

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112018\  
 Data File : VF060822.D  
 Acq On : 21 Nov 2018 00:26  
 Operator : VA/AP  
 Sample : J5981-05  
 Misc : 3.04g/5mL/MSVOA-F/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :

Quant Time: Nov 21 02:54:02 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      | 4.87  | 168  | 162753   | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 5.60  | 114  | 269110   | 50.00 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 9.78  | 117  | 176066   | 50.00 | ug/l  | -0.01    |
| 72) 1,4-Dichlorobenzene-d4 | 12.56 | 152  | 62609    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 4.85  | 65   | 90450    | 48.72 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.44% |          |
| 35) Dibromofluoromethane    | 4.11  | 113  | 97858    | 48.38 | ug/l   | -0.01    |
| Spiked Amount               |       |      | Recovery | =     | 96.76% |          |
| 50) Toluene-d8              | 7.56  | 98   | 220401   | 41.86 | ug/l   | -0.01    |
| Spiked Amount               |       |      | Recovery | =     | 83.72% |          |
| 62) 4-Bromofluorobenzene    | 11.41 | 95   | 73108    | 28.83 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 57.66% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 4) Vinyl Chloride              | 1.00  | 62   | 37002    | 22.898    | ug/l # | 42     |
| 11) Tert butyl alcohol         | 2.58  | 59   | 445      | 5.267     | ug/l # | 1      |
| 13) Acrolein                   | 1.99  | 56   | 816      | 10.563    | ug/l # | 10     |
| 15) Acrylonitrile              | 2.94  | 53   | 589      | 3.272     | ug/l # | 75     |
| 16) Acetone                    | 2.24  | 43   | 117618   | 296.424   | ug/l   | 99     |
| 17) Carbon Disulfide           | 1.77  | 76   | 4845471  | 1207.412  | ug/l   | 97     |
| 18) Methyl Acetate             | 2.24  | 43   | 118269   | 181.521   | ug/l # | 64     |
| 20) Methylene Chloride         | 2.18  | 84   | 3668     | Below Cal | #      | 88     |
| 25) 2-Butanone                 | 4.33  | 43   | 51266    | 78.550    | ug/l   | 93     |
| 29) Tetrahydrofuran            | 4.09  | 42   | 396      | 1.471     | ug/l # | 36     |
| 40) Benzene                    | 4.64  | 78   | 269616   | 38.754    | ug/l   | 99     |
| 41) Methacrylonitrile          | 4.70  | 41   | 721      | Below Cal | #      | 1      |
| 52) Toluene                    | 7.63  | 92   | 247296   | 53.043    | ug/l   | 96     |
| 58) 2-Chloroethyl Vinyl ether  | 7.63  | 63   | 37388    | 270.542   | ug/l   | 100    |
| 59) 2-Hexanone                 | 9.48  | 43   | 4272     | 5.463     | ug/l   | 78     |
| 67) Ethyl Benzene              | 9.91  | 91   | 973510   | 145.365   | ug/l   | 100    |
| 68) m/p-Xylenes                | 10.13 | 106  | 527822   | 220.540   | ug/l   | 97     |
| 69) o-Xylene                   | 10.71 | 106  | 359732   | 133.691   | ug/l   | 97     |
| 70) Styrene                    | 10.79 | 104  | 5802     | 1.589     | ug/l # | 87     |
| 73) Isopropylbenzene           | 11.13 | 105  | 27233    | 5.404     | ug/l   | 98     |
| 76) 1,2,3-Trichloropropane     | 11.83 | 75   | 1927     | 3.114     | ug/l # | 1      |
| 78) n-propylbenzene            | 11.60 | 91   | 27554    | 4.688     | ug/l   | 96     |
| 79) 2-Chlorotoluene            | 11.71 | 91   | 22397    | 6.556     | ug/l # | 53     |
| 80) 1,3,5-Trimethylbenzene     | 11.83 | 105  | 133300   | 33.317    | ug/l   | 99     |
| 81) trans-1,4-Dichloro-2-buten | 11.91 | 75   | 1078     | 3.546     | ug/l # | 45     |
| 83) tert-Butylbenzene          | 12.20 | 119  | 49233    | 11.589    | ug/l # | 63     |
| 84) 1,2,4-Trimethylbenzene     | 12.20 | 105  | 401924   | 97.132    | ug/l   | 94     |
| 85) sec-Butylbenzene           | 12.20 | 105  | 401924   | 69.746    | ug/l # | 56     |
| 86) p-Isopropyltoluene         | 12.46 | 119  | 120380   | 25.012    | ug/l   | 93     |
| 89) n-Butylbenzene             | 12.84 | 91   | 6225     | 1.267     | ug/l # | 64     |
| 90) Hexachloroethane           | 13.01 | 117  | 4263     | 3.621     | ug/l # | 21     |
| 92) 1,2-Dibromo-3-Chloropropan | 13.66 | 75   | 3367     | 21.500    | ug/l # | 16     |
| 95) Naphthalene                | 14.46 | 128  | 5059901  | 1962.819  | ug/l # | 87     |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF112018\  
Data File : VF060822.D  
Acq On : 21 Nov 2018 00:26  
Operator : VA/AP  
Sample : J5981-05  
Misc : 3.04g/5mL/MSVOA-F/SOIL  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :

Quant Time: Nov 21 02:54:02 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

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

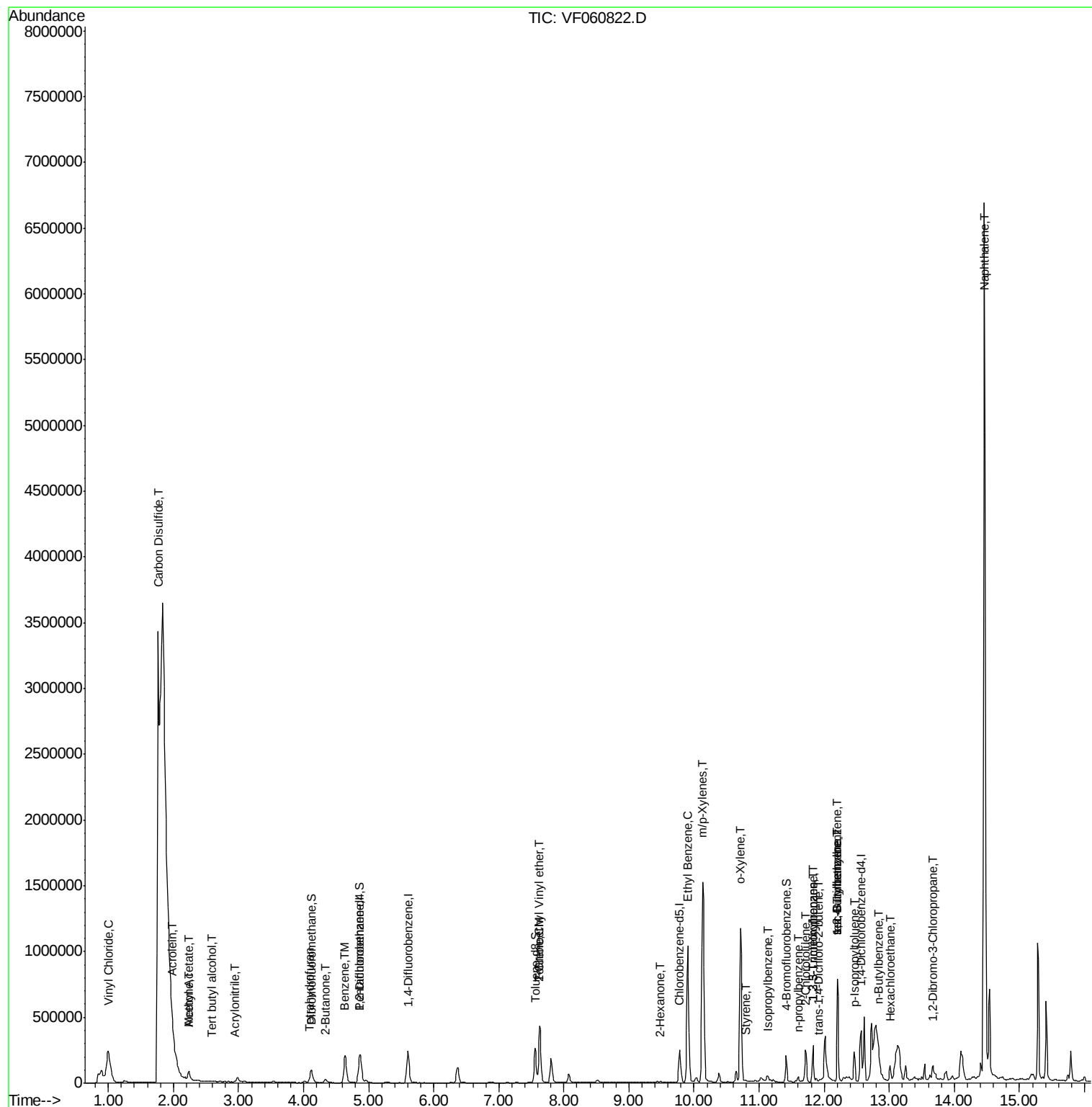
-----

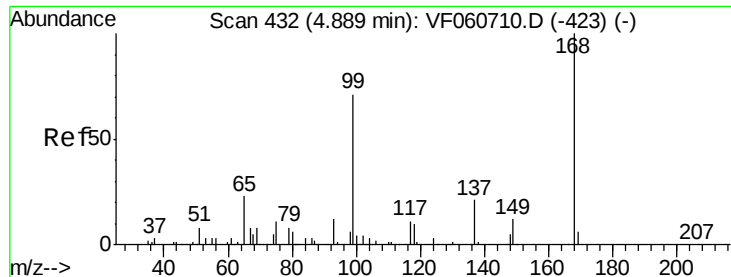
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF112018\  
Data File : VF060822.D  
Acq On : 21 Nov 2018 00:26  
Operator : VA/AP  
Sample : J5981-05  
Misc : 3.04g/5mL/MSVOA-F/SOIL  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :

Quant Time: Nov 21 02:54:02 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: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

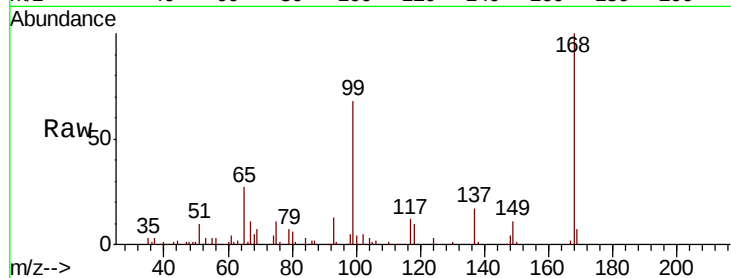
Instrument :  
MSVOA\_F  
ClientSampleId :

Tot Ion:168 Resp: 162753

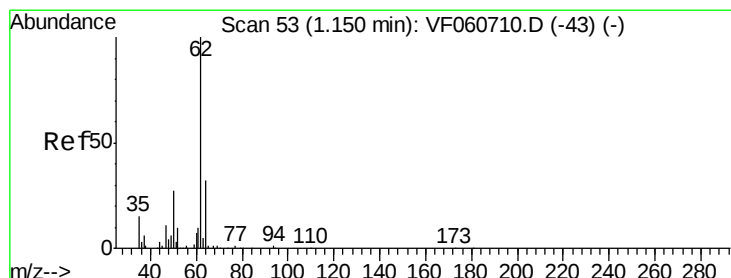
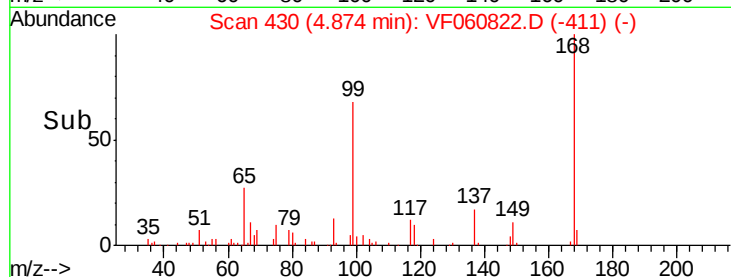
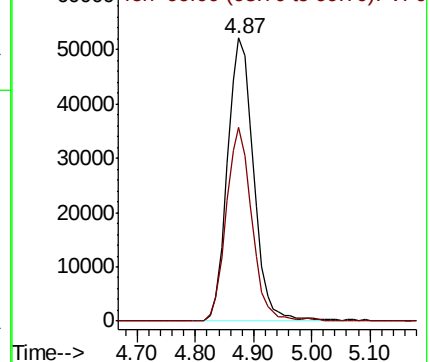
Ion Ratio Lower Upper

168 100

99 68.4 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0  
Ion 99.00 (98.70 to 99.70): VF0



#4

Vinyl Chloride

Concen: 22.898 ug/l

RT: 1.00 min Scan# 37

Delta R.T. -0.15 min

Lab File: VF060822.D

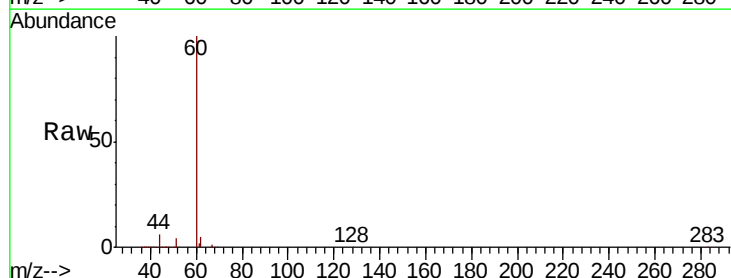
Acq: 21 Nov 2018 00:26

Tgt Ion: 62 Resp: 37002

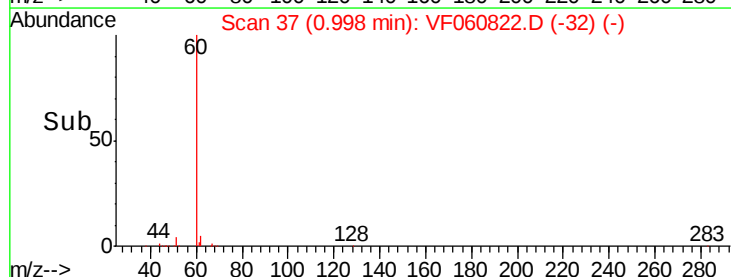
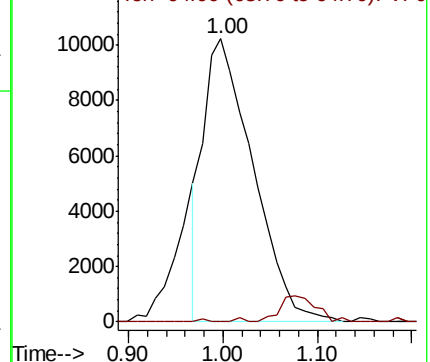
Ion Ratio Lower Upper

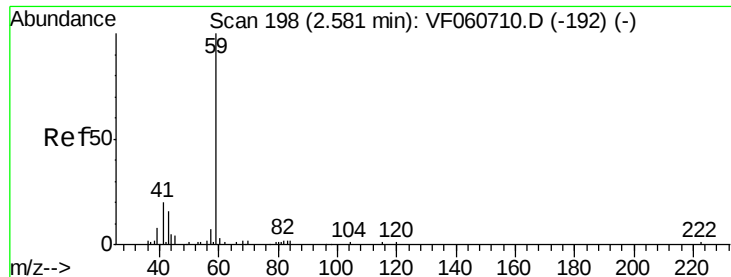
62 100

64 0.0 25.8 38.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0  
Ion 64.00 (63.70 to 64.70): VF0



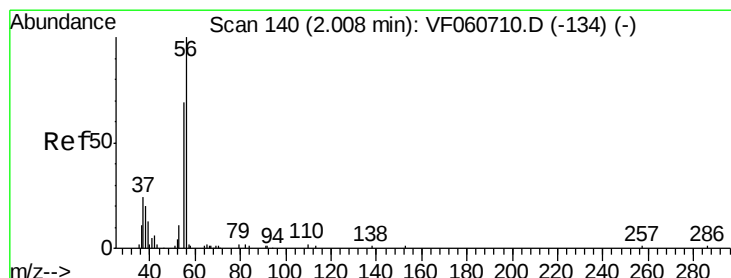
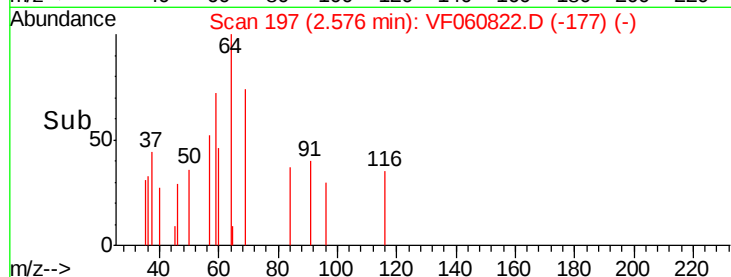
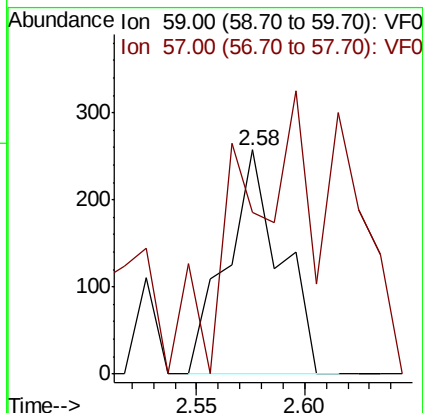
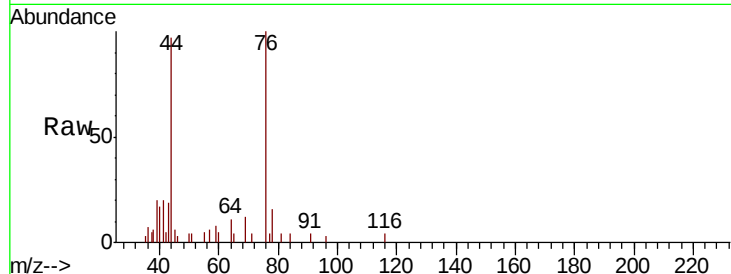


#11

Tert butyl alcohol  
 Concen: 5.267 ug/l  
 RT: 2.58 min Scan# 197  
 Delta R.T. -0.00 min  
 Lab File: VF060822.D  
 Acq: 21 Nov 2018 00:26

Instrument :  
 MSVOA\_F  
 ClientSampled :

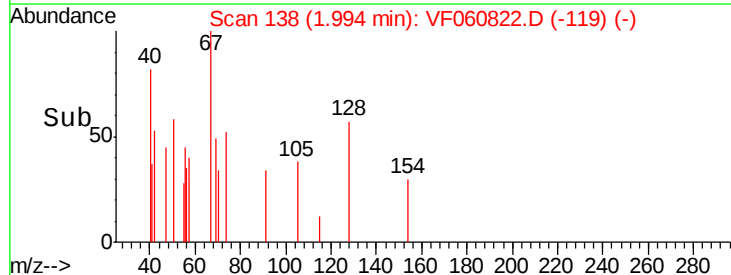
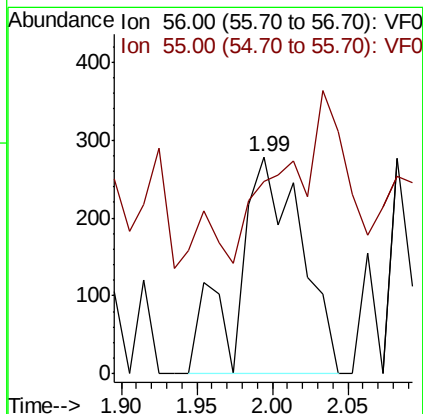
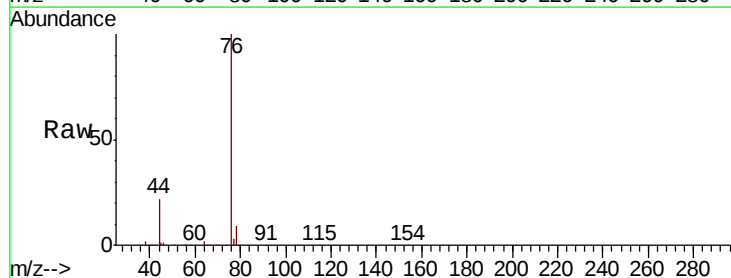
Tot Ion: 59 Resp: 445  
 Ion Ratio Lower Upper  
 59 100  
 57 72.4 10.5 15.7#

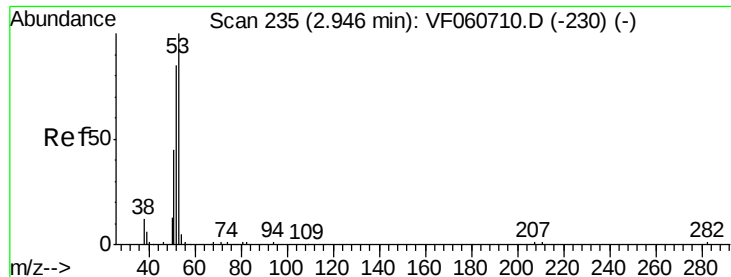


#13

Acrolein  
 Concen: 10.563 ug/l  
 RT: 1.99 min Scan# 138  
 Delta R.T. -0.01 min  
 Lab File: VF060822.D  
 Acq: 21 Nov 2018 00:26

Tgt Ion: 56 Resp: 816  
 Ion Ratio Lower Upper  
 56 100  
 55 144.8 56.6 85.0#





#15

Acrylonitrile

Concen: 3.272 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

Instrument :

MSVOA\_F

ClientSampleId :

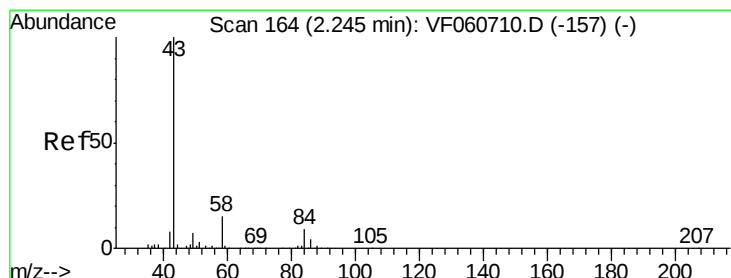
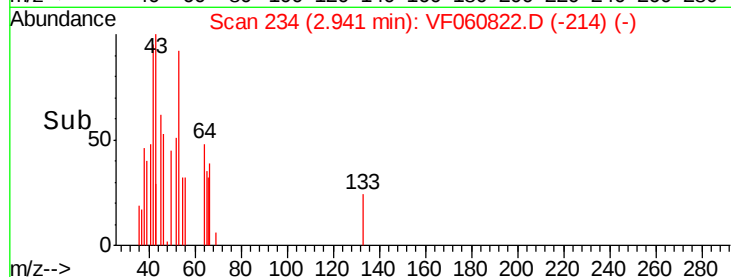
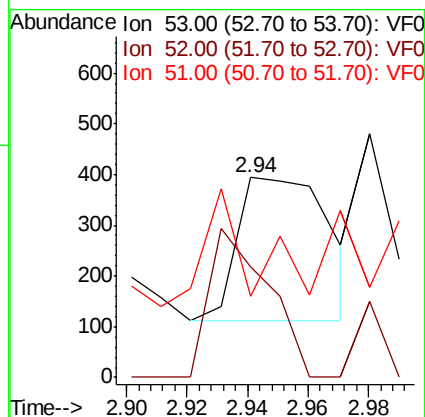
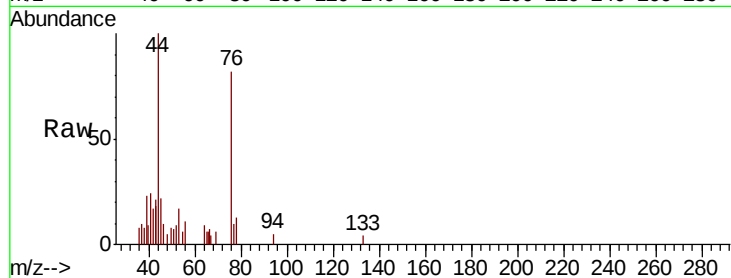
Tot Ion: 53 Resp: 589

Ion Ratio Lower Upper

53 100

52 55.3 68.8 103.2#

51 40.6 36.7 55.1



#16

Acetone

Concen: 296.424 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF060822.D

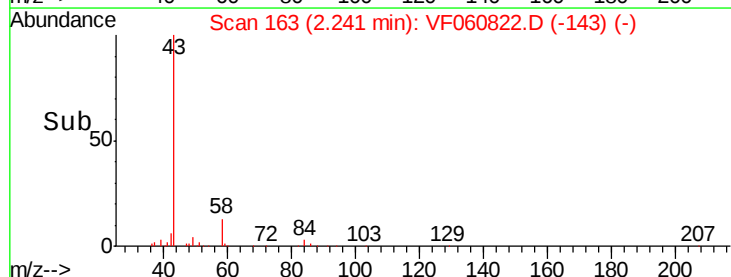
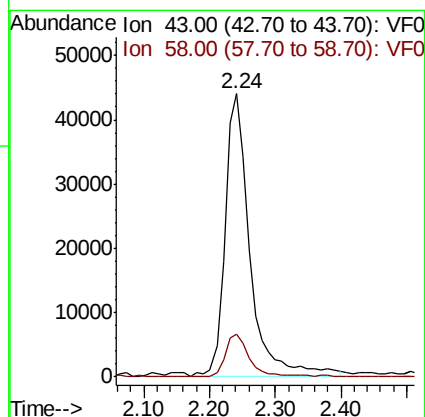
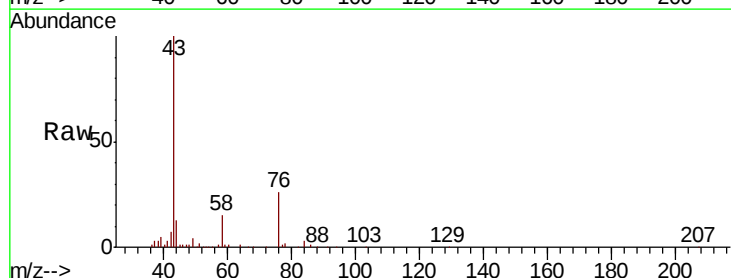
Acq: 21 Nov 2018 00:26

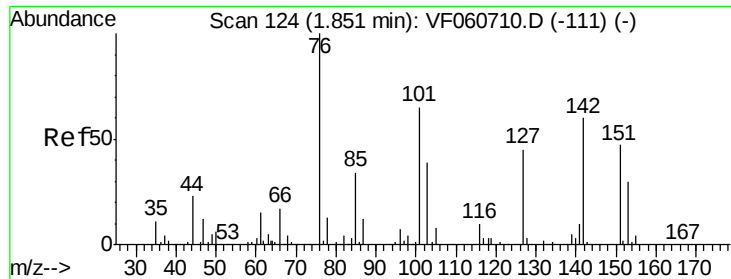
Tgt Ion: 43 Resp: 117618

Ion Ratio Lower Upper

43 100

58 14.9 11.6 17.4

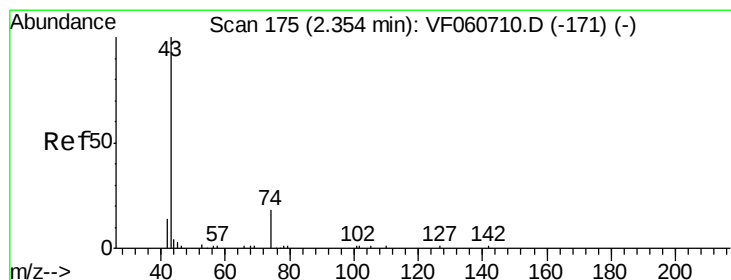
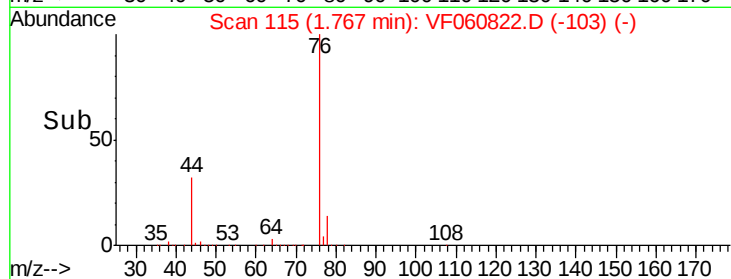
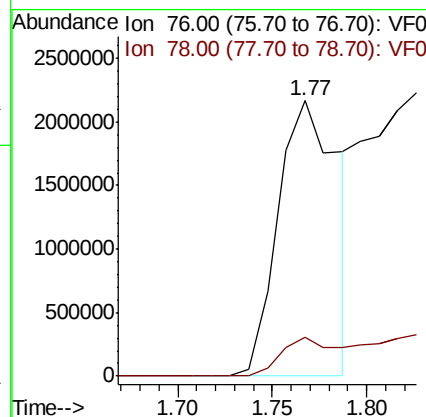
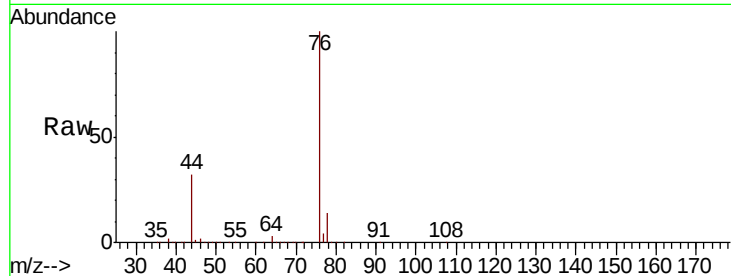




#17  
 Carbon Disulfide  
 Concen: 1207.412 ug/l  
 RT: 1.77 min Scan# 115  
 Delta R.T. -0.08 min  
 Lab File: VF060822.D  
 Acq: 21 Nov 2018 00:26

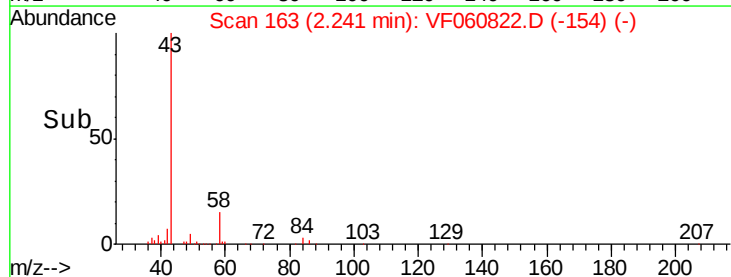
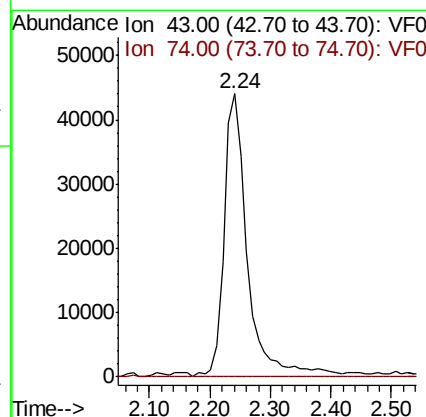
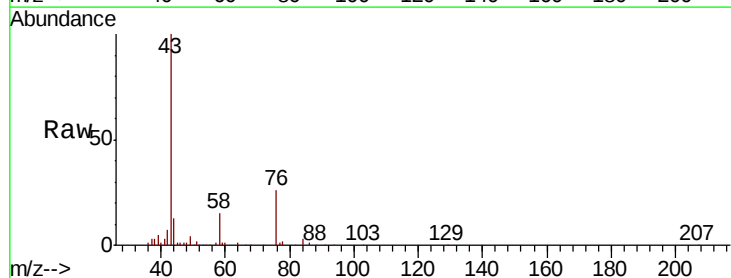
Instrument :  
 MSVOA\_F  
 ClientSampleId :

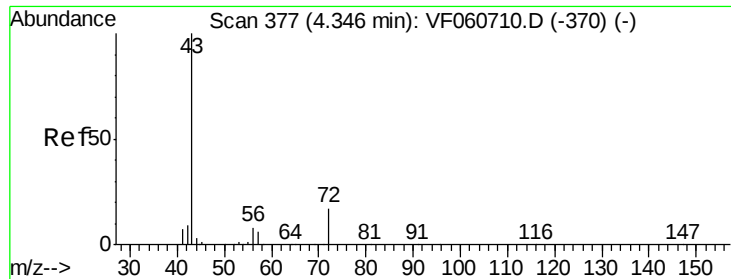
Tot Ion: 76 Resp: 4845471  
 Ion Ratio Lower Upper  
 76 100  
 78 14.1 10.5 15.7



#18  
 Methyl Acetate  
 Concen: 181.521 ug/l  
 RT: 2.24 min Scan# 163  
 Delta R.T. -0.11 min  
 Lab File: VF060822.D  
 Acq: 21 Nov 2018 00:26

Tgt Ion: 43 Resp: 118269  
 Ion Ratio Lower Upper  
 43 100  
 74 0.0 11.8 17.8#





#25

2-Butanone

Concen: 78.550 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

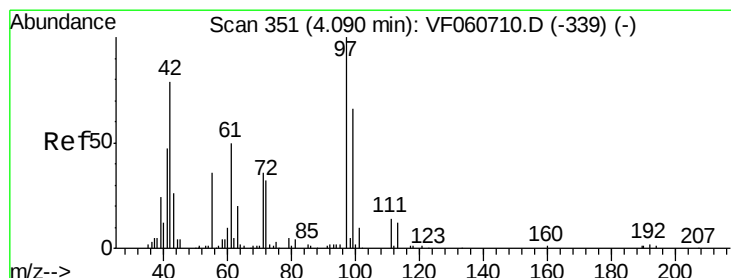
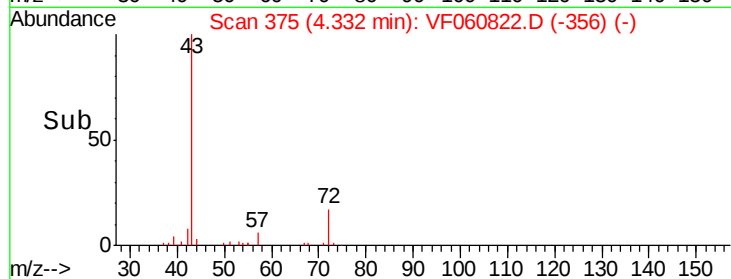
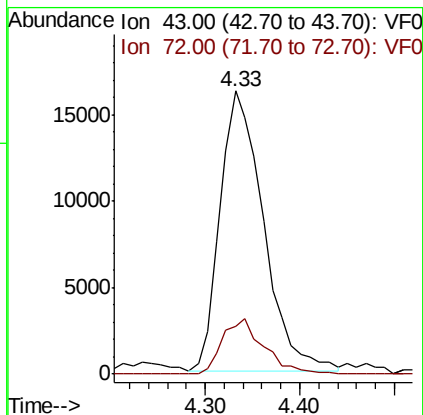
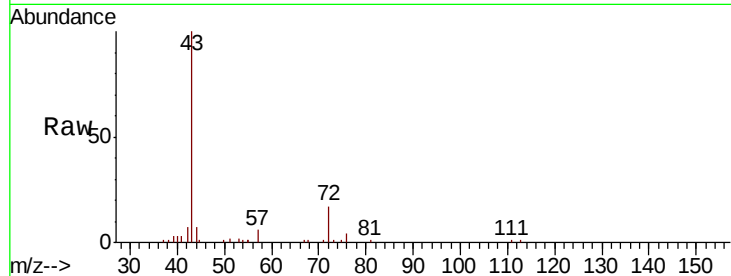
Instrument :  
MSVOA\_F  
ClientSampled :

Tot Ion: 43 Resp: 51266

Ion Ratio Lower Upper

43 100

72 16.9 16.1 24.1



#29

Tetrahydrofuran

Concen: 1.471 ug/l

RT: 4.09 min Scan# 350

Delta R.T. -0.00 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

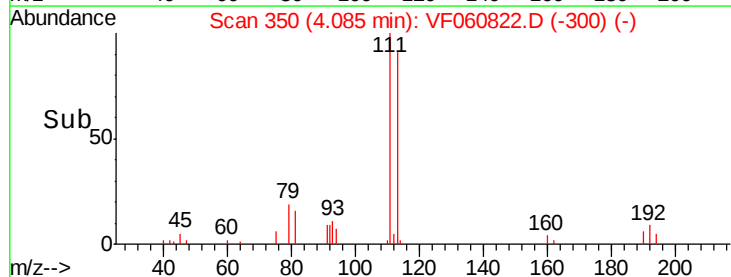
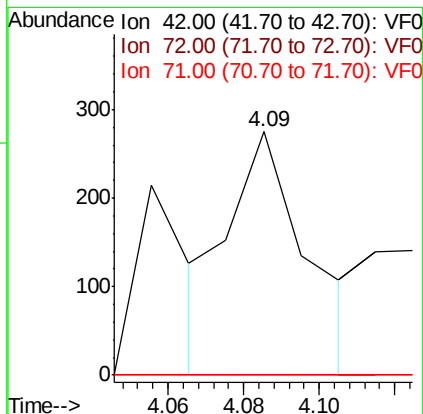
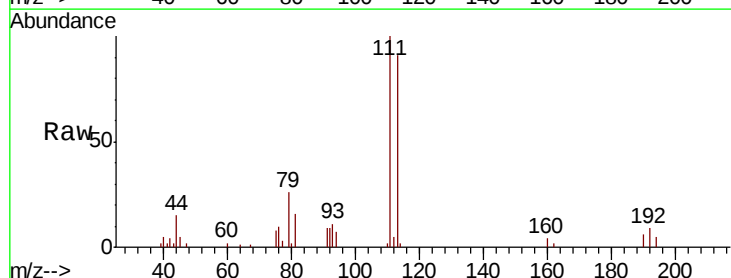
Tgt Ion: 42 Resp: 396

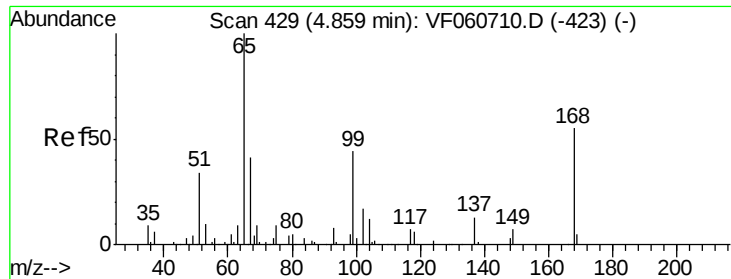
Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 0.0 32.2 48.2#





#33

1,2-Dichloroethane-d4

Concen: 48.724 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.00 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

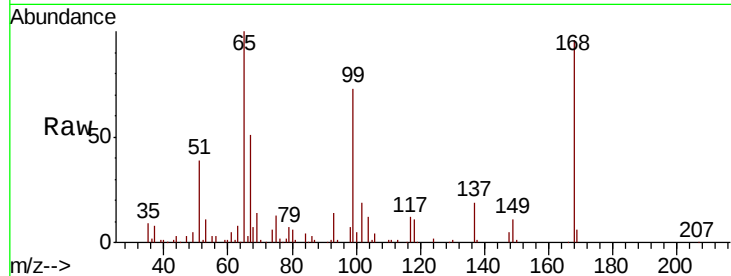
Instrument :  
MSVOA\_F  
ClientSampleId :

Tot Ion: 65 Resp: 90450

Ion Ratio Lower Upper

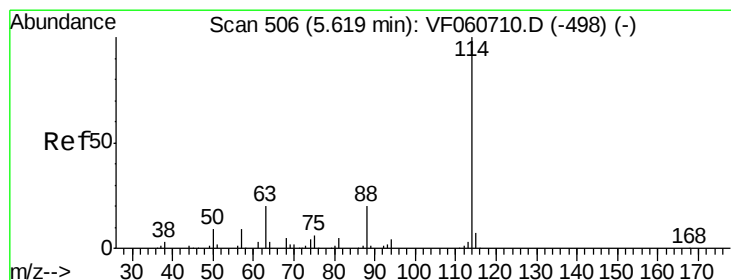
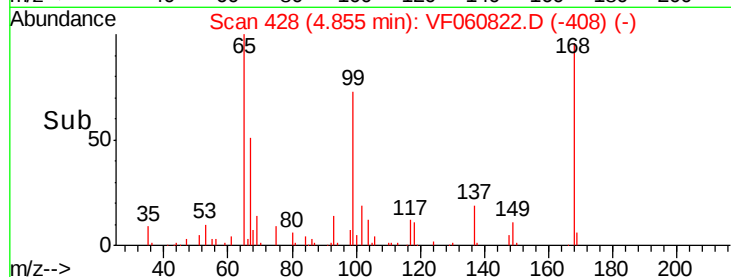
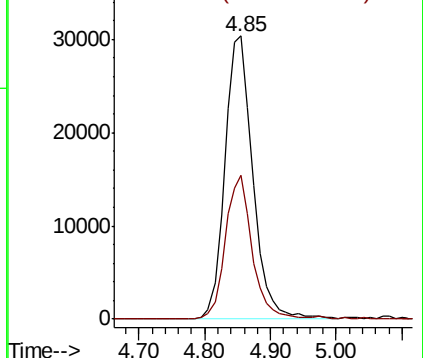
65 100

67 50.9 0.0 90.2



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: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

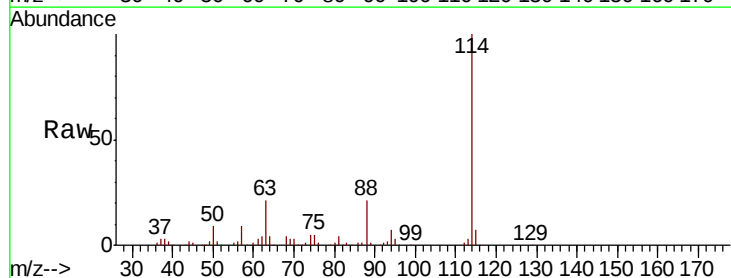
Tgt Ion: 114 Resp: 269110

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

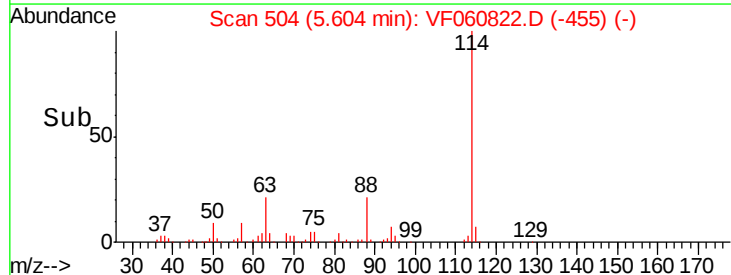
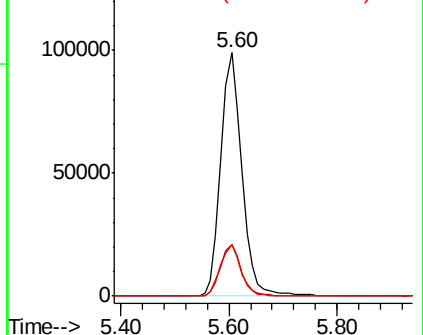
88 21.4 0.0 39.6

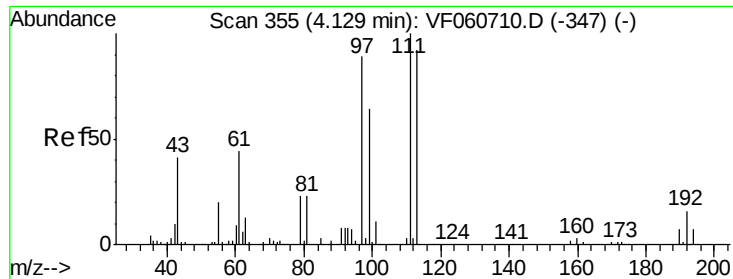


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

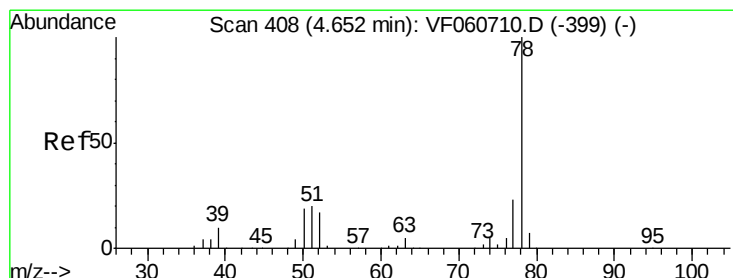
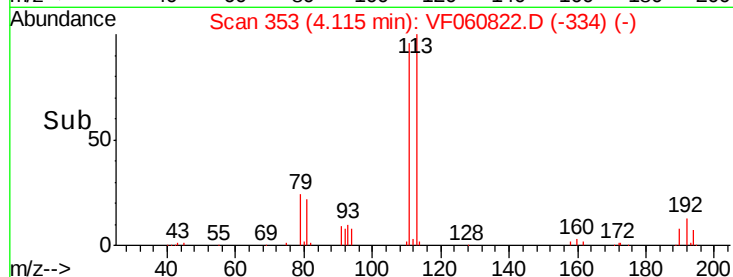
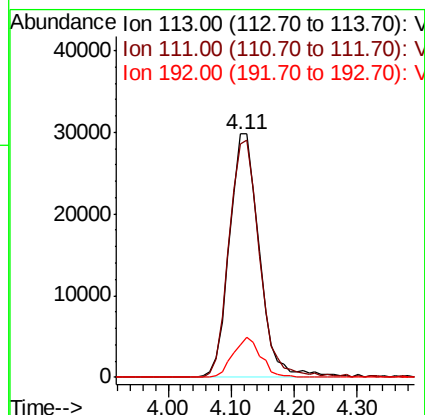
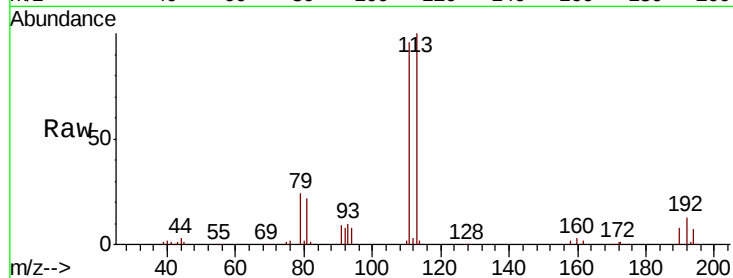




#35  
 Dibromofluoromethane  
 Concen: 48.376 ug/l  
 RT: 4.11 min Scan# 353  
 Delta R.T. -0.01 min  
 Lab File: VF060822.D  
 Acq: 21 Nov 2018 00:26

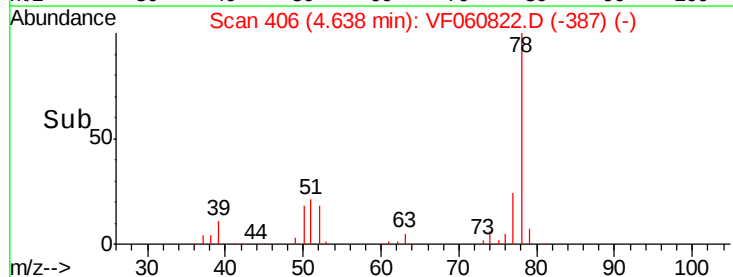
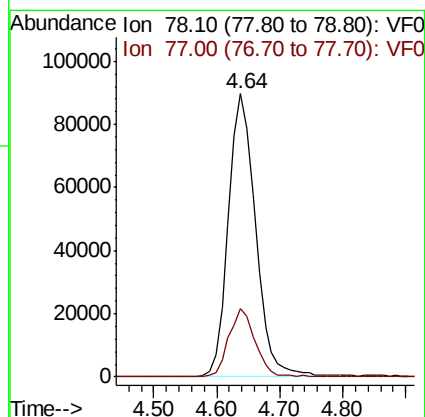
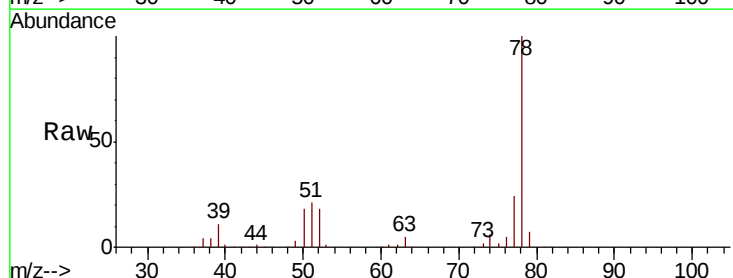
Instrument :  
 MSVOA\_F  
 ClientSampleId :

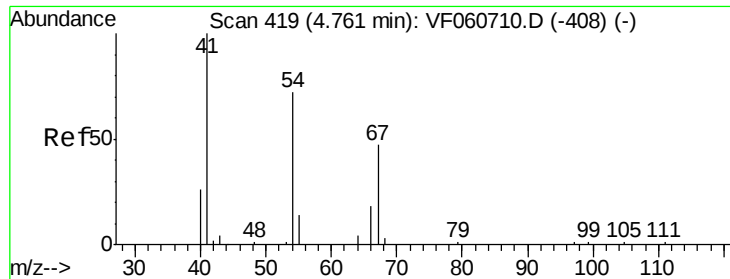
Tot Ion:113 Resp: 97858  
 Ion Ratio Lower Upper  
 113 100  
 111 95.9 87.1 130.7  
 192 13.3 13.8 20.6#



#40  
 Benzene  
 Concen: 38.754 ug/l  
 RT: 4.64 min Scan# 406  
 Delta R.T. -0.01 min  
 Lab File: VF060822.D  
 Acq: 21 Nov 2018 00:26

Tgt Ion: 78 Resp: 269616  
 Ion Ratio Lower Upper  
 78 100  
 77 24.0 18.6 28.0

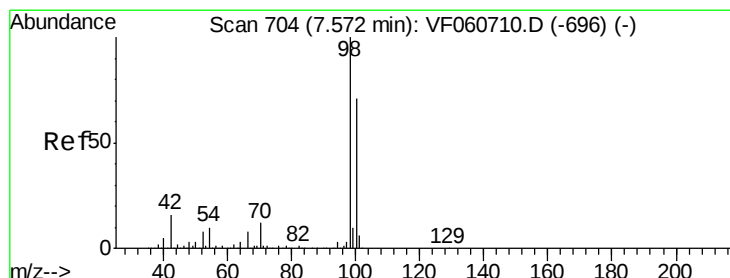
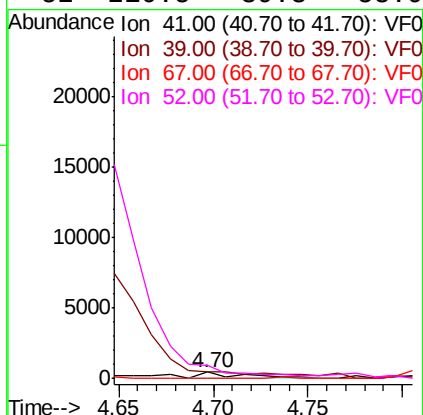
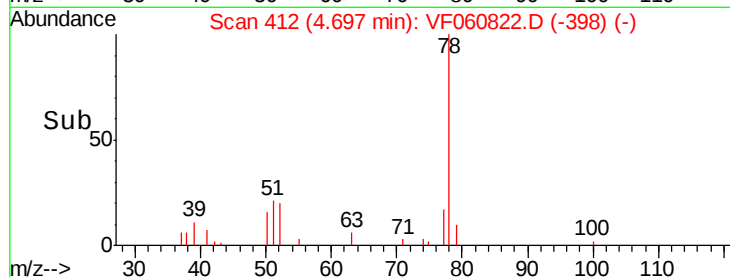
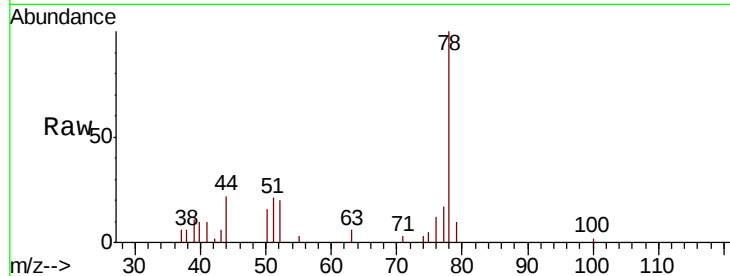




#41  
Methacrylonitrile  
Concen: Below Cal  
RT: 4.70 min Scan# 412  
Delta R.T. -0.06 min  
Lab File: VF060822.D  
Acq: 21 Nov 2018 00:26

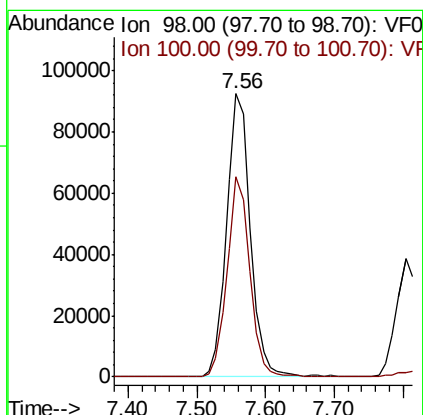
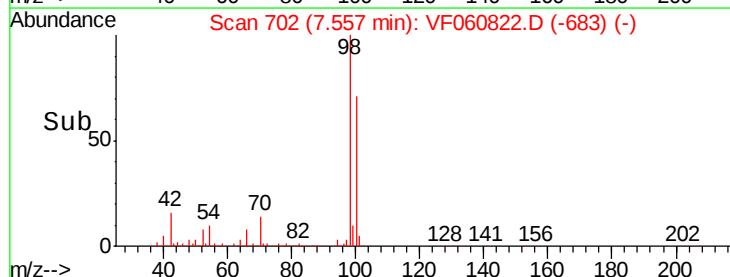
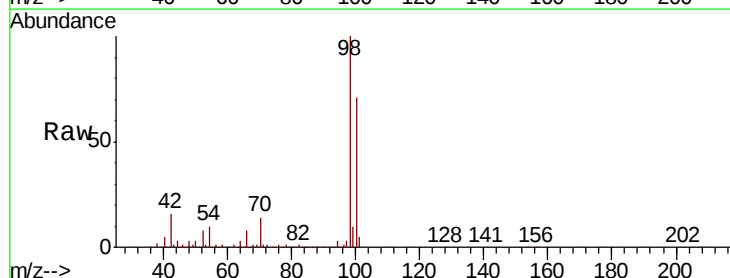
Instrument :  
MSVOA\_F  
ClientSampleId :

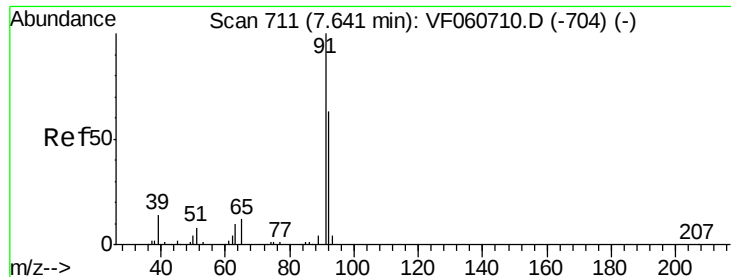
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 111.5 | 47.1  | 70.7# |
| 67      | 0.0   | 37.1  | 55.7# |
| 52      | 210.5 | 39.3  | 58.9# |



#50  
Toluene-d8  
Concen: 41.860 ug/l  
RT: 7.56 min Scan# 702  
Delta R.T. -0.01 min  
Lab File: VF060822.D  
Acq: 21 Nov 2018 00:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 70.9  | 56.5  | 84.7  |





#52

Toluene

Concen: 53.043 ug/l

RT: 7.63 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

Instrument :

MSVOA\_F

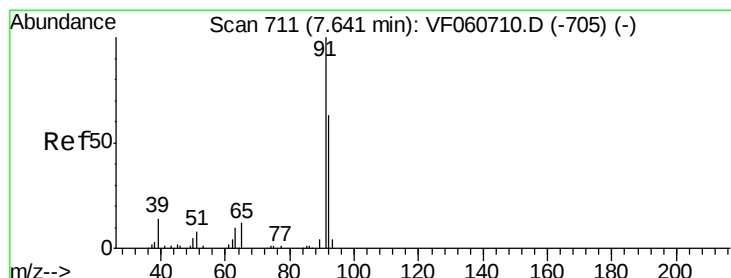
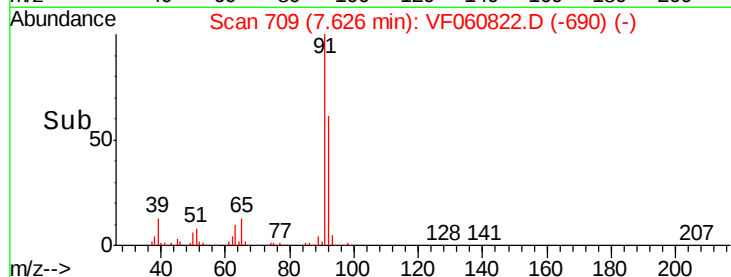
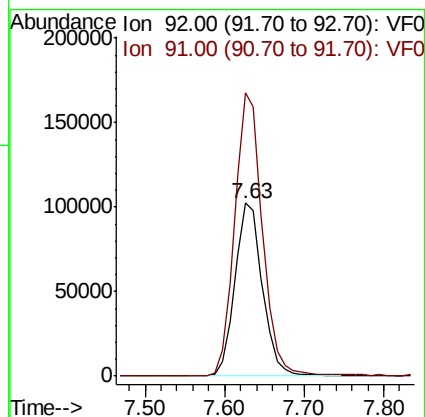
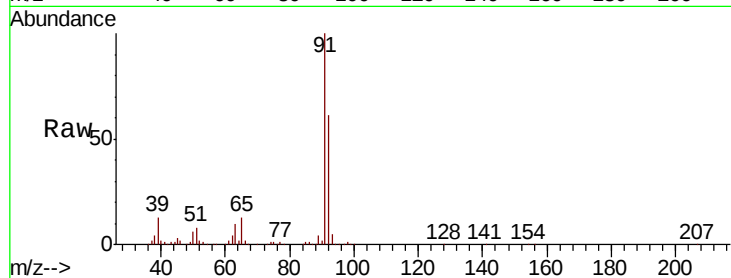
ClientSampleId :

Tot Ion: 92 Resp: 247296

Ion Ratio Lower Upper

92 100

91 163.6 126.7 190.1



#58

2-Chloroethyl Vinyl ether

Concen: 270.542 ug/l

RT: 7.63 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF060822.D

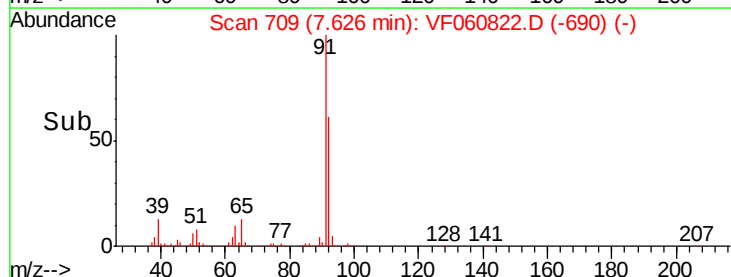
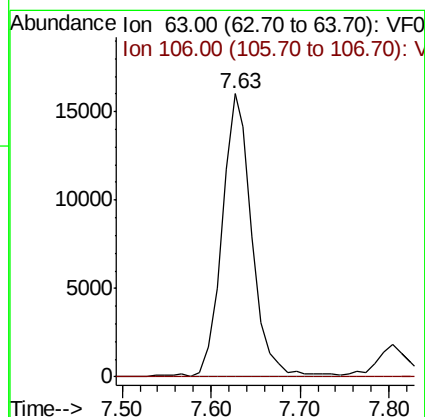
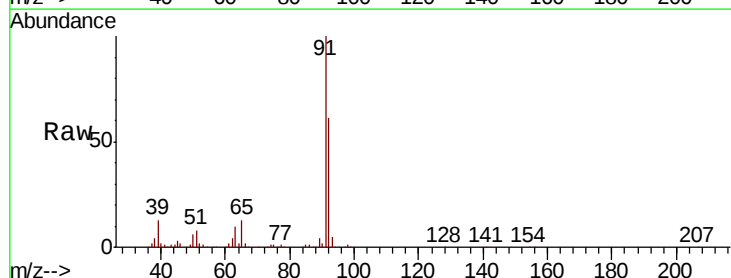
Acq: 21 Nov 2018 00:26

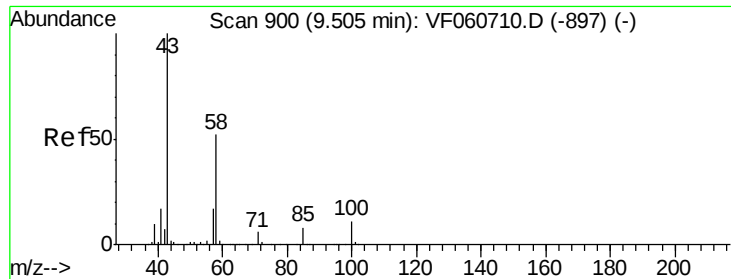
Tgt Ion: 63 Resp: 37388

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

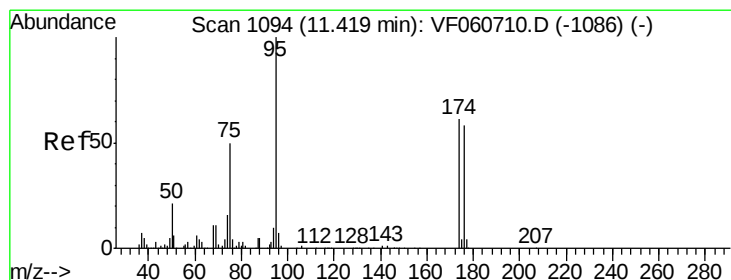
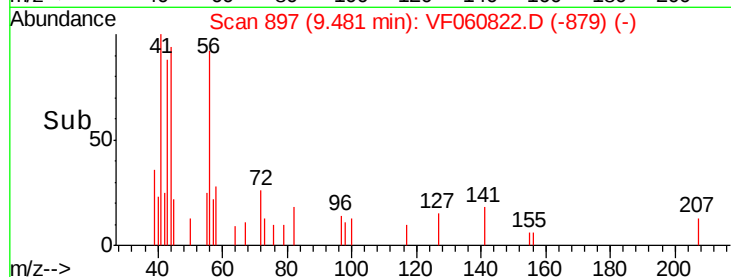
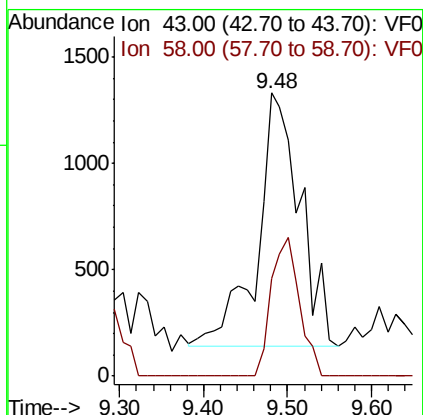
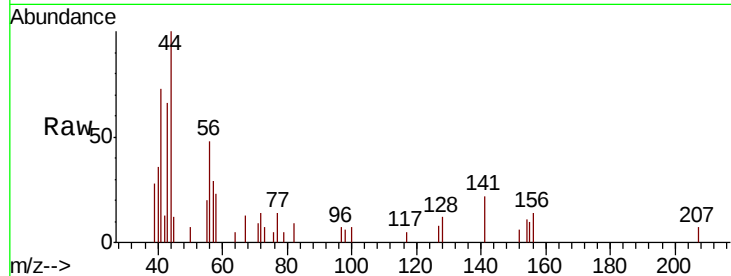




#59  
2-Hexanone  
Concen: 5.463 ug/l  
RT: 9.48 min Scan# 897  
Delta R.T. -0.02 min  
Lab File: VF060822.D  
Acq: 21 Nov 2018 00:26

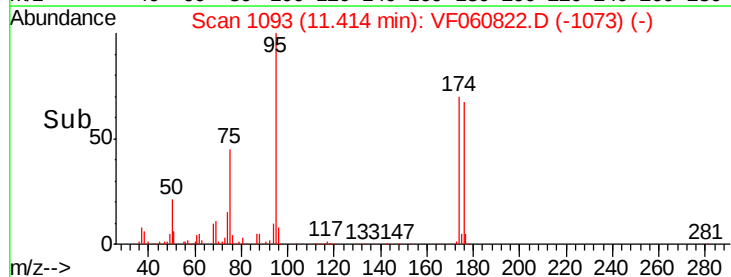
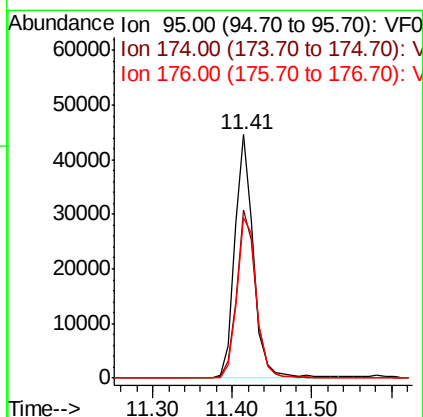
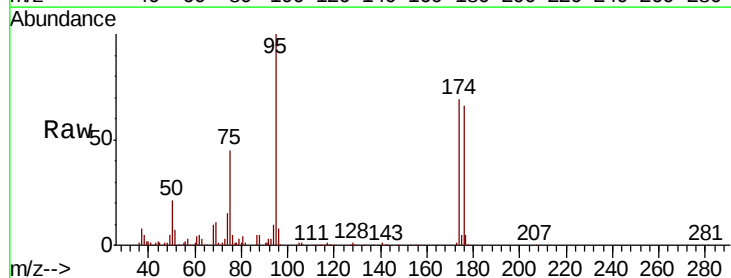
Instrument :  
MSVOA\_F  
ClientSampled :

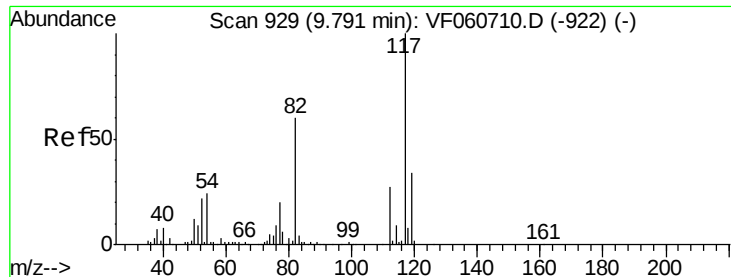
Tot Ion: 43 Resp: 4272  
Ion Ratio Lower Upper  
43 100  
58 34.7 24.9 74.7



#62  
4-Bromofluorobenzene  
Concen: 28.827 ug/l  
RT: 11.41 min Scan# 1093  
Delta R.T. -0.00 min  
Lab File: VF060822.D  
Acq: 21 Nov 2018 00:26

Tgt Ion: 95 Resp: 73108  
Ion Ratio Lower Upper  
95 100  
174 69.0 0.0 121.6  
176 65.9 0.0 115.2

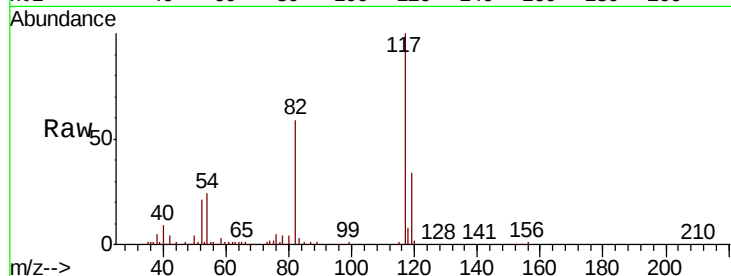




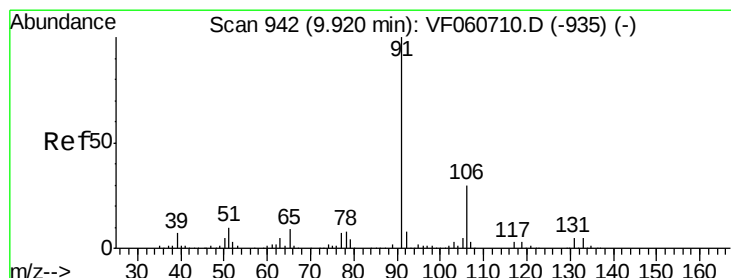
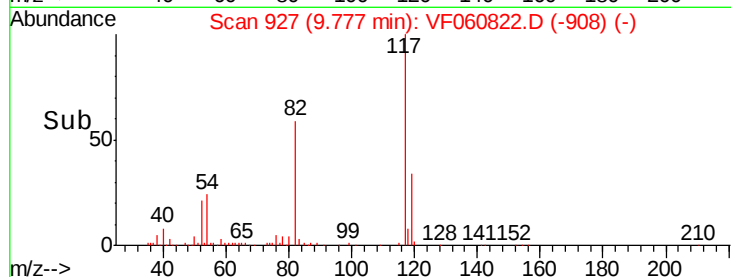
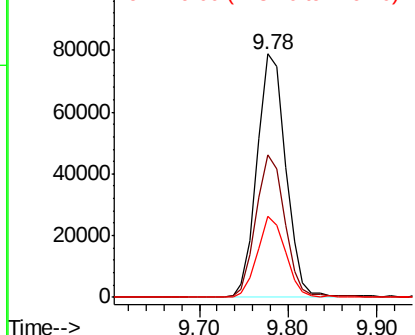
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.78 min Scan# 927  
Delta R.T. -0.01 min  
Lab File: VF060822.D  
Acq: 21 Nov 2018 00:26

Instrument :  
MSVOA\_F  
ClientSampled :

Tot Ion:117 Resp: 176066  
Ion Ratio Lower Upper  
117 100  
82 58.7 47.9 71.9  
119 33.5 26.8 40.2

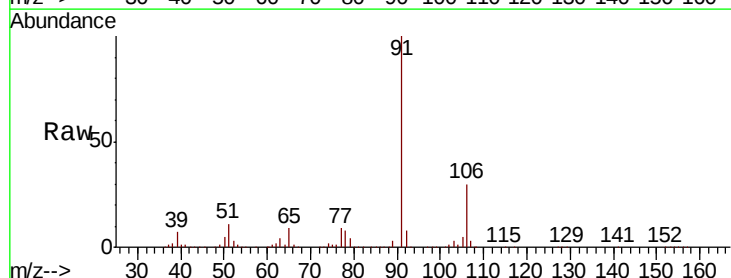


Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 82.00 (81.70 to 82.70): VF0  
Ion 119.00 (118.70 to 119.70): V

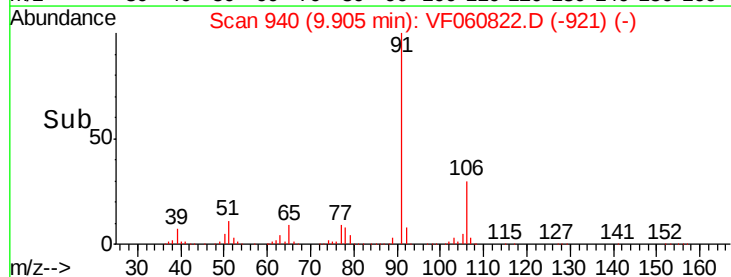
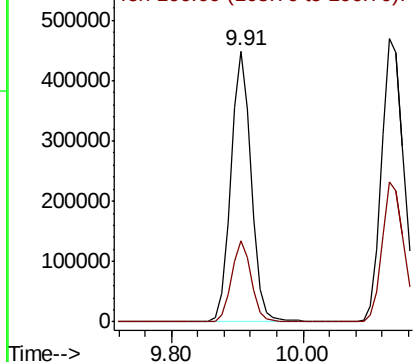


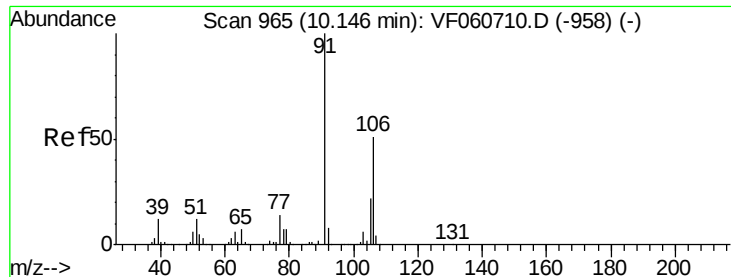
#67  
Ethyl Benzene  
Concen: 145.365 ug/l  
RT: 9.91 min Scan# 940  
Delta R.T. -0.01 min  
Lab File: VF060822.D  
Acq: 21 Nov 2018 00:26

Tgt Ion: 91 Resp: 973510  
Ion Ratio Lower Upper  
91 100  
106 29.9 23.9 35.9



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

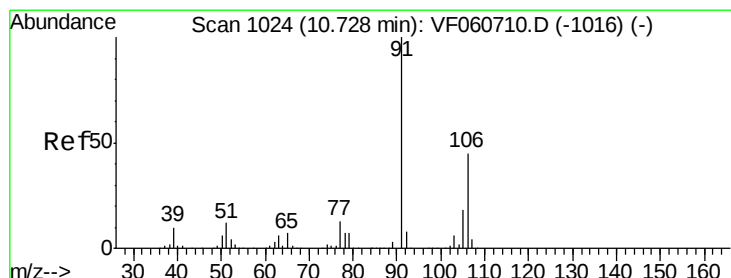
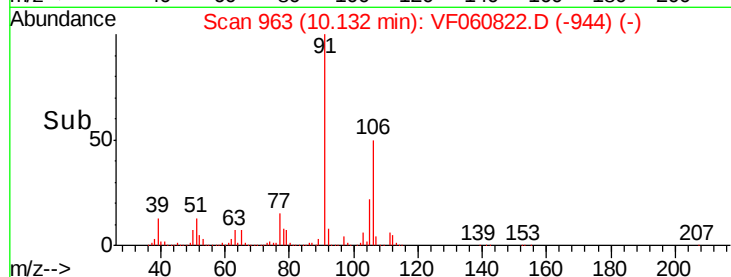
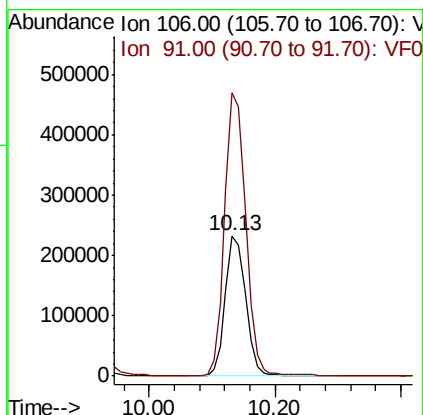
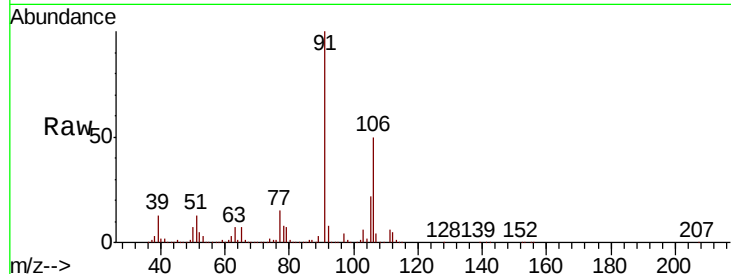




#68  
m/p-Xylenes  
Concen: 220.540 ug/l  
RT: 10.13 min Scan# 963  
Delta R.T. -0.01 min  
Lab File: VF060822.D  
Acq: 21 Nov 2018 00:26

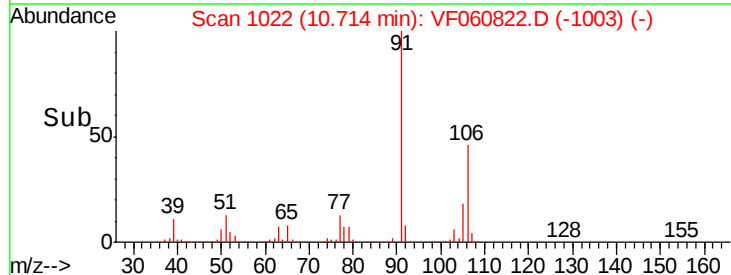
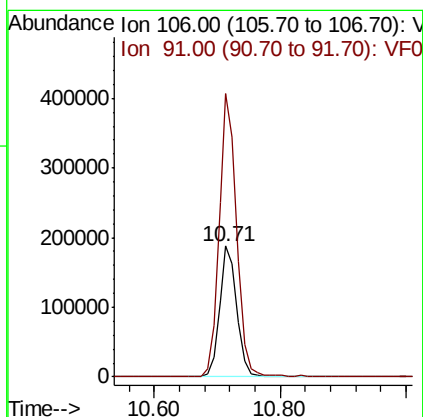
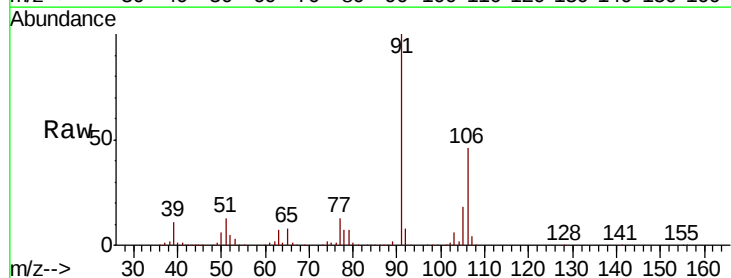
Instrument :  
MSVOA\_F  
ClientSampleId :

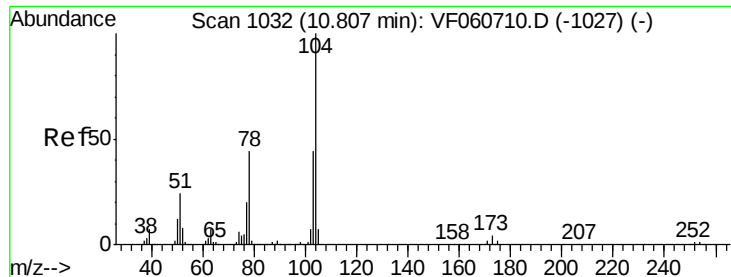
Tot Ion:106 Resp: 527822  
Ion Ratio Lower Upper  
106 100  
91 201.7 158.2 237.2



#69  
o-Xylene  
Concen: 133.691 ug/l  
RT: 10.71 min Scan# 1022  
Delta R.T. -0.01 min  
Lab File: VF060822.D  
Acq: 21 Nov 2018 00:26

Tgt Ion:106 Resp: 359732  
Ion Ratio Lower Upper  
106 100  
91 216.5 110.3 330.9





#70

Stvrene

Concen: 1.589 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

Instrument :

MSVOA\_F

ClientSampleId :

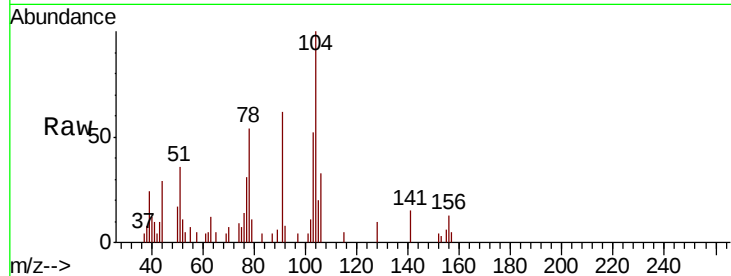
Tot Ion:104 Resp: 5802

Ion Ratio Lower Upper

104 100

78 54.1 35.4 53.2#

103 51.6 35.8 53.6

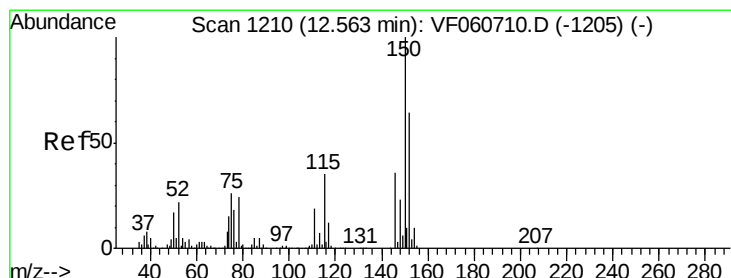
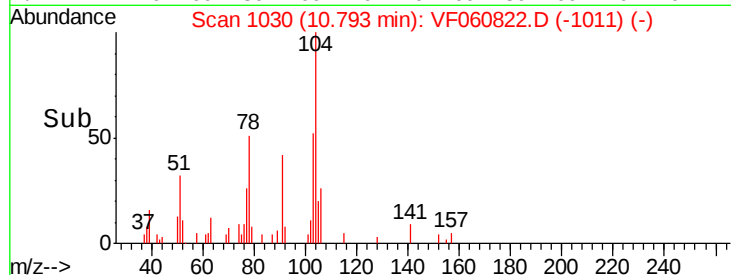
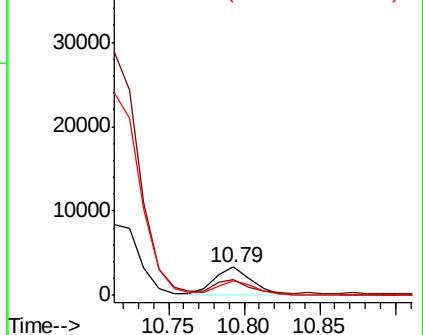


Abundance

Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): 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: VF060822.D

Acq: 21 Nov 2018 00:26

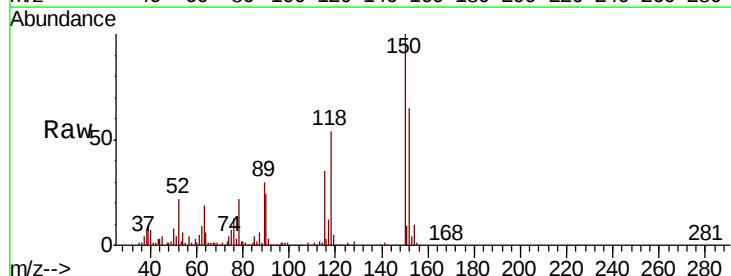
Tgt Ion:152 Resp: 62609

Ion Ratio Lower Upper

152 100

115 53.6 27.9 83.7

150 153.3 0.0 316.4

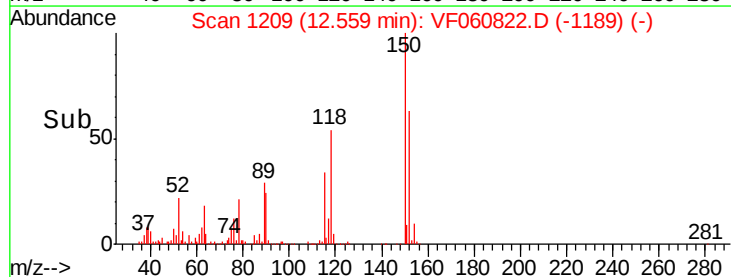
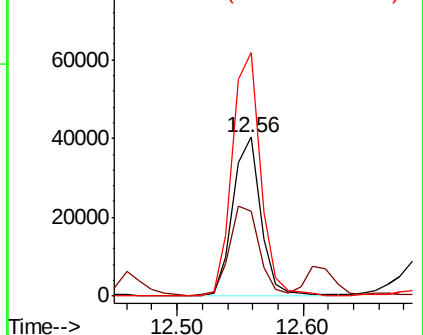


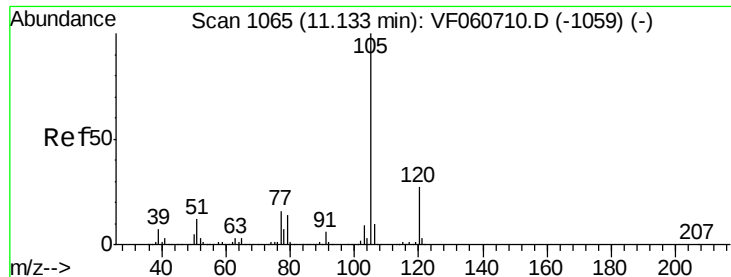
Abundance

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





#73

Isopropylbenzene

Concen: 5.404 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

Instrument :

MSVOA\_F

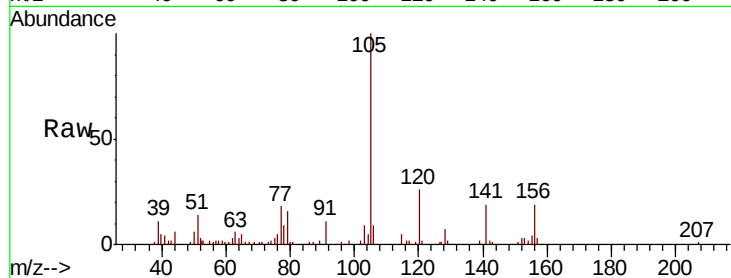
ClientSampleId :

Tot Ion:105 Resp: 27233

Ion Ratio Lower Upper

105 100

120 25.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.13

15000

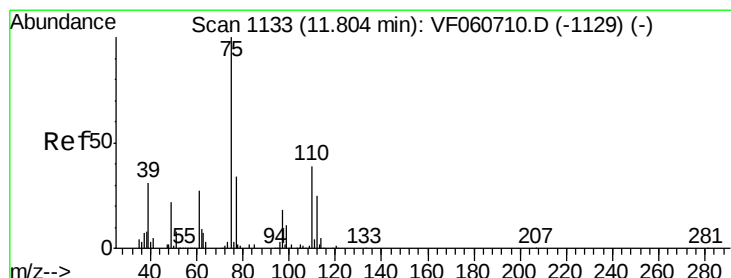
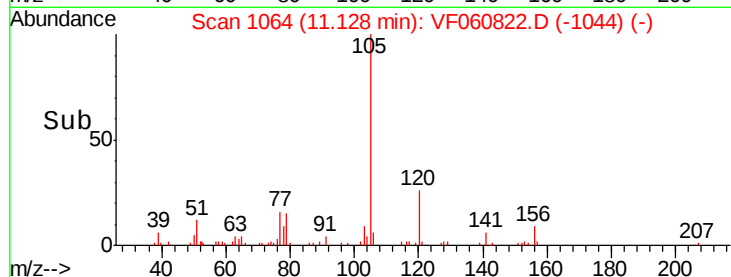
10000

5000

0

Time-->

11.10 11.20



#76

1,2,3-Trichloropropane

Concen: 3.114 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. 0.03 min

Lab File: VF060822.D

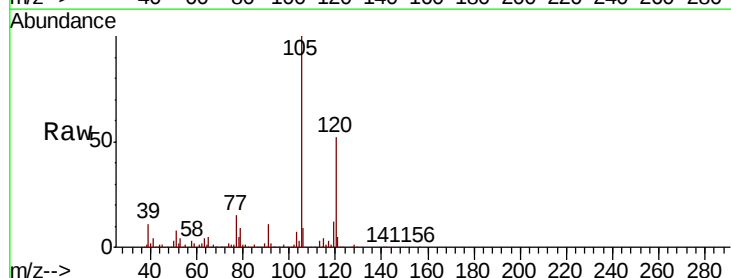
Acq: 21 Nov 2018 00:26

Tgt Ion: 75 Resp: 1927

Ion Ratio Lower Upper

75 100

77 1398.7 17.0 51.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

15000

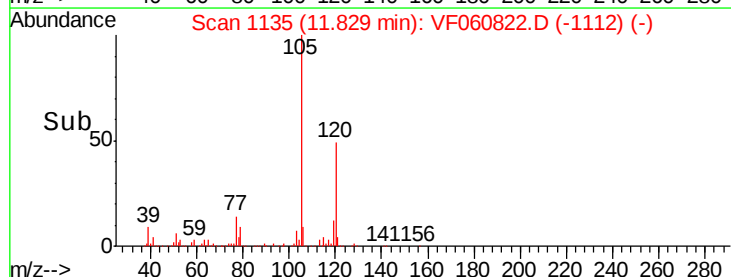
10000

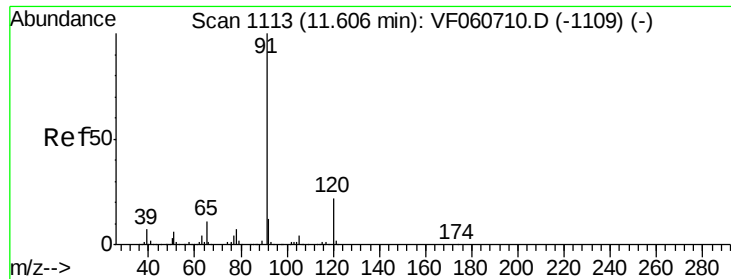
5000

0

Time-->

11.75 11.80 11.85





#78

n-propylbenzene

Concen: 4.688 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

Instrument :

MSVOA\_F

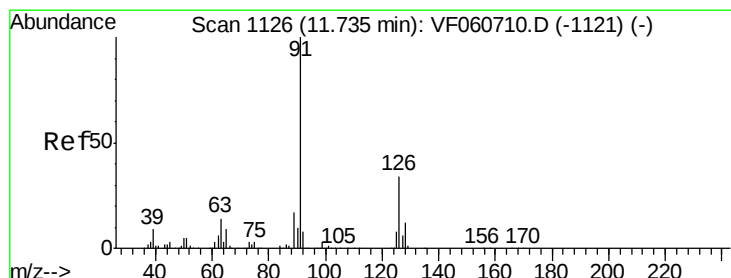
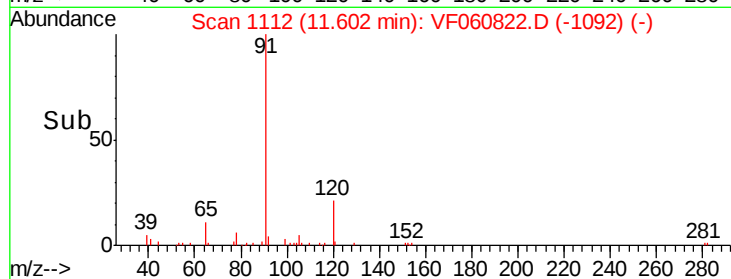
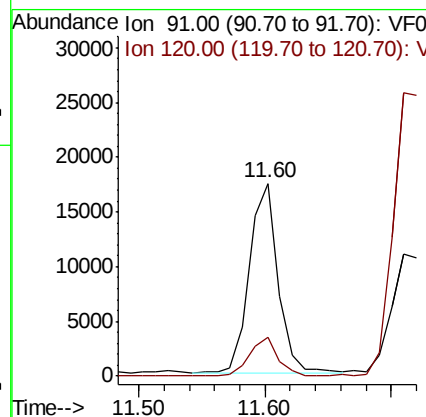
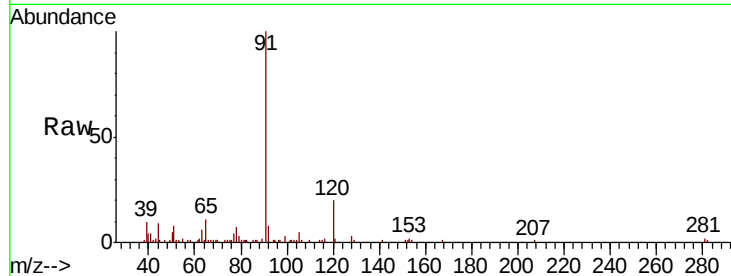
ClientSampleId :

Tot Ion: 91 Resp: 27554

Ion Ratio Lower Upper

91 100

120 20.3 11.2 33.5



#79

2-Chlorotoluene

Concen: 6.556 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF060822.D

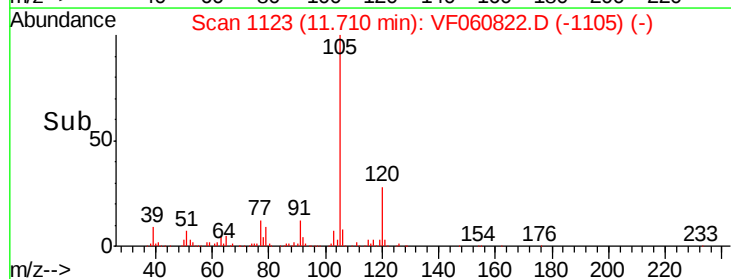
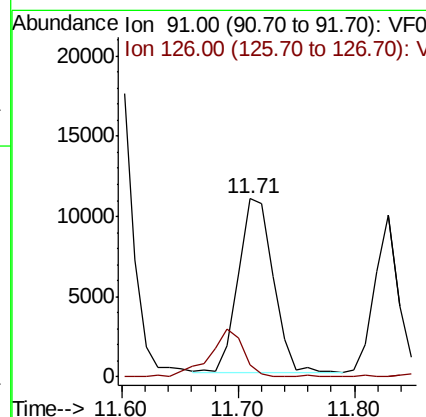
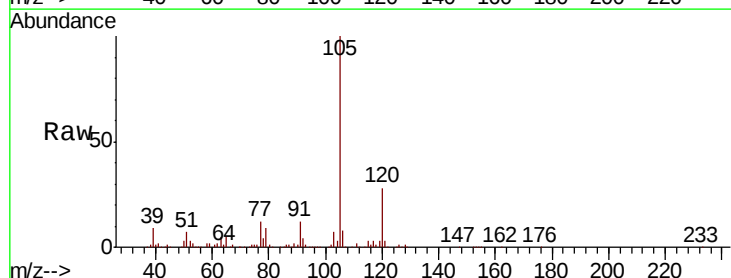
Acq: 21 Nov 2018 00:26

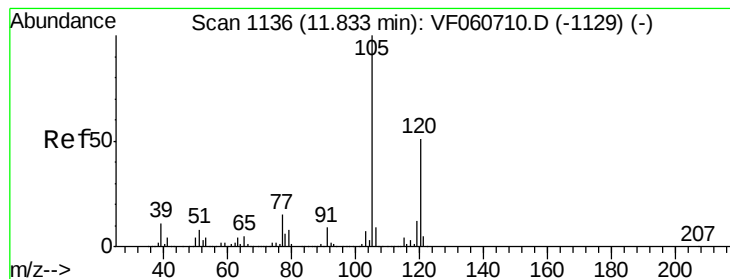
Tgt Ion: 91 Resp: 22397

Ion Ratio Lower Upper

91 100

126 6.7 16.8 50.4#





#80

1,3,5-Trimethylbenzene

Concen: 33.317 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

Instrument :

MSVOA\_F

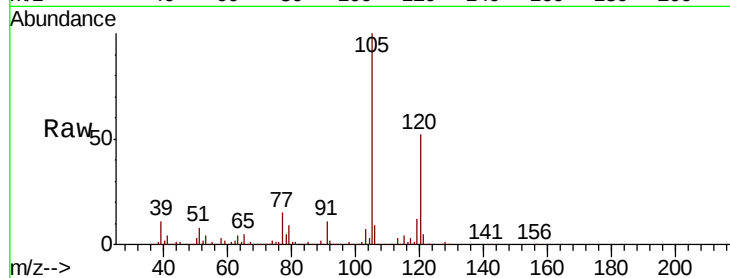
ClientSampleId :

Tot Ion:105 Resp: 133300

Ion Ratio Lower Upper

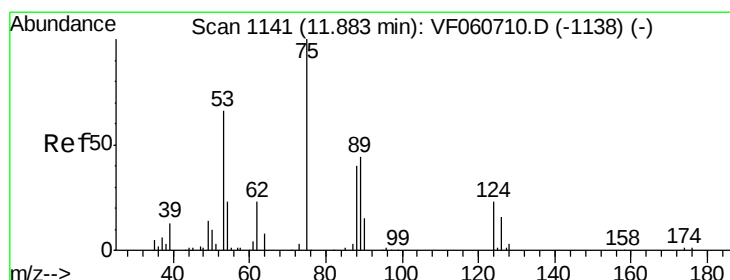
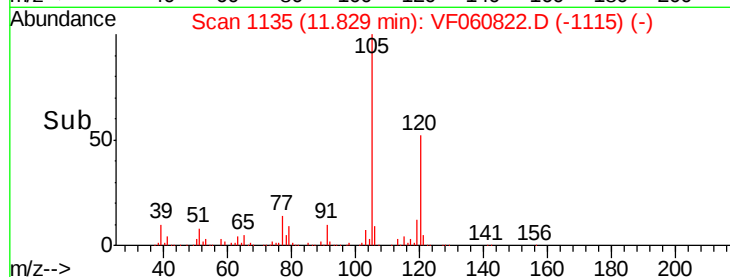
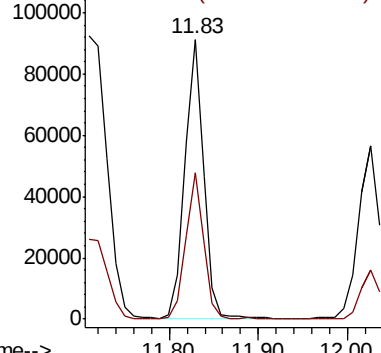
105 100

120 52.2 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 3.546 ug/l

RT: 11.91 min Scan# 1143

Delta R.T. 0.03 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

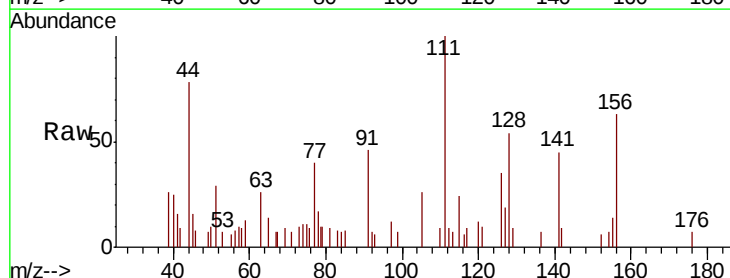
Tgt Ion: 75 Resp: 1078

Ion Ratio Lower Upper

75 100

53 34.6 57.0 85.4#

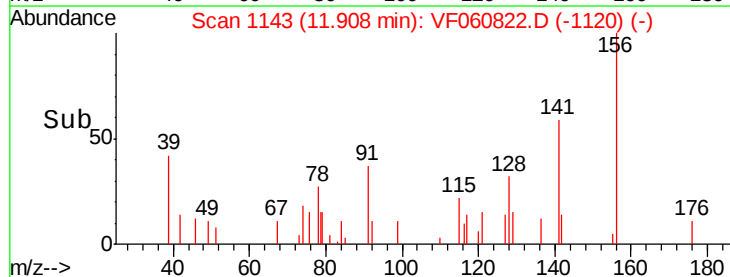
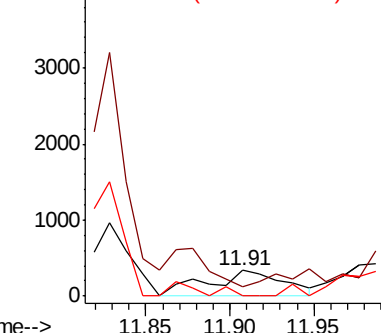
89 0.0 37.8 56.8#

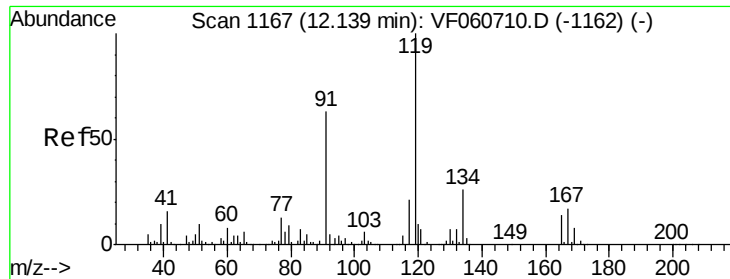


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

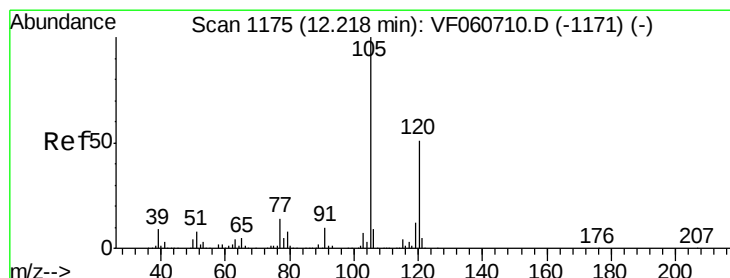
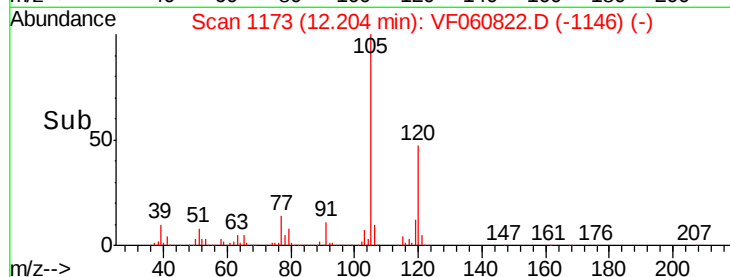
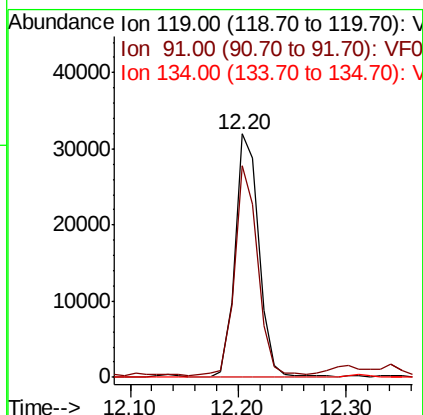
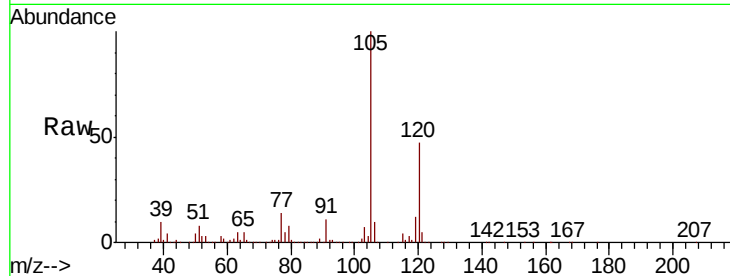




#83  
tert-Butylbenzene  
Concen: 11.589 ug/l  
RT: 12.20 min Scan# 1173  
Delta R.T. 0.06 min  
Lab File: VF060822.D  
Acq: 21 Nov 2018 00:26

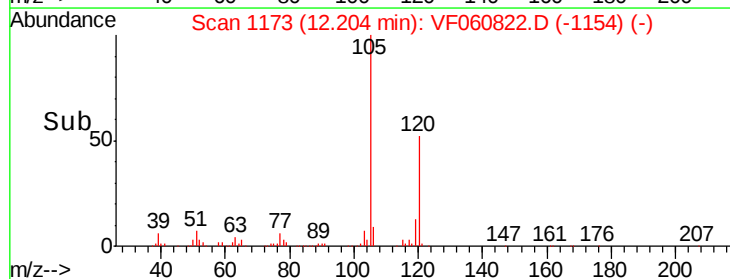
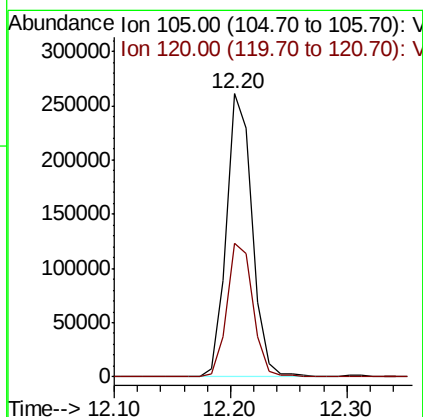
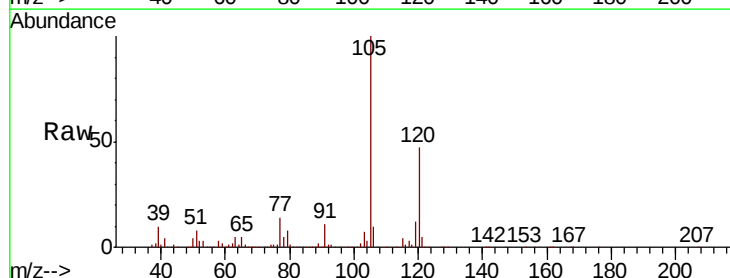
Instrument :  
MSVOA\_F  
ClientSampleId :

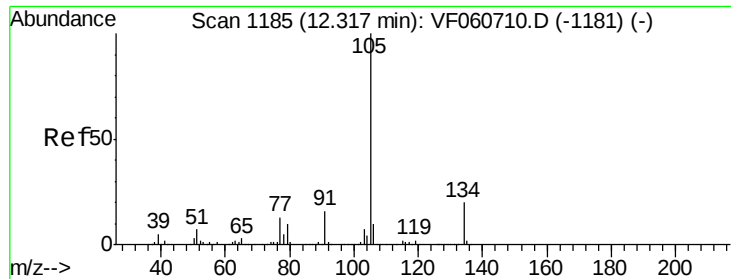
Tot Ion:119 Resp: 49233  
Ion Ratio Lower Upper  
119 100  
91 87.1 31.4 94.3  
134 0.0 12.8 38.4#



#84  
1,2,4-Trimethylbenzene  
Concen: 97.132 ug/l  
RT: 12.20 min Scan# 1173  
Delta R.T. -0.01 min  
Lab File: VF060822.D  
Acq: 21 Nov 2018 00:26

Tgt Ion:105 Resp: 401924  
Ion Ratio Lower Upper  
105 100  
120 47.1 25.5 76.5





#85

sec-Butylbenzene

Concen: 69.746 ug/l

RT: 12.20 min Scan# 1173

Delta R.T. -0.11 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

Instrument :

MSVOA\_F

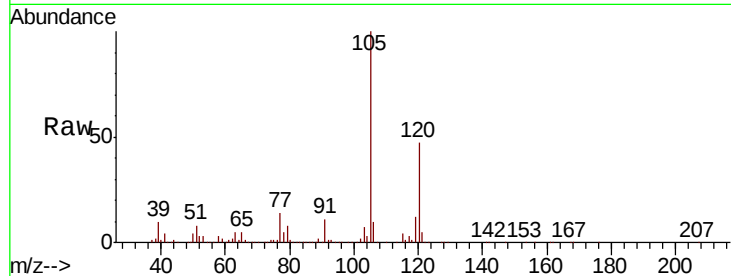
ClientSampleId :

Tot Ion:105 Resp: 401924

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.20

250000

200000

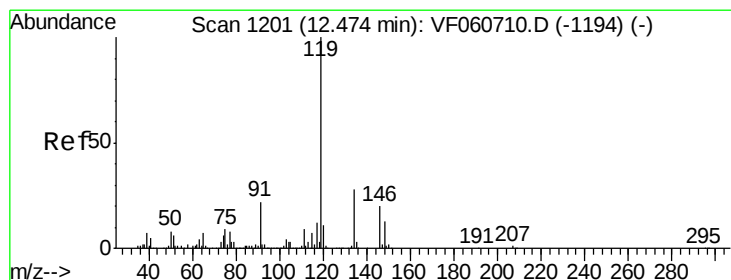
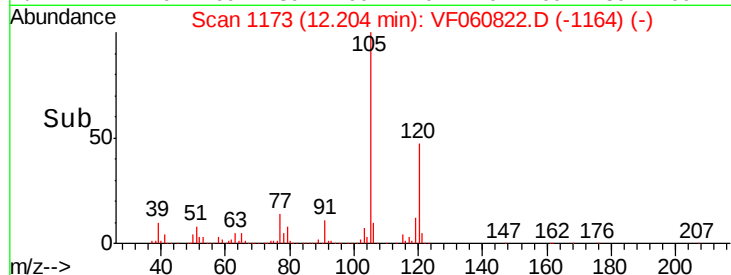
150000

100000

50000

0

Time--> 12.10 12.20 12.30



#86

p-Isopropyltoluene

Concen: 25.012 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

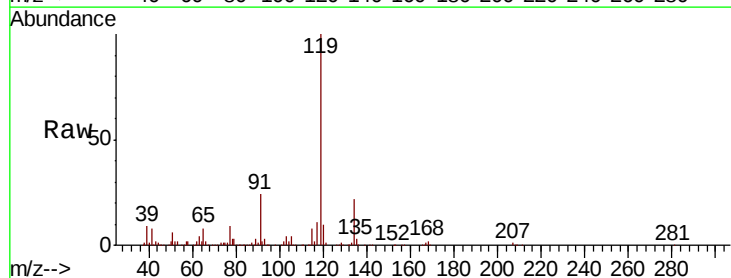
Tgt Ion:119 Resp: 120380

Ion Ratio Lower Upper

119 100

134 22.1 13.9 41.7

91 23.8 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.46

100000

80000

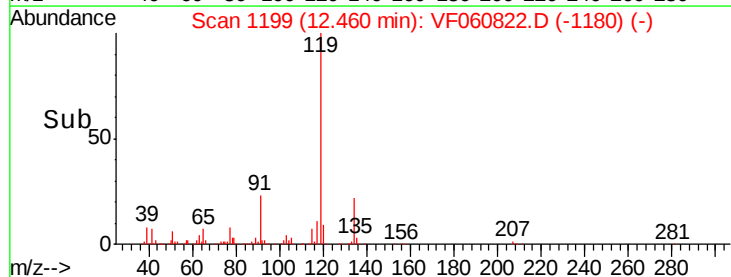
60000

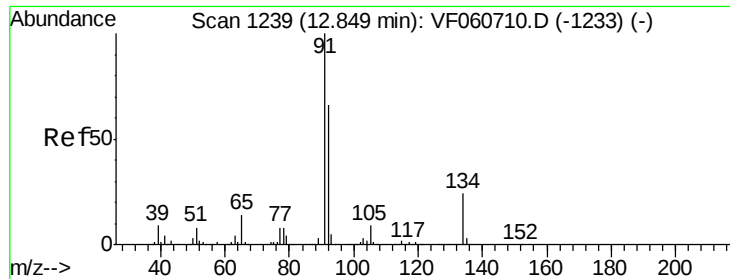
40000

20000

0

Time--> 12.30 12.40 12.50

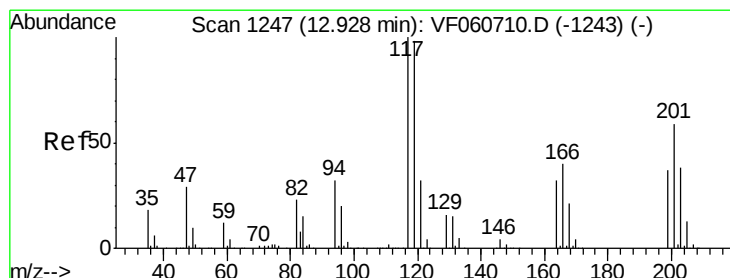
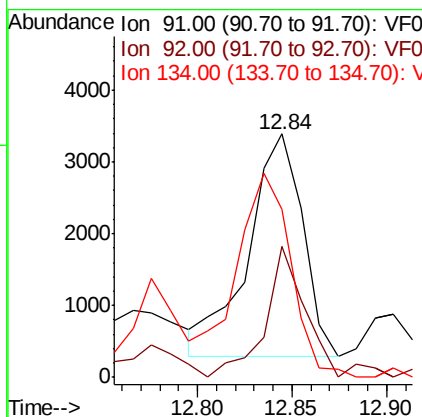
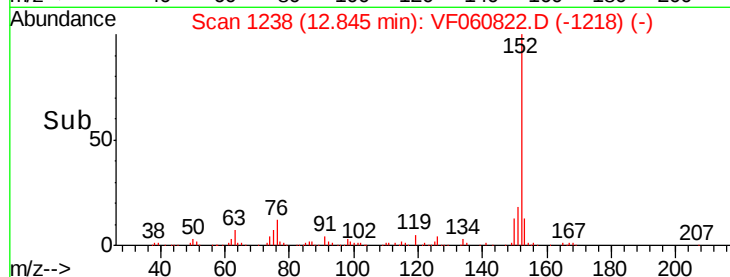
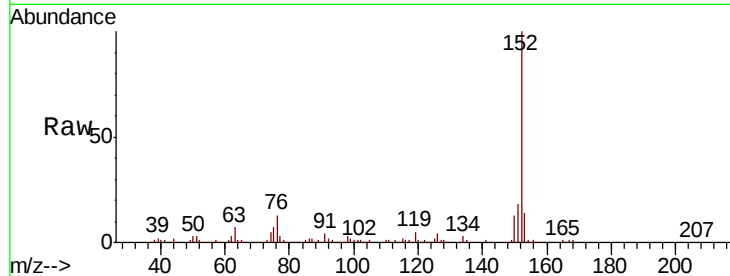




#89  
n-Butylbenzene  
Concen: 1.267 ug/l  
RT: 12.84 min Scan# 1238  
Delta R.T. -0.00 min  
Lab File: VF060822.D  
Acq: 21 Nov 2018 00:26

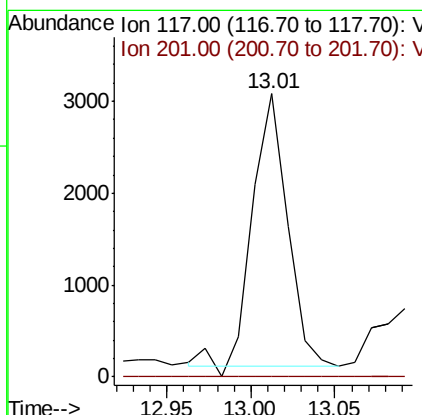
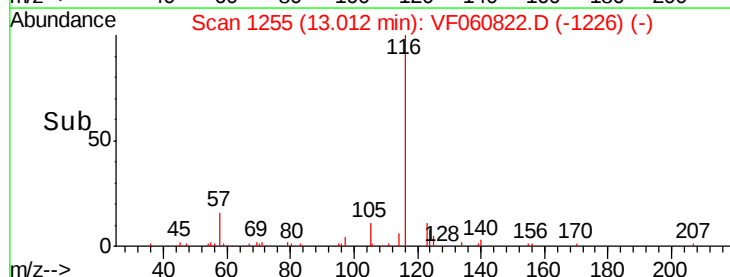
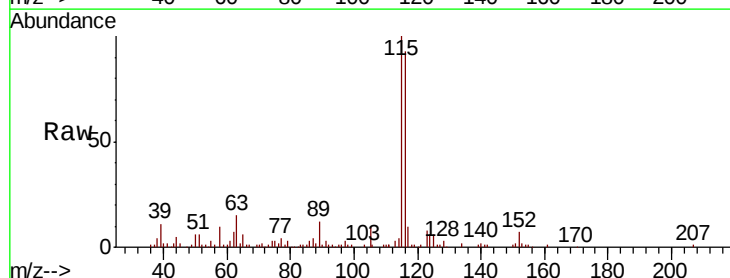
Instrument :  
MSVOA\_F  
ClientSampleId :

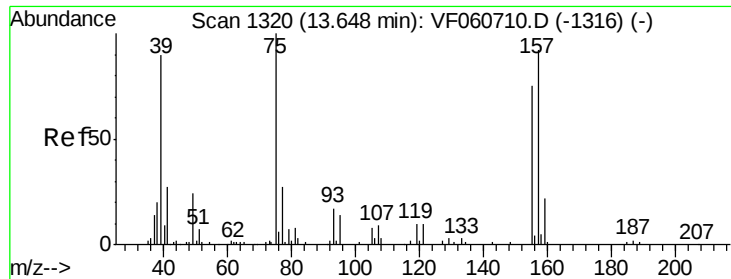
Tot Ion: 91 Resp: 6225  
Ion Ratio Lower Upper  
91 100  
92 53.8 33.1 99.2  
134 69.2 11.9 35.9#



#90  
Hexachloroethane  
Concen: 3.621 ug/l  
RT: 13.01 min Scan# 1255  
Delta R.T. 0.08 min  
Lab File: VF060822.D  
Acq: 21 Nov 2018 00:26

Tgt Ion: 117 Resp: 4263  
Ion Ratio Lower Upper  
117 100  
201 0.0 29.4 88.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 21.500 ug/l

RT: 13.66 min Scan# 1321

Delta R.T. 0.02 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

Instrument :

MSVOA\_F

ClientSampleId :

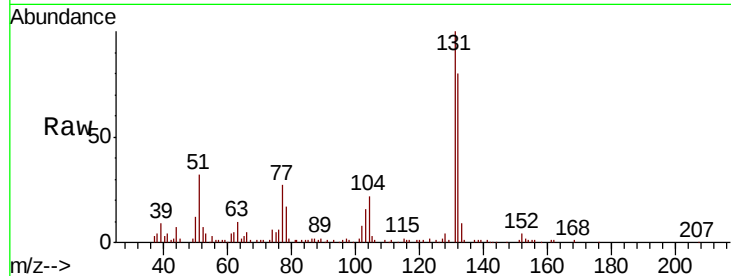
Tot Ion: 75 Resp: 3367

Ion Ratio Lower Upper

75 100

155 16.4 37.4 112.2#

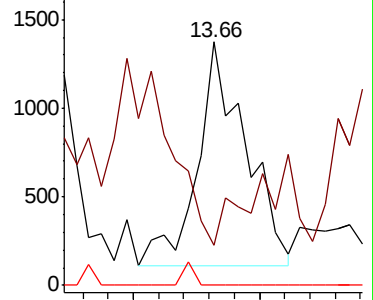
157 0.0 46.0 138.0#



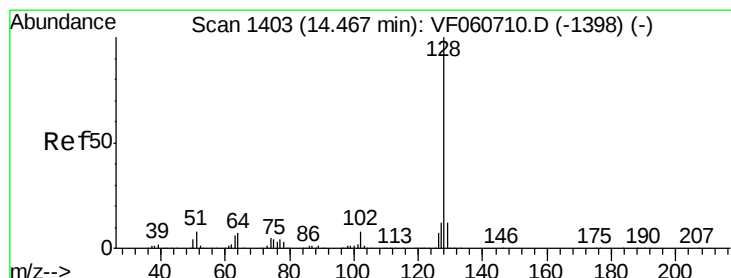
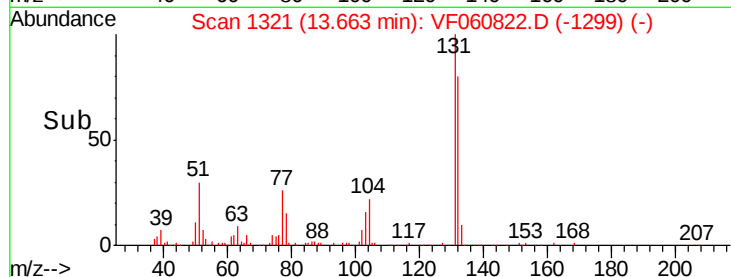
Abundance Ion 75.00 (74.70 to 75.70): VF060710.D (-1316) (-)

Ion 155.00 (154.70 to 155.70): VF060710.D (-1316) (-)

Ion 157.00 (156.70 to 157.70): VF060710.D (-1316) (-)



Time-->



#95

Naphthalene

Concen: 1962.819 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. -0.00 min

Lab File: VF060822.D

Acq: 21 Nov 2018 00:26

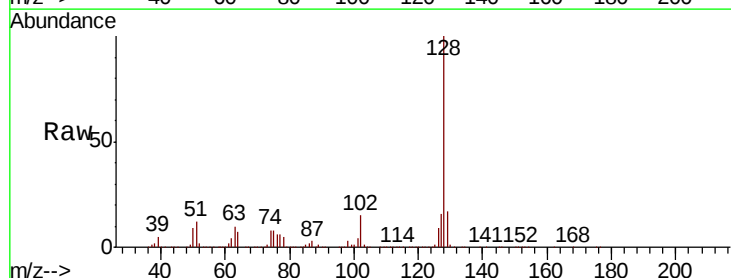
Tgt Ion:128 Resp: 5059901

Ion Ratio Lower Upper

128 100

127 16.4 9.8 14.6#

129 17.4 9.3 13.9#



Abundance Ion 128.00 (127.70 to 128.70): VF060710.D (-1398) (-)

Ion 127.00 (126.70 to 127.70): VF060710.D (-1398) (-)

Ion 129.00 (128.70 to 129.70): VF060710.D (-1398) (-)

