

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041919\  
 Data File : VF062227.D  
 Acq On : 19 Apr 2019 16:16  
 Operator : FY/SY  
 Sample : K2441-02RE  
 Misc : 5.31g/5mL/MSVOA F/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 TP-18-S2RE

Quant Time: Apr 19 16:39:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82F041719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 19 03:56:19 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.03  | 168  | 218      | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.78  | 114  | 148      | 50.00 | ug/l  | 0.02     |
| 63) Chlorobenzene-d5       | 9.91  | 117  | 449      | 50.00 | ug/l  | 0.02     |
| 72) 1,4-Dichlorobenzene-d4 | 12.66 | 152  | 341      | 50.00 | ug/l  | 0.06     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 4.99  | 65   | 228      | 114.06 | ug/l    | -0.03    |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 228.12% |          |
| 35) Dibromofluoromethane    | 4.28  | 113  | 71       | 54.84  | ug/l    | -0.02    |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 109.68% |          |
| 50) Toluene-d8              | 7.73  | 98   | 327      | 99.78  | ug/l    | 0.03     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 199.56% |          |
| 62) 4-Bromofluorobenzene    | 11.52 | 95   | 442      | 350.60 | ug/l    | 0.04     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 701.20% |          |

| Target Compounds              | R.T. | QIon | Response | Conc     | Units  | Qvalue |
|-------------------------------|------|------|----------|----------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.01 | 85   | 222      | 67.010   | ug/l # | 42     |
| 3) Chloromethane              | 1.15 | 50   | 194      | 56.655   | ug/l # | 41     |
| 4) Vinyl Chloride             | 1.19 | 62   | 92       | 31.272   | ug/l # | 1      |
| 5) Bromomethane               | 1.41 | 94   | 162      | 94.792   | ug/l # | 84     |
| 6) Chloroethane               | 1.48 | 64   | 63       | 51.226   | ug/l # | 41     |
| 8) Diethyl Ether              | 1.70 | 74   | 65       | 83.563   | ug/l # | 1      |
| 9) 1,1,2-Trichlorotrifluoroet | 1.97 | 101  | 61       | 23.892   | ug/l # | 32     |
| 10) Methyl Iodide             | 1.97 | 142  | 66       | 14.551   | ug/l # | 1      |
| 11) Tert butyl alcohol        | 2.70 | 59   | 70       | 503.781  | ug/l # | 1      |
| 12) 1,1-Dichloroethene        | 1.85 | 96   | 228      | 93.888   | ug/l # | 1      |
| 13) Acrolein                  | 2.10 | 56   | 455      | 2967.774 | ug/l # | 14     |
| 14) Allvl chloride            | 2.20 | 41   | 449      | 161.109  | ug/l # | 29     |
| 15) Acrylonitrile             | 3.07 | 53   | 112      | 264.646  | ug/l # | 15     |
| 16) Acetone                   | 2.33 | 43   | 837      | 1751.776 | ug/l # | 52     |
| 17) Carbon Disulfide          | 1.92 | 76   | 164      | 24.303   | ug/l # | 71     |
| 18) Methyl Acetate            | 2.48 | 43   | 751      | 819.464  | ug/l # | 85     |
| 19) Methyl tert-butyl Ether   | 2.55 | 73   | 344      | 80.231   | ug/l # | 58     |
| 20) Methylene Chloride        | 2.35 | 84   | 187      | 83.938   | ug/l # | 11     |
| 21) trans-1,2-Dichloroethene  | 2.39 | 96   | 1030     | 428.896  | ug/l # | 1      |
| 22) Diisopropyl ether         | 2.92 | 45   | 1067     | 149.670  | ug/l # | 1      |
| 23) Vinyl Acetate             | 3.33 | 43   | 575      | 169.288  | ug/l # | 79     |
| 24) 1,1-Dichloroethane        | 2.97 | 63   | 179      | 45.900   | ug/l # | 88     |
| 25) 2-Butanone                | 4.55 | 43   | 642      | 671.982  | ug/l # | 85     |
| 26) 2,2-Dichloropropane       | 3.60 | 77   | 377      | 191.478  | ug/l # | 97     |
| 27) cis-1,2-Dichloroethene    | 3.67 | 96   | 799      | 256.919  | ug/l # | 10     |
| 28) Bromochloromethane        | 4.02 | 49   | 77       | 41.218   | ug/l # | 8      |
| 29) Tetrahydrofuran           | 4.24 | 42   | 675      | 1560.912 | ug/l # | 58     |
| 30) Chloroform                | 4.05 | 83   | 123      | 25.664   | ug/l # | 18     |
| 31) Cyclohexane               | 3.87 | 56   | 515      | 110.196  | ug/l # | 17     |
| 32) 1,1,1-Trichloroethane     | 4.29 | 97   | 507      | 144.519  | ug/l # | 25     |
| 36) 1,1-Dichloropropene       | 4.48 | 75   | 66       | 37.195   | ug/l # | 1      |
| 37) Ethyl Acetate             | 4.32 | 43   | 892      | 1065.298 | ug/l # | 74     |
| 38) Carbon Tetrachloride      | 4.22 | 117  | 62       | 39.475   | ug/l # | 13     |
| 39) Methylcyclohexane         | 5.63 | 83   | 300      | 141.206  | ug/l # | 26     |

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Quant Time: Apr 19 16:39:48 2019  
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 Quant Title : SW846 8260  
 QLast Update : Fri Apr 19 03:56:19 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 40) Benzene                    | 4.83  | 78   | 458      | 98.404    | ug/l   | 96       |
| 41) Methacrylonitrile          | 4.90  | 41   | 393      | 813.683   | ug/l # | 20       |
| 42) 1,2-Dichloroethane         | 5.14  | 62   | 101      | 82.086    | ug/l # | 1        |
| 43) Isopropyl Acetate          | 7.10  | 43   | 2379     | 2701.386  | ug/l # | 45       |
| 44) Trichloroethene            | 5.60  | 130  | 164      | 130.400   | ug/l   | 2        |
| 45) 1,2-Dichloropropane        | 6.43  | 63   | 154      | 150.212   | ug/l # | 42       |
| 46) Dibromomethane             | 6.27  | 93   | 95       | 139.276   | ug/l # | 1        |
| 47) Bromodichloromethane       | 6.56  | 83   | 417      | 270.911   | ug/l # | 24       |
| 48) Methyl methacrylate        | 6.91  | 41   | 1137     | 1964.558  | ug/l # | 38       |
| 49) 1,4-Dioxane                | 6.69  | 88   | 70       | 10546.257 | ug/l # | 47       |
| 51) 4-Methyl-2-Pentanone       | 8.19  | 43   | 484      | 738.910   | ug/l   | 89       |
| 52) Toluene                    | 7.55  | 92   | 68       | 27.717    | ug/l   | 77       |
| 53) t-1,3-Dichloropropene      | 8.42  | 75   | 269      | 232.677   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 7.50  | 75   | 143      | 91.443    | ug/l # | 1        |
| 55) 1,1,2-Trichloroethane      | 8.65  | 97   | 83       | 120.764   | ug/l # | 55       |
| 56) Ethyl methacrylate         | 8.79  | 69   | 839      | 1073.691  | ug/l # | 6        |
| 57) 1,3-Dichloropropane        | 8.99  | 76   | 125      | 112.631   | ug/l # | 1        |
| 58) 2-Chloroethyl Vinyl ether  | 7.43  | 63   | 144      | 634.720   | ug/l # | 48       |
| 59) 2-Hexanone                 | 9.72  | 43   | 834      | 2040.782  | ug/l   | 83       |
| 60) Dibromochloromethane       | 8.83  | 129  | 127      | 124.250   | ug/l # | 10       |
| 61) 1,2-Dibromoethane          | 9.31  | 107  | 163      | 210.508   | ug/l   | 98       |
| 64) Tetrachloroethene          | 8.10  | 164  | 60       | 14.803    | ug/l # | 1        |
| 65) Chlorobenzene              | 9.96  | 112  | 134      | 13.996    | ug/l # | 42       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.03 | 131  | 79       | 17.620    | ug/l # | 1        |
| 67) Ethyl Benzene              | 10.05 | 91   | 852      | 48.940    | ug/l # | 44       |
| 68) m/p-Xylenes                | 10.25 | 106  | 76       | 11.859    | ug/l # | 1        |
| 69) o-Xylene                   | 10.76 | 106  | 118      | 16.584    | ug/l   | 96       |
| 70) Stvrene                    | 10.87 | 104  | 65       | 6.473     | ug/l # | 1        |
| 71) Bromoform                  | 10.85 | 173  | 73       | 30.838    | ug/l # | 28       |
| 73) Isopropylbenzene           | 10.97 | 105  | 354      | 12.085    | ug/l   | 90       |
| 74) N-amyl acetate             | 11.44 | 43   | 2564     | 383.578   | ug/l # | 62       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.78 | 83   | 228      | 45.260    | ug/l # | 84       |
| 76) 1,2,3-Trichloropropane     | 11.90 | 75   | 161      | 46.453    | ug/l # | 1        |
| 77) Bromobenzene               | 11.49 | 156  | 79       | 12.590    | ug/l # | 1        |
| 78) n-propylbenzene            | 11.69 | 91   | 239      | 7.734     | ug/l   | 94       |
| 79) 2-Chlorotoluene            | 11.77 | 91   | 384      | 20.486    | ug/l # | 69       |
| 80) 1,3,5-Trimethylbenzene     | 11.90 | 105  | 818      | 33.529    | ug/l   | 81       |
| 81) trans-1,4-Dichloro-2-buten | 11.94 | 75   | 180      | 101.834   | ug/l # | 19       |
| 82) 4-Chlorotoluene            | 11.97 | 91   | 584      | 32.239    | ug/l # | 63       |
| 83) tert-Butylbenzene          | 12.38 | 119  | 401      | 15.894    | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene     | 12.29 | 105  | 386      | 16.350    | ug/l   | 97       |
| 85) sec-Butylbenzene           | 12.37 | 105  | 362      | 11.052    | ug/l   | 95       |
| 86) p-Isopropyltoluene         | 12.49 | 119  | 601      | 21.631    | ug/l # | 1        |
| 87) 1,3-Dichlorobenzene        | 12.50 | 146  | 65       | 5.582     | ug/l # | 32       |
| 88) 1,4-Dichlorobenzene        | 12.61 | 146  | 334      | 29.737    | ug/l # | 2        |
| 89) n-Butylbenzene             | 12.88 | 91   | 199      | 3.926     | ug/l # | 17       |
| 90) Hexachloroethane           | 12.94 | 117  | 83       | 11.633    | ug/l # | 12       |
| 91) 1,2-Dichlorobenzene        | 12.96 | 146  | 67       | 5.959     | ug/l # | 24       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.70 | 75   | 132      | 133.368   | ug/l # | 49       |
| 95) Naphthalene                | 14.50 | 128  | 122      | 7.417     | ug/l # | 8        |

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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
TP-18-S2RE

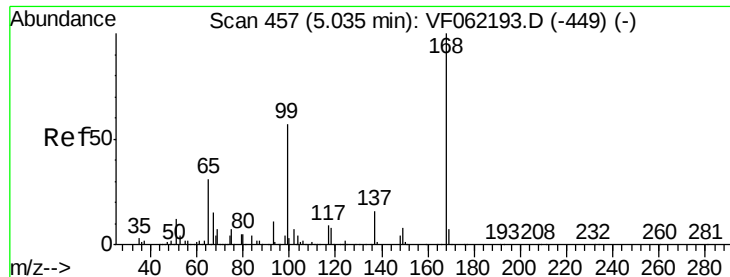
Quant Time: Apr 19 16:39:48 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82F041719S.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 19 03:56:19 2019  
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

|       |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|
| ----- |  |  |  |  |  |  |
| ----- |  |  |  |  |  |  |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampleId :

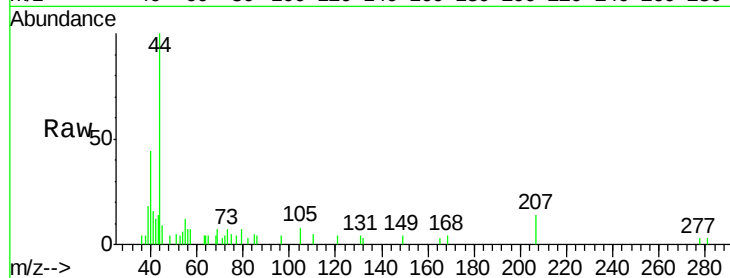
TP-18-S2RE

Tot Ion:168 Resp: 218

Ion Ratio Lower Upper

168 100

99 0.0 45.5 68.3#



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.03

150

100

50

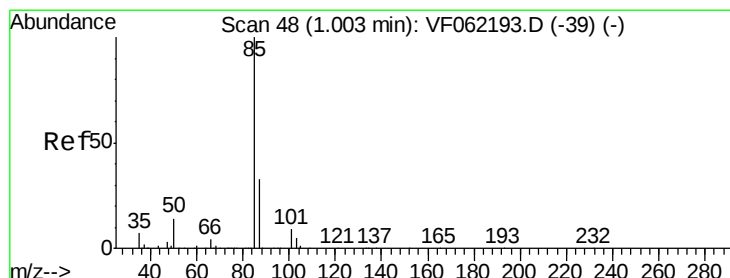
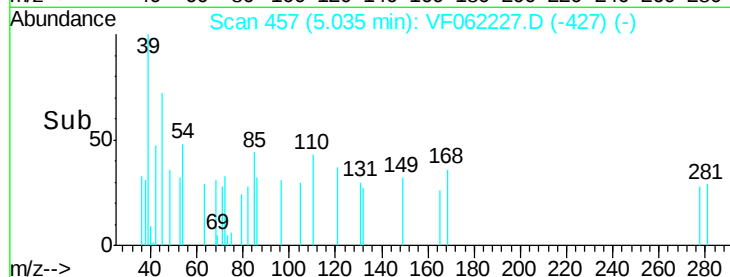
0

5.00

5.05

5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 67.010 ug/l

RT: 1.01 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062227.D

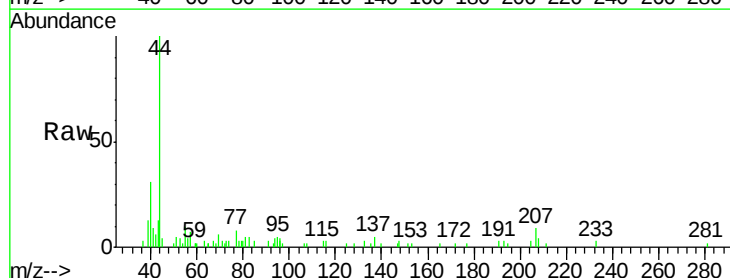
Acq: 19 Apr 2019 16:16

Tgt Ion: 85 Resp: 222

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.1#



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

150

100

50

0

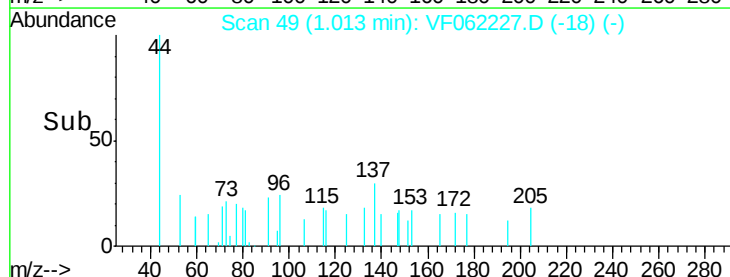
0.98

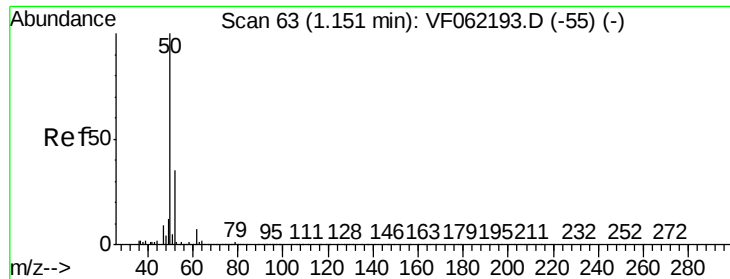
1.00

1.02

1.04

Time-->





#3

Chloromethane

Concen: 56.655 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampleId :

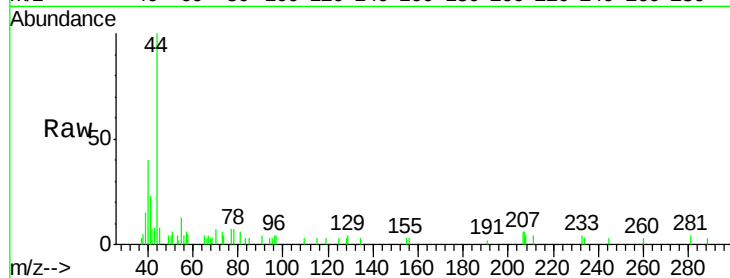
TP-18-S2RE

Tot Ion: 50 Resp: 194

Ion Ratio Lower Upper

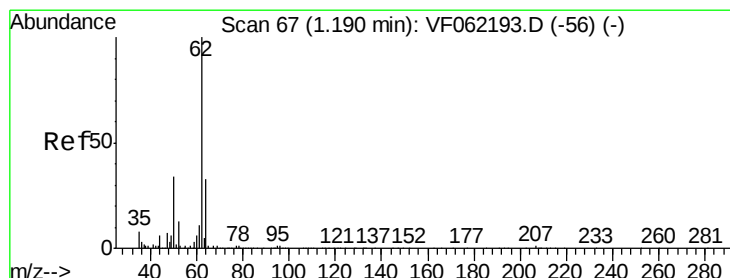
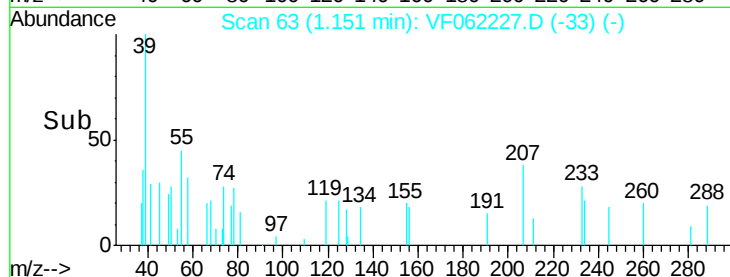
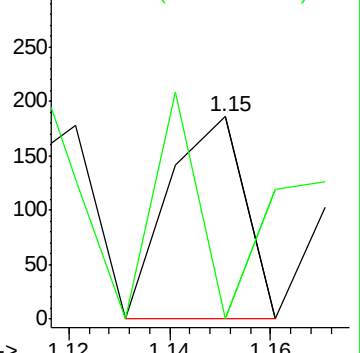
50 100

52 0.0 27.0 40.4#



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0



#4

Vinyl Chloride

Concen: 31.272 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062227.D

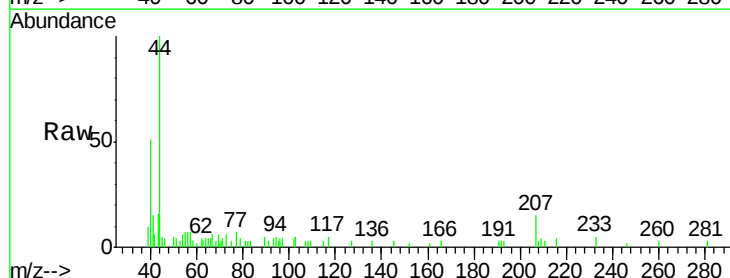
Acq: 19 Apr 2019 16:16

Tgt Ion: 62 Resp: 92

Ion Ratio Lower Upper

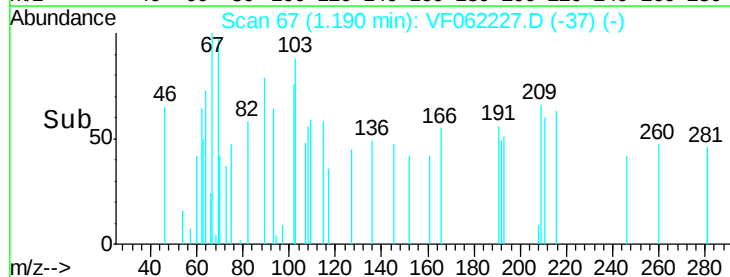
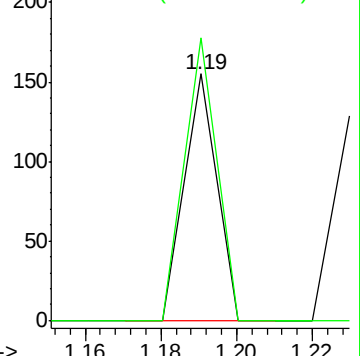
62 100

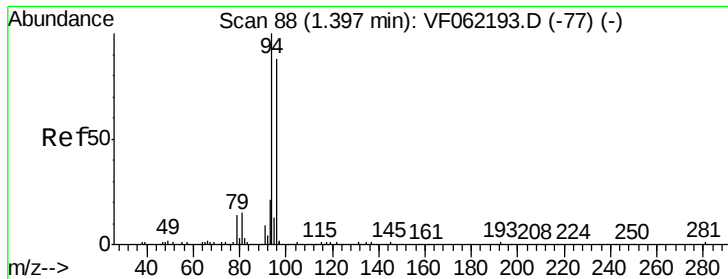
64 114.8 26.2 39.4#



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0





#5

Bromomethane

Concen: 94.792 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampleId :

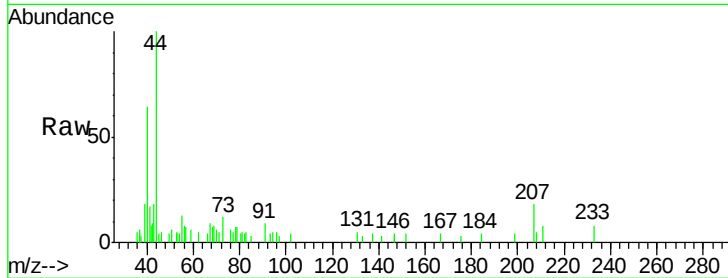
TP-18-S2RE

Tot Ion: 94 Resp: 162

Ion Ratio Lower Upper

94 100

96 102.4 70.2 105.4



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.41

1.42

1.43

1.44

1.45

1.46

1.47

1.48

1.49

1.50

1.51

1.52

1.53

1.54

1.55

1.56

1.57

1.58

1.59

1.60

1.61

1.62

1.63

1.64

1.65

1.66

1.67

1.68

1.69

1.70

1.71

1.72

1.73

1.74

1.75

1.76

1.77

1.78

1.79

1.80

1.81

1.82

1.83

1.84

1.85

1.86

1.87

1.88

1.89

1.90

1.91

1.92

1.93

1.94

1.95

1.96

1.97

1.98

1.99

2.00

2.01

2.02

2.03

2.04

2.05

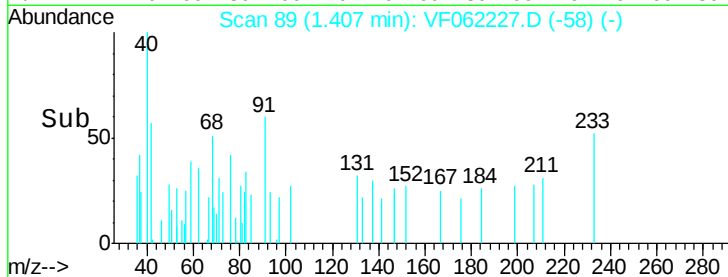
2.06

2.07

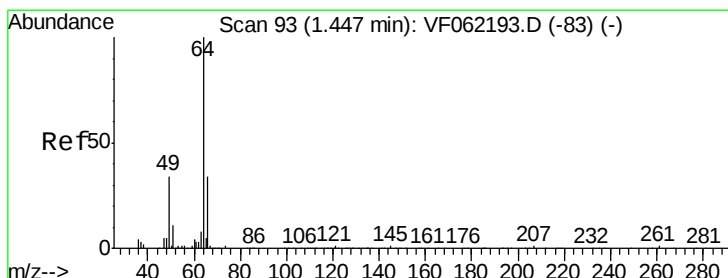
2.08

2.09

2.10



Time-->



#6

Chloroethane

Concen: 51.226 ug/l

RT: 1.48 min Scan# 96

Delta R.T. 0.03 min

Lab File: VF062227.D

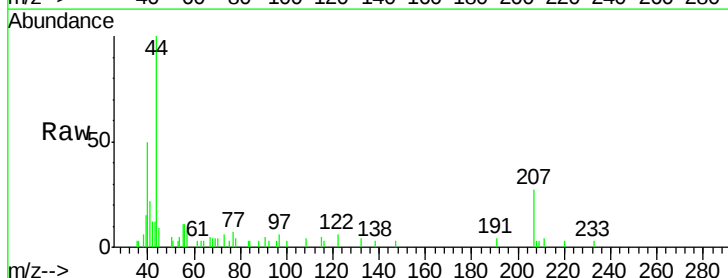
Acq: 19 Apr 2019 16:16

Tgt Ion: 64 Resp: 63

Ion Ratio Lower Upper

64 100

66 0.0 27.0 40.4#



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0

1.46

1.47

1.48

1.49

1.50

1.51

1.52

1.53

1.54

1.55

1.56

1.57

1.58

1.59

1.60

1.61

1.62

1.63

1.64

1.65

1.66

1.67

1.68

1.69

1.70

1.71

1.72

1.73

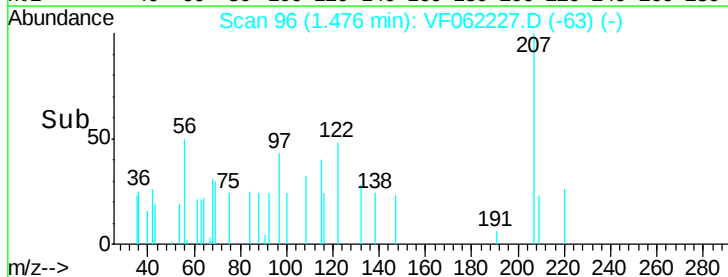
1.74

1.75

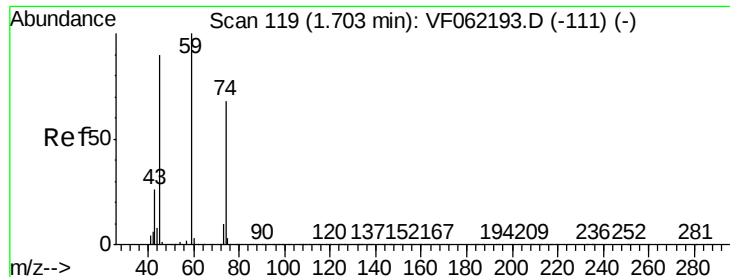
1.76

1.77

1.78



Time-->



#8

Diethyl Ether

Concen: 83.563 ug/l

RT: 1.70 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampled :

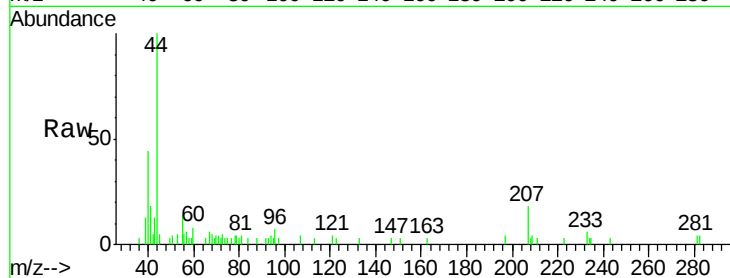
TP-18-S2RE

Tot Ion: 74 Resp: 65

Ion Ratio Lower Upper

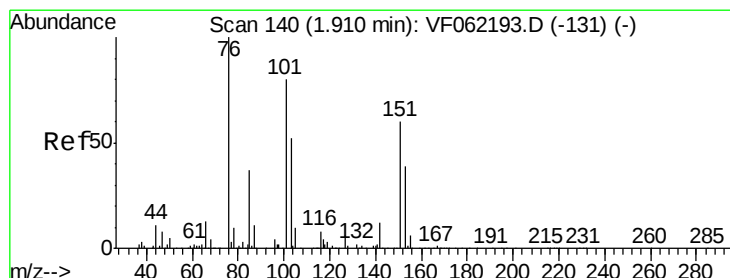
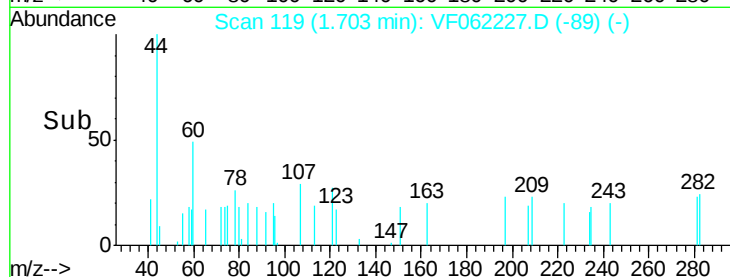
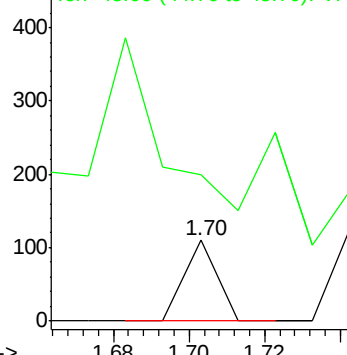
74 100

45 320.0 70.0 210.2#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.892 ug/l

RT: 1.97 min Scan# 146

Delta R.T. 0.06 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

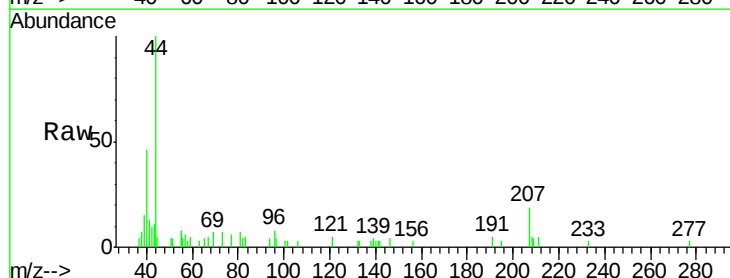
Tgt Ion: 101 Resp: 61

Ion Ratio Lower Upper

101 100

85 0.0 35.3 52.9#

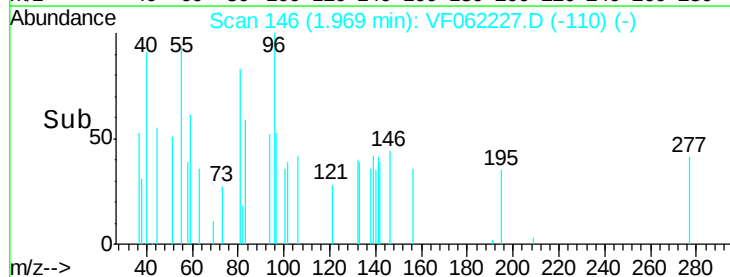
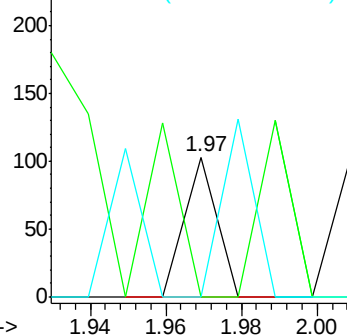
151 127.9 57.5 86.3#

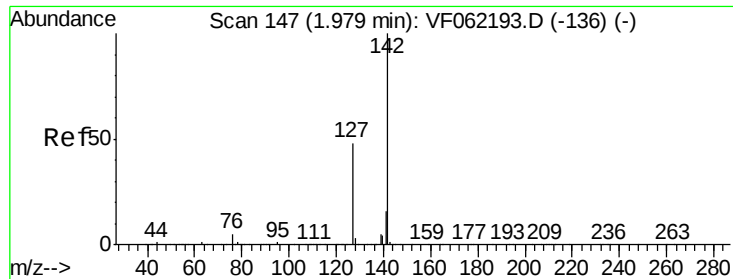


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V

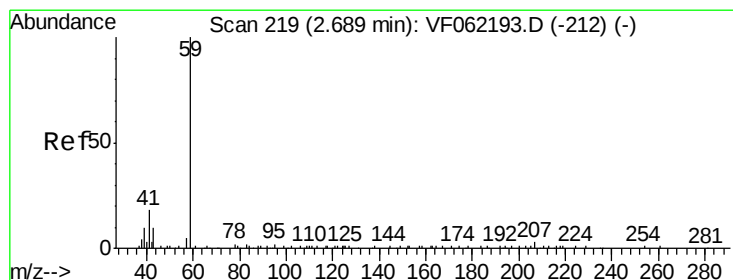
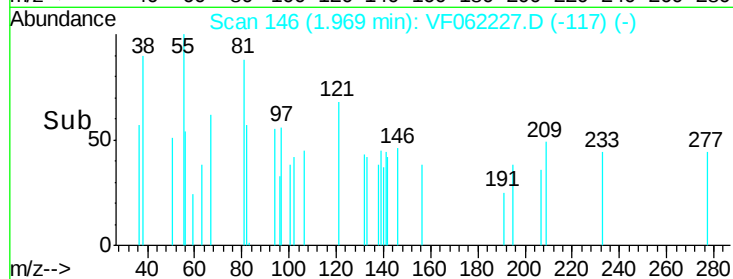
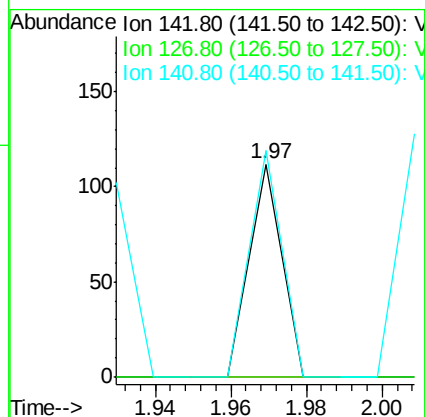
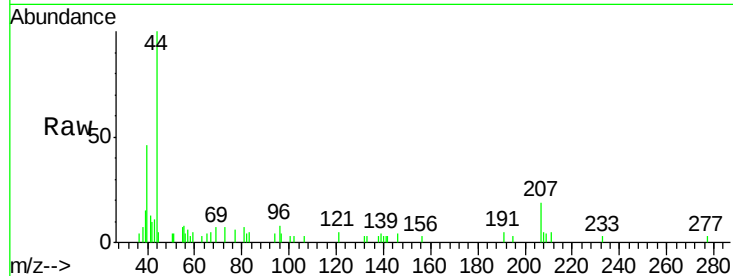




#10  
Methyl Iodide  
Concen: 14.551 ug/l  
RT: 1.97 min Scan# 146  
Delta R.T. -0.01 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

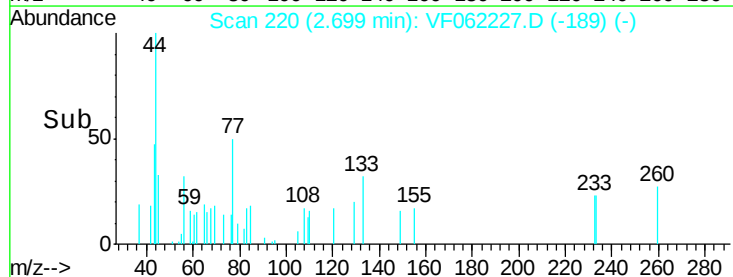
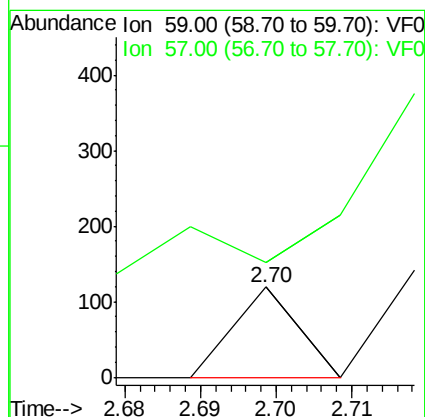
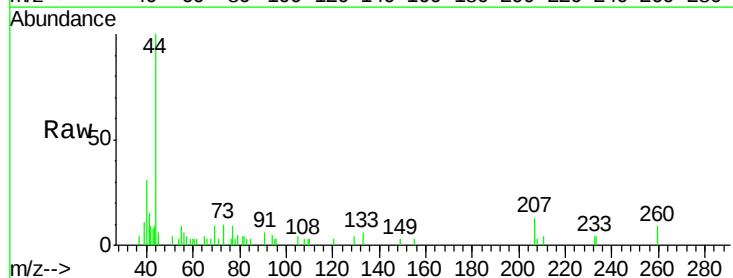
Instrument :  
MSVOA\_F  
ClientSampled :  
TP-18-S2RE

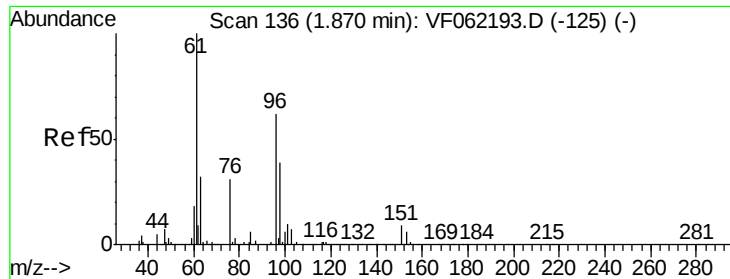
Tot Ion:142 Resp: 66  
Ion Ratio Lower Upper  
142 100  
127 0.0 33.0 49.4#  
141 106.1 12.7 19.1#



#11  
Tert butyl alcohol  
Concen: 503.781 ug/l  
RT: 2.70 min Scan# 220  
Delta R.T. 0.01 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

Tgt Ion: 59 Resp: 70  
Ion Ratio Lower Upper  
59 100  
57 352.9 9.3 13.9#





#12

1,1-Dichloroethene

Concen: 93.888 ug/l

RT: 1.85 min Scan# 134

Delta R.T. -0.02 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampleId :

TP-18-S2RE

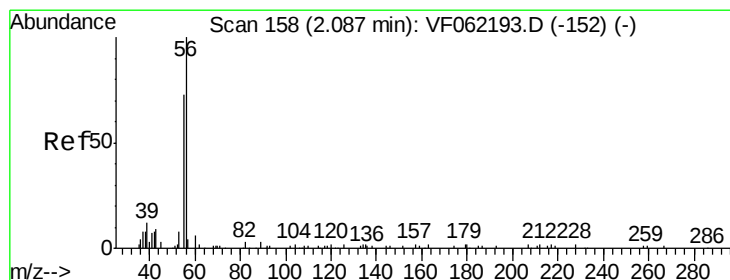
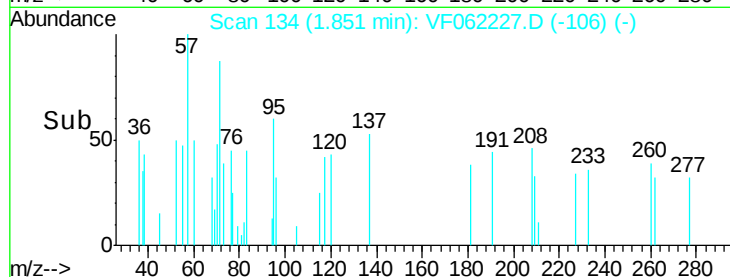
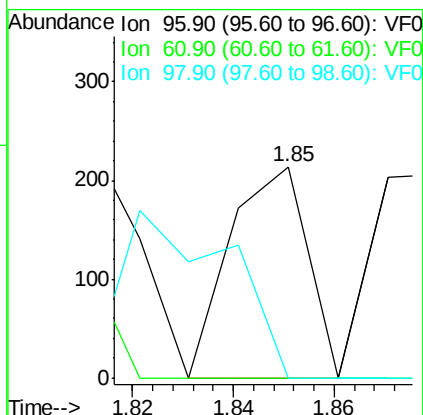
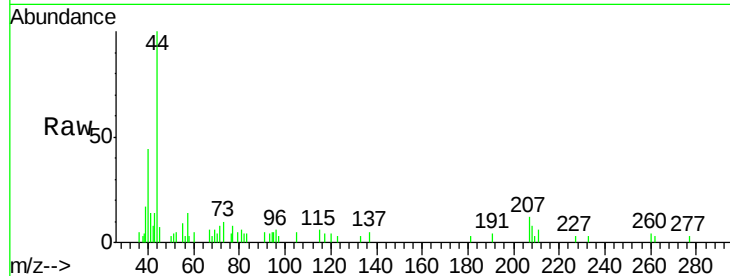
Tot Ion: 96 Resp: 228

Ion Ratio Lower Upper

96 100

61 0.0 129.1 193.7#

98 0.0 50.0 75.0#



#13

Acrolein

Concen: 2967.774 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF062227.D

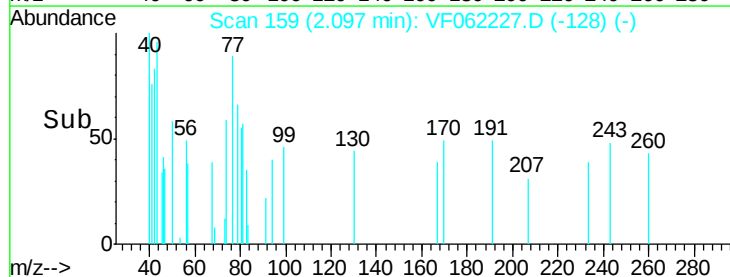
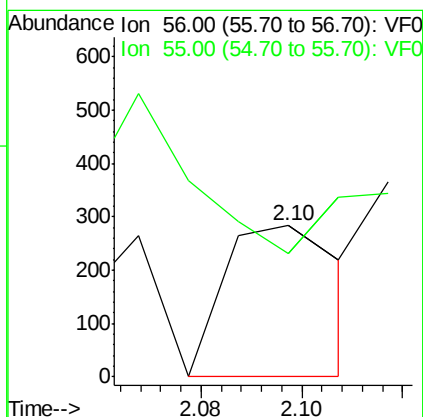
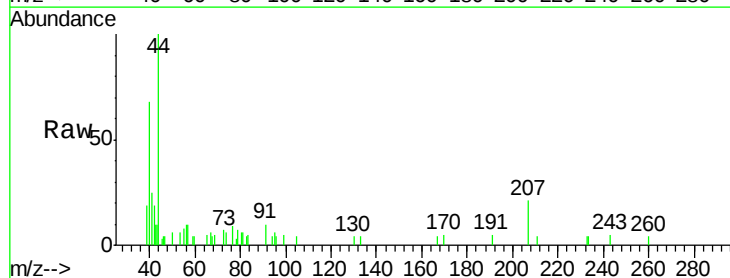
Acq: 19 Apr 2019 16:16

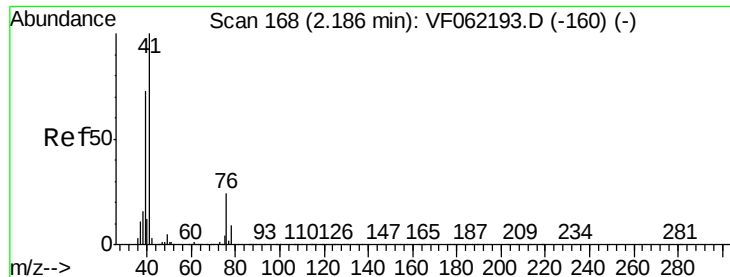
Tgt Ion: 56 Resp: 455

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#

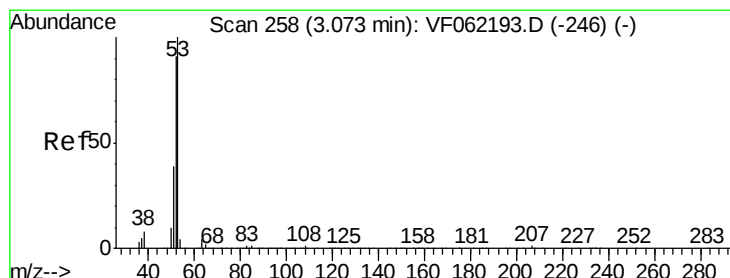
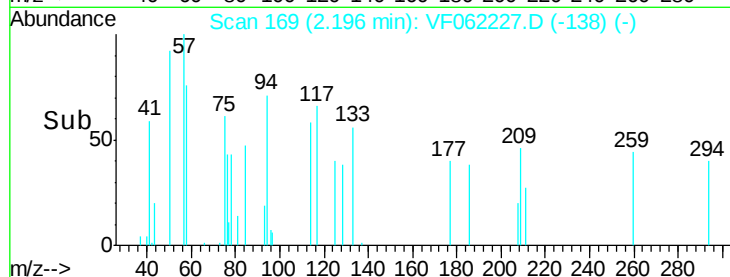
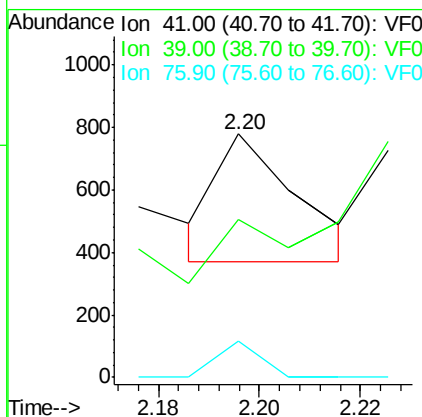
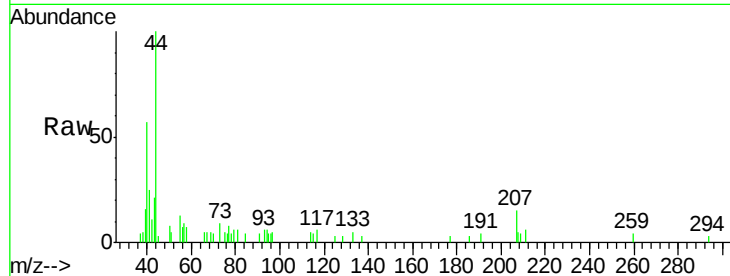




#14  
Allvl chloride  
Concen: 161.109 ug/l  
RT: 2.20 min Scan# 169  
Delta R.T. 0.01 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

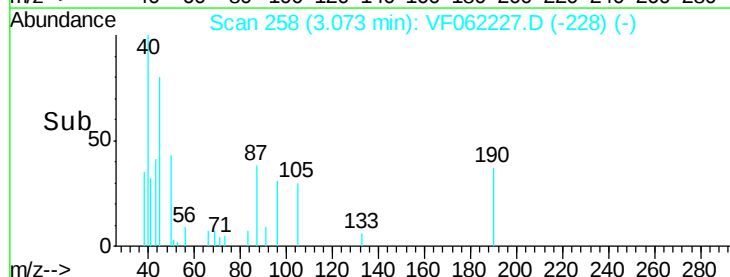
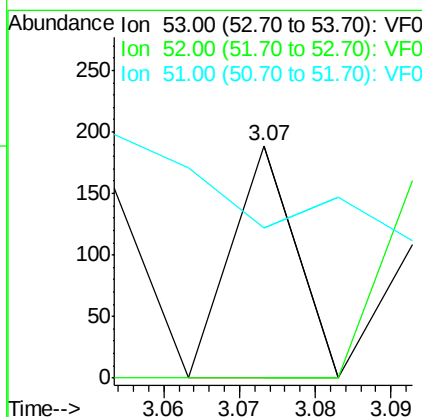
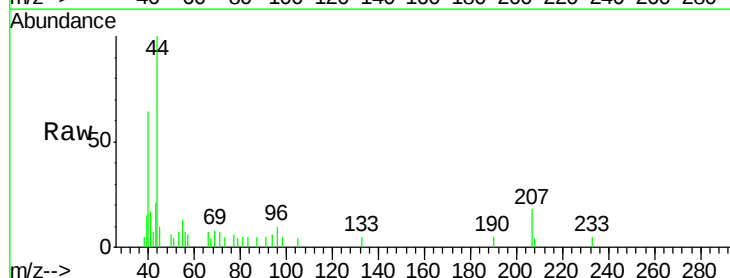
Instrument :  
MSVOA\_F  
ClientSampled :  
TP-18-S2RE

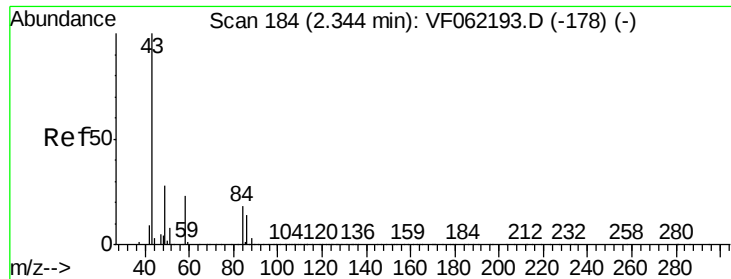
Tot Ion: 41 Resp: 449  
Ion Ratio Lower Upper  
41 100  
39 0.0 60.0 90.0#  
76 15.1 20.6 30.8#



#15  
Acrylonitrile  
Concen: 264.646 ug/l  
RT: 3.07 min Scan# 258  
Delta R.T. 0.00 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

Tgt Ion: 53 Resp: 112  
Ion Ratio Lower Upper  
53 100  
52 0.0 69.5 104.3#  
51 0.0 31.8 47.8#

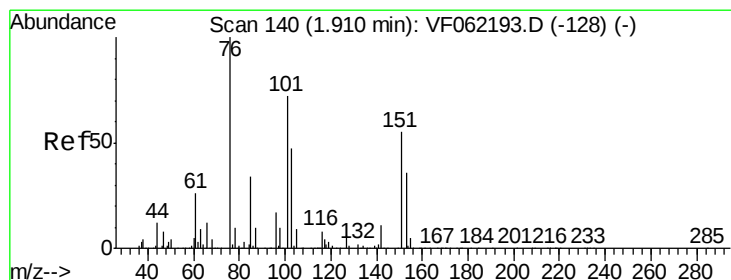
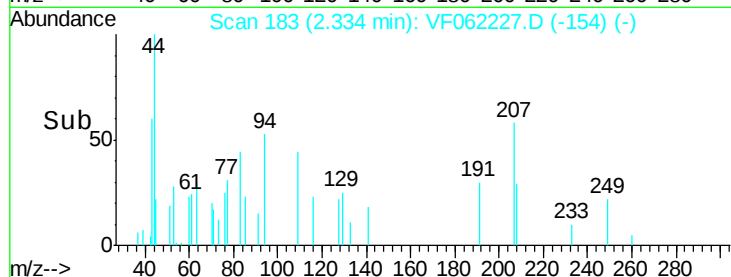
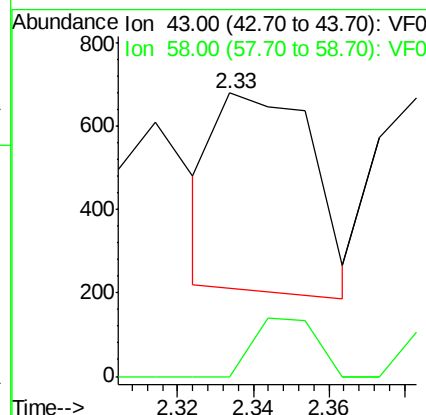
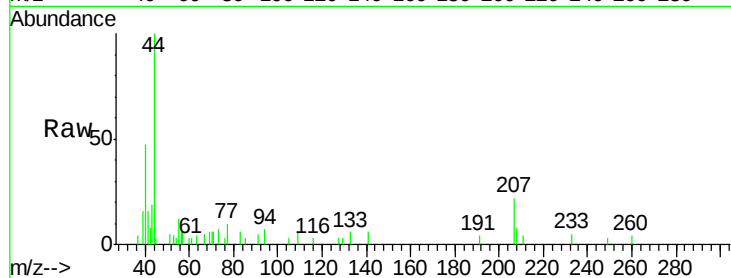




#16  
Acetone  
Concen: 1751.776 ug/l  
RT: 2.33 min Scan# 183  
Delta R.T. -0.01 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

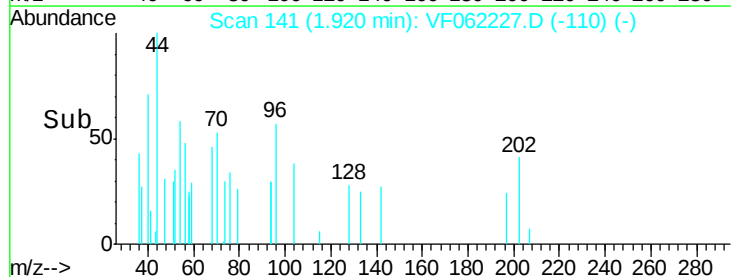
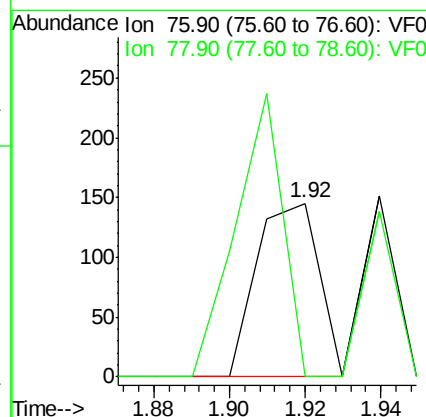
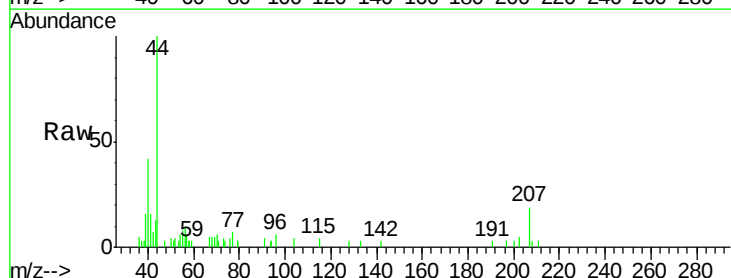
Instrument :  
MSVOA\_F  
ClientSampleId :  
TP-18-S2RE

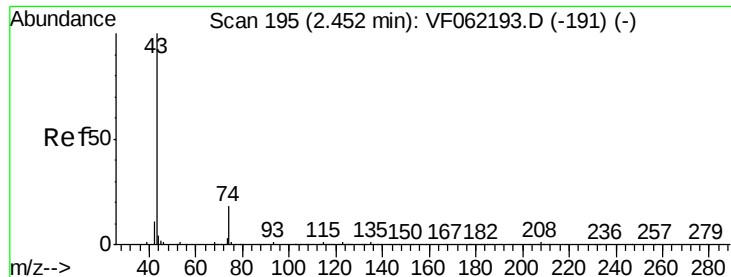
Tot Ion: 43 Resp: 837  
Ion Ratio Lower Upper  
43 100  
58 0.0 18.8 28.2#



#17  
Carbon Disulfide  
Concen: 24.303 ug/l  
RT: 1.92 min Scan# 141  
Delta R.T. 0.01 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

Tgt Ion: 76 Resp: 164  
Ion Ratio Lower Upper  
76 100  
78 0.0 8.7 13.1#

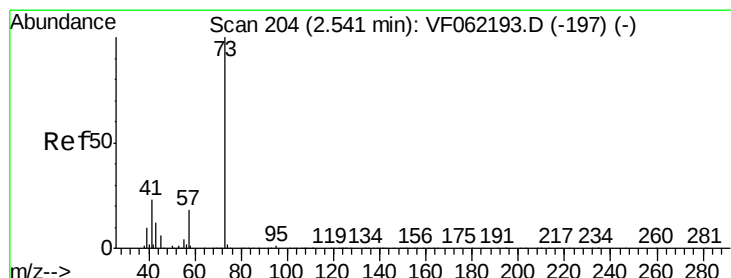
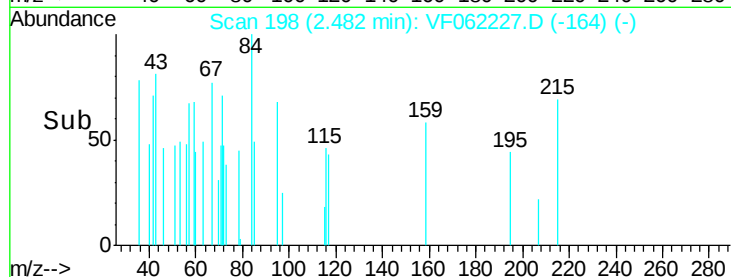
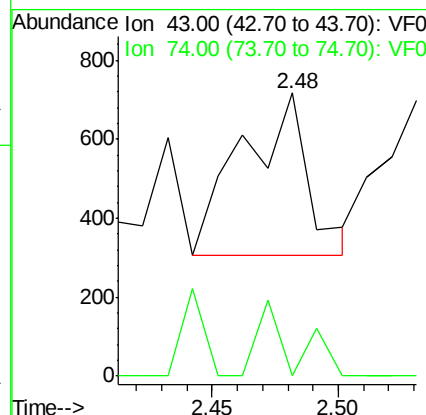
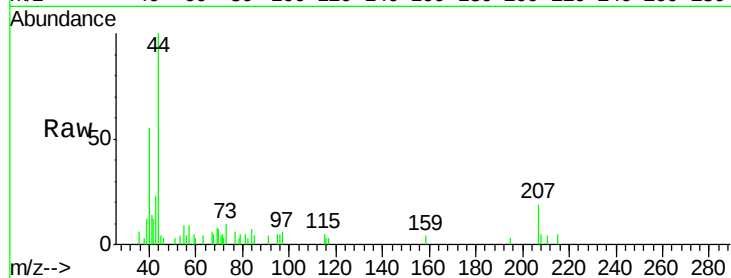




#18  
Methyl Acetate  
Concen: 819.464 ug/l  
RT: 2.48 min Scan# 198  
Delta R.T. 0.03 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

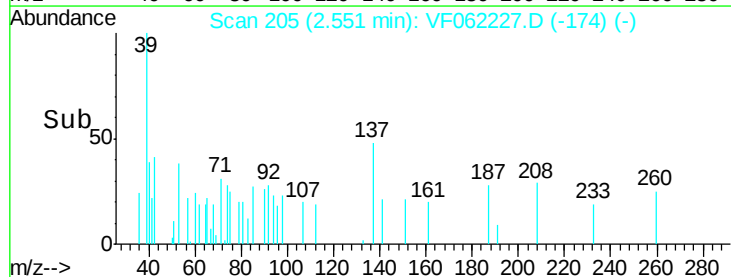
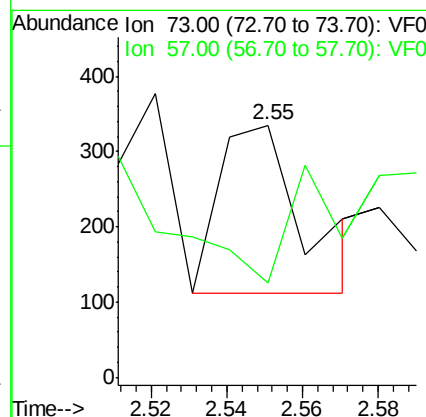
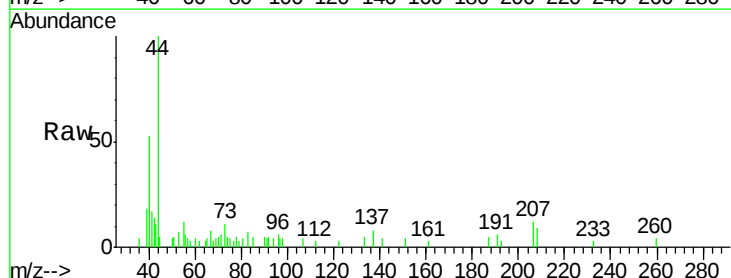
Instrument :  
MSVOA\_F  
ClientSampleId :  
TP-18-S2RE

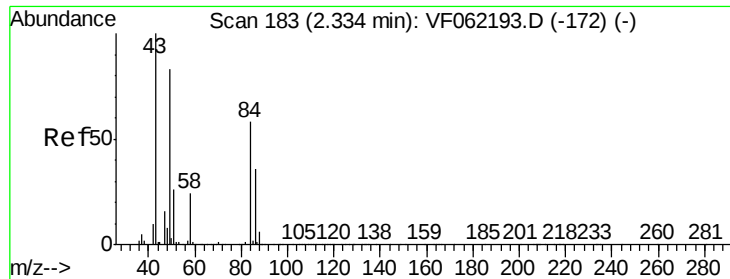
Tot Ion: 43 Resp: 751  
Ion Ratio Lower Upper  
43 100  
74 24.8 14.5 21.7#



#19  
Methyl tert-butyl Ether  
Concen: 80.231 ug/l  
RT: 2.55 min Scan# 205  
Delta R.T. 0.01 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

Tgt Ion: 73 Resp: 344  
Ion Ratio Lower Upper  
73 100  
57 0.0 15.1 22.7#

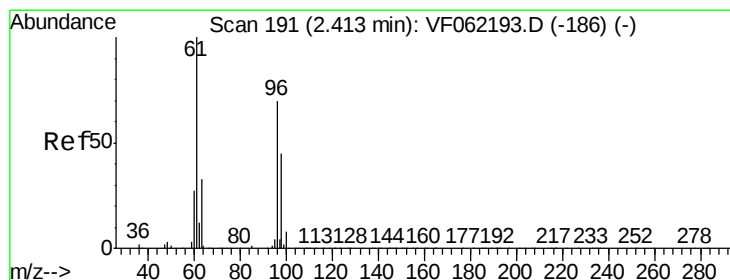
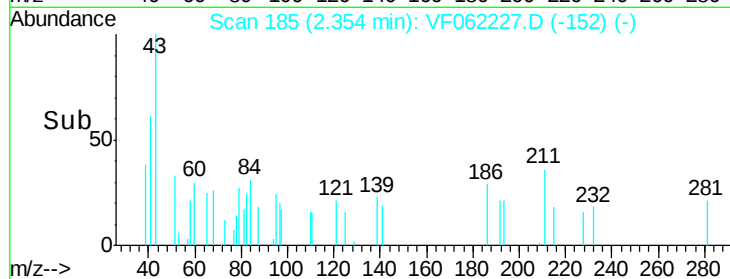
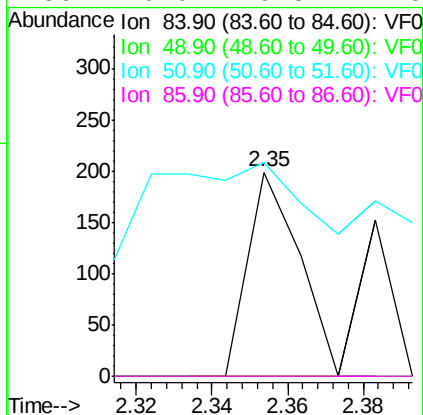
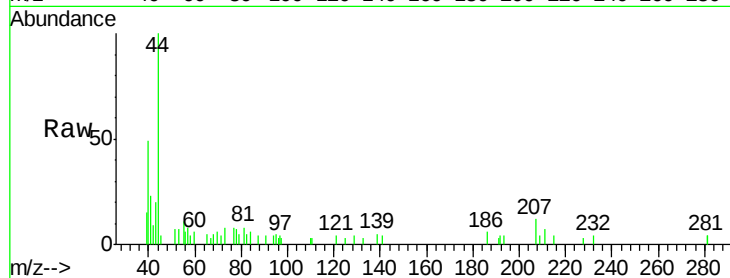




#20  
Methvlene Chloride  
Concen: 83.938 ug/l  
RT: 2.35 min Scan# 185  
Delta R.T. 0.02 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

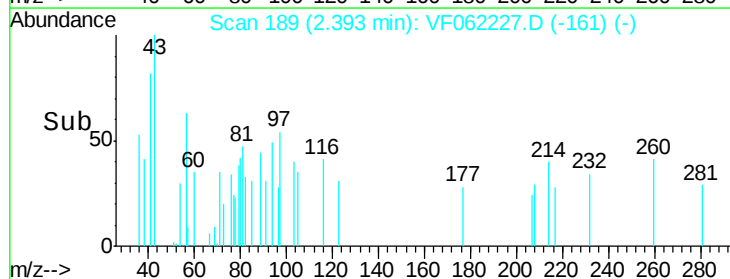
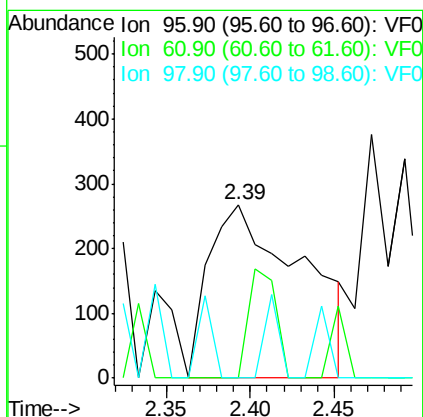
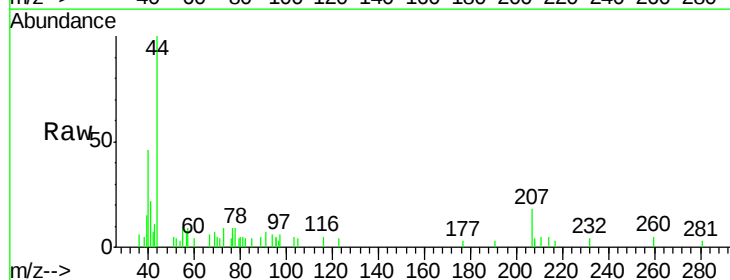
Instrument :  
MSVOA\_F  
ClientSampled :  
TP-18-S2RE

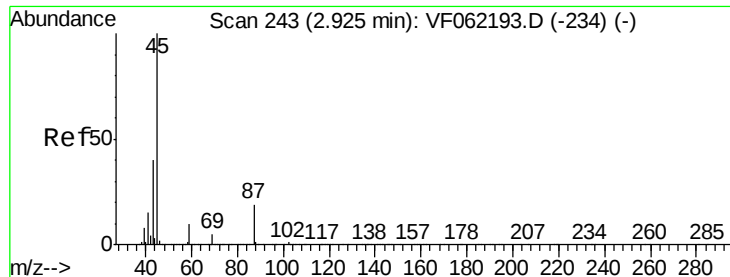
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 84    | Resp: | 187    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 0.0   | 114.0 | 171.0# |
| 51       | 34.7  | 37.0  | 55.4#  |
| 86       | 0.0   | 49.8  | 74.8#  |



#21  
trans-1,2-Dichloroethene  
Concen: 428.896 ug/l  
RT: 2.39 min Scan# 189  
Delta R.T. -0.02 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 1030   |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 0.0   | 114.6 | 172.0# |
| 98       | 0.0   | 51.2  | 76.8#  |



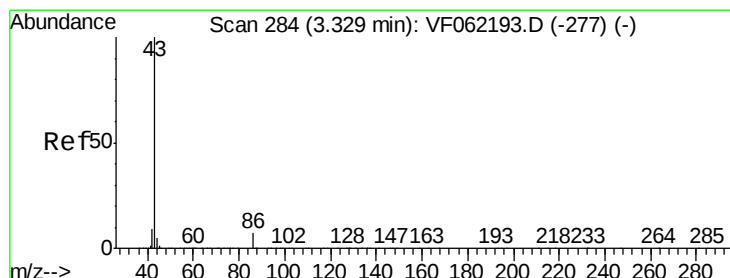
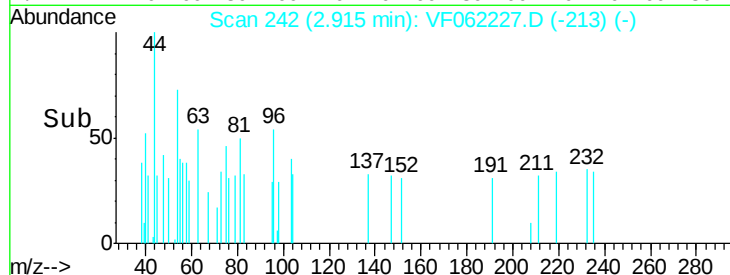
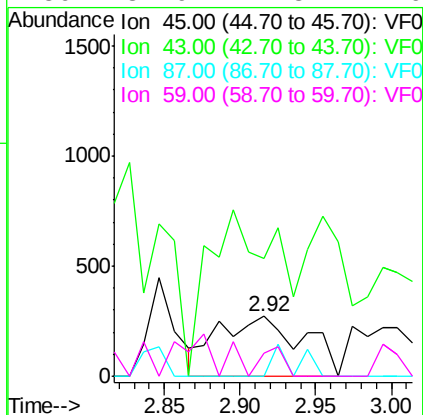
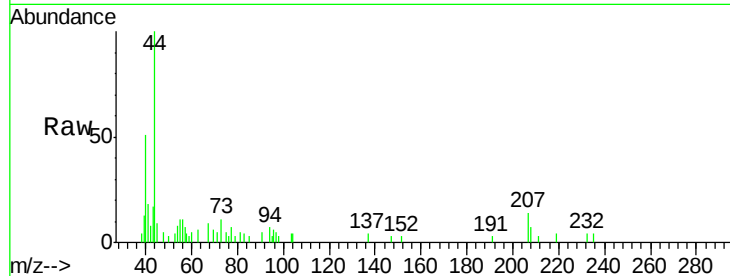


#22

Diisopropyl ether  
 Concen: 149.670 ug/l  
 RT: 2.92 min Scan# 242  
 Delta R.T. -0.01 min  
 Lab File: VF062227.D  
 Acq: 19 Apr 2019 16:16

Instrument :  
 MSVOA\_F  
 ClientSampleID :  
 TP-18-S2RE

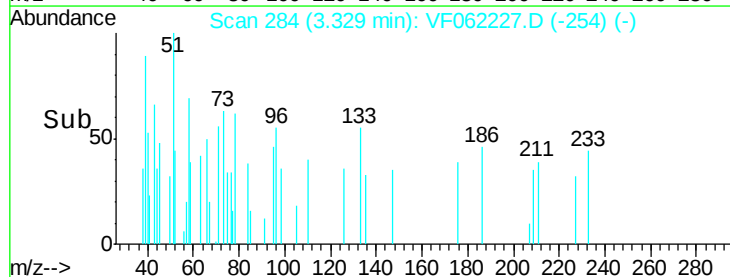
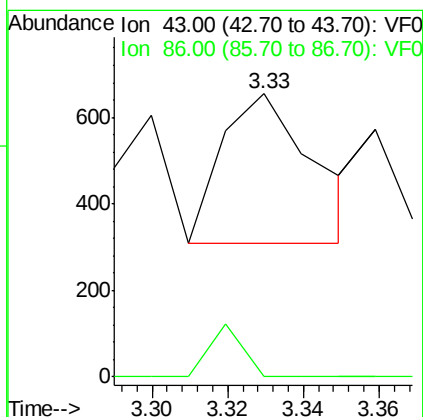
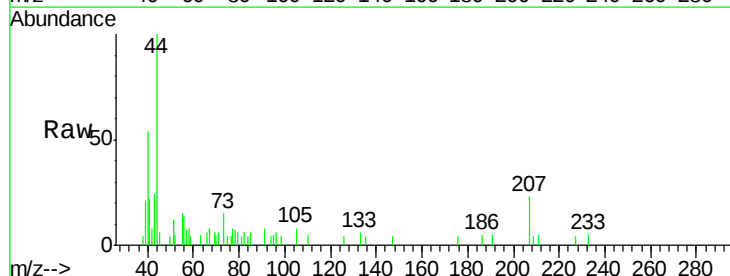
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 45    | Resp: | 1067  |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 197.1 | 32.8  | 49.2# |
| 87       | 0.0   | 15.2  | 22.8# |
| 59       | 37.9  | 7.8   | 11.6# |

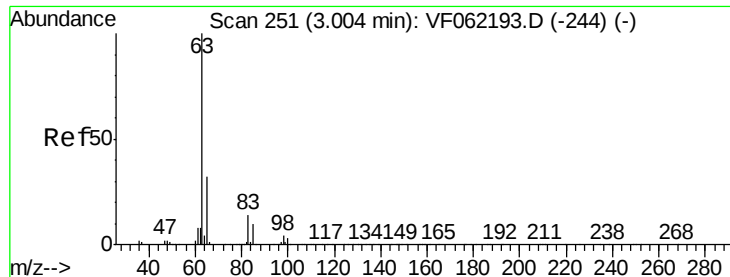


#23

Vinyl Acetate  
 Concen: 169.288 ug/l  
 RT: 3.33 min Scan# 284  
 Delta R.T. 0.00 min  
 Lab File: VF062227.D  
 Acq: 19 Apr 2019 16:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 575   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 0.0   | 5.9   | 8.9#  |





#24

1,1-Dichloroethane

Concen: 45.900 ug/l

RT: 2.97 min Scan# 248

Delta R.T. -0.03 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampleId :

TP-18-S2RE

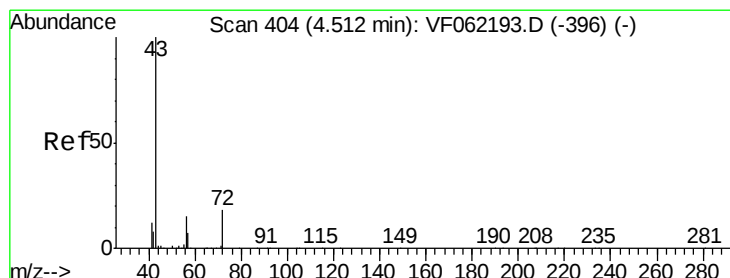
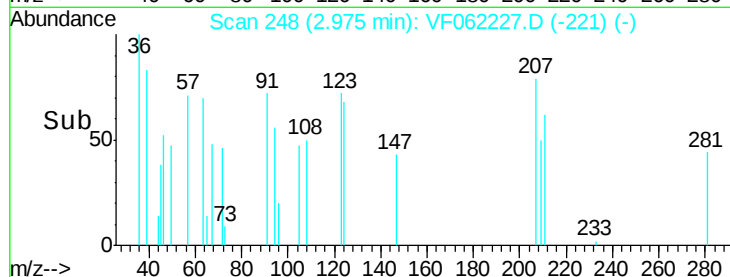
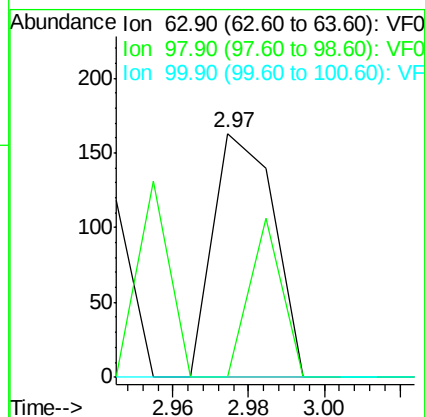
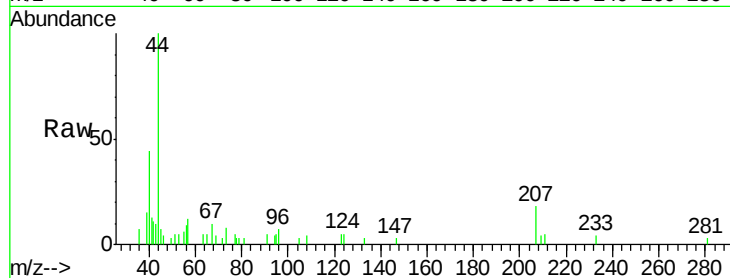
Tot Ion: 63 Resp: 179

Ion Ratio Lower Upper

63 100

98 0.0 2.3 6.8#

100 0.0 1.7 5.0#



#25

2-Butanone

Concen: 671.982 ug/l

RT: 4.55 min Scan# 408

Delta R.T. 0.04 min

Lab File: VF062227.D

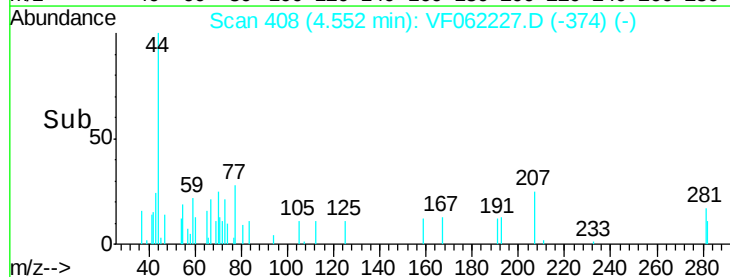
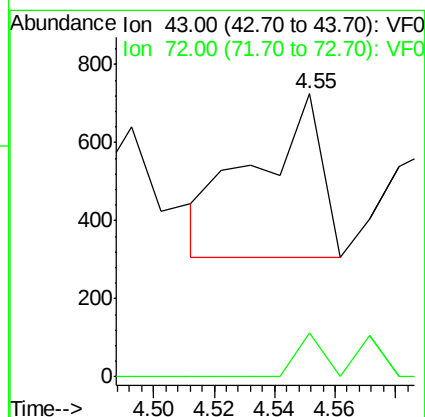
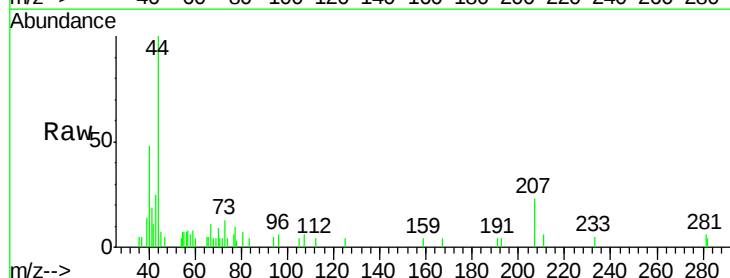
Acq: 19 Apr 2019 16:16

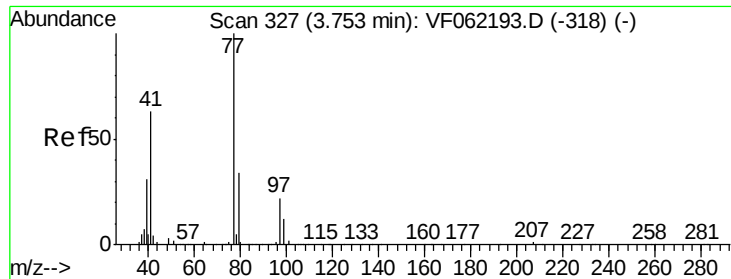
Tgt Ion: 43 Resp: 642

Ion Ratio Lower Upper

43 100

72 26.8 16.1 24.1#





#26

2,2-Dichloropropane

Concen: 191.478 ug/l

RT: 3.60 min Scan# 311

Delta R.T. -0.16 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampled :

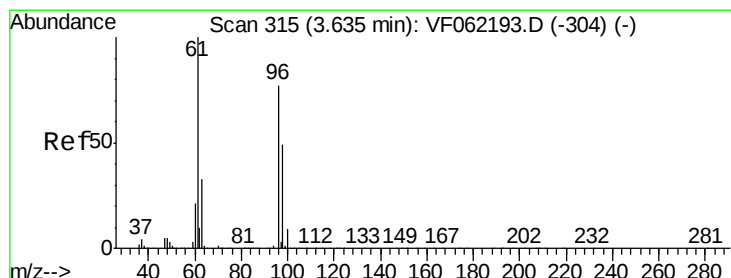
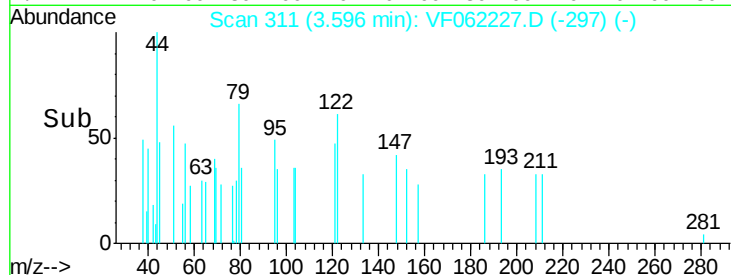
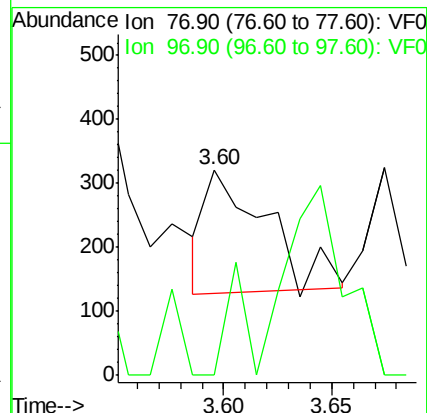
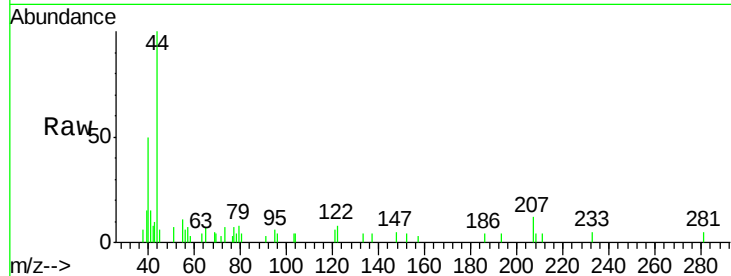
TP-18-S2RE

Tot Ion: 77 Resp: 377

Ion Ratio Lower Upper

77 100

97 21.0 11.1 33.3



#27

cis-1,2-Dichloroethene

Concen: 256.919 ug/l

RT: 3.67 min Scan# 319

Delta R.T. 0.04 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

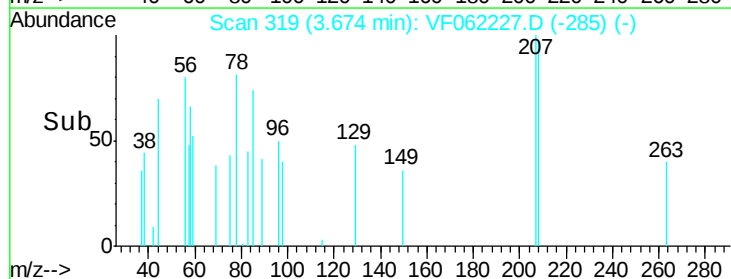
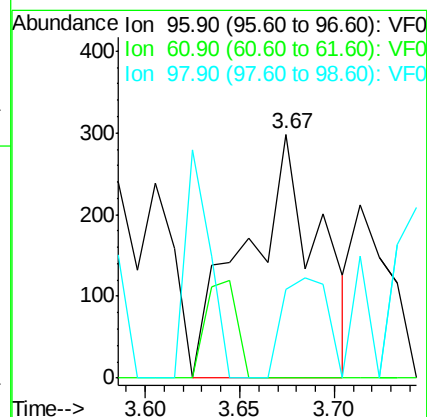
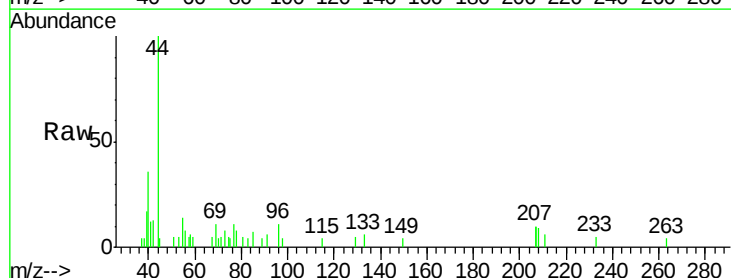
Tgt Ion: 96 Resp: 799

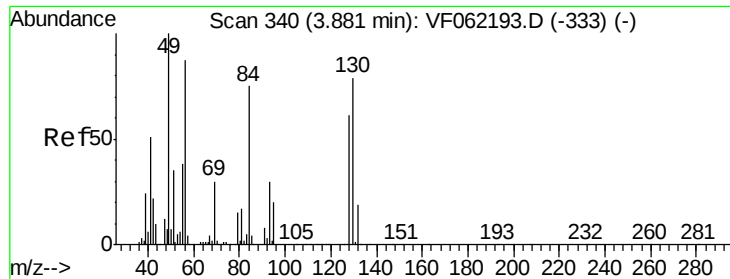
Ion Ratio Lower Upper

96 100

61 0.0 0.0 253.6

98 25.7 0.0 124.8





#28

Bromochloromethane

Concen: 41.218 ug/l

RT: 4.02 min Scan# 354

Delta R.T. 0.14 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampleId :

TP-18-S2RE

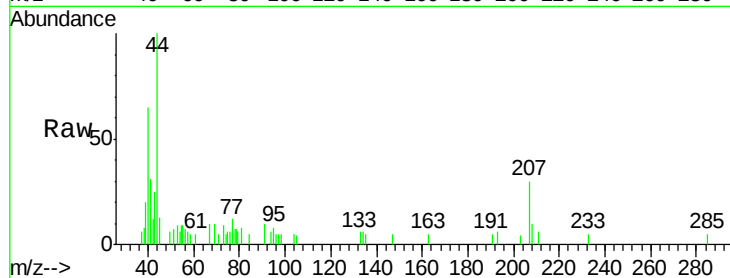
Tot Ion: 49 Resp: 77

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

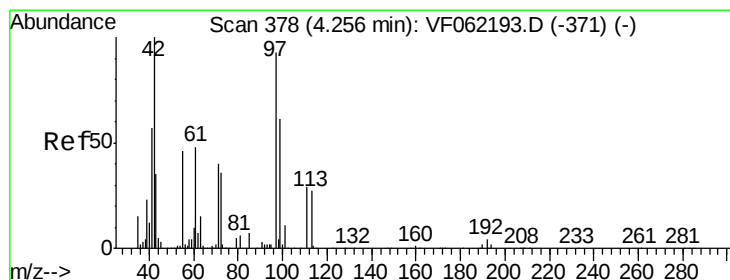
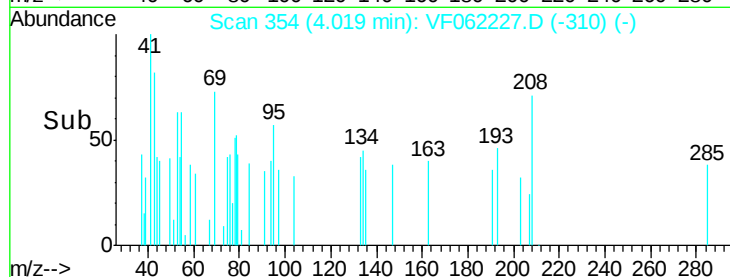
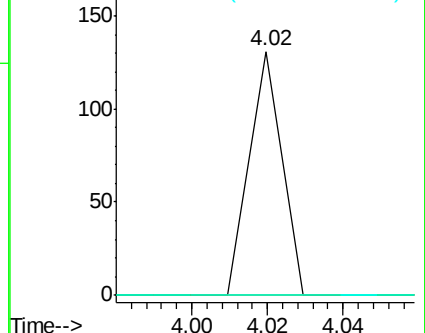
130 0.0 66.6 100.0#



Abundance Ion 48.90 (48.60 to 49.60): VF0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 1560.912 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.02 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

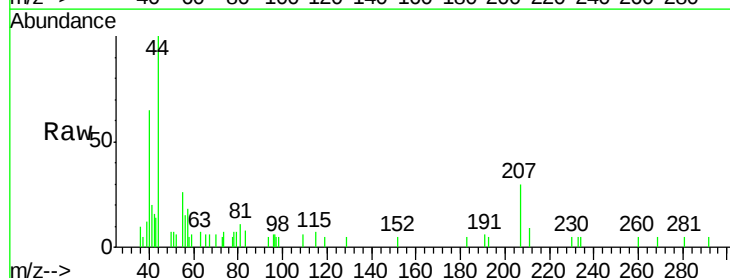
Tgt Ion: 42 Resp: 675

Ion Ratio Lower Upper

42 100

72 0.0 28.6 43.0#

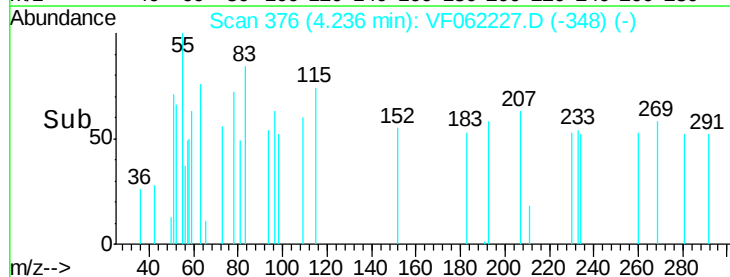
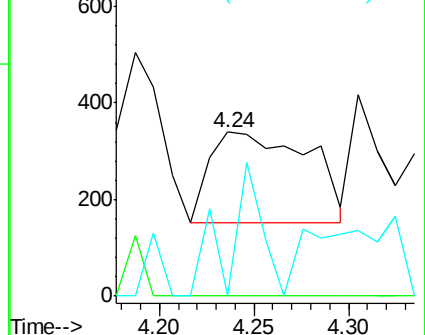
71 50.2 29.2 43.8#

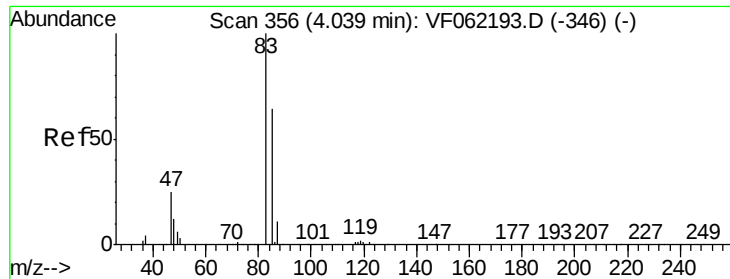


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

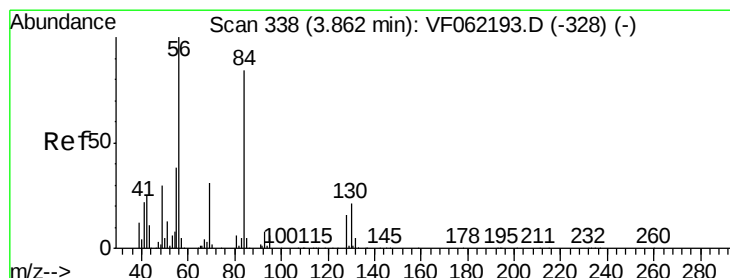
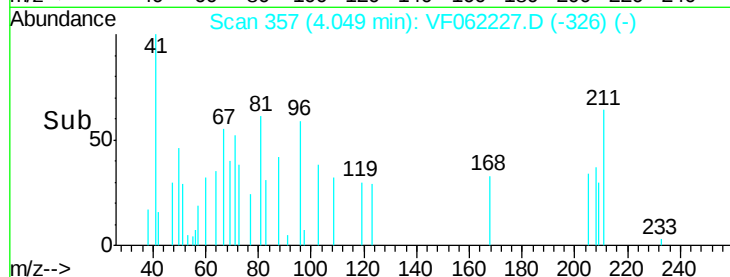
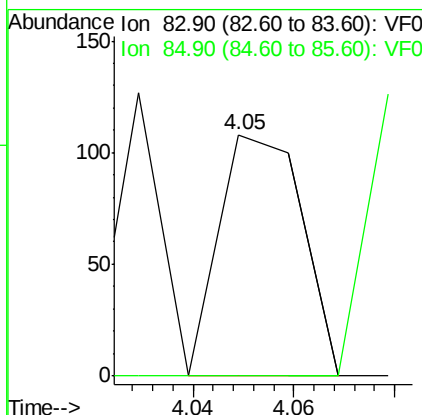
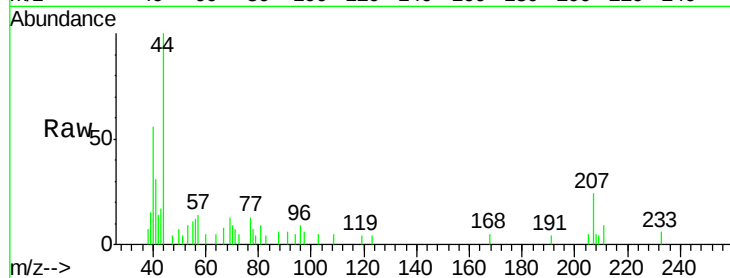




#30  
Chloroform  
Concen: 25.664 ug/l  
RT: 4.05 min Scan# 357  
Delta R.T. 0.01 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

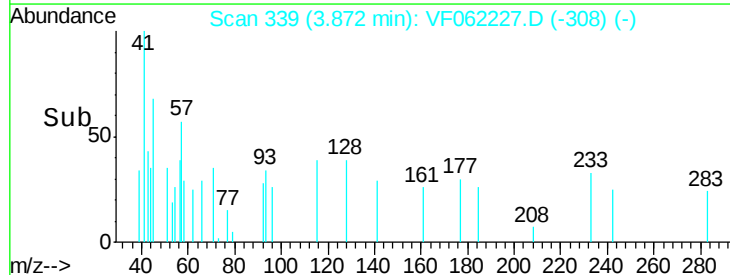
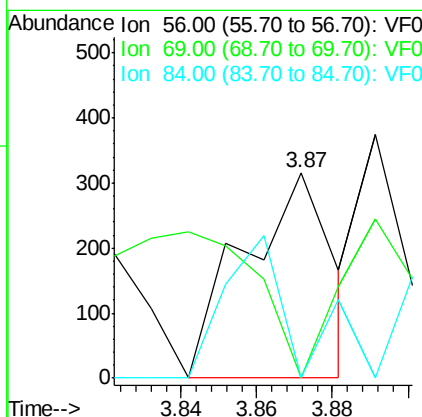
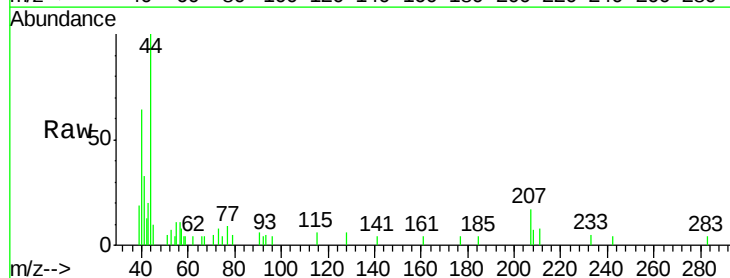
Instrument :  
MSVOA\_F  
ClientSampleId :  
TP-18-S2RE

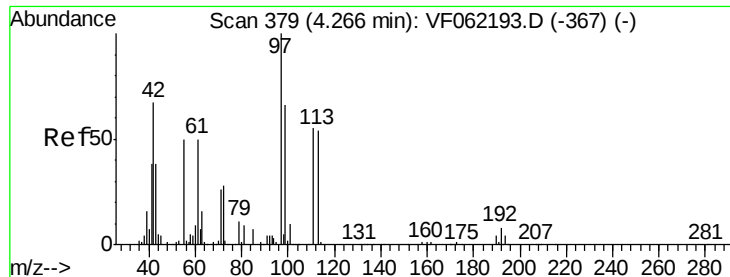
Tot Ion: 83 Resp: 123  
Ion Ratio Lower Upper  
83 100  
85 0.0 51.8 77.8#



#31  
Cyclohexane  
Concen: 110.196 ug/l  
RT: 3.87 min Scan# 339  
Delta R.T. 0.01 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

Tgt Ion: 56 Resp: 515  
Ion Ratio Lower Upper  
56 100  
69 0.0 25.1 37.7#  
84 0.0 67.8 101.6#





#32

1,1,1-Trichloroethane

Concen: 144.519 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.02 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampleId :

TP-18-S2RE

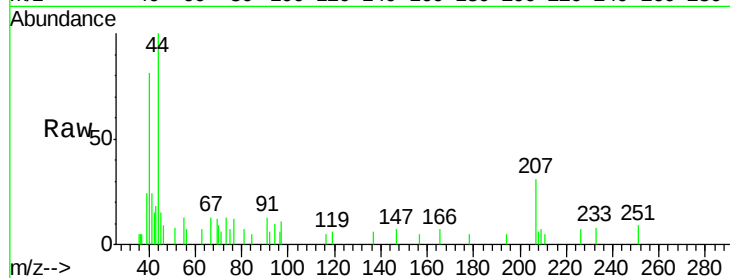
Tot Ion: 97 Resp: 507

Ion Ratio Lower Upper

97 100

99 0.0 52.7 79.1#

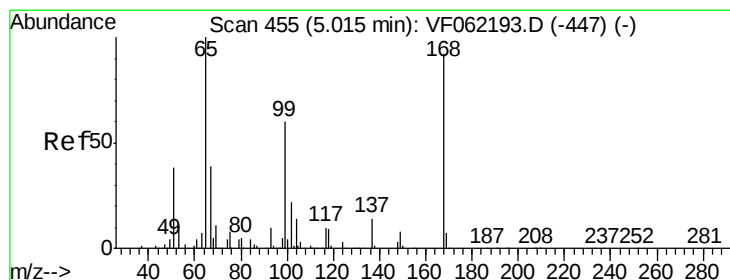
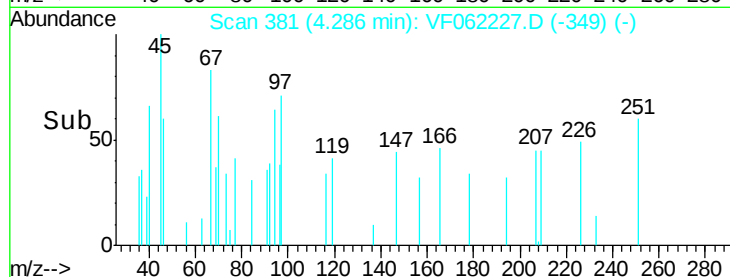
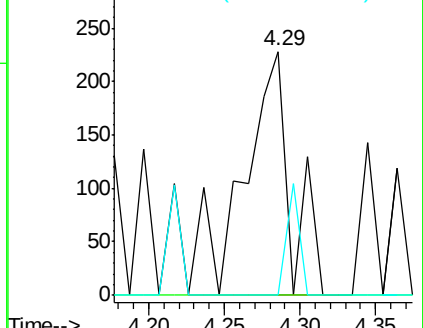
61 12.2 53.0 79.4#



Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

Ion 60.90 (60.60 to 61.60): VF0



#33

1,2-Dichloroethane-d4

Concen: 114.061 ug/l

RT: 4.99 min Scan# 452

Delta R.T. -0.03 min

Lab File: VF062227.D

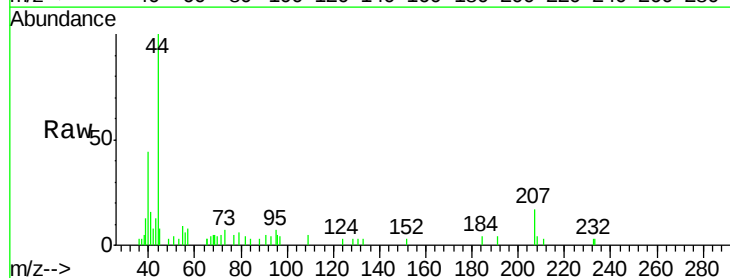
Acq: 19 Apr 2019 16:16

Tgt Ion: 65 Resp: 228

Ion Ratio Lower Upper

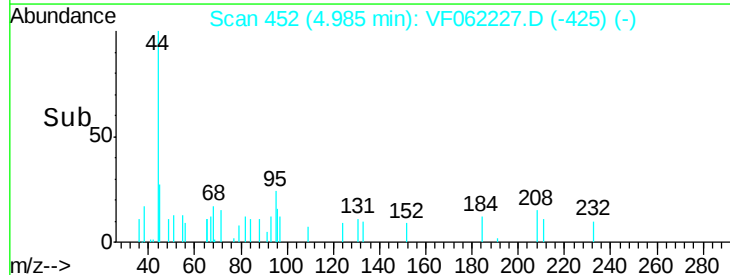
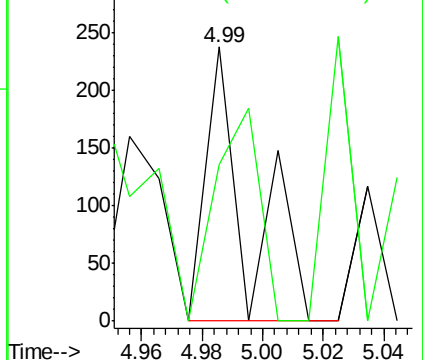
65 100

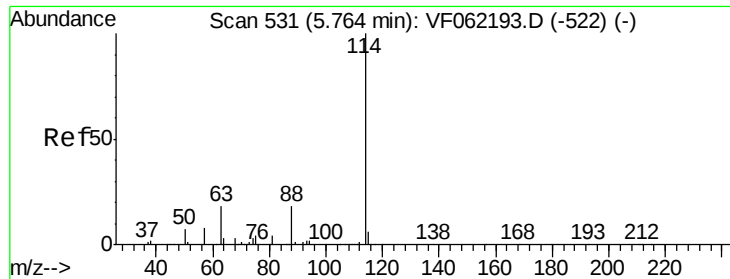
67 83.3 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

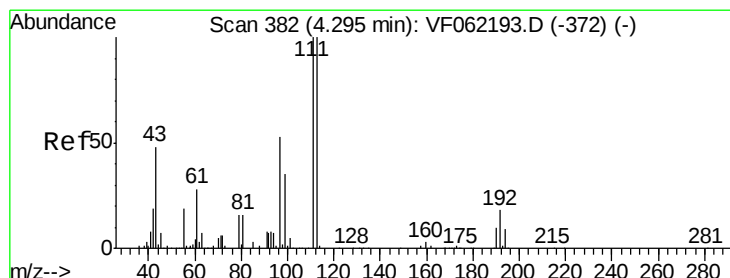
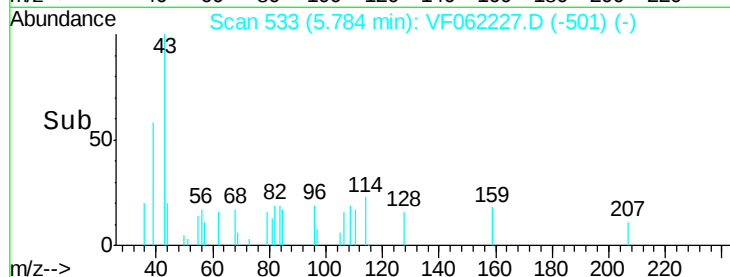
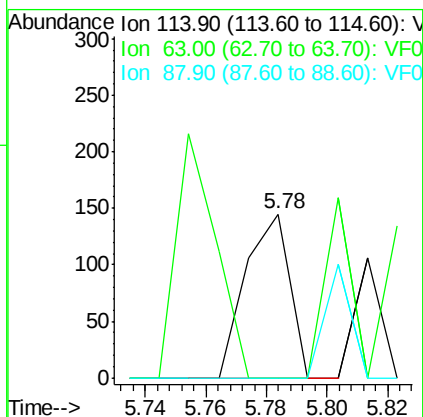
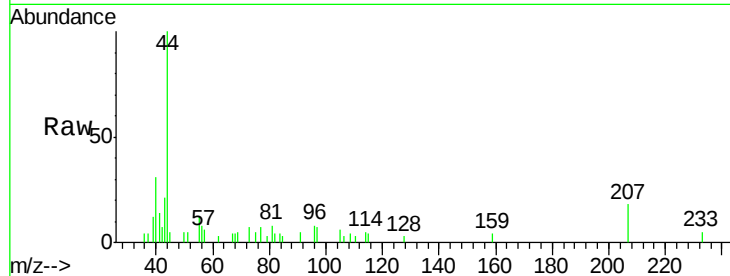




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.78 min Scan# 533  
 Delta R.T. 0.02 min  
 Lab File: VF062227.D  
 Acq: 19 Apr 2019 16:16

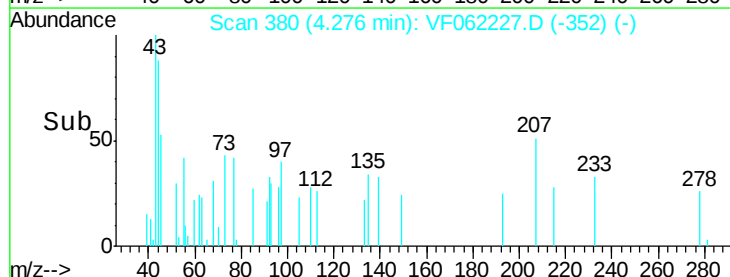
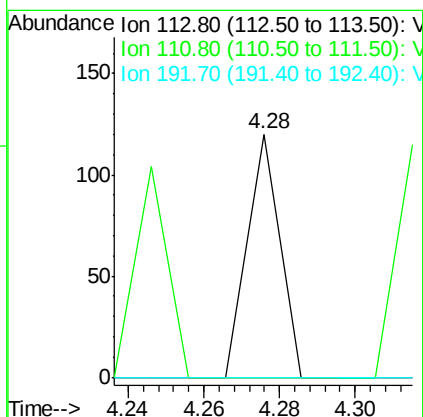
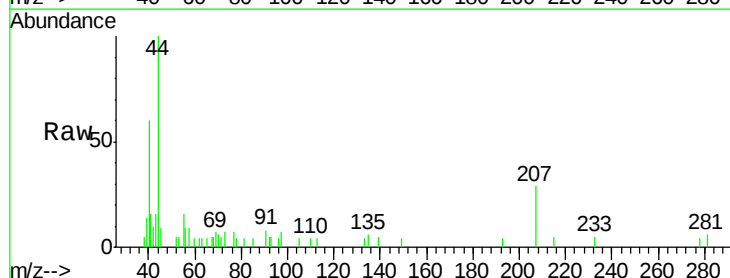
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 TP-18-S2RE

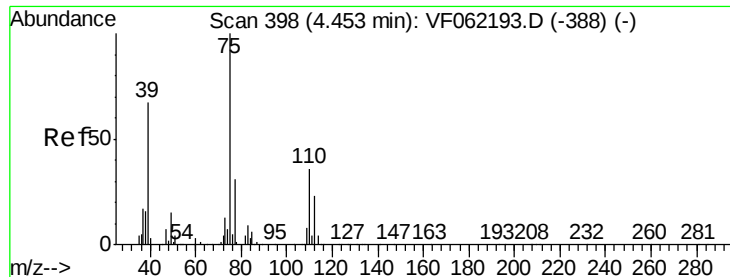
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:114 | Resp: | 148         |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 0.0   | 0.0 36.6    |
| 88          | 0.0   | 0.0 35.8    |



#35  
 Dibromofluoromethane  
 Concen: 54.843 ug/l  
 RT: 4.28 min Scan# 380  
 Delta R.T. -0.02 min  
 Lab File: VF062227.D  
 Acq: 19 Apr 2019 16:16

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 71          |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 0.0   | 81.1 121.7# |
| 192         | 0.0   | 14.7 22.1#  |





#36

1,1-Dichloropropene

Concen: 37.195 ug/l

RT: 4.48 min Scan# 401

Delta R.T. 0.03 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampled :

TP-18-S2RE

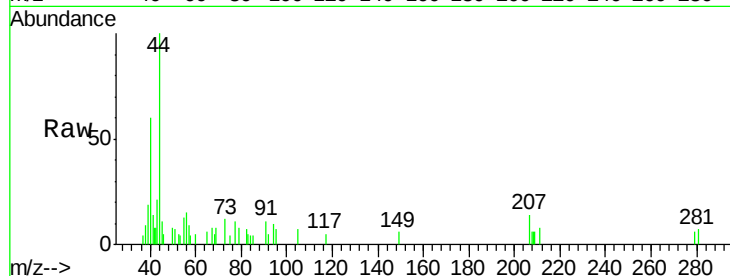
Tot Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

110 0.0 18.4 55.2#

77 540.9 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): VF0

Ion 76.90 (76.60 to 77.60): VF0

400

300

200

100

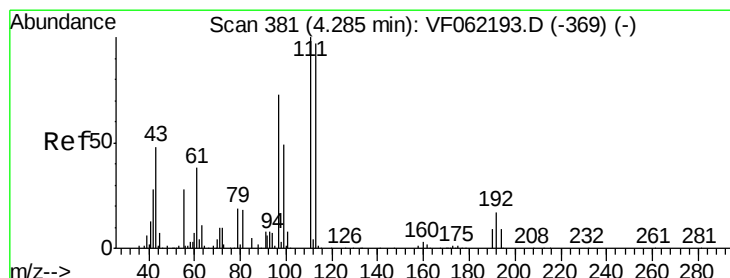
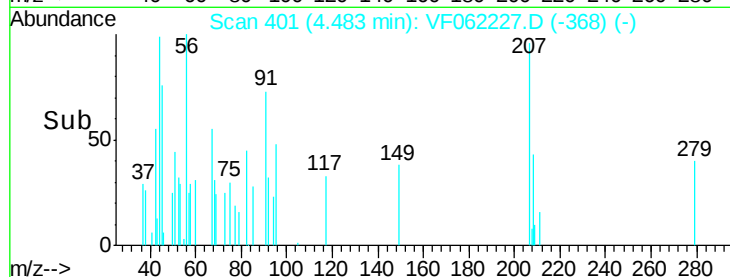
0

4.46

4.48

4.50

Time-->



#37

Ethyl Acetate

Concen: 1065.298 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.03 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

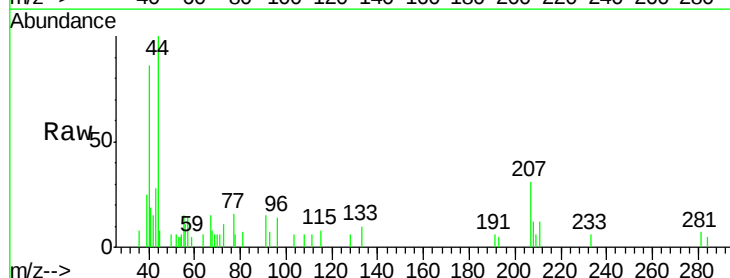
Tgt Ion: 43 Resp: 892

Ion Ratio Lower Upper

43 100

61 7.0 0.0 0.0#

70 0.0 7.8 11.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 70.00 (69.70 to 70.70): VF0

600

400

200

0

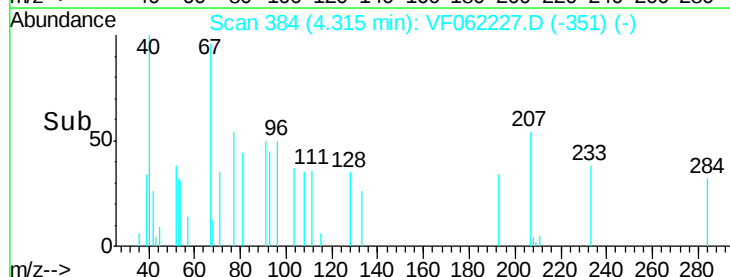
4.28

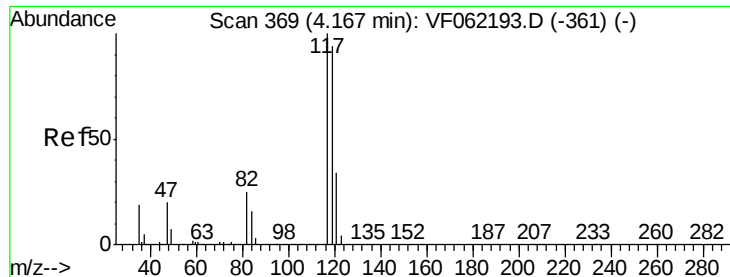
4.30

4.32

4.34

Time-->





#38

Carbon Tetrachloride

Concen: 39.475 ug/l

RT: 4.22 min Scan# 374

Delta R.T. 0.05 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampleId :

TP-18-S2RE

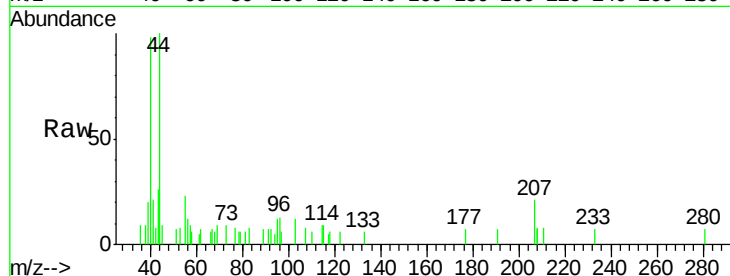
Tot Ion:117 Resp: 62

Ion Ratio Lower Upper

117 100

119 0.0 75.0 112.4#

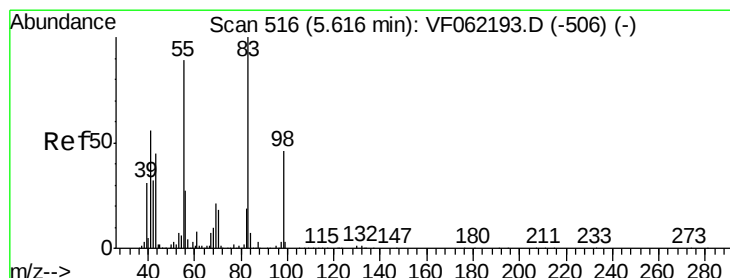
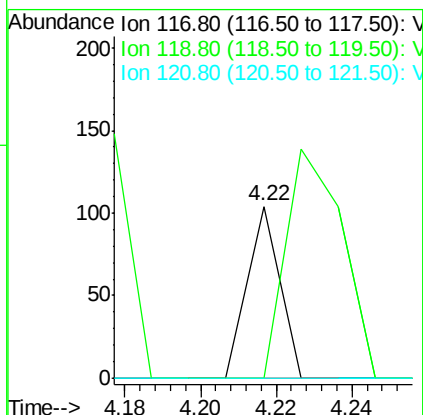
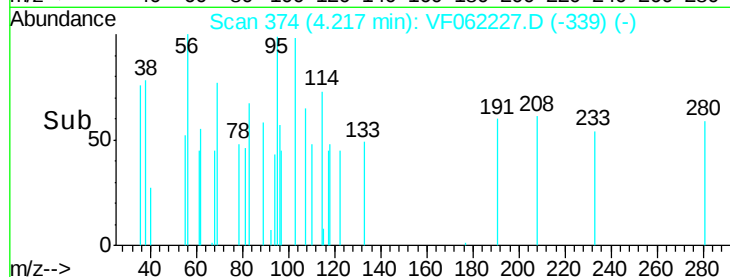
121 0.0 26.9 40.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 141.206 ug/l

RT: 5.63 min Scan# 517

Delta R.T. 0.01 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

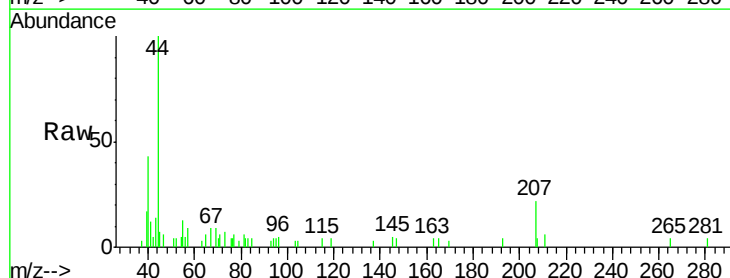
Tgt Ion: 83 Resp: 300

Ion Ratio Lower Upper

83 100

55 160.1 71.0 106.6#

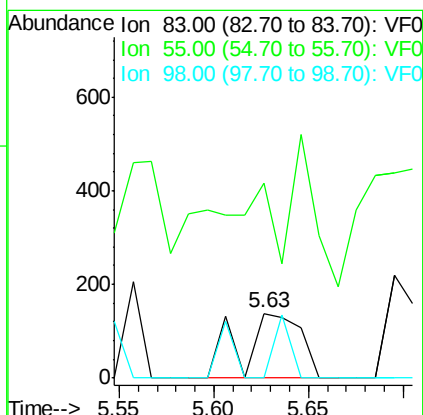
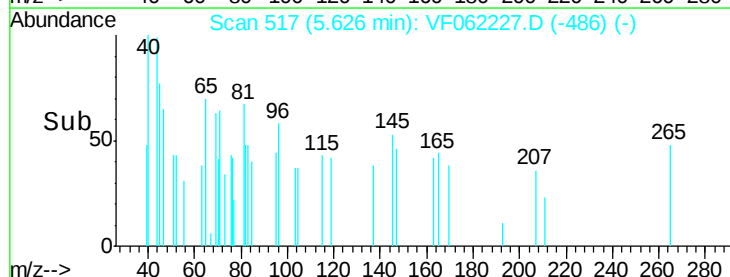
98 0.0 36.7 55.1#

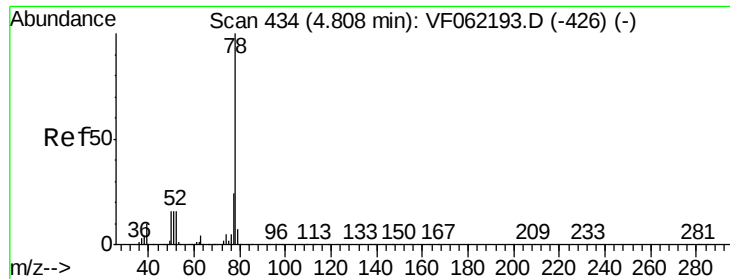


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 98.404 ug/l

RT: 4.83 min Scan# 436

Delta R.T. 0.02 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampled :

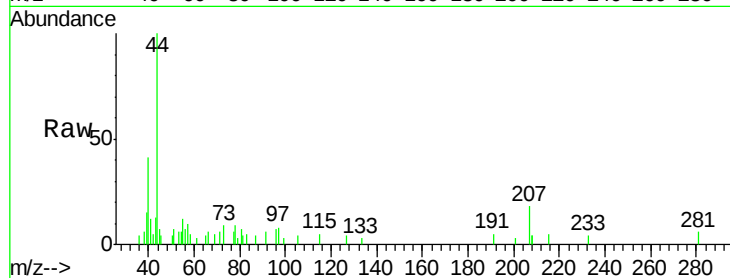
TP-18-S2RE

Tot Ion: 78 Resp: 458

Ion Ratio Lower Upper

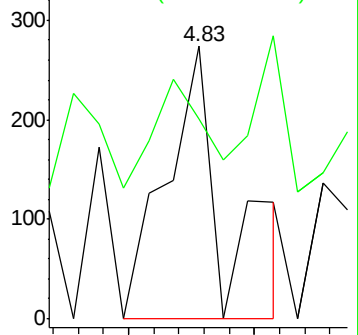
78 100

77 25.5 18.9 28.3

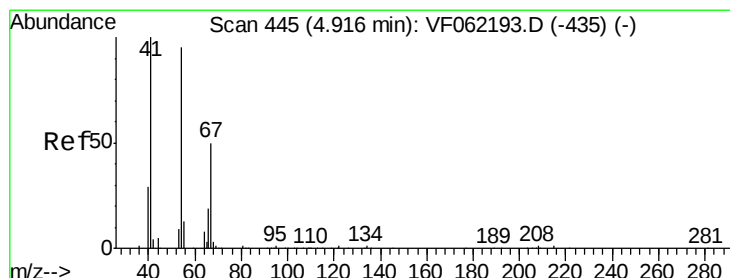
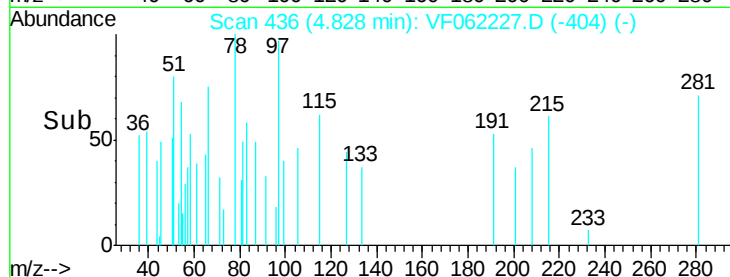


Abundance Ion 78.00 (77.70 to 78.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time-->



#41

Methacrylonitrile

Concen: 813.683 ug/l

RT: 4.90 min Scan# 443

Delta R.T. -0.02 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Tgt Ion: 41 Resp: 393

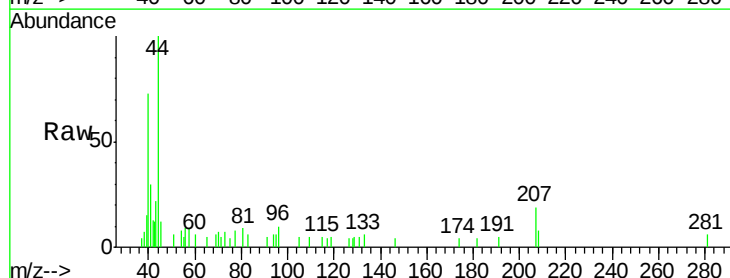
Ion Ratio Lower Upper

41 100

39 118.6 44.7 67.1#

67 0.0 39.1 58.7#

52 0.0 49.8 74.8#

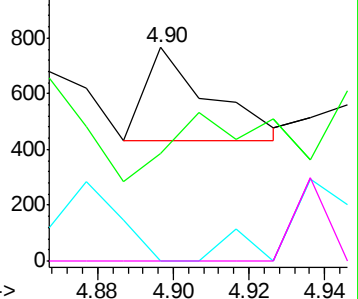


Abundance Ion 41.00 (40.70 to 41.70): VF0

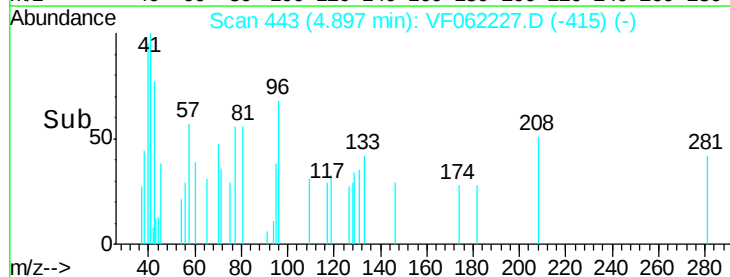
Ion 39.00 (38.70 to 39.70): VF0

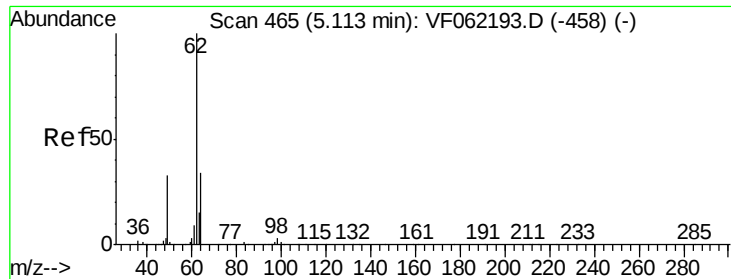
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



Time-->





#42

1,2-Dichloroethane

Concen: 82.086 ug/l

RT: 5.14 min Scan# 468

Delta R.T. 0.03 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampleId :

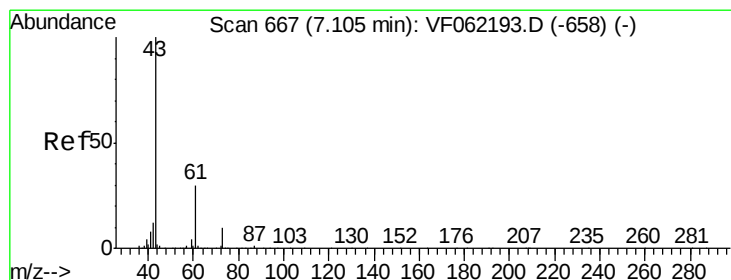
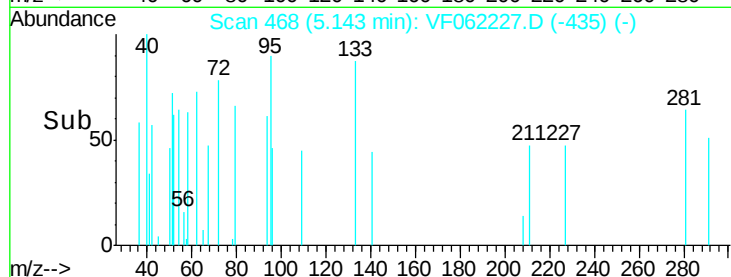
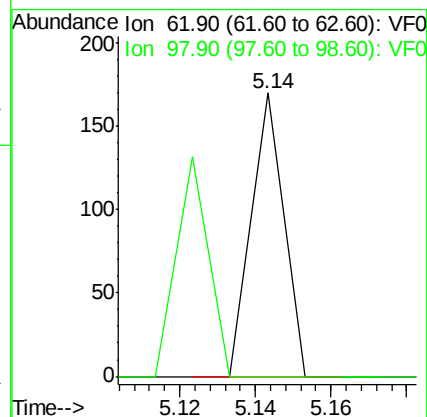
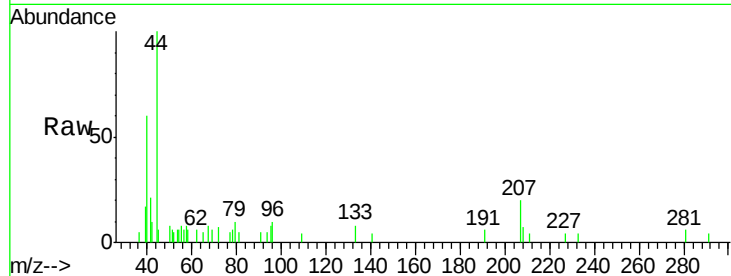
TP-18-S2RE

Tot Ion: 62 Resp: 101

Ion Ratio Lower Upper

62 100

98 77.2 0.0 19.0#



#43

Isopropyl Acetate

Concen: 2701.386 ug/l

RT: 7.10 min Scan# 667

Delta R.T. 0.00 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

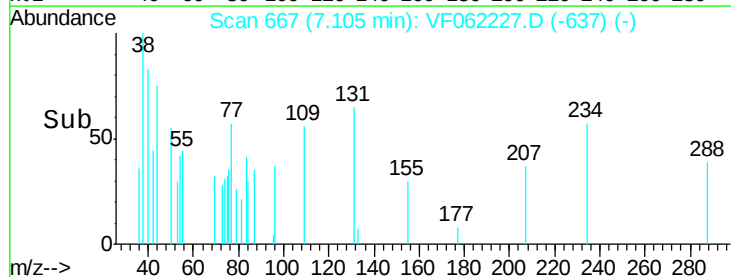
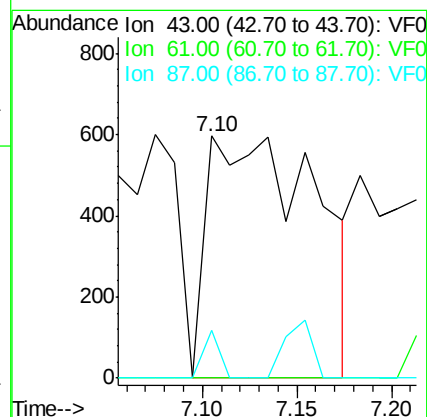
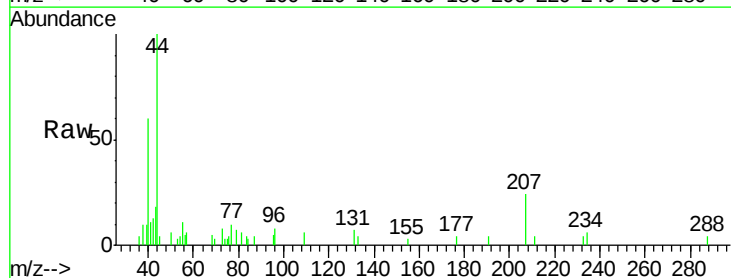
Tgt Ion: 43 Resp: 2379

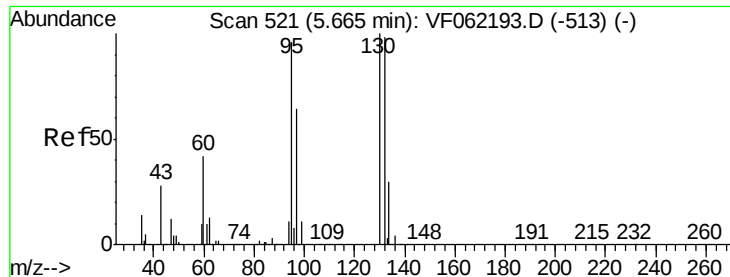
Ion Ratio Lower Upper

43 100

61 0.0 24.4 36.6#

87 2.9 0.4 0.6#





#44

Trichloroethene

Concen: 130.400 ug/l

RT: 5.60 min Scan# 514

Delta R.T. -0.07 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampleId :

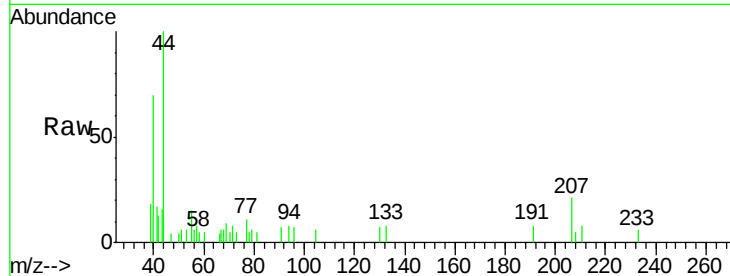
TP-18-S2RE

Tot Ion:130 Resp: 164

Ion Ratio Lower Upper

130 100

95 0.0 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0

5.60

150

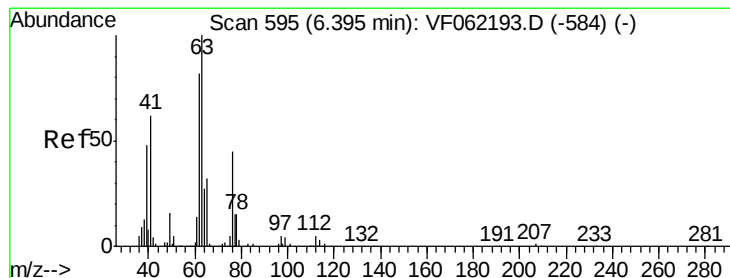
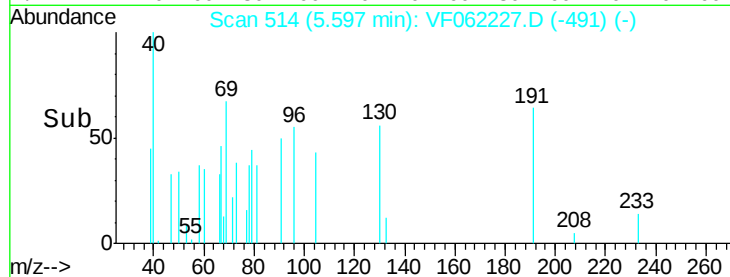
100

50

0

5.56 5.58 5.60 5.62 5.64

Time-->



#45

1,2-Dichloropropane

Concen: 150.212 ug/l

RT: 6.43 min Scan# 599

Delta R.T. 0.04 min

Lab File: VF062227.D

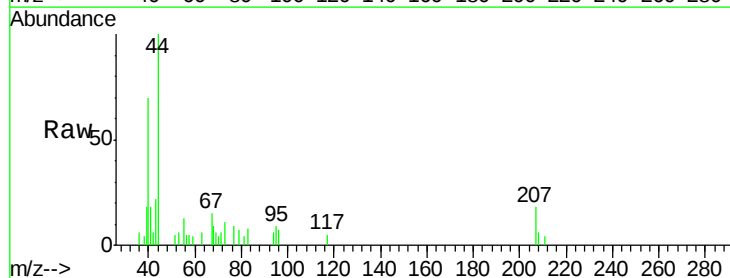
Acq: 19 Apr 2019 16:16

Tgt Ion: 63 Resp: 154

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0

200

150

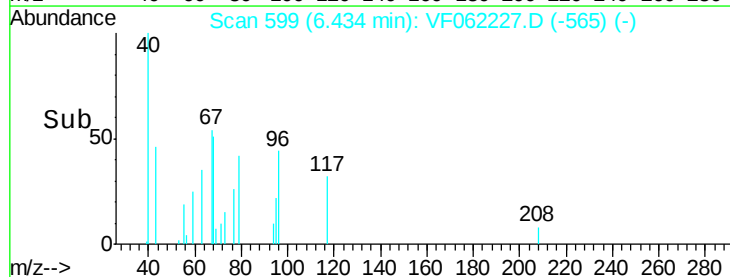
100

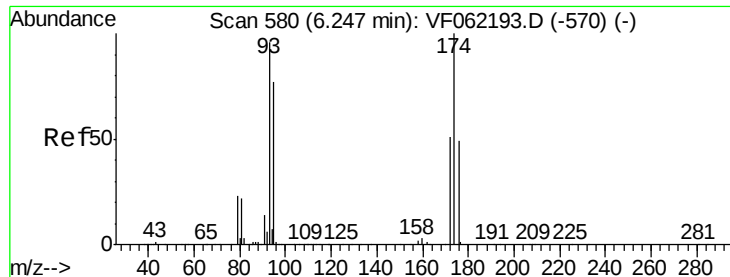
50

0

6.40 6.42 6.44 6.46

Time-->





#46

Dibromomethane

Concen: 139.276 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.02 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampleId :

TP-18-S2RE

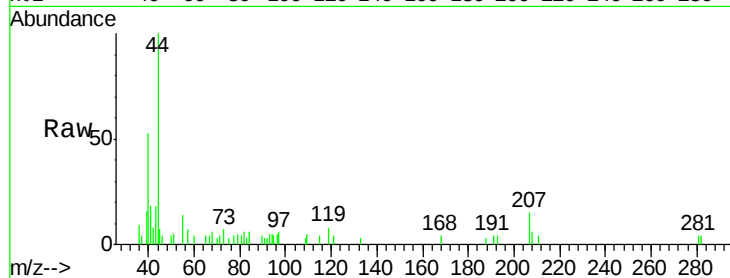
Tot Ion: 93 Resp: 95

Ion Ratio Lower Upper

93 100

95 226.3 65.1 97.7#

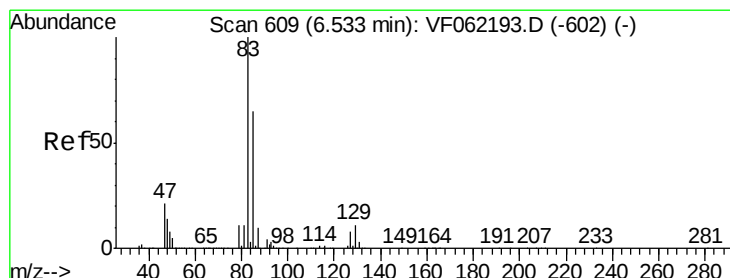
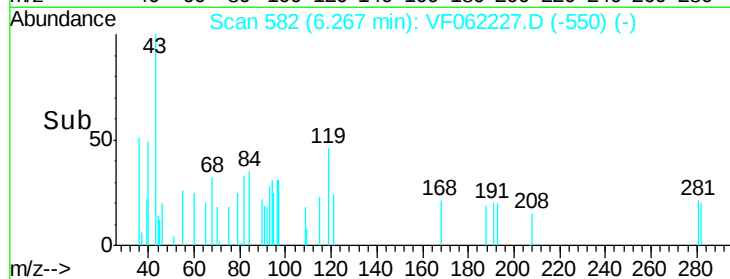
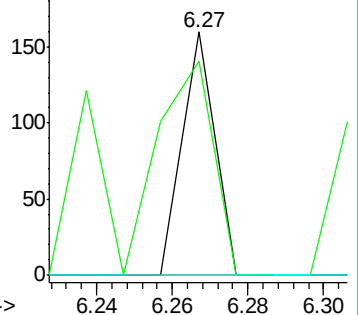
174 0.0 81.8 122.6#



Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 270.911 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.03 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

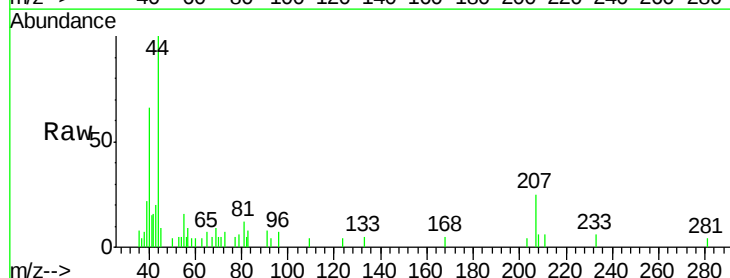
Tgt Ion: 83 Resp: 417

Ion Ratio Lower Upper

83 100

85 0.0 52.2 78.4#

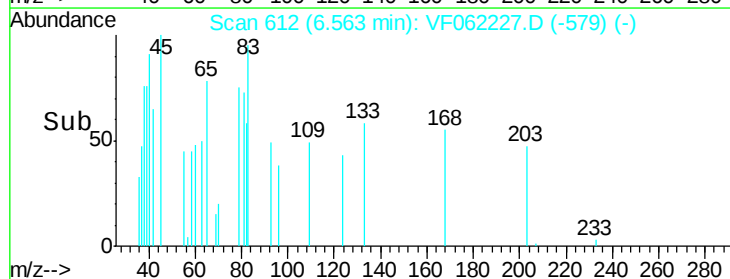
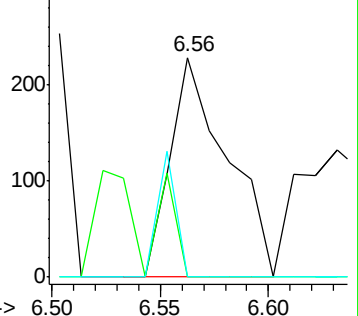
127 0.0 6.7 10.1#

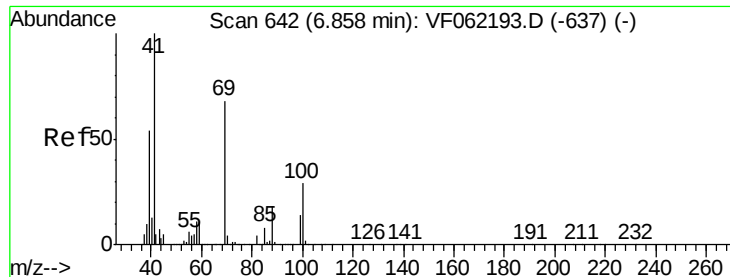


Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V

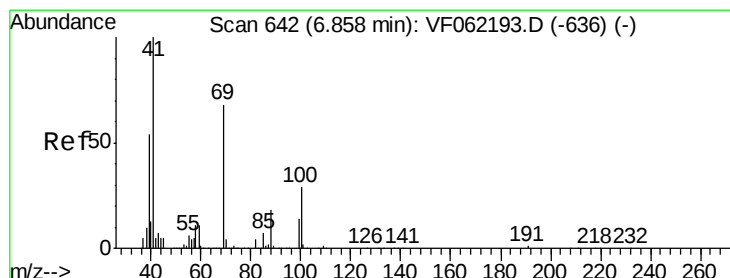
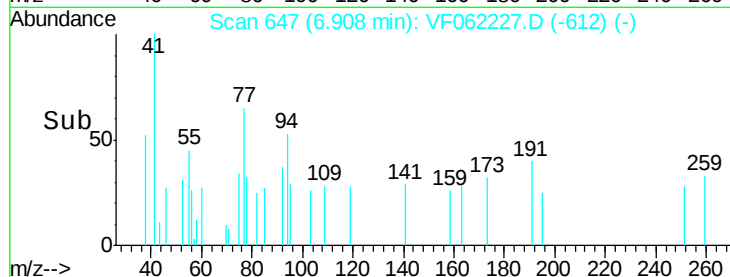
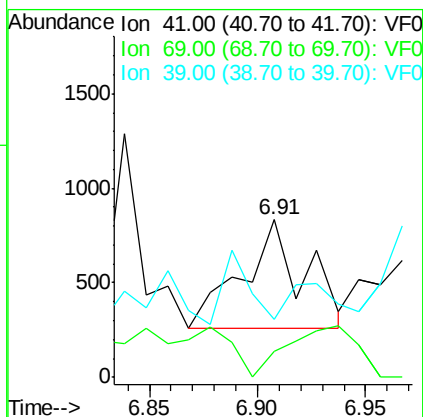
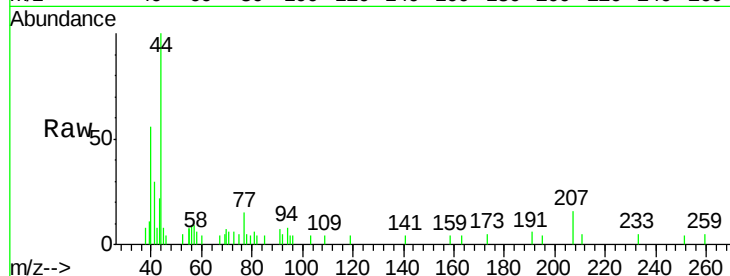




#48  
Methyl methacrylate  
Concen: 1964.558 ug/l  
RT: 6.91 min Scan# 647  
Delta R.T. 0.05 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

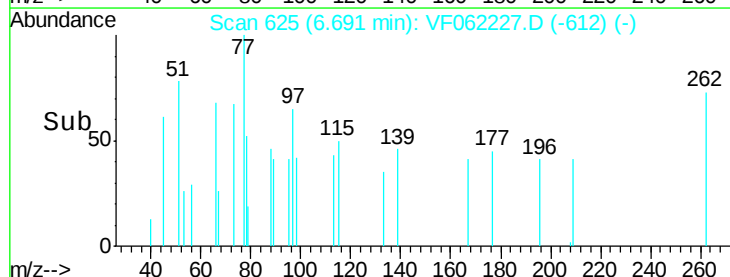
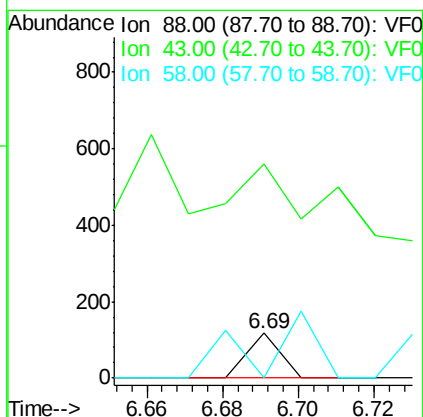
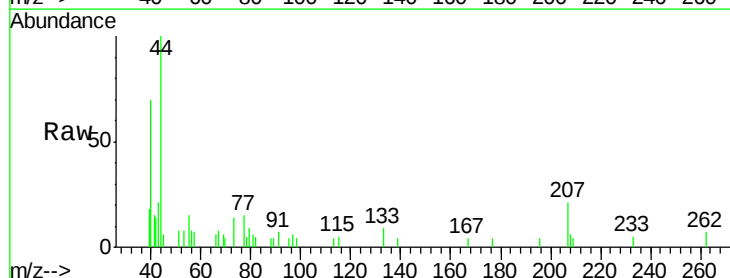
Instrument :  
MSVOA\_F  
ClientSampleId :  
TP-18-S2RE

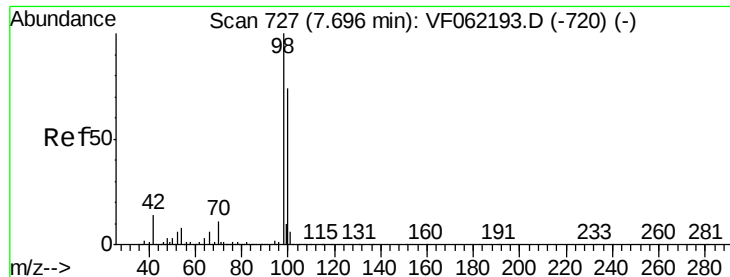
Tot Ion: 41 Resp: 1137  
Ion Ratio Lower Upper  
41 100  
69 0.0 54.9 82.3#  
39 30.3 43.6 65.4#



#49  
1,4-Dioxane  
Concen: 10546.257 ug/l  
RT: 6.69 min Scan# 625  
Delta R.T. -0.17 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

Tgt Ion: 88 Resp: 70  
Ion Ratio Lower Upper  
88 100  
43 0.0 36.9 55.3#  
58 105.7 56.8 85.2#





#50

Toluene-d8

Concen: 99.783 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.03 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampleId :

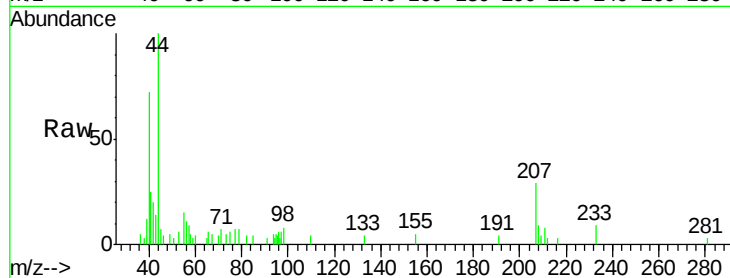
TP-18-S2RE

Tot Ion: 98 Resp: 327

Ion Ratio Lower Upper

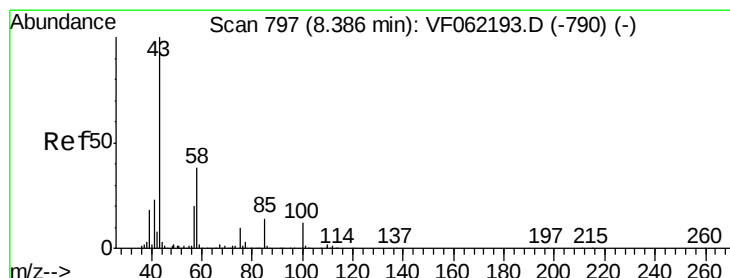
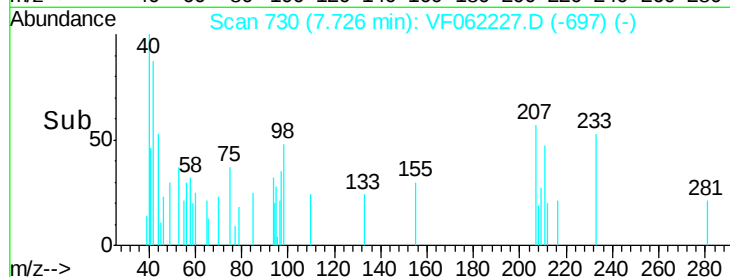
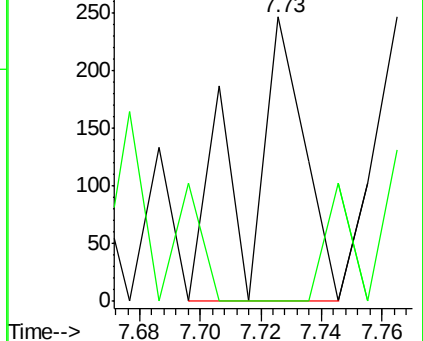
98 100

100 0.0 56.2 84.2#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 738.910 ug/l

RT: 8.19 min Scan# 777

Delta R.T. -0.20 min

Lab File: VF062227.D

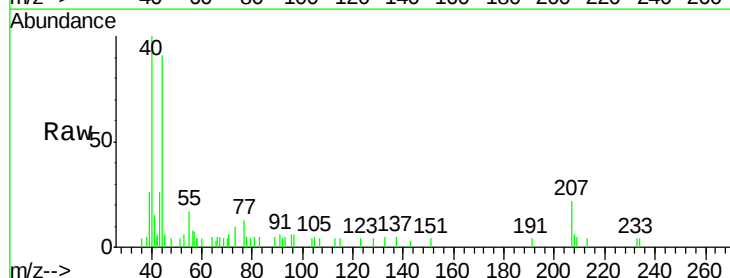
Acq: 19 Apr 2019 16:16

Tgt Ion: 43 Resp: 484

Ion Ratio Lower Upper

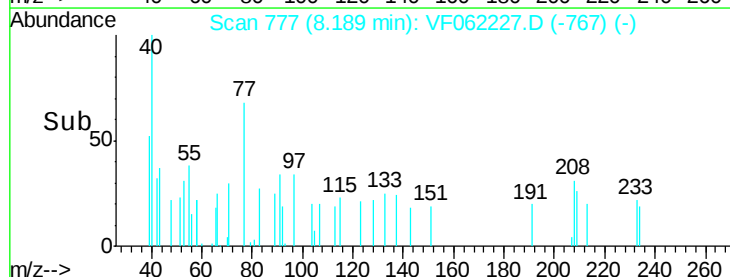
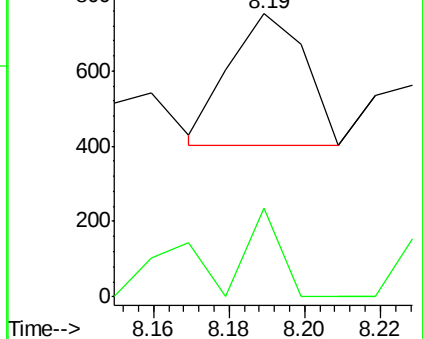
43 100

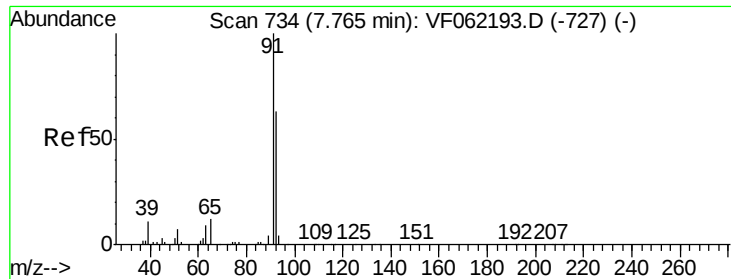
58 30.4 29.3 43.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#52

Toluene

Concen: 27.717 ug/l

RT: 7.55 min Scan# 712

Delta R.T. -0.22 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampled :

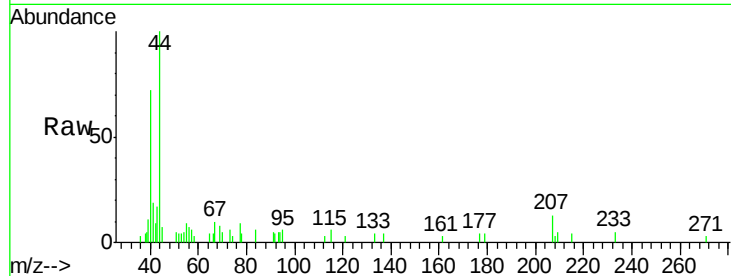
TP-18-S2RE

Tot Ion: 92 Resp: 68

Ion Ratio Lower Upper

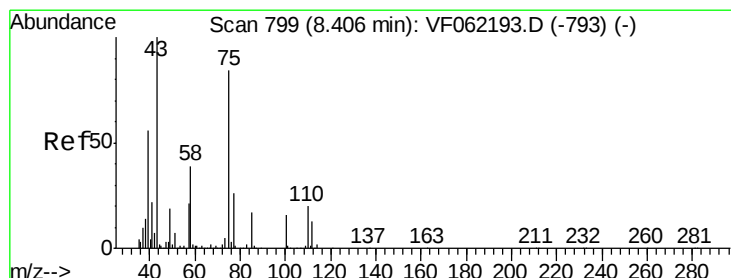
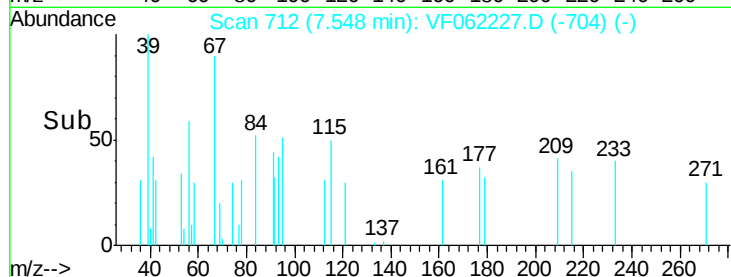
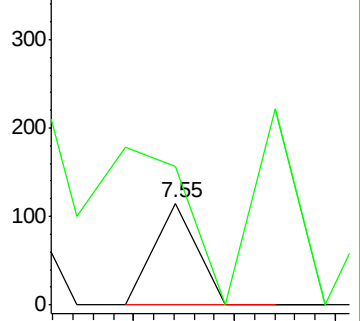
92 100

91 192.6 130.1 195.1



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: 232.677 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062227.D

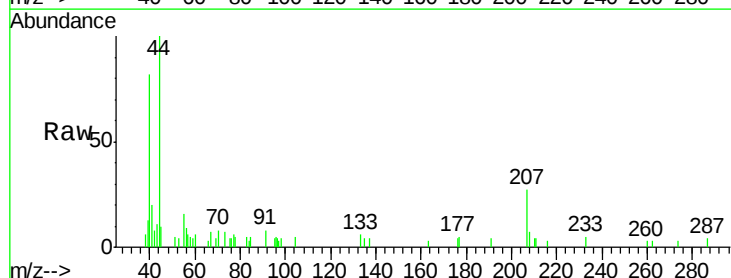
Acq: 19 Apr 2019 16:16

Tgt Ion: 75 Resp: 269

Ion Ratio Lower Upper

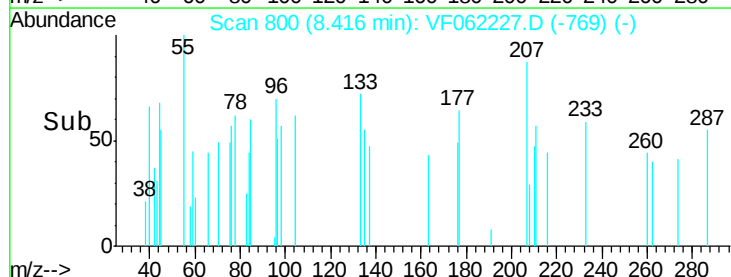
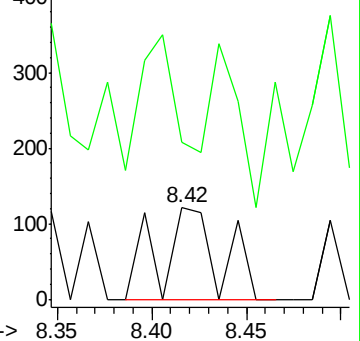
75 100

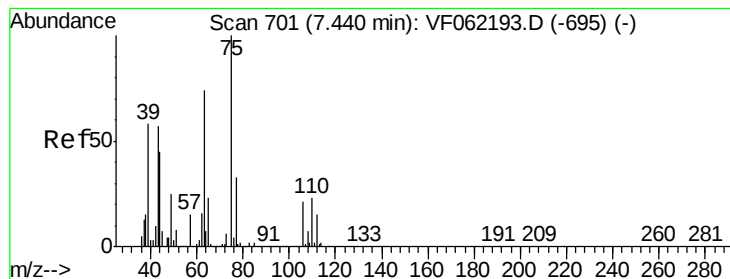
77 29.8 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0





#54

cis-1,3-Dichloropropene

Concen: 91.443 ug/l

RT: 7.50 min Scan# 707

Delta R.T. 0.06 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampleId :

TP-18-S2RE

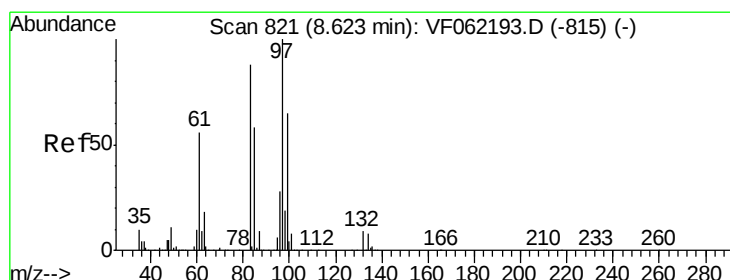
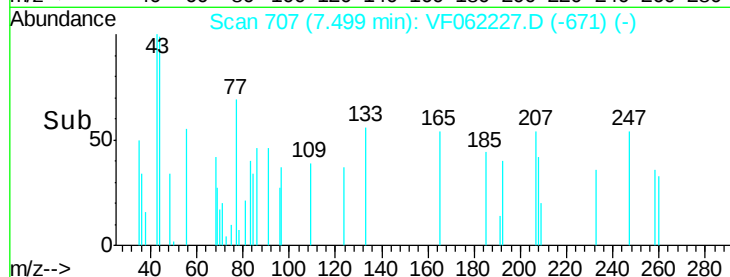
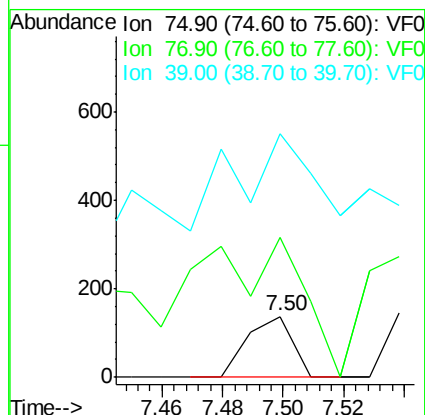
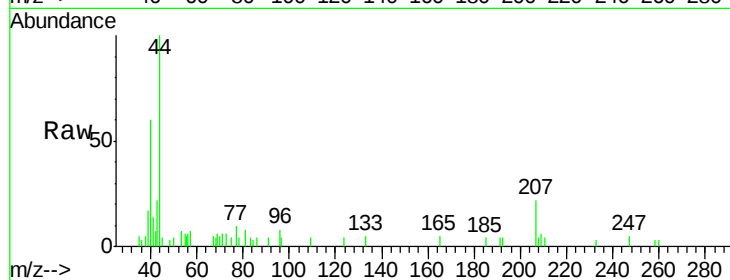
Tot Ion: 75 Resp: 143

Ion Ratio Lower Upper

75 100

77 229.7 26.4 39.6#

39 158.7 46.7 70.1#



#55

1,1,2-Trichloroethane

Concen: 120.764 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.03 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Tgt Ion: 97 Resp: 83

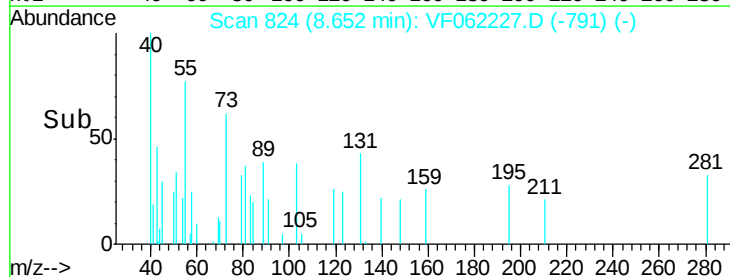
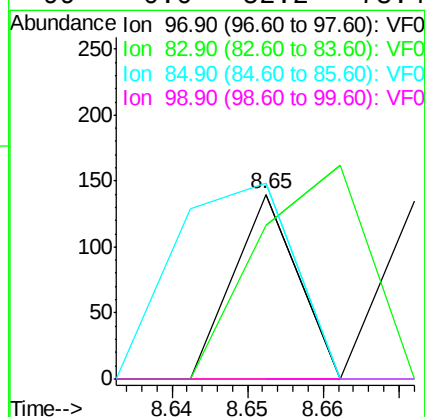
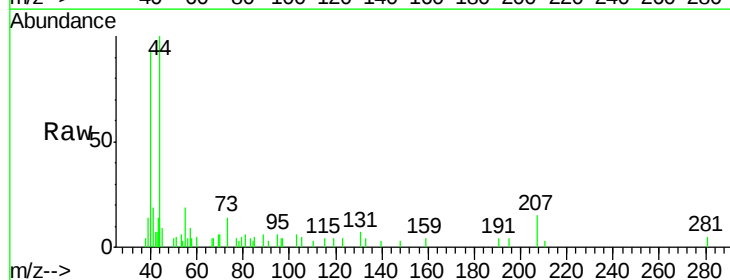
Ion Ratio Lower Upper

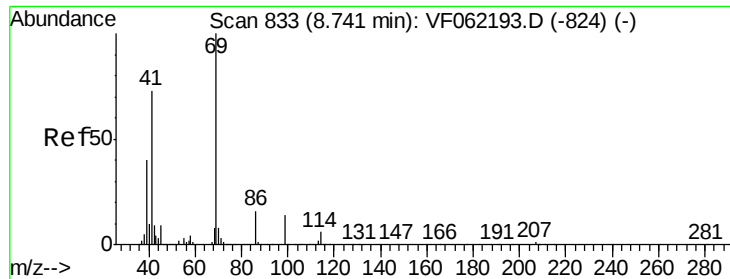
97 100

83 82.9 70.2 105.2

85 105.7 46.2 69.4#

99 0.0 52.2 78.4#





#56

Ethyl methacrylate

Concen: 1073.691 ug/l

RT: 8.79 min Scan# 838

Delta R.T. 0.05 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampled :

TP-18-S2RE

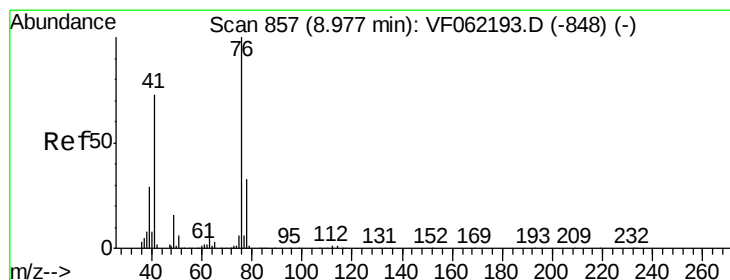
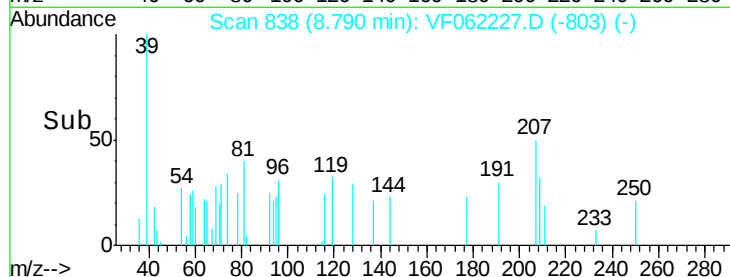
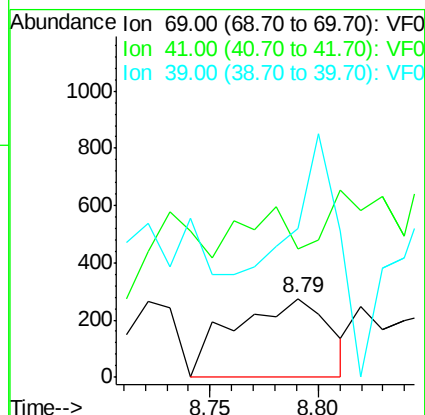
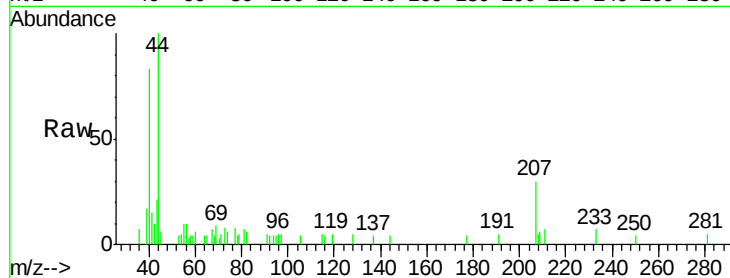
Tot Ion: 69 Resp: 839

Ion Ratio Lower Upper

69 100

41 63.9 61.5 92.3

39 192.1 33.3 49.9#



#57

1,3-Dichloropropane

Concen: 112.631 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.01 min

Lab File: VF062227.D

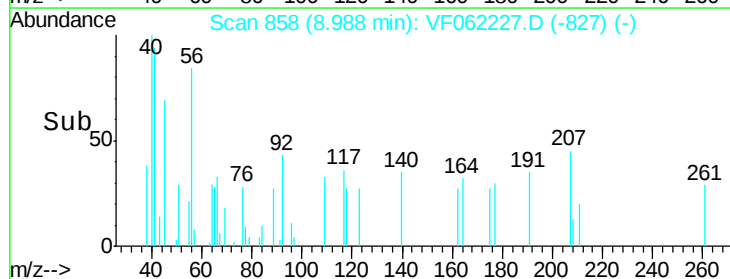
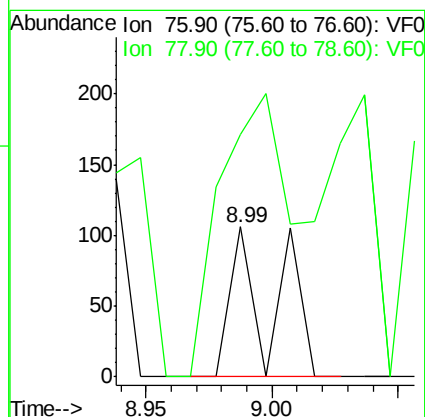
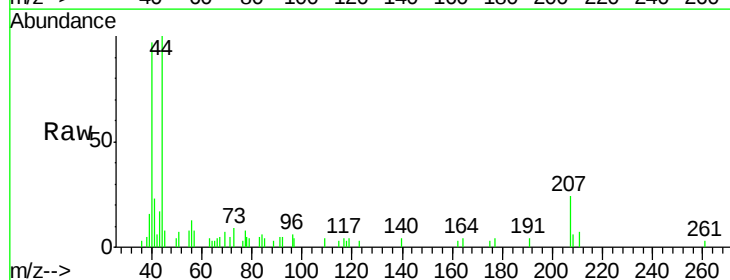
Acq: 19 Apr 2019 16:16

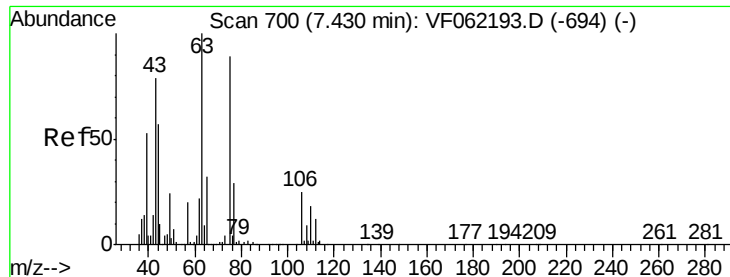
Tgt Ion: 76 Resp: 125

Ion Ratio Lower Upper

76 100

78 290.4 26.5 39.7#

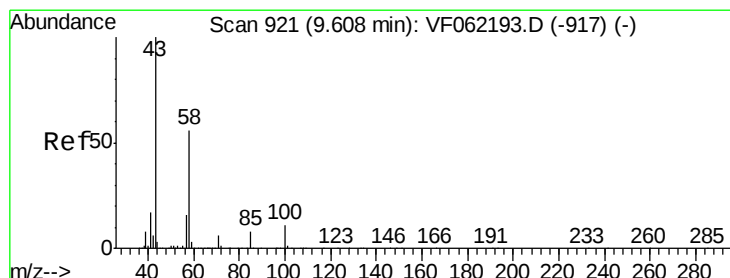
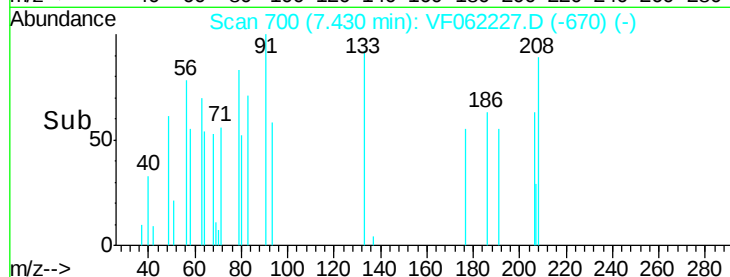
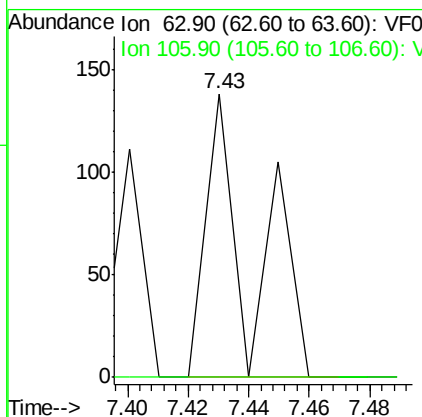
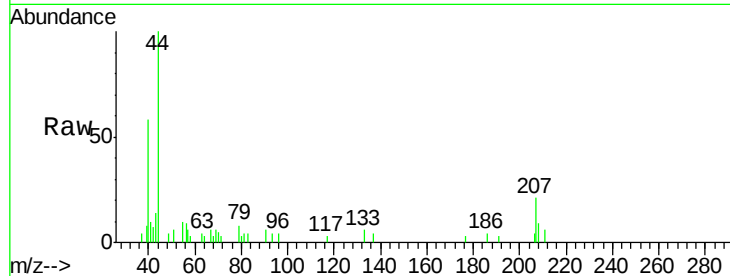




#58  
 2-Chloroethyl Vinyl ether  
 Concen: 634.720 ug/l  
 RT: 7.43 min Scan# 700  
 Delta R.T. 0.00 min  
 Lab File: VF062227.D  
 Acq: 19 Apr 2019 16:16

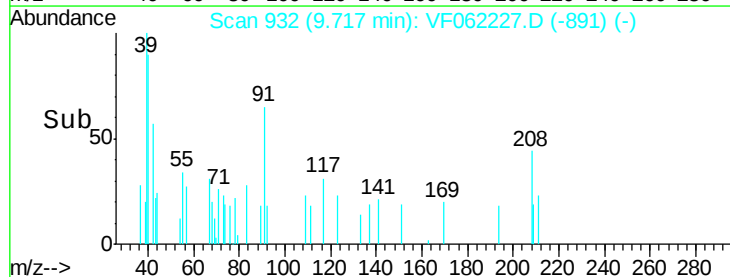
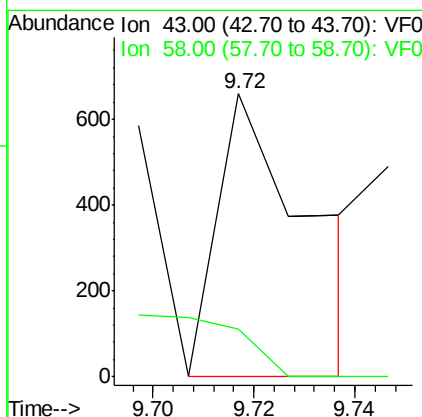
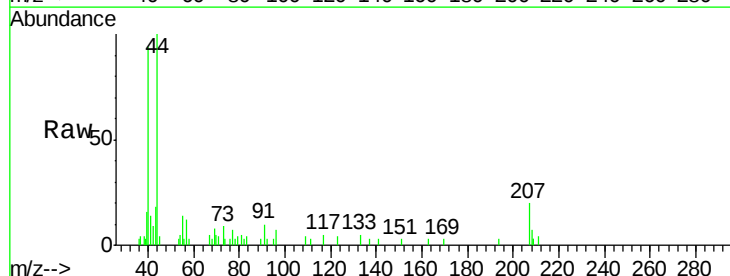
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 TP-18-S2RE

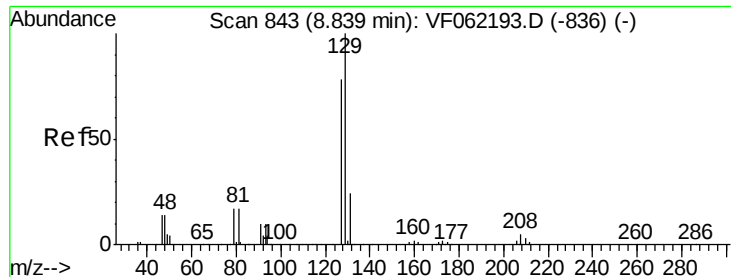
Tot Ion: 63 Resp: 144  
 Ion Ratio Lower Upper  
 63 100  
 106 0.0 21.4 32.0#



#59  
 2-Hexanone  
 Concen: 2040.782 ug/l  
 RT: 9.72 min Scan# 932  
 Delta R.T. 0.11 min  
 Lab File: VF062227.D  
 Acq: 19 Apr 2019 16:16

Tgt Ion: 43 Resp: 834  
 Ion Ratio Lower Upper  
 43 100  
 58 37.9 24.6 74.0





#60

Dibromochloromethane

Concen: 124.250 ug/l

RT: 8.83 min Scan# 842

Delta R.T. -0.01 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampleId :

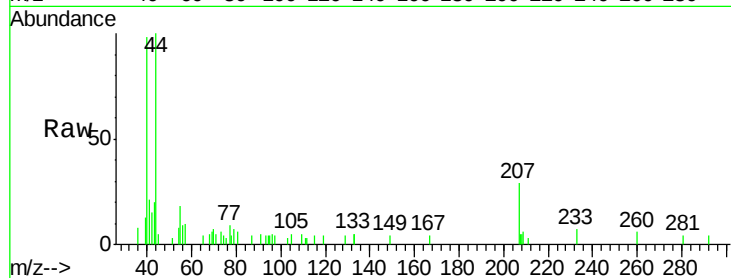
TP-18-S2RE

Tot Ion:129 Resp: 127

Ion Ratio Lower Upper

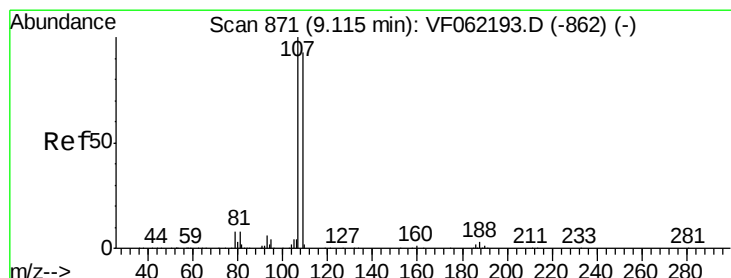
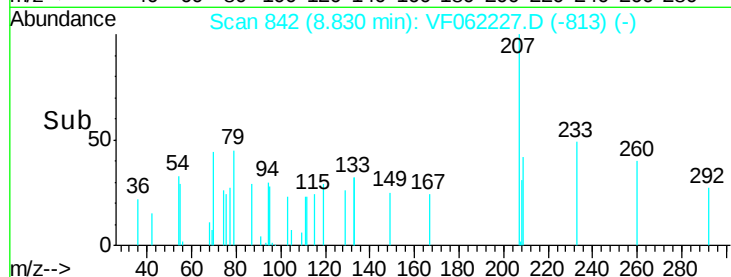
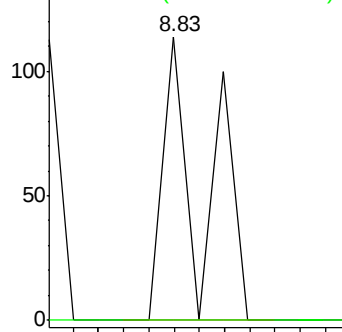
129 100

127 0.0 39.0 117.0#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 210.508 ug/l

RT: 9.31 min Scan# 891

Delta R.T. 0.20 min

Lab File: VF062227.D

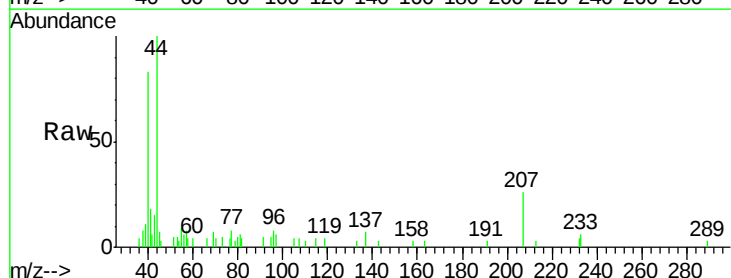
Acq: 19 Apr 2019 16:16

Tgt Ion:107 Resp: 163

Ion Ratio Lower Upper

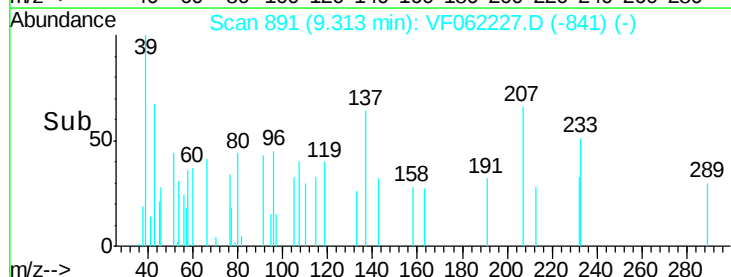
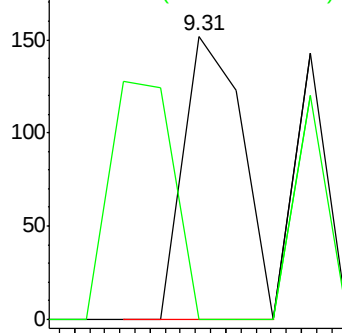
107 100

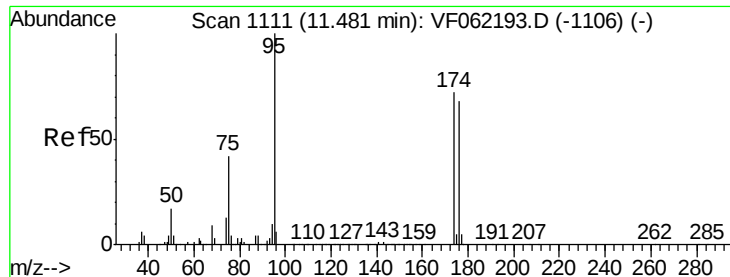
109 91.4 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

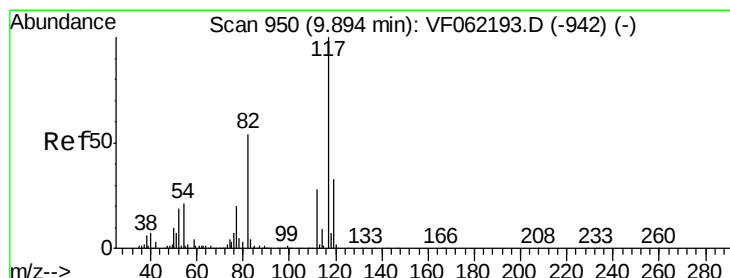
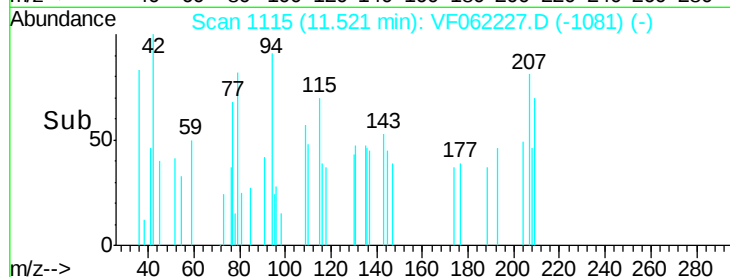
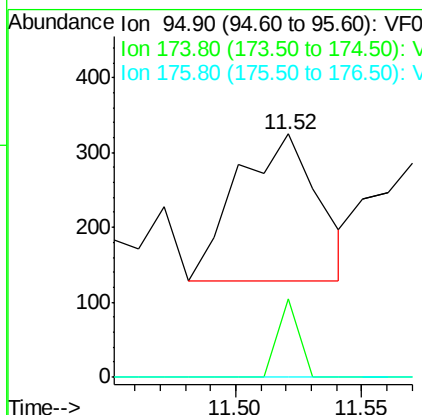
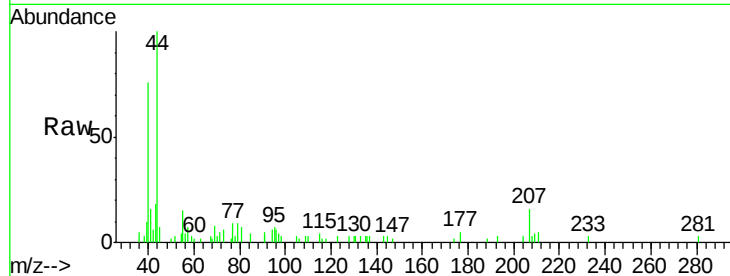




#62  
4-Bromofluorobenzene  
Concen: 350.601 ug/l  
RT: 11.52 min Scan# 1115  
Delta R.T. 0.04 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

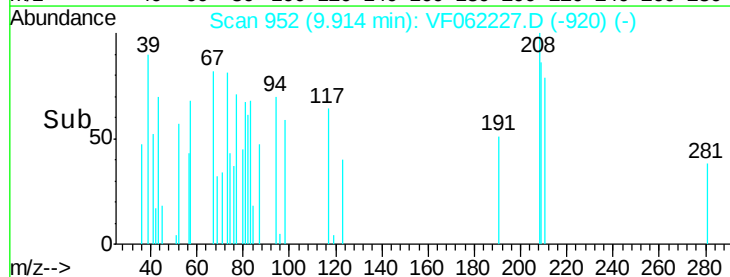
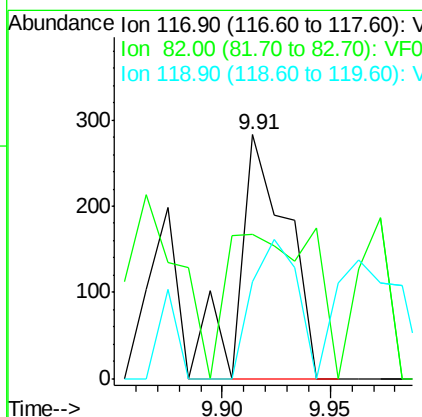
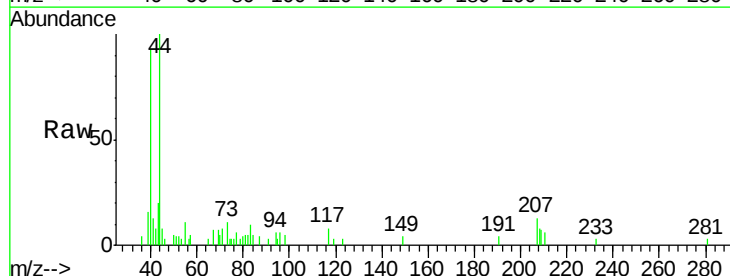
Instrument :  
MSVOA\_F  
ClientSampleId :  
TP-18-S2RE

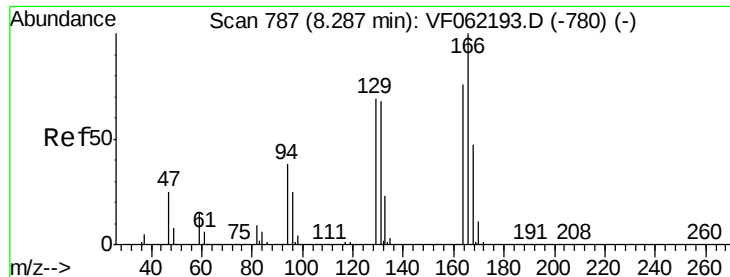
Tot Ion: 95 Resp: 442  
Ion Ratio Lower Upper  
95 100  
174 14.0 0.0 159.4  
176 0.0 0.0 155.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.91 min Scan# 952  
Delta R.T. 0.02 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

Tgt Ion: 117 Resp: 449  
Ion Ratio Lower Upper  
117 100  
82 59.0 43.2 64.8  
119 39.6 26.2 39.4#





#64

Tetrachloroethene

Concen: 14.803 ug/l

RT: 8.10 min Scan# 768

Delta R.T. -0.19 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampleId :

TP-18-S2RE

Tot Ion:164 Resp: 60

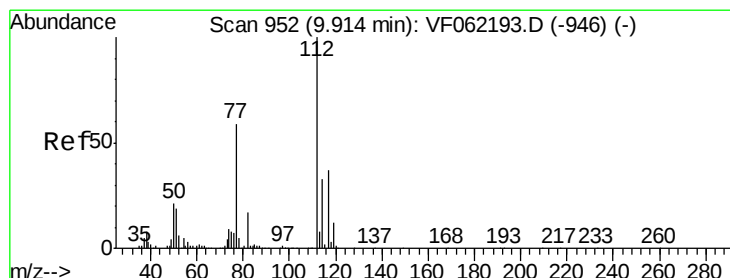
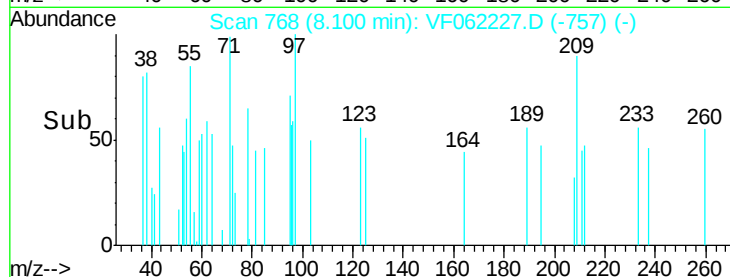
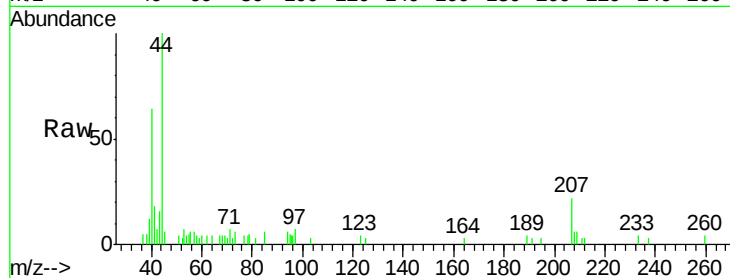
Ion Ratio Lower Upper

164 100

166 0.0 104.7 157.1#

129 0.0 72.6 109.0#

131 0.0 71.6 107.4#



#65

Chlorobenzene

Concen: 13.996 ug/l

RT: 9.96 min Scan# 957

Delta R.T. 0.05 min

Lab File: VF062227.D

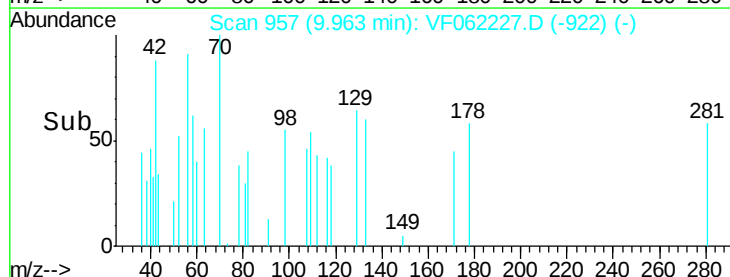
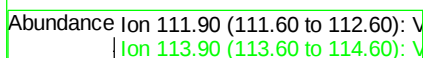
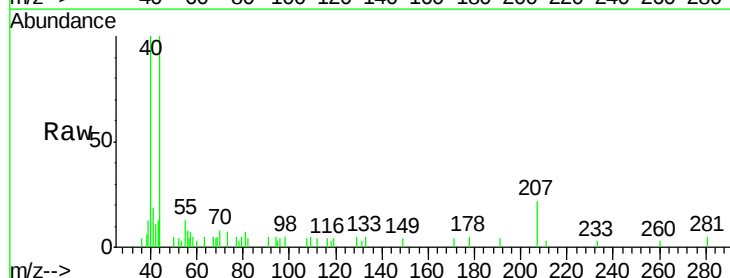
Acq: 19 Apr 2019 16:16

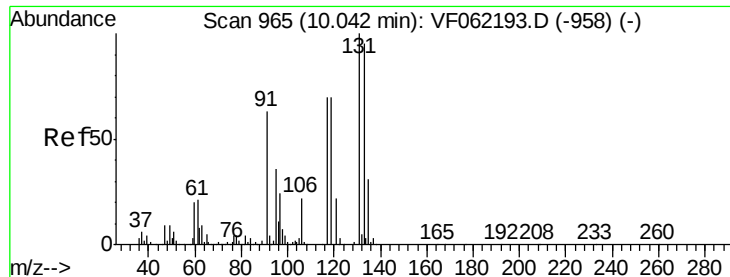
Tgt Ion:112 Resp: 134

Ion Ratio Lower Upper

112 100

114 0.0 26.1 39.1#





#66

1,1,1,2-Tetrachloroethane

Concen: 17.620 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampleId :

TP-18-S2RE

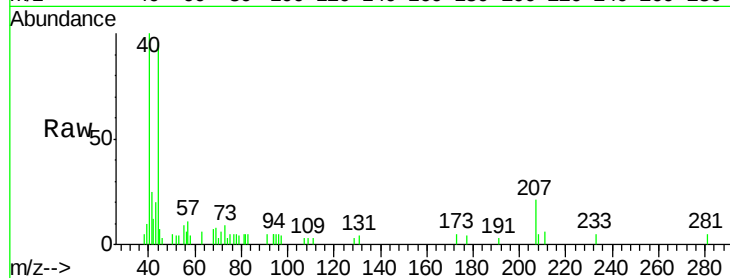
Tot Ion:131 Resp: 79

Ion Ratio Lower Upper

131 100

133 257.0 47.7 143.1#

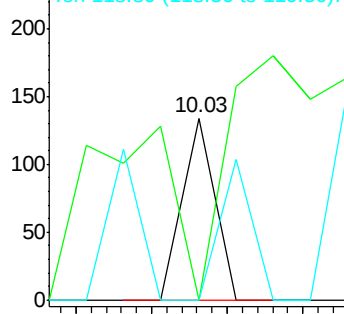
119 78.5 34.6 103.9



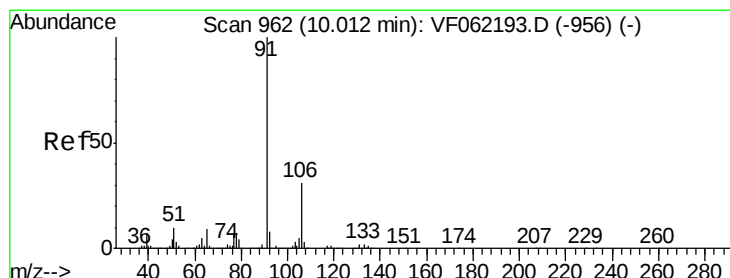
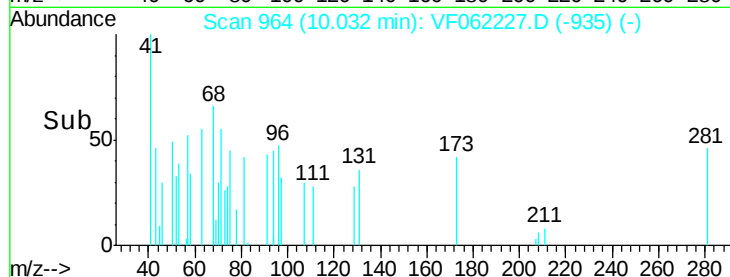
Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->



#67

Ethyl Benzene

Concen: 48.940 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.04 min

Lab File: VF062227.D

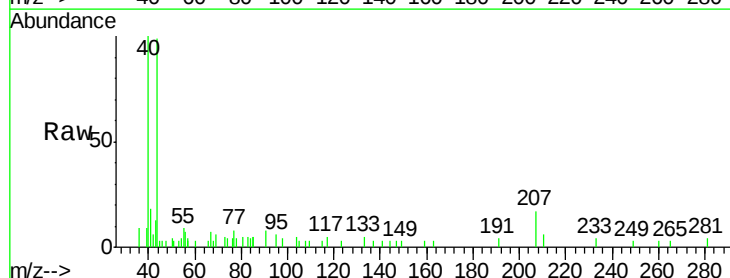
Acq: 19 Apr 2019 16:16

Tgt Ion: 91 Resp: 852

Ion Ratio Lower Upper

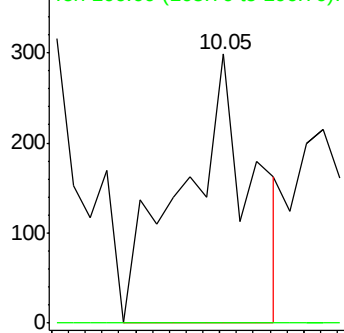
91 100

106 0.0 24.9 37.3#

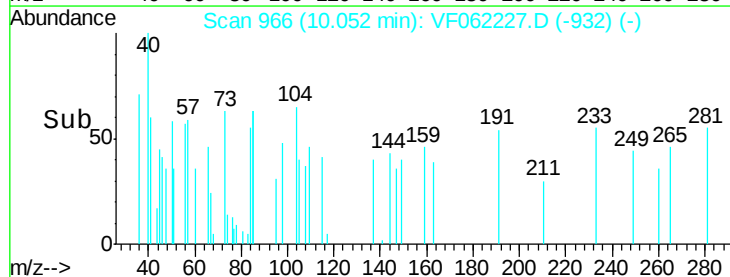


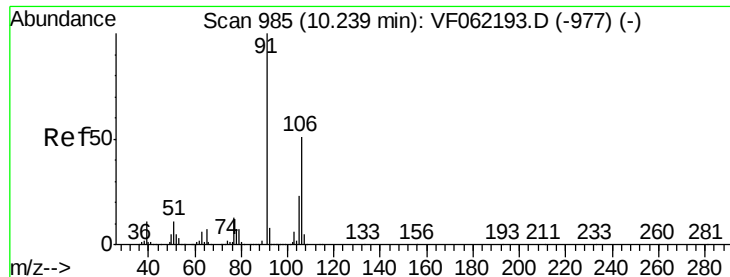
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



Time-->

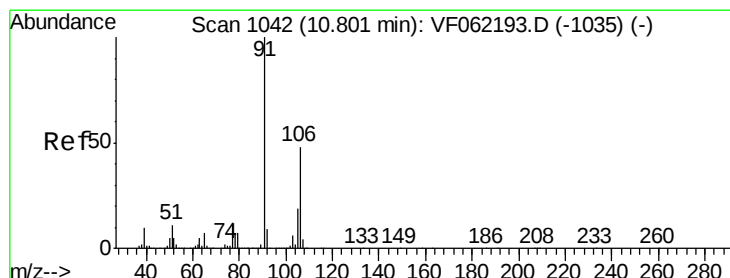
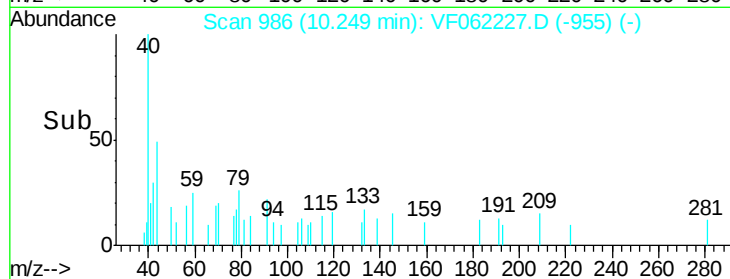
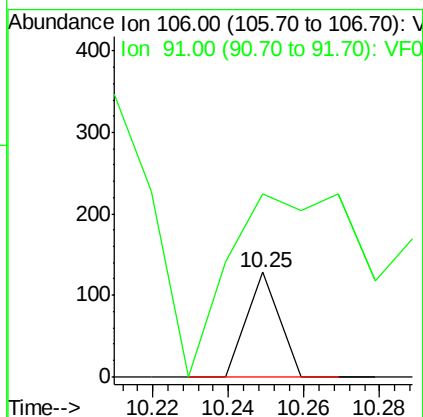
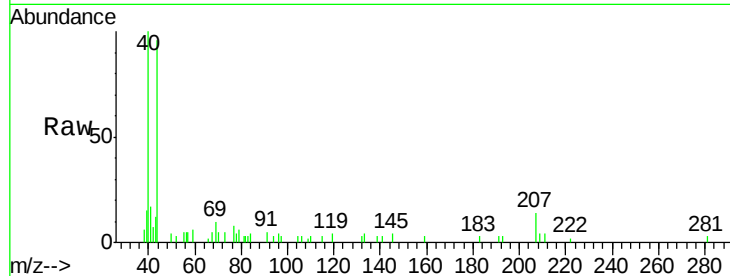




#68  
m/p-Xylenes  
Concen: 11.859 ug/l  
RT: 10.25 min Scan# 986  
Delta R.T. 0.01 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

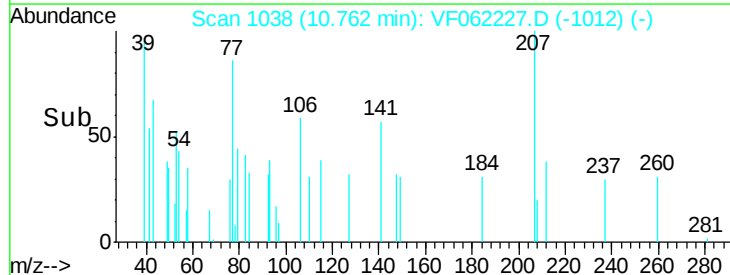
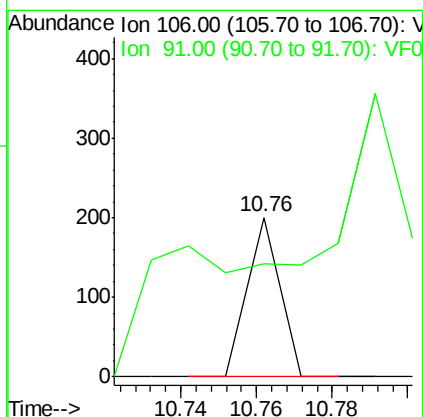
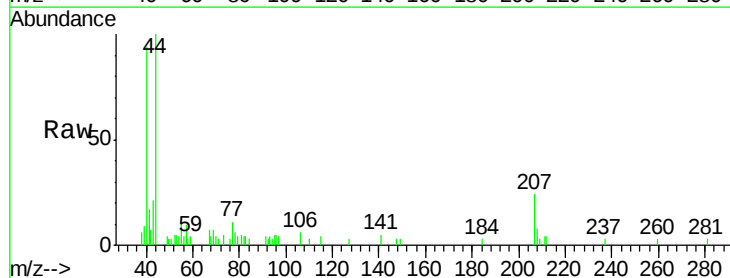
Instrument :  
MSVOA\_F  
ClientSampled :  
TP-18-S2RE

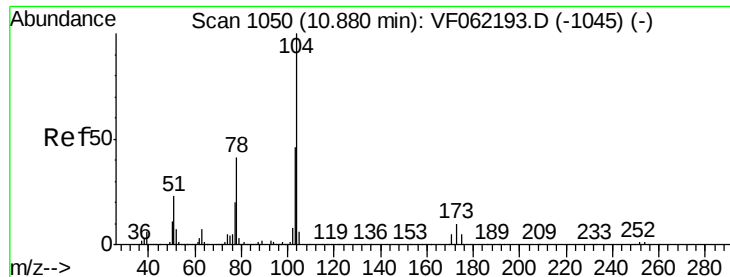
Tot Ion:106 Resp: 76  
Ion Ratio Lower Upper  
106 100  
91 709.2 159.1 238.7#



#69  
o-Xylene  
Concen: 16.584 ug/l  
RT: 10.76 min Scan# 1038  
Delta R.T. -0.04 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

Tgt Ion:106 Resp: 118  
Ion Ratio Lower Upper  
106 100  
91 221.2 107.5 322.4





#70

Stvrene

Concen: 6.473 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampled :

TP-18-S2RE

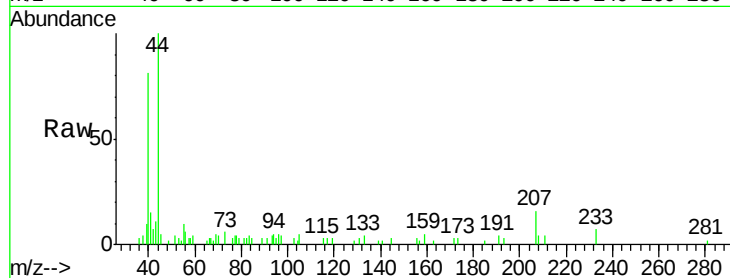
Tot Ion:104 Resp: 65

Ion Ratio Lower Upper

104 100

78 458.5 34.5 51.7#

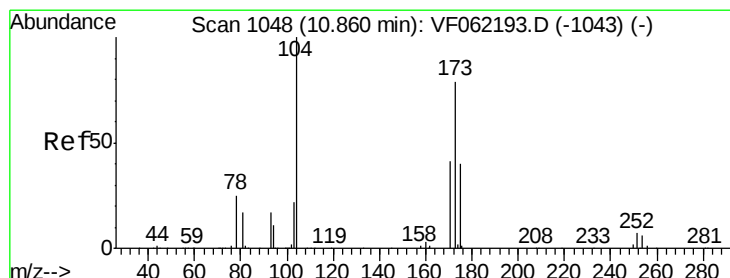
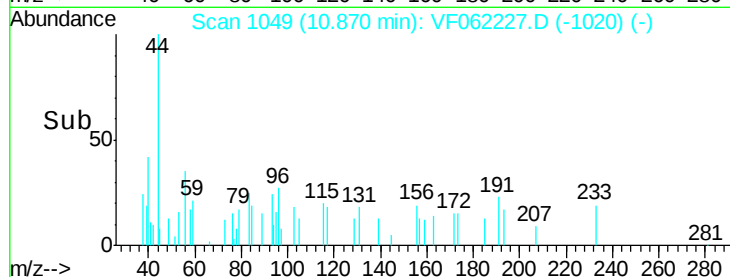
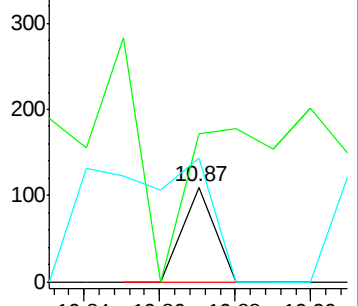
103 460.0 37.2 55.8#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 30.838 ug/l

RT: 10.85 min Scan# 1047

Delta R.T. -0.01 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

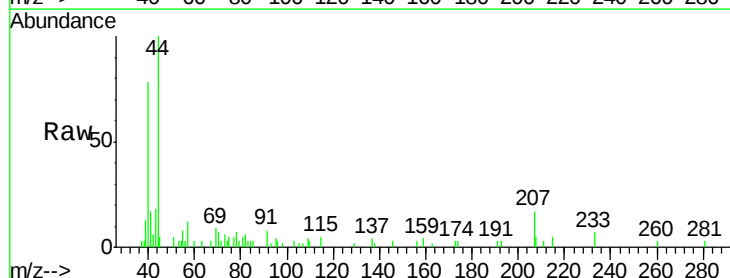
Tgt Ion:173 Resp: 73

Ion Ratio Lower Upper

173 100

175 0.0 24.5 73.5#

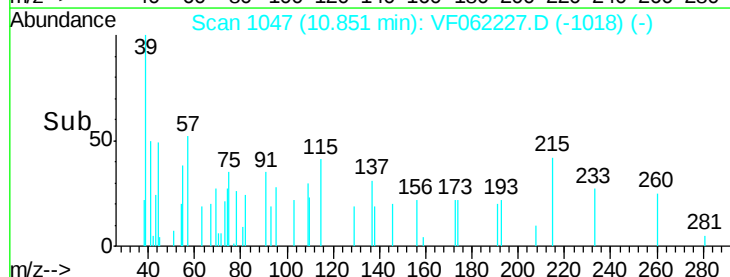
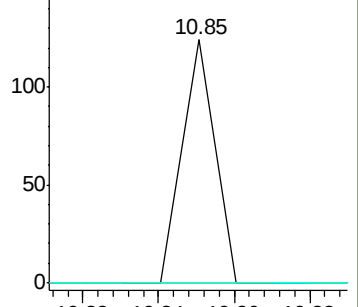
254 0.0 0.1 0.1#

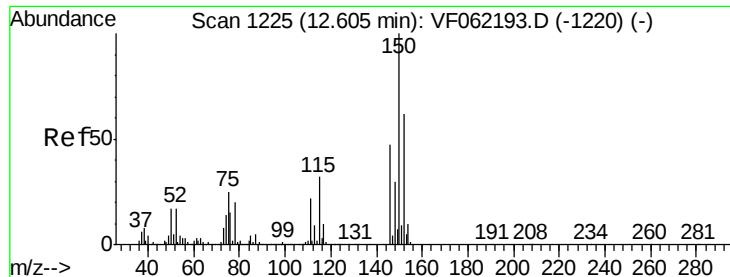


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



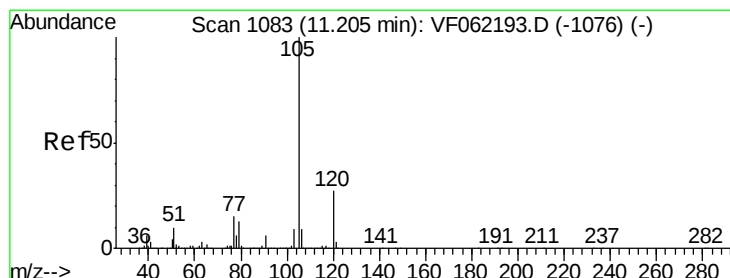
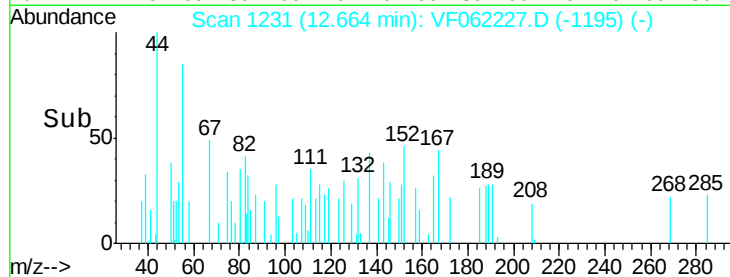
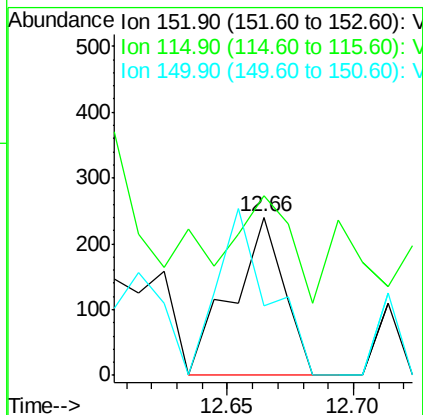
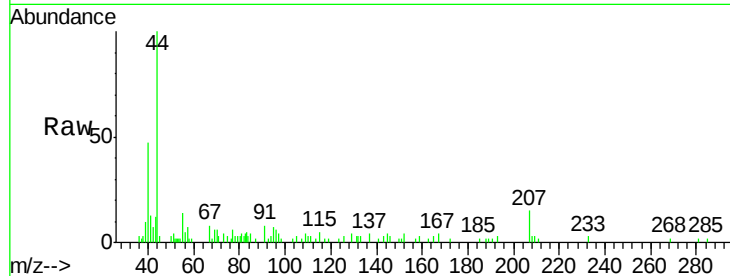


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.66 min Scan# 1231  
Delta R.T. 0.06 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
TP-18-S2RE

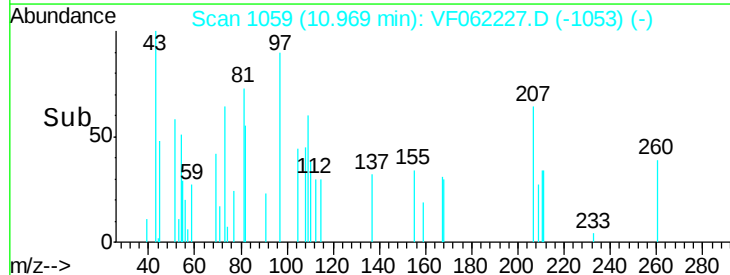
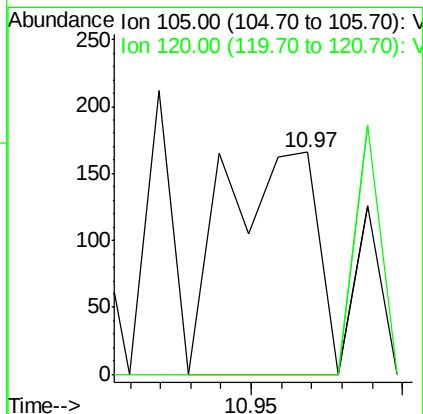
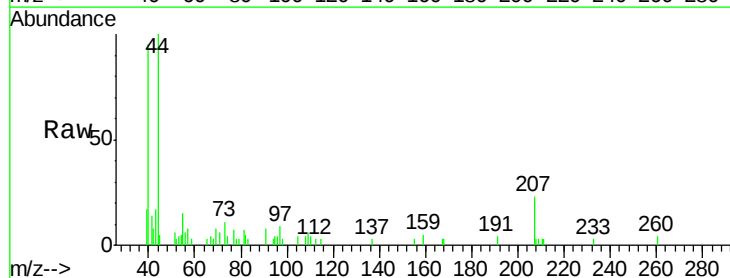
Tot Ion:152 Resp: 341  
Ion Ratio Lower Upper  
152 100  
115 67.4 27.8 83.3  
150 104.7 0.0 341.8

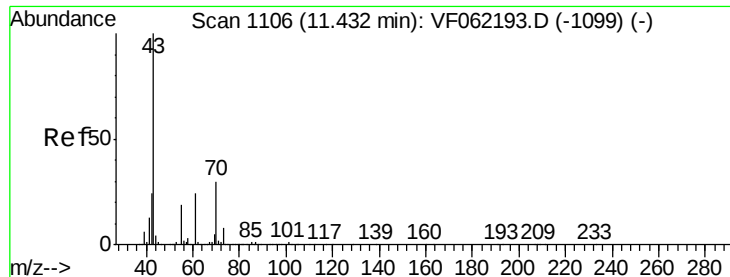


#73

Isopropylbenzene  
Concen: 12.085 ug/l  
RT: 10.97 min Scan# 1059  
Delta R.T. -0.24 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

Tgt Ion:105 Resp: 354  
Ion Ratio Lower Upper  
105 100  
120 31.1 13.0 38.9





#74

N-amvl acetate

Concen: 383.578 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampleId :

TP-18-S2RE

Tot Ion: 43 Resp: 2564

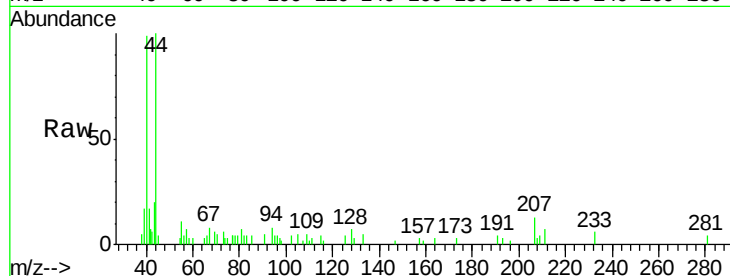
Ion Ratio Lower Upper

43 100

70 12.6 27.0 40.4#

55 8.5 15.7 23.5#

61 0.0 20.8 31.2#

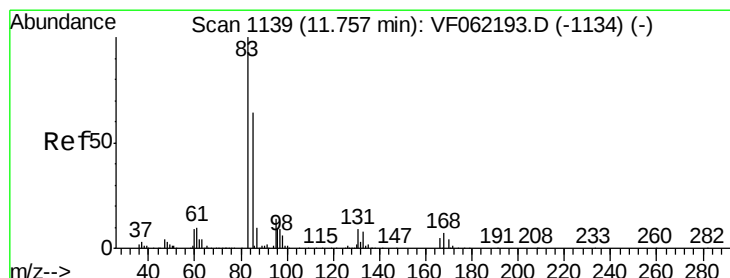
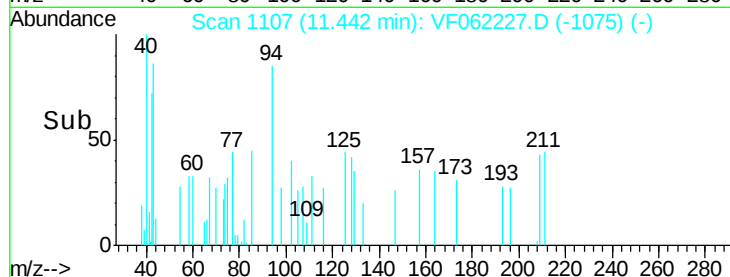
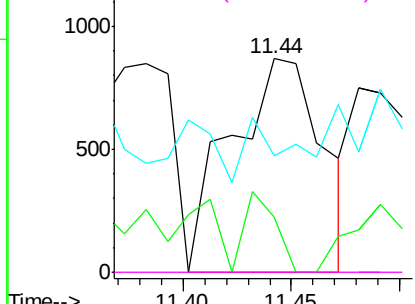


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#75

1,1,2,2-Tetrachloroethane

Concen: 45.260 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

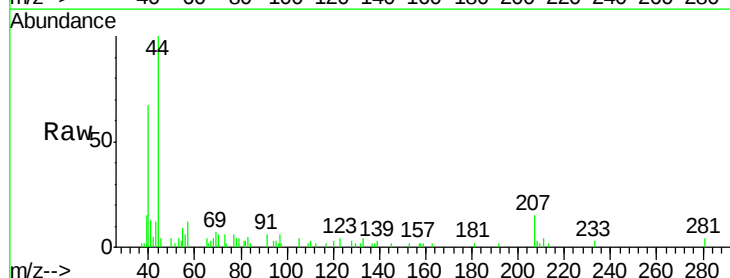
Tgt Ion: 83 Resp: 228

Ion Ratio Lower Upper

83 100

131 34.2 4.5 13.5#

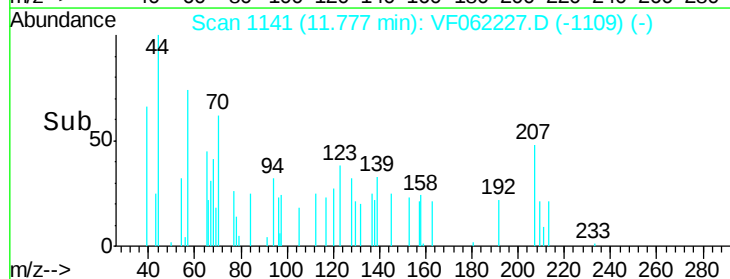
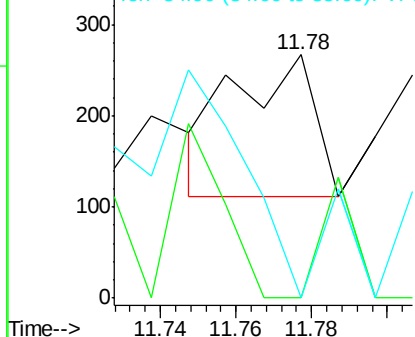
85 61.8 34.7 104.1

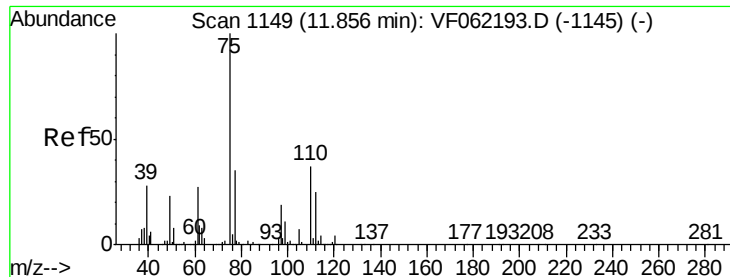


Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0





#76

1,2,3-Trichloropropane

Concen: 46.453 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.04 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampled :

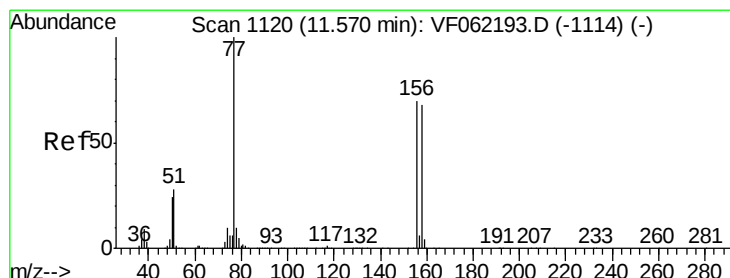
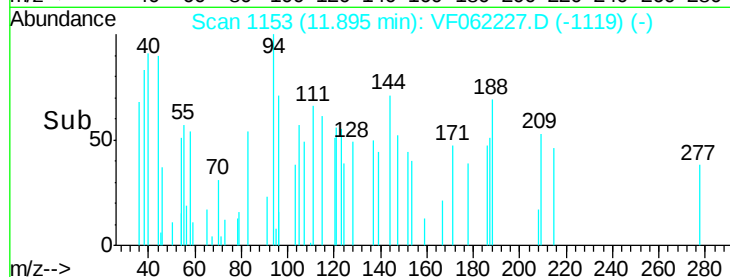
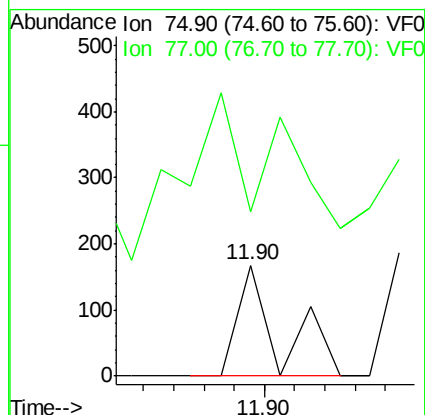
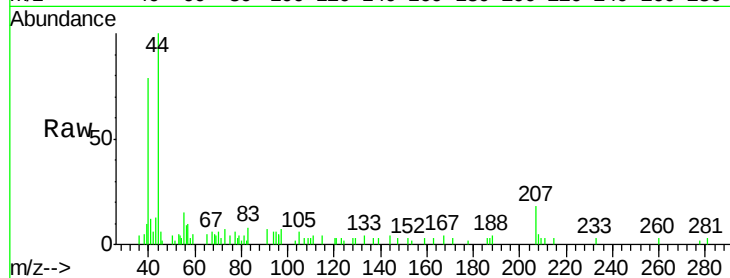
TP-18-S2RE

Tot Ion: 75 Resp: 161

Ion Ratio Lower Upper

75 100

77 352.8 7.4 22.2#



#77

Bromobenzene

Concen: 12.590 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.08 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

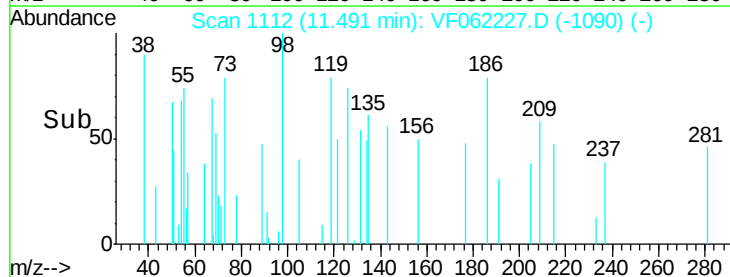
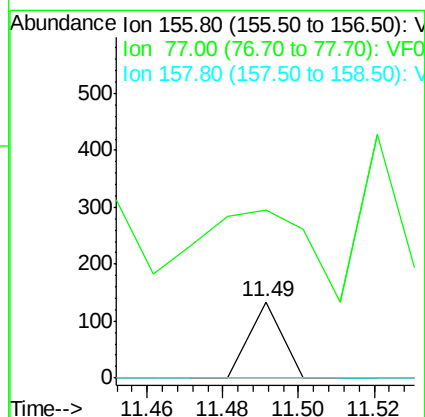
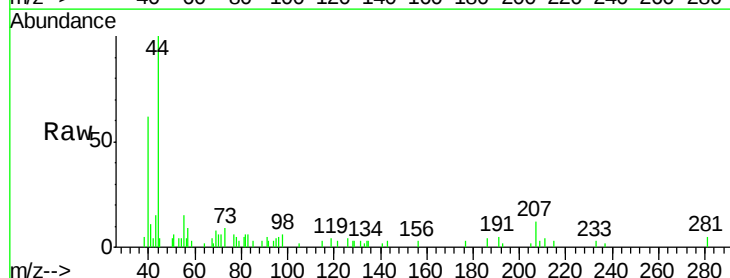
Tgt Ion: 156 Resp: 79

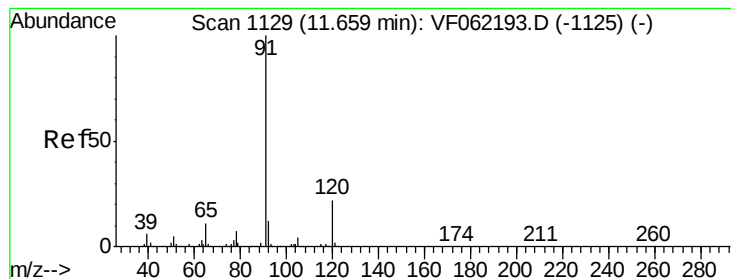
Ion Ratio Lower Upper

156 100

77 403.8 80.9 242.7#

158 0.0 49.8 149.4#





#78

n-propylbenzene

Concen: 7.734 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.03 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampleId :

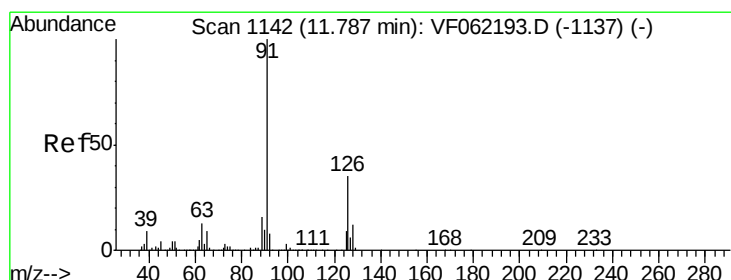
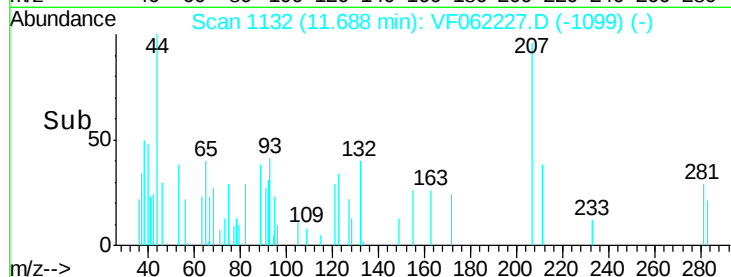
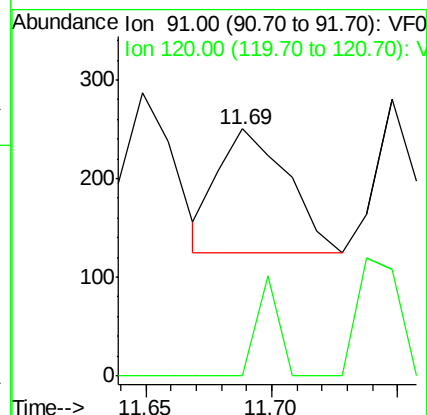
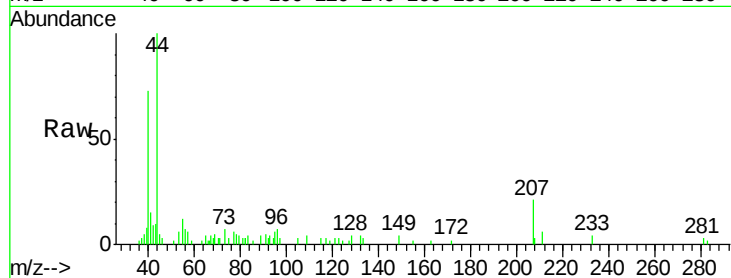
TP-18-S2RE

Tot Ion: 91 Resp: 239

Ion Ratio Lower Upper

91 100

120 25.1 11.2 33.6



#79

2-Chlorotoluene

Concen: 20.486 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF062227.D

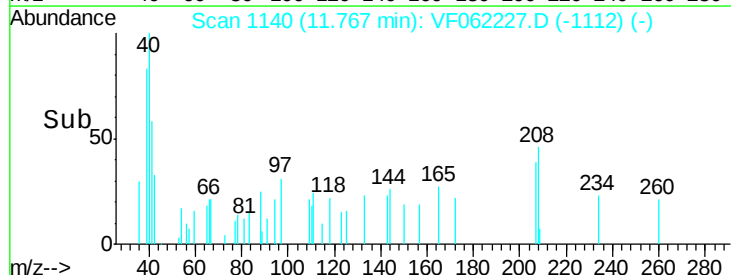
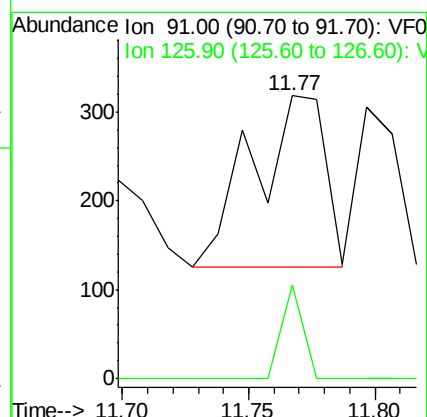
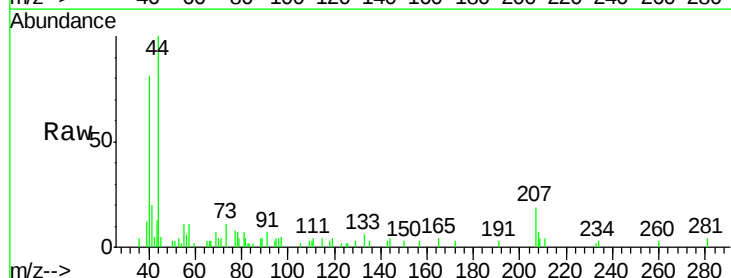
Acq: 19 Apr 2019 16:16

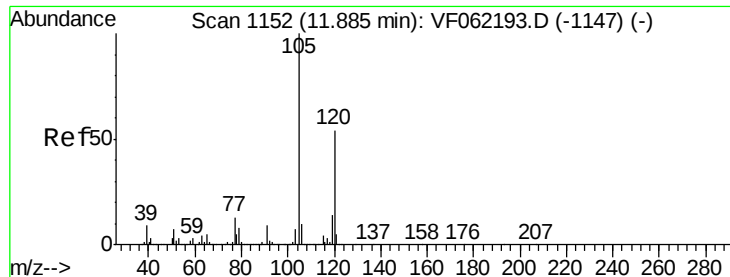
Tgt Ion: 91 Resp: 384

Ion Ratio Lower Upper

91 100

126 16.1 16.9 50.6#





#80

1,3,5-Trimethylbenzene

Concen: 33.529 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampled :

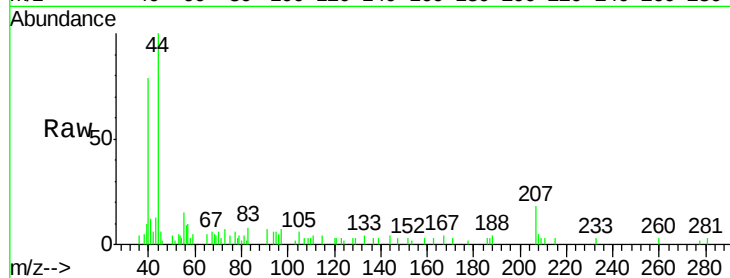
TP-18-S2RE

Tot Ion:105 Resp: 818

Ion Ratio Lower Upper

105 100

120 38.9 26.2 78.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.90

250

200

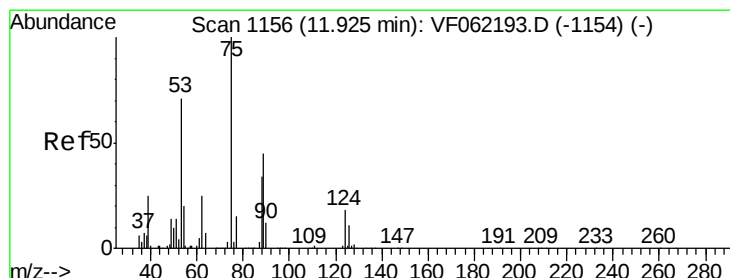
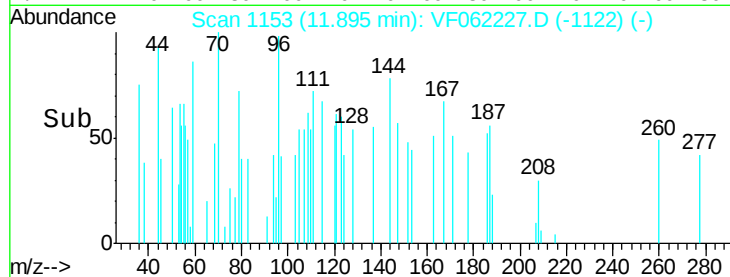
150

100

50

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 101.834 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. 0.02 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

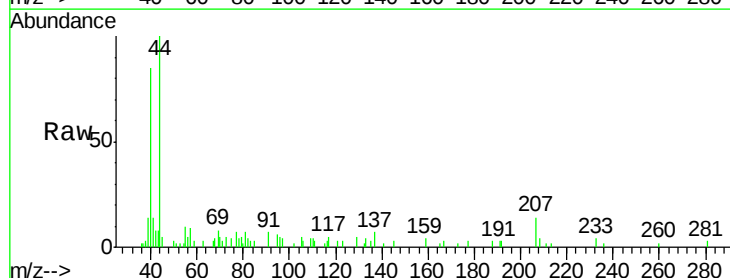
Tgt Ion: 75 Resp: 180

Ion Ratio Lower Upper

75 100

53 0.0 50.2 75.4#

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0

11.94

200

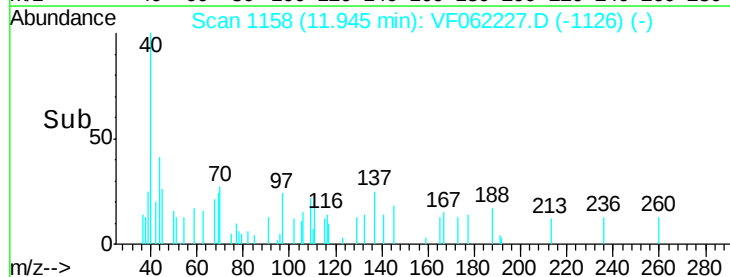
150

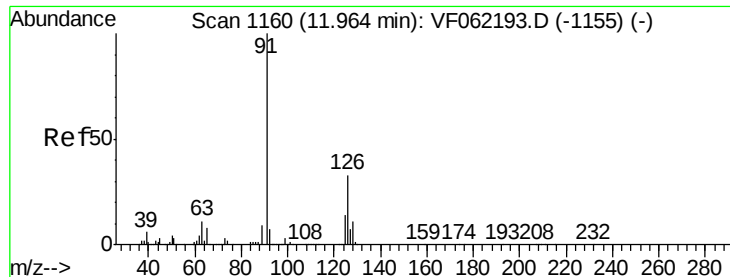
100

50

0

Time-->





#82

4-Chlorotoluene

Concen: 32.239 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampled :

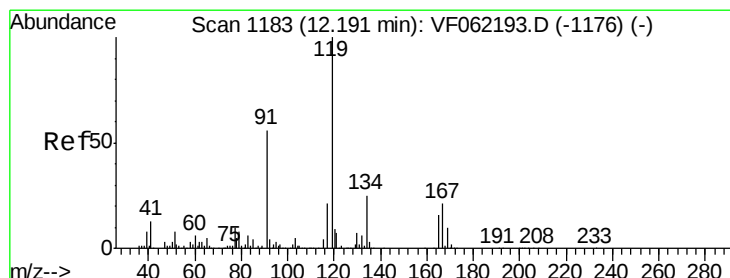
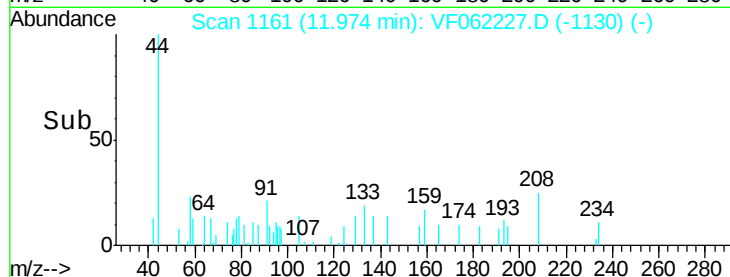
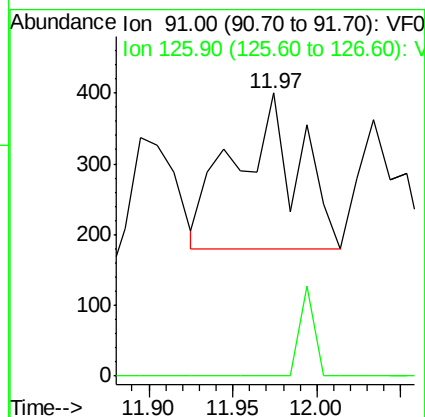
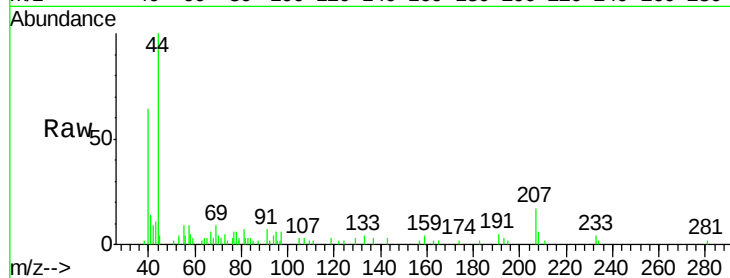
TP-18-S2RE

Tot Ion: 91 Resp: 584

Ion Ratio Lower Upper

91 100

126 12.8 16.9 50.6#



#83

tert-Butylbenzene

Concen: 15.894 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.19 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

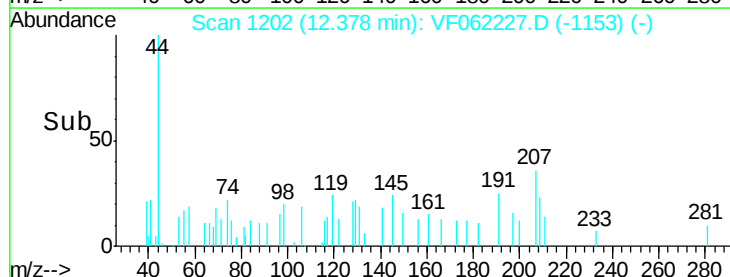
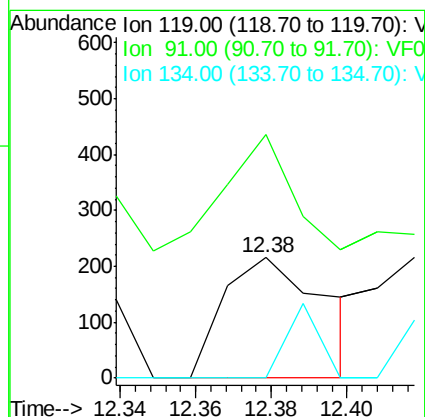
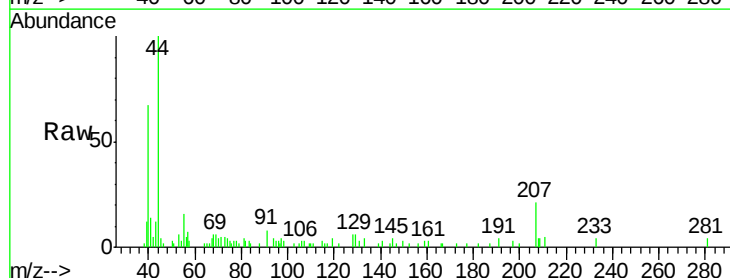
Tgt Ion: 119 Resp: 401

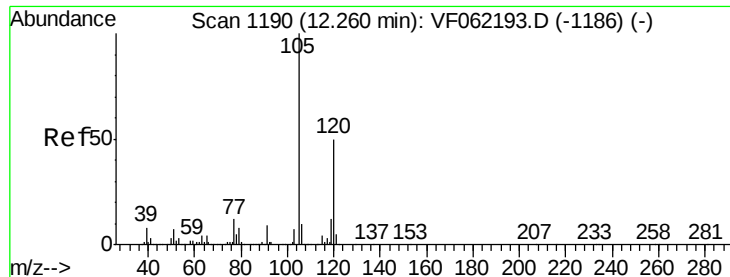
Ion Ratio Lower Upper

119 100

91 63.8 29.4 88.2

134 19.7 11.8 35.3

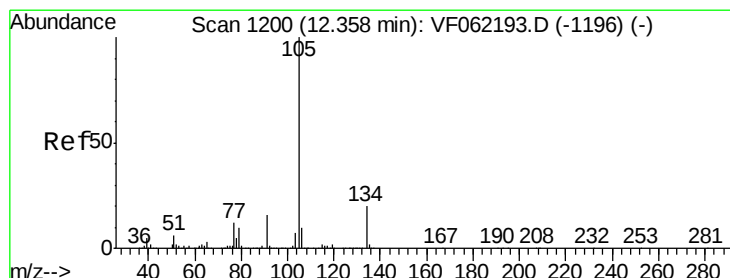
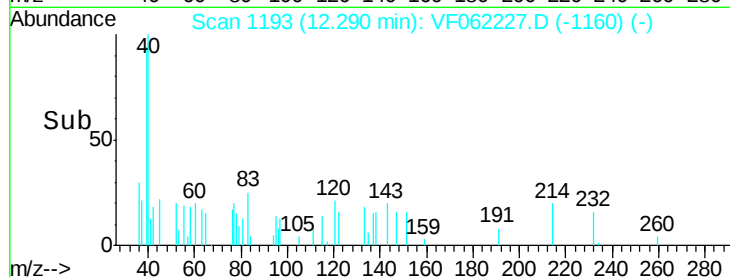
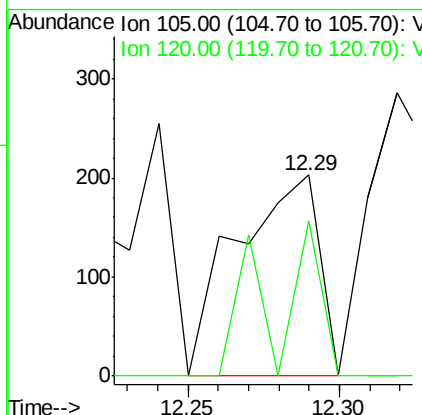
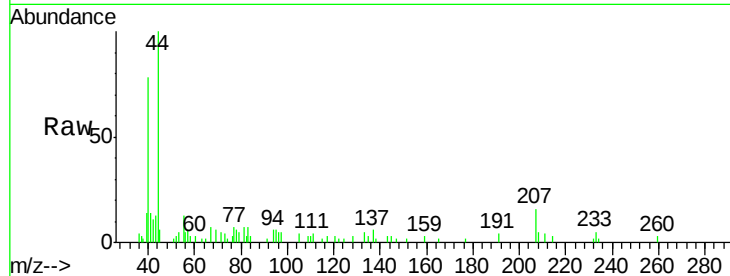




#84  
 1,2,4-Trimethylbenzene  
 Concen: 16.350 ug/l  
 RT: 12.29 min Scan# 1193  
 Delta R.T. 0.03 min  
 Lab File: VF062227.D  
 Acq: 19 Apr 2019 16:16

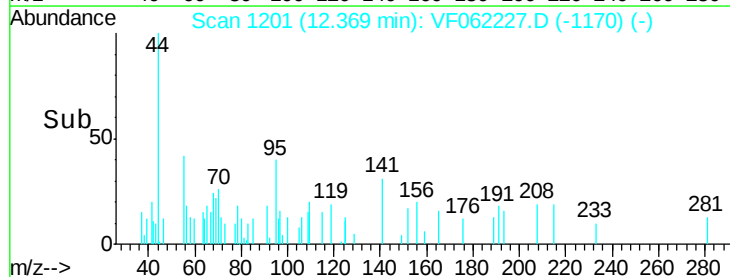
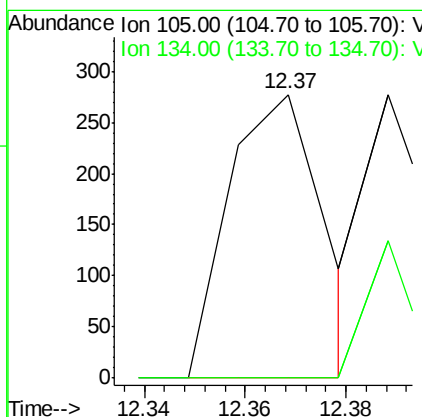
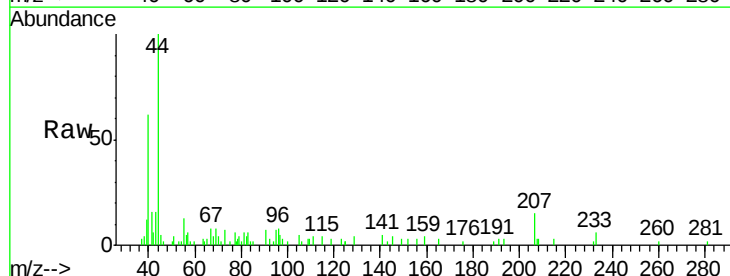
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 TP-18-S2RE

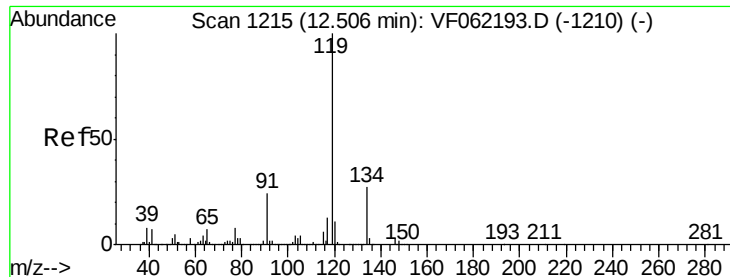
Tot Ion:105 Resp: 386  
 Ion Ratio Lower Upper  
 105 100  
 120 45.9 24.0 72.0



#85  
 sec-Butylbenzene  
 Concen: 11.052 ug/l  
 RT: 12.37 min Scan# 1201  
 Delta R.T. 0.01 min  
 Lab File: VF062227.D  
 Acq: 19 Apr 2019 16:16

Tgt Ion:105 Resp: 362  
 Ion Ratio Lower Upper  
 105 100  
 134 21.8 9.7 29.1

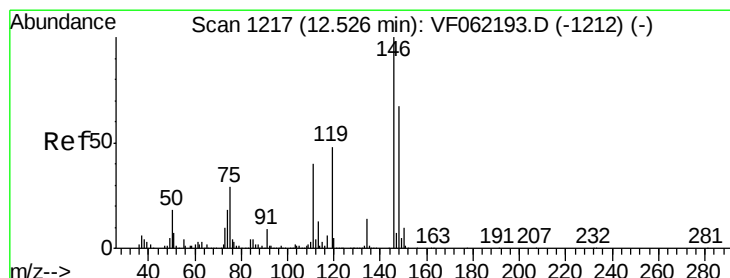
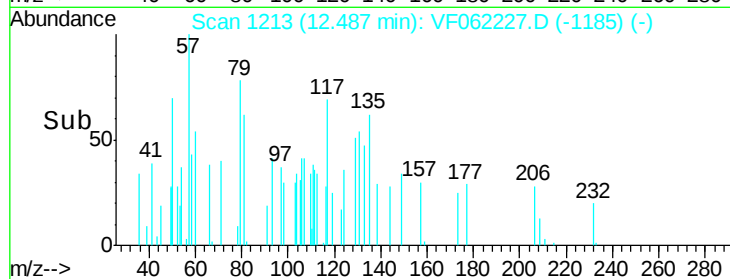
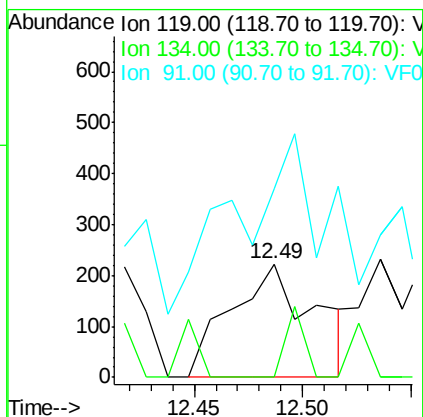
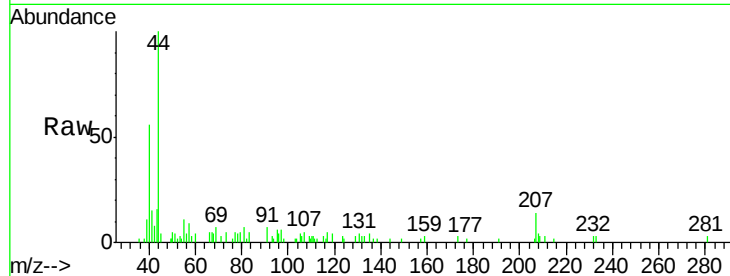




#86  
p-Isopropyltoluene  
Concen: 21.631 ug/l  
RT: 12.49 min Scan# 1213  
Delta R.T. -0.02 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

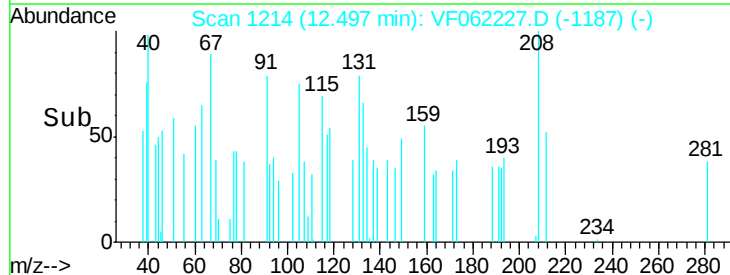
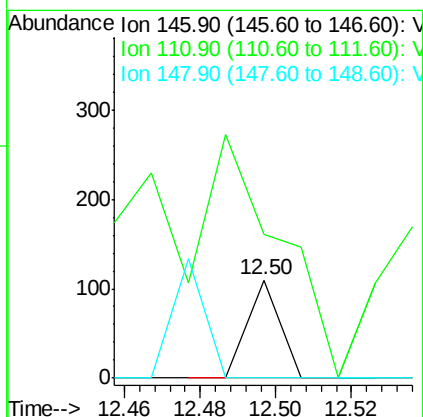
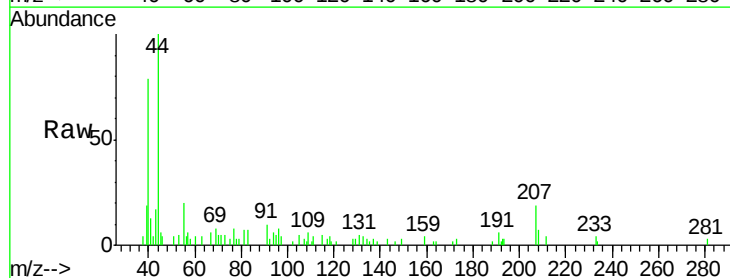
Instrument :  
MSVOA\_F  
ClientSampled :  
TP-18-S2RE

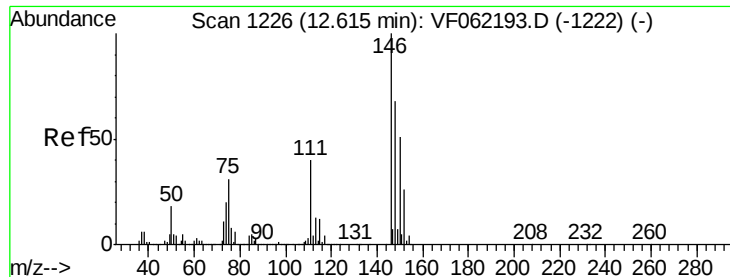
Tot Ion:119 Resp: 601  
Ion Ratio Lower Upper  
119 100  
134 13.8 13.2 39.5  
91 164.9 11.7 35.1#



#87  
1,3-Dichlorobenzene  
Concen: 5.582 ug/l  
RT: 12.50 min Scan# 1214  
Delta R.T. -0.03 min  
Lab File: VF062227.D  
Acq: 19 Apr 2019 16:16

Tgt Ion:146 Resp: 65  
Ion Ratio Lower Upper  
146 100  
111 0.0 19.7 59.0#  
148 121.5 32.9 98.6#

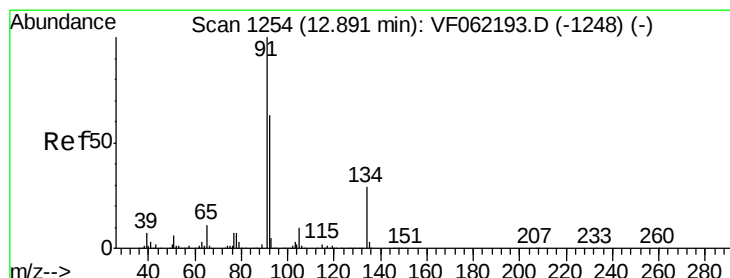
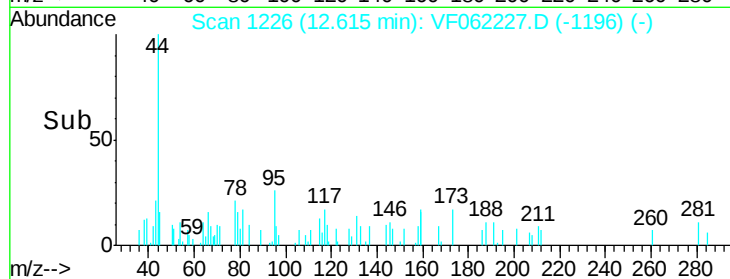
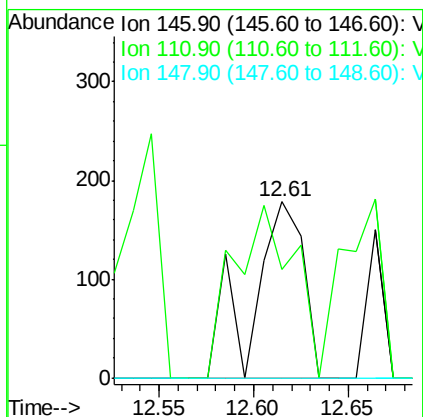
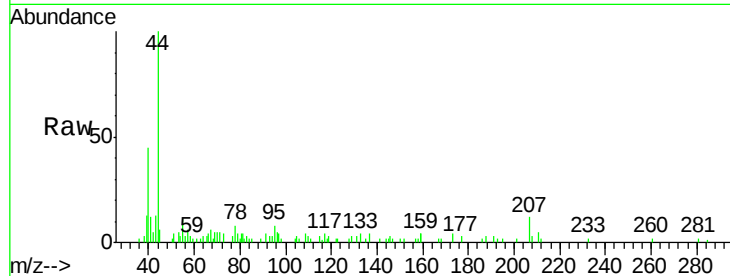




#88  
 1,4-Dichlorobenzene  
 Concen: 29.737 ug/l  
 RT: 12.61 min Scan# 1226  
 Delta R.T. 0.00 min  
 Lab File: VF062227.D  
 Acq: 19 Apr 2019 16:16

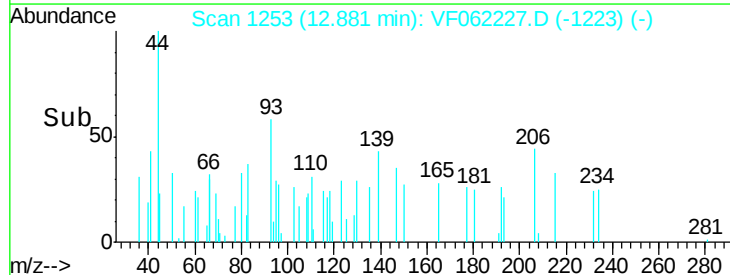
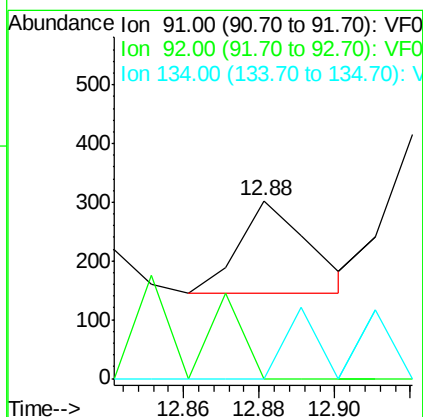
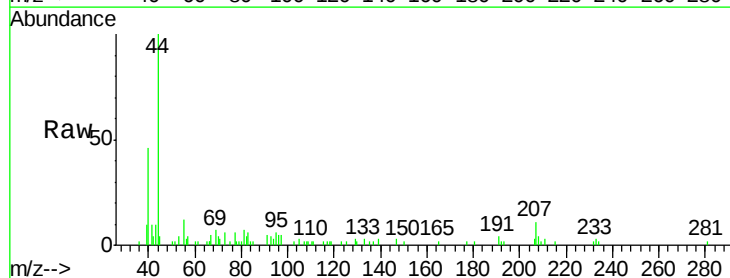
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 TP-18-S2RE

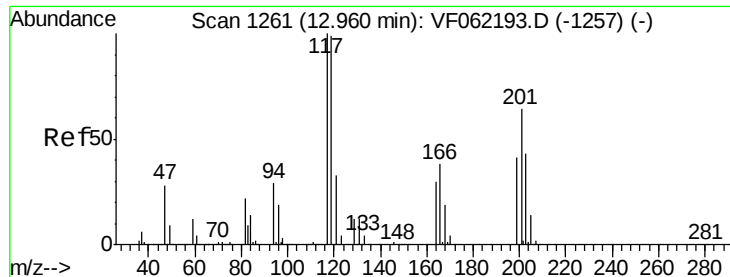
Tot Ion:146 Resp: 334  
 Ion Ratio Lower Upper  
 146 100  
 111 115.9 20.0 60.0#  
 148 0.0 33.6 100.8#



#89  
 n-Butylbenzene  
 Concen: 3.926 ug/l  
 RT: 12.88 min Scan# 1253  
 Delta R.T. -0.01 min  
 Lab File: VF062227.D  
 Acq: 19 Apr 2019 16:16

Tgt Ion: 91 Resp: 199  
 Ion Ratio Lower Upper  
 91 100  
 92 0.0 31.2 93.6#  
 134 70.4 13.1 39.1#





#90

Hexachloroethane

Concen: 11.633 ug/l

RT: 12.94 min Scan# 1259

Delta R.T. -0.02 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

Instrument :

MSVOA\_F

ClientSampleId :

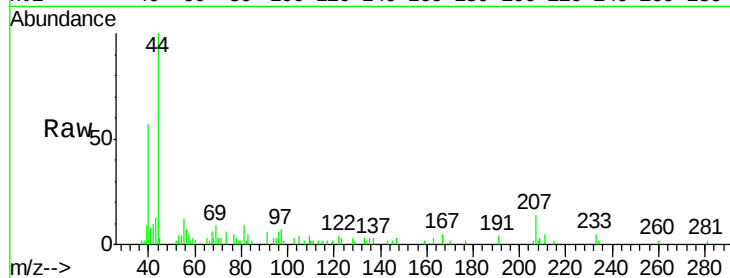
TP-18-S2RE

Tot Ion:117 Resp: 83

Ion Ratio Lower Upper

117 100

201 0.0 37.7 113.1#



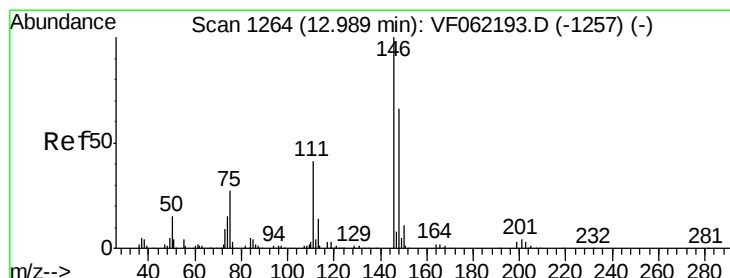
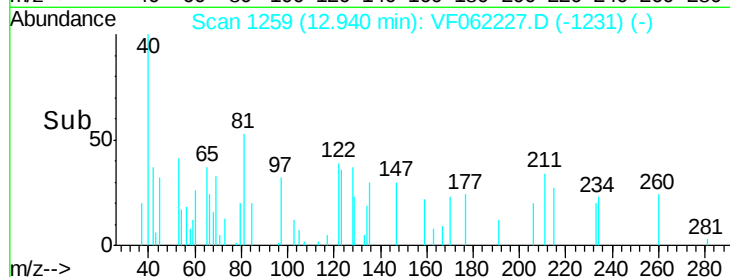
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.94

12.93 12.94 12.95

Time-->



#91

1,2-Dichlorobenzene

Concen: 5.959 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. -0.03 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

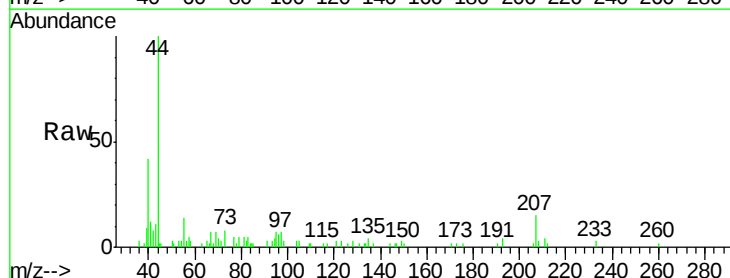
Tgt Ion:146 Resp: 67

Ion Ratio Lower Upper

146 100

111 0.0 20.8 62.5#

148 0.0 33.0 99.0#



Abundance Ion 145.90 (145.60 to 146.60): V

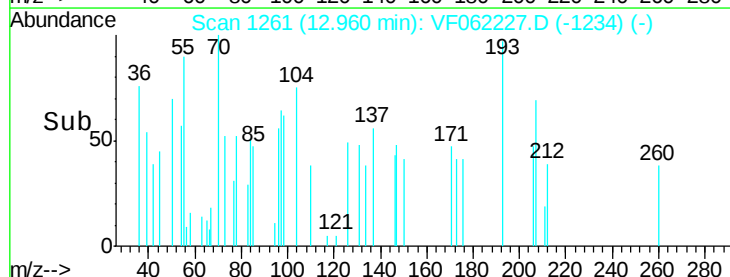
Ion 110.90 (110.60 to 111.60): V

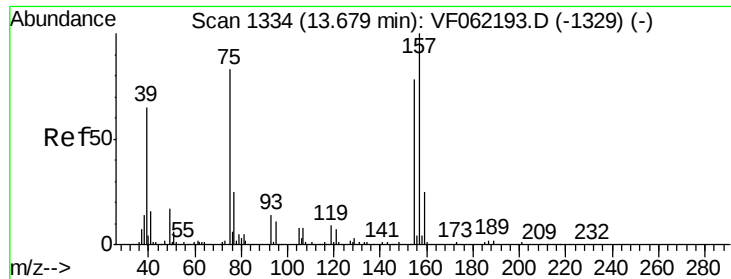
Ion 147.90 (147.60 to 148.60): V

12.96

12.94 12.96 12.98

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 133.368 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. 0.02 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

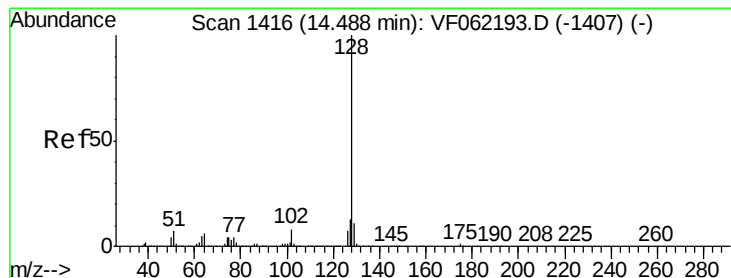
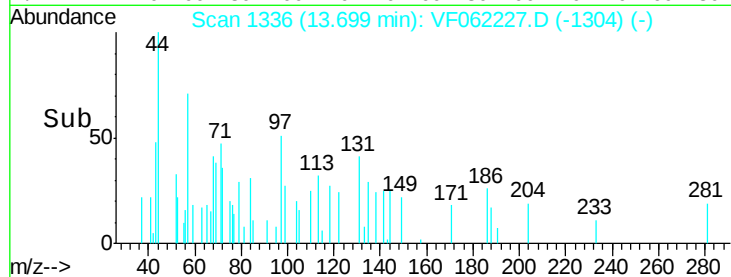
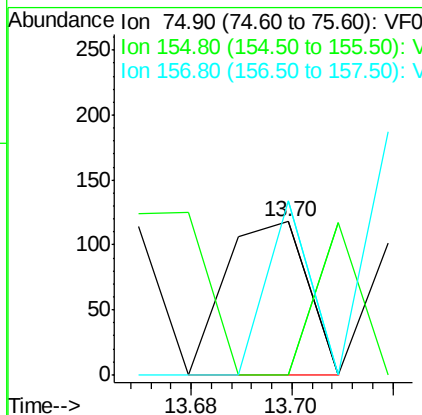
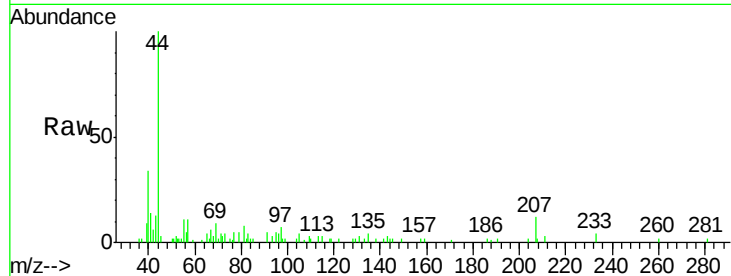
Instrument :

MSVOA\_F

ClientSampled :

TP-18-S2RE

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 75    | Resp: | 132    |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 155      | 52.3  | 47.6  | 142.8  |
| 157      | 59.8  | 61.3  | 183.9# |



#95

Naphthalene

Concen: 7.417 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VF062227.D

Acq: 19 Apr 2019 16:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 122   |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 0.0   | 10.4  | 15.6# |
| 129      | 73.0  | 9.2   | 13.8# |

