

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111618\  
 Data File : VF060768.D  
 Acq On : 16 Nov 2018 16:59  
 Operator : VA/AP  
 Sample : J5915-01RE  
 Misc : 5.00µ/5mL/MSVOA-F/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 T-1

Quant Time: Nov 17 04:23:07 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F111318S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 14 03:11:14 2018  
 Response via : Initial Calibration

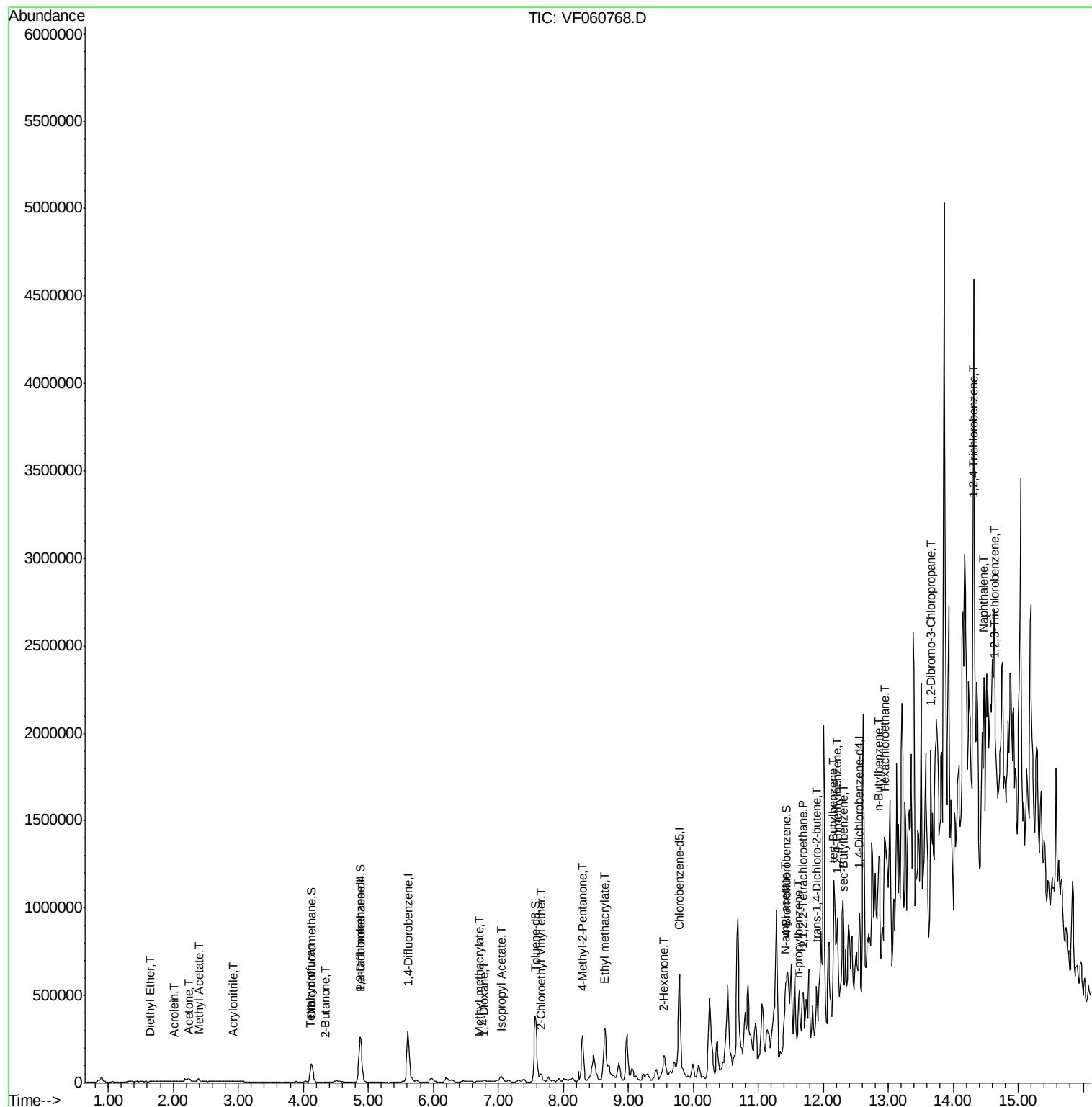
| Internal Standards             | R.T.   | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|--------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 4.88   | 168  | 207625   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 5.61   | 114  | 337426   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 9.79   | 117  | 290637   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 12.56  | 152  | 130943   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |        |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 4.87   | 65   | 90779    | 38.33     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 76.66%  |          |
| 35) Dibromofluoromethane       | 4.13   | 113  | 103992   | 41.00     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 82.00%  |          |
| 50) Toluene-d8                 | 7.57   | 98   | 273021   | 41.31     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 82.62%  |          |
| 62) 4-Bromofluorobenzene       | 11.42  | 95   | 158277   | 52.97     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 105.94% |          |
| Target Compounds               |        |      |          |           |         |          |
|                                |        |      |          |           | Qvalue  |          |
| 8) Diethyl Ether               | 1.65   | 74   | 616      | 1.055     | ug/l    | 98       |
| 13) Acrolein                   | 2.01   | 56   | 903      | 9.163     | ug/l #  | 80       |
| 15) Acrylonitrile              | 2.92   | 53   | 626      | 2.726     | ug/l #  | 15       |
| 16) Acetone                    | 2.25   | 43   | 15380    | 30.384    | ug/l #  | 90       |
| 18) Methyl Acetate             | 2.39   | 43   | 6822     | 8.208     | ug/l #  | 64       |
| 25) 2-Butanone                 | 4.34   | 43   | 4448     | 5.342     | ug/l #  | 88       |
| 29) Tetrahydrofuran            | 4.10   | 42   | 994      | 2.894     | ug/l #  | 76       |
| 41) Methacrylonitrile          | 4.80   | 41   | 246      | Below Cal | #       | 67       |
| 43) Isopropyl Acetate          | 7.05   | 43   | 2496     | 1.294     | ug/l #  | 48       |
| 48) Methyl methacrylate        | 6.70   | 41   | 3474     | 2.721     | ug/l #  | 76       |
| 49) 1,4-Dioxane                | 6.78   | 88   | 60       | 5.025     | ug/l #  | 1        |
| 51) 4-Methyl-2-Pentanone       | 8.30   | 43   | 161579   | 115.815   | ug/l #  | 44       |
| 56) Ethyl methacrylate         | 8.63   | 69   | 152352   | 80.317    | ug/l #  | 79       |
| 58) 2-Chloroethyl Vinyl ether  | 7.66   | 63   | 624      | 3.601     | ug/l    | 100      |
| 59) 2-Hexanone                 | 9.54   | 43   | 19773    | 20.167    | ug/l #  | 44       |
| 74) N-amyl acetate             | 11.41  | 43   | 33567    | 13.990    | ug/l #  | 35       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.68  | 83   | 52336    | 30.034    | ug/l #  | 35       |
| 78) n-propylbenzene            | 11.60  | 91   | 20820    | 1.694     | ug/l    | 94       |
| 81) trans-1,4-Dichloro-2-buten | 11.89  | 75   | 652      | 1.025     | ug/l #  | 1        |
| 83) tert-Butylbenzene          | 12.14  | 119  | 9997     | 1.125     | ug/l #  | 43       |
| 84) 1,2,4-Trimethylbenzene     | 12.21  | 105  | 18013    | 2.081     | ug/l    | 92       |
| 85) sec-Butylbenzene           | 12.32  | 105  | 105116   | 8.722     | ug/l    | 80       |
| 89) n-Butylbenzene             | 12.86  | 91   | 29240    | 2.846     | ug/l    | 83       |
| 90) Hexachloroethane           | 12.93  | 117  | 4397     | 1.786     | ug/l #  | 21       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.65  | 75   | 4608     | 14.069    | ug/l #  | 17       |
| 93) 1,2,4-Trichlorobenzene     | 14.30  | 180  | 19263    | 6.519     | ug/l #  | 1        |
| 95) Naphthalene                | 14.47  | 128  | 36818    | 6.829     | ug/l #  | 1        |
| 96) 1,2,3-Trichlorobenzene     | 14.65  | 180  | 27473    | 10.062    | ug/l #  | 20       |

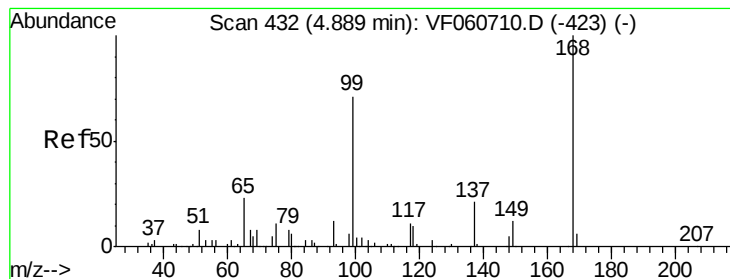
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF111618\  
Data File : VF060768.D  
Acq On : 16 Nov 2018 16:59  
Operator : VA/AP  
Sample : J5915-01RE  
Misc : 5.00µ/5mL/MSVOA-F/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
T-1

Quant Time: Nov 17 04:23:07 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F111318S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 14 03:11:14 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.00 min

Lab File: VF060768.D

Acq: 16 Nov 2018 16:59

Instrument :

MSVOA\_F

ClientSampled :

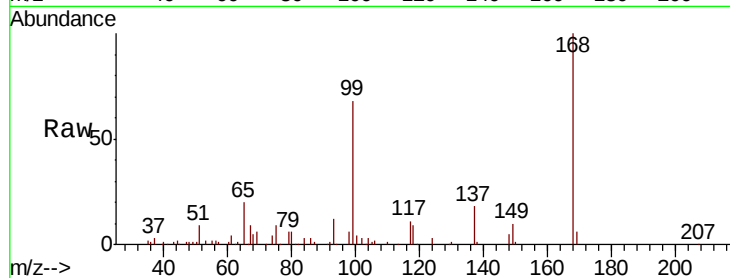
T-1

Tot Ion:168 Resp: 207625

Ion Ratio Lower Upper

168 100

99 67.9 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

80000

60000

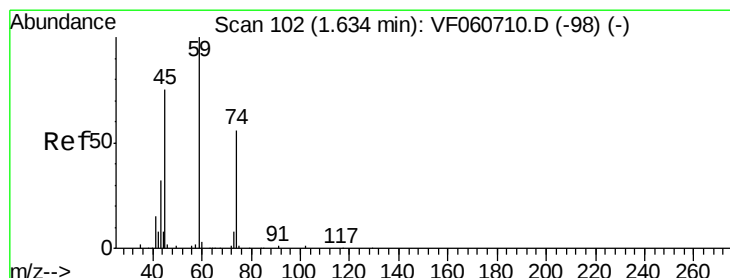
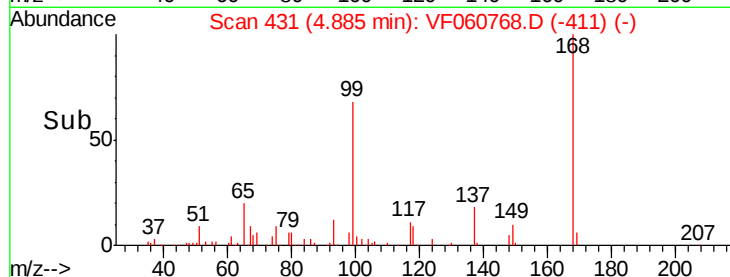
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#8

Diethyl Ether

Concen: 1.055 ug/l

RT: 1.65 min Scan# 103

Delta R.T. 0.02 min

Lab File: VF060768.D

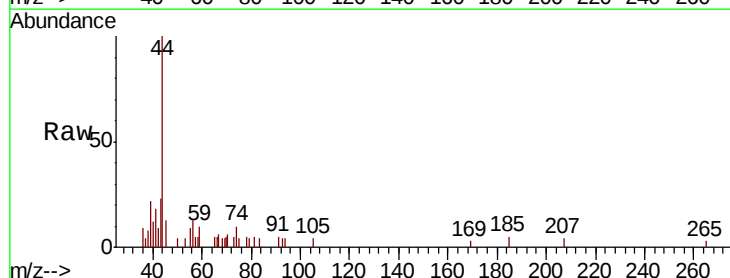
Acq: 16 Nov 2018 16:59

Tgt Ion: 74 Resp: 616

Ion Ratio Lower Upper

74 100

45 137.5 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

800

600

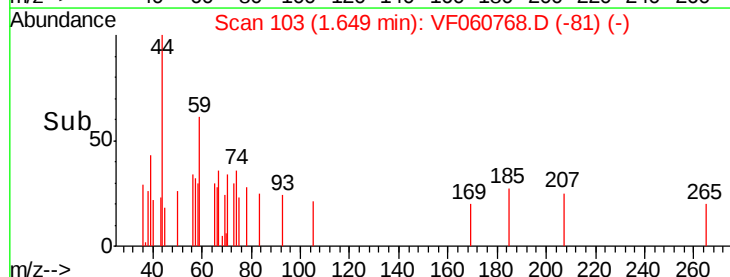
400

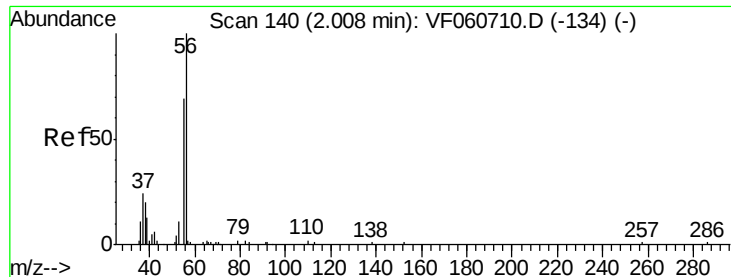
200

0

Time-->

1.60 1.65 1.70





#13

Acrolein

Concen: 9.163 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF060768.D

Acq: 16 Nov 2018 16:59

Instrument :

MSVOA\_F

ClientSampled :

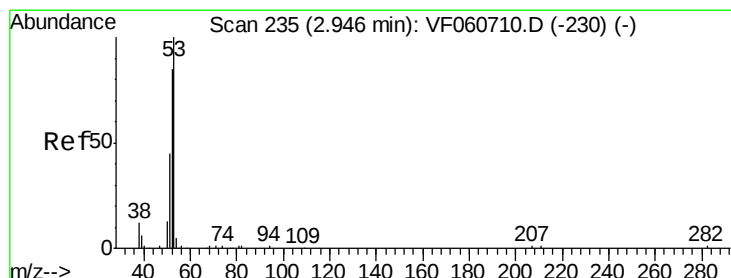
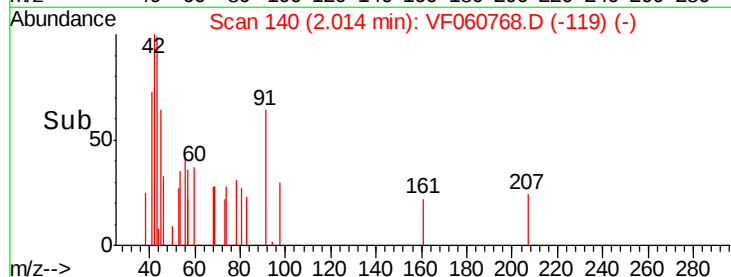
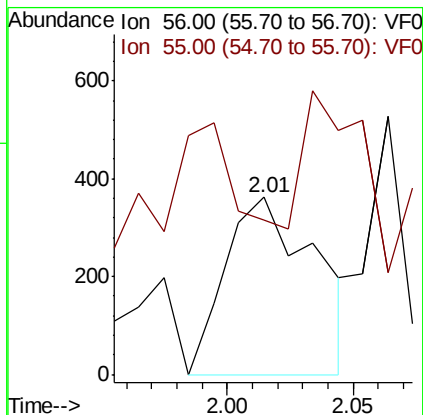
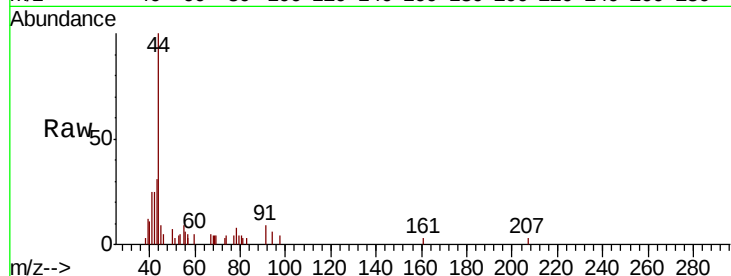
T-1

Tot Ion: 56 Resp: 903

Ion Ratio Lower Upper

56 100

55 87.0 56.6 85.0#



#15

Acrylonitrile

Concen: 2.726 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.02 min

Lab File: VF060768.D

Acq: 16 Nov 2018 16:59

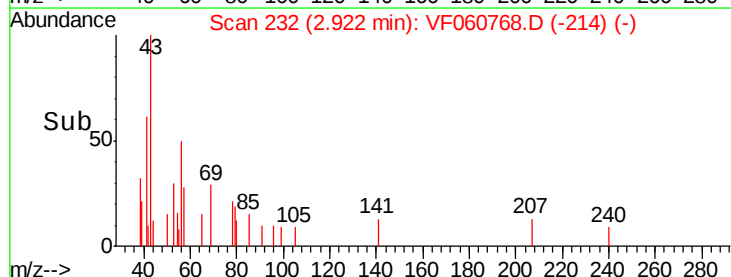
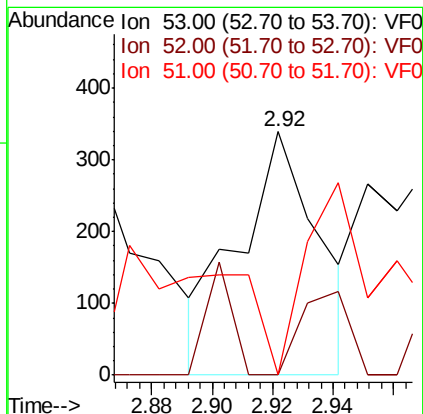
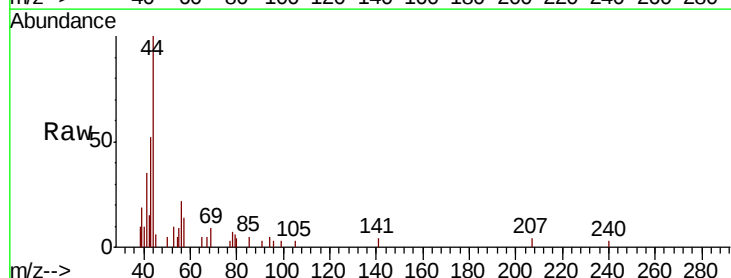
Tgt Ion: 53 Resp: 626

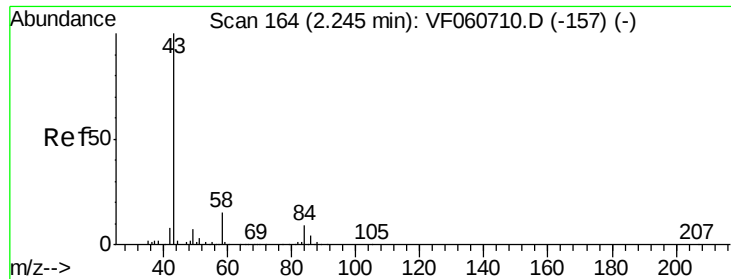
Ion Ratio Lower Upper

53 100

52 0.0 68.8 103.2#

51 0.0 36.7 55.1#

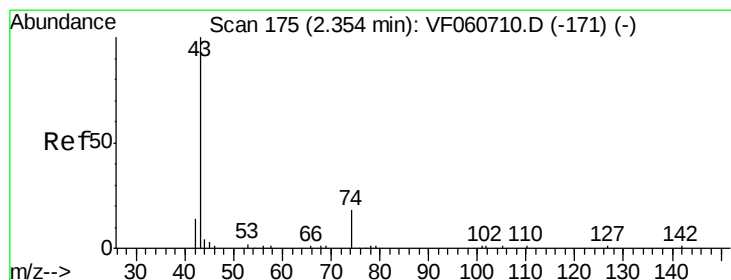
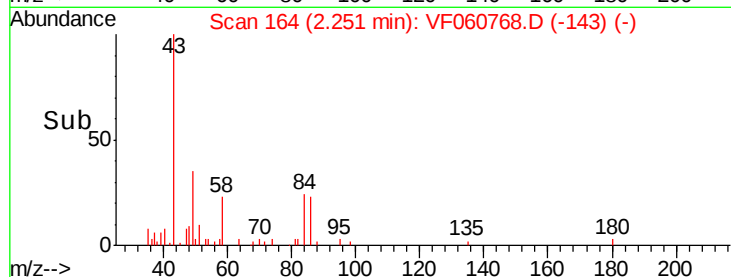
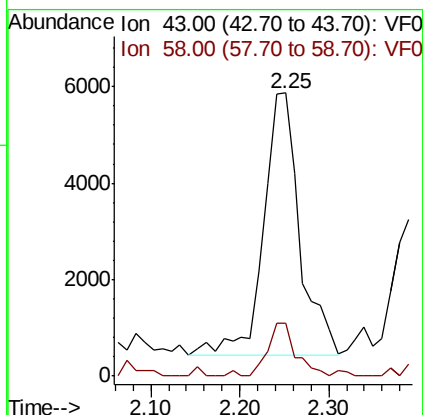
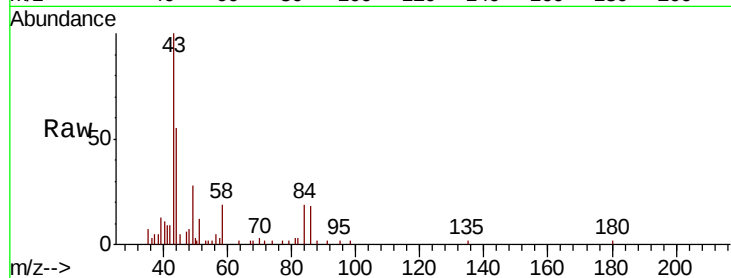




#16  
Acetone  
Concen: 30.384 ug/l  
RT: 2.25 min Scan# 164  
Delta R.T. 0.01 min  
Lab File: VF060768.D  
Acq: 16 Nov 2018 16:59

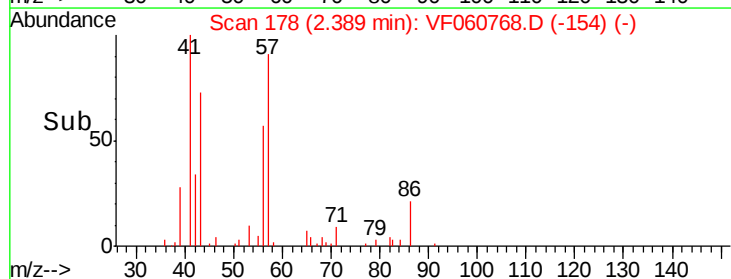
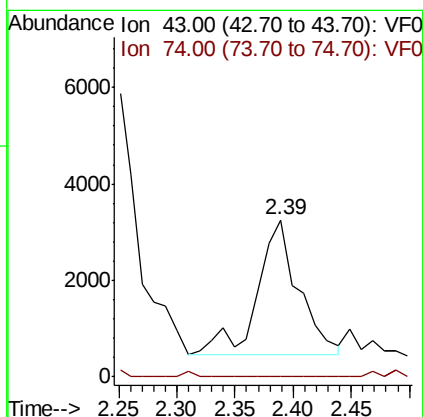
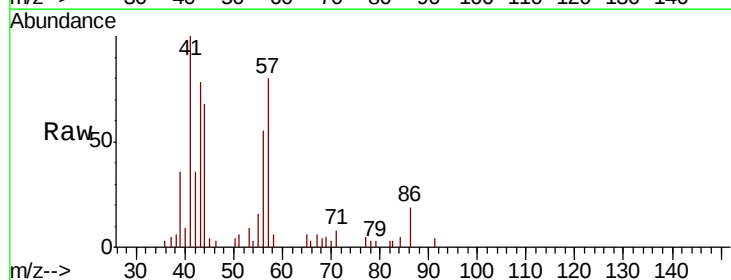
Instrument :  
MSVOA\_F  
ClientSampleId :  
T-1

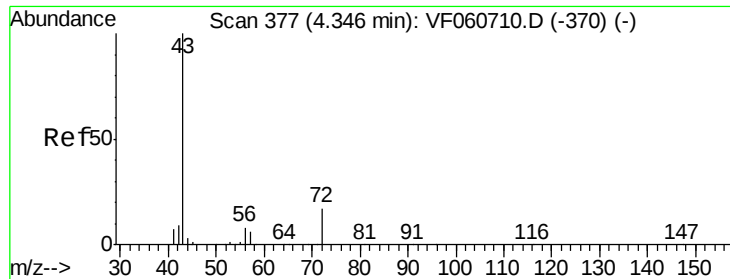
Tot Ion: 43 Resp: 15380  
Ion Ratio Lower Upper  
43 100  
58 18.6 11.6 17.4#



#18  
Methyl Acetate  
Concen: 8.208 ug/l  
RT: 2.39 min Scan# 178  
Delta R.T. 0.04 min  
Lab File: VF060768.D  
Acq: 16 Nov 2018 16:59

Tgt Ion: 43 Resp: 6822  
Ion Ratio Lower Upper  
43 100  
74 0.0 11.8 17.8#





#25

2-Butanone

Concen: 5.342 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.00 min

Lab File: VF060768.D

Acq: 16 Nov 2018 16:59

Instrument :

MSVOA\_F

ClientSampled :

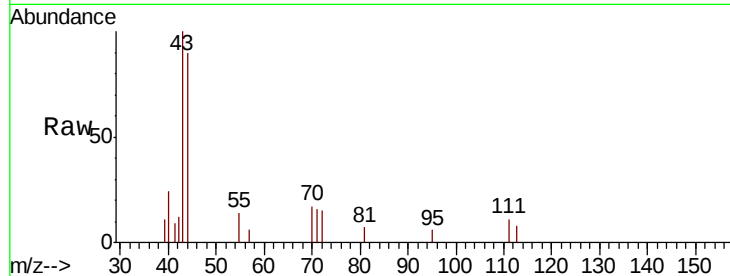
T-1

Tot Ion: 43 Resp: 4448

Ion Ratio Lower Upper

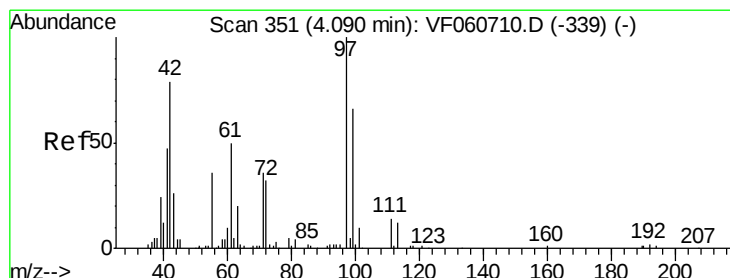
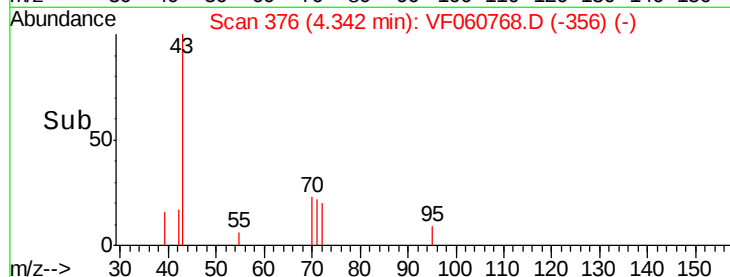
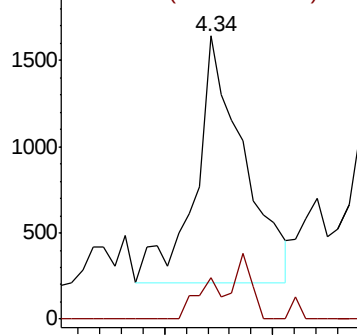
43 100

72 14.6 16.1 24.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#29

Tetrahydrofuran

Concen: 2.894 ug/l

RT: 4.10 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF060768.D

Acq: 16 Nov 2018 16:59

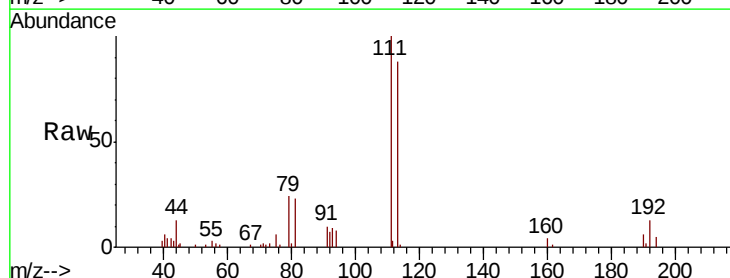
Tgt Ion: 42 Resp: 994

Ion Ratio Lower Upper

42 100

72 22.1 30.3 45.5#

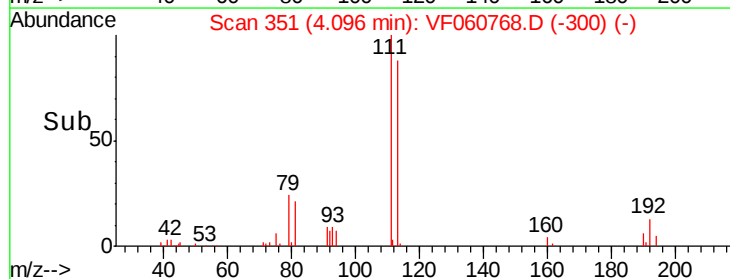
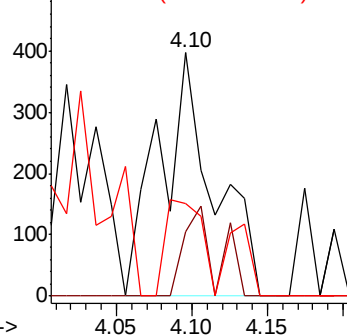
71 26.1 32.2 48.2#

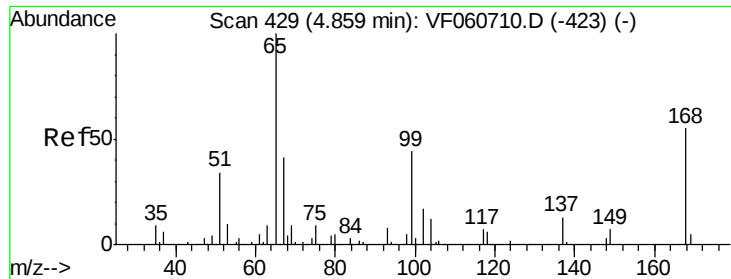


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

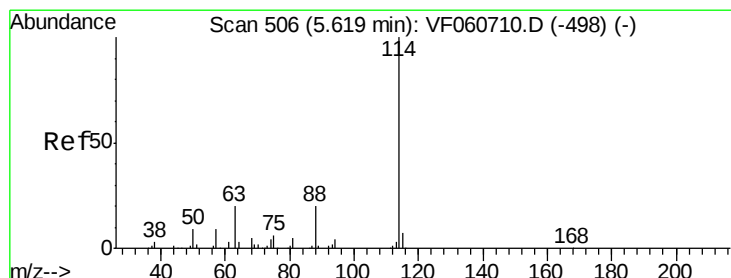
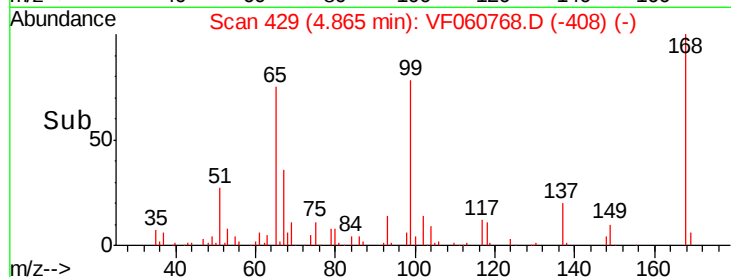
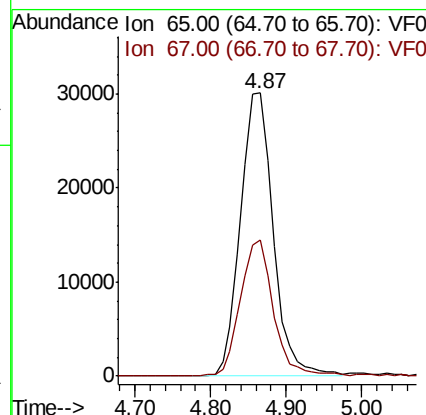
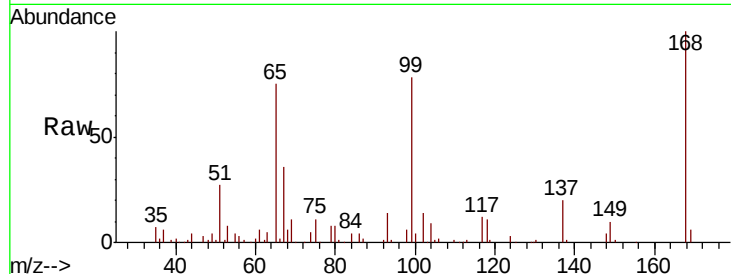




#33  
 1,2-Dichloroethane-d4  
 Concen: 38.332 ug/l  
 RT: 4.87 min Scan# 429  
 Delta R.T. 0.01 min  
 Lab File: VF060768.D  
 Acq: 16 Nov 2018 16:59

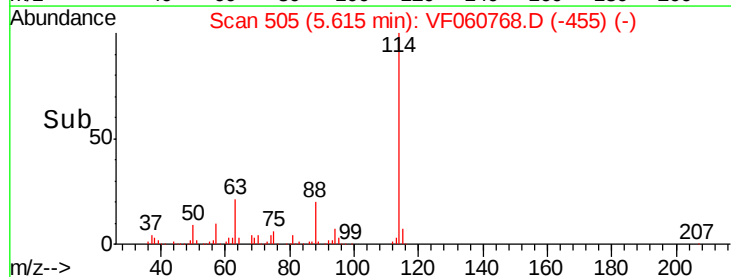
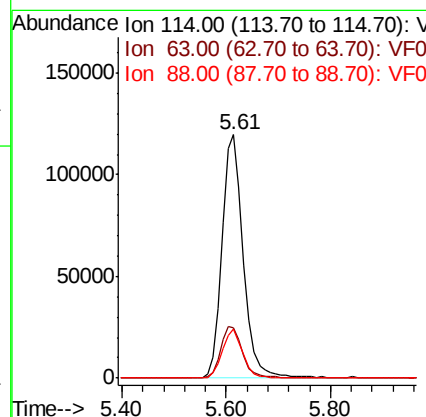
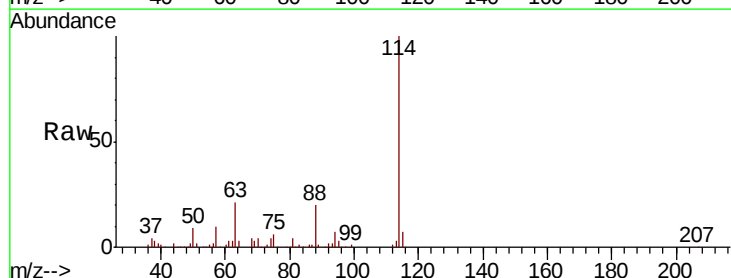
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 T-1

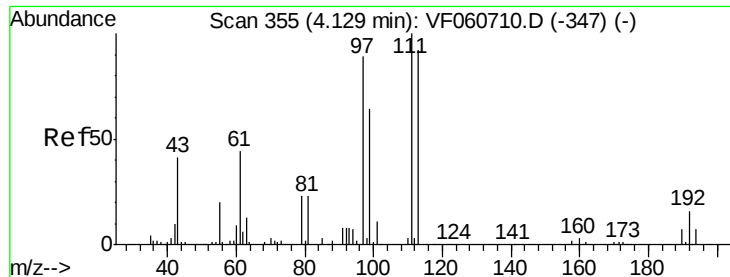
Tot Ion: 65 Resp: 90779  
 Ion Ratio Lower Upper  
 65 100  
 67 48.0 0.0 90.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.61 min Scan# 505  
 Delta R.T. -0.00 min  
 Lab File: VF060768.D  
 Acq: 16 Nov 2018 16:59

Tgt Ion: 114 Resp: 337426  
 Ion Ratio Lower Upper  
 114 100  
 63 20.9 0.0 40.8  
 88 20.1 0.0 39.6





#35

Dibromofluoromethane

Concen: 41.000 ug/l

RT: 4.13 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF060768.D

Acq: 16 Nov 2018 16:59

Instrument :

MSVOA\_F

ClientSampleId :

T-1

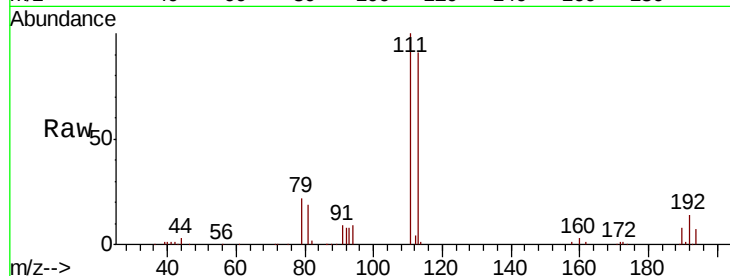
Tot Ion:113 Resp: 103992

Ion Ratio Lower Upper

113 100

111 109.6 87.1 130.7

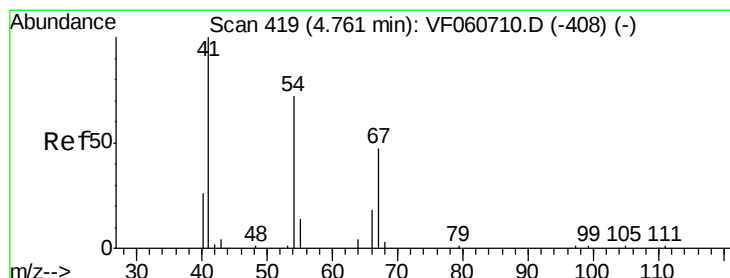
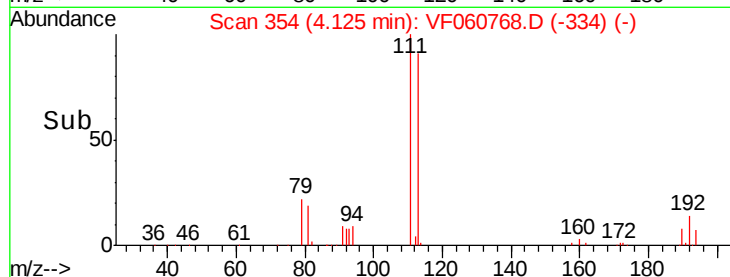
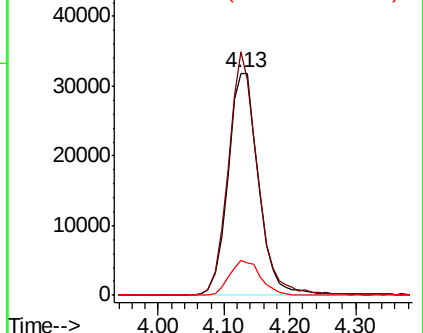
192 16.0 13.8 20.6



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



#41

Methacrylonitrile

Concen: Below Cal

RT: 4.80 min Scan# 422

Delta R.T. 0.04 min

Lab File: VF060768.D

Acq: 16 Nov 2018 16:59

Tgt Ion: 41 Resp: 246

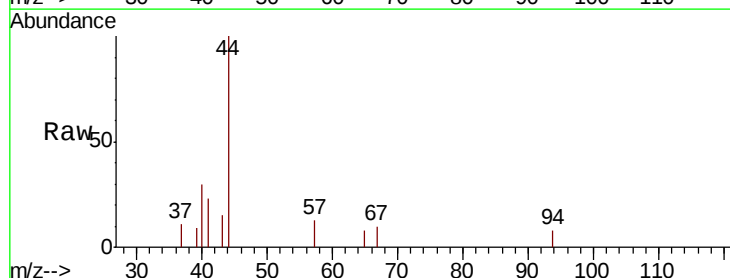
Ion Ratio Lower Upper

41 100

39 40.9 47.1 70.7#

67 45.4 37.1 55.7

52 0.0 39.3 58.9#

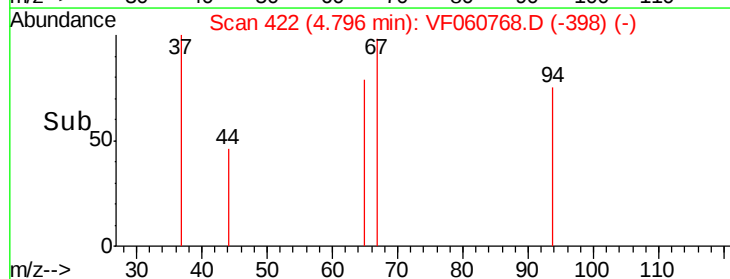
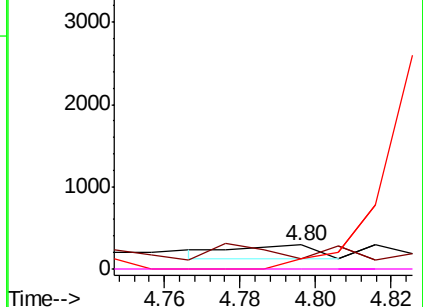


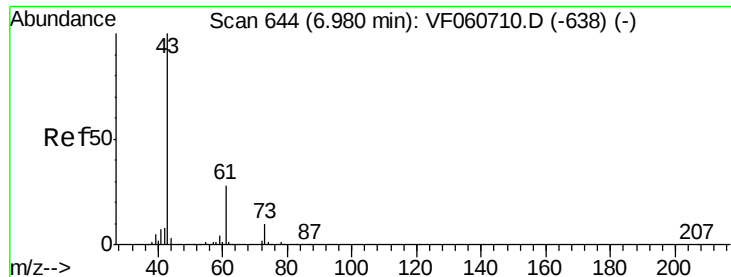
Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 1.294 ug/l

RT: 7.05 min Scan# 650

Delta R.T. 0.07 min

Lab File: VF060768.D

Acq: 16 Nov 2018 16:59

Instrument :

MSVOA\_F

ClientSampled :

T-1

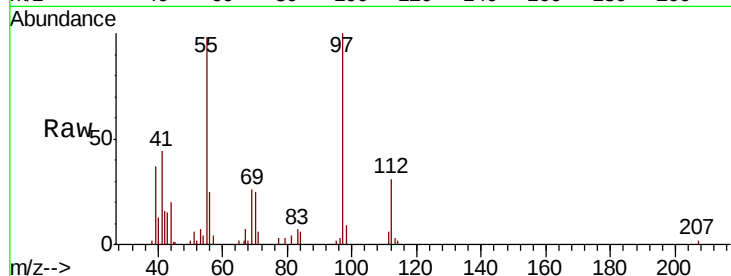
Tot Ion: 43 Resp: 2496

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

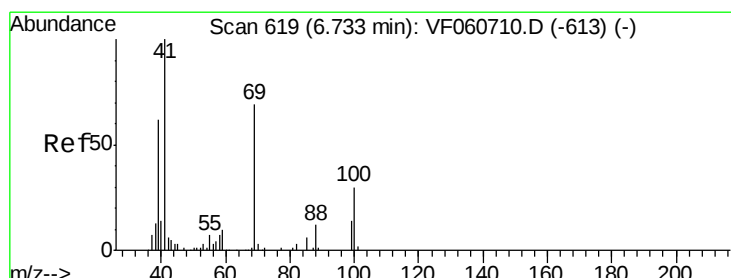
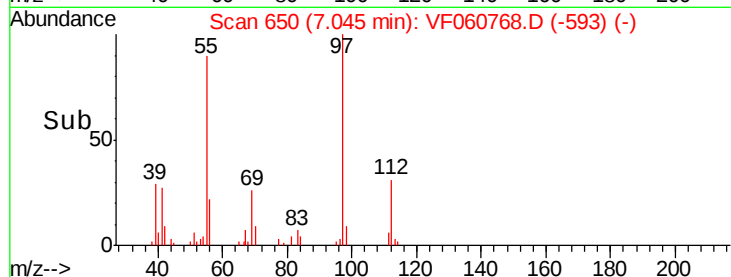
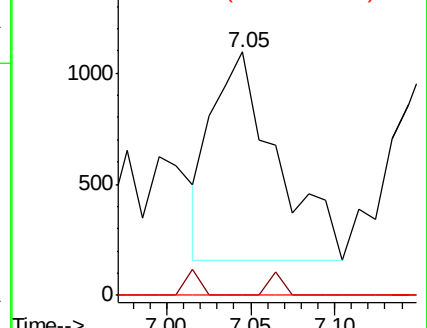
87 0.0 0.4 0.6#



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



#48

Methyl methacrylate

Concen: 2.721 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.03 min

Lab File: VF060768.D

Acq: 16 Nov 2018 16:59

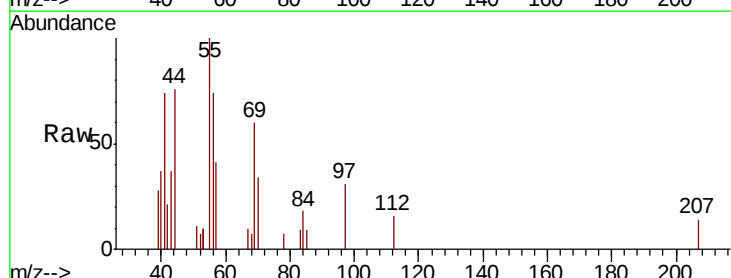
Tgt Ion: 41 Resp: 3474

Ion Ratio Lower Upper

41 100

69 81.5 54.9 82.3

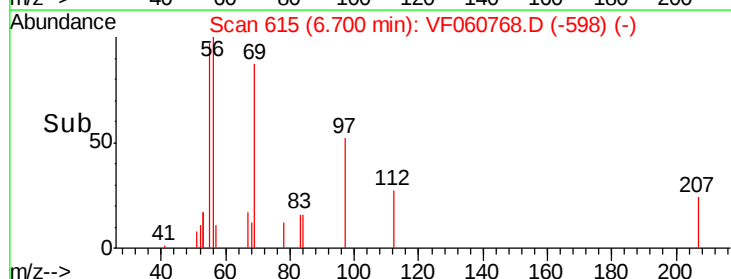
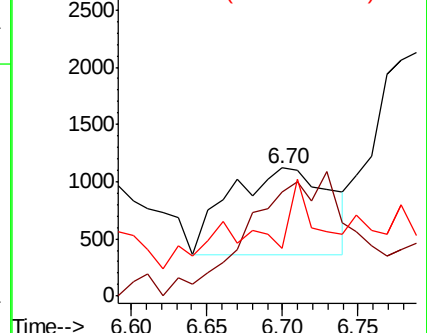
39 37.4 49.6 74.4#

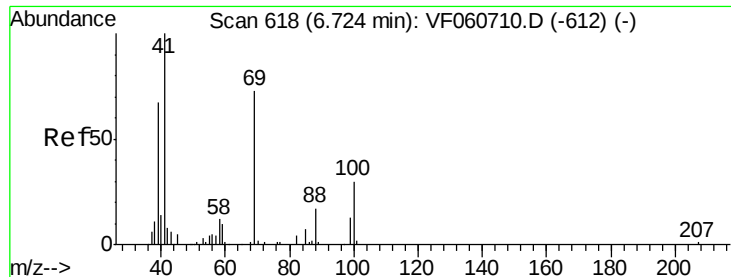


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 5.025 ug/l

RT: 6.78 min Scan# 623

Delta R.T. 0.06 min

Lab File: VF060768.D

Acq: 16 Nov 2018 16:59

Instrument :

MSVOA\_F

ClientSampleId :

T-1

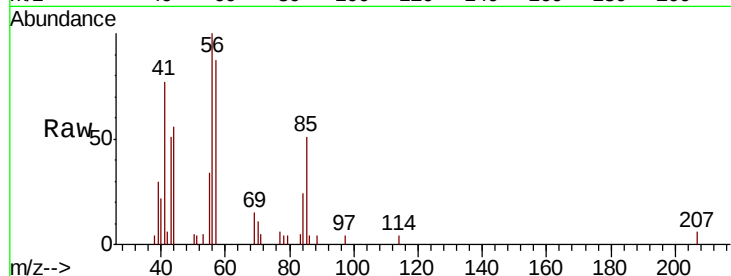
Tot Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 1352.0 44.6 66.8#

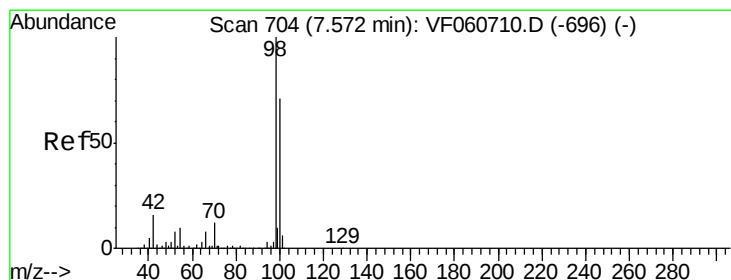
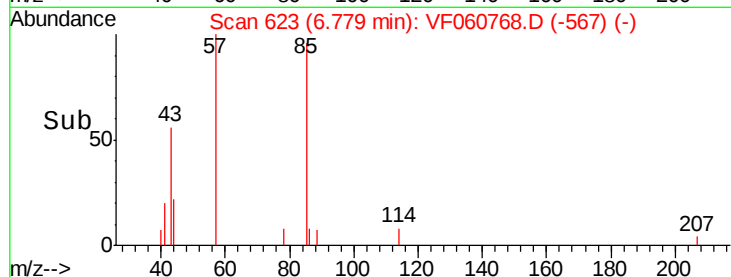
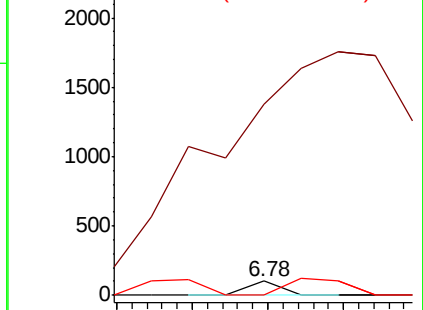
58 0.0 54.5 81.7#



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: 41.308 ug/l

RT: 7.57 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF060768.D

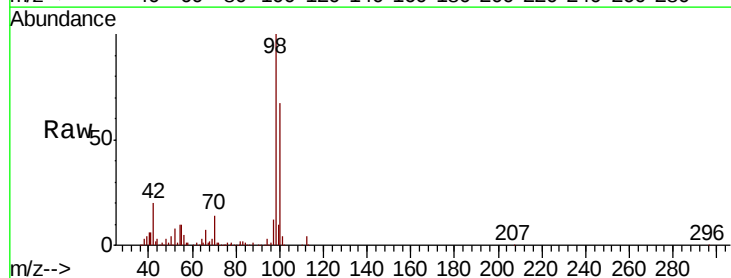
Acq: 16 Nov 2018 16:59

Tgt Ion: 98 Resp: 273021

Ion Ratio Lower Upper

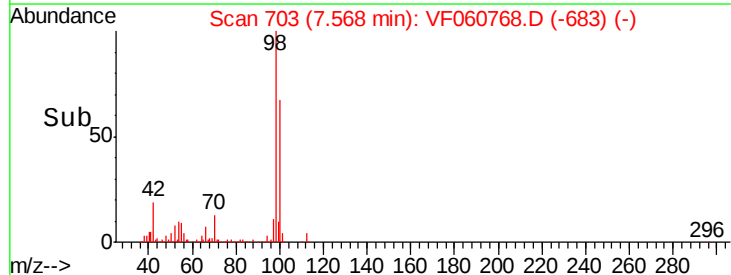
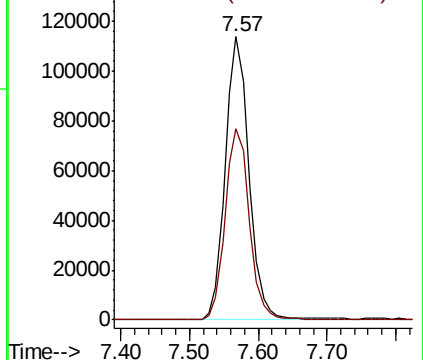
98 100

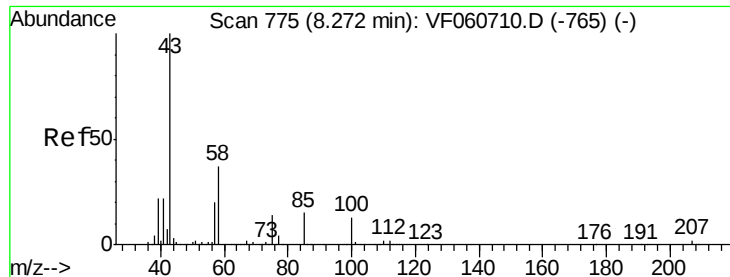
100 67.4 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 115.815 ug/l

RT: 8.30 min Scan# 777

Delta R.T. 0.03 min

Lab File: VF060768.D

Acq: 16 Nov 2018 16:59

Instrument :

MSVOA\_F

ClientSampleId :

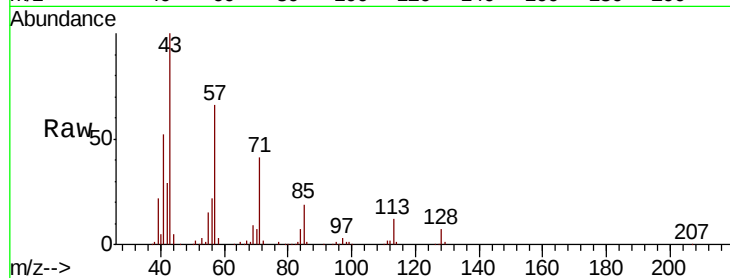
T-1

Tot Ion: 43 Resp: 161579

Ion Ratio Lower Upper

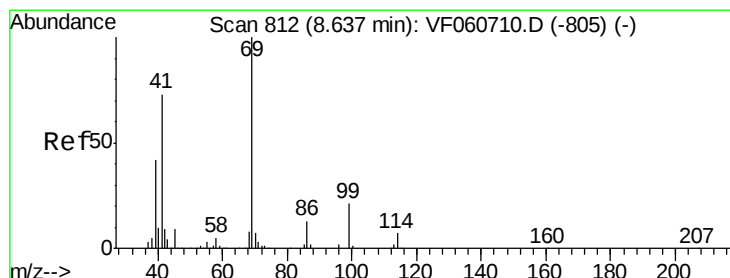
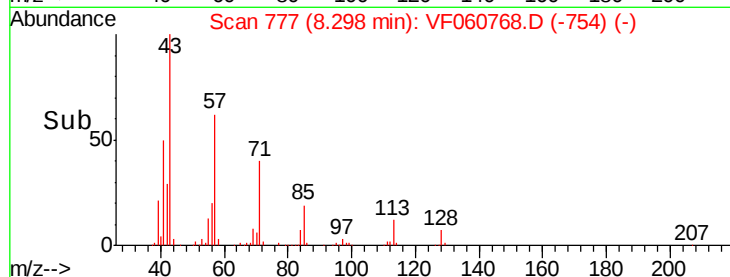
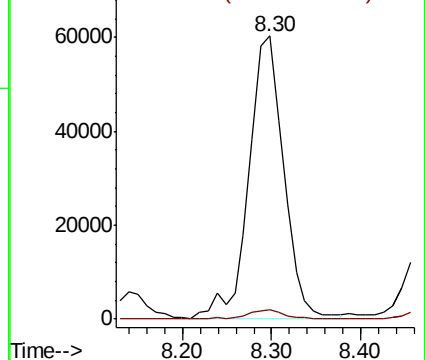
43 100

58 3.2 29.2 43.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#56

Ethyl methacrylate

Concen: 80.317 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.00 min

Lab File: VF060768.D

Acq: 16 Nov 2018 16:59

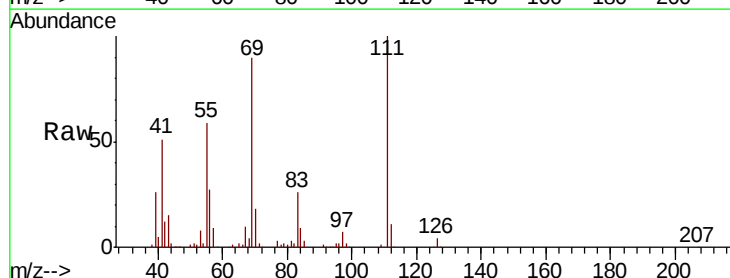
Tgt Ion: 69 Resp: 152352

Ion Ratio Lower Upper

69 100

41 56.4 59.0 88.6#

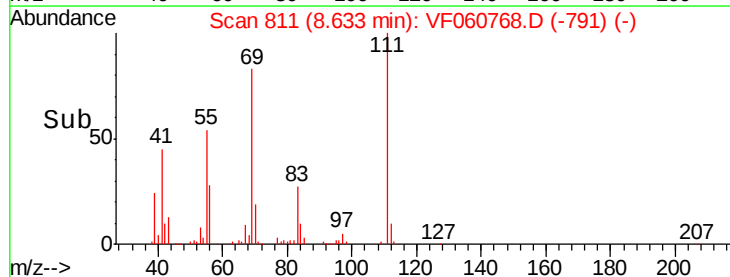
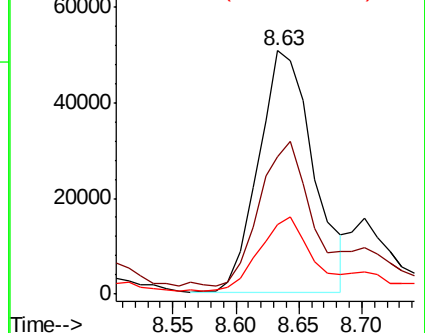
39 28.6 34.0 51.0#

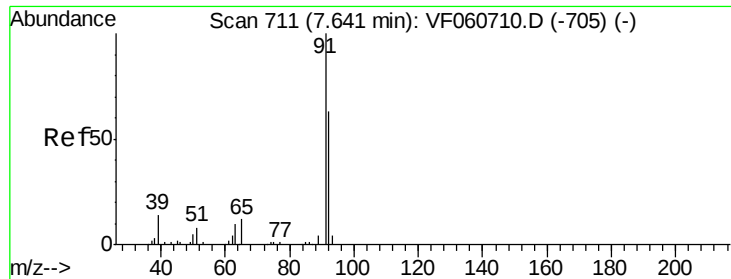


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

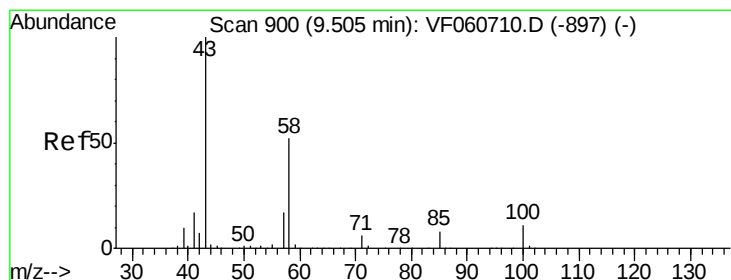
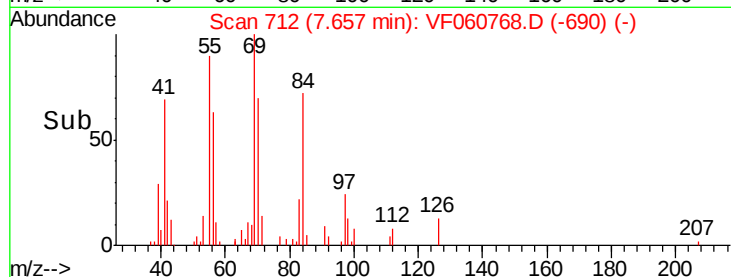
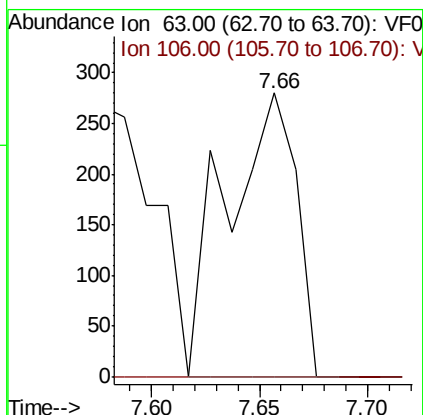
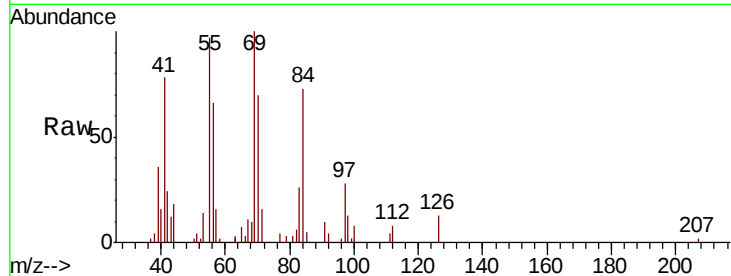




#58  
 2-Chloroethyl Vinyl ether  
 Concen: 3.601 ug/l  
 RT: 7.66 min Scan# 712  
 Delta R.T. 0.02 min  
 Lab File: VF060768.D  
 Acq: 16 Nov 2018 16:59

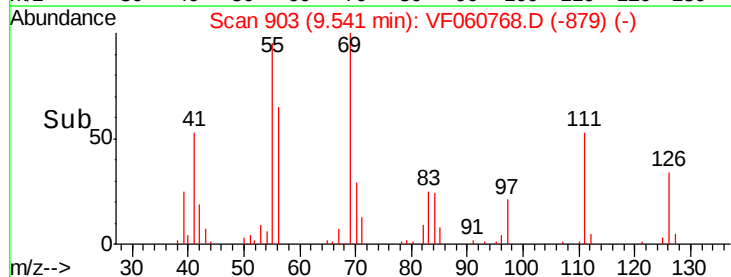
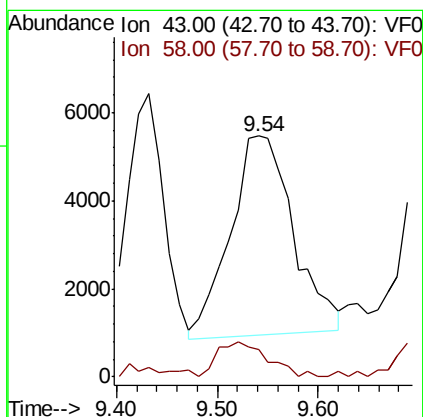
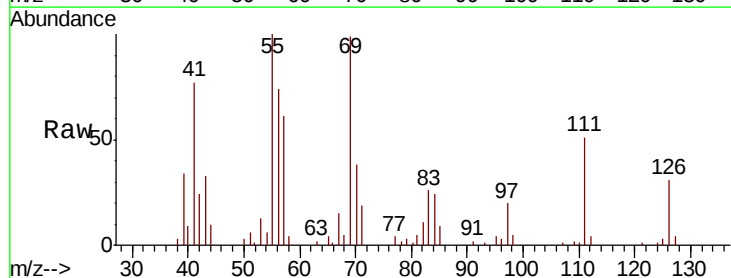
Instrument :  
 MSVOA\_F  
 ClientSampled :  
 T-1

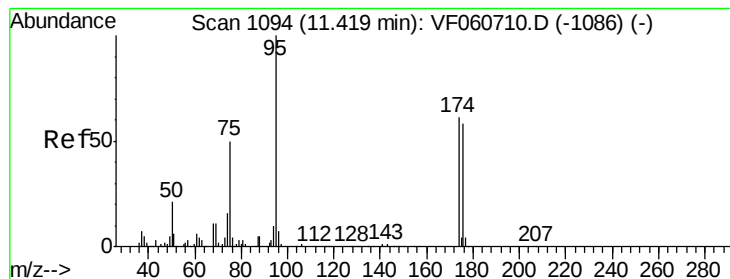
Tot Ion: 63 Resp: 624  
 Ion Ratio Lower Upper  
 63 100  
 106 0.0 0.0 0.0



#59  
 2-Hexanone  
 Concen: 20.167 ug/l  
 RT: 9.54 min Scan# 903  
 Delta R.T. 0.04 min  
 Lab File: VF060768.D  
 Acq: 16 Nov 2018 16:59

Tgt Ion: 43 Resp: 19773  
 Ion Ratio Lower Upper  
 43 100  
 58 11.5 24.9 74.7#





#62

4-Bromofluorobenzene

Concen: 52.972 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF060768.D

Acq: 16 Nov 2018 16:59

Instrument :

MSVOA\_F

ClientSampleId :

T-1

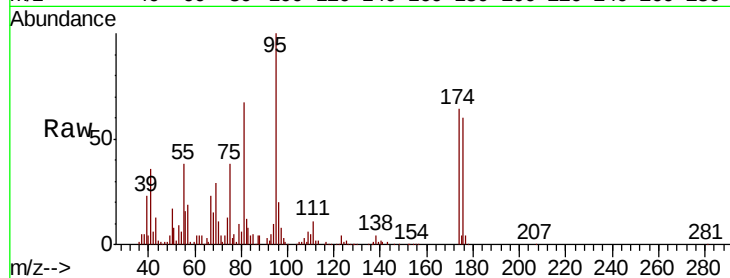
Tot Ion: 95 Resp: 158277

Ion Ratio Lower Upper

95 100

174 64.0 0.0 121.6

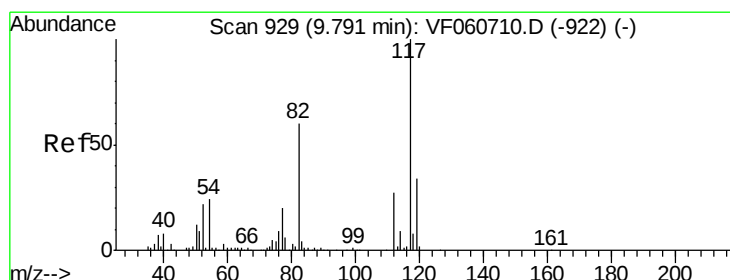
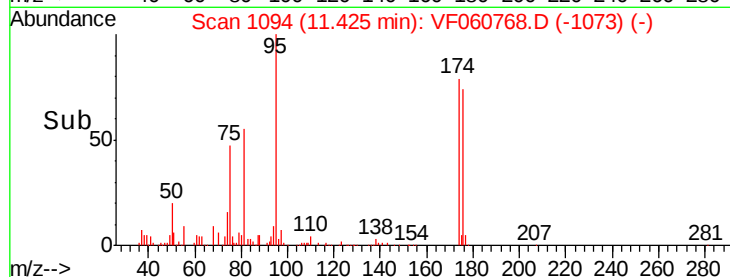
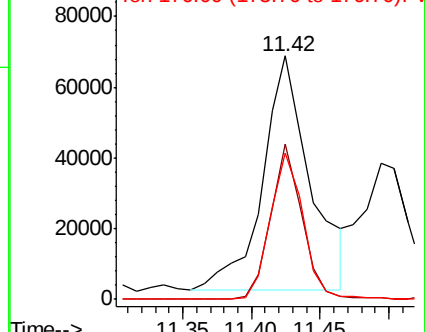
176 59.9 0.0 115.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.79 min Scan# 928

Delta R.T. -0.00 min

Lab File: VF060768.D

Acq: 16 Nov 2018 16:59

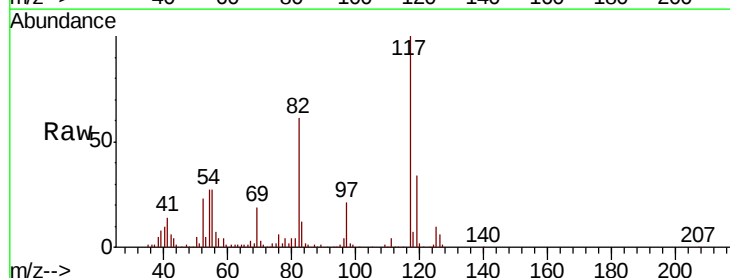
Tgt Ion: 117 Resp: 290637

Ion Ratio Lower Upper

117 100

82 60.9 47.9 71.9

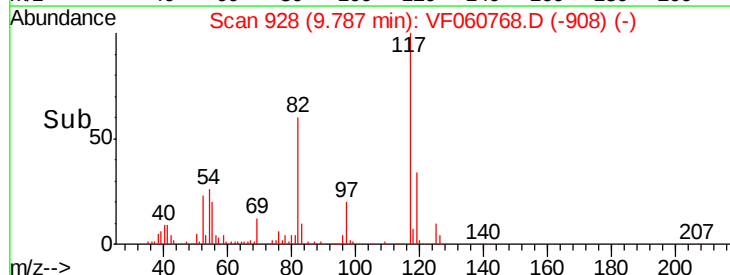
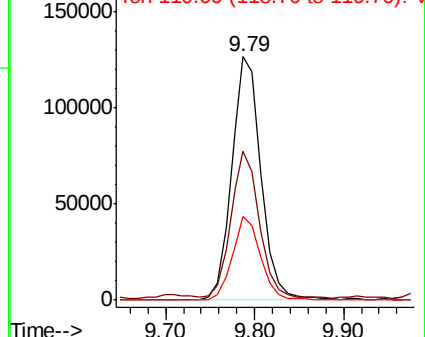
119 34.2 26.8 40.2

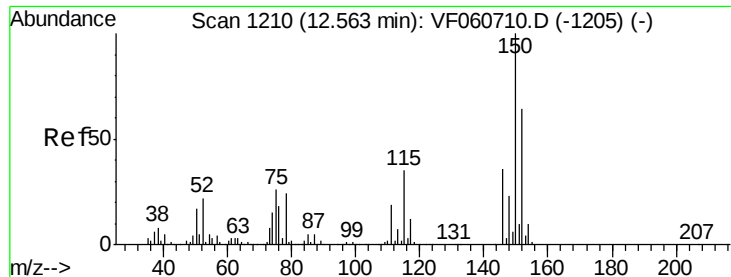


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF060768.D

Acq: 16 Nov 2018 16:59

Instrument :

MSVOA\_F

ClientSampleId :

T-1

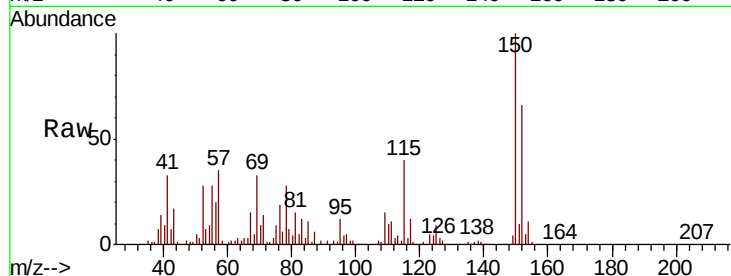
Tot Ion:152 Resp: 130943

Ion Ratio Lower Upper

152 100

115 60.4 27.9 83.7

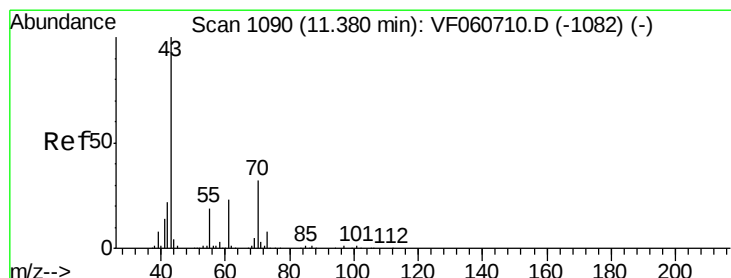
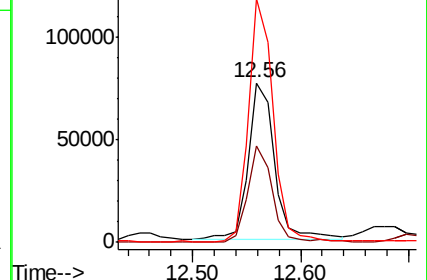
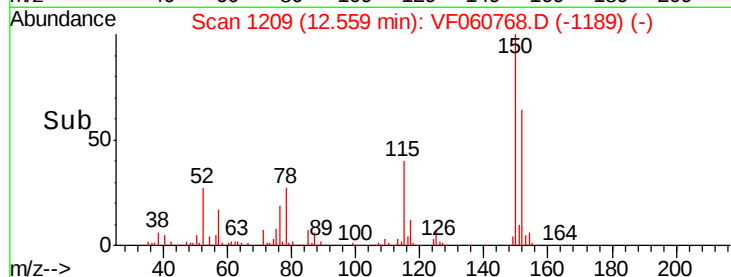
150 152.5 0.0 316.4



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#74

N-ethyl acetate

Concen: 13.990 ug/l

RT: 11.41 min Scan# 1092

Delta R.T. 0.03 min

Lab File: VF060768.D

Acq: 16 Nov 2018 16:59

Tgt Ion: 43 Resp: 33567

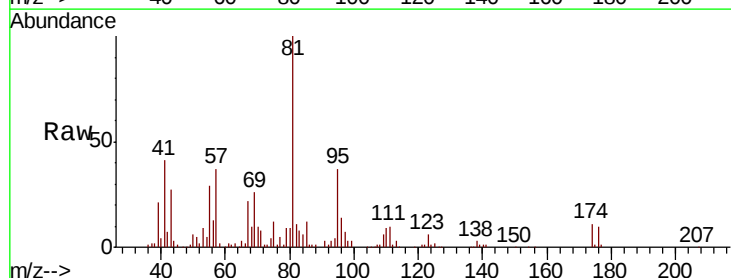
Ion Ratio Lower Upper

43 100

70 36.2 25.5 38.3

55 108.7 14.9 22.3#

61 6.0 18.6 27.8#

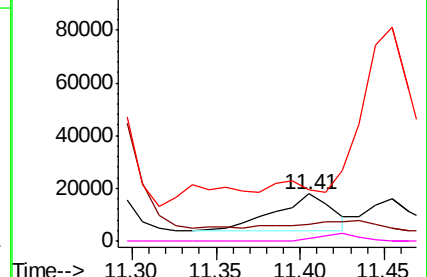
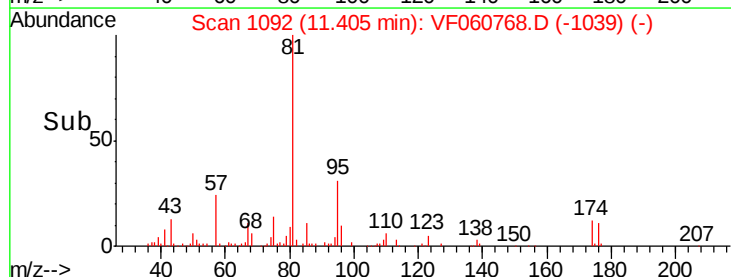


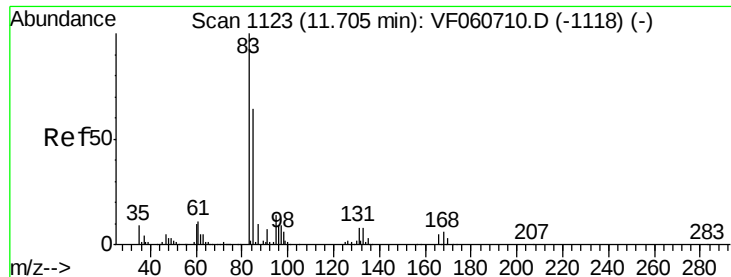
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 30.034 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF060768.D

Acq: 16 Nov 2018 16:59

Instrument :

MSVOA\_F

ClientSampleId :

T-1

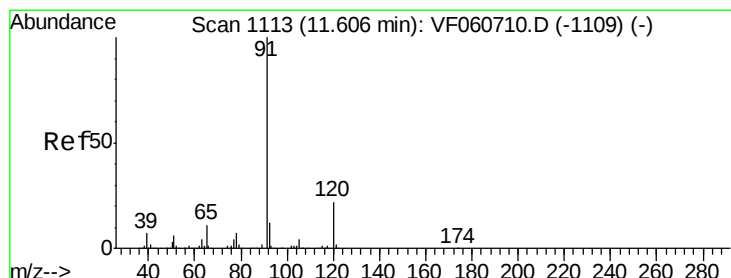
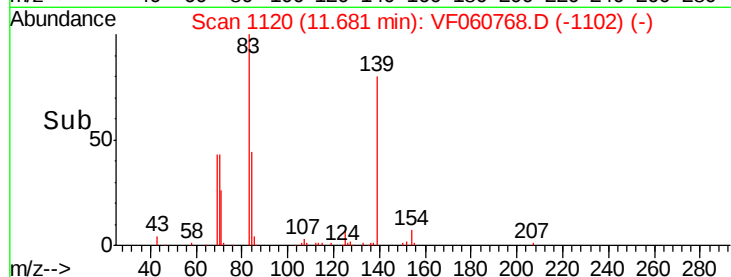
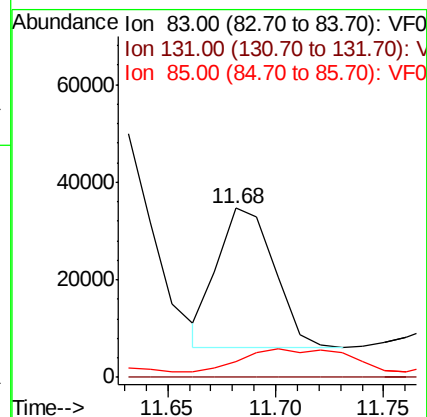
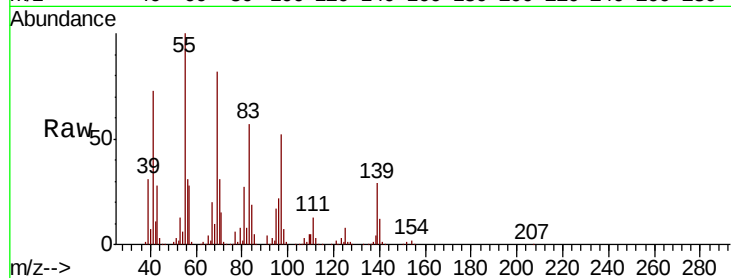
Tot Ion: 83 Resp: 52336

Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.4#

85 9.0 32.0 96.2#



#78

n-propylbenzene

Concen: 1.694 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF060768.D

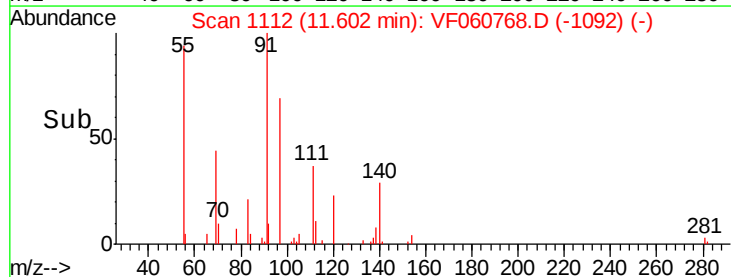
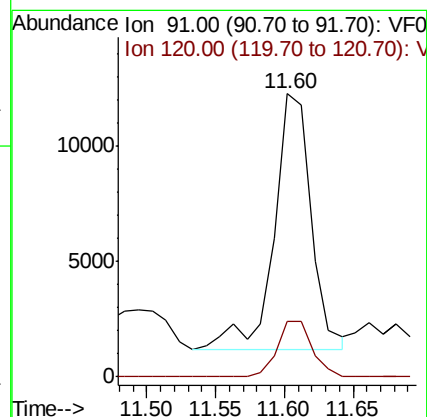
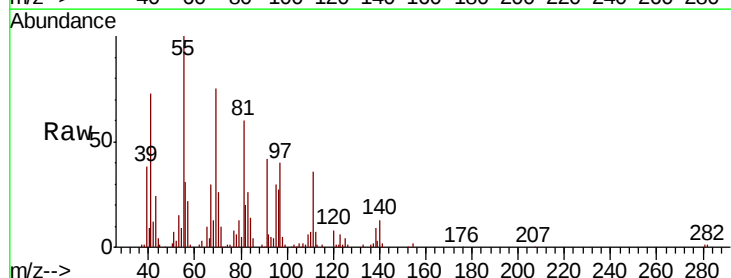
Acq: 16 Nov 2018 16:59

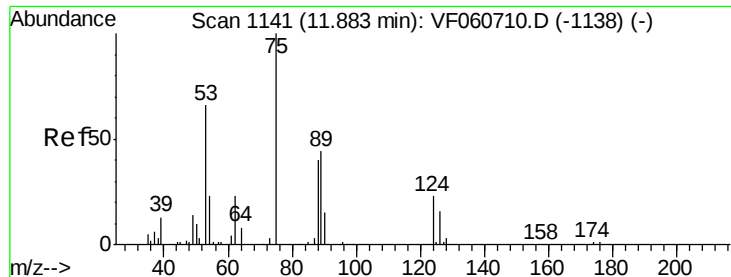
Tgt Ion: 91 Resp: 20820

Ion Ratio Lower Upper

91 100

120 19.4 11.2 33.5

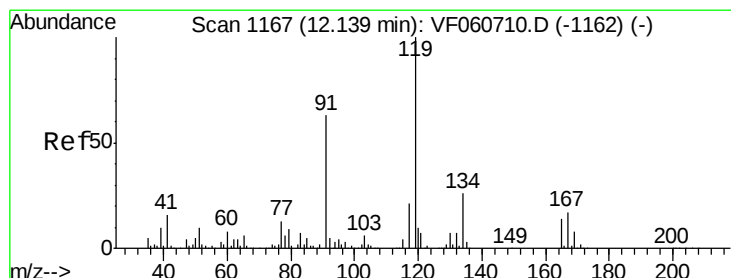
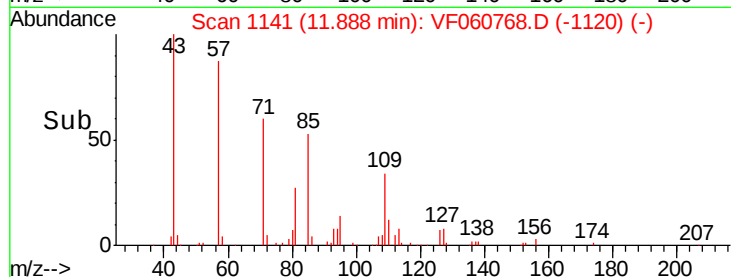
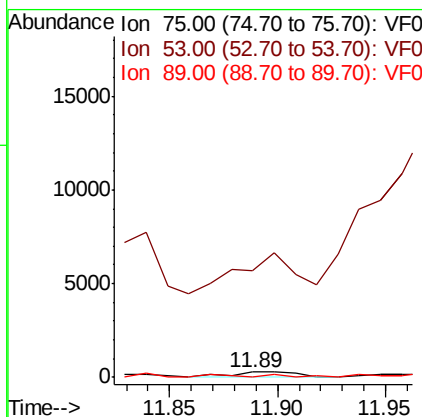
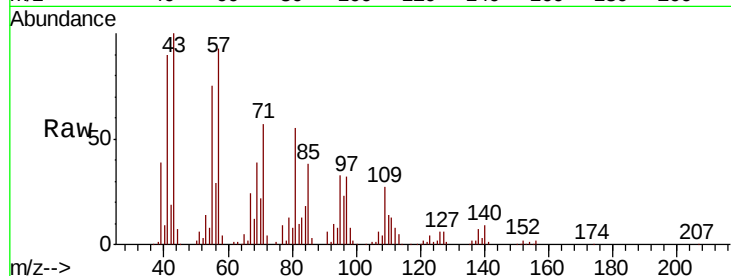




#81  
trans-1,4-Dichloro-2-butene  
Concen: 1.025 ug/l  
RT: 11.89 min Scan# 1141  
Delta R.T. 0.01 min  
Lab File: VF060768.D  
Acq: 16 Nov 2018 16:59

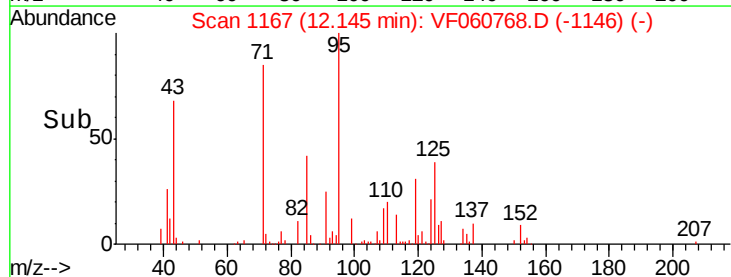
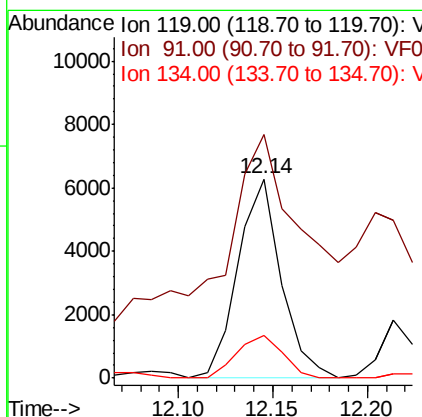
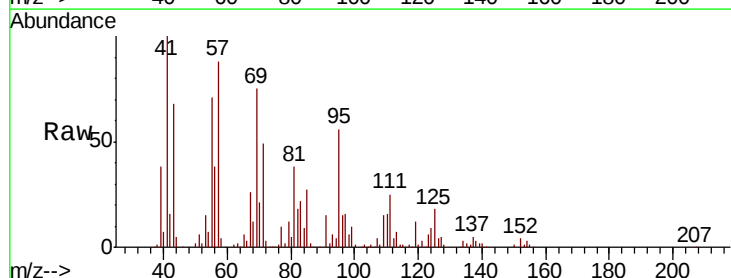
Instrument :  
MSVOA\_F  
ClientSampled :  
T-1

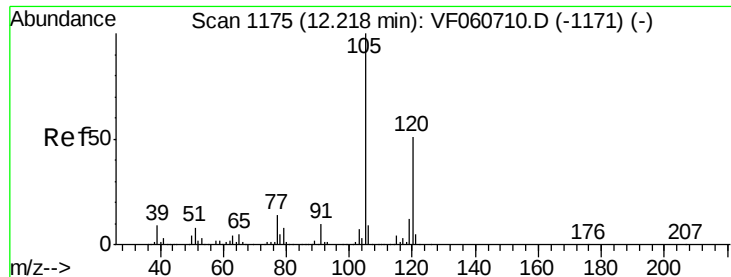
Tot Ion: 75 Resp: 652  
Ion Ratio Lower Upper  
75 100  
53 1970.7 57.0 85.4#  
89 0.0 37.8 56.8#



#83  
tert-Butylbenzene  
Concen: 1.125 ug/l  
RT: 12.14 min Scan# 1167  
Delta R.T. 0.01 min  
Lab File: VF060768.D  
Acq: 16 Nov 2018 16:59

Tgt Ion: 119 Resp: 9997  
Ion Ratio Lower Upper  
119 100  
91 122.3 31.4 94.3#  
134 21.2 12.8 38.4

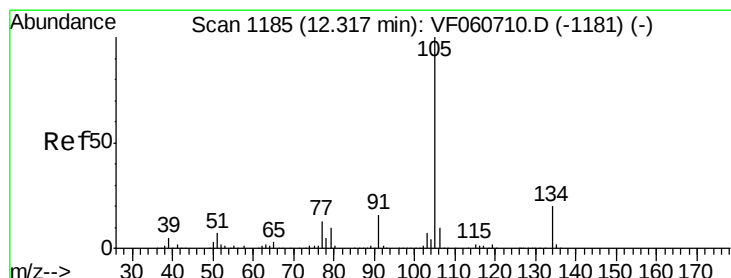
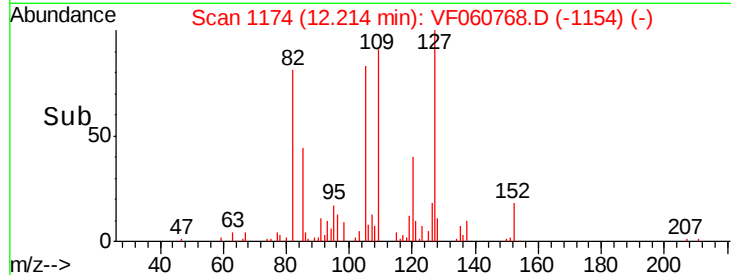
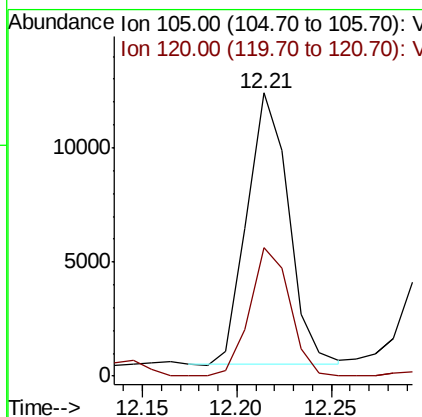
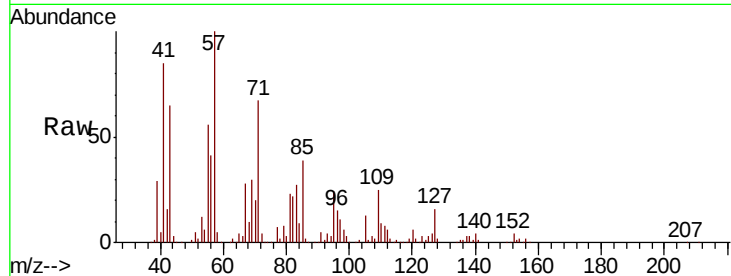




#84  
 1,2,4-Trimethylbenzene  
 Concen: 2.081 ug/l  
 RT: 12.21 min Scan# 1174  
 Delta R.T. -0.00 min  
 Lab File: VF060768.D  
 Acq: 16 Nov 2018 16:59

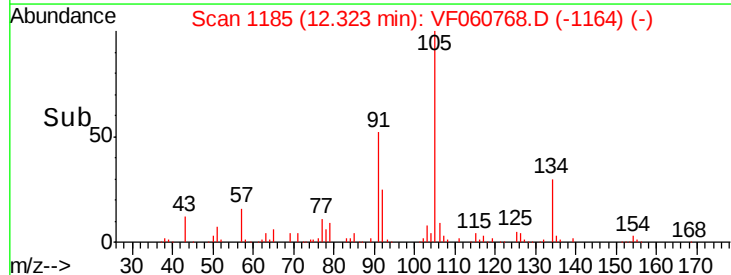
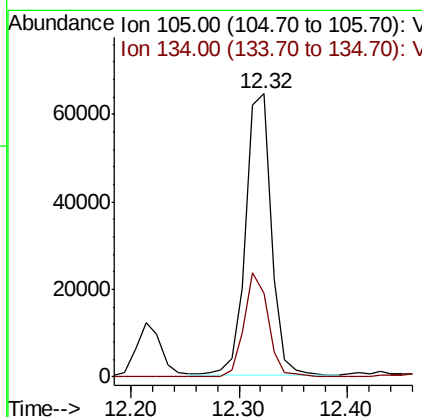
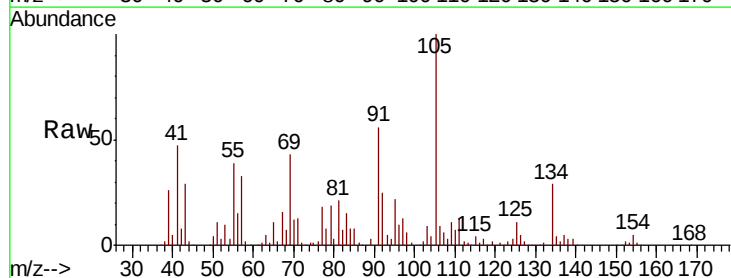
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 T-1

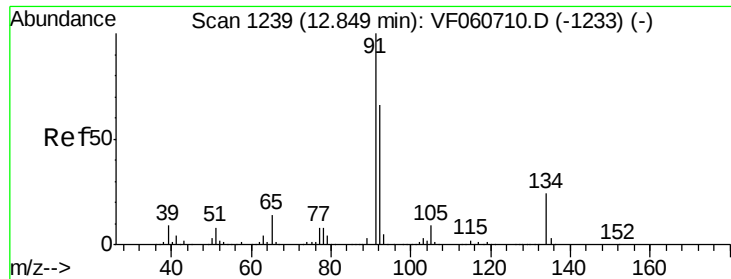
Tot Ion:105 Resp: 18013  
 Ion Ratio Lower Upper  
 105 100  
 120 45.5 25.5 76.5



#85  
 sec-Butylbenzene  
 Concen: 8.722 ug/l  
 RT: 12.32 min Scan# 1185  
 Delta R.T. 0.01 min  
 Lab File: VF060768.D  
 Acq: 16 Nov 2018 16:59

Tgt Ion:105 Resp: 105116  
 Ion Ratio Lower Upper  
 105 100  
 134 29.4 10.1 30.3

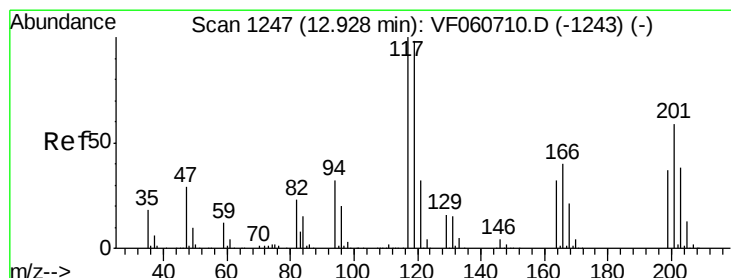
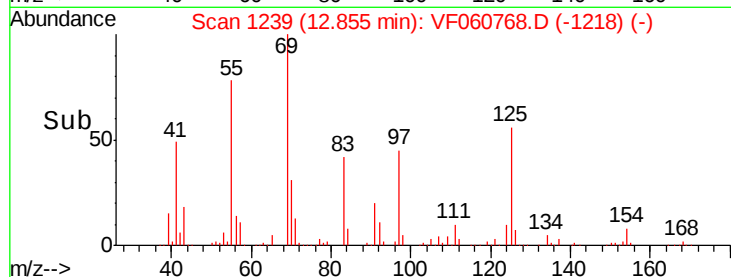
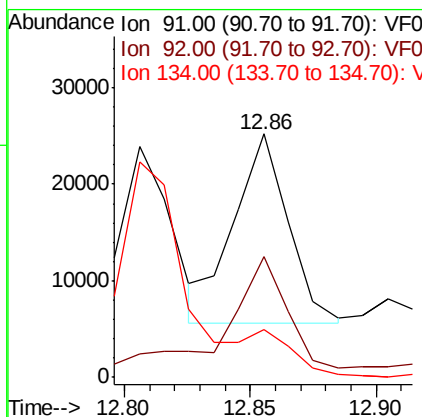
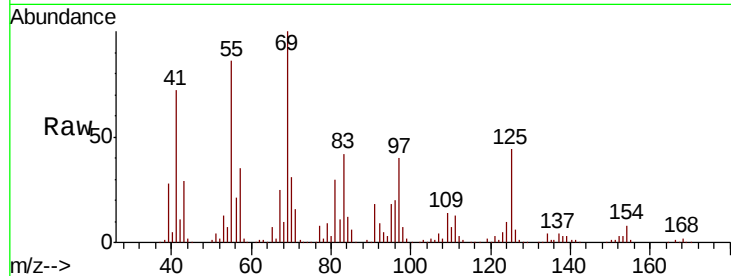




#89  
n-Butylbenzene  
Concen: 2.846 ug/l  
RT: 12.86 min Scan# 1239  
Delta R.T. 0.01 min  
Lab File: VF060768.D  
Acq: 16 Nov 2018 16:59

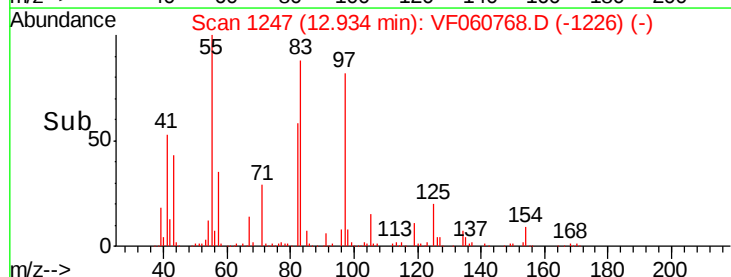
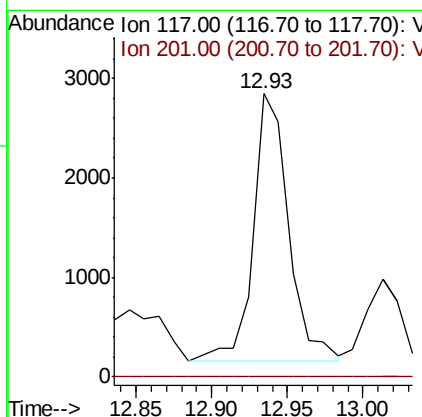
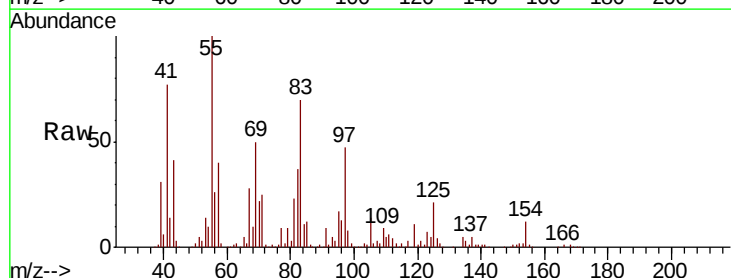
Instrument :  
MSVOA\_F  
ClientSampled :  
T-1

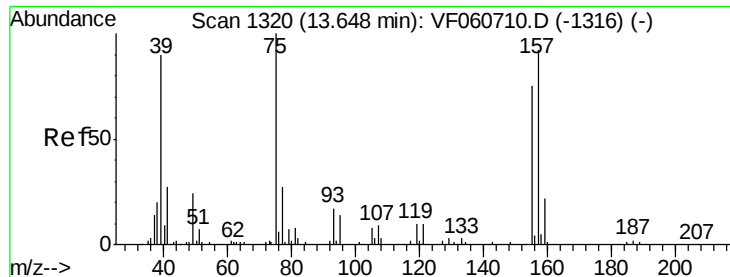
Tot Ion: 91 Resp: 29240  
Ion Ratio Lower Upper  
91 100  
92 49.7 33.1 99.2  
134 19.6 11.9 35.9



#90  
Hexachloroethane  
Concen: 1.786 ug/l  
RT: 12.93 min Scan# 1247  
Delta R.T. 0.01 min  
Lab File: VF060768.D  
Acq: 16 Nov 2018 16:59

Tgt Ion: 117 Resp: 4397  
Ion Ratio Lower Upper  
117 100  
201 0.0 29.4 88.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 14.069 ug/l

RT: 13.65 min Scan# 1320

Delta R.T. 0.01 min

Lab File: VF060768.D

Acq: 16 Nov 2018 16:59

Instrument :

MSVOA\_F

ClientSampleId :

T-1

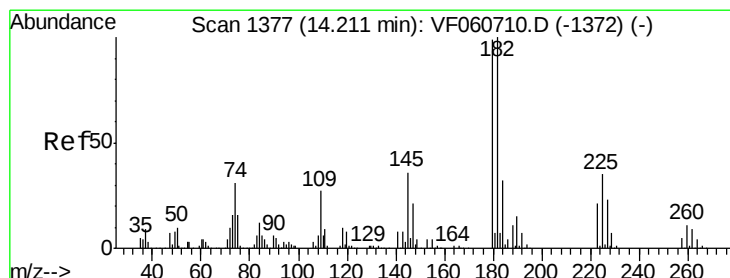
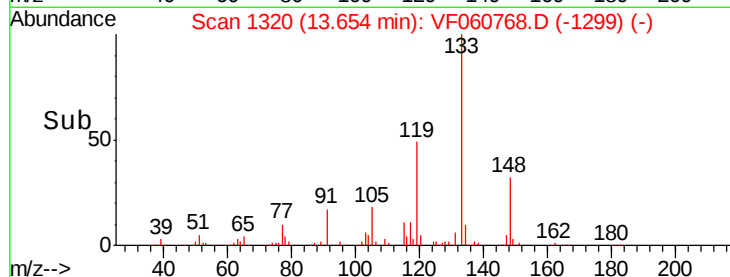
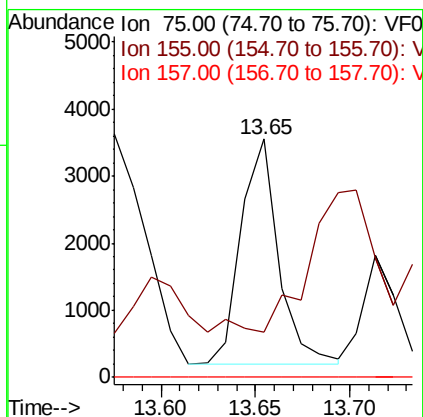
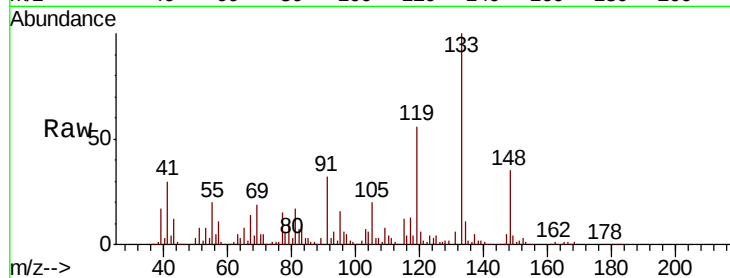
Tot Ion: 75 Resp: 4608

Ion Ratio Lower Upper

75 100

155 19.0 37.4 112.2#

157 0.0 46.0 138.0#



#93

1,2,4-Trichlorobenzene

Concen: 6.519 ug/l

RT: 14.30 min Scan# 1385

Delta R.T. 0.08 min

Lab File: VF060768.D

Acq: 16 Nov 2018 16:59

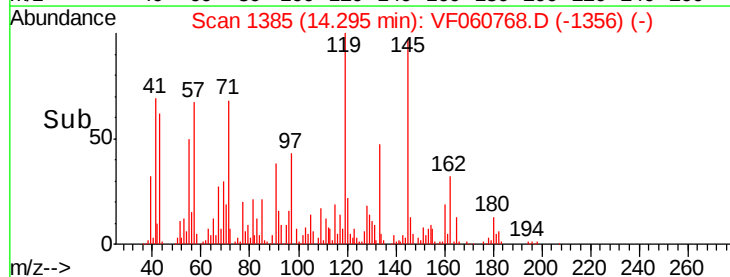
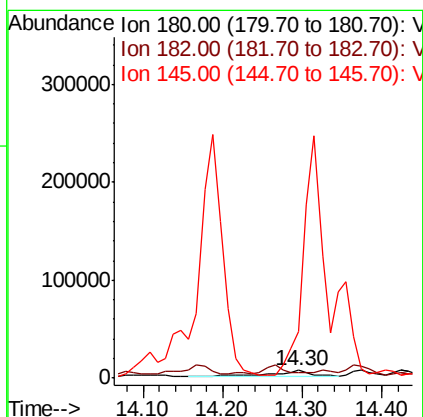
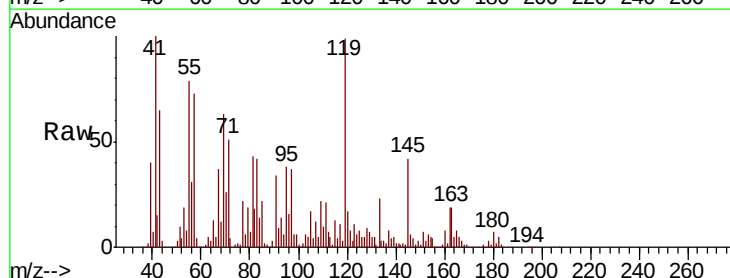
Tgt Ion: 180 Resp: 19263

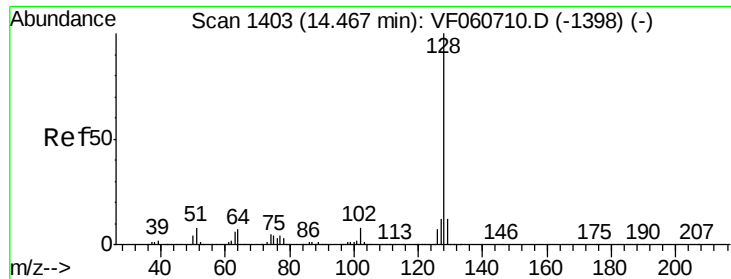
Ion Ratio Lower Upper

180 100

182 70.1 50.3 151.0

145 612.6 18.3 54.9#





#95

Naphthalene

Concen: 6.829 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. 0.01 min

Lab File: VF060768.D

Acq: 16 Nov 2018 16:59

Instrument :

MSVOA\_F

ClientSampled :

T-1

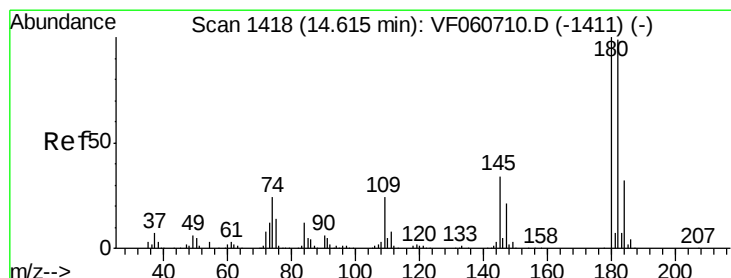
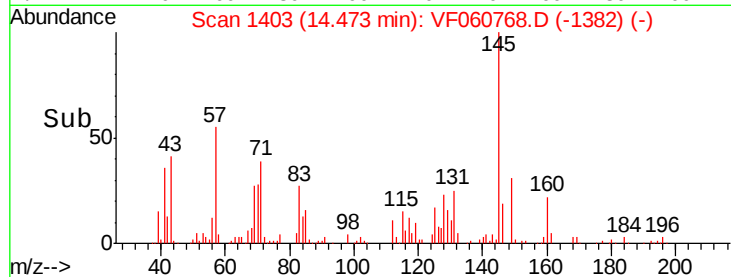
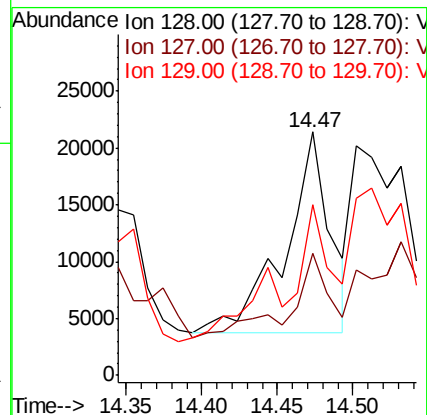
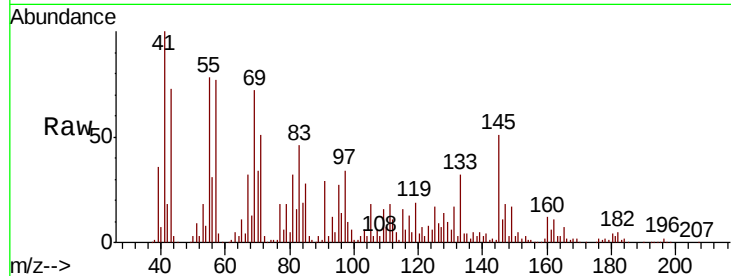
Tot Ion:128 Resp: 36818

Ion Ratio Lower Upper

128 100

127 50.0 9.8 14.6#

129 69.9 9.3 13.9#



#96

1,2,3-Trichlorobenzene

Concen: 10.062 ug/l

RT: 14.65 min Scan# 1421

Delta R.T. 0.04 min

Lab File: VF060768.D

Acq: 16 Nov 2018 16:59

Tgt Ion:180 Resp: 27473

Ion Ratio Lower Upper

180 100

182 64.3 49.6 149.0

145 154.2 16.9 50.7#

