

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\  
 Data File : VF062714.D  
 Acq On : 22 May 2019 19:09  
 Operator : FY/SY  
 Sample : K3002-06RE  
 Misc : 5.01µ/5mL/MSVOA F/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 22-C4-20190401RE

Quant Time: May 23 01:24:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F051619S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 17 05:49:09 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.04  | 168  | 107654   | 50.00 | ug/l  | -0.02    |
| 34) 1,4-Difluorobenzene    | 5.76  | 114  | 140772   | 50.00 | ug/l  | -0.02    |
| 63) Chlorobenzene-d5       | 9.89  | 117  | 68632    | 50.00 | ug/l  | -0.02    |
| 72) 1,4-Dichlorobenzene-d4 | 12.60 | 152  | 16255    | 50.00 | ug/l  | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.01  | 65   | 12301    | 16.17 | ug/l   | -0.02    |
| Spiked Amount               |       |      | Recovery | =     | 32.34% |          |
| 35) Dibromofluoromethane    | 4.29  | 113  | 33889    | 31.46 | ug/l   | -0.02    |
| Spiked Amount               |       |      | Recovery | =     | 62.92% |          |
| 50) Toluene-d8              | 7.70  | 98   | 101656   | 39.53 | ug/l   | -0.01    |
| Spiked Amount               |       |      | Recovery | =     | 79.06% |          |
| 62) 4-Bromofluorobenzene    | 11.48 | 95   | 19306    | 19.79 | ug/l   | -0.02    |
| Spiked Amount               |       |      | Recovery | =     | 39.58% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 6) Chloroethane                | 1.45  | 64   | 788      | 1.728     | ug/l # | 34     |
| 8) Diethyl Ether               | 1.75  | 74   | 342      | 1.035     | ug/l   | 90     |
| 11) Tert butyl alcohol         | 2.72  | 59   | 1059     | 21.085    | ug/l # | 29     |
| 12) 1,1-Dichloroethene         | 1.86  | 96   | 1262     | 1.305     | ug/l # | 1      |
| 13) Acrolein                   | 2.17  | 56   | 713      | 13.600    | ug/l   | 85     |
| 14) Allyl chloride             | 2.17  | 41   | 1088     | 1.243     | ug/l # | 75     |
| 15) Acrylonitrile              | 3.07  | 53   | 880      | 6.211     | ug/l # | 31     |
| 16) Acetone                    | 2.32  | 43   | 279      | 1.414     | ug/l # | 73     |
| 17) Carbon Disulfide           | 1.87  | 76   | 7039     | 2.456     | ug/l # | 90     |
| 20) Methylene Chloride         | 2.30  | 84   | 2777     | 2.807     | ug/l # | 77     |
| 25) 2-Butanone                 | 4.40  | 43   | 540      | 1.281     | ug/l   | 92     |
| 29) Tetrahydrofuran            | 4.27  | 42   | 366      | 2.145     | ug/l # | 1      |
| 37) Ethyl Acetate              | 4.29  | 43   | 1456     | 2.472     | ug/l # | 33     |
| 41) Methacrylonitrile          | 4.90  | 41   | 650      | 2.105     | ug/l # | 47     |
| 48) Methyl methacrylate        | 6.87  | 41   | 1579     | 3.959     | ug/l # | 33     |
| 49) 1,4-Dioxane                | 6.86  | 88   | 208      | 40.720    | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 8.41  | 43   | 2240     | 4.295     | ug/l # | 67     |
| 56) Ethyl methacrylate         | 8.76  | 69   | 8591     | 11.817    | ug/l # | 66     |
| 59) 2-Hexanone                 | 9.73  | 43   | 202      | Below Cal |        | 92     |
| 68) m/p-Xylenes                | 10.25 | 106  | 1927     | 2.189     | ug/l # | 66     |
| 69) o-Xylene                   | 10.80 | 106  | 1187     | 1.309     | ug/l   | 43     |
| 73) Isopropylbenzene           | 11.21 | 105  | 1379     | 1.184     | ug/l   | 80     |
| 74) N-amyl acetate             | 11.34 | 43   | 8806     | 27.252    | ug/l # | 1      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.80 | 83   | 308      | 1.294     | ug/l # | 23     |
| 76) 1,2,3-Trichloropropane     | 11.89 | 75   | 871      | 5.568     | ug/l # | 5      |
| 80) 1,3,5-Trimethylbenzene     | 11.88 | 105  | 8779     | 9.398     | ug/l   | 91     |
| 81) trans-1,4-Dichloro-2-buten | 11.94 | 75   | 250      | 3.595     | ug/l # | 35     |
| 82) 4-Chlorotoluene            | 12.06 | 91   | 1357     | 1.771     | ug/l   | 87     |
| 84) 1,2,4-Trimethylbenzene     | 12.26 | 105  | 12657    | 13.999    | ug/l   | 93     |
| 85) sec-Butylbenzene           | 12.36 | 105  | 2044     | 1.607     | ug/l   | 98     |
| 86) p-Isopropyltoluene         | 12.50 | 119  | 1514     | 1.412     | ug/l # | 78     |
| 89) n-Butylbenzene             | 12.88 | 91   | 4197     | 3.971     | ug/l # | 55     |
| 92) 1,2-Dibromo-3-Chloropropan | 13.67 | 75   | 241      | 8.485     | ug/l # | 23     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\  
Data File : VF062714.D  
Acq On : 22 May 2019 19:09  
Operator : FY/SY  
Sample : K3002-06RE  
Misc : 5.01g/5mL/MSVOA F/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
22-C4-20190401RE

Quant Time: May 23 01:24:24 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F051619S.M  
Quant Title : SW846 8260  
QLast Update : Fri May 17 05:49:09 2019  
Response via : Initial Calibration

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

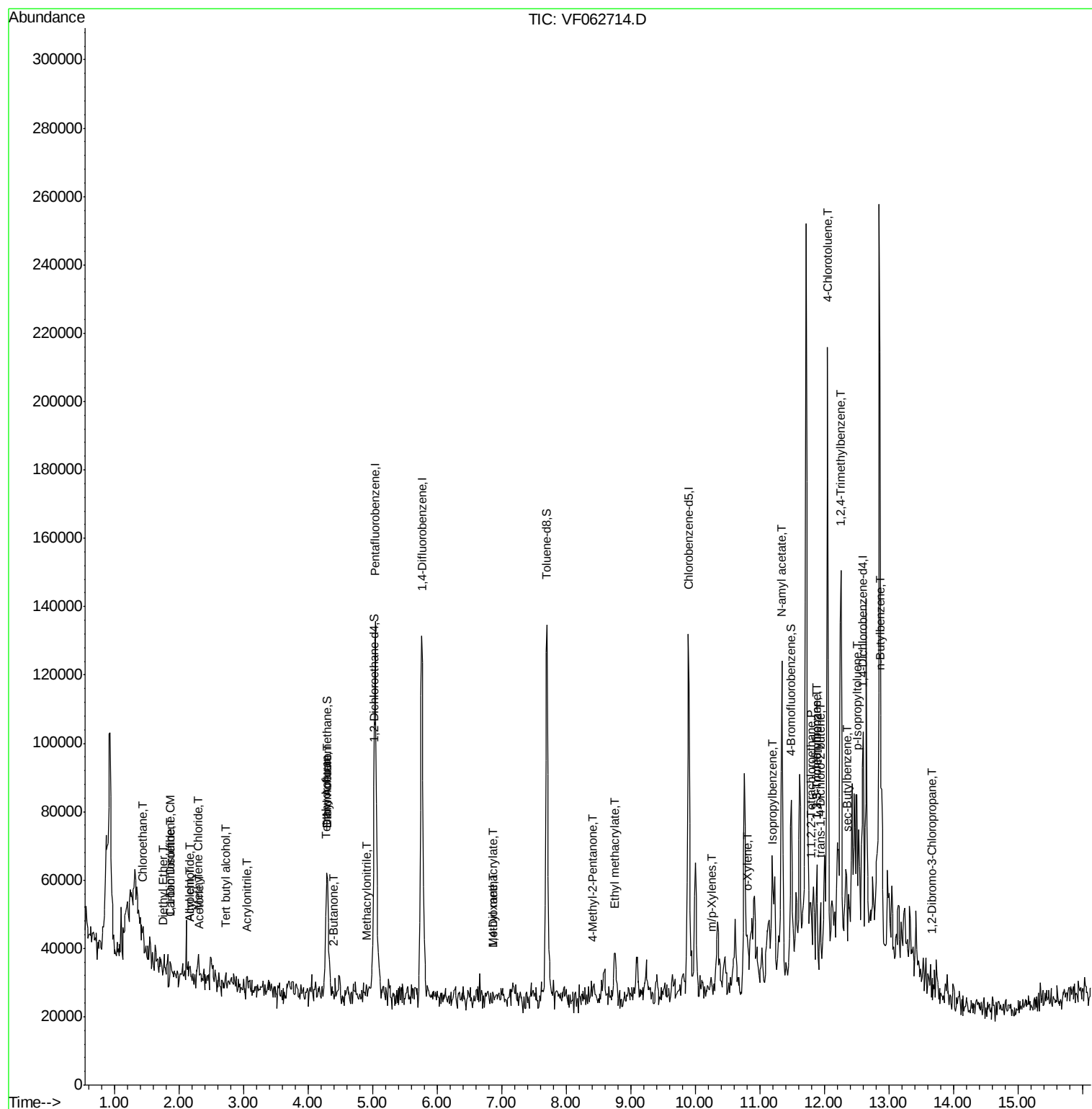
-----

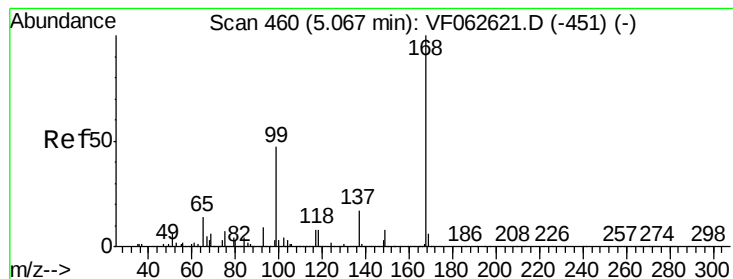
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052219\  
Data File : VF062714.D  
Acq On : 22 May 2019 19:09  
Operator : FY/SY  
Sample : K3002-06RE  
Misc : 5.01µ/5mL/MSVOA F/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
22-C4-20190401RE

Quant Time: May 23 01:24:24 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F051619S.M  
Quant Title : SW846 8260  
QLast Update : Fri May 17 05:49:09 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF062714.D

Acq: 22 May 2019 19:09

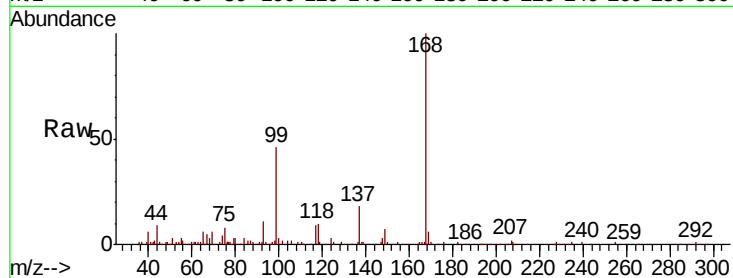
Instrument :  
MSVOA\_F  
ClientSampleId :  
22-C4-20190401RE

Tot Ion:168 Resp: 107654

Ion Ratio Lower Upper

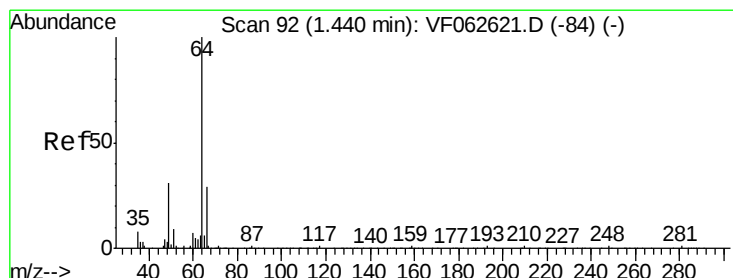
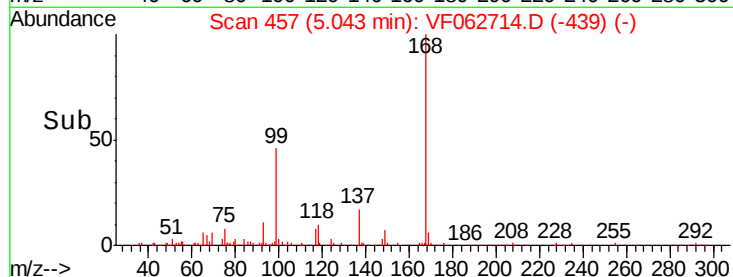
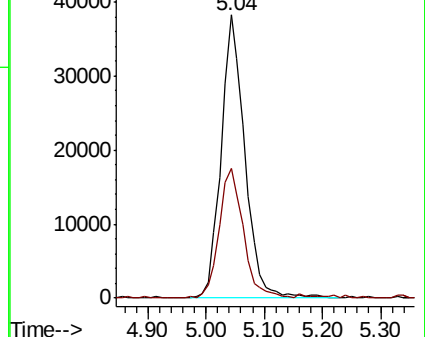
168 100

99 45.7 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#6

Chloroethane

Concen: 1.728 ug/l

RT: 1.45 min Scan# 92

Delta R.T. 0.01 min

Lab File: VF062714.D

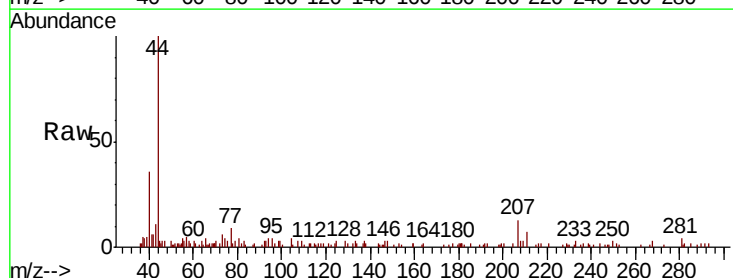
Acq: 22 May 2019 19:09

Tgt Ion: 64 Resp: 788

Ion Ratio Lower Upper

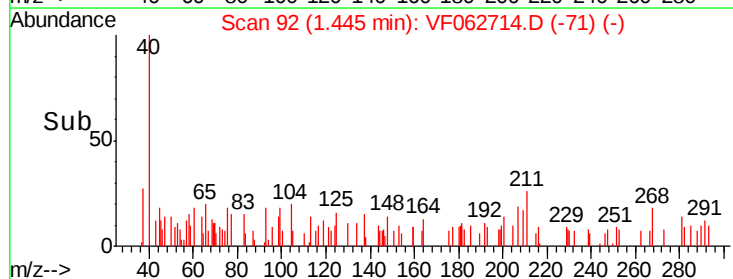
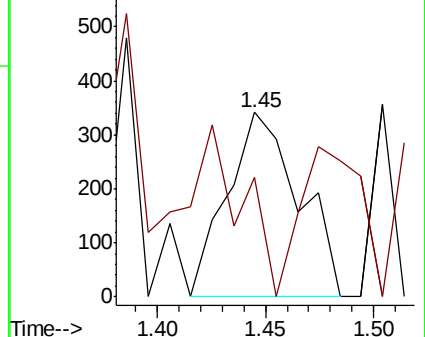
64 100

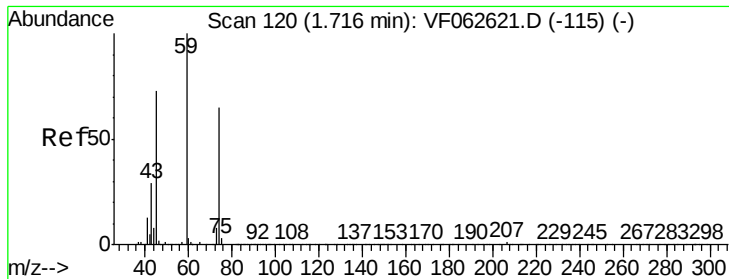
66 64.6 23.4 35.2#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#8

Diethyl Ether

Concen: 1.035 ug/l

RT: 1.75 min Scan# 123

Delta R.T. 0.03 min

Lab File: VF062714.D

Acq: 22 May 2019 19:09

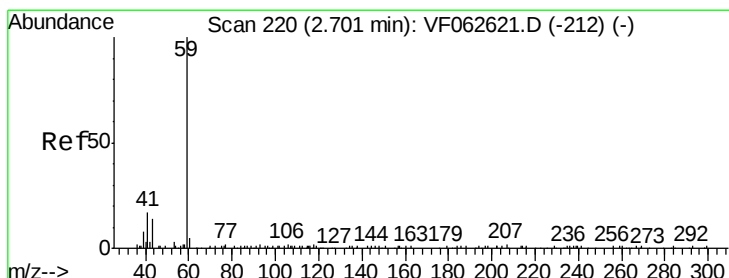
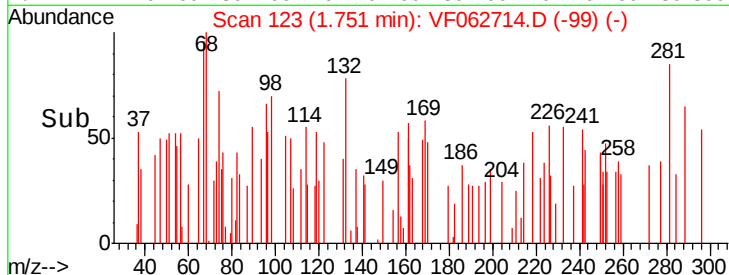
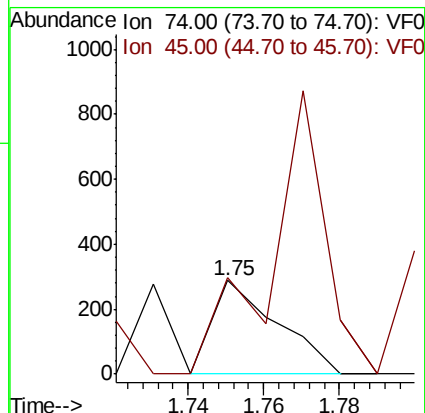
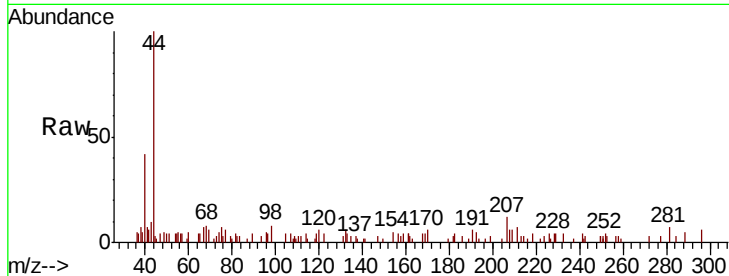
Instrument :  
MSVOA\_F  
ClientSampleId :  
22-C4-20190401RE

Tot Ion: 74 Resp: 342

Ion Ratio Lower Upper

74 100

45 102.8 57.0 170.8



#11

Tert butyl alcohol

Concen: 21.085 ug/l

RT: 2.72 min Scan# 221

Delta R.T. 0.02 min

Lab File: VF062714.D

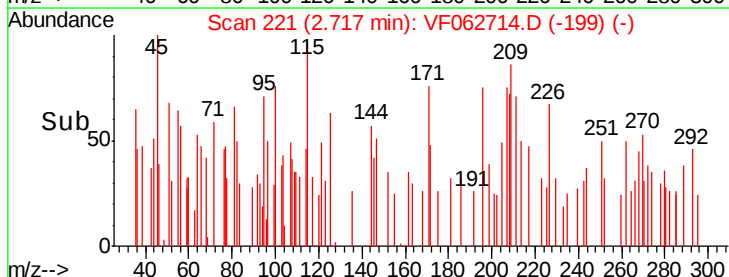
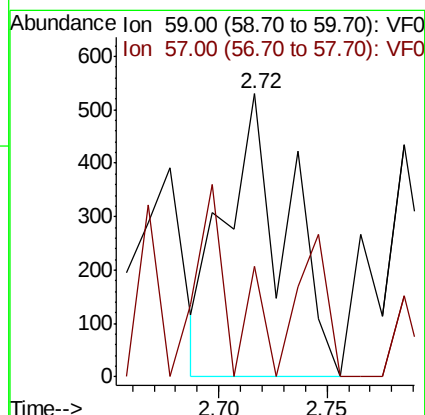
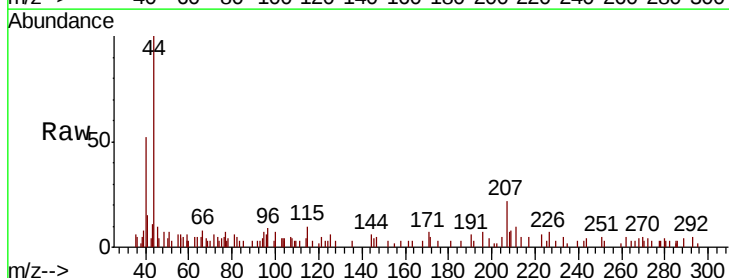
Acq: 22 May 2019 19:09

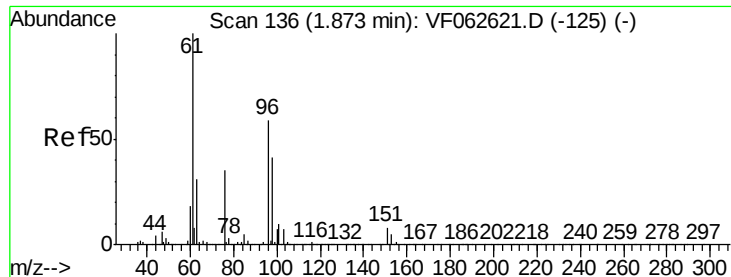
Tgt Ion: 59 Resp: 1059

Ion Ratio Lower Upper

59 100

57 39.1 9.3 13.9#





#12

1,1-Dichloroethene

Concen: 1.305 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF062714.D

Acq: 22 May 2019 19:09

Instrument :  
MSVOA\_F  
ClientSampleId :  
22-C4-20190401RE

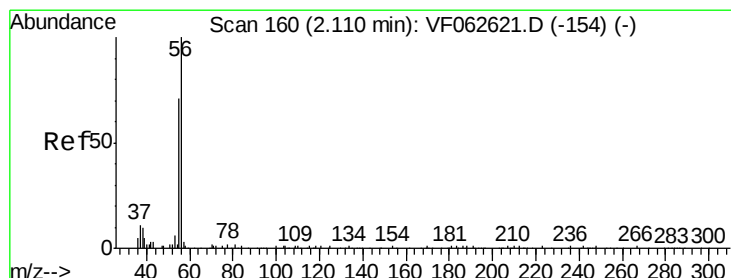
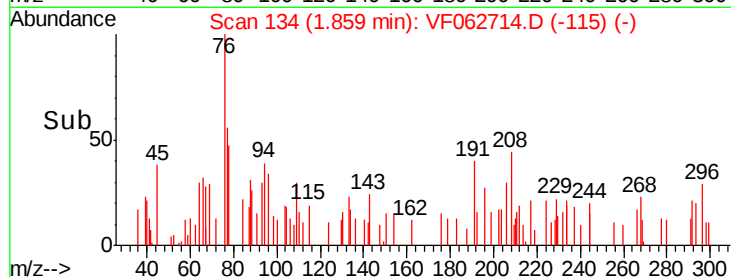
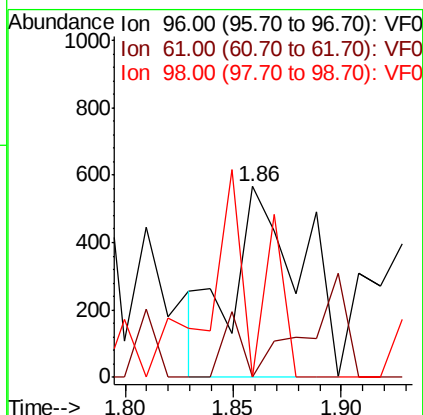
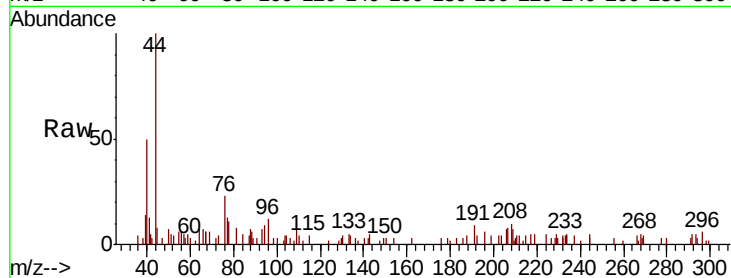
Tot Ion: 96 Resp: 1262

Ion Ratio Lower Upper

96 100

61 0.0 134.3 201.5#

98 25.0 55.0 82.6#



#13

Acrolein

Concen: 13.600 ug/l

RT: 2.17 min Scan# 166

Delta R.T. 0.06 min

Lab File: VF062714.D

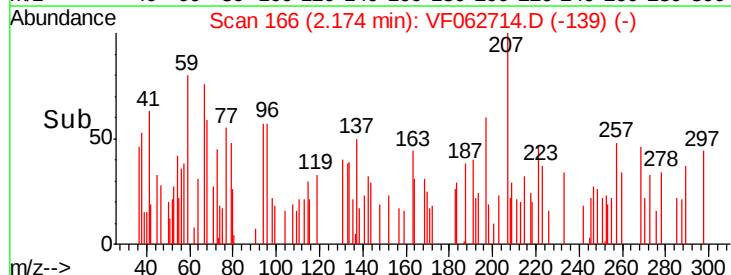
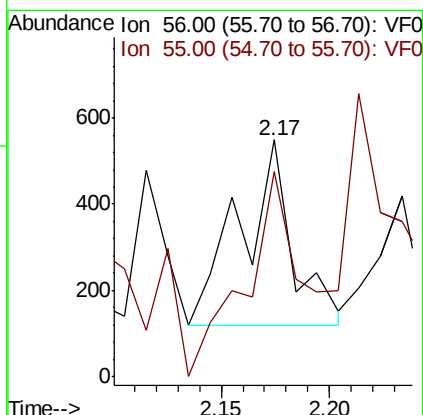
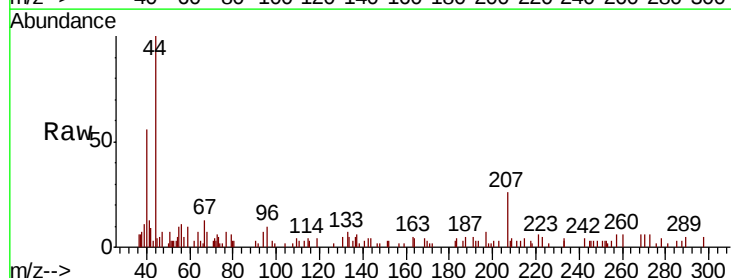
Acq: 22 May 2019 19:09

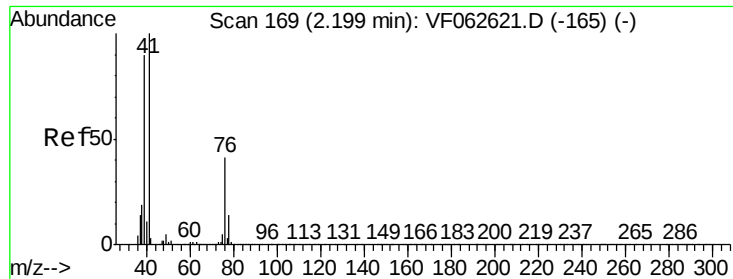
Tgt Ion: 56 Resp: 713

Ion Ratio Lower Upper

56 100

55 86.7 59.4 89.0

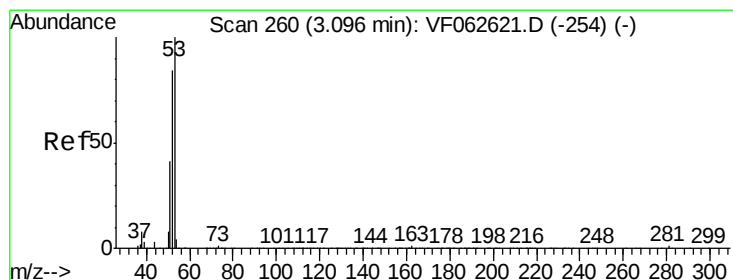
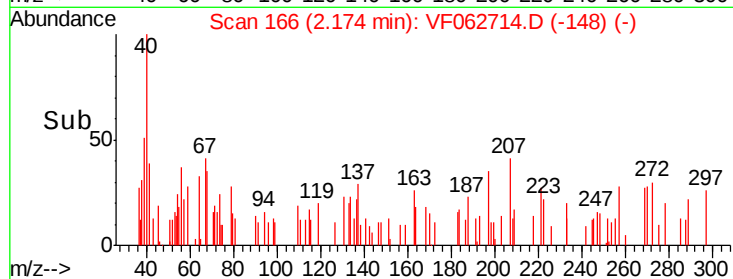
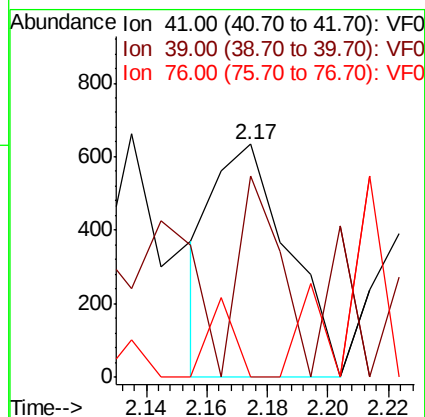
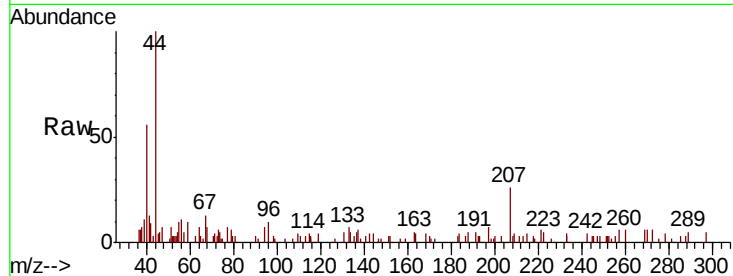




#14  
Allvl chloride  
Concen: 1.243 ug/l  
RT: 2.17 min Scan# 166  
Delta R.T. -0.02 min  
Lab File: VF062714.D  
Acq: 22 May 2019 19:09

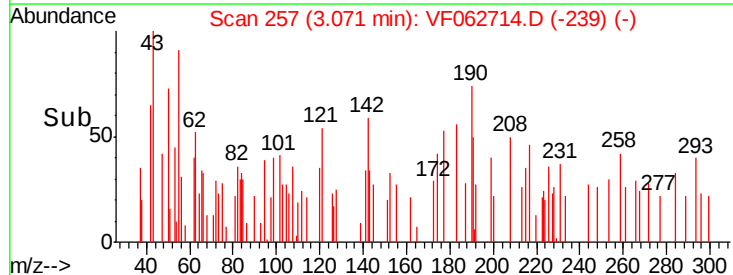
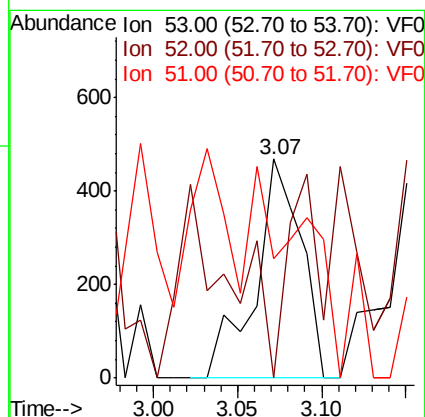
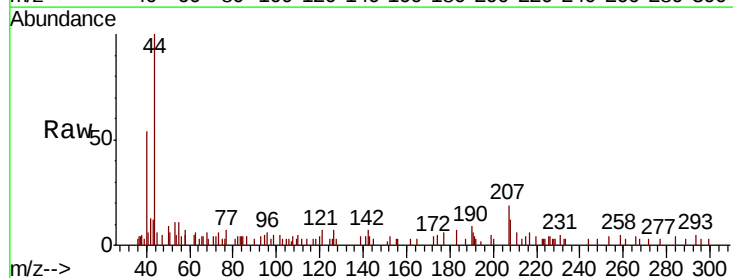
Instrument :  
MSVOA\_F  
ClientSampleId :  
22-C4-20190401RE

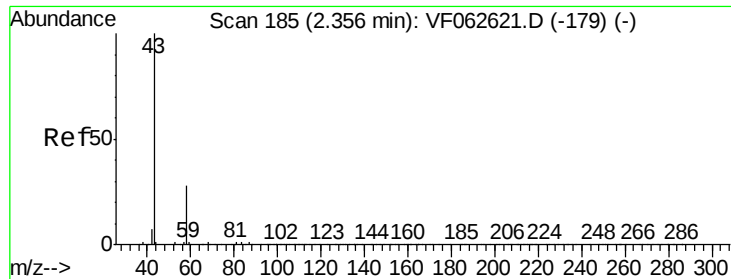
Tot Ion: 41 Resp: 1088  
Ion Ratio Lower Upper  
41 100  
39 86.3 72.0 108.0  
76 0.0 34.8 52.2#



#15  
Acrylonitrile  
Concen: 6.211 ug/l  
RT: 3.07 min Scan# 257  
Delta R.T. -0.02 min  
Lab File: VF062714.D  
Acq: 22 May 2019 19:09

Tgt Ion: 53 Resp: 880  
Ion Ratio Lower Upper  
53 100  
52 0.0 67.3 100.9#  
51 54.5 33.0 49.6#

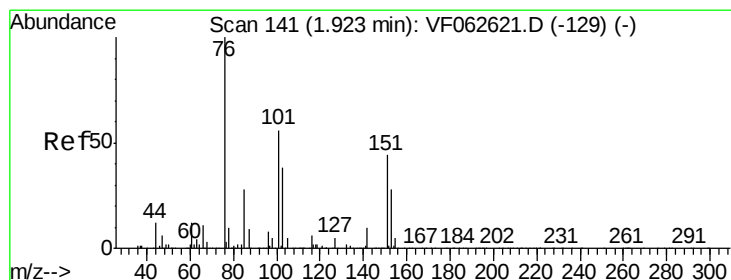
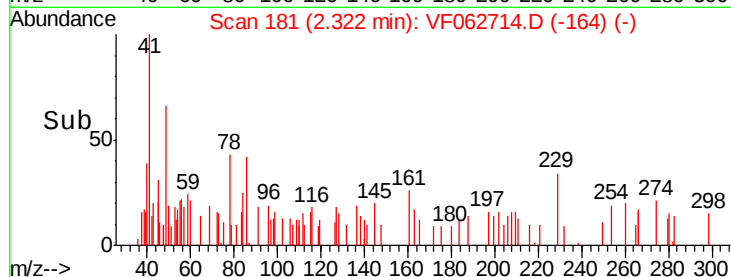
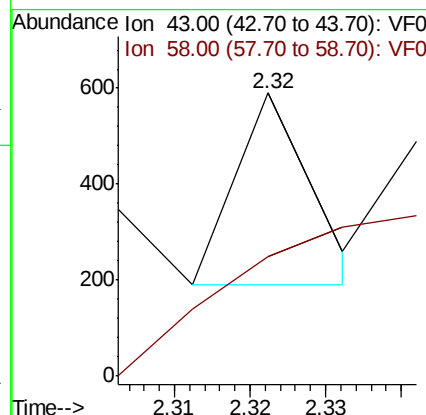
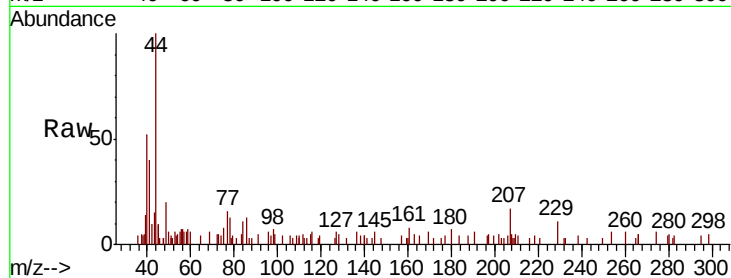




#16  
Acetone  
Concen: 1.414 ug/l  
RT: 2.32 min Scan# 181  
Delta R.T. -0.03 min  
Lab File: VF062714.D  
Acq: 22 May 2019 19:09

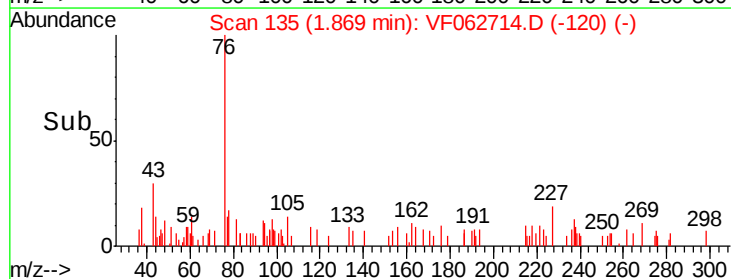
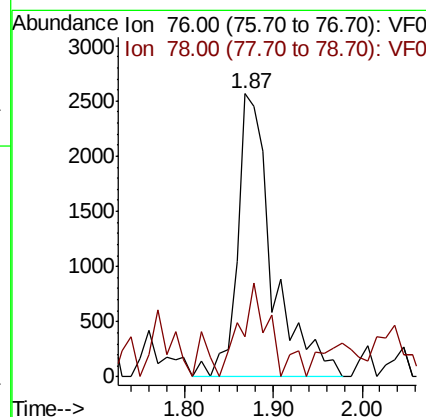
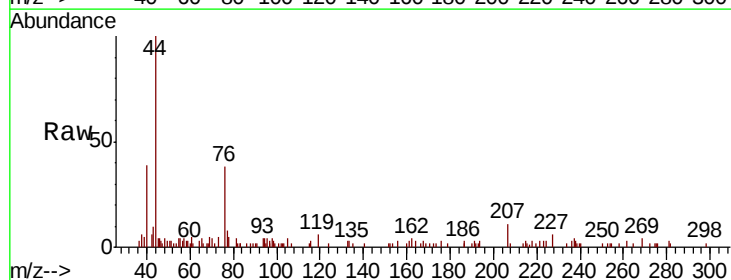
Instrument :  
MSVOA\_F  
ClientSampleId :  
22-C4-20190401RE

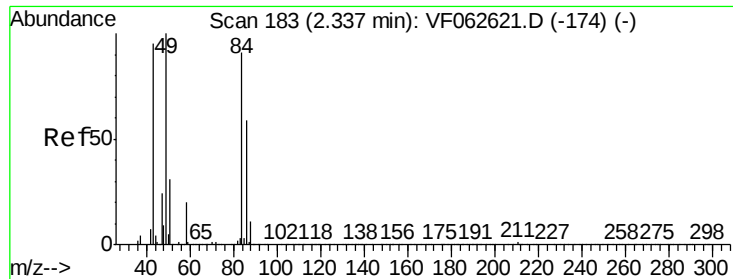
Tot Ion: 43 Resp: 279  
Ion Ratio Lower Upper  
43 100  
58 42.4 22.6 33.8#



#17  
Carbon Disulfide  
Concen: 2.456 ug/l  
RT: 1.87 min Scan# 135  
Delta R.T. -0.05 min  
Lab File: VF062714.D  
Acq: 22 May 2019 19:09

Tgt Ion: 76 Resp: 7039  
Ion Ratio Lower Upper  
76 100  
78 14.3 8.4 12.6#

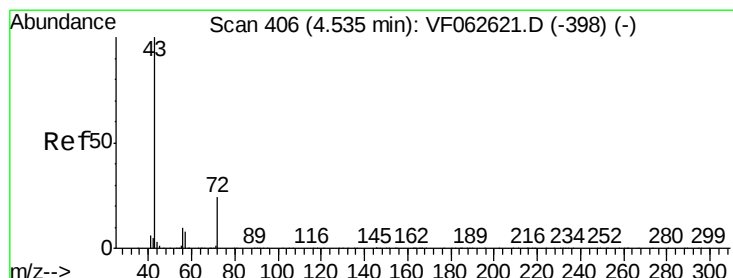
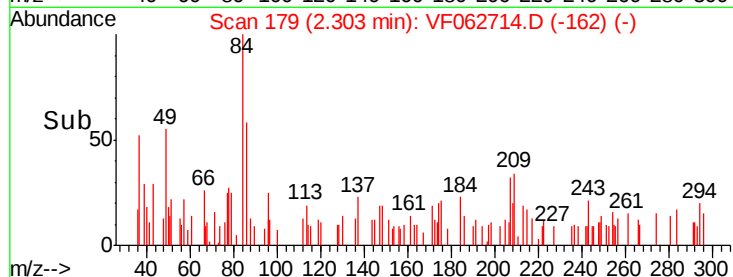
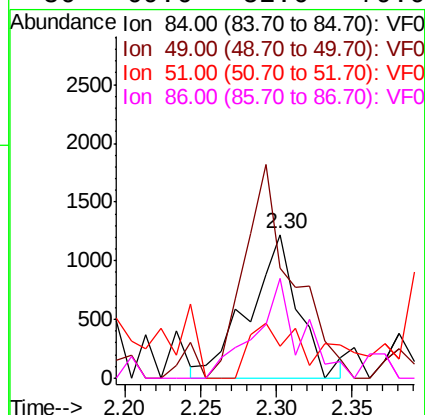
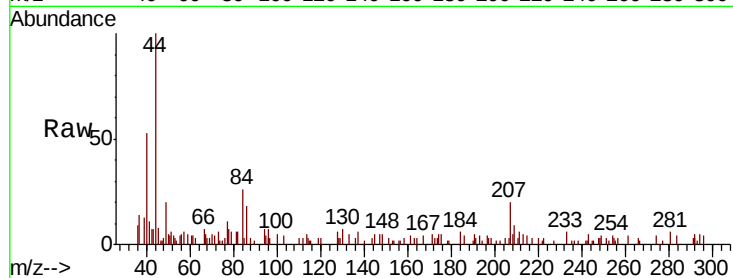




#20  
Methvlene Chloride  
Concen: 2.807 ug/l  
RT: 2.30 min Scan# 179  
Delta R.T. -0.03 min  
Lab File: VF062714.D  
Acq: 22 May 2019 19:09

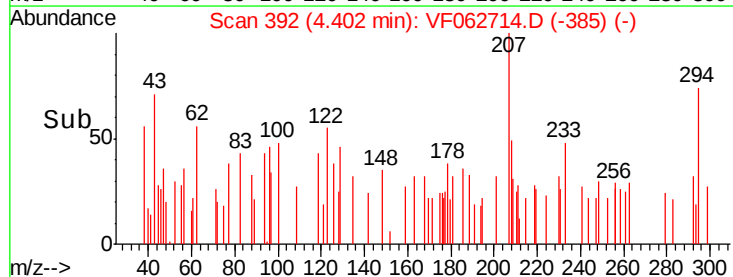
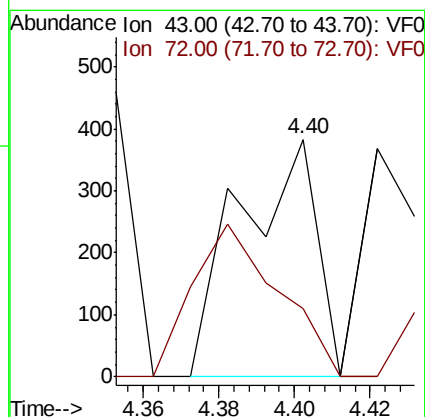
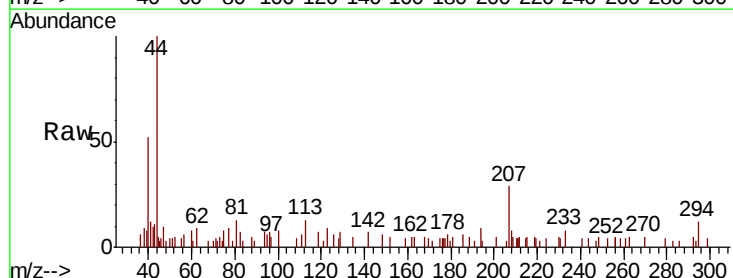
Instrument :  
MSVOA\_F  
ClientSampleId :  
22-C4-20190401RE

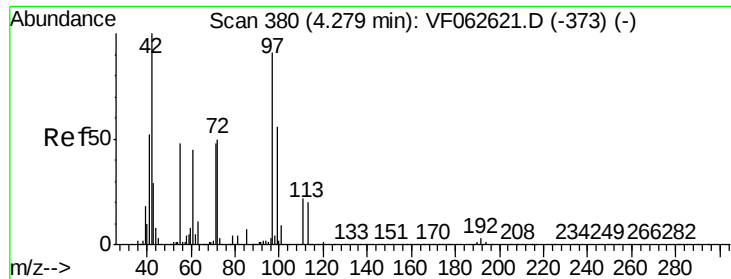
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 84    | Resp: | 2777   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 77.1  | 89.8  | 134.8# |
| 51       | 21.9  | 28.4  | 42.6#  |
| 86       | 69.6  | 52.6  | 79.0   |



#25  
2-Butanone  
Concen: 1.281 ug/l  
RT: 4.40 min Scan# 392  
Delta R.T. -0.13 min  
Lab File: VF062714.D  
Acq: 22 May 2019 19:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 540   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 29.0  | 20.1  | 30.1  |

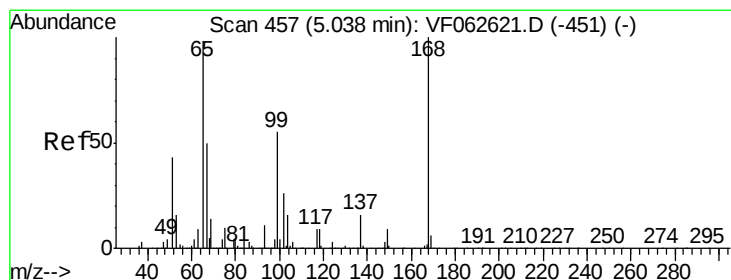
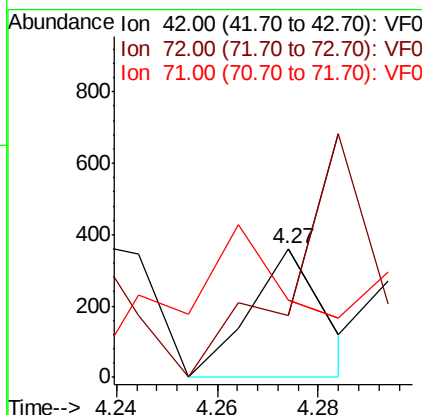
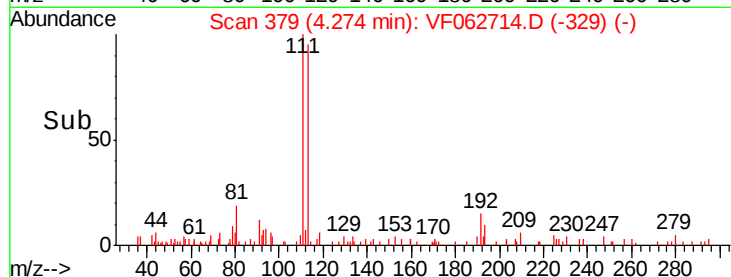
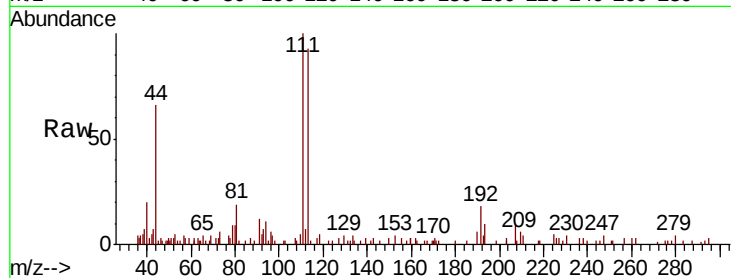




#29  
Tetrahydrofuran  
Concen: 2.145 ug/l  
RT: 4.27 min Scan# 379  
Delta R.T. -0.00 min  
Lab File: VF062714.D  
Acq: 22 May 2019 19:09

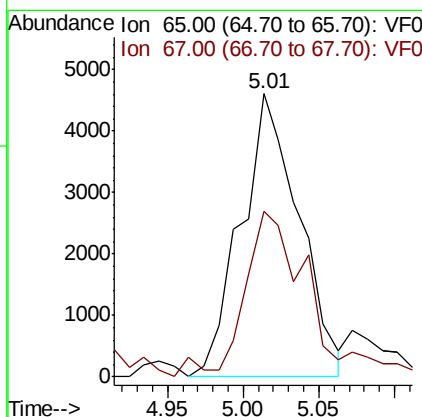
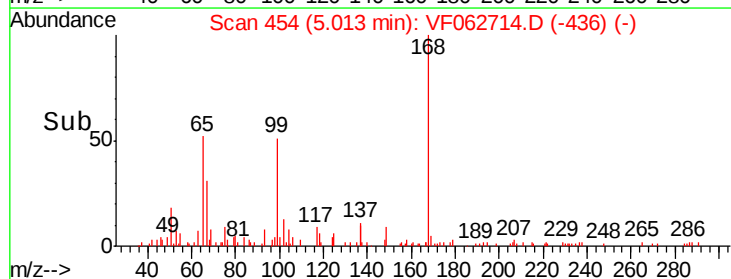
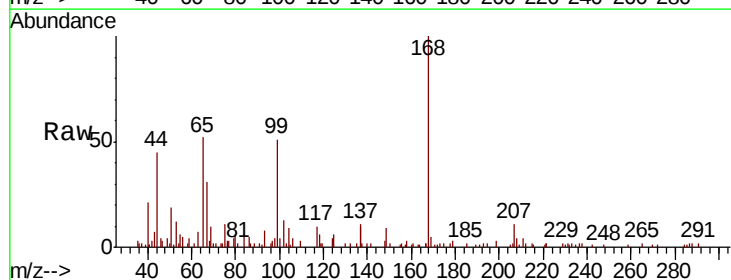
Instrument :  
MSVOA\_F  
ClientSampleId :  
22-C4-20190401RE

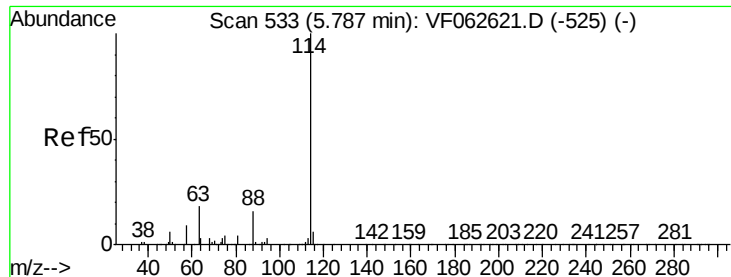
Tot Ion: 42 Resp: 366  
Ion Ratio Lower Upper  
42 100  
72 234.7 38.2 57.2#  
71 277.3 35.8 53.6#



#33  
1,2-Dichloroethane-d4  
Concen: 16.170 ug/l  
RT: 5.01 min Scan# 454  
Delta R.T. -0.02 min  
Lab File: VF062714.D  
Acq: 22 May 2019 19:09

Tgt Ion: 65 Resp: 12301  
Ion Ratio Lower Upper  
65 100  
67 58.6 0.0 117.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF062714.D

Acq: 22 May 2019 19:09

Instrument :

MSVOA\_F

ClientSampleId :

22-C4-20190401RE

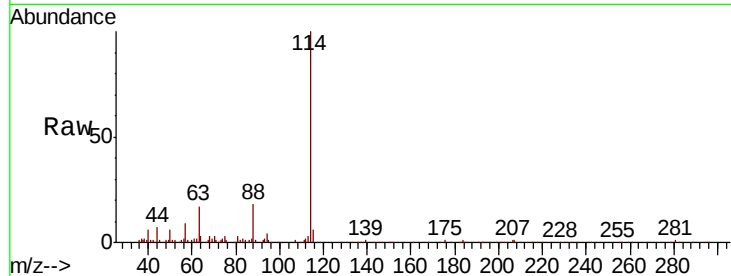
Tot Ion:114 Resp: 140772

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.4

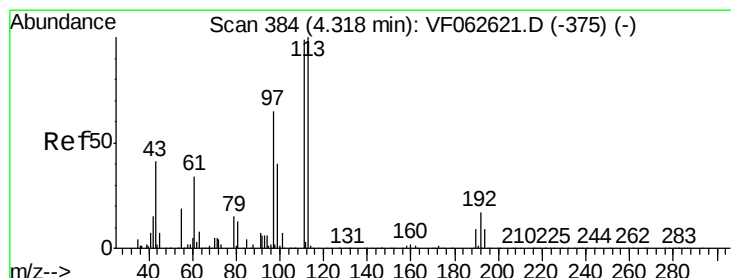
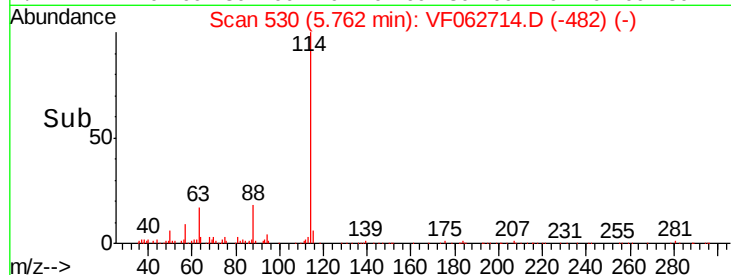
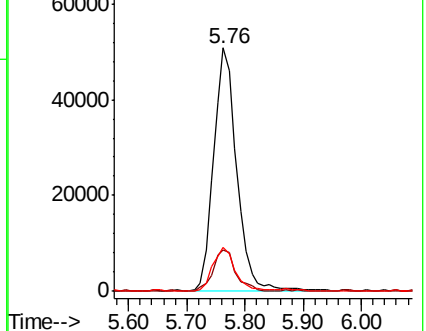
88 18.1 0.0 32.4



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: 31.460 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.02 min

Lab File: VF062714.D

Acq: 22 May 2019 19:09

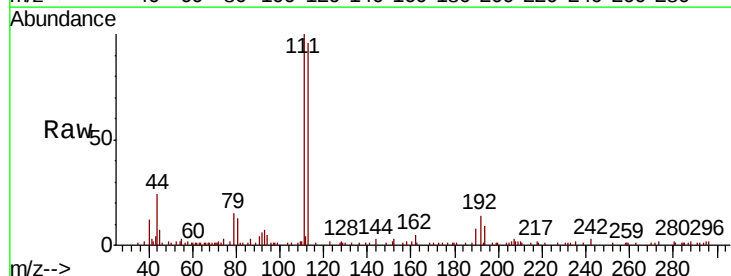
Tgt Ion:113 Resp: 33889

Ion Ratio Lower Upper

113 100

111 103.8 79.4 119.2

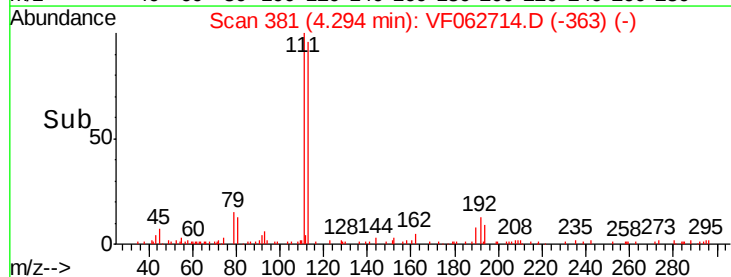
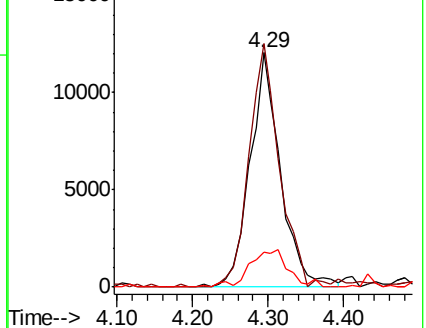
192 14.8 13.4 20.2

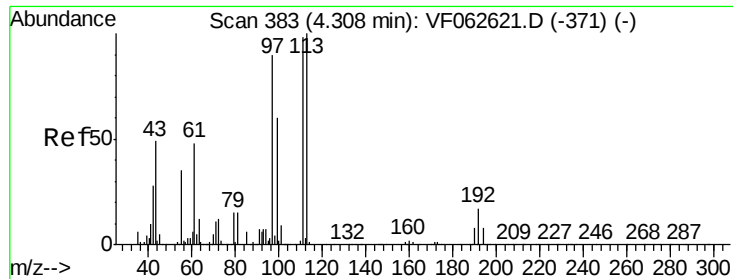


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

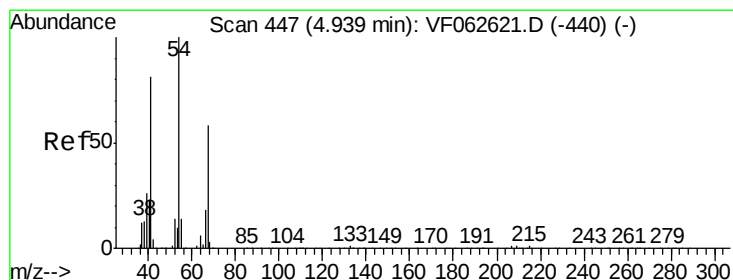
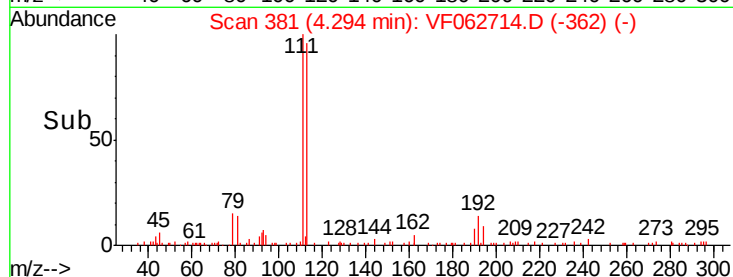
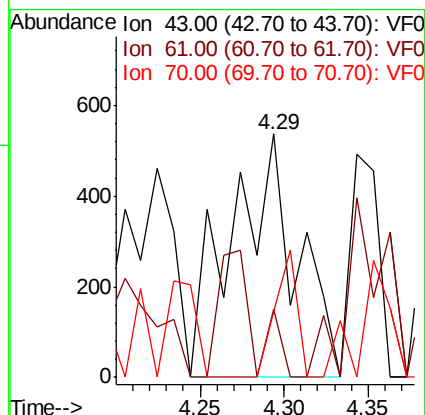
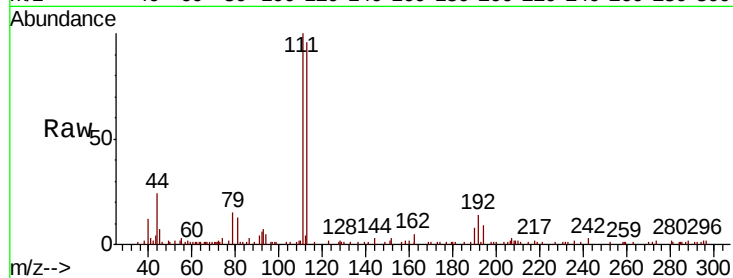




#37  
Ethyl Acetate  
Concen: 2.472 ug/l  
RT: 4.29 min Scan# 381  
Delta R.T. -0.01 min  
Lab File: VF062714.D  
Acq: 22 May 2019 19:09

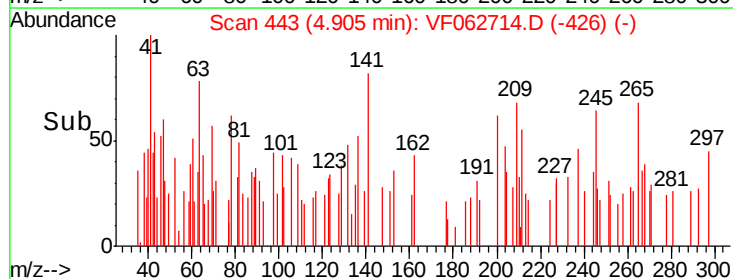
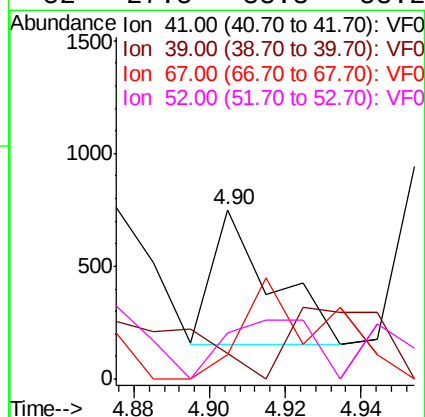
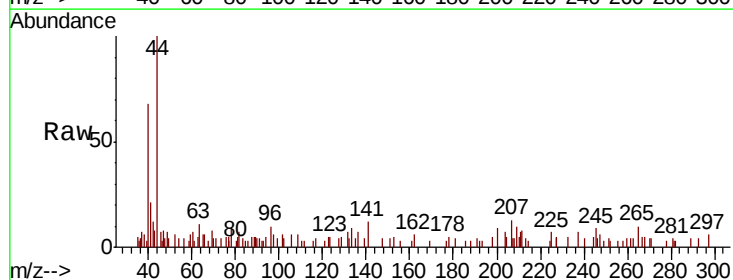
Instrument :  
MSVOA\_F  
ClientSampleId :  
22-C4-20190401RE

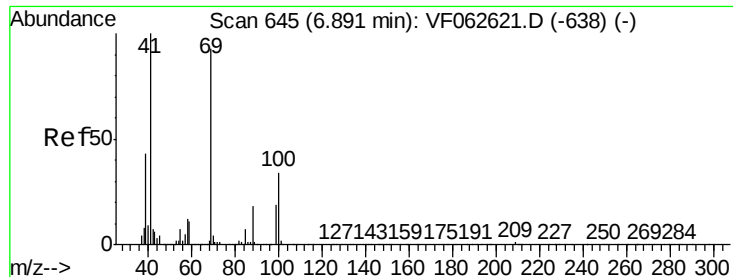
Tot Ion: 43 Resp: 1456  
Ion Ratio Lower Upper  
43 100  
61 28.3 76.9 115.3#  
70 27.2 8.8 13.2#



#41  
Methacrylonitrile  
Concen: 2.105 ug/l  
RT: 4.90 min Scan# 443  
Delta R.T. -0.03 min  
Lab File: VF062714.D  
Acq: 22 May 2019 19:09

Tgt Ion: 41 Resp: 650  
Ion Ratio Lower Upper  
41 100  
39 15.2 42.2 63.2#  
67 14.8 56.4 84.6#  
52 27.5 38.8 58.2#





#48

Methyl methacrylate

Concen: 3.959 ug/l

RT: 6.87 min Scan# 642

Delta R.T. -0.02 min

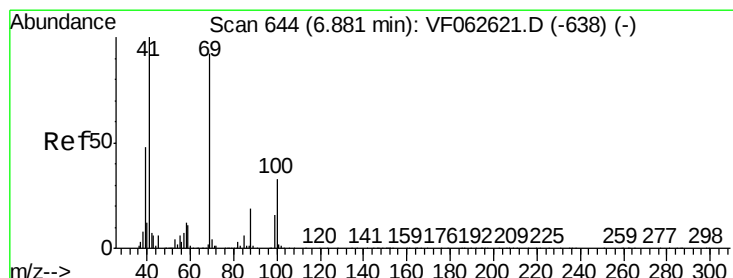
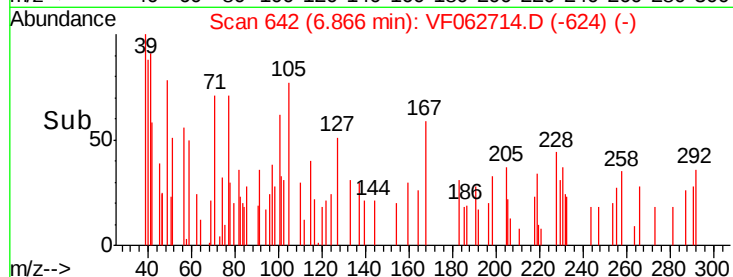
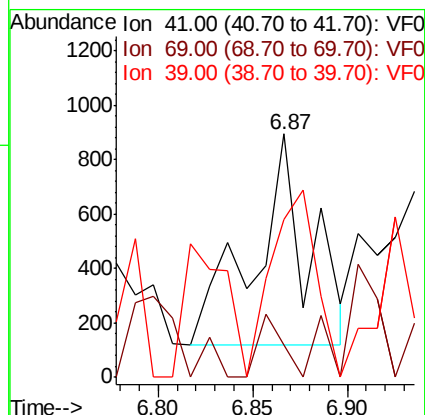
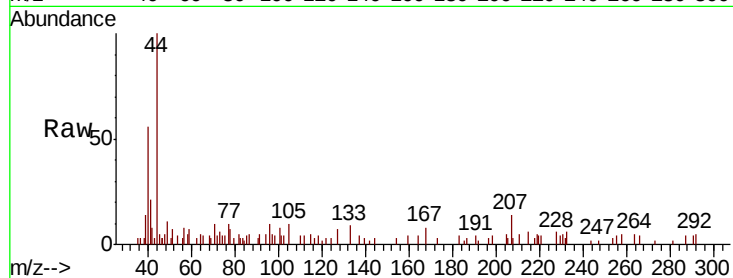
Lab File: VF062714.D

Acq: 22 May 2019 19:09

Instrument :  
MSVOA\_F  
ClientSampleId :  
22-C4-20190401RE

Tot Ion: 41 Resp: 1579

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 41  | 100   |       |        |
| 69  | 13.3  | 74.2  | 111.2# |
| 39  | 64.6  | 34.2  | 51.4#  |



#49

1,4-Dioxane

Concen: 40.720 ug/l

RT: 6.86 min Scan# 641

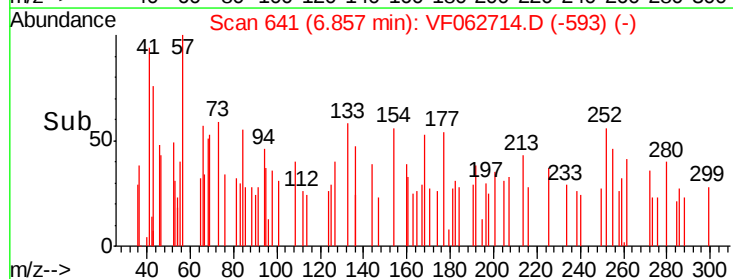
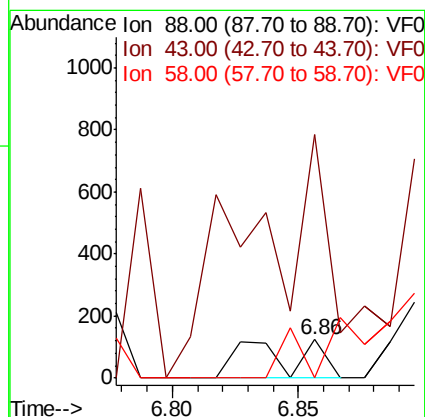
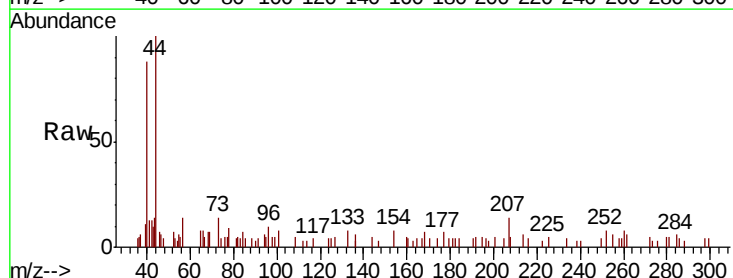
Delta R.T. -0.02 min

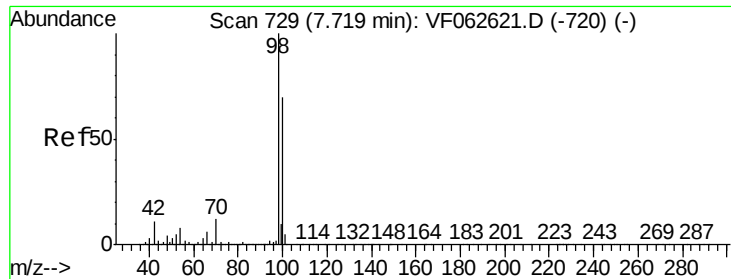
Lab File: VF062714.D

Acq: 22 May 2019 19:09

Tgt Ion: 88 Resp: 208

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 633.1 | 30.0  | 45.0# |
| 58  | 0.0   | 51.1  | 76.7# |





#50

Toluene-d8

Concen: 39.525 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF062714.D

Acq: 22 May 2019 19:09

Instrument :

MSVOA\_F

ClientSampleId :

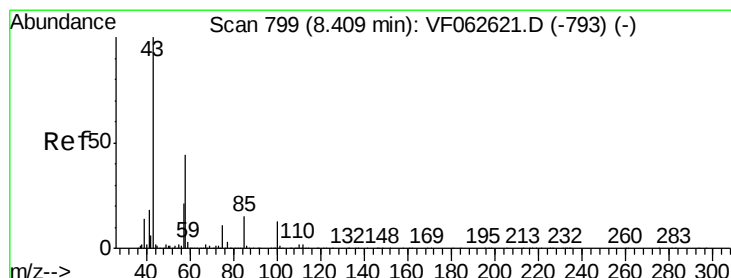
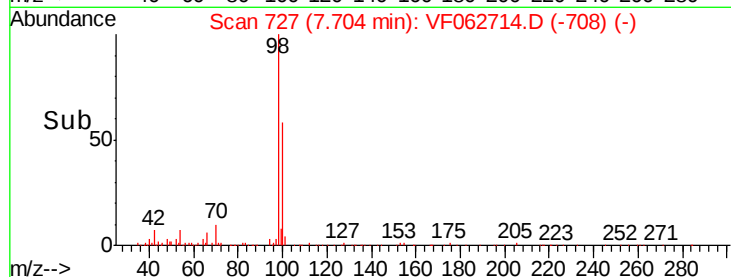
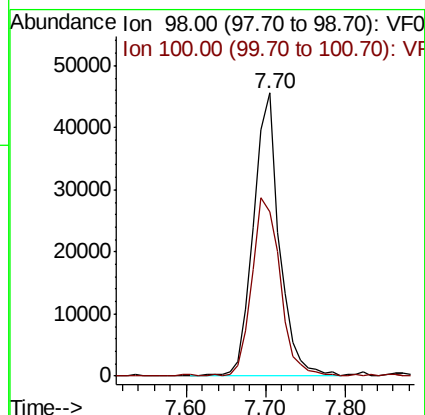
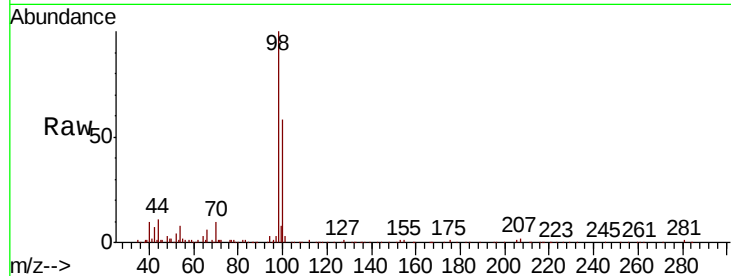
22-C4-20190401RE

Tot Ion: 98 Resp: 101656

Ion Ratio Lower Upper

98 100

100 57.9 56.2 84.2



#51

4-Methyl-2-Pentanone

Concen: 4.295 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF062714.D

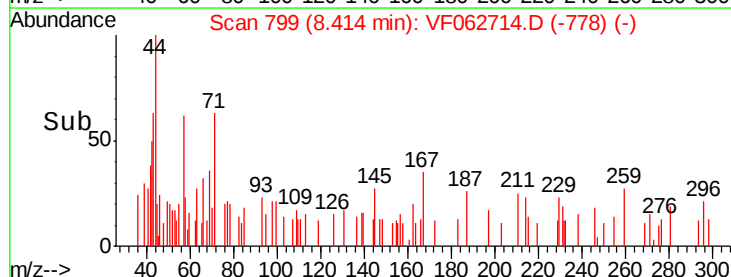
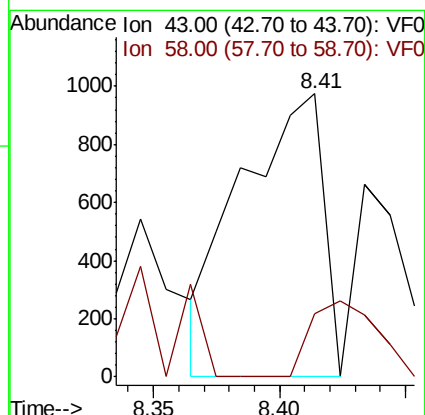
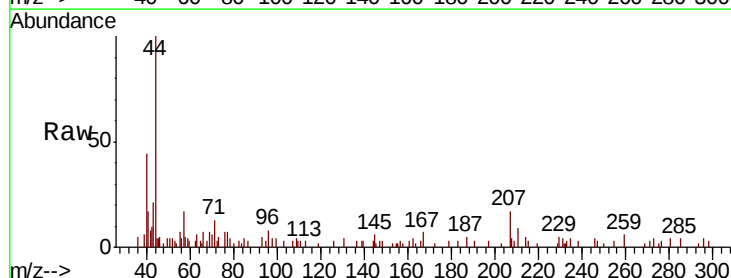
Acq: 22 May 2019 19:09

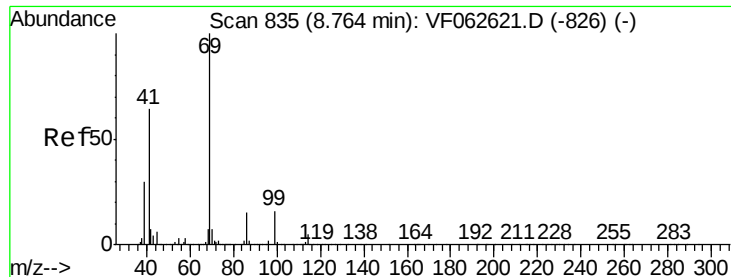
Tgt Ion: 43 Resp: 2240

Ion Ratio Lower Upper

43 100

58 22.4 34.9 52.3#





#56

Ethyl methacrylate

Concen: 11.817 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF062714.D

Acq: 22 May 2019 19:09

Instrument :  
MSVOA\_F  
ClientSampleId :  
22-C4-20190401RE

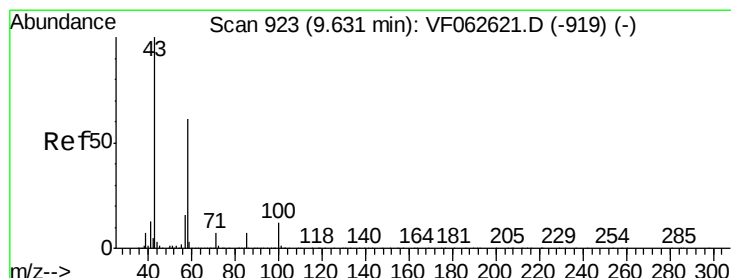
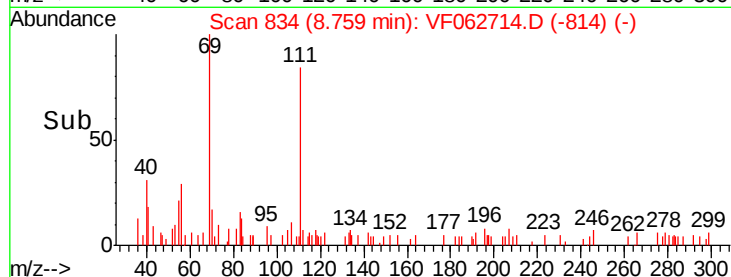
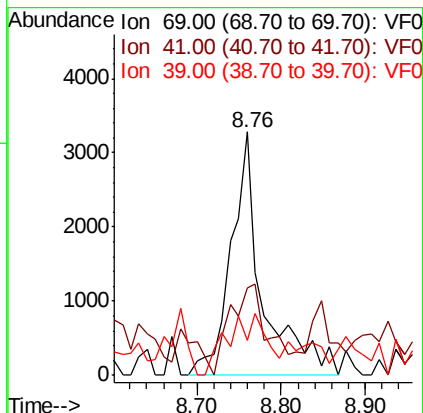
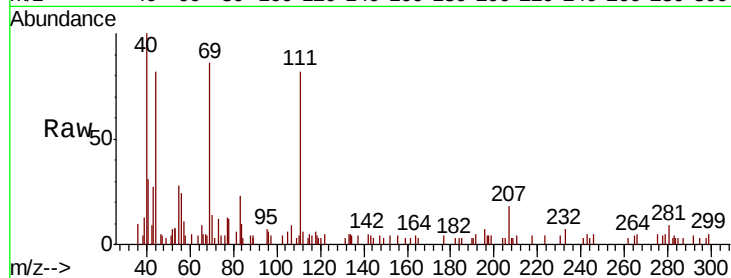
Tot Ion: 69 Resp: 8591

Ion Ratio Lower Upper

69 100

41 35.9 51.4 77.2#

39 14.5 23.6 35.4#



#59

2-Hexanone

Concen: Below Cal

RT: 9.73 min Scan# 933

Delta R.T. 0.10 min

Lab File: VF062714.D

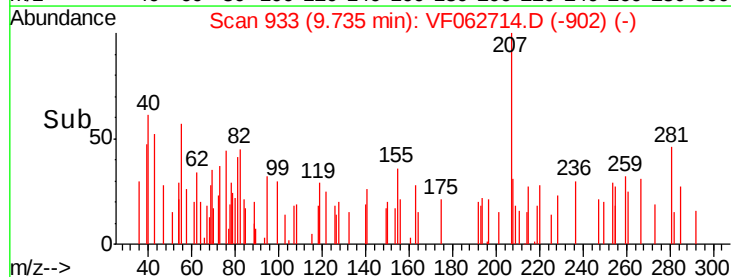
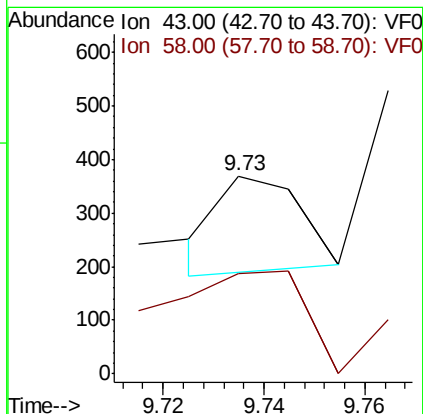
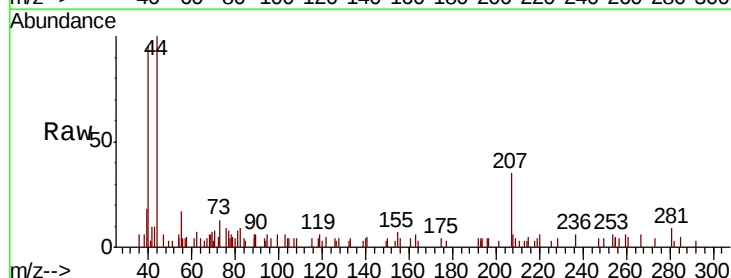
Acq: 22 May 2019 19:09

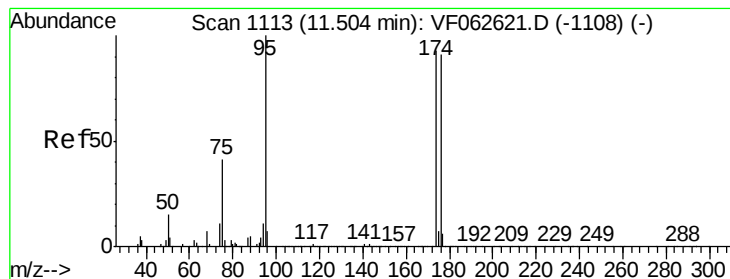
Tgt Ion: 43 Resp: 202

Ion Ratio Lower Upper

43 100

58 50.5 28.1 84.4





#62

4-Bromofluorobenzene

Concen: 19.792 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VF062714.D

Acq: 22 May 2019 19:09

Instrument :

MSVOA\_F

ClientSampleId :

22-C4-20190401RE

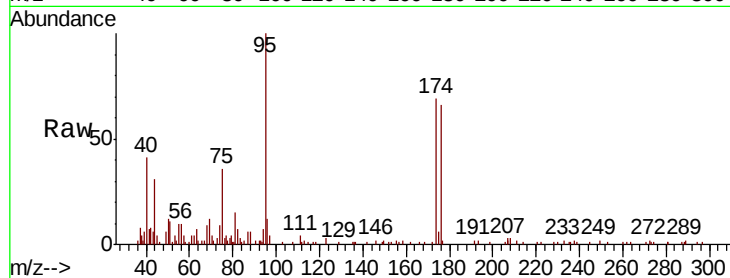
Tot Ion: 95 Resp: 19306

Ion Ratio Lower Upper

95 100

174 68.7 0.0 185.6

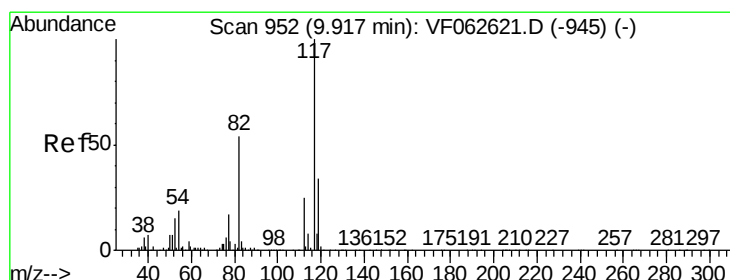
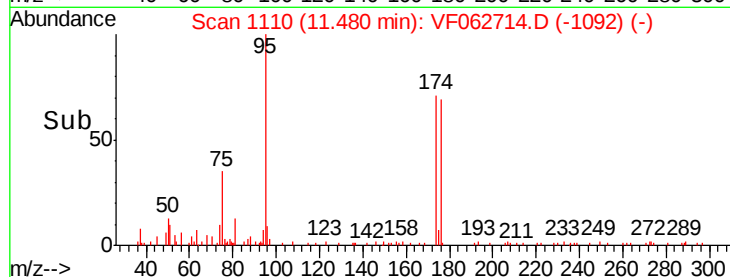
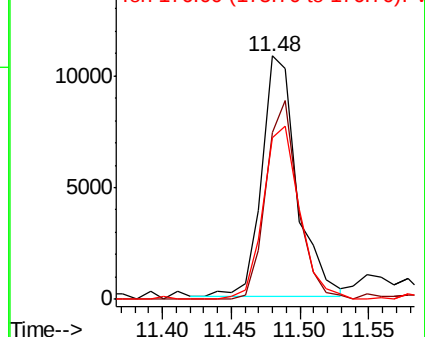
176 66.2 0.0 182.4



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: 9.89 min Scan# 949

Delta R.T. -0.02 min

Lab File: VF062714.D

Acq: 22 May 2019 19:09

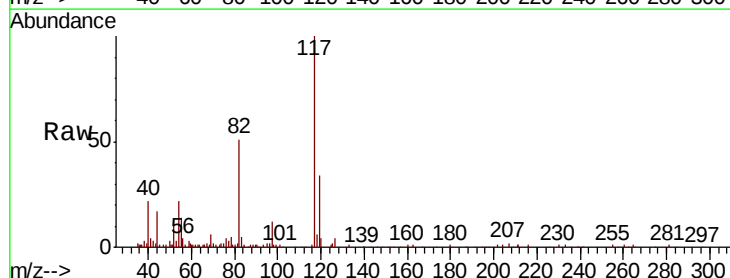
Tgt Ion: 117 Resp: 68632

Ion Ratio Lower Upper

117 100

82 51.3 43.3 64.9

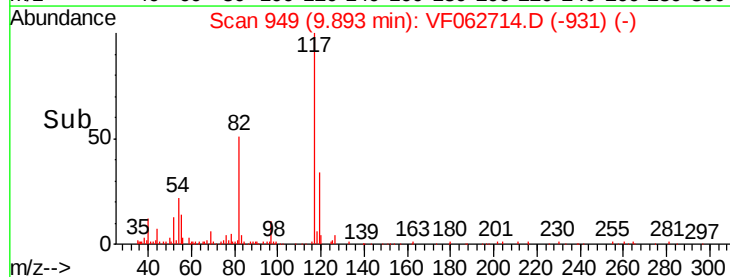
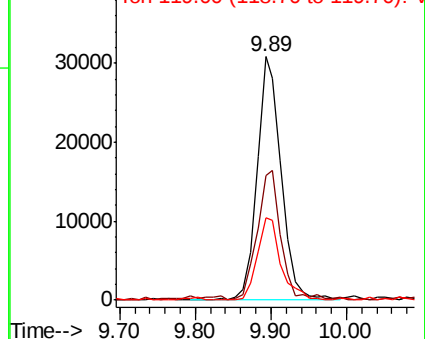
119 33.7 27.4 41.0

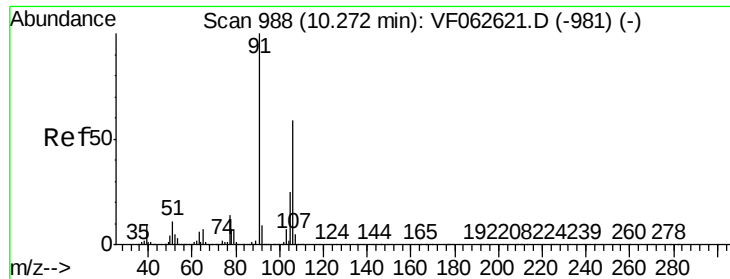


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0

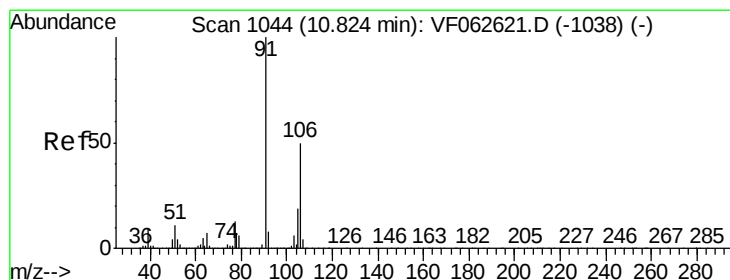
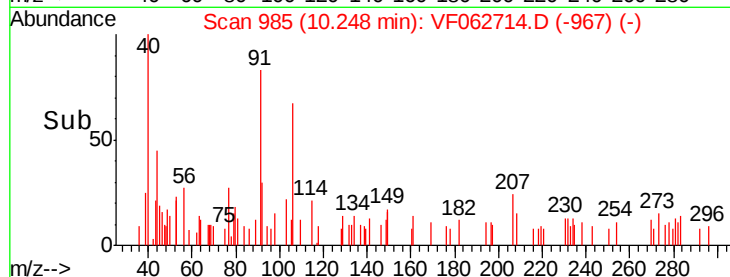
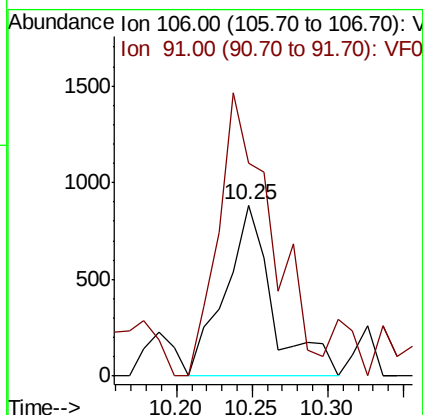
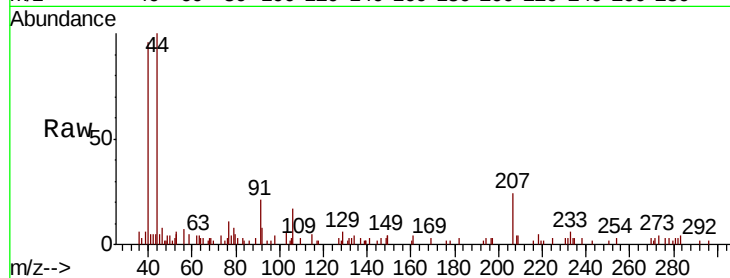




#68  
m/p-Xylenes  
Concen: 2.189 ug/l  
RT: 10.25 min Scan# 985  
Delta R.T. -0.02 min  
Lab File: VF062714.D  
Acq: 22 May 2019 19:09

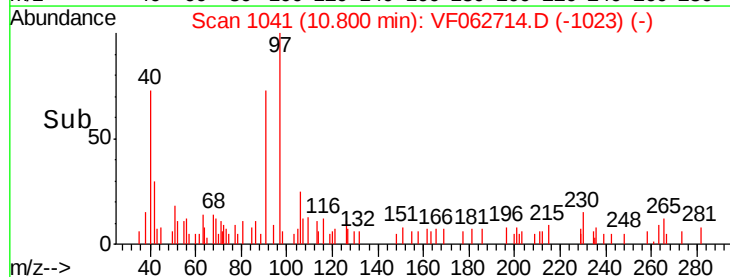
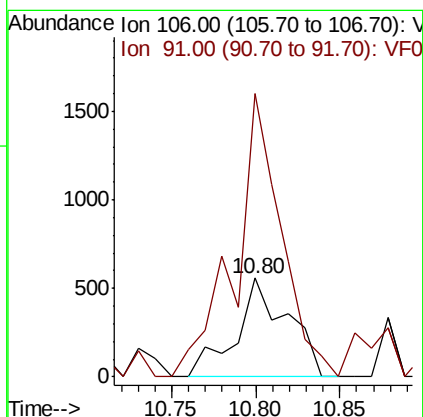
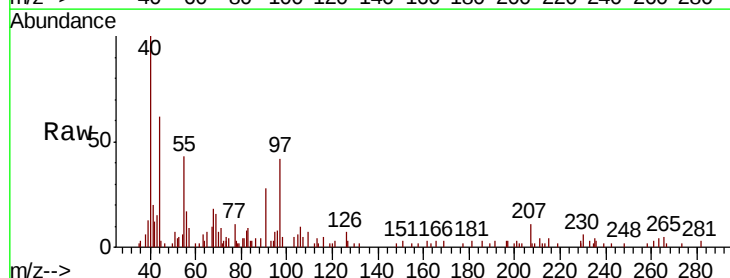
Instrument :  
MSVOA\_F  
ClientSampleId :  
22-C4-20190401RE

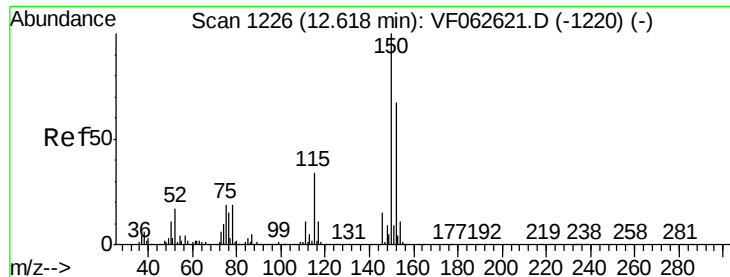
Tot Ion:106 Resp: 1927  
Ion Ratio Lower Upper  
106 100  
91 124.2 136.9 205.3#



#69  
o-Xylene  
Concen: 1.309 ug/l  
RT: 10.80 min Scan# 1041  
Delta R.T. -0.02 min  
Lab File: VF062714.D  
Acq: 22 May 2019 19:09

Tgt Ion:106 Resp: 1187  
Ion Ratio Lower Upper  
106 100  
91 287.1 100.2 300.5



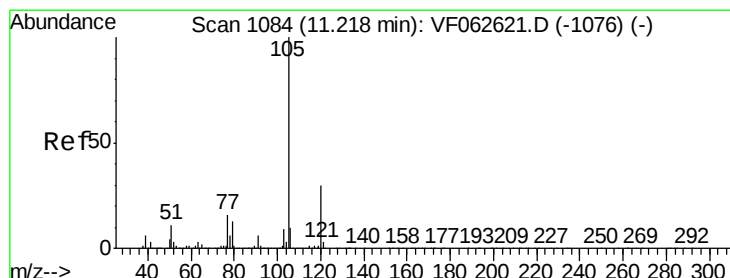
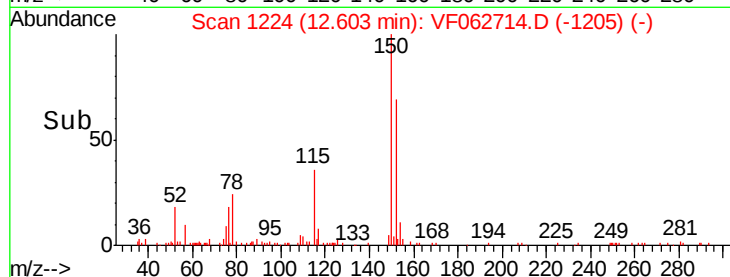
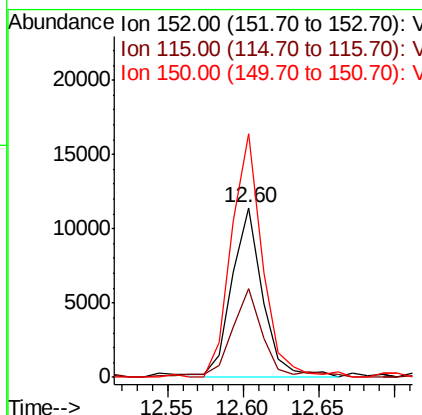
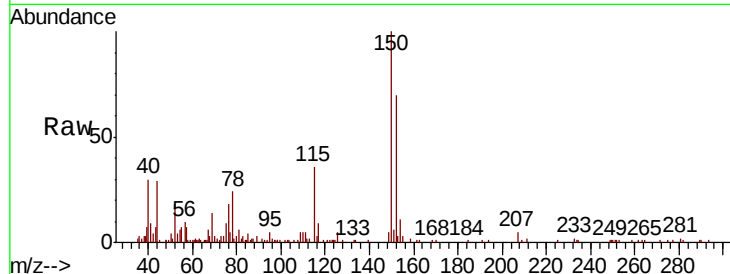


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.60 min Scan# 1224  
Delta R.T. -0.01 min  
Lab File: VF062714.D  
Acq: 22 May 2019 19:09

Instrument :  
MSVOA\_F  
ClientSampleId :  
22-C4-20190401RE

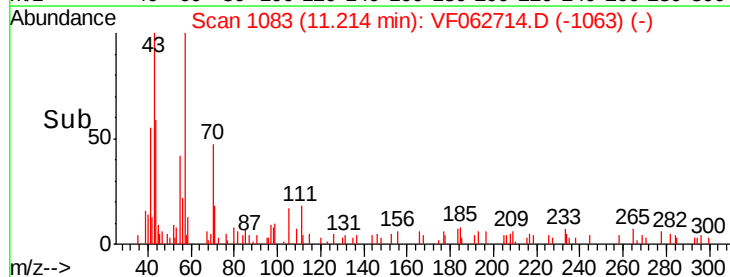
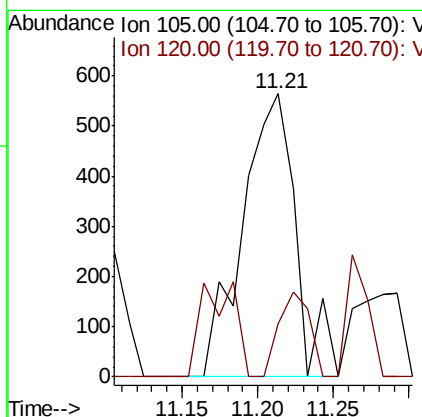
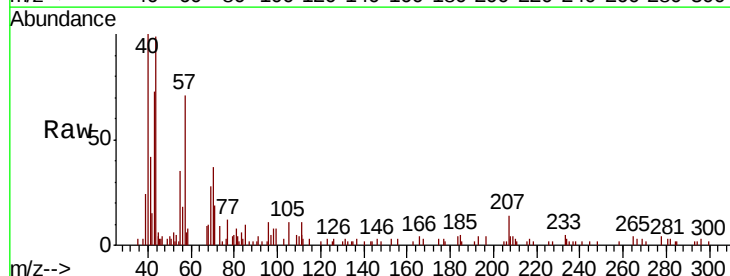
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 52.1  | 25.2  | 75.6  |
| 150     | 143.3 | 0.0   | 306.2 |

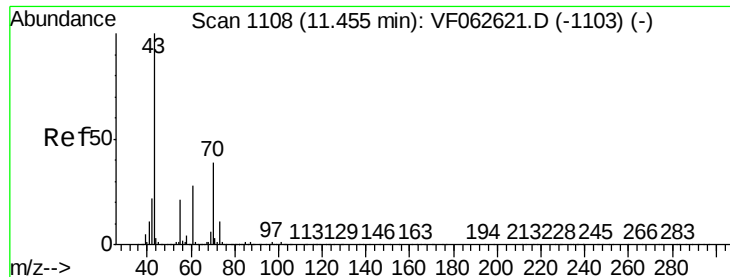


#73

Isopropylbenzene  
Concen: 1.184 ug/l  
RT: 11.21 min Scan# 1083  
Delta R.T. -0.00 min  
Lab File: VF062714.D  
Acq: 22 May 2019 19:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 18.8  | 14.8  | 44.4  |





#74

N-amvl acetate

Concen: 27.252 ug/l

RT: 11.34 min Scan# 1096

Delta R.T. -0.11 min

Lab File: VF062714.D

Acq: 22 May 2019 19:09

Instrument :

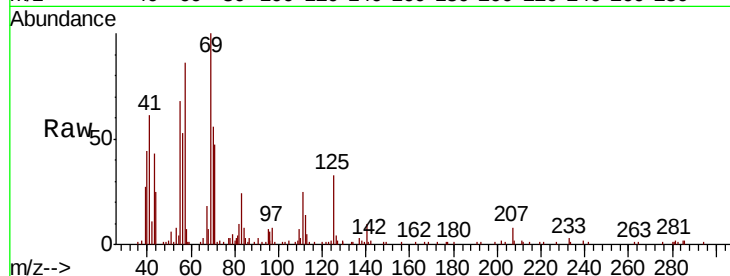
MSVOA\_F

ClientSampleId :

22-C4-20190401RE

Tot Ion: 43 Resp: 8806

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 70  | 131.5 | 30.9  | 46.3# |
| 55  | 157.9 | 17.0  | 25.4# |
| 61  | 0.0   | 22.6  | 34.0# |

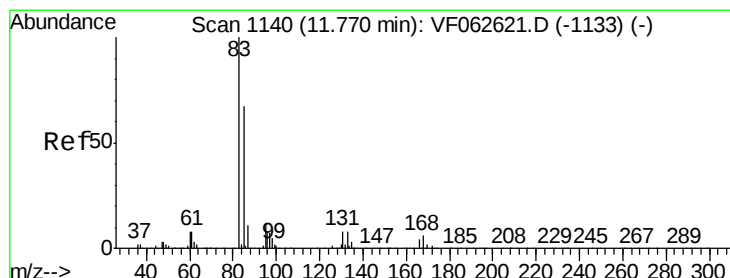
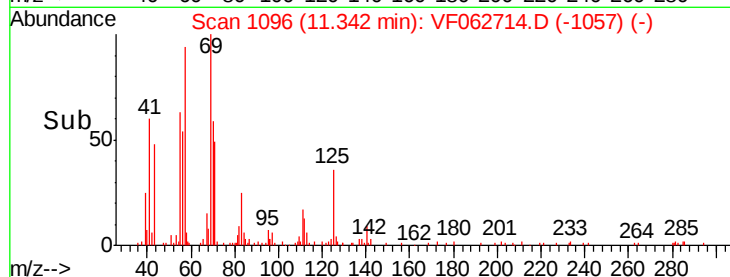
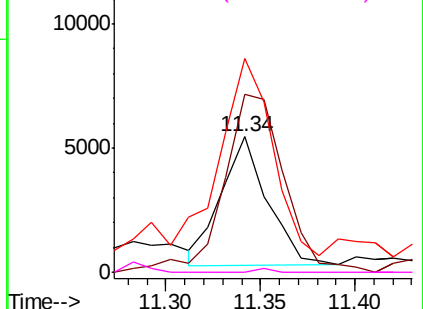


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 1.294 ug/l

RT: 11.80 min Scan# 1142

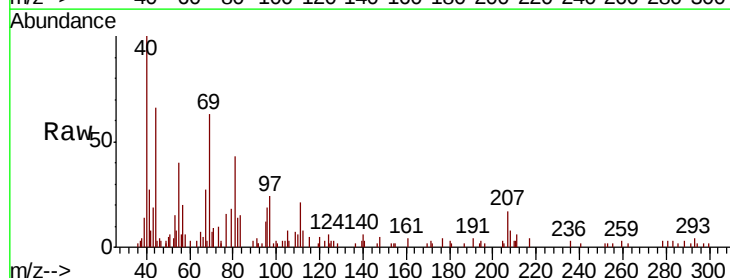
Delta R.T. 0.02 min

Lab File: VF062714.D

Acq: 22 May 2019 19:09

Tgt Ion: 83 Resp: 308

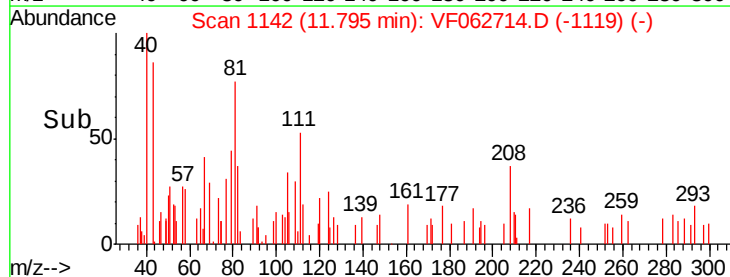
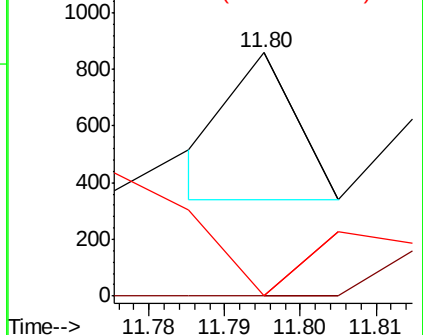
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 83  | 100   |       |        |
| 131 | 0.0   | 4.0   | 12.0#  |
| 85  | 0.0   | 33.5  | 100.5# |

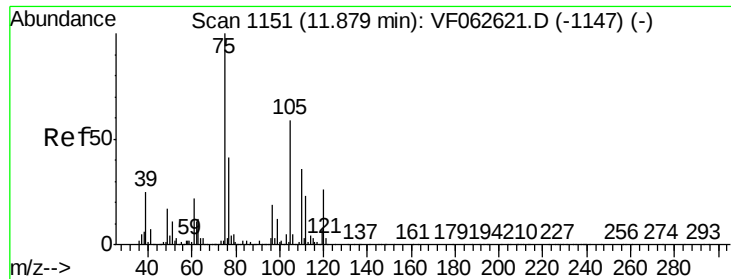


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0





#76

1,2,3-Trichloropropane

Concen: 5.568 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.02 min

Lab File: VF062714.D

Acq: 22 May 2019 19:09

Instrument :

MSVOA\_F

ClientSampleId :

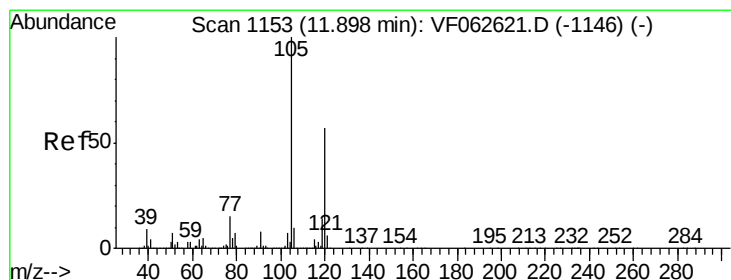
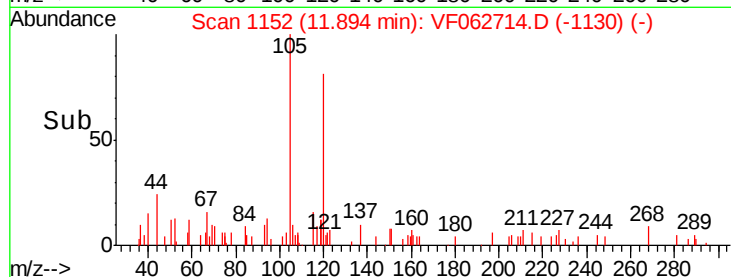
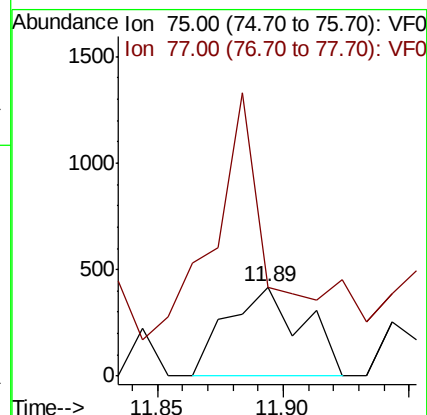
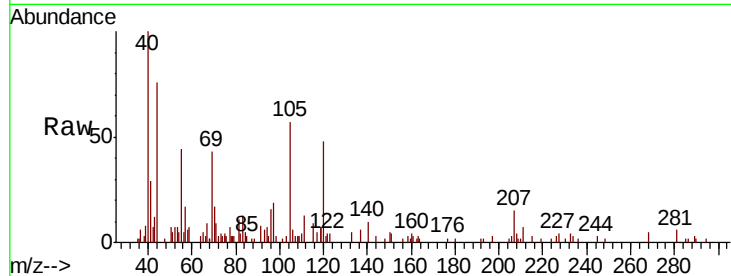
22-C4-20190401RE

Tot Ion: 75 Resp: 871

Ion Ratio Lower Upper

75 100

77 100.5 20.6 61.8#



#80

1,3,5-Trimethylbenzene

Concen: 9.398 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF062714.D

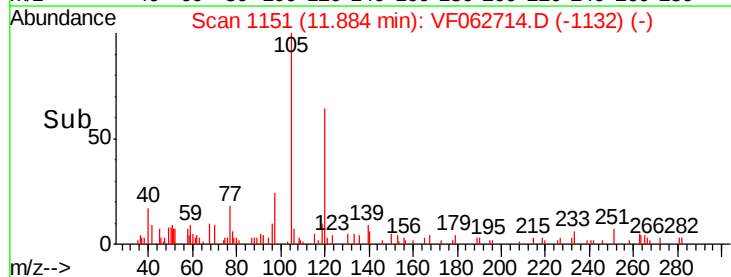
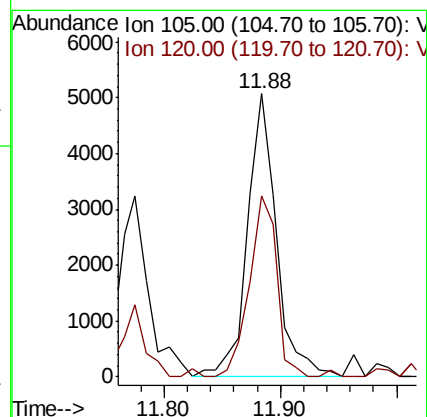
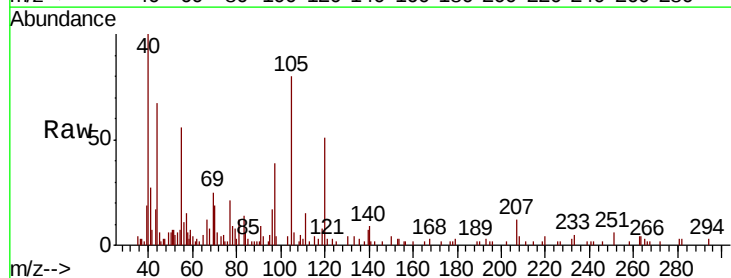
Acq: 22 May 2019 19:09

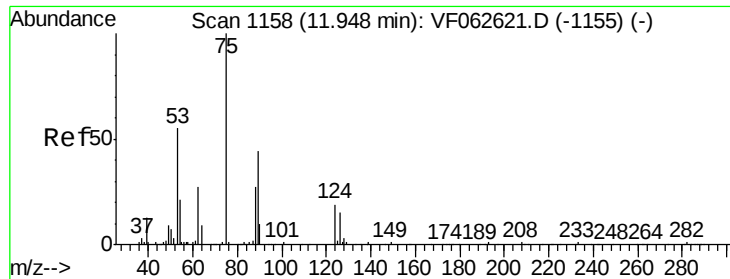
Tgt Ion: 105 Resp: 8779

Ion Ratio Lower Upper

105 100

120 64.0 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 3.595 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VF062714.D

Acq: 22 May 2019 19:09

Instrument :

MSVOA\_F

ClientSampleId :

22-C4-20190401RE

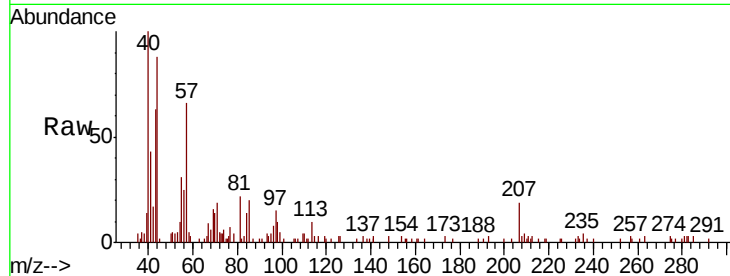
Tot Ion: 75 Resp: 250

Ion Ratio Lower Upper

75 100

53 105.2 46.9 70.3#

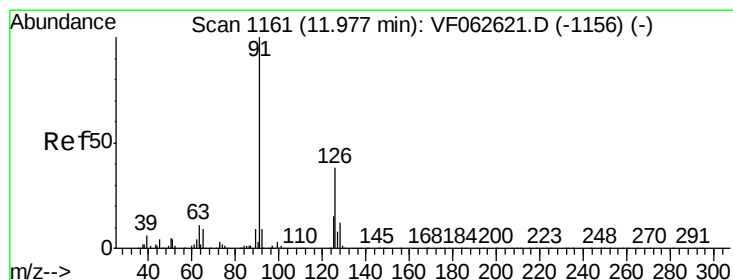
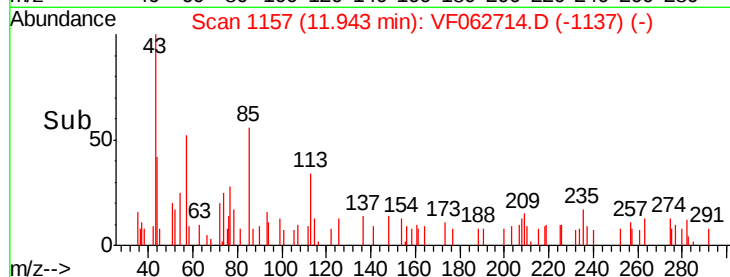
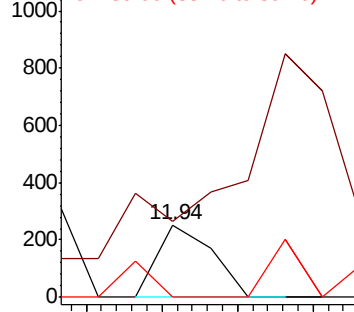
89 0.0 36.4 54.6#



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



#82

4-Chlorotoluene

Concen: 1.771 ug/l

RT: 12.06 min Scan# 1169

Delta R.T. 0.08 min

Lab File: VF062714.D

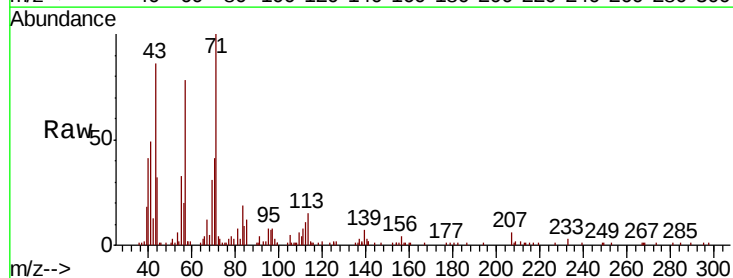
Acq: 22 May 2019 19:09

Tgt Ion: 91 Resp: 1357

Ion Ratio Lower Upper

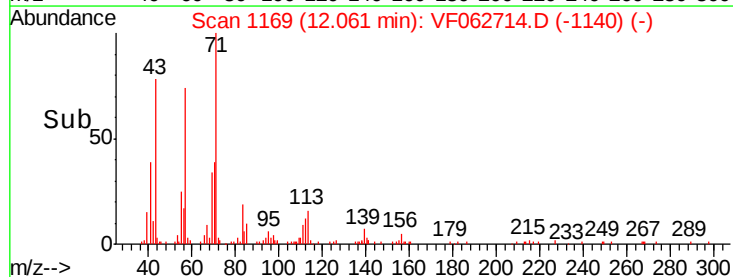
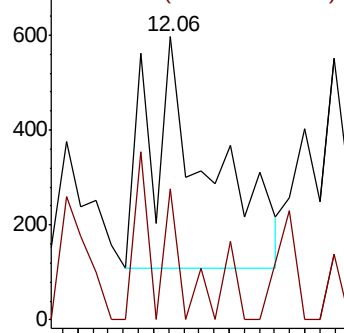
91 100

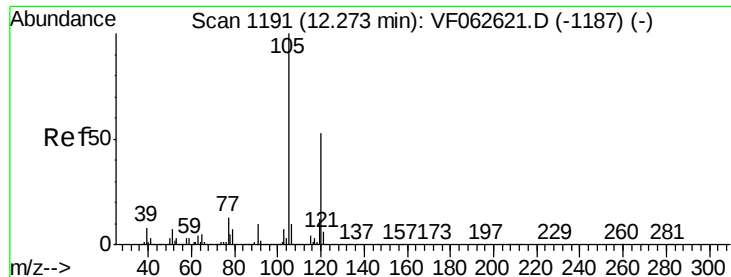
126 46.1 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

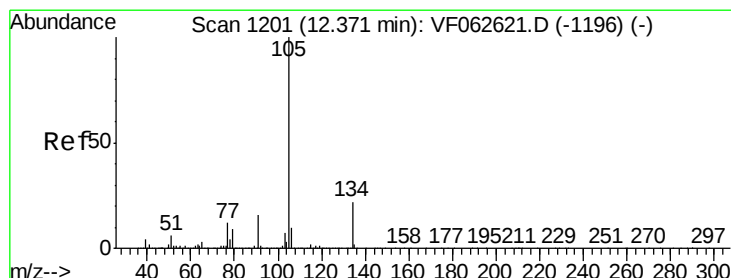
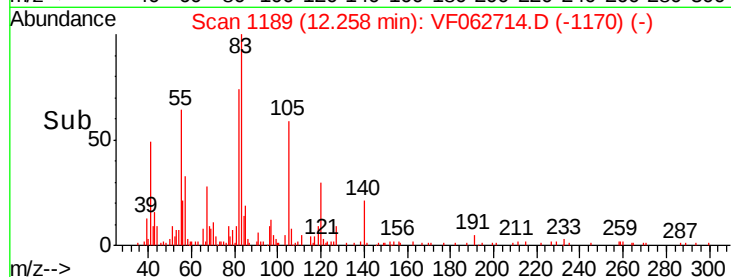
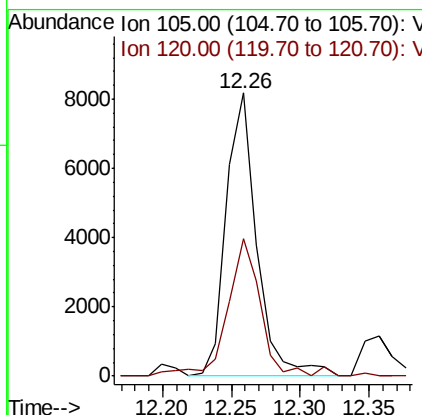
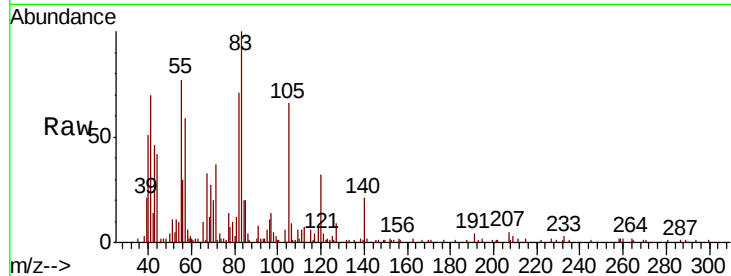




#84  
 1,2,4-Trimethylbenzene  
 Concen: 13.999 ug/l  
 RT: 12.26 min Scan# 1189  
 Delta R.T. -0.01 min  
 Lab File: VF062714.D  
 Acq: 22 May 2019 19:09

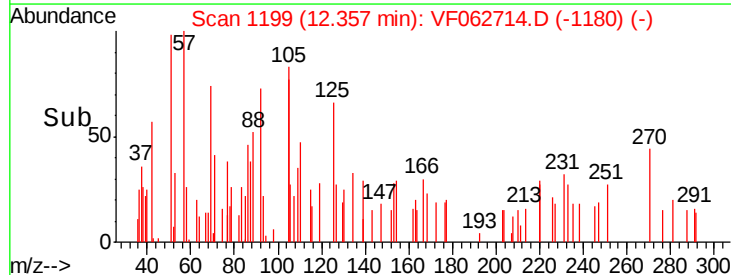
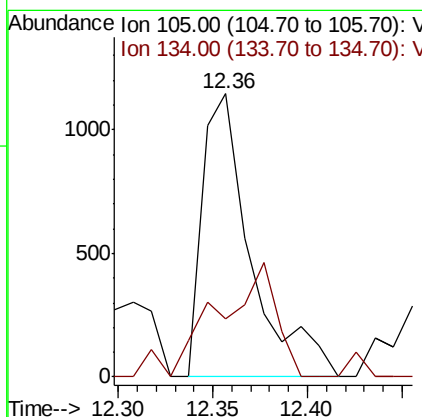
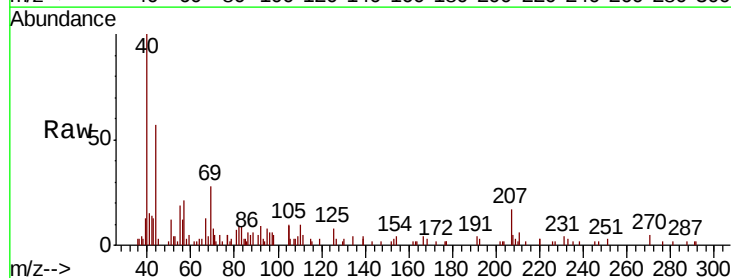
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 22-C4-20190401RE

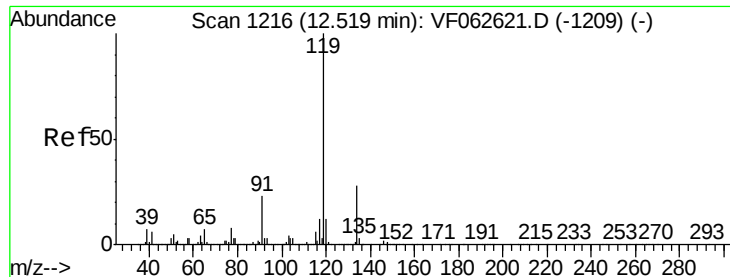
Tot Ion:105 Resp: 12657  
 Ion Ratio Lower Upper  
 105 100  
 120 48.4 26.7 80.1



#85  
 sec-Butylbenzene  
 Concen: 1.607 ug/l  
 RT: 12.36 min Scan# 1199  
 Delta R.T. -0.01 min  
 Lab File: VF062714.D  
 Acq: 22 May 2019 19:09

Tgt Ion:105 Resp: 2044  
 Ion Ratio Lower Upper  
 105 100  
 134 20.5 10.8 32.4

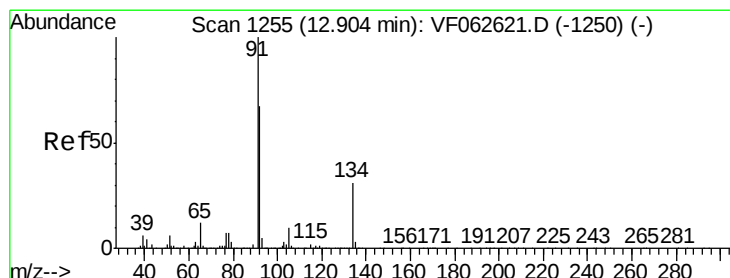
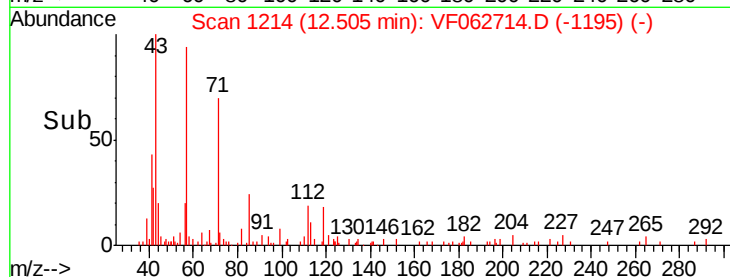
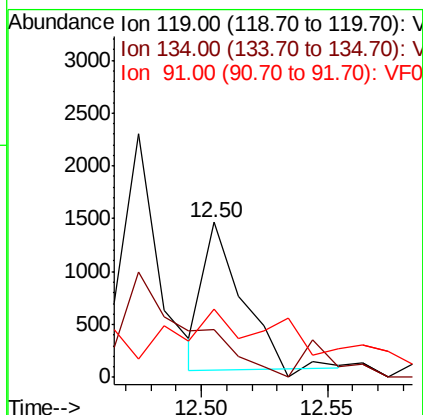
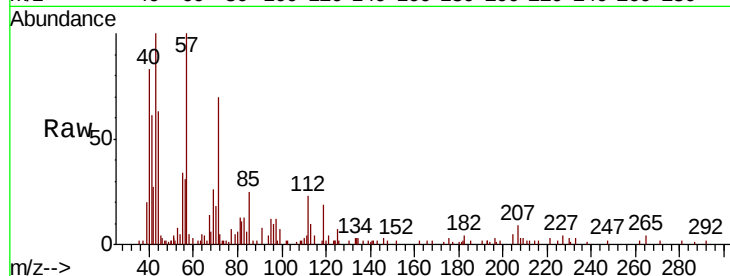




#86  
p-Isopropyltoluene  
Concen: 1.412 ug/l  
RT: 12.50 min Scan# 1214  
Delta R.T. -0.01 min  
Lab File: VF062714.D  
Acq: 22 May 2019 19:09

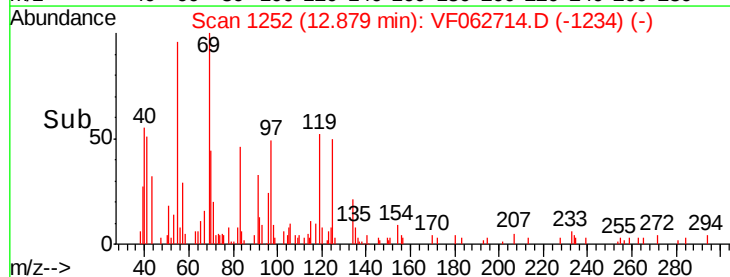
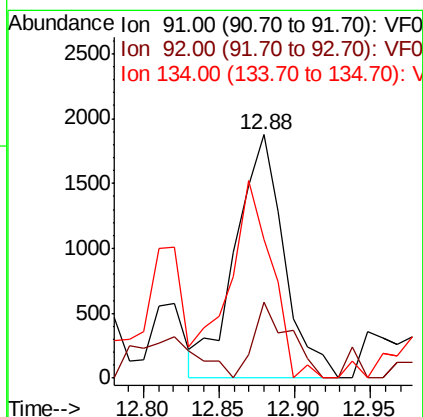
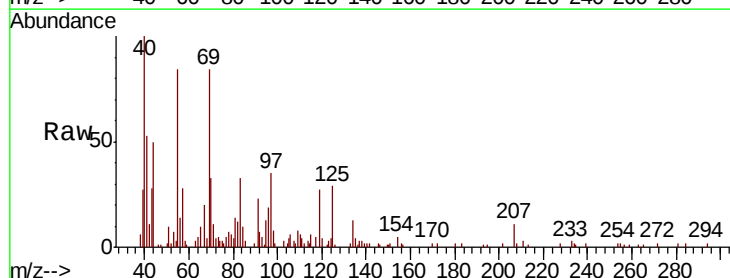
Instrument :  
MSVOA\_F  
ClientSampleId :  
22-C4-20190401RE

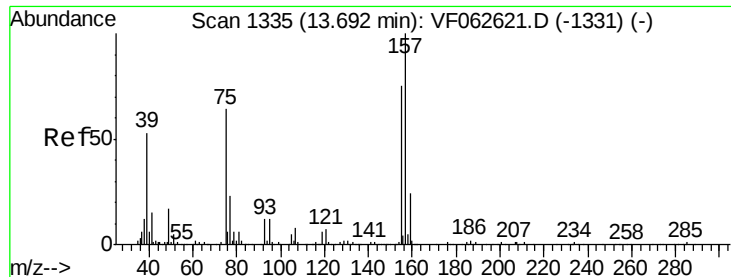
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 30.6  | 14.1  | 42.3  |
| 91      | 43.9  | 11.4  | 34.2  |



#89  
n-Butylbenzene  
Concen: 3.971 ug/l  
RT: 12.88 min Scan# 1252  
Delta R.T. -0.02 min  
Lab File: VF062714.D  
Acq: 22 May 2019 19:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 31.2  | 33.3  | 99.8  |
| 134     | 56.9  | 15.4  | 46.4  |





#92

1,2-Dibromo-3-Chloropropane

Concen: 8.485 ug/l

RT: 13.67 min Scan# 1332

Delta R.T. -0.02 min

Lab File: VF062714.D

Acq: 22 May 2019 19:09

Instrument :

MSVOA\_F

ClientSampleId :

22-C4-20190401RE

Tot Ion: 75 Resp: 241

Ion Ratio Lower Upper

75 100

155 0.0 58.1 174.3#

157 85.4 77.8 233.4

