

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\  
 Data File : VF062203.D  
 Acq On : 18 Apr 2019 14:18  
 Operator : FY/SY  
 Sample : VF0418SBS01  
 Misc : 5.00g/5mL/MSVOA F/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0418SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 4/19/2019 10:52:13 AM

Quant Time: Apr 19 02:14:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82F041719S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 18 07:43:02 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.05  | 168  | 397865   | 50.00 | ug/l  | 0.02     |
| 34) 1,4-Difluorobenzene    | 5.77  | 114  | 619176   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.90  | 117  | 468772   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.61 | 152  | 266805   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 5.02   | 65  | 209307   | 57.37 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 114.74% |      |
| 35) Dibromofluoromethane    | 4.30   | 113 | 277965   | 51.32 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.64% |      |
| 50) Toluene-d8              | 7.70   | 98  | 772389   | 56.34 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 112.68% |      |
| 62) 4-Bromofluorobenzene    | 11.49  | 95  | 293141   | 55.58 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 111.16% |      |

| Target Compounds              |      |     |         |                | Qvalue |
|-------------------------------|------|-----|---------|----------------|--------|
| 2) Dichlorodifluoromethane    | 1.00 | 85  | 135533  | 22.416 ug/l    | 95     |
| 3) Chloromethane              | 1.15 | 50  | 136353  | 21.818 ug/l    | 98     |
| 4) Vinyl Chloride             | 1.19 | 62  | 120567  | 22.455 ug/l    | 100    |
| 5) Bromomethane               | 1.40 | 94  | 64658   | 20.730 ug/l    | 99     |
| 6) Chloroethane               | 1.44 | 64  | 43143   | 19.221 ug/l #  | 87     |
| 7) Trichlorofluoromethane     | 1.55 | 101 | 146797  | 21.521 ug/l    | 95     |
| 8) Diethyl Ether              | 1.71 | 74  | 29913   | 21.071 ug/l    | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.90 | 101 | 101760  | 21.838 ug/l    | 96     |
| 10) Methyl Iodide             | 1.98 | 142 | 184005  | 22.228 ug/l    | 90     |
| 11) Tert butyl alcohol        | 2.70 | 59  | 30007   | 118.328 ug/l # | 90     |
| 12) 1,1-Dichloroethene        | 1.86 | 96  | 96703   | 21.819 ug/l    | 99     |
| 13) Acrolein                  | 2.11 | 56  | 18762   | 160.224 ug/l # | 81     |
| 14) Allyl chloride            | 2.19 | 41  | 112370  | 22.092 ug/l #  | 89     |
| 15) Acrylonitrile             | 3.09 | 53  | 78697   | 101.889 ug/l   | 97     |
| 16) Acetone                   | 2.35 | 43  | 94550   | 108.427 ug/l   | 99     |
| 17) Carbon Disulfide          | 1.92 | 76  | 269904m | 21.916 ug/l    |        |
| 18) Methyl Acetate            | 2.46 | 43  | 48165   | 22.421 ug/l    | 97     |
| 19) Methyl tert-butyl Ether   | 2.55 | 73  | 178792  | 22.848 ug/l    | 100    |
| 20) Methylene Chloride        | 2.33 | 84  | 110337  | 22.293 ug/l    | 95     |
| 21) trans-1,2-Dichloroethene  | 2.42 | 96  | 93935   | 21.432 ug/l    | 96     |
| 22) Diisopropyl ether         | 2.93 | 45  | 292246  | 22.462 ug/l    | 99     |
| 23) Vinyl Acetate             | 3.34 | 43  | 731142  | 117.945 ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 3.01 | 63  | 158201  | 22.227 ug/l    | 99     |
| 25) 2-Butanone                | 4.52 | 43  | 185058  | 106.133 ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 3.77 | 77  | 78259   | 21.779 ug/l    | 97     |
| 27) cis-1,2-Dichloroethene    | 3.64 | 96  | 122063  | 21.506 ug/l    | 98     |
| 28) Bromochloromethane        | 3.90 | 49  | 71631   | 21.010 ug/l #  | 99     |
| 29) Tetrahydrofuran           | 4.26 | 42  | 83549   | 105.861 ug/l   | 95     |
| 30) Chloroform                | 4.05 | 83  | 187307  | 21.414 ug/l    | 99     |
| 31) Cyclohexane               | 3.88 | 56  | 179167  | 21.006 ug/l    | 92     |
| 32) 1,1,1-Trichloroethane     | 4.28 | 97  | 149883  | 23.409 ug/l #  | 86     |
| 36) 1,1-Dichloropropene       | 4.47 | 75  | 150159  | 20.227 ug/l    | 99     |
| 37) Ethyl Acetate             | 4.30 | 43  | 67254   | 19.199 ug/l #  | 97     |
| 38) Carbon Tetrachloride      | 4.18 | 117 | 143303m | 21.809 ug/l    |        |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\  
 Data File : VF062203.D  
 Acq On : 18 Apr 2019 14:18  
 Operator : FY/SY  
 Sample : VF0418SBS01  
 Misc : 5.00g/5mL/MSVOA F/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleID :  
 VF0418SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 4/19/2019 10:52:13 AM

Quant Time: Apr 19 02:14:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82F041719S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 18 07:43:02 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 5.63  | 83   | 189747   | 21.348  | ug/l   | 96       |
| 40) Benzene                    | 4.82  | 78   | 389806   | 20.019  | ug/l   | 98       |
| 41) Methacrylonitrile          | 4.94  | 41   | 40782    | 20.183  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 5.12  | 62   | 102503   | 19.913  | ug/l   | 96       |
| 43) Isopropyl Acetate          | 7.11  | 43   | 77403    | 21.009  | ug/l   | 100      |
| 44) Trichloroethene            | 5.67  | 130  | 117014   | 22.239  | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 6.40  | 63   | 94510    | 22.035  | ug/l   | 99       |
| 46) Dibromomethane             | 6.26  | 93   | 63160    | 22.133  | ug/l   | 96       |
| 47) Bromodichloromethane       | 6.55  | 83   | 140447   | 21.810  | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.88  | 41   | 48858    | 20.178  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 6.87  | 88   | 9913     | 356.987 | ug/l   | 87       |
| 51) 4-Methyl-2-Pentanone       | 8.39  | 43   | 300509   | 109.661 | ug/l   | 99       |
| 52) Toluene                    | 7.77  | 92   | 228560   | 22.268  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene      | 8.42  | 75   | 110535   | 22.853  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene    | 7.46  | 75   | 152063   | 23.243  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 8.63  | 97   | 67354    | 23.424  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 8.75  | 69   | 71602    | 21.902  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 8.99  | 76   | 103808   | 22.358  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 7.45  | 63   | 108060   | 113.850 | ug/l   | 98       |
| 59) 2-Hexanone                 | 9.62  | 43   | 181508   | 106.293 | ug/l   | 97       |
| 60) Dibromochloromethane       | 8.86  | 129  | 96170    | 22.489  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 9.12  | 107  | 71202    | 21.980  | ug/l   | 93       |
| 64) Tetrachloroethene          | 8.30  | 164  | 98240    | 23.215  | ug/l   | 98       |
| 65) Chlorobenzene              | 9.93  | 112  | 228612   | 22.871  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.05 | 131  | 109921   | 23.483  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.02 | 91   | 425918   | 23.433  | ug/l   | 98       |
| 68) m/p-Xylenes                | 10.26 | 106  | 308747   | 46.144  | ug/l   | 97       |
| 69) o-Xylene                   | 10.81 | 106  | 171061   | 23.027  | ug/l   | 99       |
| 70) Styrene                    | 10.89 | 104  | 250560   | 23.900  | ug/l   | 98       |
| 71) Bromoform                  | 10.88 | 173  | 58007    | 23.471  | ug/l # | 96       |
| 73) Isopropylbenzene           | 11.21 | 105  | 499287   | 21.785  | ug/l   | 99       |
| 74) N-amyl acetate             | 11.44 | 43   | 126885   | 22.108  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.77 | 83   | 84680    | 21.484  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.86 | 75   | 57172m   | 21.083  | ug/l   |          |
| 77) Bromobenzene               | 11.58 | 156  | 108255   | 22.049  | ug/l   | 97       |
| 78) n-propylbenzene            | 11.67 | 91   | 533754   | 22.077  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 11.80 | 91   | 320625   | 21.862  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.89 | 105  | 418744   | 21.937  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.93 | 75   | 28568m   | 20.657  | ug/l   |          |
| 82) 4-Chlorotoluene            | 11.97 | 91   | 314742   | 22.206  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.19 | 119  | 446796   | 22.634  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 12.27 | 105  | 406110   | 21.985  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 12.37 | 105  | 555933   | 21.693  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 12.52 | 119  | 486129   | 22.362  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 12.54 | 146  | 203601   | 22.347  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.62 | 146  | 196983   | 22.415  | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.89 | 91   | 473381   | 23.753  | ug/l   | 98       |
| 90) Hexachloroethane           | 12.97 | 117  | 121300   | 21.729  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.00 | 146  | 196174   | 22.299  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.69 | 75   | 15931    | 20.572  | ug/l   | 94       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF041819\  
Data File : VF062203.D  
Acq On : 18 Apr 2019 14:18  
Operator : FY/SY  
Sample : VF0418SBS01  
Misc : 5.00g/5mL/MSVOA F/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0418SBS01

Manual Integrations  
APPROVED

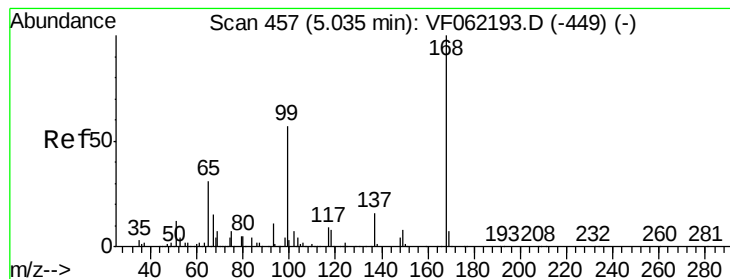
MMDadoda  
4/19/2019 10:52:13 AM

Quant Time: Apr 19 02:14:40 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82F041719S.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 18 07:43:02 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.24 | 180  | 169843   | 23.075 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 14.22 | 225  | 111503   | 22.093 | ug/l  | 99       |
| 95) Naphthalene            | 14.49 | 128  | 277851   | 21.589 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.63 | 180  | 163630   | 23.156 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

ClientSampleId :

VF0418SBS01

Tot Ion:168 Resp: 397865

Ion Ratio Lower Upper

168 100

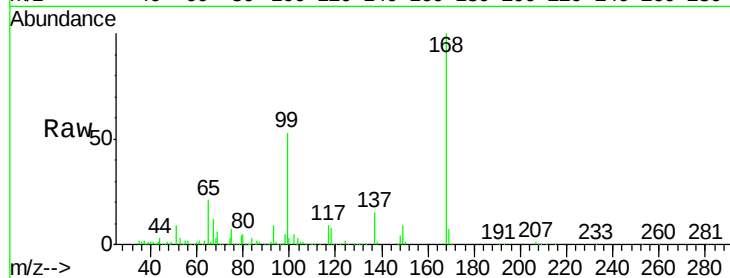
99 52.6 45.5 68.3

Manual Integrations

APPROVED

MMDadoda

4/19/2019 10:52:13 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.05

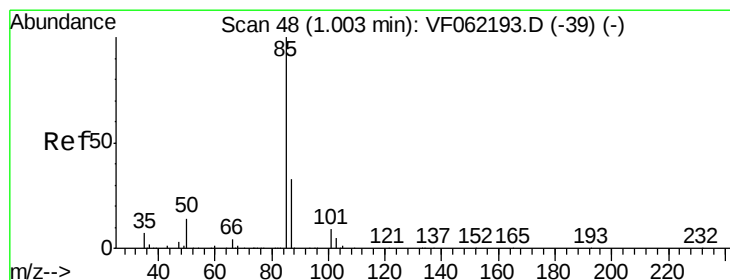
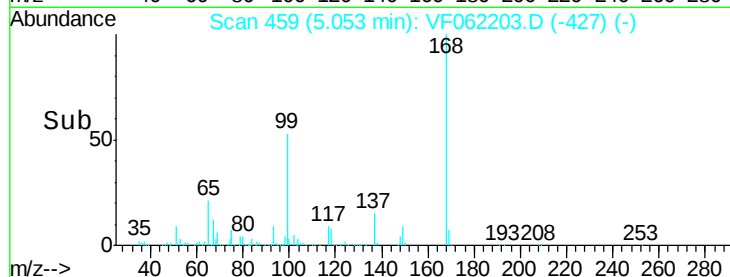
150000

100000

50000

0

Time--> 4.80 5.00 5.20



#2

Dichlorodifluoromethane

Concen: 22.416 ug/l

RT: 1.00 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062203.D

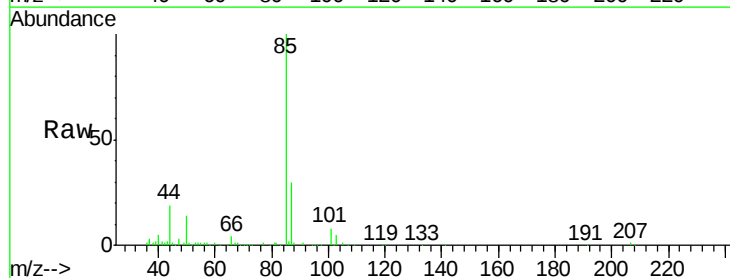
Acq: 18 Apr 2019 14:18

Tgt Ion: 85 Resp: 135533

Ion Ratio Lower Upper

85 100

87 30.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

40000

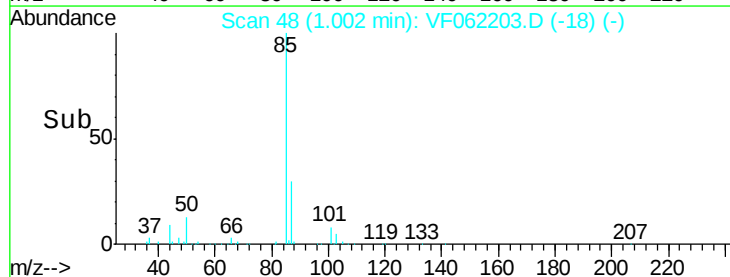
30000

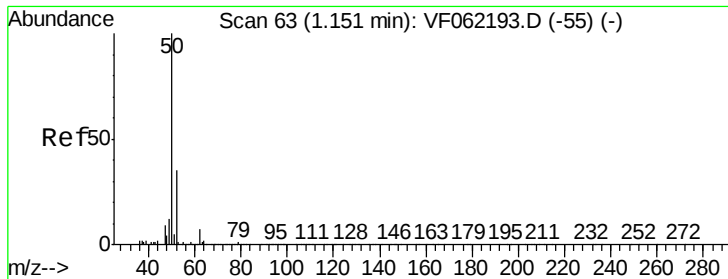
20000

10000

0

Time--> 0.80 1.00 1.20





#3

Chloromethane

Concen: 21.818 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

ClientSampleId :

VF0418SBS01

Tot Ion: 50 Resp: 136353

Ion Ratio Lower Upper

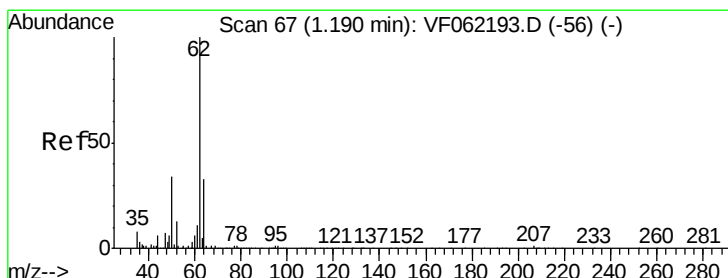
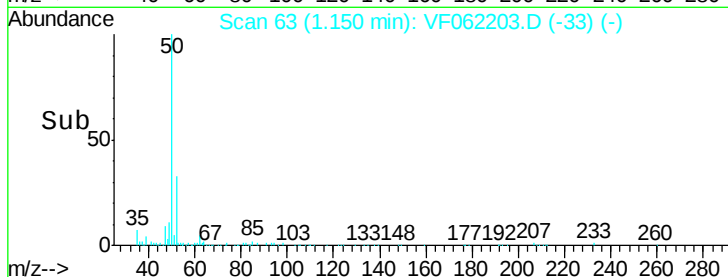
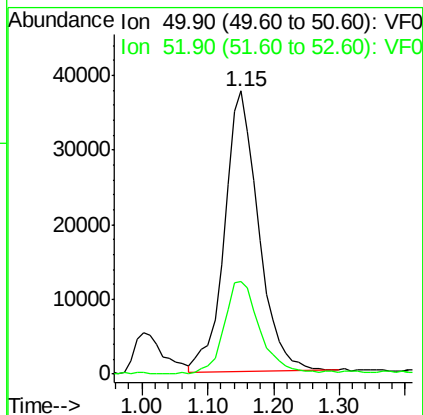
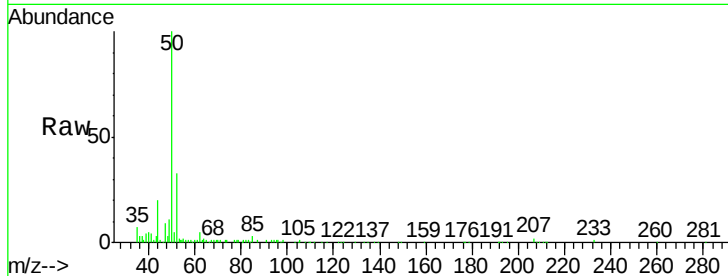
50 100

52 32.8 27.0 40.4

Manual Integrations  
APPROVED

MMDadoda

4/19/2019 10:52:13 AM



#4

Vinyl Chloride

Concen: 22.455 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062203.D

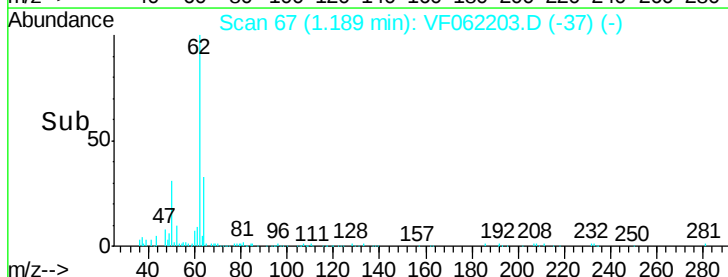
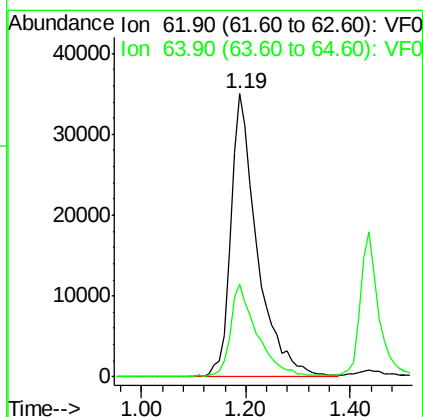
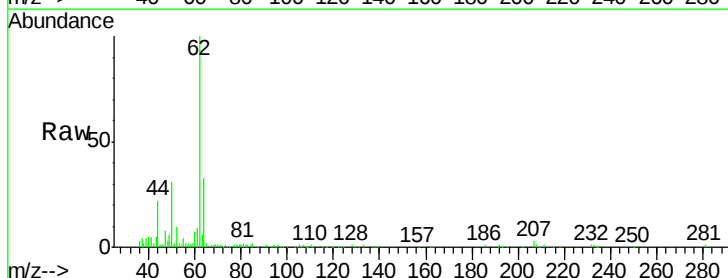
Acq: 18 Apr 2019 14:18

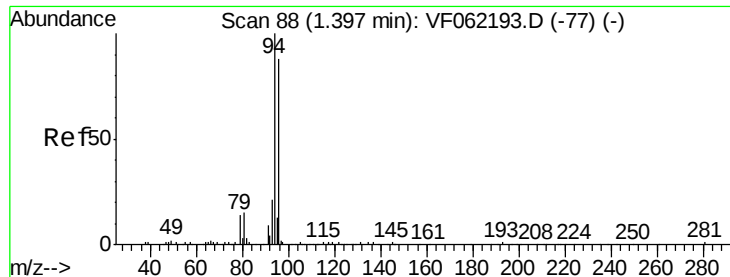
Tgt Ion: 62 Resp: 120567

Ion Ratio Lower Upper

62 100

64 32.6 26.2 39.4





#5

Bromomethane

Concen: 20.730 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

ClientSampleId :

VF0418SBS01

Tot Ion: 94 Resp: 64658

Ion Ratio Lower Upper

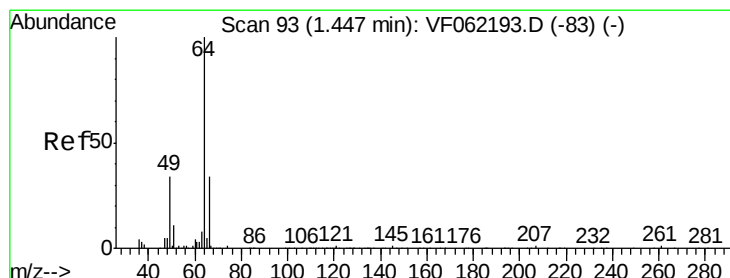
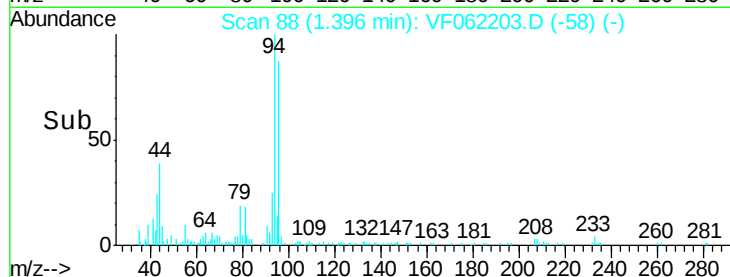
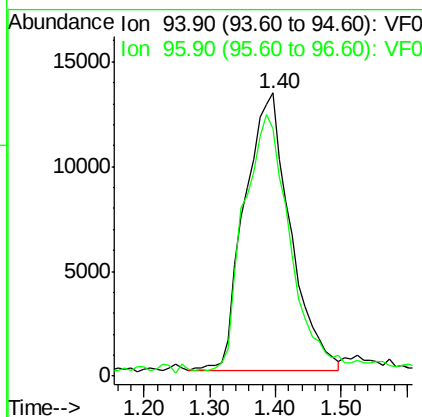
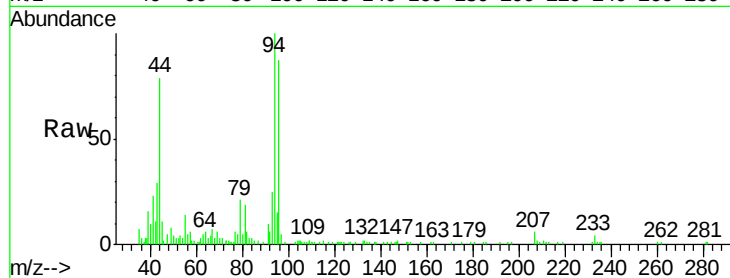
94 100

96 86.8 70.2 105.4

Manual Integrations  
APPROVED

MMDadoda

4/19/2019 10:52:13 AM



#6

Chloroethane

Concen: 19.221 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062203.D

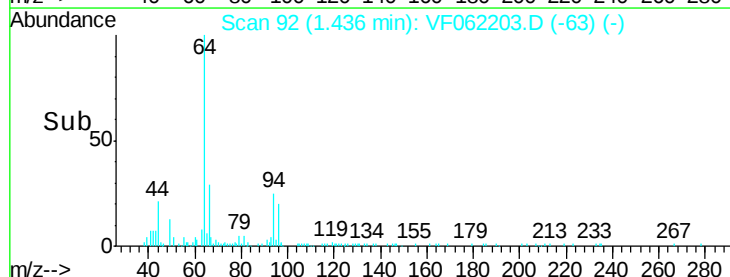
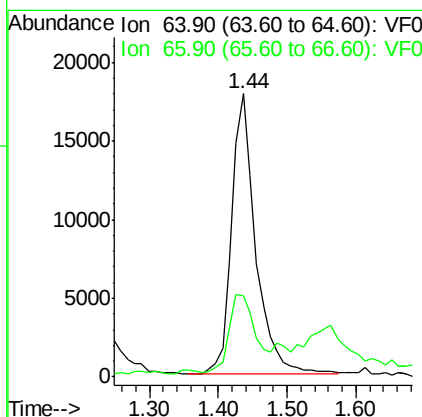
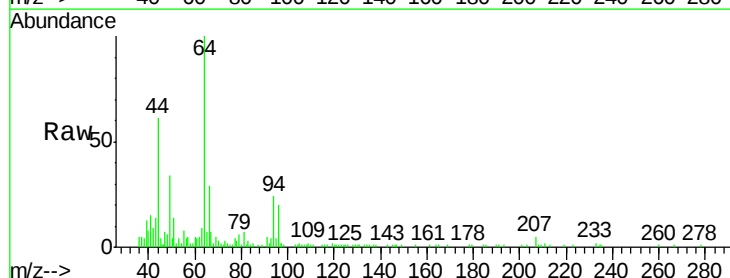
Acq: 18 Apr 2019 14:18

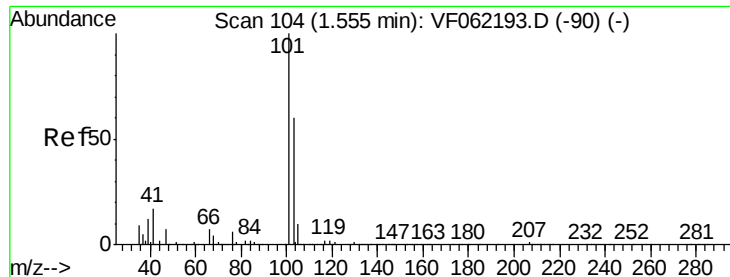
Tgt Ion: 64 Resp: 43143

Ion Ratio Lower Upper

64 100

66 26.4 27.0 40.4#





#7

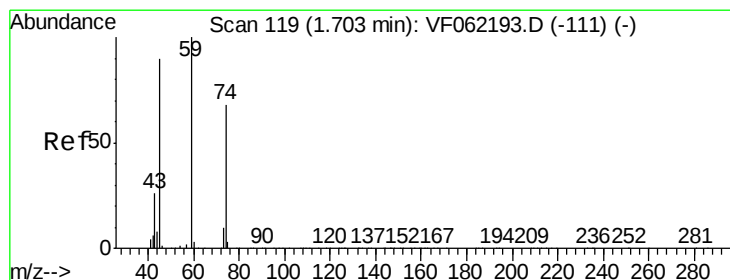
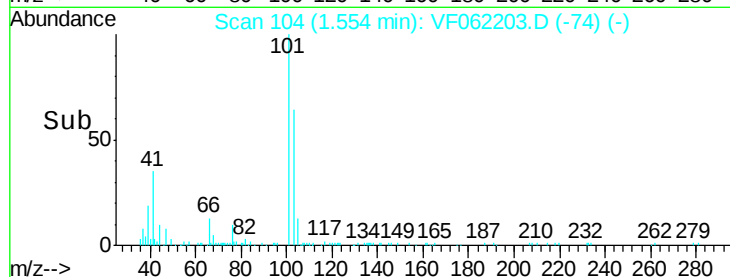
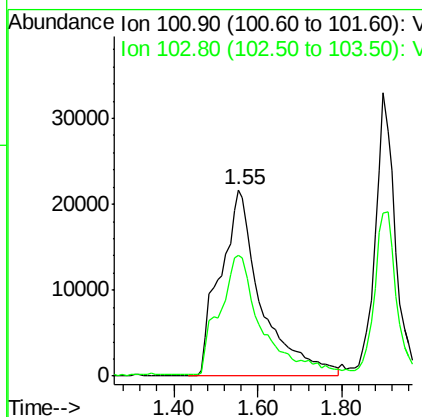
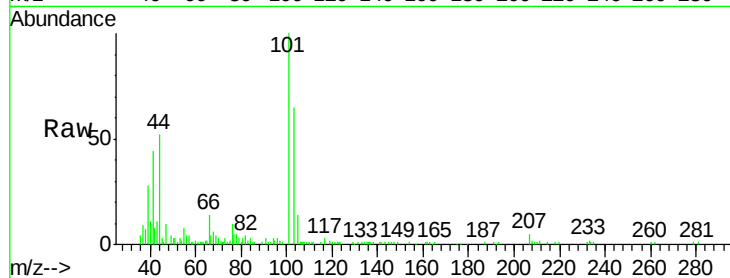
Trichlorofluoromethane  
Concen: 21.521 ug/l  
RT: 1.55 min Scan# 104  
Delta R.T. -0.00 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0418SBS01

Tot Ion:101 Resp: 146797  
Ion Ratio Lower Upper  
101 100  
103 64.4 48.2 72.4

Manual Integrations  
APPROVED

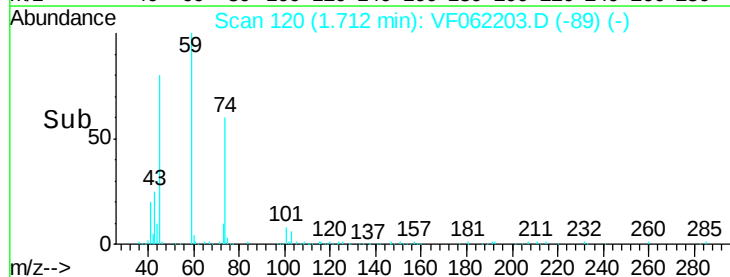
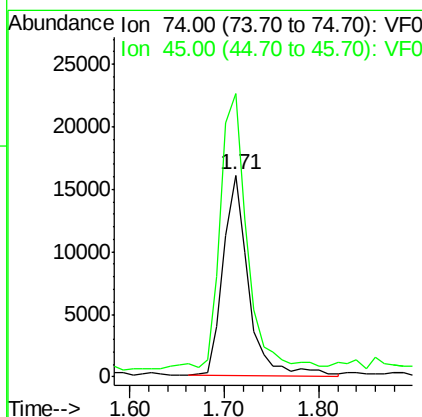
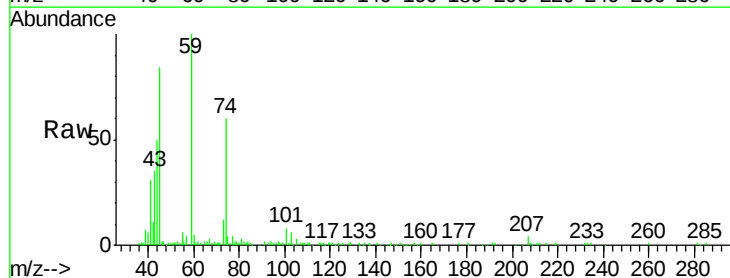
MMDadoda  
4/19/2019 10:52:13 AM

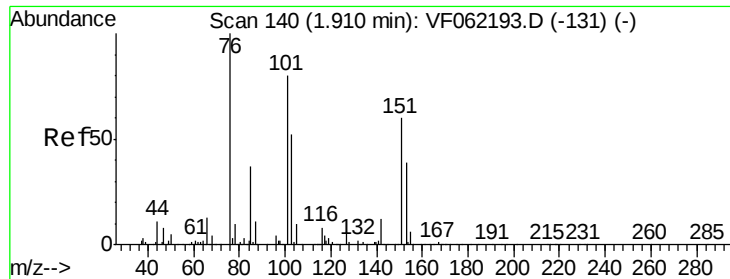


#8

Diethyl Ether  
Concen: 21.071 ug/l  
RT: 1.71 min Scan# 120  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

Tgt Ion: 74 Resp: 29913  
Ion Ratio Lower Upper  
74 100  
45 145.3 70.0 210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.838 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

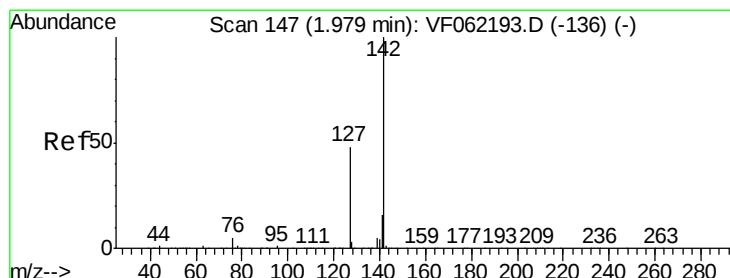
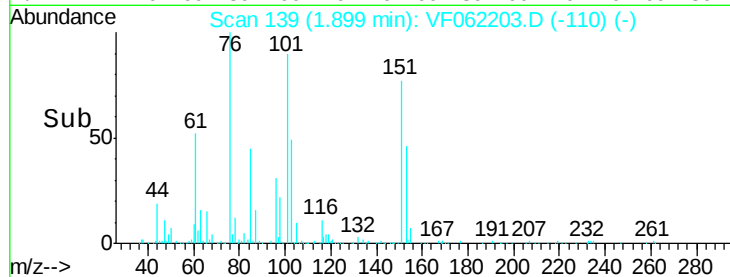
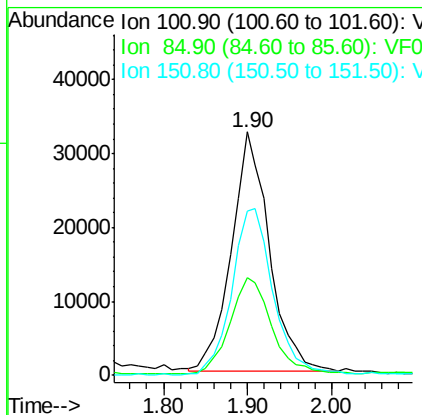
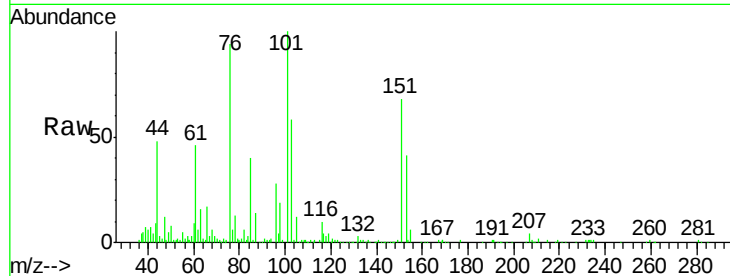
ClientSampleId :

VF0418SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 101760 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 44.4  | 35.3  | 52.9   |
| 151       | 76.7  | 57.5  | 86.3   |

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 10:52:13 AM



#10

Methyl Iodide

Concen: 22.228 ug/l

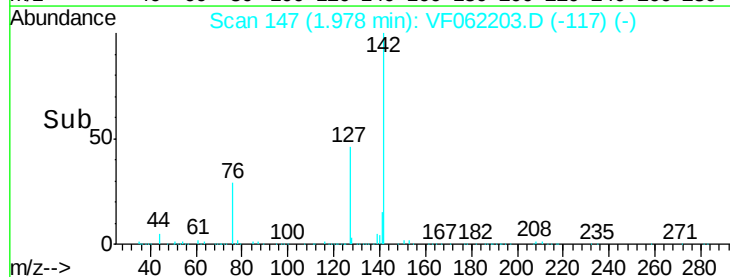
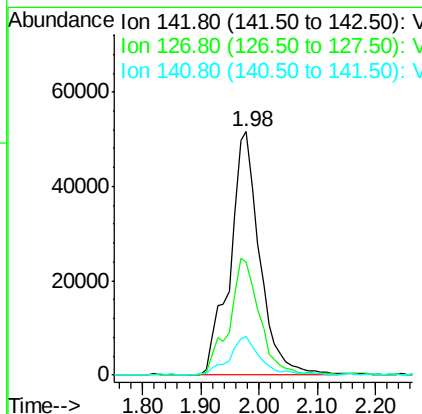
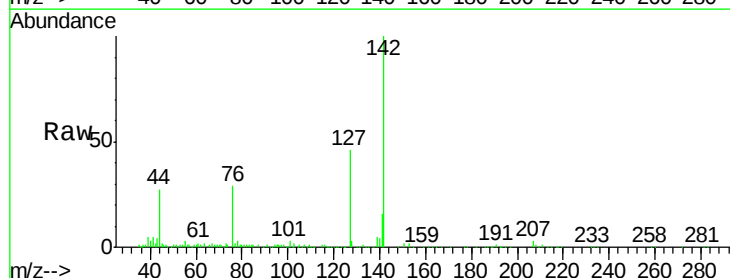
RT: 1.98 min Scan# 147

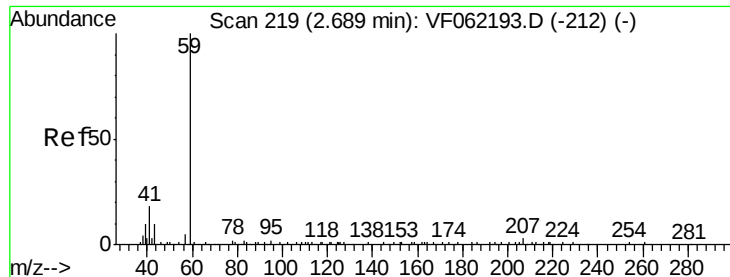
Delta R.T. -0.00 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 184005 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 49.2  | 33.0  | 49.4   |
| 141       | 16.4  | 12.7  | 19.1   |





#11

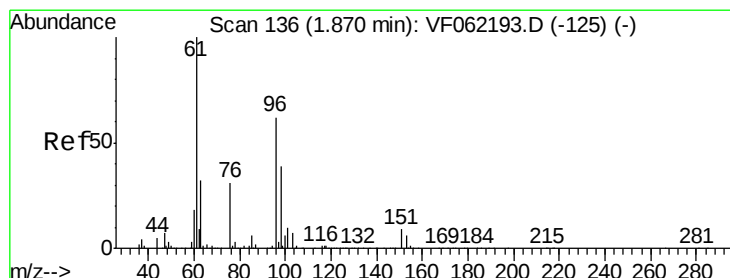
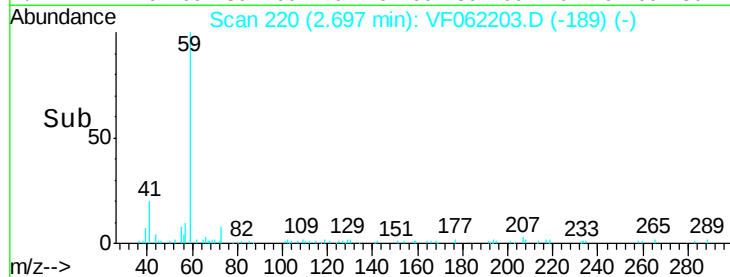
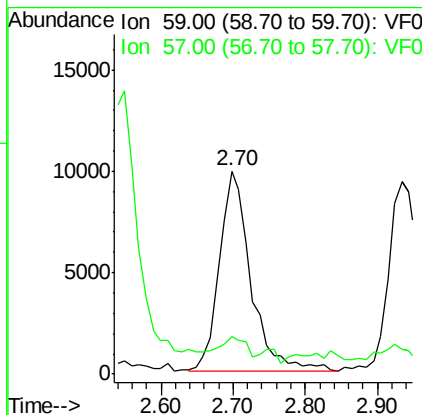
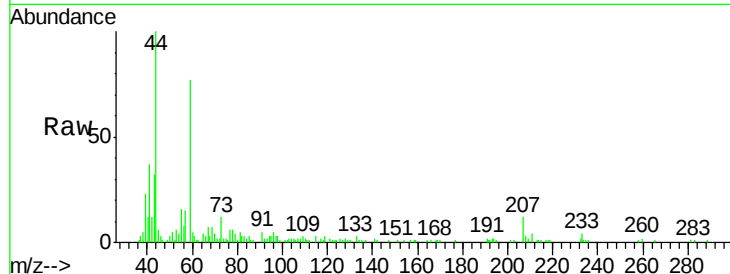
Tert butyl alcohol  
Concen: 118.328 ug/l  
RT: 2.70 min Scan# 220  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0418SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 7.8   | 9.3   | 13.9# |

Manual Integrations  
APPROVED

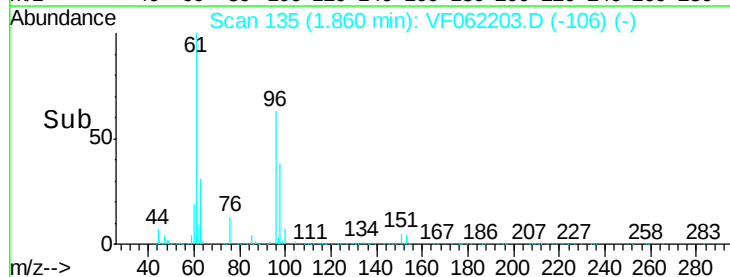
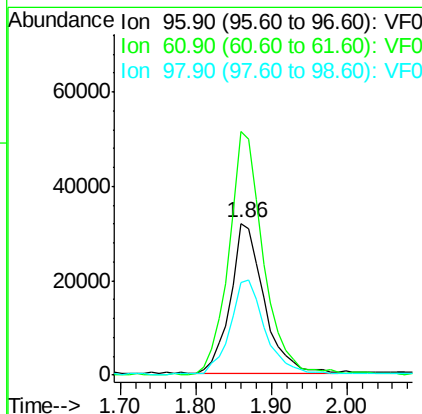
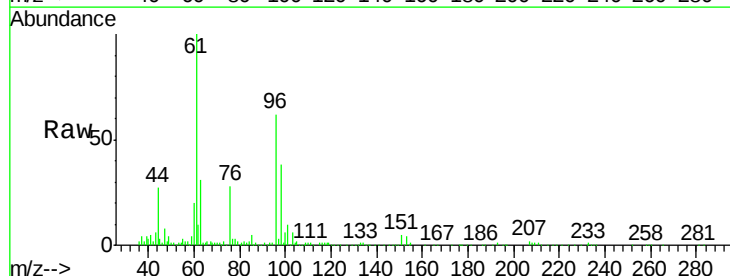
MMDadoda  
4/19/2019 10:52:13 AM

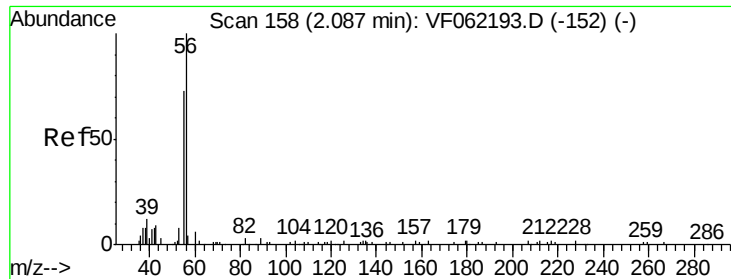


#12

1,1-Dichloroethene  
Concen: 21.819 ug/l  
RT: 1.86 min Scan# 135  
Delta R.T. -0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 162.8 | 129.1 | 193.7 |
| 98      | 60.8  | 50.0  | 75.0  |





#13

Acrolein

Concen: 160.224 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.02 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

ClientSampleId :

VF0418SBS01

Tot Ion: 56 Resp: 18762

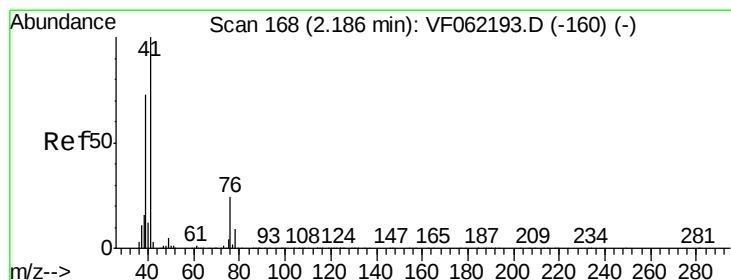
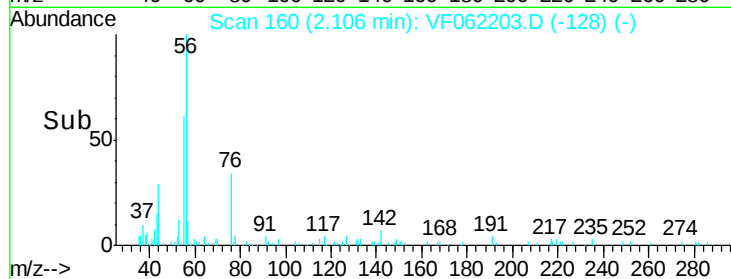
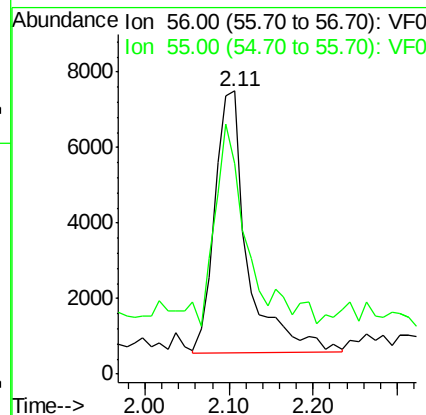
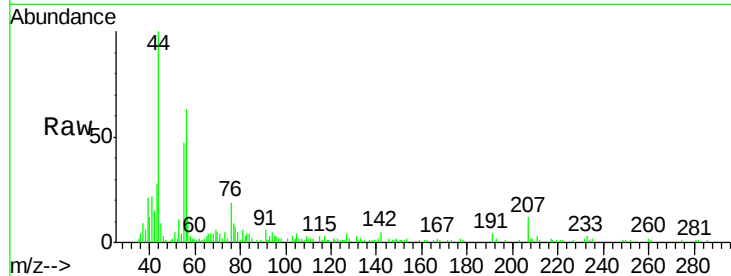
Ion Ratio Lower Upper

56 100

55 55.8 57.4 86.0#

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 10:52:13 AM



#14

Allyl chloride

Concen: 22.092 ug/l

RT: 2.19 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

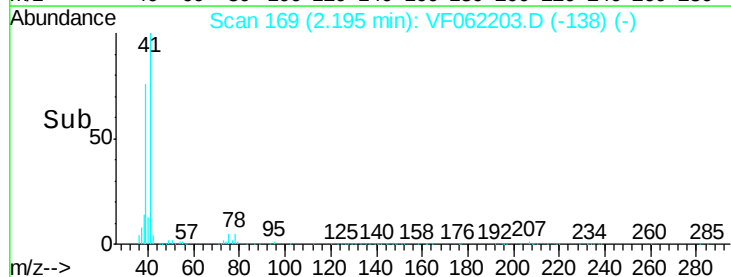
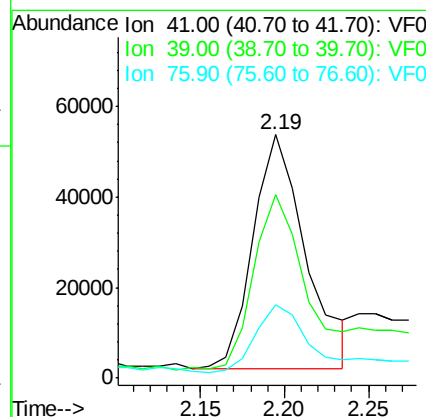
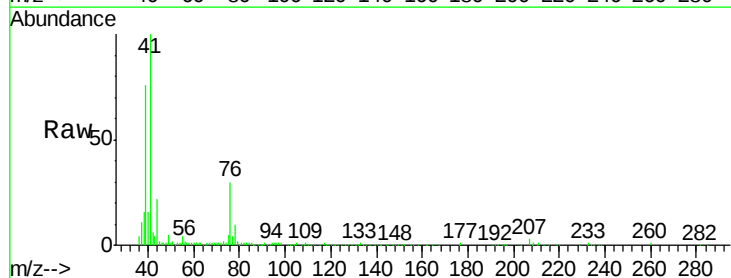
Tgt Ion: 41 Resp: 112370

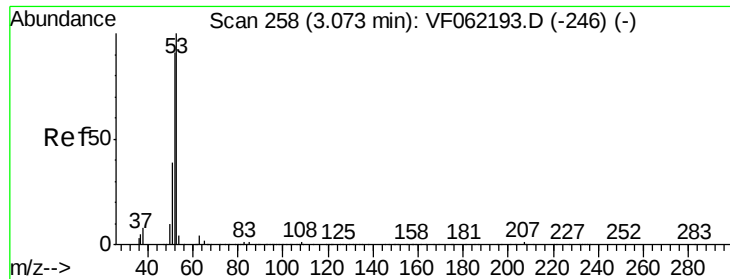
Ion Ratio Lower Upper

41 100

39 74.0 60.0 90.0

76 46.8 20.6 30.8#





#15

Acrylonitrile

Concen: 101.889 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

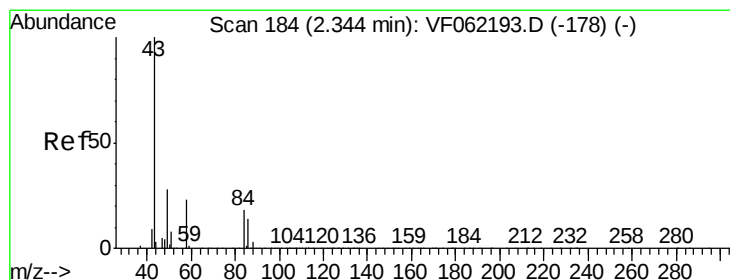
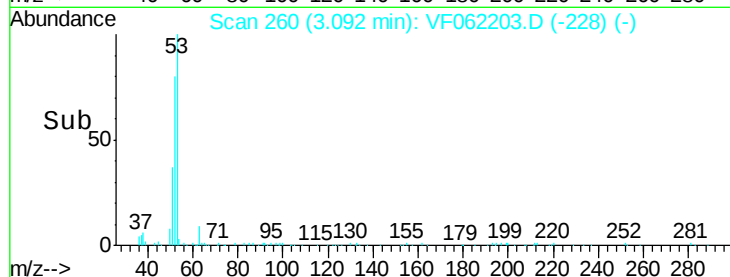
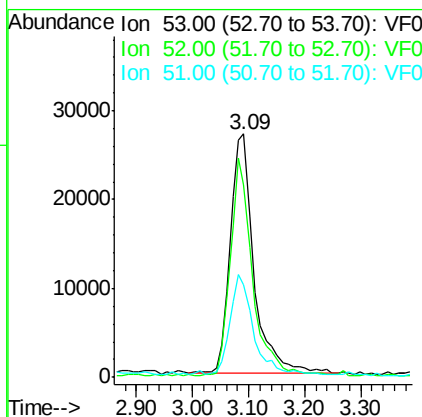
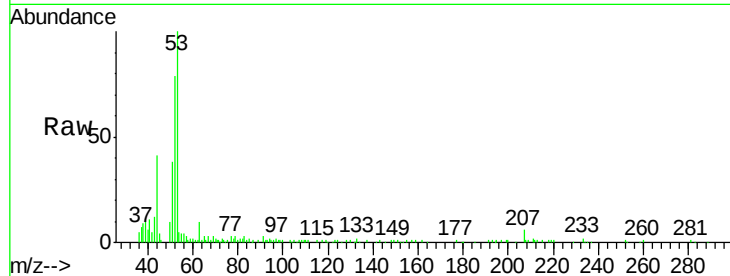
ClientSampleId :

VF0418SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 53    | Resp: | 78697 |
| Ion Ratio | Lower | Upper |       |
| 53        | 100   |       |       |
| 52        | 84.4  | 69.5  | 104.3 |
| 51        | 41.7  | 31.8  | 47.8  |

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 10:52:13 AM



#16

Acetone

Concen: 108.427 ug/l

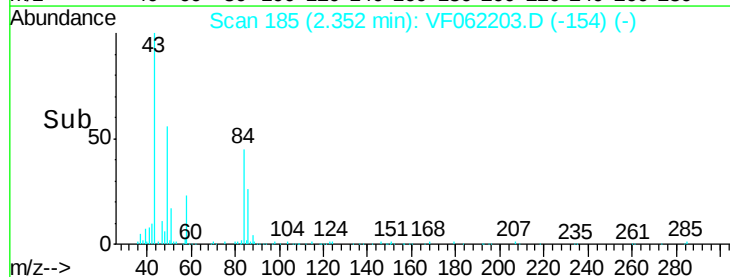
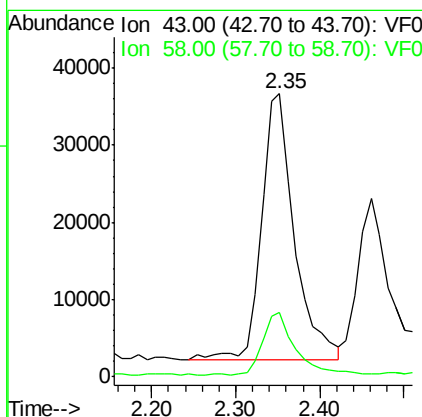
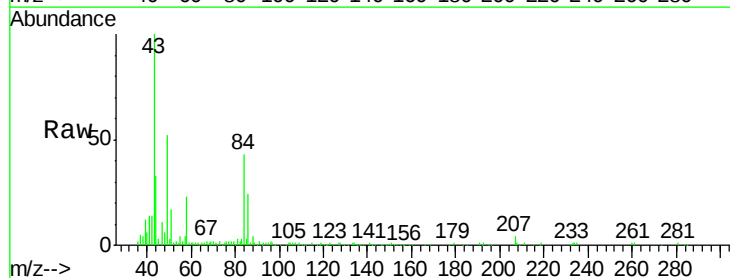
RT: 2.35 min Scan# 185

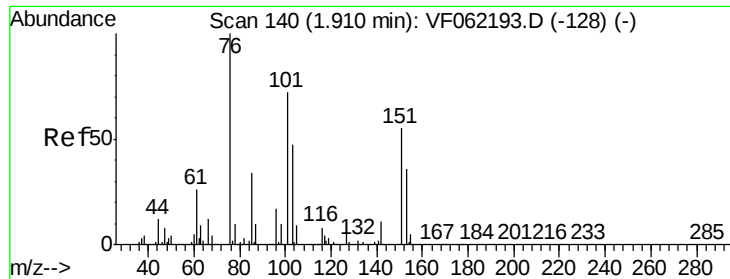
Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 94550 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 23.3  | 18.8  | 28.2  |





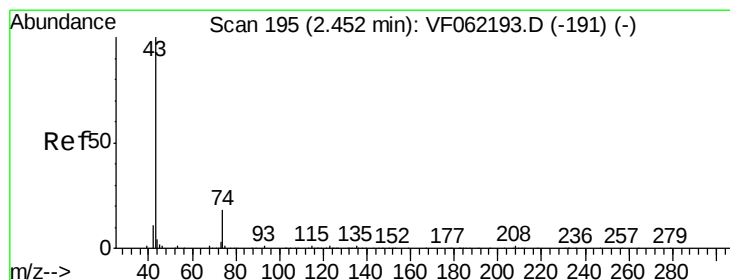
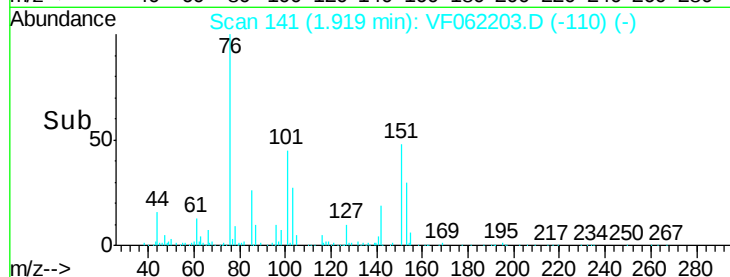
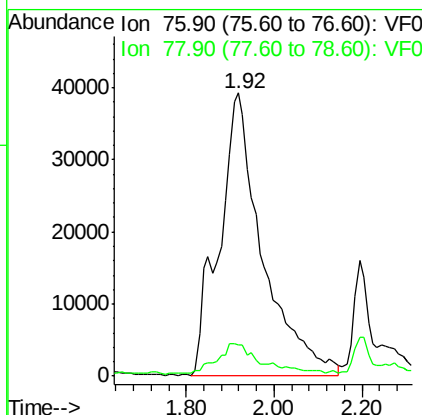
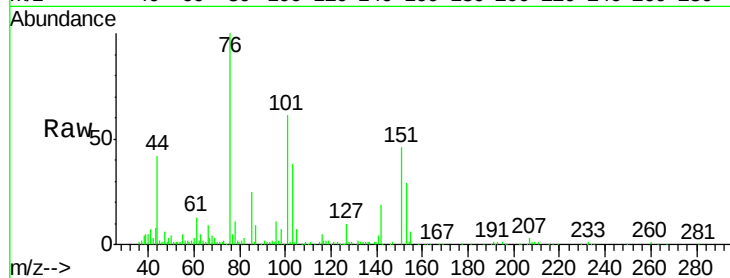
#17  
Carbon Disulfide  
Concen: 21.916 ug/l m  
RT: 1.92 min Scan# 141  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0418SBS01

Tot Ion: 76 Resp: 269904  
Ion Ratio Lower Upper  
76 100  
78 10.8 8.7 13.1

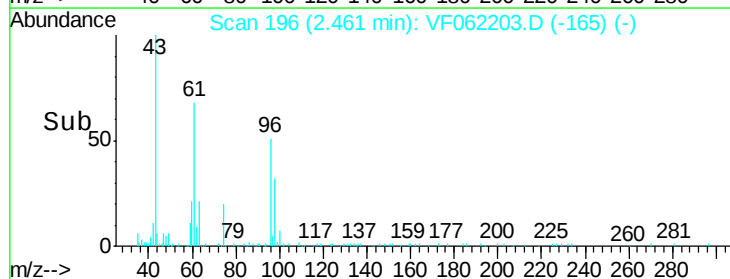
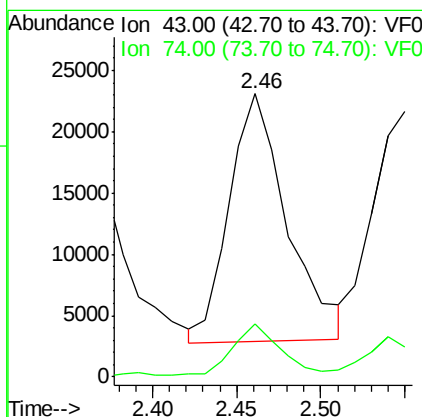
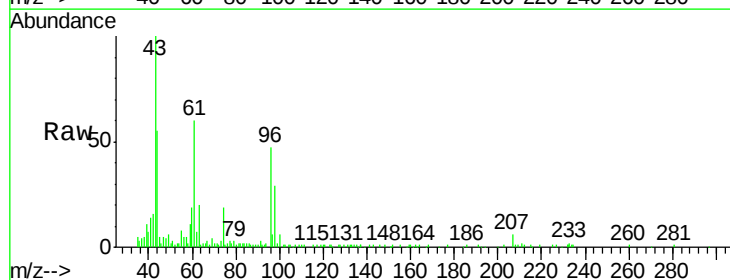
Manual Integrations  
APPROVED

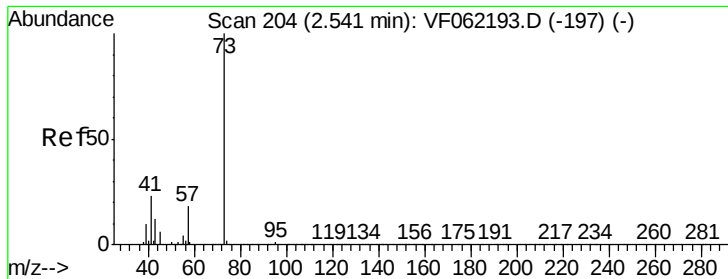
MMDadoda  
4/19/2019 10:52:13 AM



#18  
Methyl Acetate  
Concen: 22.421 ug/l  
RT: 2.46 min Scan# 196  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

Tgt Ion: 43 Resp: 48165  
Ion Ratio Lower Upper  
43 100  
74 16.6 14.5 21.7





#19

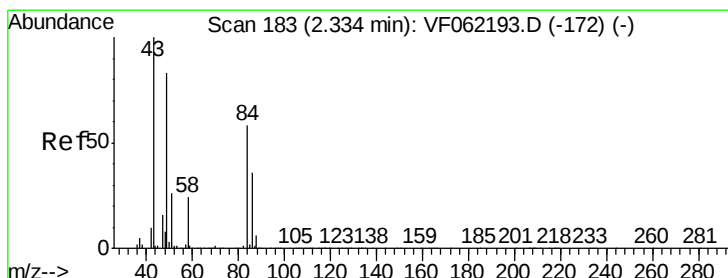
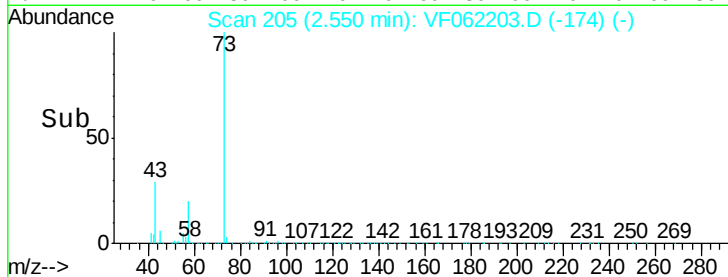
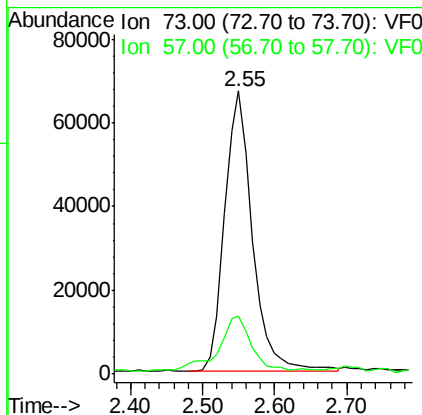
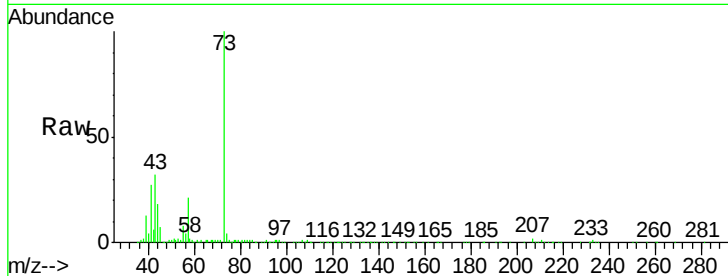
Methyl tert-butyl Ether  
Concen: 22.848 ug/l  
RT: 2.55 min Scan# 205  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0418SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 18.7  | 15.1  | 22.7  |

Manual Integrations  
APPROVED

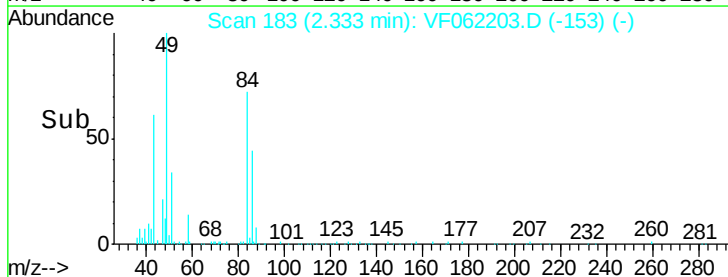
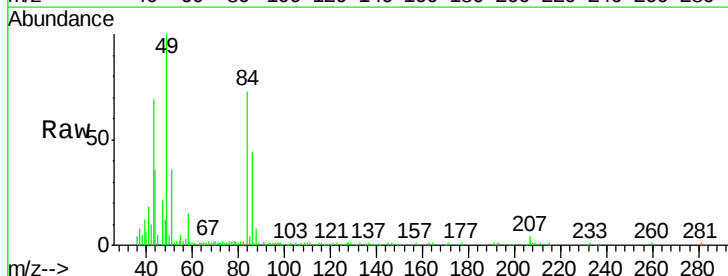
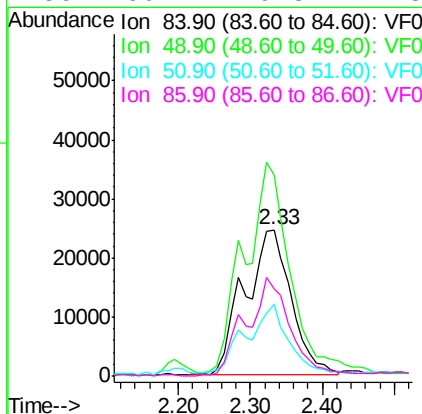
MMDadoda  
4/19/2019 10:52:13 AM

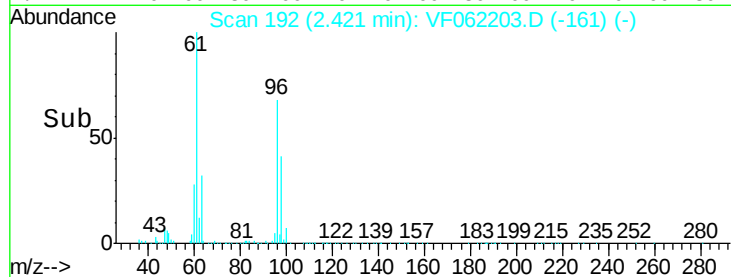
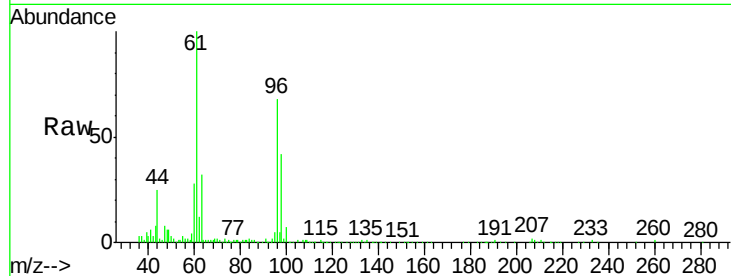
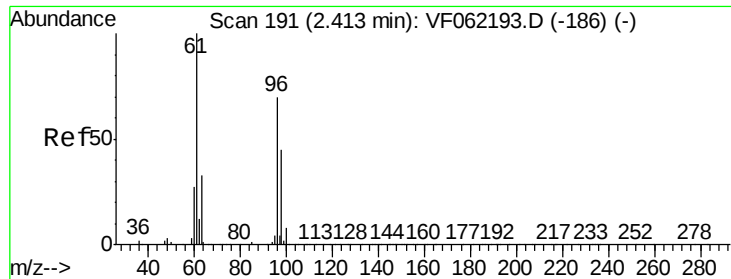


#20

Methylene Chloride  
Concen: 22.293 ug/l  
RT: 2.33 min Scan# 183  
Delta R.T. -0.00 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 133.4 | 114.0 | 171.0 |
| 51      | 46.4  | 37.0  | 55.4  |
| 86      | 60.4  | 49.8  | 74.8  |





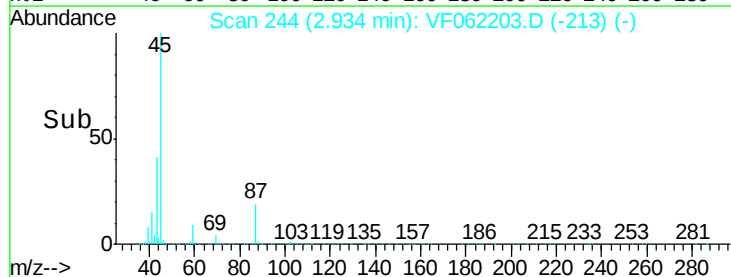
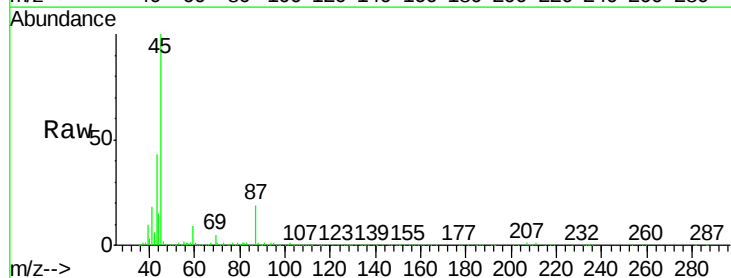
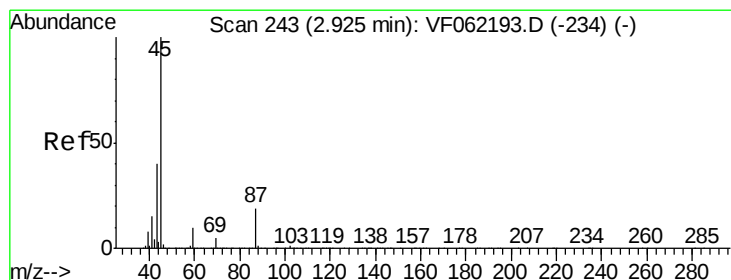
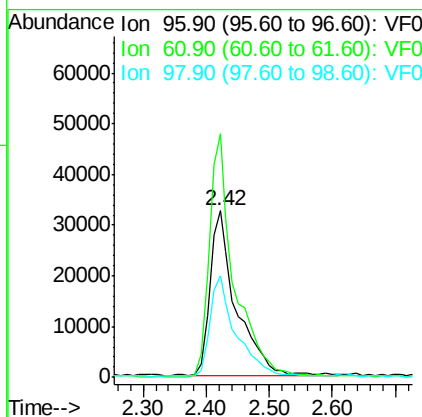
#21  
trans-1,2-Dichloroethene  
Concen: 21.432 ug/l  
RT: 2.42 min Scan# 192  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 96      | 96  | 100   |      |       |       |
| 61      | 61  | 147.7 |      | 114.6 | 172.0 |
| 98      | 98  | 60.8  |      | 51.2  | 76.8  |

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0418SBS01

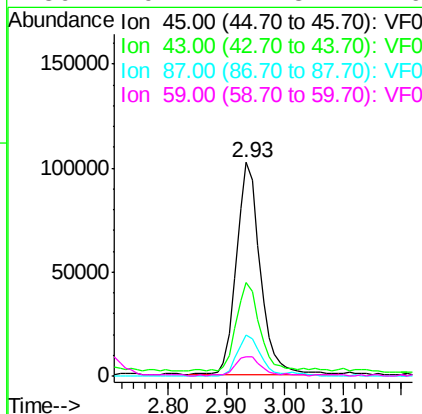
Manual Integrations  
APPROVED

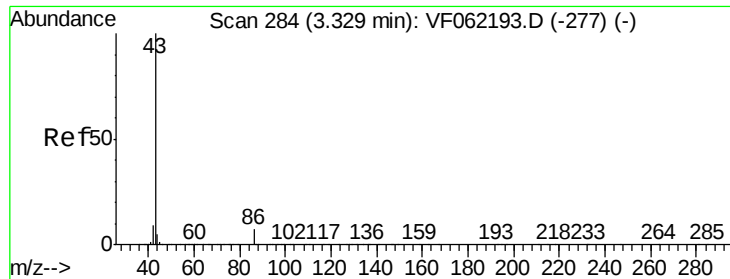
MMDadoda  
4/19/2019 10:52:13 AM



#22  
Diisopropyl ether  
Concen: 22.462 ug/l  
RT: 2.93 min Scan# 244  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 45      | 45  | 100   |      |       |       |
| 43      | 43  | 41.2  |      | 32.8  | 49.2  |
| 87      | 87  | 19.4  |      | 15.2  | 22.8  |
| 59      | 59  | 9.1   |      | 7.8   | 11.6  |





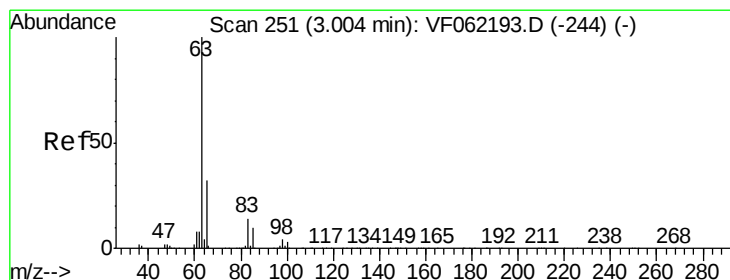
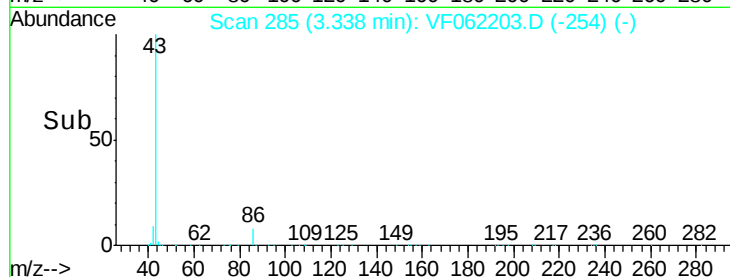
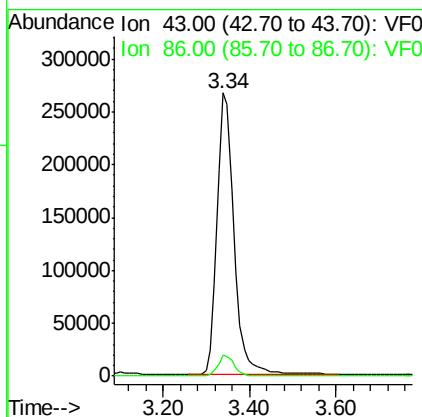
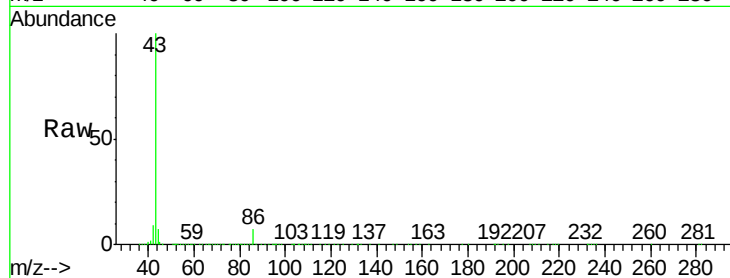
#23  
 Vinyl Acetate  
 Concen: 117.945 ug/l  
 RT: 3.34 min Scan# 285  
 Delta R.T. 0.01 min  
 Lab File: VF062203.D  
 Acq: 18 Apr 2019 14:18

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0418SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 86      | 7.5   | 5.9   | 8.9   |

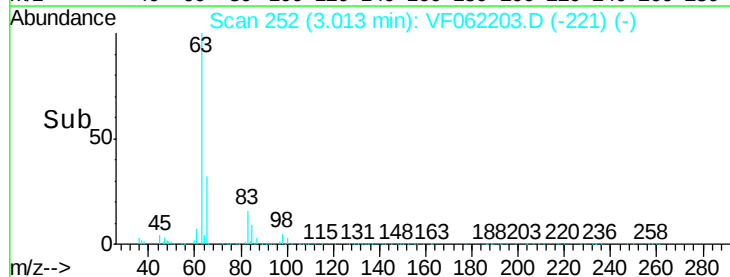
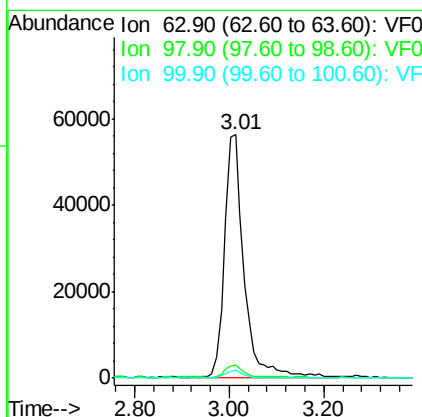
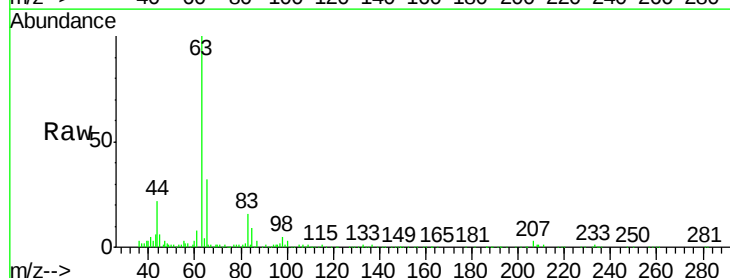
Manual Integrations  
 APPROVED

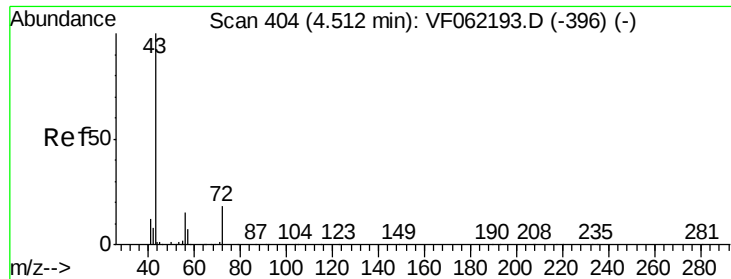
MMDadoda  
 4/19/2019 10:52:13 AM



#24  
 1,1-Dichloroethane  
 Concen: 22.227 ug/l  
 RT: 3.01 min Scan# 252  
 Delta R.T. 0.01 min  
 Lab File: VF062203.D  
 Acq: 18 Apr 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 98      | 4.8   | 2.3   | 6.8   |
| 100     | 3.4   | 1.7   | 5.0   |





#25

2-Butanone

Concen: 106.133 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Tot Ion: 43 Resp: 185058

Ion Ratio Lower Upper

43 100

72 19.1 16.1 24.1

Instrument :

MSVOA\_F

ClientSampleId :

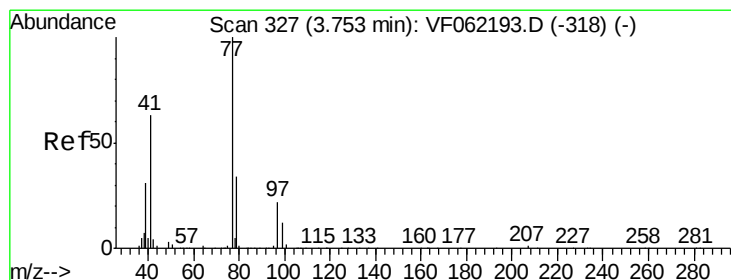
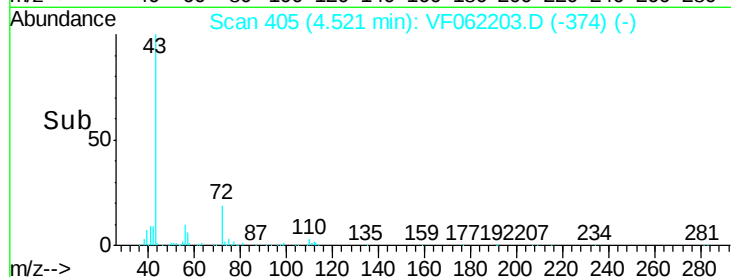
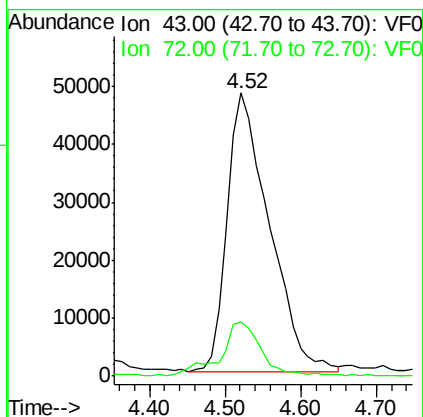
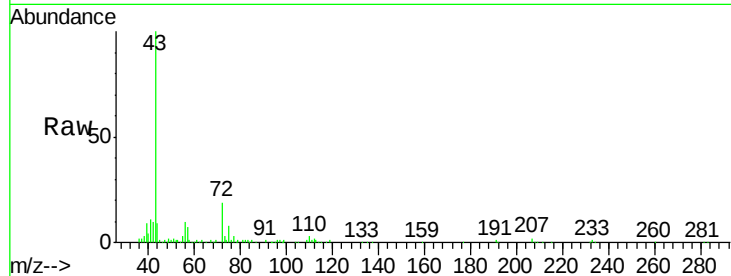
VF0418SBS01

Manual Integrations

APPROVED

MMDadoda

4/19/2019 10:52:13 AM



#26

2,2-Dichloropropane

Concen: 21.779 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.02 min

Lab File: VF062203.D

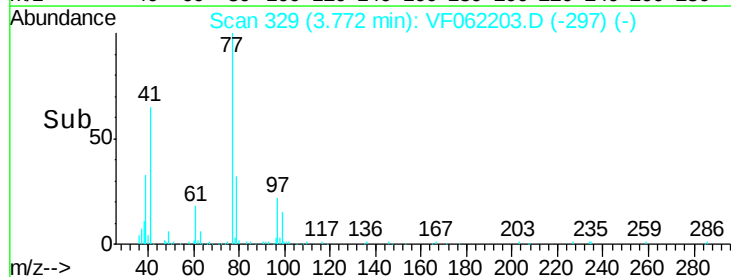
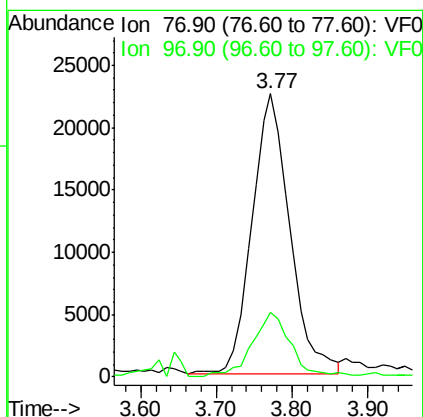
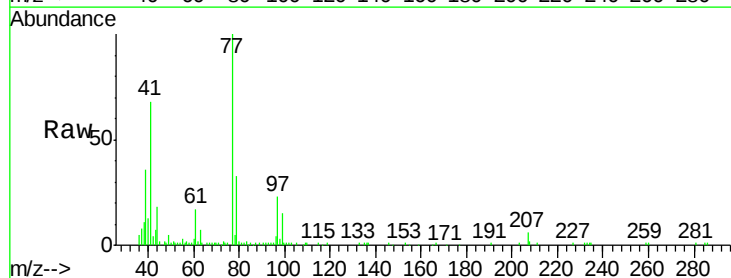
Acq: 18 Apr 2019 14:18

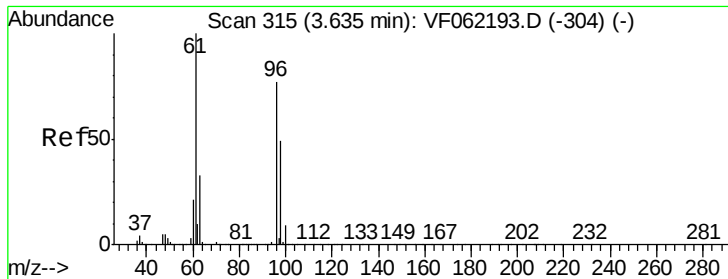
Tgt Ion: 77 Resp: 78259

Ion Ratio Lower Upper

77 100

97 23.6 11.1 33.3





#27

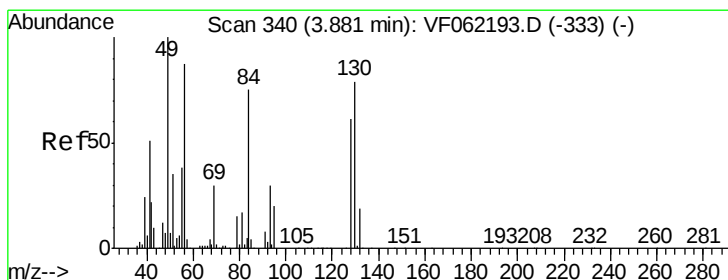
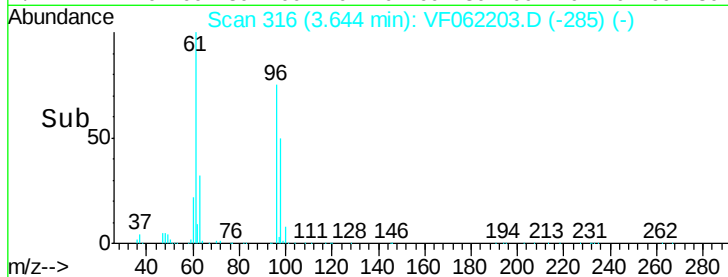
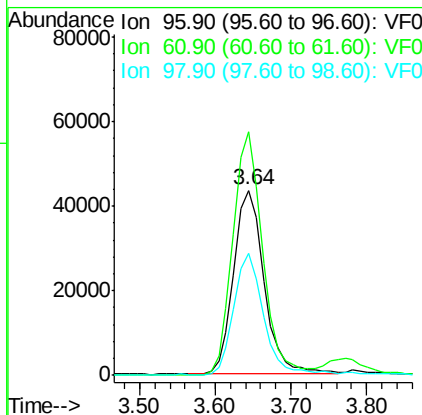
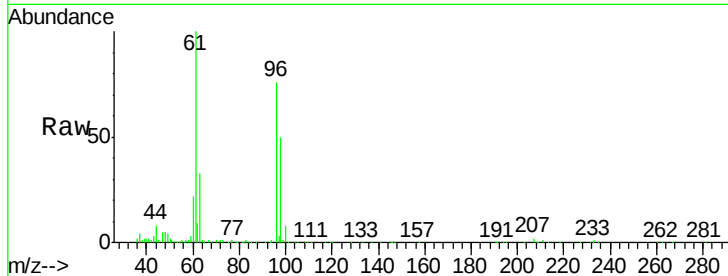
cis-1,2-Dichloroethene  
Concen: 21.506 ug/l  
RT: 3.64 min Scan# 316  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0418SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 122063 |       |       |
| 61      | 128.4 |        | 0.0   | 253.6 |
| 98      | 64.7  |        | 0.0   | 124.8 |

Manual Integrations  
APPROVED

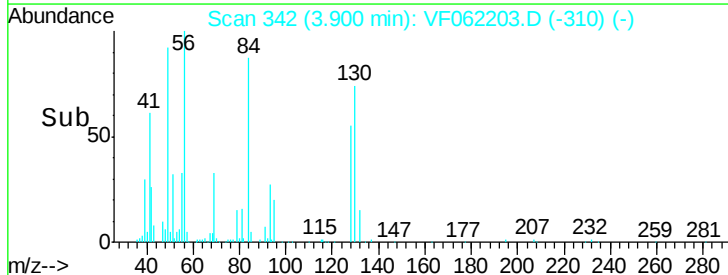
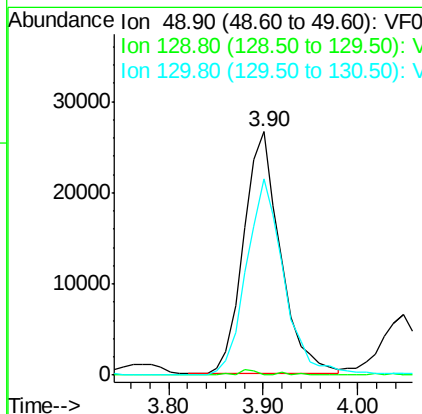
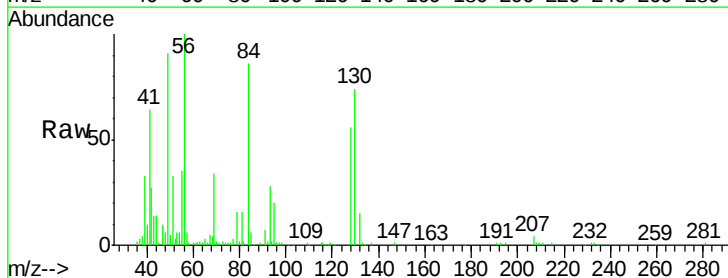
MMDadoda  
4/19/2019 10:52:13 AM

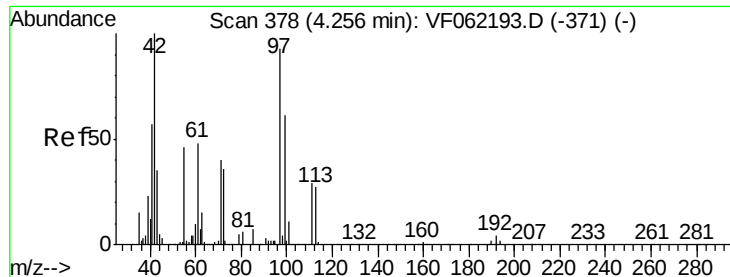


#28

Bromochloromethane  
Concen: 21.010 ug/l  
RT: 3.90 min Scan# 342  
Delta R.T. 0.02 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 71631 |       |       |
| 129     | 1.0   |       | 0.0   | 0.0#  |
| 130     | 84.0  |       | 66.6  | 100.0 |





#29

Tetrahydrofuran

Concen: 105.861 ug/l

RT: 4.26 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

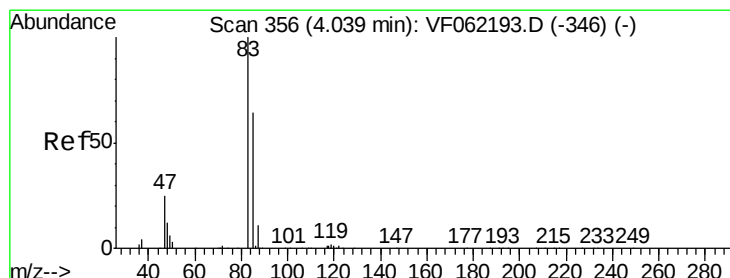
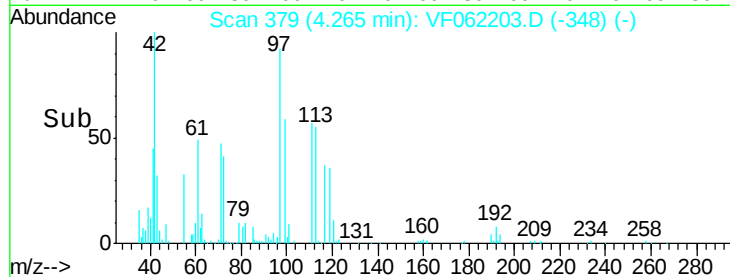
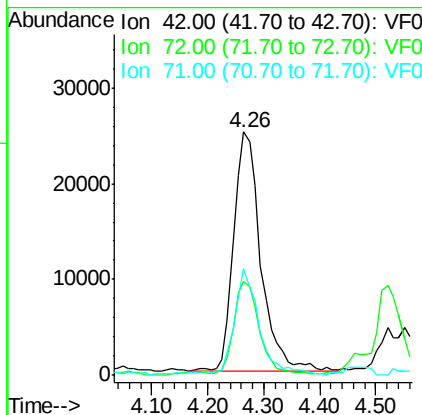
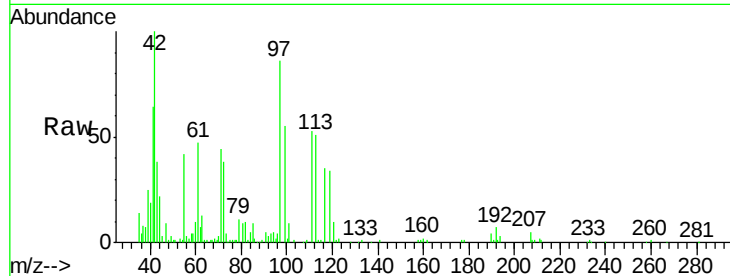
ClientSampleId :

VF0418SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 42    | Resp: | 83549 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 72        | 36.4  | 28.6  | 43.0  |
| 71        | 42.3  | 29.2  | 43.8  |

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 10:52:13 AM



#30

Chloroform

Concen: 21.414 ug/l

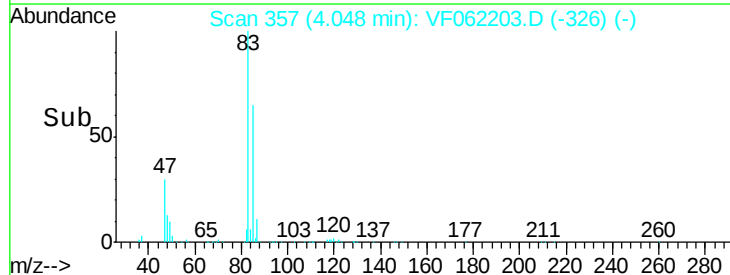
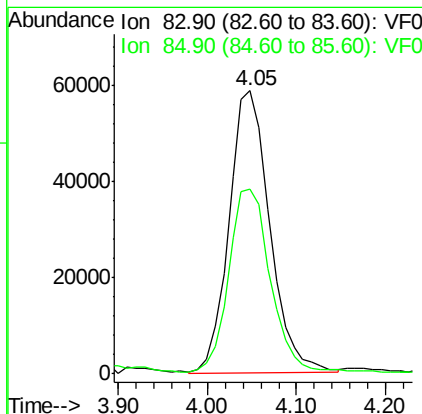
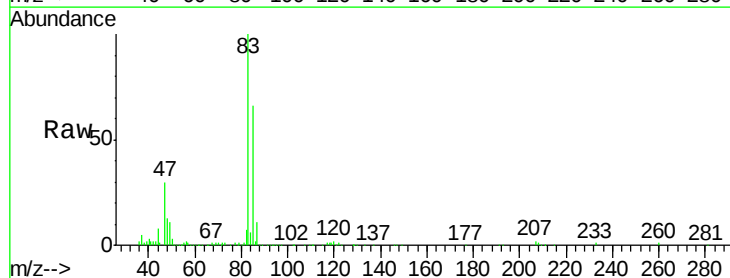
RT: 4.05 min Scan# 357

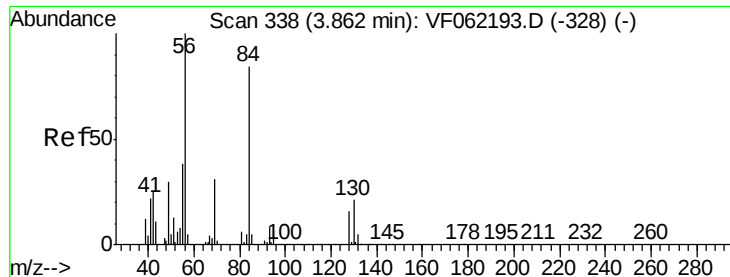
Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 187307 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 65.5  | 51.8  | 77.8   |





#31

Cyclohexane

Concen: 21.006 ug/l

RT: 3.88 min Scan# 340

Delta R.T. 0.02 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

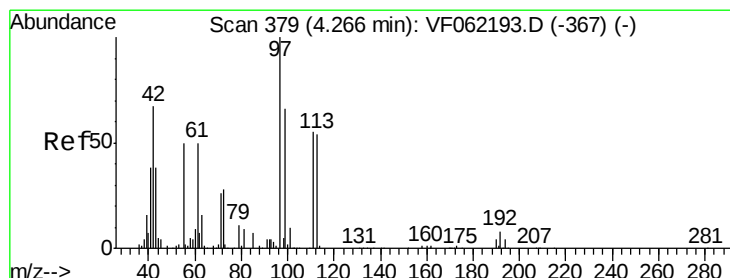
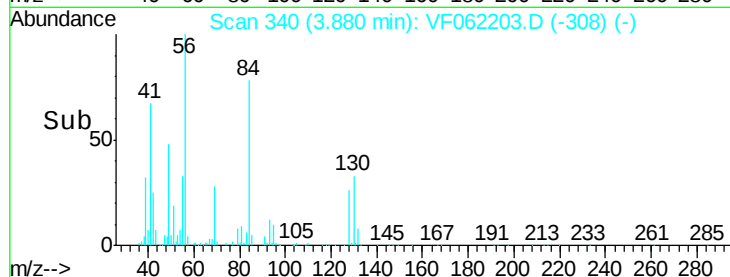
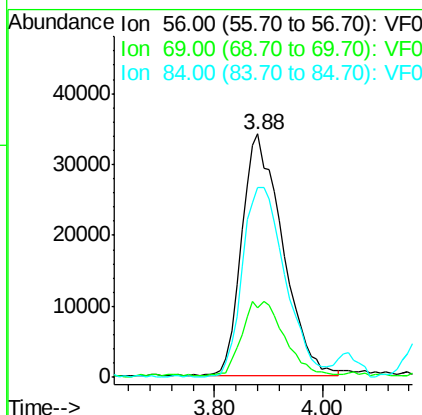
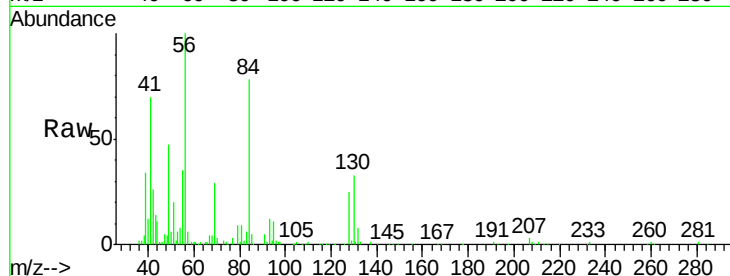
ClientSampleId :

VF0418SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 179167 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 27.5  | 25.1  | 37.7   |
| 84       | 77.7  | 67.8  | 101.6  |

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 10:52:13 AM



#32

1,1,1-Trichloroethane

Concen: 23.409 ug/l

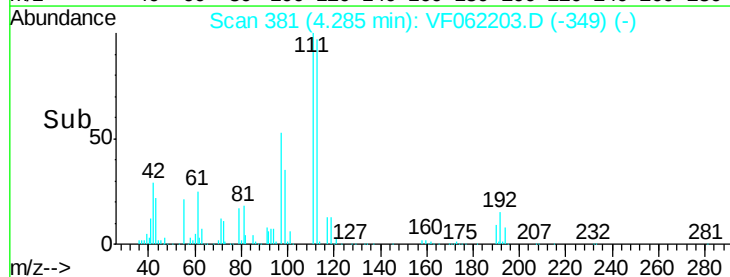
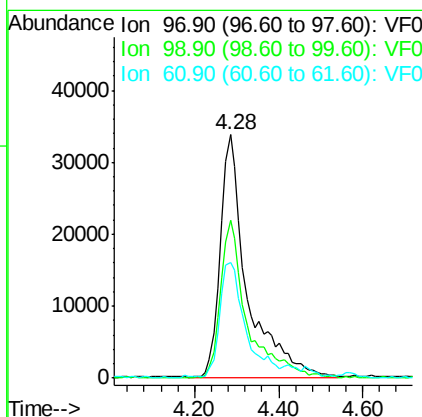
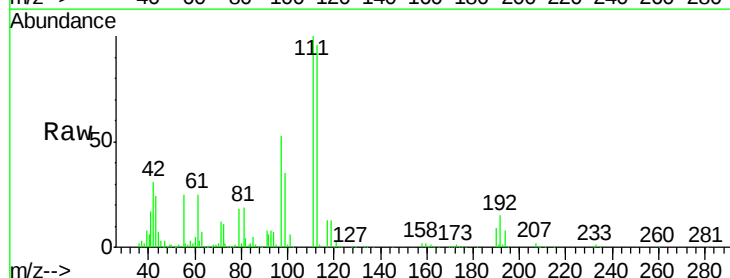
RT: 4.28 min Scan# 381

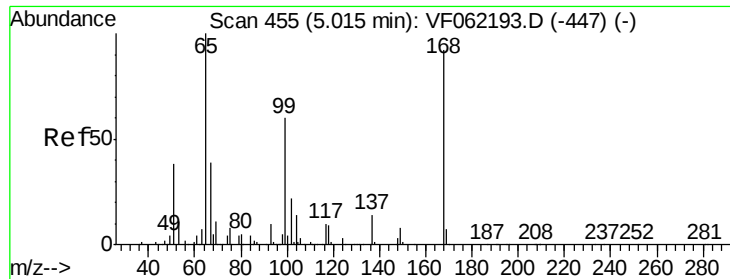
Delta R.T. 0.02 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 149883 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.5  | 52.7  | 79.1   |
| 61       | 44.5  | 53.0  | 79.4#  |





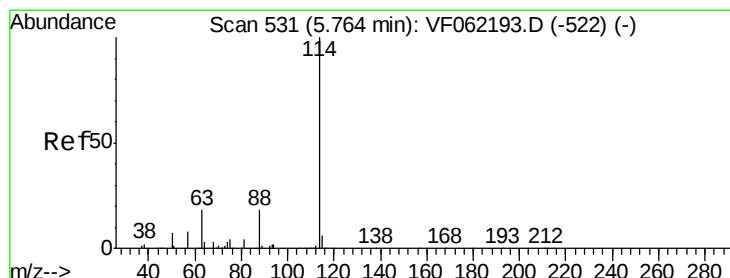
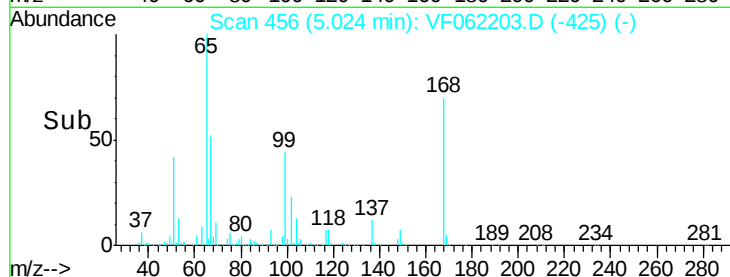
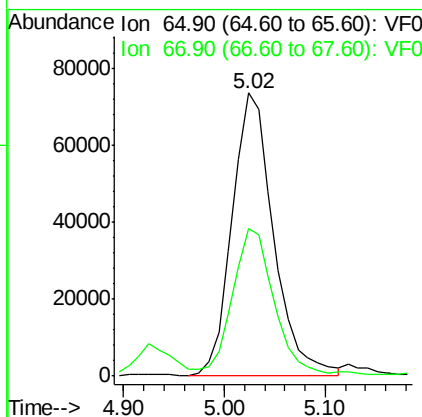
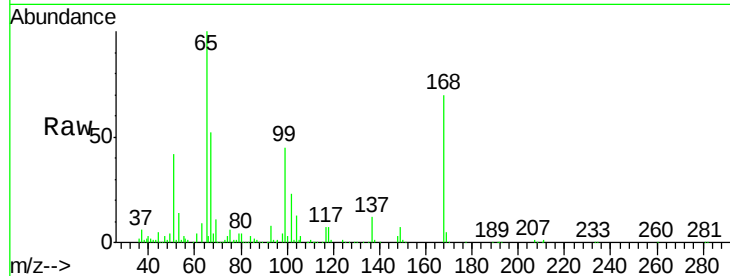
#33  
 1,2-Dichloroethane-d4  
 Concen: 57.373 ug/l  
 RT: 5.02 min Scan# 456  
 Delta R.T. 0.01 min  
 Lab File: VF062203.D  
 Acq: 18 Apr 2019 14:18

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0418SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 209307 |       |       |
| 67      | 51.8  | 0.0    | 109.4 |       |

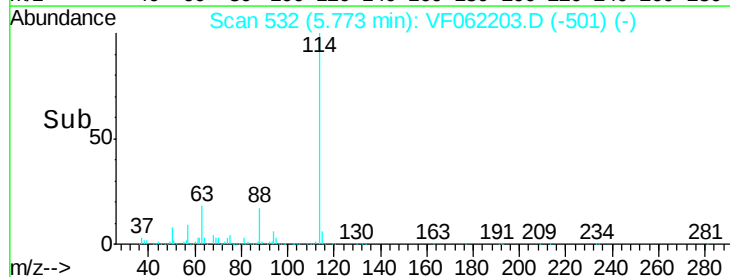
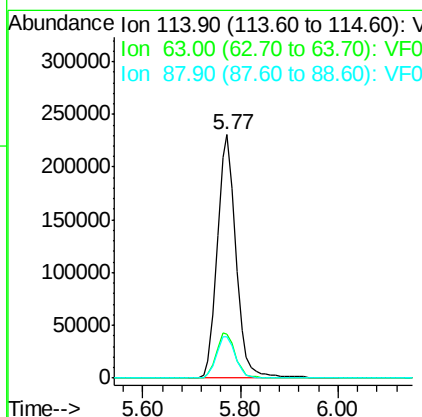
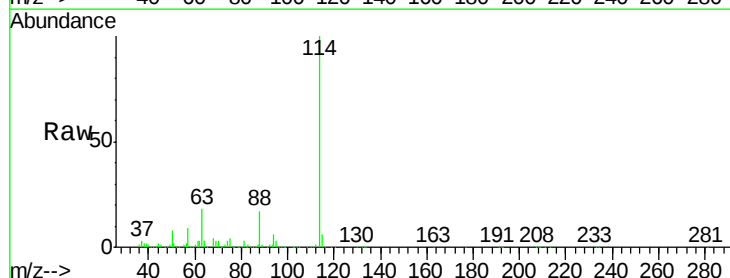
Manual Integrations  
 APPROVED

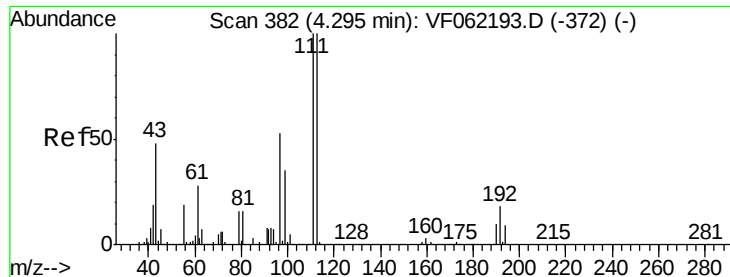
MMDadoda  
 4/19/2019 10:52:13 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.77 min Scan# 532  
 Delta R.T. 0.01 min  
 Lab File: VF062203.D  
 Acq: 18 Apr 2019 14:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 619176 |       |       |
| 63      | 17.8  | 0.0    | 36.6  |       |
| 88      | 17.2  | 0.0    | 35.8  |       |





#35

Dibromofluoromethane

Concen: 51.322 ug/l

RT: 4.30 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

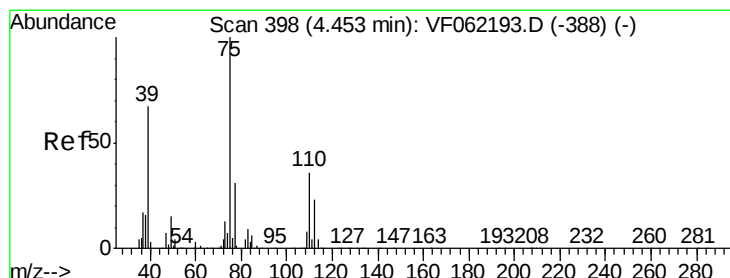
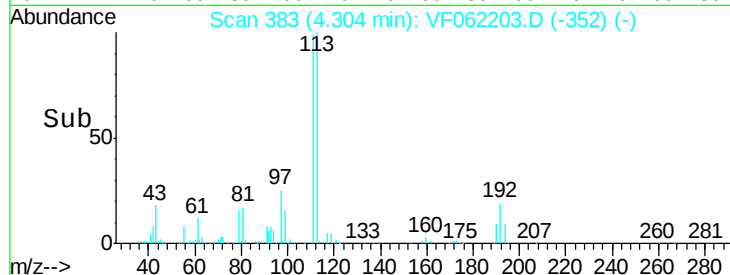
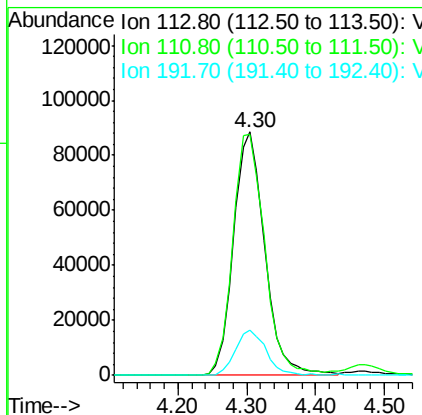
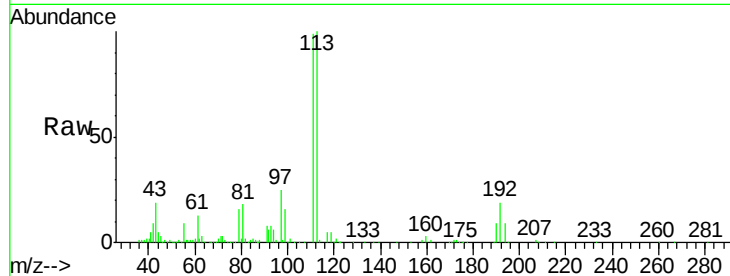
ClientSampleId :

VF0418SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 277965 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 101.2 | 81.1  | 121.7  |
| 192       | 18.6  | 14.7  | 22.1   |

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 10:52:13 AM



#36

1,1-Dichloropropene

Concen: 20.227 ug/l

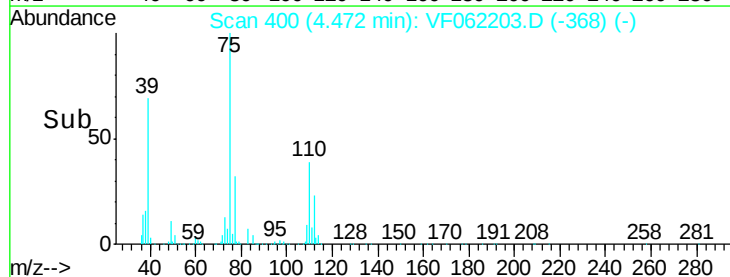
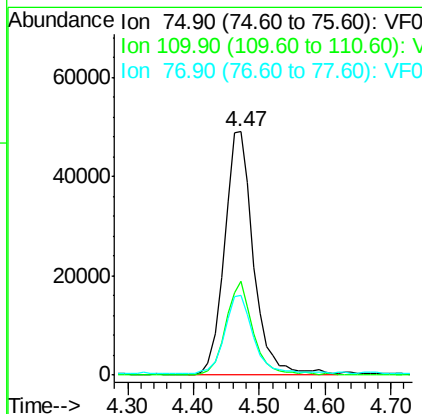
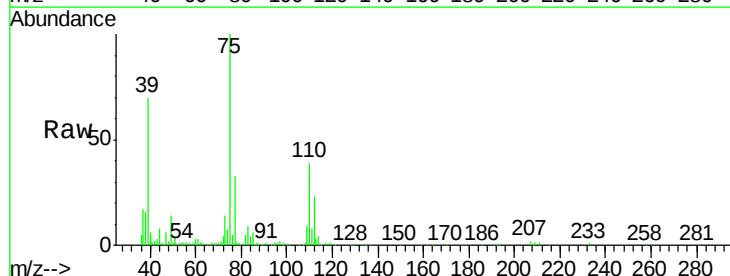
RT: 4.47 min Scan# 400

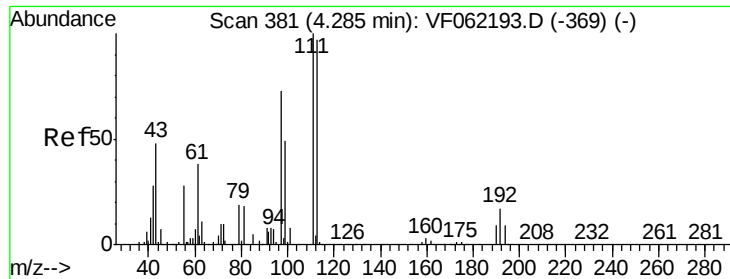
Delta R.T. 0.02 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 150159 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 36.2  | 18.4  | 55.2   |
| 77        | 32.7  | 25.4  | 38.2   |





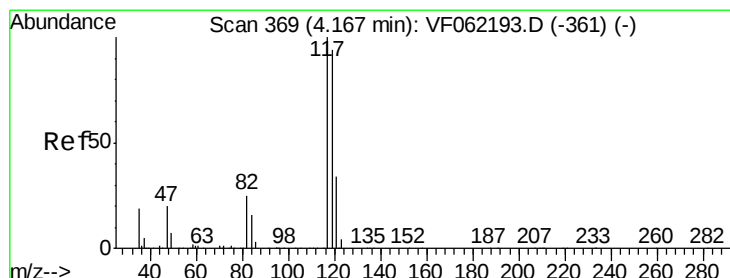
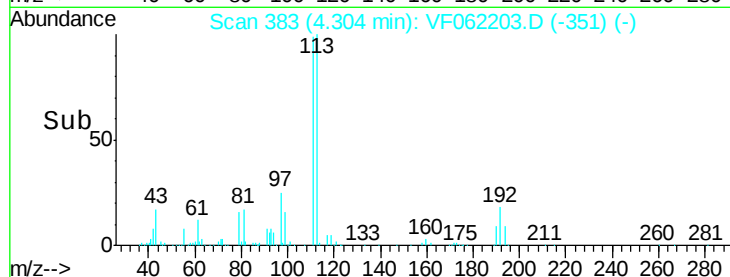
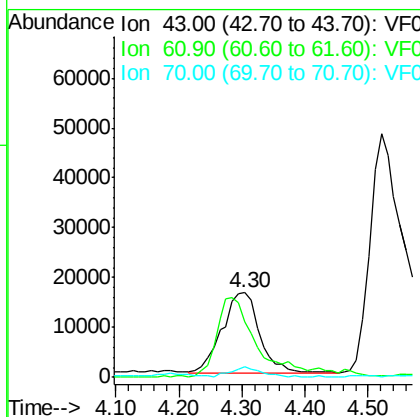
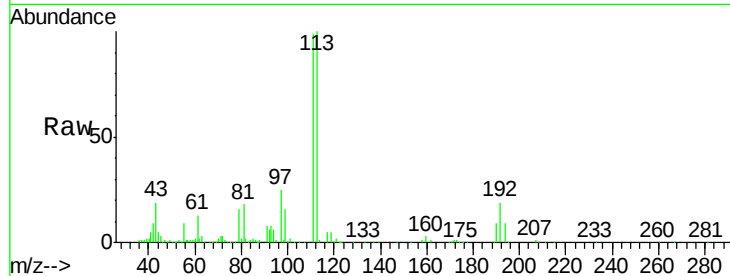
#37  
Ethyl Acetate  
Concen: 19.199 ug/l  
RT: 4.30 min Scan# 383  
Delta R.T. 0.02 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0418SBS01

| Tot Ion | 43    | 61   | 70   |
|---------|-------|------|------|
| Resp    | 67254 |      |      |
| Ratio   | 100   | 99.2 | 10.8 |
| Lower   |       | 0.0  | 7.8  |
| Upper   |       | 0.0# | 11.6 |

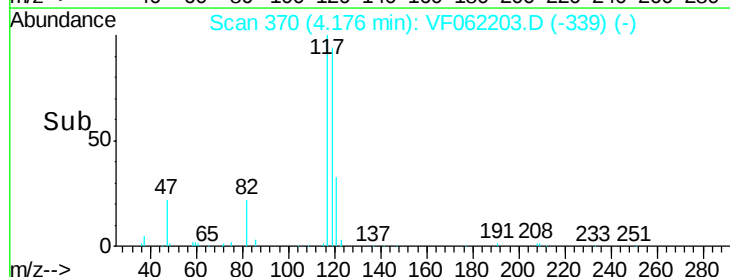
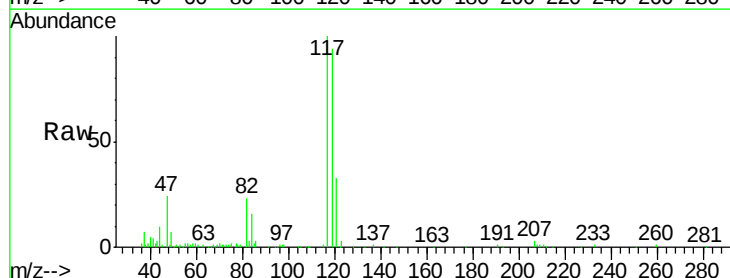
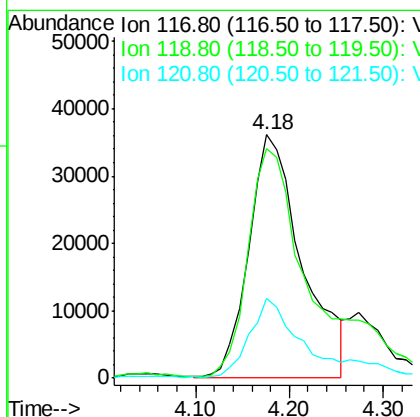
Manual Integrations  
APPROVED

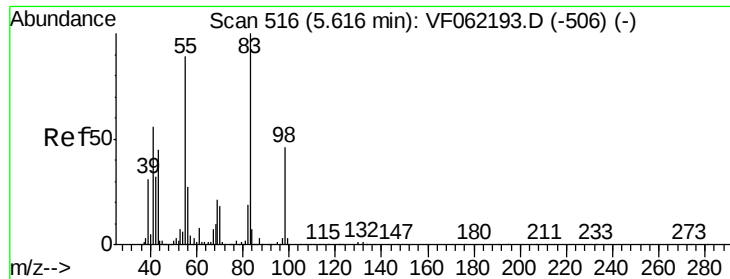
MMDadoda  
4/19/2019 10:52:13 AM



#38  
Carbon Tetrachloride  
Concen: 21.809 ug/l m  
RT: 4.18 min Scan# 370  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

| Tgt Ion | 117    | 119   | 121  |
|---------|--------|-------|------|
| Resp    | 143303 |       |      |
| Ratio   | 100    | 94.2  | 32.8 |
| Lower   |        | 75.0  | 26.9 |
| Upper   |        | 112.4 | 40.3 |





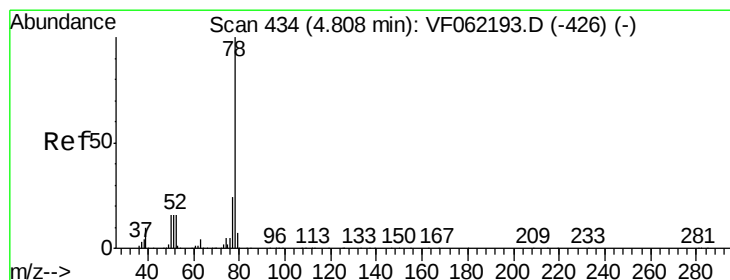
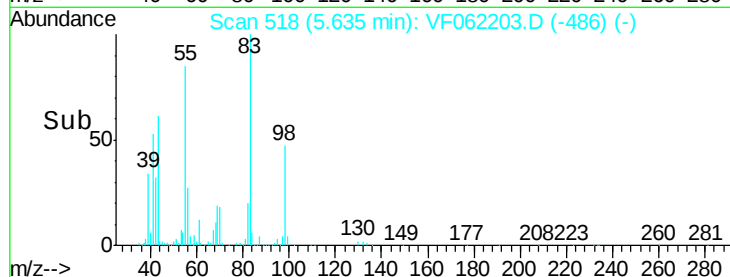
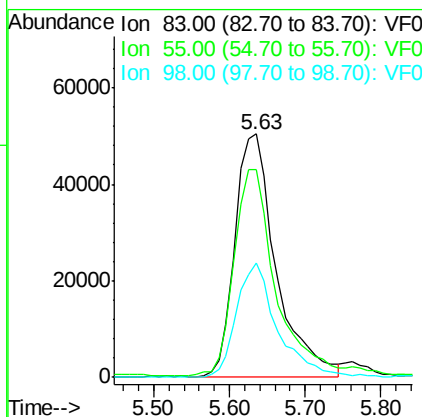
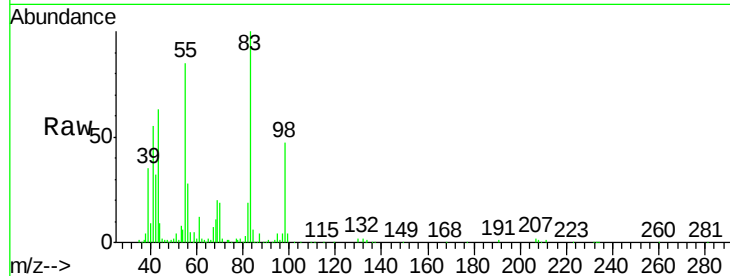
#39  
Methvlcvclohexane  
Concen: 21.348 ug/l  
RT: 5.63 min Scan# 518  
Delta R.T. 0.02 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0418SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 84.5  | 71.0  | 106.6 |
| 98      | 46.9  | 36.7  | 55.1  |

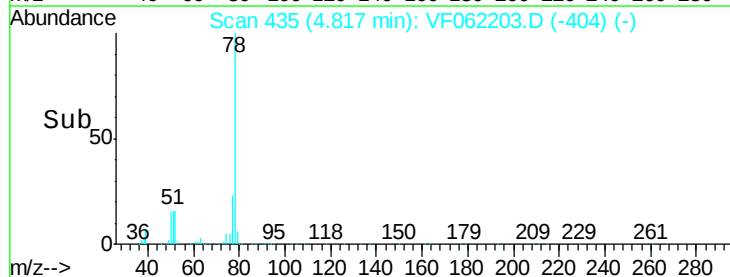
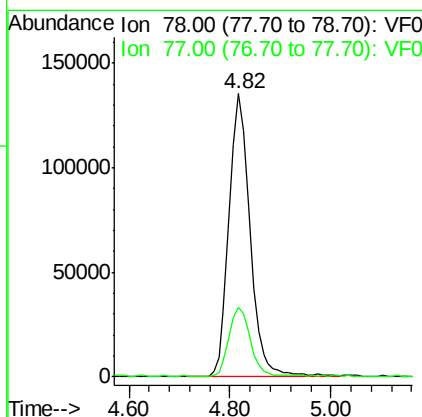
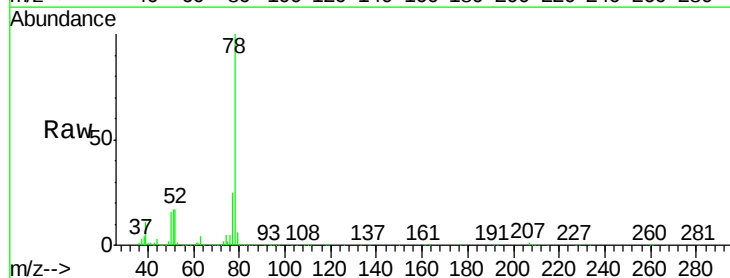
Manual Integrations  
APPROVED

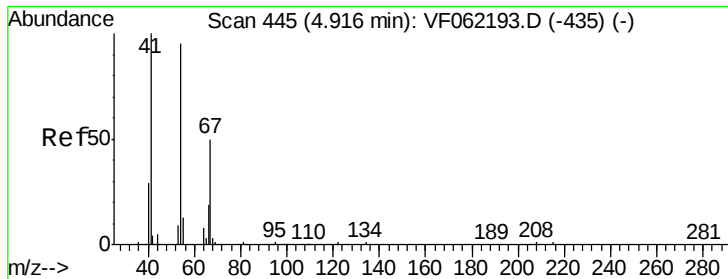
MMDadoda  
4/19/2019 10:52:13 AM



#40  
Benzene  
Concen: 20.019 ug/l  
RT: 4.82 min Scan# 435  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.4  | 18.9  | 28.3  |





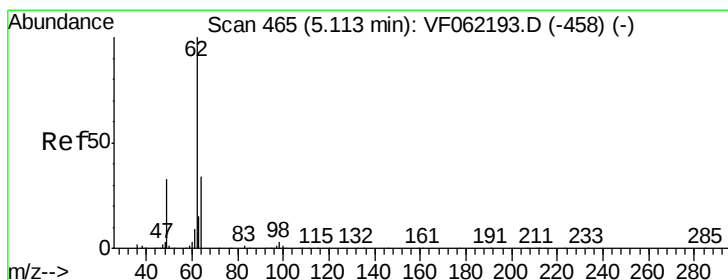
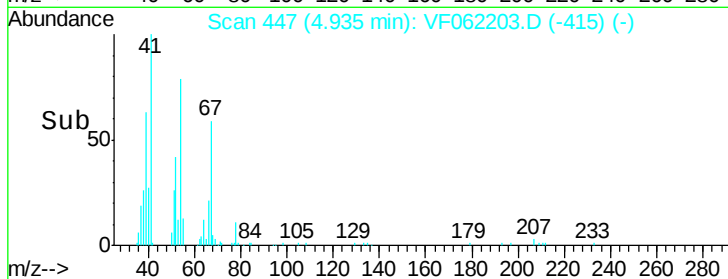
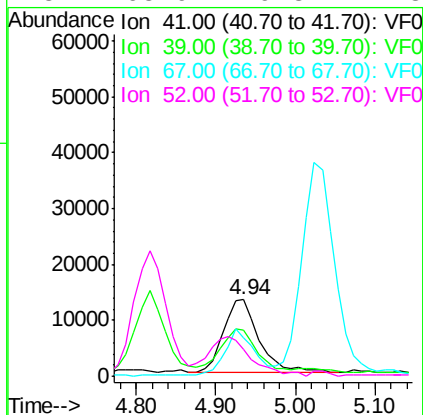
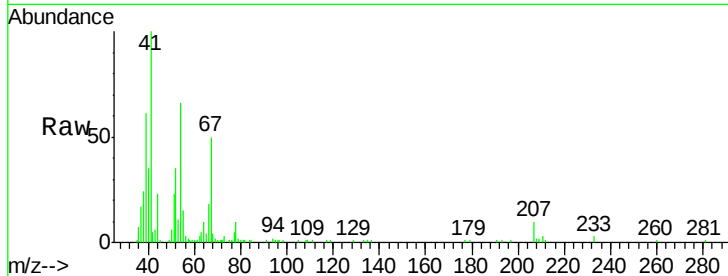
#41  
Methacrylonitrile  
Concen: 20.183 ug/l  
RT: 4.94 min Scan# 447  
Delta R.T. 0.02 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0418SBS01

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 61.0 | 44.7  | 67.1  |       |
| 67      | 52.4 | 39.1  | 58.7  |       |
| 52      | 65.9 | 49.8  | 74.8  |       |

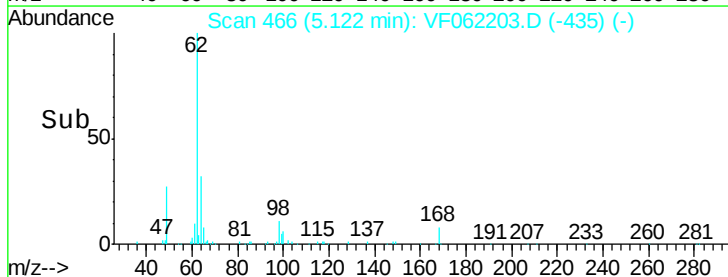
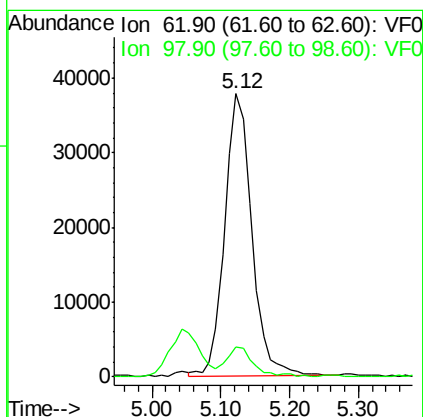
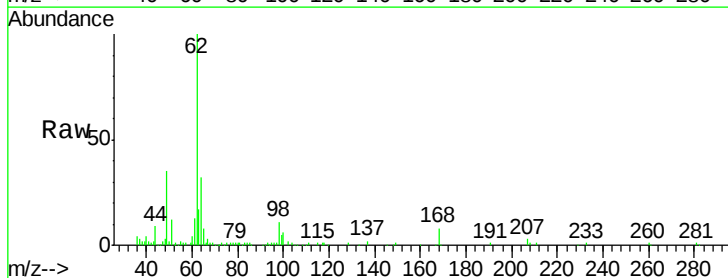
Manual Integrations  
APPROVED

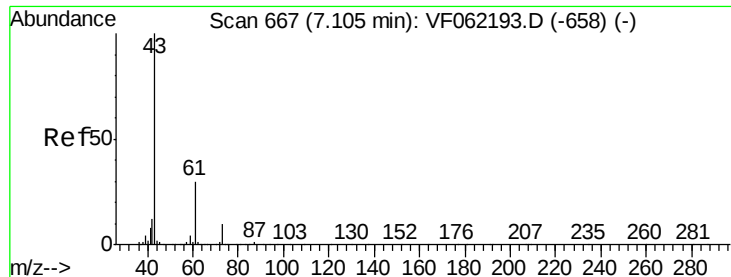
MMDadoda  
4/19/2019 10:52:13 AM



#42  
1,2-Dichloroethane  
Concen: 19.913 ug/l  
RT: 5.12 min Scan# 466  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 62      | 100  |       |       |       |
| 98      | 11.0 | 0.0   | 19.0  |       |





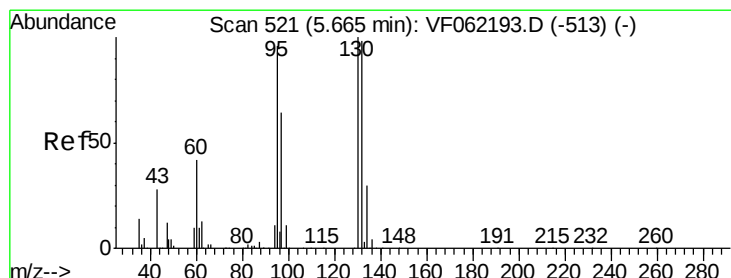
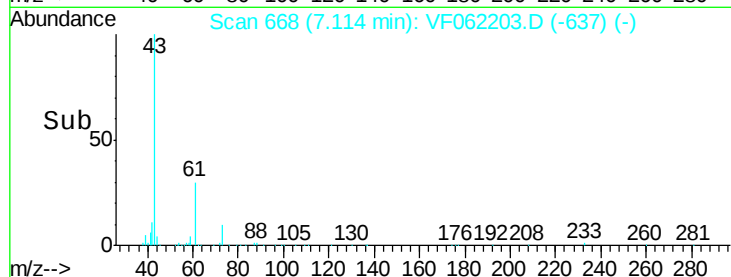
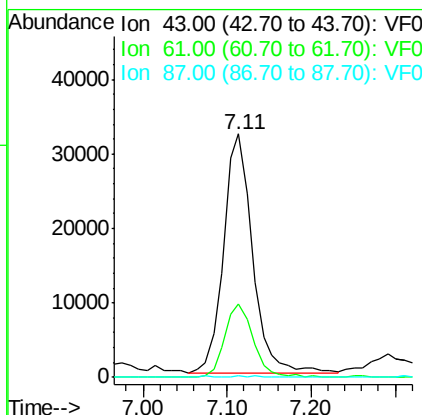
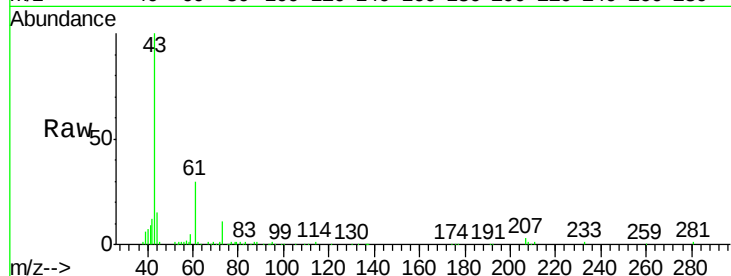
#43  
Isopropyl Acetate  
Concen: 21.009 ug/l  
RT: 7.11 min Scan# 668  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0418SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 30.3  | 24.4  | 36.6  |
| 87      | 0.5   | 0.4   | 0.6   |

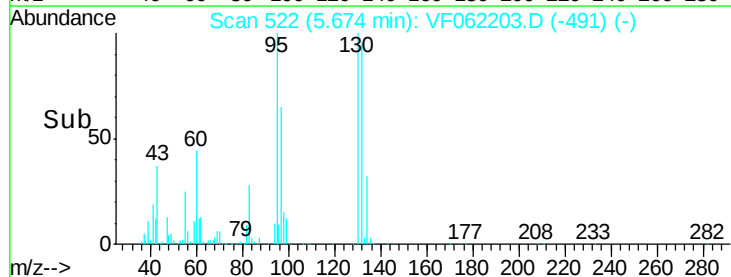
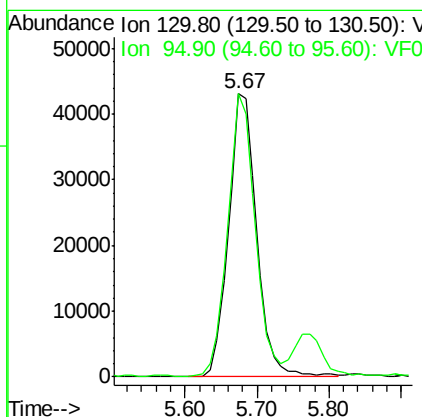
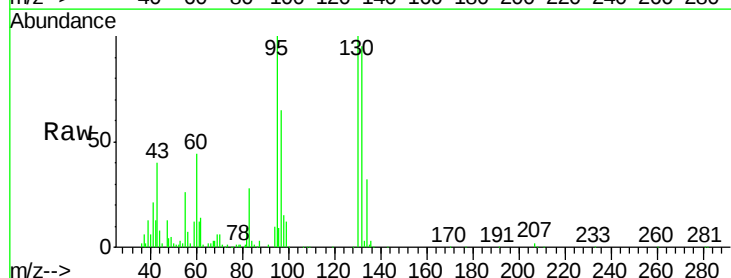
Manual Integrations  
APPROVED

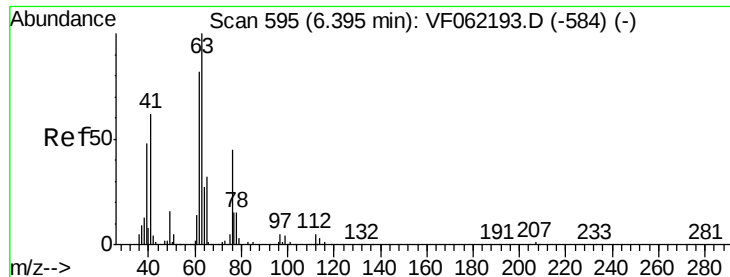
MMDadoda  
4/19/2019 10:52:13 AM



#44  
Trichloroethene  
Concen: 22.239 ug/l  
RT: 5.67 min Scan# 522  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 99.7  | 0.0   | 191.4 |





#45

1,2-Dichloropropane

Concen: 22.035 ug/l

RT: 6.40 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

ClientSampleId :

VF0418SBS01

Tot Ion: 63 Resp: 94510

Ion Ratio Lower Upper

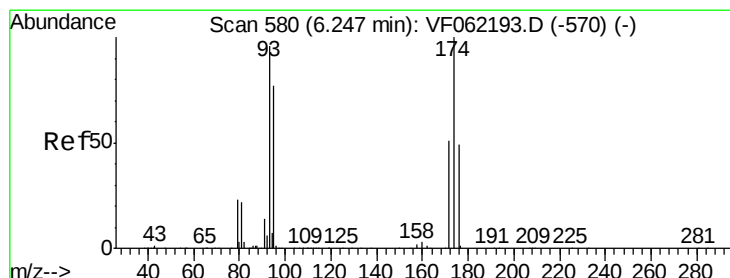
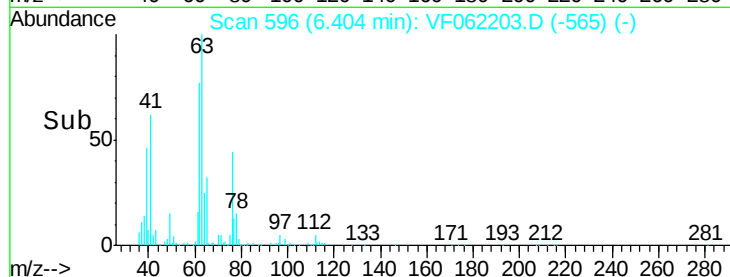
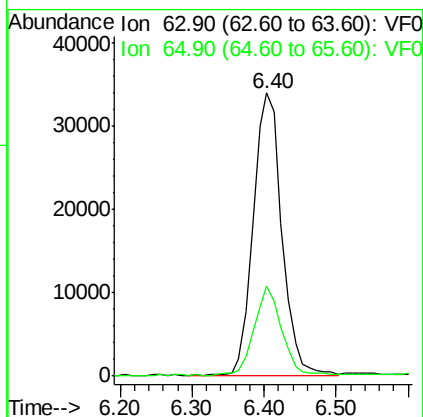
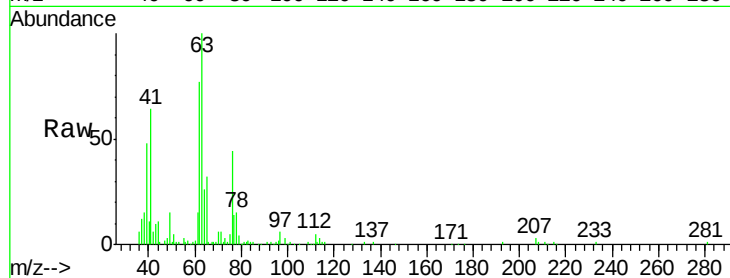
63 100

65 31.7 25.9 38.9

Manual Integrations  
APPROVED

MMDadoda

4/19/2019 10:52:13 AM



#46

Dibromomethane

Concen: 22.133 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

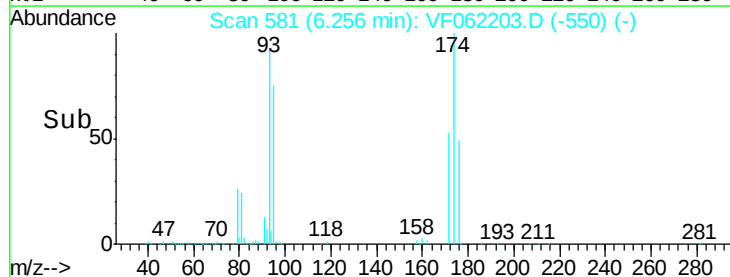
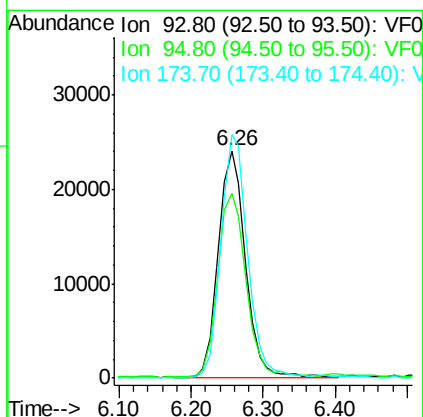
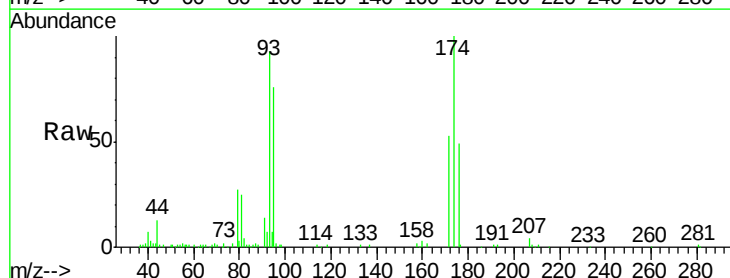
Tgt Ion: 93 Resp: 63160

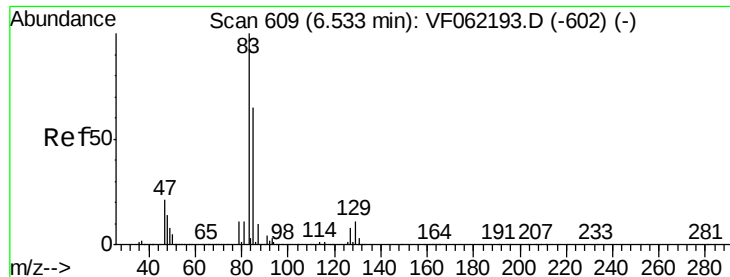
Ion Ratio Lower Upper

93 100

95 85.7 65.1 97.7

174 105.2 81.8 122.6





#47

Bromodichloromethane

Concen: 21.810 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.02 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

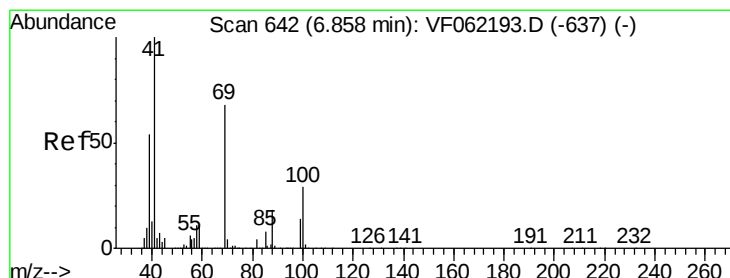
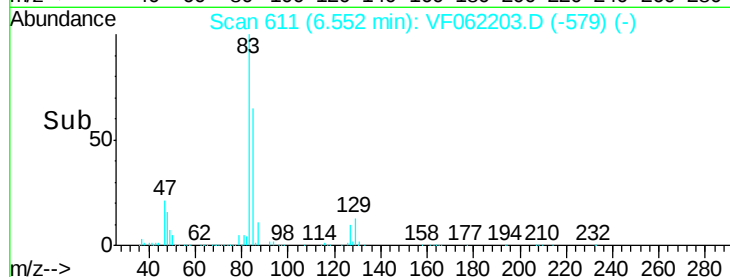
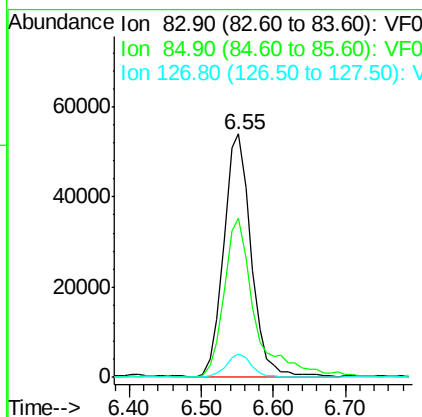
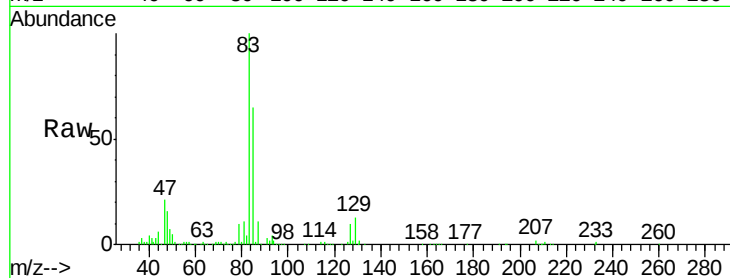
ClientSampleId :

VF0418SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 140447 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 65.1  | 52.2  | 78.4   |
| 127       | 9.7   | 6.7   | 10.1   |

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 10:52:13 AM



#48

Methyl methacrylate

Concen: 20.178 ug/l

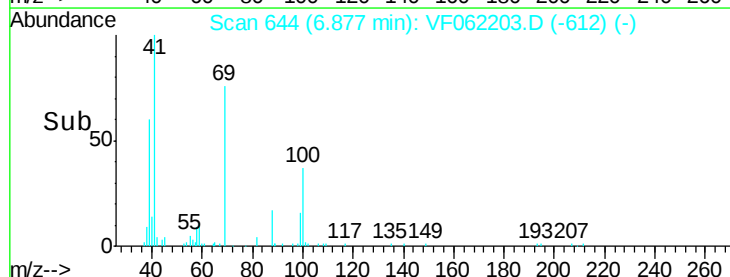
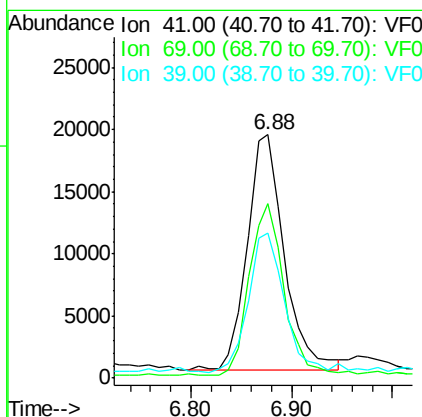
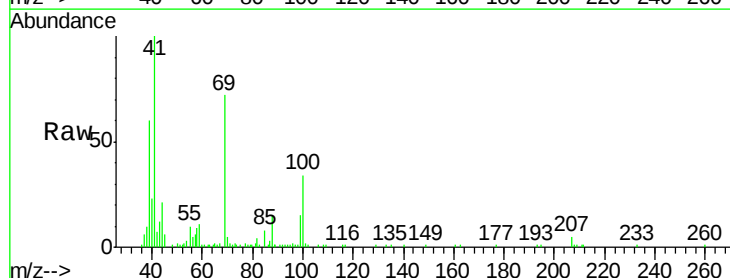
RT: 6.88 min Scan# 644

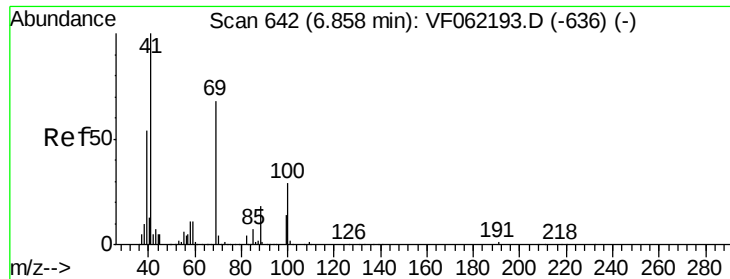
Delta R.T. 0.02 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 48858 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 67.7  | 54.9  | 82.3  |
| 39        | 57.9  | 43.6  | 65.4  |





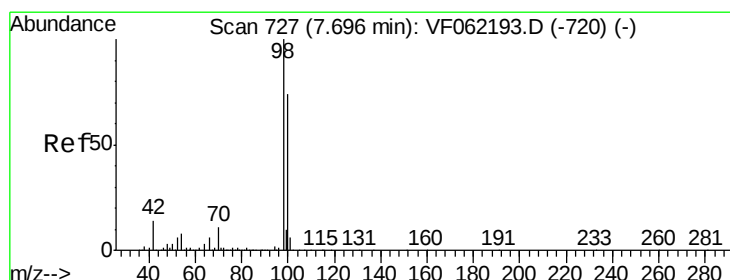
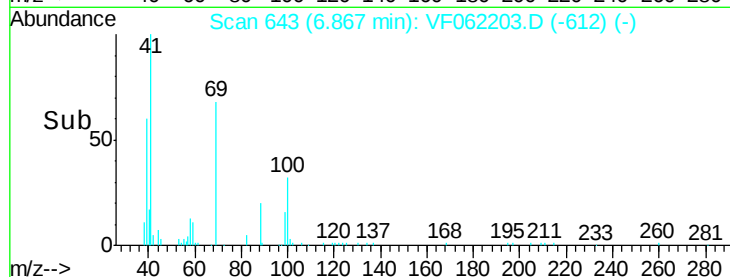
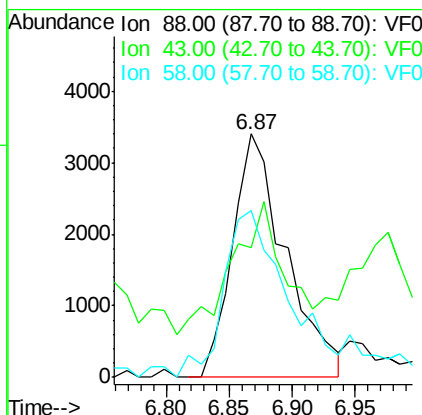
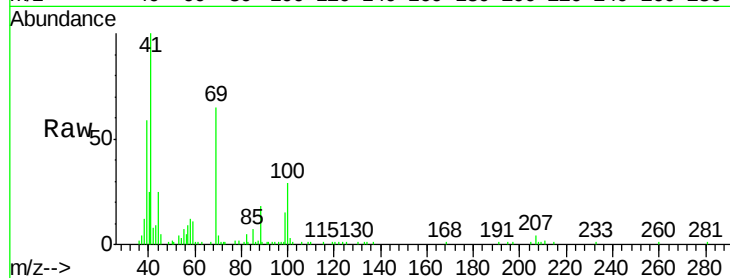
#49  
1,4-Dioxane  
Concen: 356.987 ug/l  
RT: 6.87 min Scan# 643  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0418SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 52.7  | 36.9  | 55.3  |
| 58      | 83.7  | 56.8  | 85.2  |

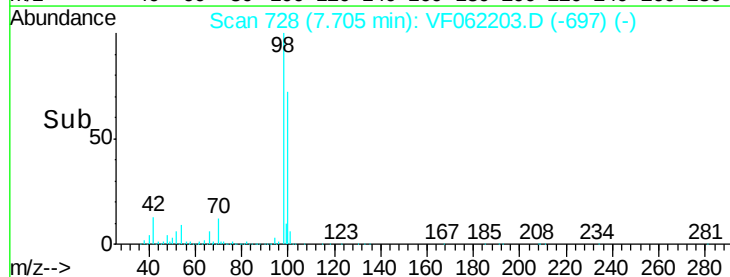
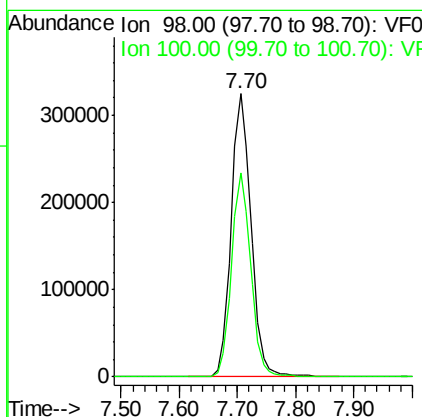
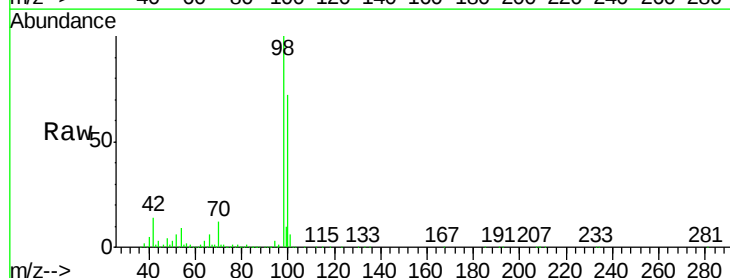
Manual Integrations  
APPROVED

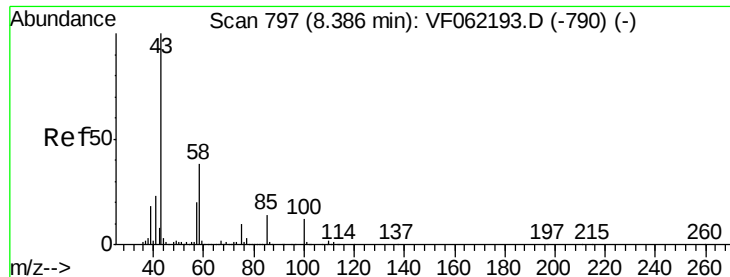
MMDadoda  
4/19/2019 10:52:13 AM



#50  
Toluene-d8  
Concen: 56.337 ug/l  
RT: 7.70 min Scan# 728  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 69.9  | 56.2  | 84.2  |





#51

4-Methyl-2-Pentanone

Concen: 109.661 ug/l

RT: 8.39 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

ClientSampled :

VF0418SBS01

Tot Ion: 43 Resp: 300509

Ion Ratio Lower Upper

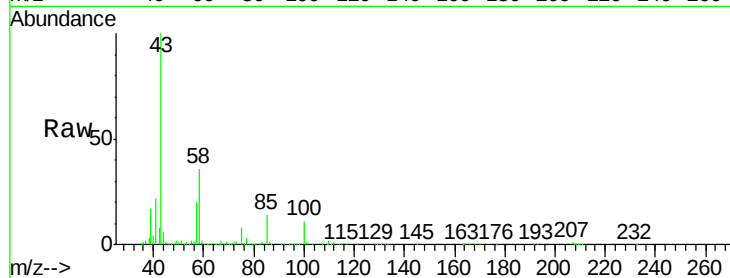
43 100

58 36.1 29.3 43.9

Manual Integrations  
APPROVED

MMDadoda

4/19/2019 10:52:13 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

100000

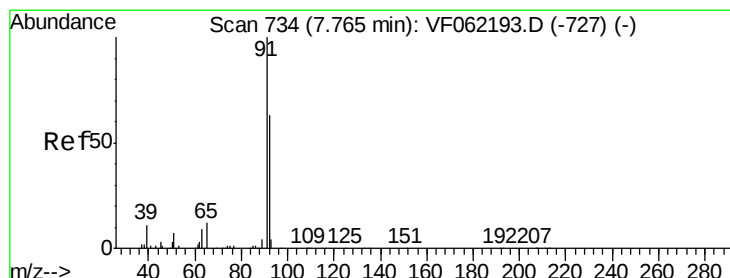
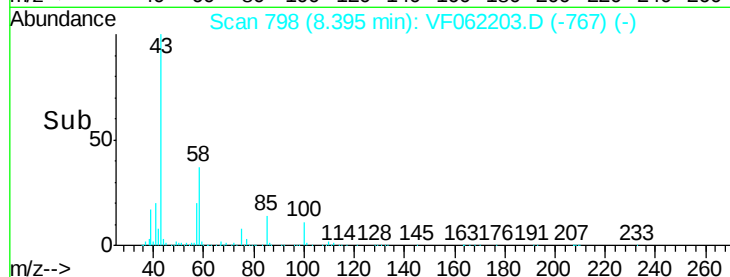
50000

0

8.39

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 22.268 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF062203.D

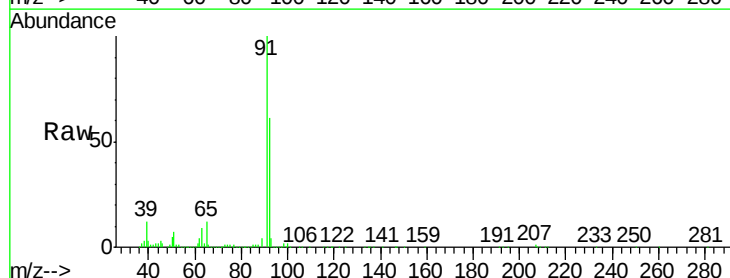
Acq: 18 Apr 2019 14:18

Tgt Ion: 92 Resp: 228560

Ion Ratio Lower Upper

92 100

91 167.6 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

150000

100000

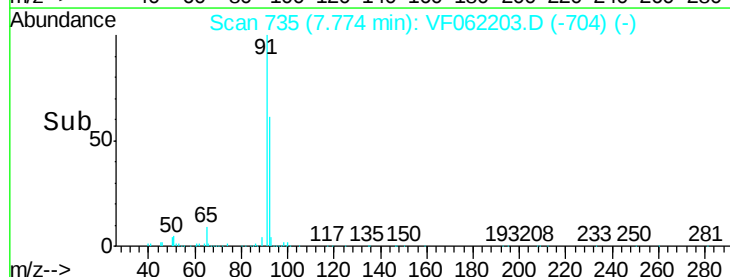
50000

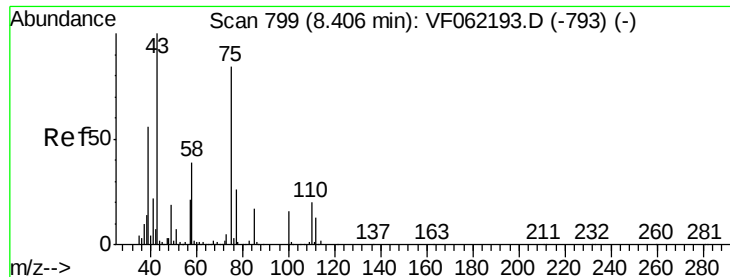
0

7.77

7.60 7.70 7.80 7.90 8.00

Time-->





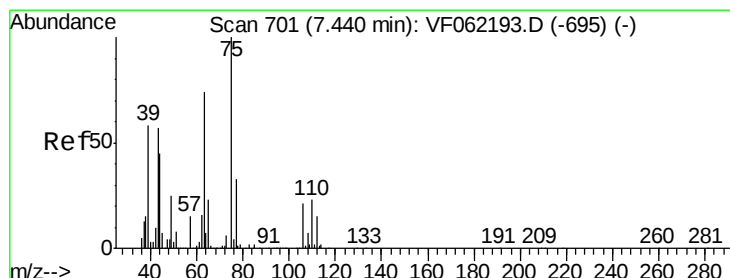
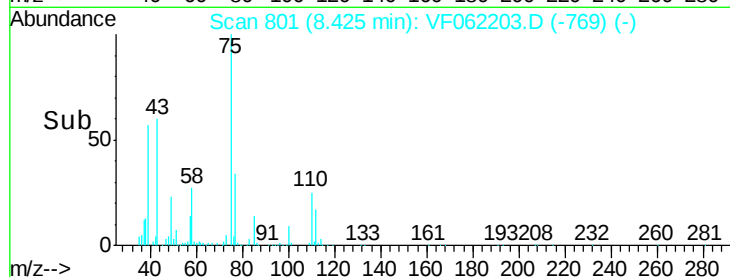
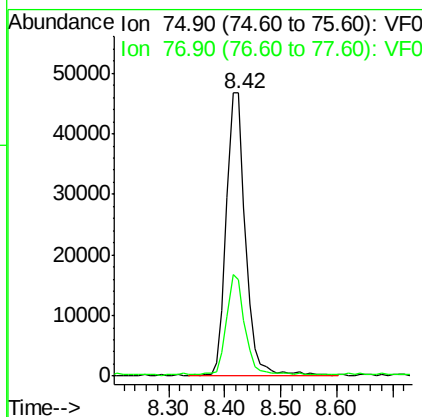
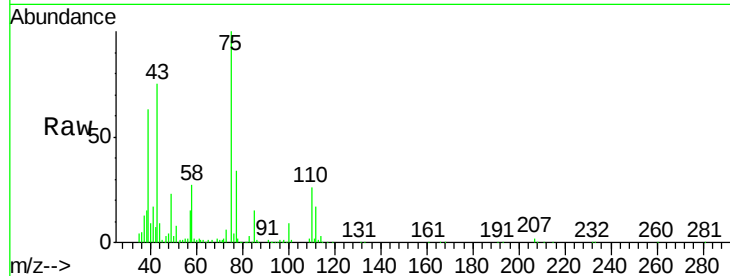
#53  
t-1,3-Dichloropropene  
Concen: 22.853 ug/l  
RT: 8.42 min Scan# 801  
Delta R.T. 0.02 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0418SBS01

Tot Ion: 75 Resp: 110535  
Ion Ratio Lower Upper  
75 100  
77 33.6 24.6 36.8

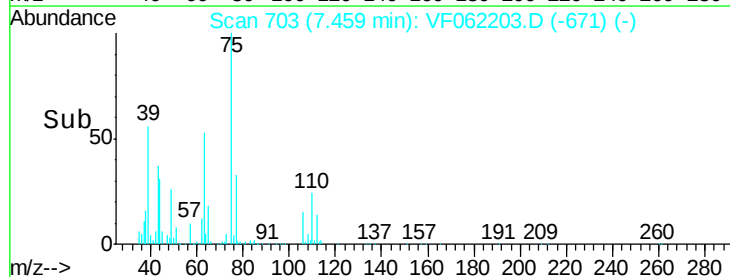
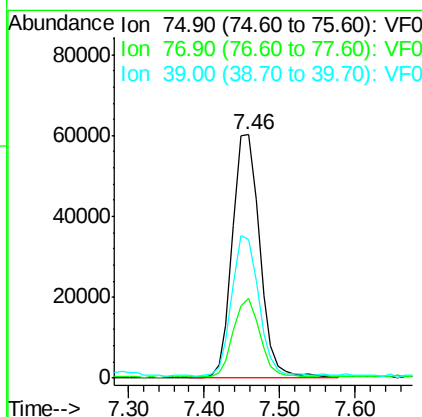
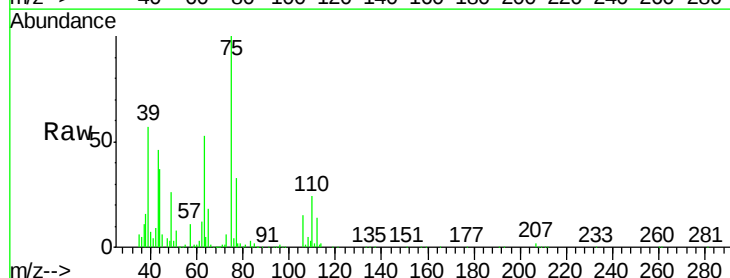
Manual Integrations  
APPROVED

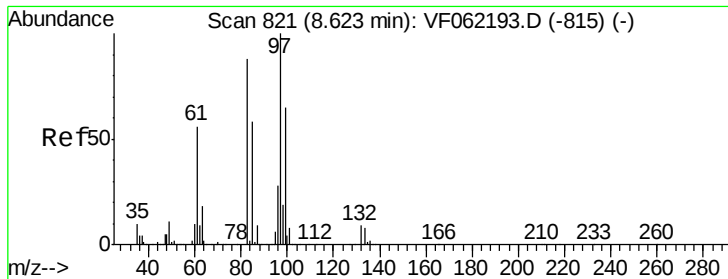
MMDadoda  
4/19/2019 10:52:13 AM



#54  
cis-1,3-Dichloropropene  
Concen: 23.243 ug/l  
RT: 7.46 min Scan# 703  
Delta R.T. 0.02 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

Tgt Ion: 75 Resp: 152063  
Ion Ratio Lower Upper  
75 100  
77 32.3 26.4 39.6  
39 56.1 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 23.424 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

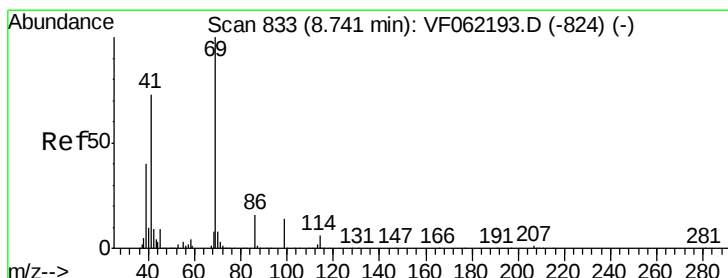
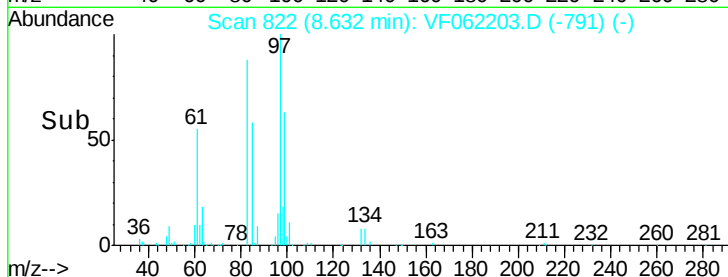
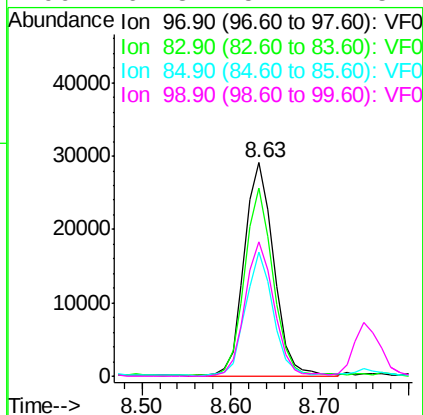
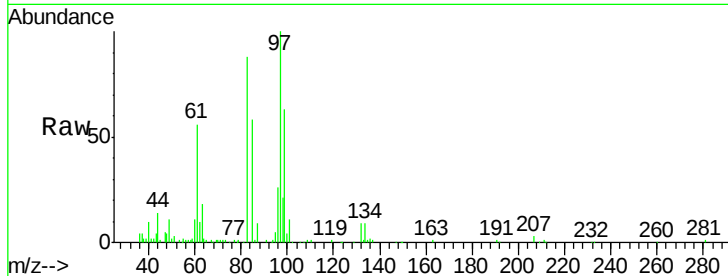
ClientSampleId :

VF0418SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 67354 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.7  | 70.2  | 105.2 |
| 85       | 57.8  | 46.2  | 69.4  |
| 99       | 62.8  | 52.2  | 78.4  |

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 10:52:13 AM



#56

Ethyl methacrylate

Concen: 21.902 ug/l

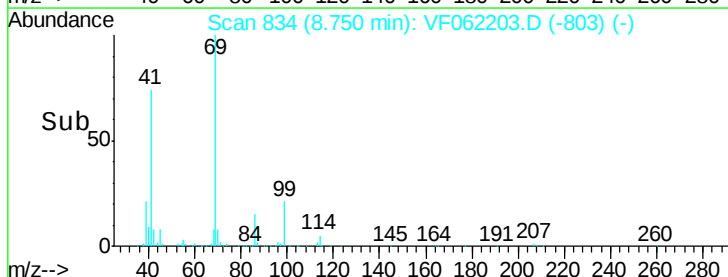
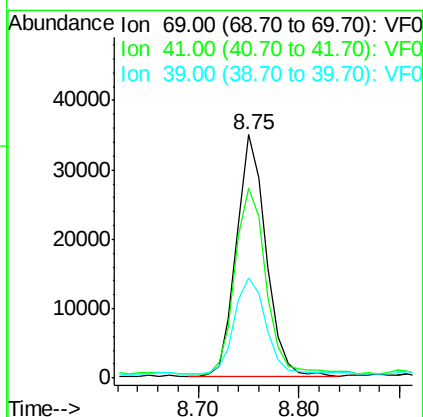
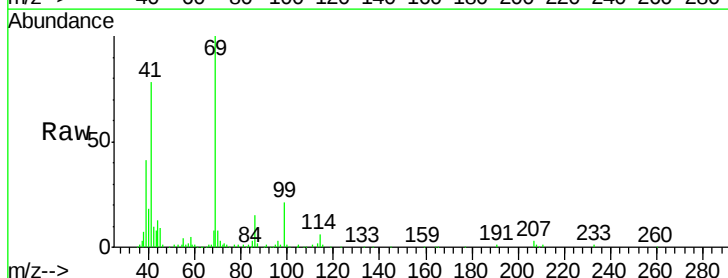
RT: 8.75 min Scan# 834

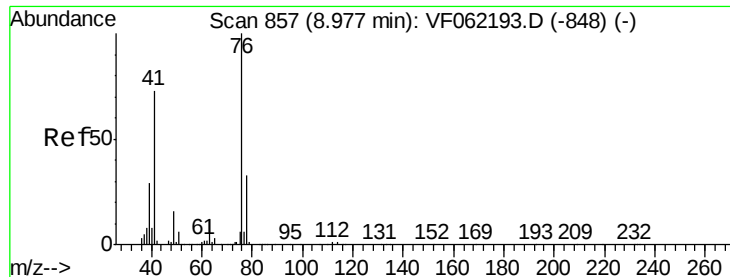
Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 71602 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 80.7  | 61.5  | 92.3  |
| 39       | 42.5  | 33.3  | 49.9  |





#57

1,3-Dichloropropane

Concen: 22.358 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

ClientSampleId :

VF0418SBS01

Tot Ion: 76 Resp: 103808

Ion Ratio Lower Upper

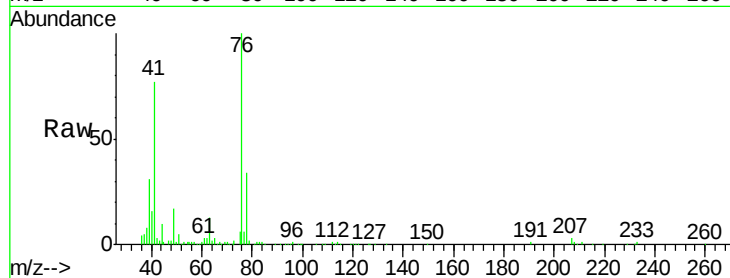
76 100

78 33.8 26.5 39.7

Manual Integrations  
APPROVED

MMDadoda

4/19/2019 10:52:13 AM



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0

8.99

40000

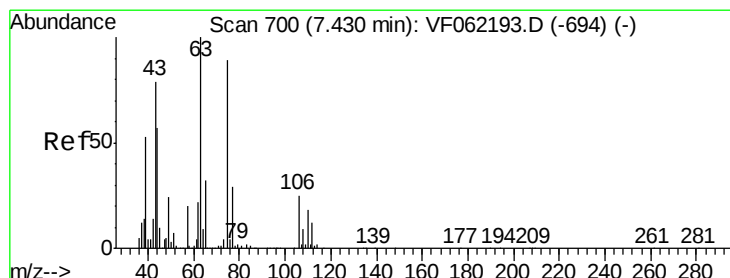
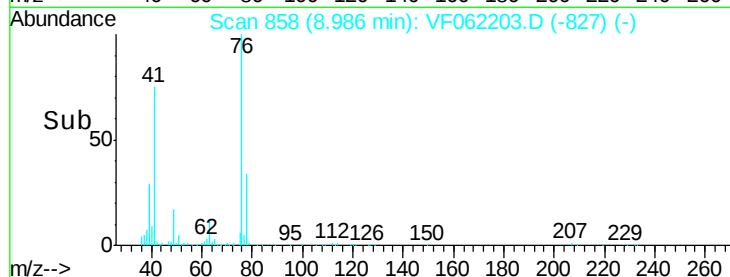
30000

20000

10000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 113.850 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.02 min

Lab File: VF062203.D

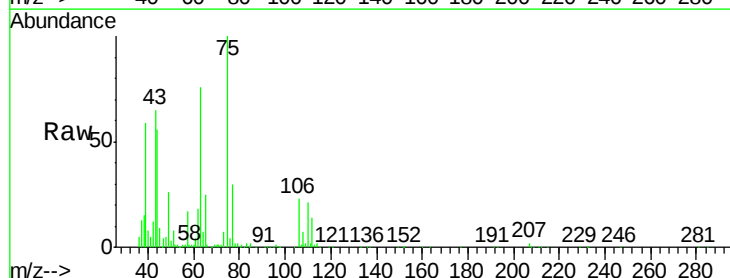
Acq: 18 Apr 2019 14:18

Tgt Ion: 63 Resp: 108060

Ion Ratio Lower Upper

63 100

106 27.5 21.4 32.0



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

7.45

50000

40000

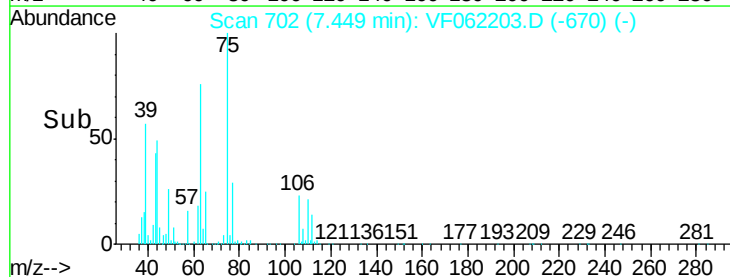
30000

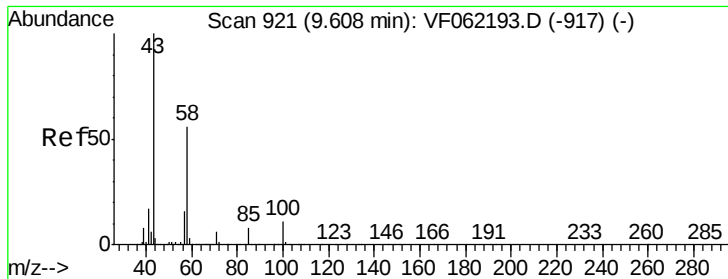
20000

10000

0

Time-->





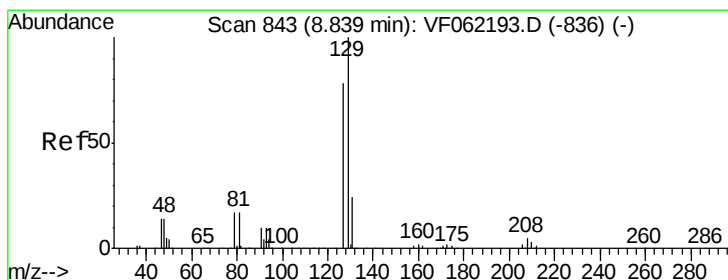
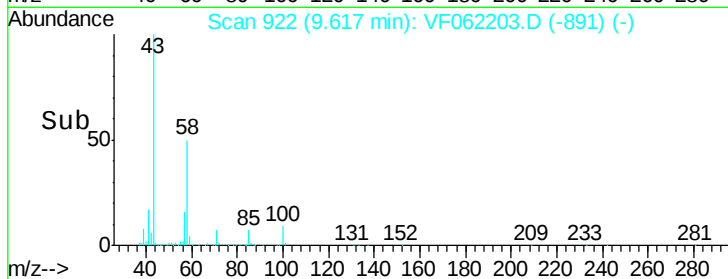
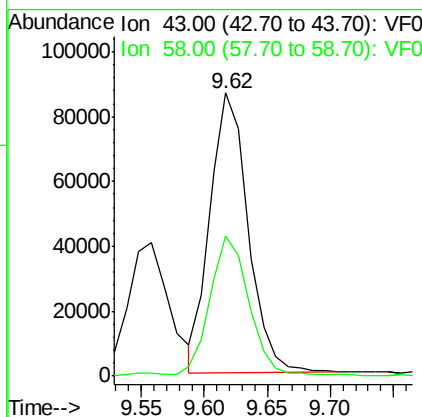
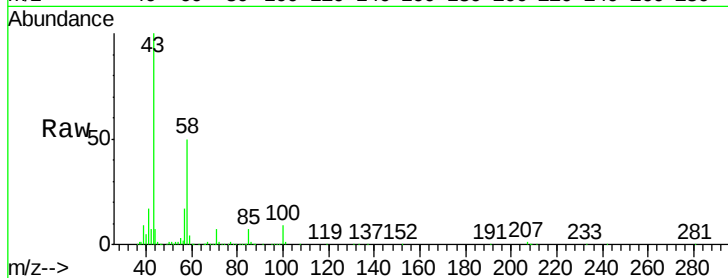
#59  
2-Hexanone  
Concen: 106.293 ug/l  
RT: 9.62 min Scan# 922  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0418SBS01

Tot Ion: 43 Resp: 181508  
Ion Ratio Lower Upper  
43 100  
58 51.6 24.6 74.0

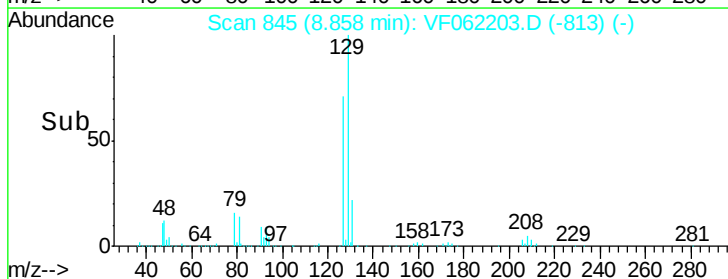
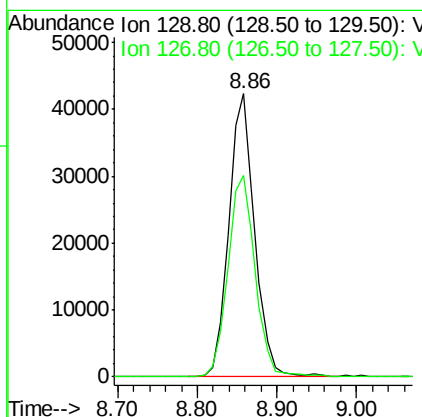
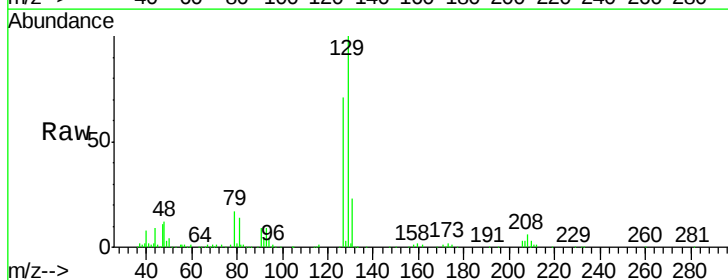
Manual Integrations  
APPROVED

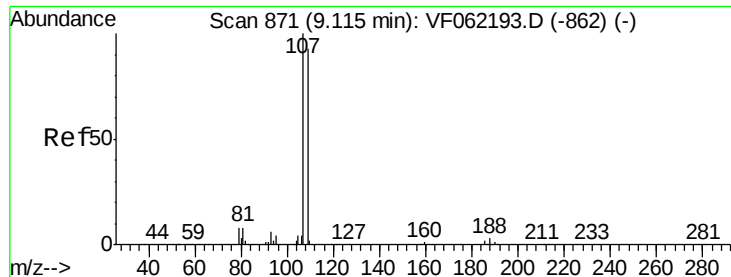
MMDadoda  
4/19/2019 10:52:13 AM



#60  
Dibromochloromethane  
Concen: 22.489 ug/l  
RT: 8.86 min Scan# 845  
Delta R.T. 0.02 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

Tgt Ion: 129 Resp: 96170  
Ion Ratio Lower Upper  
129 100  
127 75.3 39.0 117.0





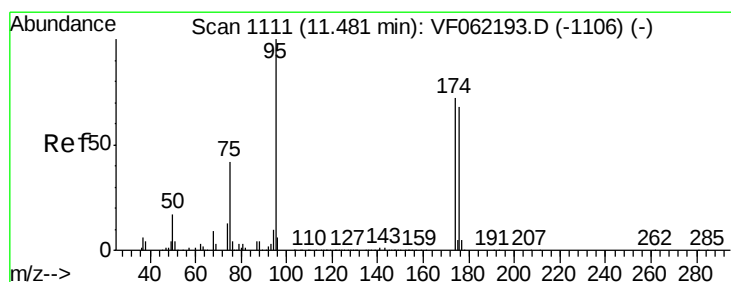
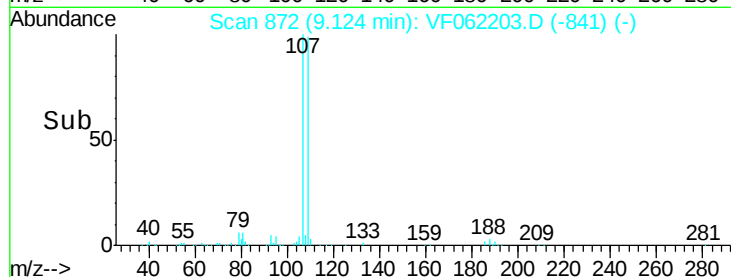
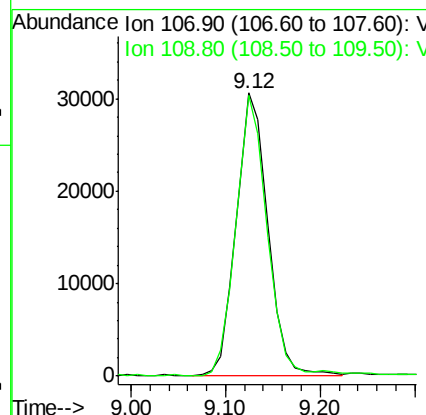
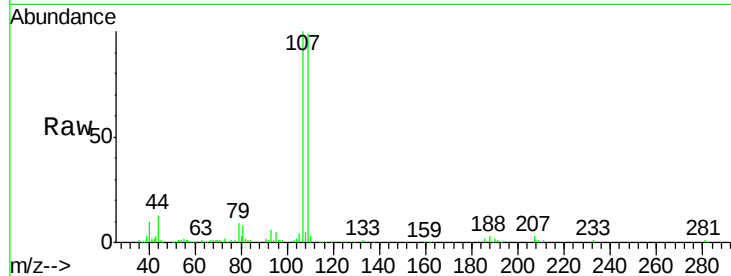
#61  
 1,2-Dibromoethane  
 Concen: 21.980 ug/l  
 RT: 9.12 min Scan# 872  
 Delta R.T. 0.01 min  
 Lab File: VF062203.D  
 Acq: 18 Apr 2019 14:18

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0418SBS01

Tot Ion: 107 Resp: 71202  
 Ion Ratio Lower Upper  
 107 100  
 109 99.4 74.3 111.5

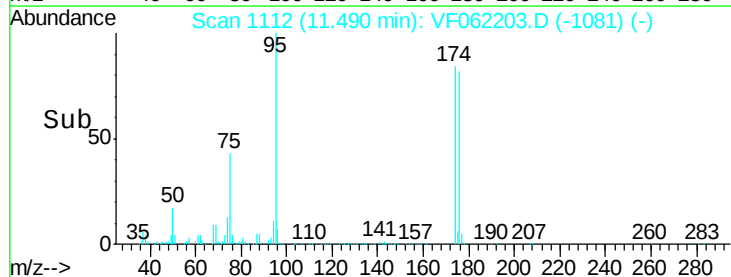
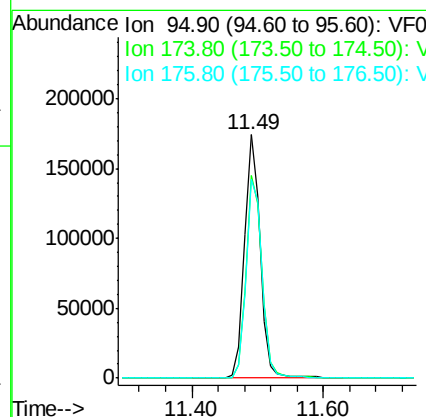
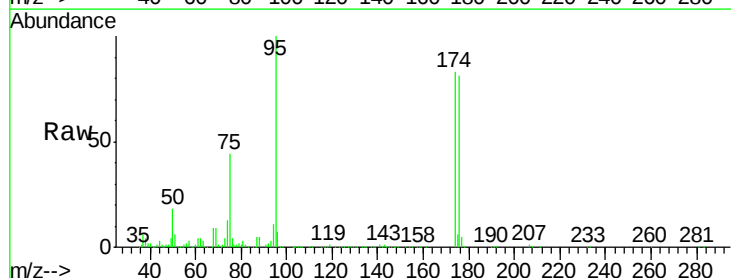
Manual Integrations  
 APPROVED

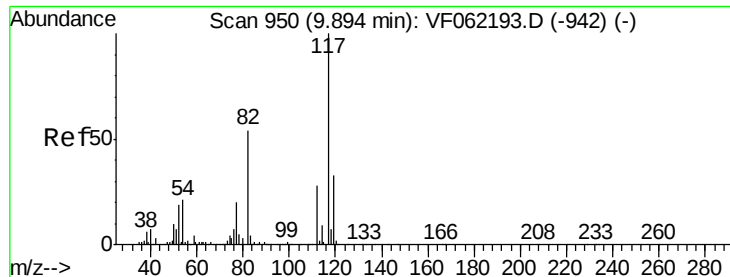
MMDadoda  
 4/19/2019 10:52:13 AM



#62  
 4-Bromofluorobenzene  
 Concen: 55.580 ug/l  
 RT: 11.49 min Scan# 1112  
 Delta R.T. 0.01 min  
 Lab File: VF062203.D  
 Acq: 18 Apr 2019 14:18

Tgt Ion: 95 Resp: 293141  
 Ion Ratio Lower Upper  
 95 100  
 174 84.2 0.0 159.4  
 176 83.6 0.0 155.4





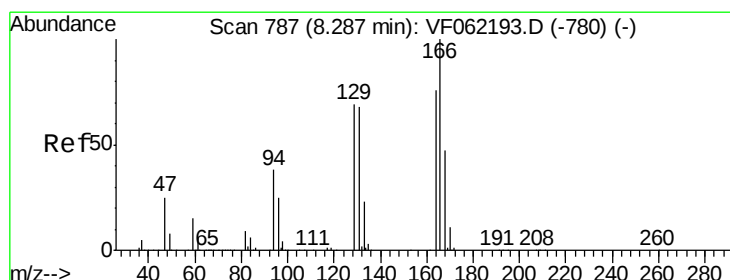
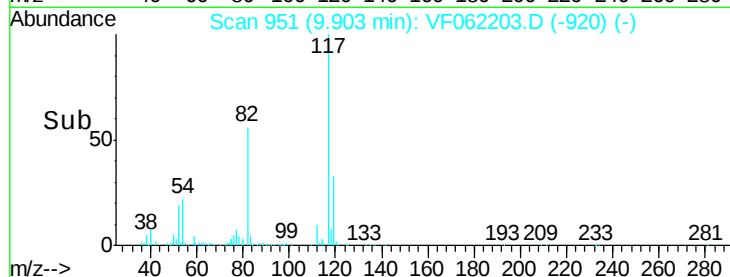
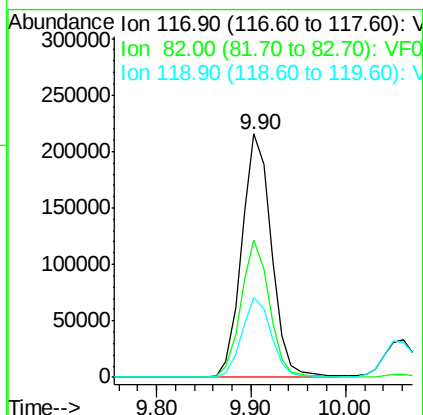
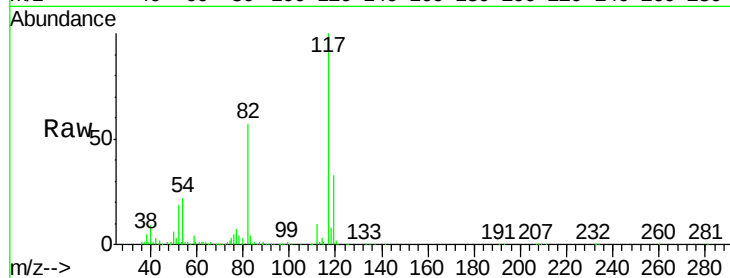
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.90 min Scan# 951  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0418SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 468772 |       |       |
| 82      | 56.5  |        | 43.2  | 64.8  |
| 119     | 32.8  |        | 26.2  | 39.4  |

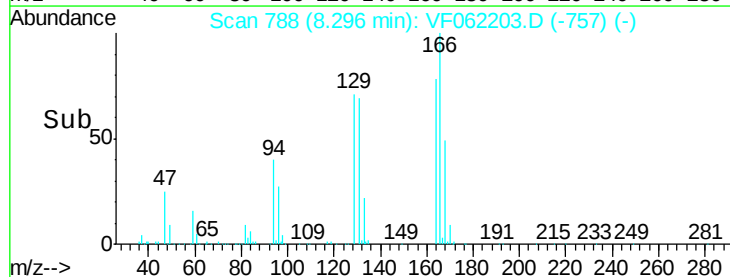
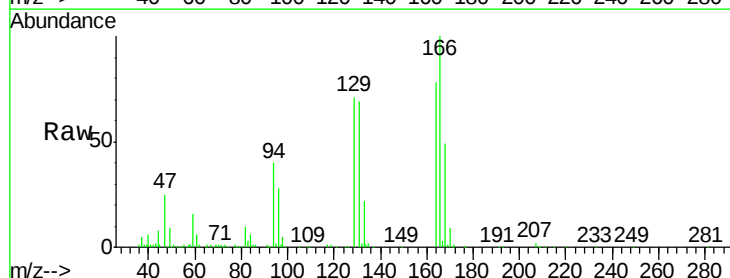
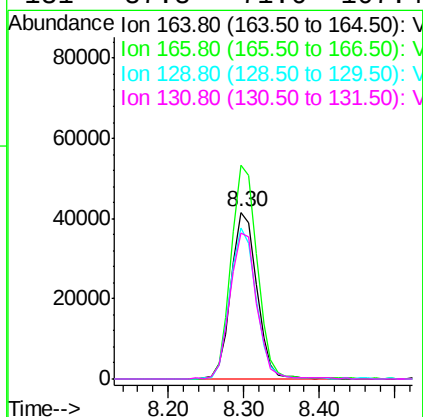
Manual Integrations  
APPROVED

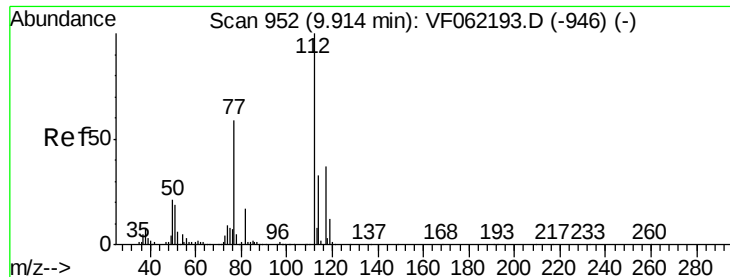
MMDadoda  
4/19/2019 10:52:13 AM



#64  
Tetrachloroethene  
Concen: 23.215 ug/l  
RT: 8.30 min Scan# 788  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 98240 |       |       |
| 166     | 128.0 |       | 104.7 | 157.1 |
| 129     | 90.7  |       | 72.6  | 109.0 |
| 131     | 87.8  |       | 71.6  | 107.4 |





#65

Chlorobenzene

Concen: 22.871 ug/l

RT: 9.93 min Scan# 954

Delta R.T. 0.02 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

ClientSampleId :

VF0418SBS01

Tot Ion:112 Resp: 228612

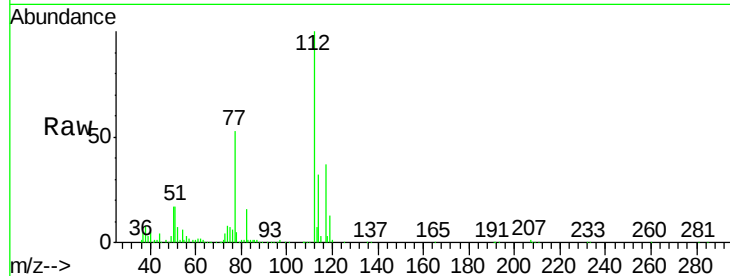
Ion Ratio Lower Upper

112 100

114 31.9 26.1 39.1

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 10:52:13 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.93

100000

80000

60000

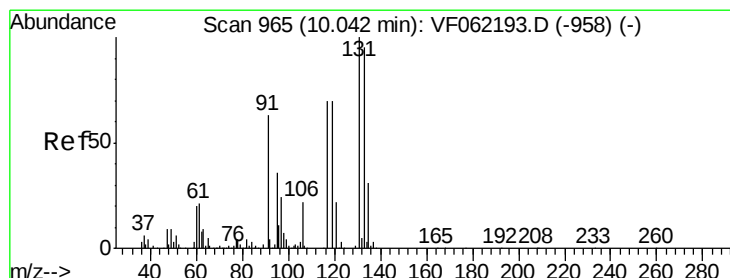
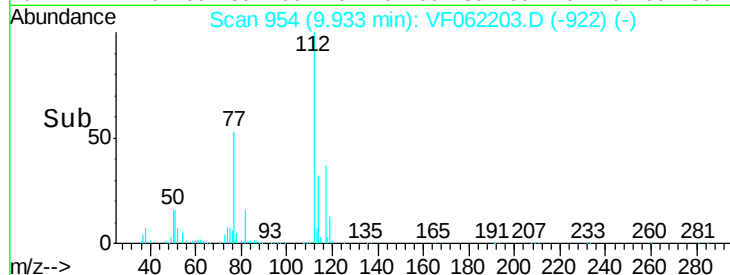
40000

20000

0

9.80 9.90 10.00 10.10

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 23.483 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

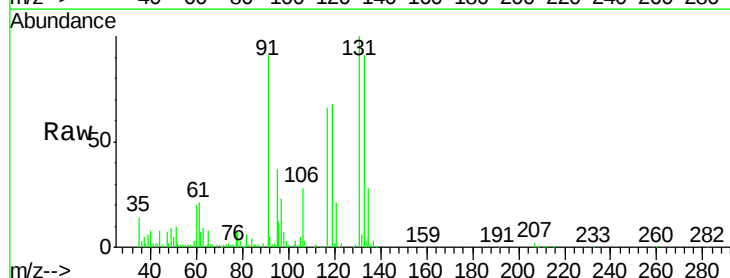
Tgt Ion:131 Resp: 109921

Ion Ratio Lower Upper

131 100

133 94.4 47.7 143.1

119 68.6 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

80000

60000

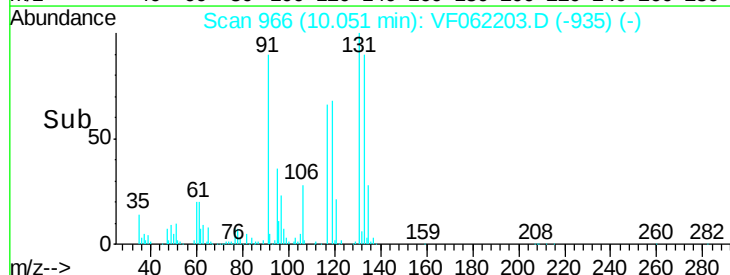
40000

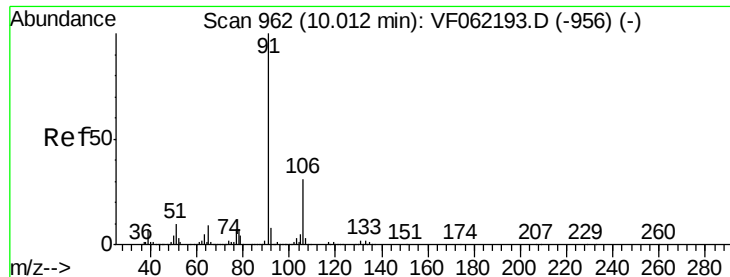
20000

0

10.00 10.10 10.20

Time-->





#67

Ethyl Benzene

Concen: 23.433 ug/l

RT: 10.02 min Scan# 963

Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

ClientSampleId :

VF0418SBS01

Tot Ion: 91 Resp: 425918

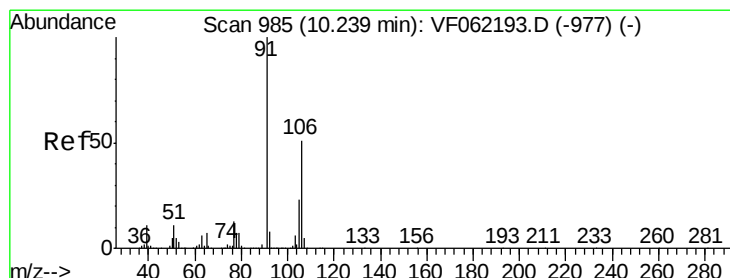
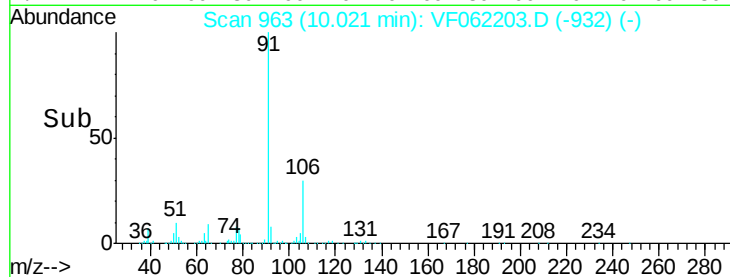
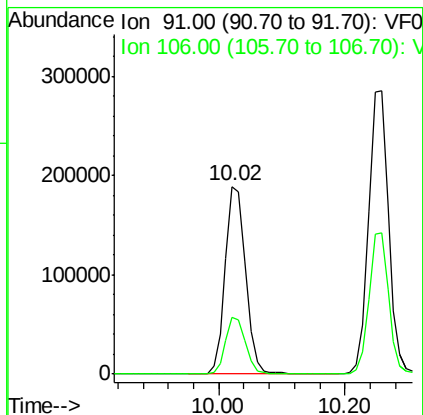
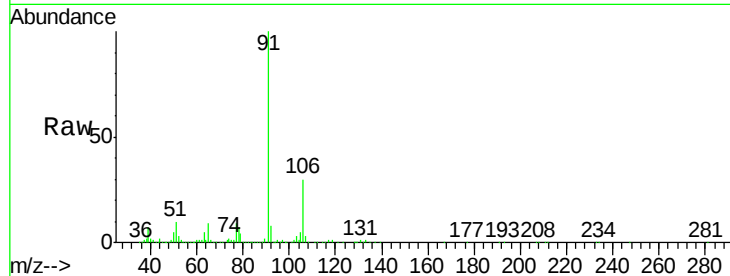
Ion Ratio Lower Upper

91 100

106 30.1 24.9 37.3

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 10:52:13 AM



#68

m/p-Xylenes

Concen: 46.144 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.02 min

Lab File: VF062203.D

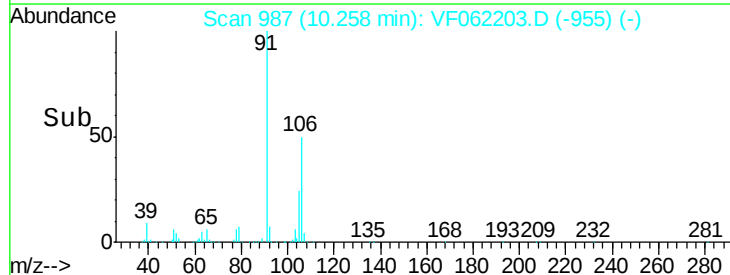
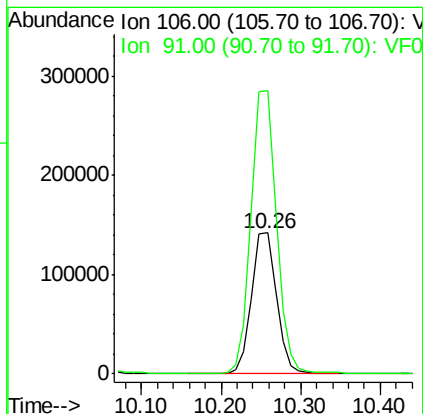
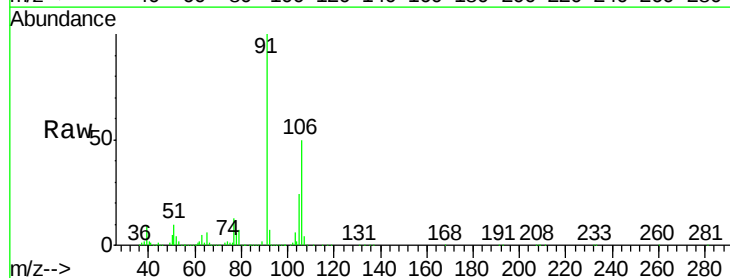
Acq: 18 Apr 2019 14:18

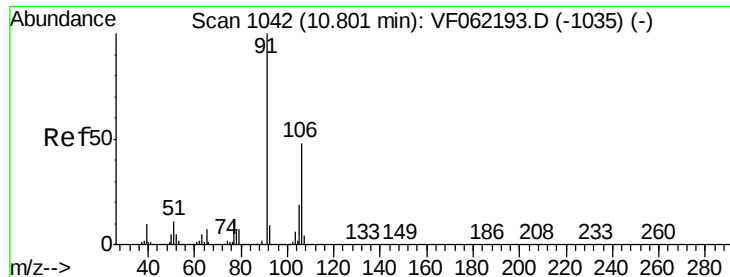
Tgt Ion: 106 Resp: 308747

Ion Ratio Lower Upper

106 100

91 203.4 159.1 238.7





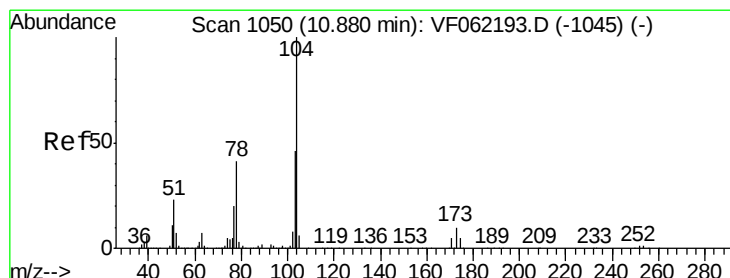
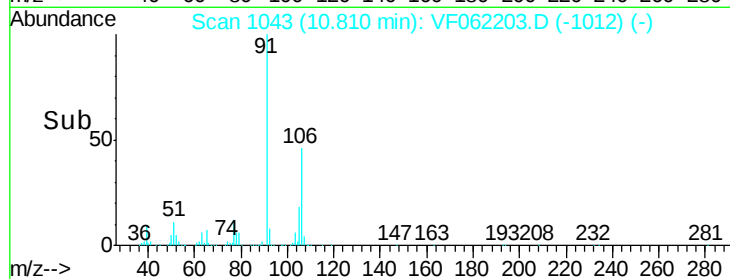
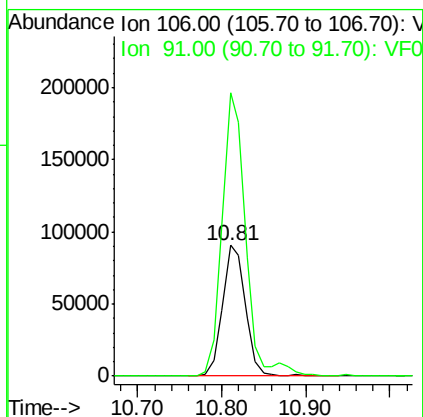
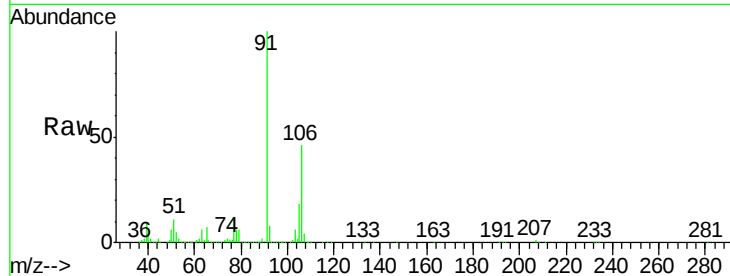
#69  
o-Xylene  
Concen: 23.027 ug/l  
RT: 10.81 min Scan# 1043  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0418SBS01

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 106   | 100   |       |       |
| 91      | 213.7 | 107.5 | 322.4 |       |

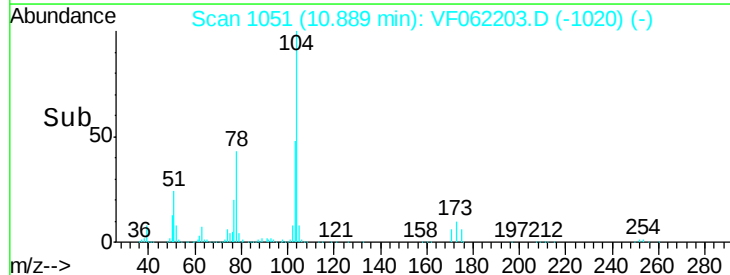
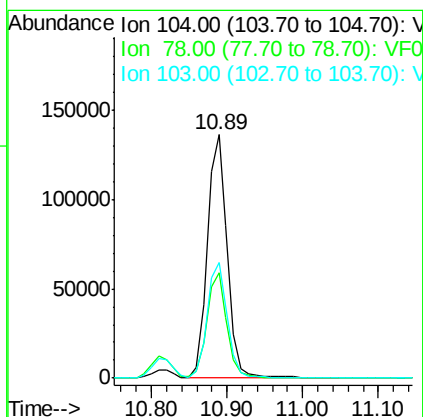
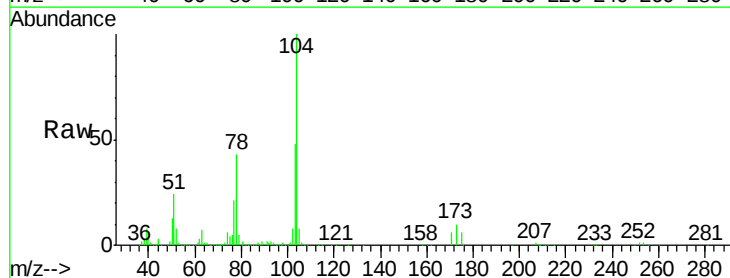
Manual Integrations  
APPROVED

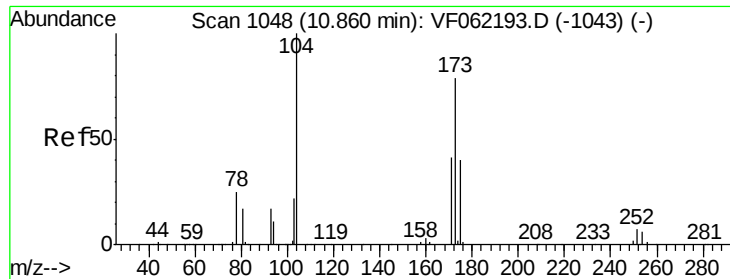
MMDadoda  
4/19/2019 10:52:13 AM



#70  
Styrene  
Concen: 23.900 ug/l  
RT: 10.89 min Scan# 1051  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 104     | 104  | 100   |       |       |
| 78      | 43.0 | 34.5  | 51.7  |       |
| 103     | 48.5 | 37.2  | 55.8  |       |





#71

Bromoform

Concen: 23.471 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.02 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

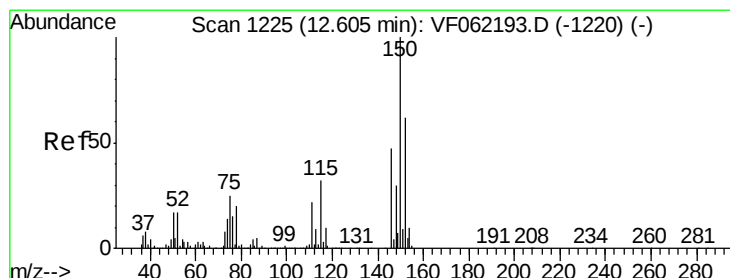
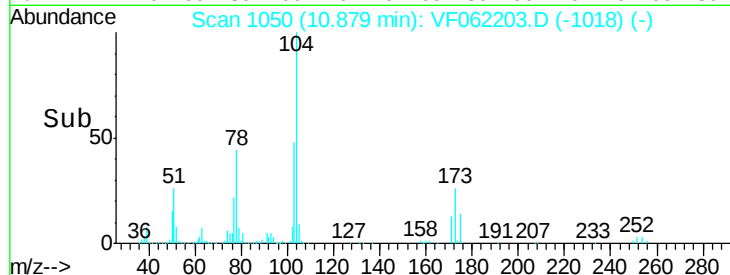
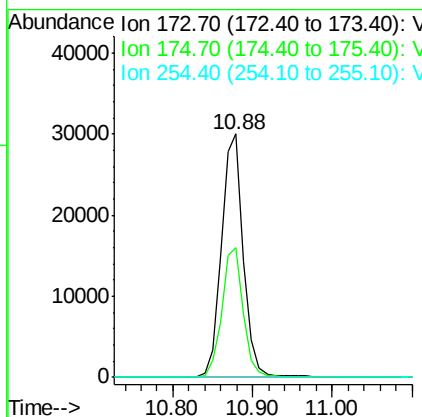
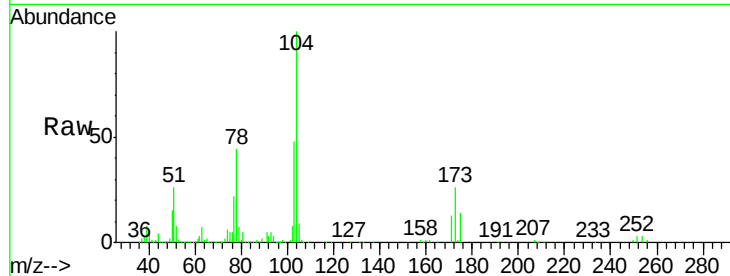
ClientSampleId :

VF0418SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 52.0  | 24.5  | 73.5  |
| 254     | 0.0   | 0.1   | 0.1#  |

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 10:52:13 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

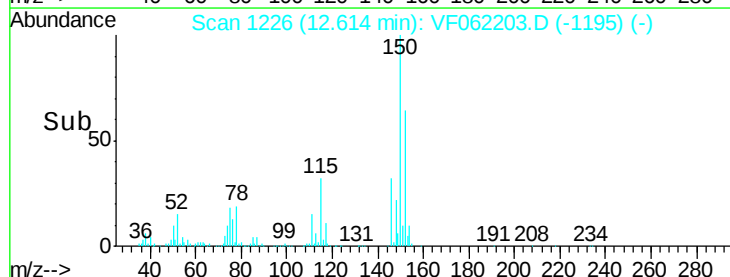
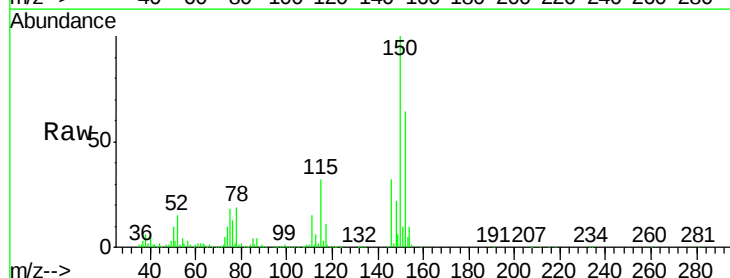
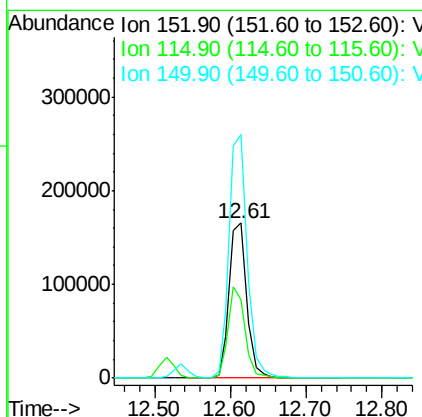
RT: 12.61 min Scan# 1226

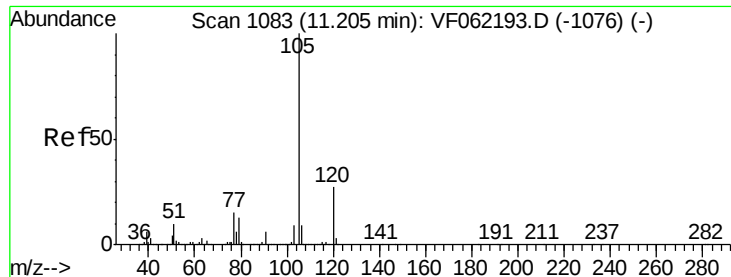
Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.7  | 27.8  | 83.3  |
| 150     | 161.1 | 0.0   | 341.8 |





#73

Isopropylbenzene

Concen: 21.785 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

ClientSampleId :

VF0418SBS01

Tot Ion:105 Resp: 499287

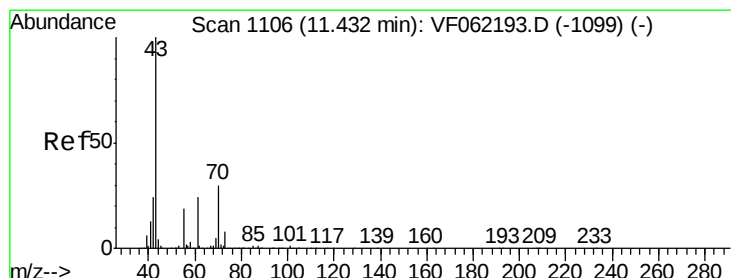
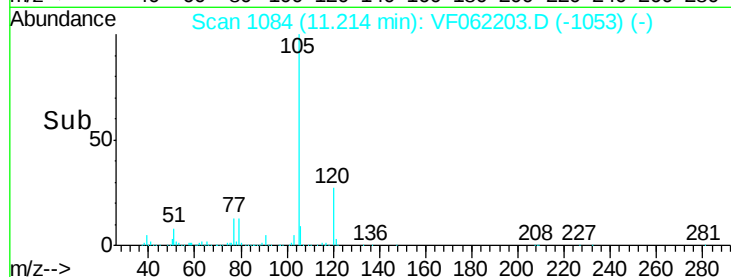
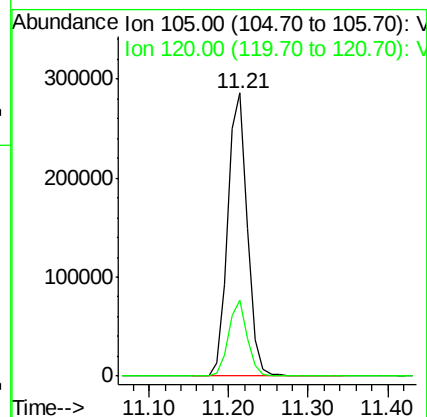
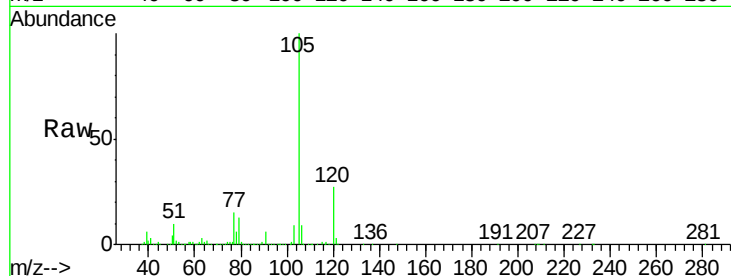
Ion Ratio Lower Upper

105 100

120 25.5 13.0 38.9

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 10:52:13 AM



#74

N-ethyl acetate

Concen: 22.108 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Tgt Ion: 43 Resp: 126885

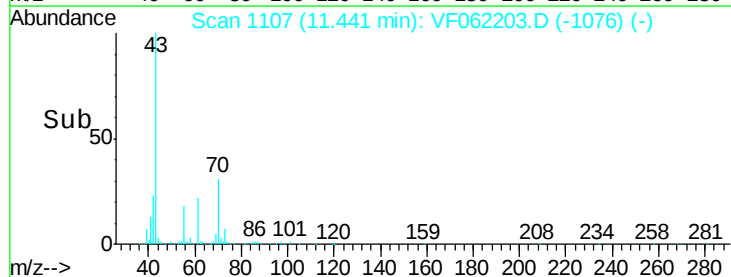
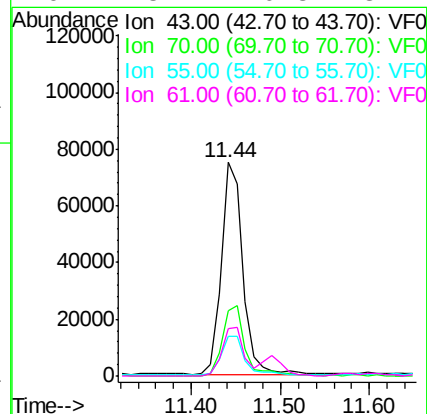
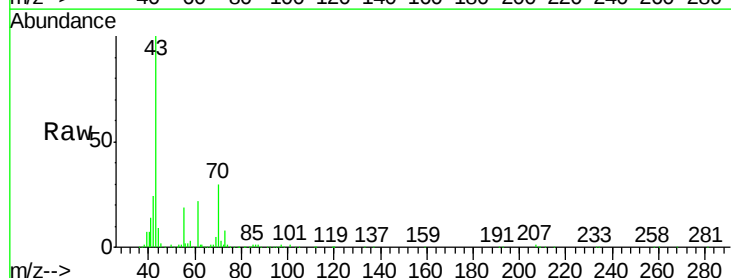
Ion Ratio Lower Upper

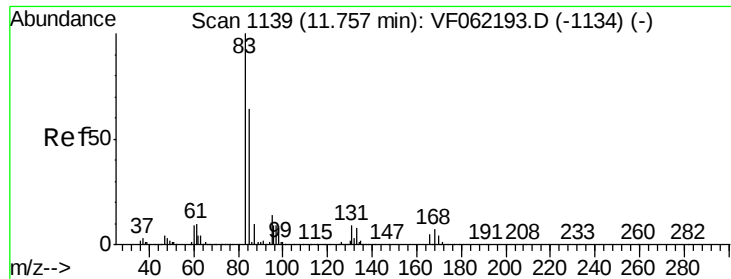
43 100

70 34.3 27.0 40.4

55 21.3 15.7 23.5

61 23.4 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.484 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

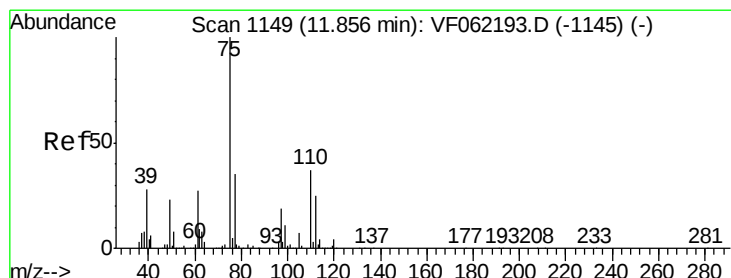
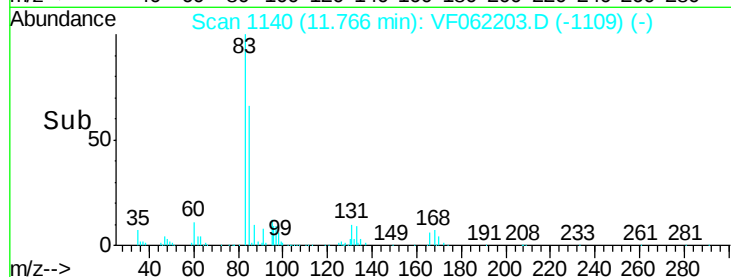
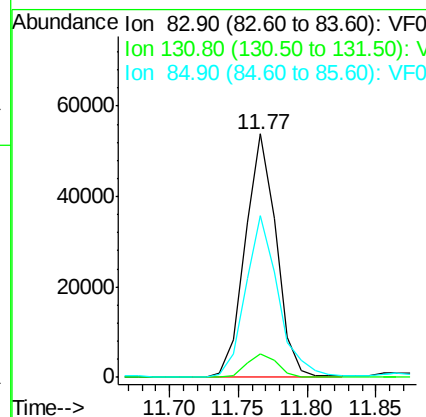
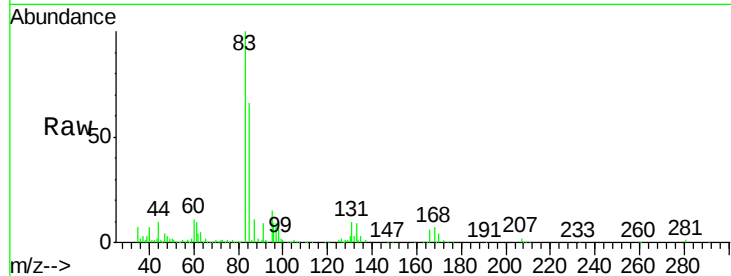
ClientSampleId :

VF0418SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 84680 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.6   | 4.5   | 13.5  |
| 85        | 69.7  | 34.7  | 104.1 |

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 10:52:13 AM



#76

1,2,3-Trichloropropane

Concen: 21.083 ug/l m

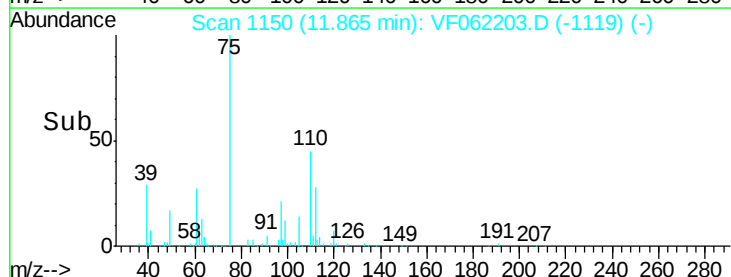
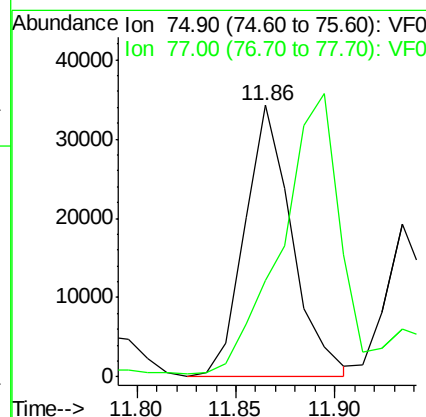
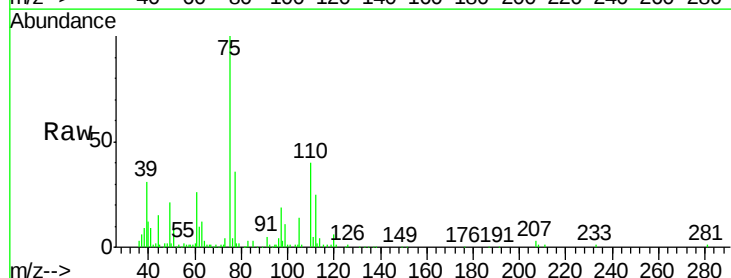
RT: 11.86 min Scan# 1150

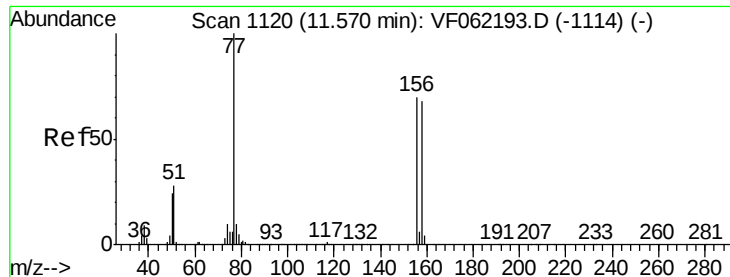
Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 57172 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 13.8  | 7.4   | 22.2  |





#77

Bromobenzene

Concen: 22.049 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

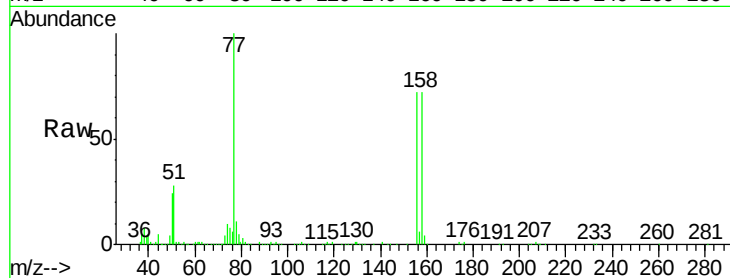
ClientSampleId :

VF0418SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 108255 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 155.6 | 80.9  | 242.7  |
| 158       | 98.9  | 49.8  | 149.4  |

Manual Integrations  
APPROVED

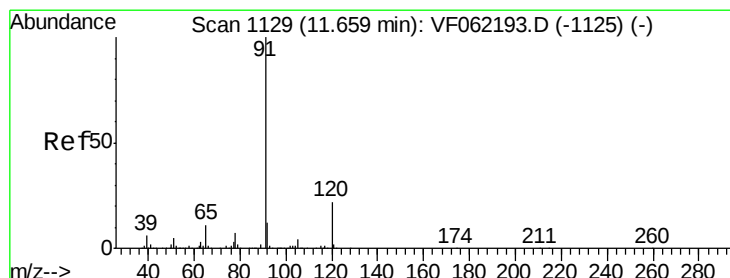
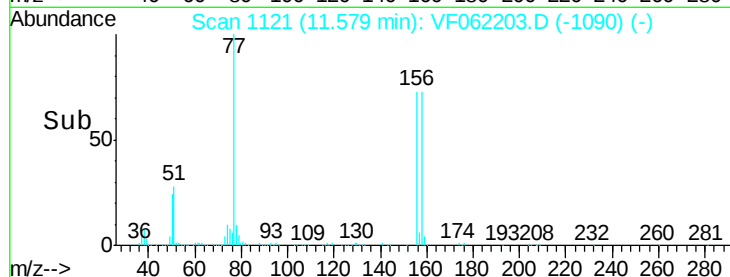
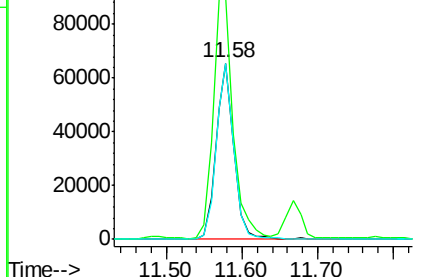
MMDadoda  
4/19/2019 10:52:13 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.077 ug/l

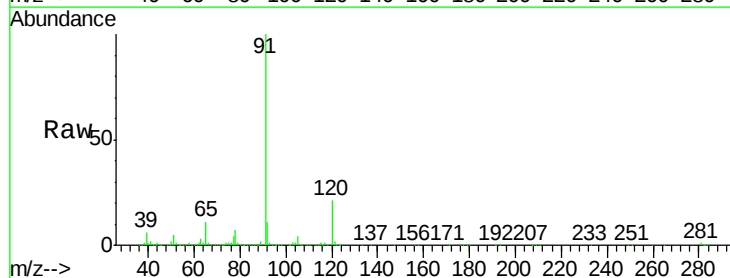
RT: 11.67 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF062203.D

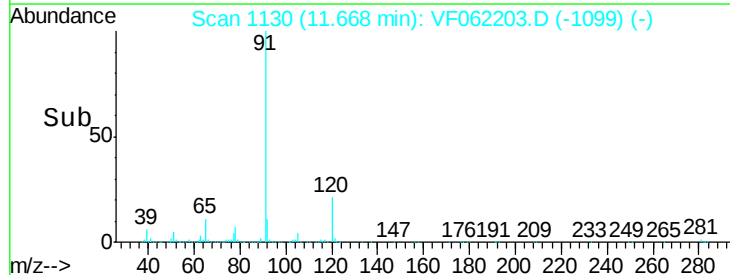
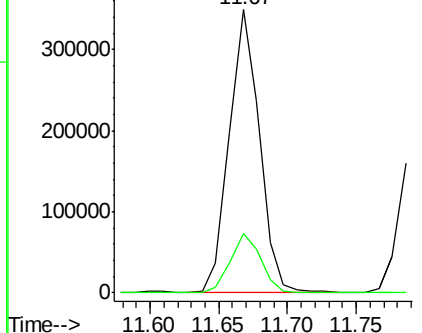
Acq: 18 Apr 2019 14:18

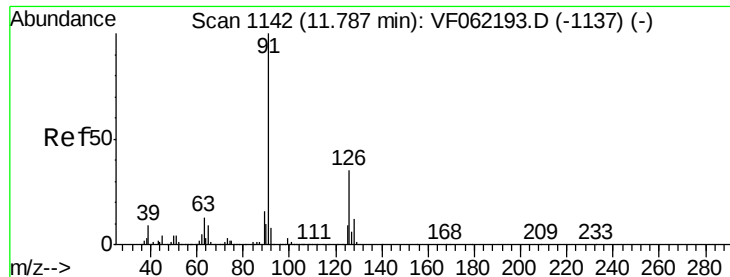
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 533754 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 21.4  | 11.2  | 33.6   |



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.862 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

ClientSampleId :

VF0418SBS01

Tot Ion: 91 Resp: 320625

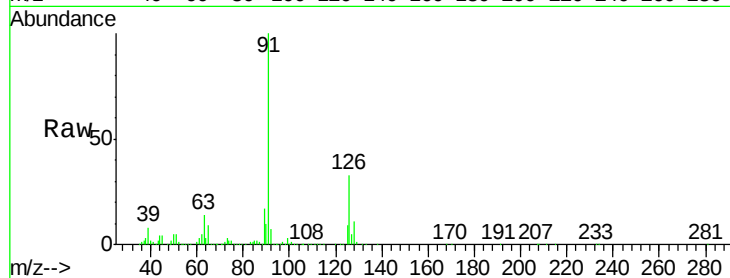
Ion Ratio Lower Upper

91 100

126 33.5 16.9 50.6

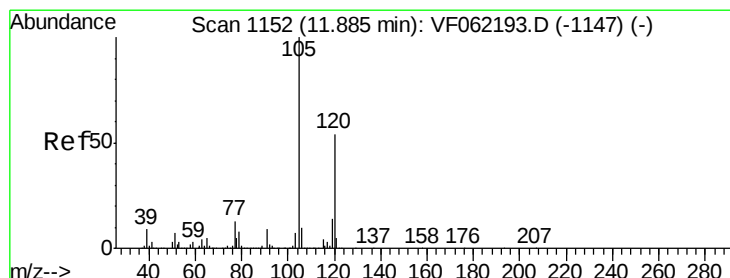
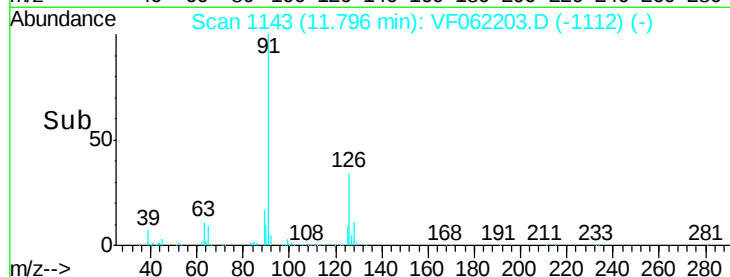
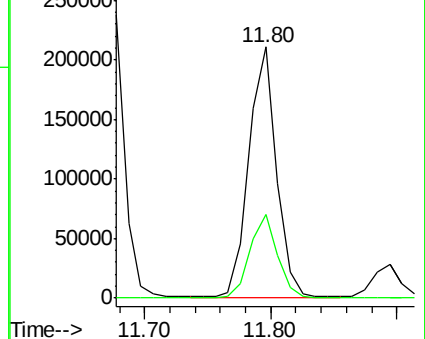
Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 10:52:13 AM



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.937 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062203.D

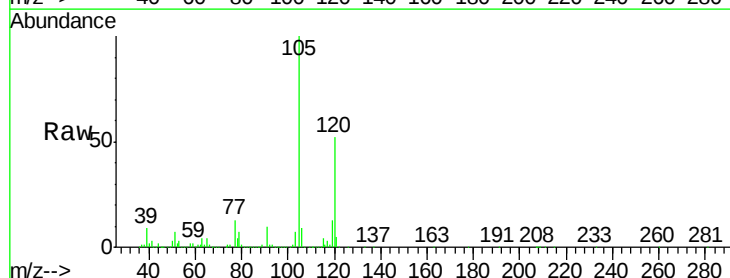
Acq: 18 Apr 2019 14:18

Tgt Ion: 105 Resp: 418744

Ion Ratio Lower Upper

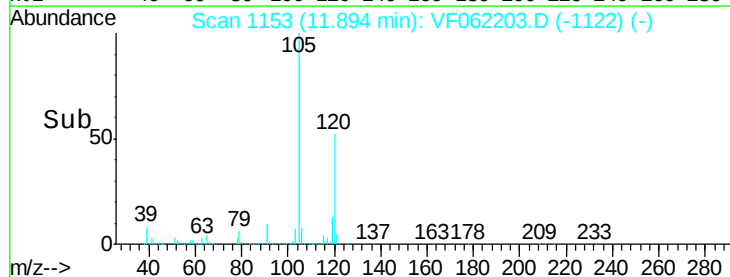
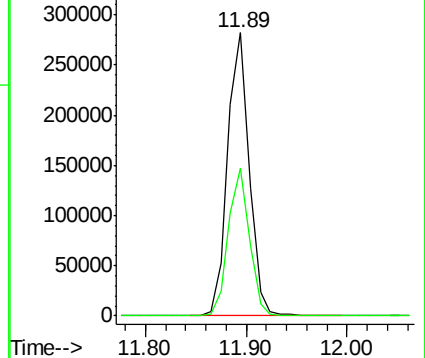
105 100

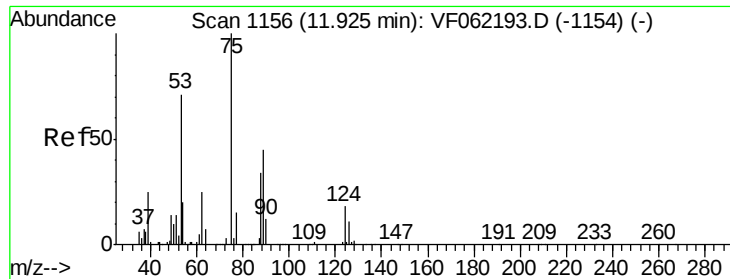
120 51.4 26.2 78.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.657 ug/l m

RT: 11.93 min Scan# 1157

Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

ClientSampleId :

VF0418SBS01

Tot Ion: 75 Resp: 28568

Ion Ratio Lower Upper

75 100

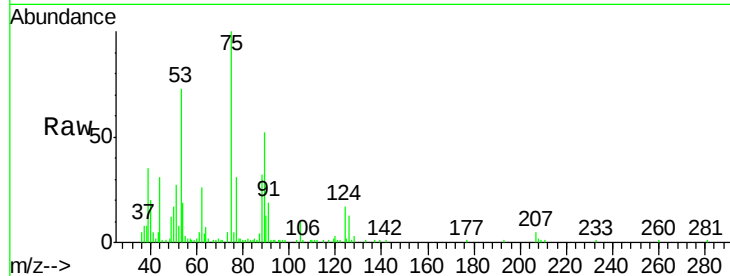
53 72.3 50.2 75.4

89 0.0 0.0 0.0

Manual Integrations  
APPROVED

MMDadoda

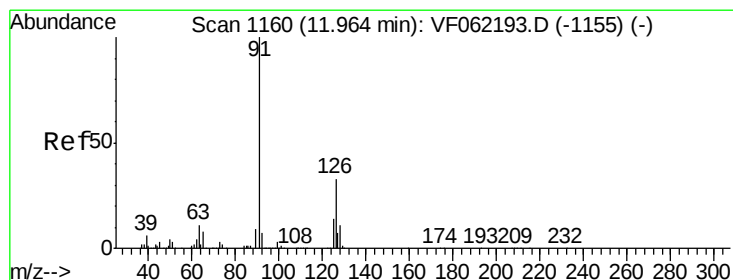
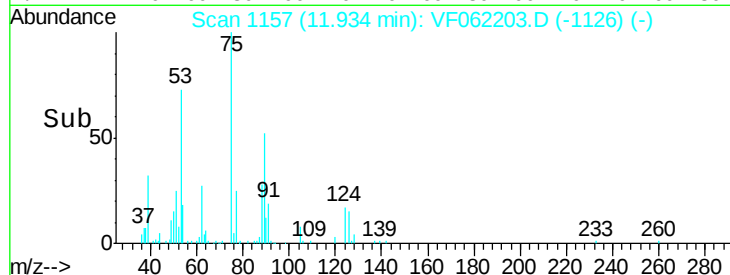
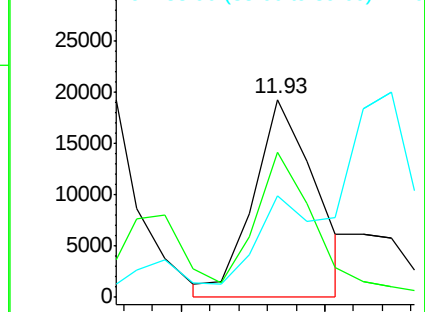
4/19/2019 10:52:13 AM



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 22.206 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF062203.D

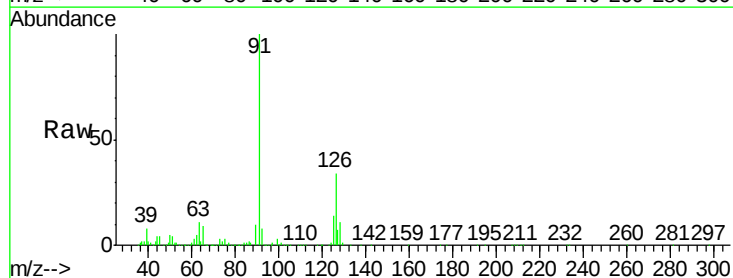
Acq: 18 Apr 2019 14:18

Tgt Ion: 91 Resp: 314742

Ion Ratio Lower Upper

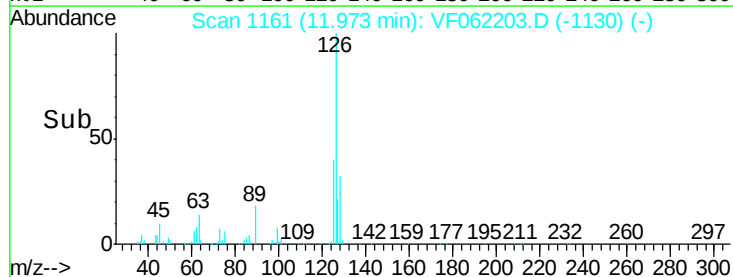
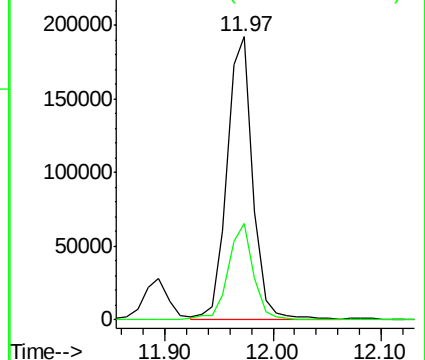
91 100

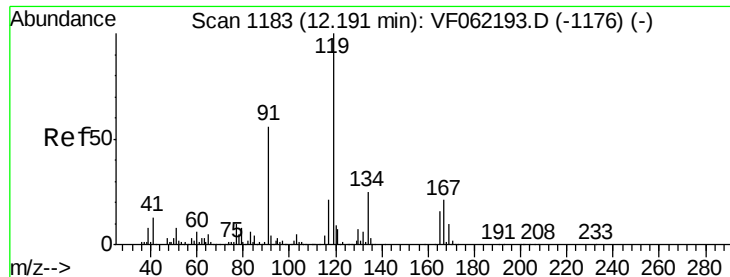
126 33.7 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





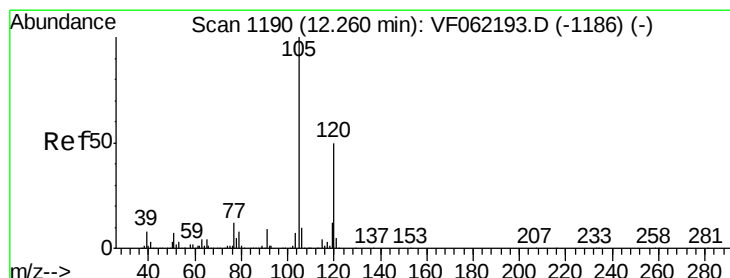
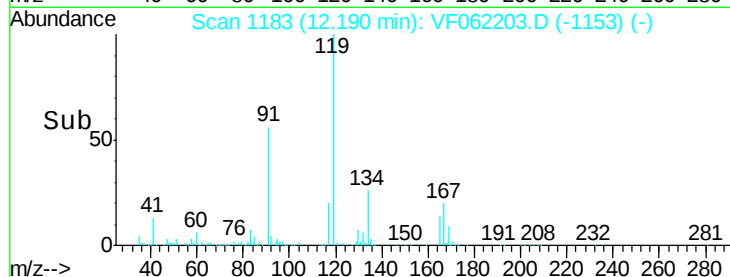
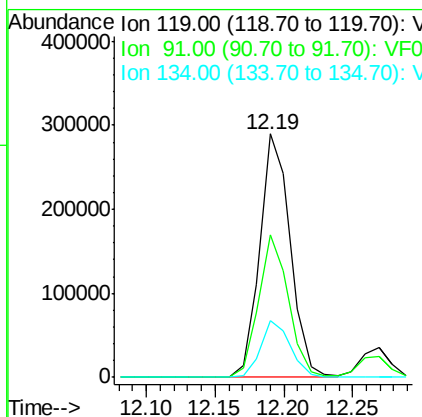
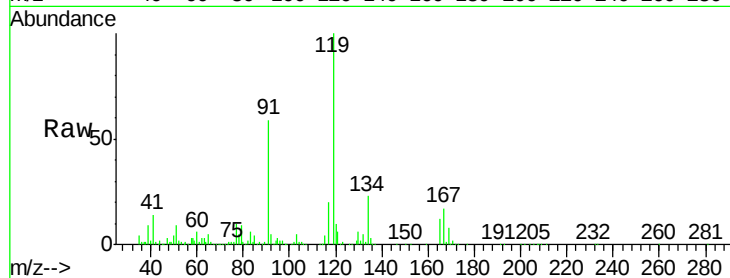
#83  
tert-Butylbenzene  
Concen: 22.634 ug/l  
RT: 12.19 min Scan# 1183  
Delta R.T. -0.00 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0418SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 446796 |       |       |
| 91      | 57.2  | 29.4   | 88.2  |       |
| 134     | 22.9  | 11.8   | 35.3  |       |

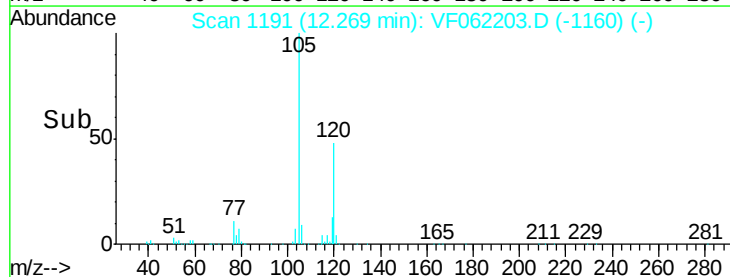
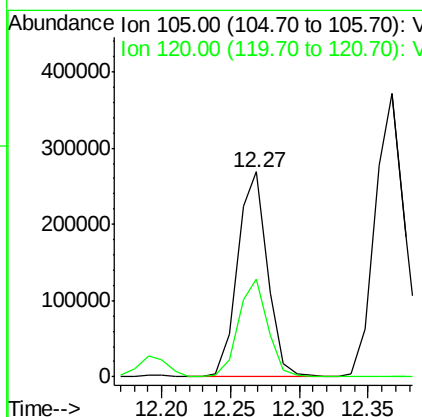
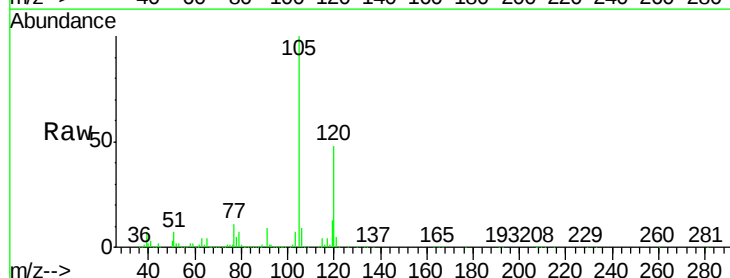
Manual Integrations  
APPROVED

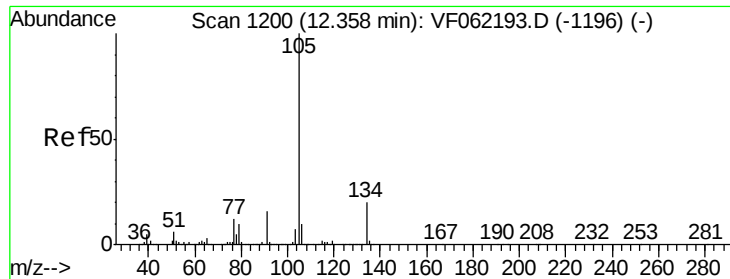
MMDadoda  
4/19/2019 10:52:13 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 21.985 ug/l  
RT: 12.27 min Scan# 1191  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 406110 |       |       |
| 120     | 46.7  | 24.0   | 72.0  |       |





#85

sec-Butylbenzene

Concen: 21.693 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

ClientSampleId :

VF0418SBS01

Tot Ion:105 Resp: 555933

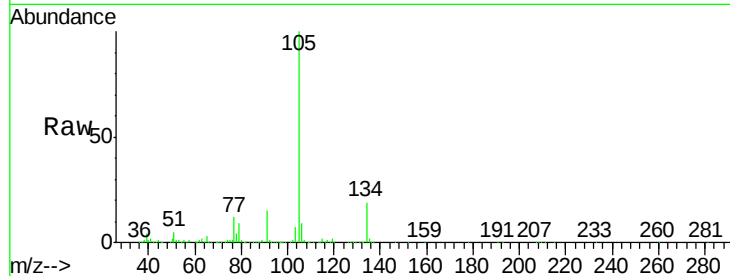
Ion Ratio Lower Upper

105 100

134 18.6 9.7 29.1

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 10:52:13 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.37

400000

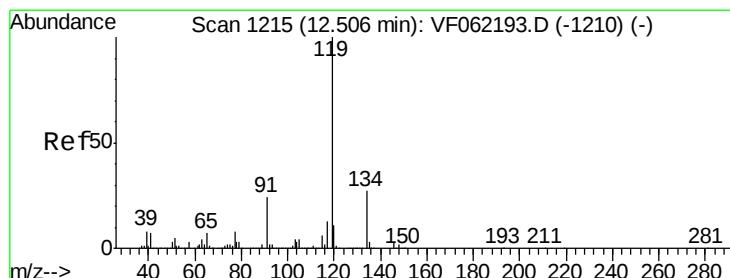
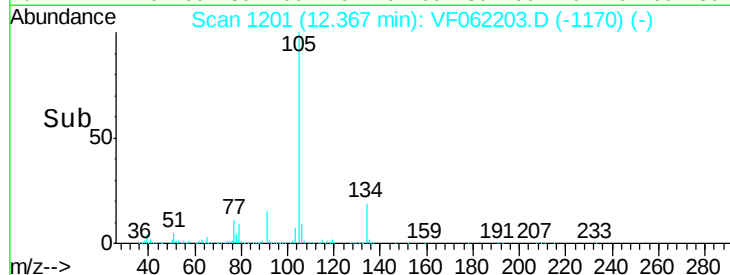
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.362 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

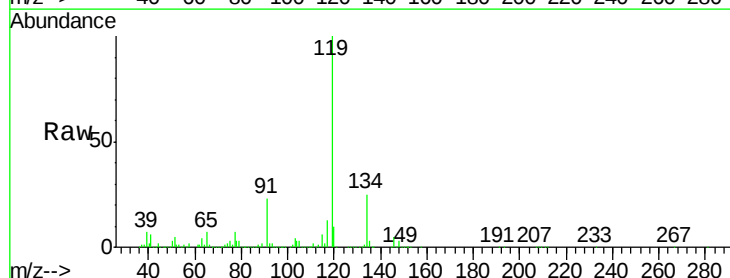
Tgt Ion:119 Resp: 486129

Ion Ratio Lower Upper

119 100

134 25.2 13.2 39.5

91 23.0 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.52

400000

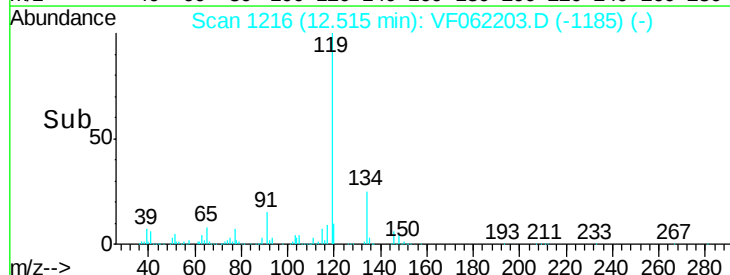
300000

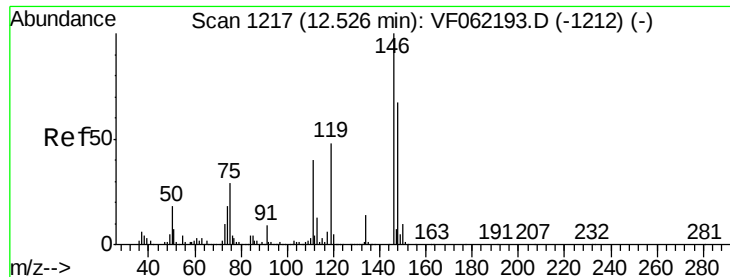
200000

100000

0

Time-->





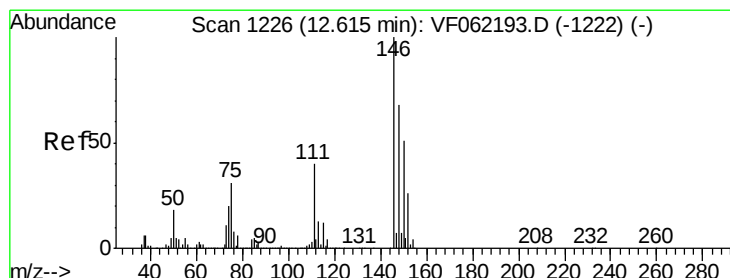
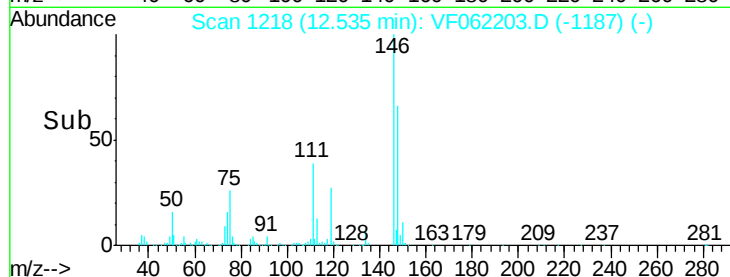
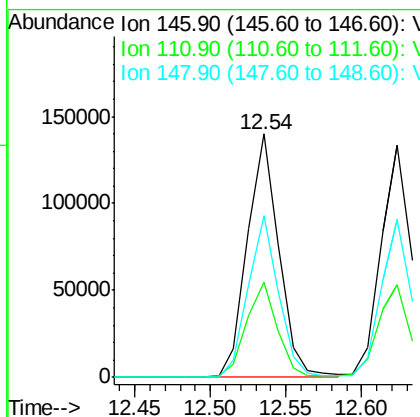
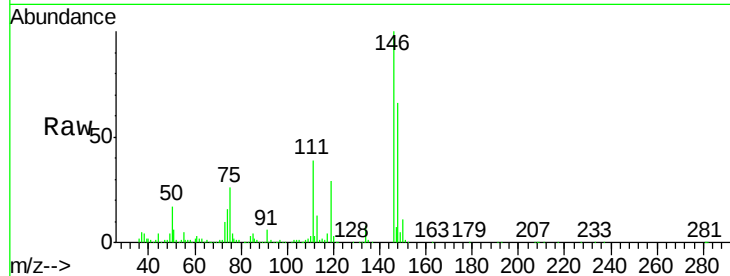
#87  
 1,3-Dichlorobenzene  
 Concen: 22.347 ug/l  
 RT: 12.54 min Scan# 1218  
 Delta R.T. 0.01 min  
 Lab File: VF062203.D  
 Acq: 18 Apr 2019 14:18

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0418SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.7  | 19.7  | 59.0  |
| 148     | 64.6  | 32.9  | 98.6  |

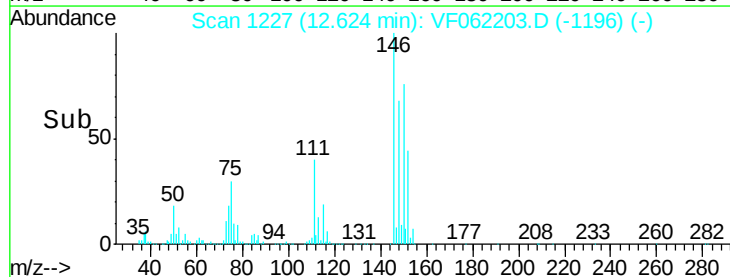
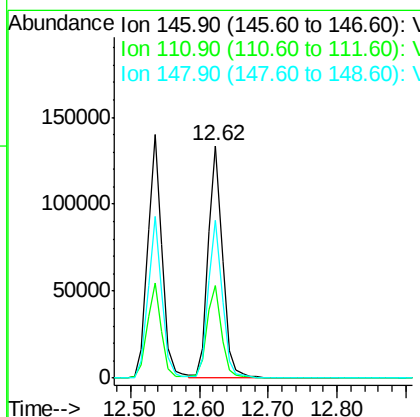
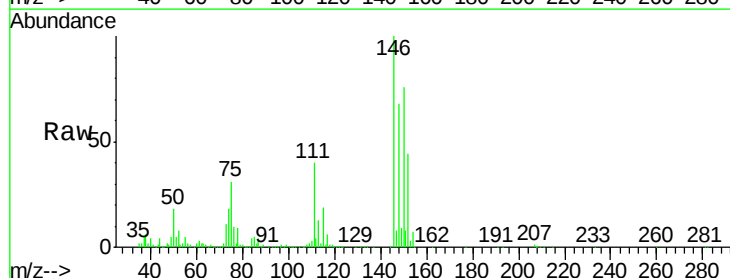
Manual Integrations  
 APPROVED

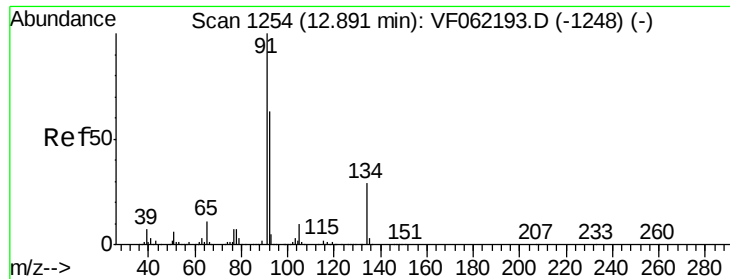
MMDadoda  
 4/19/2019 10:52:13 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 22.415 ug/l  
 RT: 12.62 min Scan# 1227  
 Delta R.T. 0.01 min  
 Lab File: VF062203.D  
 Acq: 18 Apr 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.7  | 20.0  | 60.0  |
| 148     | 65.4  | 33.6  | 100.8 |





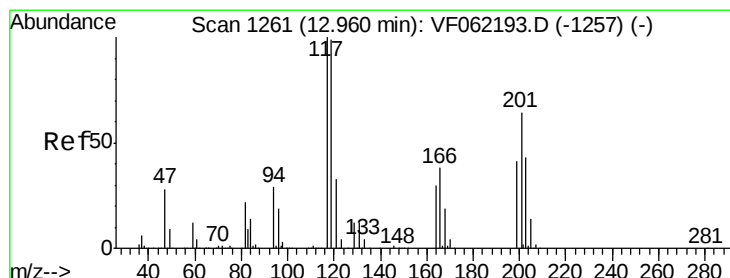
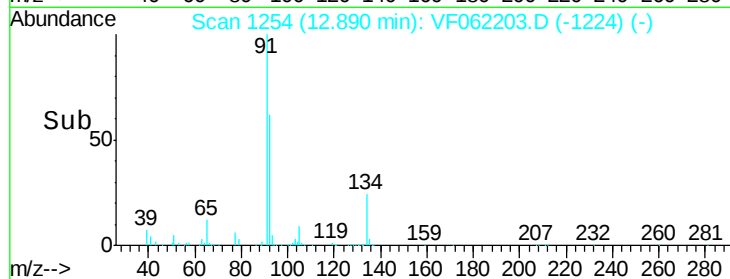
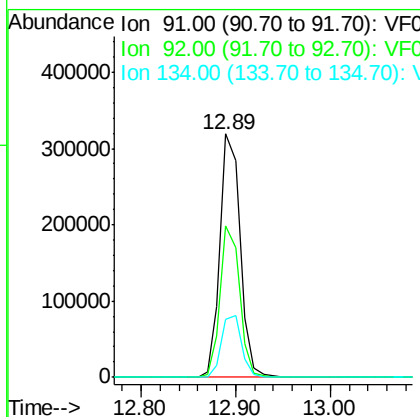
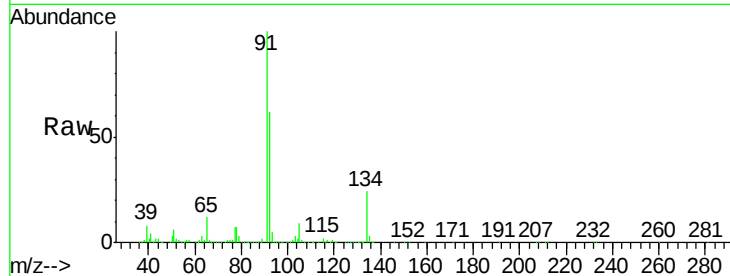
#89  
n-Butylbenzene  
Concen: 23.753 ug/l  
RT: 12.89 min Scan# 1254  
Delta R.T. -0.00 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0418SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 60.4  | 31.2  | 93.6  |
| 134     | 25.6  | 13.1  | 39.1  |

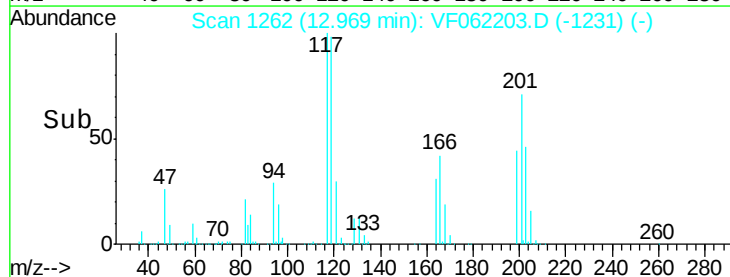
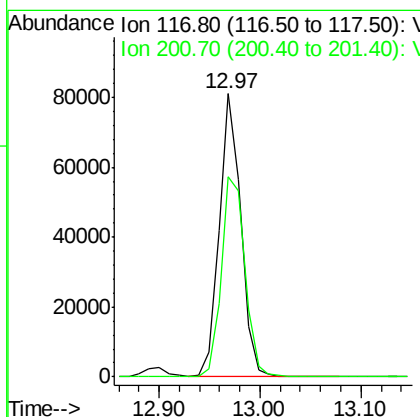
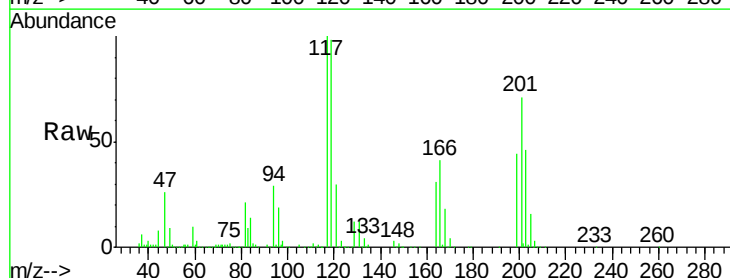
Manual Integrations  
APPROVED

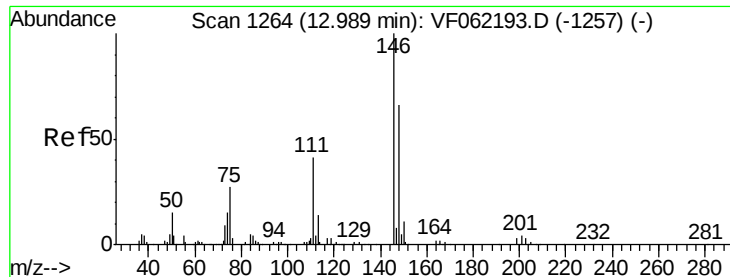
MMDadoda  
4/19/2019 10:52:13 AM



#90  
Hexachloroethane  
Concen: 21.729 ug/l  
RT: 12.97 min Scan# 1262  
Delta R.T. 0.01 min  
Lab File: VF062203.D  
Acq: 18 Apr 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 76.8  | 37.7  | 113.1 |





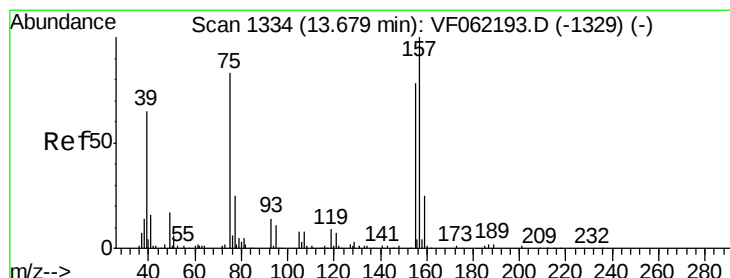
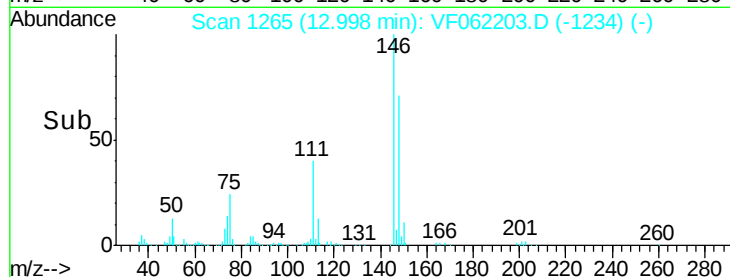
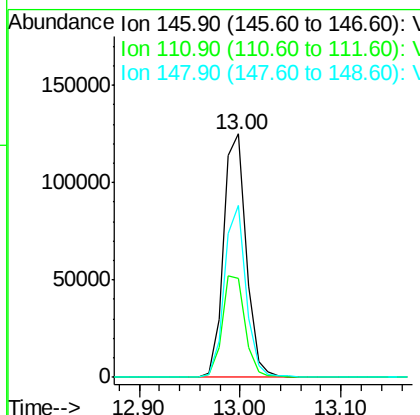
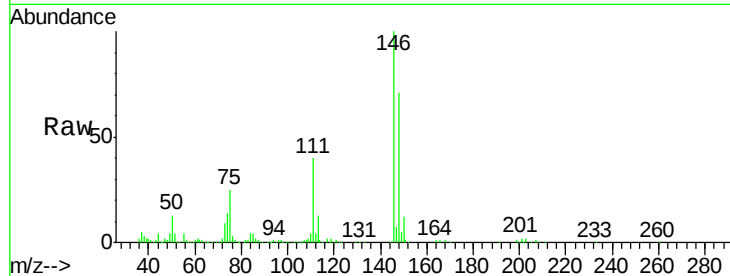
#91  
 1,2-Dichlorobenzene  
 Concen: 22.299 ug/l  
 RT: 13.00 min Scan# 1265  
 Delta R.T. 0.01 min  
 Lab File: VF062203.D  
 Acq: 18 Apr 2019 14:18

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0418SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 196174 |       |       |
| 111     | 42.4  | 20.8   | 62.5  |       |
| 148     | 67.2  | 33.0   | 99.0  |       |

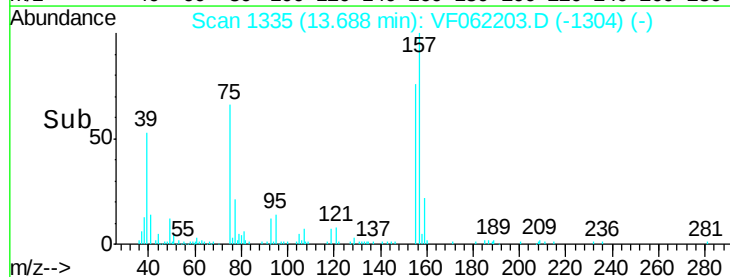
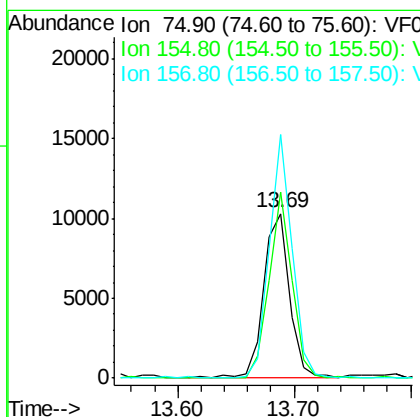
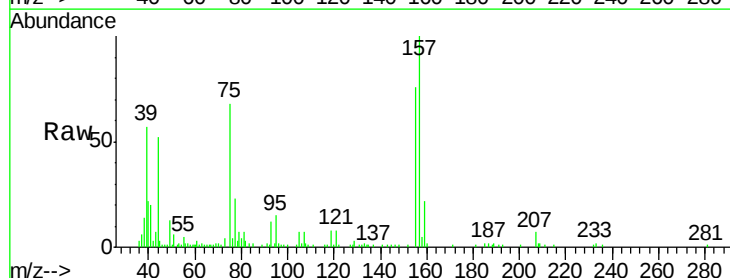
Manual Integrations  
 APPROVED

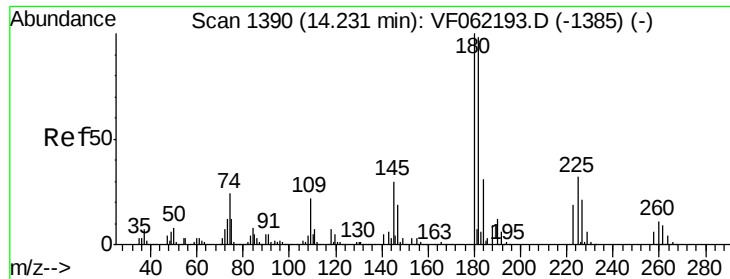
MMDadoda  
 4/19/2019 10:52:13 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.572 ug/l  
 RT: 13.69 min Scan# 1335  
 Delta R.T. 0.01 min  
 Lab File: VF062203.D  
 Acq: 18 Apr 2019 14:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 15931 |       |       |
| 155     | 99.4  | 47.6  | 142.8 |       |
| 157     | 129.8 | 61.3  | 183.9 |       |





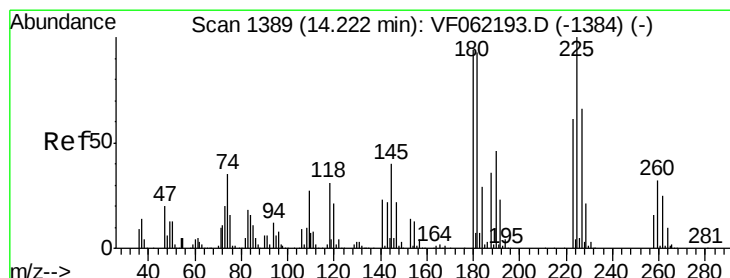
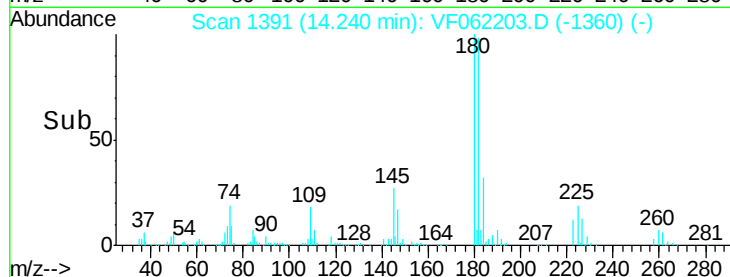
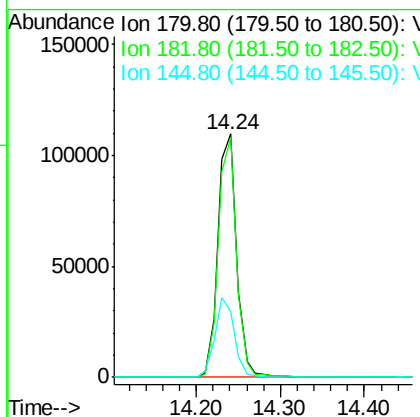
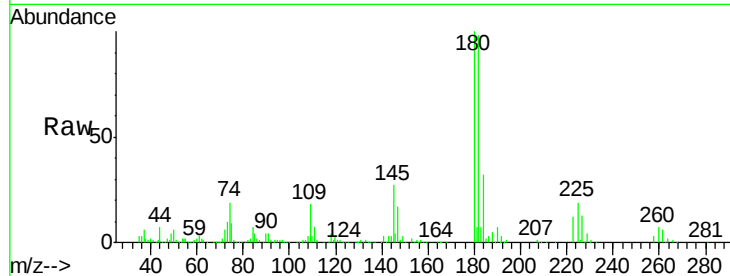
#93  
 1,2,4-Trichlorobenzene  
 Concen: 23.075 ug/l  
 RT: 14.24 min Scan# 1391  
 Delta R.T. 0.01 min  
 Lab File: VF062203.D  
 Acq: 18 Apr 2019 14:18

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0418SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 169843 |       |       |
| 182     | 96.1  | 49.3   | 147.9 |       |
| 145     | 34.1  | 18.1   | 54.4  |       |

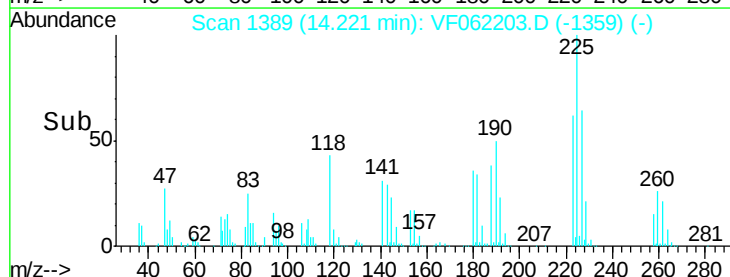
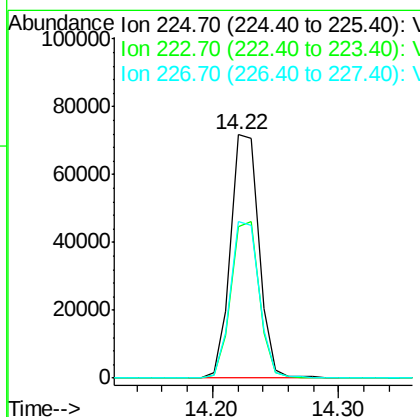
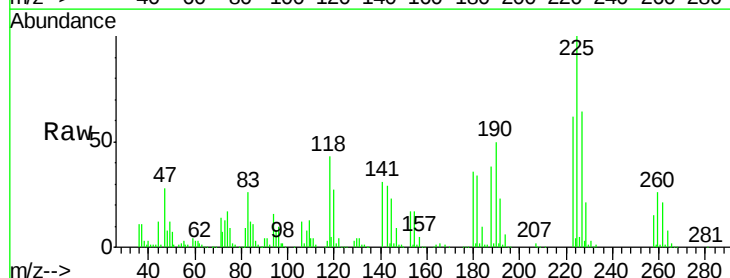
Manual Integrations  
 APPROVED

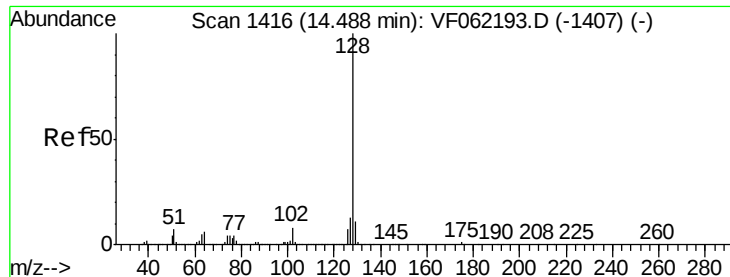
MMDadoda  
 4/19/2019 10:52:13 AM



#94  
 Hexachlorobutadiene  
 Concen: 22.093 ug/l  
 RT: 14.22 min Scan# 1389  
 Delta R.T. -0.00 min  
 Lab File: VF062203.D  
 Acq: 18 Apr 2019 14:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 111503 |       |       |
| 223     | 63.6  | 31.0   | 93.0  |       |
| 227     | 65.3  | 32.4   | 97.0  |       |





#95

Naphthalene

Concen: 21.589 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

Instrument :

MSVOA\_F

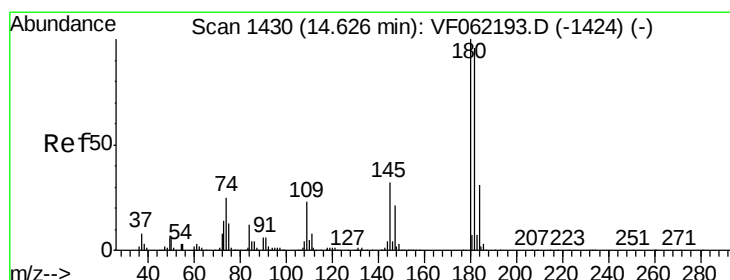
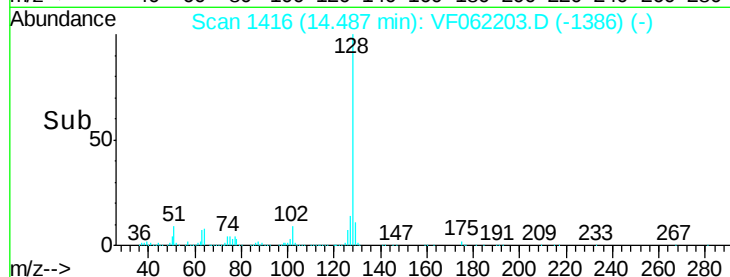
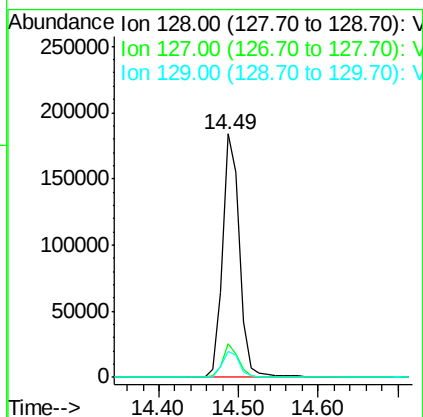
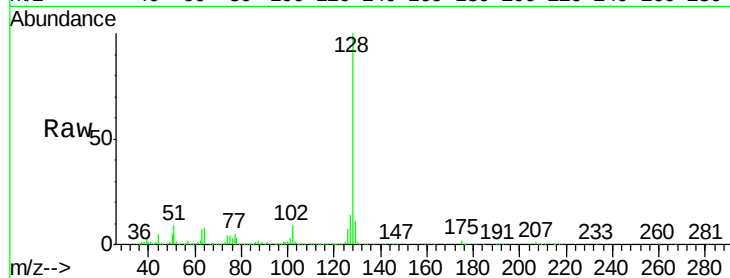
ClientSampleId :

VF0418SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 277851 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.7  | 10.4  | 15.6   |
| 129       | 11.0  | 9.2   | 13.8   |

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 10:52:13 AM



#96

1,2,3-Trichlorobenzene

Concen: 23.156 ug/l

RT: 14.63 min Scan# 1431

Delta R.T. 0.01 min

Lab File: VF062203.D

Acq: 18 Apr 2019 14:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 163630 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.9  | 48.4  | 145.3  |
| 145       | 30.1  | 15.6  | 46.8   |

