

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\  
 Data File : VF062594.D  
 Acq On : 14 May 2019 22:05  
 Operator : FY/SY  
 Sample : K2836-01  
 Misc : 5.38g/5mL/MSVOA F/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 CULVER-CBTC-WC1-051019

Quant Time: May 15 05:17:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F051419S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 15 05:06:28 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.08  | 168  | 1056     | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.87  | 114  | 397      | 50.00 | ug/l  | 0.06     |
| 63) Chlorobenzene-d5       | 10.02 | 117  | 219      | 50.00 | ug/l  | 0.08     |
| 72) 1,4-Dichlorobenzene-d4 | 12.61 | 152  | 318      | 50.00 | ug/l  | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.05  | 65   | 195      | 24.44  | ug/l    | -0.02    |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 48.88%  |          |
| 35) Dibromofluoromethane    | 4.39  | 113  | 79       | 26.74  | ug/l    | 0.05     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 53.48%  |          |
| 50) Toluene-d8              | 7.91  | 98   | 169      | 24.27  | ug/l    | 0.17     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 48.54%  |          |
| 62) 4-Bromofluorobenzene    | 11.64 | 95   | 366      | 150.52 | ug/l    | 0.12     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 301.04% |          |

| Target Compounds              | R.T. | QIon | Response | Conc      | Units  | Qvalue |
|-------------------------------|------|------|----------|-----------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.00 | 85   | 541      | 57.917    | ug/l # | 45     |
| 3) Chloromethane              | 1.13 | 50   | 106      | 8.802     | ug/l # | 31     |
| 4) Vinyl Chloride             | 1.19 | 62   | 343      | 28.617    | ug/l # | 42     |
| 5) Bromomethane               | 1.35 | 94   | 340      | 63.626    | ug/l   | 88     |
| 6) Chloroethane               | 1.37 | 64   | 659      | 144.782   | ug/l   | 95     |
| 7) Trichlorofluoromethane     | 1.54 | 101  | 102      | 6.211     | ug/l   | 96     |
| 8) Diethyl Ether              | 1.70 | 74   | 346      | 93.989    | ug/l   | 79     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.91 | 101  | 357      | 31.870    | ug/l # | 34     |
| 10) Methyl Iodide             | 2.00 | 142  | 377      | 18.897    | ug/l # | 36     |
| 11) Tert butyl alcohol        | 2.68 | 59   | 196      | 408.071   | ug/l # | 73     |
| 12) 1,1-Dichloroethene        | 1.90 | 96   | 808      | 84.204    | ug/l # | 17     |
| 13) Acrolein                  | 1.97 | 56   | 235      | 738.260   | ug/l   | 88     |
| 14) Allyl chloride            | 2.22 | 41   | 1404     | 142.992   | ug/l # | 41     |
| 15) Acrylonitrile             | 3.09 | 53   | 308      | 179.263   | ug/l # | 42     |
| 16) Acetone                   | 2.22 | 43   | 1086     | 670.879   | ug/l   | 90     |
| 17) Carbon Disulfide          | 1.94 | 76   | 63       | Below Cal | #      | 1      |
| 18) Methyl Acetate            | 2.43 | 43   | 801      | 261.362   | ug/l   | 94     |
| 19) Methyl tert-butyl Ether   | 2.56 | 73   | 1274     | 74.567    | ug/l # | 79     |
| 20) Methylene Chloride        | 2.31 | 84   | 85       | 6.320     | ug/l # | 10     |
| 21) trans-1,2-Dichloroethene  | 2.44 | 96   | 233      | 24.094    | ug/l # | 37     |
| 22) Diisopropyl ether         | 2.96 | 45   | 823      | 36.050    | ug/l # | 83     |
| 23) Vinyl Acetate             | 3.35 | 43   | 1090     | 87.290    | ug/l # | 68     |
| 24) 1,1-Dichloroethane        | 3.04 | 63   | 657      | 37.804    | ug/l # | 86     |
| 25) 2-Butanone                | 4.53 | 43   | 864      | 236.087   | ug/l   | 96     |
| 26) 2,2-Dichloropropane       | 3.79 | 77   | 1383     | 147.452   | ug/l # | 51     |
| 27) cis-1,2-Dichloroethene    | 3.69 | 96   | 772      | 56.503    | ug/l   | 35     |
| 28) Bromochloromethane        | 3.90 | 49   | 310      | 31.733    | ug/l # | 14     |
| 29) Tetrahydrofuran           | 4.00 | 42   | 493      | 318.338   | ug/l   | 94     |
| 30) Chloroform                | 4.08 | 83   | 69       | 3.309     | ug/l # | 20     |
| 31) Cyclohexane               | 3.94 | 56   | 460      | 25.396    | ug/l # | 63     |
| 32) 1,1,1-Trichloroethane     | 4.32 | 97   | 172      | 12.236    | ug/l # | 45     |
| 36) 1,1-Dichloropropene       | 4.56 | 75   | 238      | 69.282    | ug/l # | 2      |
| 37) Ethyl Acetate             | 4.36 | 43   | 508      | 359.858   | ug/l # | 2      |
| 38) Carbon Tetrachloride      | 4.29 | 117  | 457      | 162.170   | ug/l # | 11     |

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 Quant Title : SW846 8260  
 QLast Update : Wed May 15 05:06:28 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| -----                          |       |      |          |           |        |          |
| 39) Methylcyclohexane          | 5.73  | 83   | 89       | 22.128    | ug/l # | 1        |
| 40) Benzene                    | 5.02  | 78   | 568      | 58.120    | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.00  | 41   | 304      | 380.284   | ug/l # | 68       |
| 42) 1,2-Dichloroethane         | 5.19  | 62   | 65       | 31.342    | ug/l   | 71       |
| 43) Isopropyl Acetate          | 7.23  | 43   | 1340     | 802.165   | ug/l # | 75       |
| 44) Trichloroethene            | 5.80  | 130  | 168      | 63.654    | ug/l   | 3        |
| 45) 1,2-Dichloropropane        | 6.46  | 63   | 392      | 159.353   | ug/l   | 99       |
| 46) Dibromomethane             | 6.40  | 93   | 276      | 200.680   | ug/l # | 5        |
| 47) Bromodichloromethane       | 6.69  | 83   | 200      | 67.646    | ug/l # | 91       |
| 48) Methyl methacrylate        | 6.99  | 41   | 845      | 924.133   | ug/l   | 92       |
| 49) 1,4-Dioxane                | 7.00  | 88   | 230      | 19088.215 | ug/l # | 20       |
| 51) 4-Methyl-2-Pentanone       | 8.54  | 43   | 559      | 456.695   | ug/l # | 34       |
| 52) Toluene                    | 7.86  | 92   | 265      | 54.017    | ug/l # | 1        |
| 53) t-1,3-Dichloropropene      | 8.54  | 75   | 503      | 215.349   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 7.63  | 75   | 443      | 134.213   | ug/l # | 1        |
| 55) 1,1,2-Trichloroethane      | 8.78  | 97   | 203      | 138.201   | ug/l # | 14       |
| 56) Ethyl methacrylate         | 8.91  | 69   | 86       | 53.419    | ug/l # | 1        |
| 57) 1,3-Dichloropropane        | 9.13  | 76   | 277      | 114.257   | ug/l # | 1        |
| 58) 2-Chloroethyl Vinyl ether  | 7.57  | 63   | 194      | 385.134   | ug/l # | 53       |
| 59) 2-Hexanone                 | 9.75  | 43   | 510      | 630.882   | ug/l   | 99       |
| 60) Dibromochloromethane       | 8.87  | 129  | 127      | 68.050    | ug/l   | 60       |
| 61) 1,2-Dibromoethane          | 9.13  | 107  | 63       | 42.764    | ug/l   | 87       |
| 64) Tetrachloroethene          | 8.34  | 164  | 65       | 44.916    | ug/l # | 1        |
| 65) Chlorobenzene              | 10.01 | 112  | 197      | 51.742    | ug/l # | 1        |
| 66) 1,1,1,2-Tetrachloroethane  | 10.19 | 131  | 205      | 131.088   | ug/l   | 83       |
| 67) Ethyl Benzene              | 10.05 | 91   | 169      | 24.983    | ug/l # | 44       |
| 68) m/p-Xylenes                | 10.39 | 106  | 137      | 57.140    | ug/l   | 82       |
| 69) o-Xylene                   | 10.84 | 106  | 69       | 27.434    | ug/l   | 80       |
| 70) Styrene                    | 10.93 | 104  | 248      | 64.892    | ug/l # | 1        |
| 71) Bromoform                  | 10.91 | 173  | 96       | 130.377   | ug/l # | 29       |
| 73) Isopropylbenzene           | 11.19 | 105  | 78       | 3.648     | ug/l # | 48       |
| 74) N-amyl acetate             | 11.49 | 43   | 931      | 179.326   | ug/l # | 51       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.83 | 83   | 359      | 81.958    | ug/l # | 25       |
| 76) 1,2,3-Trichloropropane     | 11.87 | 75   | 299      | 106.476   | ug/l # | 1        |
| 77) Bromobenzene               | 11.61 | 156  | 186      | 38.495    | ug/l   | 83       |
| 78) n-propylbenzene            | 11.69 | 91   | 468      | 18.402    | ug/l # | 52       |
| 79) 2-Chlorotoluene            | 11.83 | 91   | 135      | 9.619     | ug/l # | 1        |
| 80) 1,3,5-Trimethylbenzene     | 11.75 | 105  | 108      | 6.453     | ug/l   | 69       |
| 81) trans-1,4-Dichloro-2-buten | 11.97 | 75   | 466      | 389.336   | ug/l # | 27       |
| 82) 4-Chlorotoluene            | 11.98 | 91   | 75       | 5.465     | ug/l # | 40       |
| 83) tert-Butylbenzene          | 12.20 | 119  | 461      | 26.332    | ug/l # | 34       |
| 84) 1,2,4-Trimethylbenzene     | 12.29 | 105  | 220      | 13.381    | ug/l # | 1        |
| 85) sec-Butylbenzene           | 12.35 | 105  | 69       | 2.903     | ug/l # | 59       |
| 86) p-Isopropyltoluene         | 12.54 | 119  | 193      | 9.864     | ug/l # | 51       |
| 87) 1,3-Dichlorobenzene        | 12.52 | 146  | 219      | 23.173    | ug/l # | 23       |
| 88) 1,4-Dichlorobenzene        | 12.67 | 146  | 81       | 9.137     | ug/l # | 23       |
| 89) n-Butylbenzene             | 12.93 | 91   | 117      | 5.875     | ug/l # | 28       |
| 90) Hexachloroethane           | 12.97 | 117  | 297      | 59.260    | ug/l # | 21       |
| 91) 1,2-Dichlorobenzene        | 13.01 | 146  | 235      | 28.030    | ug/l # | 24       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.70 | 75   | 487      | 905.120   | ug/l # | 1        |

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Sample : K2836-01  
Misc : 5.38g/5mL/MSVOA F/SOIL  
ALS Vial : 16 Sample Multiplier: 1

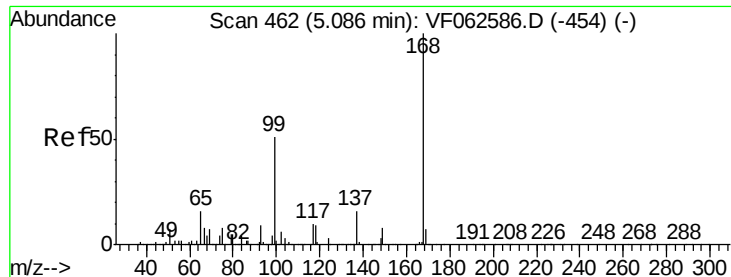
Instrument :  
MSVOA\_F  
ClientSampleId :  
CULVER-CBTC-WC1-051019

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| Internal Standards         | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|----------------------------|-------|------|----------|--------|--------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.31 | 180  | 108      | 18.525 | ug/l # | 12       |
| 94) Hexachlorobutadiene    | 14.26 | 225  | 64       | 15.112 | ug/l # | 19       |
| 95) Naphthalene            | 14.50 | 128  | 466      | 49.108 | ug/l # | 70       |
| 96) 1,2,3-Trichlorobenzene | 14.66 | 180  | 70       | 12.942 | ug/l # | 1        |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. -0.01 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

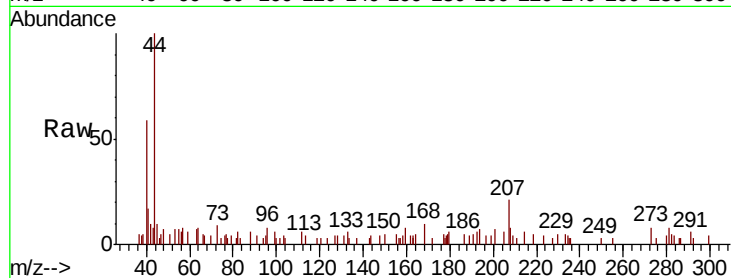
CULVER-CBTC-WC1-051019

Tot Ion:168 Resp: 1056

Ion Ratio Lower Upper

168 100

99 52.5 41.0 61.6

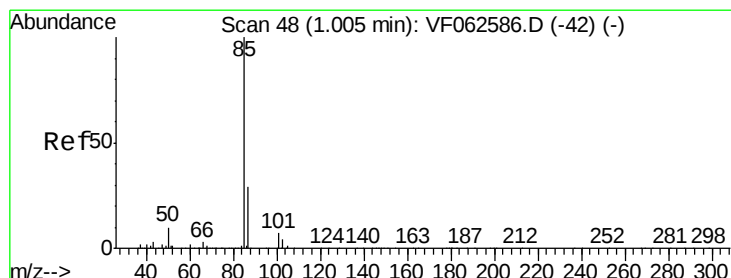
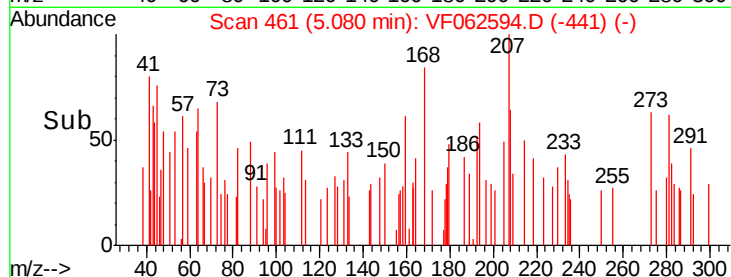


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

Time-->



#2

Dichlorodifluoromethane

Concen: 57.917 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062594.D

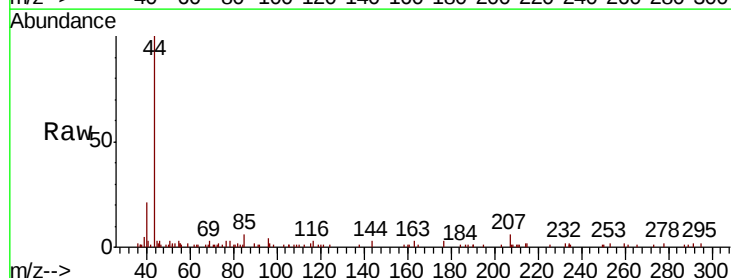
Acq: 14 May 2019 22:05

Tgt Ion: 85 Resp: 541

Ion Ratio Lower Upper

85 100

87 0.0 14.6 43.8#

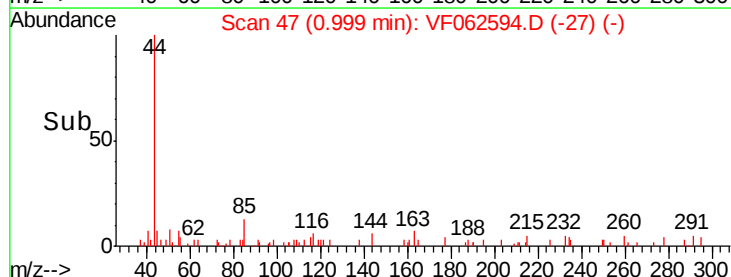


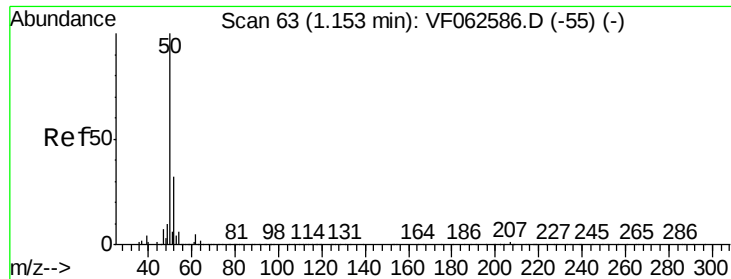
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

Time-->





#3

Chloromethane

Concen: 8.802 ug/l

RT: 1.13 min Scan# 60

Delta R.T. -0.03 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

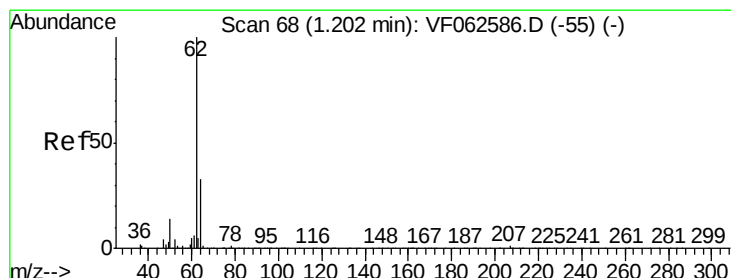
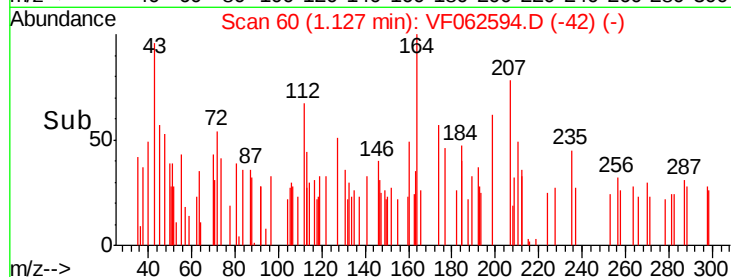
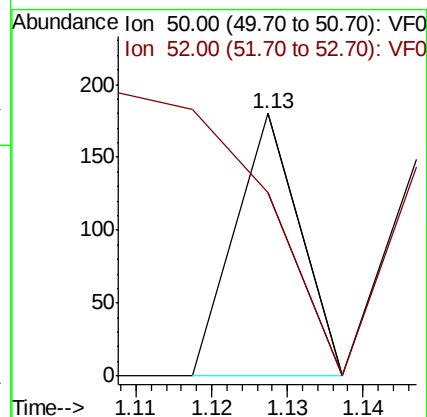
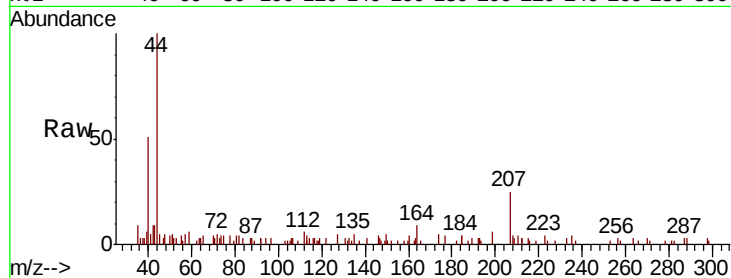
CULVER-CBTC-WC1-051019

Tot Ion: 50 Resp: 106

Ion Ratio Lower Upper

50 100

52 70.0 25.3 37.9#



#4

Vinyl Chloride

Concen: 28.617 ug/l

RT: 1.19 min Scan# 66

Delta R.T. -0.02 min

Lab File: VF062594.D

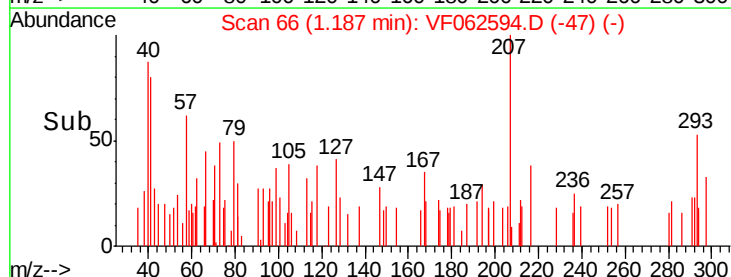
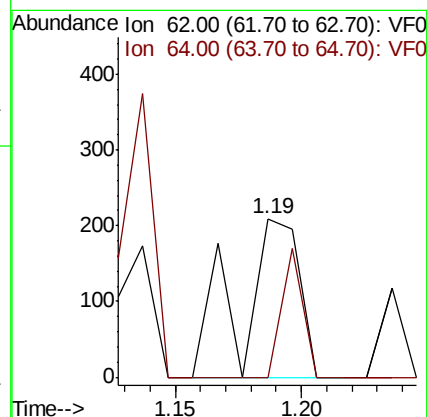
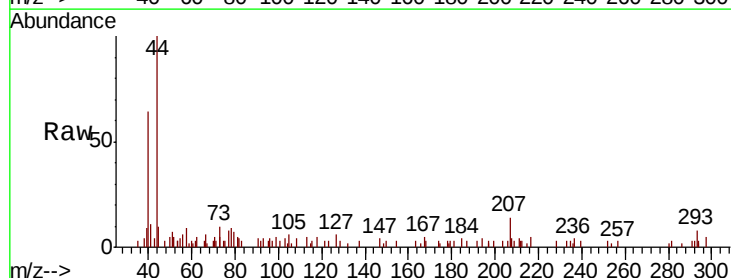
Acq: 14 May 2019 22:05

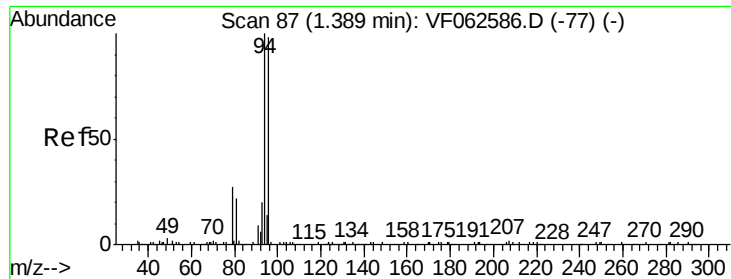
Tgt Ion: 62 Resp: 343

Ion Ratio Lower Upper

62 100

64 0.0 26.5 39.7#





#5

Bromomethane

Concen: 63.626 ug/l

RT: 1.35 min Scan# 83

Delta R.T. -0.03 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

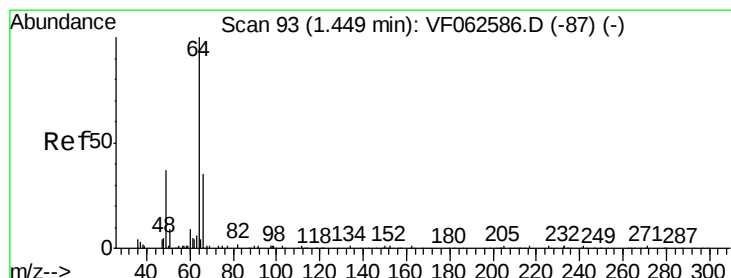
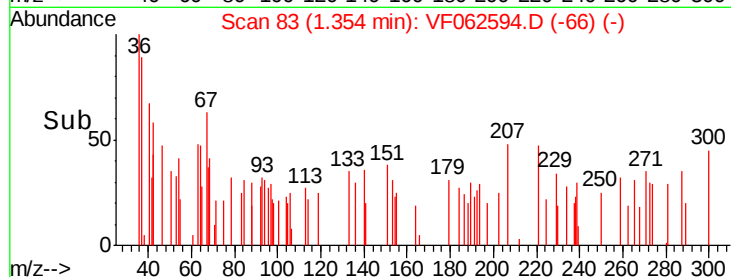
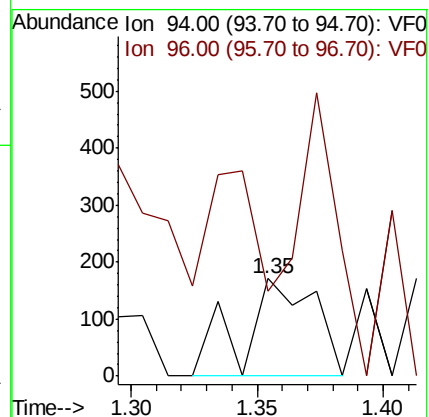
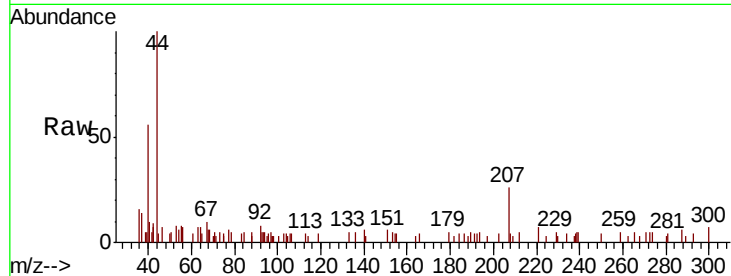
CULVER-CBTC-WC1-051019

Tot Ion: 94 Resp: 340

Ion Ratio Lower Upper

94 100

96 87.1 79.3 118.9



#6

Chloroethane

Concen: 144.782 ug/l

RT: 1.37 min Scan# 85

Delta R.T. -0.07 min

Lab File: VF062594.D

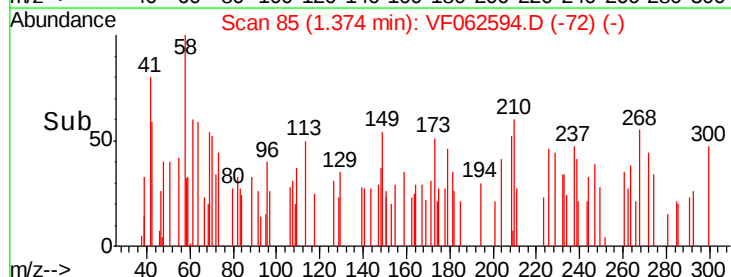
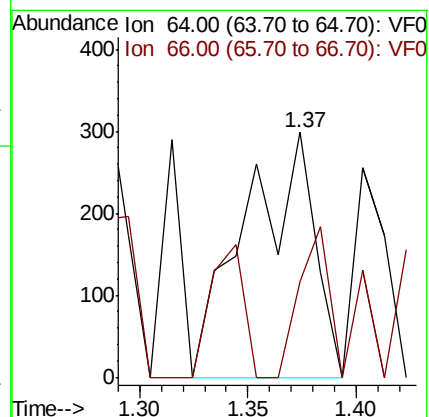
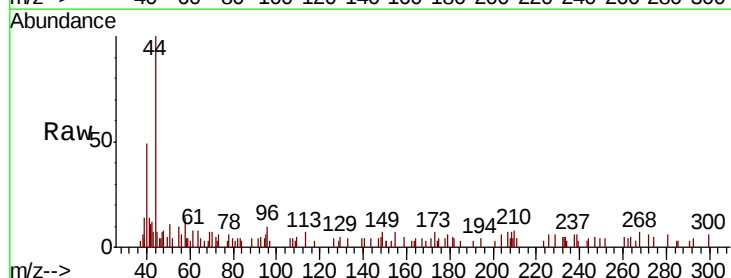
Acq: 14 May 2019 22:05

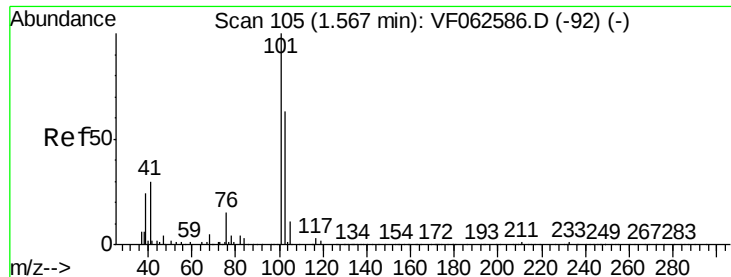
Tgt Ion: 64 Resp: 659

Ion Ratio Lower Upper

64 100

66 38.8 28.9 43.3



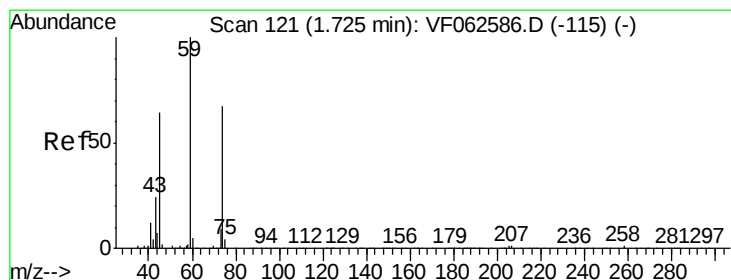
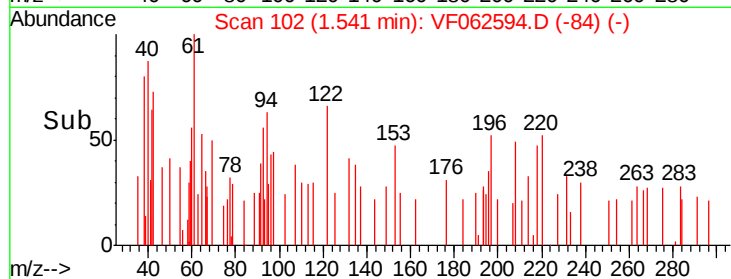
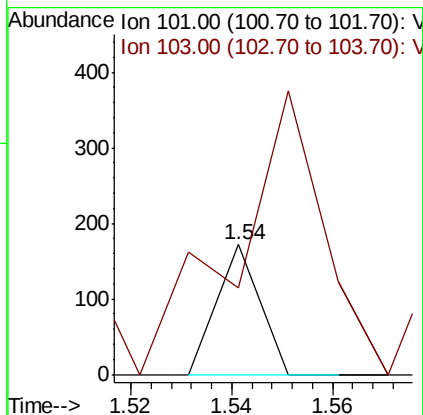
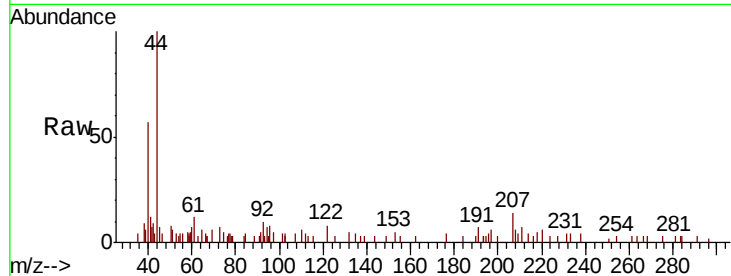


#7

Trichlorofluoromethane  
Concen: 6.211 ug/l  
RT: 1.54 min Scan# 102  
Delta R.T. -0.03 min  
Lab File: VF062594.D  
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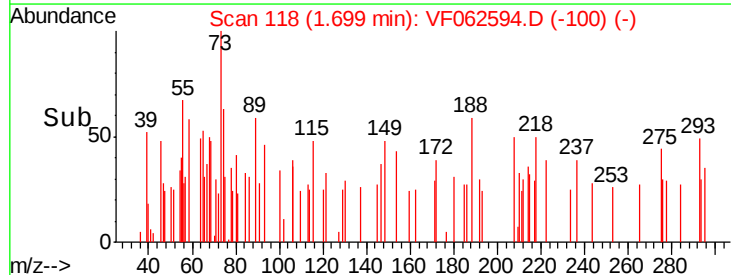
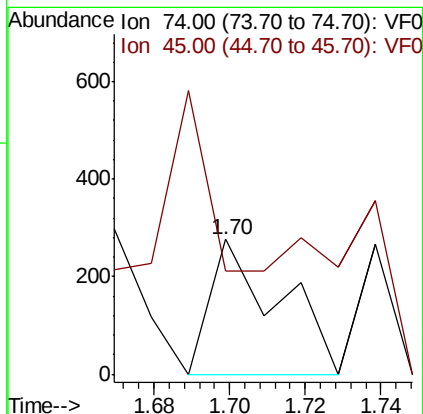
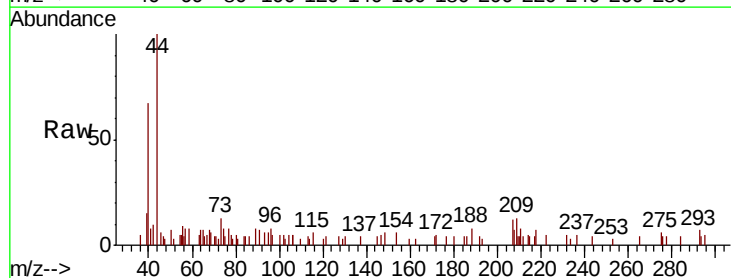
Tot Ion:101 Resp: 102  
Ion Ratio Lower Upper  
101 100  
103 66.3 50.8 76.2

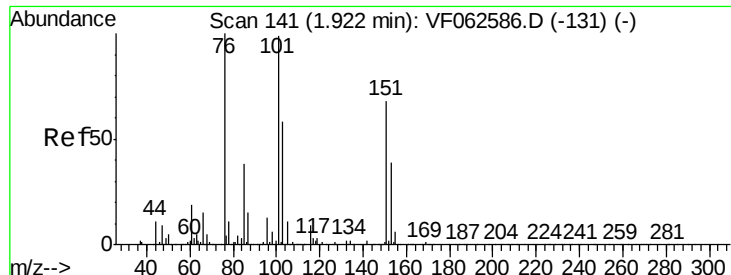


#8

Diethyl Ether  
Concen: 93.989 ug/l  
RT: 1.70 min Scan# 118  
Delta R.T. -0.03 min  
Lab File: VF062594.D  
Acq: 14 May 2019 22:05

Tgt Ion: 74 Resp: 346  
Ion Ratio Lower Upper  
74 100  
45 76.4 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 31.870 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

CULVER-CBTC-WC1-051019

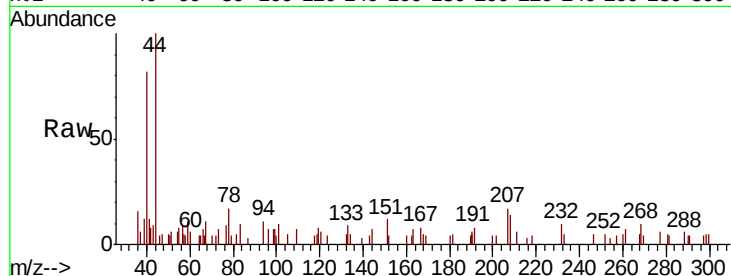
Tot Ion:101 Resp: 357

Ion Ratio Lower Upper

101 100

85 0.0 30.2 45.4#

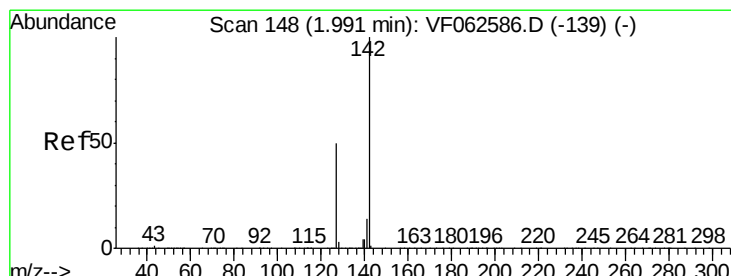
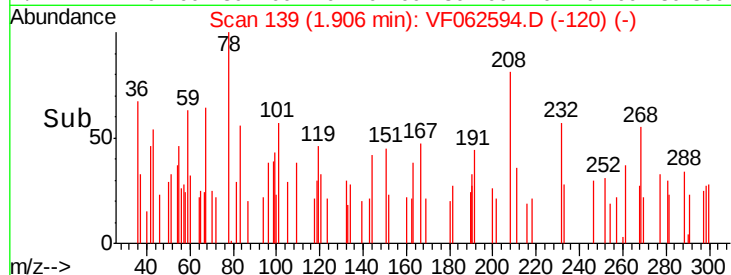
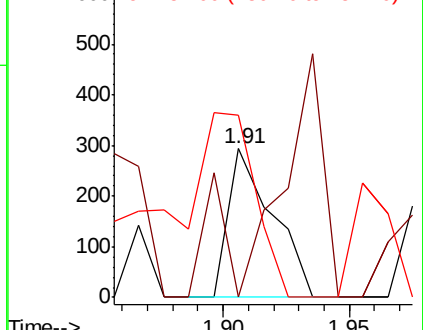
151 123.2 54.5 81.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 18.897 ug/l

RT: 2.00 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

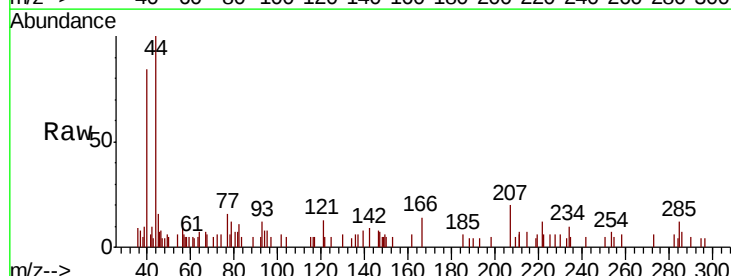
Tgt Ion:142 Resp: 377

Ion Ratio Lower Upper

142 100

127 0.0 40.2 60.4#

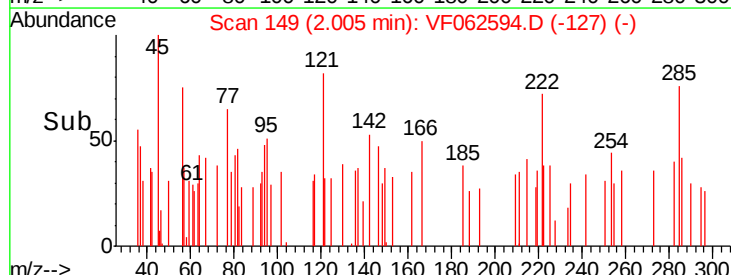
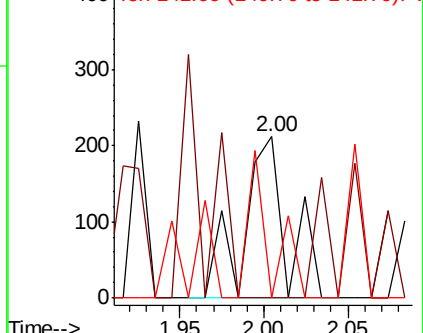
141 0.0 11.6 17.4#

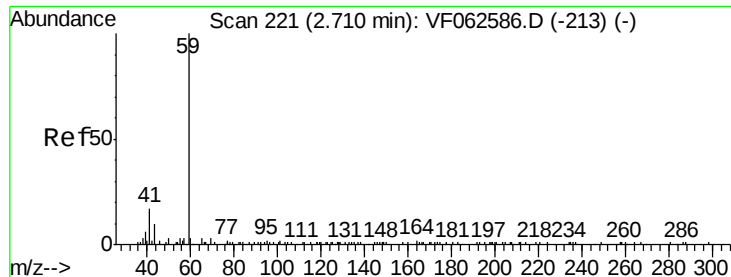


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



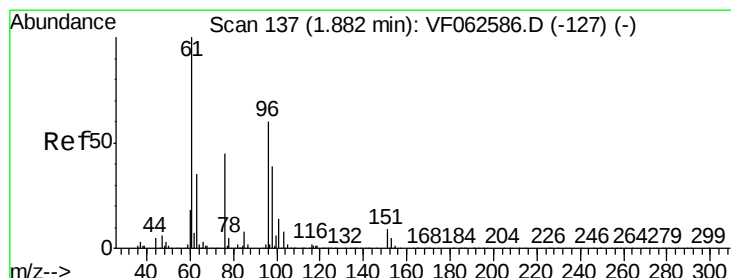
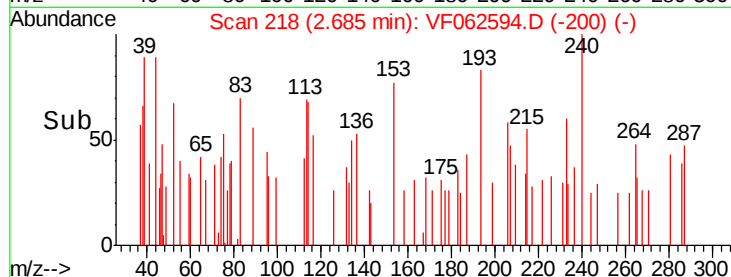
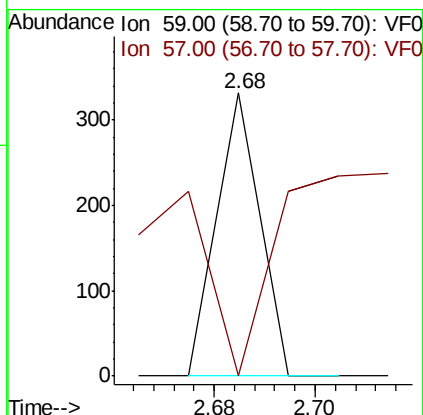
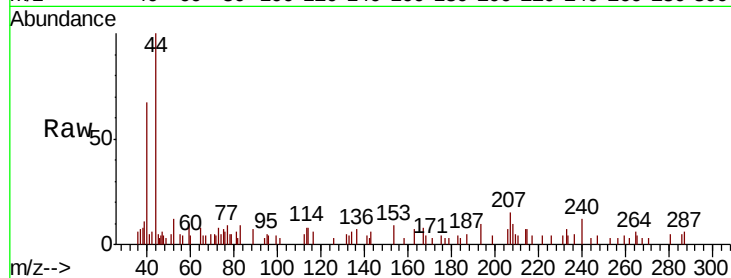


#11

Tert butyl alcohol  
Concen: 408.071 ug/l  
RT: 2.68 min Scan# 218  
Delta R.T. -0.03 min  
Lab File: VF062594.D  
Acq: 14 May 2019 22:05

Instrument :  
MSVOA\_F  
ClientSampleId :  
CULVER-CBTC-WC1-051019

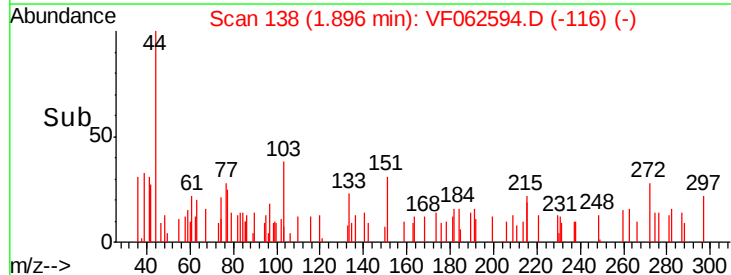
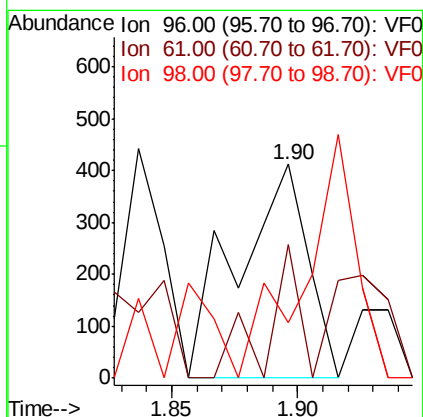
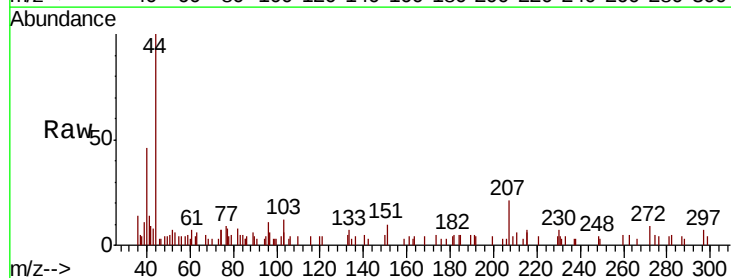
Tot Ion: 59 Resp: 196  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.0 12.0#

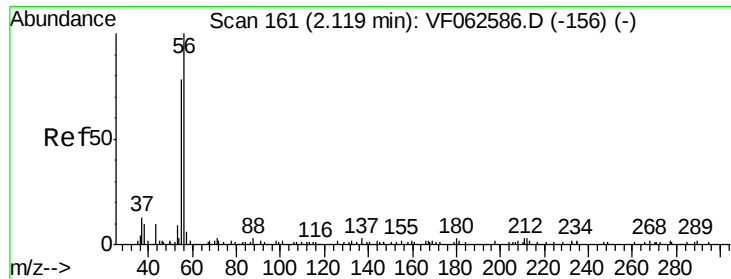


#12

1,1-Dichloroethene  
Concen: 84.204 ug/l  
RT: 1.90 min Scan# 138  
Delta R.T. 0.01 min  
Lab File: VF062594.D  
Acq: 14 May 2019 22:05

Tgt Ion: 96 Resp: 808  
Ion Ratio Lower Upper  
96 100  
61 41.3 132.0 198.0#  
98 17.3 51.3 76.9#





#13

Acrolein

Concen: 738.260 ug/l

RT: 1.97 min Scan# 145

Delta R.T. -0.15 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

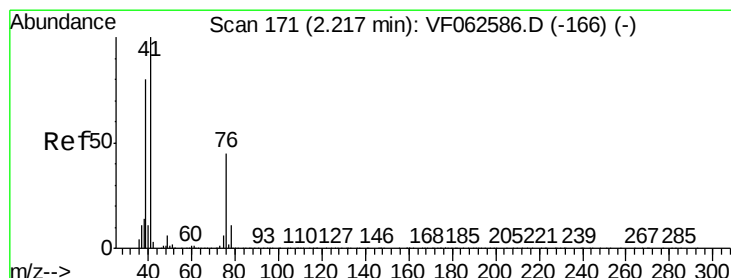
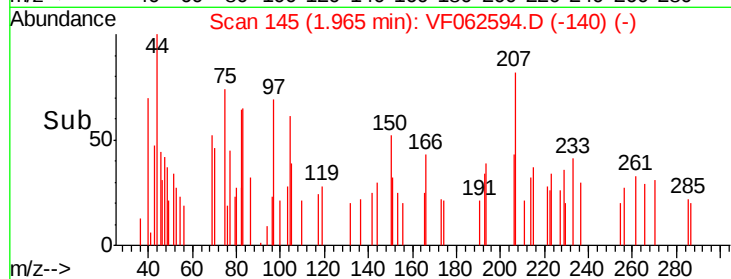
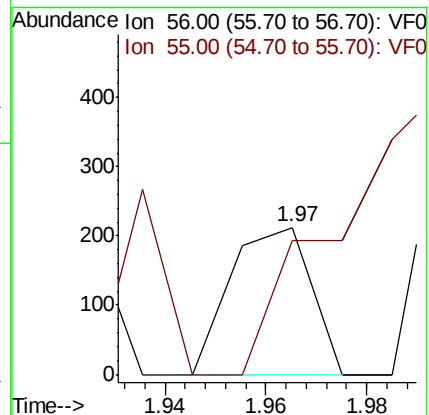
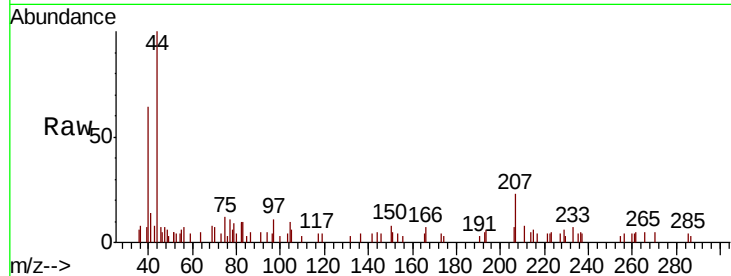
CULVER-CBTC-WC1-051019

Tot Ion: 56 Resp: 235

Ion Ratio Lower Upper

56 100

55 91.5 64.6 96.8



#14

Allyl chloride

Concen: 142.992 ug/l

RT: 2.22 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

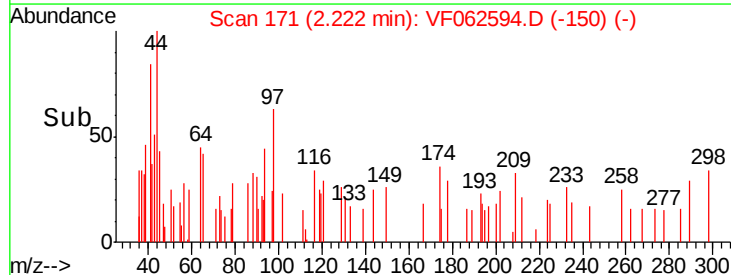
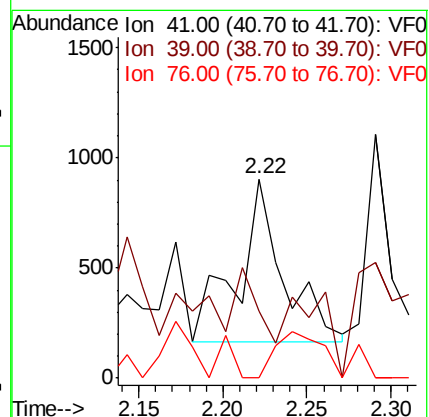
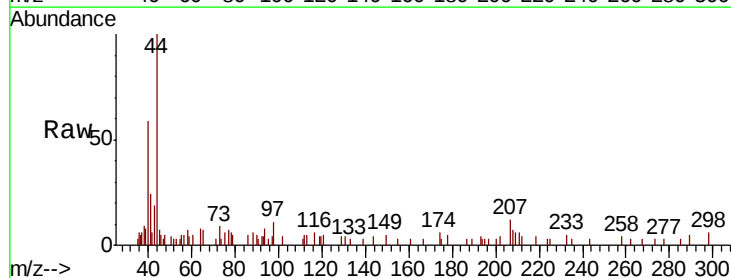
Tgt Ion: 41 Resp: 1404

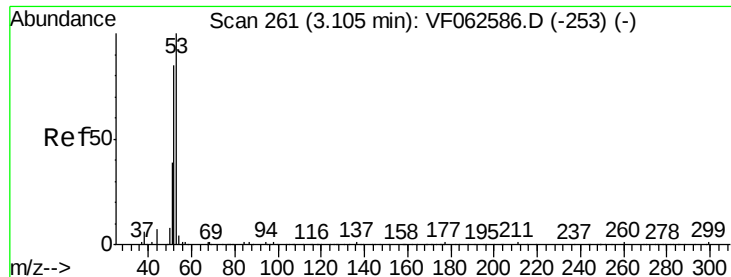
Ion Ratio Lower Upper

41 100

39 33.7 64.6 96.8#

76 0.0 36.1 54.1#





#15

Acrylonitrile

Concen: 179.263 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

CULVER-CBTC-WC1-051019

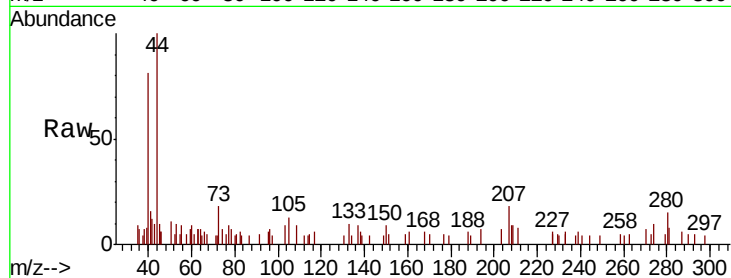
Tot Ion: 53 Resp: 308

Ion Ratio Lower Upper

53 100

52 52.7 68.3 102.5#

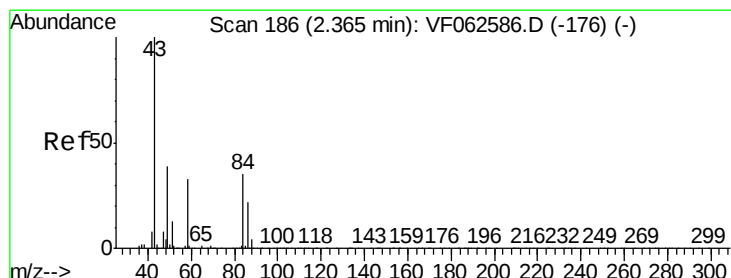
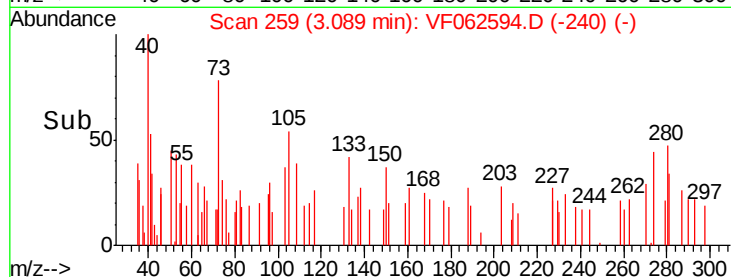
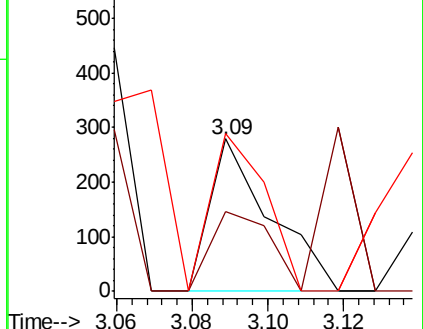
51 103.9 31.5 47.3#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 670.879 ug/l

RT: 2.22 min Scan# 171

Delta R.T. -0.14 min

Lab File: VF062594.D

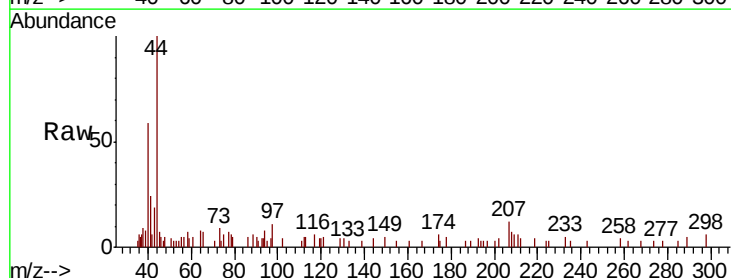
Acq: 14 May 2019 22:05

Tgt Ion: 43 Resp: 1086

Ion Ratio Lower Upper

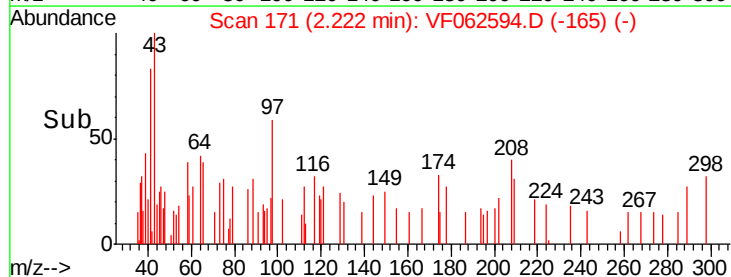
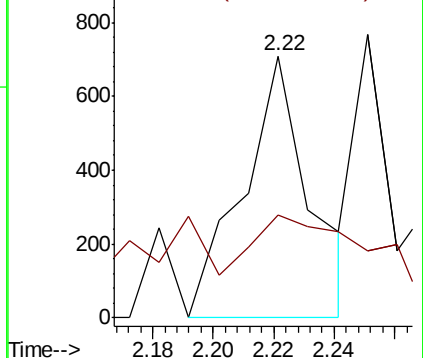
43 100

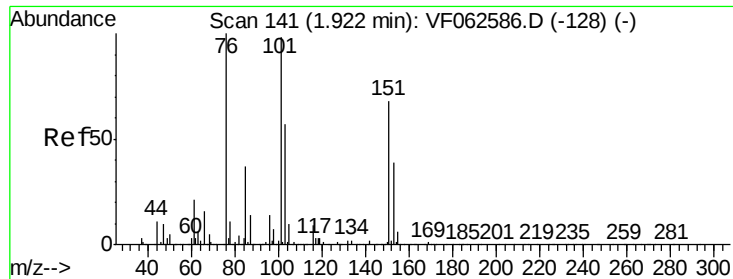
58 39.0 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

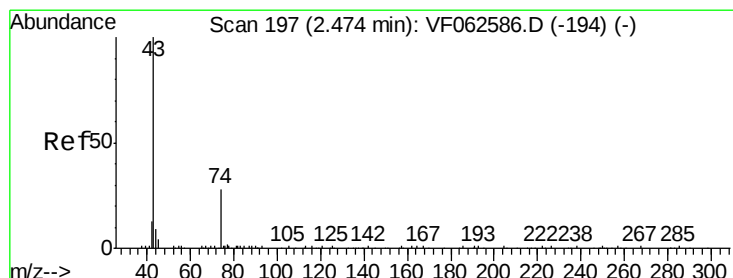
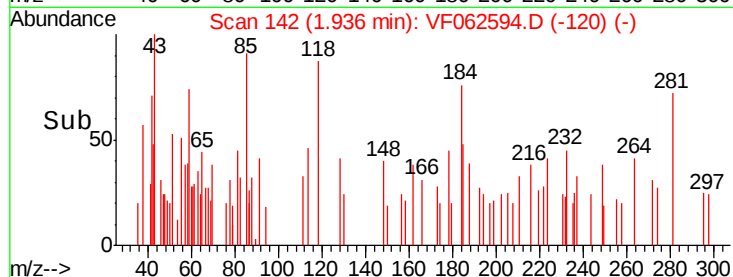
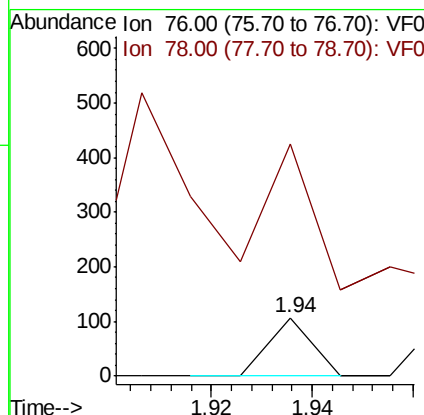
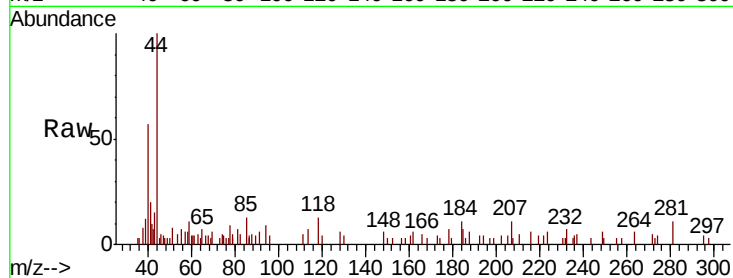




#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 1.94 min Scan# 142  
Delta R.T. 0.01 min  
Lab File: VF062594.D  
Acq: 14 May 2019 22:05

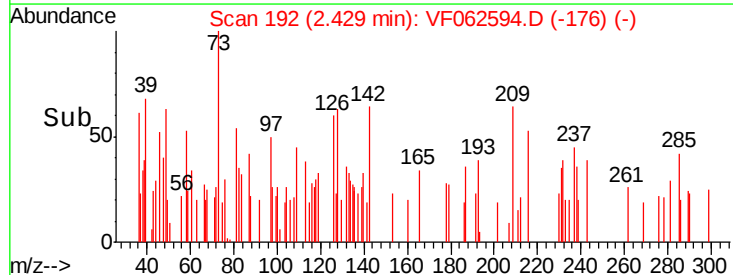
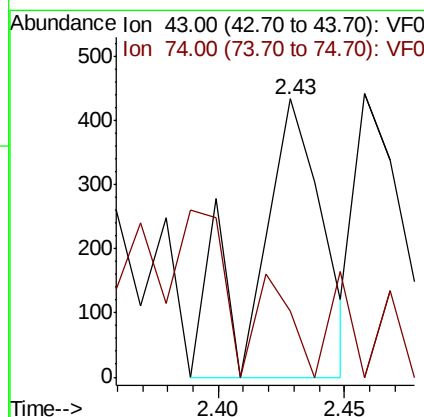
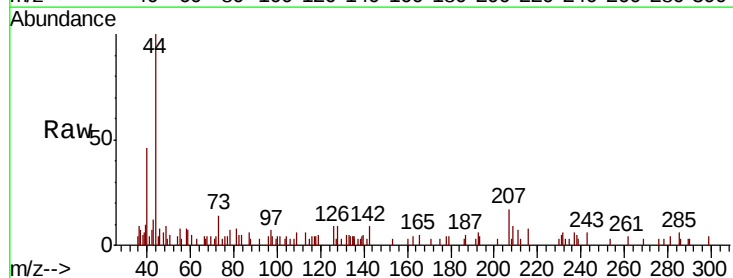
Instrument :  
MSVOA\_F  
ClientSampleId :  
CULVER-CBTC-WC1-051019

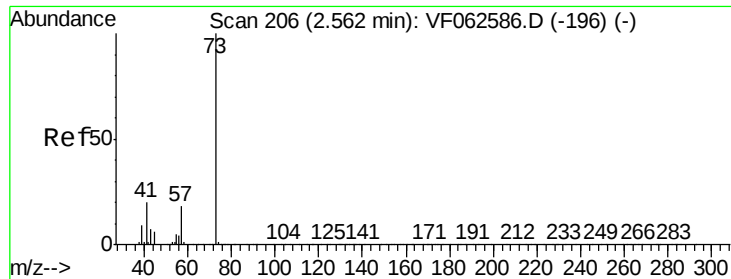
Tot Ion: 76 Resp: 63  
Ion Ratio Lower Upper  
76 100  
78 400.0 9.0 13.4#



#18  
Methyl Acetate  
Concen: 261.362 ug/l  
RT: 2.43 min Scan# 192  
Delta R.T. -0.04 min  
Lab File: VF062594.D  
Acq: 14 May 2019 22:05

Tgt Ion: 43 Resp: 801  
Ion Ratio Lower Upper  
43 100  
74 23.6 21.4 32.0



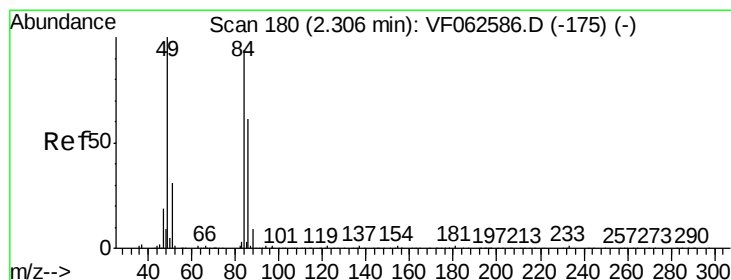
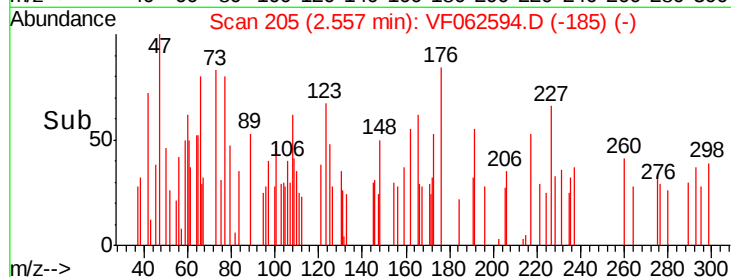
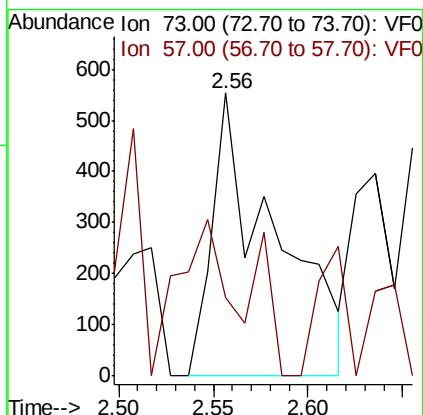
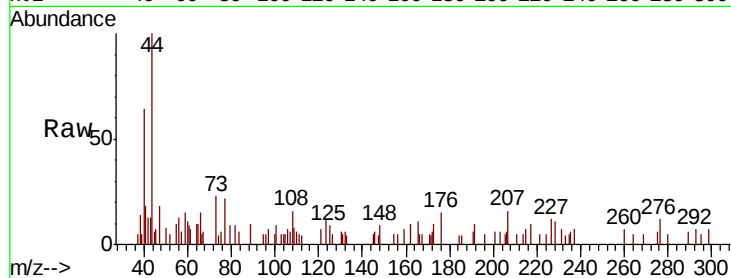


#19

Methyl tert-butyl Ether  
 Concen: 74.567 ug/l  
 RT: 2.56 min Scan# 205  
 Delta R.T. -0.01 min  
 Lab File: VF062594.D  
 Acq: 14 May 2019 22:05

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 CULVER-CBTC-WC1-051019

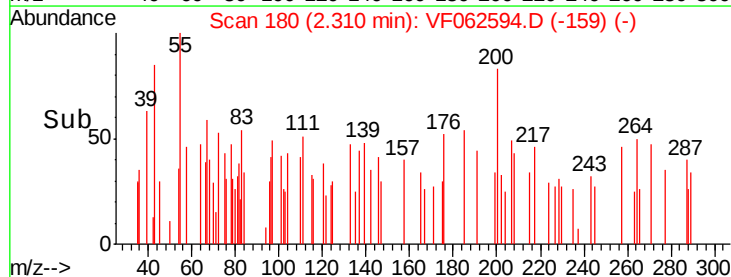
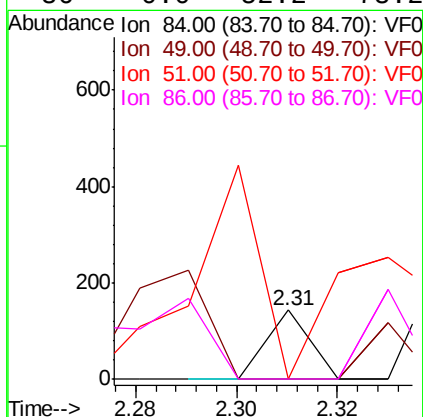
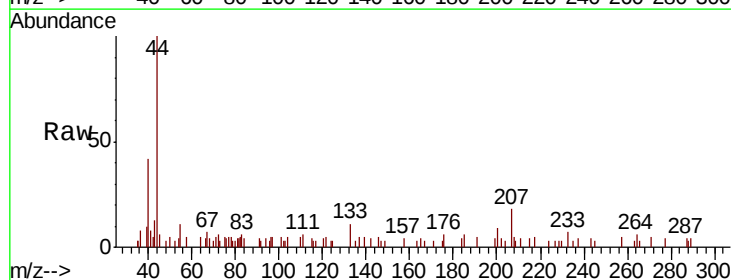
Tot Ion: 73 Resp: 1274  
 Ion Ratio Lower Upper  
 73 100  
 57 27.7 14.6 22.0#

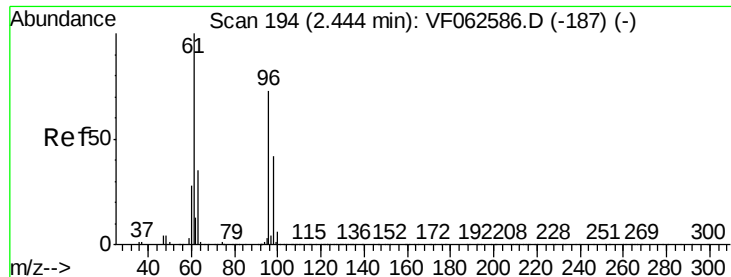


#20

Methylene Chloride  
 Concen: 6.320 ug/l  
 RT: 2.31 min Scan# 180  
 Delta R.T. 0.00 min  
 Lab File: VF062594.D  
 Acq: 14 May 2019 22:05

Tgt Ion: 84 Resp: 85  
 Ion Ratio Lower Upper  
 84 100  
 49 0.0 86.9 130.3#  
 51 0.0 27.0 40.6#  
 86 0.0 52.2 78.2#





#21

trans-1,2-Dichloroethene

Concen: 24.094 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

CULVER-CBTC-WC1-051019

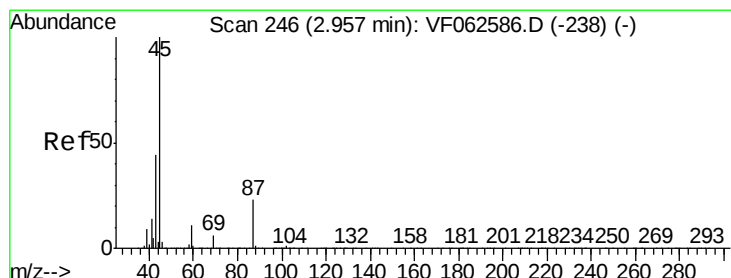
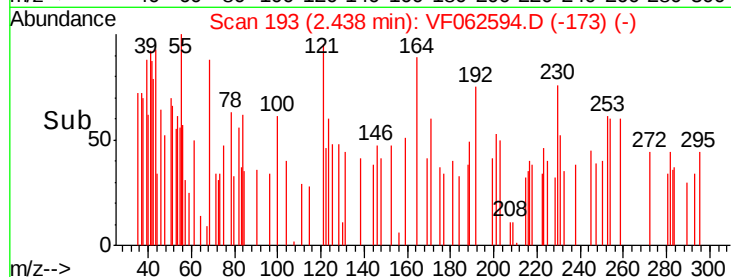
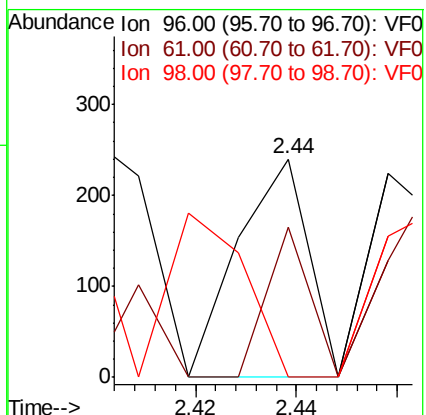
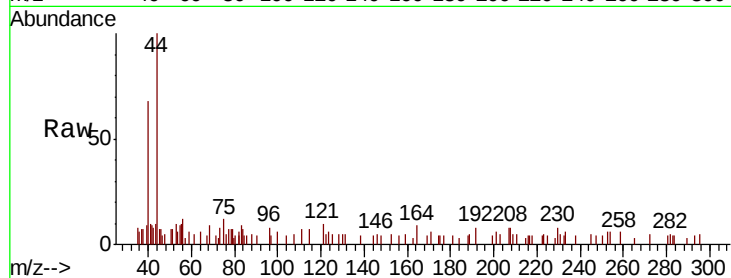
Tot Ion: 96 Resp: 233

Ion Ratio Lower Upper

96 100

61 68.8 109.2 163.8#

98 0.0 46.3 69.5#



#22

Diisopropyl ether

Concen: 36.050 ug/l

RT: 2.96 min Scan# 246

Delta R.T. 0.00 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Tgt Ion: 45 Resp: 823

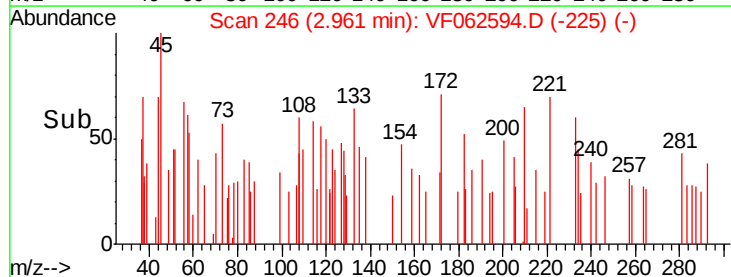
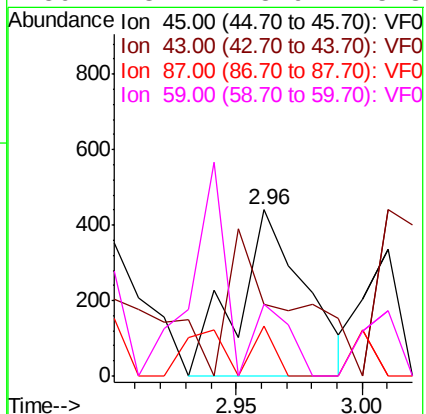
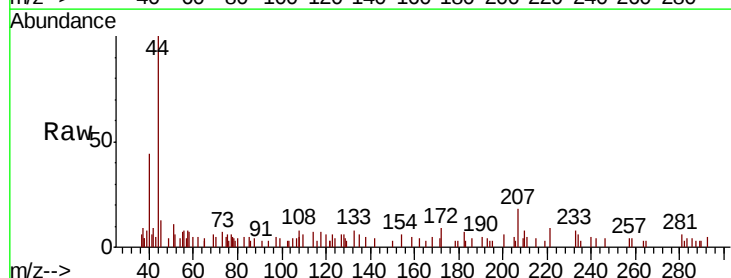
Ion Ratio Lower Upper

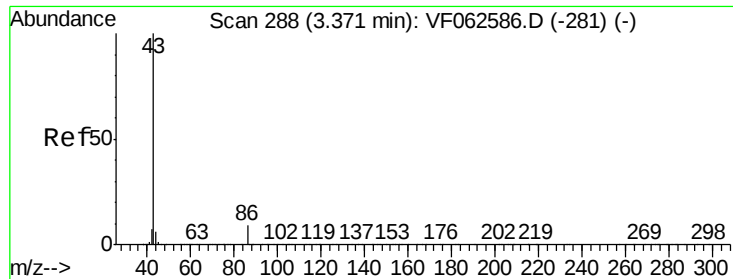
45 100

43 43.2 35.4 53.0

87 30.2 18.4 27.6#

59 43.2 8.9 13.3#





#23

Vinyl Acetate

Concen: 87.290 ug/l

RT: 3.35 min Scan# 285

Delta R.T. -0.03 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

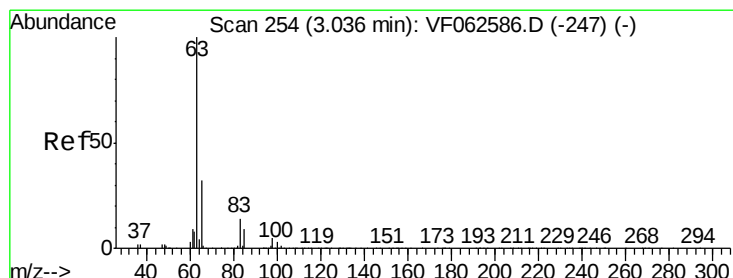
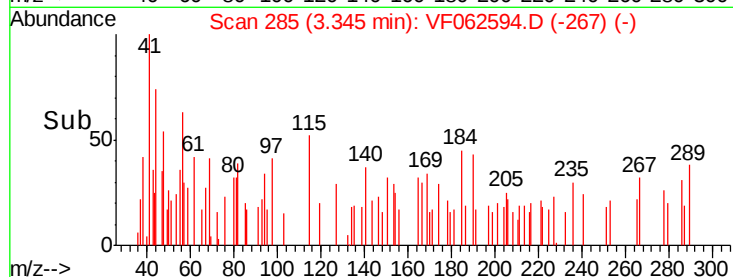
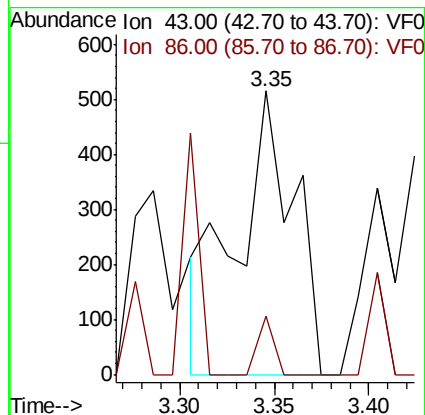
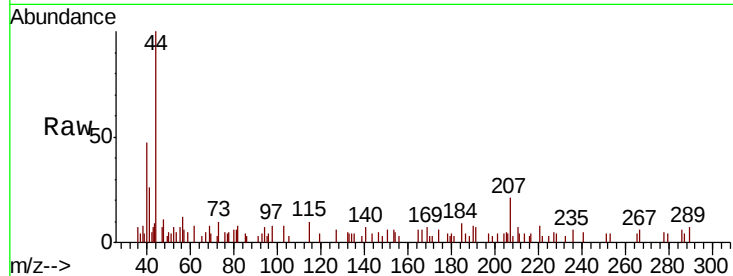
CULVER-CBTC-WC1-051019

Tot Ion: 43 Resp: 1090

Ion Ratio Lower Upper

43 100

86 20.4 7.1 10.7#



#24

1,1-Dichloroethane

Concen: 37.804 ug/l

RT: 3.04 min Scan# 254

Delta R.T. 0.00 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

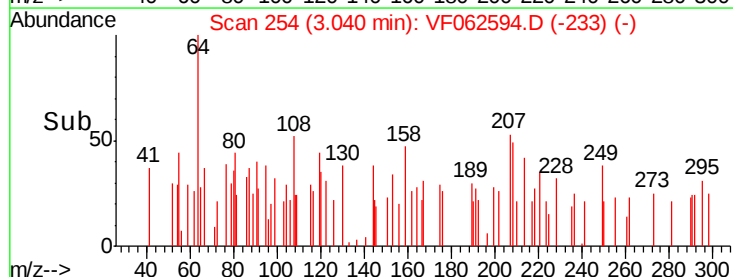
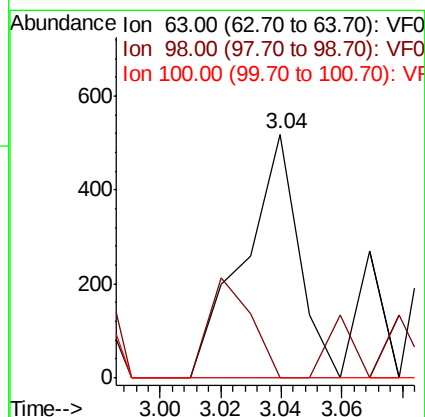
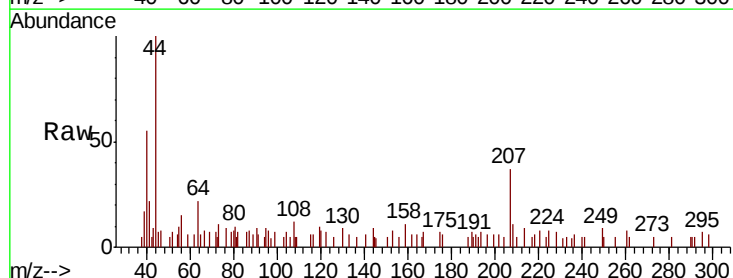
Tgt Ion: 63 Resp: 657

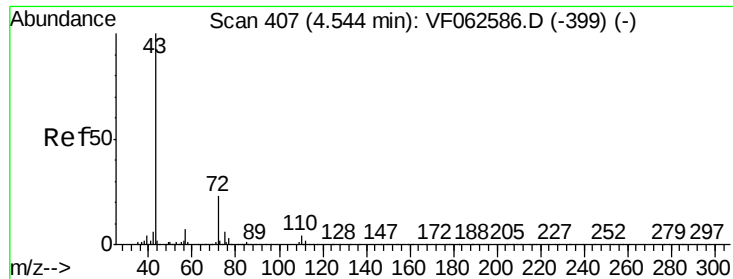
Ion Ratio Lower Upper

63 100

98 0.0 2.6 7.8#

100 0.0 1.7 5.1#





#25

2-Butanone

Concen: 236.087 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.02 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

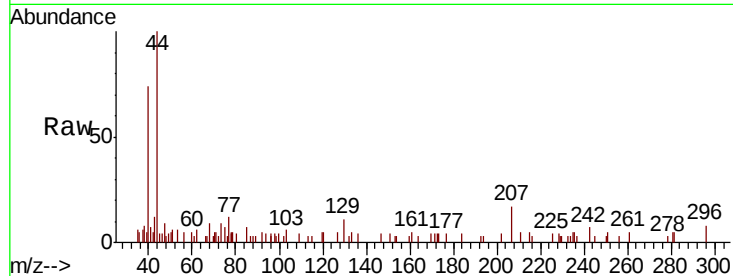
CULVER-CBTC-WC1-051019

Tot Ion: 43 Resp: 864

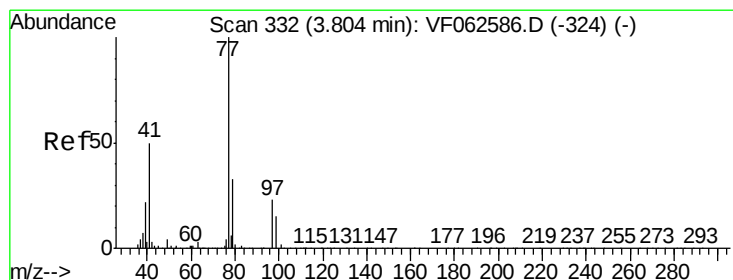
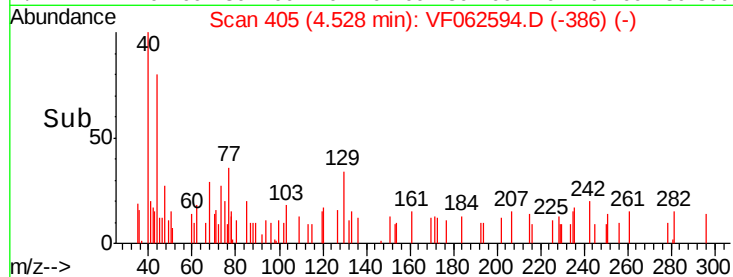
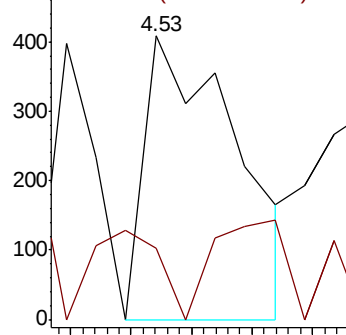
Ion Ratio Lower Upper

43 100

72 25.0 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VF0



#26

2,2-Dichloropropane

Concen: 147.452 ug/l

RT: 3.79 min Scan# 330

Delta R.T. -0.02 min

Lab File: VF062594.D

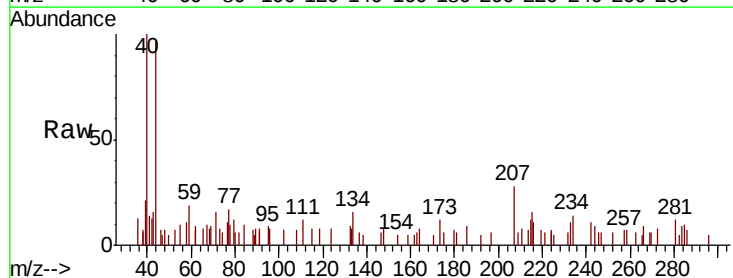
Acq: 14 May 2019 22:05

Tgt Ion: 77 Resp: 1383

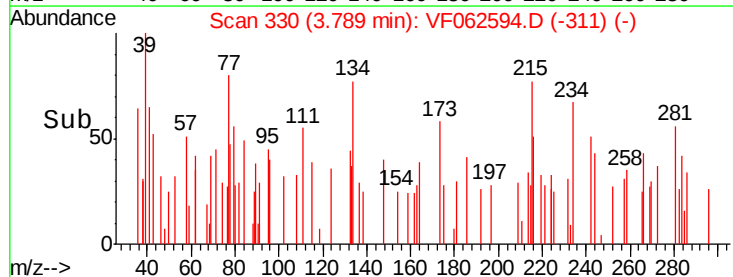
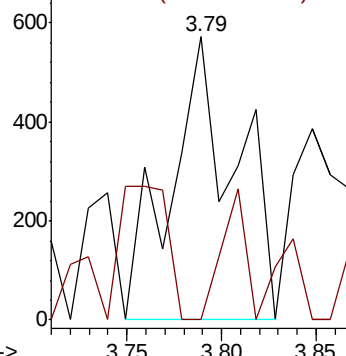
Ion Ratio Lower Upper

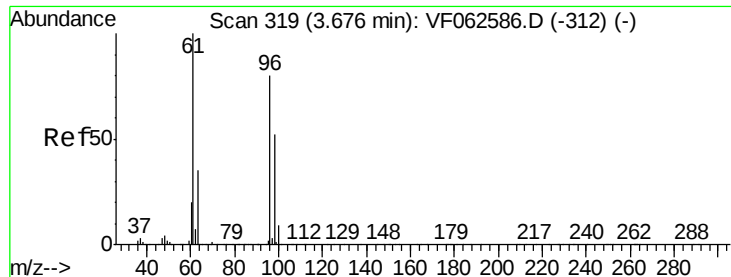
77 100

97 0.0 12.0 36.0#



Abundance Ion 77.00 (76.70 to 77.70): VF0



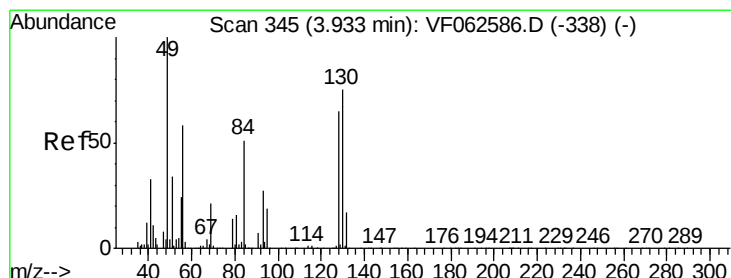
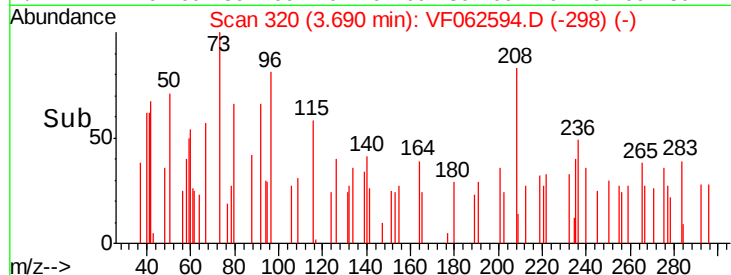
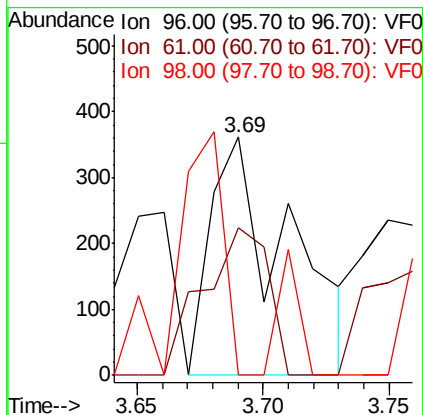
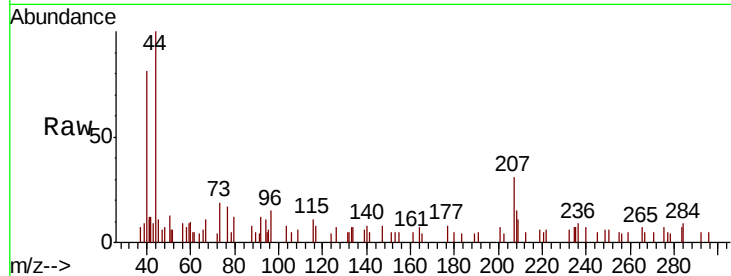


#27

cis-1,2-Dichloroethene  
 Concen: 56.503 ug/l  
 RT: 3.69 min Scan# 320  
 Delta R.T. 0.01 min  
 Lab File: VF062594.D  
 Acq: 14 May 2019 22:05

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 CULVER-CBTC-WC1-051019

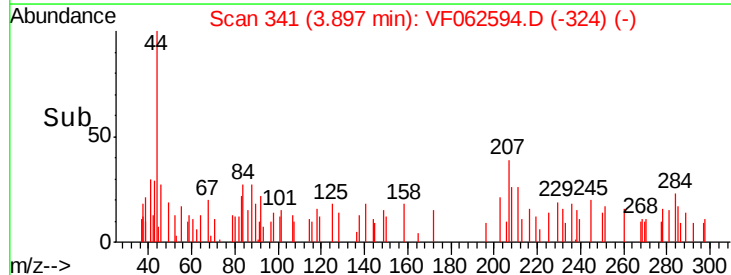
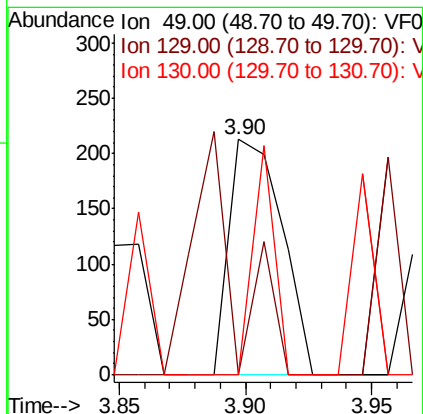
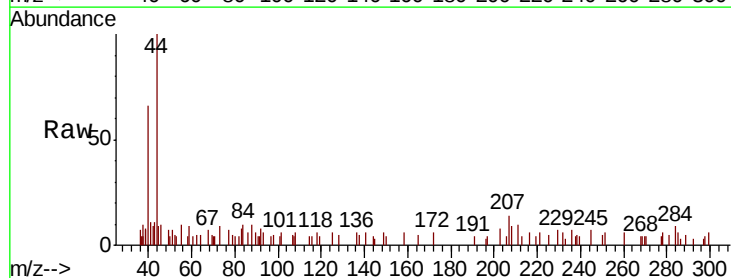
Tot Ion: 96 Resp: 772  
 Ion Ratio Lower Upper  
 96 100  
 61 62.0 0.0 251.4  
 98 0.0 0.0 129.8

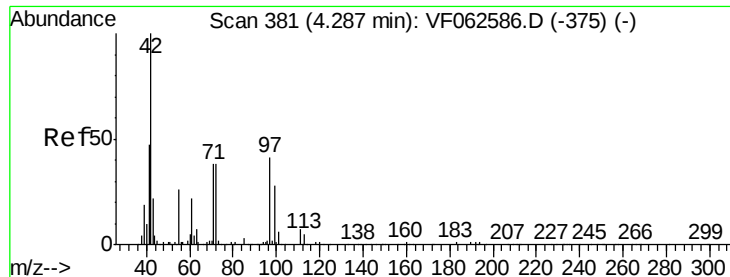


#28

Bromochloromethane  
 Concen: 31.733 ug/l  
 RT: 3.90 min Scan# 341  
 Delta R.T. -0.04 min  
 Lab File: VF062594.D  
 Acq: 14 May 2019 22:05

Tgt Ion: 49 Resp: 310  
 Ion Ratio Lower Upper  
 49 100  
 129 0.0 0.0 4.0  
 130 0.0 59.7 89.5#





#29

Tetrahydrofuran

Concen: 318.338 ug/l

RT: 4.00 min Scan# 351

Delta R.T. -0.29 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

CULVER-CBTC-WC1-051019

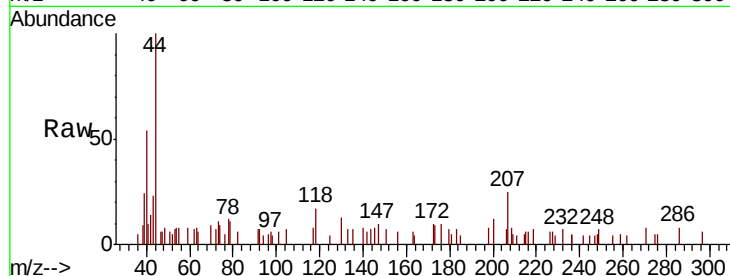
Tot Ion: 42 Resp: 493

Ion Ratio Lower Upper

42 100

72 48.3 34.0 51.0

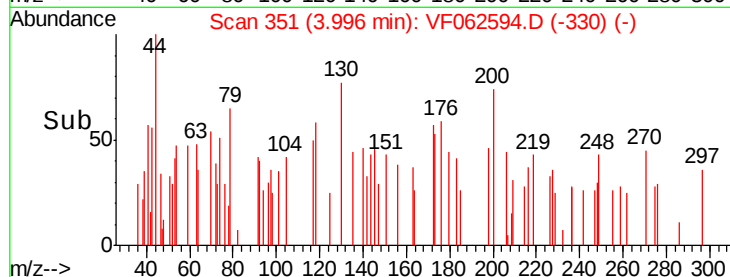
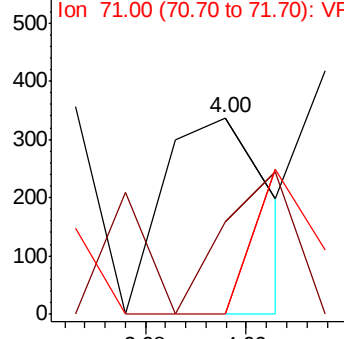
71 43.2 32.8 49.2



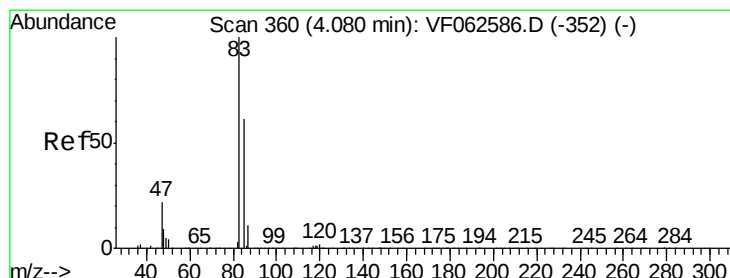
Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



Time-->



#30

Chloroform

Concen: 3.309 ug/l

RT: 4.08 min Scan# 360

Delta R.T. 0.00 min

Lab File: VF062594.D

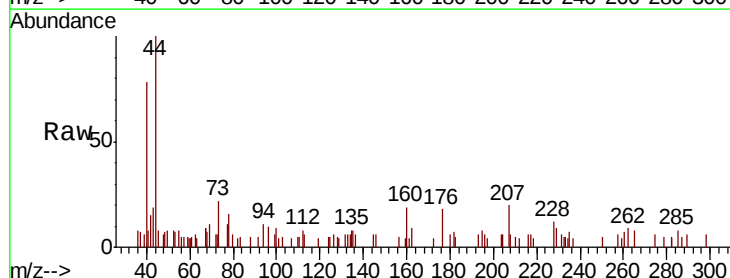
Acq: 14 May 2019 22:05

Tgt Ion: 83 Resp: 69

Ion Ratio Lower Upper

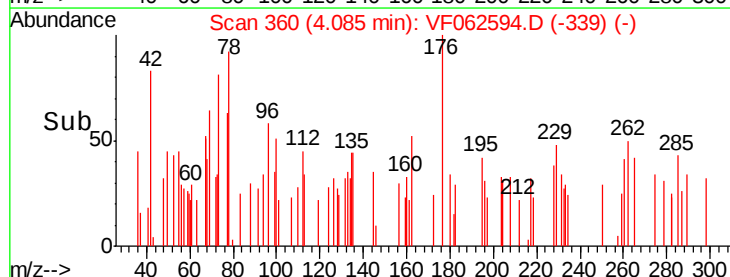
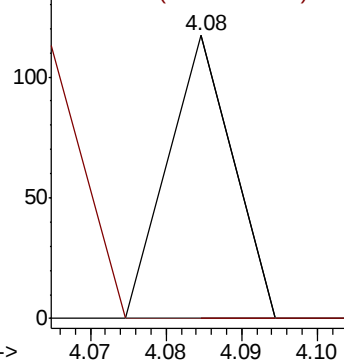
83 100

85 0.0 48.7 73.1#

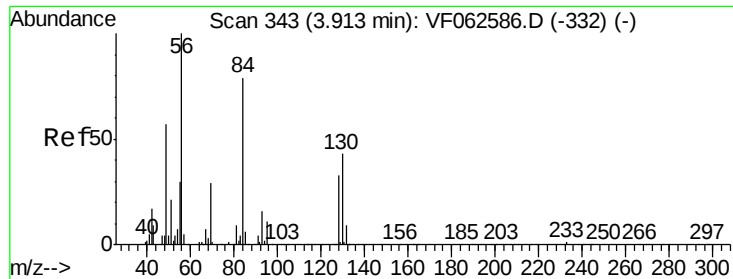


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



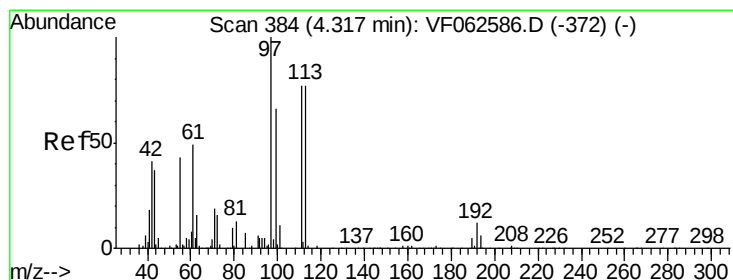
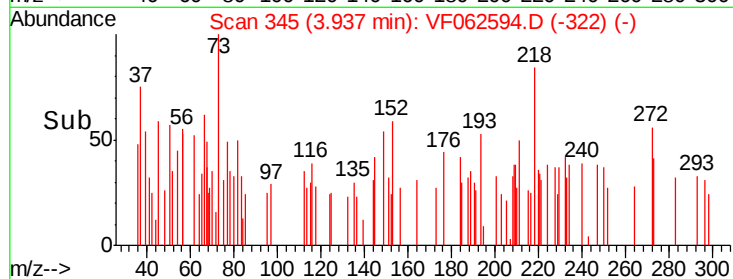
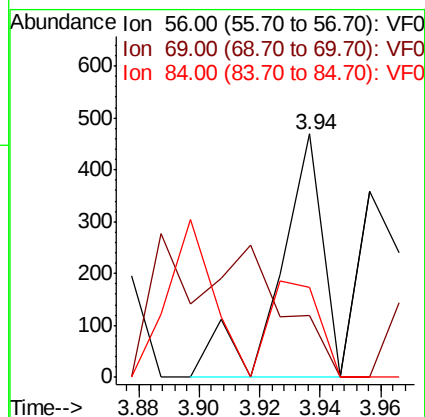
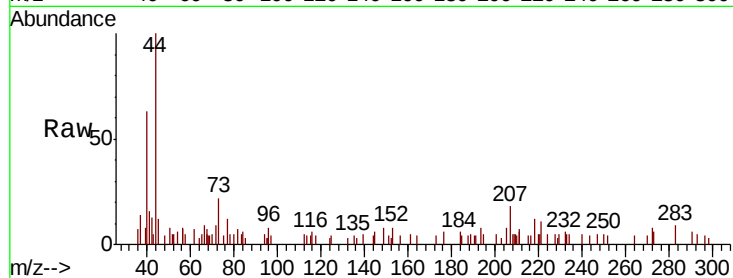
Time-->



#31  
Cvclohexane  
Concen: 25.396 ug/l  
RT: 3.94 min Scan# 345  
Delta R.T. 0.02 min  
Lab File: VF062594.D  
Acq: 14 May 2019 22:05

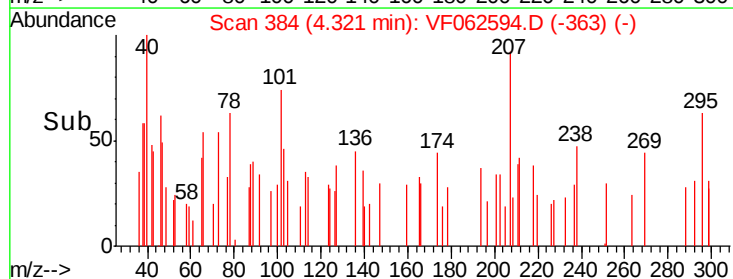
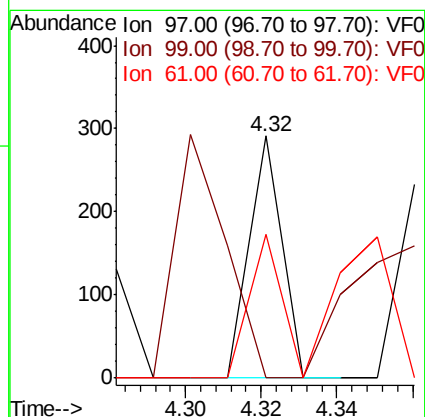
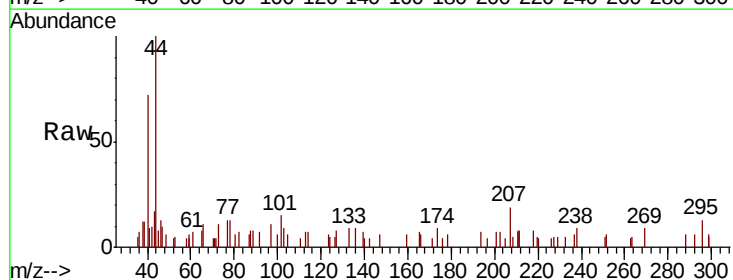
Instrument :  
MSVOA\_F  
ClientSampleId :  
CULVER-CBTC-WC1-051019

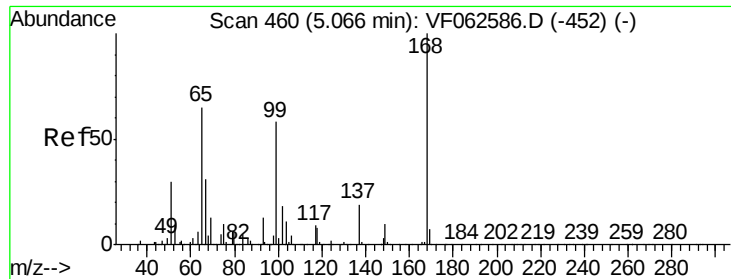
Tot Ion: 56 Resp: 460  
Ion Ratio Lower Upper  
56 100  
69 25.4 22.9 34.3  
84 37.1 63.4 95.2#



#32  
1,1,1-Trichloroethane  
Concen: 12.236 ug/l  
RT: 4.32 min Scan# 384  
Delta R.T. 0.00 min  
Lab File: VF062594.D  
Acq: 14 May 2019 22:05

Tgt Ion: 97 Resp: 172  
Ion Ratio Lower Upper  
97 100  
99 0.0 53.4 80.0#  
61 59.5 38.9 58.3#





#33

1,2-Dichloroethane-d4

Concen: 24.444 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

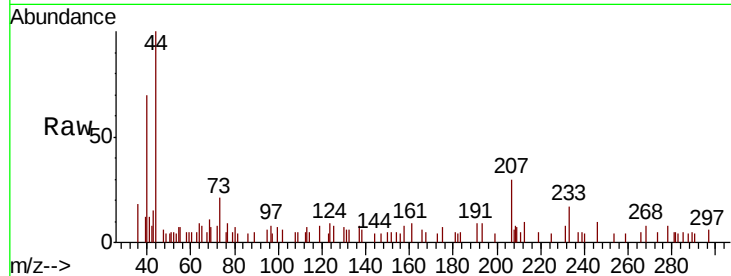
CULVER-CBTC-WC1-051019

Tot Ion: 65 Resp: 195

Ion Ratio Lower Upper

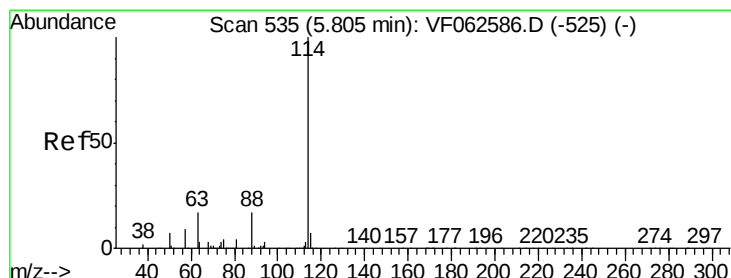
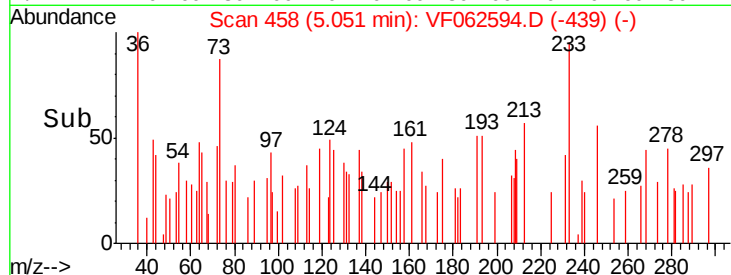
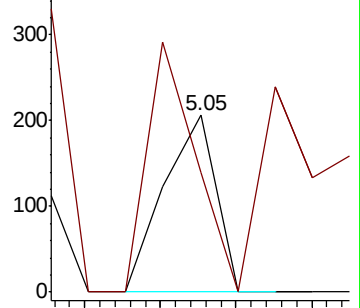
65 100

67 67.5 0.0 116.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 541

Delta R.T. 0.06 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

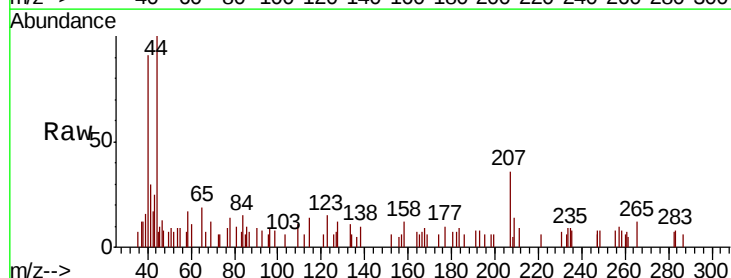
Tgt Ion: 114 Resp: 397

Ion Ratio Lower Upper

114 100

63 0.0 0.0 34.6

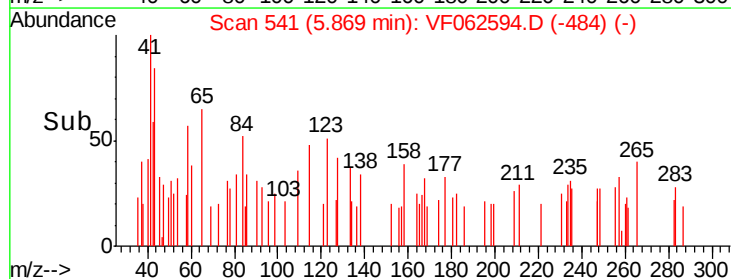
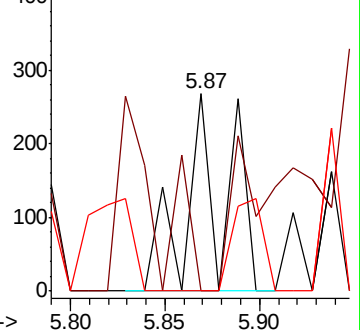
88 0.0 0.0 33.6

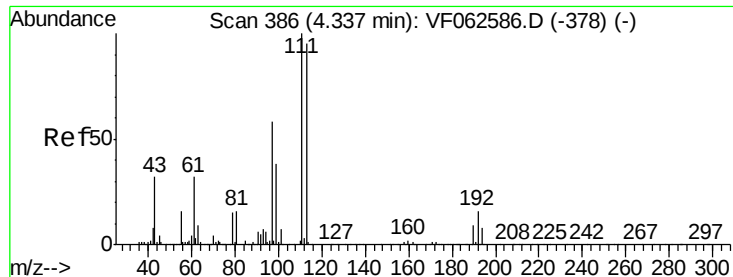


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

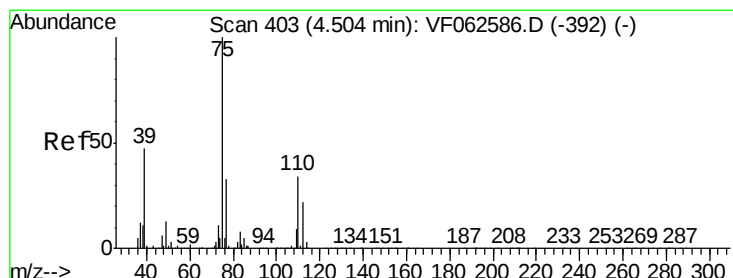
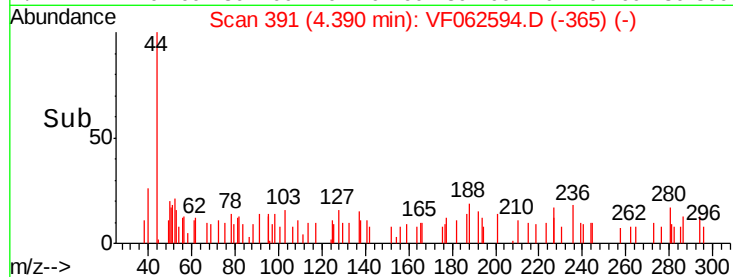
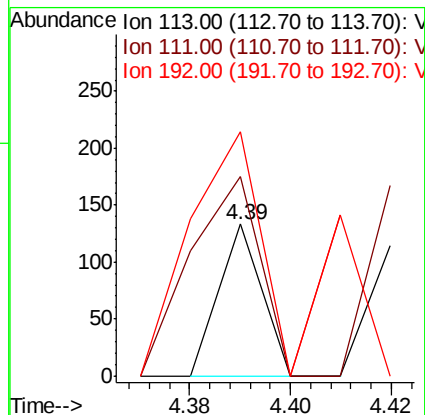
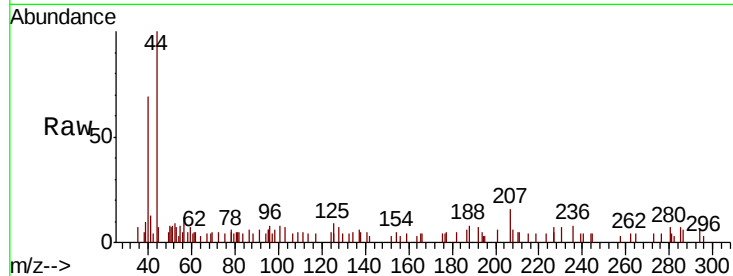




#35  
 Dibromofluoromethane  
 Concen: 26.736 ug/l  
 RT: 4.39 min Scan# 391  
 Delta R.T. 0.05 min  
 Lab File: VF062594.D  
 Acq: 14 May 2019 22:05

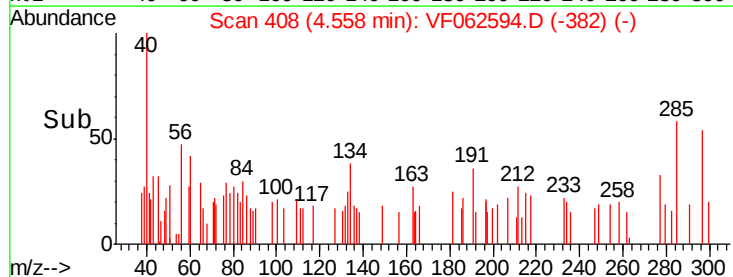
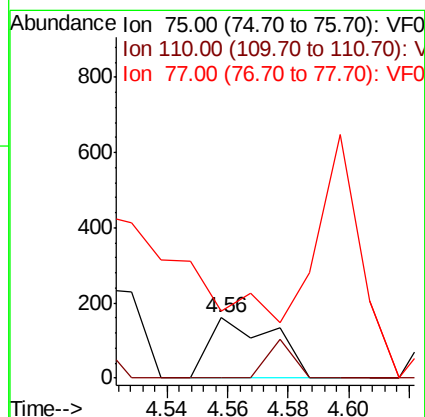
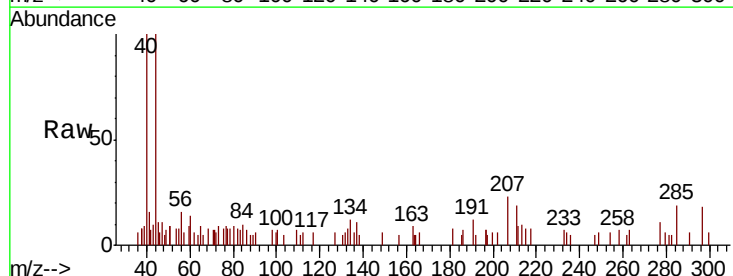
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 CULVER-CBTC-WC1-051019

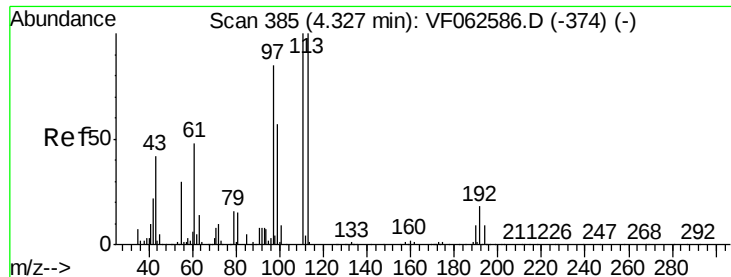
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 113     | 100   |       |        |
| 111     | 131.6 | 83.9  | 125.9# |
| 192     | 160.9 | 13.7  | 20.5#  |



#36  
 1,1-Dichloropropene  
 Concen: 69.282 ug/l  
 RT: 4.56 min Scan# 408  
 Delta R.T. 0.05 min  
 Lab File: VF062594.D  
 Acq: 14 May 2019 22:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 0.0   | 17.3  | 51.7# |
| 77      | 110.6 | 26.4  | 39.6# |

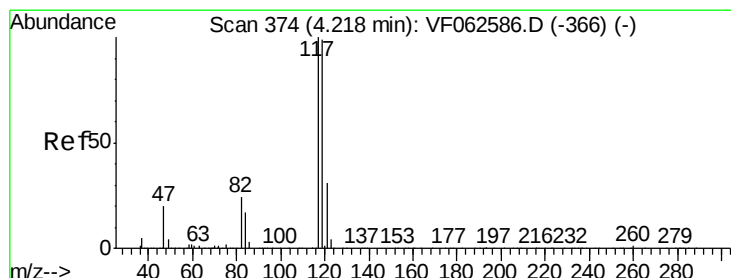
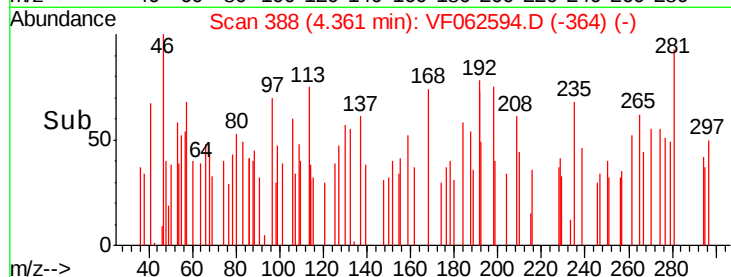
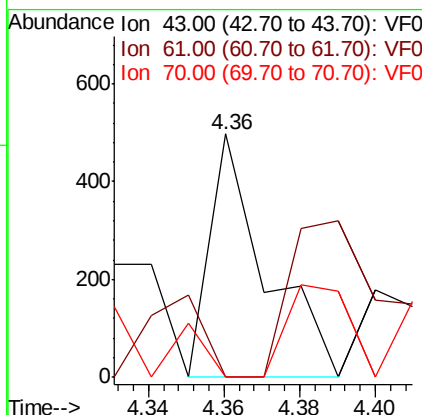
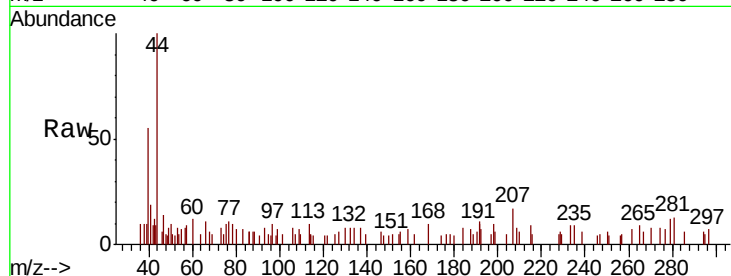




#37  
Ethyl Acetate  
Concen: 359.858 ug/l  
RT: 4.36 min Scan# 388  
Delta R.T. 0.03 min  
Lab File: VF062594.D  
Acq: 14 May 2019 22:05

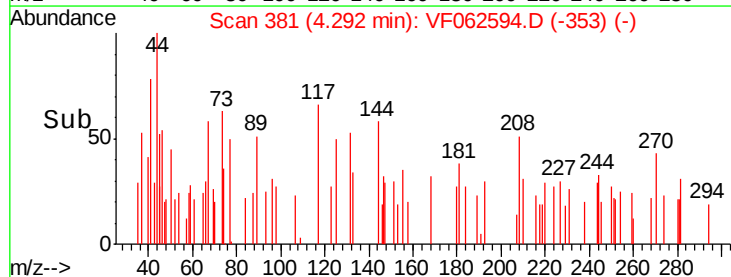
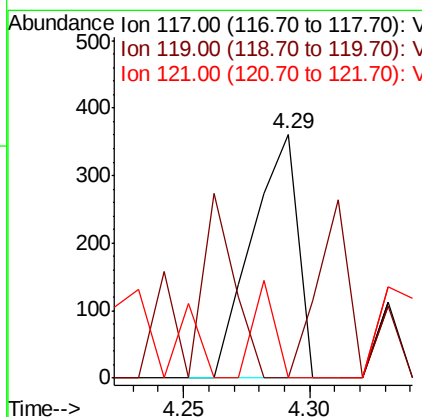
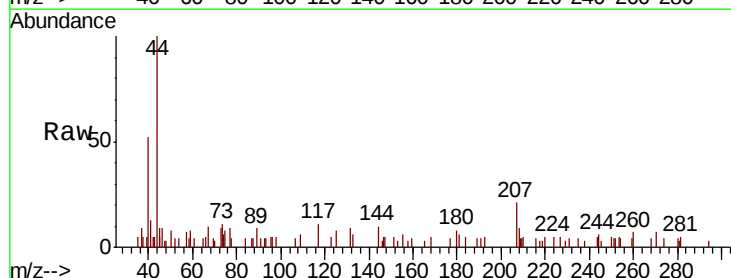
Instrument :  
MSVOA\_F  
ClientSampleId :  
CULVER-CBTC-WC1-051019

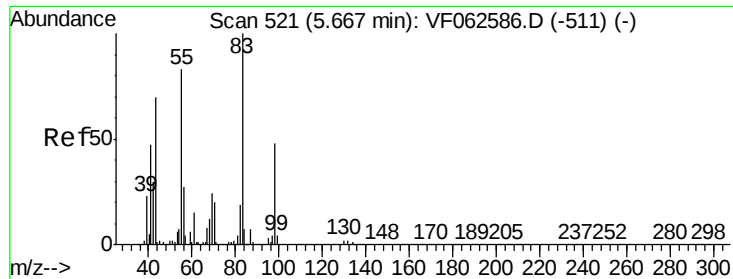
Tot Ion: 43 Resp: 508  
Ion Ratio Lower Upper  
43 100  
61 0.0 88.6 132.8#  
70 0.0 8.3 12.5#



#38  
Carbon Tetrachloride  
Concen: 162.170 ug/l  
RT: 4.29 min Scan# 381  
Delta R.T. 0.07 min  
Lab File: VF062594.D  
Acq: 14 May 2019 22:05

Tgt Ion: 117 Resp: 457  
Ion Ratio Lower Upper  
117 100  
119 0.0 79.0 118.6#  
121 0.0 25.0 37.6#

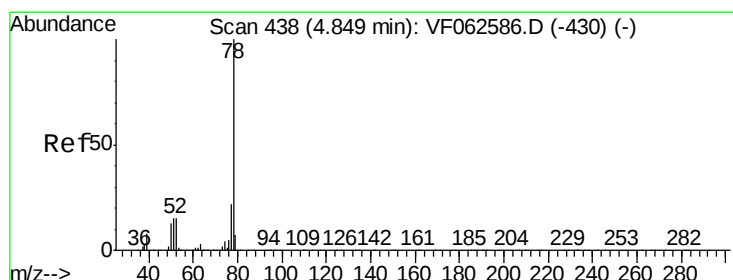
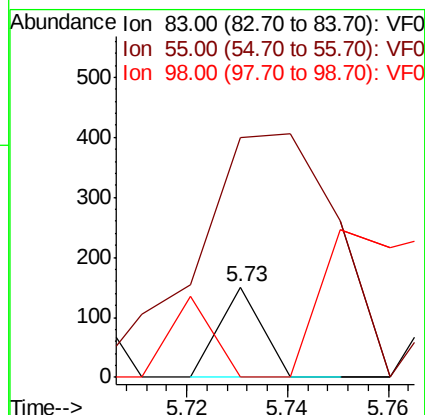
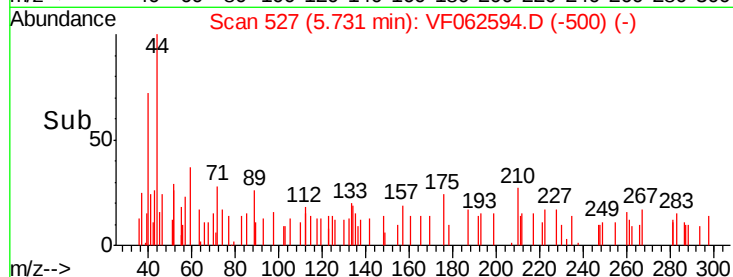
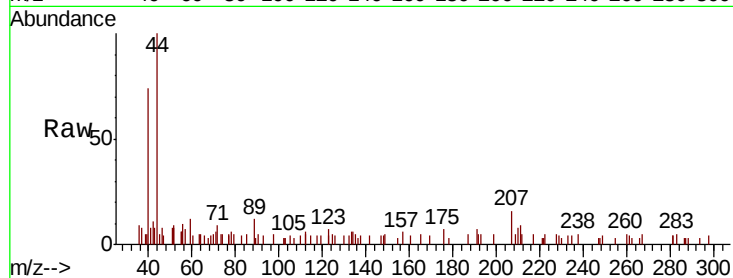




#39  
Methylcyclohexane  
Concen: 22.128 ug/l  
RT: 5.73 min Scan# 527  
Delta R.T. 0.06 min  
Lab File: VF062594.D  
Acq: 14 May 2019 22:05

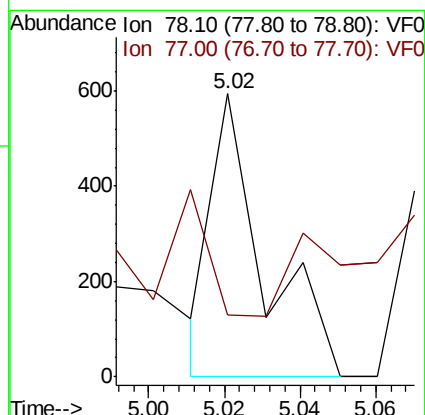
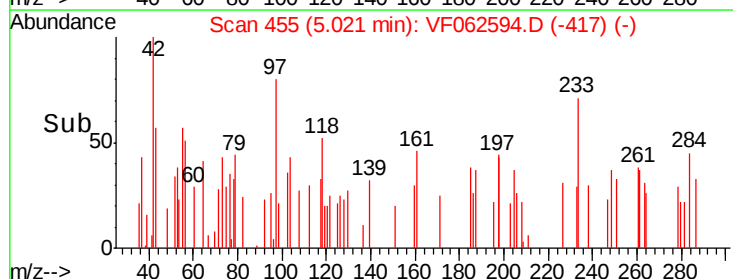
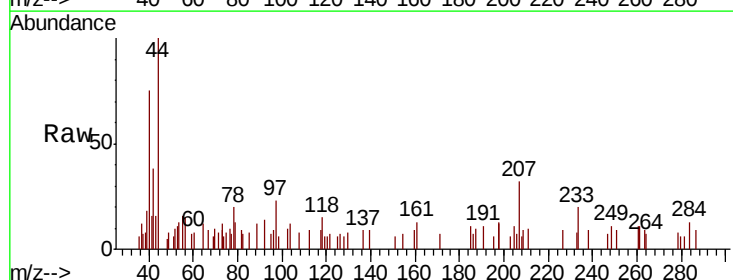
Instrument :  
MSVOA\_F  
ClientSampleId :  
CULVER-CBTC-WC1-051019

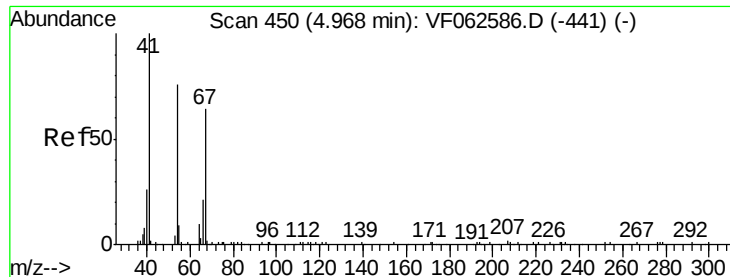
Tot Ion: 83 Resp: 89  
Ion Ratio Lower Upper  
83 100  
55 264.2 66.6 100.0#  
98 0.0 38.3 57.5#



#40  
Benzene  
Concen: 58.120 ug/l  
RT: 5.02 min Scan# 455  
Delta R.T. 0.17 min  
Lab File: VF062594.D  
Acq: 14 May 2019 22:05

Tgt Ion: 78 Resp: 568  
Ion Ratio Lower Upper  
78 100  
77 21.7 17.7 26.5





#41

Methacrylonitrile

Concen: 380.284 ug/l

RT: 5.00 min Scan# 453

Delta R.T. 0.03 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

CULVER-CBTC-WC1-051019

Tot Ion: 41 Resp: 304

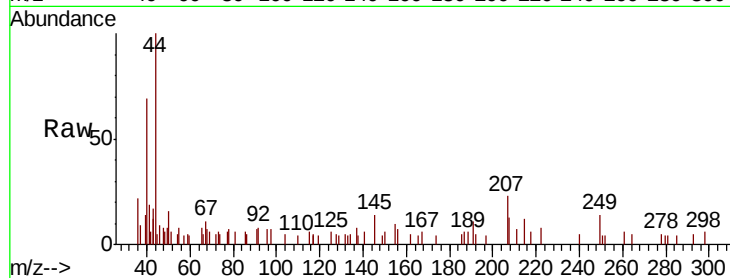
Ion Ratio Lower Upper

41 100

39 72.9 40.8 61.2#

67 58.8 50.2 75.2

52 0.0 36.8 55.2#

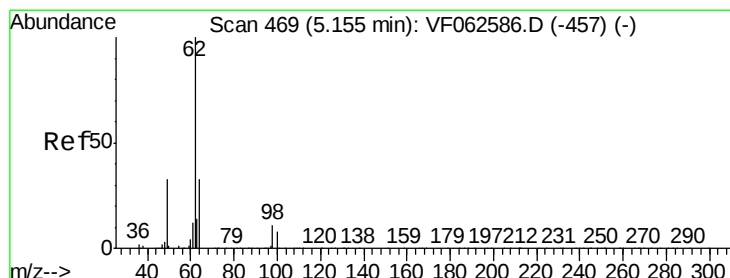
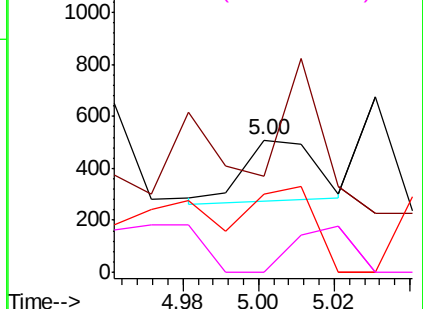
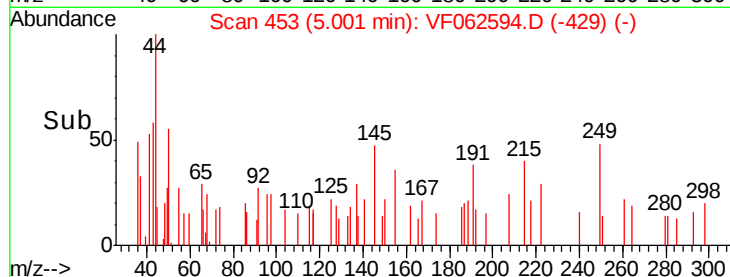


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 31.342 ug/l

RT: 5.19 min Scan# 472

Delta R.T. 0.03 min

Lab File: VF062594.D

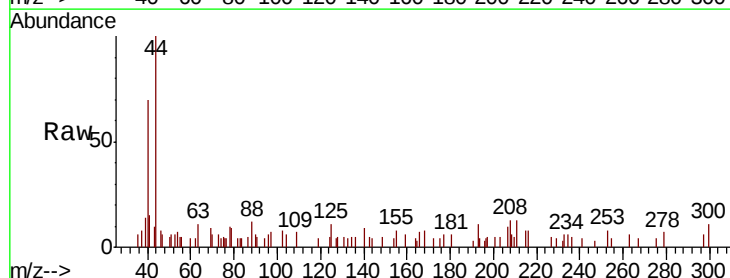
Acq: 14 May 2019 22:05

Tgt Ion: 62 Resp: 65

Ion Ratio Lower Upper

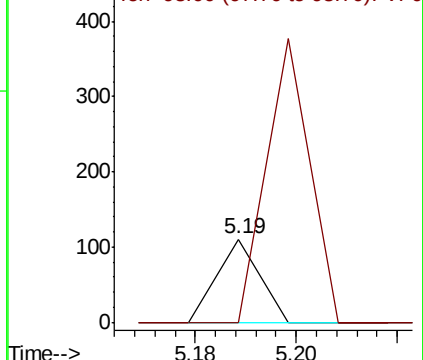
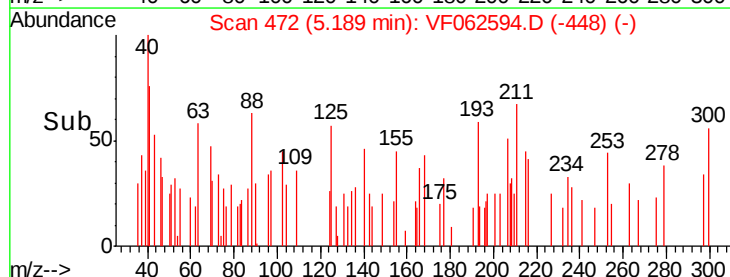
62 100

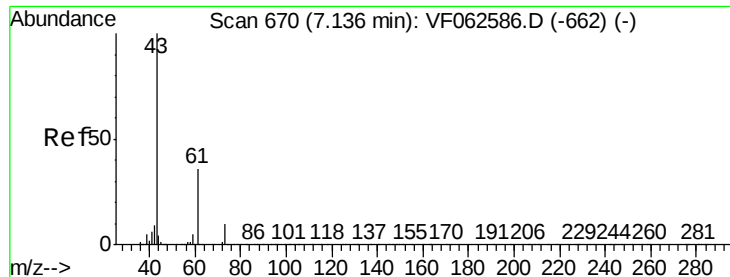
98 0.0 0.0 22.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 802.165 ug/l

RT: 7.23 min Scan# 679

Delta R.T. 0.09 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

CULVER-CBTC-WC1-051019

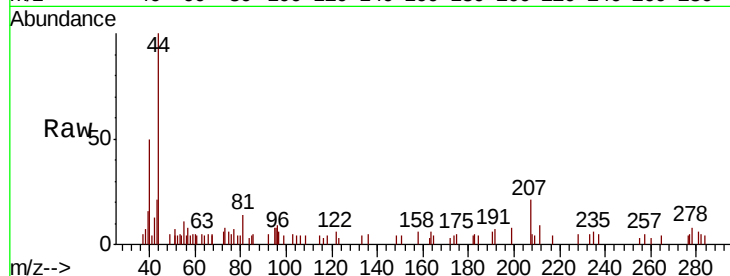
Tot Ion: 43 Resp: 1340

Ion Ratio Lower Upper

43 100

61 20.5 28.5 42.7#

87 0.0 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

7.23

800

600

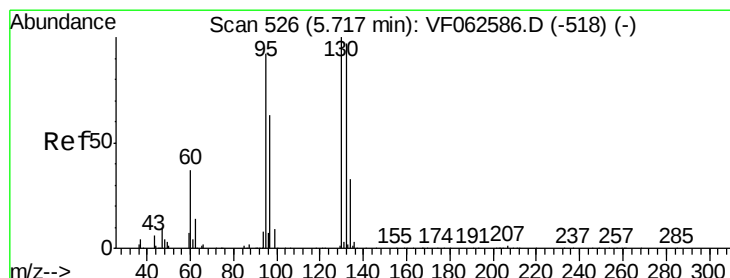
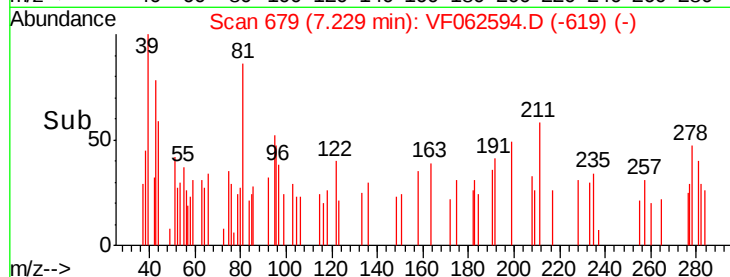
400

200

0

7.15 7.20 7.25

Time-->



#44

Trichloroethene

Concen: 63.654 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.08 min

Lab File: VF062594.D

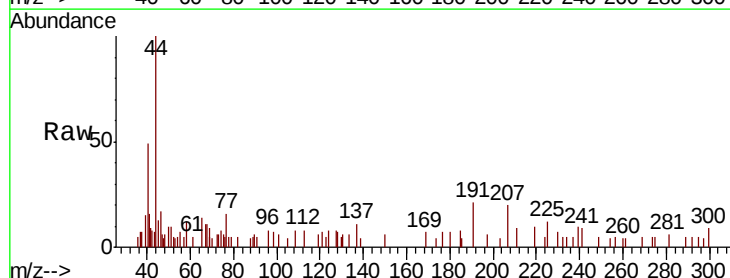
Acq: 14 May 2019 22:05

Tgt Ion: 130 Resp: 168

Ion Ratio Lower Upper

130 100

95 0.0 0.0 185.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

5.80

300

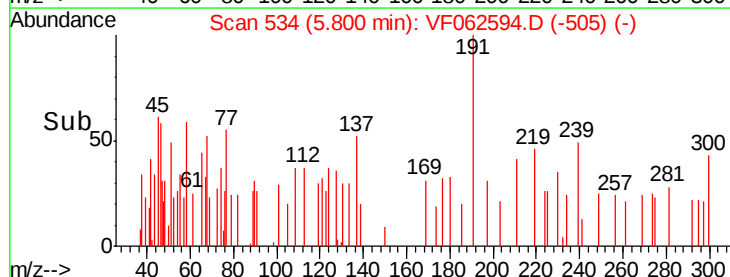
200

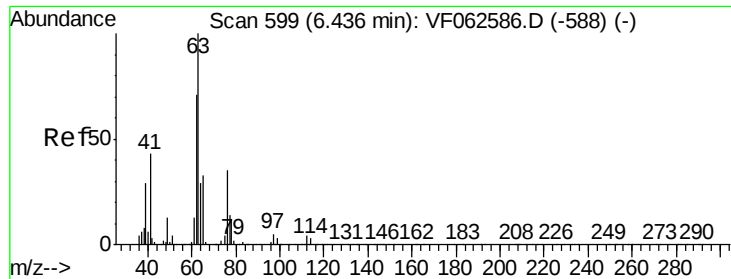
100

0

5.78 5.80 5.82

Time-->





#45

1,2-Dichloropropane

Concen: 159.353 ug/l

RT: 6.46 min Scan# 601

Delta R.T. 0.02 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

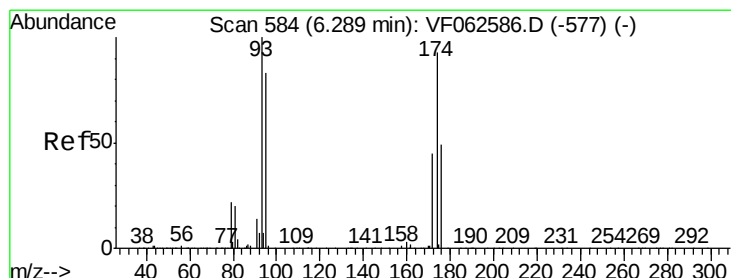
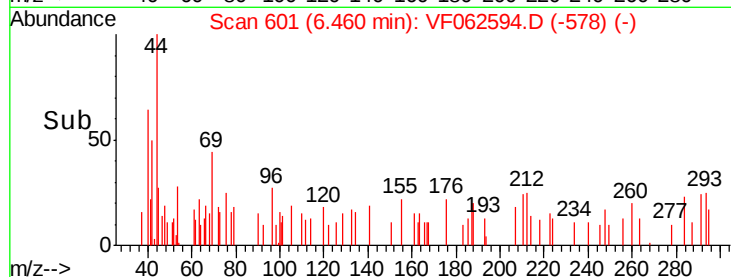
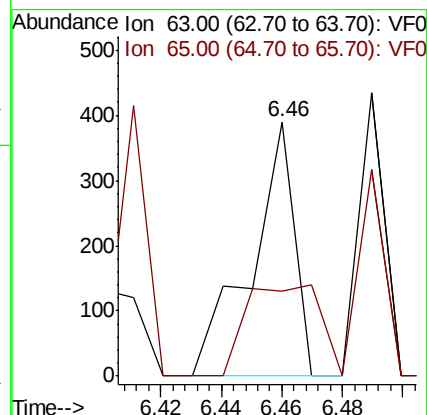
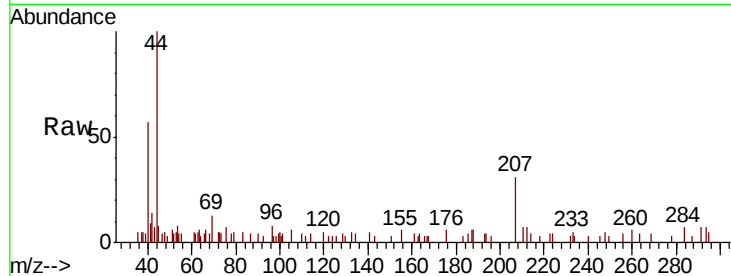
CULVER-CBTC-WC1-051019

Tot Ion: 63 Resp: 392

Ion Ratio Lower Upper

63 100

65 33.3 26.2 39.4



#46

Dibromomethane

Concen: 200.680 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.11 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

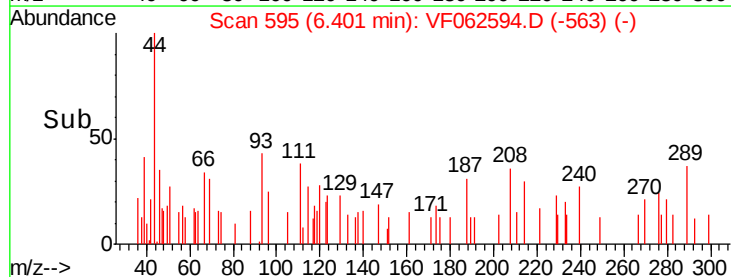
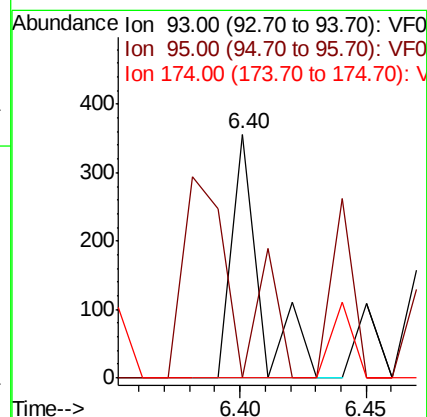
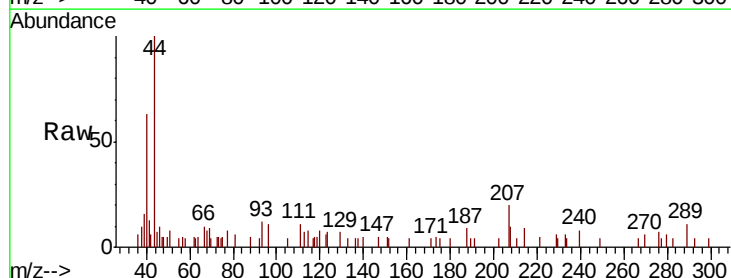
Tgt Ion: 93 Resp: 276

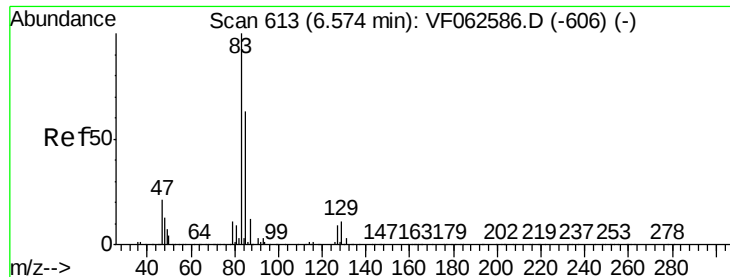
Ion Ratio Lower Upper

93 100

95 0.0 66.9 100.3#

174 0.0 74.6 112.0#





#47

Bromodichloromethane

Concen: 67.646 ug/l

RT: 6.69 min Scan# 624

Delta R.T. 0.11 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

CULVER-CBTC-WC1-051019

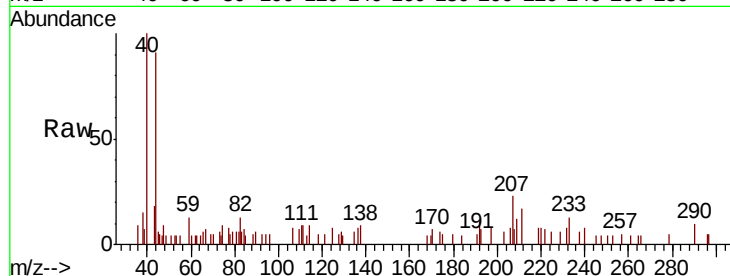
Tot Ion: 83 Resp: 200

Ion Ratio Lower Upper

83 100

85 57.6 50.3 75.5

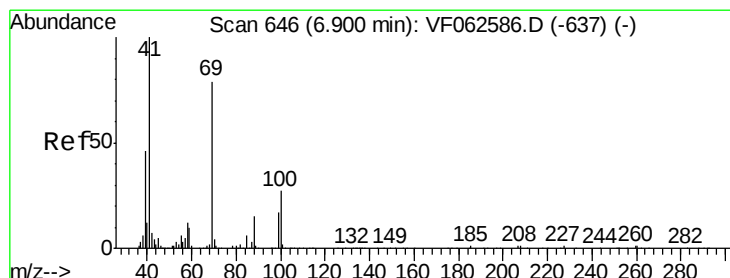
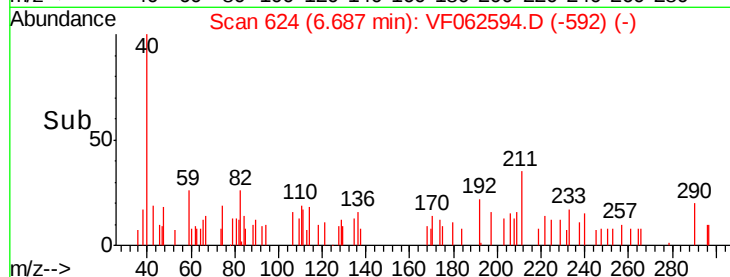
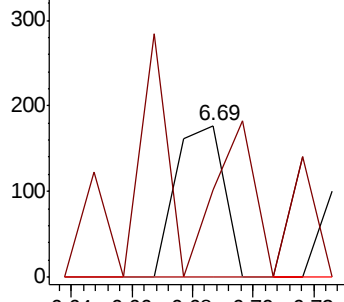
127 0.0 7.2 10.8#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 924.133 ug/l

RT: 6.99 min Scan# 655

Delta R.T. 0.09 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

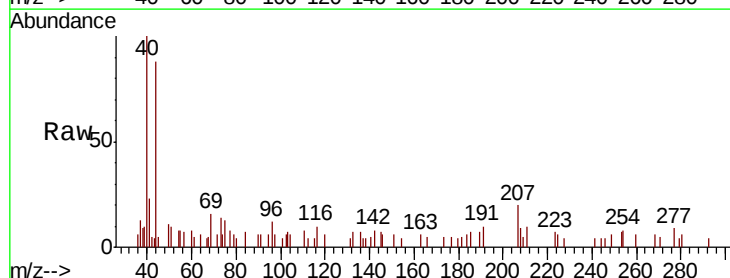
Tgt Ion: 41 Resp: 845

Ion Ratio Lower Upper

41 100

69 68.4 63.0 94.6

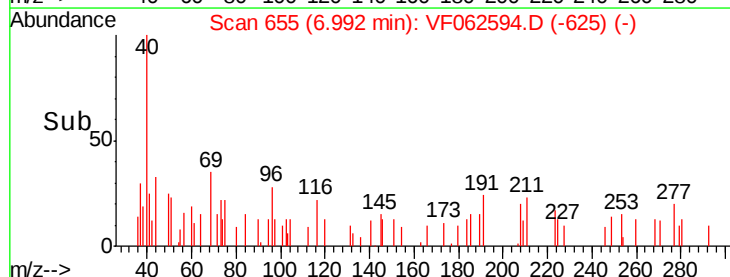
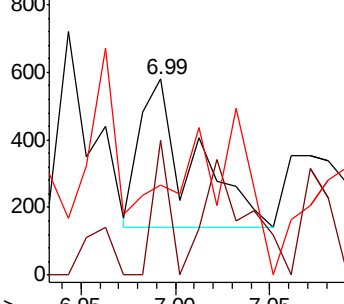
39 45.9 37.6 56.4

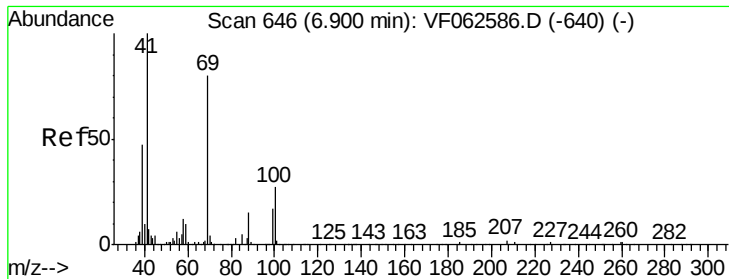


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 19088.215 ug/l

RT: 7.00 min Scan# 656

Delta R.T. 0.10 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

CULVER-CBTC-WC1-051019

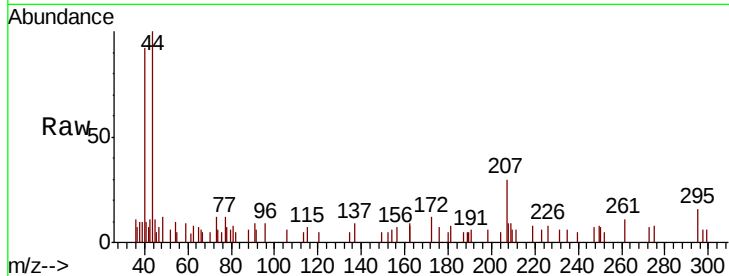
Tot Ion: 88 Resp: 230

Ion Ratio Lower Upper

88 100

43 0.0 28.8 43.2#

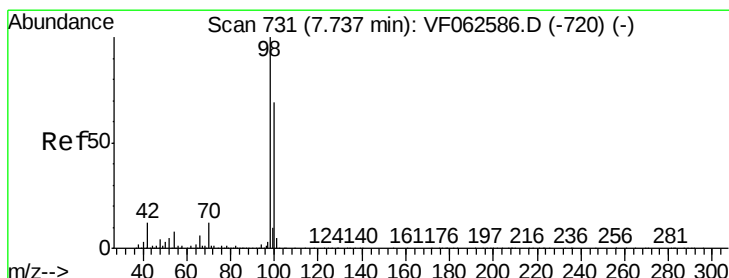
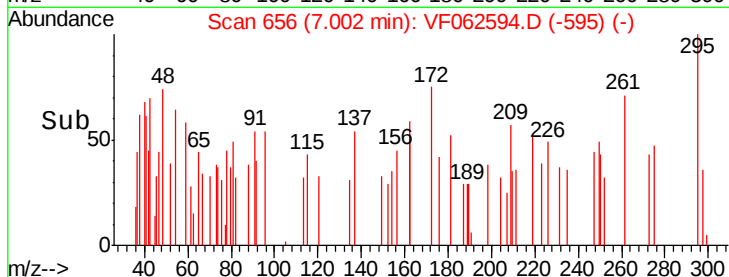
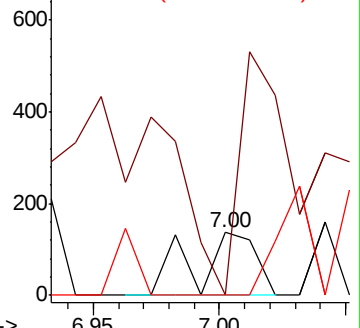
58 0.0 60.6 90.8#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 24.272 ug/l

RT: 7.91 min Scan# 748

Delta R.T. 0.17 min

Lab File: VF062594.D

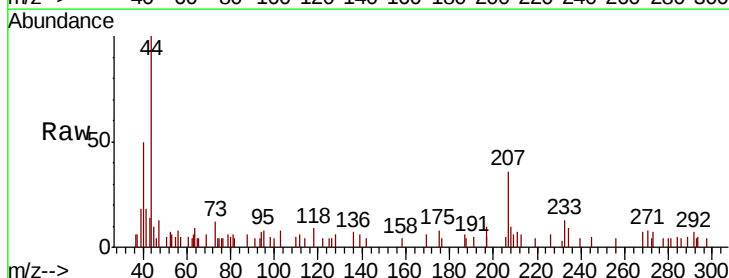
Acq: 14 May 2019 22:05

Tgt Ion: 98 Resp: 169

Ion Ratio Lower Upper

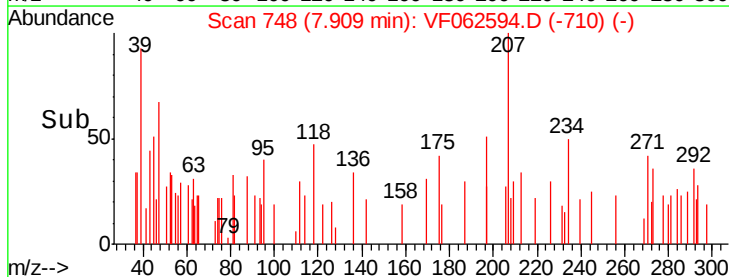
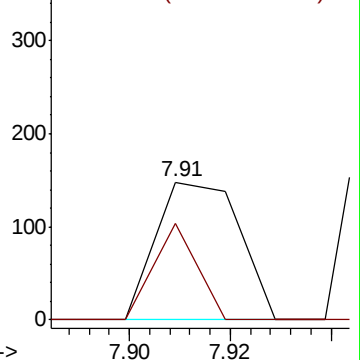
98 100

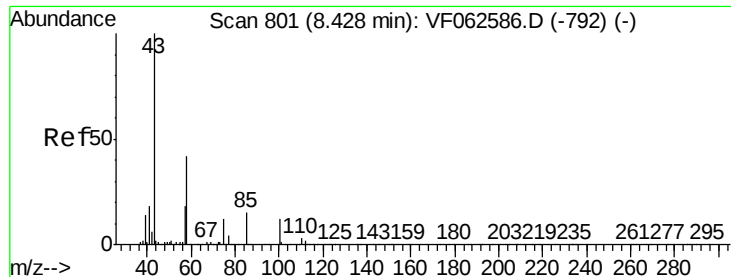
100 70.3 55.4 83.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 456.695 ug/l

RT: 8.54 min Scan# 812

Delta R.T. 0.11 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

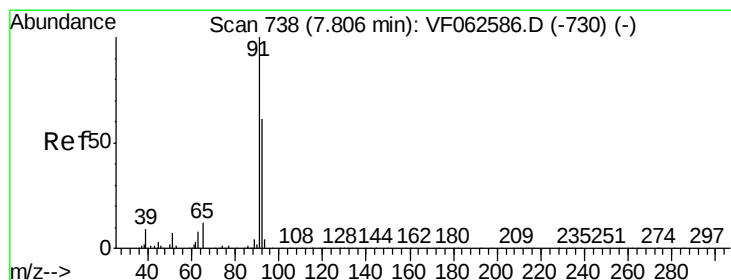
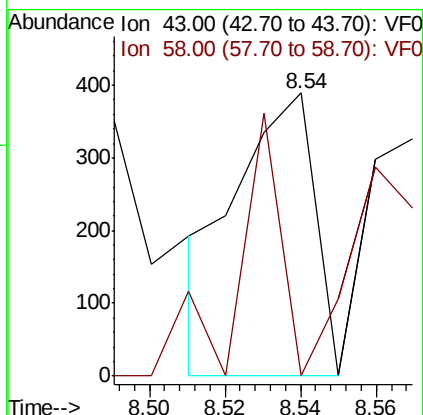
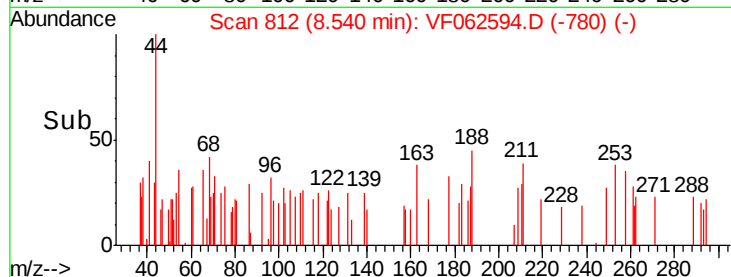
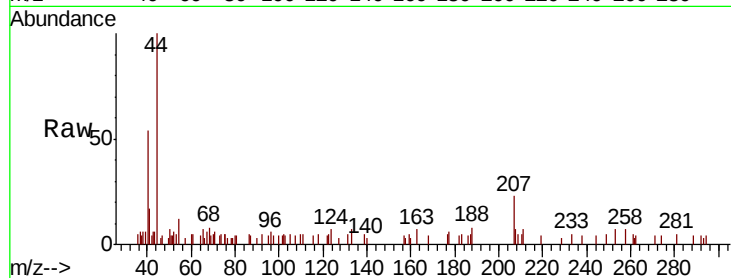
CULVER-CBTC-WC1-051019

Tot Ion: 43 Resp: 559

Ion Ratio Lower Upper

43 100

58 0.0 33.6 50.4#



#52

Toluene

Concen: 54.017 ug/l

RT: 7.86 min Scan# 743

Delta R.T. 0.05 min

Lab File: VF062594.D

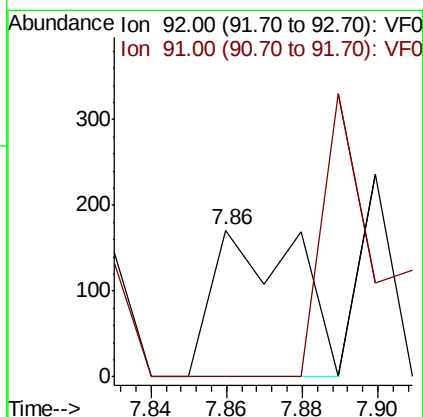
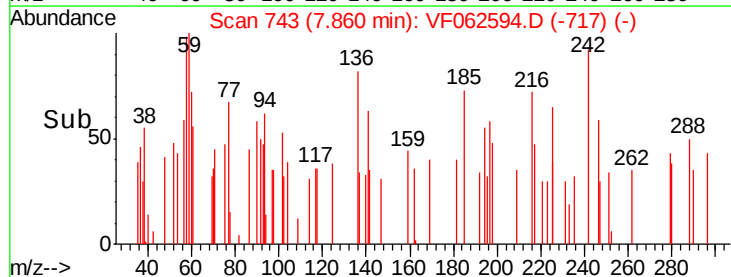
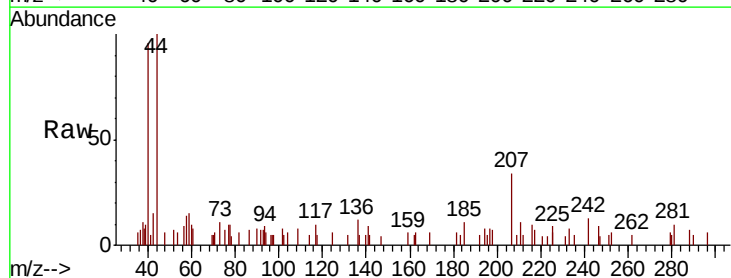
Acq: 14 May 2019 22:05

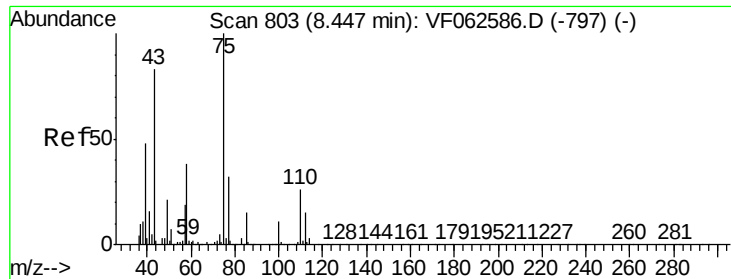
Tgt Ion: 92 Resp: 265

Ion Ratio Lower Upper

92 100

91 0.0 131.0 196.4#

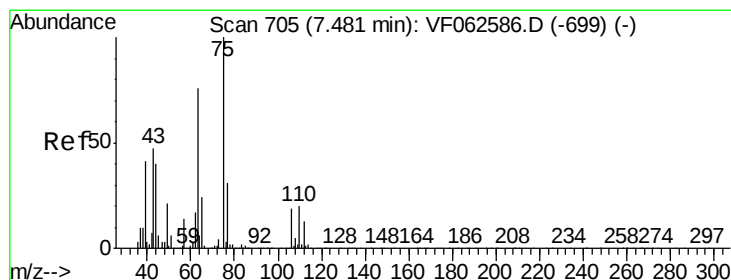
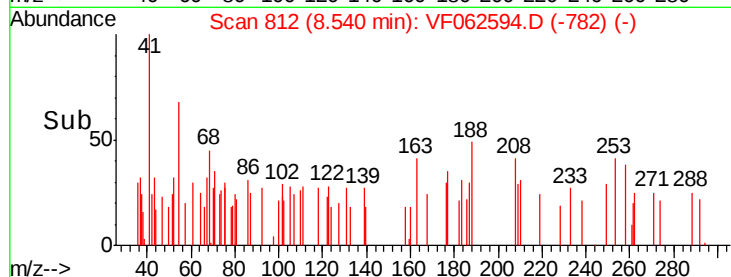
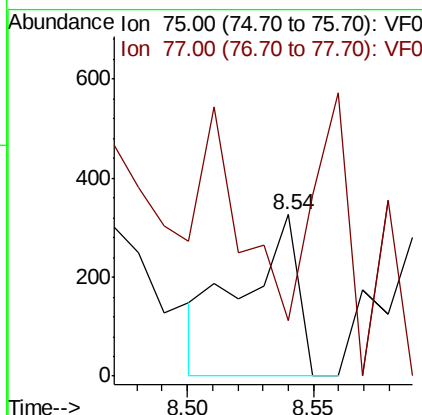
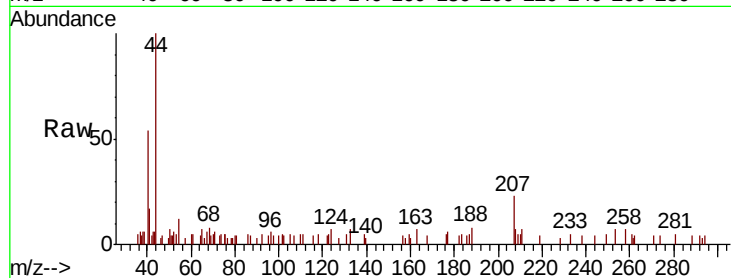




#53  
 t-1,3-Dichloropropene  
 Concen: 215.349 ug/l  
 RT: 8.54 min Scan# 812  
 Delta R.T. 0.09 min  
 Lab File: VF062594.D  
 Acq: 14 May 2019 22:05

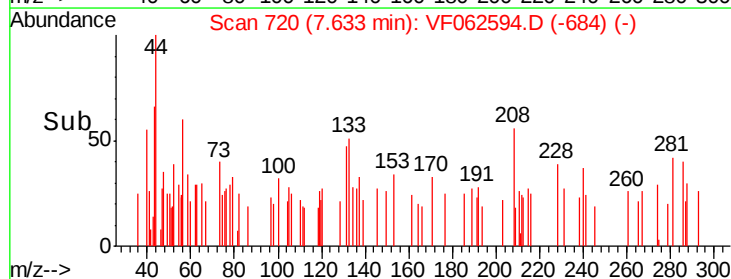
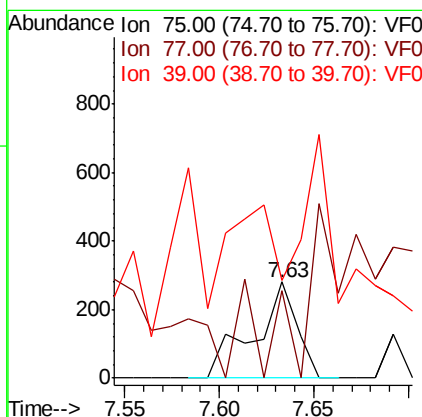
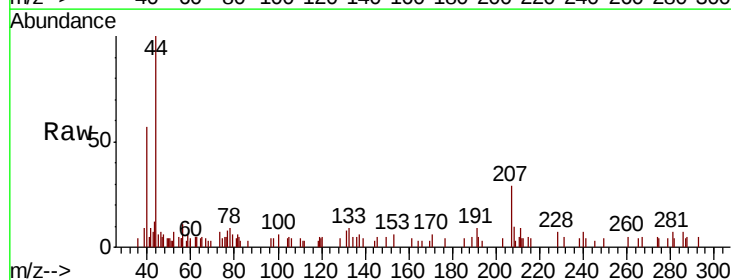
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 CULVER-CBTC-WC1-051019

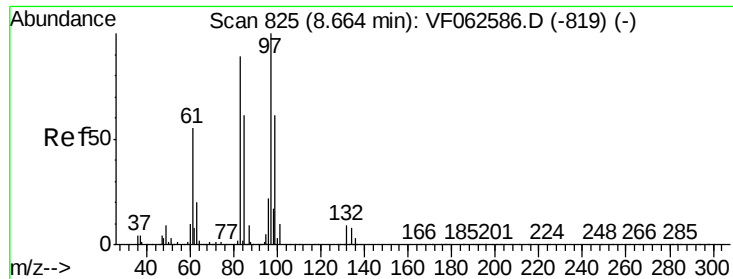
Tot Ion: 75 Resp: 503  
 Ion Ratio Lower Upper  
 75 100  
 77 34.4 25.7 38.5



#54  
 cis-1,3-Dichloropropene  
 Concen: 134.213 ug/l  
 RT: 7.63 min Scan# 720  
 Delta R.T. 0.15 min  
 Lab File: VF062594.D  
 Acq: 14 May 2019 22:05

Tgt Ion: 75 Resp: 443  
 Ion Ratio Lower Upper  
 75 100  
 77 90.7 25.0 37.6#  
 39 101.1 32.8 49.2#





#55

1,1,2-Trichloroethane

Concen: 138.201 ug/l

RT: 8.78 min Scan# 836

Delta R.T. 0.11 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

CULVER-CBTC-WC1-051019

Tot Ion: 97 Resp: 203

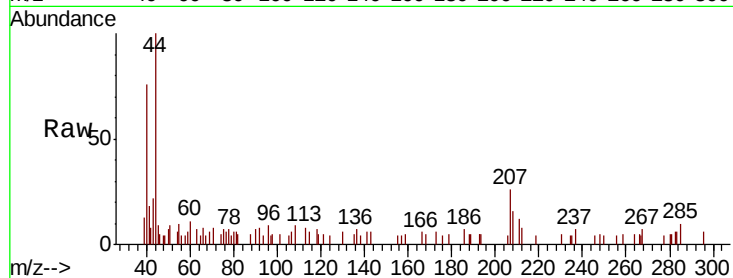
Ion Ratio Lower Upper

97 100

83 0.0 71.3 106.9#

85 0.0 48.9 73.3#

99 0.0 48.4 72.6#

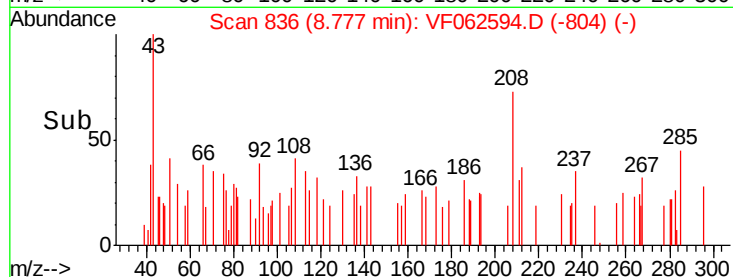
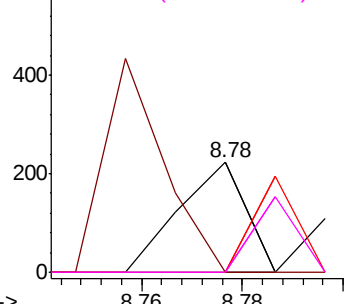


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 53.419 ug/l

RT: 8.91 min Scan# 850

Delta R.T. 0.13 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

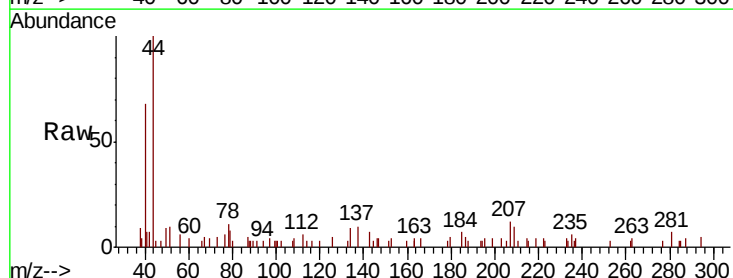
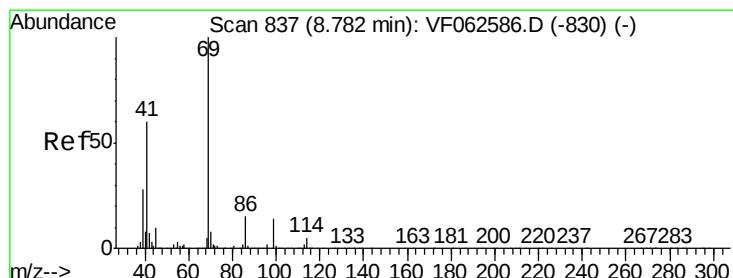
Tgt Ion: 69 Resp: 86

Ion Ratio Lower Upper

69 100

41 182.1 48.1 72.1#

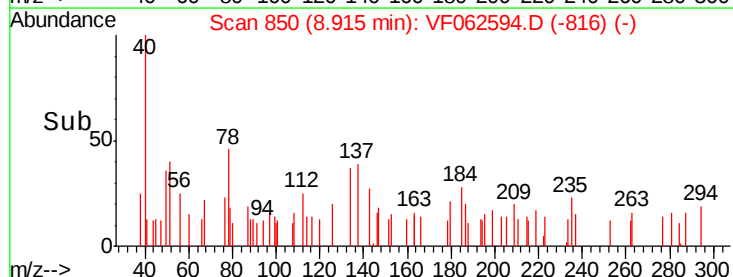
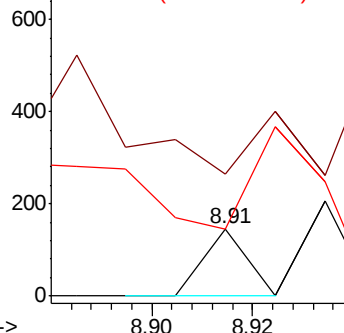
39 99.3 22.5 33.7#

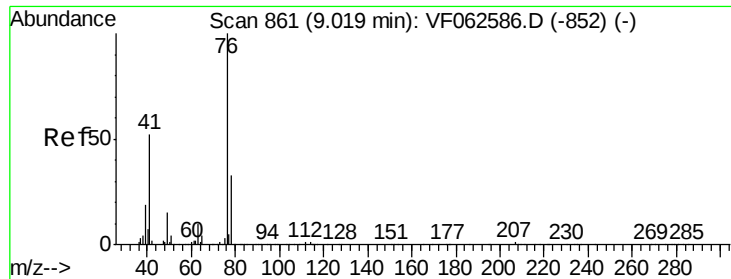


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

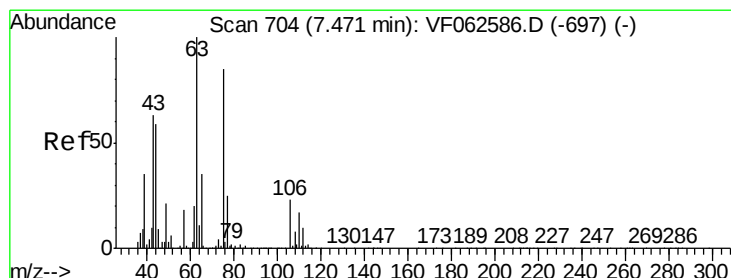
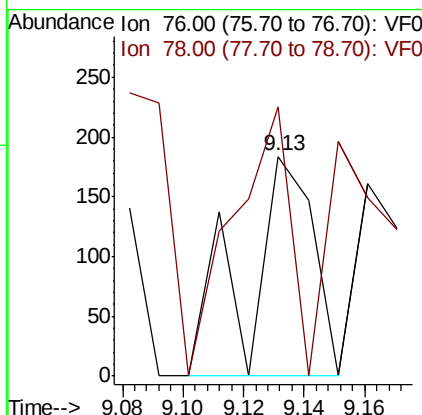
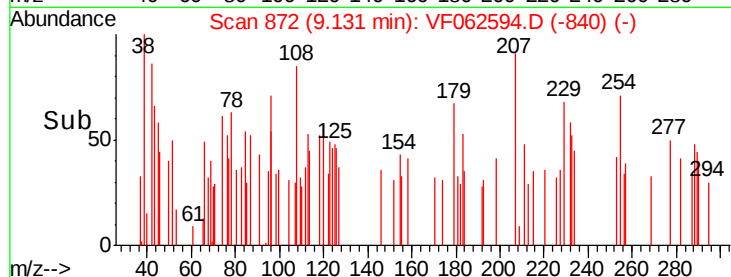
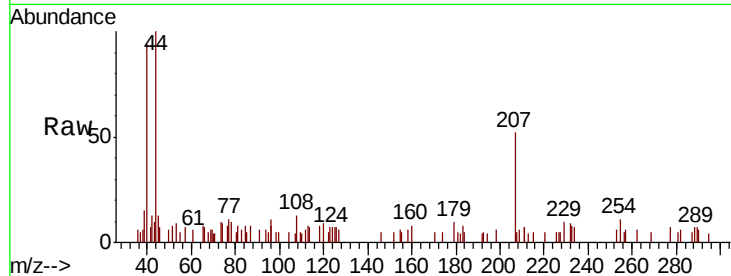




#57  
 1,3-Dichloropropane  
 Concen: 114.257 ug/l  
 RT: 9.13 min Scan# 872  
 Delta R.T. 0.11 min  
 Lab File: VF062594.D  
 Acq: 14 May 2019 22:05

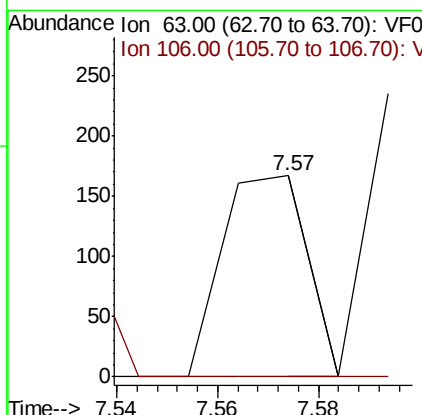
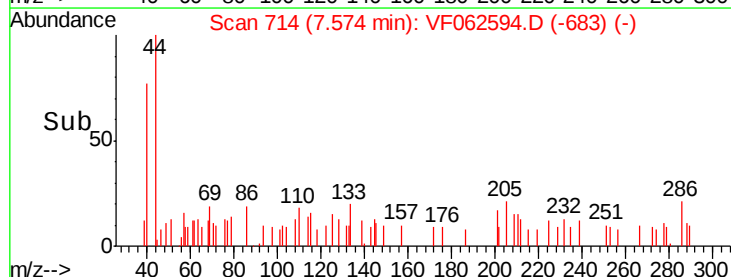
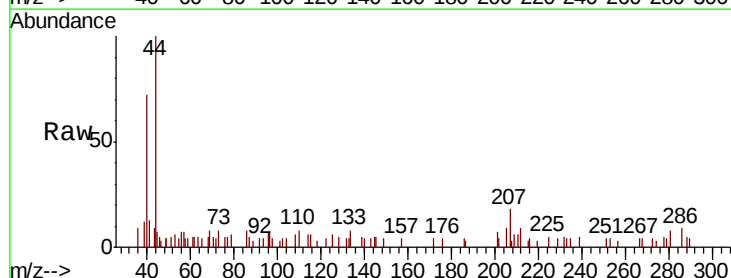
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 CULVER-CBTC-WC1-051019

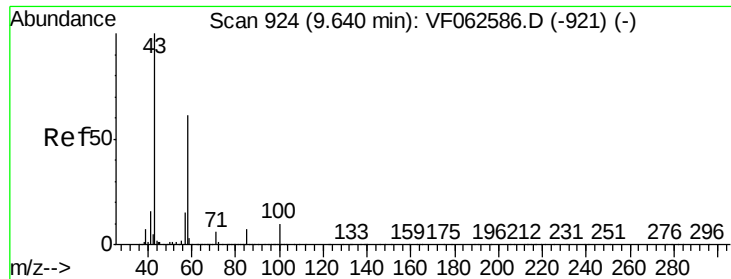
Tot Ion: 76 Resp: 277  
 Ion Ratio Lower Upper  
 76 100  
 78 122.3 26.4 39.6#



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 385.134 ug/l  
 RT: 7.57 min Scan# 714  
 Delta R.T. 0.10 min  
 Lab File: VF062594.D  
 Acq: 14 May 2019 22:05

Tgt Ion: 63 Resp: 194  
 Ion Ratio Lower Upper  
 63 100  
 106 0.0 18.0 27.0#

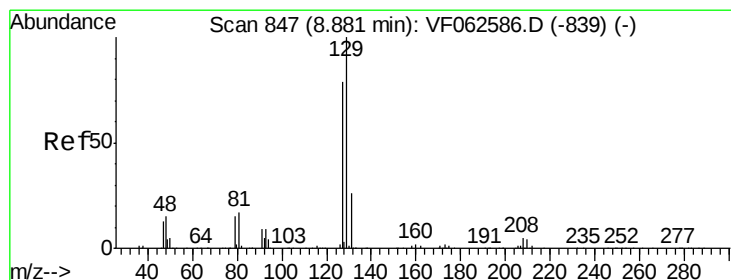
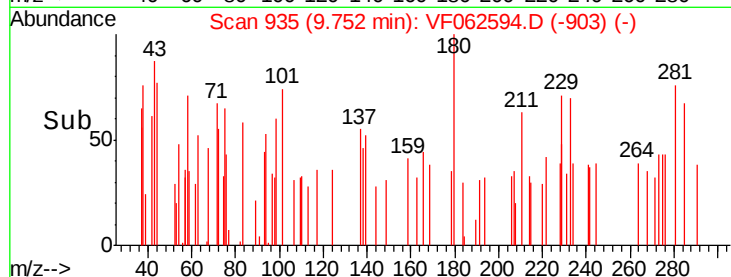
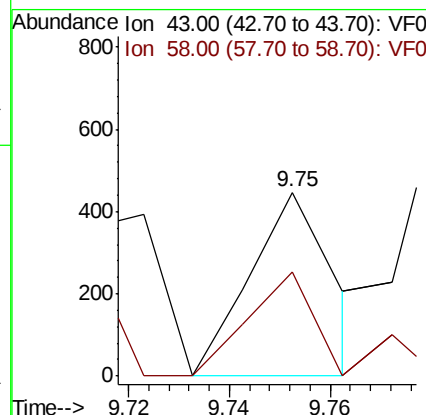
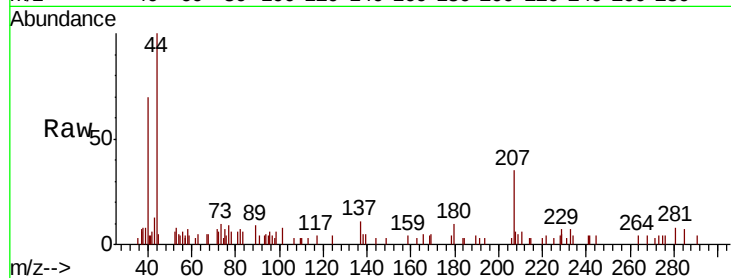




#59  
2-Hexanone  
Concen: 630.882 ug/l  
RT: 9.75 min Scan# 935  
Delta R.T. 0.11 min  
Lab File: VF062594.D  
Acq: 14 May 2019 22:05

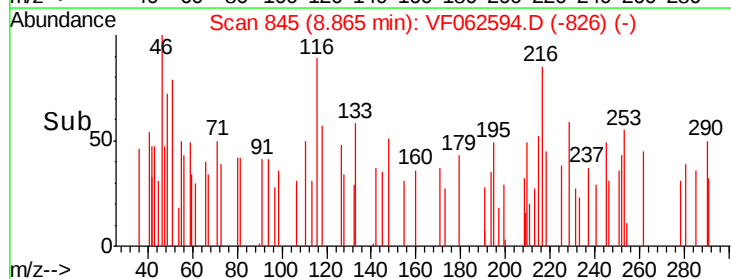
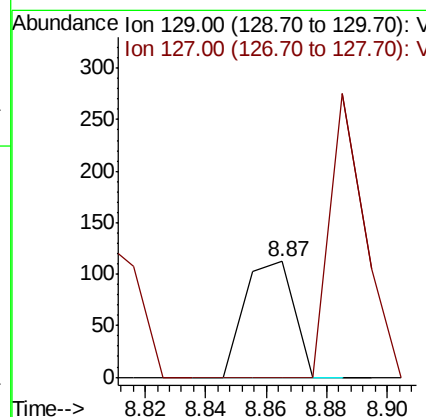
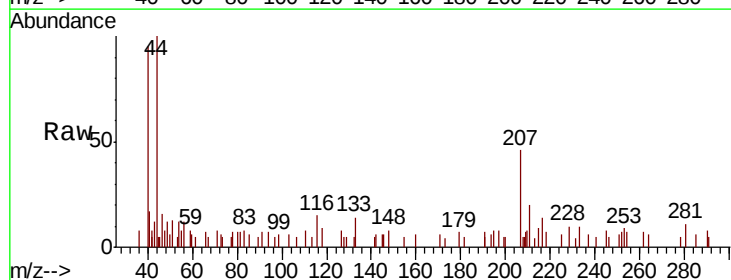
Instrument :  
MSVOA\_F  
ClientSampleId :  
CULVER-CBTC-WC1-051019

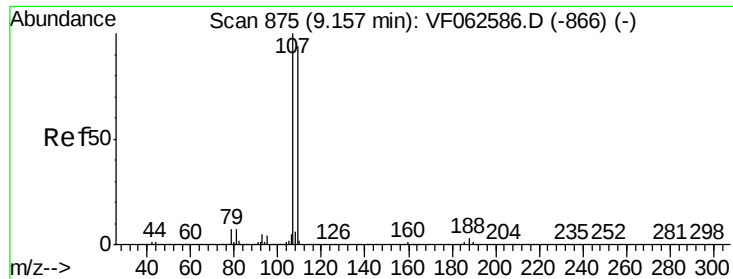
Tot Ion: 43 Resp: 510  
Ion Ratio Lower Upper  
43 100  
58 56.8 28.7 86.3



#60  
Dibromochloromethane  
Concen: 68.050 ug/l  
RT: 8.87 min Scan# 845  
Delta R.T. -0.02 min  
Lab File: VF062594.D  
Acq: 14 May 2019 22:05

Tgt Ion: 129 Resp: 127  
Ion Ratio Lower Upper  
129 100  
127 113.4 39.3 117.9

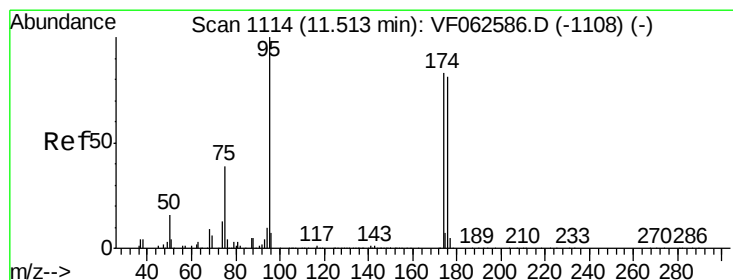
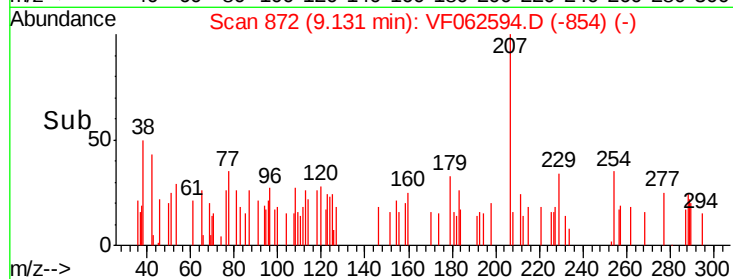
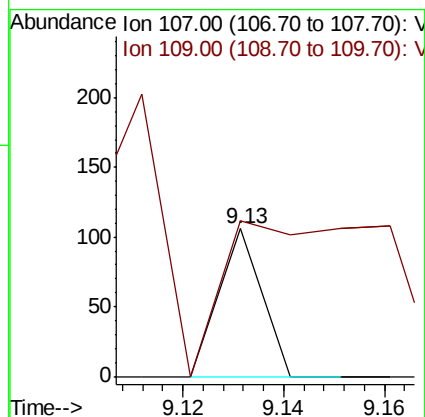
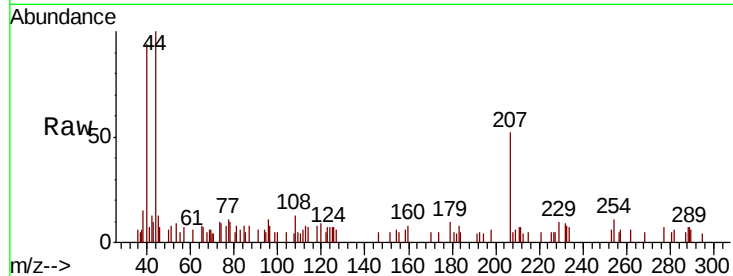




#61  
 1,2-Dibromoethane  
 Concen: 42.764 ug/l  
 RT: 9.13 min Scan# 872  
 Delta R.T. -0.03 min  
 Lab File: VF062594.D  
 Acq: 14 May 2019 22:05

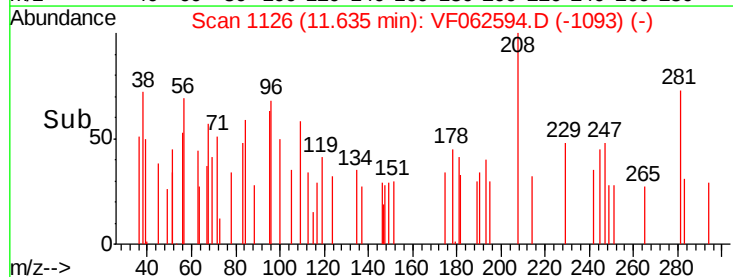
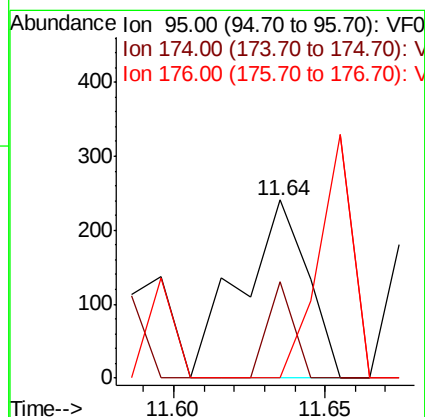
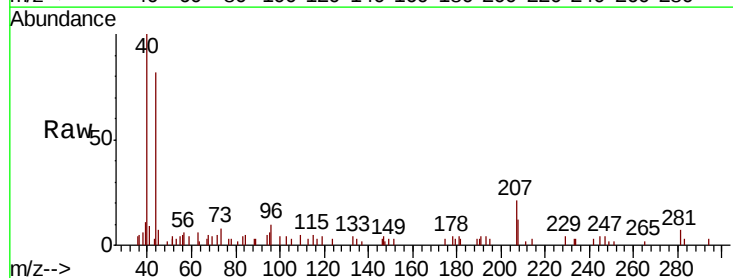
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 CULVER-CBTC-WC1-051019

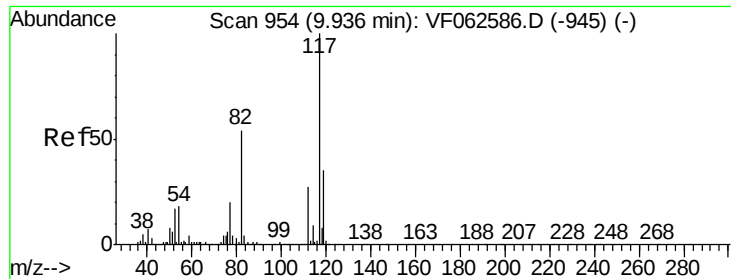
Tot Ion:107 Resp: 63  
 Ion Ratio Lower Upper  
 107 100  
 109 105.7 74.9 112.3



#62  
 4-Bromofluorobenzene  
 Concen: 150.516 ug/l  
 RT: 11.64 min Scan# 1126  
 Delta R.T. 0.12 min  
 Lab File: VF062594.D  
 Acq: 14 May 2019 22:05

Tgt Ion: 95 Resp: 366  
 Ion Ratio Lower Upper  
 95 100  
 174 53.9 0.0 166.6  
 176 0.0 0.0 161.8

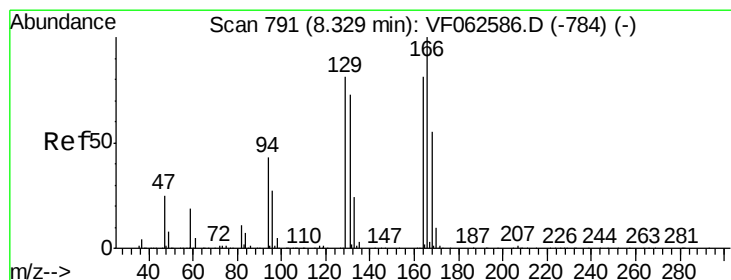
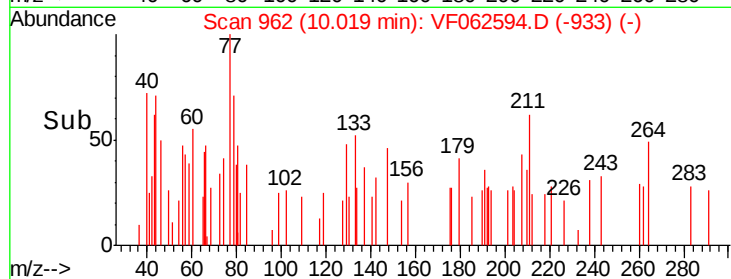
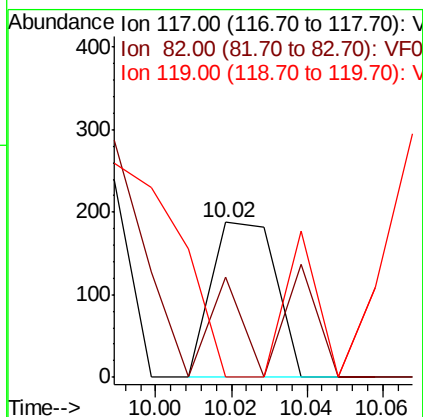
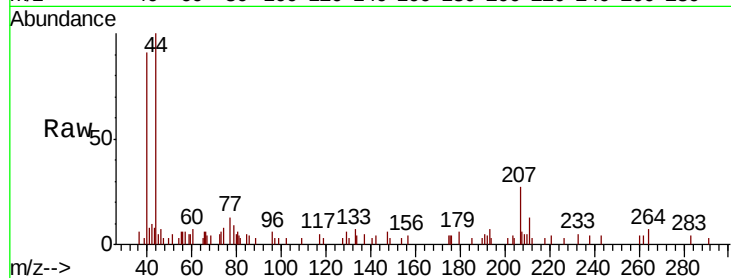




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.02 min Scan# 962  
Delta R.T. 0.08 min  
Lab File: VF062594.D  
Acq: 14 May 2019 22:05

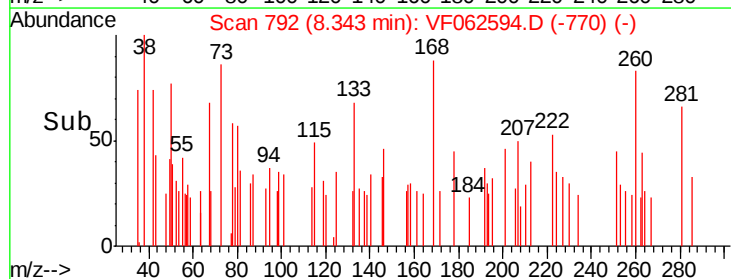
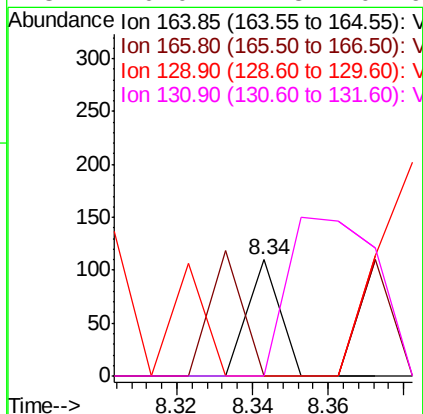
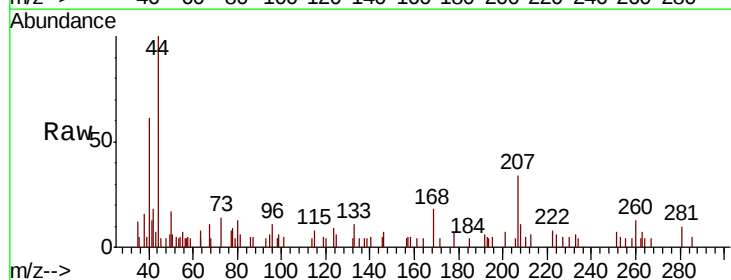
Instrument :  
MSVOA\_F  
ClientSampleId :  
CULVER-CBTC-WC1-051019

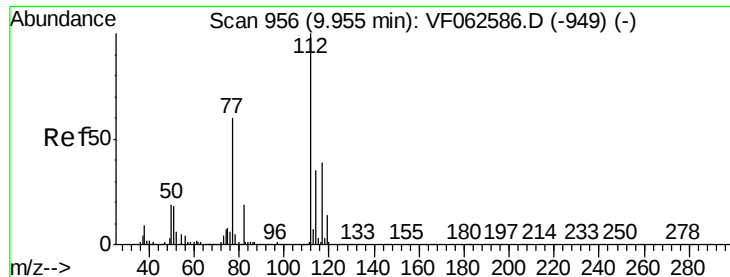
Tot Ion:117 Resp: 219  
Ion Ratio Lower Upper  
117 100  
82 64.4 43.4 65.0  
119 0.0 27.7 41.5#



#64  
Tetrachloroethene  
Concen: 44.916 ug/l  
RT: 8.34 min Scan# 792  
Delta R.T. 0.01 min  
Lab File: VF062594.D  
Acq: 14 May 2019 22:05

Tgt Ion:164 Resp: 65  
Ion Ratio Lower Upper  
164 100  
166 0.0 98.6 148.0#  
129 0.0 80.2 120.4#  
131 0.0 71.8 107.6#

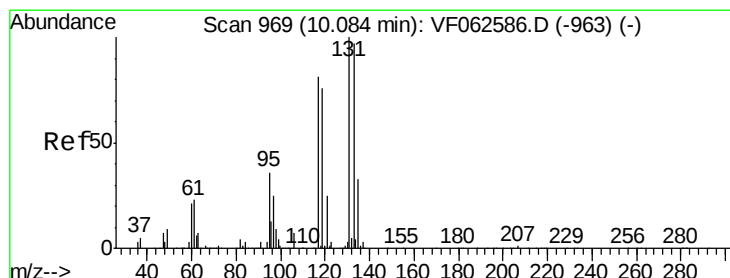
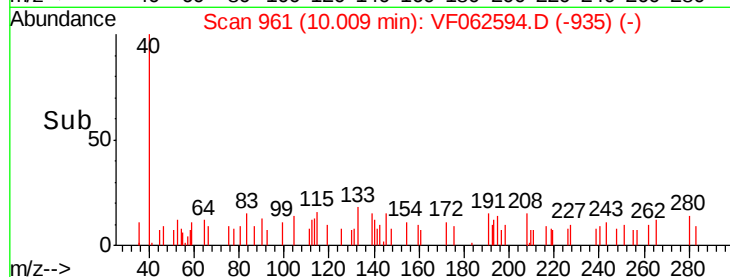
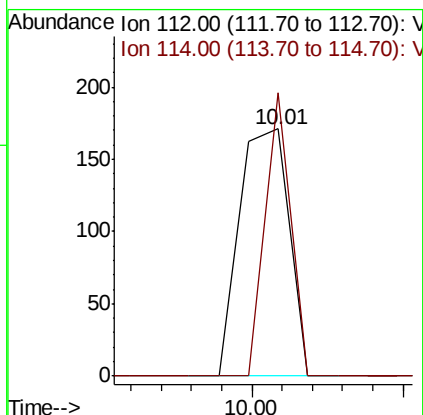
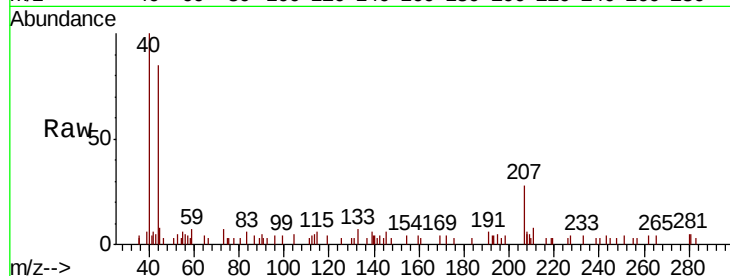




#65  
Chlorobenzene  
Concen: 51.742 ug/l  
RT: 10.01 min Scan# 961  
Delta R.T. 0.05 min  
Lab File: VF062594.D  
Acq: 14 May 2019 22:05

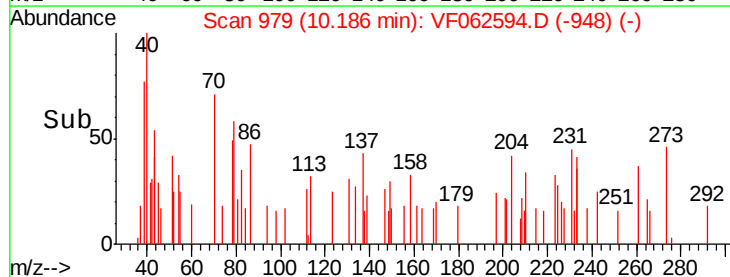
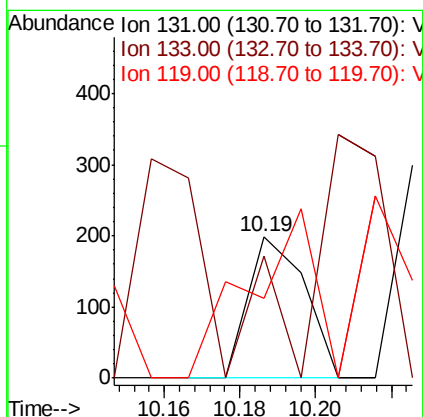
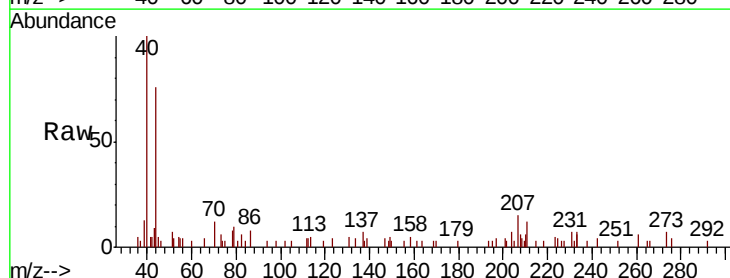
Instrument :  
MSVOA\_F  
ClientSampleId :  
CULVER-CBTC-WC1-051019

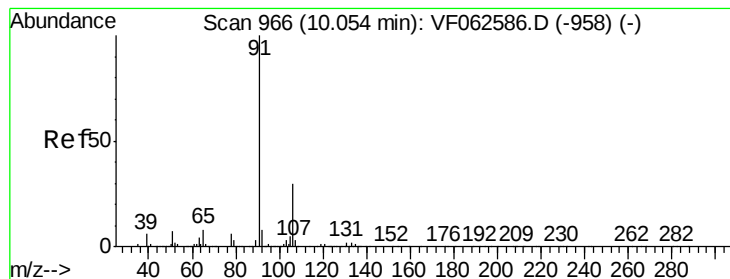
Tot Ion:112 Resp: 197  
Ion Ratio Lower Upper  
112 100  
114 114.6 27.9 41.9#



#66  
1,1,1,2-Tetrachloroethane  
Concen: 131.088 ug/l  
RT: 10.19 min Scan# 979  
Delta R.T. 0.10 min  
Lab File: VF062594.D  
Acq: 14 May 2019 22:05

Tgt Ion:131 Resp: 205  
Ion Ratio Lower Upper  
131 100  
133 85.9 48.4 145.3  
119 56.3 38.5 115.5





#67

Ethyl Benzene

Concen: 24.983 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

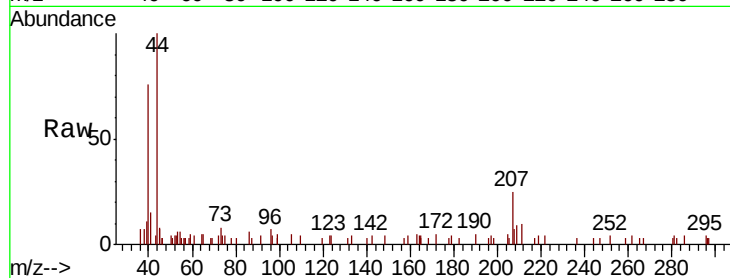
CULVER-CBTC-WC1-051019

Tot Ion: 91 Resp: 169

Ion Ratio Lower Upper

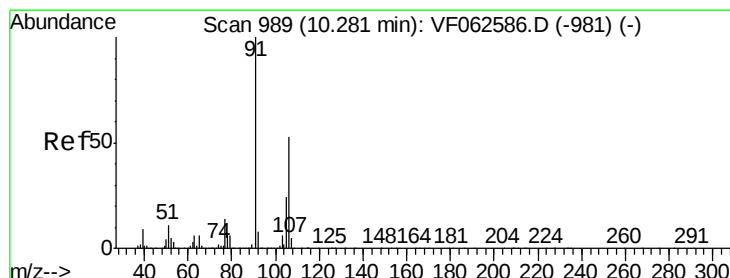
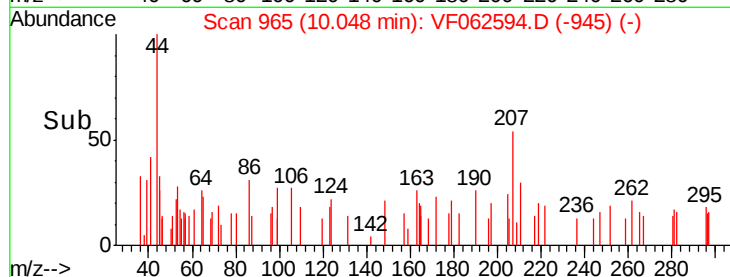
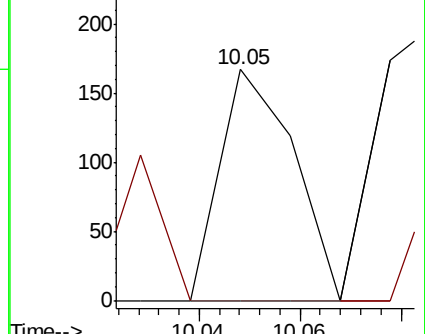
91 100

106 0.0 24.2 36.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 57.140 ug/l

RT: 10.39 min Scan# 1000

Delta R.T. 0.11 min

Lab File: VF062594.D

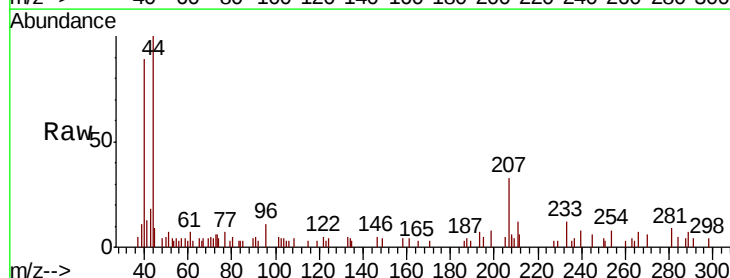
Acq: 14 May 2019 22:05

Tgt Ion: 106 Resp: 137

Ion Ratio Lower Upper

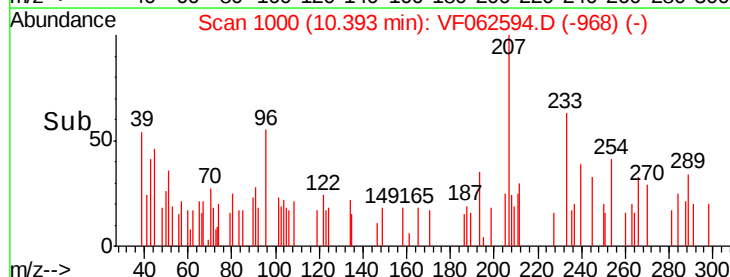
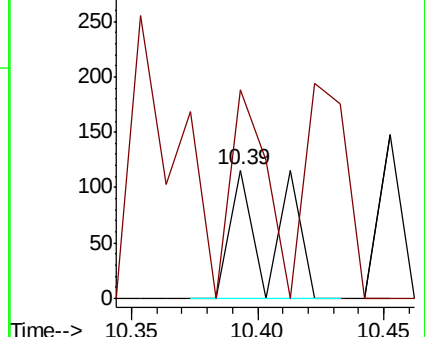
106 100

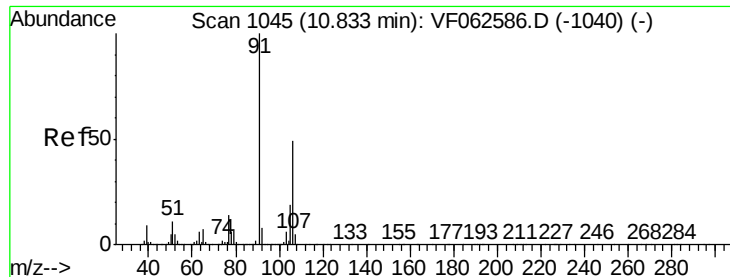
91 162.1 150.5 225.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

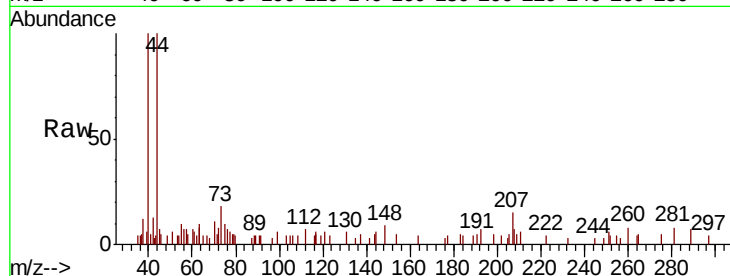




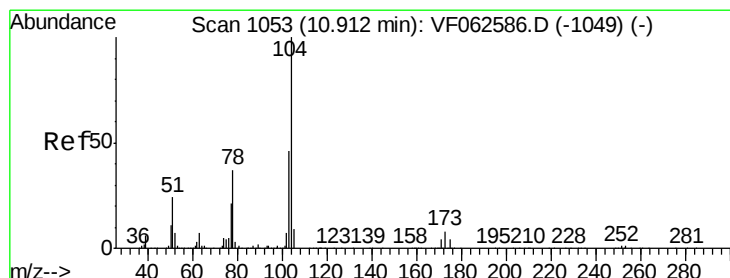
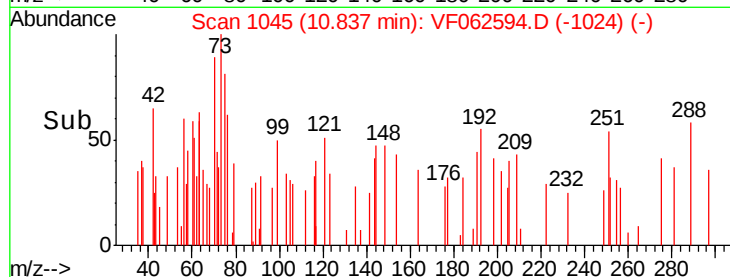
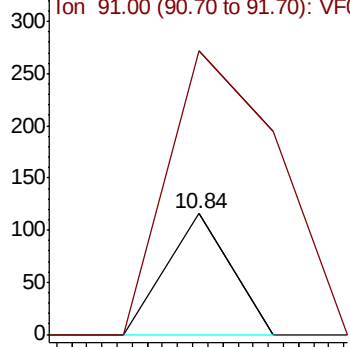
#69  
o-Xylene  
Concen: 27.434 ug/l  
RT: 10.84 min Scan# 1045  
Delta R.T. 0.00 min  
Lab File: VF062594.D  
Acq: 14 May 2019 22:05

Instrument :  
MSVOA\_F  
ClientSampleId :  
CULVER-CBTC-WC1-051019

Tot Ion:106 Resp: 69  
Ion Ratio Lower Upper  
106 100  
91 234.5 102.0 305.9

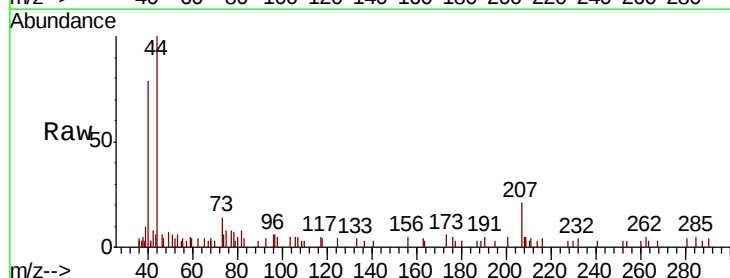


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VF0

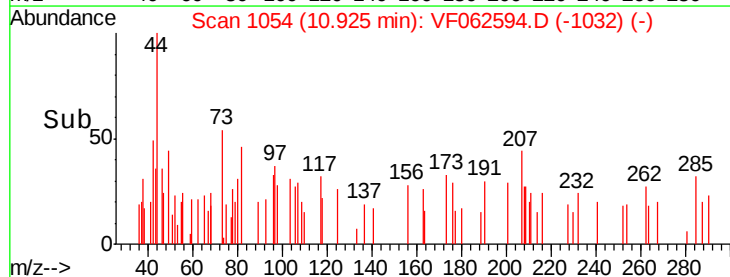
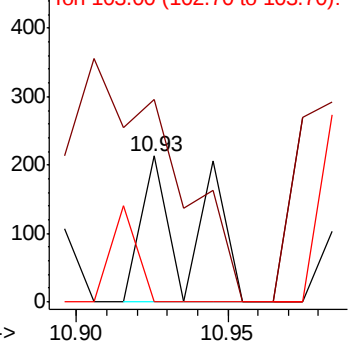


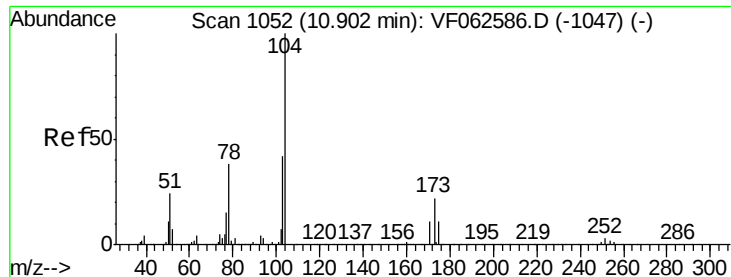
#70  
Styrene  
Concen: 64.892 ug/l  
RT: 10.93 min Scan# 1054  
Delta R.T. 0.01 min  
Lab File: VF062594.D  
Acq: 14 May 2019 22:05

Tgt Ion:104 Resp: 248  
Ion Ratio Lower Upper  
104 100  
78 139.0 30.2 45.2#  
103 0.0 37.0 55.6#



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VF0  
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 130.377 ug/l

RT: 10.91 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

CULVER-CBTC-WC1-051019

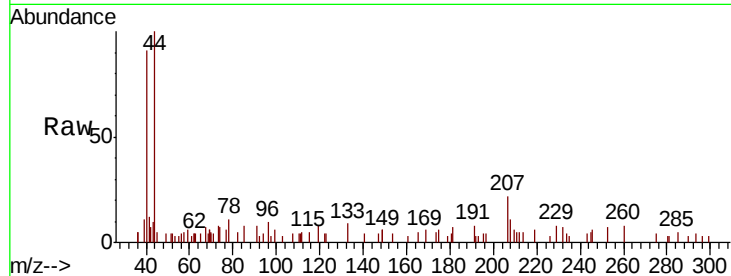
Tot Ion:173 Resp: 96

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.3#

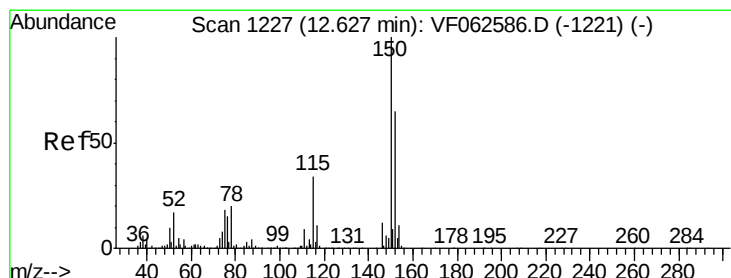
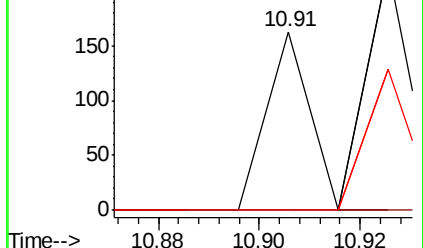
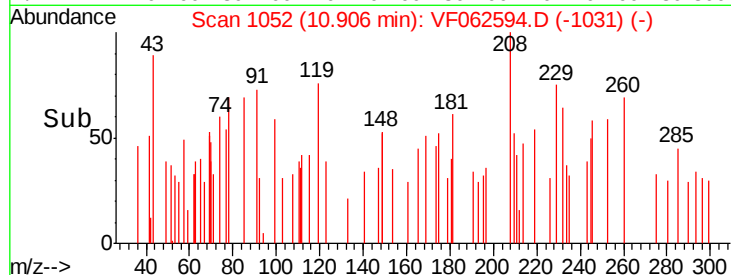
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

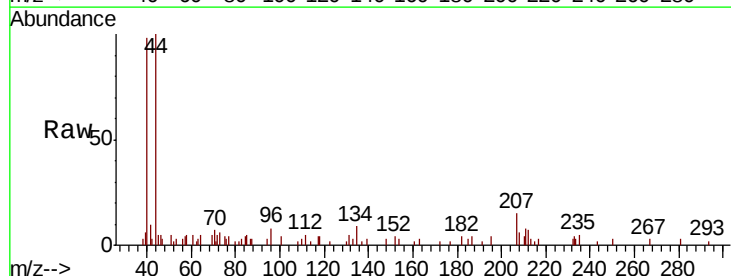
Tgt Ion:152 Resp: 318

Ion Ratio Lower Upper

152 100

115 0.0 26.2 78.6#

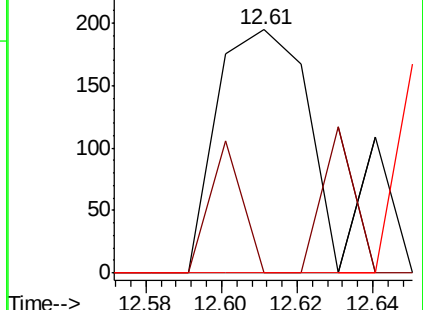
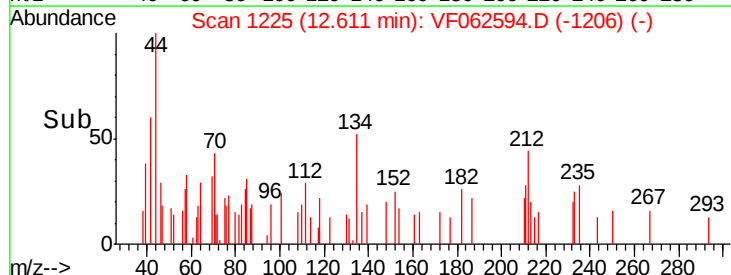
150 0.0 0.0 316.0

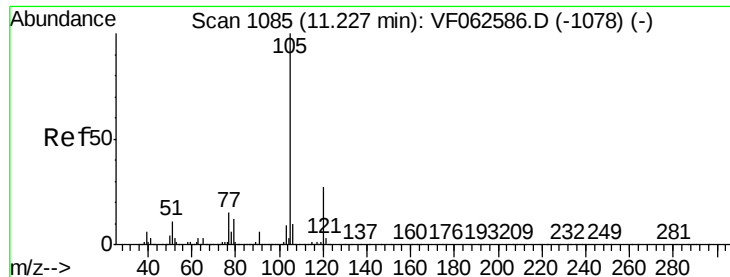


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 3.648 ug/l

RT: 11.19 min Scan# 1081

Delta R.T. -0.04 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

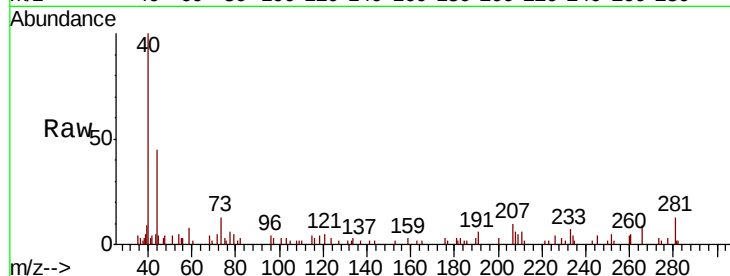
CULVER-CBTC-WC1-051019

Tot Ion:105 Resp: 78

Ion Ratio Lower Upper

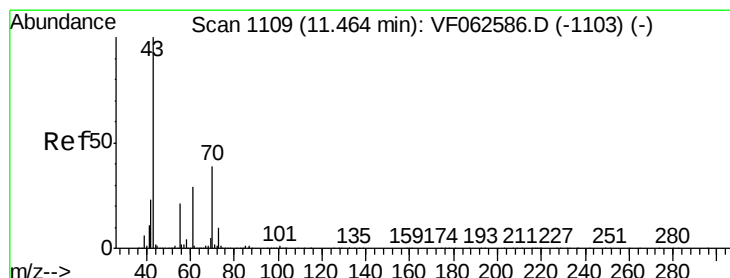
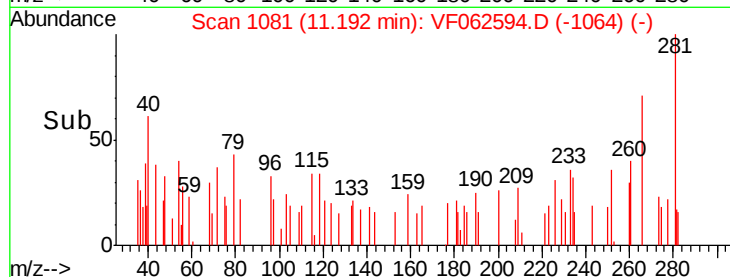
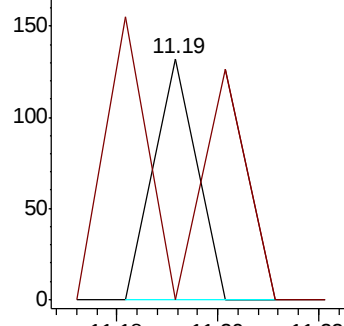
105 100

120 0.0 13.5 40.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 179.326 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. 0.02 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Tgt Ion: 43 Resp: 931

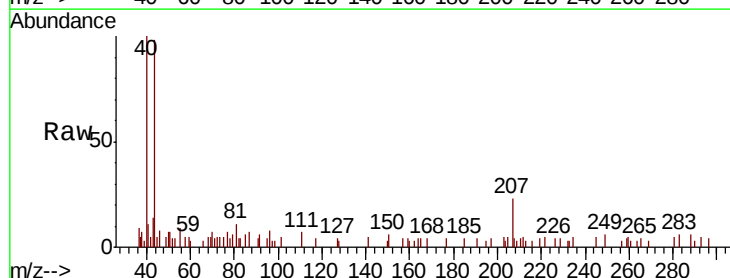
Ion Ratio Lower Upper

43 100

70 50.8 31.0 46.4#

55 64.8 16.7 25.1#

61 0.0 23.4 35.2#

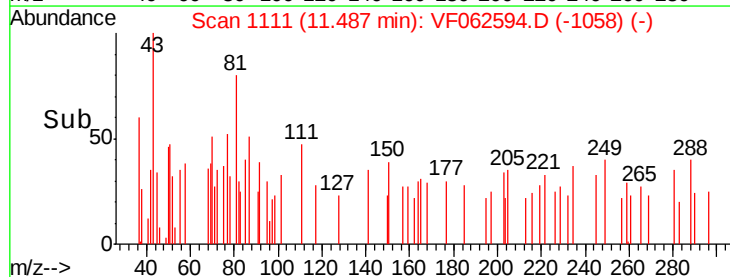
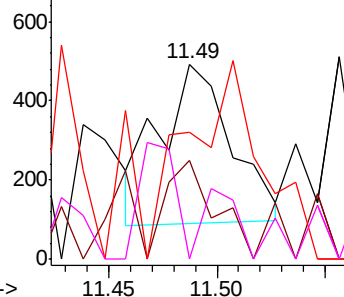


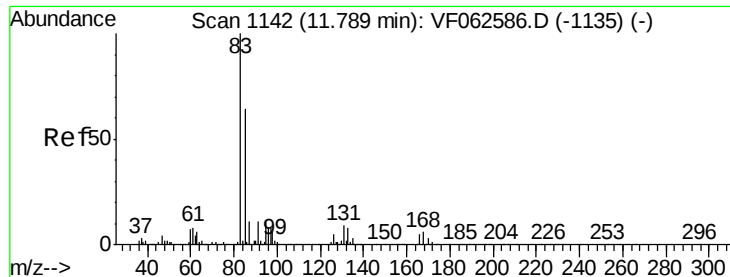
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 81.958 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. 0.04 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

CULVER-CBTC-WC1-051019

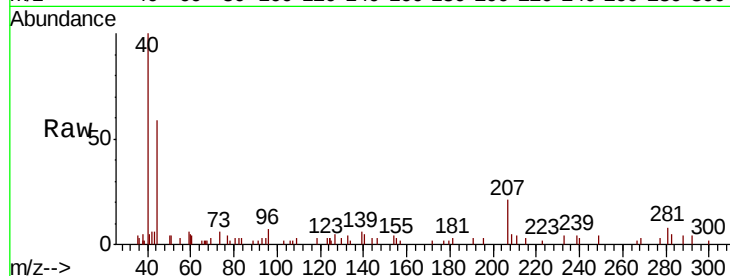
Tot Ion: 83 Resp: 359

Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

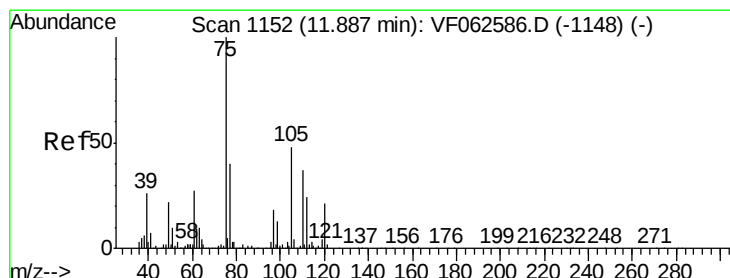
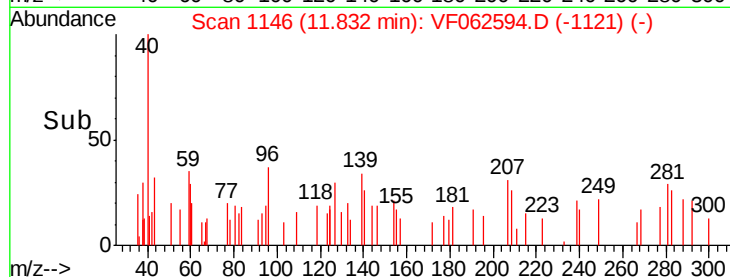
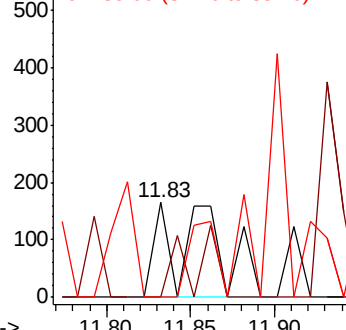
85 0.0 32.1 96.3#



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: 106.476 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.02 min

Lab File: VF062594.D

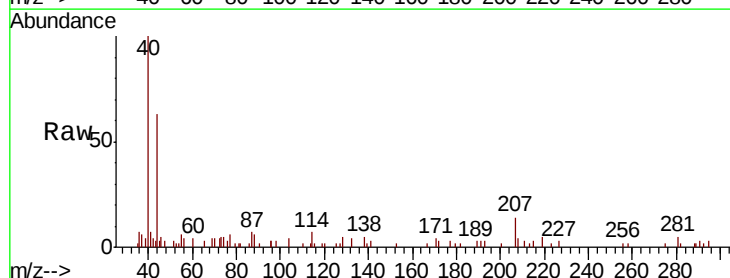
Acq: 14 May 2019 22:05

Tgt Ion: 75 Resp: 299

Ion Ratio Lower Upper

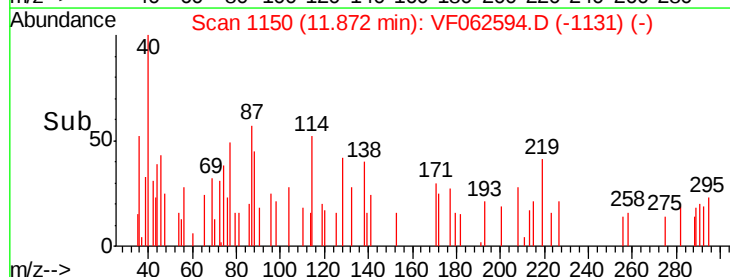
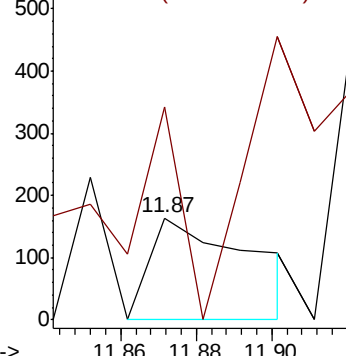
75 100

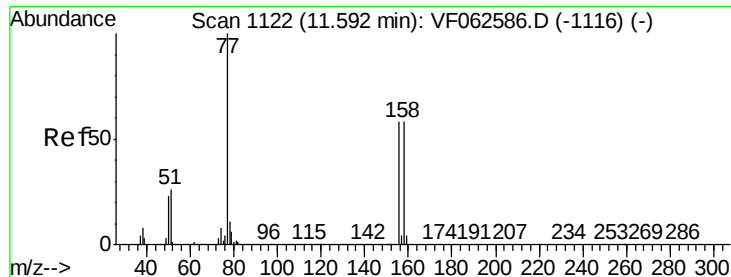
77 209.1 20.4 61.3#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 38.495 ug/l

RT: 11.61 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

CULVER-CBTC-WC1-051019

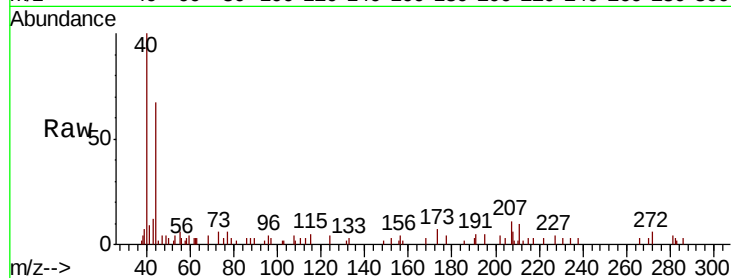
Tot Ion:156 Resp: 186

Ion Ratio Lower Upper

156 100

77 169.1 86.5 259.5

158 58.9 50.3 150.9



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V

600

500

400

300

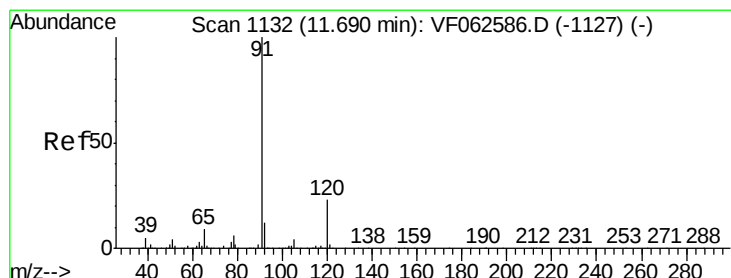
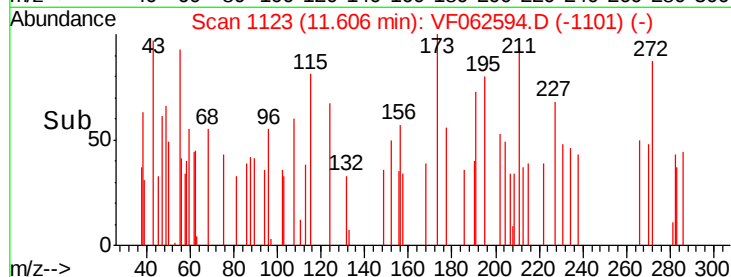
200

100

0

11.61

Time-->



#78

n-propylbenzene

Concen: 18.402 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF062594.D

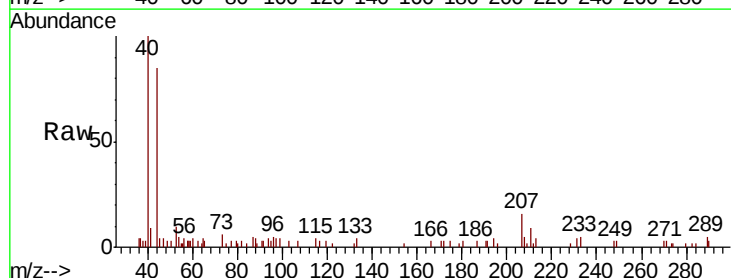
Acq: 14 May 2019 22:05

Tgt Ion: 91 Resp: 468

Ion Ratio Lower Upper

91 100

120 0.0 11.7 35.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

300

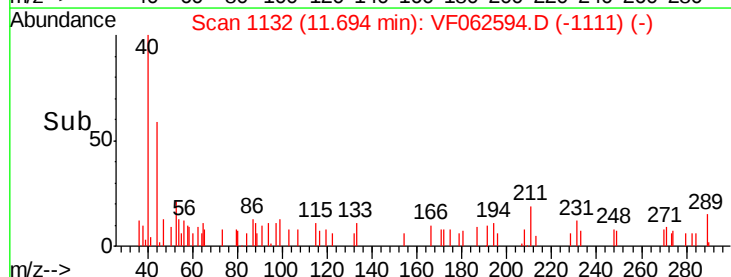
200

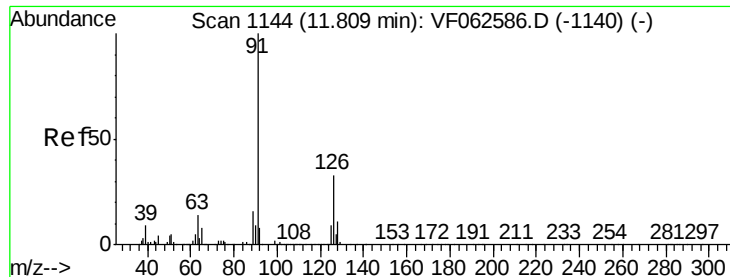
100

0

11.69

Time-->

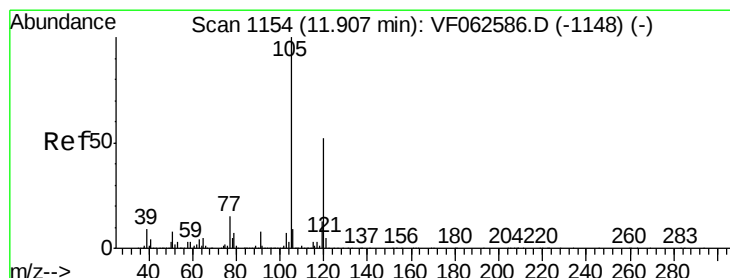
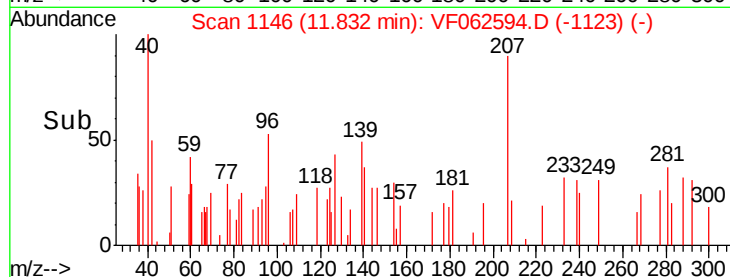
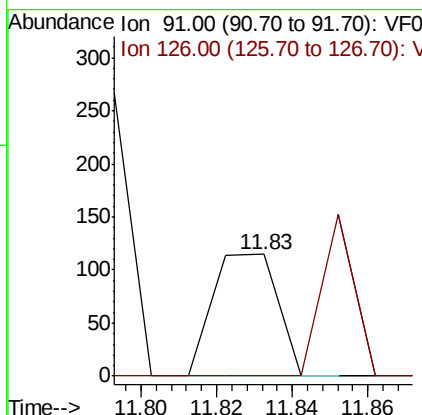
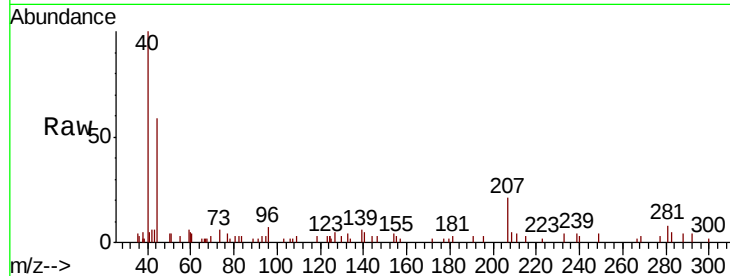




#79  
 2-Chlorotoluene  
 Concen: 9.619 ug/l  
 RT: 11.83 min Scan# 1146  
 Delta R.T. 0.02 min  
 Lab File: VF062594.D  
 Acq: 14 May 2019 22:05

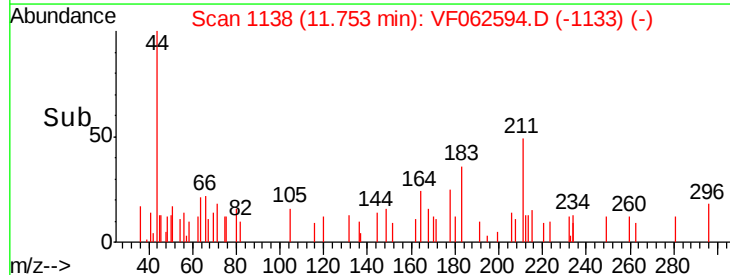
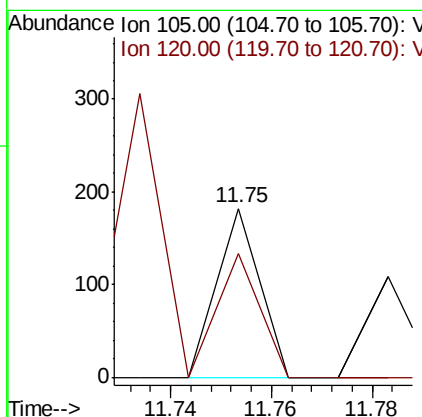
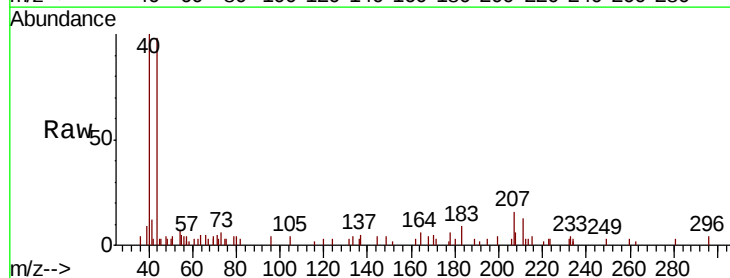
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 CULVER-CBTC-WC1-051019

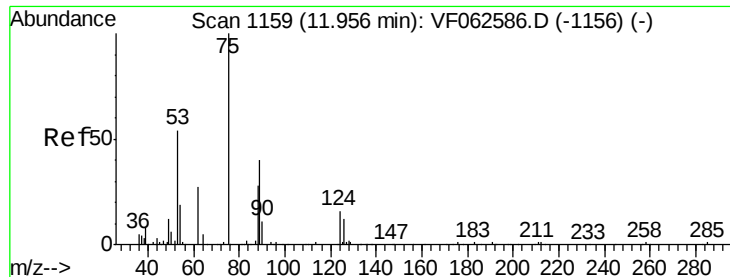
Tot Ion: 91 Resp: 135  
 Ion Ratio Lower Upper  
 91 100  
 126 243.5 16.6 49.8#



#80  
 1,3,5-Trimethylbenzene  
 Concen: 6.453 ug/l  
 RT: 11.75 min Scan# 1138  
 Delta R.T. -0.15 min  
 Lab File: VF062594.D  
 Acq: 14 May 2019 22:05

Tgt Ion:105 Resp: 108  
 Ion Ratio Lower Upper  
 105 100  
 120 73.1 25.9 77.6





#81

trans-1,4-Dichloro-2-butene

Concen: 389.336 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

CULVER-CBTC-WC1-051019

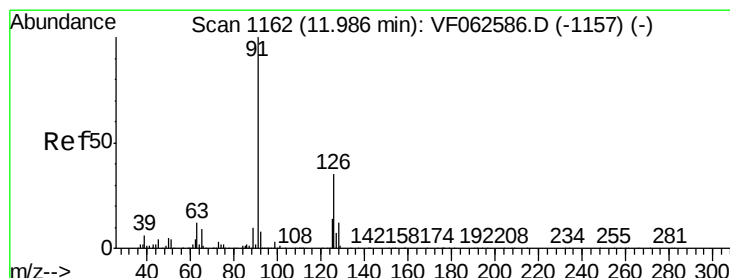
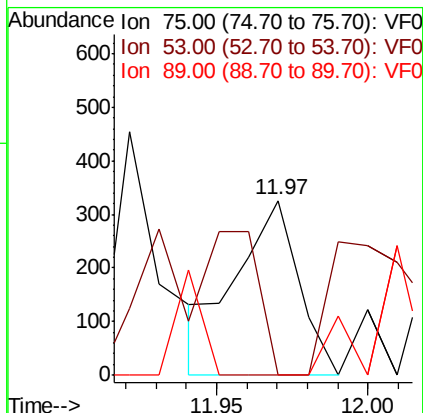
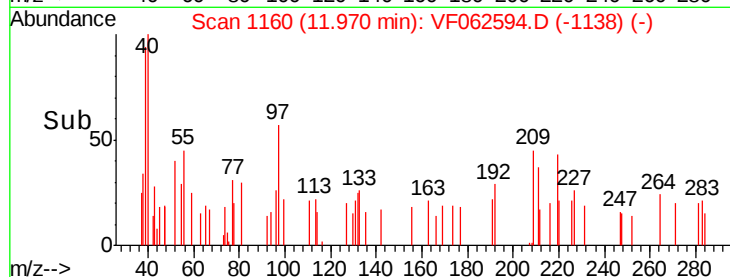
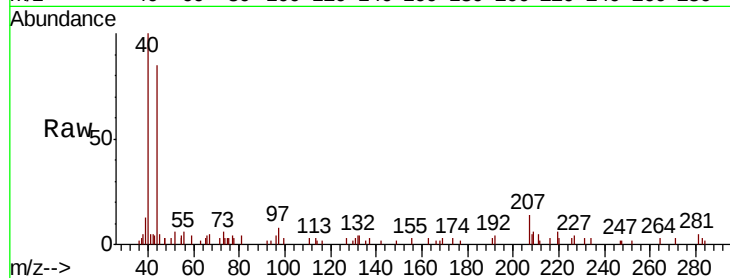
Tot Ion: 75 Resp: 466

Ion Ratio Lower Upper

75 100

53 0.0 46.6 70.0#

89 0.0 33.8 50.8#



#82

4-Chlorotoluene

Concen: 5.465 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF062594.D

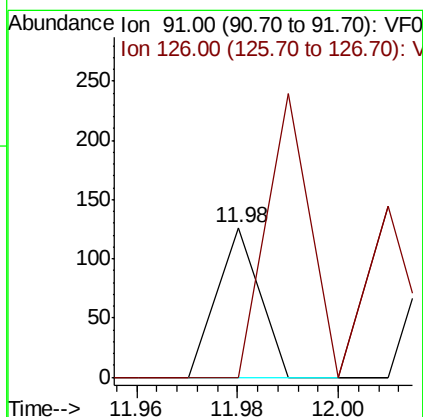
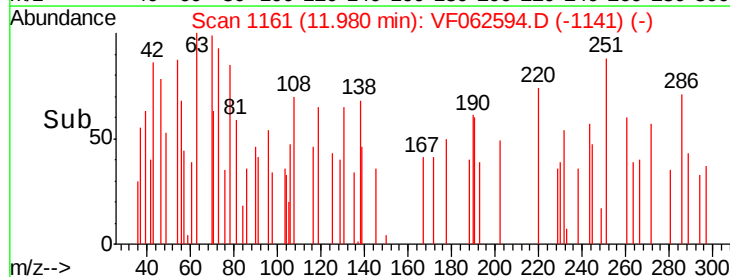
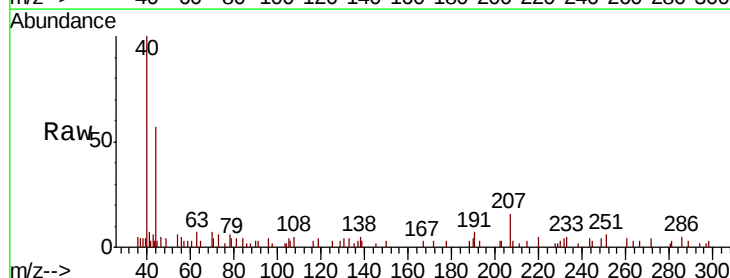
Acq: 14 May 2019 22:05

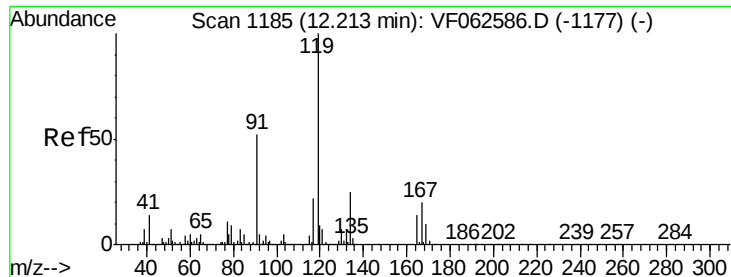
Tgt Ion: 91 Resp: 75

Ion Ratio Lower Upper

91 100

126 0.0 17.5 52.5#





#83

tert-Butylbenzene

Concen: 26.332 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

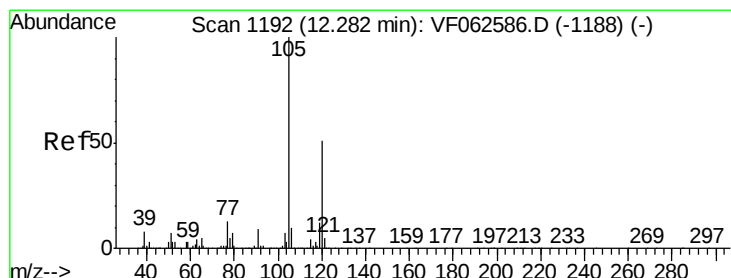
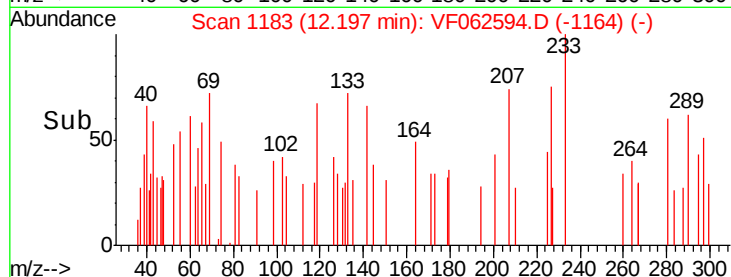
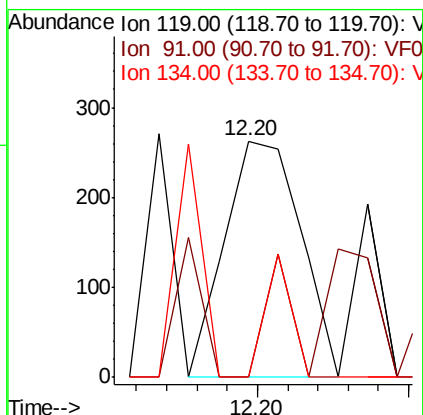
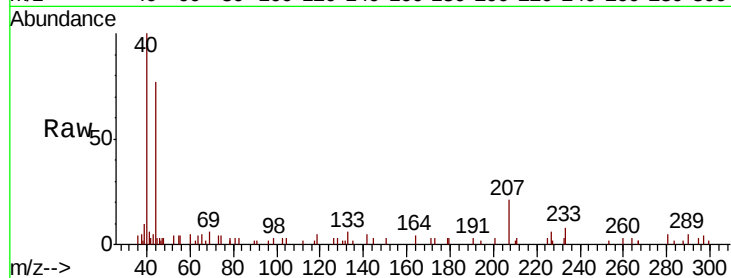
Instrument :

MSVOA\_F

ClientSampleId :

CULVER-CBTC-WC1-051019

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 119   | Resp: | 461   |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 91       | 0.0   | 26.0  | 78.0# |
| 134      | 0.0   | 12.6  | 37.8# |



#84

1,2,4-Trimethylbenzene

Concen: 13.381 ug/l

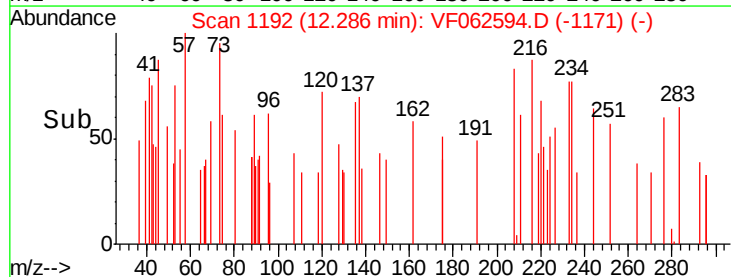
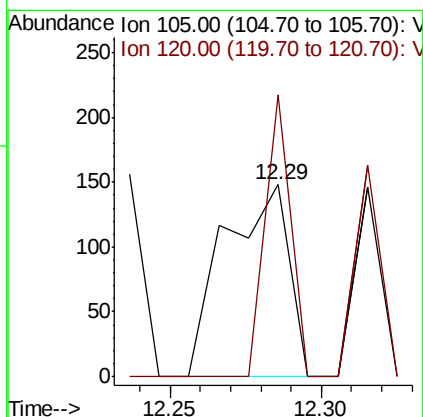
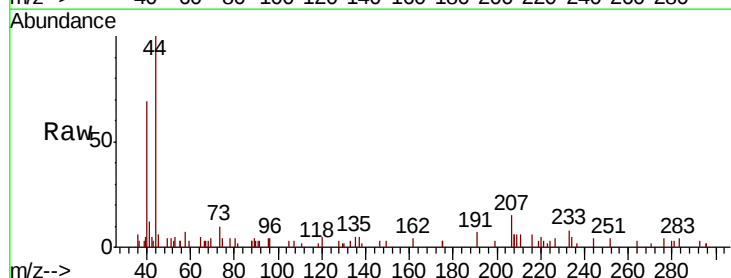
RT: 12.29 min Scan# 1192

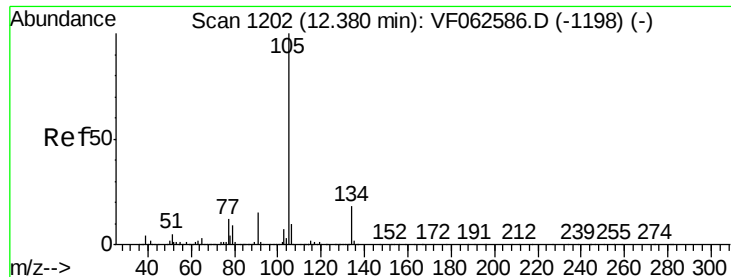
Delta R.T. 0.00 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 220   |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 147.3 | 25.4  | 76.0# |





#85

sec-Butylbenzene

Concen: 2.903 ug/l

RT: 12.35 min Scan# 1199

Delta R.T. -0.03 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

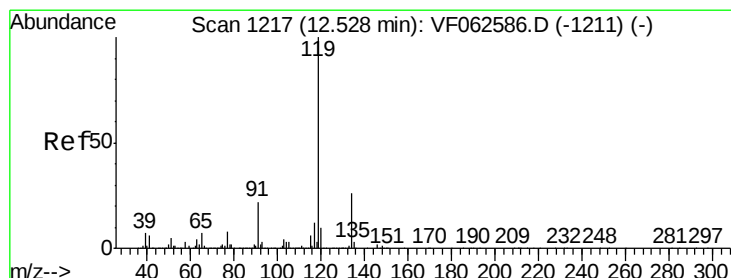
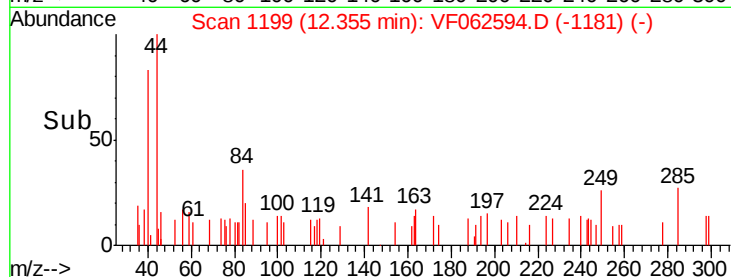
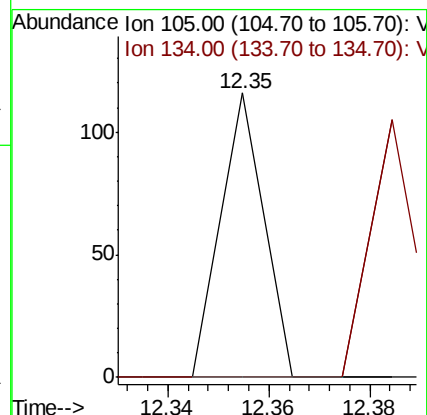
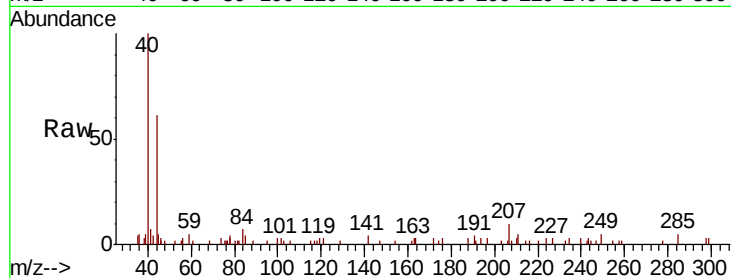
CULVER-CBTC-WC1-051019

Tot Ion:105 Resp: 69

Ion Ratio Lower Upper

105 100

134 0.0 9.3 27.7#



#86

p-Isopropyltoluene

Concen: 9.864 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

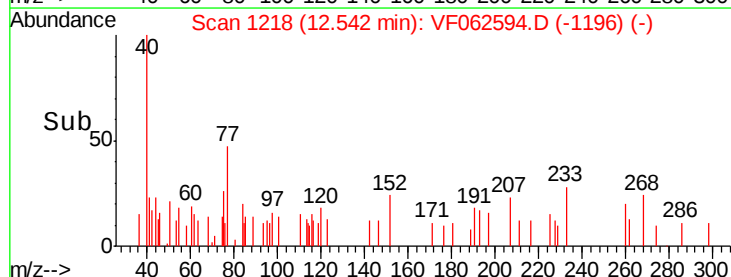
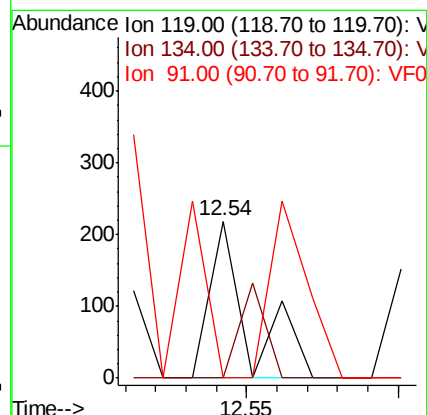
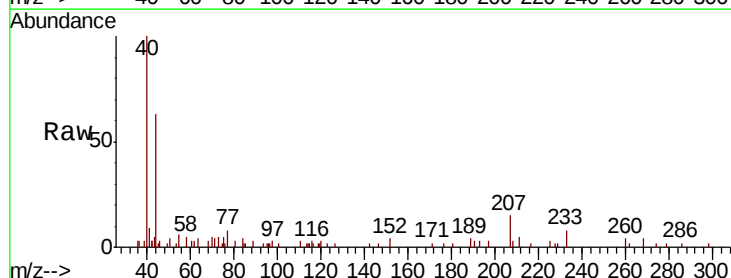
Tgt Ion:119 Resp: 193

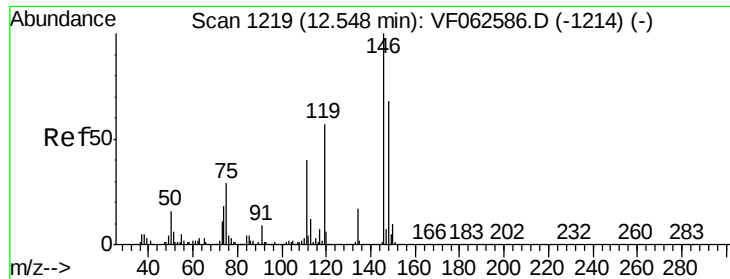
Ion Ratio Lower Upper

119 100

134 0.0 13.0 39.0#

91 0.0 10.9 32.9#





#87

1,3-Dichlorobenzene

Concen: 23.173 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.03 min

Lab File: VF062594.D

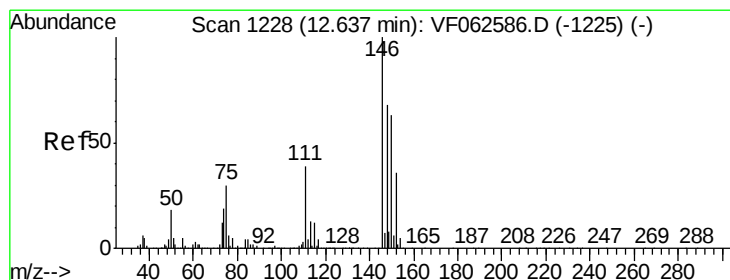
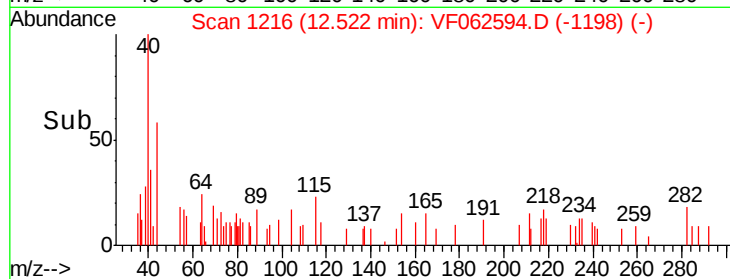
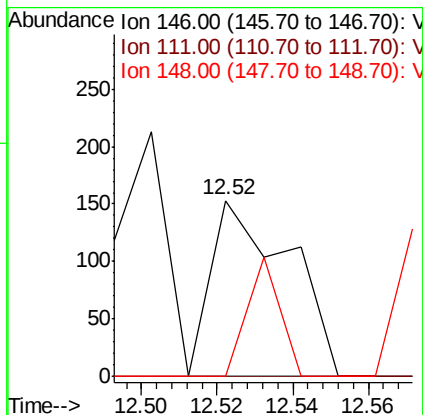
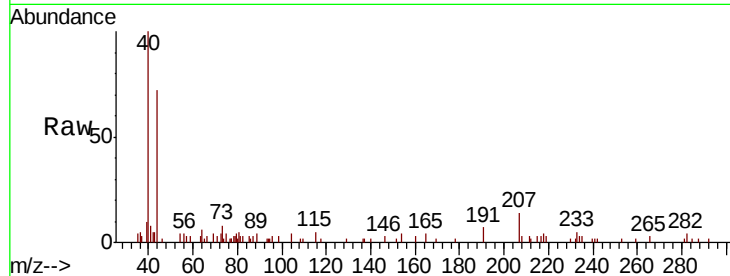
Acq: 14 May 2019 22:05

Instrument :  
MSVOA\_F

ClientSampleId :  
CULVER-CBTC-WC1-051019

Tot Ion:146 Resp: 219

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 146 | 100   |       |        |
| 111 | 0.0   | 20.1  | 60.2#  |
| 148 | 0.0   | 34.0  | 101.8# |



#88

1,4-Dichlorobenzene

Concen: 9.137 ug/l

RT: 12.67 min Scan# 1231

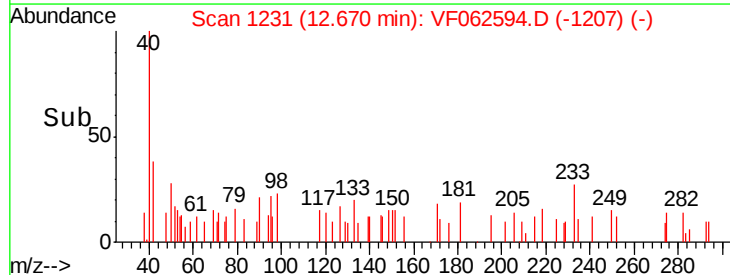
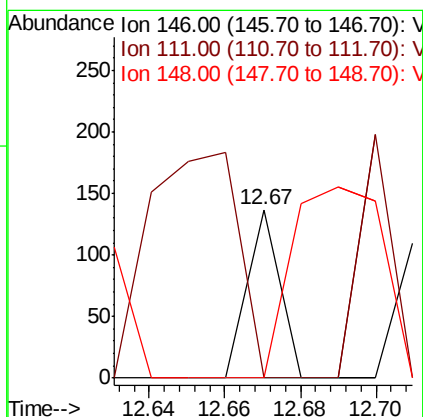
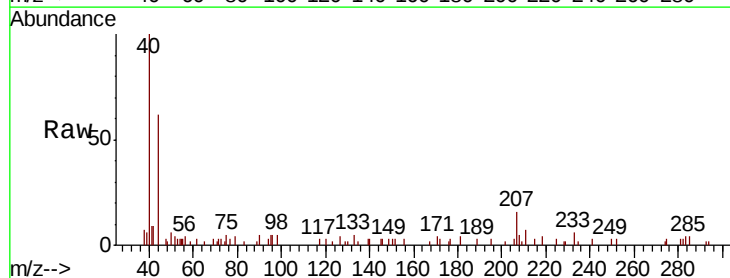
Delta R.T. 0.03 min

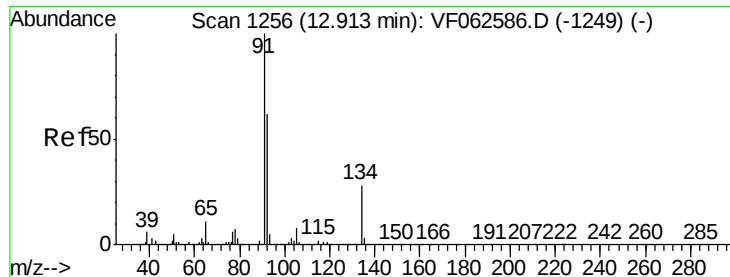
Lab File: VF062594.D

Acq: 14 May 2019 22:05

Tgt Ion:146 Resp: 81

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 146 | 100   |       |        |
| 111 | 0.0   | 19.4  | 58.1#  |
| 148 | 0.0   | 34.2  | 102.5# |





#89

n-Butylbenzene

Concen: 5.875 ug/l

RT: 12.93 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

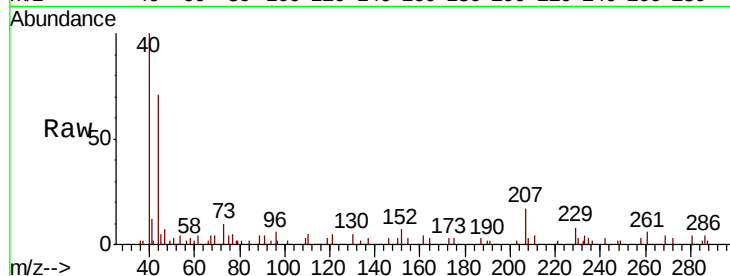
Instrument :

MSVOA\_F

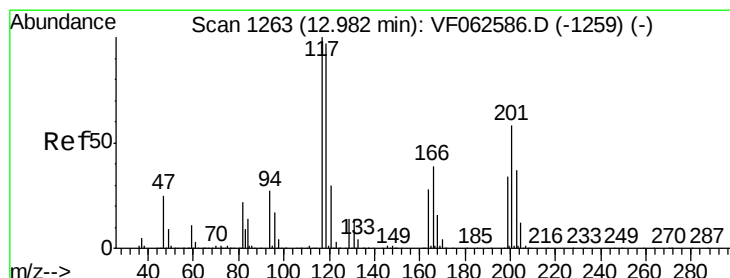
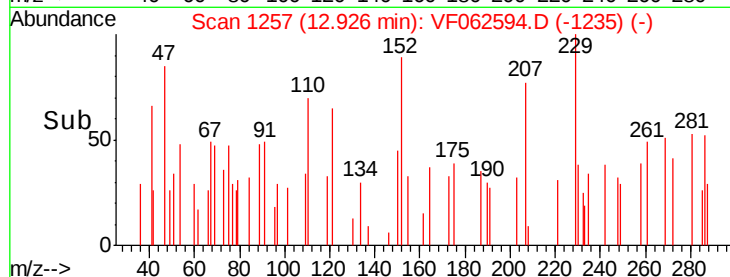
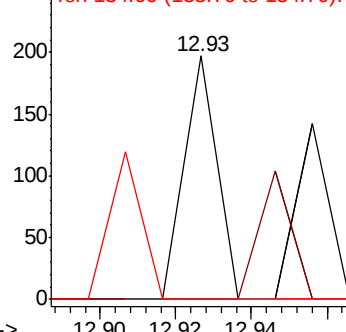
ClientSampleId :

CULVER-CBTC-WC1-051019

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 91    | Resp: | 117   |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 0.0   | 30.9  | 92.8# |
| 134      | 0.0   | 13.9  | 41.6# |



Abundance Ion 91.00 (90.70 to 91.70): VF0  
Ion 92.00 (91.70 to 92.70): VF0  
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 59.260 ug/l

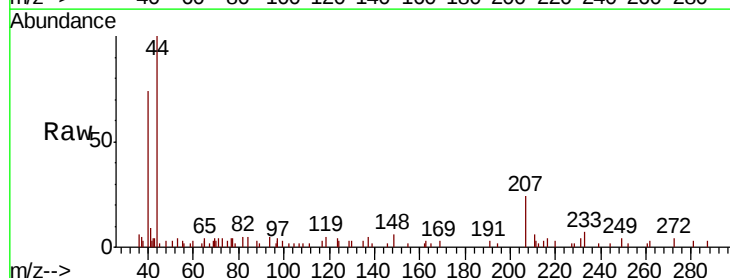
RT: 12.97 min Scan# 1261

Delta R.T. -0.02 min

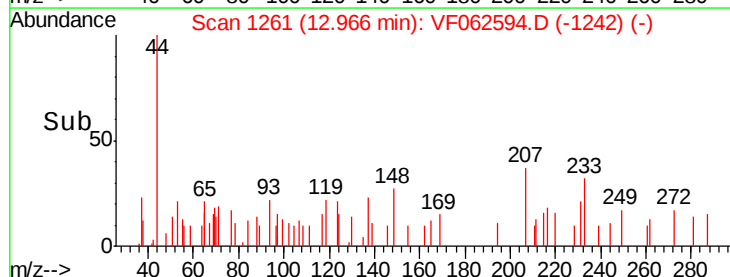
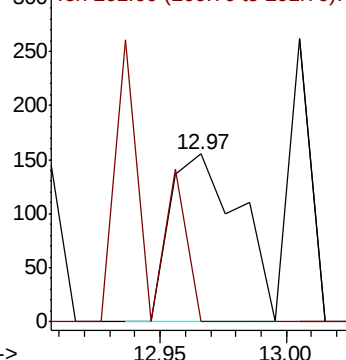
Lab File: VF062594.D

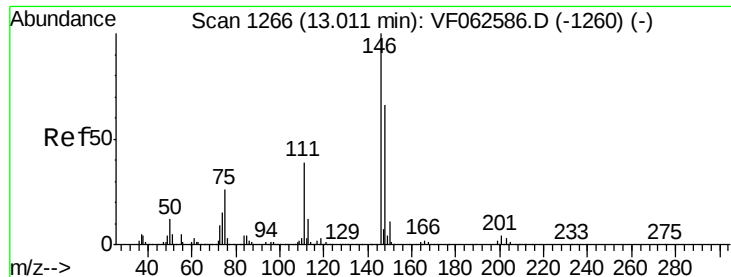
Acq: 14 May 2019 22:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 297   |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 0.0   | 29.7  | 89.1# |



Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 28.030 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

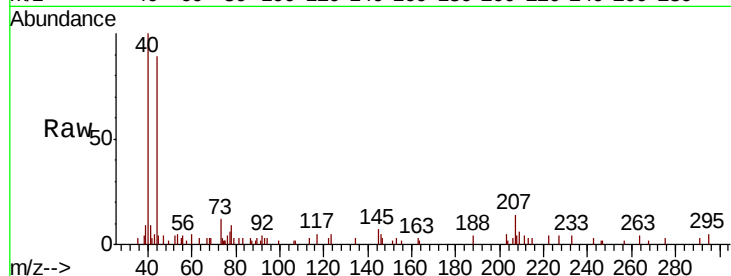
Instrument :

MSVOA\_F

ClientSampleId :

CULVER-CBTC-WC1-051019

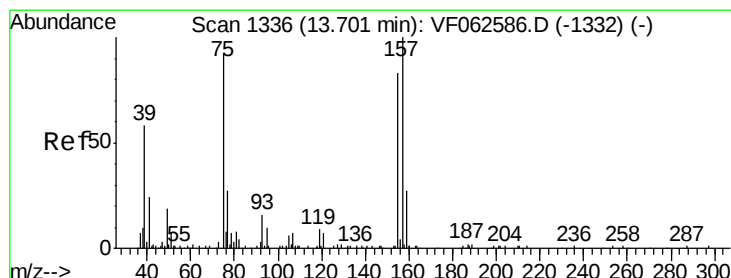
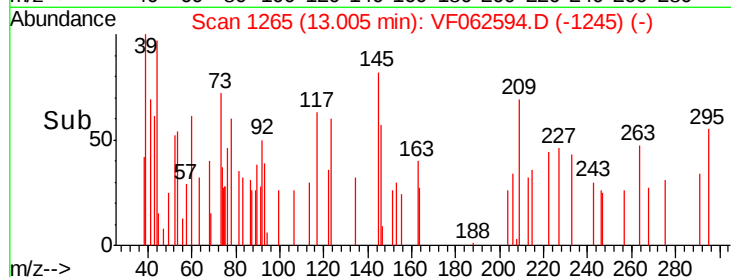
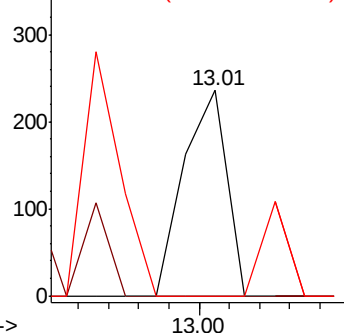
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 146   | Resp: | 235   |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 0.0   | 19.4  | 58.2# |
| 148      | 0.0   | 33.1  | 99.5# |



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 905.120 ug/l

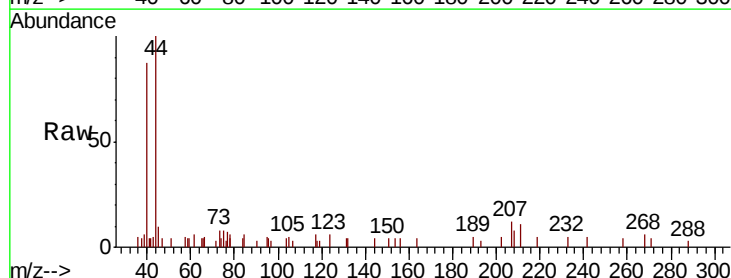
RT: 13.70 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

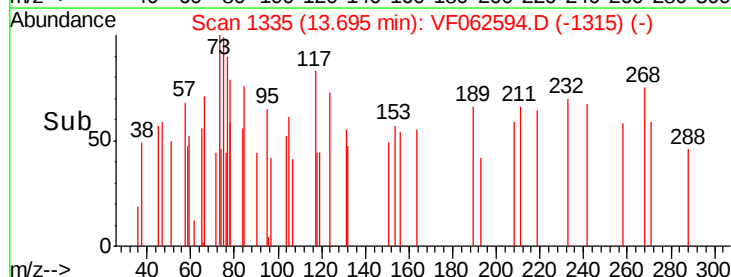
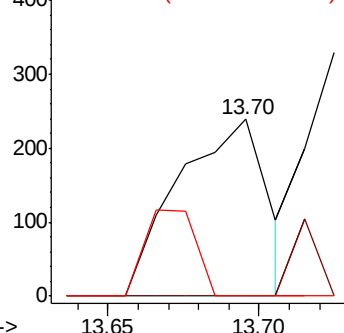
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 487    |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 155      | 0.0   | 44.8  | 134.4# |
| 157      | 0.0   | 54.1  | 162.3# |

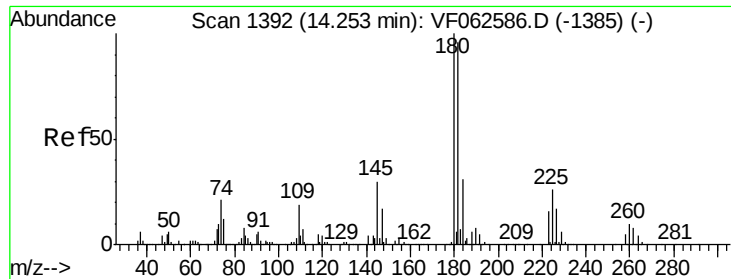


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 18.525 ug/l

RT: 14.31 min Scan# 1397

Delta R.T. 0.05 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

Instrument :

MSVOA\_F

ClientSampleId :

CULVER-CBTC-WC1-051019

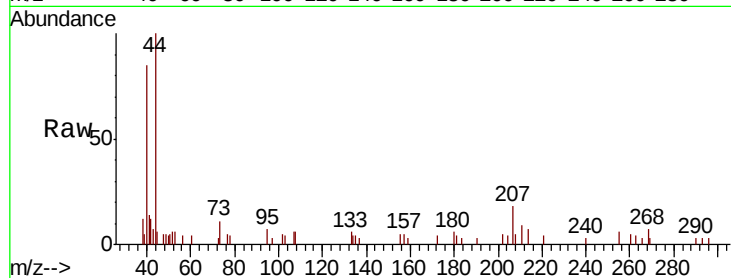
Tot Ion:180 Resp: 108

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.8#

145 0.0 14.8 44.4#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

14.31

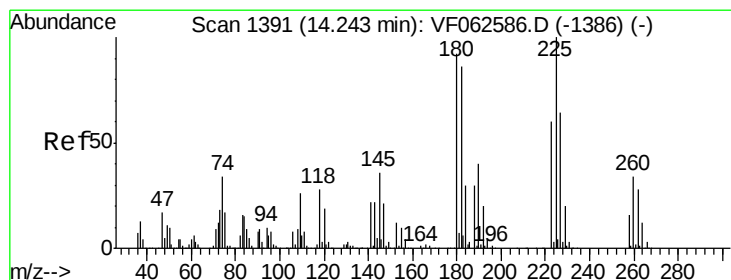
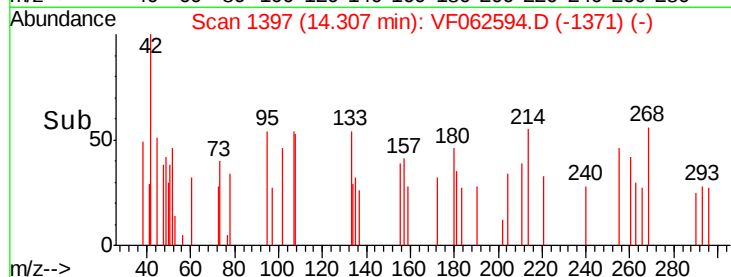
150

100

50

0

Time-->



#94

Hexachlorobutadiene

Concen: 15.112 ug/l

RT: 14.26 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VF062594.D

Acq: 14 May 2019 22:05

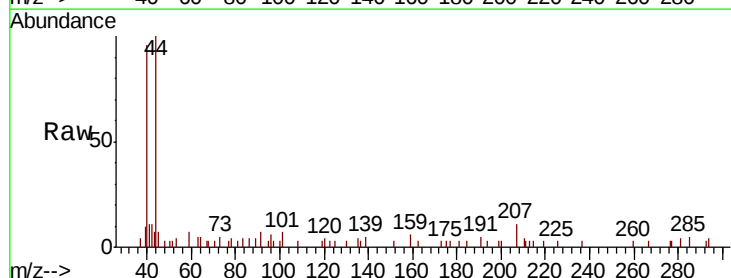
Tgt Ion:225 Resp: 64

Ion Ratio Lower Upper

225 100

223 0.0 29.9 89.7#

227 0.0 31.9 95.9#



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

14.26

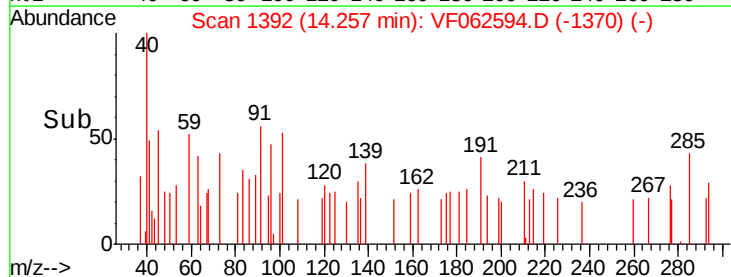
150

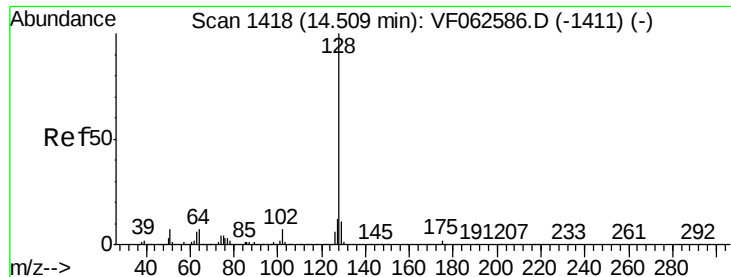
100

50

0

Time-->

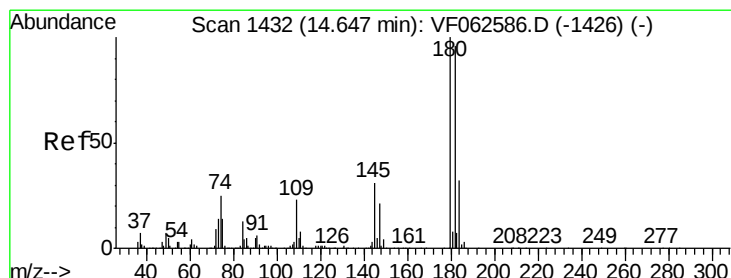
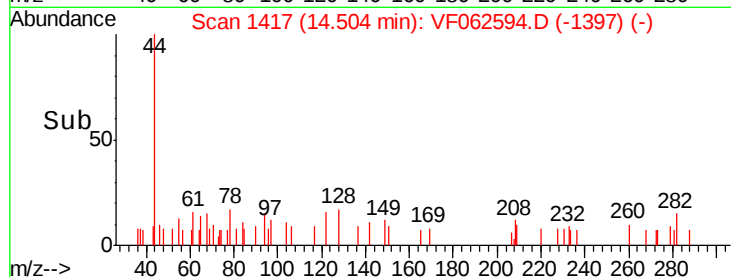
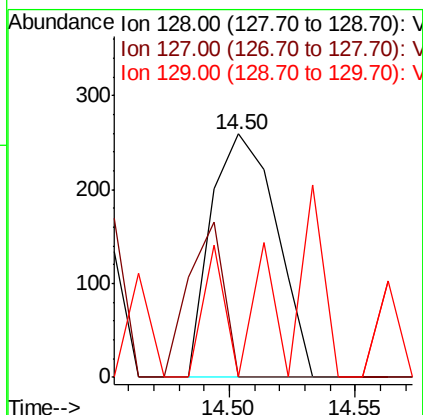
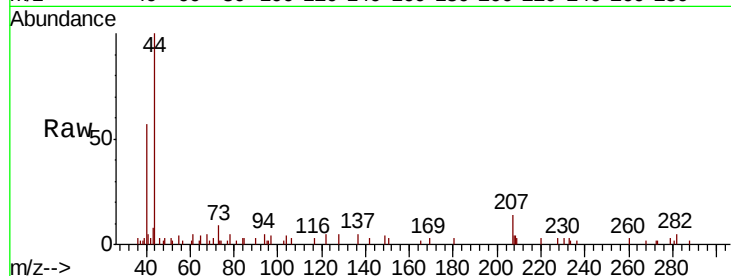




#95  
Naphthalene  
Concen: 49.108 ug/l  
RT: 14.50 min Scan# 1417  
Delta R.T. -0.01 min  
Lab File: VF062594.D  
Acq: 14 May 2019 22:05

Instrument :  
MSVOA\_F  
ClientSampleId :  
CULVER-CBTC-WC1-051019

Tot Ion:128 Resp: 466  
Ion Ratio Lower Upper  
128 100  
127 0.0 9.5 14.3#  
129 0.0 8.6 13.0#



#96  
1,2,3-Trichlorobenzene  
Concen: 12.942 ug/l  
RT: 14.66 min Scan# 1433  
Delta R.T. 0.01 min  
Lab File: VF062594.D  
Acq: 14 May 2019 22:05

Tgt Ion:180 Resp: 70  
Ion Ratio Lower Upper  
180 100  
182 0.0 48.1 144.3#  
145 86.4 15.6 46.7#

