

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\  
 Data File : VF062208.D  
 Acq On : 18 Apr 2019 16:42  
 Operator : FY/SY  
 Sample : K2407-02  
 Misc : 5.98g/5mL/MSVOA F/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :

Quant Time: Apr 19 01:18:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82F041719S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 18 07:43:02 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.05  | 168  | 100146   | 50.00 | ug/l  | 0.02     |
| 34) 1,4-Difluorobenzene    | 5.77  | 114  | 121703   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.91  | 117  | 94234    | 50.00 | ug/l  | 0.02     |
| 72) 1,4-Dichlorobenzene-d4 | 12.61 | 152  | 47365    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.03  | 65   | 33539    | 36.52 | ug/l   | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 73.04% |          |
| 35) Dibromofluoromethane    | 4.30  | 113  | 48566    | 45.62 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.24% |          |
| 50) Toluene-d8              | 7.72  | 98   | 126344   | 46.88 | ug/l   | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.76% |          |
| 62) 4-Bromofluorobenzene    | 11.50 | 95   | 49053    | 47.32 | ug/l   | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.64% |          |

| Target Compounds             | R.T. | QIon | Response | Conc      | Units  | Qvalue |
|------------------------------|------|------|----------|-----------|--------|--------|
| 3) Chloromethane             | 1.19 | 50   | 716      | 0.455     | ug/l # | 85     |
| 4) Vinyl Chloride            | 1.21 | 62   | 381      | 0.282     | ug/l # | 42     |
| 5) Bromomethane              | 1.35 | 94   | 550      | 0.701     | ug/l # | 24     |
| 6) Chloroethane              | 1.45 | 64   | 757      | 1.340     | ug/l   | 92     |
| 8) Diethyl Ether             | 1.71 | 74   | 1380     | 3.862     | ug/l   | 75     |
| 11) Tert butyl alcohol       | 2.70 | 59   | 1065     | 16.685    | ug/l # | 70     |
| 12) 1,1-Dichloroethene       | 1.90 | 96   | 248      | 0.222     | ug/l # | 10     |
| 13) Acrolein                 | 2.10 | 56   | 270      | Below Cal | #      | 1      |
| 14) Allyl chloride           | 2.19 | 41   | 855      | 0.668     | ug/l # | 25     |
| 15) Acrylonitrile            | 3.10 | 53   | 749      | 3.853     | ug/l # | 37     |
| 16) Acetone                  | 2.35 | 43   | 10696    | 48.730    | ug/l # | 84     |
| 17) Carbon Disulfide         | 1.92 | 76   | 647      | 0.209     | ug/l # | 85     |
| 18) Methyl Acetate           | 2.50 | 43   | 1094     | Below Cal |        | 94     |
| 19) Methyl tert-butyl Ether  | 2.55 | 73   | 1684     | 0.855     | ug/l # | 72     |
| 20) Methylene Chloride       | 2.30 | 84   | 9763     | 3.195     | ug/l   | 91     |
| 21) trans-1,2-Dichloroethene | 2.43 | 96   | 1025     | 0.929     | ug/l # | 5      |
| 22) Diisopropyl ether        | 2.93 | 45   | 1264     | 0.386     | ug/l # | 77     |
| 23) Vinyl Acetate            | 3.28 | 43   | 1640     | 1.051     | ug/l # | 79     |
| 25) 2-Butanone               | 4.53 | 43   | 1130     | 2.575     | ug/l # | 57     |
| 26) 2,2-Dichloropropane      | 3.99 | 77   | 652      | 0.721     | ug/l   | 77     |
| 27) cis-1,2-Dichloroethene   | 3.58 | 96   | 357      | 0.250     | ug/l   | 27     |
| 29) Tetrahydrofuran          | 4.30 | 42   | 1092     | 5.497     | ug/l # | 33     |
| 32) 1,1,1-Trichloroethane    | 4.29 | 97   | 1018     | 0.632     | ug/l # | 26     |
| 36) 1,1-Dichloropropene      | 4.47 | 75   | 465      | 0.319     | ug/l # | 63     |
| 37) Ethyl Acetate            | 4.36 | 43   | 1695     | 2.462     | ug/l # | 53     |
| 39) Methylcyclohexane        | 5.66 | 83   | 360      | 0.206     | ug/l # | 53     |
| 40) Benzene                  | 4.82 | 78   | 3047     | 0.796     | ug/l # | 74     |
| 41) Methacrylonitrile        | 4.92 | 41   | 807      | 2.032     | ug/l # | 23     |
| 43) Isopropyl Acetate        | 7.11 | 43   | 3679     | 5.080     | ug/l # | 99     |
| 47) Bromodichloromethane     | 6.56 | 83   | 405      | 0.320     | ug/l # | 24     |
| 48) Methyl methacrylate      | 6.88 | 41   | 1667     | 3.503     | ug/l # | 71     |
| 49) 1,4-Dioxane              | 6.71 | 88   | 83       | 15.207    | ug/l # | 58     |
| 51) 4-Methyl-2-Pentanone     | 8.41 | 43   | 18904    | 35.096    | ug/l   | 95     |
| 52) Toluene                  | 7.78 | 92   | 13076    | 6.481     | ug/l   | 98     |

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 Operator : FY/SY  
 Sample : K2407-02  
 Misc : 5.98g/5mL/MSVOA F/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

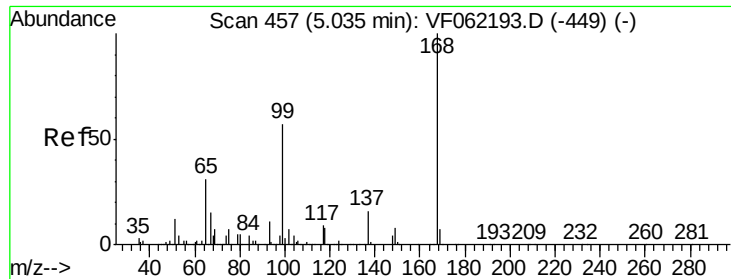
Instrument :  
 MSVOA\_F  
 ClientSampleId :

Quant Time: Apr 19 01:18:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82F041719S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 18 07:43:02 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| -----                          |       |      |          |           |        |          |
| 54) cis-1,3-Dichloropropene    | 7.45  | 75   | 420      | 0.327     | ug/l # | 1        |
| 55) 1,1,2-Trichloroethane      | 8.63  | 97   | 349      | 0.618     | ug/l # | 33       |
| 56) Ethyl methacrylate         | 8.76  | 69   | 5988     | 9.319     | ug/l # | 57       |
| 57) 1,3-Dichloropropane        | 9.00  | 76   | 286      | 0.313     | ug/l # | 1        |
| 58) 2-Chloroethyl Vinyl ether  | 7.46  | 63   | 60       | 0.322     | ug/l # | 48       |
| 59) 2-Hexanone                 | 9.63  | 43   | 18968    | 56.577    | ug/l   | 89       |
| 65) Chlorobenzene              | 9.92  | 112  | 735      | 0.366     | ug/l # | 42       |
| 67) Ethyl Benzene              | 10.03 | 91   | 3455     | 0.946     | ug/l   | 96       |
| 68) m/p-Xylenes                | 10.27 | 106  | 2351     | 1.748     | ug/l # | 54       |
| 69) o-Xylene                   | 10.82 | 106  | 1093     | 0.732     | ug/l   | 97       |
| 70) Styrene                    | 10.89 | 104  | 1674     | 0.794     | ug/l # | 81       |
| 73) Isopropylbenzene           | 11.20 | 105  | 2557     | 0.628     | ug/l   | 97       |
| 74) N-amyl acetate             | 11.45 | 43   | 19473    | 18.801    | ug/l # | 85       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.77 | 83   | 507      | 0.725     | ug/l # | 87       |
| 76) 1,2,3-Trichloropropane     | 11.89 | 75   | 682      | 1.417     | ug/l # | 1        |
| 77) Bromobenzene               | 11.58 | 156  | 553      | 0.634     | ug/l # | 50       |
| 78) n-propylbenzene            | 11.67 | 91   | 3473     | 0.809     | ug/l   | 96       |
| 79) 2-Chlorotoluene            | 11.80 | 91   | 1274     | 0.489     | ug/l   | 83       |
| 80) 1,3,5-Trimethylbenzene     | 11.89 | 105  | 2274     | 0.671     | ug/l   | 68       |
| 81) trans-1,4-Dichloro-2-buten | 11.96 | 75   | 541      | 2.204     | ug/l # | 19       |
| 82) 4-Chlorotoluene            | 11.97 | 91   | 2007     | 0.798     | ug/l   | 88       |
| 83) tert-Butylbenzene          | 12.20 | 119  | 1439     | 0.411     | ug/l   | 89       |
| 84) 1,2,4-Trimethylbenzene     | 12.27 | 105  | 2621     | 0.799     | ug/l   | 96       |
| 85) sec-Butylbenzene           | 12.37 | 105  | 3512     | 0.772     | ug/l   | 86       |
| 86) p-Isopropyltoluene         | 12.52 | 119  | 2488     | 0.645     | ug/l # | 72       |
| 87) 1,3-Dichlorobenzene        | 12.54 | 146  | 1315     | 0.813     | ug/l # | 80       |
| 88) 1,4-Dichlorobenzene        | 12.54 | 146  | 1315     | 0.843     | ug/l   | 88       |
| 89) n-Butylbenzene             | 12.90 | 91   | 3748     | Below Cal |        | 93       |
| 90) Hexachloroethane           | 12.97 | 117  | 519      | 0.524     | ug/l # | 44       |
| 91) 1,2-Dichlorobenzene        | 13.00 | 146  | 1072     | 0.686     | ug/l # | 81       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.73 | 75   | 304      | 2.211     | ug/l # | 1        |
| 93) 1,2,4-Trichlorobenzene     | 14.24 | 180  | 1649     | 1.262     | ug/l   | 89       |
| 94) Hexachlorobutadiene        | 14.23 | 225  | 208      | 0.232     | ug/l # | 23       |
| 95) Naphthalene                | 14.50 | 128  | 13319    | 5.829     | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene     | 14.64 | 180  | 1528     | 1.218     | ug/l   | 82       |
| -----                          |       |      |          |           |        |          |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

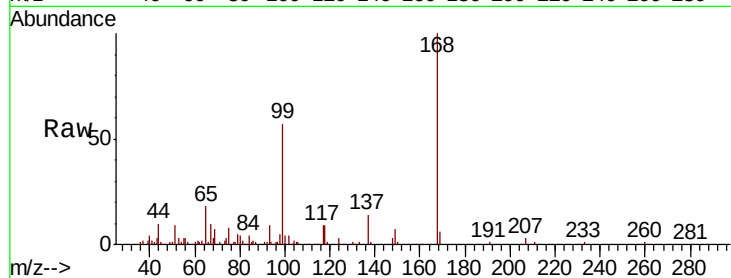
Instrument :  
MSVOA\_F  
ClientSampleId :

Tot Ion:168 Resp: 100146

Ion Ratio Lower Upper

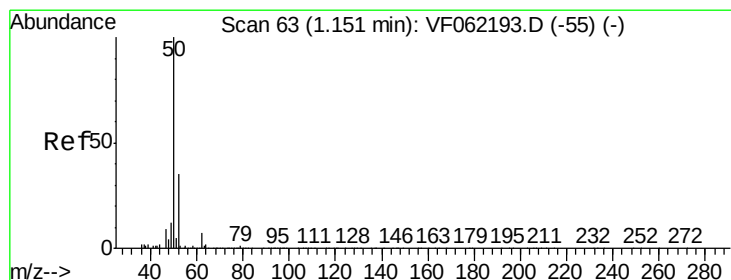
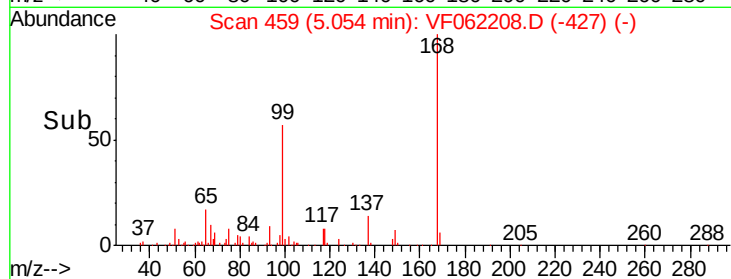
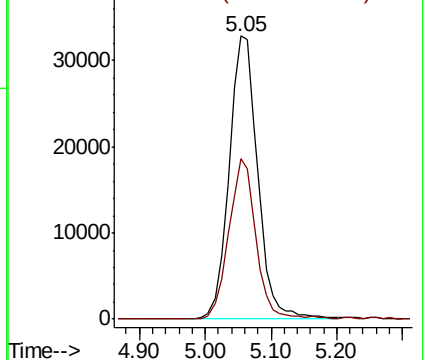
168 100

99 56.6 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0



#3

Chloromethane

Concen: 0.455 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.04 min

Lab File: VF062208.D

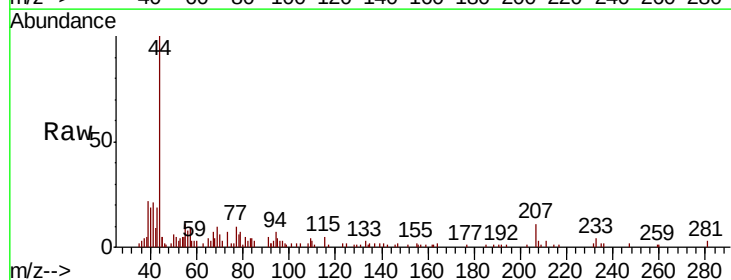
Acq: 18 Apr 2019 16:42

Tgt Ion: 50 Resp: 716

Ion Ratio Lower Upper

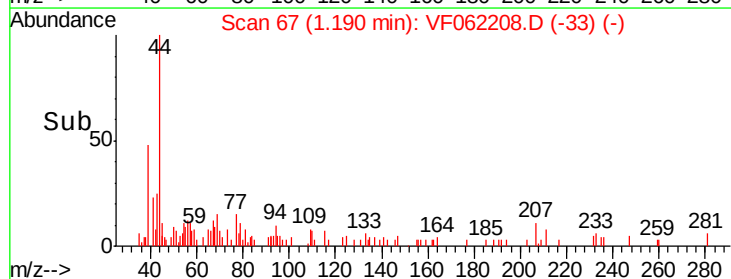
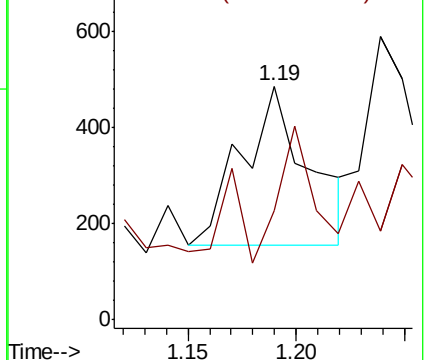
50 100

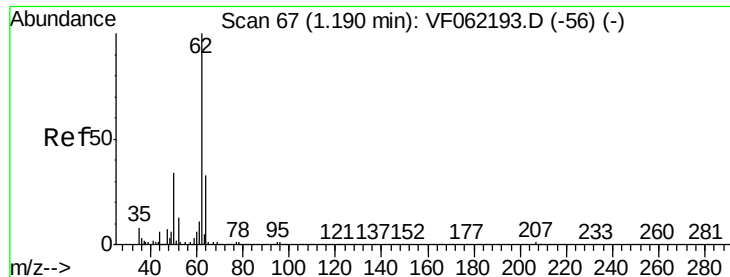
52 25.3 27.0 40.4#



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0





#4

Vinyl Chloride

Concen: 0.282 ug/l

RT: 1.21 min Scan# 69

Delta R.T. 0.02 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

Instrument :

MSVOA\_F

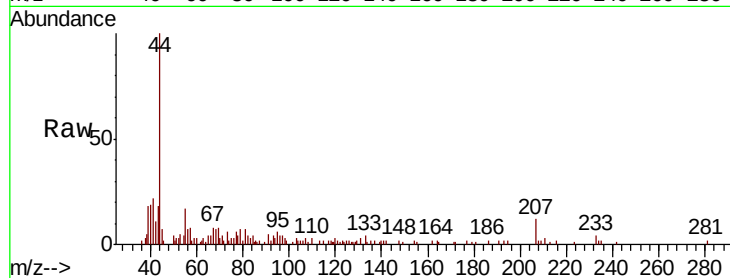
ClientSampleId :

Tot Ion: 62 Resp: 381

Ion Ratio Lower Upper

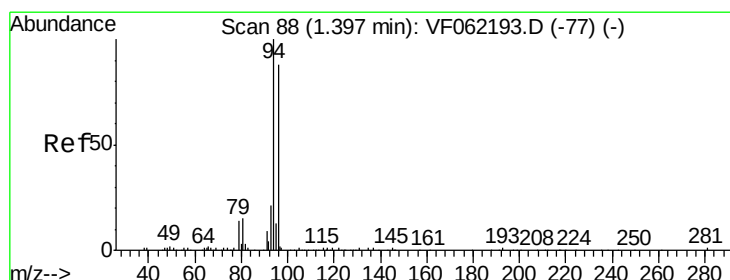
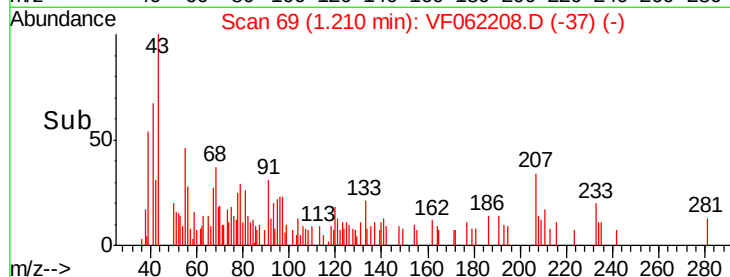
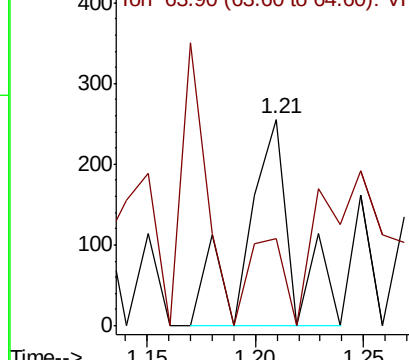
62 100

64 0.0 26.2 39.4#



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0



#5

Bromomethane

Concen: 0.701 ug/l

RT: 1.35 min Scan# 83

Delta R.T. -0.05 min

Lab File: VF062208.D

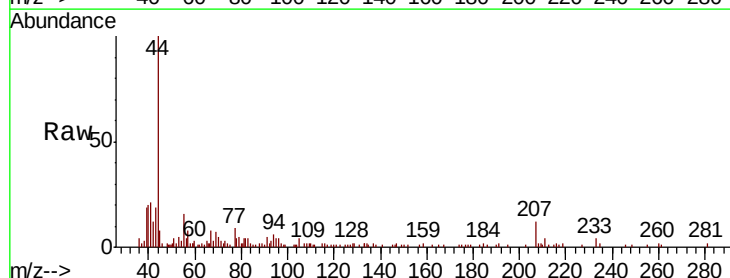
Acq: 18 Apr 2019 16:42

Tgt Ion: 94 Resp: 550

Ion Ratio Lower Upper

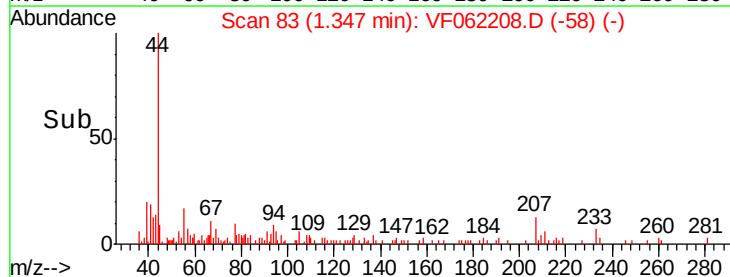
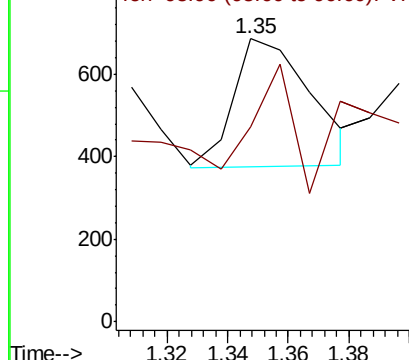
94 100

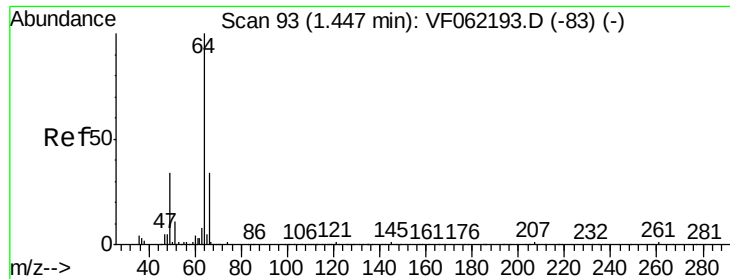
96 17.6 70.2 105.4#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0





#6

Chloroethane

Concen: 1.340 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.00 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

Instrument :

MSVOA\_F

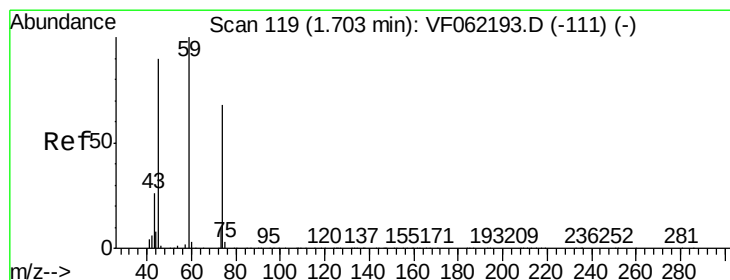
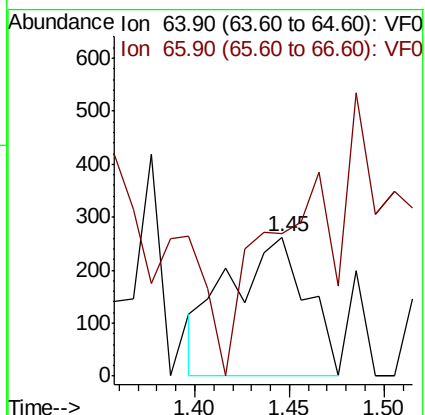
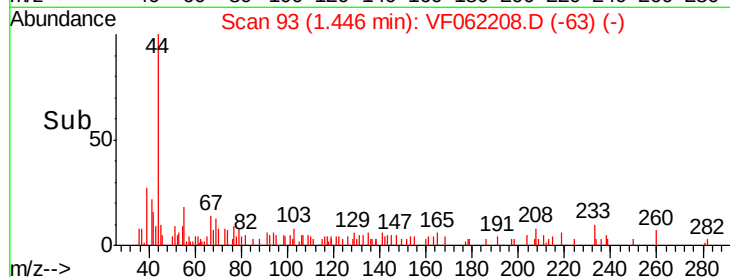
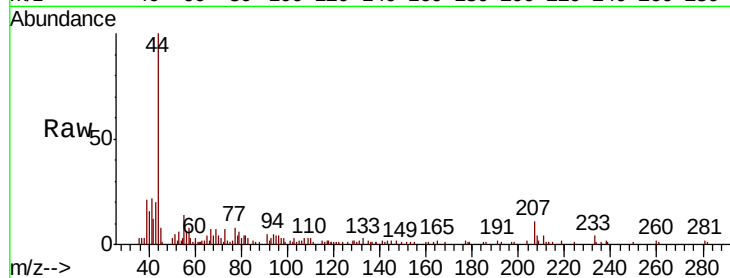
ClientSampleId :

Tot Ion: 64 Resp: 757

Ion Ratio Lower Upper

64 100

66 38.0 27.0 40.4



#8

Diethyl Ether

Concen: 3.862 ug/l

RT: 1.71 min Scan# 120

Delta R.T. 0.01 min

Lab File: VF062208.D

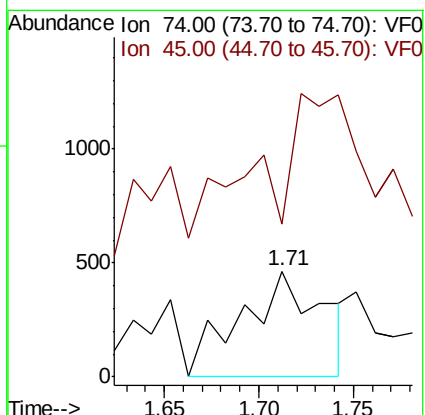
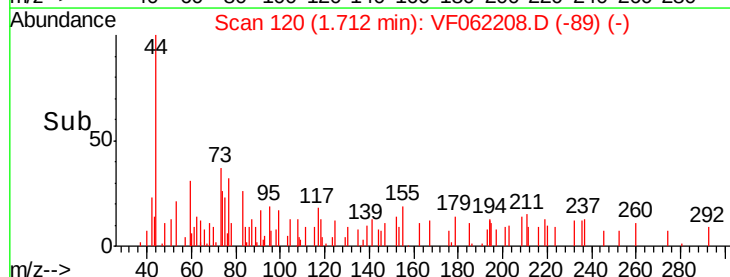
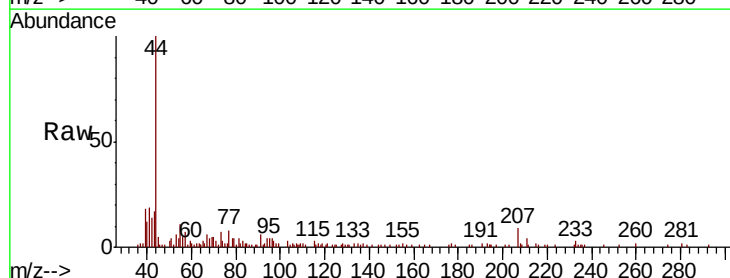
Acq: 18 Apr 2019 16:42

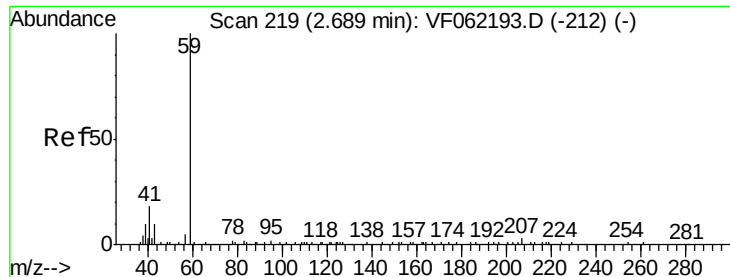
Tgt Ion: 74 Resp: 1380

Ion Ratio Lower Upper

74 100

45 170.5 70.0 210.2



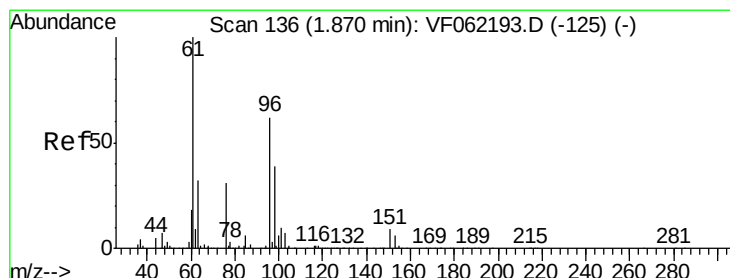
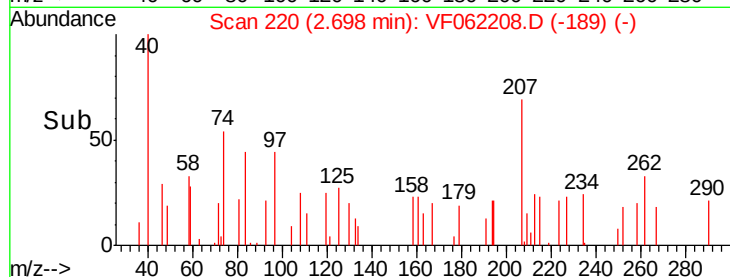
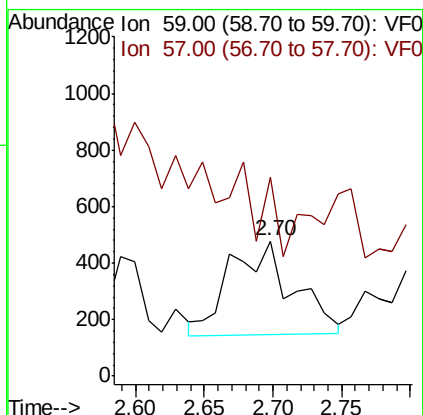
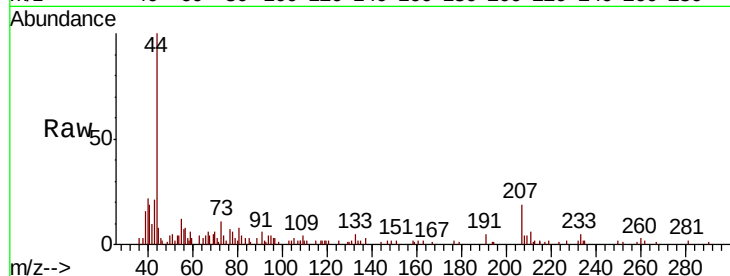


#11

Tert butyl alcohol  
Concen: 16.685 ug/l  
RT: 2.70 min Scan# 220  
Delta R.T. 0.01 min  
Lab File: VF062208.D  
Acq: 18 Apr 2019 16:42

Instrument :  
MSVOA\_F  
ClientSampleId :

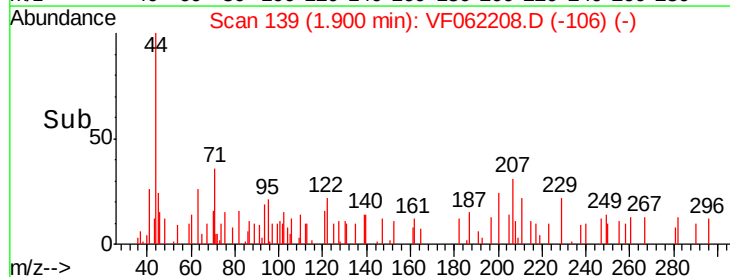
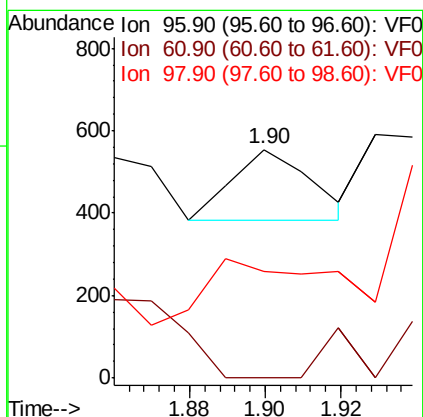
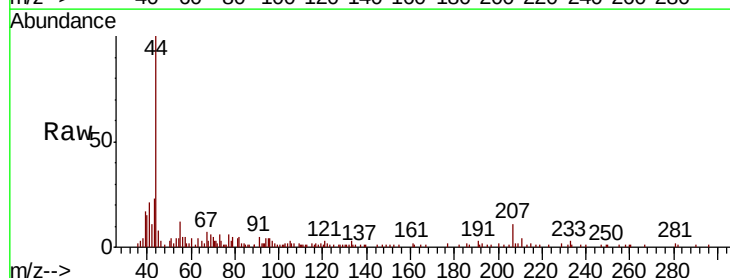
Tot Ion: 59 Resp: 1065  
Ion Ratio Lower Upper  
59 100  
57 0.0 9.3 13.9#

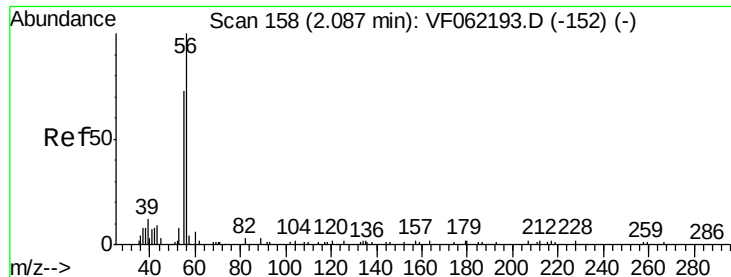


#12

1,1-Dichloroethene  
Concen: 0.222 ug/l  
RT: 1.90 min Scan# 139  
Delta R.T. 0.03 min  
Lab File: VF062208.D  
Acq: 18 Apr 2019 16:42

Tgt Ion: 96 Resp: 248  
Ion Ratio Lower Upper  
96 100  
61 0.0 129.1 193.7#  
98 55.8 50.0 75.0

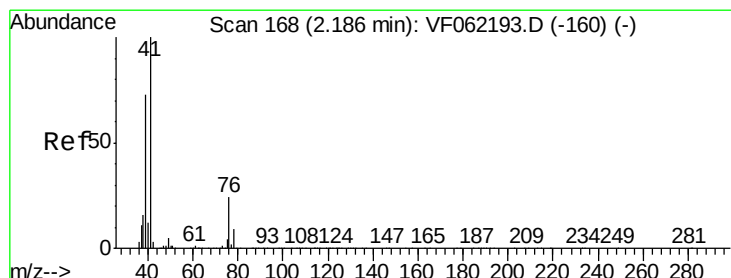
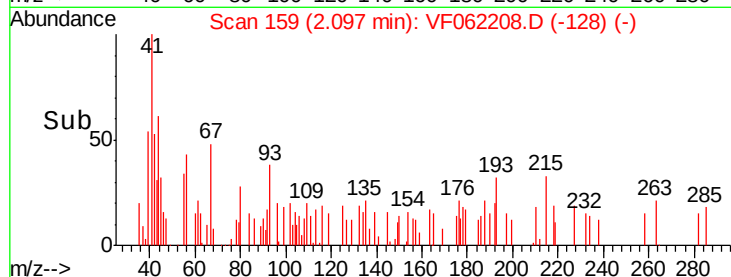
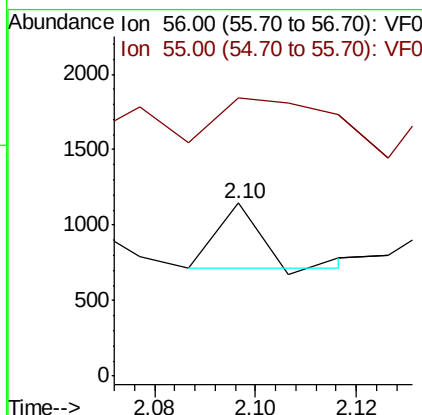
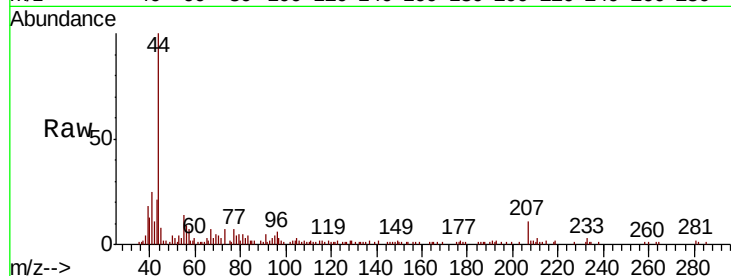




#13  
Acrolein  
Concen: Below Cal  
RT: 2.10 min Scan# 159  
Delta R.T. 0.01 min  
Lab File: VF062208.D  
Acq: 18 Apr 2019 16:42

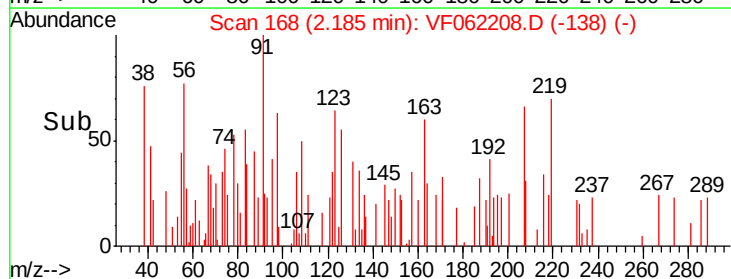
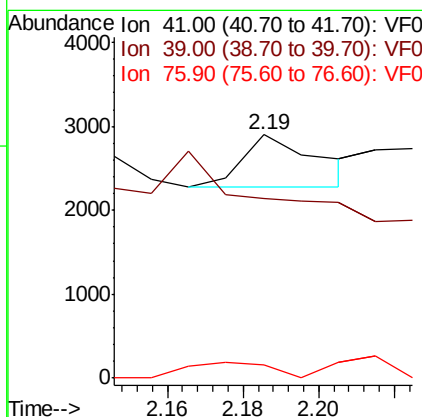
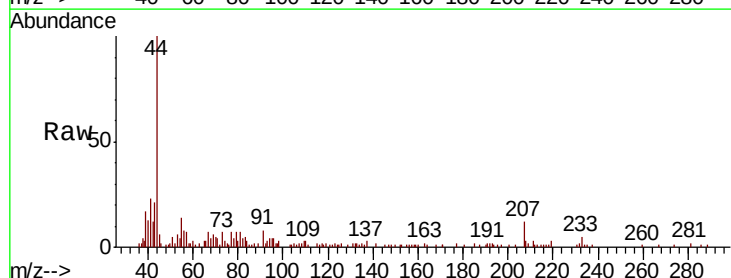
Instrument :  
MSVOA\_F  
ClientSampled :

Tot Ion: 56 Resp: 270  
Ion Ratio Lower Upper  
56 100  
55 357.8 57.4 86.0#

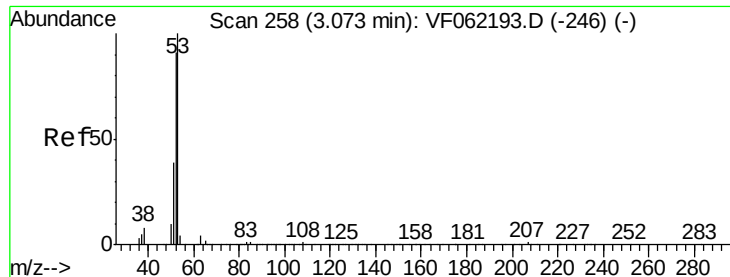


#14  
Allyl chloride  
Concen: 0.668 ug/l  
RT: 2.19 min Scan# 168  
Delta R.T. -0.00 min  
Lab File: VF062208.D  
Acq: 18 Apr 2019 16:42

Tgt Ion: 41 Resp: 855  
Ion Ratio Lower Upper  
41 100  
39 156.1 60.0 90.0#  
76 33.8 20.6 30.8#







#15

Acrylonitrile

Concen: 3.853 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.03 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

Instrument :  
MSVOA\_F  
ClientSampleId :

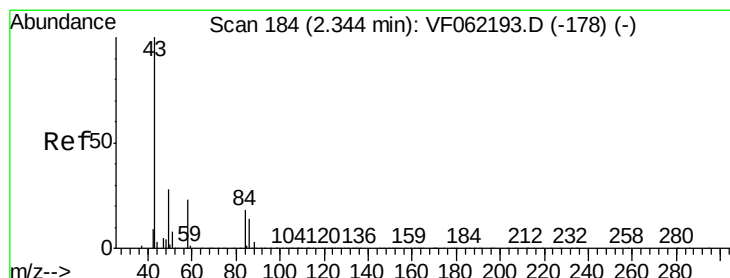
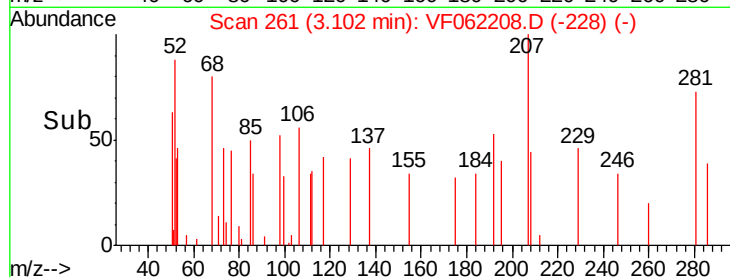
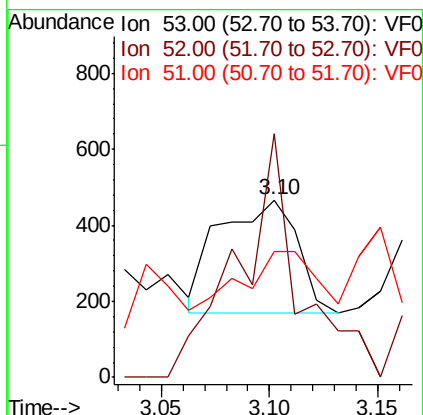
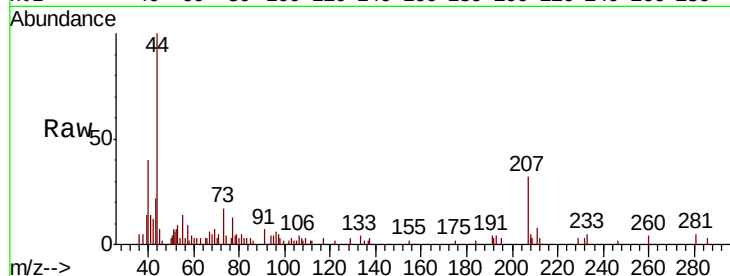
Tot Ion: 53 Resp: 749

Ion Ratio Lower Upper

53 100

52 167.6 69.5 104.3#

51 46.5 31.8 47.8



#16

Acetone

Concen: 48.730 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062208.D

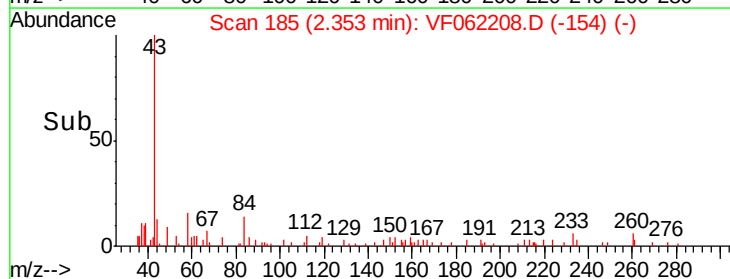
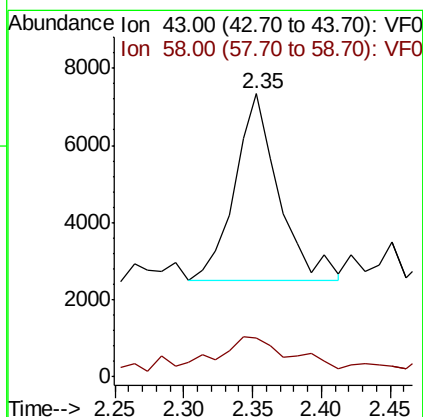
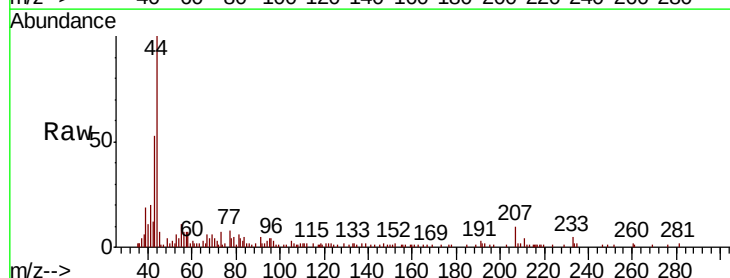
Acq: 18 Apr 2019 16:42

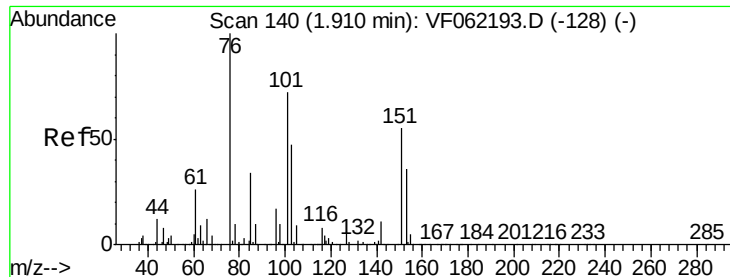
Tgt Ion: 43 Resp: 10696

Ion Ratio Lower Upper

43 100

58 15.9 18.8 28.2#





#17

Carbon Disulfide

Concen: 0.209 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

Instrument :

MSVOA\_F

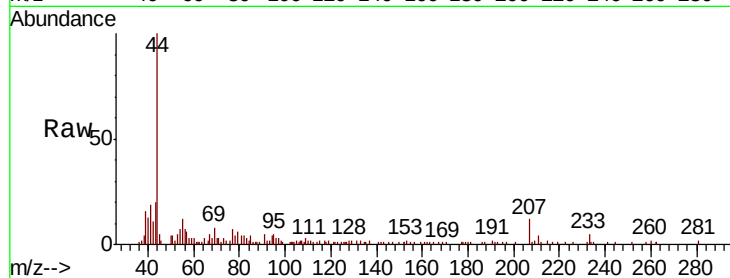
ClientSampleId :

Tot Ion: 76 Resp: 647

Ion Ratio Lower Upper

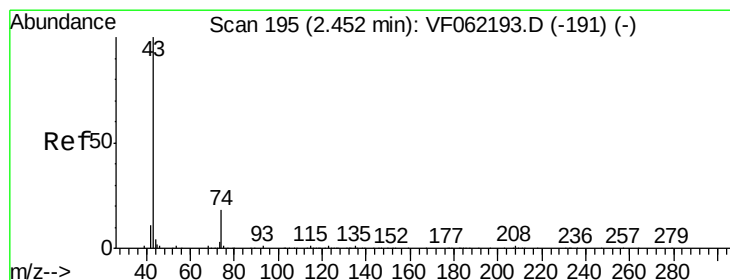
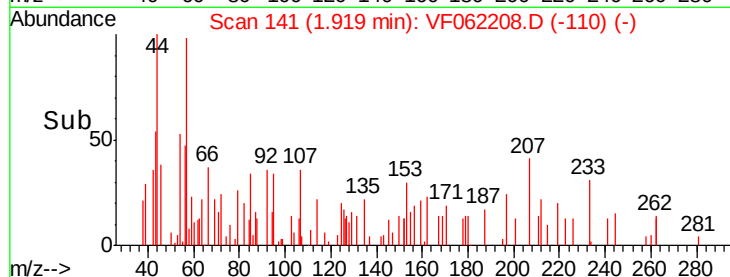
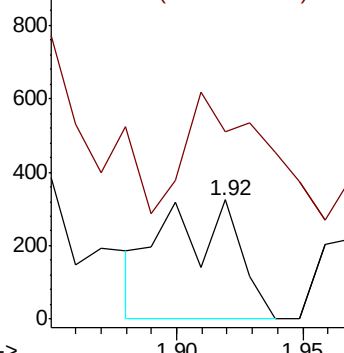
76 100

78 16.7 8.7 13.1#



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.50 min Scan# 200

Delta R.T. 0.05 min

Lab File: VF062208.D

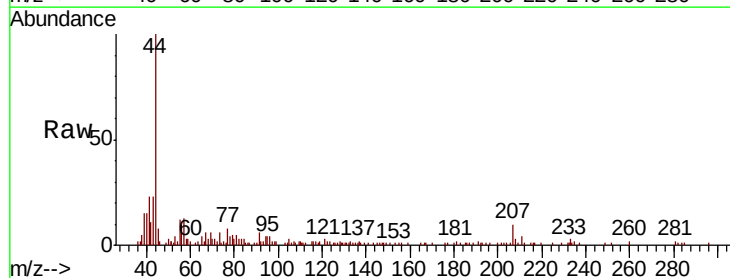
Acq: 18 Apr 2019 16:42

Tgt Ion: 43 Resp: 1094

Ion Ratio Lower Upper

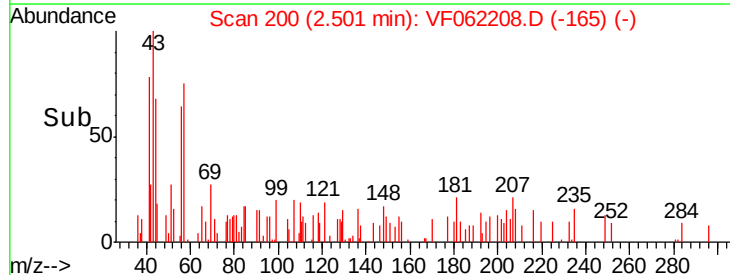
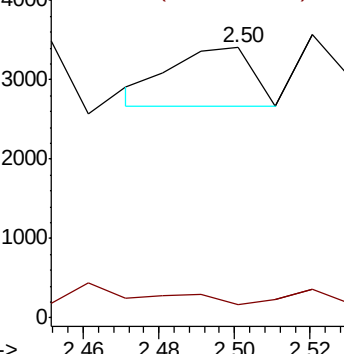
43 100

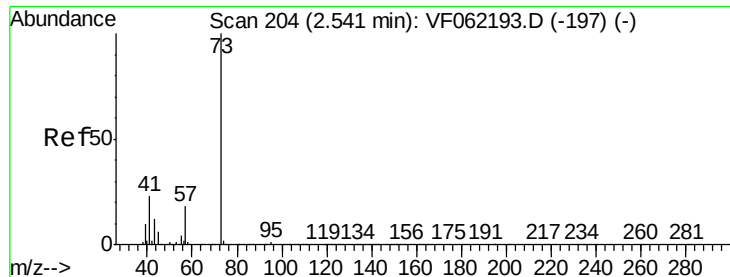
74 20.7 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



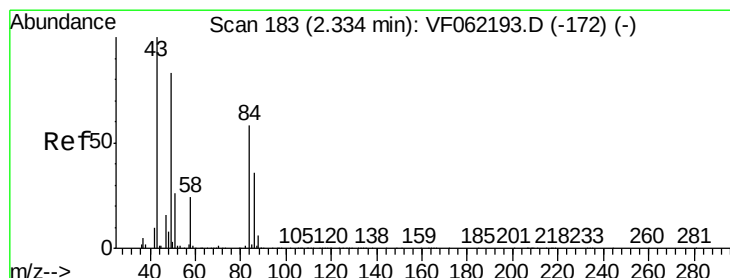
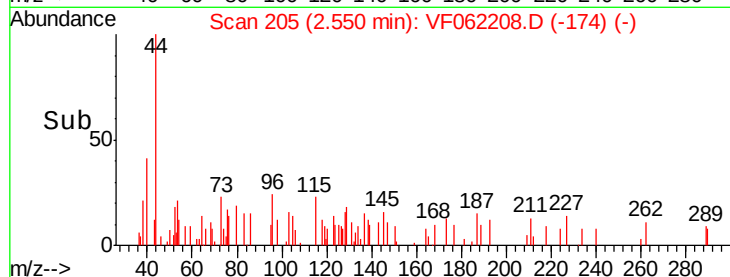
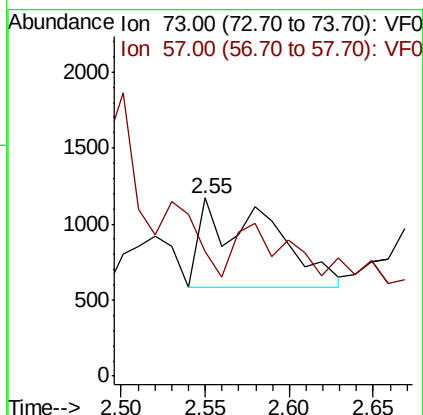
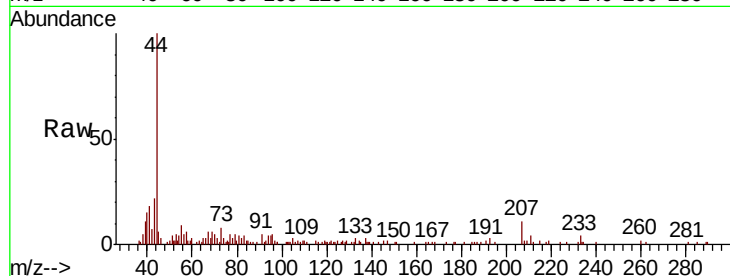


#19

Methyl tert-butyl Ether  
 Concen: 0.855 ug/l  
 RT: 2.55 min Scan# 205  
 Delta R.T. 0.01 min  
 Lab File: VF062208.D  
 Acq: 18 Apr 2019 16:42

Instrument :  
 MSVOA\_F  
 ClientSampleId :

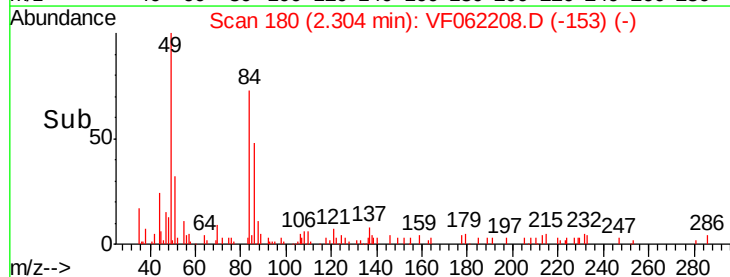
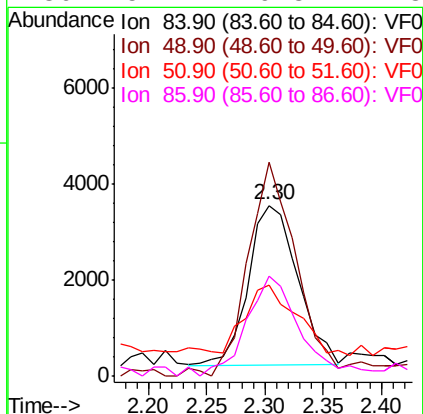
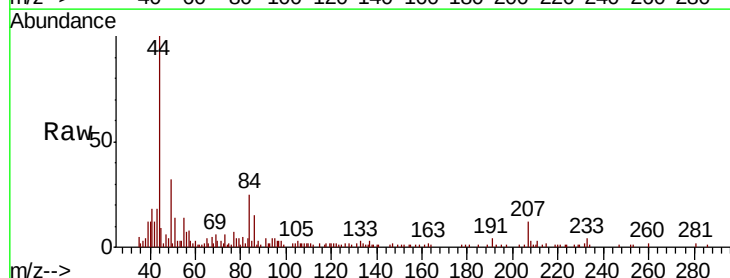
Tot Ion: 73 Resp: 1684  
 Ion Ratio Lower Upper  
 73 100  
 57 6.3 15.1 22.7#

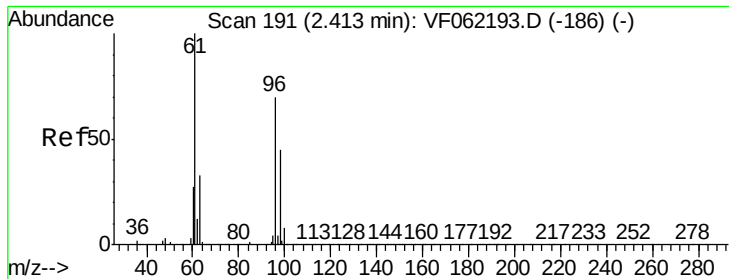


#20

Methylene Chloride  
 Concen: 3.195 ug/l  
 RT: 2.30 min Scan# 180  
 Delta R.T. -0.03 min  
 Lab File: VF062208.D  
 Acq: 18 Apr 2019 16:42

Tgt Ion: 84 Resp: 9763  
 Ion Ratio Lower Upper  
 84 100  
 49 129.6 114.0 171.0  
 51 41.2 37.0 55.4  
 86 57.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 0.929 ug/l

RT: 2.43 min Scan# 193

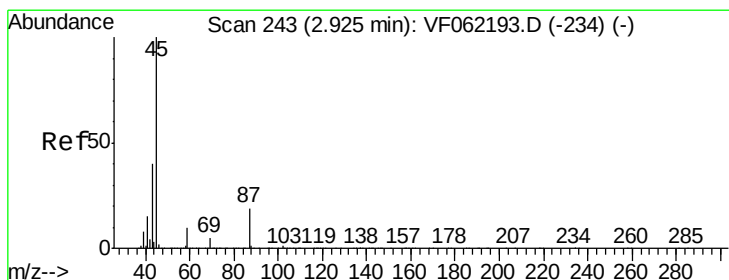
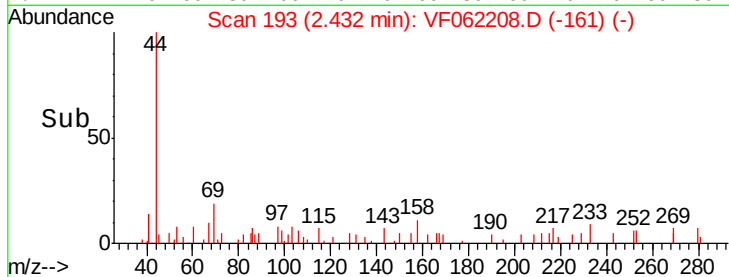
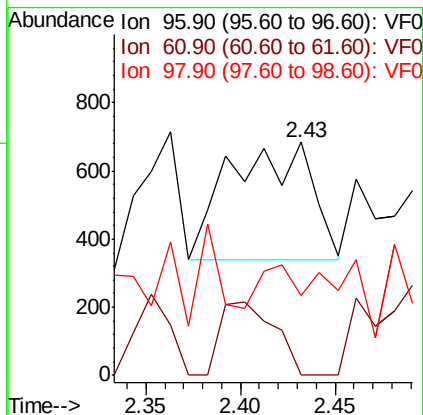
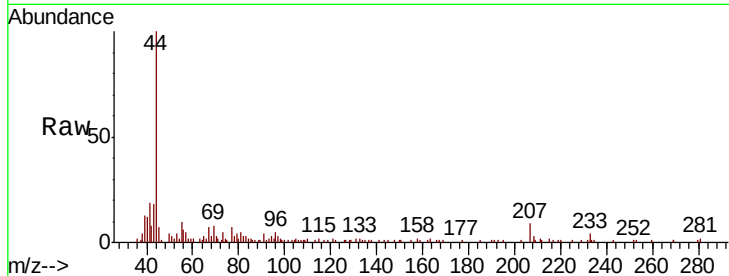
Delta R.T. 0.02 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

Instrument :  
MSVOA\_F  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 1025   |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 0.0   | 114.6 | 172.0# |
| 98       | 26.5  | 51.2  | 76.8#  |



#22

Diisopropyl ether

Concen: 0.386 ug/l

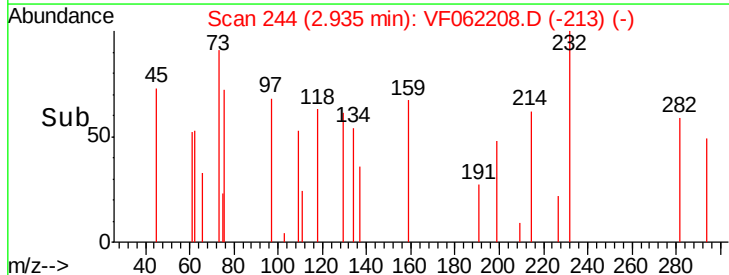
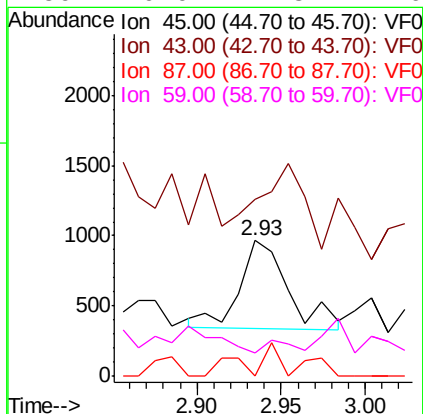
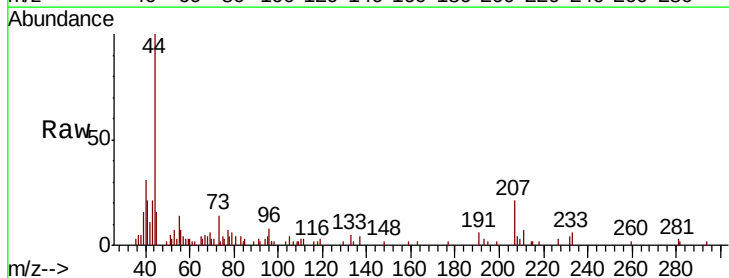
RT: 2.93 min Scan# 244

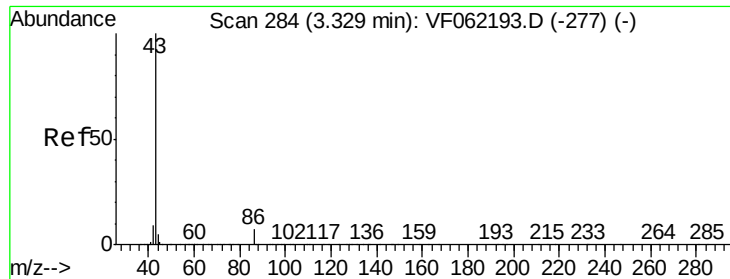
Delta R.T. 0.01 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 1264  |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 32.3  | 32.8  | 49.2# |
| 87       | 0.0   | 15.2  | 22.8# |
| 59       | 0.0   | 7.8   | 11.6# |





#23

Vinyl Acetate

Concen: 1.051 ug/l

RT: 3.28 min Scan# 279

Delta R.T. -0.05 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

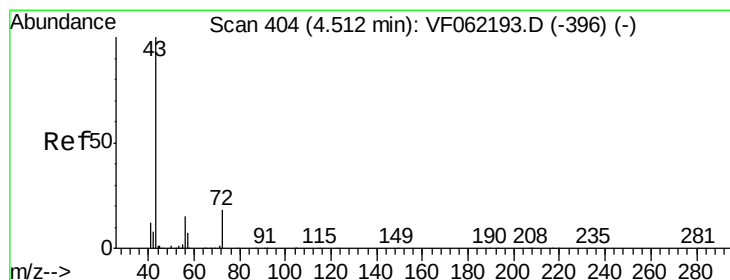
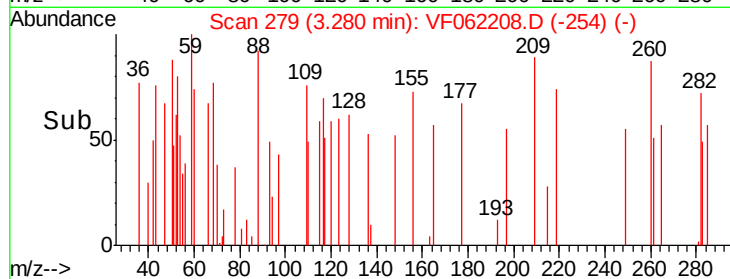
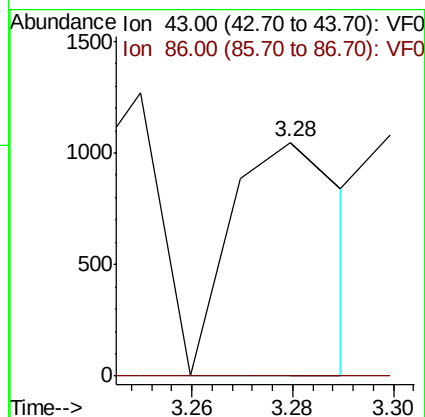
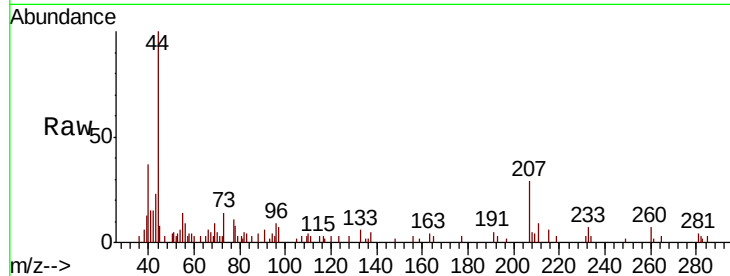
Instrument :  
MSVOA\_F  
ClientSampled :

Tot Ion: 43 Resp: 1640

Ion Ratio Lower Upper

43 100

86 0.0 5.9 8.9#



#25

2-Butanone

Concen: 2.575 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.02 min

Lab File: VF062208.D

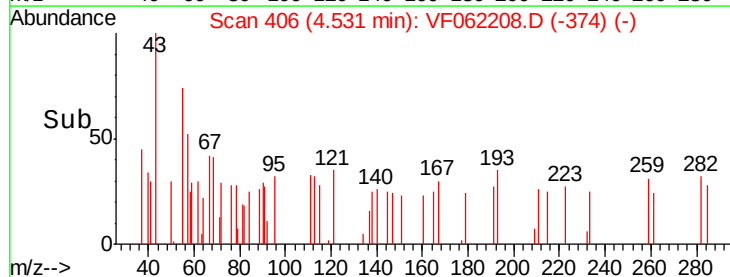
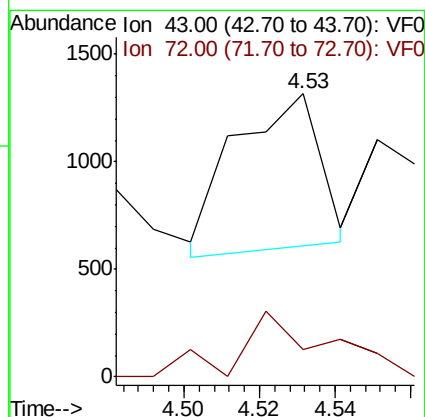
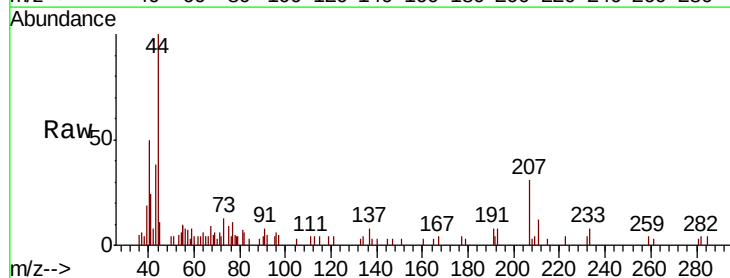
Acq: 18 Apr 2019 16:42

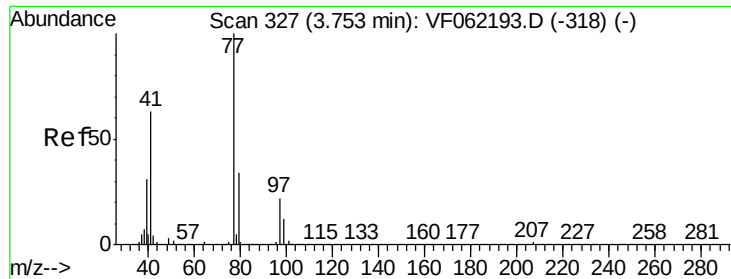
Tgt Ion: 43 Resp: 1130

Ion Ratio Lower Upper

43 100

72 0.3 16.1 24.1#

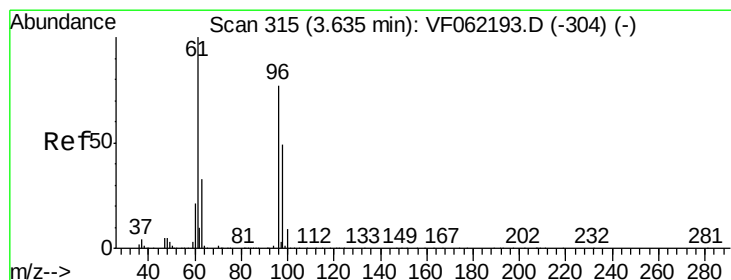
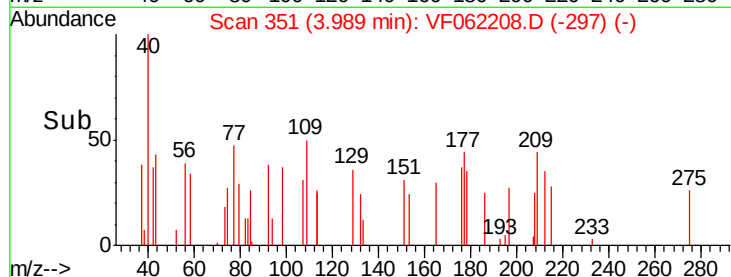
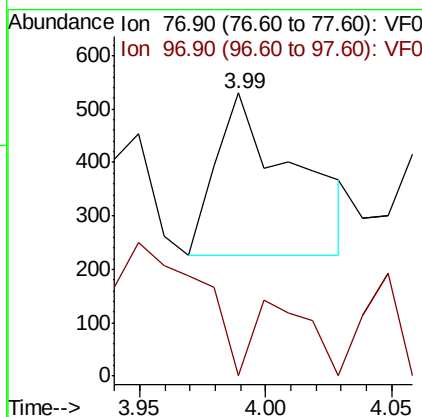
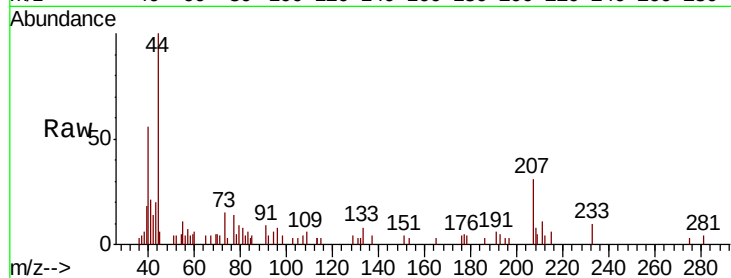




#26  
2,2-Dichloropropane  
Concen: 0.721 ug/l  
RT: 3.99 min Scan# 351  
Delta R.T. 0.24 min  
Lab File: VF062208.D  
Acq: 18 Apr 2019 16:42

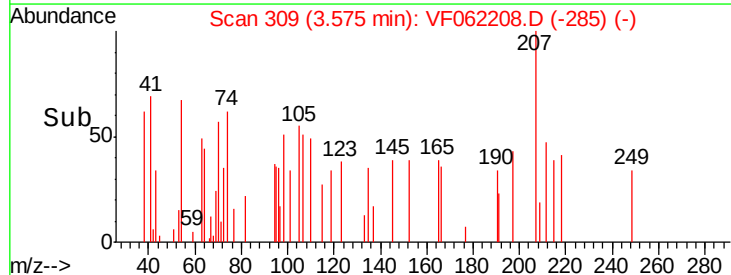
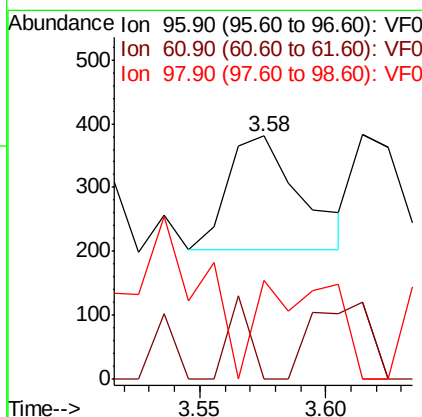
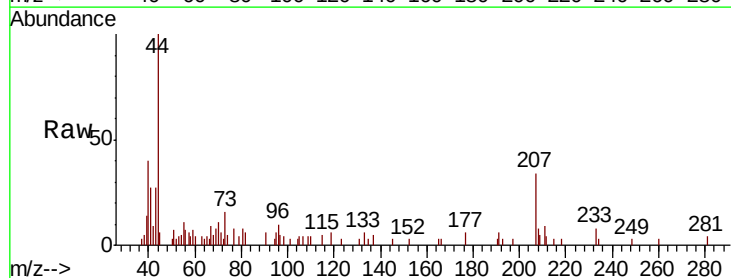
Instrument :  
MSVOA\_F  
ClientSampled :

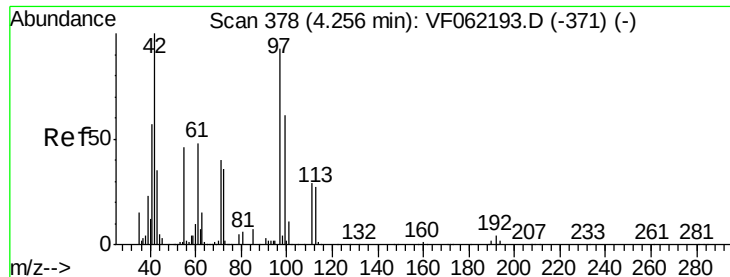
Tot Ion: 77 Resp: 652  
Ion Ratio Lower Upper  
77 100  
97 33.0 11.1 33.3



#27  
cis-1,2-Dichloroethene  
Concen: 0.250 ug/l  
RT: 3.58 min Scan# 309  
Delta R.T. -0.06 min  
Lab File: VF062208.D  
Acq: 18 Apr 2019 16:42

Tgt Ion: 96 Resp: 357  
Ion Ratio Lower Upper  
96 100  
61 21.3 0.0 253.6  
98 90.2 0.0 124.8





#29

Tetrahydrofuran

Concen: 5.497 ug/l

RT: 4.30 min Scan# 383

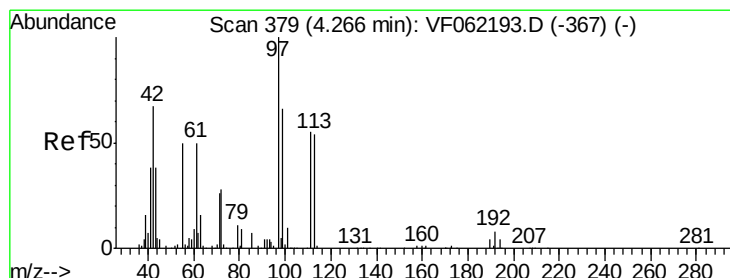
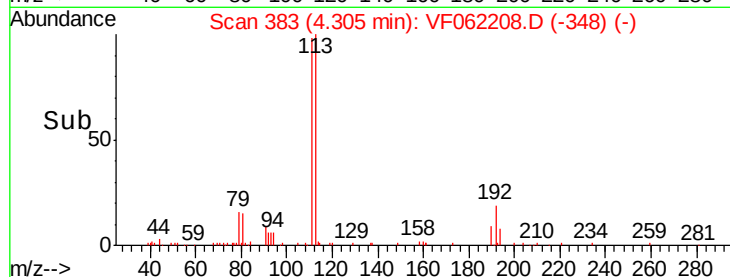
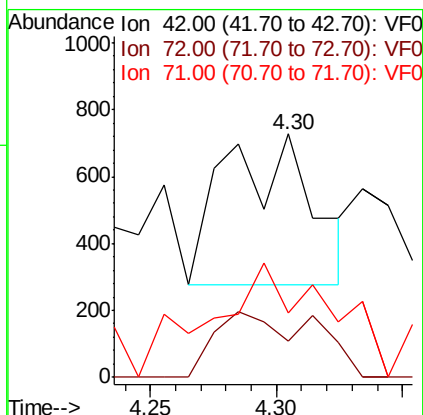
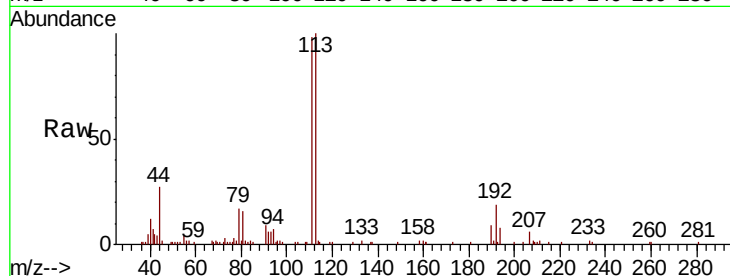
Delta R.T. 0.05 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

Instrument :  
MSVOA\_F  
ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 42    | Resp: | 1092  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 48.6  | 28.6  | 43.0# |
| 71       | 102.2 | 29.2  | 43.8# |



#32

1,1,1-Trichloroethane

Concen: 0.632 ug/l

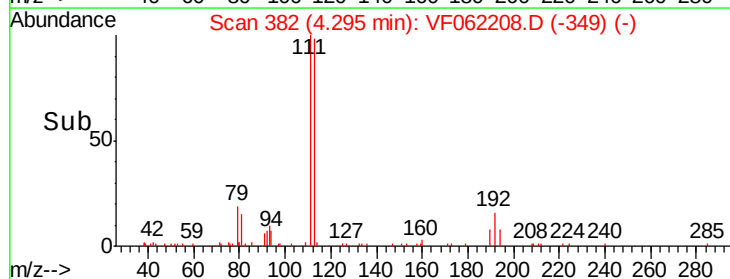
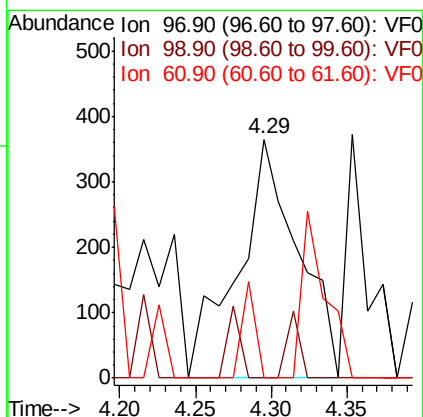
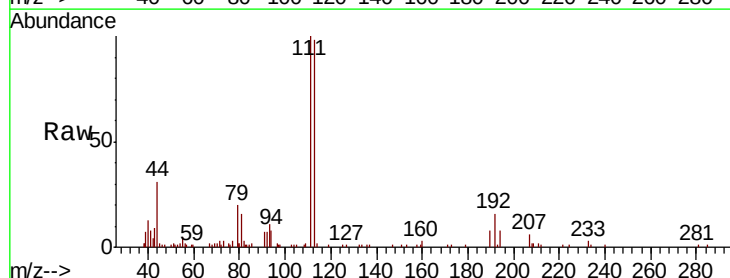
RT: 4.29 min Scan# 382

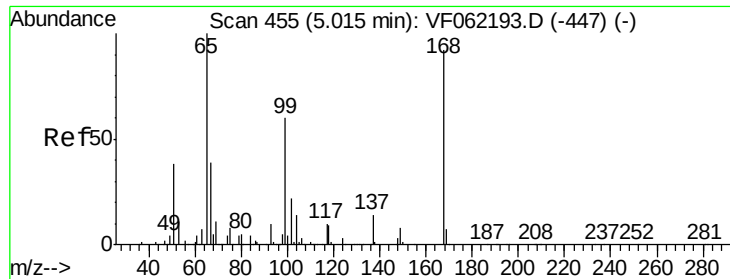
Delta R.T. 0.03 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 1018  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 6.5   | 52.7  | 79.1# |
| 61       | 8.5   | 53.0  | 79.4# |

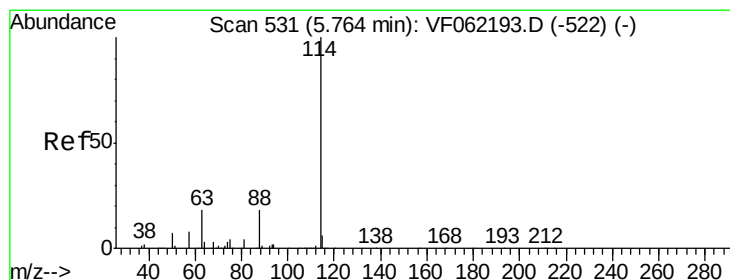
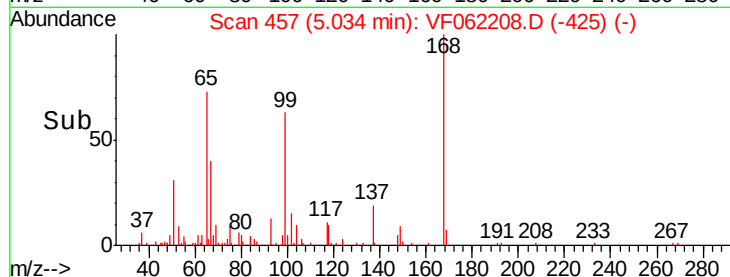
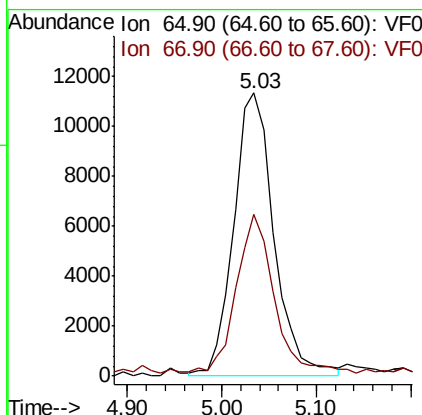
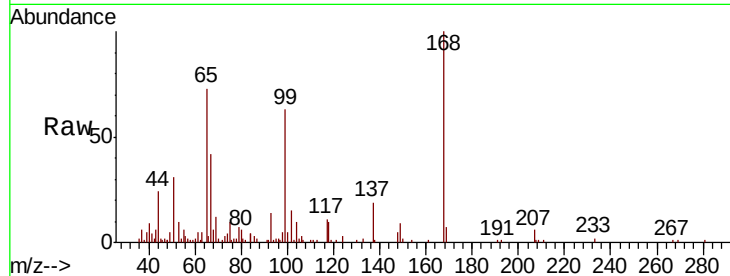




#33  
 1,2-Dichloroethane-d4  
 Concen: 36.524 ug/l  
 RT: 5.03 min Scan# 457  
 Delta R.T. 0.02 min  
 Lab File: VF062208.D  
 Acq: 18 Apr 2019 16:42

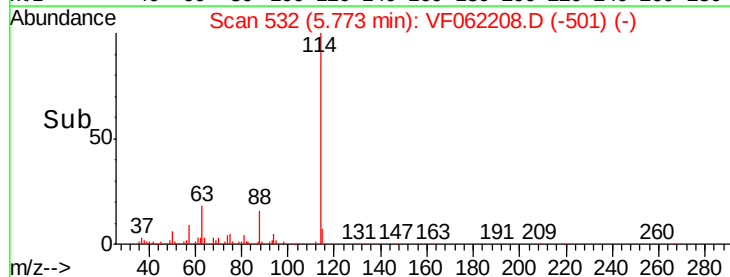
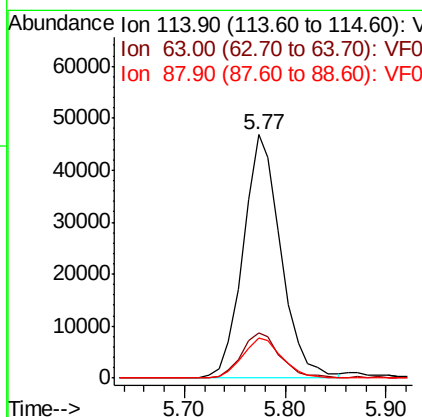
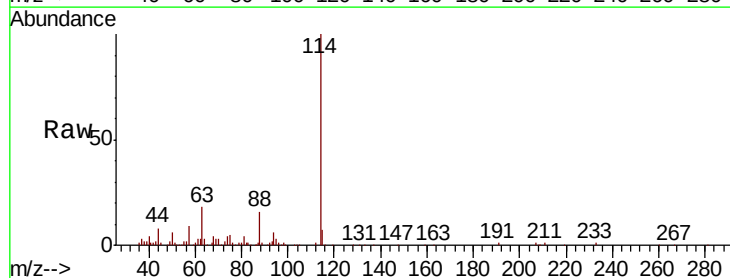
Instrument :  
 MSVOA\_F  
 ClientSampleId :

Tot Ion: 65 Resp: 33539  
 Ion Ratio Lower Upper  
 65 100  
 67 52.5 0.0 109.4

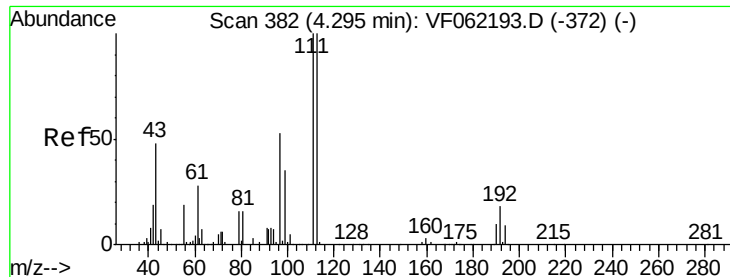


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.77 min Scan# 532  
 Delta R.T. 0.01 min  
 Lab File: VF062208.D  
 Acq: 18 Apr 2019 16:42

Tgt Ion: 114 Resp: 121703  
 Ion Ratio Lower Upper  
 114 100  
 63 18.0 0.0 36.6  
 88 16.4 0.0 35.8







#35

Dibromofluoromethane

Concen: 45.620 ug/l

RT: 4.30 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

Instrument :  
MSVOA\_F  
ClientSampleId :

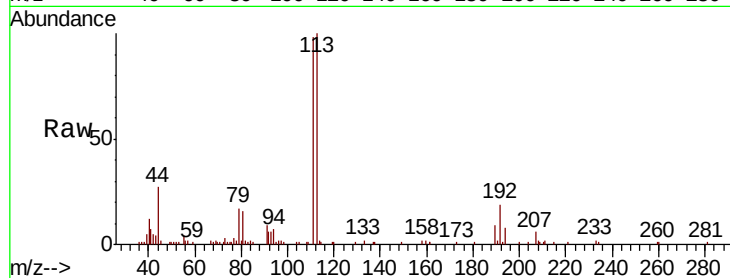
Tot Ion:113 Resp: 48566

Ion Ratio Lower Upper

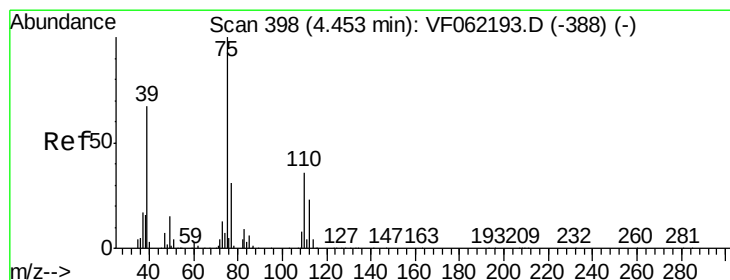
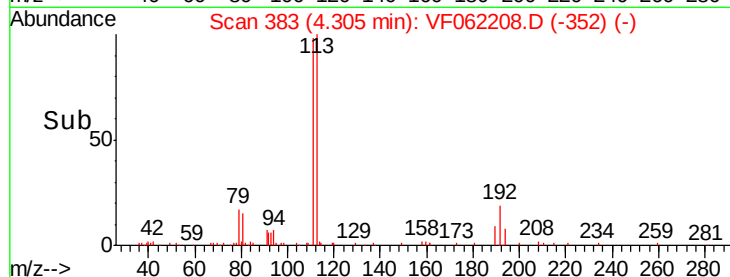
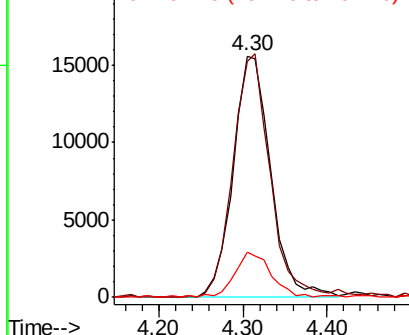
113 100

111 99.2 81.1 121.7

192 18.3 14.7 22.1



Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 0.319 ug/l

RT: 4.47 min Scan# 400

Delta R.T. 0.02 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

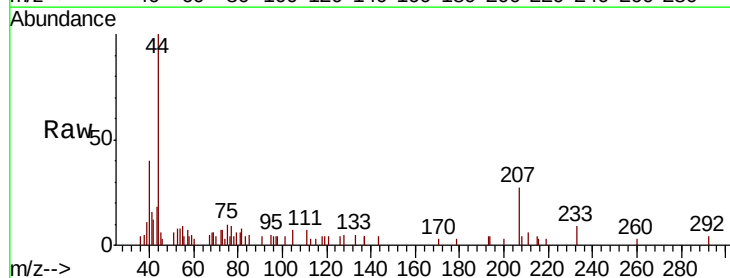
Tgt Ion: 75 Resp: 465

Ion Ratio Lower Upper

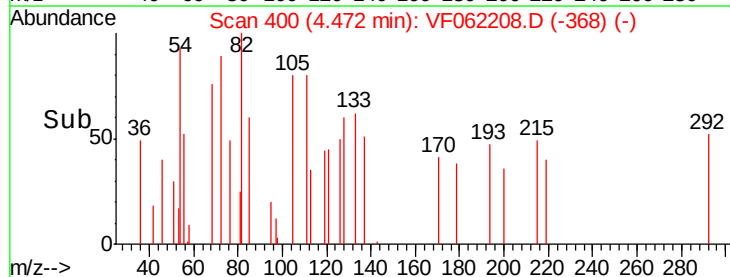
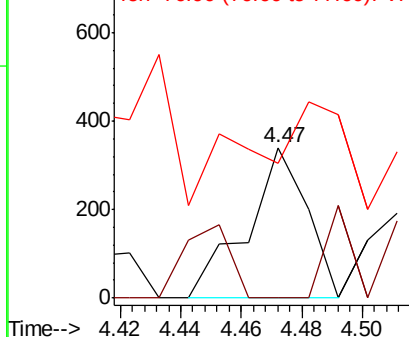
75 100

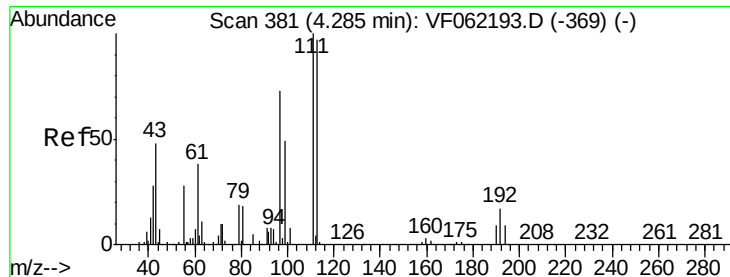
110 48.8 18.4 55.2

77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VF0  
Ion 109.90 (109.60 to 110.60): V  
Ion 76.90 (76.60 to 77.60): VF0

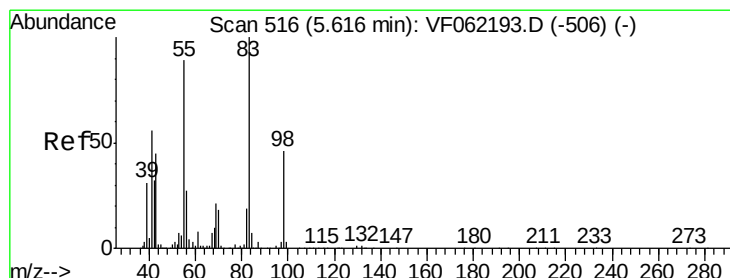
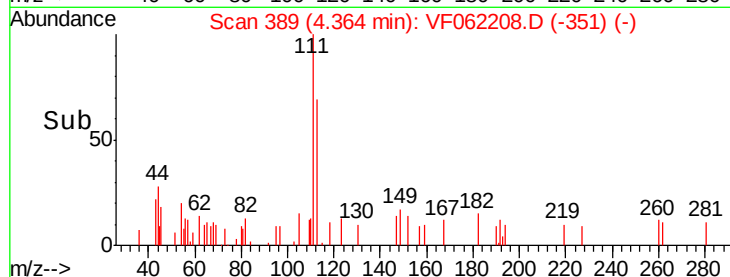
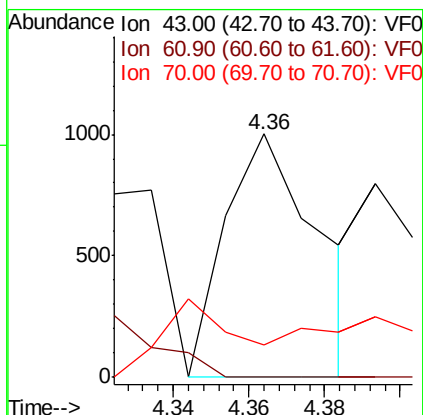
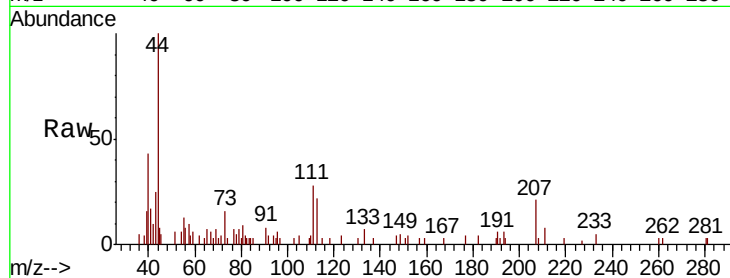




#37  
Ethyl Acetate  
Concen: 2.462 ug/l  
RT: 4.36 min Scan# 389  
Delta R.T. 0.08 min  
Lab File: VF062208.D  
Acq: 18 Apr 2019 16:42

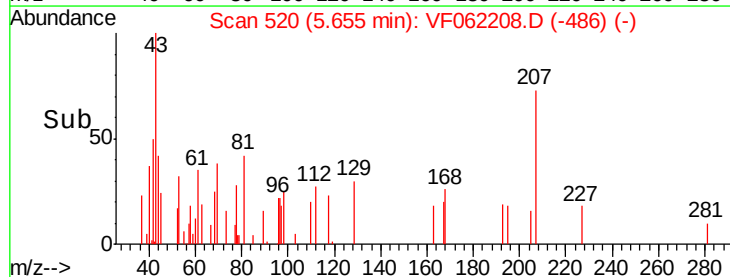
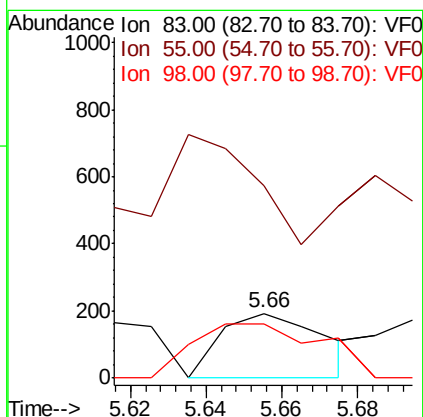
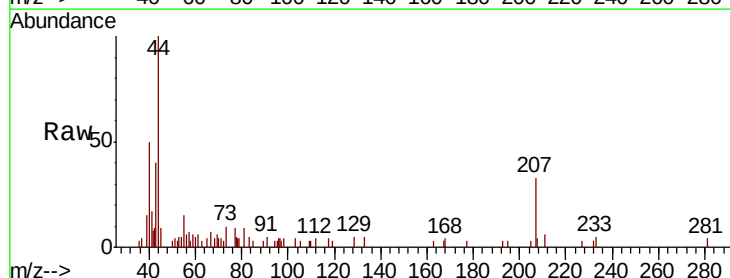
Instrument :  
MSVOA\_F  
ClientSampled :

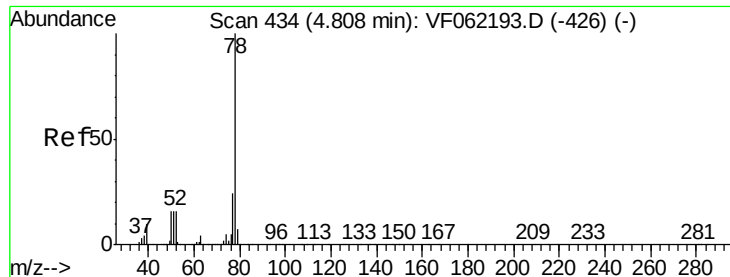
Tot Ion: 43 Resp: 1695  
Ion Ratio Lower Upper  
43 100  
61 0.0 0.0 0.0  
70 27.0 7.8 11.6#



#39  
Methylcyclohexane  
Concen: 0.206 ug/l  
RT: 5.66 min Scan# 520  
Delta R.T. 0.04 min  
Lab File: VF062208.D  
Acq: 18 Apr 2019 16:42

Tgt Ion: 83 Resp: 360  
Ion Ratio Lower Upper  
83 100  
55 33.3 71.0 106.6#  
98 31.3 36.7 55.1#





#40

Benzene

Concen: 0.796 ug/l

RT: 4.82 min Scan# 435

Delta R.T. 0.01 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

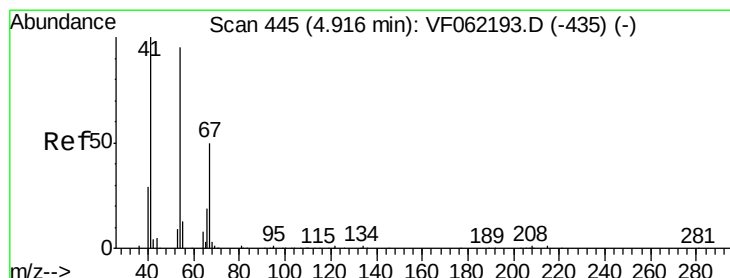
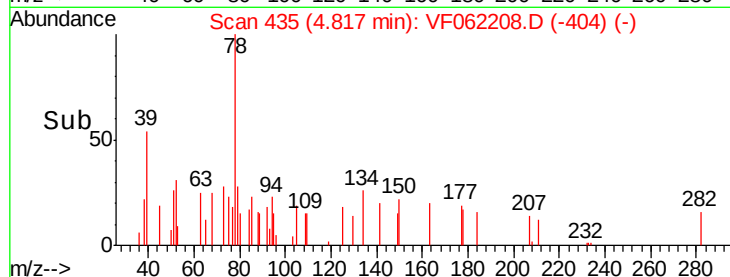
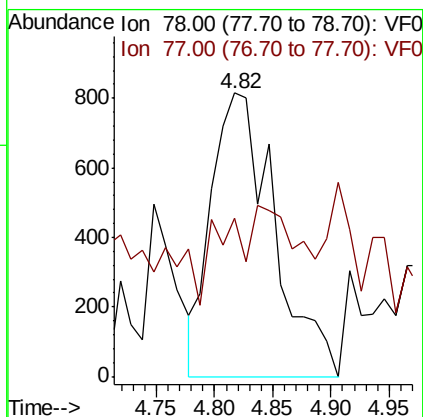
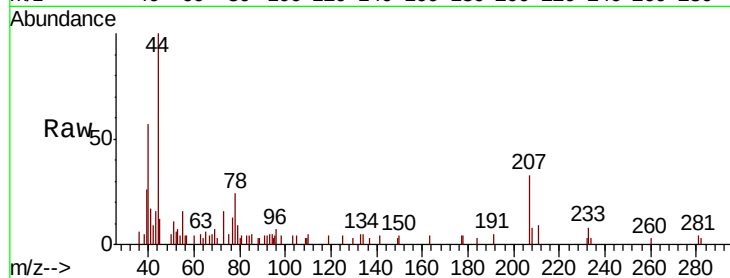
Instrument :  
MSVOA\_F  
ClientSampled :

Tot Ion: 78 Resp: 3047

Ion Ratio Lower Upper

78 100

77 11.0 18.9 28.3#



#41

Methacrylonitrile

Concen: 2.032 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.00 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

Tgt Ion: 41 Resp: 807

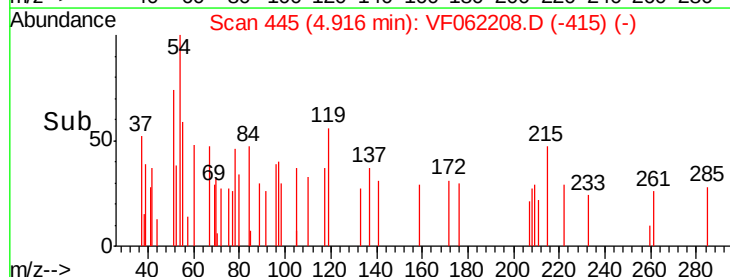
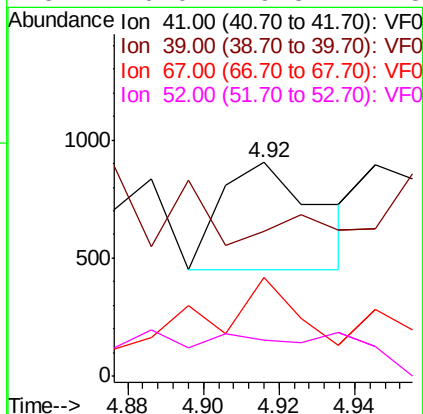
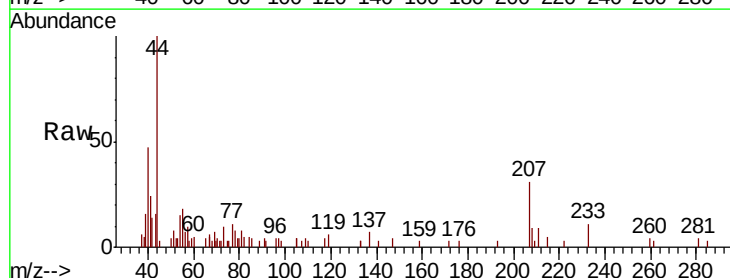
Ion Ratio Lower Upper

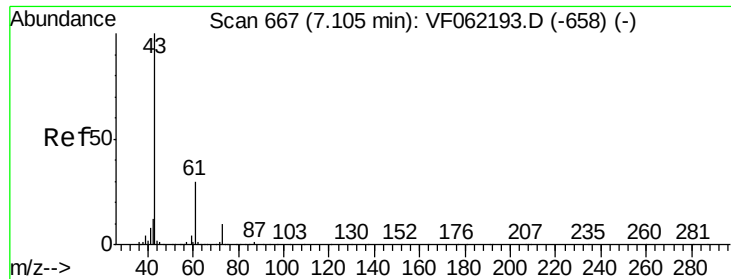
41 100

39 0.0 44.7 67.1#

67 0.0 39.1 58.7#

52 0.0 49.8 74.8#





#43

Isopropyl Acetate

Concen: 5.080 ug/l

RT: 7.11 min Scan# 668

Delta R.T. 0.01 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

Instrument :

MSVOA\_F

ClientSampled :

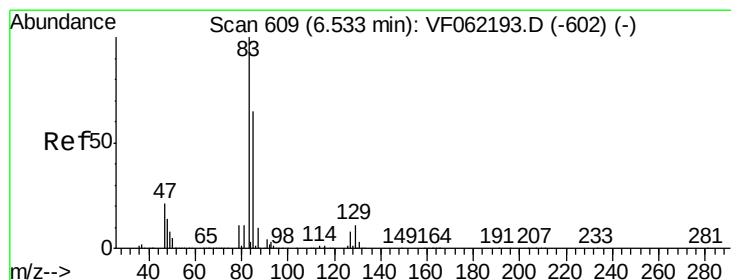
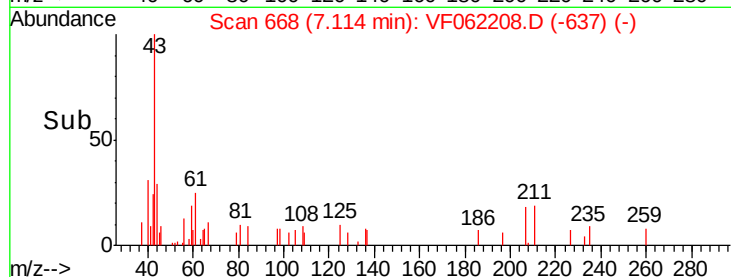
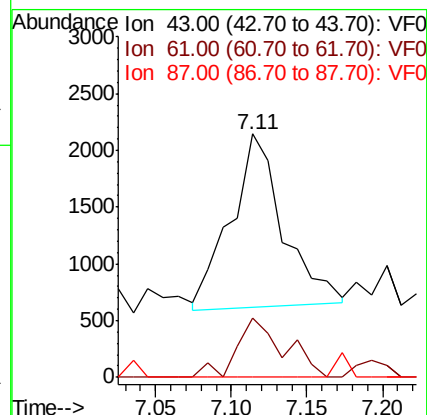
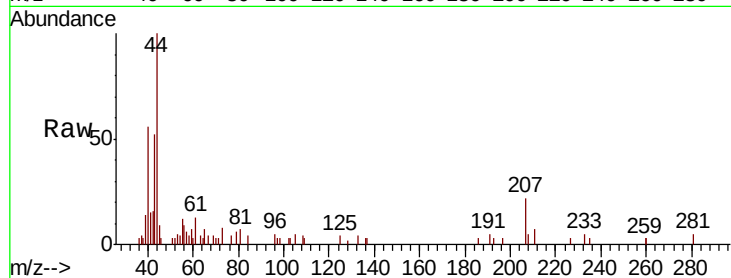
Tot Ion: 43 Resp: 3679

Ion Ratio Lower Upper

43 100

61 30.9 24.4 36.6

87 0.0 0.4 0.6#



#47

Bromodichloromethane

Concen: 0.320 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.03 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

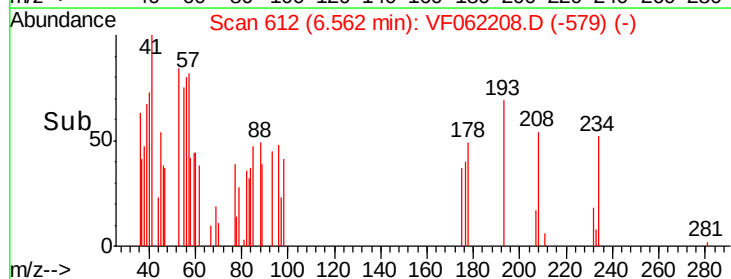
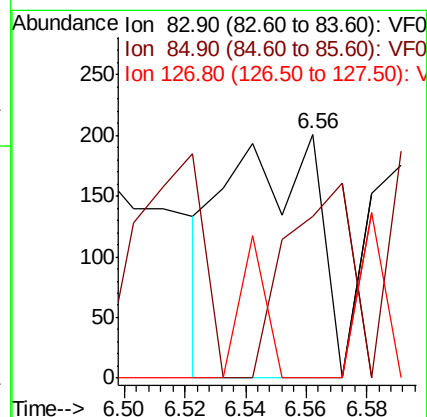
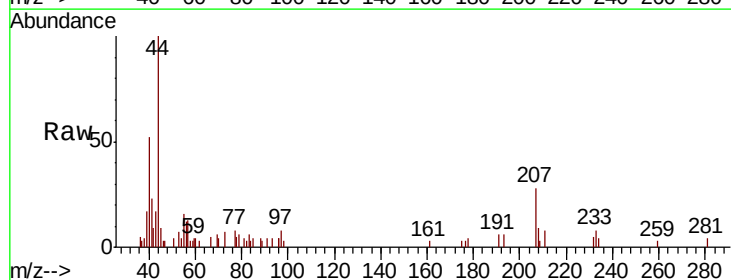
Tgt Ion: 83 Resp: 405

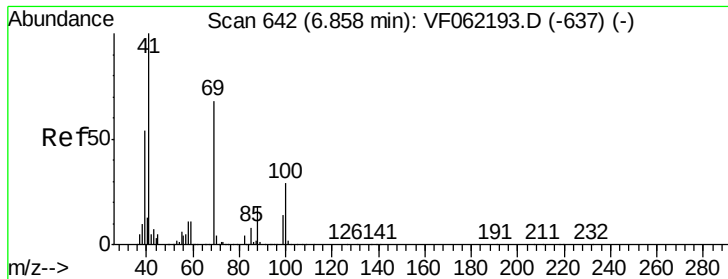
Ion Ratio Lower Upper

83 100

85 0.0 52.2 78.4#

127 0.0 6.7 10.1#

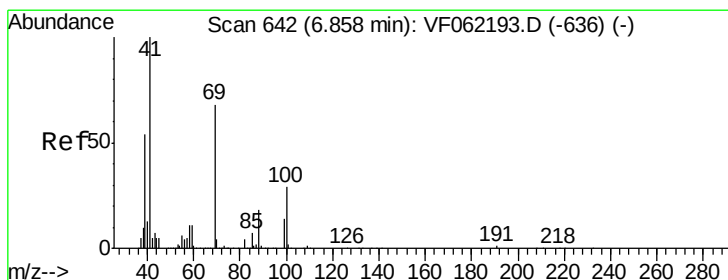
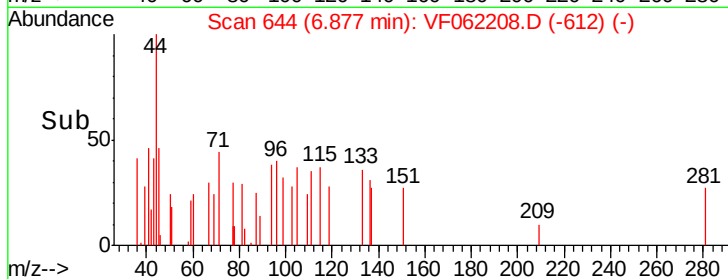
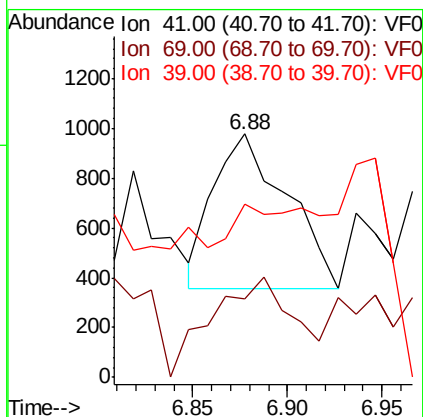
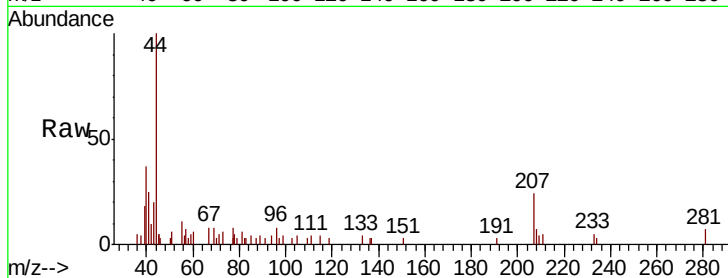




#48  
Methvl methacrylate  
Concen: 3.503 ug/l  
RT: 6.88 min Scan# 644  
Delta R.T. 0.02 min  
Lab File: VF062208.D  
Acq: 18 Apr 2019 16:42

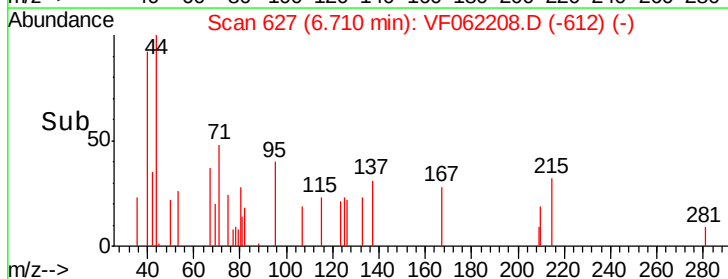
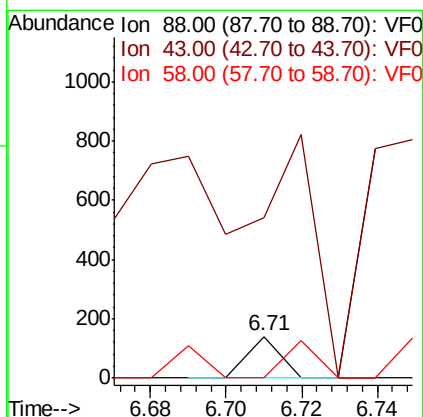
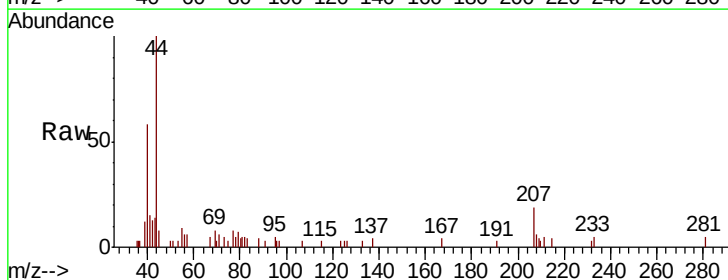
Instrument :  
MSVOA\_F  
ClientSampled :

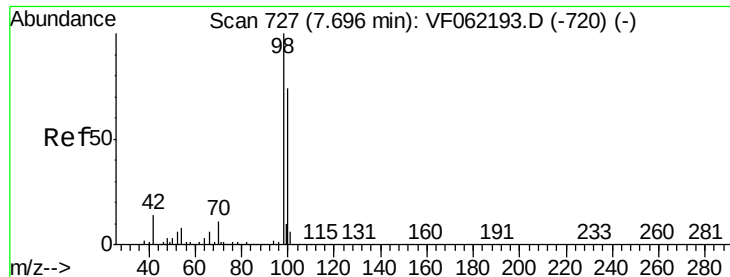
Tot Ion: 41 Resp: 1667  
Ion Ratio Lower Upper  
41 100  
69 73.8 54.9 82.3  
39 12.5 43.6 65.4#



#49  
1,4-Dioxane  
Concen: 15.207 ug/l  
RT: 6.71 min Scan# 627  
Delta R.T. -0.15 min  
Lab File: VF062208.D  
Acq: 18 Apr 2019 16:42

Tgt Ion: 88 Resp: 83  
Ion Ratio Lower Upper  
88 100  
43 0.0 36.9 55.3#  
58 90.4 56.8 85.2#





#50

Toluene-d8

Concen: 46.884 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.02 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

Instrument :

MSVOA\_F

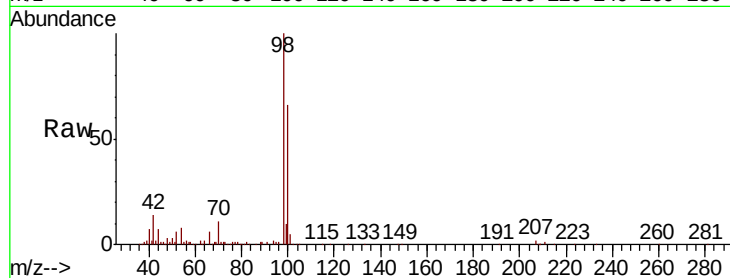
ClientSampleId :

Tot Ion: 98 Resp: 126344

Ion Ratio Lower Upper

98 100

100 67.5 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

60000

50000

40000

30000

20000

10000

0

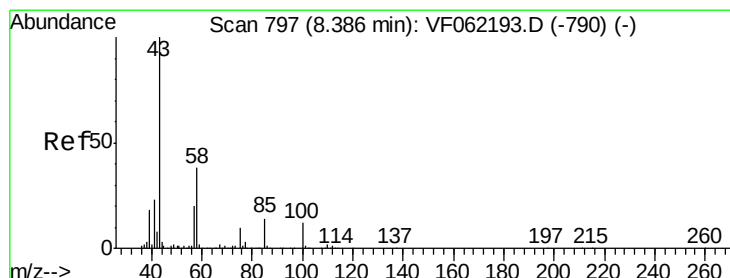
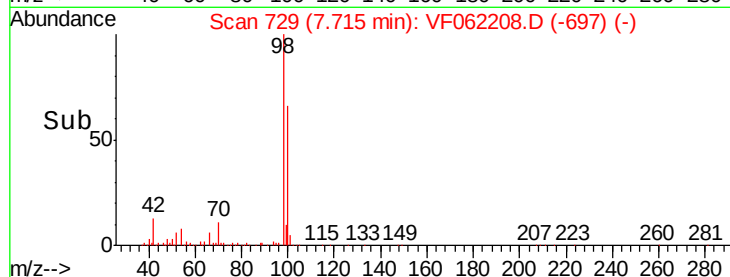
7.60

7.70

7.80

7.90

Time-->



#51

4-Methyl-2-Pentanone

Concen: 35.096 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.02 min

Lab File: VF062208.D

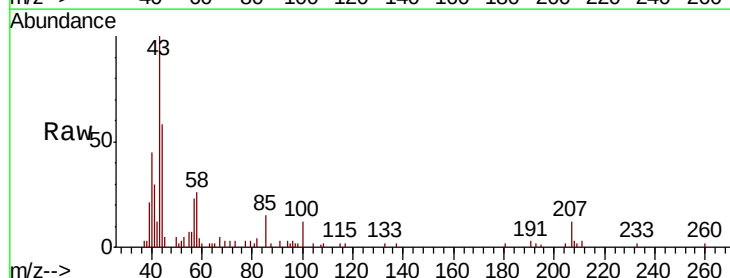
Acq: 18 Apr 2019 16:42

Tgt Ion: 43 Resp: 18904

Ion Ratio Lower Upper

43 100

58 33.5 29.3 43.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8000

6000

4000

2000

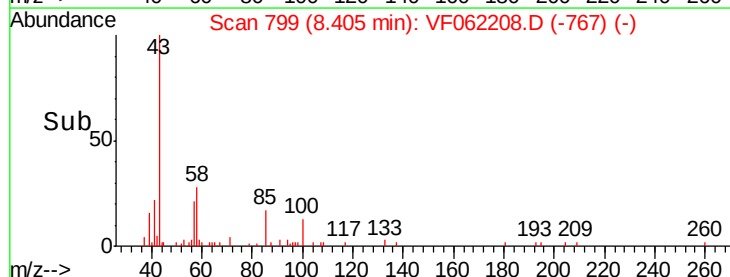
0

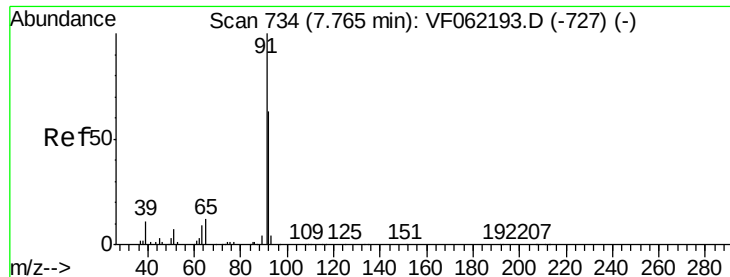
8.30

8.40

8.50

Time-->





#52

Toluene

Concen: 6.481 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

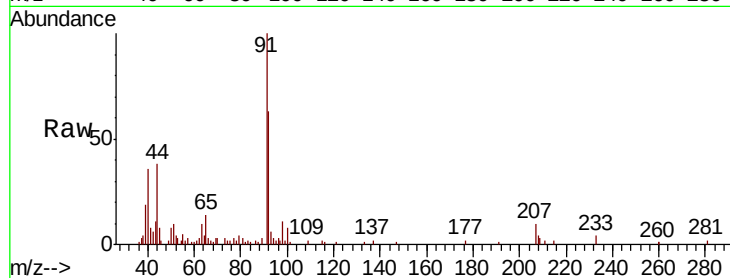
Instrument :  
MSVOA\_F  
ClientSampleId :

Tot Ion: 92 Resp: 13076

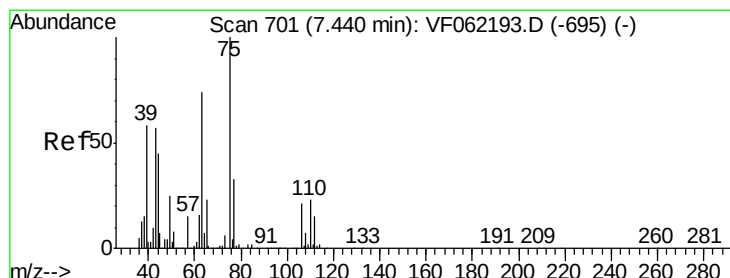
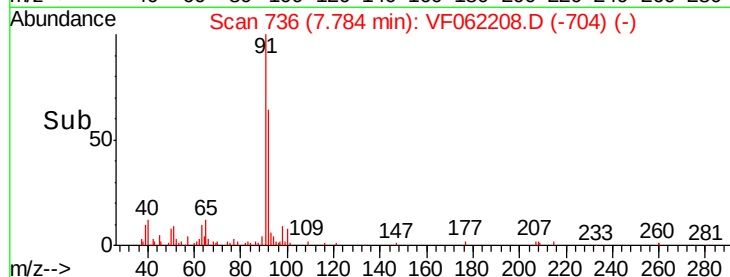
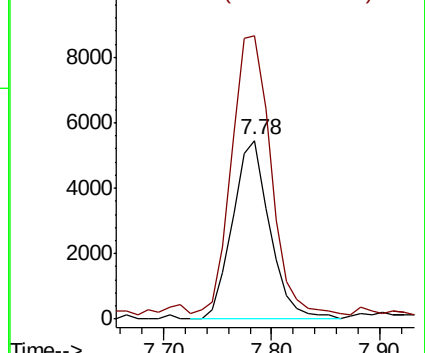
Ion Ratio Lower Upper

92 100

91 165.2 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0  
Ion 91.00 (90.70 to 91.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 0.327 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

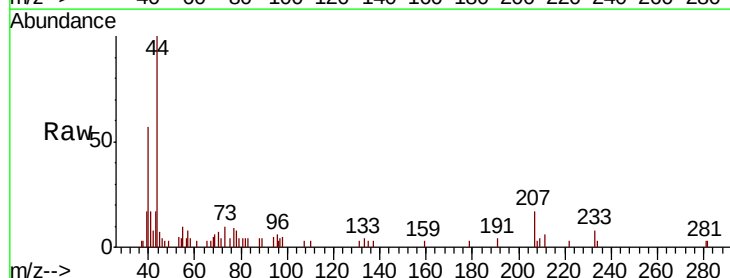
Tgt Ion: 75 Resp: 420

Ion Ratio Lower Upper

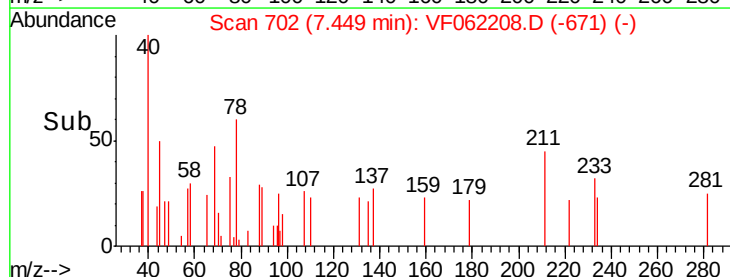
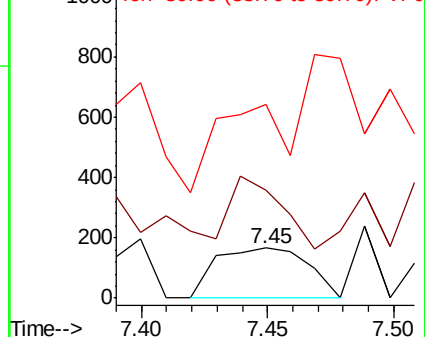
75 100

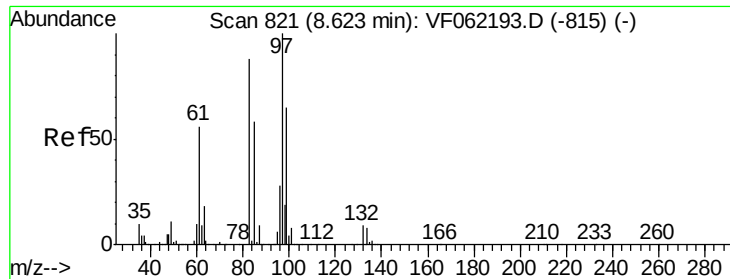
77 81.8 26.4 39.6#

39 178.2 46.7 70.1#



Abundance Ion 74.90 (74.60 to 75.60): VF0  
Ion 76.90 (76.60 to 77.60): VF0  
Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 0.618 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

Instrument :

MSVOA\_F

ClientSampled :

Tot Ion: 97 Resp: 349

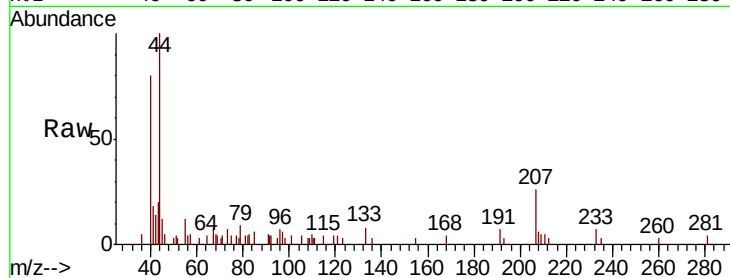
Ion Ratio Lower Upper

97 100

83 32.7 70.2 105.2#

85 104.4 46.2 69.4#

99 0.0 52.2 78.4#

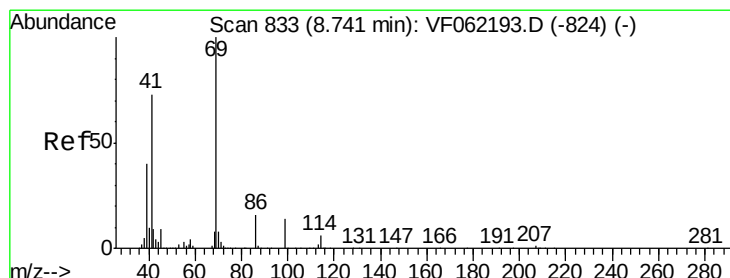
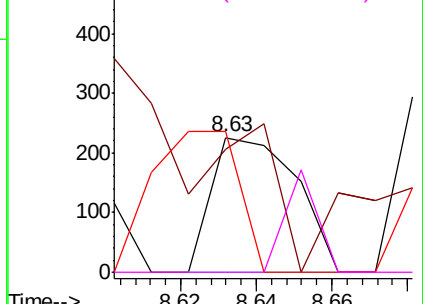
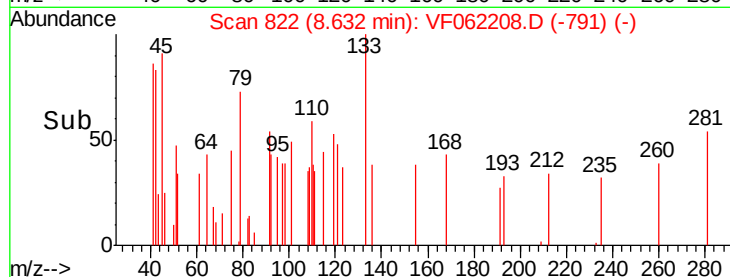


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 9.319 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.02 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

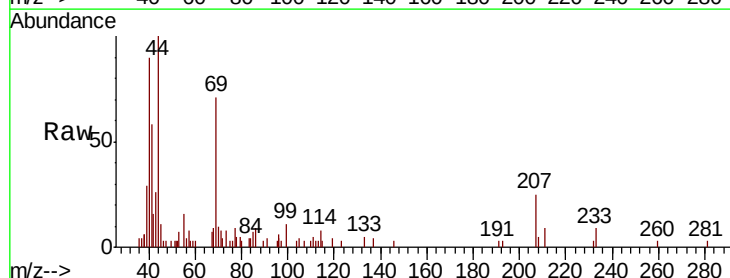
Tgt Ion: 69 Resp: 5988

Ion Ratio Lower Upper

69 100

41 95.7 61.5 92.3#

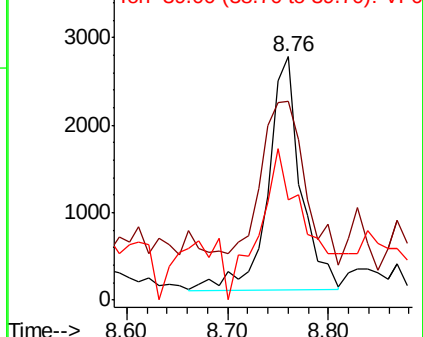
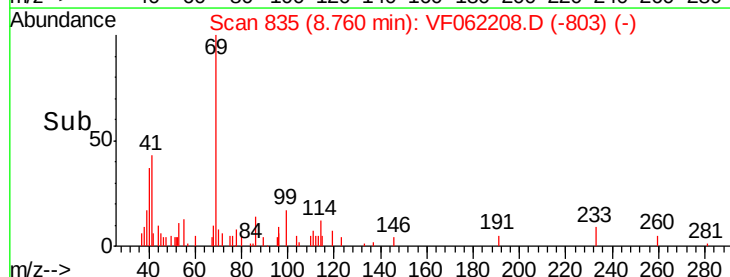
39 94.0 33.3 49.9#



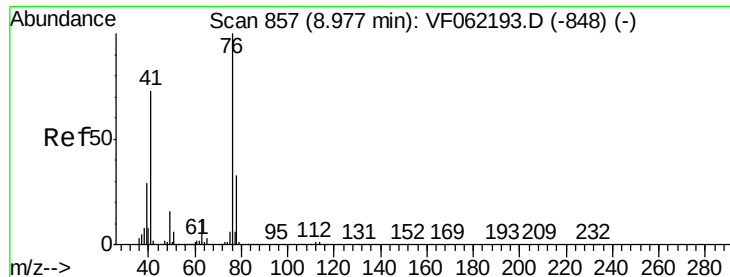
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0







#57

1,3-Dichloropropane

Concen: 0.313 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.02 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

Instrument :

MSVOA\_F

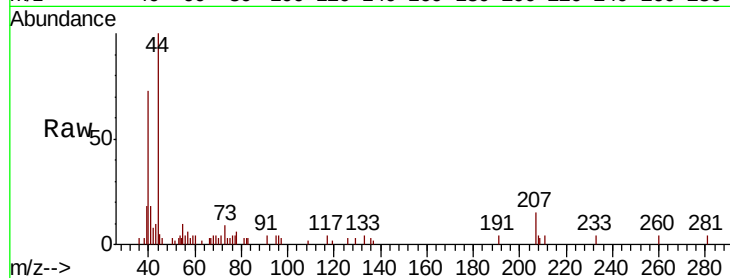
ClientSampleId :

Tot Ion: 76 Resp: 286

Ion Ratio Lower Upper

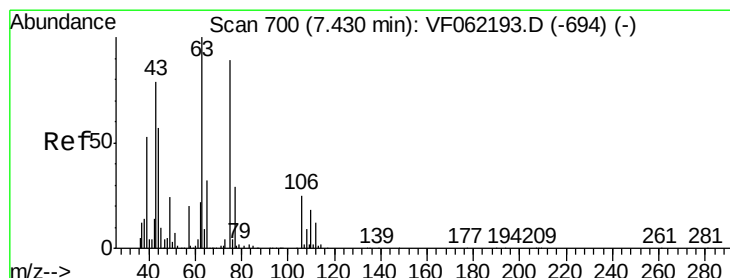
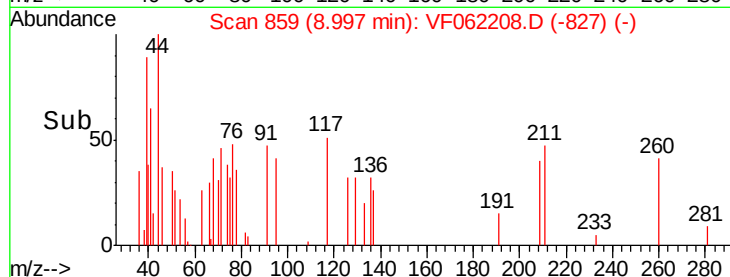
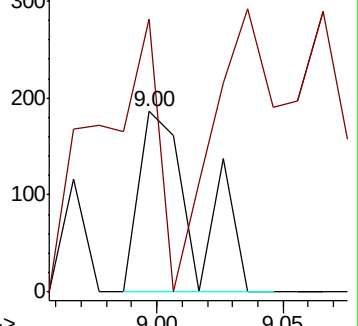
76 100

78 162.6 26.5 39.7#



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 0.322 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.03 min

Lab File: VF062208.D

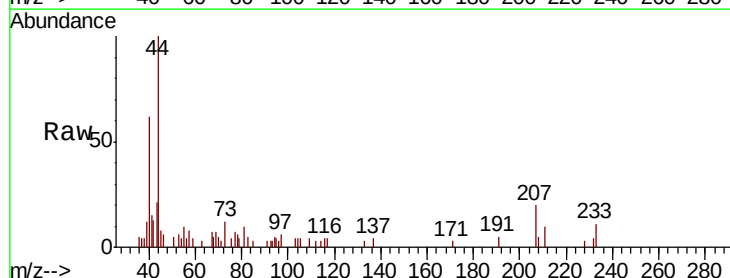
Acq: 18 Apr 2019 16:42

Tgt Ion: 63 Resp: 60

Ion Ratio Lower Upper

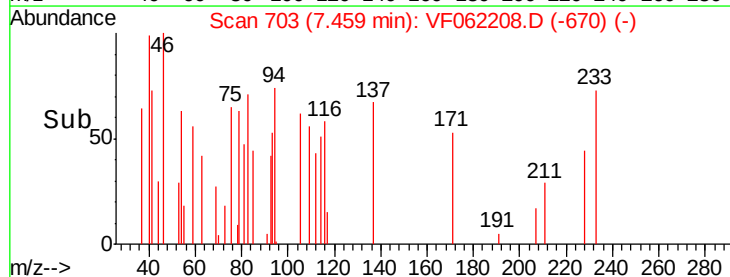
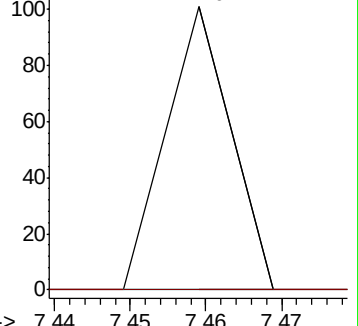
63 100

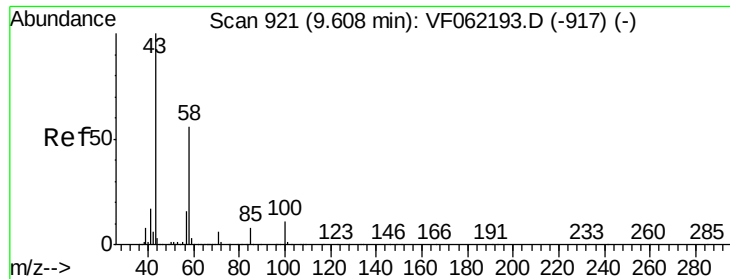
106 0.0 21.4 32.0#



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

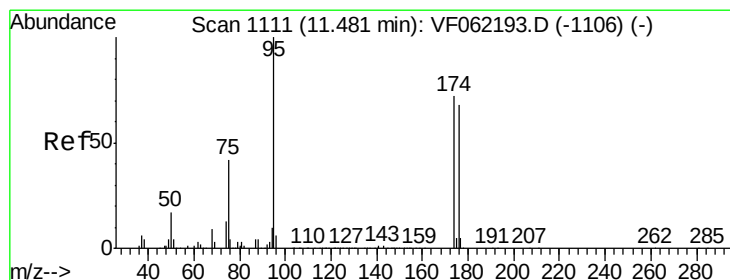
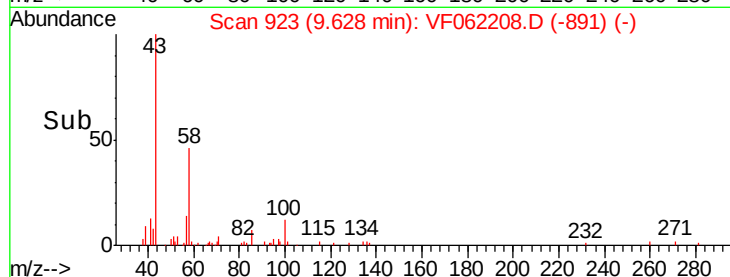
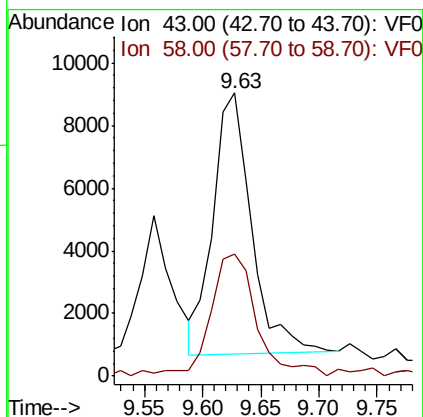
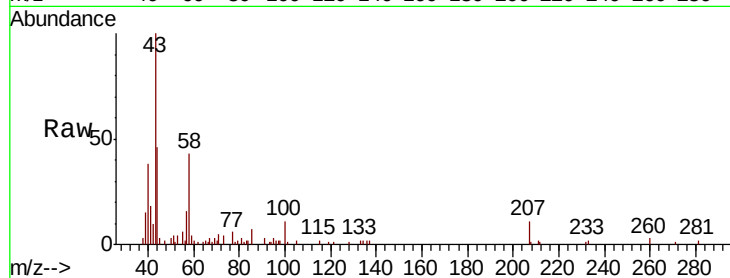




#59  
2-Hexanone  
Concen: 56.577 ug/l  
RT: 9.63 min Scan# 923  
Delta R.T. 0.02 min  
Lab File: VF062208.D  
Acq: 18 Apr 2019 16:42

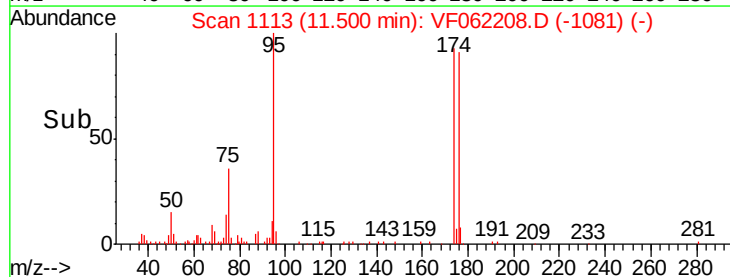
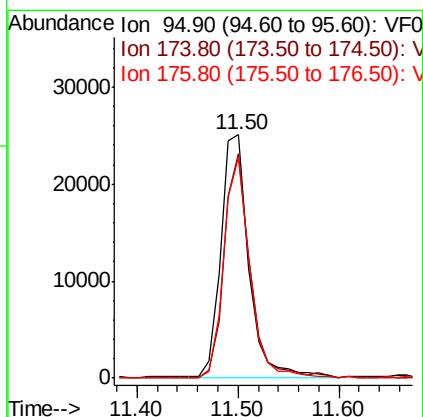
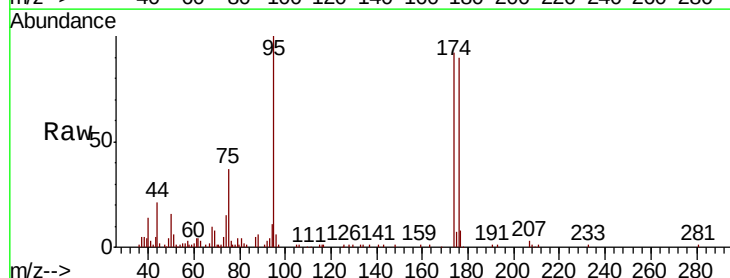
Instrument :  
MSVOA\_F  
ClientSampled :

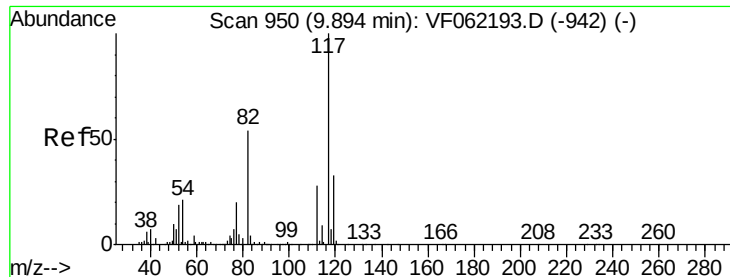
Tot Ion: 43 Resp: 18968  
Ion Ratio Lower Upper  
43 100  
58 56.9 24.6 74.0



#62  
4-Bromofluorobenzene  
Concen: 47.317 ug/l  
RT: 11.50 min Scan# 1113  
Delta R.T. 0.02 min  
Lab File: VF062208.D  
Acq: 18 Apr 2019 16:42

Tgt Ion: 95 Resp: 49053  
Ion Ratio Lower Upper  
95 100  
174 85.1 0.0 159.4  
176 83.9 0.0 155.4

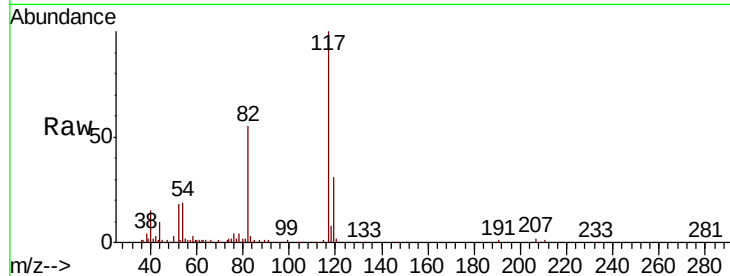




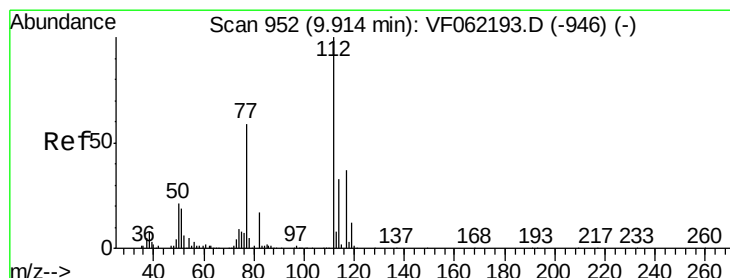
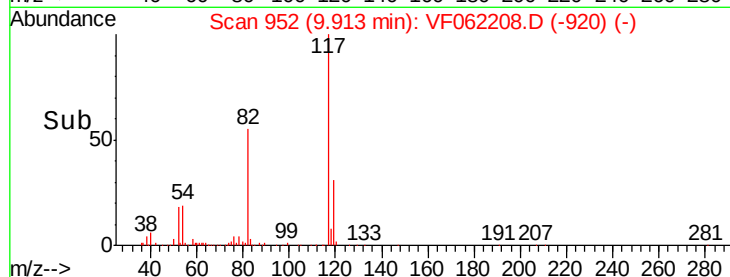
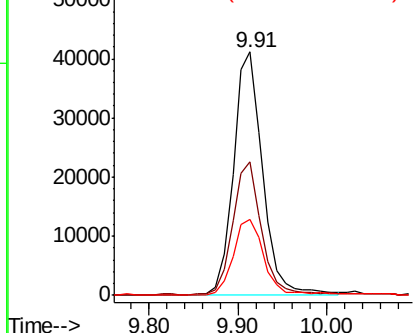
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.91 min Scan# 952  
Delta R.T. 0.02 min  
Lab File: VF062208.D  
Acq: 18 Apr 2019 16:42

Instrument :  
MSVOA\_F  
ClientSampled :

Tot Ion:117 Resp: 94234  
Ion Ratio Lower Upper  
117 100  
82 54.5 43.2 64.8  
119 31.4 26.2 39.4

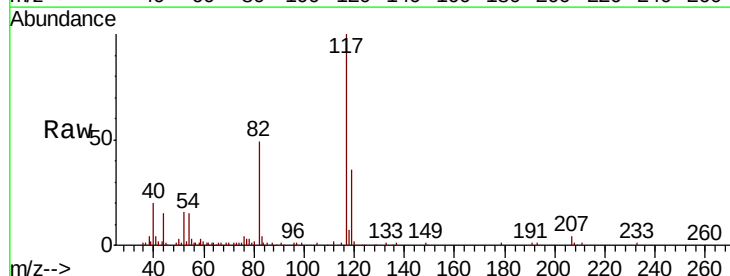


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VF0  
Ion 118.90 (118.60 to 119.60): V

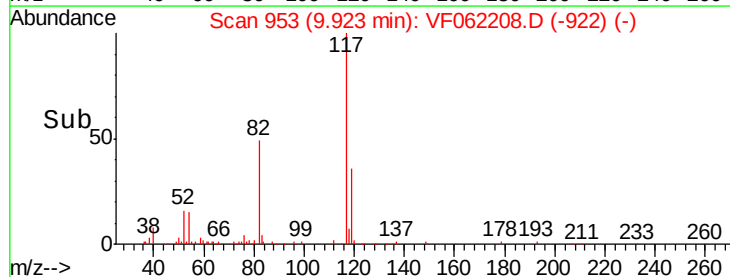
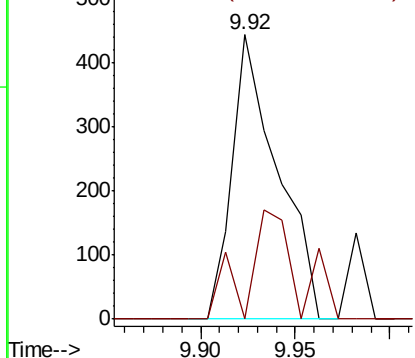


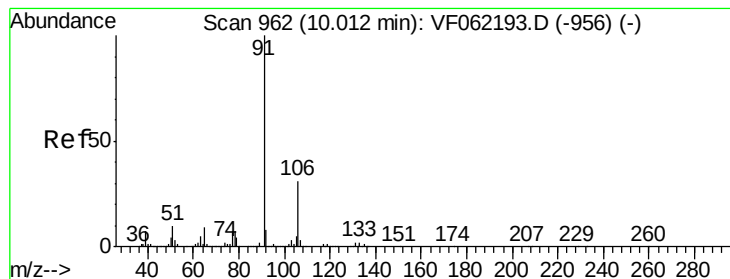
#65  
Chlorobenzene  
Concen: 0.366 ug/l  
RT: 9.92 min Scan# 953  
Delta R.T. 0.01 min  
Lab File: VF062208.D  
Acq: 18 Apr 2019 16:42

Tgt Ion:112 Resp: 735  
Ion Ratio Lower Upper  
112 100  
114 0.0 26.1 39.1#



Abundance Ion 111.90 (111.60 to 112.60): V  
Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 0.946 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.02 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

Instrument :

MSVOA\_F

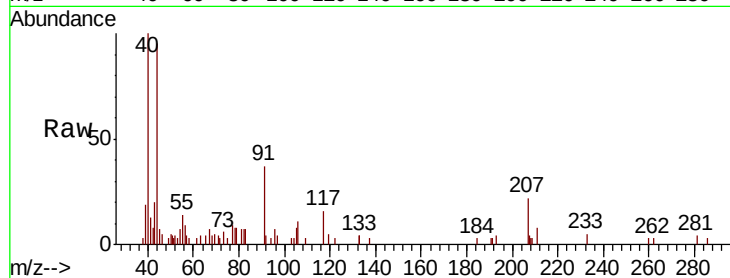
ClientSampleId :

Tot Ion: 91 Resp: 3455

Ion Ratio Lower Upper

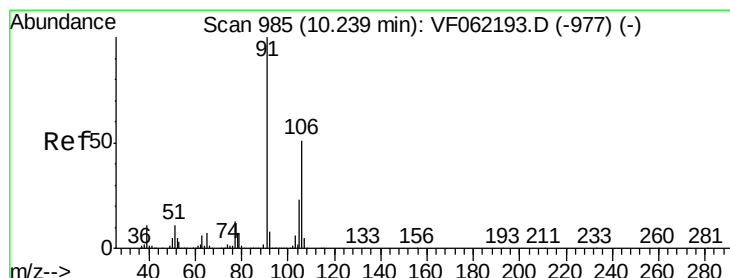
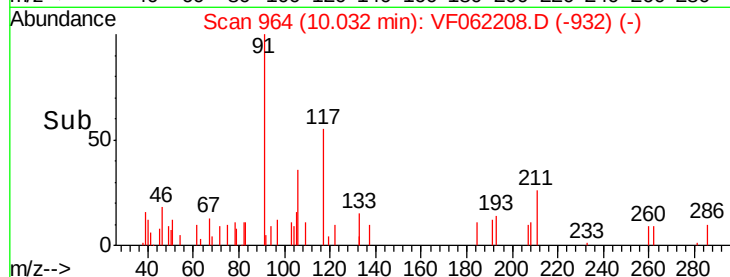
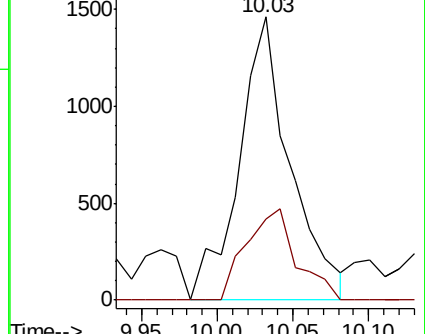
91 100

106 28.7 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 1.748 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.03 min

Lab File: VF062208.D

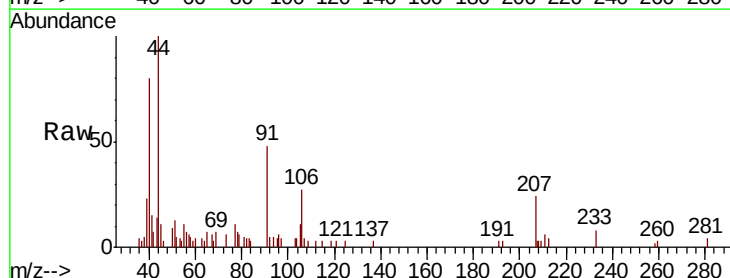
Acq: 18 Apr 2019 16:42

Tgt Ion:106 Resp: 2351

Ion Ratio Lower Upper

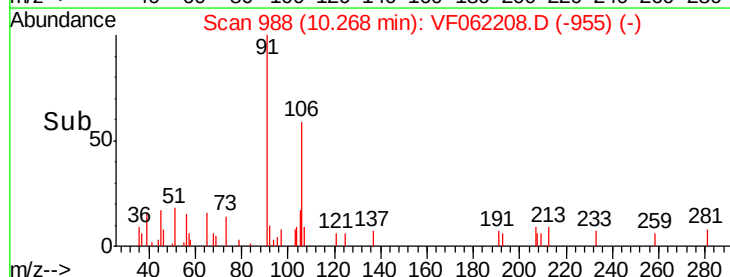
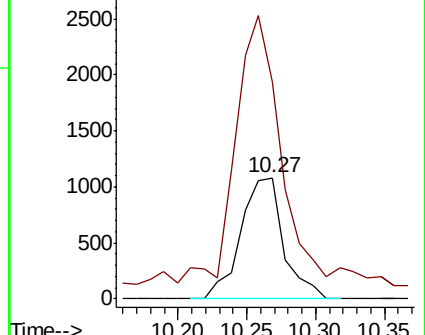
106 100

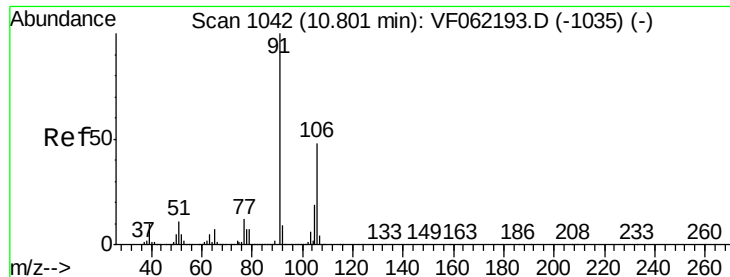
91 268.7 159.1 238.7#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

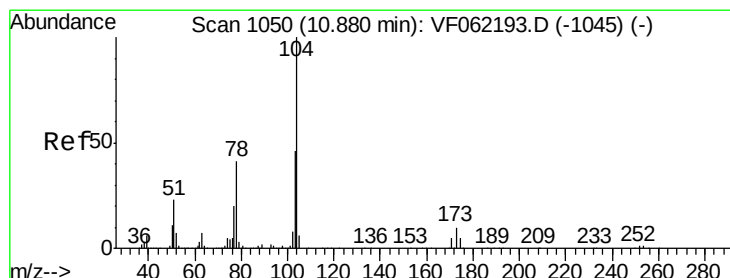
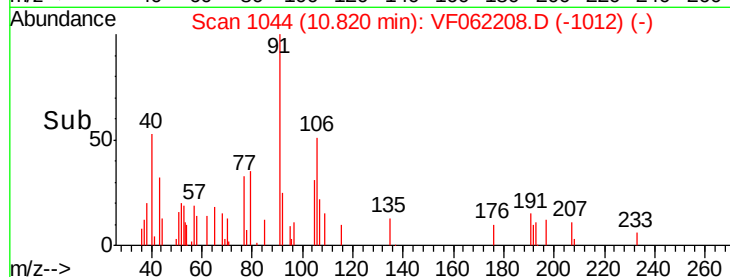
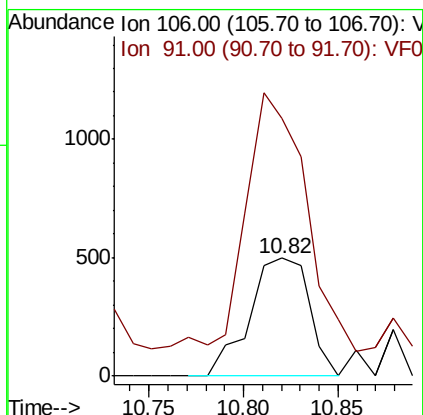
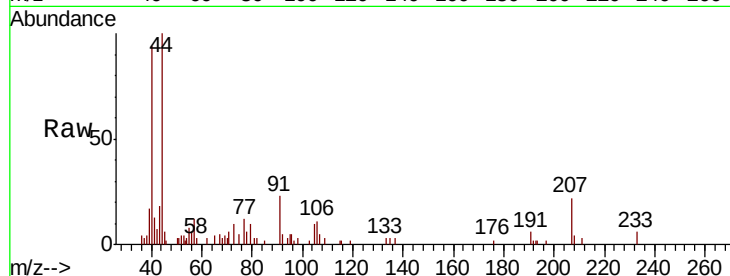




#69  
o-Xylene  
Concen: 0.732 ug/l  
RT: 10.82 min Scan# 1044  
Delta R.T. 0.02 min  
Lab File: VF062208.D  
Acq: 18 Apr 2019 16:42

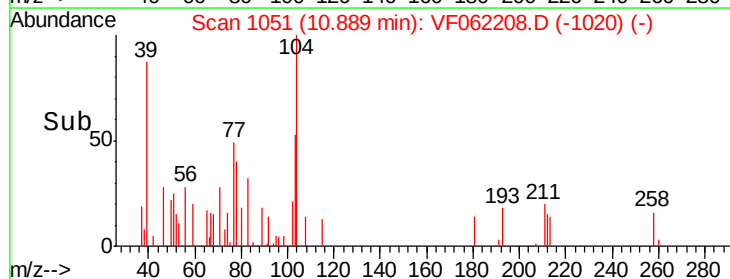
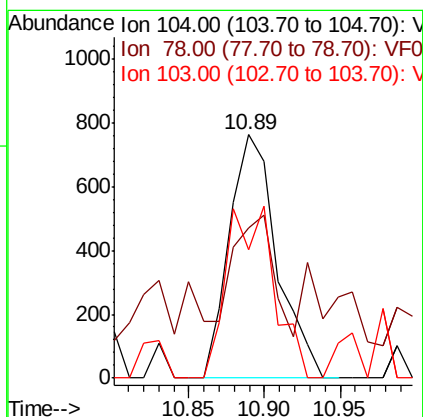
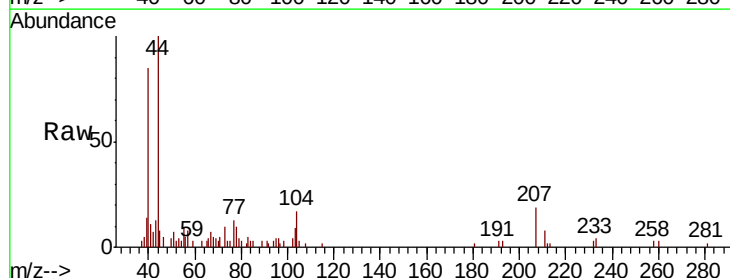
Instrument :  
MSVOA\_F  
ClientSampled :

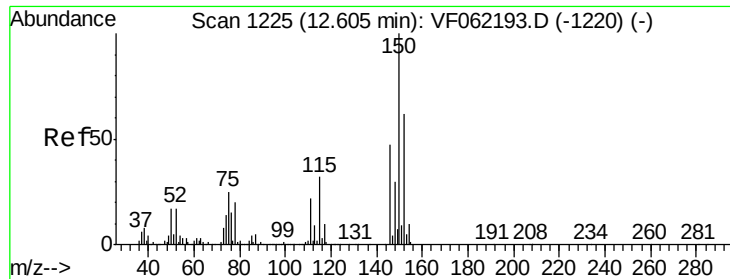
Tot Ion:106 Resp: 1093  
Ion Ratio Lower Upper  
106 100  
91 219.8 107.5 322.4



#70  
Styrene  
Concen: 0.794 ug/l  
RT: 10.89 min Scan# 1051  
Delta R.T. 0.01 min  
Lab File: VF062208.D  
Acq: 18 Apr 2019 16:42

Tgt Ion:104 Resp: 1674  
Ion Ratio Lower Upper  
104 100  
78 42.2 34.5 51.7  
103 70.1 37.2 55.8#



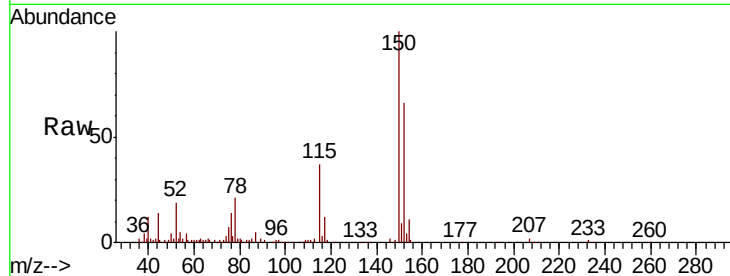


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.61 min Scan# 1226  
Delta R.T. 0.01 min  
Lab File: VF062208.D  
Acq: 18 Apr 2019 16:42

Instrument :  
MSVOA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.2  | 27.8  | 83.3  |
| 150     | 152.2 | 0.0   | 341.8 |

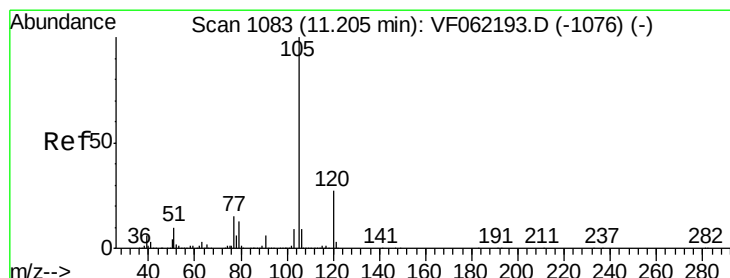
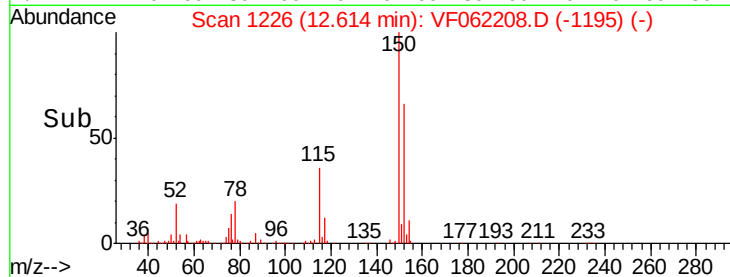
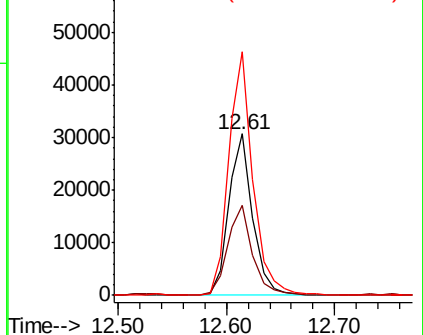


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

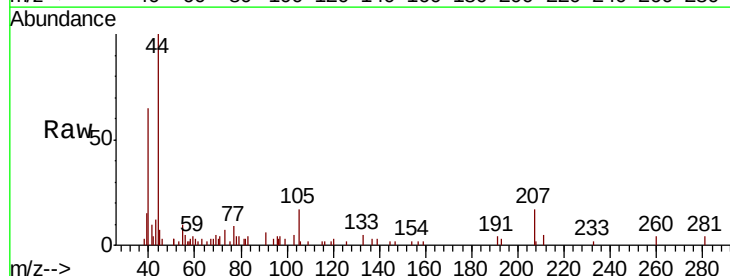
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene  
Concen: 0.628 ug/l  
RT: 11.20 min Scan# 1083  
Delta R.T. -0.00 min  
Lab File: VF062208.D  
Acq: 18 Apr 2019 16:42

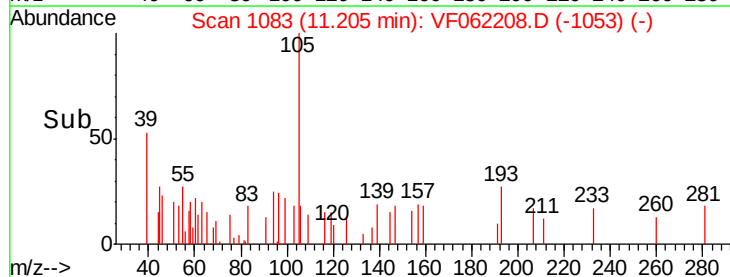
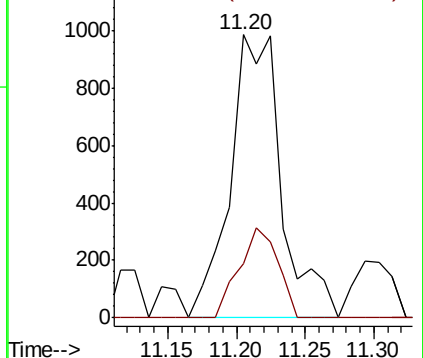
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 24.1  | 13.0  | 38.9  |

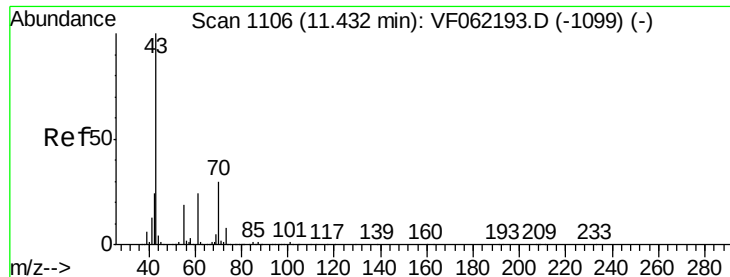


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 18.801 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.02 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

Instrument :

MSVOA\_F

ClientSampleId :

Tot Ion: 43 Resp: 19473

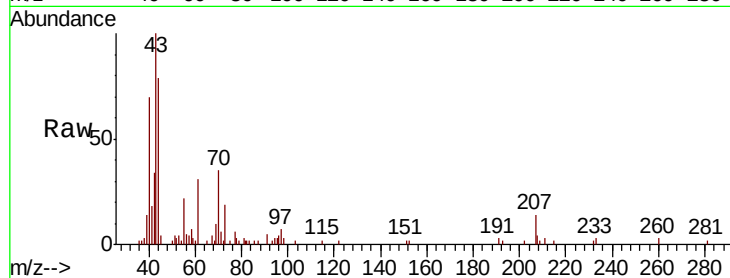
Ion Ratio Lower Upper

43 100

70 25.4 27.0 40.4#

55 15.9 15.7 23.5

61 15.5 20.8 31.2#

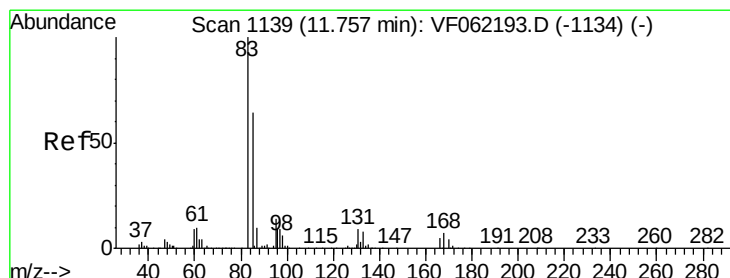
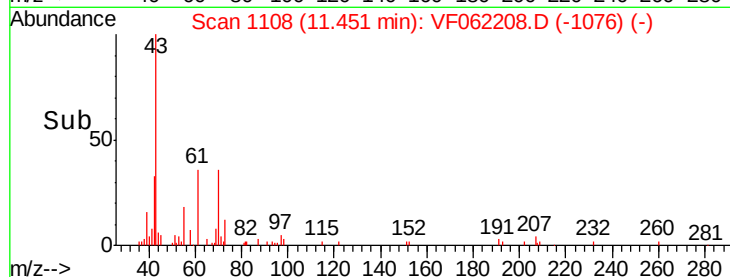
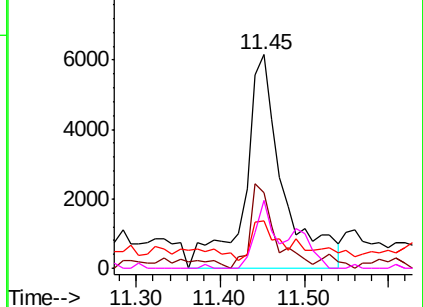


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 0.725 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

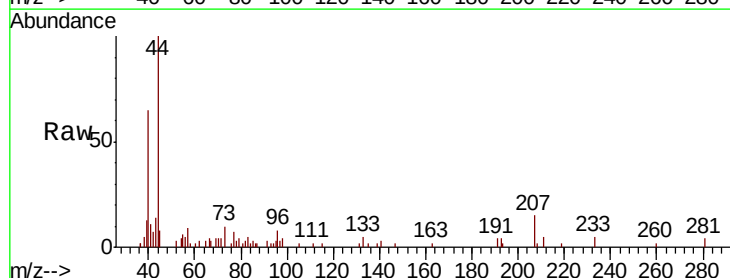
Tgt Ion: 83 Resp: 507

Ion Ratio Lower Upper

83 100

131 23.9 4.5 13.5#

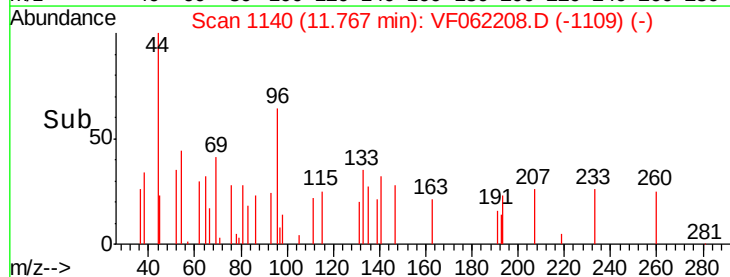
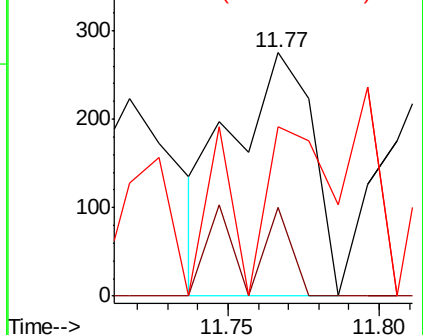
85 77.1 34.7 104.1

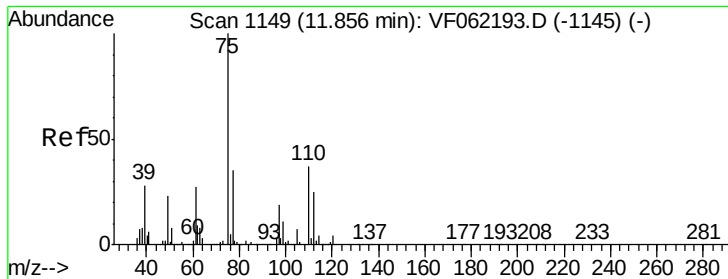


Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0





#76

1,2,3-Trichloropropane

Concen: 1.417 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. 0.04 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

Instrument :

MSVOA\_F

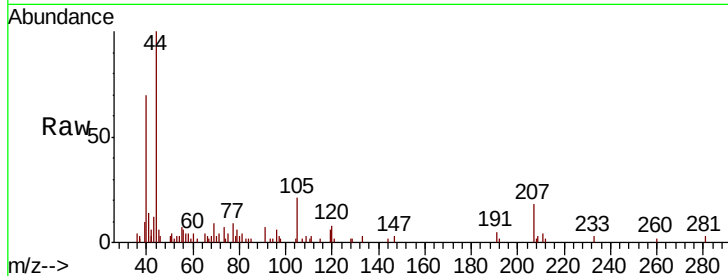
ClientSampled :

Tot Ion: 75 Resp: 682

Ion Ratio Lower Upper

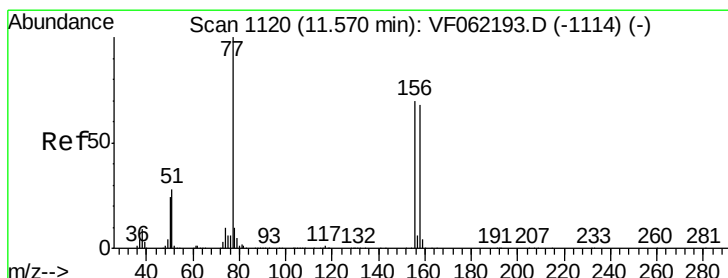
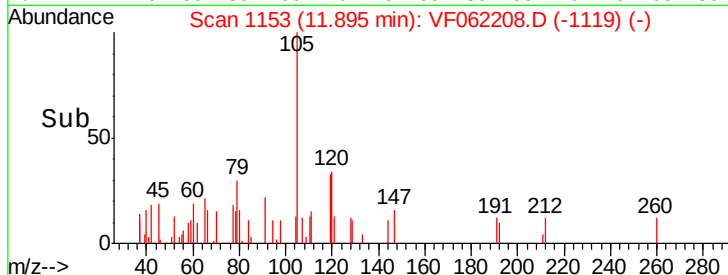
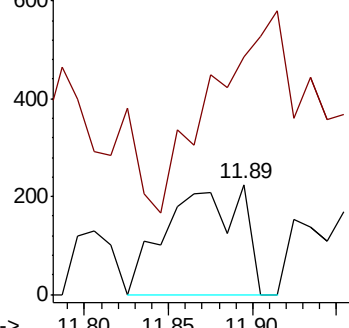
75 100

77 242.5 7.4 22.2#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0



#77

Bromobenzene

Concen: 0.634 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

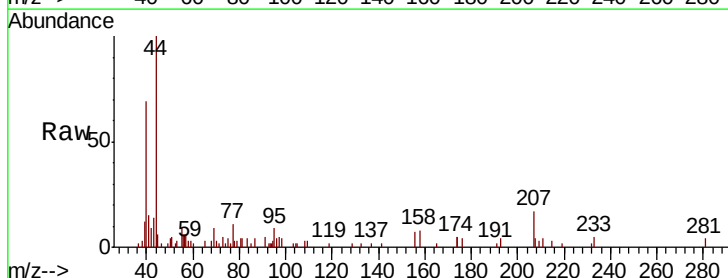
Tgt Ion: 156 Resp: 553

Ion Ratio Lower Upper

156 100

77 244.7 80.9 242.7#

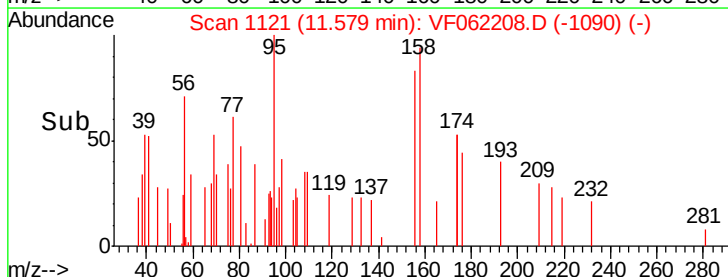
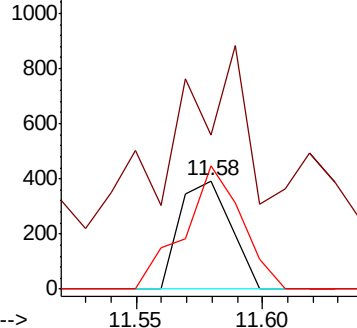
158 128.8 49.8 149.4



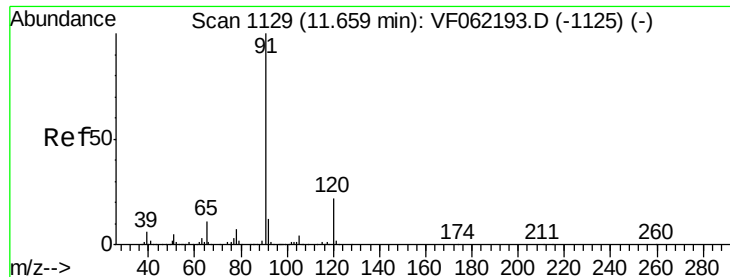
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V







#78

n-propylbenzene

Concen: 0.809 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

Instrument :

MSVOA\_F

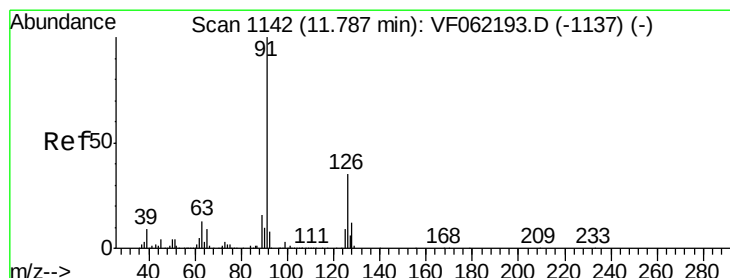
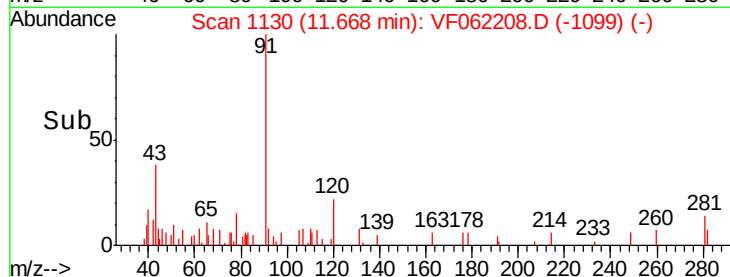
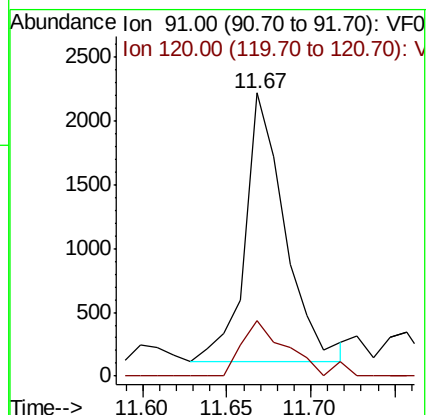
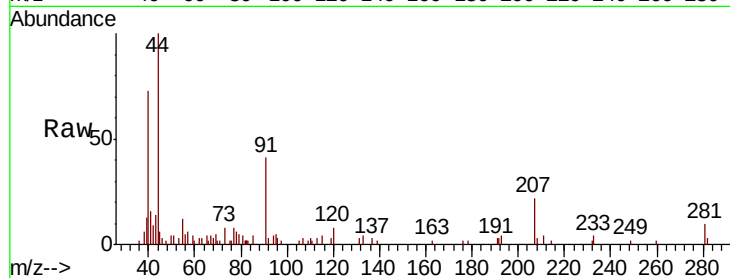
ClientSampleId :

Tot Ion: 91 Resp: 3473

Ion Ratio Lower Upper

91 100

120 24.3 11.2 33.6



#79

2-Chlorotoluene

Concen: 0.489 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062208.D

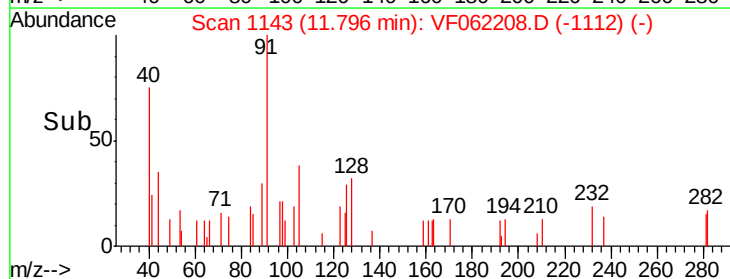
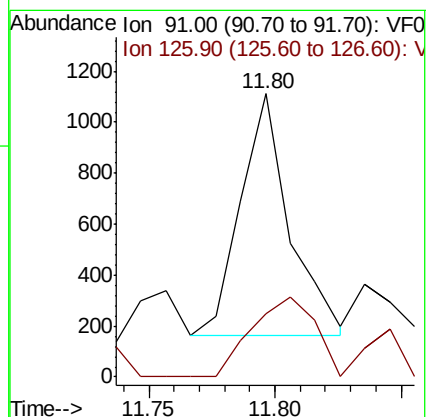
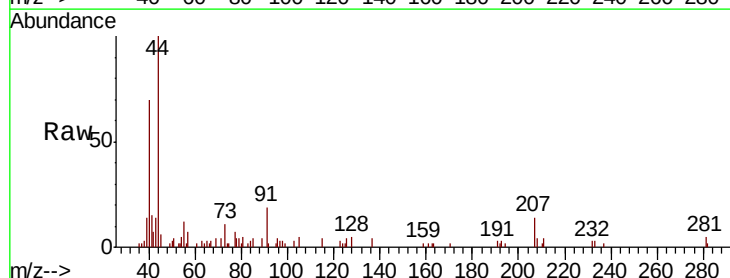
Acq: 18 Apr 2019 16:42

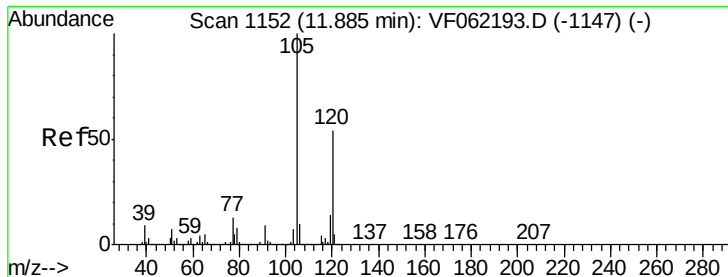
Tgt Ion: 91 Resp: 1274

Ion Ratio Lower Upper

91 100

126 43.2 16.9 50.6





#80

1,3,5-Trimethylbenzene

Concen: 0.671 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

Instrument :

MSVOA\_F

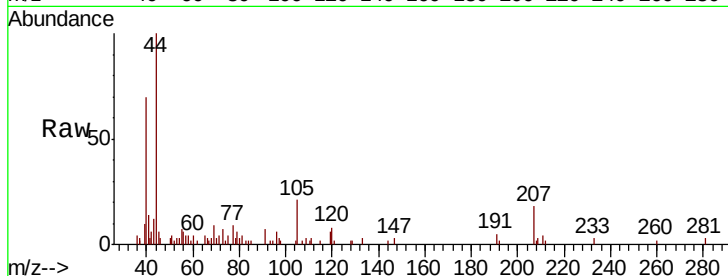
ClientSampled :

Tot Ion:105 Resp: 2274

Ion Ratio Lower Upper

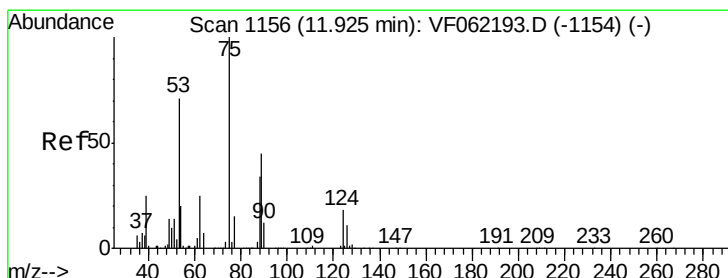
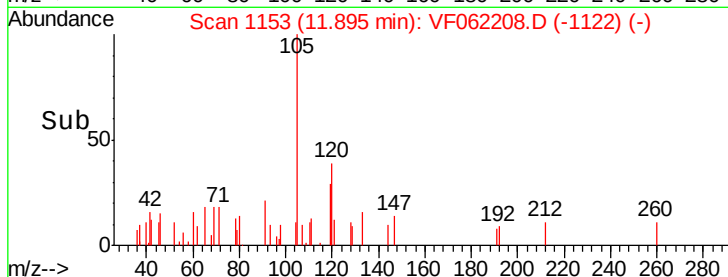
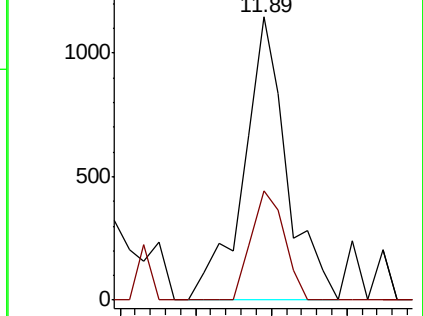
105 100

120 29.8 26.2 78.5



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: 2.204 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.04 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

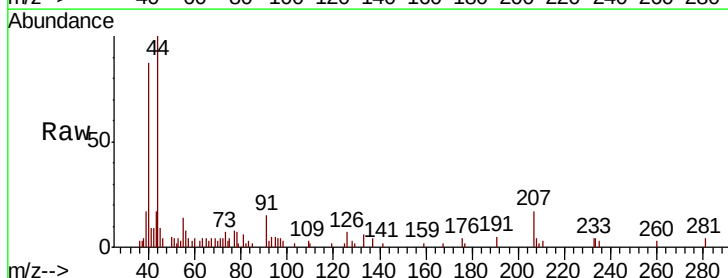
Tgt Ion: 75 Resp: 541

Ion Ratio Lower Upper

75 100

53 0.0 50.2 75.4#

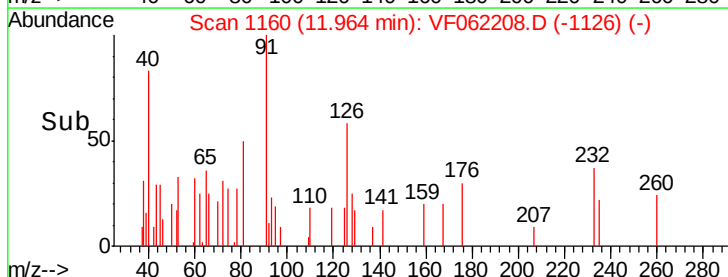
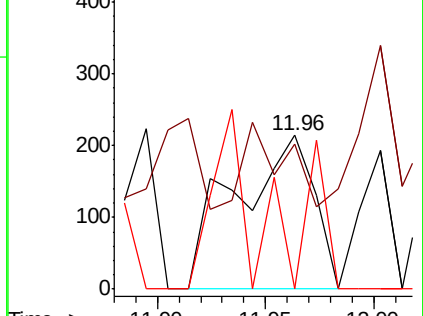
89 0.0 0.0 0.0

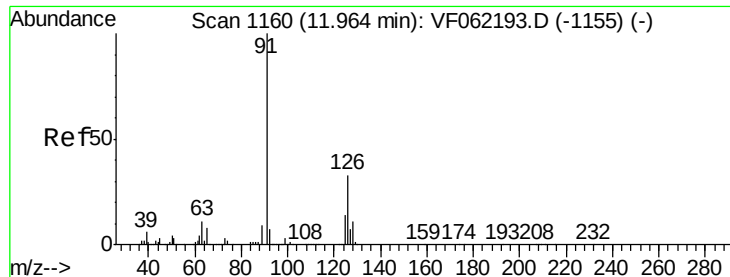


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0





#82

4-Chlorotoluene

Concen: 0.798 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

Instrument :

MSVOA\_F

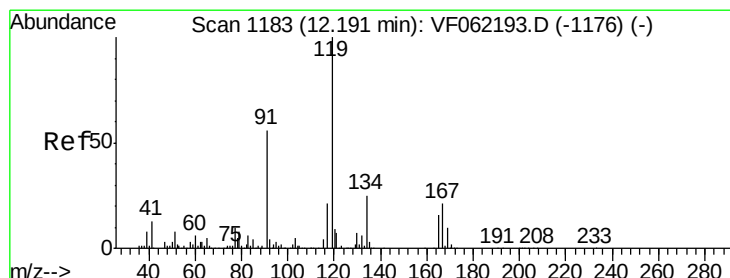
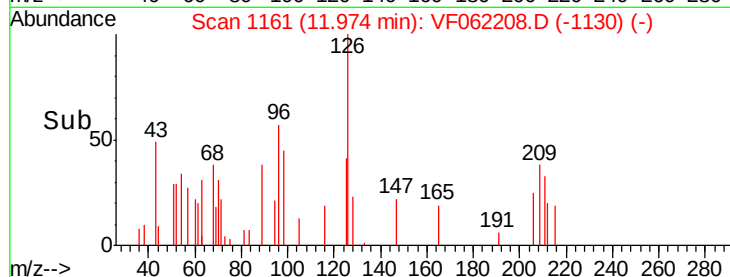
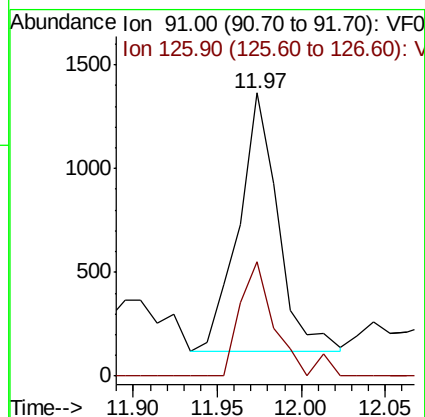
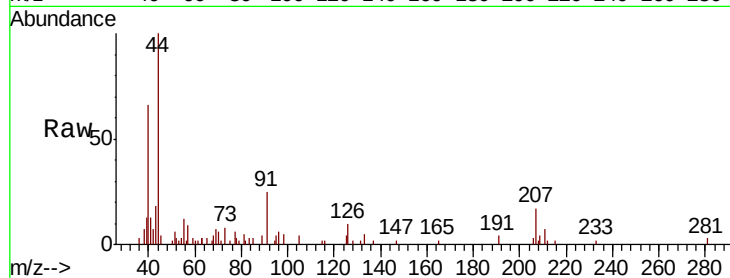
ClientSampled :

Tot Ion: 91 Resp: 2007

Ion Ratio Lower Upper

91 100

126 40.6 16.9 50.6



#83

tert-Butylbenzene

Concen: 0.411 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

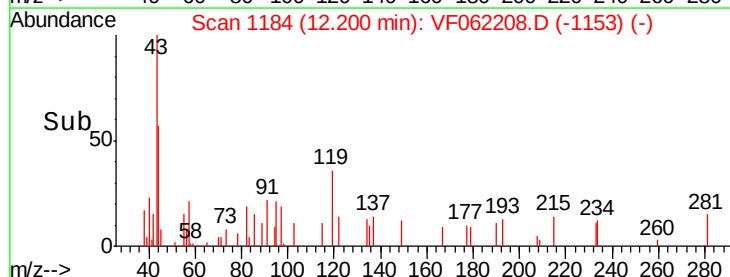
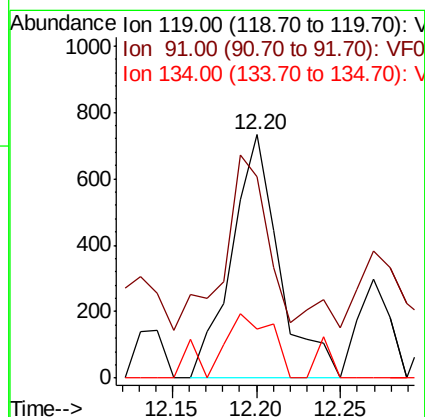
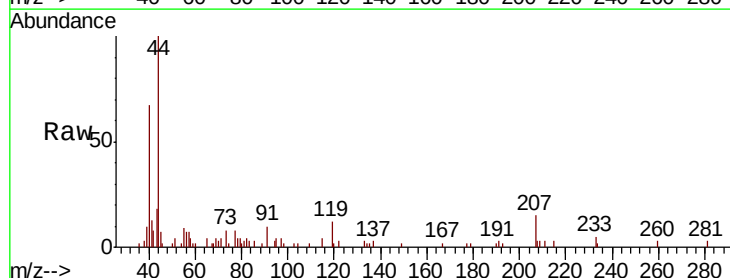
Tgt Ion: 119 Resp: 1439

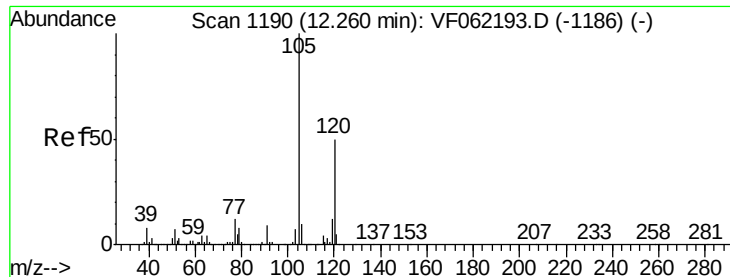
Ion Ratio Lower Upper

119 100

91 67.0 29.4 88.2

134 29.7 11.8 35.3

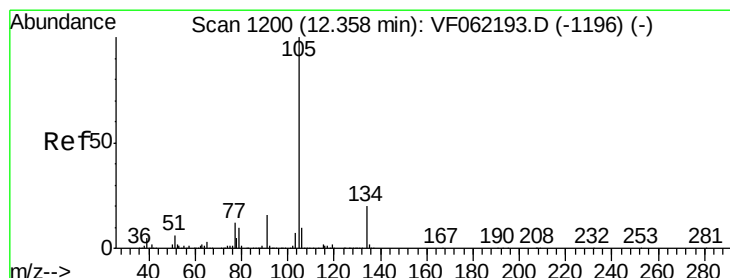
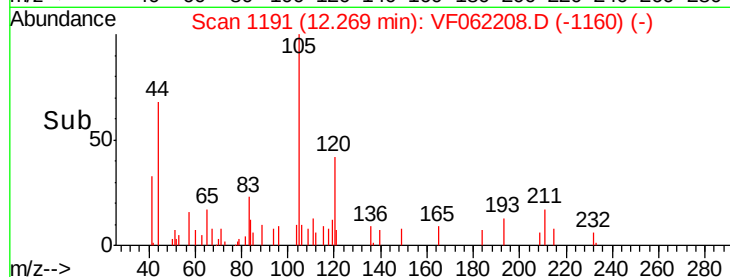
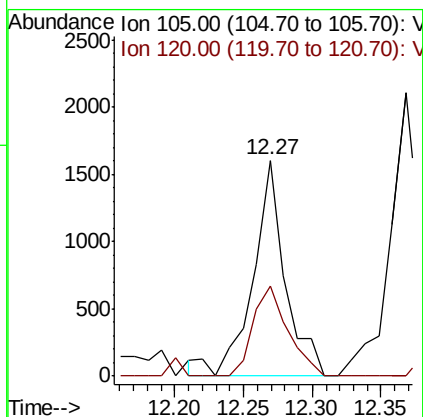
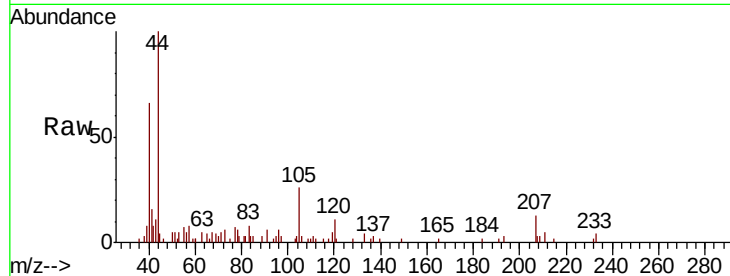




#84  
1,2,4-Trimethylbenzene  
Concen: 0.799 ug/l  
RT: 12.27 min Scan# 1191  
Delta R.T. 0.01 min  
Lab File: VF062208.D  
Acq: 18 Apr 2019 16:42

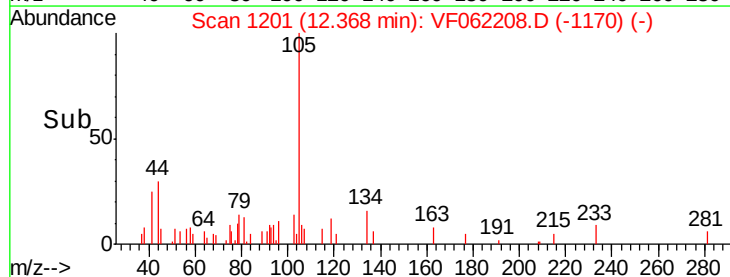
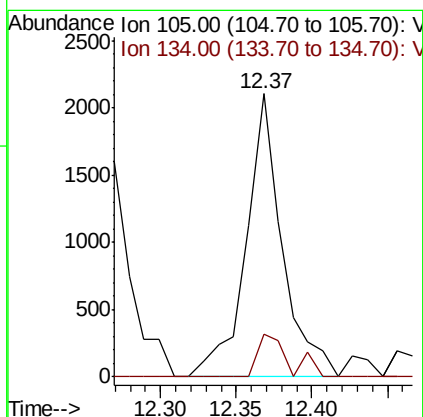
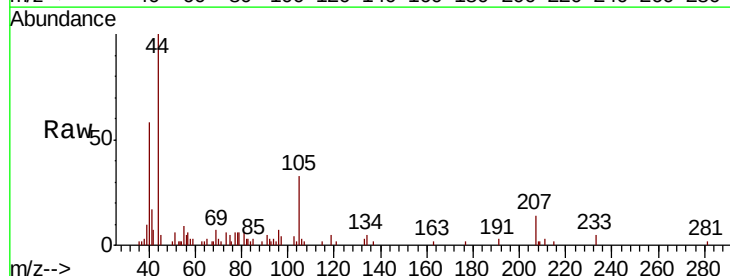
Instrument :  
MSVOA\_F  
ClientSampled :

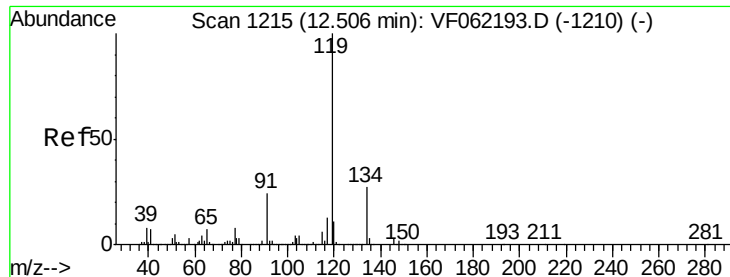
Tot Ion:105 Resp: 2621  
Ion Ratio Lower Upper  
105 100  
120 45.0 24.0 72.0



#85  
sec-Butylbenzene  
Concen: 0.772 ug/l  
RT: 12.37 min Scan# 1201  
Delta R.T. 0.01 min  
Lab File: VF062208.D  
Acq: 18 Apr 2019 16:42

Tgt Ion:105 Resp: 3512  
Ion Ratio Lower Upper  
105 100  
134 12.8 9.7 29.1

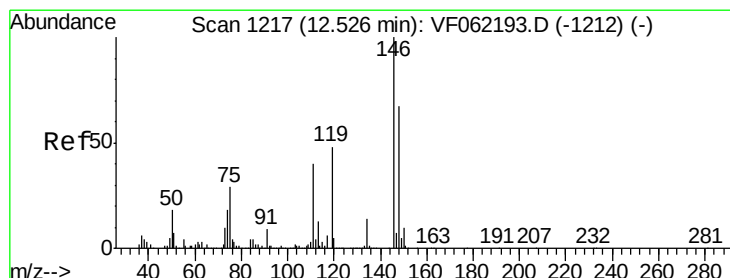
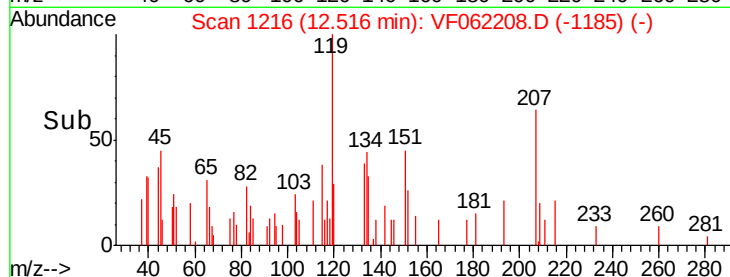
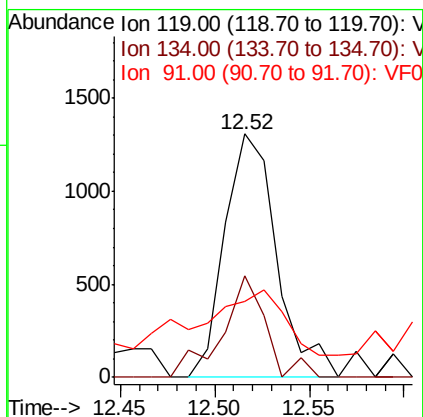
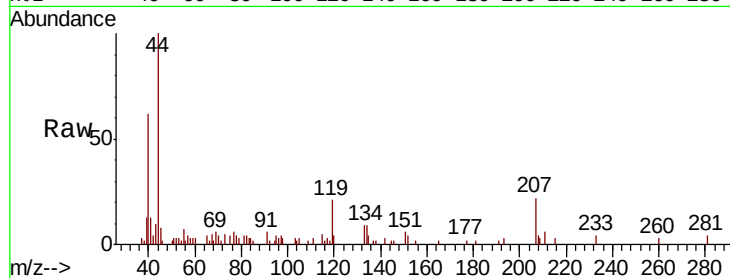




#86  
 p-Isopropyltoluene  
 Concen: 0.645 ug/l  
 RT: 12.52 min Scan# 1216  
 Delta R.T. 0.01 min  
 Lab File: VF062208.D  
 Acq: 18 Apr 2019 16:42

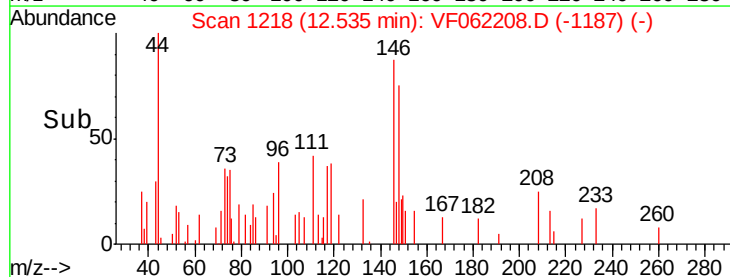
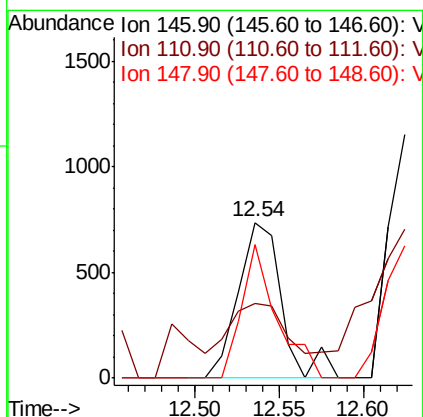
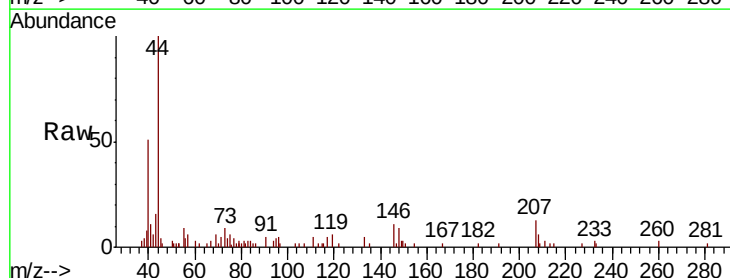
Instrument :  
 MSVOA\_F  
 ClientSampleId :

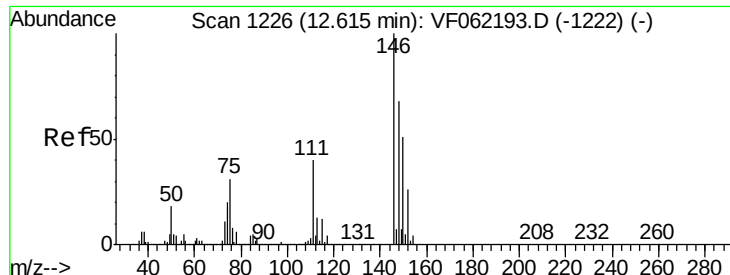
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 35.0  | 13.2  | 39.5  |
| 91      | 43.4  | 11.7  | 35.1  |



#87  
 1,3-Dichlorobenzene  
 Concen: 0.813 ug/l  
 RT: 12.54 min Scan# 1218  
 Delta R.T. 0.01 min  
 Lab File: VF062208.D  
 Acq: 18 Apr 2019 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 67.6  | 19.7  | 59.0  |
| 148     | 69.7  | 32.9  | 98.6  |





#88

1,4-Dichlorobenzene

Concen: 0.843 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.08 min

Lab File: VF062208.D

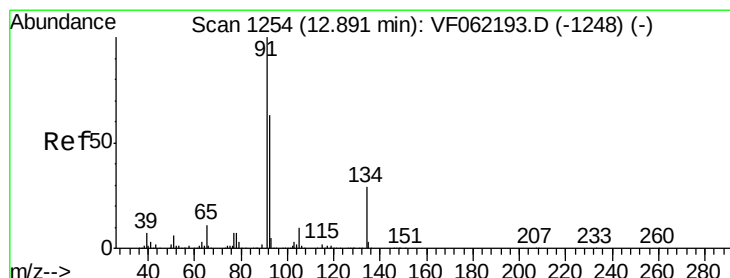
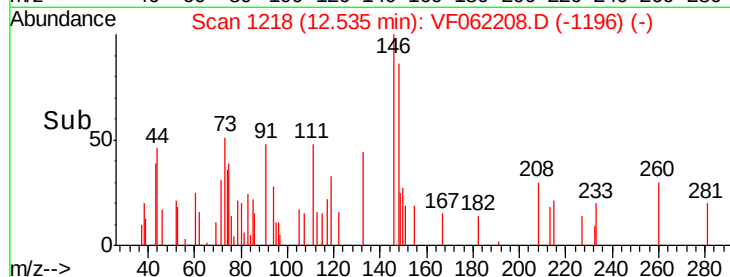
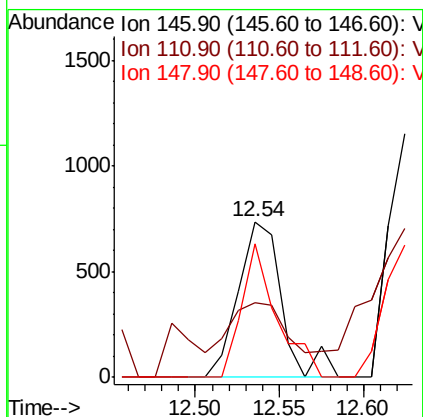
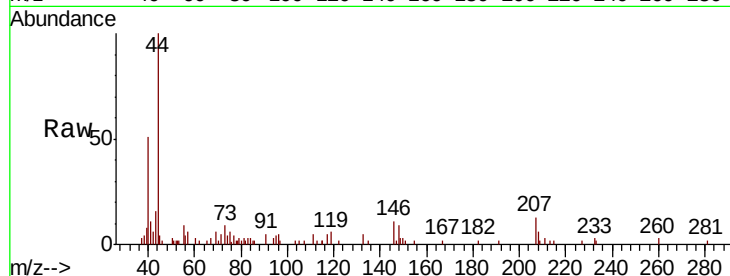
Acq: 18 Apr 2019 16:42

Instrument :

MSVOA\_F

ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 146   | Resp: | 1315  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 57.3  | 20.0  | 60.0  |
| 148      | 69.7  | 33.6  | 100.8 |



#89

n-Butylbenzene

Concen: Below Cal

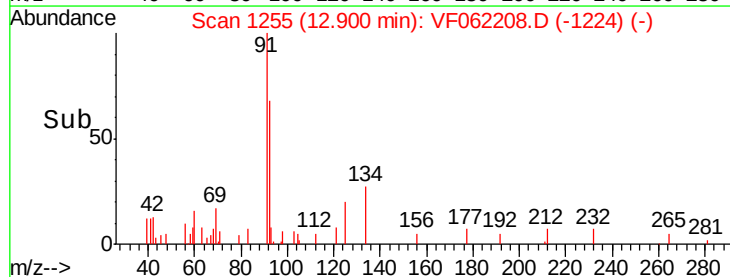
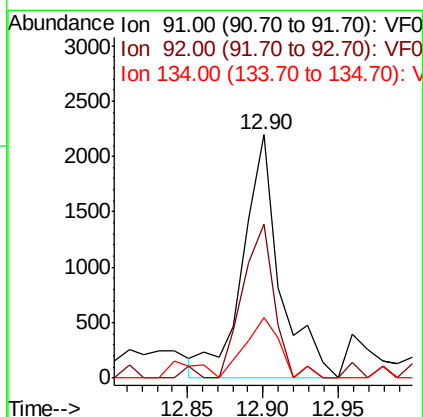
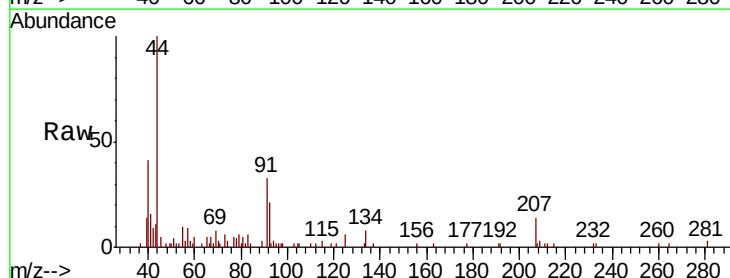
RT: 12.90 min Scan# 1255

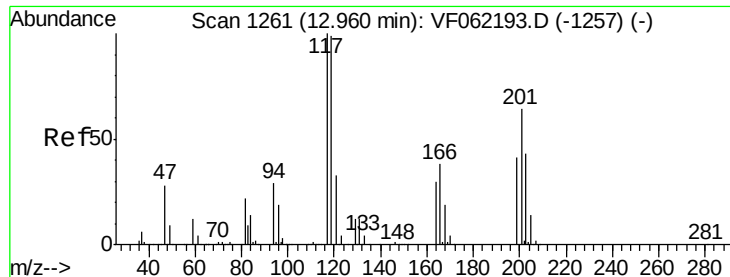
Delta R.T. 0.01 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 3748  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 56.1  | 31.2  | 93.6  |
| 134      | 24.1  | 13.1  | 39.1  |





#90

Hexachloroethane

Concen: 0.524 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

Instrument :

MSVOA\_F

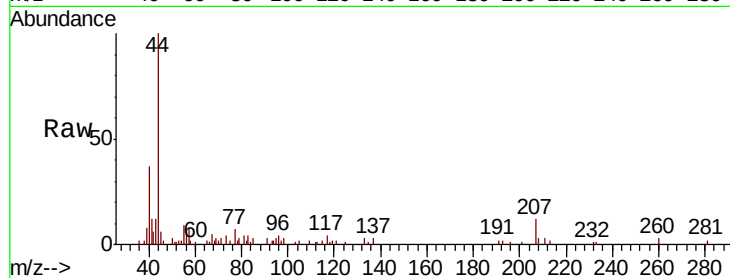
ClientSampleId :

Tot Ion:117 Resp: 519

Ion Ratio Lower Upper

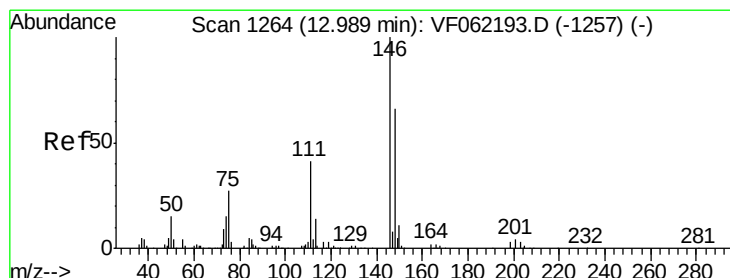
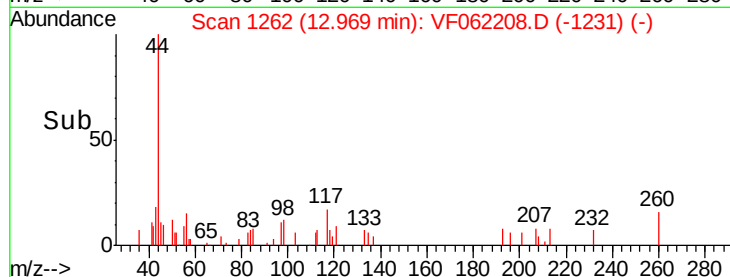
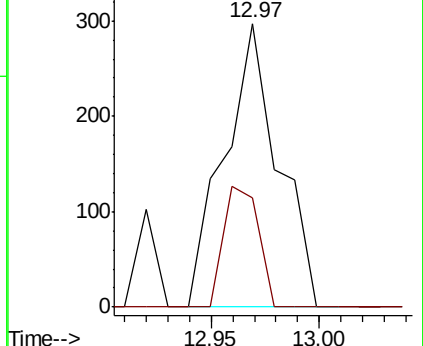
117 100

201 27.6 37.7 113.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.686 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

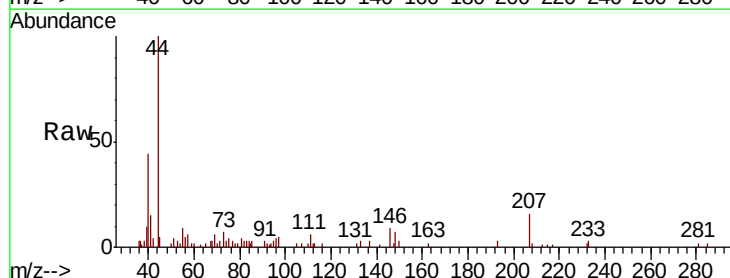
Tgt Ion:146 Resp: 1072

Ion Ratio Lower Upper

146 100

111 73.1 20.8 62.5#

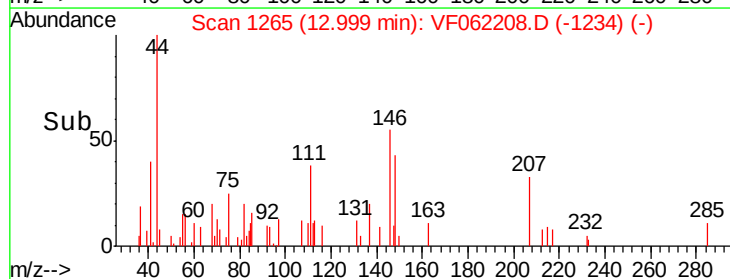
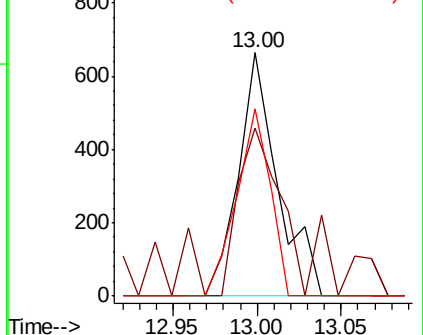
148 66.2 33.0 99.0

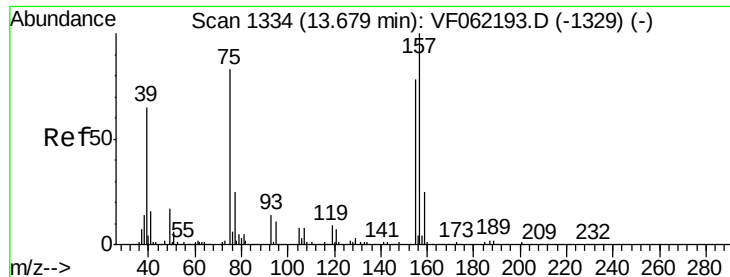


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.211 ug/l

RT: 13.73 min Scan# 1339

Delta R.T. 0.05 min

Lab File: VF062208.D

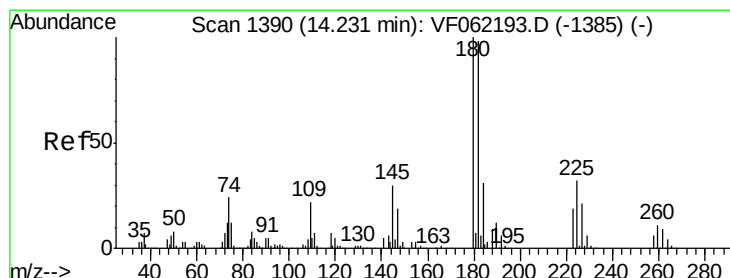
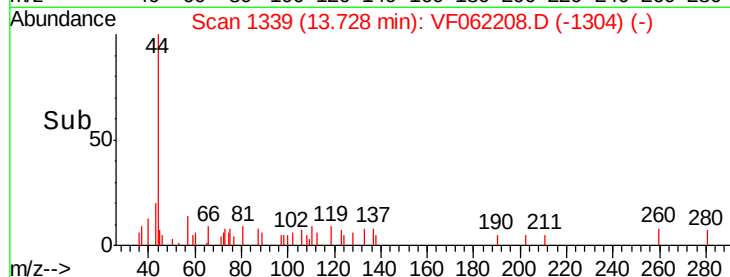
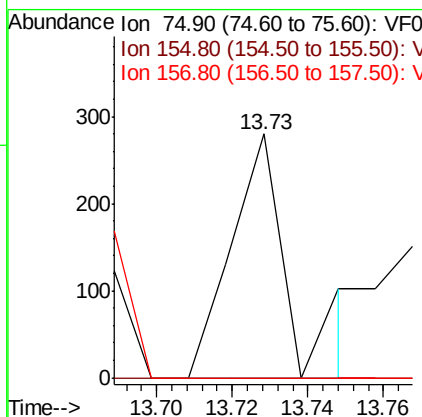
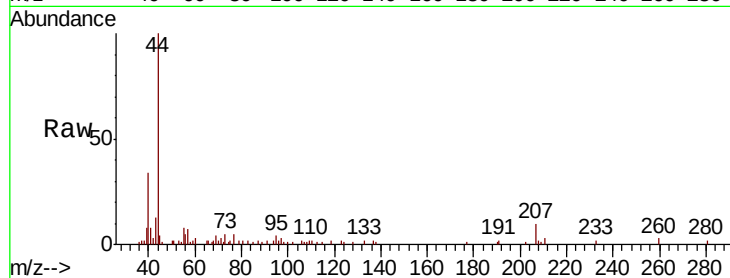
Acq: 18 Apr 2019 16:42

Instrument :

MSVOA\_F

ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 75    | Resp: | 304    |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 155      | 0.0   | 47.6  | 142.8# |
| 157      | 0.0   | 61.3  | 183.9# |



#93

1,2,4-Trichlorobenzene

Concen: 1.262 ug/l

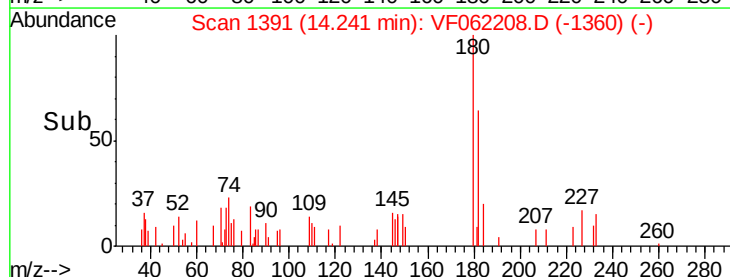
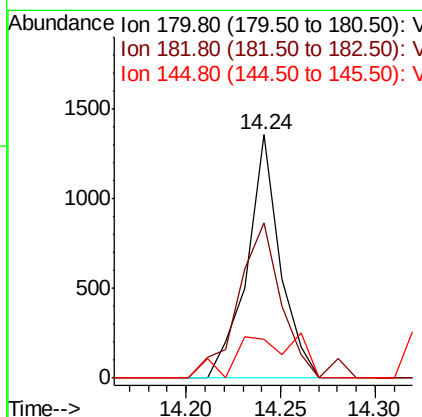
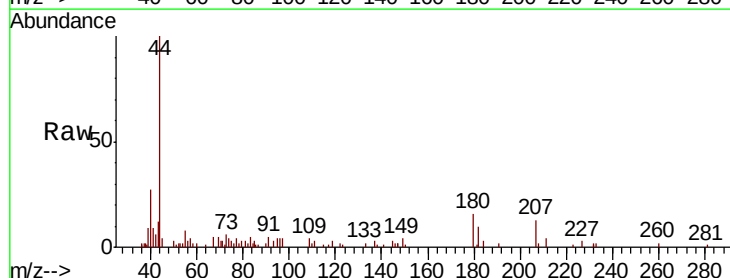
RT: 14.24 min Scan# 1391

Delta R.T. 0.01 min

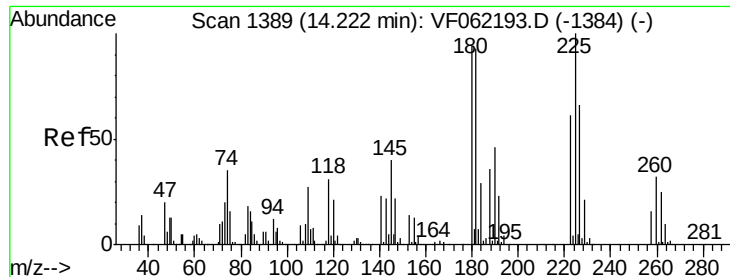
Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 1649  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 85.5  | 49.3  | 147.9 |
| 145      | 33.8  | 18.1  | 54.4  |







#94

Hexachlorobutadiene

Concen: 0.232 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

Instrument :

MSVOA\_F

ClientSampleId :

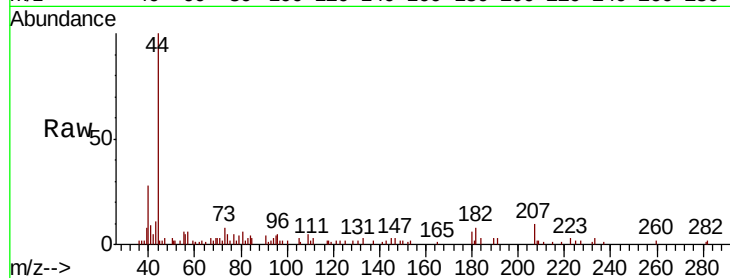
Tot Ion:225 Resp: 208

Ion Ratio Lower Upper

225 100

223 105.3 31.0 93.0#

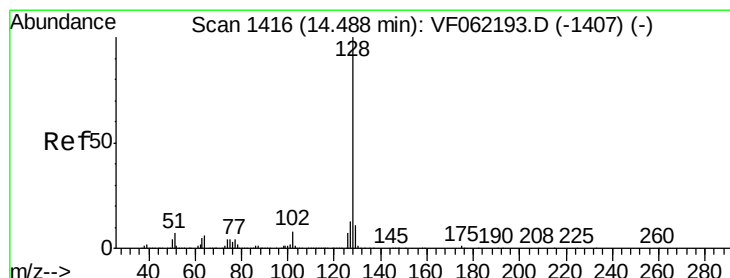
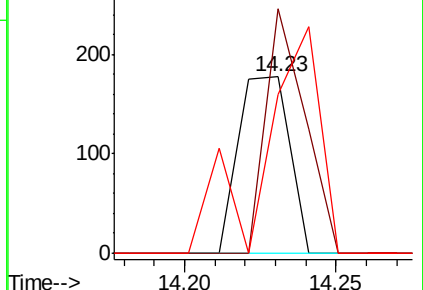
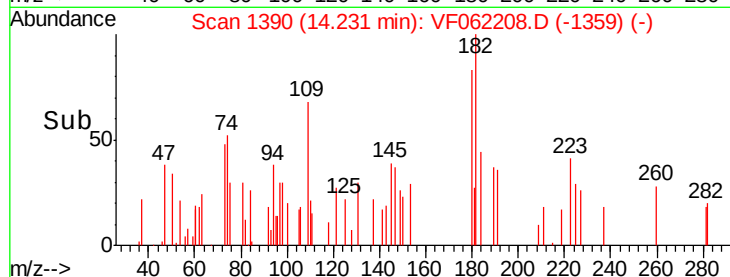
227 140.4 32.4 97.0#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 5.829 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

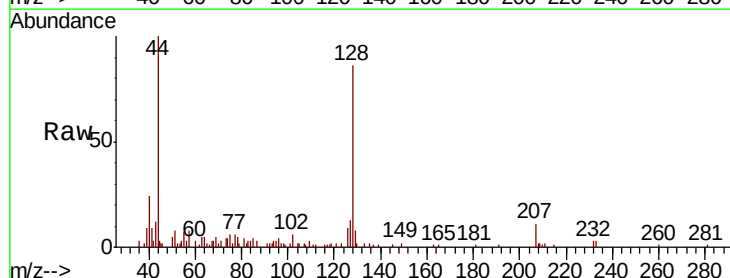
Tgt Ion:128 Resp: 13319

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

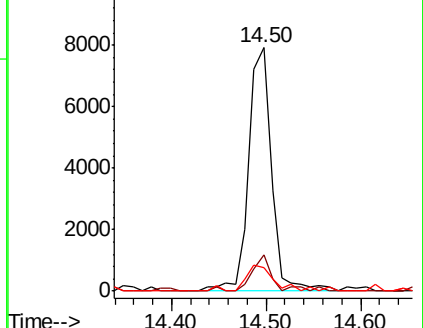
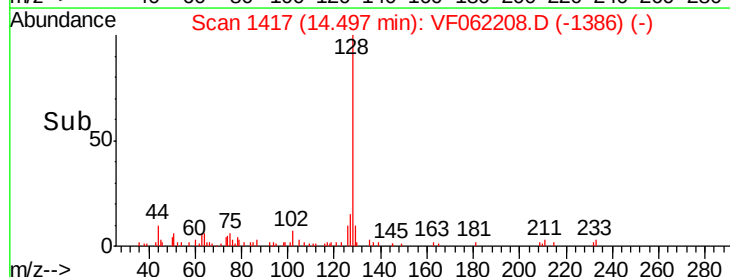
129 11.8 9.2 13.8

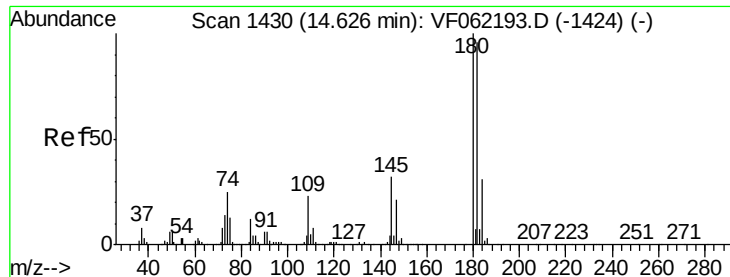


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 1.218 ug/l

RT: 14.64 min Scan# 1432

Delta R.T. 0.02 min

Lab File: VF062208.D

Acq: 18 Apr 2019 16:42

Instrument :

MSVOA\_F

ClientSampleId :

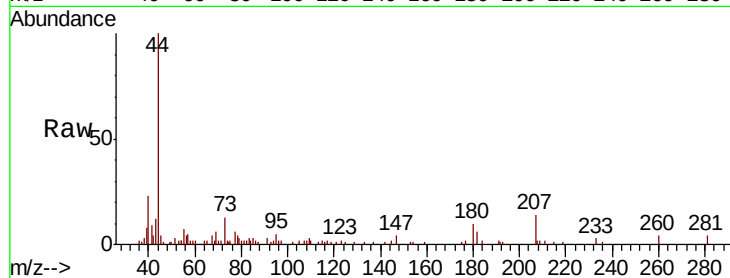
Tot Ion:180 Resp: 1528

Ion Ratio Lower Upper

180 100

182 76.2 48.4 145.3

145 36.3 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

