

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\  
 Data File : VF062178.D  
 Acq On : 16 Apr 2019 16:17  
 Operator : FY/SY  
 Sample : VF0416SBS01  
 Misc : 5.00µ/5mL/MSVOA F/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0416SBS01

Quant Time: Apr 17 08:05:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F041619S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 17 07:56:48 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.06  | 168  | 400465   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.78  | 114  | 596114   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.91  | 117  | 457573   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.62 | 152  | 236910   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.04  | 65   | 182309   | 50.56 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.12% |          |
| 35) Dibromofluoromethane    | 4.32  | 113  | 243909   | 51.87 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.74% |          |
| 50) Toluene-d8              | 7.72  | 98   | 613857   | 44.67 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.34%  |          |
| 62) 4-Bromofluorobenzene    | 11.50 | 95   | 237379   | 43.74 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 87.48%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.00 | 85   | 133049   | 22.645  | ug/l   | 97     |
| 3) Chloromethane              | 1.14 | 50   | 140504   | 22.220  | ug/l   | 98     |
| 4) Vinyl Chloride             | 1.19 | 62   | 126314   | 22.832  | ug/l   | 95     |
| 5) Bromomethane               | 1.37 | 94   | 62185    | 17.479  | ug/l   | 97     |
| 6) Chloroethane               | 1.45 | 64   | 45197    | 17.255  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 1.55 | 101  | 141472   | 21.381  | ug/l   | 99     |
| 8) Diethyl Ether              | 1.71 | 74   | 29933    | 22.410  | ug/l   | 87     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.91 | 101  | 100405   | 23.233  | ug/l   | 98     |
| 10) Methyl Iodide             | 1.98 | 142  | 178354   | 22.170  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 2.70 | 59   | 24765    | 123.893 | ug/l # | 86     |
| 12) 1,1-Dichloroethene        | 1.87 | 96   | 95511    | 21.731  | ug/l   | 91     |
| 13) Acrolein                  | 2.11 | 56   | 20168    | 128.085 | ug/l   | 93     |
| 14) Allyl chloride            | 2.21 | 41   | 162267   | 24.520  | ug/l   | 96     |
| 15) Acrylonitrile             | 3.09 | 53   | 91708    | 123.473 | ug/l   | 98     |
| 16) Acetone                   | 2.34 | 43   | 91571    | 112.622 | ug/l   | 92     |
| 17) Carbon Disulfide          | 1.91 | 76   | 272638   | 21.898  | ug/l   | 100    |
| 18) Methyl Acetate            | 2.46 | 43   | 39395    | 19.006  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 2.55 | 73   | 173998   | 23.801  | ug/l   | 99     |
| 20) Methylene Chloride        | 2.33 | 84   | 66141    | 12.836  | ug/l   | 94     |
| 21) trans-1,2-Dichloroethene  | 2.42 | 96   | 91730    | 21.814  | ug/l   | 92     |
| 22) Diisopropyl ether         | 2.95 | 45   | 283221   | 23.023  | ug/l   | 97     |
| 23) Vinyl Acetate             | 3.35 | 43   | 616256   | 100.429 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 3.01 | 63   | 153514   | 22.410  | ug/l   | 98     |
| 25) 2-Butanone                | 4.52 | 43   | 167907   | 96.134  | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 3.78 | 77   | 89642    | 24.879  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 3.66 | 96   | 120571   | 21.600  | ug/l   | 95     |
| 28) Bromochloromethane        | 3.91 | 49   | 69597    | 21.217  | ug/l   | 95     |
| 29) Tetrahydrofuran           | 4.28 | 42   | 78041    | 100.461 | ug/l   | 100    |
| 30) Chloroform                | 4.06 | 83   | 182661   | 21.448  | ug/l   | 95     |
| 31) Cyclohexane               | 3.88 | 56   | 192275   | 21.725  | ug/l   | 96     |
| 32) 1,1,1-Trichloroethane     | 4.30 | 97   | 139738   | 24.062  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 4.48 | 75   | 133222   | 20.114  | ug/l   | 99     |
| 37) Ethyl Acetate             | 4.31 | 43   | 62771    | 20.568  | ug/l # | 81     |
| 38) Carbon Tetrachloride      | 4.19 | 117  | 131828   | 23.125  | ug/l   | 91     |

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 Sample : VF0416SBS01  
 Misc : 5.00µ/5mL/MSVOA F/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleID :  
 VF0416SBS01

Quant Time: Apr 17 08:05:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F041619S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 17 07:56:48 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 5.64  | 83   | 181887   | 21.914  | ug/l   | 98       |
| 40) Benzene                    | 4.83  | 78   | 364998   | 20.863  | ug/l   | 97       |
| 41) Methacrylonitrile          | 4.94  | 41   | 35524    | 19.373  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 5.13  | 62   | 86118    | 19.448  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 7.12  | 43   | 68327    | 19.378  | ug/l   | 97       |
| 44) Trichloroethene            | 5.69  | 130  | 92955    | 19.851  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 6.42  | 63   | 82869    | 19.308  | ug/l   | 95       |
| 46) Dibromomethane             | 6.27  | 93   | 50331    | 19.447  | ug/l   | 96       |
| 47) Bromodichloromethane       | 6.56  | 83   | 113812   | 19.411  | ug/l   | 98       |
| 48) Methyl methacrylate        | 6.88  | 41   | 42751    | 18.518  | ug/l   | 94       |
| 49) 1,4-Dioxane                | 6.88  | 88   | 9969     | 554.134 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone       | 8.41  | 43   | 277634   | 102.180 | ug/l   | 97       |
| 52) Toluene                    | 7.79  | 92   | 193051   | 18.784  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene      | 8.43  | 75   | 89241    | 17.571  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 7.47  | 75   | 123476   | 19.120  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 8.63  | 97   | 54827    | 18.626  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 8.76  | 69   | 69998    | 19.998  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 9.00  | 76   | 88376    | 18.262  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether  | 7.45  | 63   | 72102    | 79.949  | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.63  | 43   | 177304   | 102.676 | ug/l   | 96       |
| 60) Dibromochloromethane       | 8.86  | 129  | 77031    | 19.020  | ug/l   | 95       |
| 61) 1,2-Dibromoethane          | 9.14  | 107  | 61257    | 19.451  | ug/l   | 96       |
| 64) Tetrachloroethene          | 8.31  | 164  | 75317    | 20.153  | ug/l   | 98       |
| 65) Chlorobenzene              | 9.93  | 112  | 191183   | 20.085  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.06 | 131  | 89221    | 22.704  | ug/l   | 95       |
| 67) Ethyl Benzene              | 10.03 | 91   | 359604   | 20.380  | ug/l   | 97       |
| 68) m/p-Xylenes                | 10.26 | 106  | 265442   | 40.867  | ug/l   | 88       |
| 69) o-Xylene                   | 10.82 | 106  | 146910   | 20.891  | ug/l   | 91       |
| 70) Styrene                    | 10.89 | 104  | 202786   | 19.828  | ug/l   | 97       |
| 71) Bromoform                  | 10.88 | 173  | 43210    | 20.997  | ug/l # | 95       |
| 73) Isopropylbenzene           | 11.22 | 105  | 449344   | 22.016  | ug/l   | 97       |
| 74) N-amyl acetate             | 11.45 | 43   | 118806   | 23.163  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.77 | 83   | 75360    | 20.727  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.87 | 75   | 48678    | 19.742  | ug/l   | 100      |
| 77) Bromobenzene               | 11.58 | 156  | 85017    | 20.029  | ug/l   | 92       |
| 78) n-propylbenzene            | 11.68 | 91   | 483470   | 20.840  | ug/l   | 96       |
| 79) 2-Chlorotoluene            | 11.80 | 91   | 280337   | 20.500  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.90 | 105  | 368129   | 21.626  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.95 | 75   | 31913    | 25.879  | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 11.97 | 91   | 267123   | 19.933  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.20 | 119  | 370836   | 21.939  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 12.27 | 105  | 352123   | 21.315  | ug/l   | 95       |
| 85) sec-Butylbenzene           | 12.37 | 105  | 489151   | 22.008  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 12.52 | 119  | 419292   | 22.144  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene        | 12.54 | 146  | 163526   | 21.057  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.63 | 146  | 150614   | 19.892  | ug/l   | 96       |
| 89) n-Butylbenzene             | 12.90 | 91   | 417253   | 20.811  | ug/l   | 94       |
| 90) Hexachloroethane           | 12.97 | 117  | 101399   | 21.862  | ug/l   | 80       |
| 91) 1,2-Dichlorobenzene        | 13.00 | 146  | 156245   | 20.965  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.69 | 75   | 13889    | 21.210  | ug/l   | 86       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF041619\  
Data File : VF062178.D  
Acq On : 16 Apr 2019 16:17  
Operator : FY/SY  
Sample : VF0416SBSD01  
Misc : 5.00g/5mL/MSVOA F/SOIL  
ALS Vial : 12 Sample Multiplier: 1

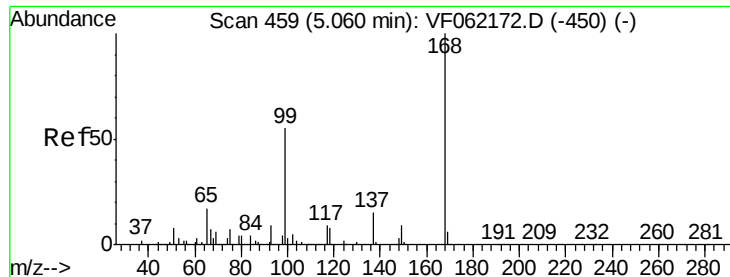
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0416SBSD01

Quant Time: Apr 17 08:05:53 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F041619S.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 17 07:56:48 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.24 | 180  | 131226   | 23.445 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 14.23 | 225  | 84887    | 23.271 | ug/l  | 99       |
| 95) Naphthalene            | 14.50 | 128  | 227711   | 23.286 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.64 | 180  | 121115   | 23.225 | ug/l  | 95       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

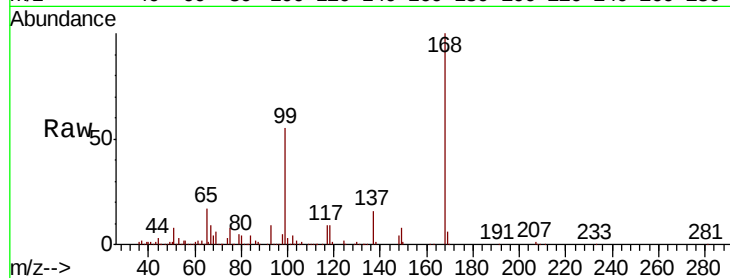
VF0416SBS01

Tot Ion:168 Resp: 400465

Ion Ratio Lower Upper

168 100

99 54.9 44.2 66.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

150000

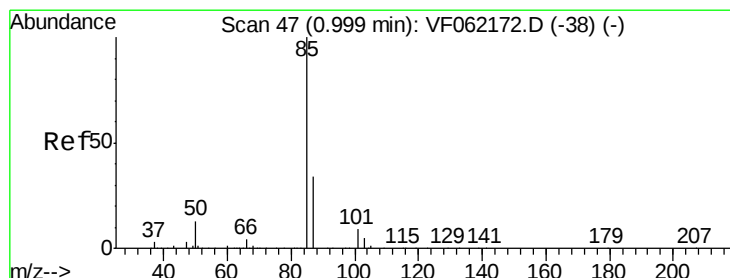
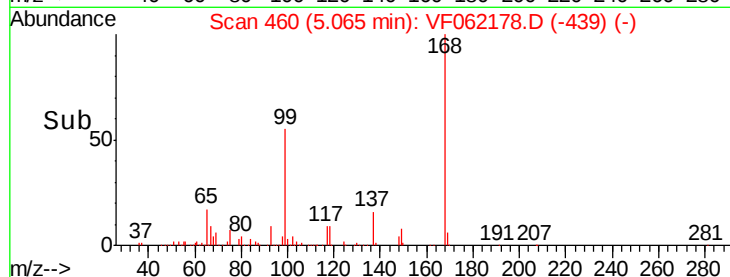
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50000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 22.645 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062178.D

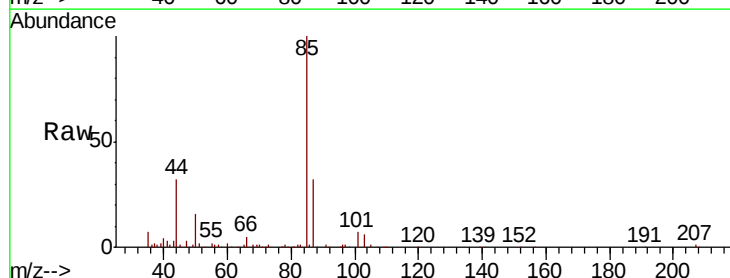
Acq: 16 Apr 2019 16:17

Tgt Ion: 85 Resp: 133049

Ion Ratio Lower Upper

85 100

87 32.1 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

40000

30000

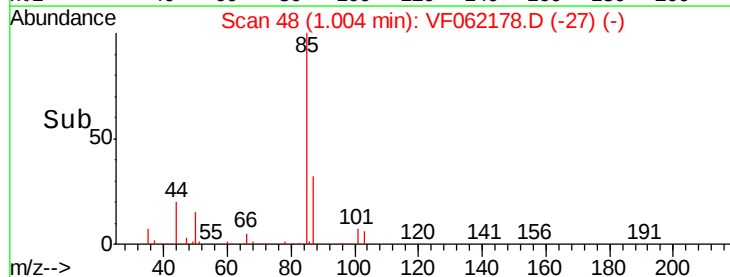
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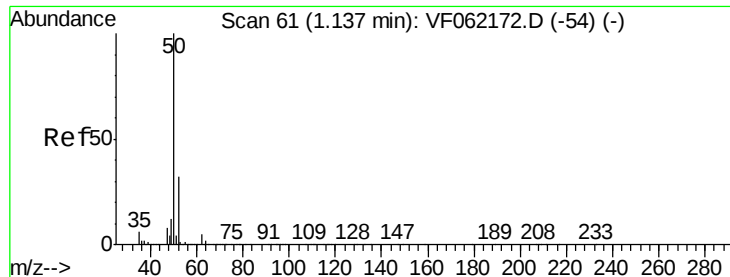
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0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 22.220 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

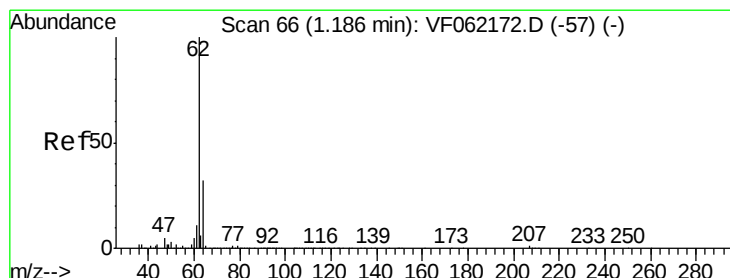
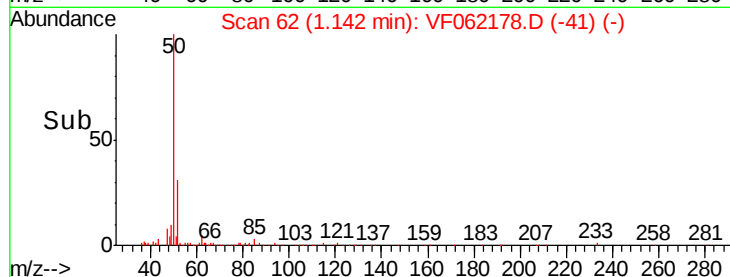
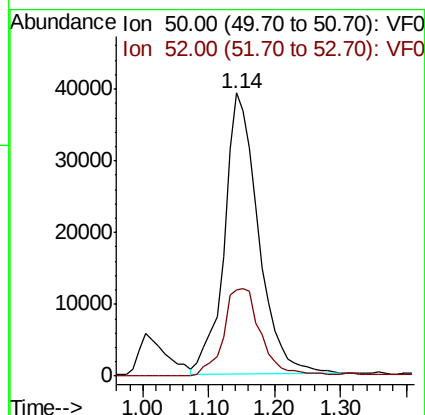
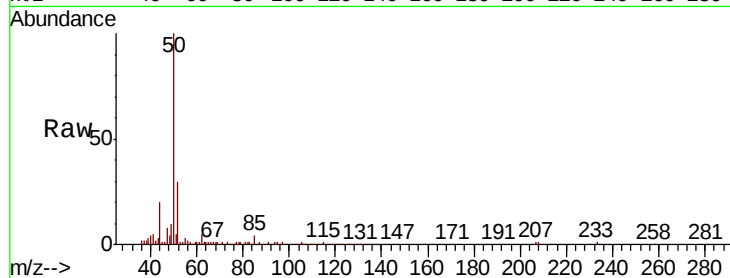
VF0416SBS01

Tot Ion: 50 Resp: 140504

Ion Ratio Lower Upper

50 100

52 30.4 25.4 38.2



#4

Vinyl Chloride

Concen: 22.832 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062178.D

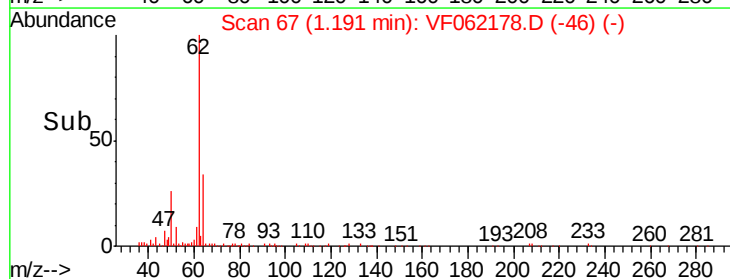
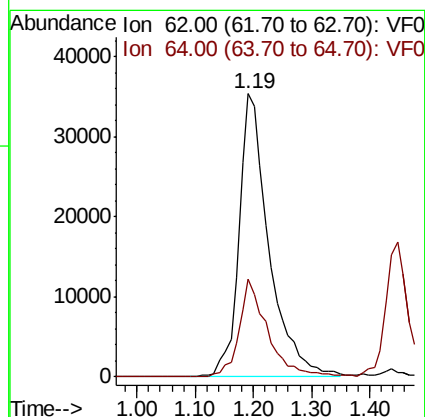
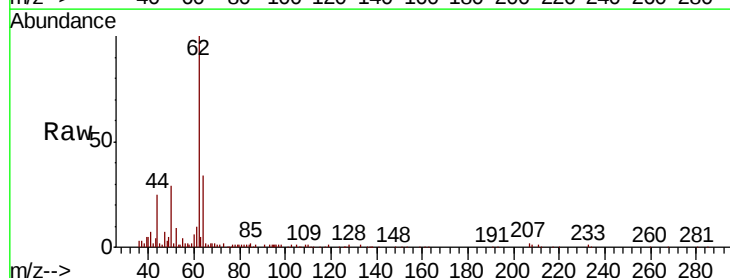
Acq: 16 Apr 2019 16:17

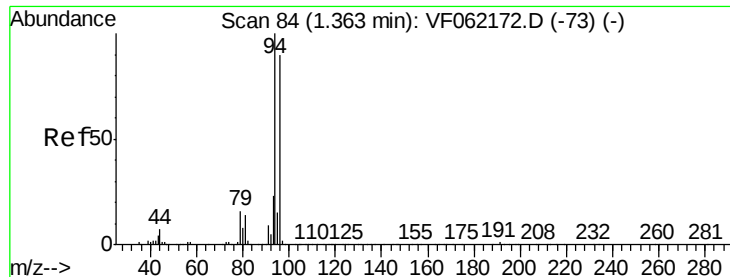
Tgt Ion: 62 Resp: 126314

Ion Ratio Lower Upper

62 100

64 34.4 25.4 38.0





#5

Bromomethane

Concen: 17.479 ug/l

RT: 1.37 min Scan# 85

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

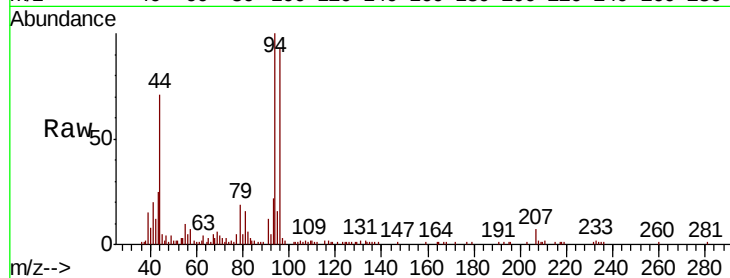
VF0416SBS01

Tot Ion: 94 Resp: 62185

Ion Ratio Lower Upper

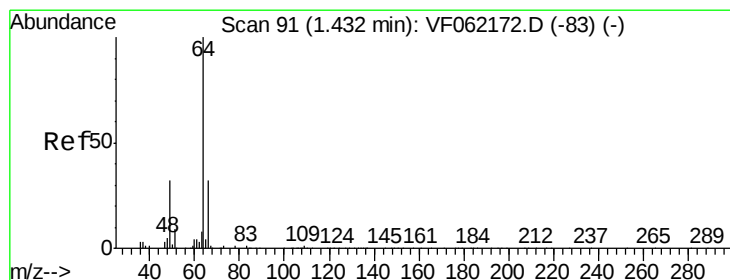
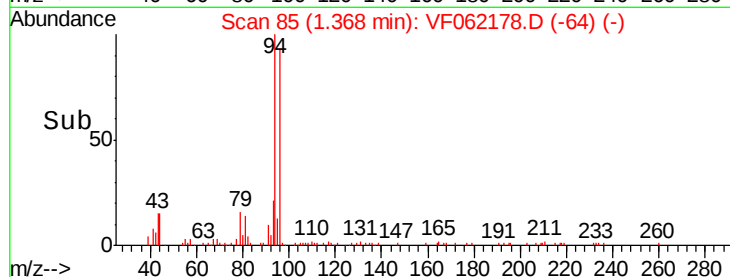
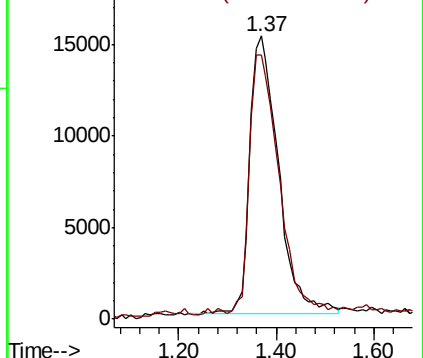
94 100

96 93.2 72.3 108.5



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 17.255 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062178.D

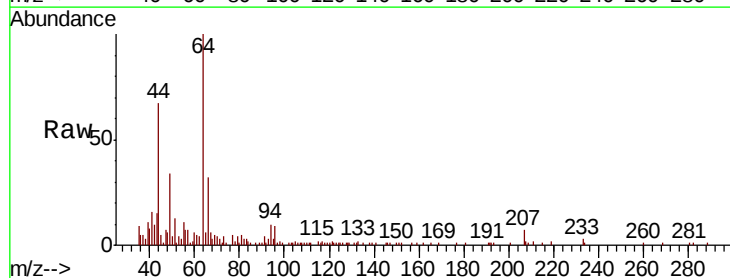
Acq: 16 Apr 2019 16:17

Tgt Ion: 64 Resp: 45197

Ion Ratio Lower Upper

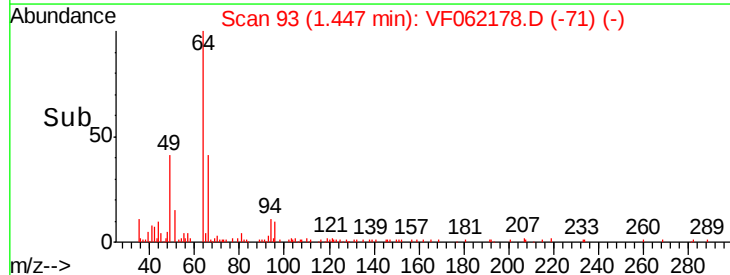
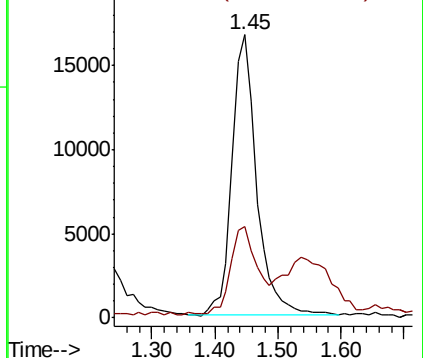
64 100

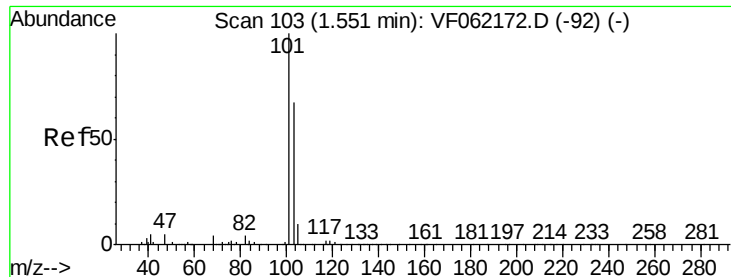
66 32.4 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



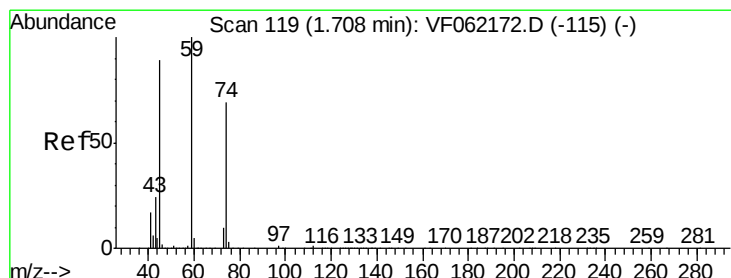
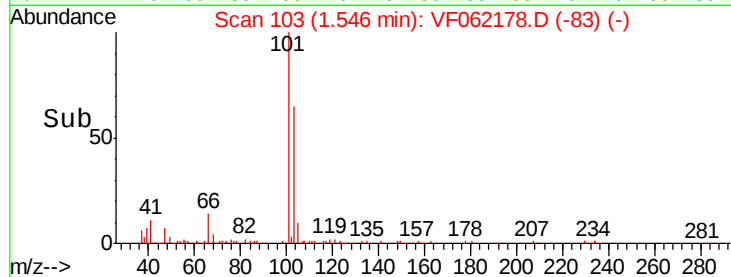
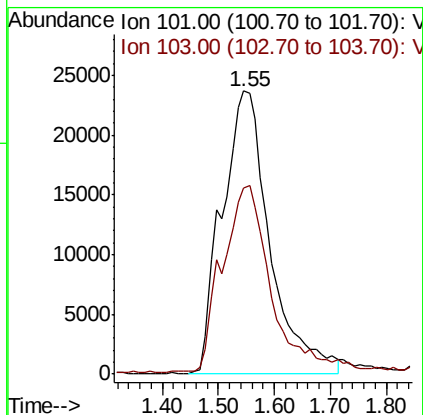
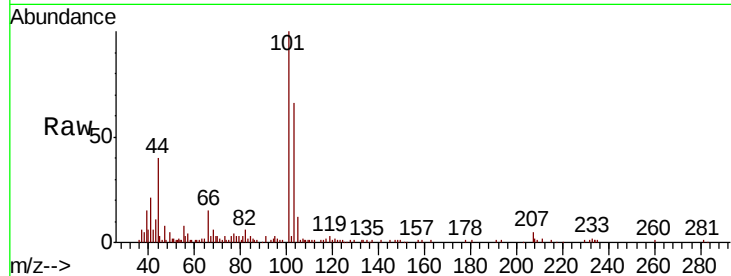


#7

Trichlorofluoromethane  
 Concen: 21.381 ug/l  
 RT: 1.55 min Scan# 103  
 Delta R.T. -0.00 min  
 Lab File: VF062178.D  
 Acq: 16 Apr 2019 16:17

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0416SBS01

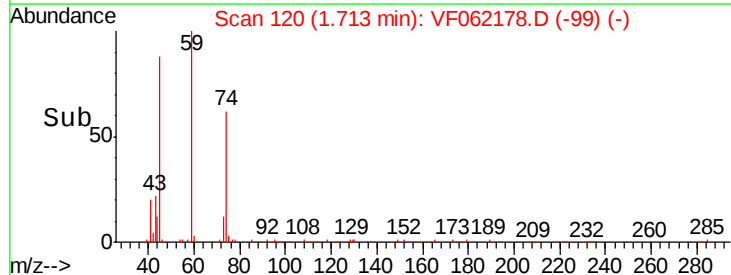
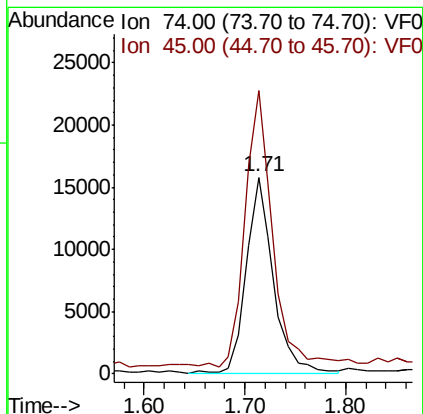
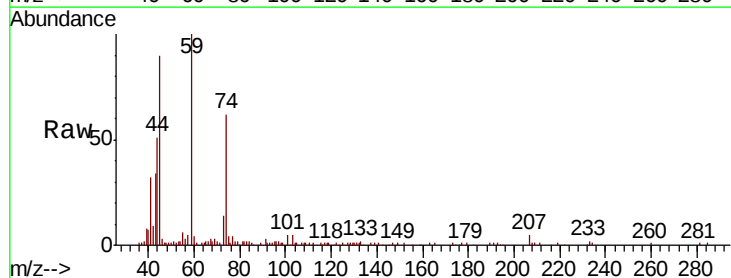
Tot Ion: 101 Resp: 141472  
 Ion Ratio Lower Upper  
 101 100  
 103 66.0 53.7 80.5

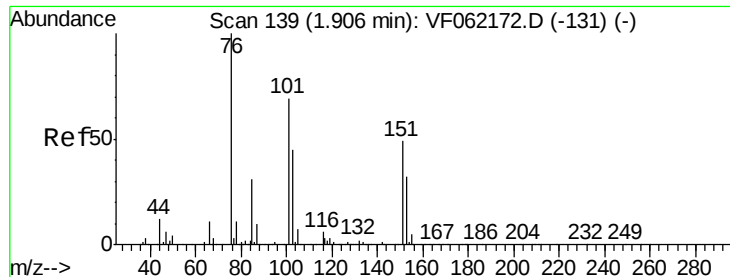


#8

Diethyl Ether  
 Concen: 22.410 ug/l  
 RT: 1.71 min Scan# 120  
 Delta R.T. 0.00 min  
 Lab File: VF062178.D  
 Acq: 16 Apr 2019 16:17

Tgt Ion: 74 Resp: 29933  
 Ion Ratio Lower Upper  
 74 100  
 45 144.2 64.7 194.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.233 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

VF0416SBS01

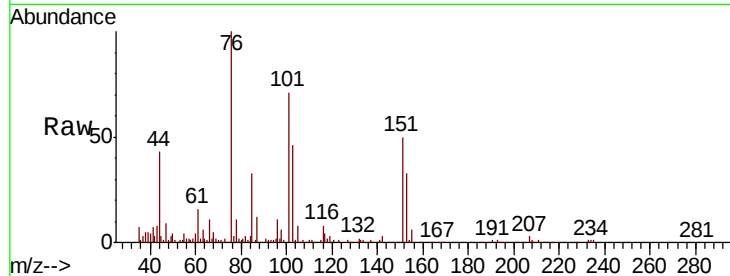
Tot Ion:101 Resp: 100405

Ion Ratio Lower Upper

101 100

85 45.8 35.2 52.8

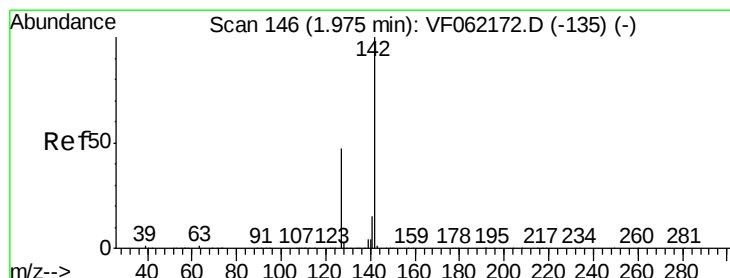
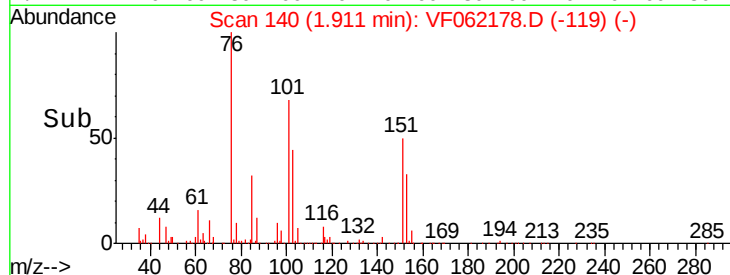
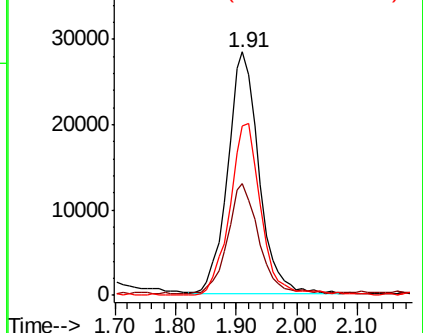
151 69.8 56.6 85.0



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: 22.170 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

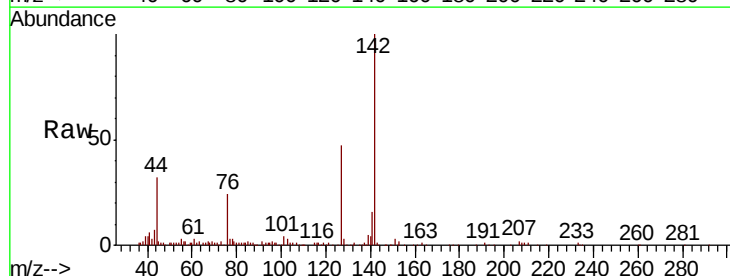
Tgt Ion:142 Resp: 178354

Ion Ratio Lower Upper

142 100

127 46.5 37.8 56.6

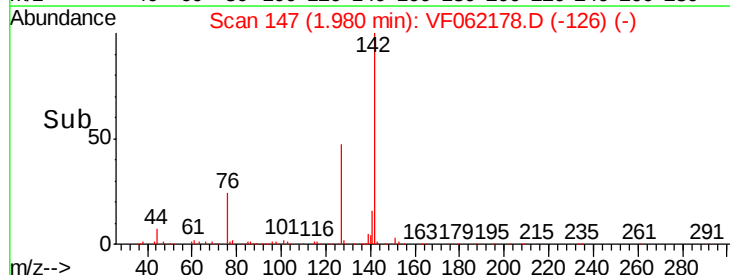
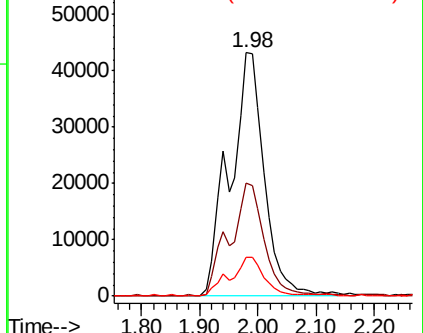
141 16.0 12.1 18.1

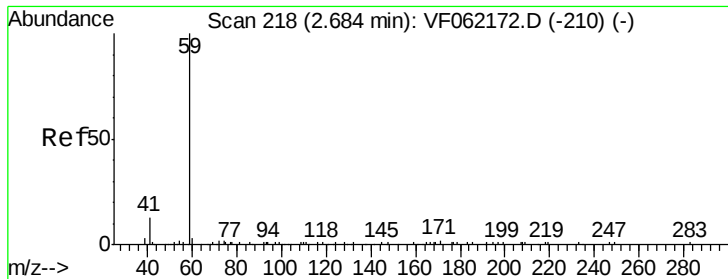


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



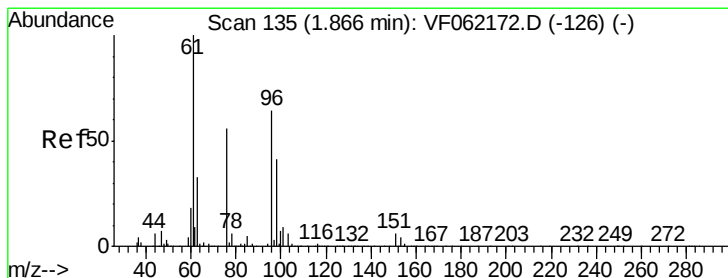
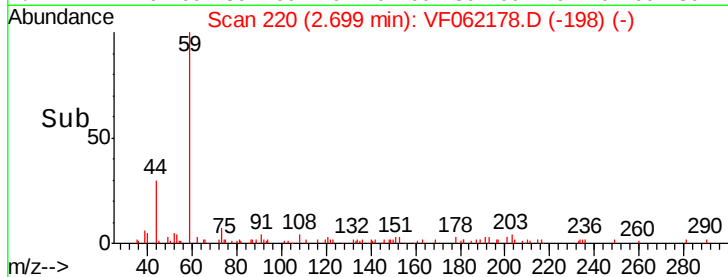
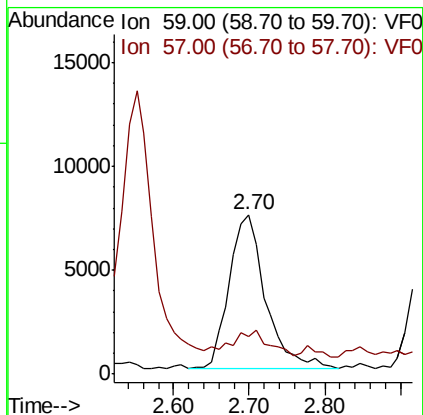
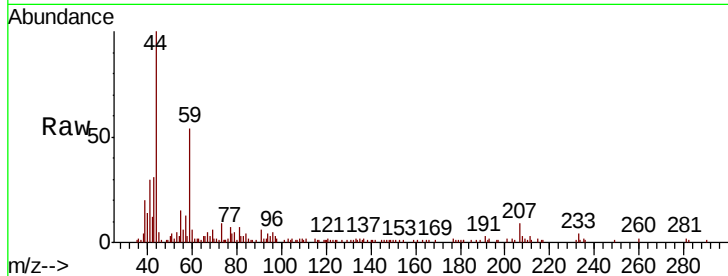


#11

Tert butyl alcohol  
 Concen: 123.893 ug/l  
 RT: 2.70 min Scan# 220  
 Delta R.T. 0.01 min  
 Lab File: VF062178.D  
 Acq: 16 Apr 2019 16:17

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0416SBS01

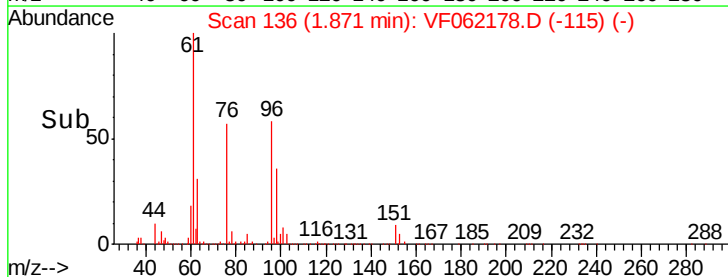
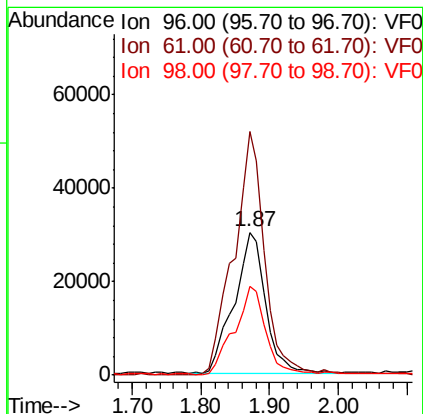
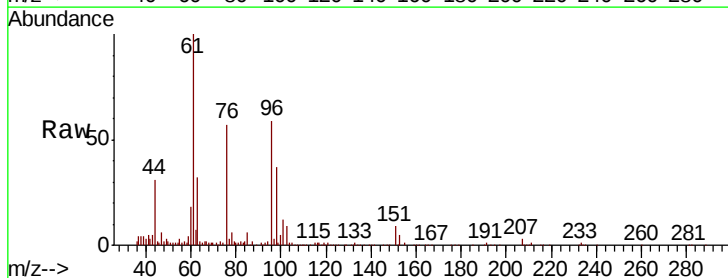
Tot Ion: 59 Resp: 24765  
 Ion Ratio Lower Upper  
 59 100  
 57 23.8 14.2 21.4#

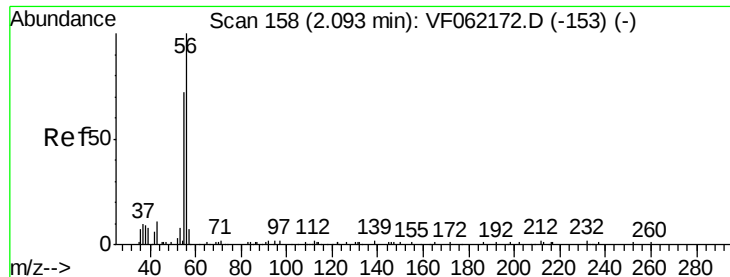


#12

1,1-Dichloroethene  
 Concen: 21.731 ug/l  
 RT: 1.87 min Scan# 136  
 Delta R.T. 0.00 min  
 Lab File: VF062178.D  
 Acq: 16 Apr 2019 16:17

Tgt Ion: 96 Resp: 95511  
 Ion Ratio Lower Upper  
 96 100  
 61 170.4 124.6 187.0  
 98 62.5 51.5 77.3





#13

Acrolein

Concen: 128.085 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.01 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

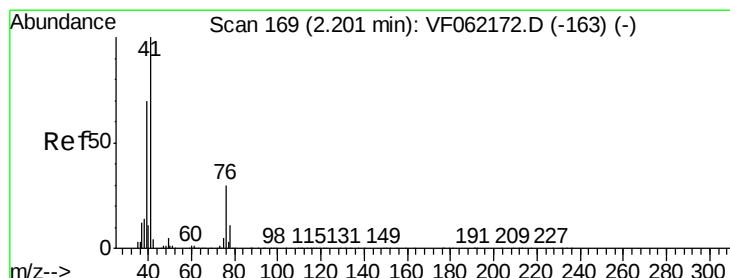
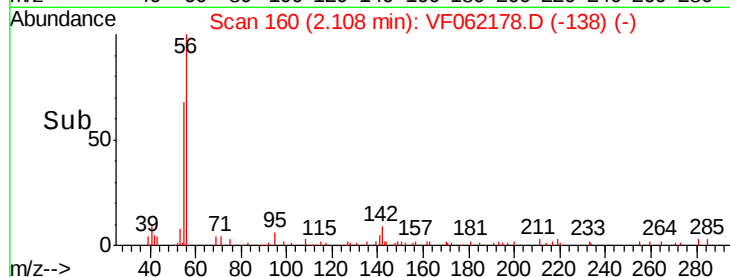
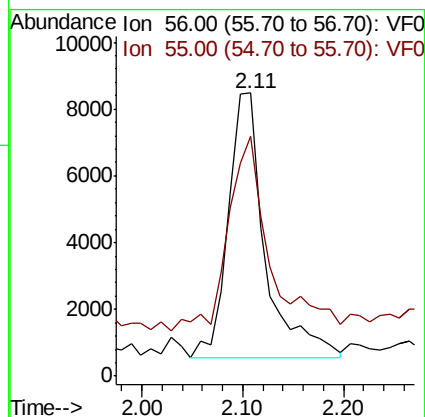
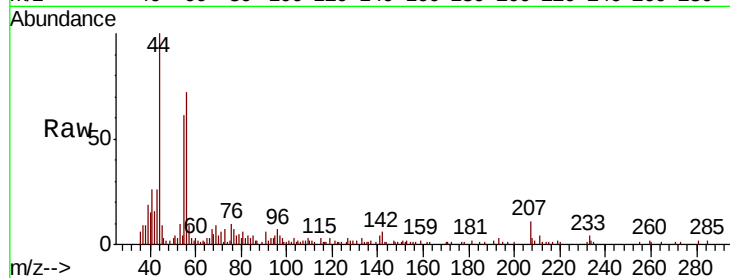
VF0416SBS01

Tot Ion: 56 Resp: 20168

Ion Ratio Lower Upper

56 100

55 84.7 62.9 94.3



#14

Allyl chloride

Concen: 24.520 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

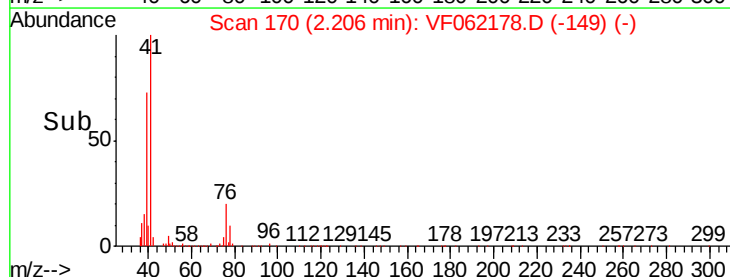
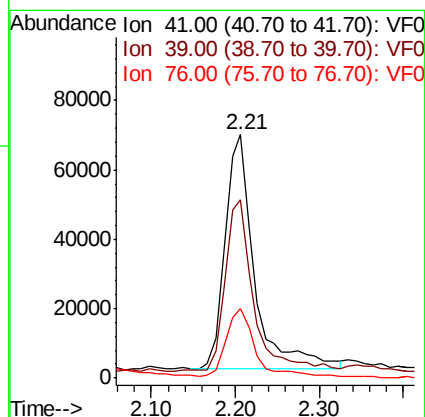
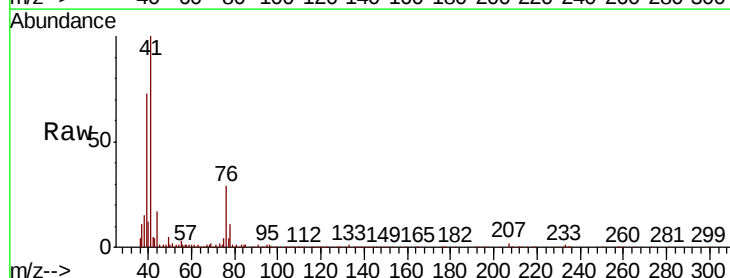
Tgt Ion: 41 Resp: 162267

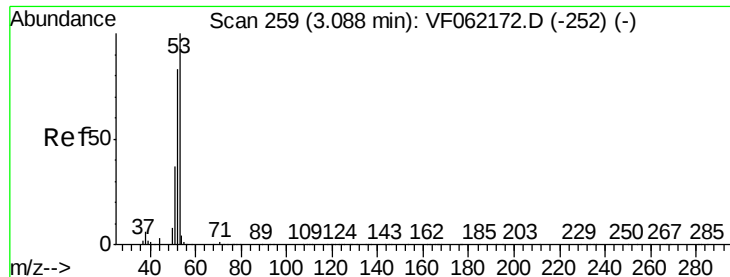
Ion Ratio Lower Upper

41 100

39 73.4 56.1 84.1

76 28.8 24.9 37.3





#15

Acrylonitrile

Concen: 123.473 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

VF0416SBS01

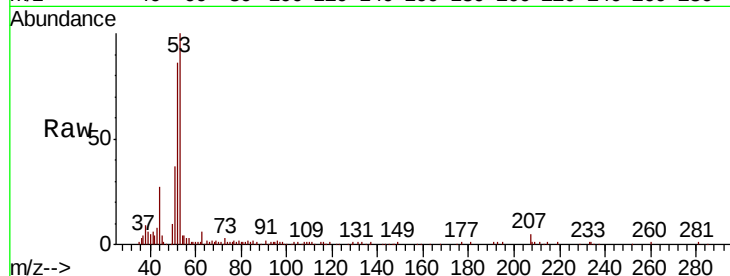
Tot Ion: 53 Resp: 91708

Ion Ratio Lower Upper

53 100

52 86.0 66.6 99.8

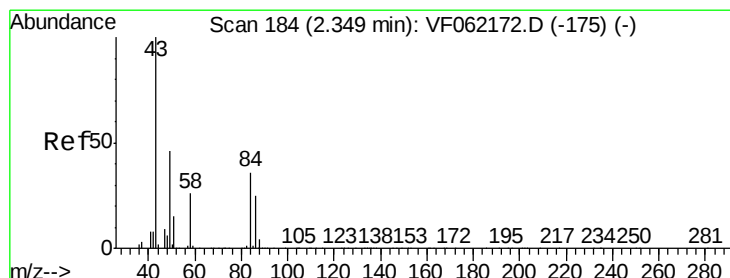
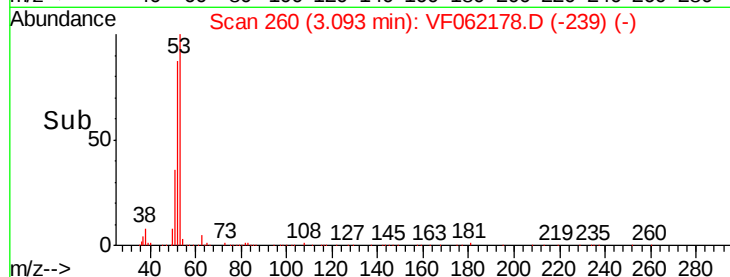
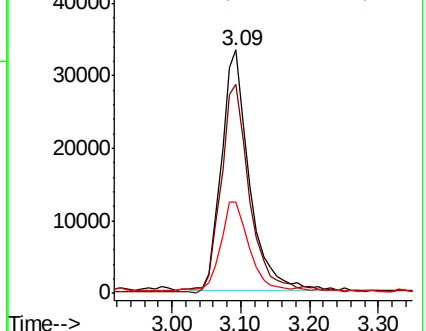
51 37.3 30.1 45.1



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: 112.622 ug/l

RT: 2.34 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062178.D

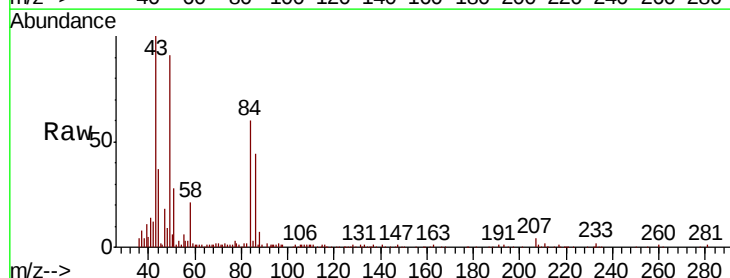
Acq: 16 Apr 2019 16:17

Tgt Ion: 43 Resp: 91571

Ion Ratio Lower Upper

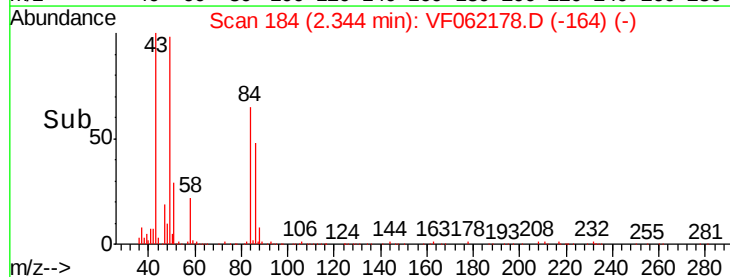
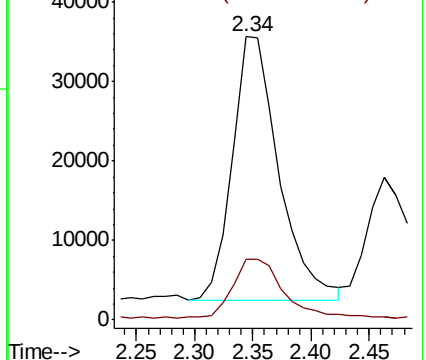
43 100

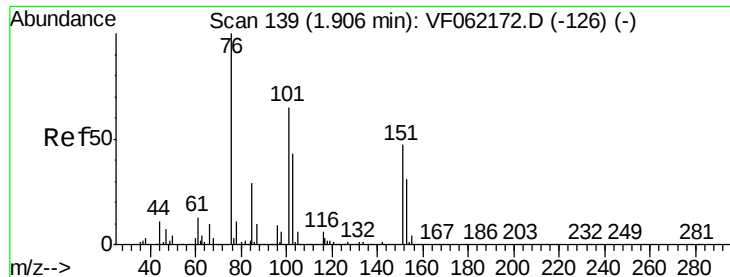
58 21.4 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 21.898 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

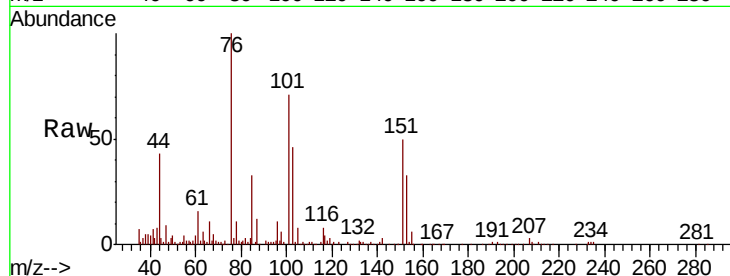
VF0416SBS01

Tot Ion: 76 Resp: 272638

Ion Ratio Lower Upper

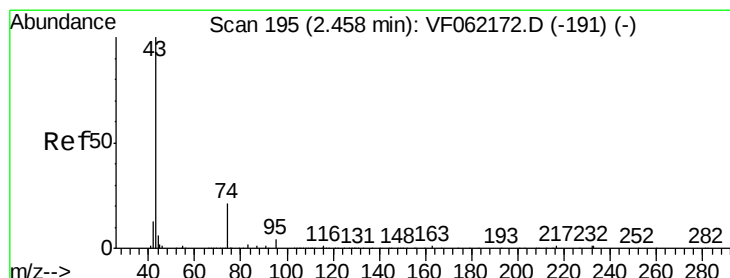
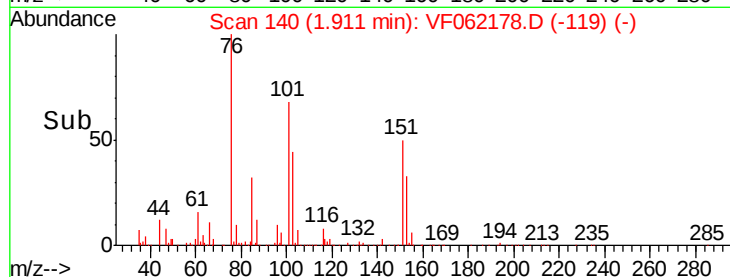
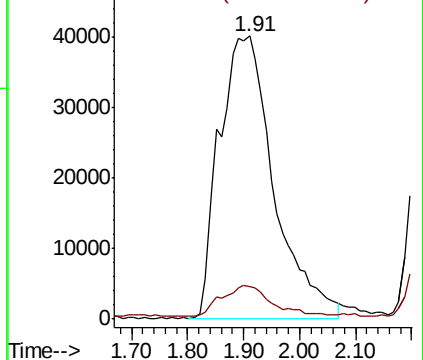
76 100

78 11.4 9.1 13.7



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 19.006 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF062178.D

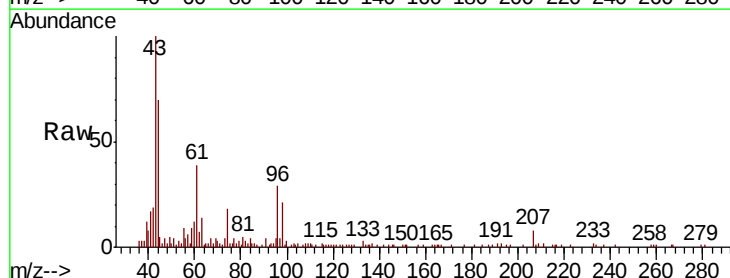
Acq: 16 Apr 2019 16:17

Tgt Ion: 43 Resp: 39395

Ion Ratio Lower Upper

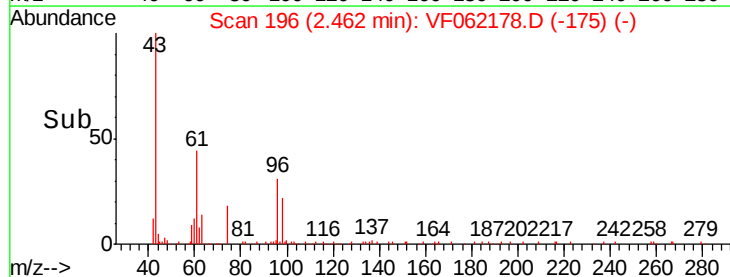
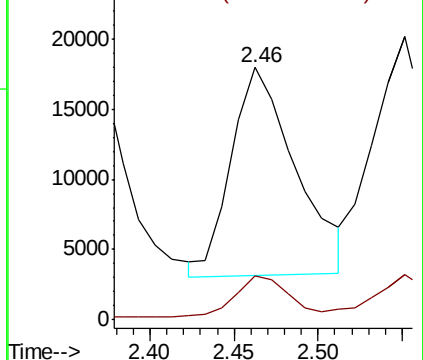
43 100

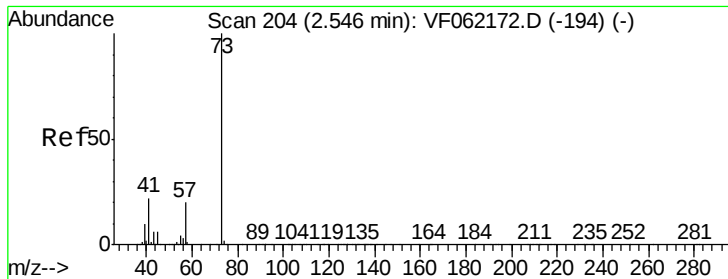
74 17.5 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



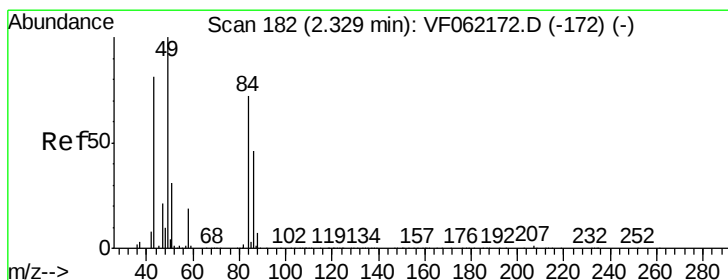
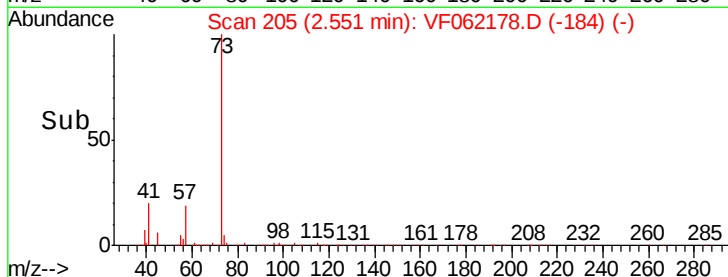
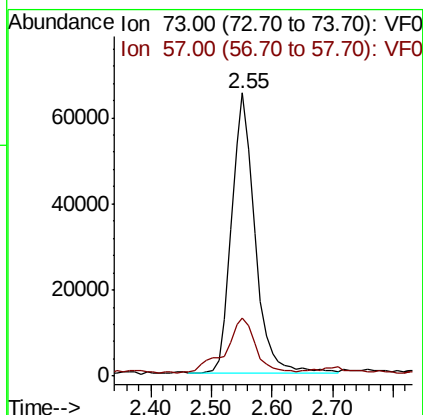
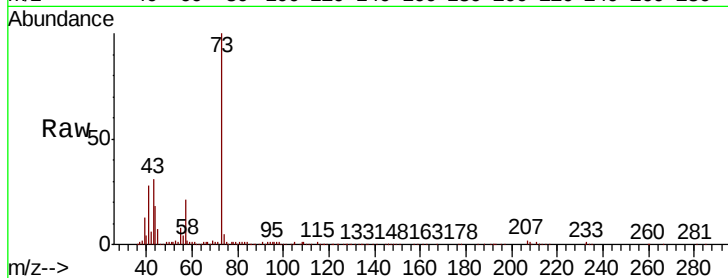


#19

Methyl tert-butyl Ether  
 Concen: 23.801 ug/l  
 RT: 2.55 min Scan# 205  
 Delta R.T. 0.00 min  
 Lab File: VF062178.D  
 Acq: 16 Apr 2019 16:17

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0416SBS01

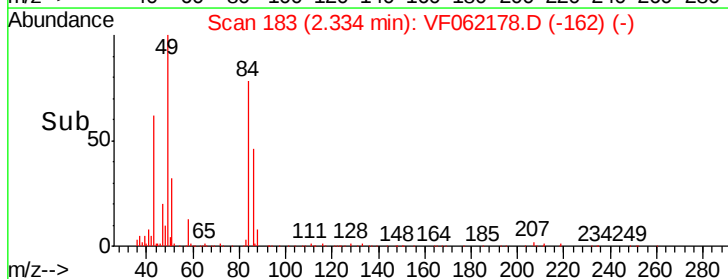
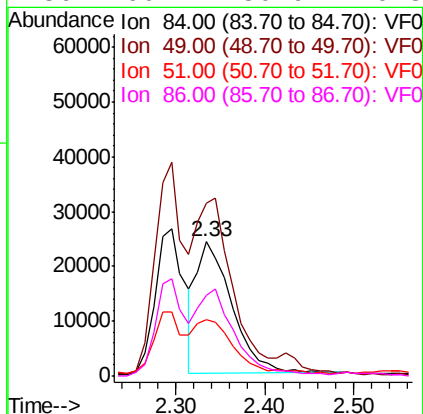
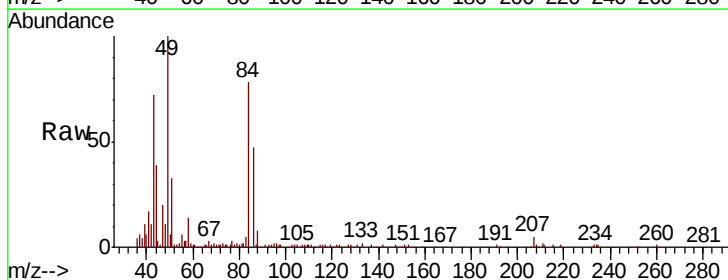
Tot Ion: 73 Resp: 173998  
 Ion Ratio Lower Upper  
 73 100  
 57 20.7 16.8 25.2

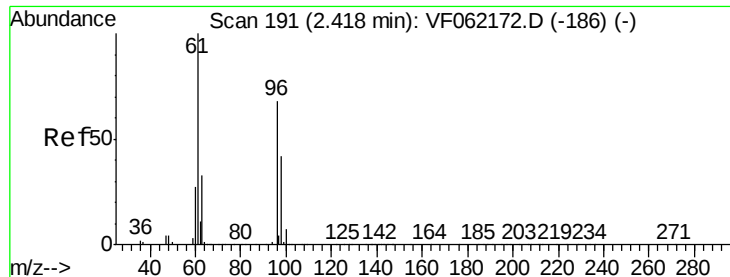


#20

Methylene Chloride  
 Concen: 12.836 ug/l  
 RT: 2.33 min Scan# 183  
 Delta R.T. 0.01 min  
 Lab File: VF062178.D  
 Acq: 16 Apr 2019 16:17

Tgt Ion: 84 Resp: 66141  
 Ion Ratio Lower Upper  
 84 100  
 49 128.8 111.5 167.3  
 51 42.4 34.9 52.3  
 86 60.2 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 21.814 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

VF0416SBS01

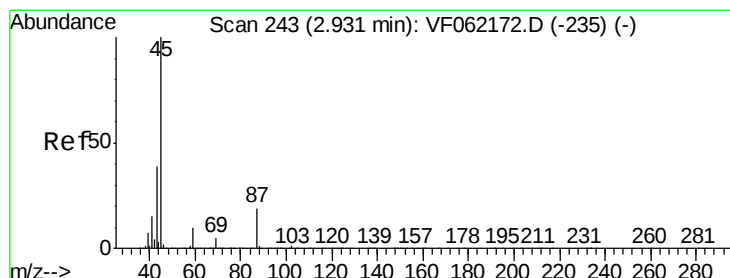
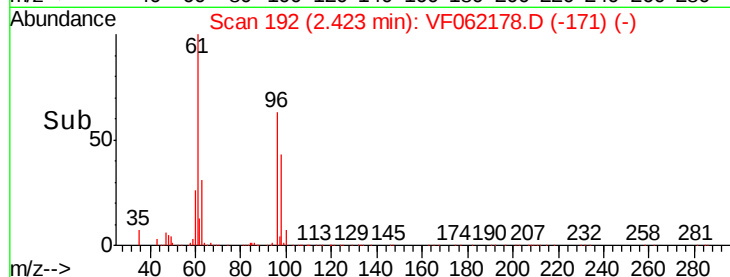
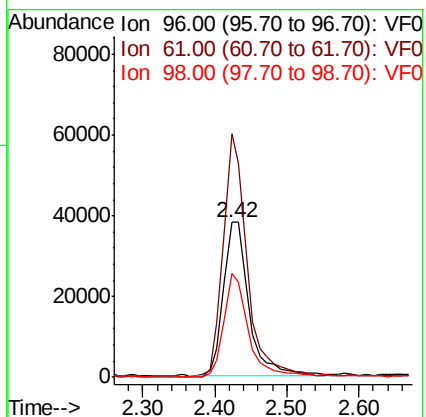
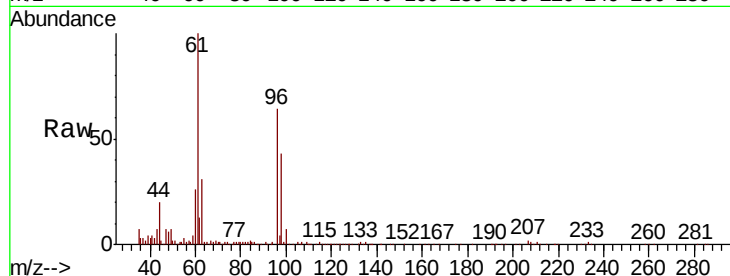
Tot Ion: 96 Resp: 91730

Ion Ratio Lower Upper

96 100

61 157.2 117.4 176.2

98 67.4 49.8 74.8



#22

Diisopropyl ether

Concen: 23.023 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.01 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Tgt Ion: 45 Resp: 283221

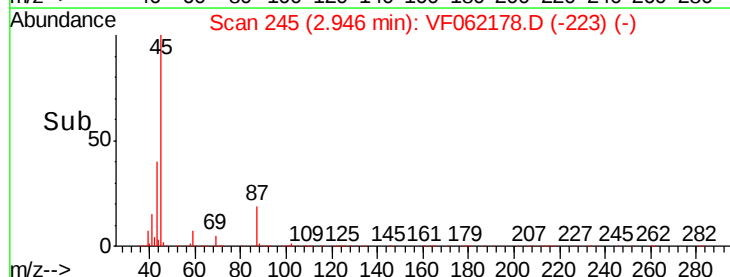
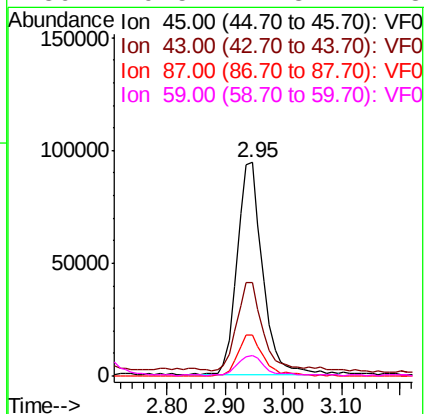
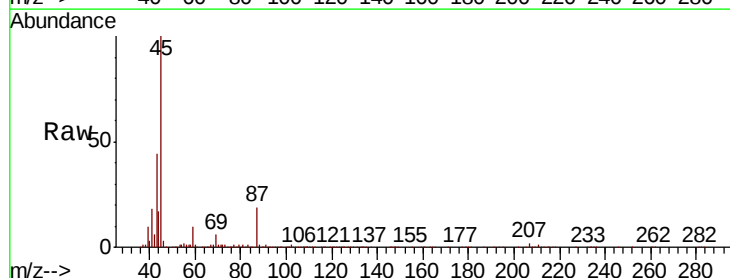
Ion Ratio Lower Upper

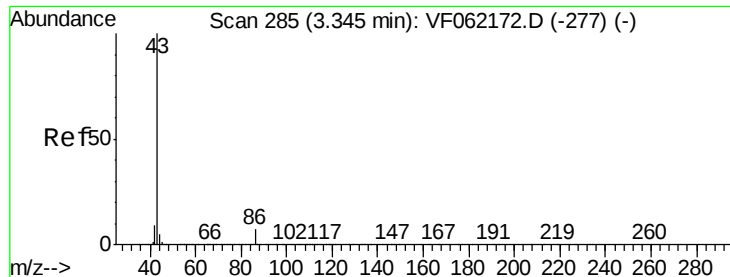
45 100

43 43.6 32.5 48.7

87 19.3 14.9 22.3

59 9.5 7.8 11.8





#23

Vinyl Acetate

Concen: 100.429 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

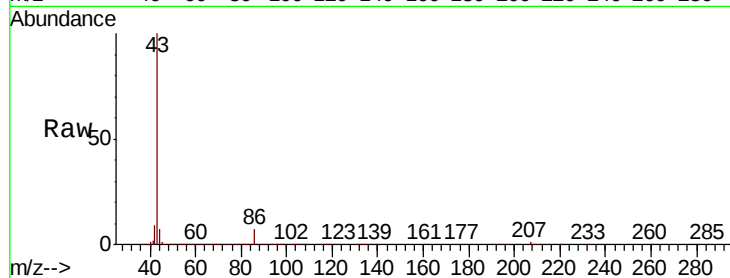
VF0416SBS01

Tot Ion: 43 Resp: 616256

Ion Ratio Lower Upper

43 100

86 7.0 5.9 8.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

250000

200000

150000

100000

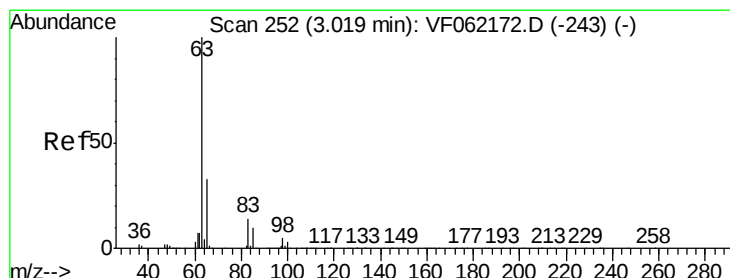
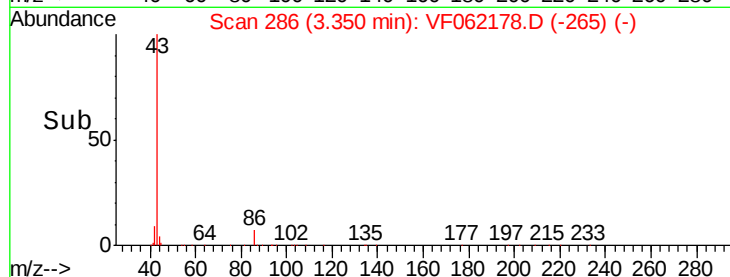
50000

0

3.35

3.20 3.30 3.40 3.50 3.60

Time-->



#24

1,1-Dichloroethane

Concen: 22.410 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

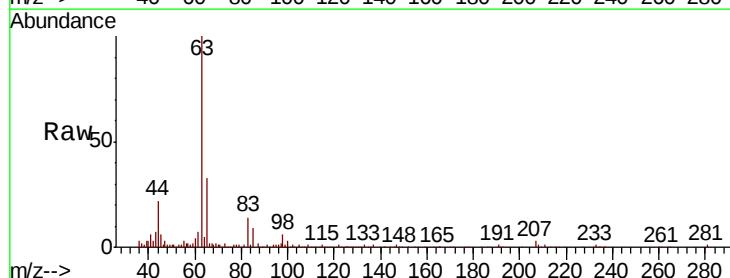
Tgt Ion: 63 Resp: 153514

Ion Ratio Lower Upper

63 100

98 6.3 2.6 8.0

100 3.2 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

80000

60000

40000

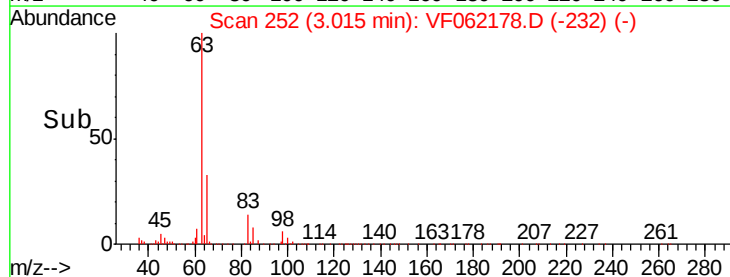
20000

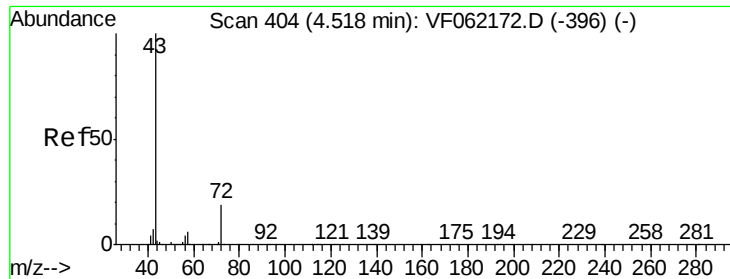
0

3.01

2.90 3.00 3.10 3.20

Time-->





#25

2-Butanone

Concen: 96.134 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

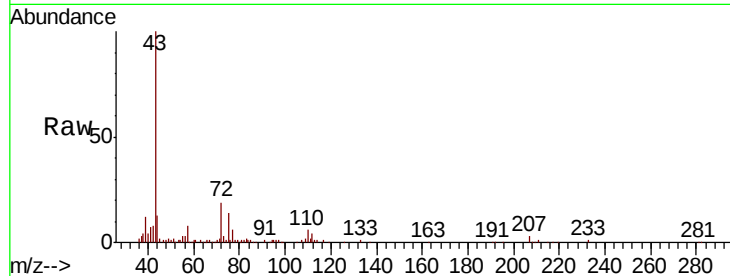
VF0416SBS01

Tot Ion: 43 Resp: 167907

Ion Ratio Lower Upper

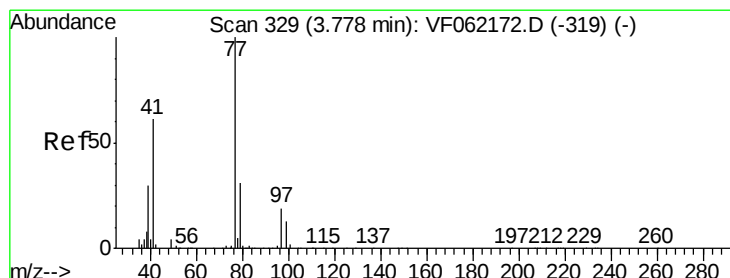
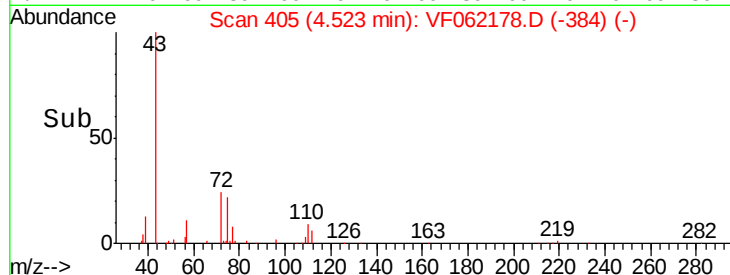
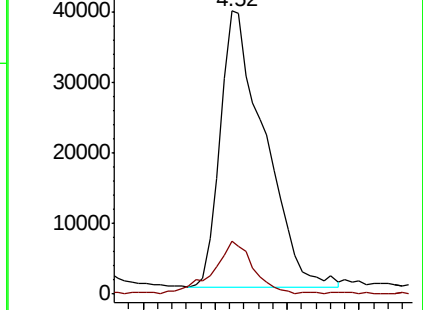
43 100

72 18.8 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 24.879 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062178.D

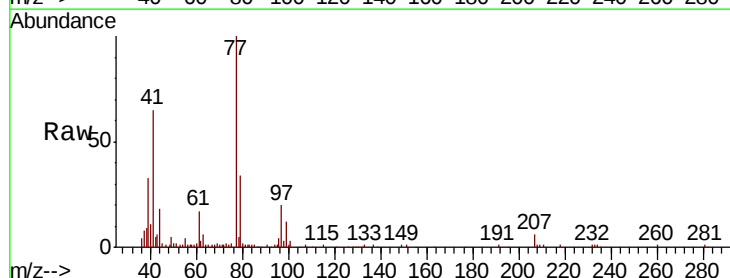
Acq: 16 Apr 2019 16:17

Tgt Ion: 77 Resp: 89642

Ion Ratio Lower Upper

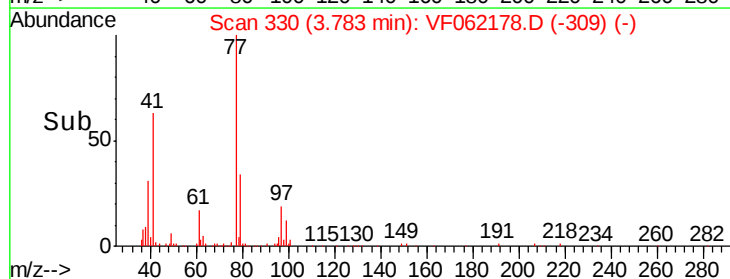
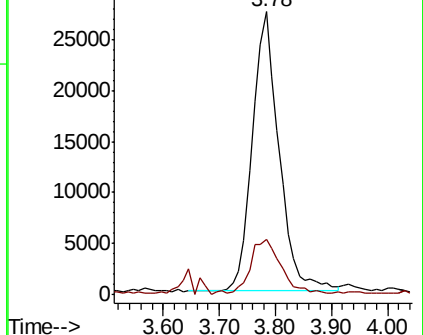
77 100

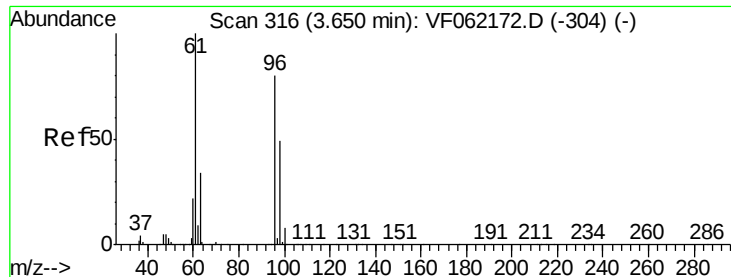
97 19.6 10.3 30.9



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



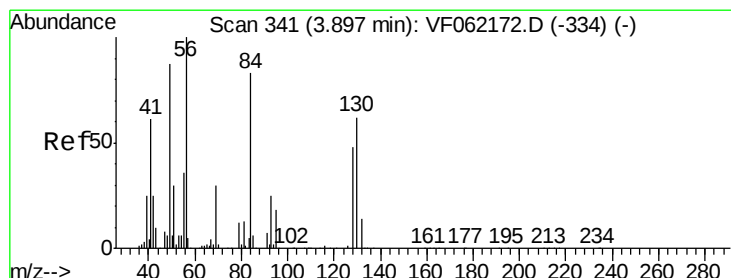
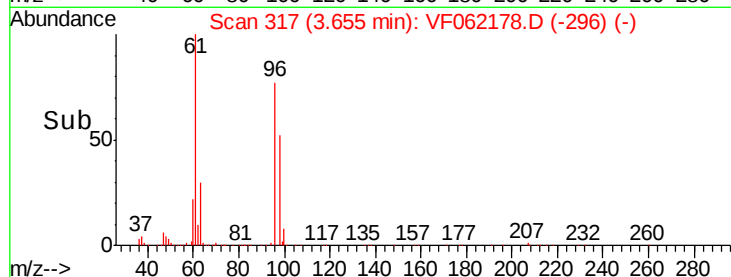
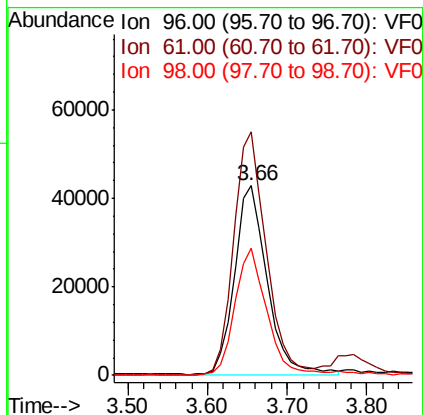
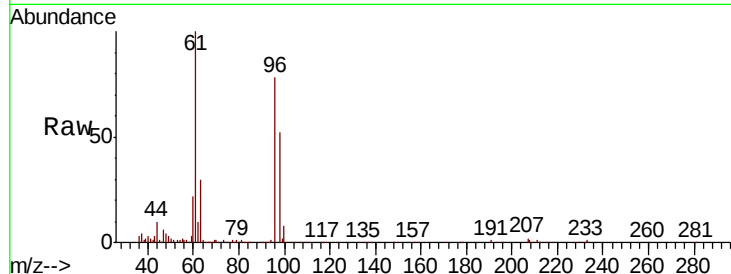


#27

cis-1,2-Dichloroethene  
 Concen: 21.600 ug/l  
 RT: 3.66 min Scan# 317  
 Delta R.T. 0.00 min  
 Lab File: VF062178.D  
 Acq: 16 Apr 2019 16:17

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0416SBS01

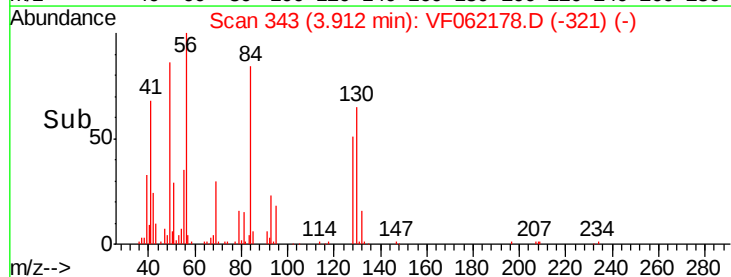
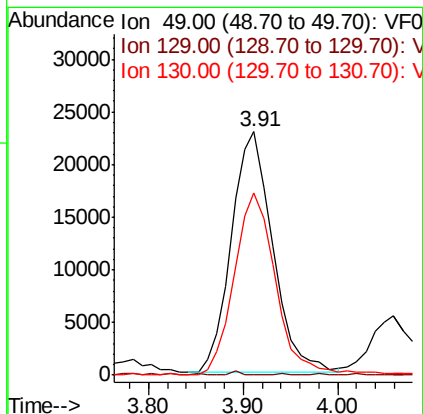
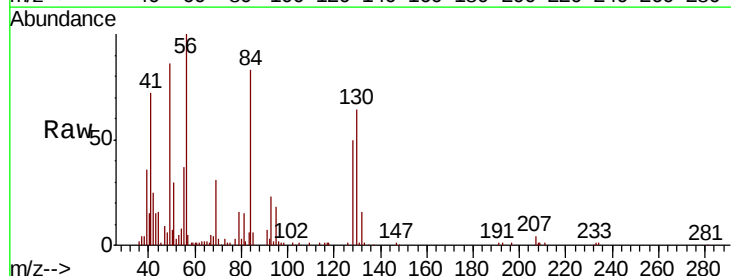
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 128.5 | 0.0   | 248.2 |
| 98      | 67.2  | 0.0   | 122.4 |

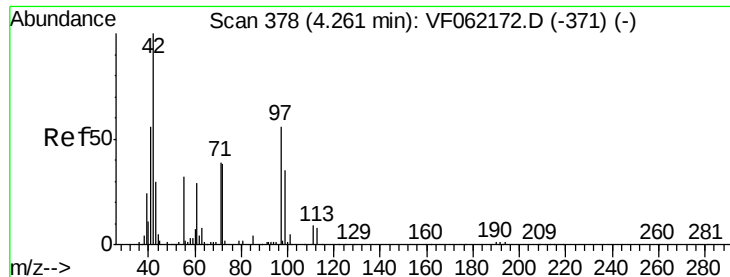


#28

Bromochloromethane  
 Concen: 21.217 ug/l  
 RT: 3.91 min Scan# 343  
 Delta R.T. 0.01 min  
 Lab File: VF062178.D  
 Acq: 16 Apr 2019 16:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.0   | 0.0   | 0.0   |
| 130     | 74.7  | 56.5  | 84.7  |





#29

Tetrahydrofuran

Concen: 100.461 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

VF0416SBS01

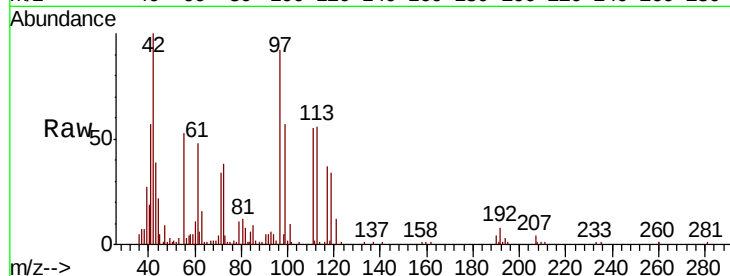
Tot Ion: 42 Resp: 78041

Ion Ratio Lower Upper

42 100

72 35.8 28.7 43.1

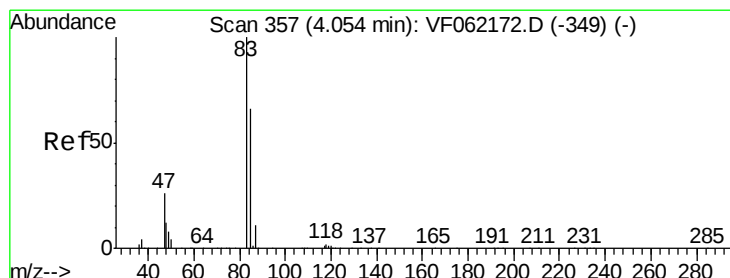
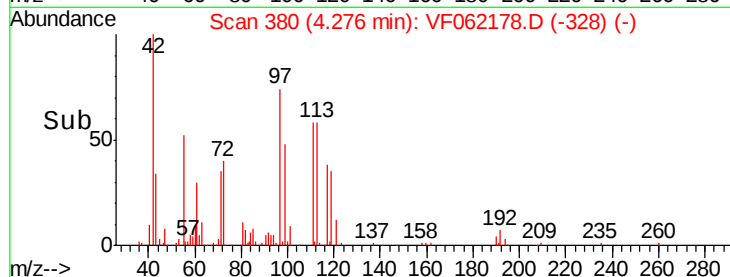
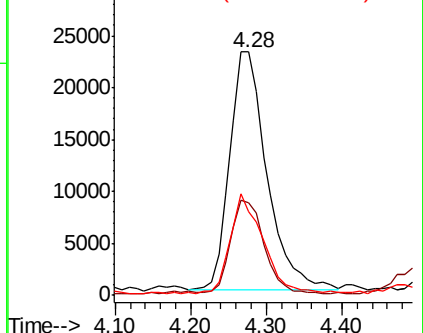
71 38.0 30.8 46.2



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



#30

Chloroform

Concen: 21.448 ug/l

RT: 4.06 min Scan# 358

Delta R.T. 0.00 min

Lab File: VF062178.D

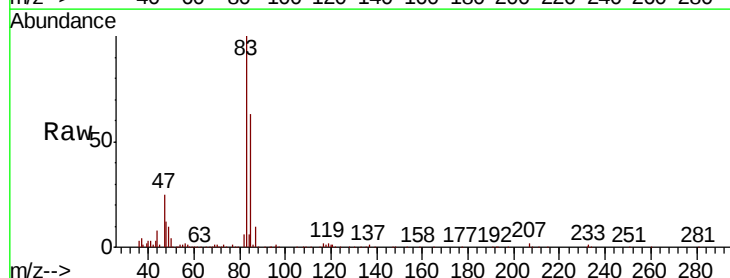
Acq: 16 Apr 2019 16:17

Tgt Ion: 83 Resp: 182661

Ion Ratio Lower Upper

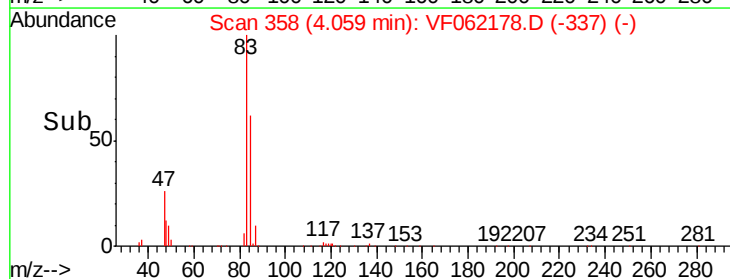
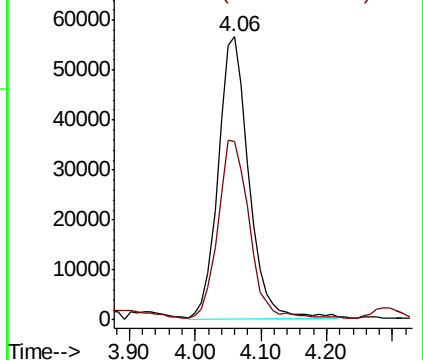
83 100

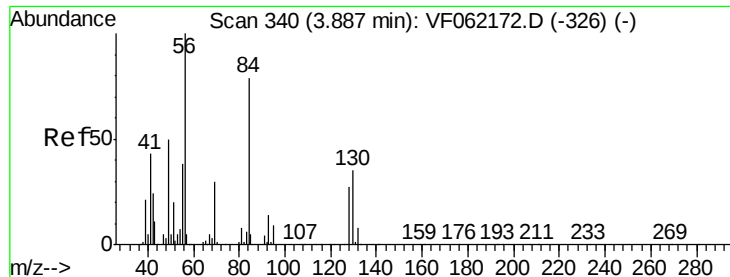
85 62.9 53.5 80.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

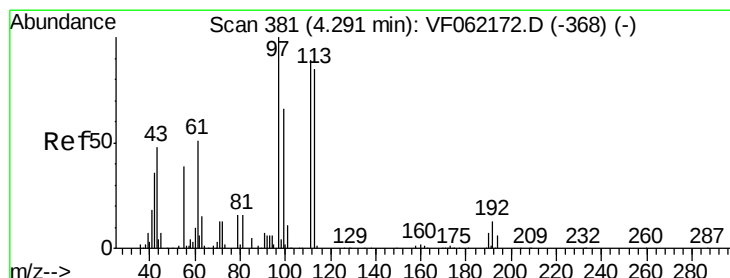
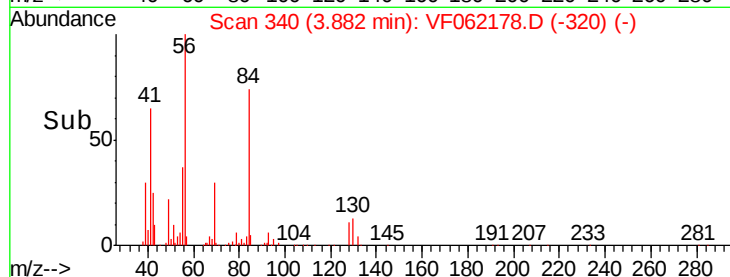
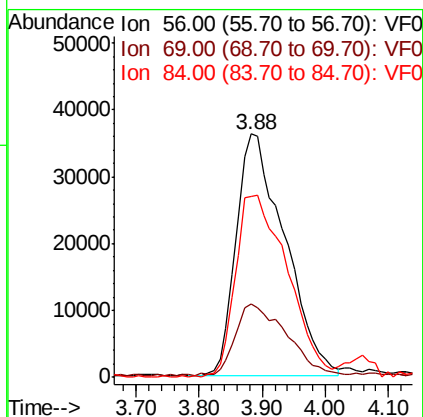
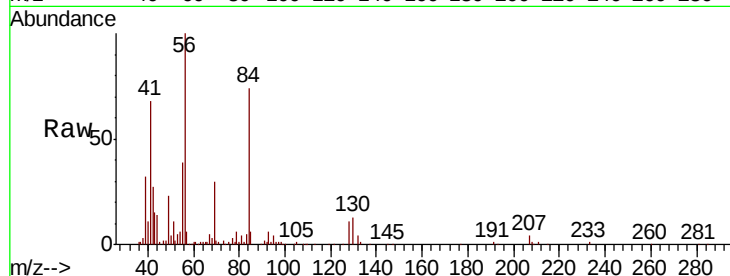




#31  
Cyclohexane  
Concen: 21.725 ug/l  
RT: 3.88 min Scan# 340  
Delta R.T. -0.00 min  
Lab File: VF062178.D  
Acq: 16 Apr 2019 16:17

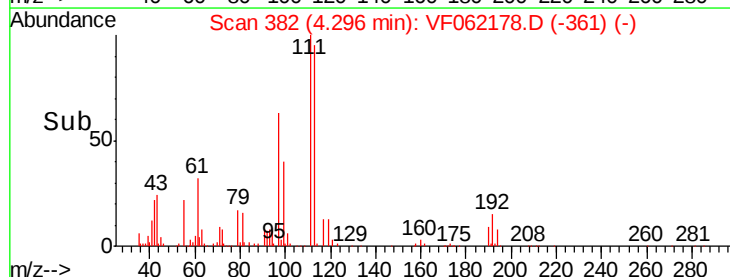
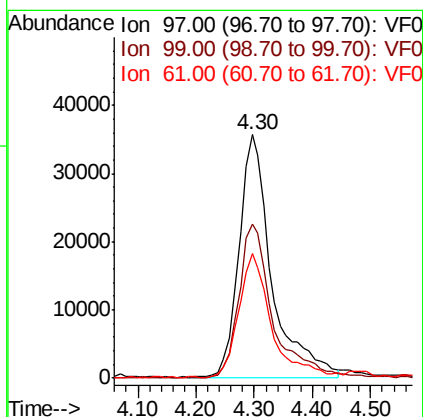
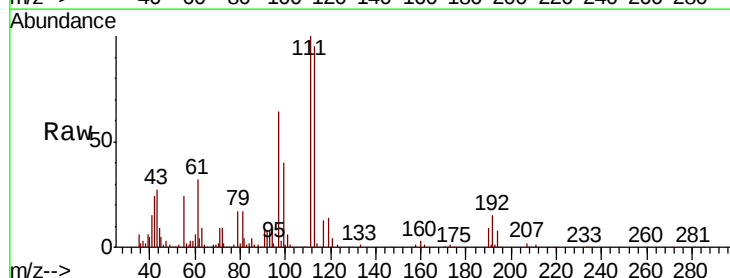
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0416SBS01

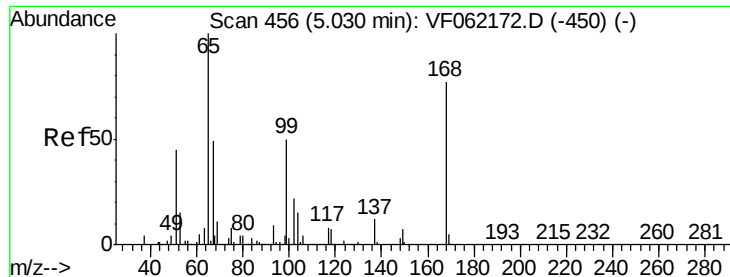
| Tot Ion | 56    | Resp  | 192275 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 56      | 100   |       |        |
| 69      | 30.1  | 24.4  | 36.6   |
| 84      | 74.1  | 63.4  | 95.2   |



#32  
1,1,1-Trichloroethane  
Concen: 24.062 ug/l  
RT: 4.30 min Scan# 382  
Delta R.T. 0.00 min  
Lab File: VF062178.D  
Acq: 16 Apr 2019 16:17

| Tgt Ion | 97    | Resp  | 139738 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 97      | 100   |       |        |
| 99      | 63.4  | 52.3  | 78.5   |
| 61      | 50.9  | 40.9  | 61.3   |

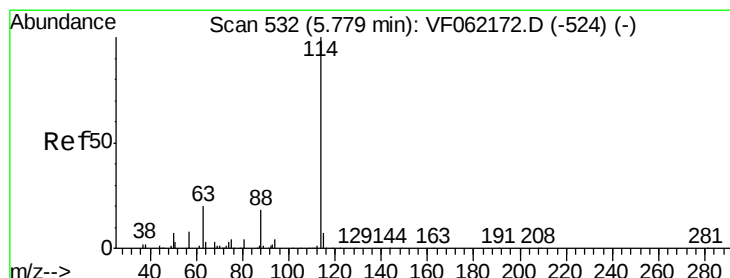
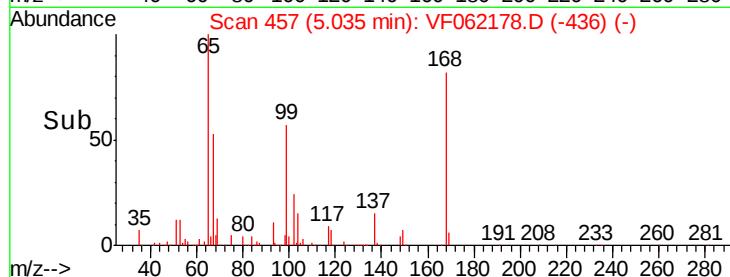
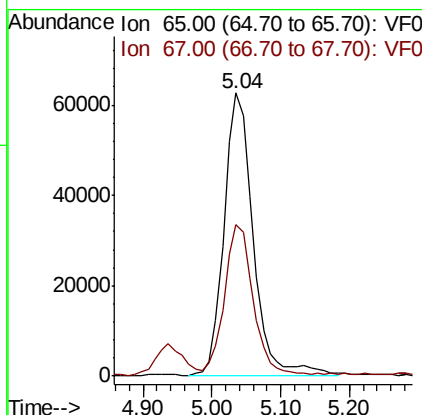
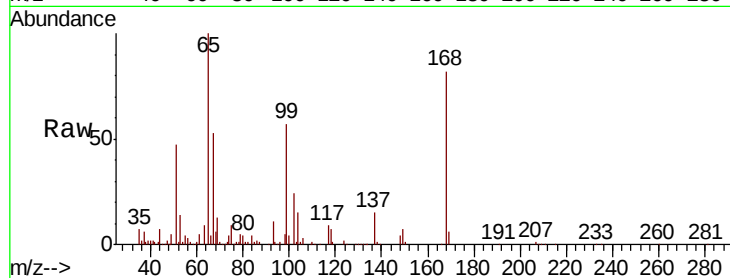




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.556 ug/l  
 RT: 5.04 min Scan# 457  
 Delta R.T. 0.00 min  
 Lab File: VF062178.D  
 Acq: 16 Apr 2019 16:17

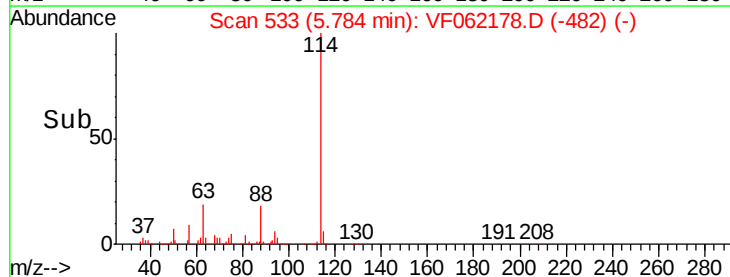
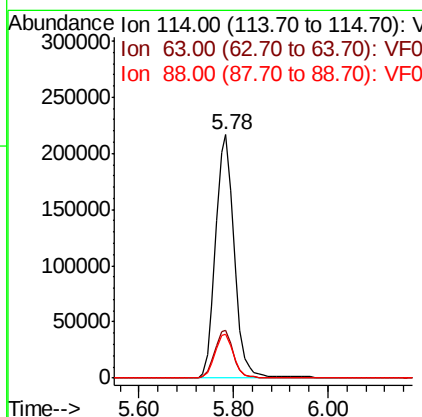
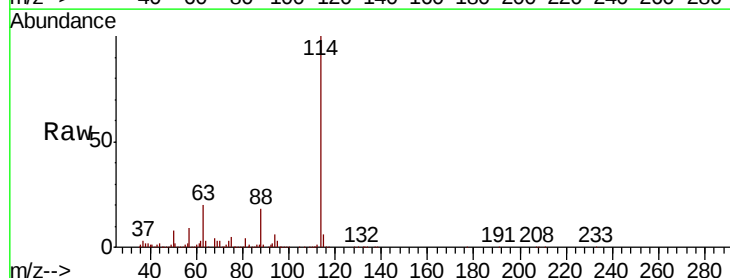
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0416SBS01

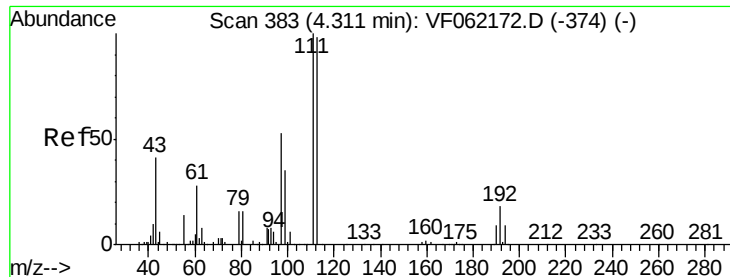
Tot Ion: 65 Resp: 182309  
 Ion Ratio Lower Upper  
 65 100  
 67 53.5 0.0 107.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.78 min Scan# 533  
 Delta R.T. 0.00 min  
 Lab File: VF062178.D  
 Acq: 16 Apr 2019 16:17

Tgt Ion: 114 Resp: 596114  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 40.0  
 88 17.9 0.0 36.6





#35

Dibromofluoromethane

Concen: 51.870 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

VF0416SBS01

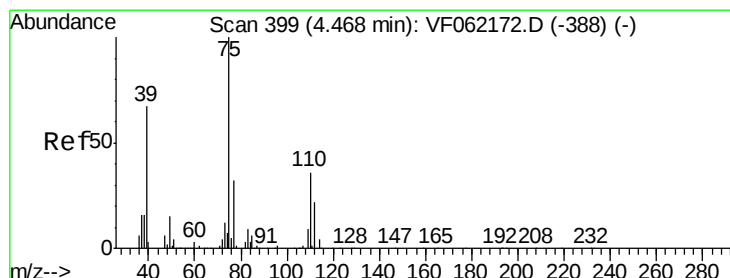
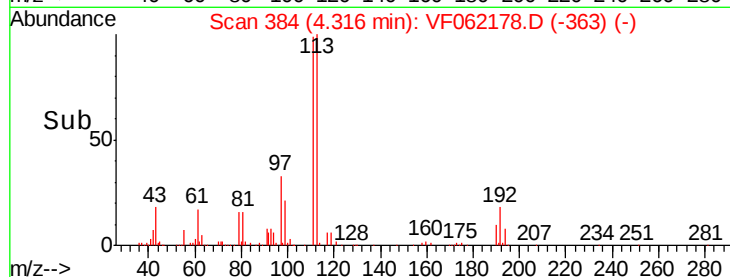
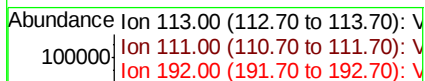
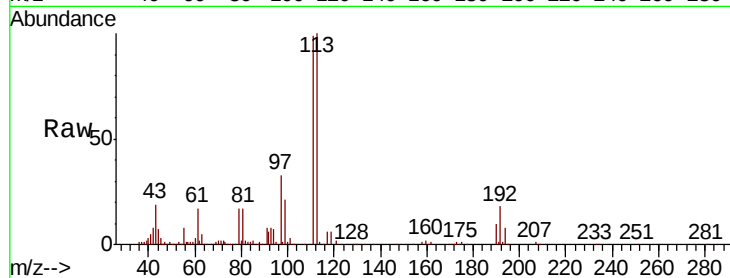
Tot Ion:113 Resp: 243909

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 99.3  | 81.6  | 122.4 |
| 192 | 18.2  | 15.0  | 22.4  |

113 100

111 99.3 81.6 122.4

192 18.2 15.0 22.4



#36

1,1-Dichloropropene

Concen: 20.114 ug/l

RT: 4.48 min Scan# 401

Delta R.T. 0.01 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

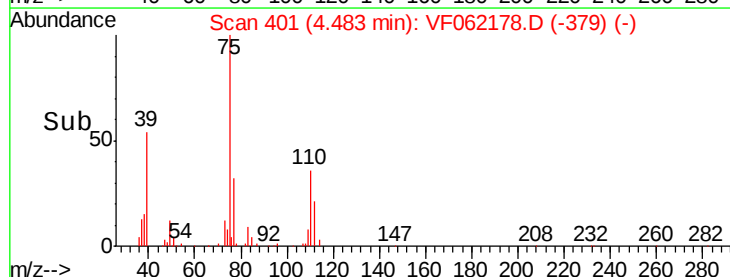
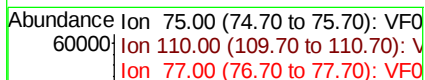
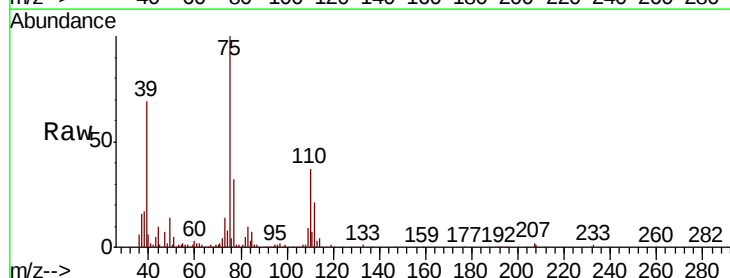
Tgt Ion: 75 Resp: 133222

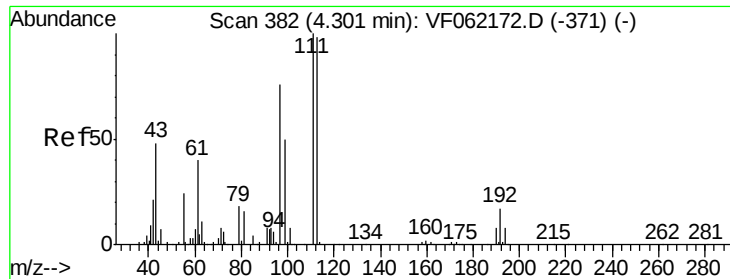
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 36.9  | 17.9  | 53.8  |
| 77  | 32.3  | 25.6  | 38.4  |

75 100

110 36.9 17.9 53.8

77 32.3 25.6 38.4





#37

Ethyl Acetate

Concen: 20.568 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

VF0416SBS01

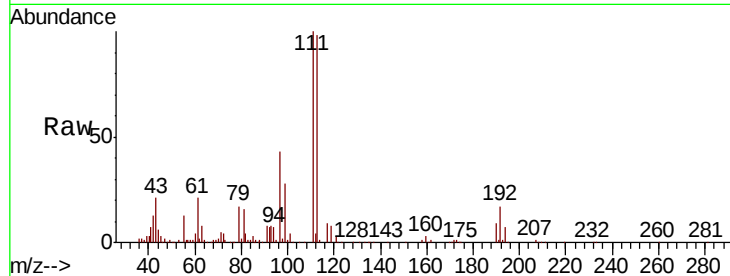
Tot Ion: 43 Resp: 62771

Ion Ratio Lower Upper

43 100

61 99.7 64.9 97.3#

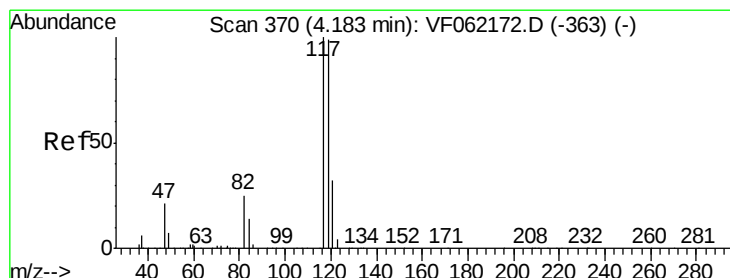
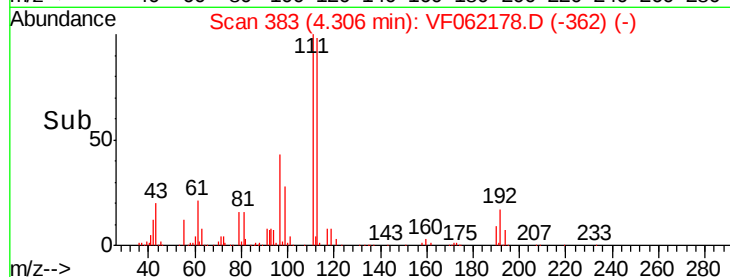
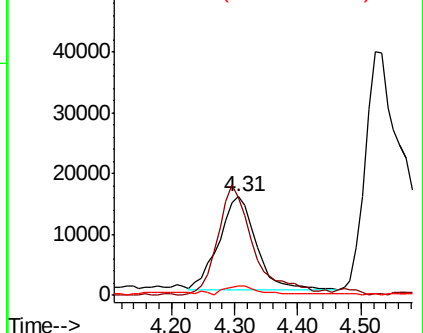
70 10.0 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 23.125 ug/l

RT: 4.19 min Scan# 371

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

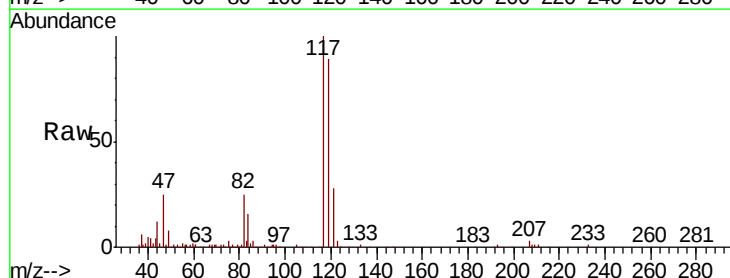
Tgt Ion: 117 Resp: 131828

Ion Ratio Lower Upper

117 100

119 89.1 78.9 118.3

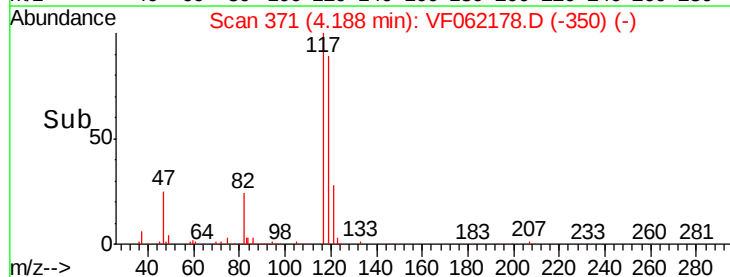
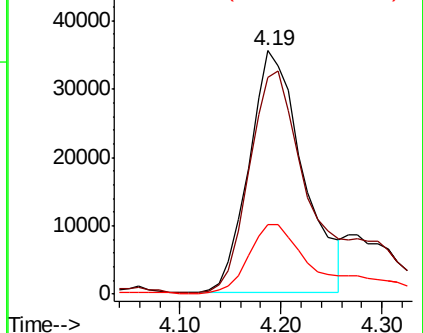
121 28.4 25.3 37.9

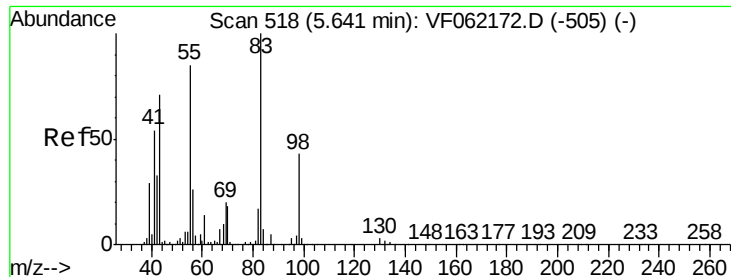


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

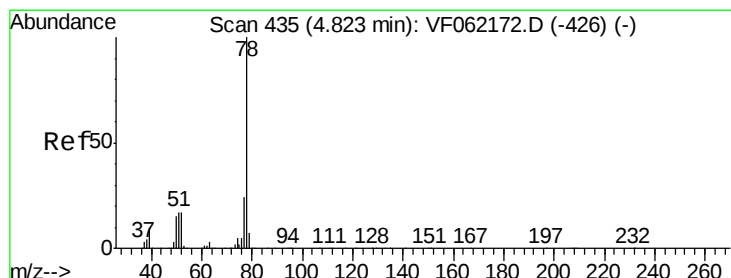
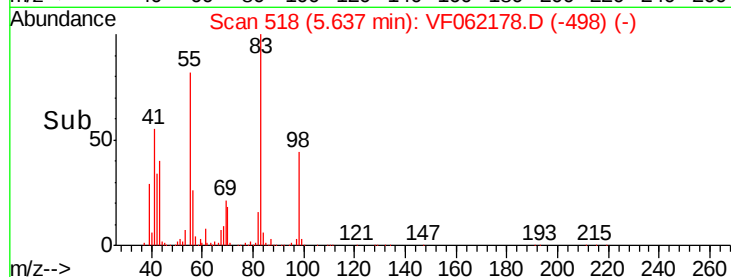
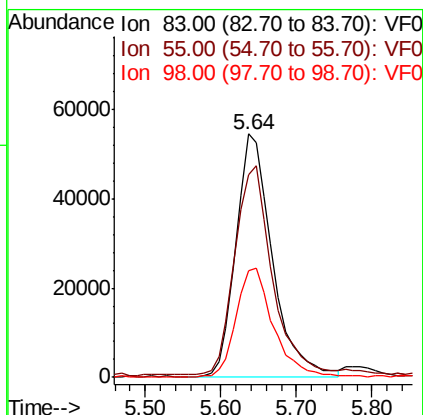
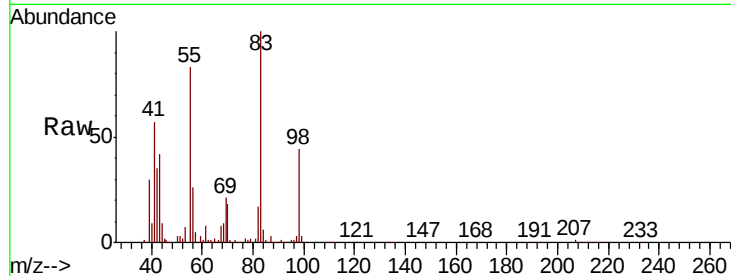




#39  
Methvlcvclohexane  
Concen: 21.914 ug/l  
RT: 5.64 min Scan# 518  
Delta R.T. -0.00 min  
Lab File: VF062178.D  
Acq: 16 Apr 2019 16:17

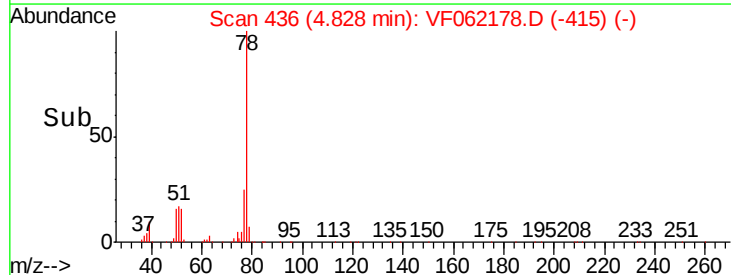
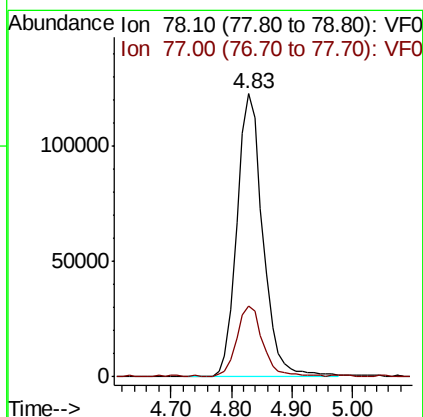
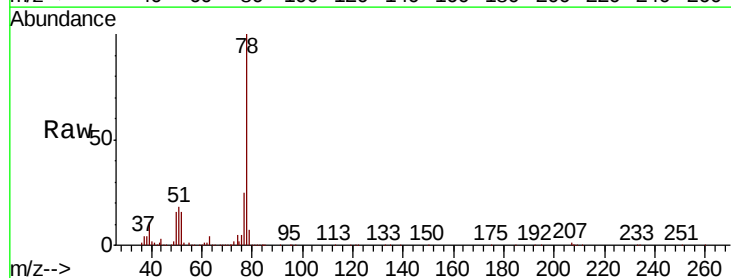
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0416SBS01

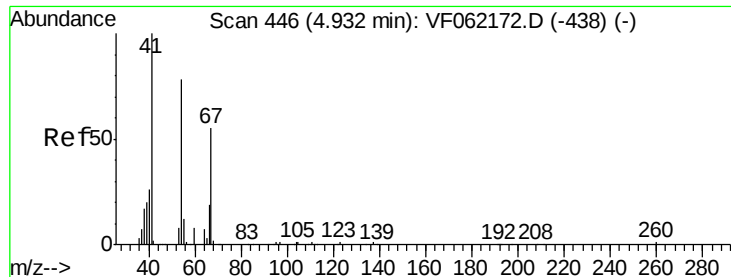
Tot Ion: 83 Resp: 181887  
Ion Ratio Lower Upper  
83 100  
55 83.0 68.2 102.2  
98 43.8 34.4 51.6



#40  
Benzene  
Concen: 20.863 ug/l  
RT: 4.83 min Scan# 436  
Delta R.T. 0.00 min  
Lab File: VF062178.D  
Acq: 16 Apr 2019 16:17

Tgt Ion: 78 Resp: 364998  
Ion Ratio Lower Upper  
78 100  
77 25.2 19.1 28.7

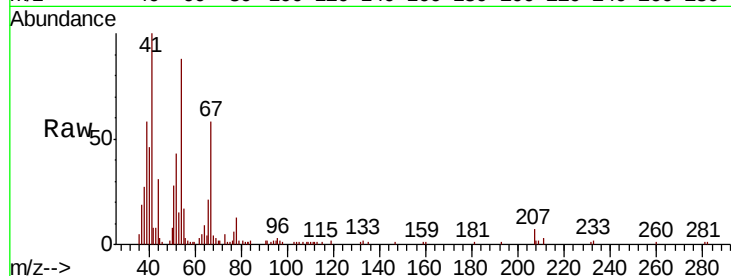




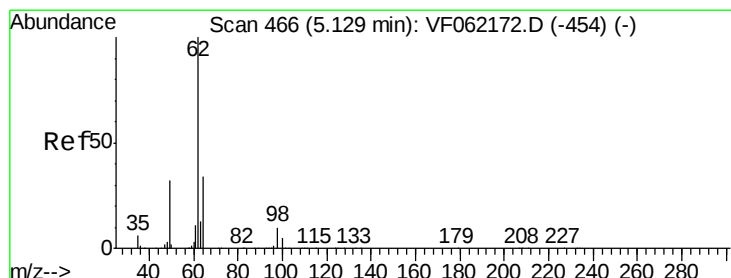
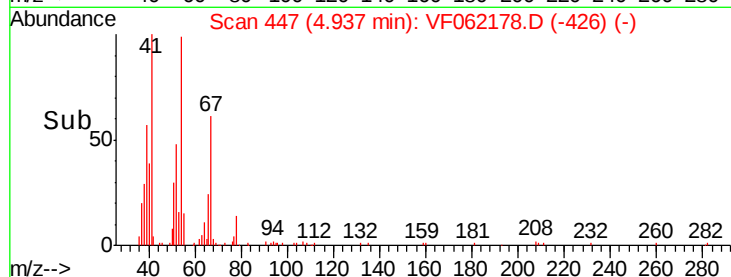
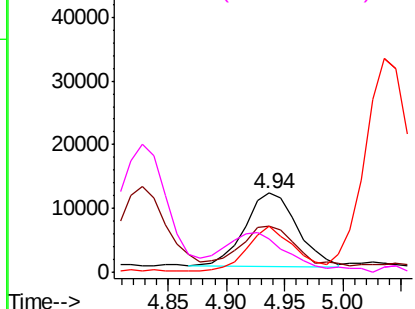
#41  
Methacrylonitrile  
Concen: 19.373 ug/l  
RT: 4.94 min Scan# 447  
Delta R.T. 0.00 min  
Lab File: VF062178.D  
Acq: 16 Apr 2019 16:17

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0416SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 35524 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 58.1  | 43.5  | 65.3  |
| 67       | 58.1  | 42.9  | 64.3  |
| 52       | 42.9  | 30.4  | 45.6  |

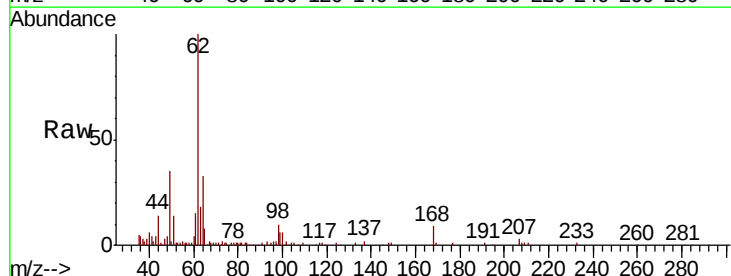


Abundance Ion 41.00 (40.70 to 41.70): VF0  
Ion 39.00 (38.70 to 39.70): VF0  
Ion 67.00 (66.70 to 67.70): VF0  
Ion 52.00 (51.70 to 52.70): VF0

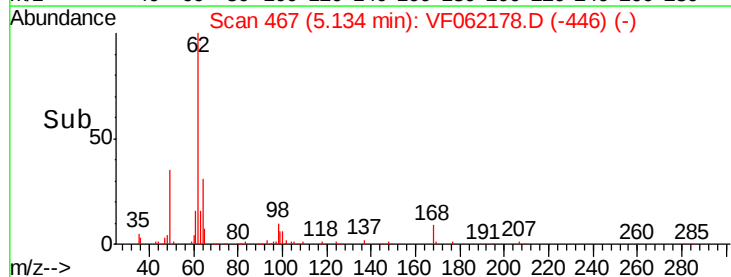
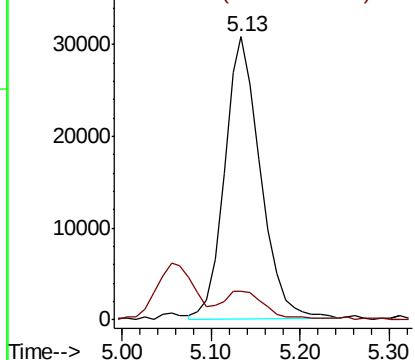


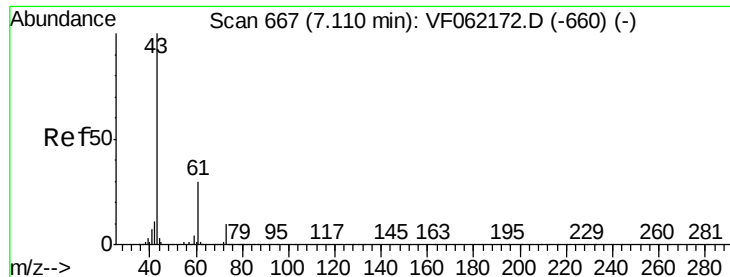
#42  
1,2-Dichloroethane  
Concen: 19.448 ug/l  
RT: 5.13 min Scan# 467  
Delta R.T. 0.00 min  
Lab File: VF062178.D  
Acq: 16 Apr 2019 16:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 86118 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 10.3  | 0.0   | 22.0  |



Abundance Ion 62.00 (61.70 to 62.70): VF0  
Ion 98.00 (97.70 to 98.70): VF0



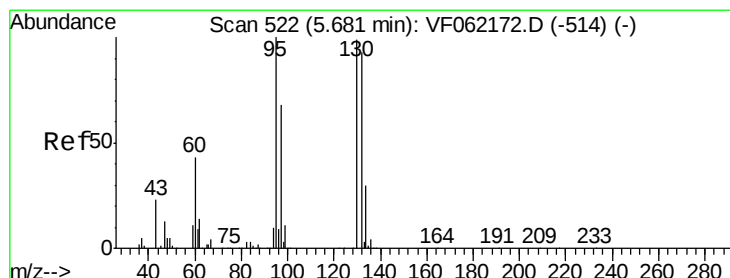
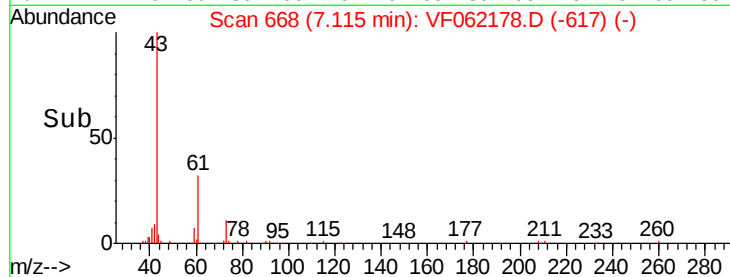
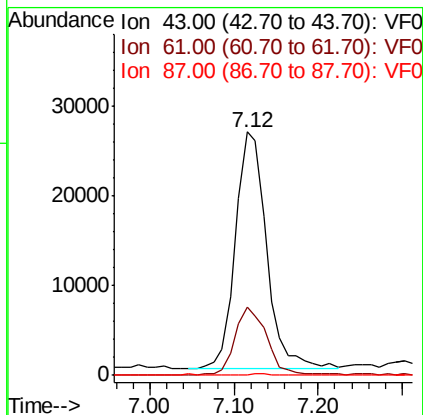
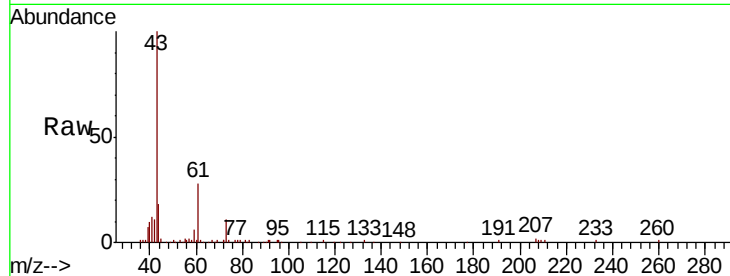


#43

Isopropyl Acetate  
 Concen: 19.378 ug/l  
 RT: 7.12 min Scan# 668  
 Delta R.T. 0.00 min  
 Lab File: VF062178.D  
 Acq: 16 Apr 2019 16:17

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0416SBS01

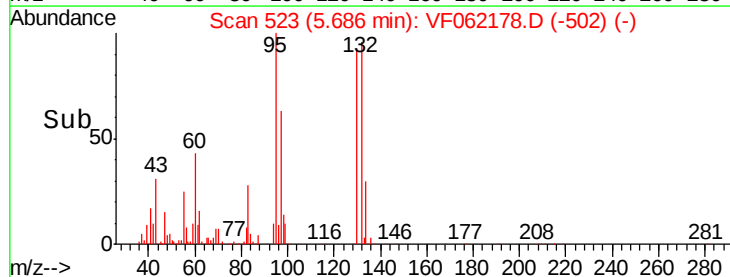
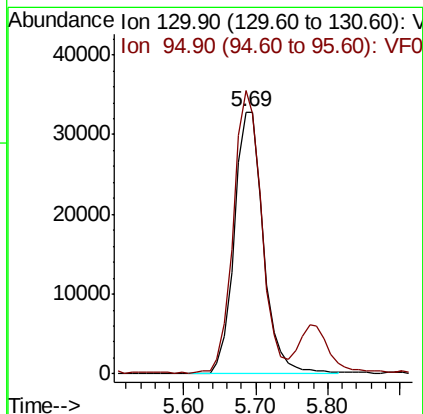
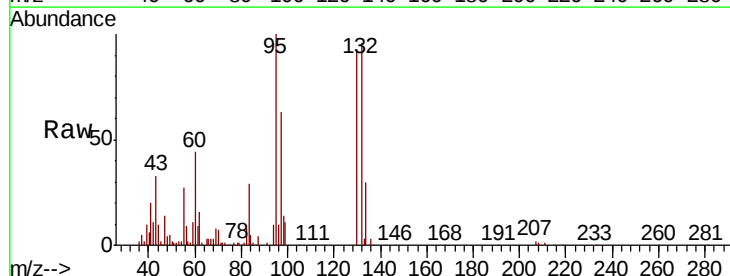
| Tot Ion   | 43    | Resp  | 68327 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 28.0  | 23.7  | 35.5  |
| 87        | 0.4   | 0.3   | 0.5   |

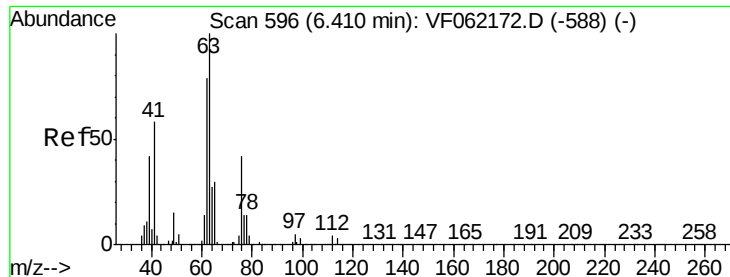


#44

Trichloroethene  
 Concen: 19.851 ug/l  
 RT: 5.69 min Scan# 523  
 Delta R.T. 0.00 min  
 Lab File: VF062178.D  
 Acq: 16 Apr 2019 16:17

| Tgt Ion   | 130   | Resp  | 92955 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 130       | 100   |       |       |
| 95        | 107.9 | 0.0   | 202.2 |





#45

1,2-Dichloropropane

Concen: 19.308 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

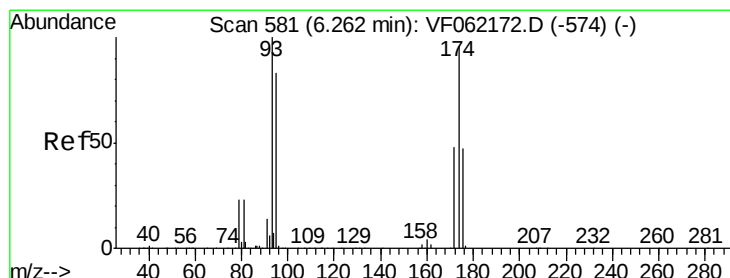
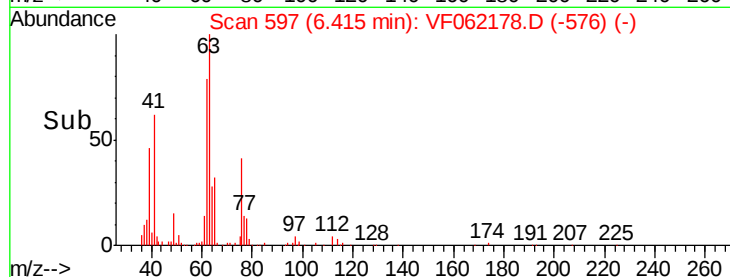
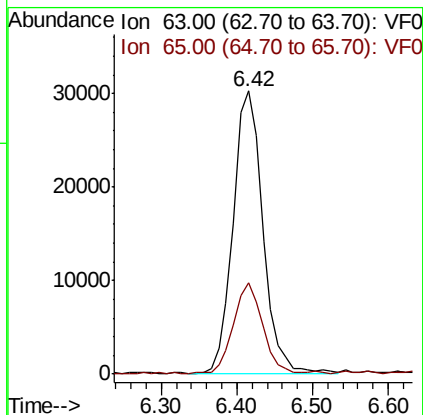
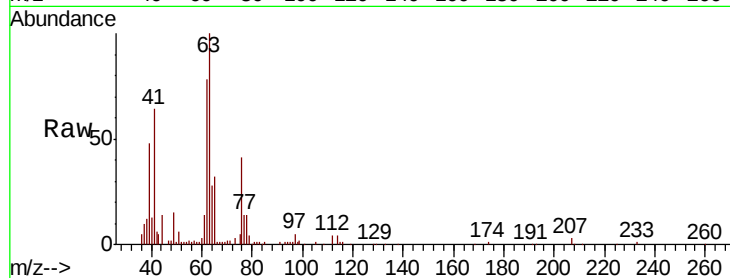
VF0416SBS01

Tot Ion: 63 Resp: 82869

Ion Ratio Lower Upper

63 100

65 32.3 23.7 35.5



#46

Dibromomethane

Concen: 19.447 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

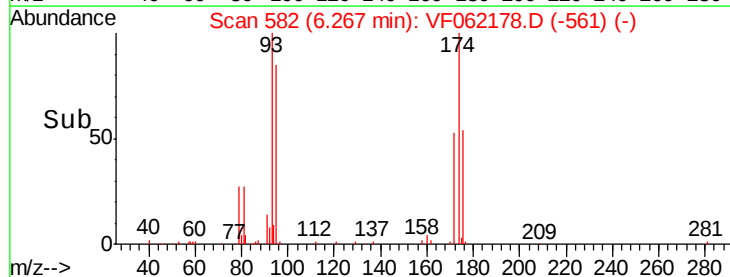
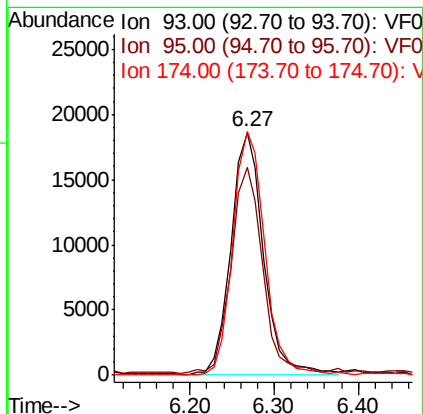
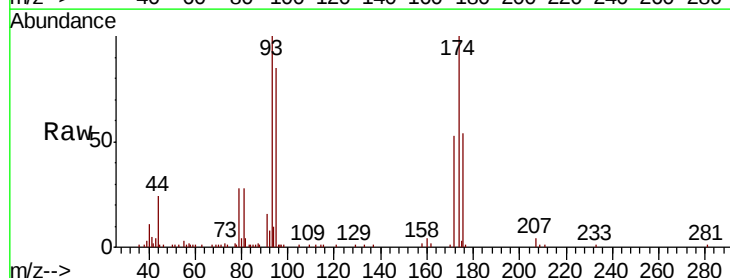
Tgt Ion: 93 Resp: 50331

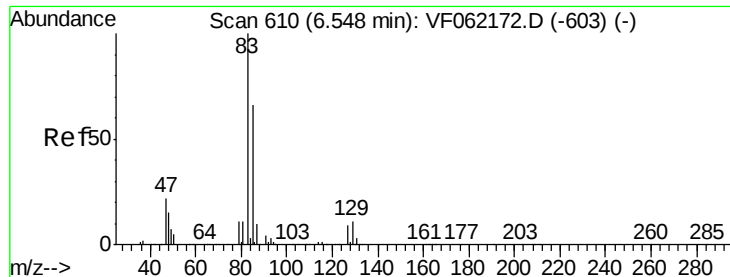
Ion Ratio Lower Upper

93 100

95 85.4 67.0 100.6

174 100.3 76.3 114.5





#47

Bromodichloromethane

Concen: 19.411 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

VF0416SBS01

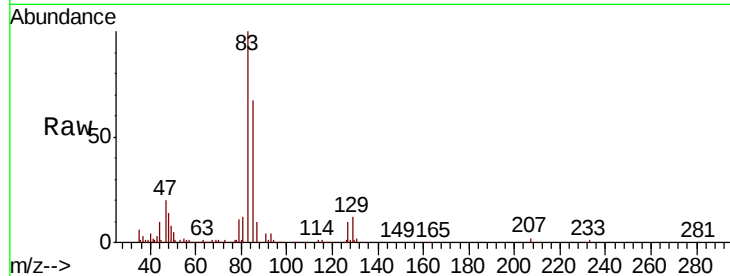
Tot Ion: 83 Resp: 113812

Ion Ratio Lower Upper

83 100

85 67.1 52.6 79.0

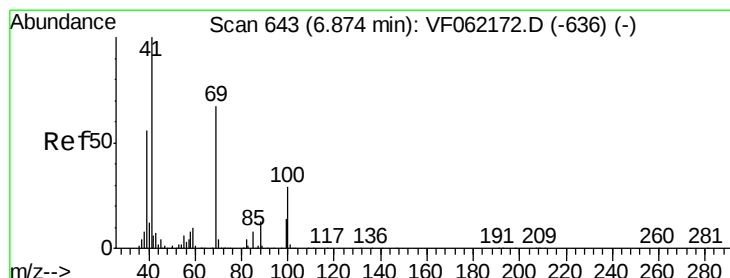
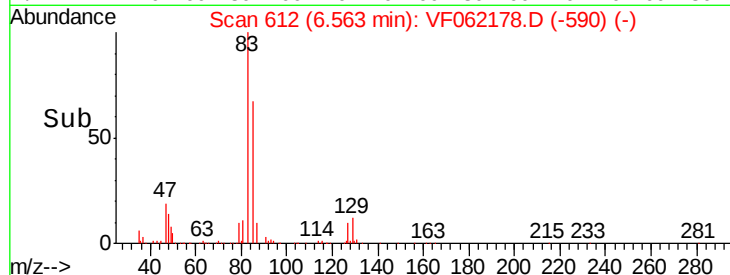
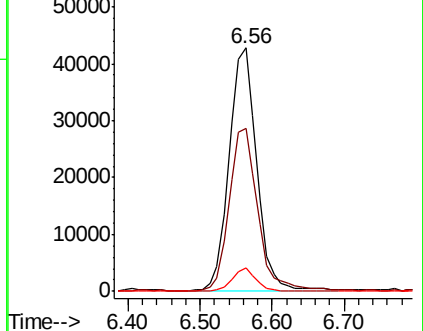
127 9.8 6.8 10.2



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: 18.518 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

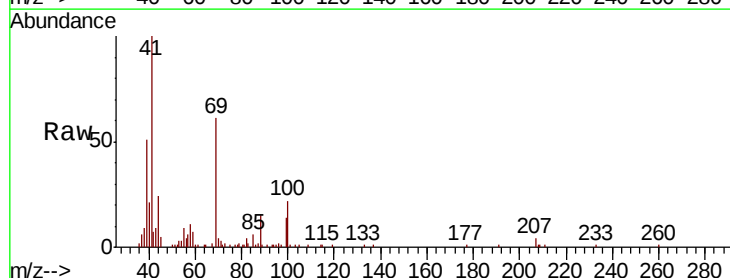
Tgt Ion: 41 Resp: 42751

Ion Ratio Lower Upper

41 100

69 61.2 52.8 79.2

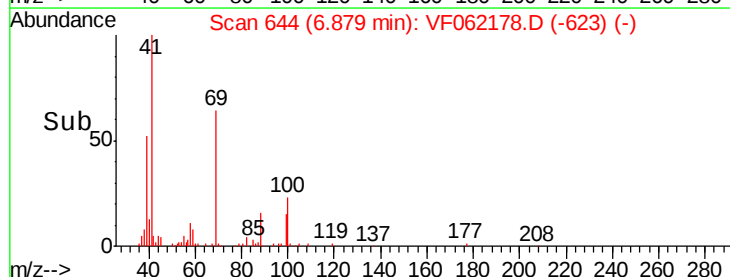
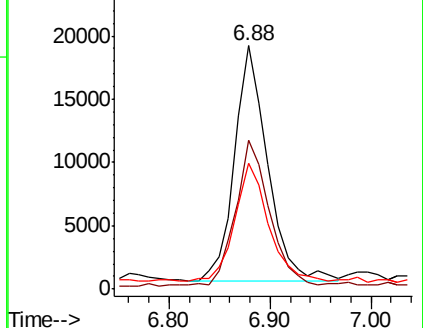
39 51.4 45.0 67.4

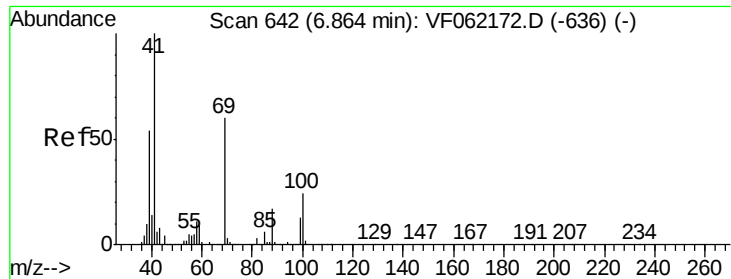


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

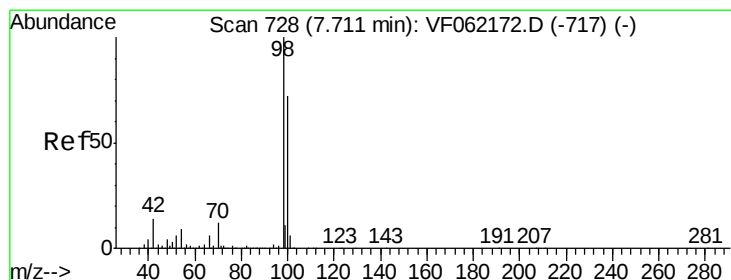
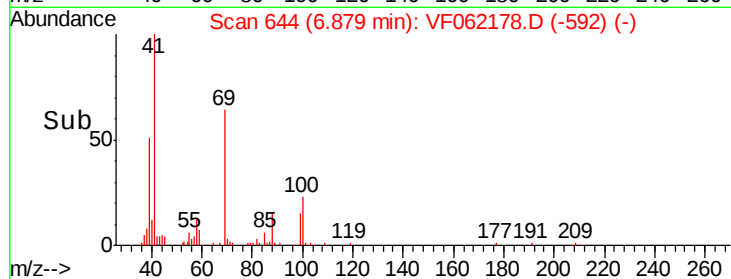
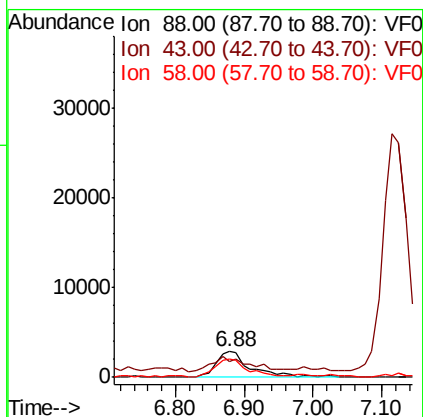
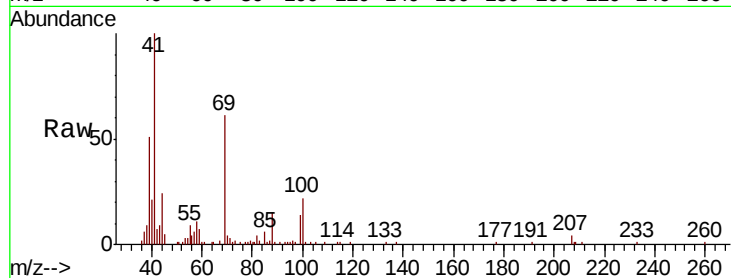




#49  
1,4-Dioxane  
Concen: 554.134 ug/l  
RT: 6.88 min Scan# 644  
Delta R.T. 0.01 min  
Lab File: VF062178.D  
Acq: 16 Apr 2019 16:17

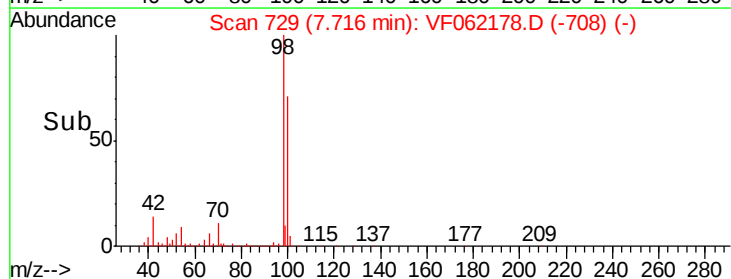
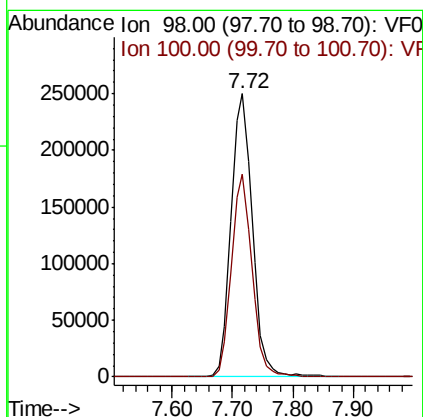
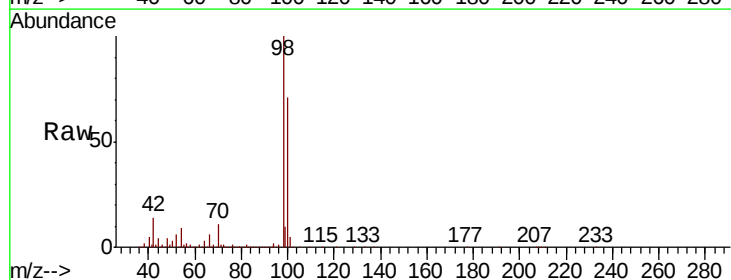
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0416SBS01

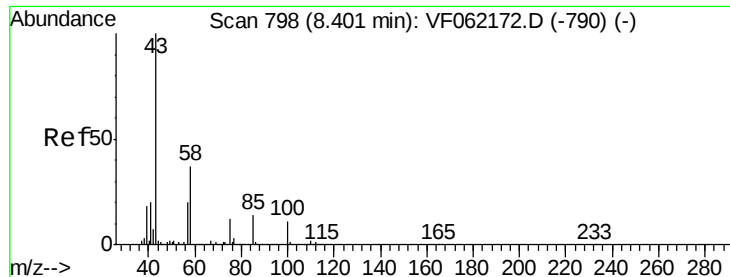
Tot Ion: 88 Resp: 9969  
Ion Ratio Lower Upper  
88 100  
43 62.5 49.5 74.3  
58 74.3 52.6 79.0



#50  
Toluene-d8  
Concen: 44.672 ug/l  
RT: 7.72 min Scan# 729  
Delta R.T. 0.00 min  
Lab File: VF062178.D  
Acq: 16 Apr 2019 16:17

Tgt Ion: 98 Resp: 613857  
Ion Ratio Lower Upper  
98 100  
100 71.4 57.4 86.0





#51

4-Methyl-2-Pentanone

Concen: 102.180 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

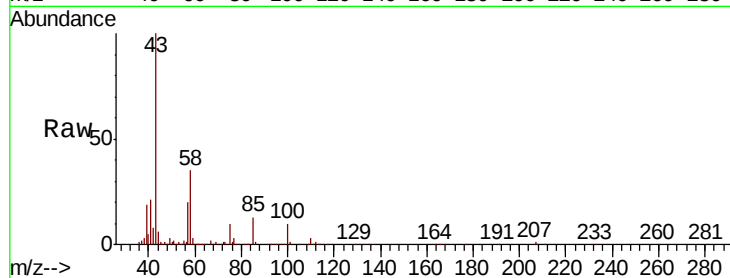
VF0416SBS01

Tot Ion: 43 Resp: 277634

Ion Ratio Lower Upper

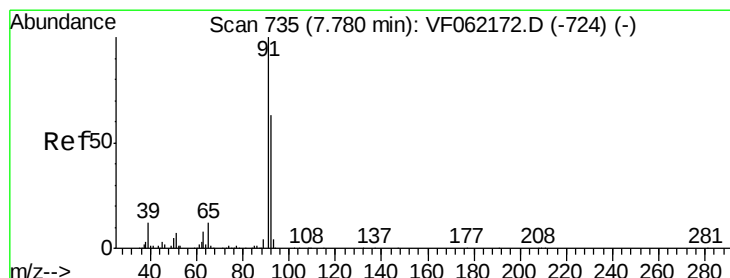
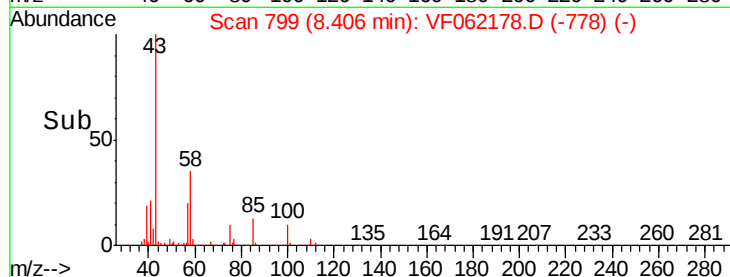
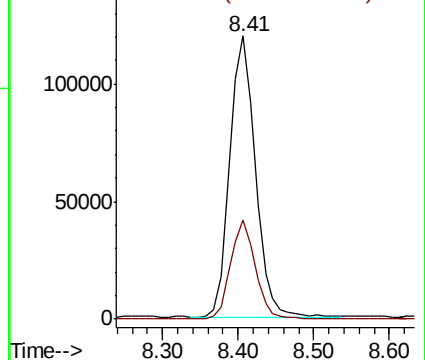
43 100

58 35.1 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 18.784 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062178.D

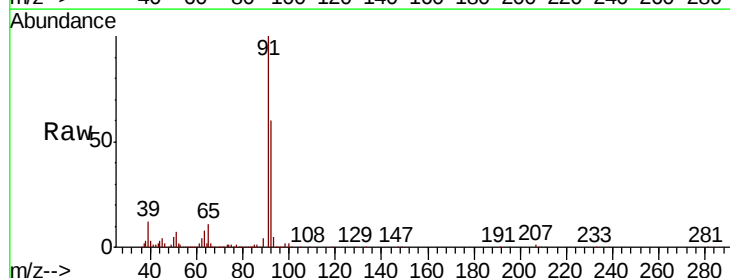
Acq: 16 Apr 2019 16:17

Tgt Ion: 92 Resp: 193051

Ion Ratio Lower Upper

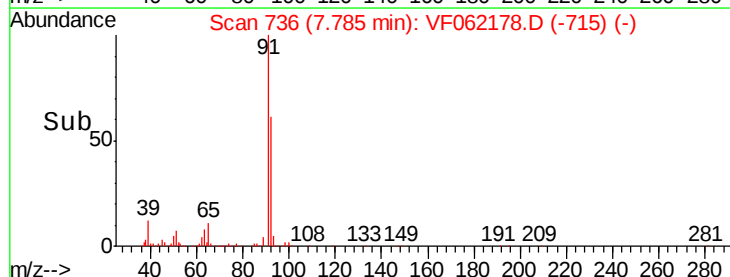
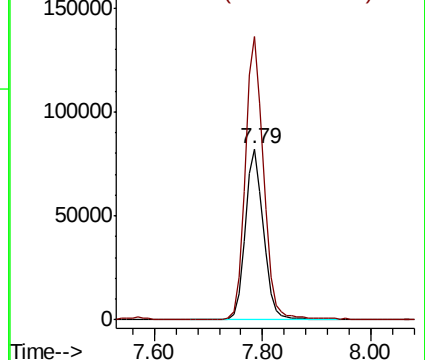
92 100

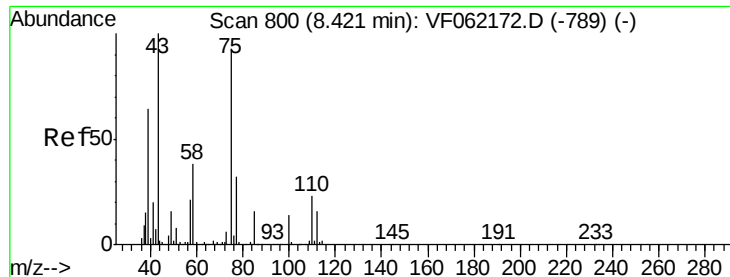
91 165.6 126.9 190.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 17.571 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

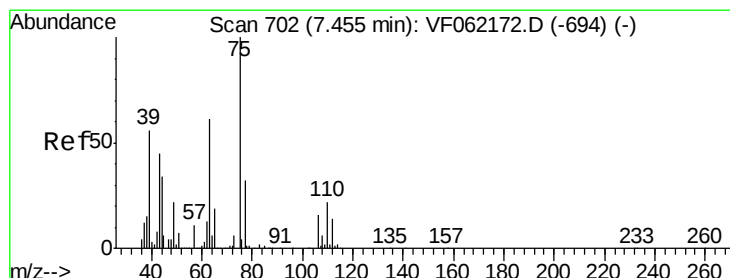
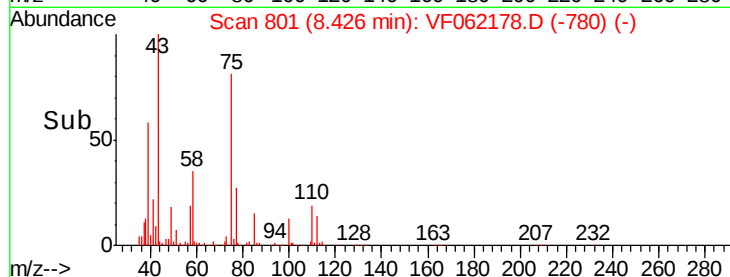
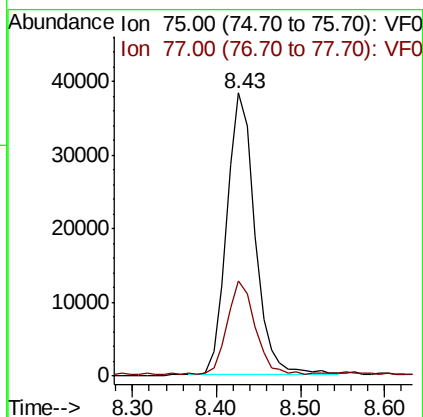
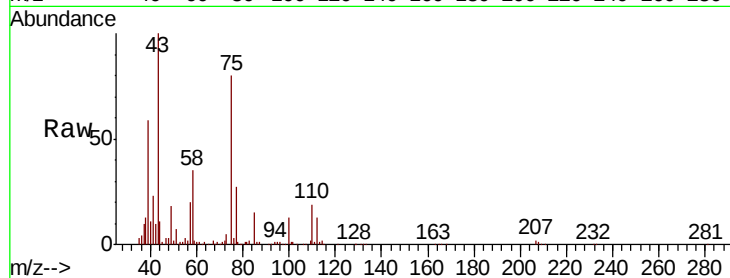
VF0416SBS01

Tot Ion: 75 Resp: 89241

Ion Ratio Lower Upper

75 100

77 33.7 27.8 41.6



#54

cis-1,3-Dichloropropene

Concen: 19.120 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

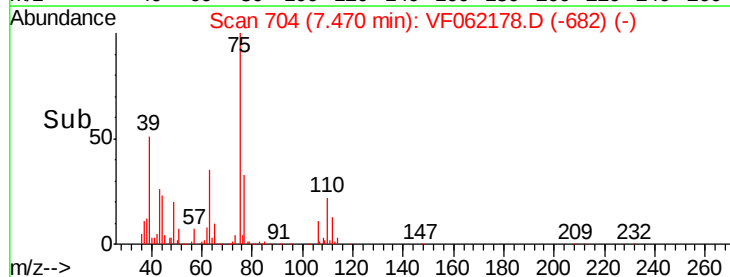
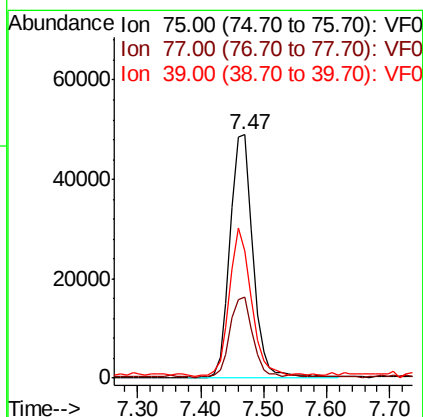
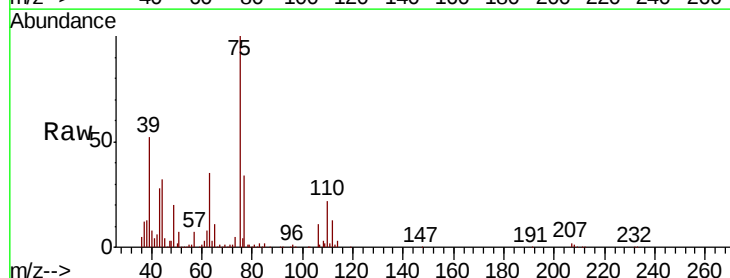
Tgt Ion: 75 Resp: 123476

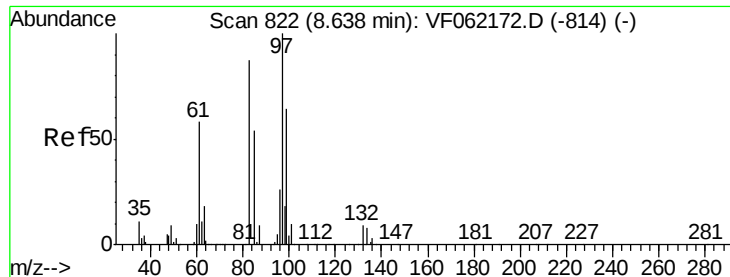
Ion Ratio Lower Upper

75 100

77 33.5 26.0 39.0

39 52.2 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 18.626 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

VF0416SBS01

Tot Ion: 97 Resp: 54827

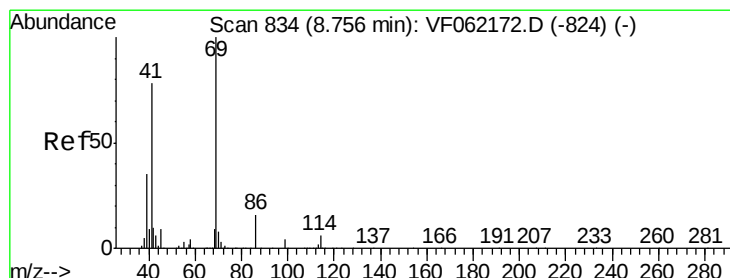
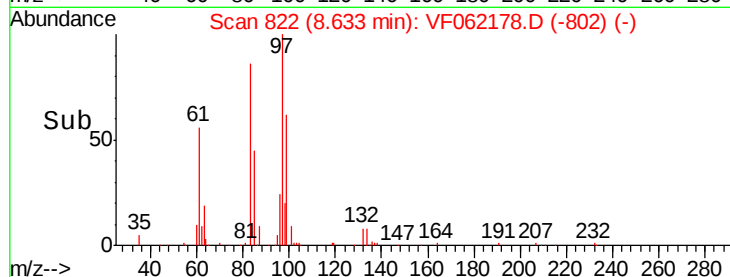
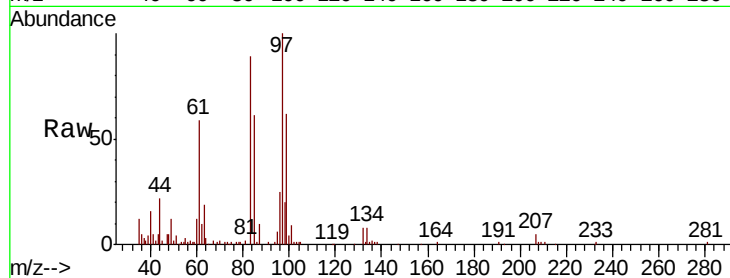
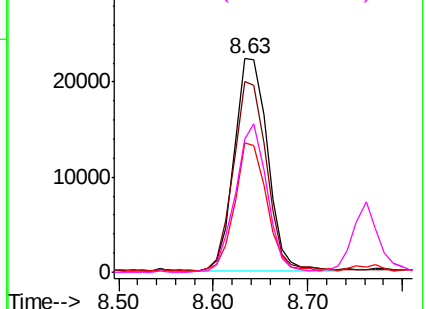
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 89.0  | 69.6  | 104.4 |
| 85  | 60.7  | 43.5  | 65.3  |
| 99  | 62.5  | 51.5  | 77.3  |

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: 19.998 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

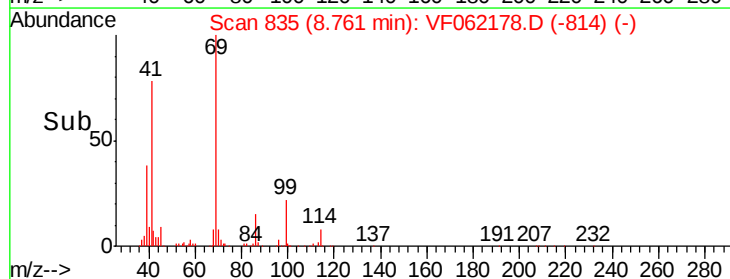
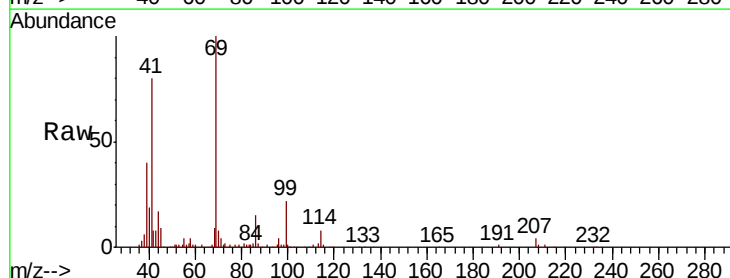
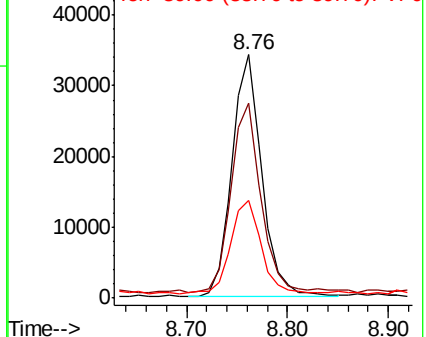
Tgt Ion: 69 Resp: 69998

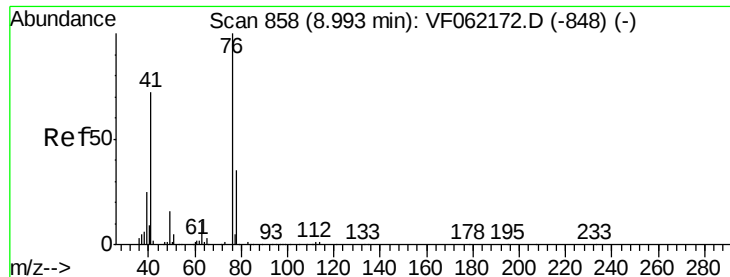
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 80.2  | 63.4  | 95.0  |
| 39  | 39.9  | 29.0  | 43.6  |

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: 18.262 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

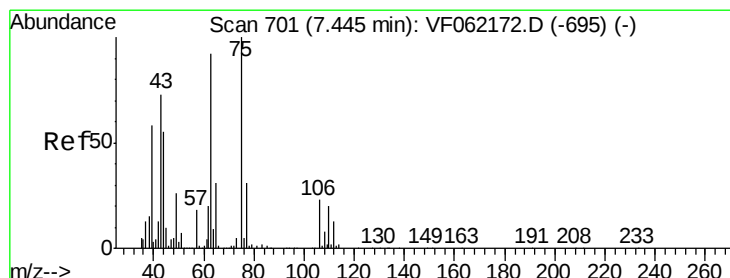
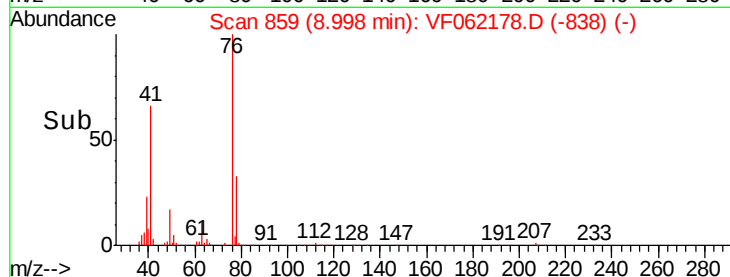
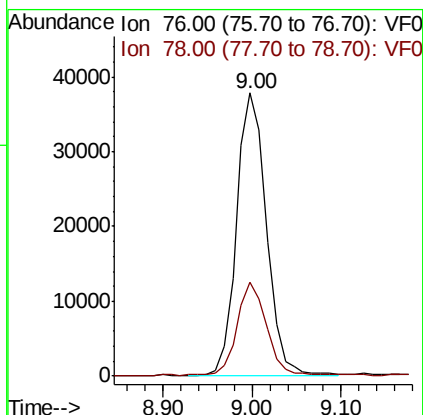
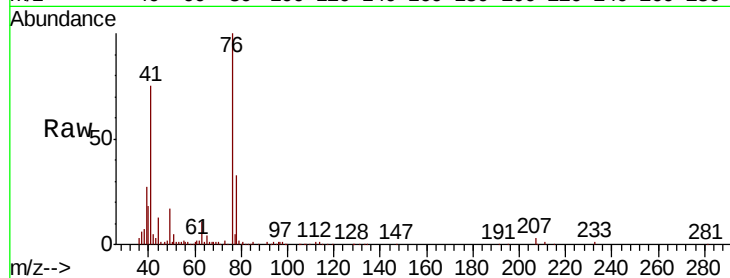
VF0416SBS01

Tot Ion: 76 Resp: 88376

Ion Ratio Lower Upper

76 100

78 33.0 28.2 42.2



#58

2-Chloroethyl Vinyl ether

Concen: 79.949 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF062178.D

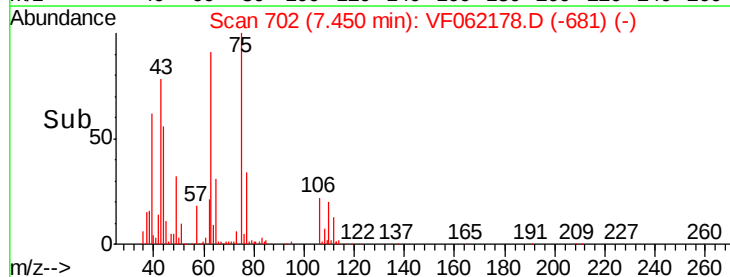
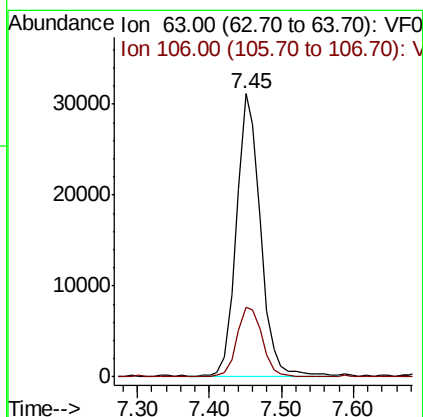
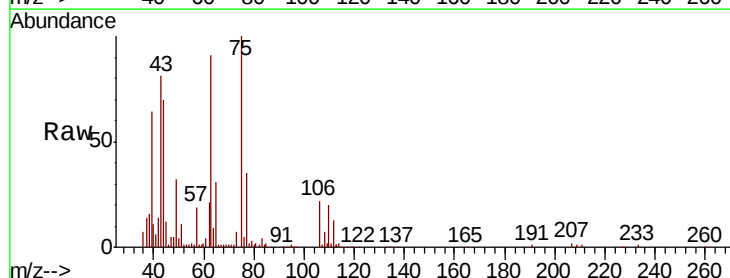
Acq: 16 Apr 2019 16:17

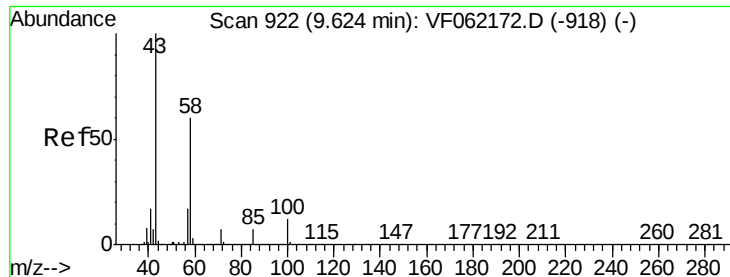
Tgt Ion: 63 Resp: 72102

Ion Ratio Lower Upper

63 100

106 24.7 20.2 30.4

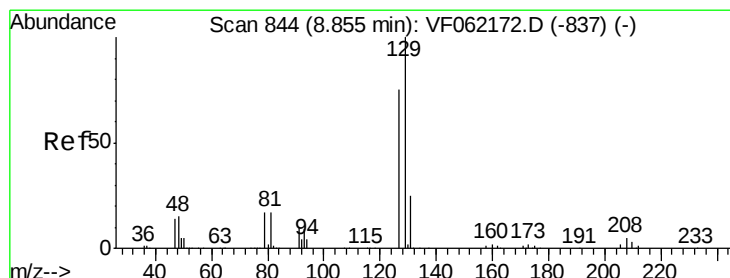
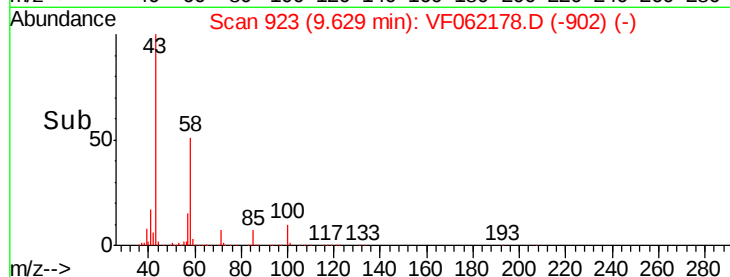
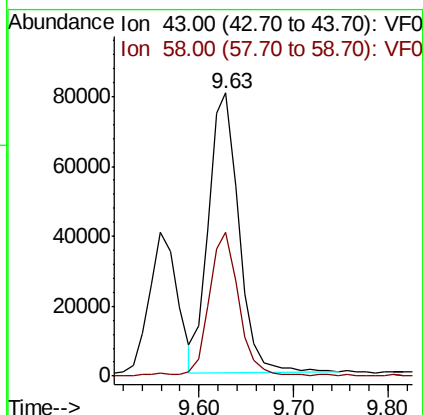
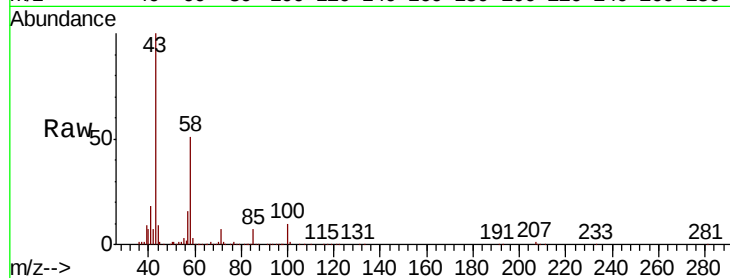




#59  
2-Hexanone  
Concen: 102.676 ug/l  
RT: 9.63 min Scan# 923  
Delta R.T. 0.00 min  
Lab File: VF062178.D  
Acq: 16 Apr 2019 16:17

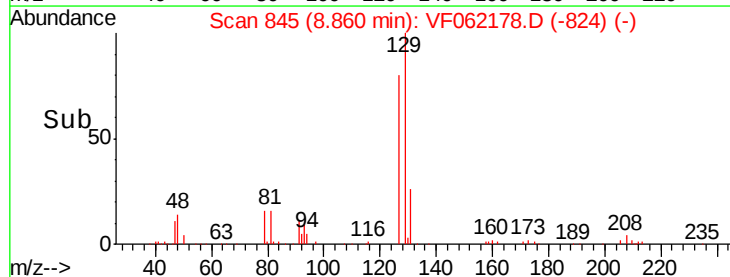
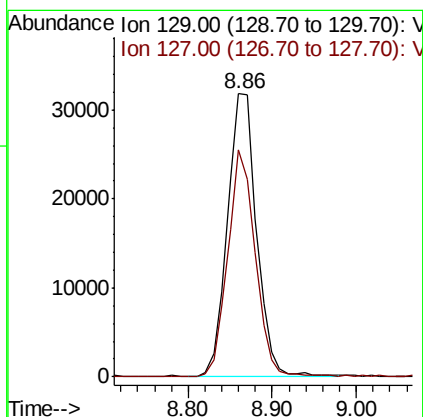
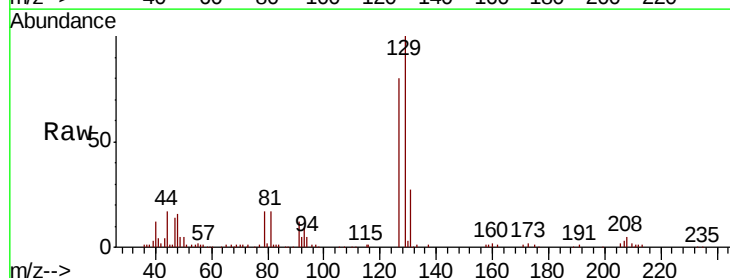
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0416SBS01

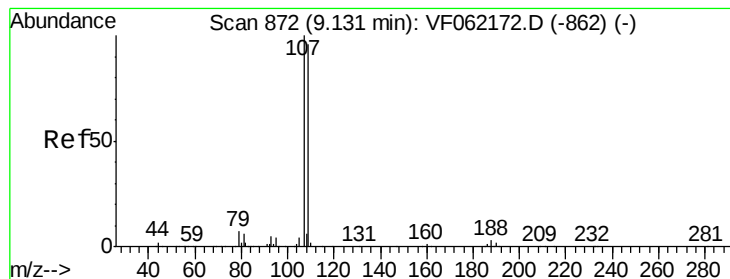
Tot Ion: 43 Resp: 177304  
Ion Ratio Lower Upper  
43 100  
58 50.6 26.8 80.4



#60  
Dibromochloromethane  
Concen: 19.020 ug/l  
RT: 8.86 min Scan# 845  
Delta R.T. 0.00 min  
Lab File: VF062178.D  
Acq: 16 Apr 2019 16:17

Tgt Ion: 129 Resp: 77031  
Ion Ratio Lower Upper  
129 100  
127 80.1 37.7 113.1





#61

1,2-Dibromoethane

Concen: 19.451 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

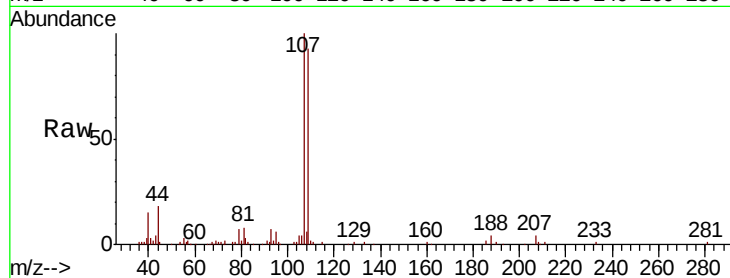
VF0416SBS01

Tot Ion: 107 Resp: 61257

Ion Ratio Lower Upper

107 100

109 92.5 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.14

25000

20000

15000

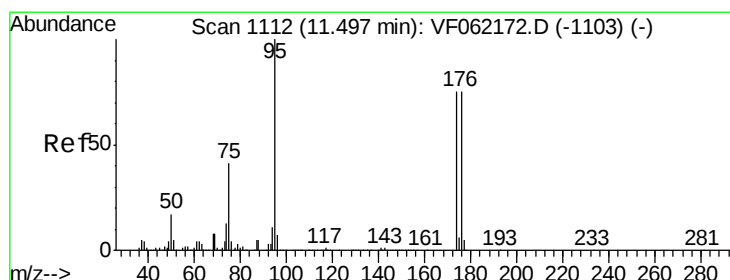
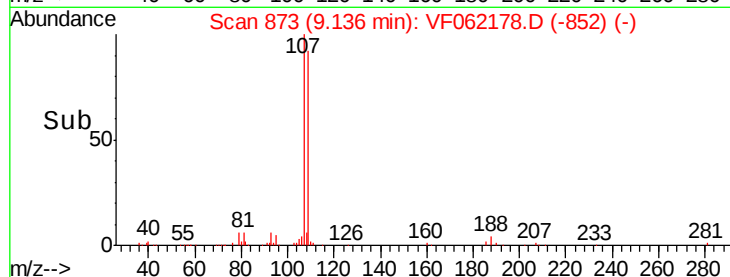
10000

5000

0

Time-->

9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 43.744 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

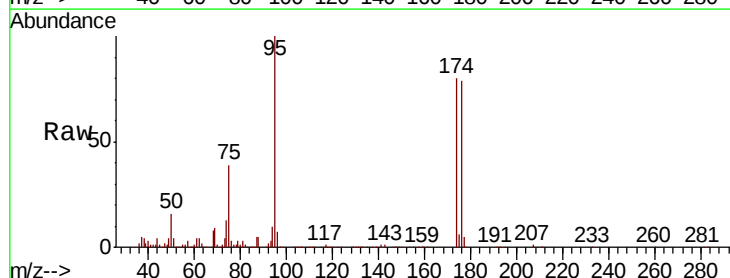
Tgt Ion: 95 Resp: 237379

Ion Ratio Lower Upper

95 100

174 79.9 0.0 150.2

176 79.5 0.0 149.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

150000

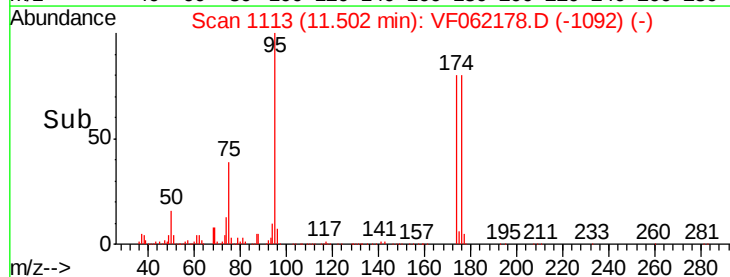
100000

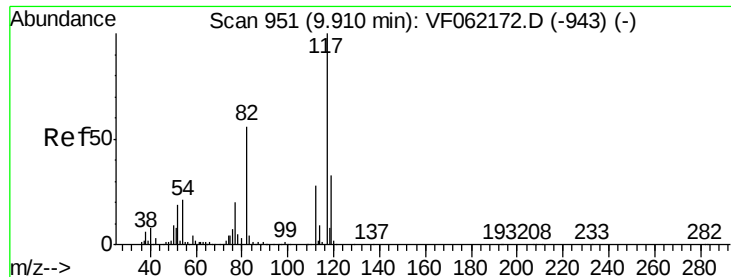
50000

0

Time-->

11.40 11.50 11.60 11.70

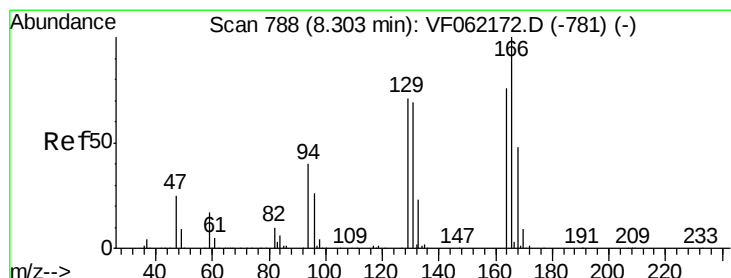
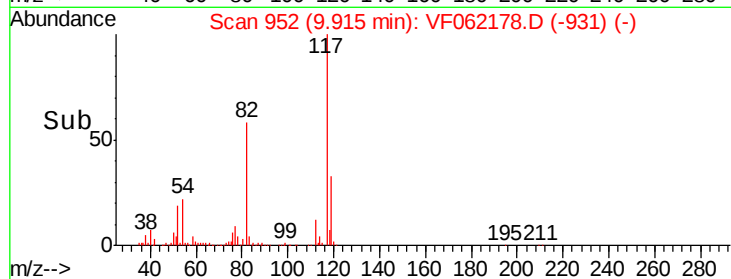
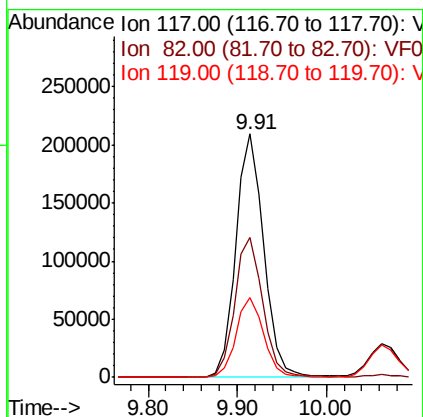
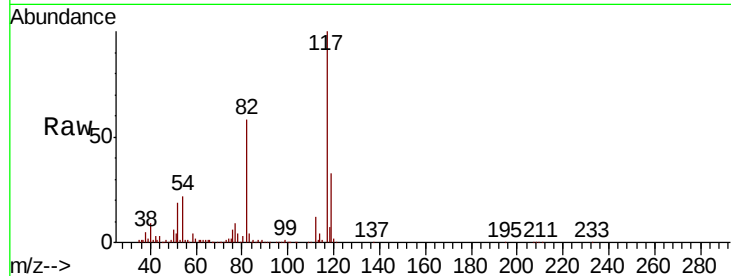




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.91 min Scan# 952  
Delta R.T. 0.00 min  
Lab File: VF062178.D  
Acq: 16 Apr 2019 16:17

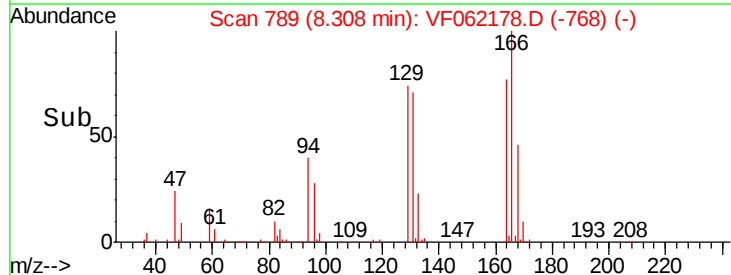
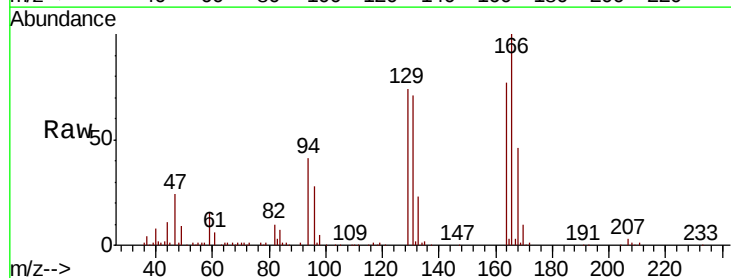
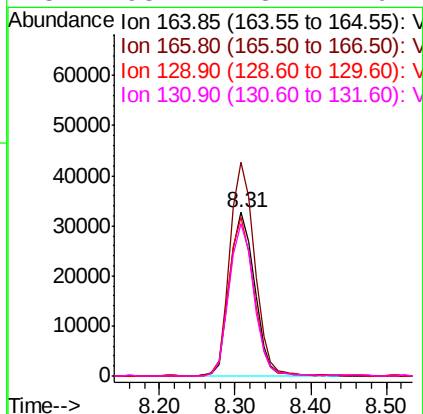
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0416SBS01

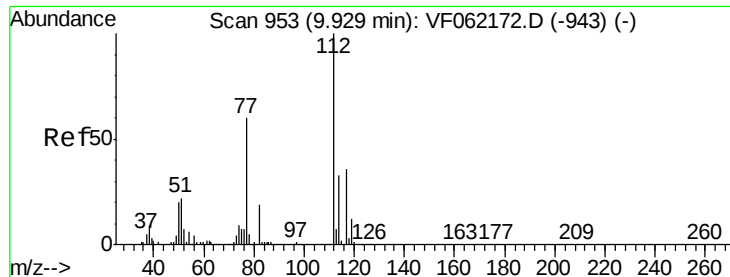
Tot Ion:117 Resp: 457573  
Ion Ratio Lower Upper  
117 100  
82 57.7 45.2 67.8  
119 32.7 26.6 39.8



#64  
Tetrachloroethene  
Concen: 20.153 ug/l  
RT: 8.31 min Scan# 789  
Delta R.T. 0.00 min  
Lab File: VF062178.D  
Acq: 16 Apr 2019 16:17

Tgt Ion:164 Resp: 75317  
Ion Ratio Lower Upper  
164 100  
166 130.6 105.9 158.9  
129 97.2 75.3 112.9  
131 93.2 73.4 110.2

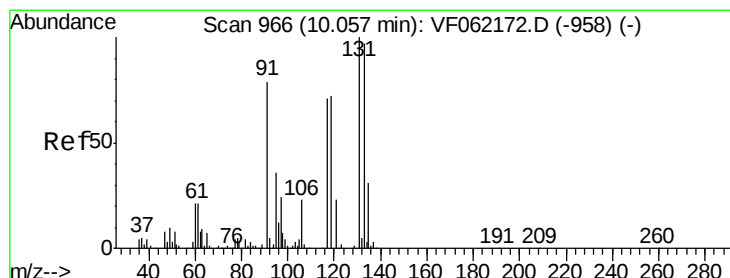
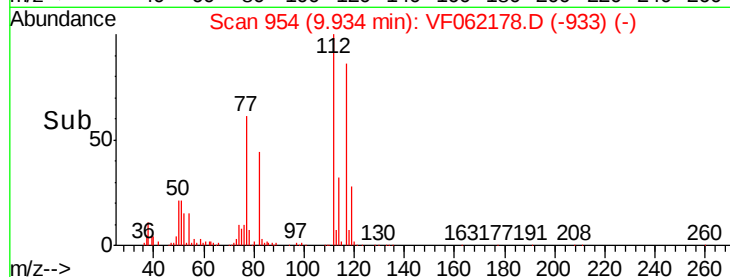
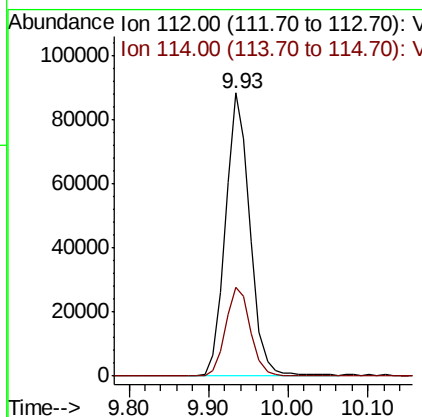
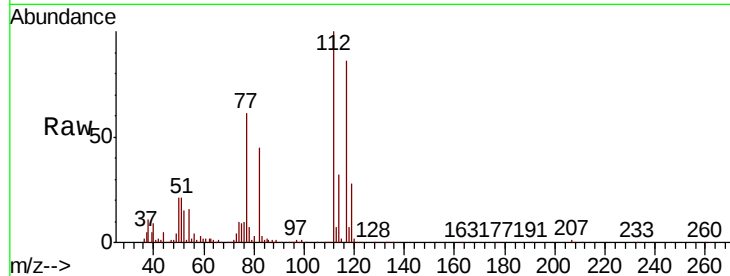




#65  
Chlorobenzene  
Concen: 20.085 ug/l  
RT: 9.93 min Scan# 954  
Delta R.T. 0.00 min  
Lab File: VF062178.D  
Acq: 16 Apr 2019 16:17

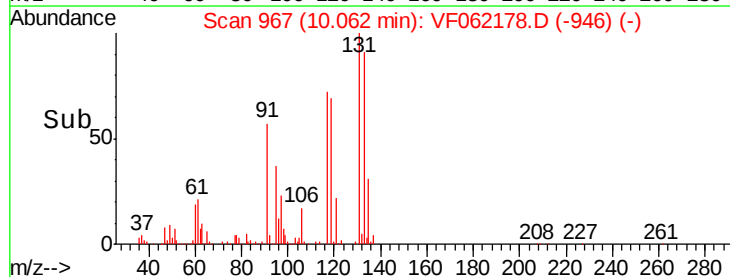
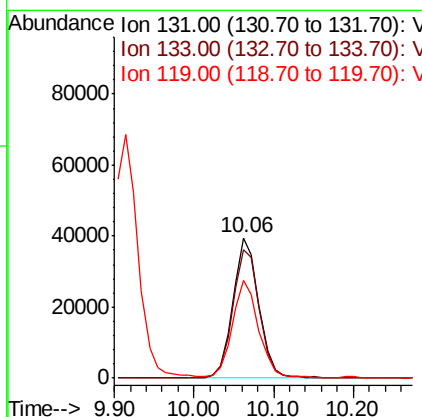
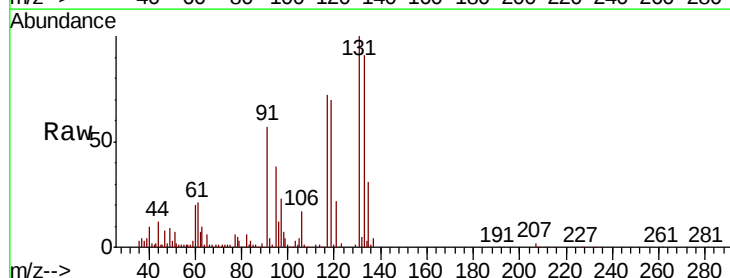
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0416SBS01

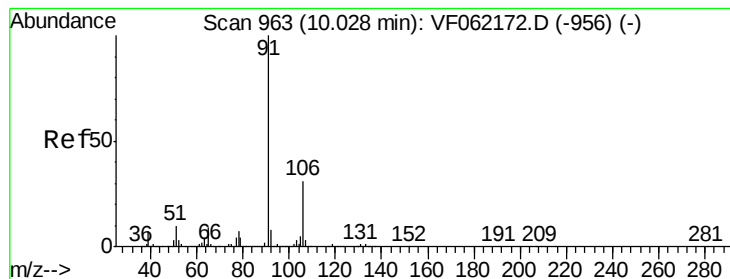
Tot Ion:112 Resp: 191183  
Ion Ratio Lower Upper  
112 100  
114 31.6 26.6 39.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 22.704 ug/l  
RT: 10.06 min Scan# 967  
Delta R.T. 0.00 min  
Lab File: VF062178.D  
Acq: 16 Apr 2019 16:17

Tgt Ion:131 Resp: 89221  
Ion Ratio Lower Upper  
131 100  
133 91.1 48.4 145.2  
119 69.5 36.3 108.9





#67

Ethyl Benzene

Concen: 20.380 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

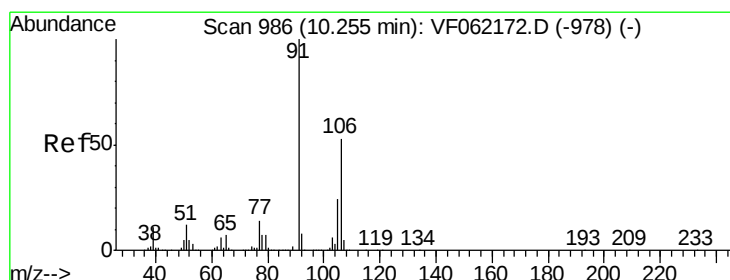
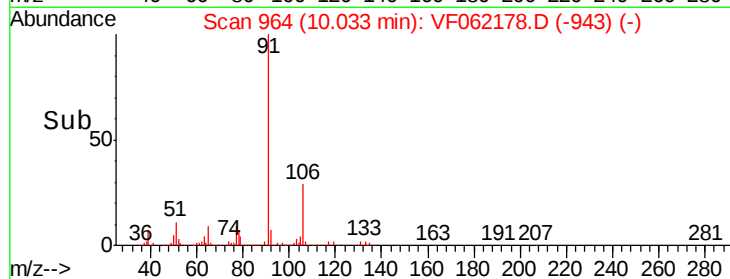
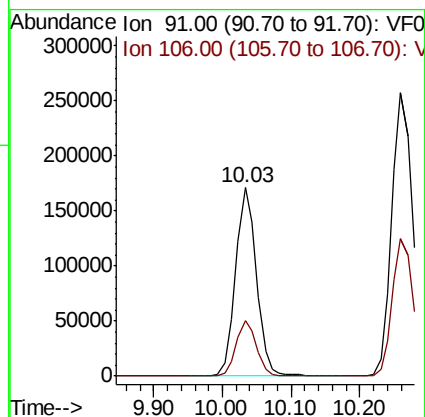
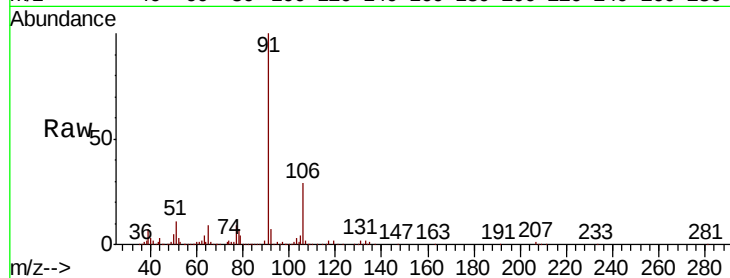
VF0416SBS01

Tot Ion: 91 Resp: 359604

Ion Ratio Lower Upper

91 100

106 29.4 24.7 37.1



#68

m/p-Xylenes

Concen: 40.867 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.00 min

Lab File: VF062178.D

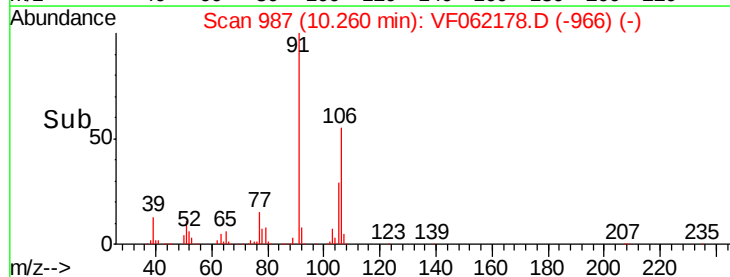
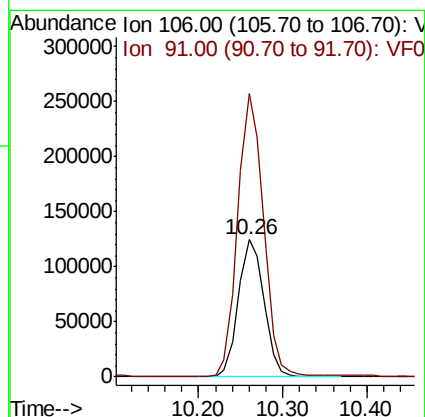
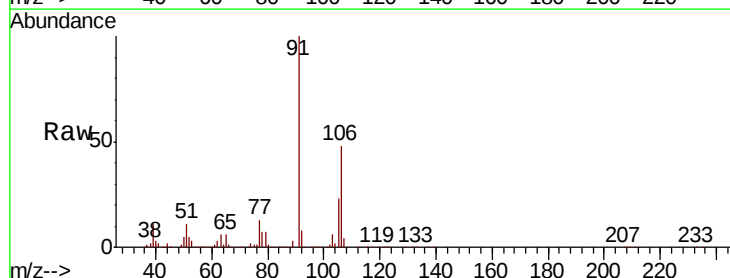
Acq: 16 Apr 2019 16:17

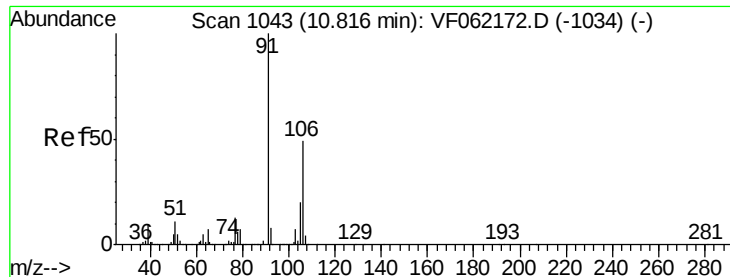
Tgt Ion: 106 Resp: 265442

Ion Ratio Lower Upper

106 100

91 206.7 151.7 227.5

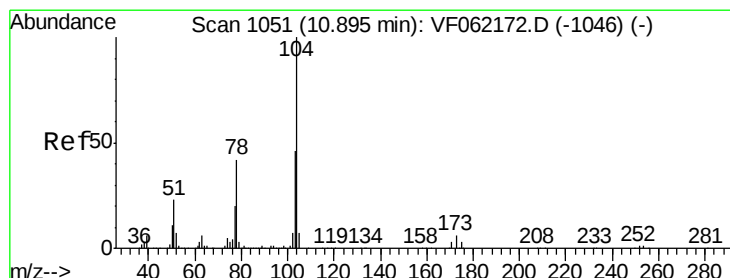
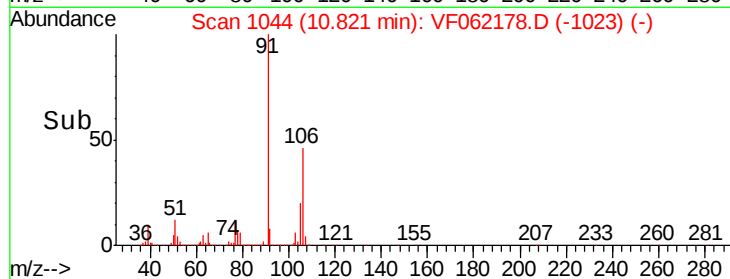
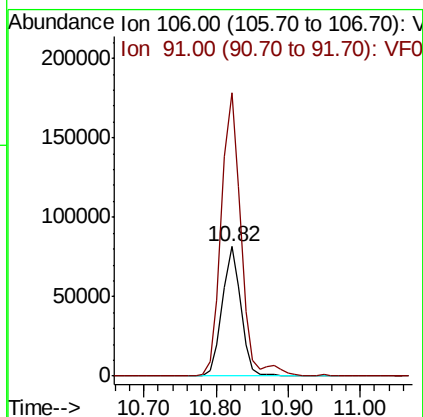
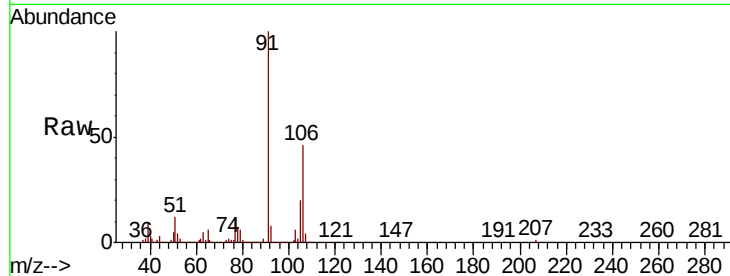




#69  
o-Xylene  
Concen: 20.891 ug/l  
RT: 10.82 min Scan# 1044  
Delta R.T. 0.00 min  
Lab File: VF062178.D  
Acq: 16 Apr 2019 16:17

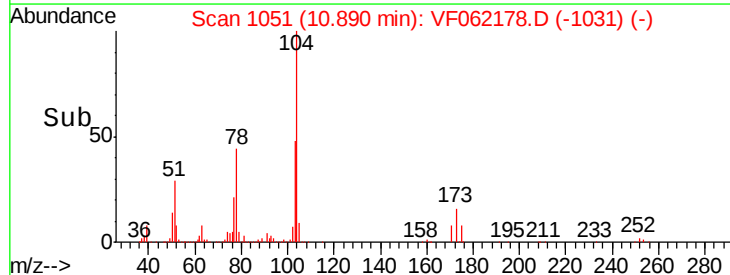
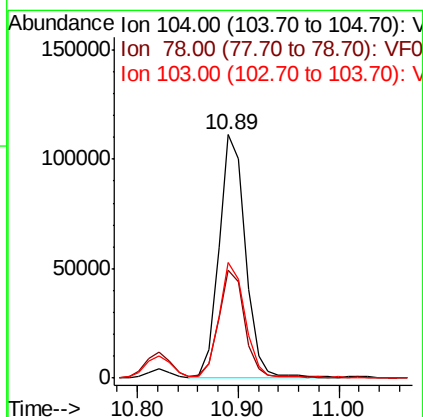
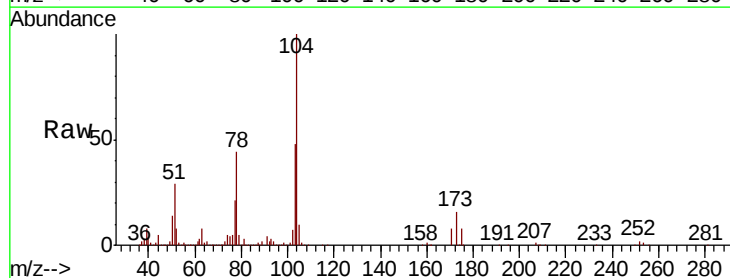
Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0416SBS01

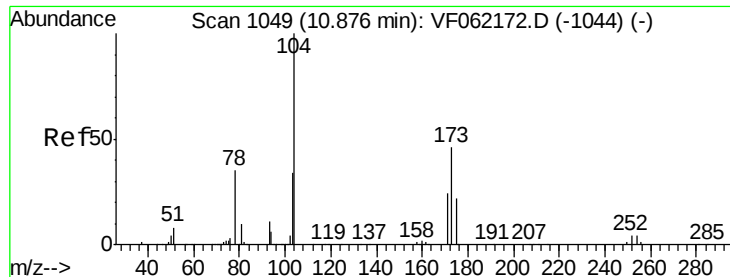
Tot Ion:106 Resp: 146910  
Ion Ratio Lower Upper  
106 100  
91 218.2 101.9 305.7



#70  
Styrene  
Concen: 19.828 ug/l  
RT: 10.89 min Scan# 1051  
Delta R.T. -0.00 min  
Lab File: VF062178.D  
Acq: 16 Apr 2019 16:17

Tgt Ion:104 Resp: 202786  
Ion Ratio Lower Upper  
104 100  
78 44.3 33.7 50.5  
103 47.7 37.2 55.8





#71

Bromoform

Concen: 20.997 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

VF0416SBS01

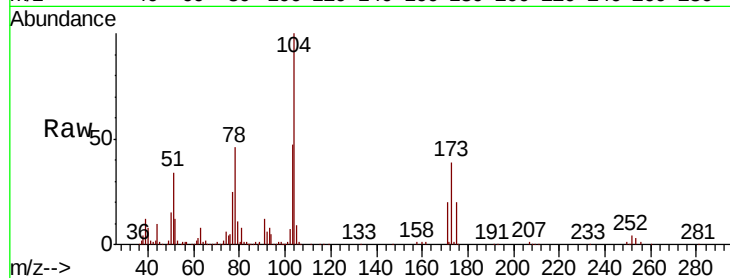
Tot Ion:173 Resp: 43210

Ion Ratio Lower Upper

173 100

175 50.2 24.3 72.8

254 0.0 6.6 9.8#

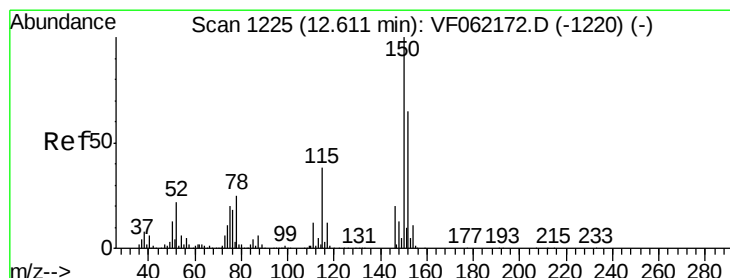
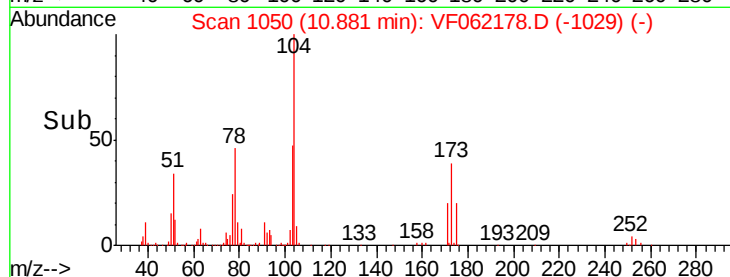
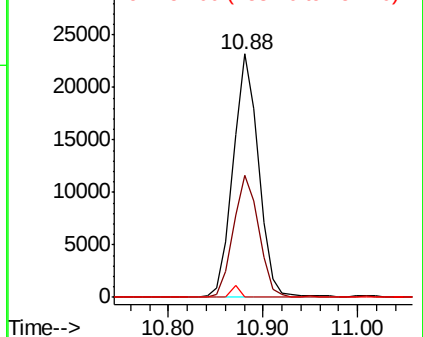


Abundance

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: 12.62 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

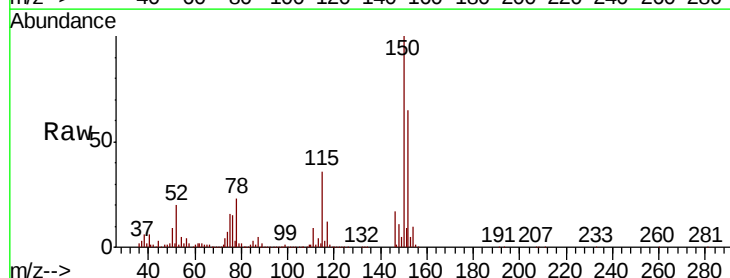
Tgt Ion:152 Resp: 236910

Ion Ratio Lower Upper

152 100

115 56.5 29.0 87.1

150 154.9 0.0 309.2

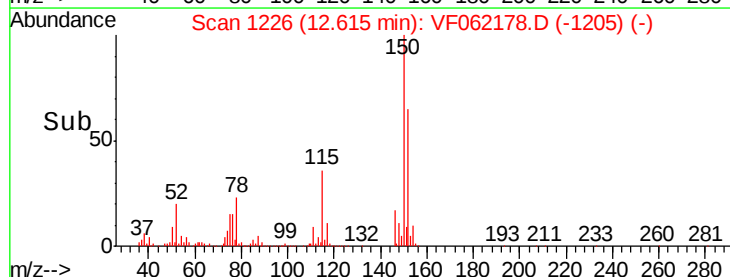
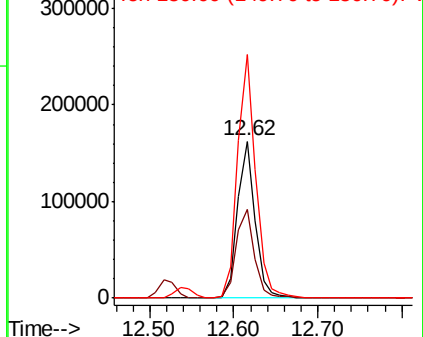


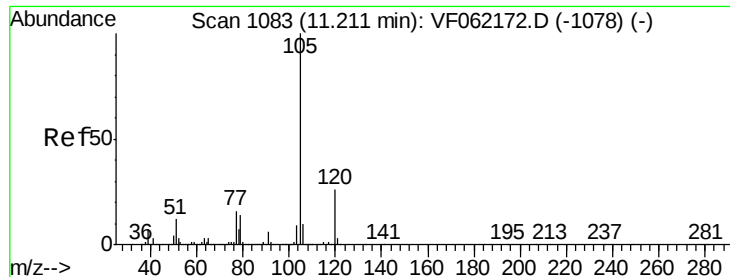
Abundance

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: 22.016 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

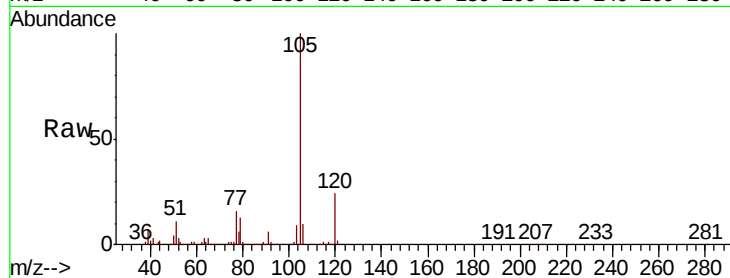
VF0416SBS01

Tot Ion:105 Resp: 449344

Ion Ratio Lower Upper

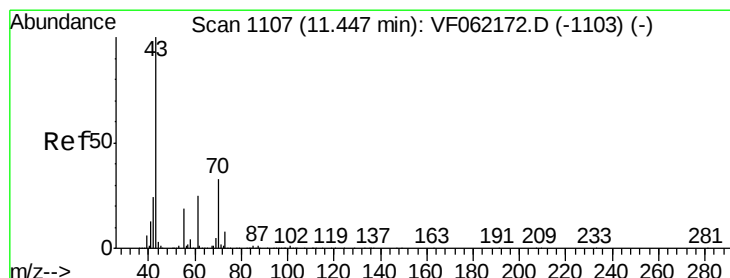
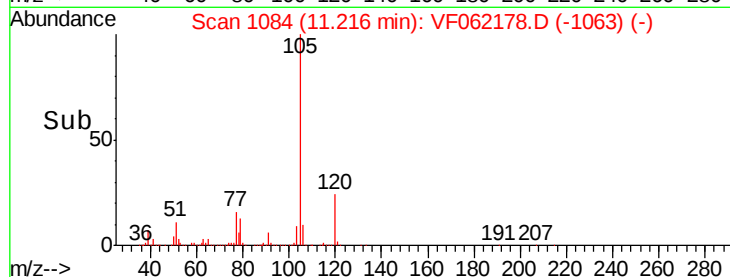
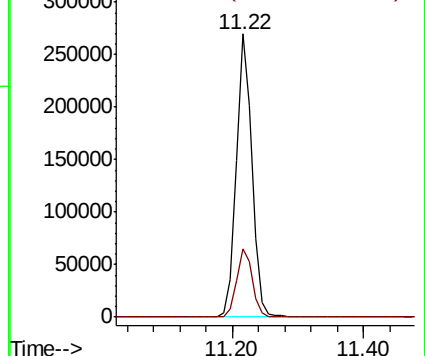
105 100

120 24.2 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.163 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Tgt Ion: 43 Resp: 118806

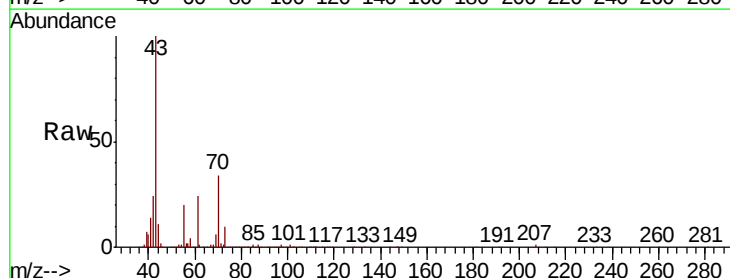
Ion Ratio Lower Upper

43 100

70 34.1 26.6 39.8

55 19.5 15.0 22.6

61 23.6 20.0 30.0

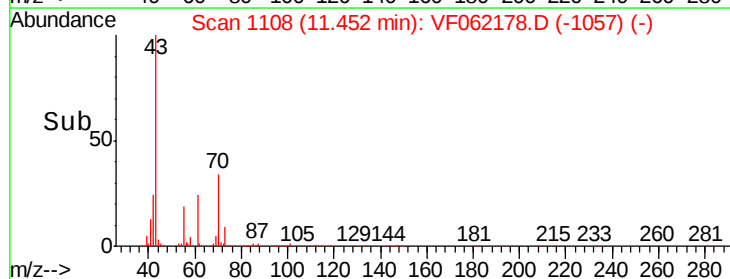
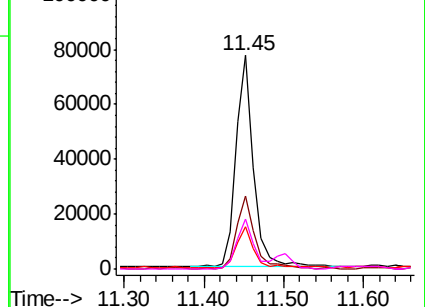


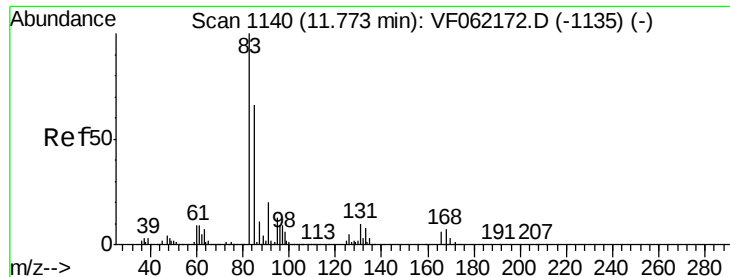
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.727 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

VF0416SBS01

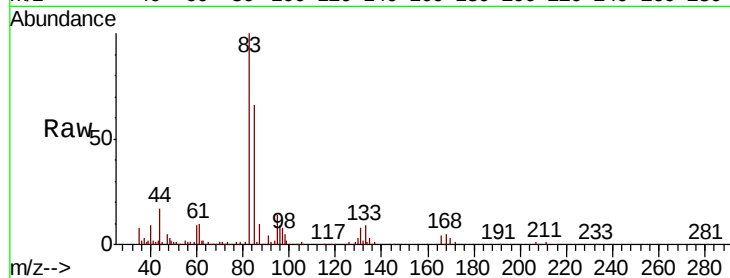
Tot Ion: 83 Resp: 75360

Ion Ratio Lower Upper

83 100

131 8.5 4.8 14.4

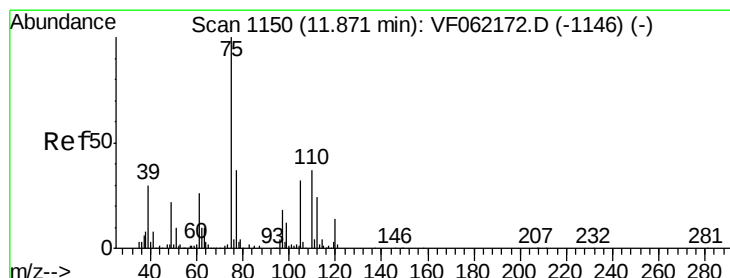
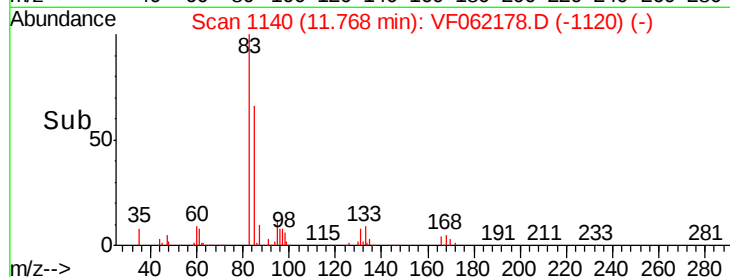
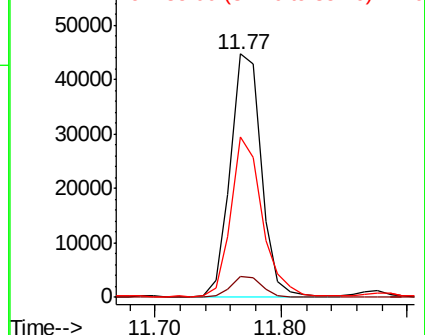
85 65.6 33.2 99.6



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: 19.742 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VF062178.D

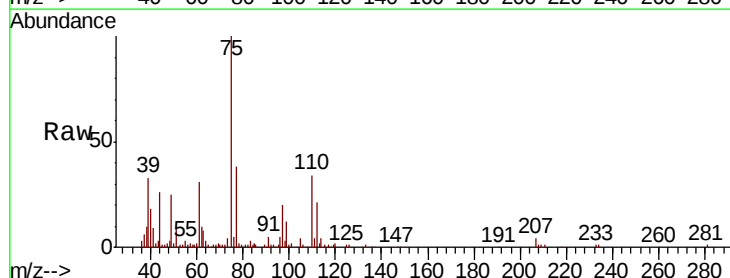
Acq: 16 Apr 2019 16:17

Tgt Ion: 75 Resp: 48678

Ion Ratio Lower Upper

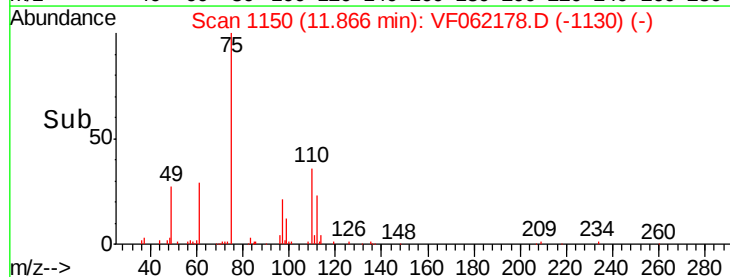
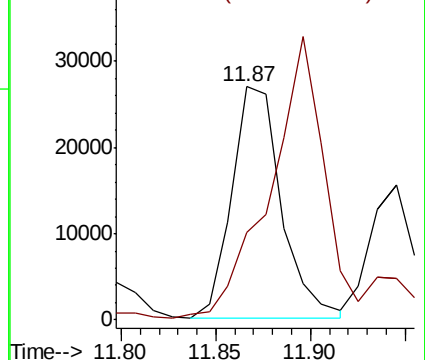
75 100

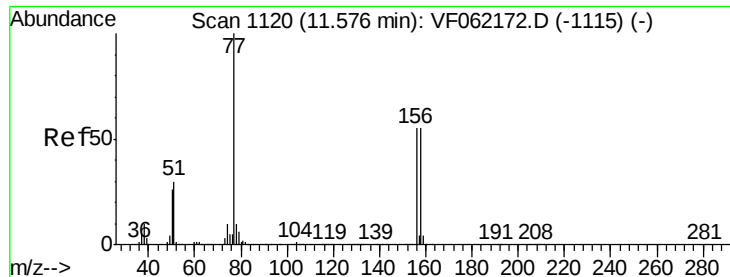
77 37.6 18.7 56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.029 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

VF0416SBS01

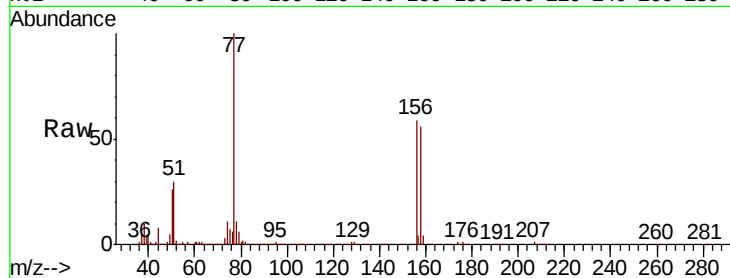
Tot Ion:156 Resp: 85017

Ion Ratio Lower Upper

156 100

77 168.8 91.1 273.4

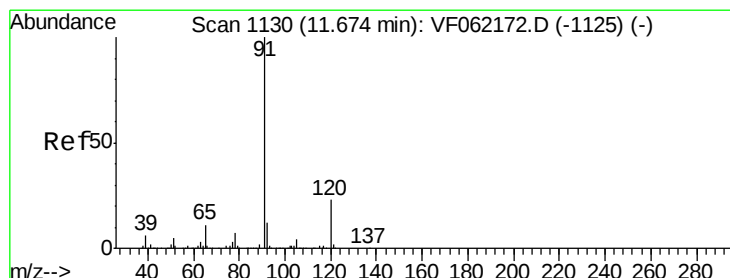
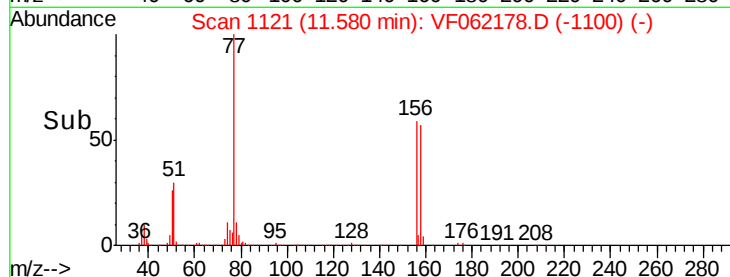
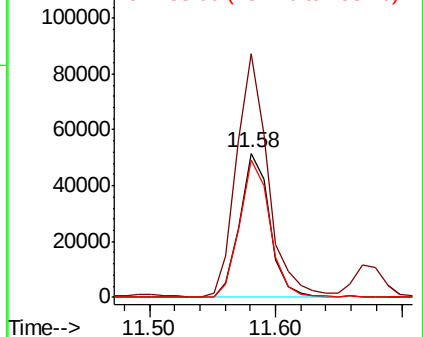
158 95.3 50.1 150.4



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



#78

n-propylbenzene

Concen: 20.840 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF062178.D

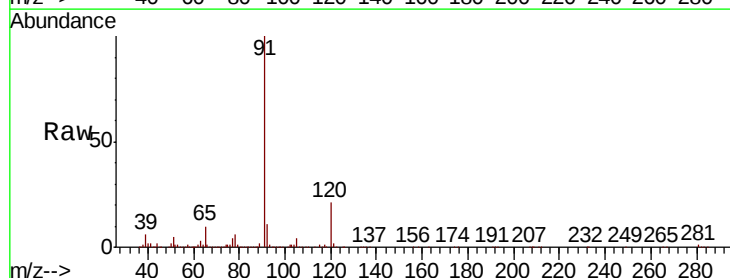
Acq: 16 Apr 2019 16:17

Tgt Ion: 91 Resp: 483470

Ion Ratio Lower Upper

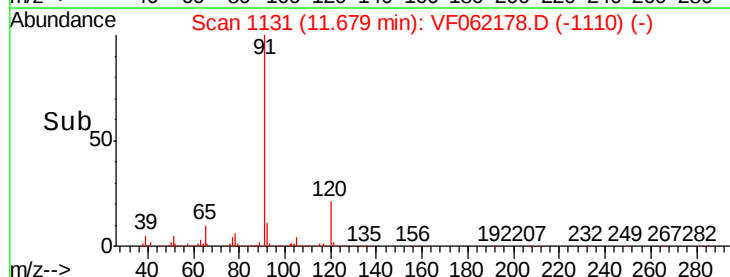
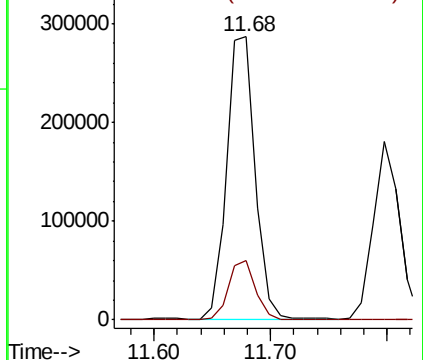
91 100

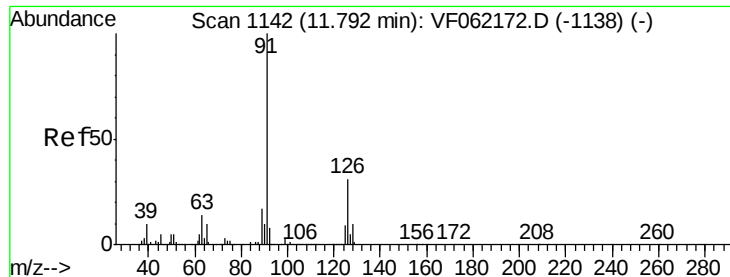
120 21.2 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.500 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

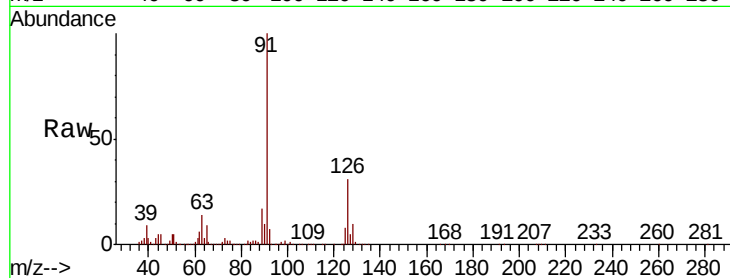
VF0416SBS01

Tot Ion: 91 Resp: 280337

Ion Ratio Lower Upper

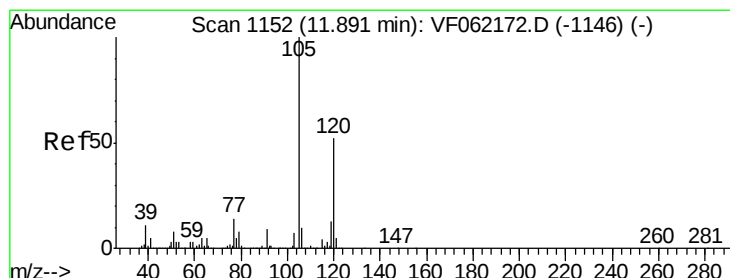
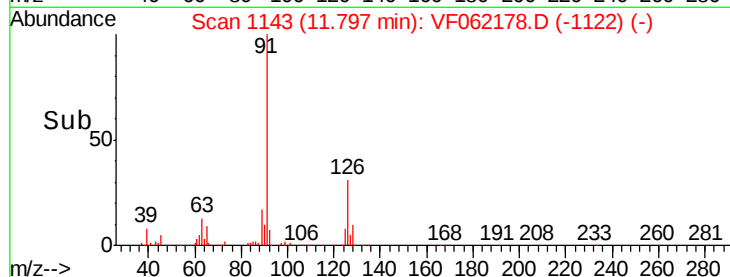
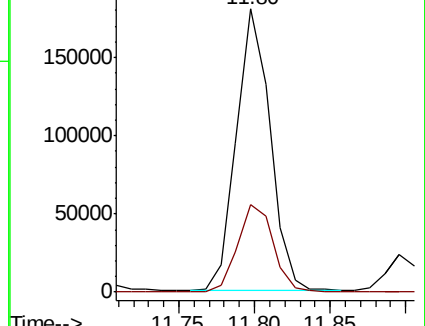
91 100

126 30.8 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.626 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062178.D

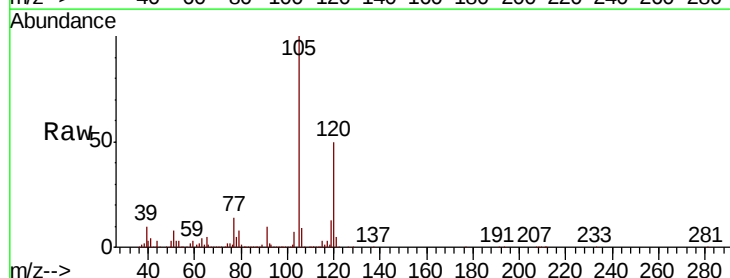
Acq: 16 Apr 2019 16:17

Tgt Ion:105 Resp: 368129

Ion Ratio Lower Upper

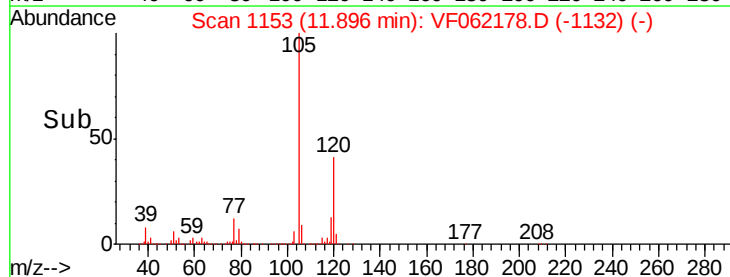
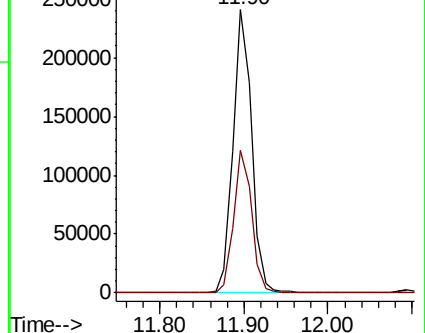
105 100

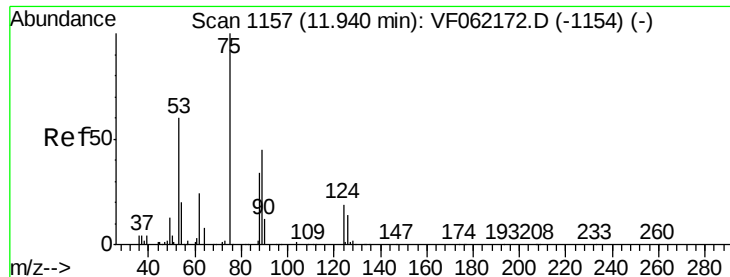
120 50.2 25.9 77.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 25.879 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

VF0416SBS01

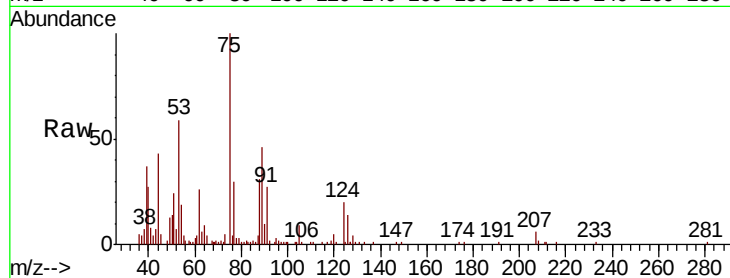
Tot Ion: 75 Resp: 31913

Ion Ratio Lower Upper

75 100

53 59.1 53.4 80.0

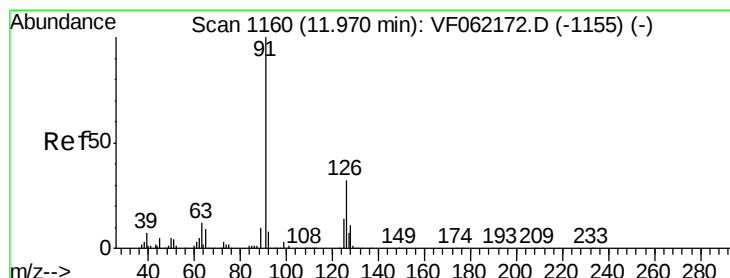
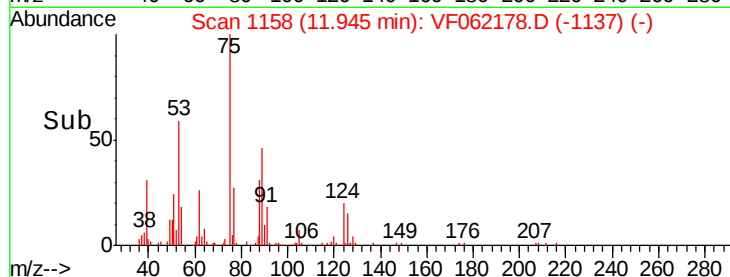
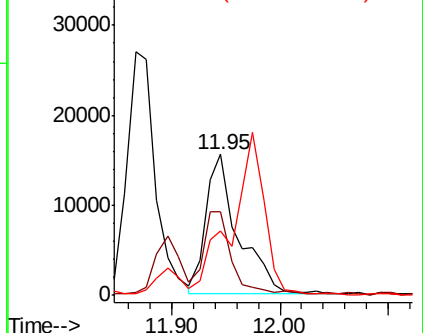
89 46.1 38.7 58.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 19.933 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF062178.D

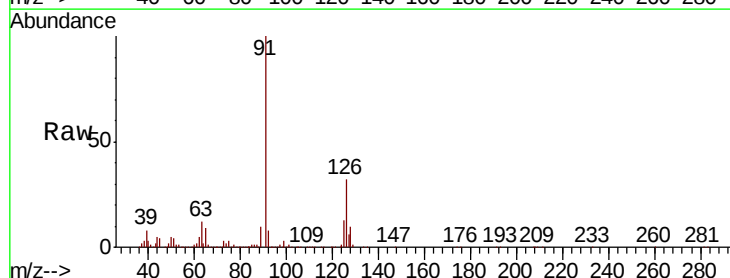
Acq: 16 Apr 2019 16:17

Tgt Ion: 91 Resp: 267123

Ion Ratio Lower Upper

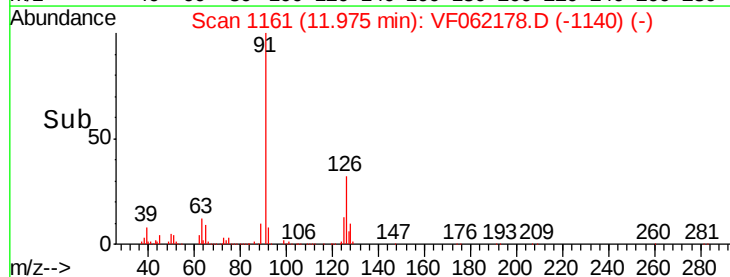
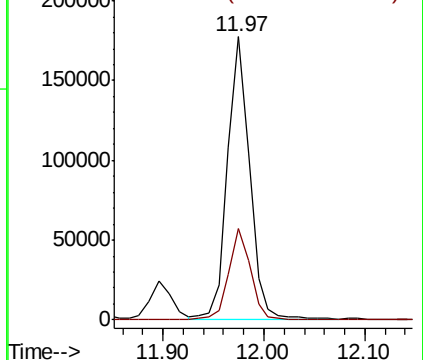
91 100

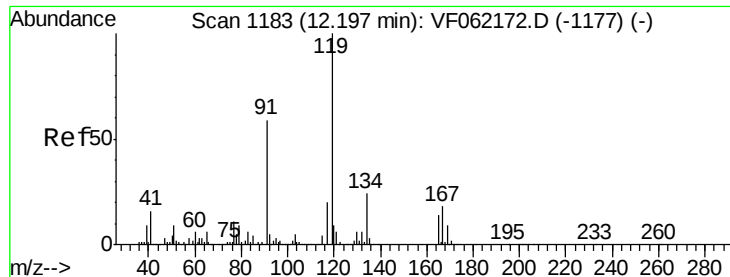
126 32.2 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

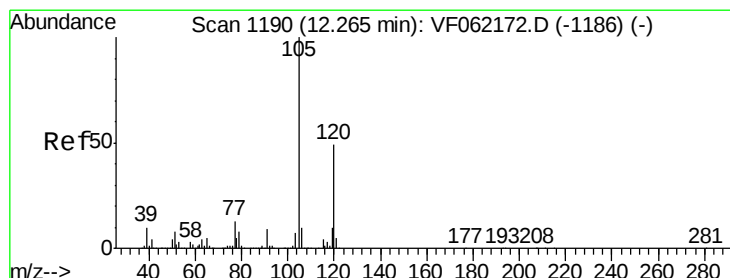
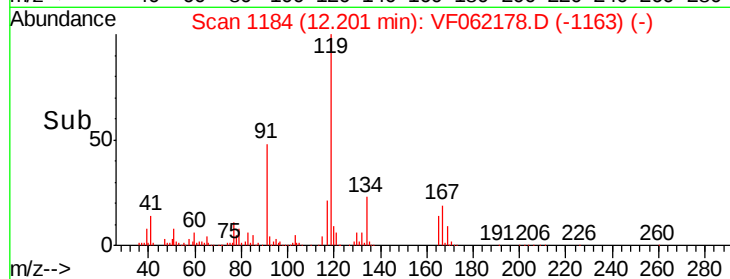
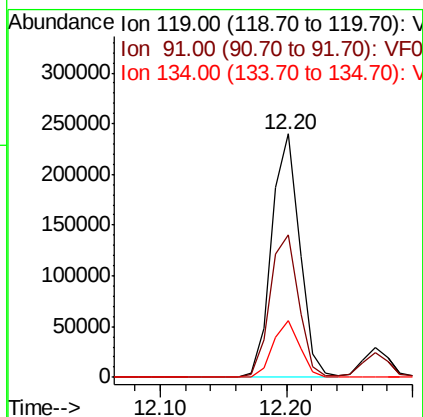
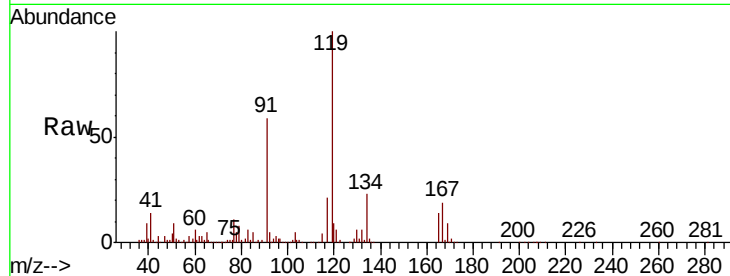




#83  
 tert-Butylbenzene  
 Concen: 21.939 ug/l  
 RT: 12.20 min Scan# 1184  
 Delta R.T. 0.00 min  
 Lab File: VF062178.D  
 Acq: 16 Apr 2019 16:17

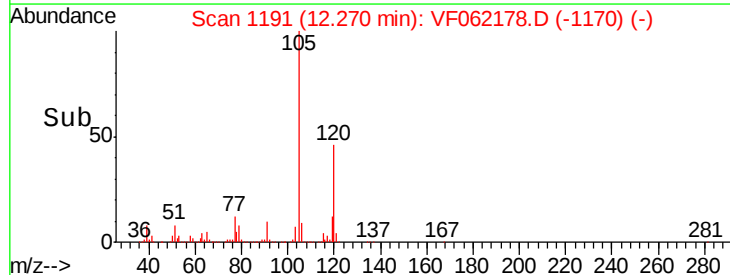
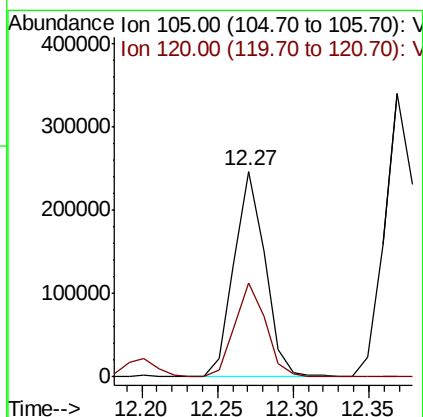
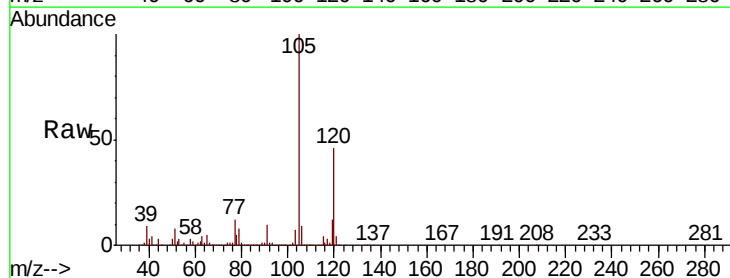
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0416SBS01

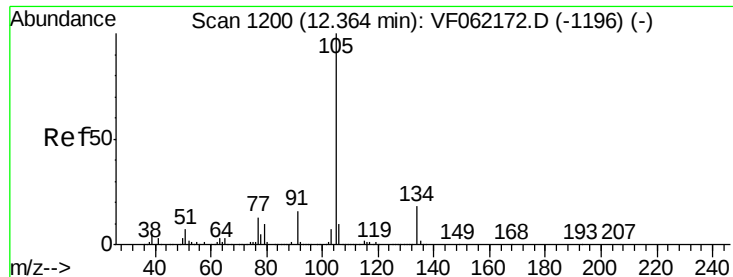
Tot Ion:119 Resp: 370836  
 Ion Ratio Lower Upper  
 119 100  
 91 58.7 29.5 88.5  
 134 23.2 12.0 36.1



#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.315 ug/l  
 RT: 12.27 min Scan# 1191  
 Delta R.T. 0.00 min  
 Lab File: VF062178.D  
 Acq: 16 Apr 2019 16:17

Tgt Ion:105 Resp: 352123  
 Ion Ratio Lower Upper  
 105 100  
 120 45.6 24.7 74.1

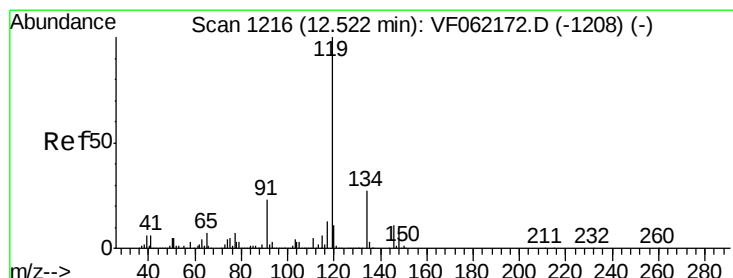
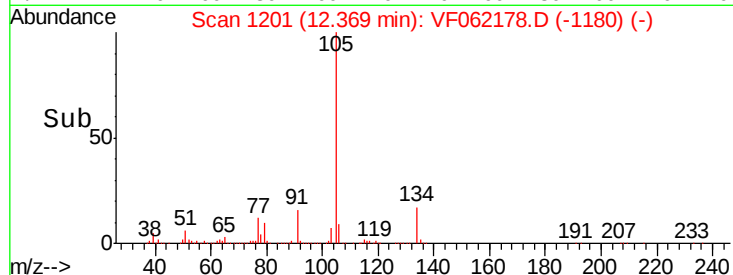
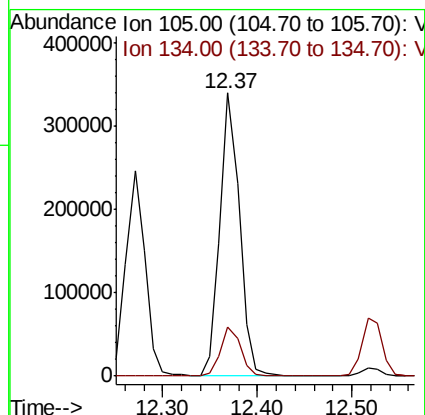
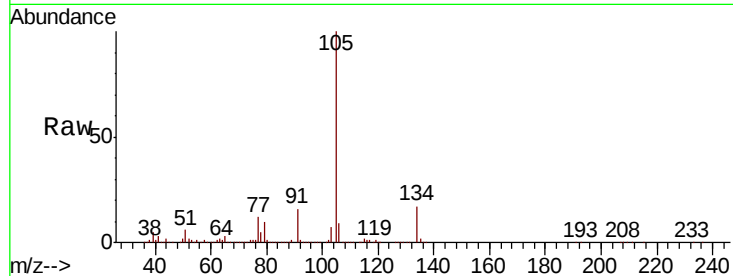




#85  
 sec-Butylbenzene  
 Concen: 22.008 ug/l  
 RT: 12.37 min Scan# 1201  
 Delta R.T. 0.00 min  
 Lab File: VF062178.D  
 Acq: 16 Apr 2019 16:17

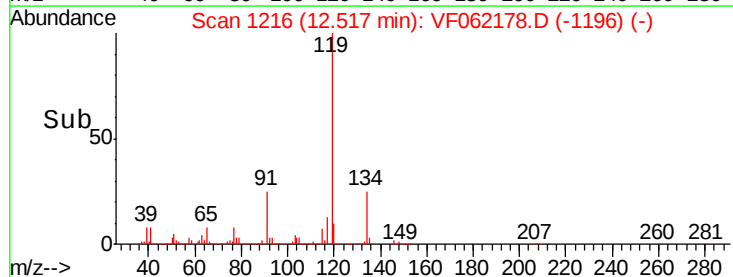
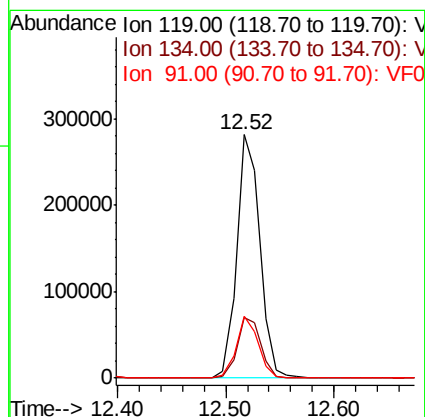
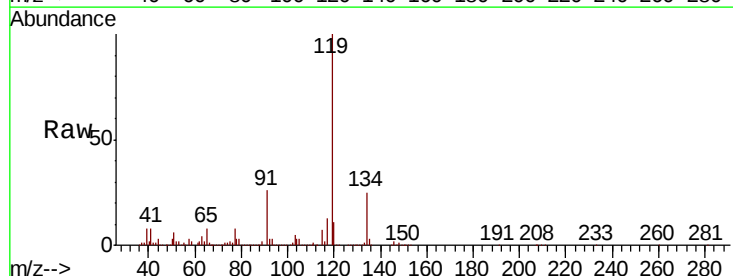
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0416SBS01

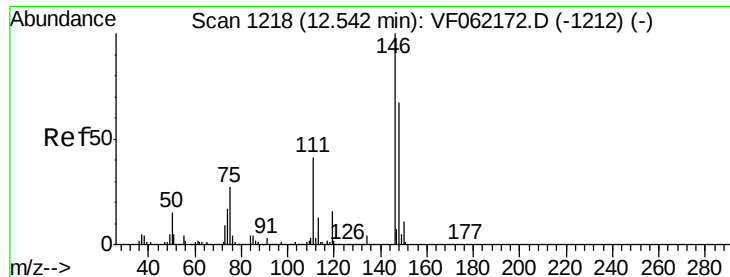
Tot Ion:105 Resp: 489151  
 Ion Ratio Lower Upper  
 105 100  
 134 17.3 9.0 27.0



#86  
 p-Isopropyltoluene  
 Concen: 22.144 ug/l  
 RT: 12.52 min Scan# 1216  
 Delta R.T. -0.00 min  
 Lab File: VF062178.D  
 Acq: 16 Apr 2019 16:17

Tgt Ion:119 Resp: 419292  
 Ion Ratio Lower Upper  
 119 100  
 134 24.8 13.5 40.5  
 91 25.6 11.5 34.5





#87

1,3-Dichlorobenzene

Concen: 21.057 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

VF0416SBS01

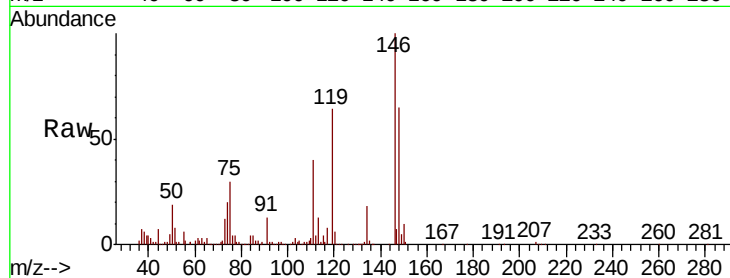
Tot Ion:146 Resp: 163526

Ion Ratio Lower Upper

146 100

111 40.1 20.5 61.6

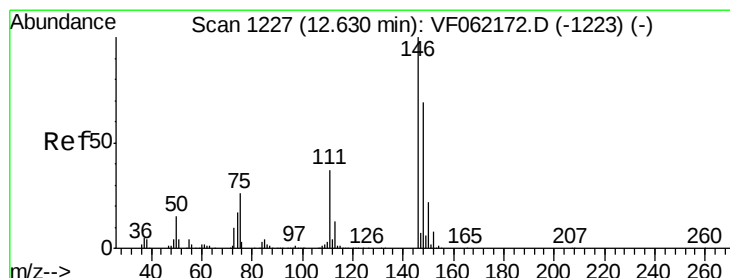
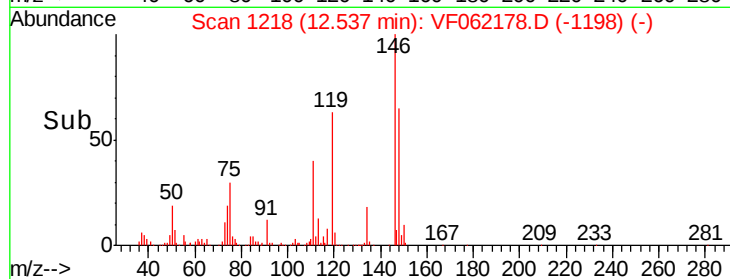
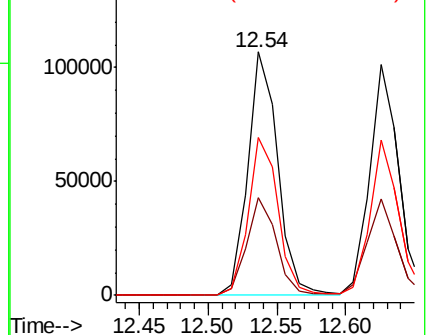
148 64.9 33.6 100.8



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



#88

1,4-Dichlorobenzene

Concen: 19.892 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

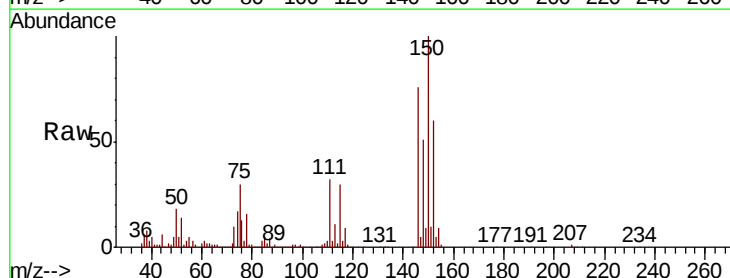
Tgt Ion:146 Resp: 150614

Ion Ratio Lower Upper

146 100

111 41.9 18.6 55.6

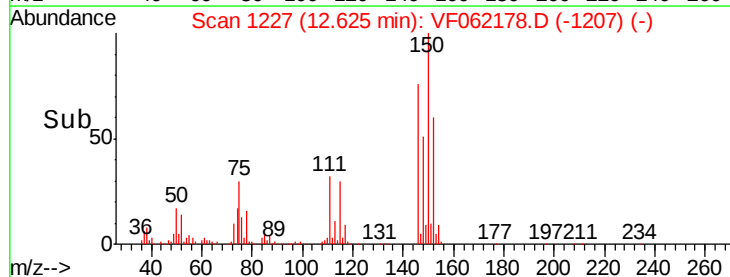
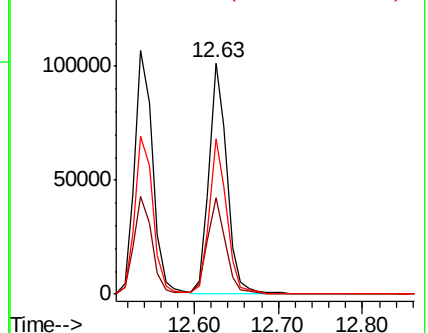
148 67.4 34.3 102.8

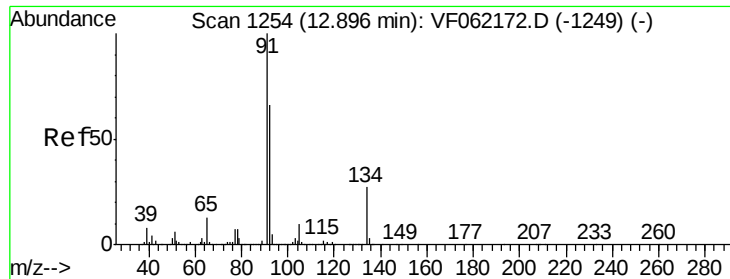


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 20.811 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062178.D

Acq: 16 Apr 2019 16:17

Instrument :

MSVOA\_F

ClientSampleId :

VF0416SBS01

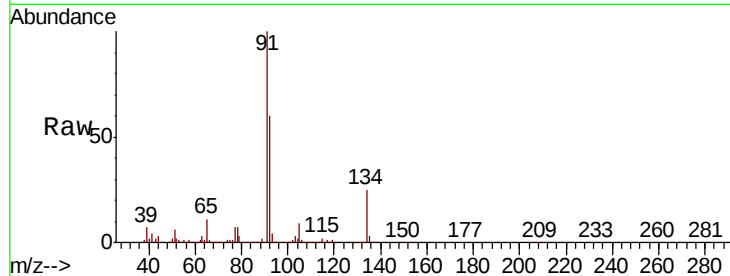
Tot Ion: 91 Resp: 417253

Ion Ratio Lower Upper

91 100

92 60.2 32.9 98.6

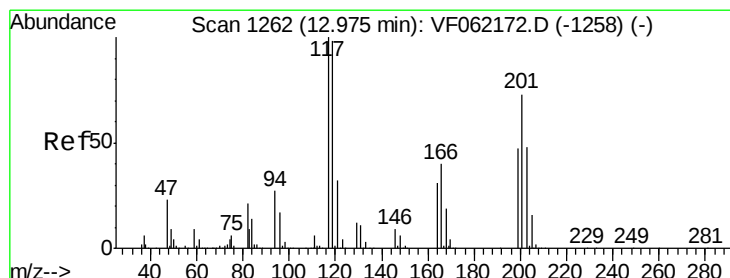
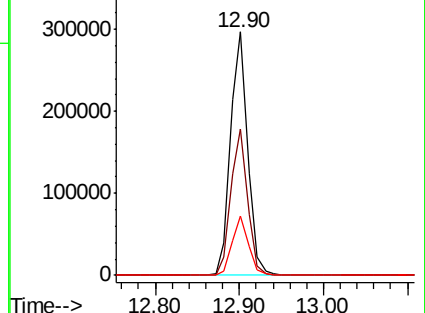
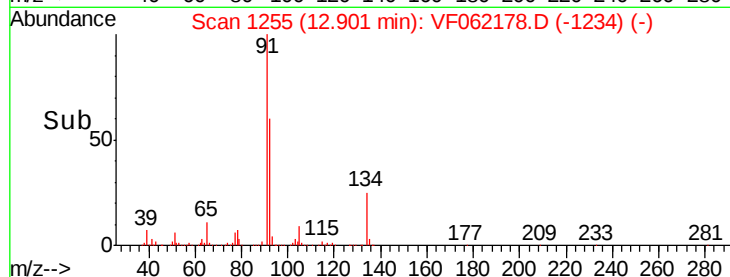
134 24.5 13.4 40.2



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: 21.862 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VF062178.D

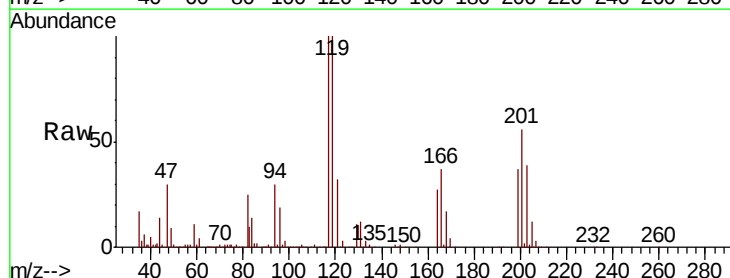
Acq: 16 Apr 2019 16:17

Tgt Ion: 117 Resp: 101399

Ion Ratio Lower Upper

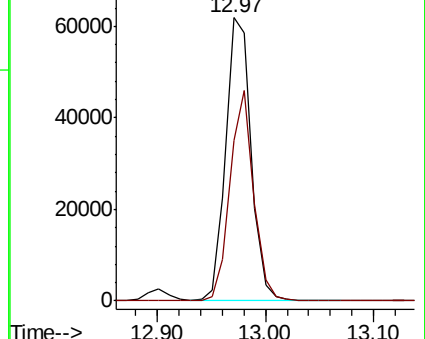
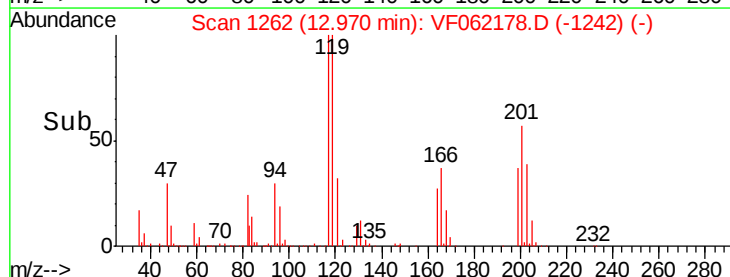
117 100

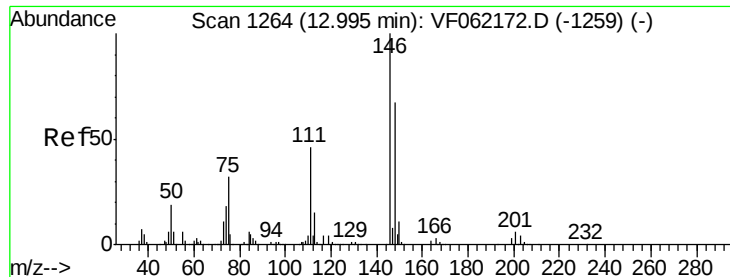
201 56.5 36.7 110.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

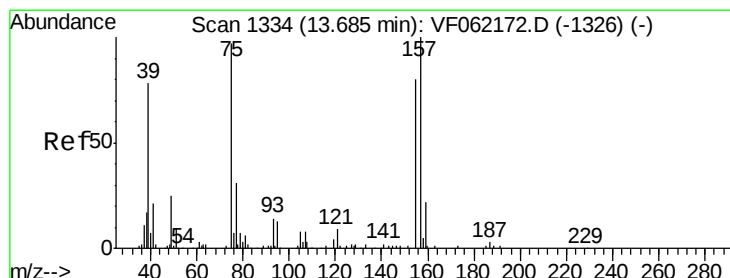
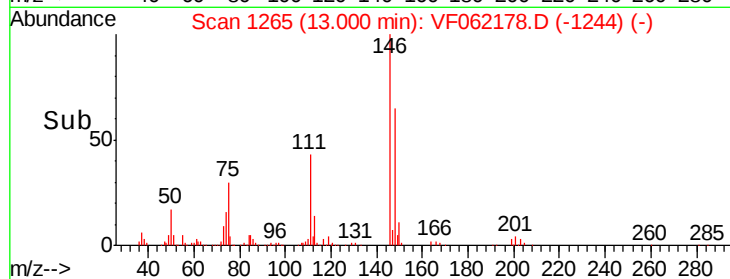
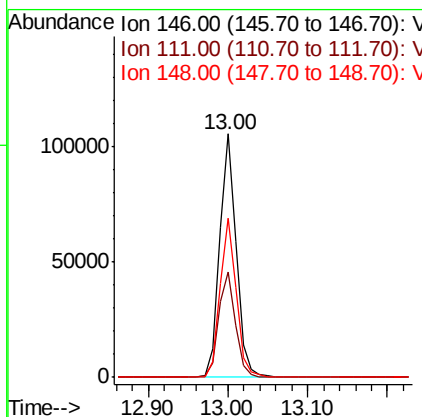
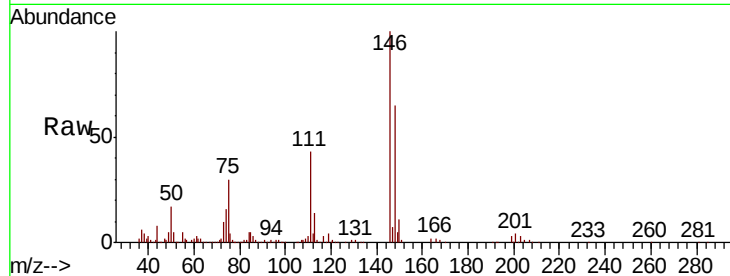




#91  
 1,2-Dichlorobenzene  
 Concen: 20.965 ug/l  
 RT: 13.00 min Scan# 1265  
 Delta R.T. 0.00 min  
 Lab File: VF062178.D  
 Acq: 16 Apr 2019 16:17

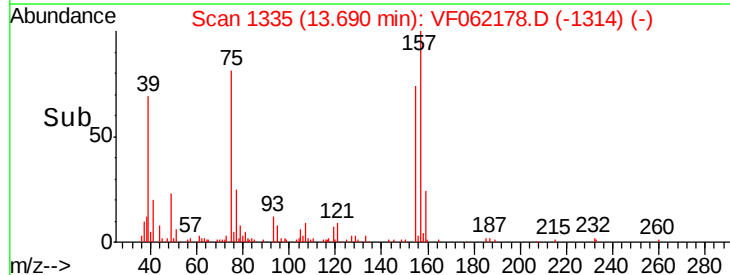
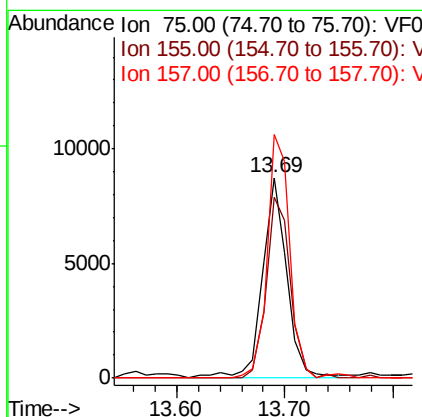
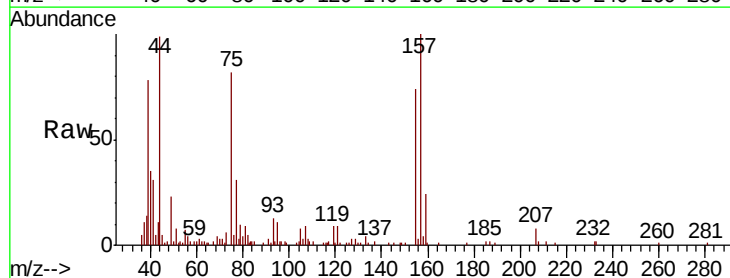
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0416SBS01

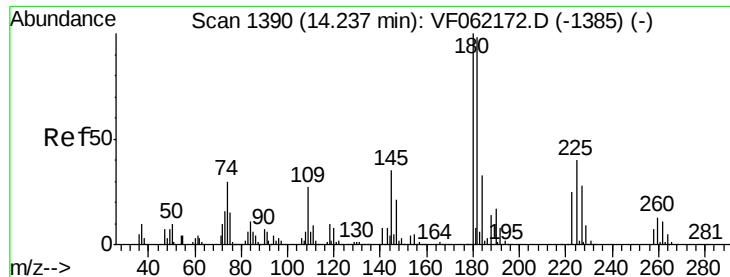
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.3  | 22.9  | 68.8  |
| 148     | 65.3  | 33.6  | 100.6 |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.210 ug/l  
 RT: 13.69 min Scan# 1335  
 Delta R.T. 0.00 min  
 Lab File: VF062178.D  
 Acq: 16 Apr 2019 16:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 89.9  | 41.0  | 123.0 |
| 157     | 121.3 | 51.3  | 154.0 |

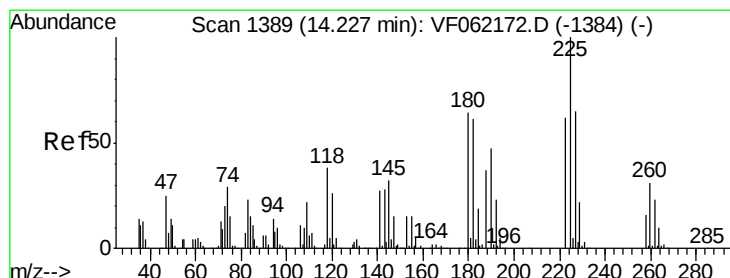
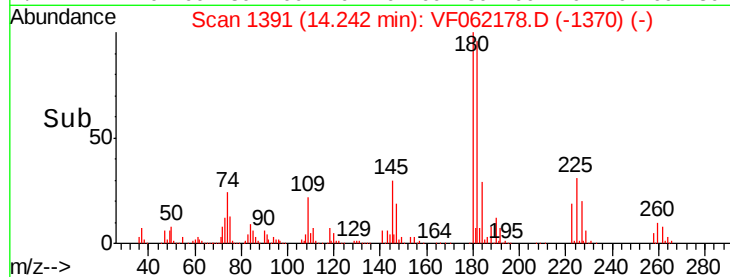
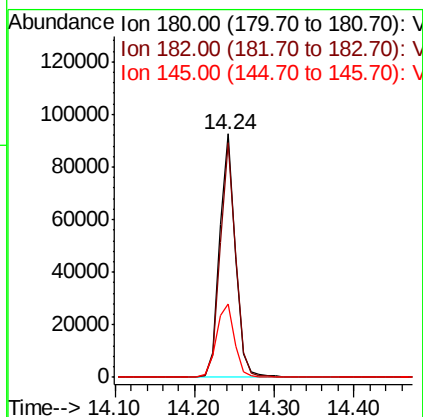
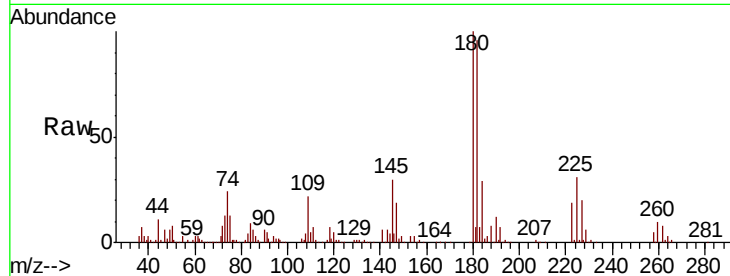




#93  
 1,2,4-Trichlorobenzene  
 Concen: 23.445 ug/l  
 RT: 14.24 min Scan# 1391  
 Delta R.T. 0.00 min  
 Lab File: VF062178.D  
 Acq: 16 Apr 2019 16:17

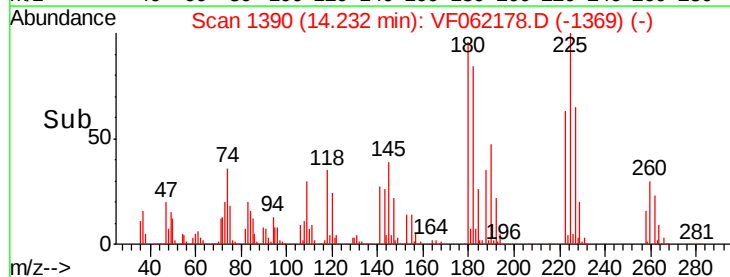
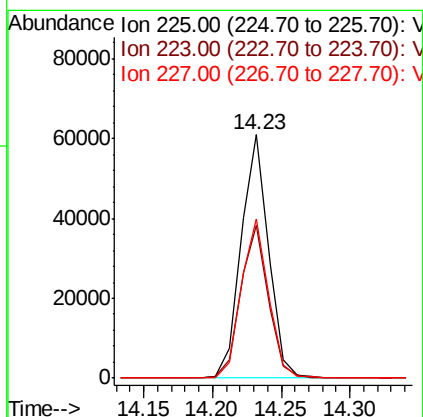
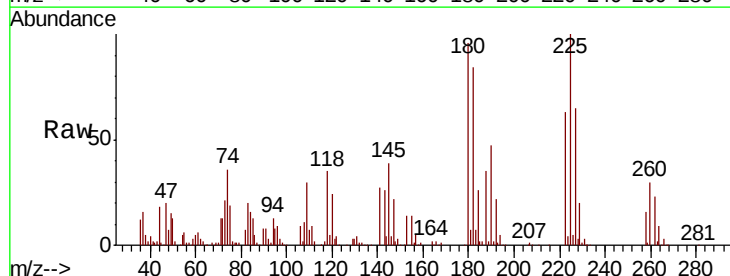
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0416SBS01

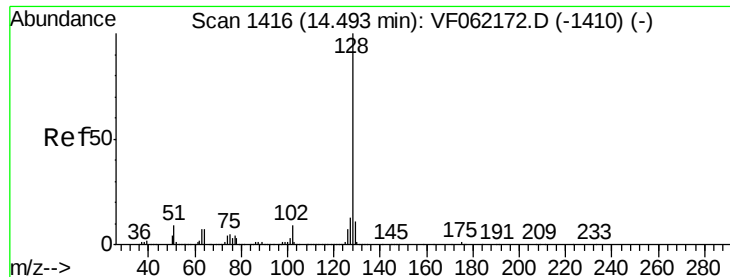
Tot Ion:180 Resp: 131226  
 Ion Ratio Lower Upper  
 180 100  
 182 96.5 48.8 146.4  
 145 30.2 17.3 52.0



#94  
 Hexachlorobutadiene  
 Concen: 23.271 ug/l  
 RT: 14.23 min Scan# 1390  
 Delta R.T. 0.00 min  
 Lab File: VF062178.D  
 Acq: 16 Apr 2019 16:17

Tgt Ion:225 Resp: 84887  
 Ion Ratio Lower Upper  
 225 100  
 223 62.9 30.9 92.7  
 227 65.2 32.3 96.9

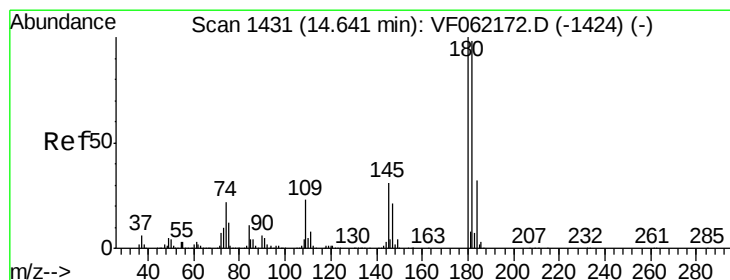
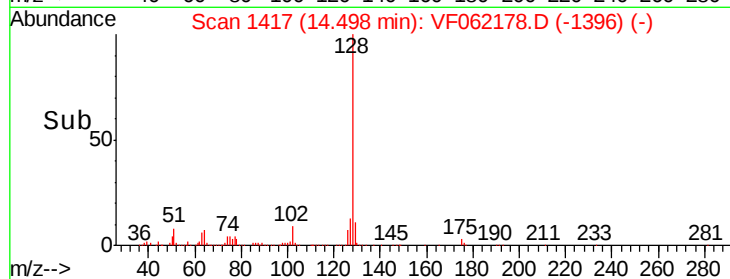
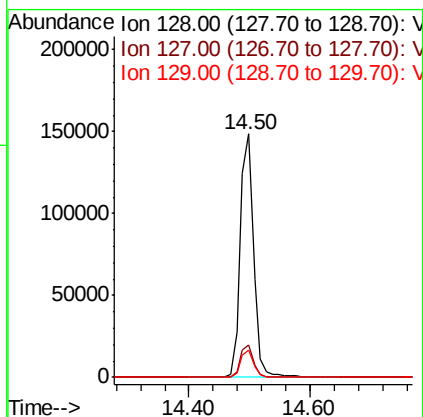
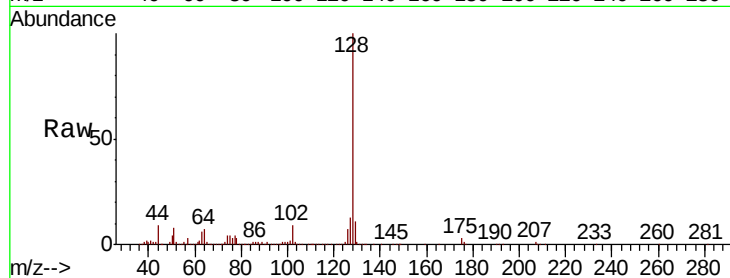




#95  
Naphthalene  
Concen: 23.286 ug/l  
RT: 14.50 min Scan# 1417  
Delta R.T. 0.00 min  
Lab File: VF062178.D  
Acq: 16 Apr 2019 16:17

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0416SBS01

Tot Ion:128 Resp: 227711  
Ion Ratio Lower Upper  
128 100  
127 13.5 10.3 15.5  
129 11.1 9.2 13.8



#96  
1,2,3-Trichlorobenzene  
Concen: 23.225 ug/l  
RT: 14.64 min Scan# 1431  
Delta R.T. -0.00 min  
Lab File: VF062178.D  
Acq: 16 Apr 2019 16:17

Tgt Ion:180 Resp: 121115  
Ion Ratio Lower Upper  
180 100  
182 92.8 49.0 147.2  
145 34.0 15.4 46.2

