

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_F\DATA\VF051019\  
 Data File : VF062435.D  
 Acq On : 10 May 2019 23:02  
 Operator : FY/SY  
 Sample : VF0510SBS02  
 Misc : 5.00g/5mL/MSVOA\_F/SOIL  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0510SBS02

Manual Integrations  
 APPROVED

mohammad  
 5/14/2019 8:35:48 AM

Quant Time: May 11 05:52:22 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82F050619S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 07 04:34:57 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.06  | 168  | 297682   | 50.00 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 5.78  | 114  | 406782   | 50.00 | ug/l  | 0.01     |
| 63) Chlorobenzene-d5       | 9.91  | 117  | 333824   | 50.00 | ug/l  | 0.01     |
| 72) 1,4-Dichlorobenzene-d4 | 12.61 | 152  | 209358   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.04   | 65  | 167032   | 59.37 | ug/l    | 0.02 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 118.74% |      |
| 35) Dibromofluoromethane  | 4.31   | 113 | 188688   | 58.22 | ug/l    | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 116.44% |      |
| 50) Toluene-d8            | 7.72   | 98  | 406177   | 51.78 | ug/l    | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.56% |      |
| 62) 4-Bromofluorobenzene  | 11.50  | 95  | 187651   | 53.02 | ug/l    | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.04% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.01 | 85  | 77876   | 22.604  | ug/l   | 96     |
| 3) Chloromethane              | 1.16 | 50  | 48335   | 21.272  | ug/l   | 96     |
| 4) Vinyl Chloride             | 1.20 | 62  | 48834   | 21.547  | ug/l   | 97     |
| 5) Bromomethane               | 1.40 | 94  | 40221   | 22.120  | ug/l   | 93     |
| 6) Chloroethane               | 1.45 | 64  | 27442   | 24.084  | ug/l   | 92     |
| 7) Trichlorofluoromethane     | 1.56 | 101 | 107439  | 22.848  | ug/l   | 99     |
| 8) Diethyl Ether              | 1.71 | 74  | 15690   | 22.051  | ug/l   | 88     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.91 | 101 | 60933   | 22.697  | ug/l   | 94     |
| 10) Methyl Iodide             | 1.99 | 142 | 106294  | 24.026  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 2.71 | 59  | 14507   | 91.242  | ug/l # | 91     |
| 12) 1,1-Dichloroethene        | 1.88 | 96  | 48853   | 21.405  | ug/l   | 95     |
| 13) Acrolein                  | 2.11 | 56  | 8850    | 75.296  | ug/l   | 95     |
| 14) Allyl chloride            | 2.20 | 41  | 68091m  | 33.774  | ug/l   |        |
| 15) Acrylonitrile             | 3.09 | 53  | 32002   | 106.256 | ug/l   | 97     |
| 16) Acetone                   | 2.35 | 43  | 55647   | 97.782  | ug/l   | 99     |
| 17) Carbon Disulfide          | 1.93 | 76  | 107468  | 21.595  | ug/l # | 93     |
| 18) Methyl Acetate            | 2.47 | 43  | 24987   | 22.343  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 2.55 | 73  | 105440  | 22.381  | ug/l   | 92     |
| 20) Methylene Chloride        | 2.34 | 84  | 49792m  | 24.183  | ug/l   |        |
| 21) trans-1,2-Dichloroethene  | 2.43 | 96  | 48263   | 22.195  | ug/l   | 93     |
| 22) Diisopropyl ether         | 2.94 | 45  | 143281  | 22.739  | ug/l   | 92     |
| 23) Vinyl Acetate             | 3.36 | 43  | 301881  | 107.495 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 3.02 | 63  | 88797   | 23.317  | ug/l   | 98     |
| 25) 2-Butanone                | 4.53 | 43  | 76128   | 106.478 | ug/l   | 94     |
| 26) 2,2-Dichloropropane       | 3.78 | 77  | 48377   | 22.747  | ug/l   | 96     |
| 27) cis-1,2-Dichloroethene    | 3.66 | 96  | 59525   | 21.899  | ug/l   | 93     |
| 28) Bromochloromethane        | 3.91 | 49  | 32475   | 18.803  | ug/l   | 94     |
| 29) Tetrahydrofuran           | 4.28 | 42  | 36281   | 110.412 | ug/l   | 95     |
| 30) Chloroform                | 4.06 | 83  | 130084  | 25.284  | ug/l   | 99     |
| 31) Cyclohexane               | 3.89 | 56  | 65117   | 21.422  | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 4.29 | 97  | 108161m | 24.529  | ug/l   |        |
| 36) 1,1-Dichloropropene       | 4.48 | 75  | 80392   | 23.006  | ug/l   | 98     |
| 37) Ethyl Acetate             | 4.31 | 43  | 34891   | 22.772  | ug/l # | 94     |
| 38) Carbon Tetrachloride      | 4.20 | 117 | 98208   | 25.747  | ug/l   | 94     |

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 Data File : VF062435.D  
 Acq On : 10 May 2019 23:02  
 Operator : FY/SY  
 Sample : VF0510SBS02  
 Misc : 5.00g/5mL/MSVOA\_F/SOIL  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0510SBS02

Manual Integrations  
 APPROVED

mohammad  
 5/14/2019 8:35:48 AM

Quant Time: May 11 05:52:22 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82F050619S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 07 04:34:57 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 5.64  | 83   | 76154    | 21.730  | ug/l   | 97       |
| 40) Benzene                    | 4.84  | 78   | 174397   | 22.664  | ug/l   | 96       |
| 41) Methacrylonitrile          | 4.94  | 41   | 20097    | 23.985  | ug/l   | 93       |
| 42) 1,2-Dichloroethane         | 5.14  | 62   | 72703    | 22.591  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 7.12  | 43   | 31644    | 19.909  | ug/l # | 97       |
| 44) Trichloroethene            | 5.69  | 130  | 66538    | 23.539  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 6.41  | 63   | 40230    | 23.082  | ug/l   | 89       |
| 46) Dibromomethane             | 6.28  | 93   | 32046    | 22.176  | ug/l   | 94       |
| 47) Bromodichloromethane       | 6.56  | 83   | 80585    | 22.304  | ug/l   | 86       |
| 48) Methyl methacrylate        | 6.89  | 41   | 21533    | 19.171  | ug/l   | 91       |
| 49) 1,4-Dioxane                | 6.88  | 88   | 5069     | 431.360 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone       | 8.41  | 43   | 121404   | 100.802 | ug/l   | 99       |
| 52) Toluene                    | 7.78  | 92   | 104170   | 21.944  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 8.43  | 75   | 57644    | 21.095  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 7.47  | 75   | 67752    | 21.304  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 8.64  | 97   | 31540    | 20.930  | ug/l   | 92       |
| 56) Ethyl methacrylate         | 8.77  | 69   | 31185    | 19.604  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 9.01  | 76   | 50694    | 22.271  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 7.46  | 63   | 47006    | 98.288  | ug/l   | 97       |
| 59) 2-Hexanone                 | 9.63  | 43   | 81370    | 97.689  | ug/l   | 98       |
| 60) Dibromochloromethane       | 8.87  | 129  | 53495    | 21.705  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.13  | 107  | 37336    | 21.080  | ug/l   | 96       |
| 64) Tetrachloroethene          | 8.32  | 164  | 65861    | 24.302  | ug/l   | 92       |
| 65) Chlorobenzene              | 9.93  | 112  | 128669   | 23.296  | ug/l   | 91       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.07 | 131  | 64929    | 23.303  | ug/l   | 96       |
| 67) Ethyl Benzene              | 10.03 | 91   | 220259   | 22.773  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.27 | 106  | 162480   | 45.531  | ug/l   | 97       |
| 69) o-Xylene                   | 10.82 | 106  | 84961    | 22.033  | ug/l   | 97       |
| 70) Styrene                    | 10.90 | 104  | 127126   | 21.997  | ug/l   | 99       |
| 71) Bromoform                  | 10.88 | 173  | 32175    | 21.077  | ug/l # | 96       |
| 73) Isopropylbenzene           | 11.21 | 105  | 281345   | 22.668  | ug/l   | 98       |
| 74) N-amyl acetate             | 11.45 | 43   | 54369    | 20.404  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.78 | 83   | 43078    | 22.167  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.87 | 75   | 32976    | 22.241  | ug/l # | 100      |
| 77) Bromobenzene               | 11.59 | 156  | 72659    | 22.306  | ug/l   | 99       |
| 78) n-propylbenzene            | 11.68 | 91   | 297022   | 22.478  | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 11.80 | 91   | 184284   | 22.428  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 11.89 | 105  | 252277   | 23.190  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 11.94 | 75   | 7530     | 13.511  | ug/l # | 49       |
| 82) 4-Chlorotoluene            | 11.97 | 91   | 179553   | 22.125  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.20 | 119  | 255147   | 22.317  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 12.27 | 105  | 247316   | 23.231  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 12.37 | 105  | 315584   | 22.678  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.53 | 119  | 288581   | 22.320  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.55 | 146  | 139730   | 23.488  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.63 | 146  | 129569   | 22.566  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.90 | 91   | 265751   | 23.103  | ug/l   | 97       |
| 90) Hexachloroethane           | 12.98 | 117  | 68430    | 21.197  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.00 | 146  | 133656   | 23.211  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.69 | 75   | 9253     | 21.253  | ug/l   | 96       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_F\DATA\VF051019\  
Data File : VF062435.D  
Acq On : 10 May 2019 23:02  
Operator : FY/SY  
Sample : VF0510SBS02  
Misc : 5.00g/5mL/MSVOA\_F/SOIL  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0510SBS02

Manual Integrations  
APPROVED

mohammad  
5/14/2019 8:35:48 AM

Quant Time: May 11 05:52:22 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82F050619S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 07 04:34:57 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.24 | 180  | 120212   | 23.275 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 14.23 | 225  | 94384    | 24.518 | ug/l  | 96       |
| 95) Naphthalene            | 14.50 | 128  | 167479   | 21.569 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.64 | 180  | 118323   | 23.647 | ug/l  | 98       |

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

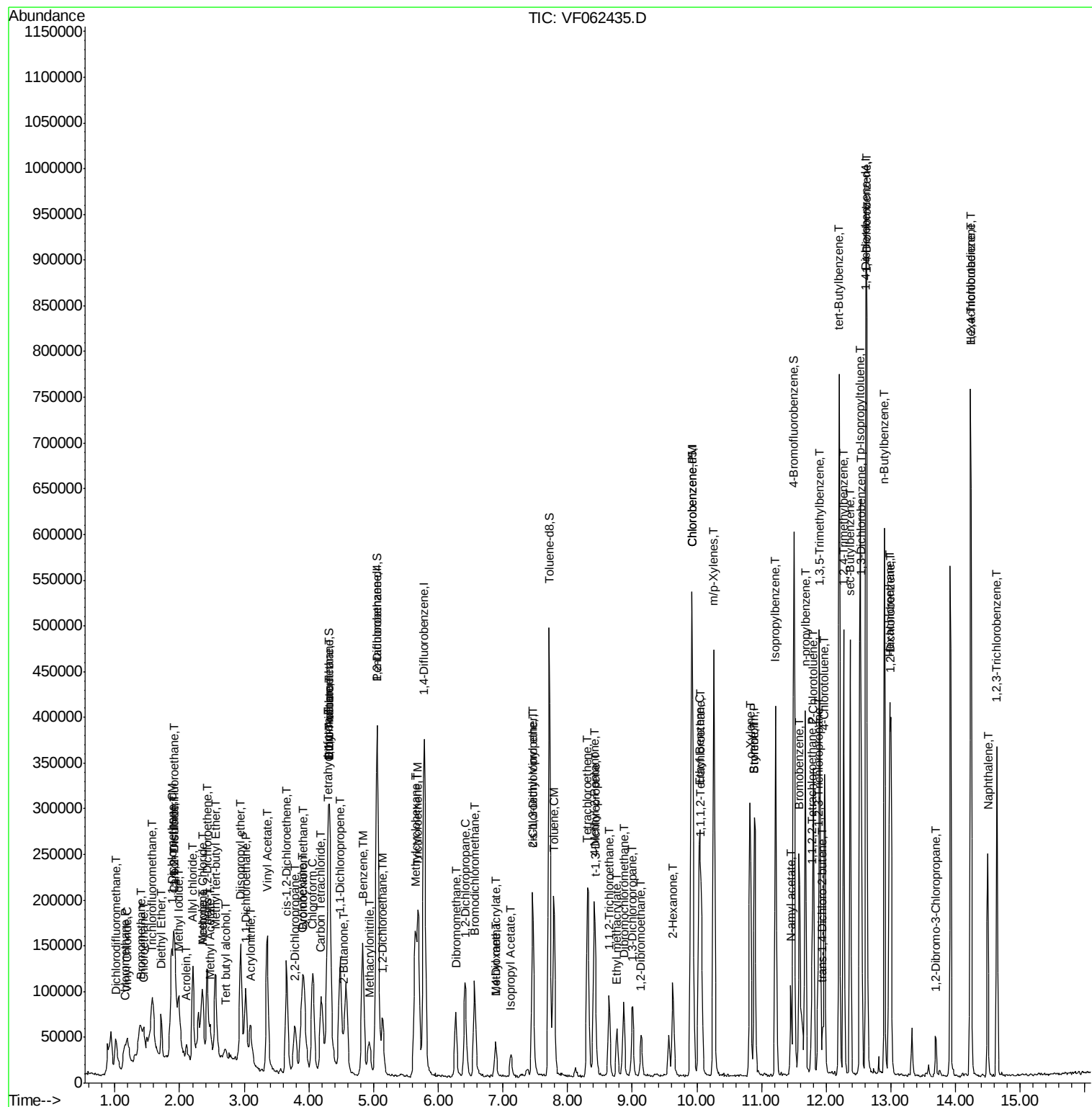
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 Data File : VF062435.D  
 Acq On : 10 May 2019 23:02  
 Operator : FY/SY  
 Sample : VF0510SBS02  
 Misc : 5.00g/5mL/MSVOA\_F/SOIL  
 ALS Vial : 28 Sample Multiplier: 1

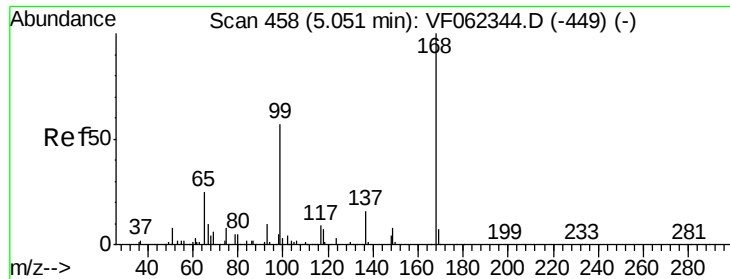
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0510SBS02

Manual Integrations  
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mohammad  
 5/14/2019 8:35:48 AM

Quant Time: May 11 05:52:22 2019  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82F050619S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 07 04:34:57 2019  
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA\_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 168 Resp: 297682

Ion Ratio Lower Upper

168 100

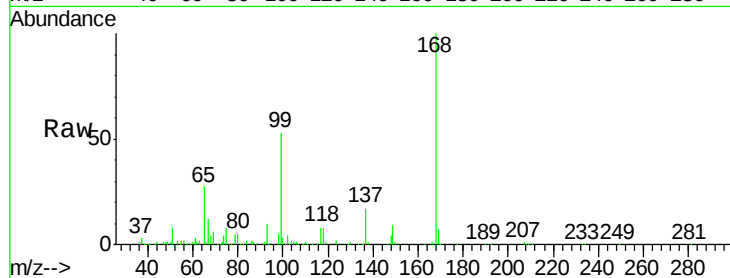
99 52.9 45.9 68.9

Manual Integrations

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5/14/2019 8:35:48 AM



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

120000

100000

80000

60000

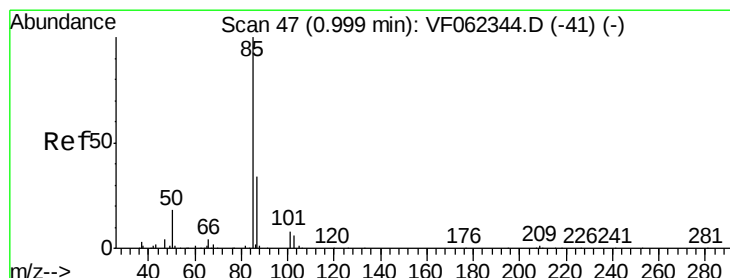
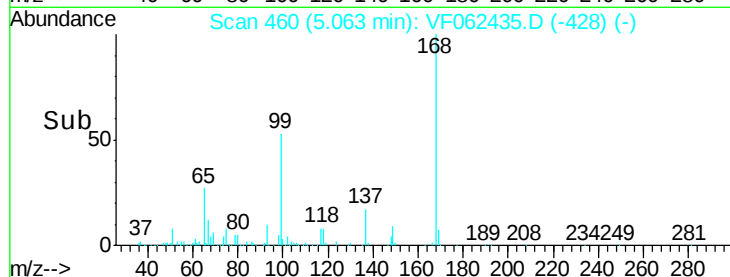
40000

20000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 22.604 ug/l

RT: 1.01 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062435.D

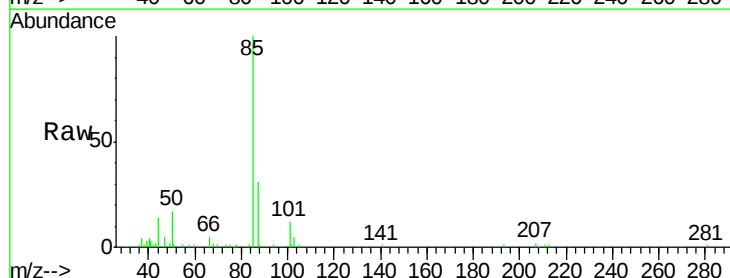
Acq: 10 May 2019 23:02

Tgt Ion: 85 Resp: 77876

Ion Ratio Lower Upper

85 100

87 31.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

25000

20000

15000

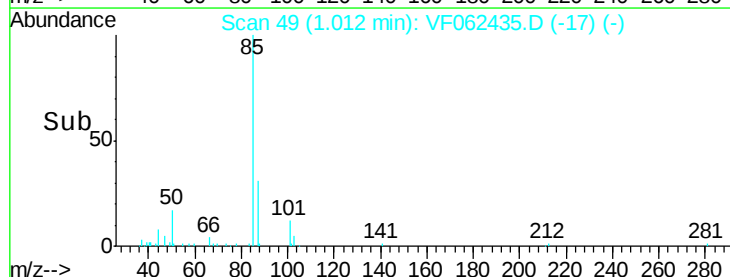
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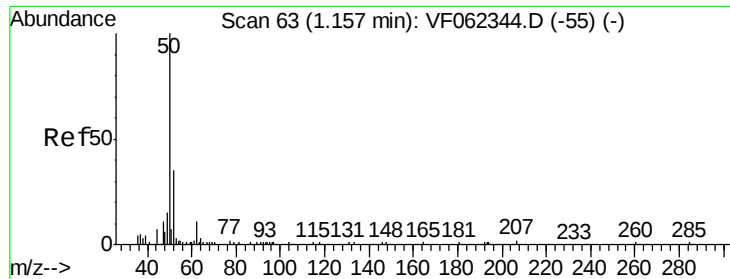
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 21.272 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA\_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 50 Resp: 48335

Ion Ratio Lower Upper

50 100

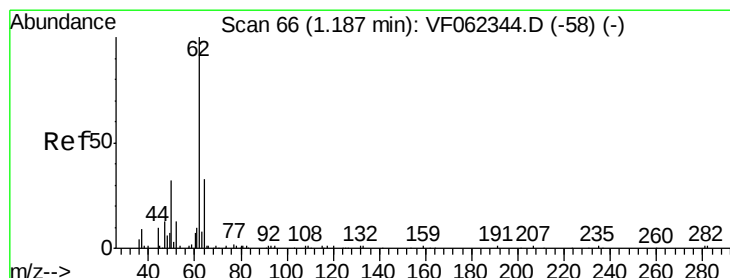
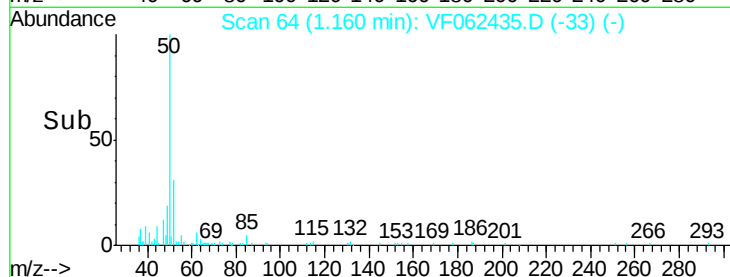
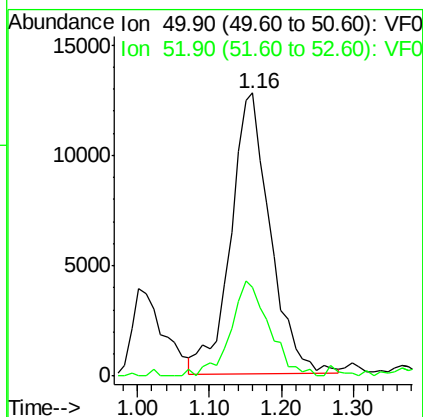
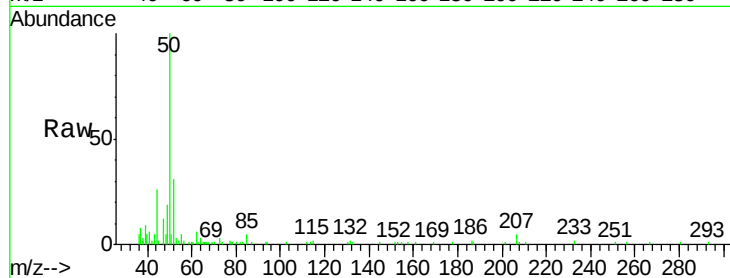
52 30.4 26.1 39.1

Manual Integrations

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5/14/2019 8:35:48 AM



#4

Vinyl Chloride

Concen: 21.547 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF062435.D

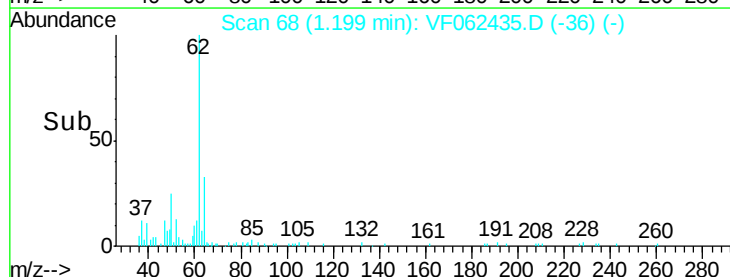
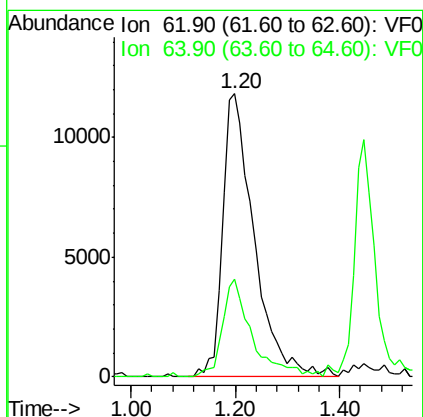
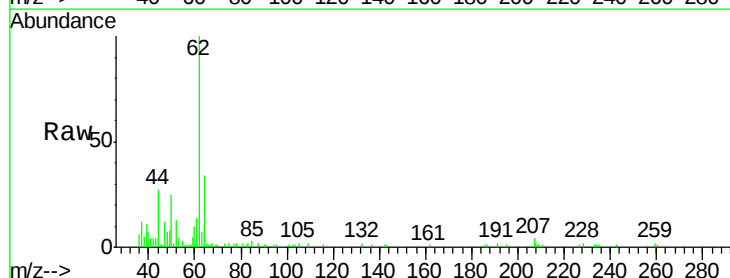
Acq: 10 May 2019 23:02

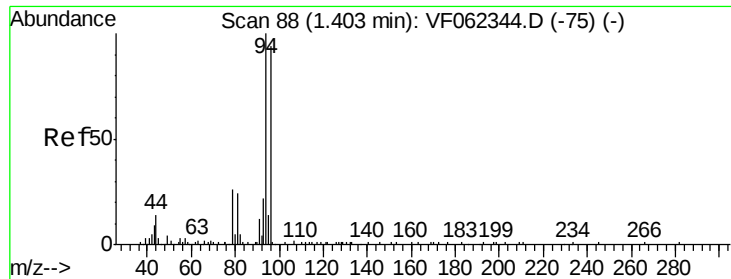
Tgt Ion: 62 Resp: 48834

Ion Ratio Lower Upper

62 100

64 34.4 26.1 39.1





#5

Bromomethane

Concen: 22.120 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA\_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 94 Resp: 40221

Ion Ratio Lower Upper

94 100

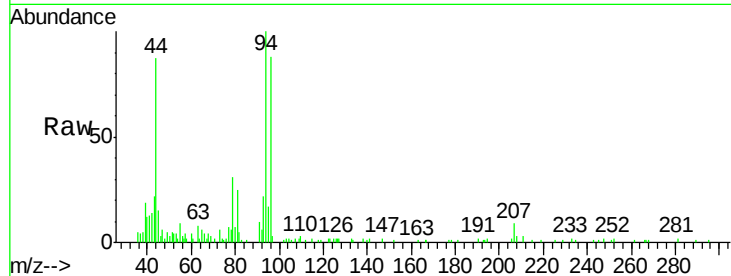
96 87.8 75.4 113.2

Manual Integrations

APPROVED

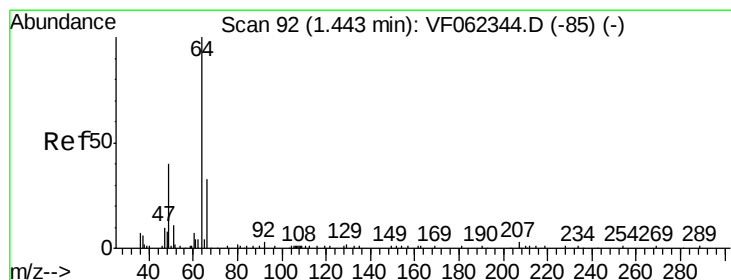
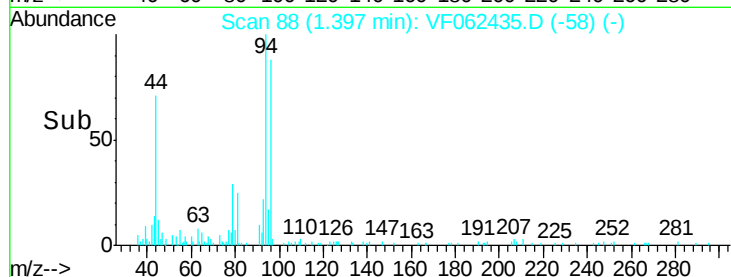
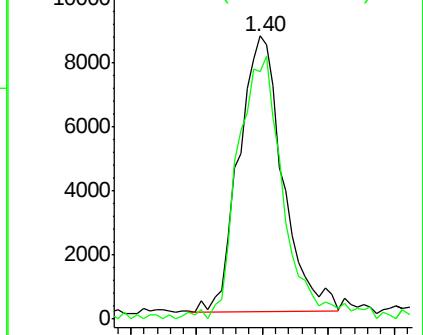
mohammad

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Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



#6

Chloroethane

Concen: 24.084 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062435.D

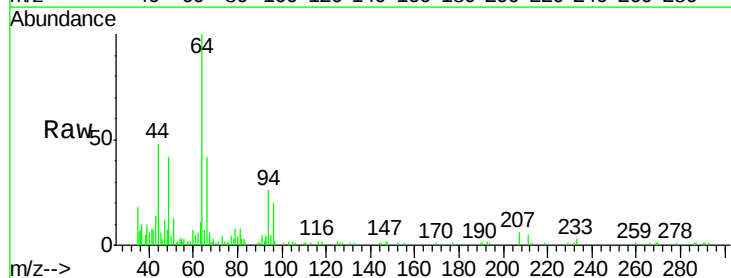
Acq: 10 May 2019 23:02

Tgt Ion: 64 Resp: 27442

Ion Ratio Lower Upper

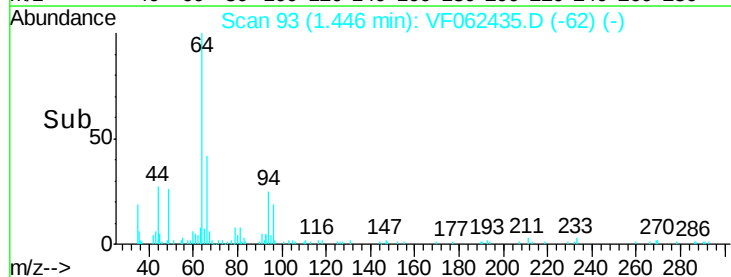
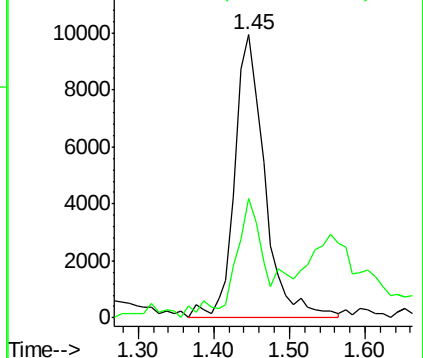
64 100

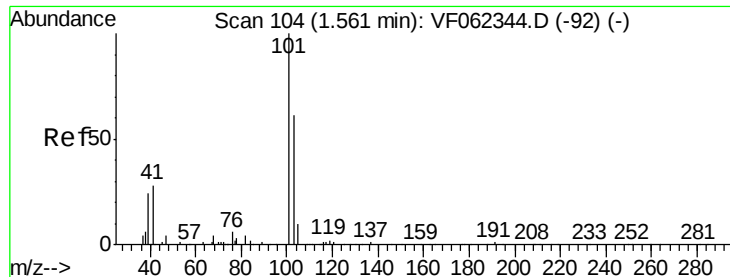
66 38.0 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0





#7

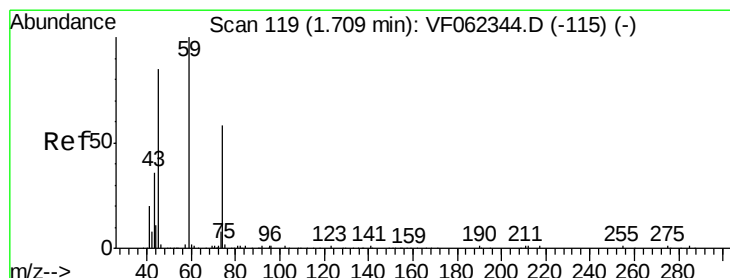
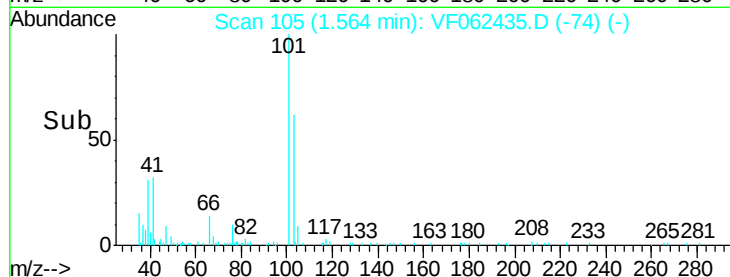
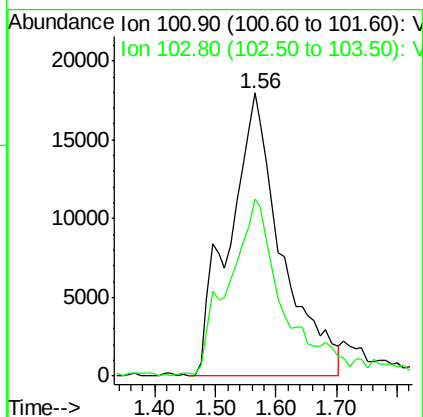
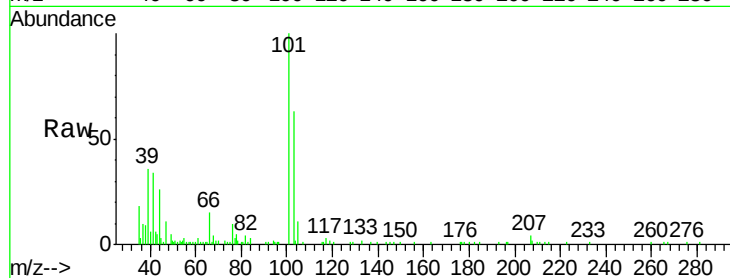
Trichlorofluoromethane  
Concen: 22.848 ug/l  
RT: 1.56 min Scan# 105  
Delta R.T. 0.00 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0510SBS02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 61.4  | 48.5  | 72.7  |

Manual Integrations  
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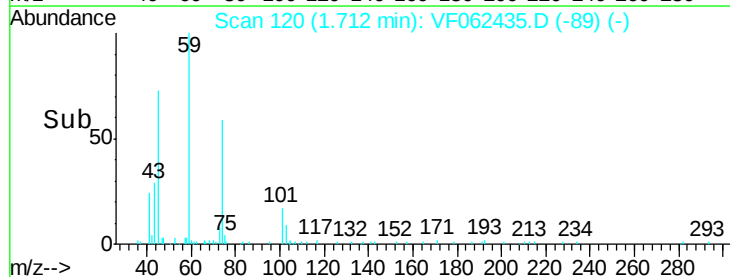
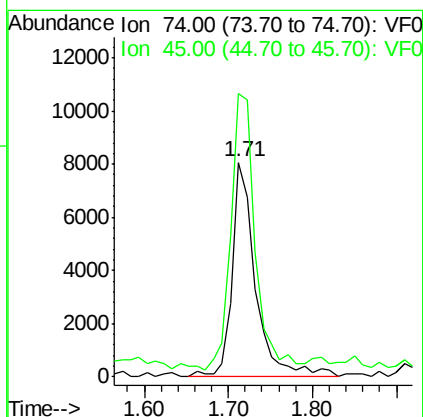
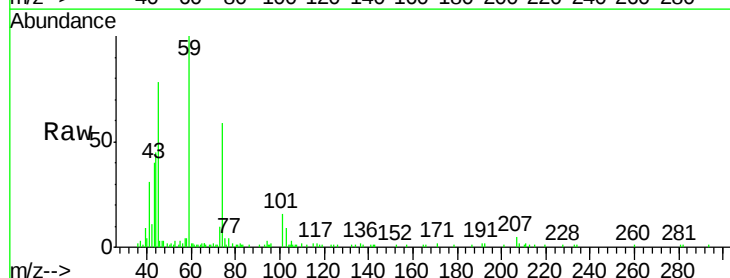
mohammad  
5/14/2019 8:35:48 AM

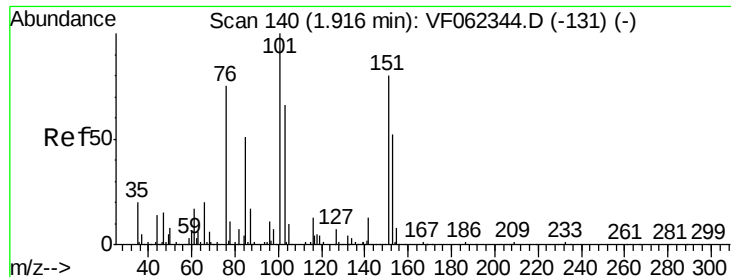


#8

Diethyl Ether  
Concen: 22.051 ug/l  
RT: 1.71 min Scan# 120  
Delta R.T. 0.00 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 132.3 | 73.9  | 221.6 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.697 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA\_F

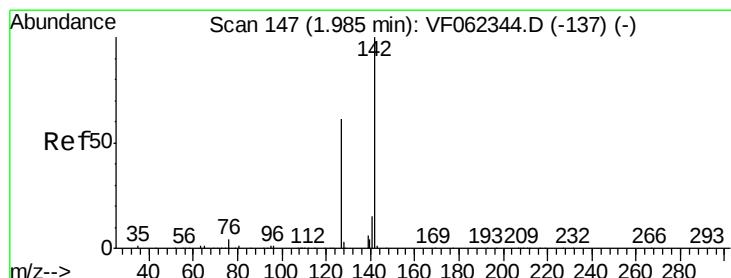
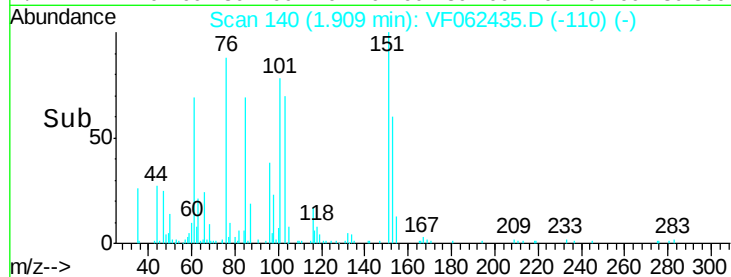
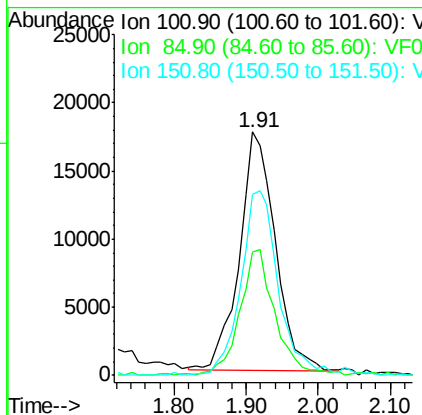
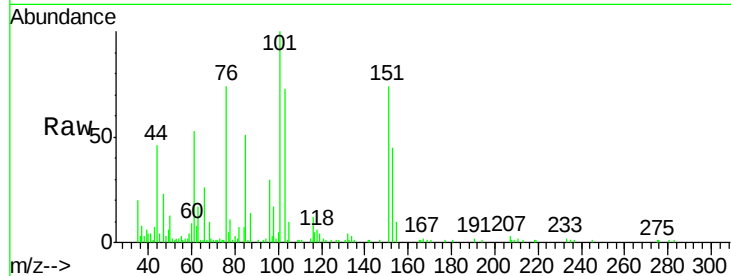
ClientSampleId :

VF0510SBS02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 101   | Resp: | 60933 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 52.0  | 39.5  | 59.3  |
| 151       | 80.8  | 59.9  | 89.9  |

Manual Integrations  
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#10

Methyl Iodide

Concen: 24.026 ug/l

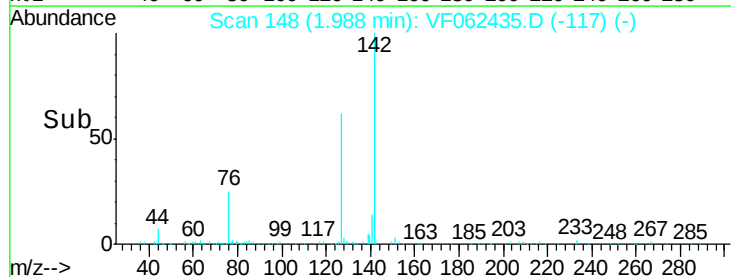
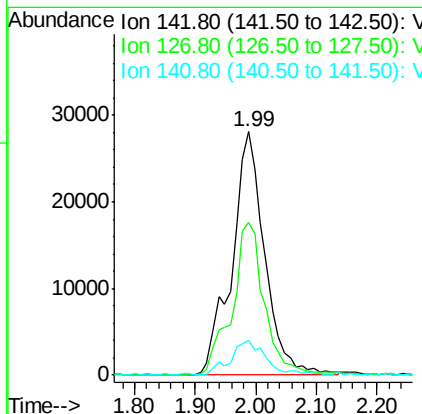
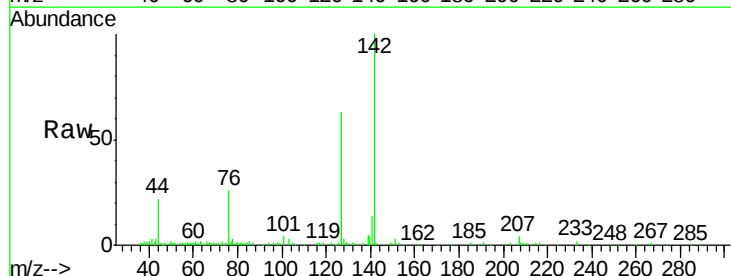
RT: 1.99 min Scan# 148

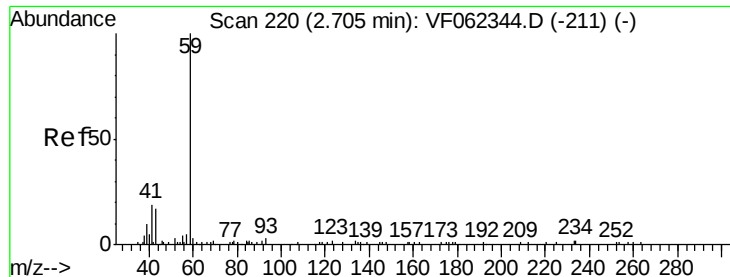
Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 106294 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 62.1  | 48.4  | 72.6   |
| 141       | 15.4  | 12.2  | 18.4   |





#11

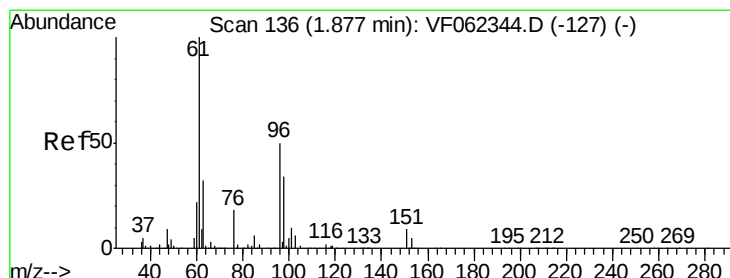
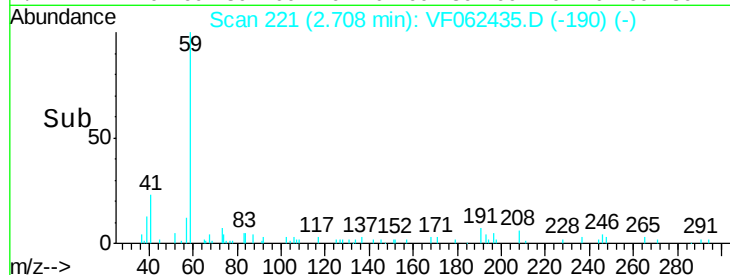
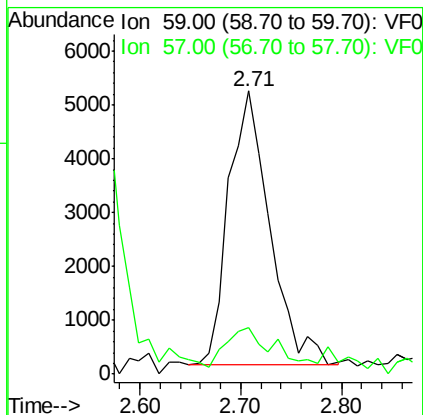
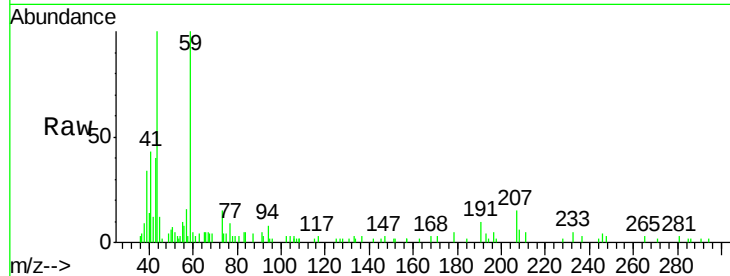
Tert butyl alcohol  
 Concen: 91.242 ug/l  
 RT: 2.71 min Scan# 221  
 Delta R.T. 0.00 min  
 Lab File: VF062435.D  
 Acq: 10 May 2019 23:02

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0510SBS02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 14.9  | 9.3   | 13.9# |

Manual Integrations  
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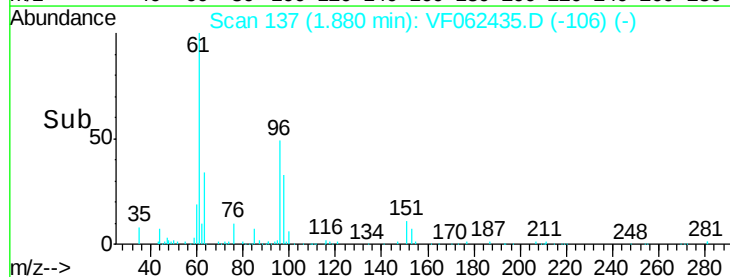
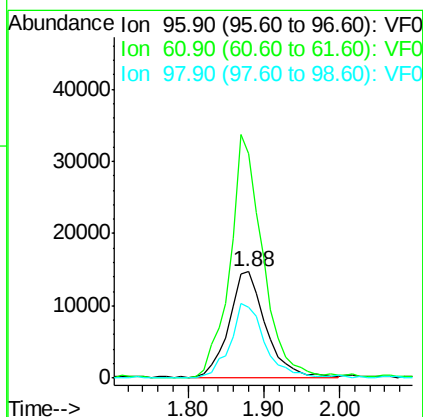
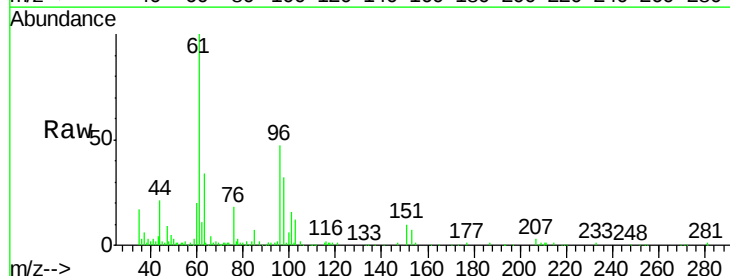
mohammad  
 5/14/2019 8:35:48 AM

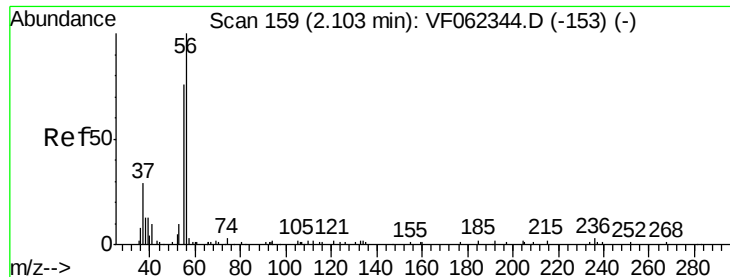


#12

1,1-Dichloroethene  
 Concen: 21.405 ug/l  
 RT: 1.88 min Scan# 137  
 Delta R.T. 0.00 min  
 Lab File: VF062435.D  
 Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 212.4 | 163.2 | 244.8 |
| 98      | 67.5  | 55.2  | 82.8  |





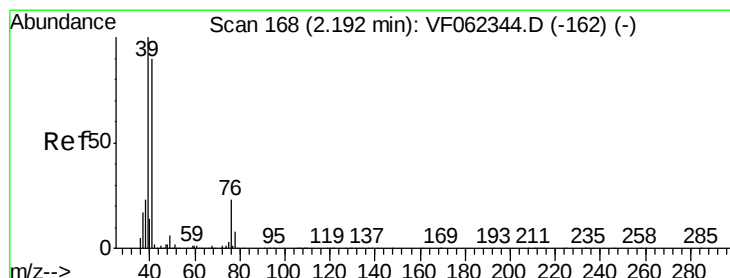
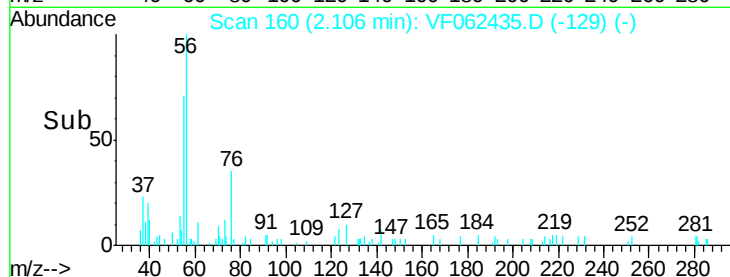
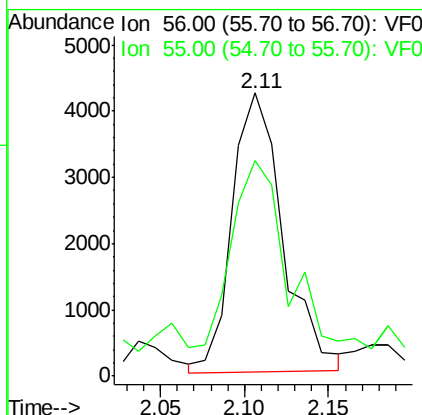
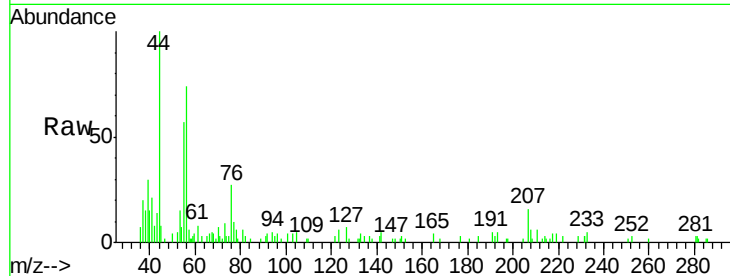
#13  
Acrolein  
Concen: 75.296 ug/l  
RT: 2.11 min Scan# 160  
Delta R.T. 0.00 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0510SBS02

Tgt Ion: 56 Resp: 8850  
Ion Ratio Lower Upper  
56 100  
55 69.1 58.4 87.6

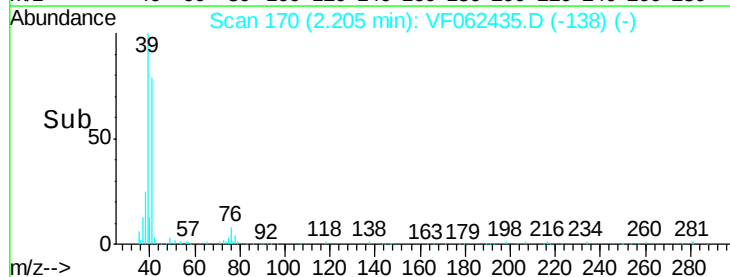
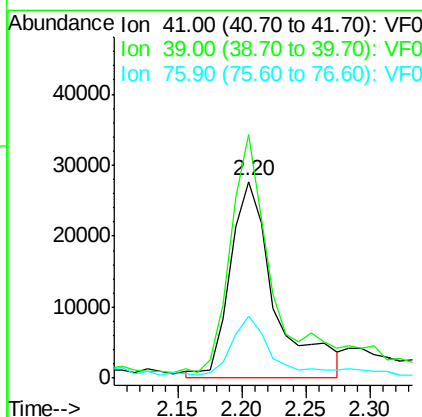
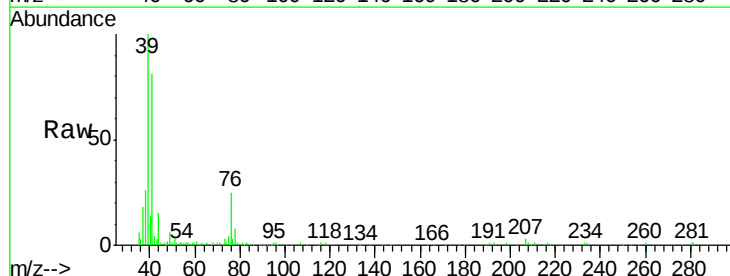
Manual Integrations  
APPROVED

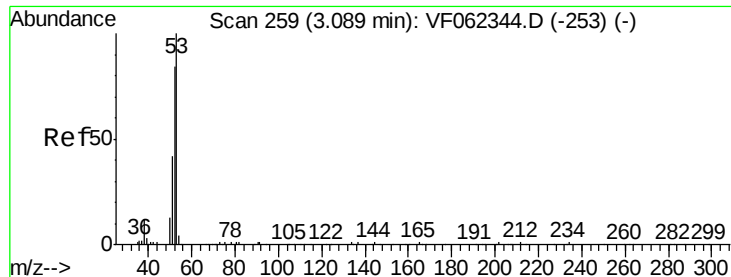
mohammad  
5/14/2019 8:35:48 AM



#14  
Allyl chloride  
Concen: 33.774 ug/l m  
RT: 2.20 min Scan# 170  
Delta R.T. 0.01 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Tgt Ion: 41 Resp: 68091  
Ion Ratio Lower Upper  
41 100  
39 122.2 90.8 136.2  
76 24.9 22.2 33.4





#15

Acrylonitrile

Concen: 106.256 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA\_F

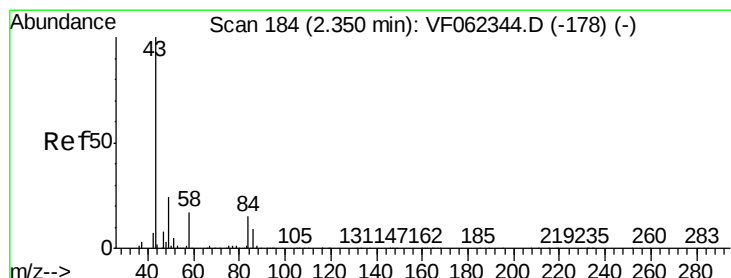
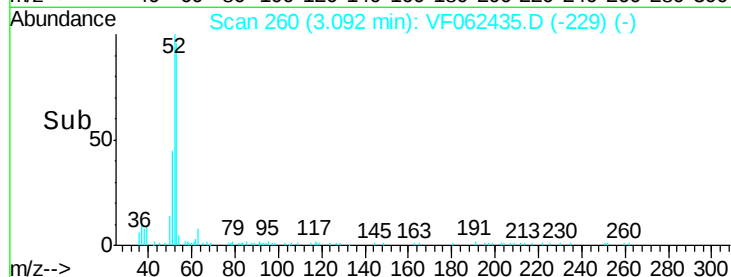
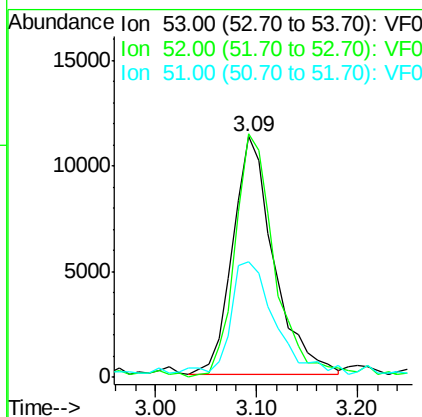
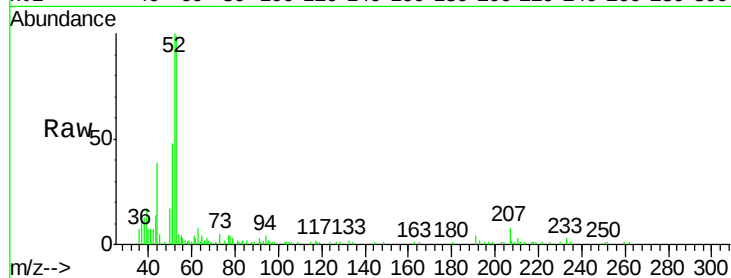
ClientSampleId :

VF0510SBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 32002 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 99.2  | 77.2  | 115.8 |
| 51       | 52.8  | 40.6  | 61.0  |

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#16

Acetone

Concen: 97.782 ug/l

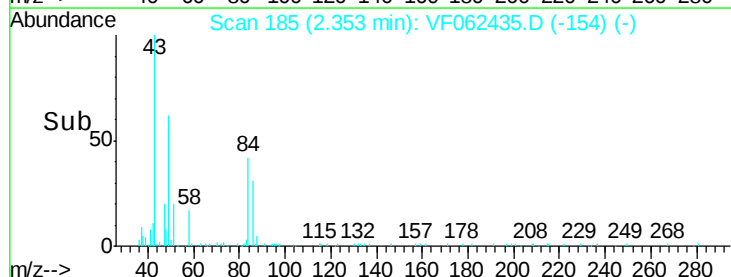
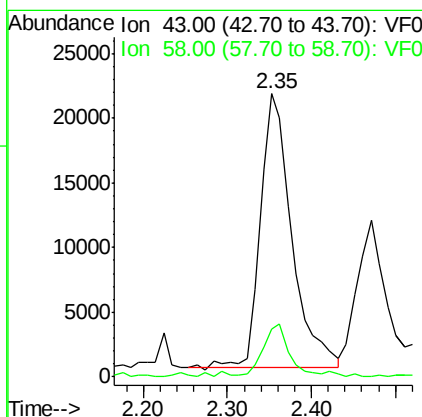
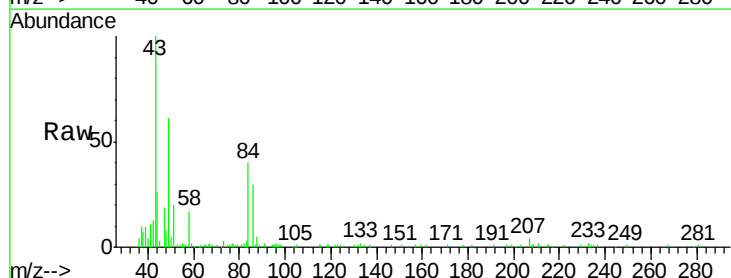
RT: 2.35 min Scan# 185

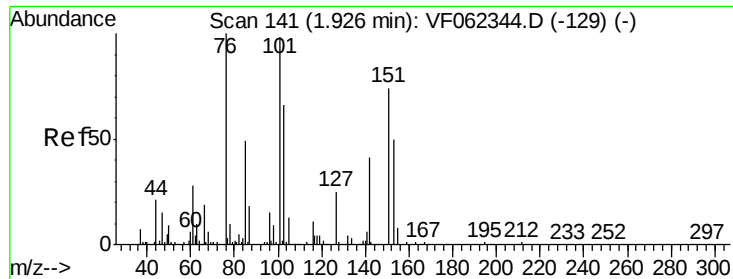
Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 55647 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 17.0  | 13.1  | 19.7  |





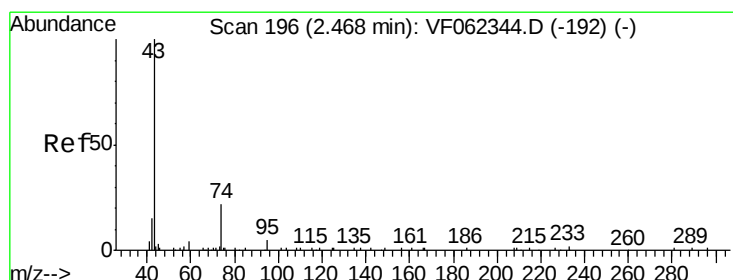
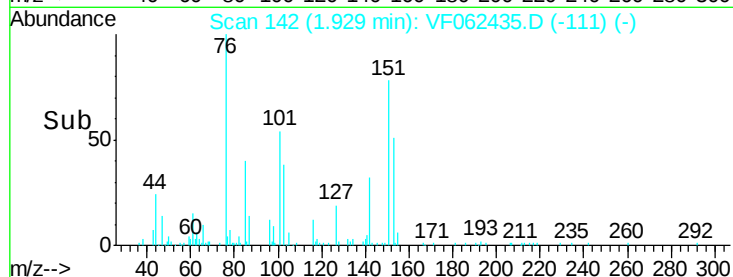
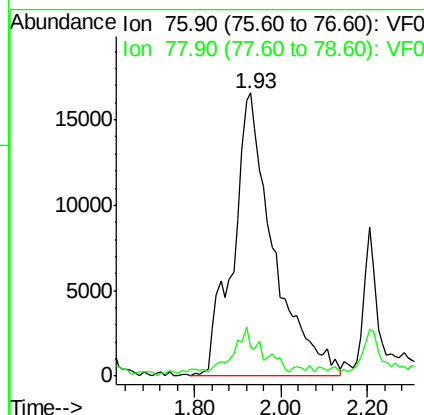
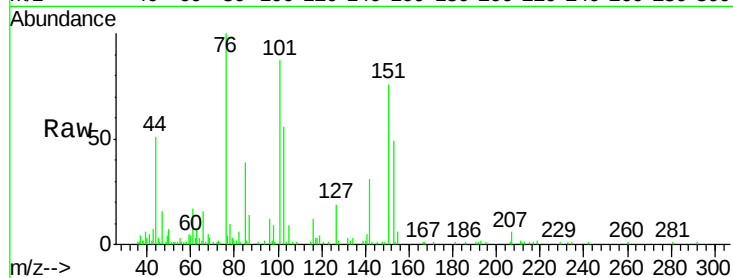
#17  
Carbon Disulfide  
Concen: 21.595 ug/l  
RT: 1.93 min Scan# 142  
Delta R.T. 0.00 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0510SBS02

Tgt Ion: 76 Resp: 107468  
Ion Ratio Lower Upper  
76 100  
78 8.6 9.0 13.4#

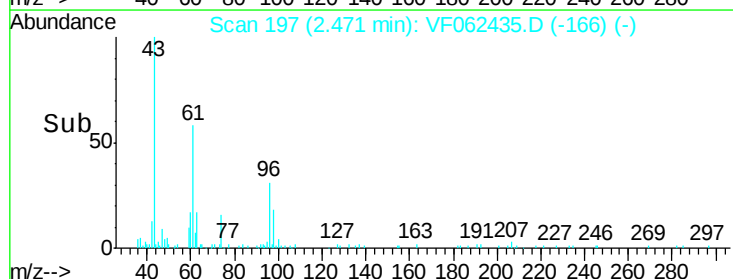
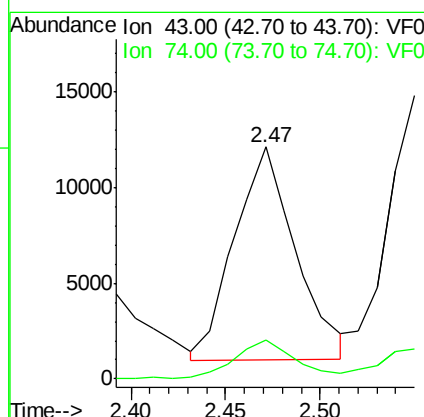
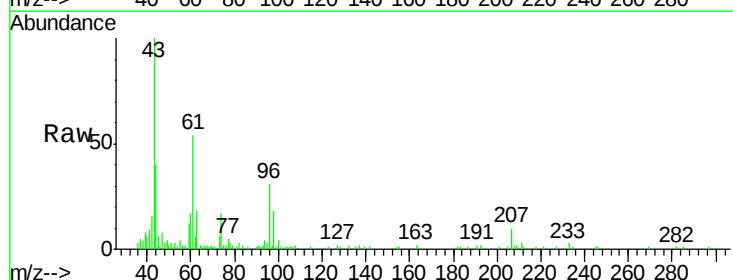
Manual Integrations  
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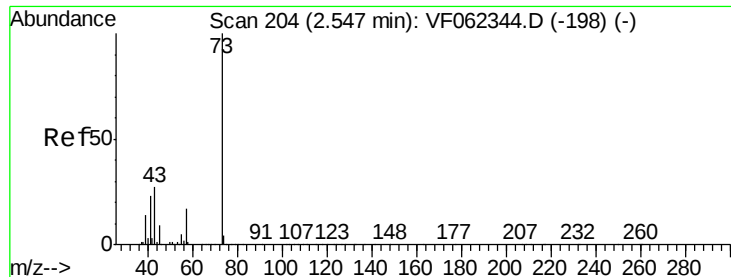
mohammad  
5/14/2019 8:35:48 AM



#18  
Methyl Acetate  
Concen: 22.343 ug/l  
RT: 2.47 min Scan# 197  
Delta R.T. 0.00 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Tgt Ion: 43 Resp: 24987  
Ion Ratio Lower Upper  
43 100  
74 18.7 15.0 22.4





#19

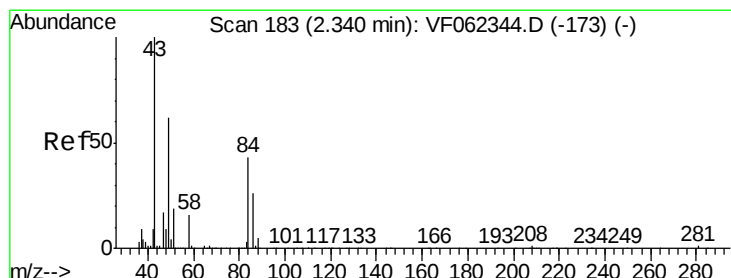
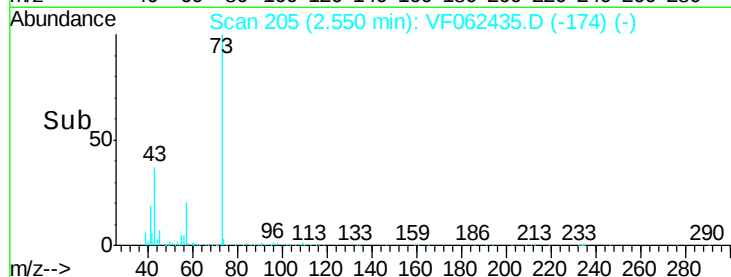
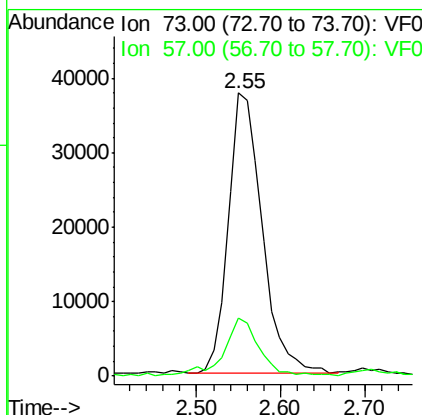
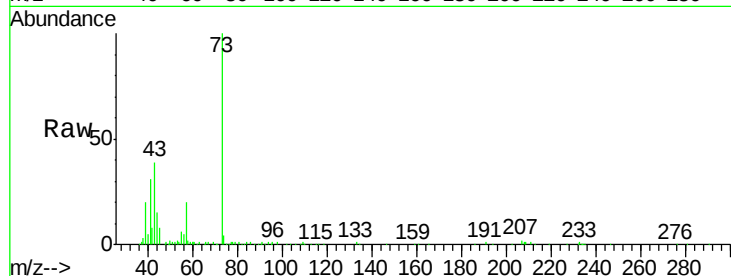
Methyl tert-butyl Ether  
Concen: 22.381 ug/l  
RT: 2.55 min Scan# 205  
Delta R.T. 0.00 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0510SBS02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 20.4  | 13.7  | 20.5  |

Manual Integrations  
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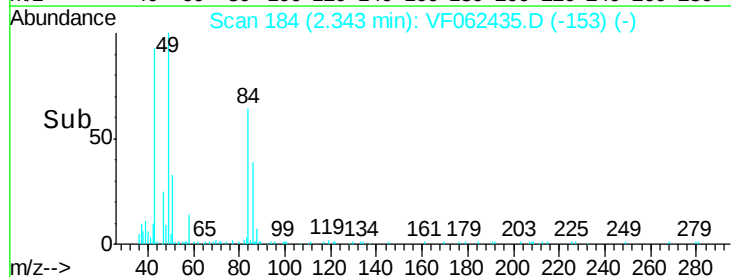
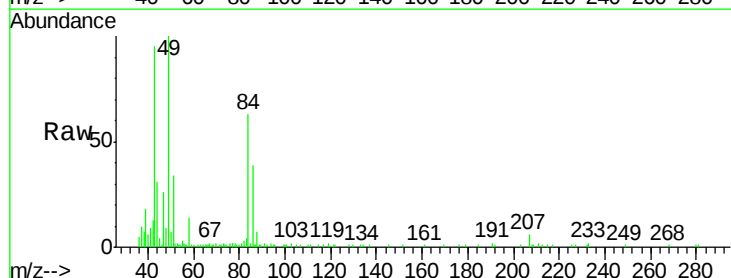
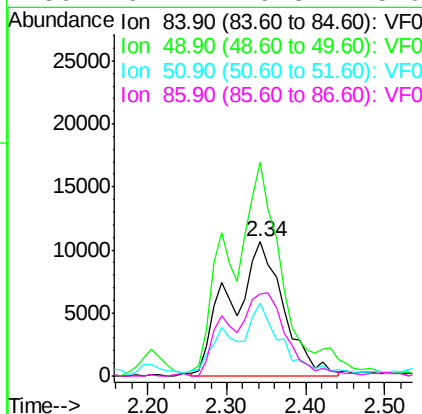
mohammad  
5/14/2019 8:35:48 AM

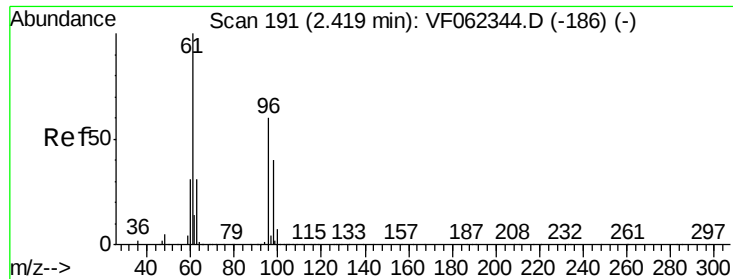


#20

Methylene Chloride  
Concen: 24.183 ug/l m  
RT: 2.34 min Scan# 184  
Delta R.T. 0.00 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 159.0 | 117.5 | 176.3 |
| 51      | 54.0  | 37.0  | 55.4  |
| 86      | 61.2  | 49.3  | 73.9  |





#21

trans-1,2-Dichloroethene

Concen: 22.195 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA\_F

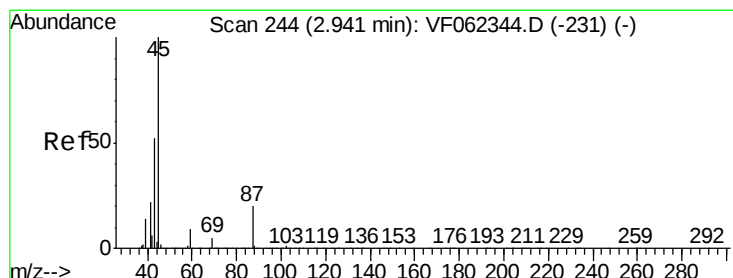
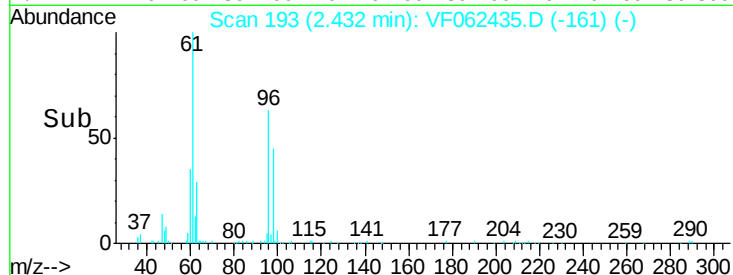
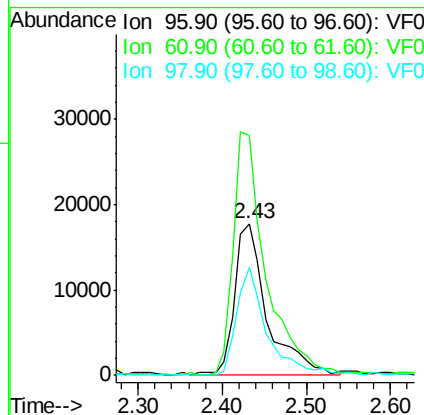
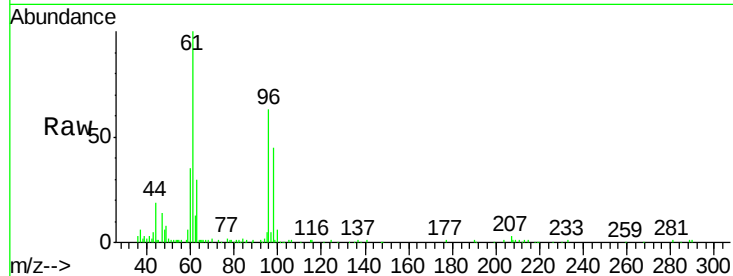
ClientSampleId :

VF0510SBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 48263 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 156.0 | 133.2 | 199.8 |
| 98       | 71.2  | 53.1  | 79.7  |

Manual Integrations  
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5/14/2019 8:35:48 AM



#22

Diisopropyl ether

Concen: 22.739 ug/l

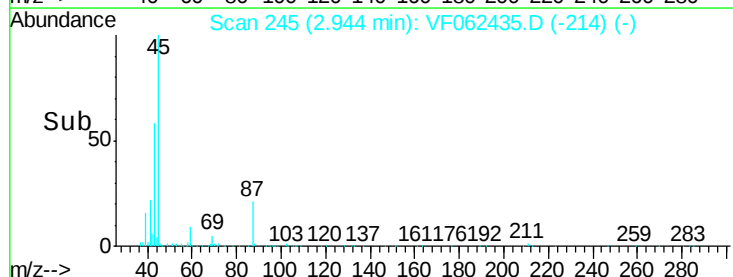
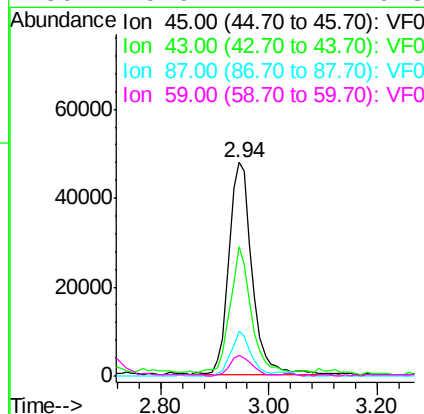
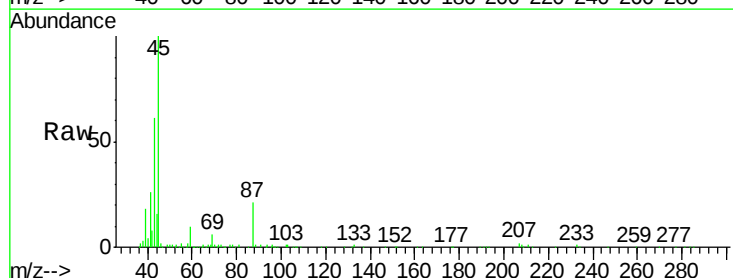
RT: 2.94 min Scan# 245

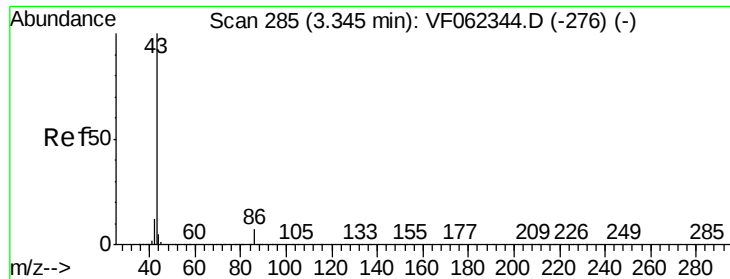
Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 143281 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 58.9  | 41.4  | 62.0   |
| 87       | 21.2  | 15.8  | 23.6   |
| 59       | 9.9   | 7.2   | 10.8   |





#23

Vinyl Acetate

Concen: 107.495 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA\_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 43 Resp: 301881

Ion Ratio Lower Upper

43 100

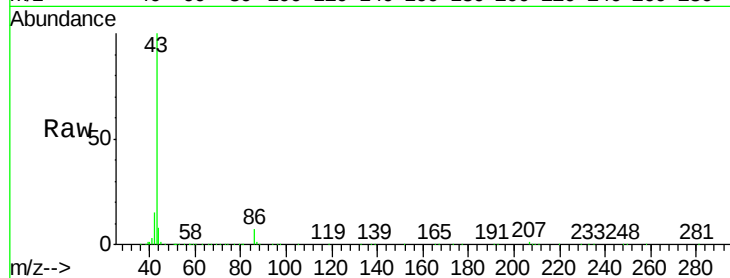
86 6.9 5.7 8.5

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.36

120000

100000

80000

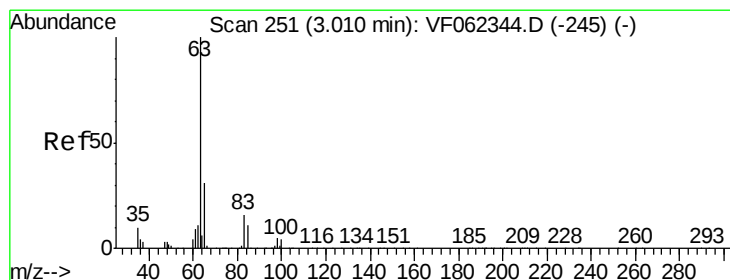
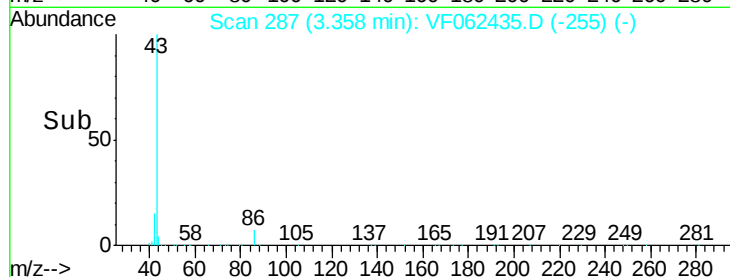
60000

40000

20000

0

Time--> 3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 23.317 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

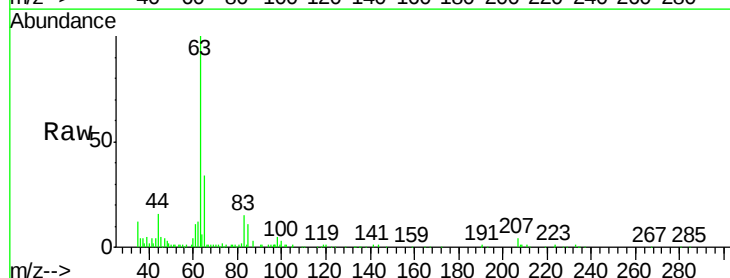
Tgt Ion: 63 Resp: 88797

Ion Ratio Lower Upper

63 100

98 4.9 2.6 8.0

100 2.9 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0

3.02

40000

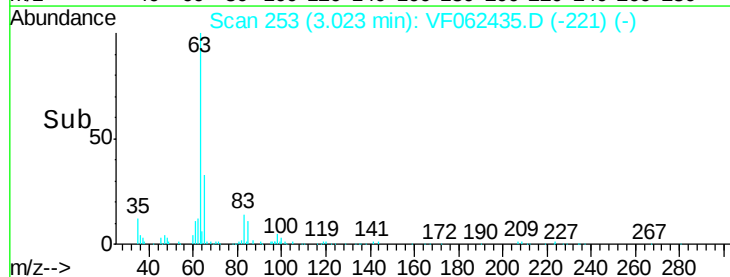
30000

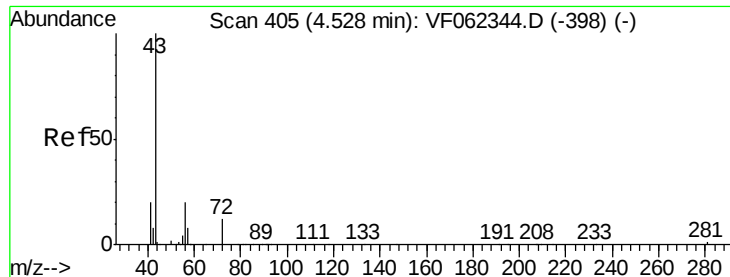
20000

10000

0

Time--> 2.90 3.00 3.10





#25

2-Butanone

Concen: 106.478 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA\_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 43 Resp: 76128

Ion Ratio Lower Upper

43 100

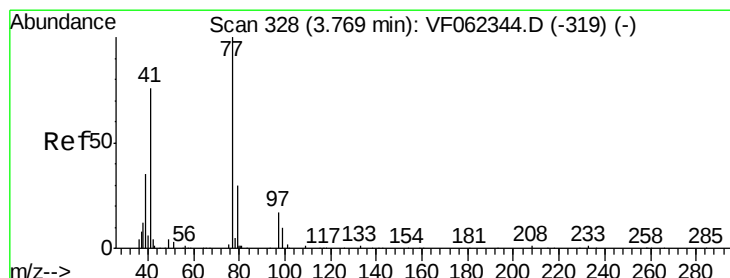
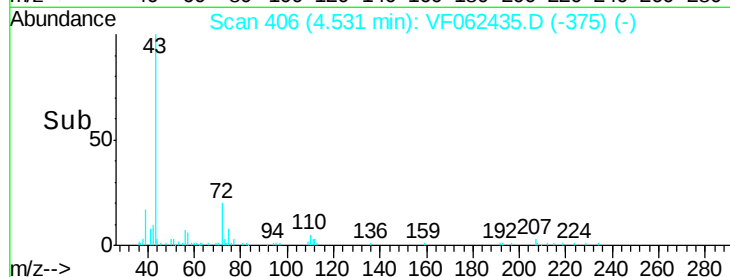
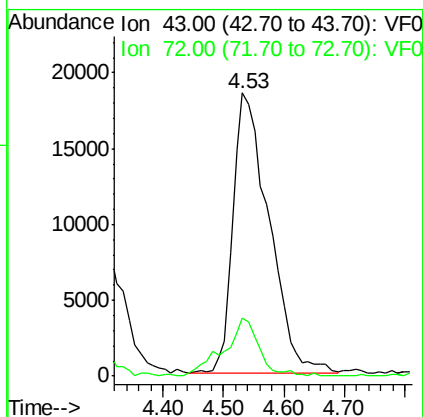
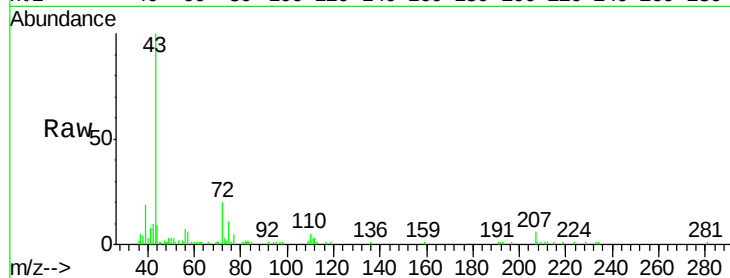
72 20.6 14.2 21.4

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#26

2,2-Dichloropropane

Concen: 22.747 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF062435.D

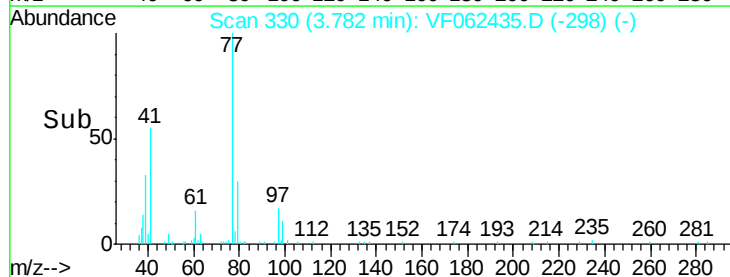
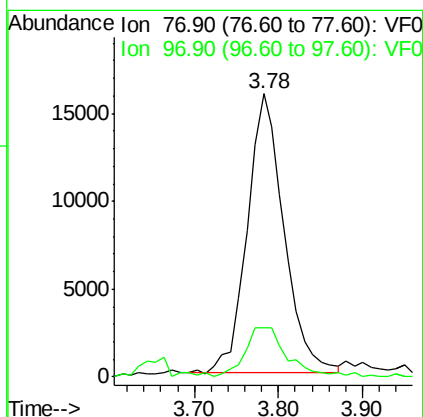
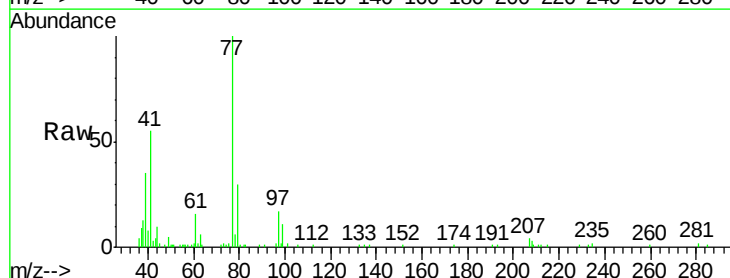
Acq: 10 May 2019 23:02

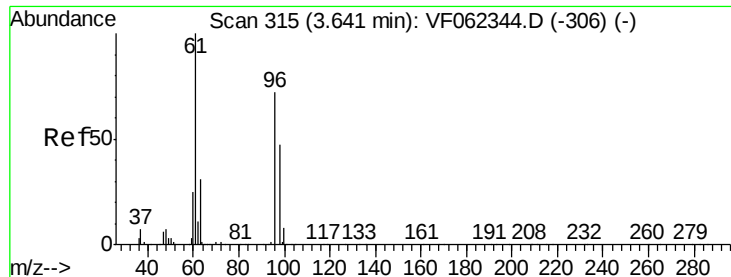
Tgt Ion: 77 Resp: 48377

Ion Ratio Lower Upper

77 100

97 20.6 9.5 28.5





#27

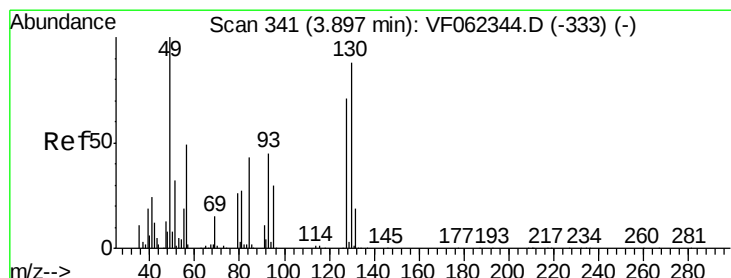
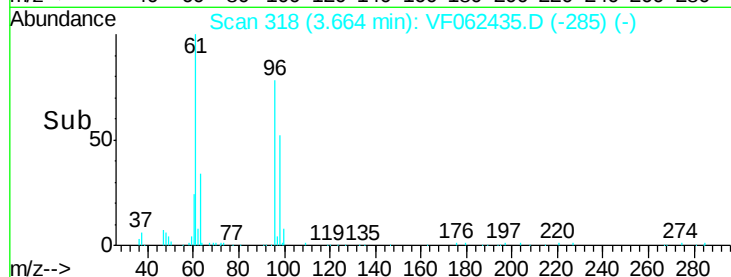
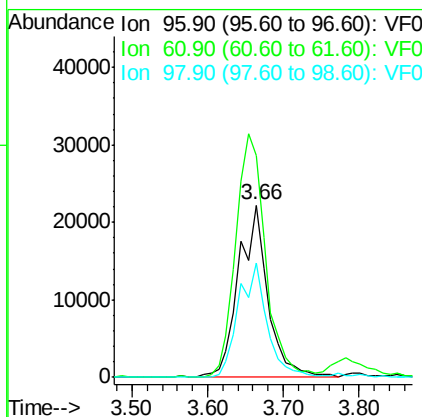
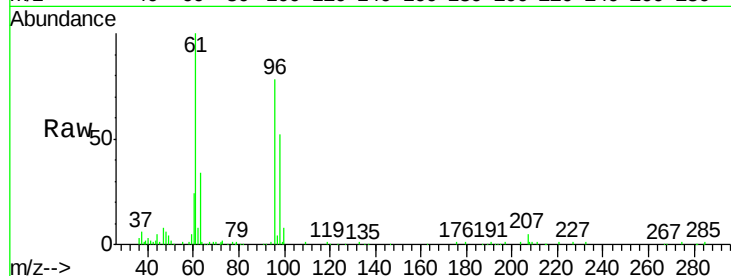
cis-1,2-Dichloroethene  
Concen: 21.899 ug/l  
RT: 3.66 min Scan# 318  
Delta R.T. 0.02 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0510SBS02

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 59525 |       |       |
| 61      | 143.0 | 0.0   | 263.0 |       |
| 98      | 64.6  | 0.0   | 130.8 |       |

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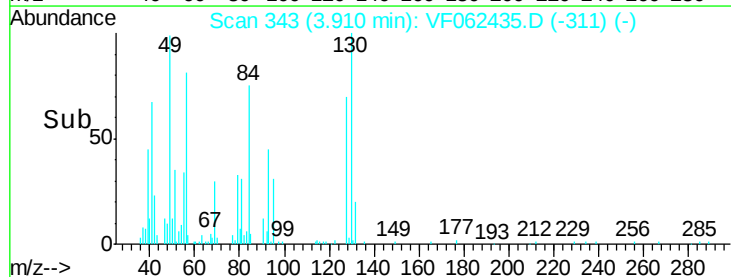
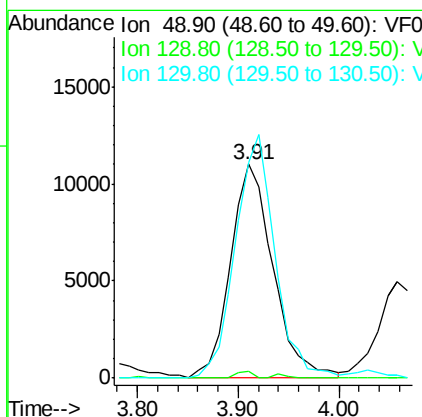
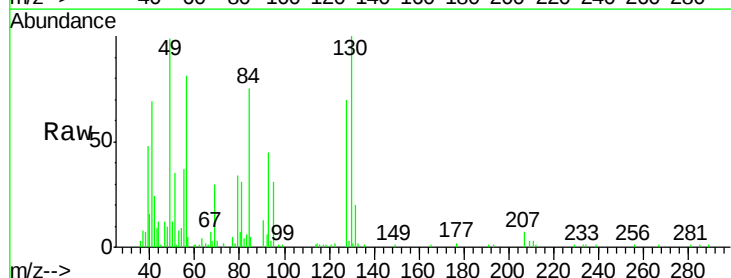
mohammad  
5/14/2019 8:35:48 AM

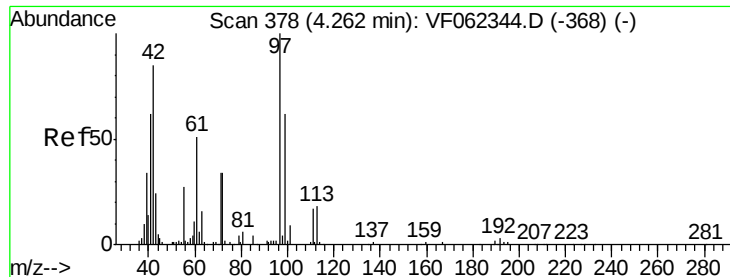


#28

Bromochloromethane  
Concen: 18.803 ug/l  
RT: 3.91 min Scan# 343  
Delta R.T. 0.01 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 32475 |       |       |
| 129     | 1.1   | 0.0   | 2.2   |       |
| 130     | 105.2 | 79.4  | 119.0 |       |





#29

Tetrahydrofuran

Concen: 110.412 ug/l

RT: 4.28 min Scan# 381

Delta R.T. 0.02 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA\_F

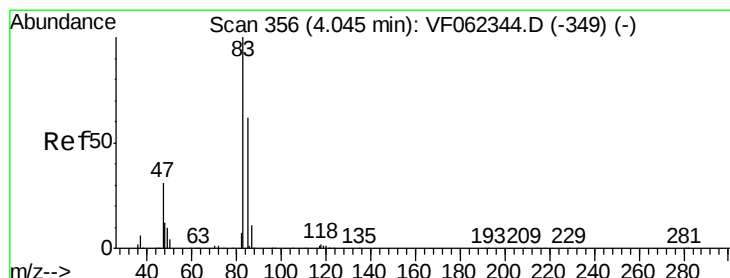
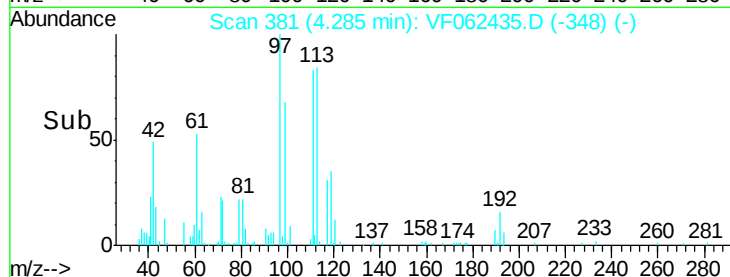
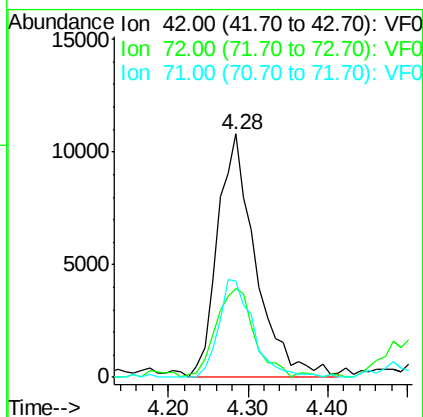
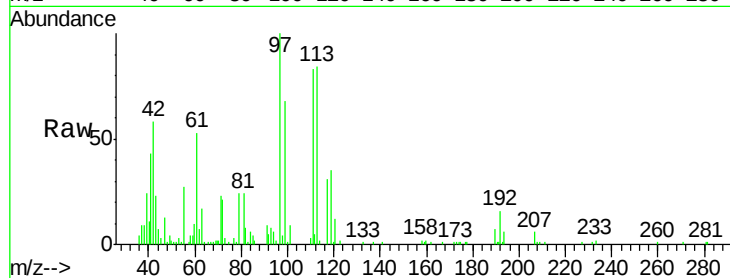
ClientSampleId :

VF0510SBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 36281 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 36.7  | 31.4  | 47.0  |
| 71       | 36.0  | 31.7  | 47.5  |

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#30

Chloroform

Concen: 25.284 ug/l

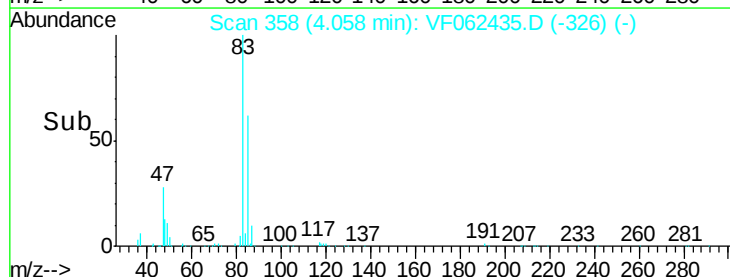
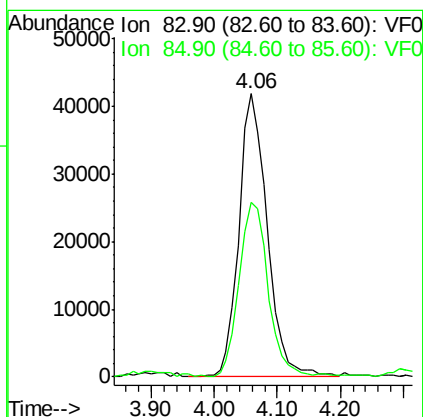
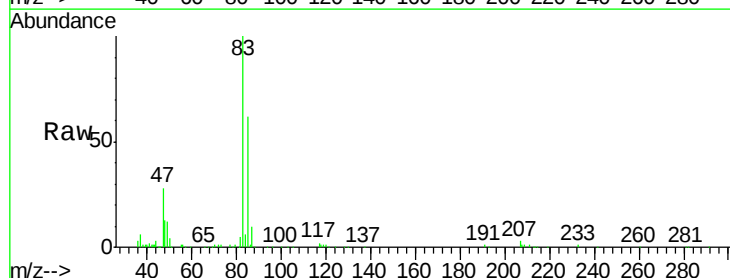
RT: 4.06 min Scan# 358

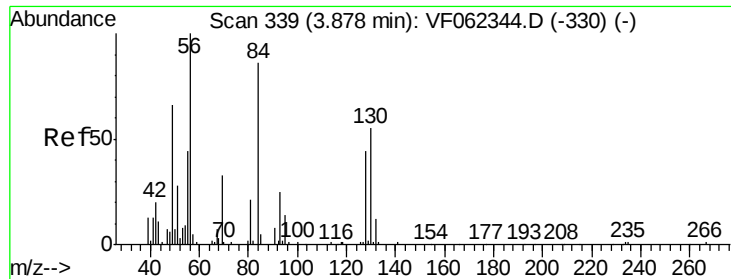
Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 130084 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 60.9  | 49.6  | 74.4   |





#31

Cyclohexane

Concen: 21.422 ug/l

RT: 3.89 min Scan# 341

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA\_F

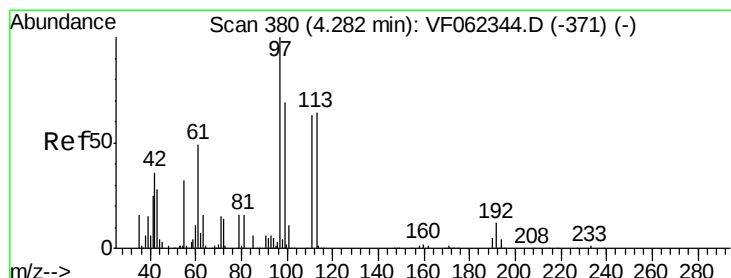
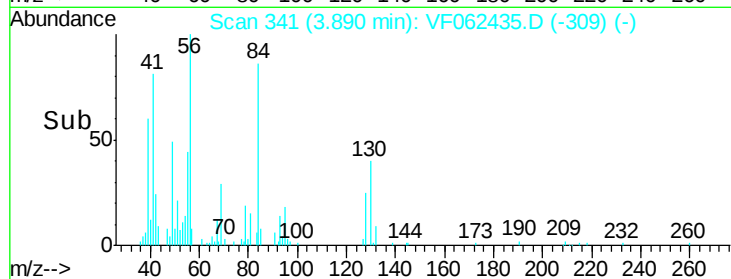
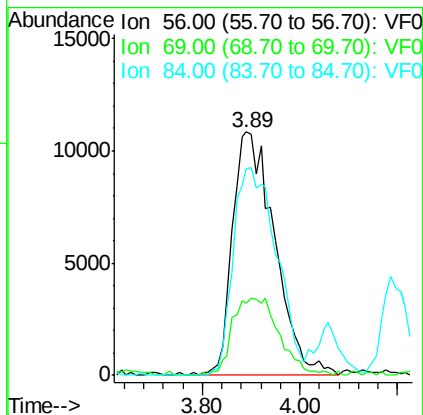
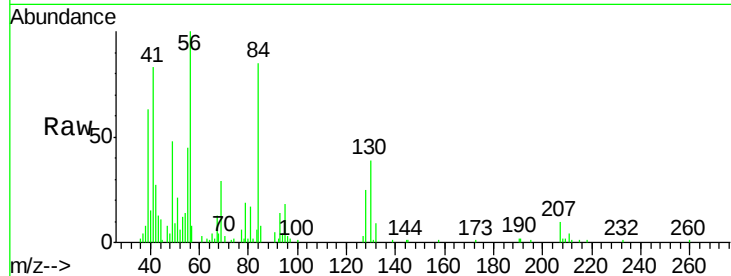
ClientSampleId :

VF0510SBS02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 65117 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 29.4  | 26.4  | 39.6  |
| 84        | 84.8  | 69.0  | 103.6 |

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#32

1,1,1-Trichloroethane

Concen: 24.529 ug/l m

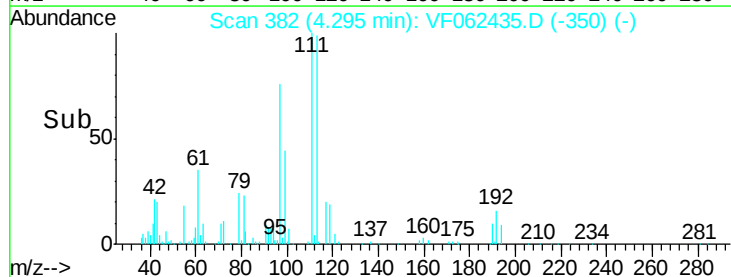
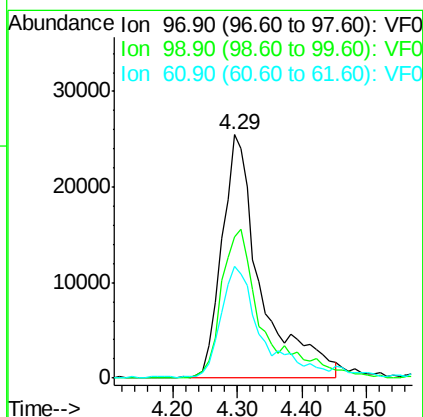
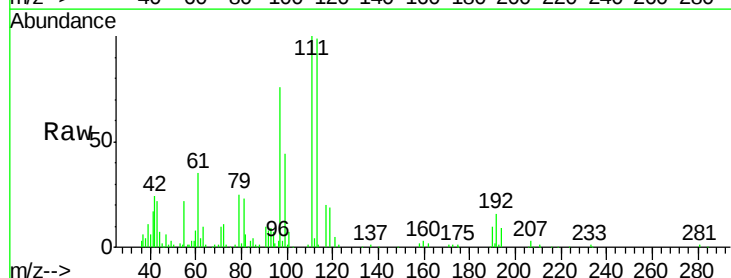
RT: 4.29 min Scan# 382

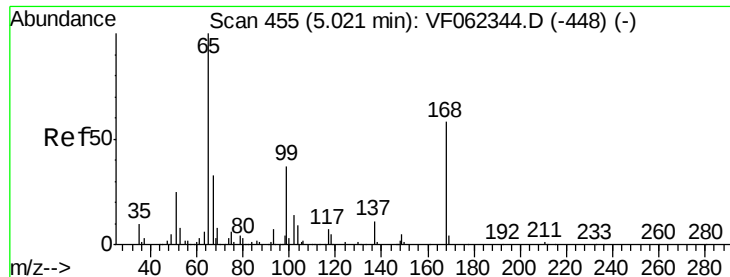
Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 108161 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 65.1  | 52.6  | 78.8   |
| 61        | 48.2  | 39.4  | 59.0   |





#33

1,2-Dichloroethane-d4

Concen: 59.374 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA\_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 65 Resp: 167032

Ion Ratio Lower Upper

65 100

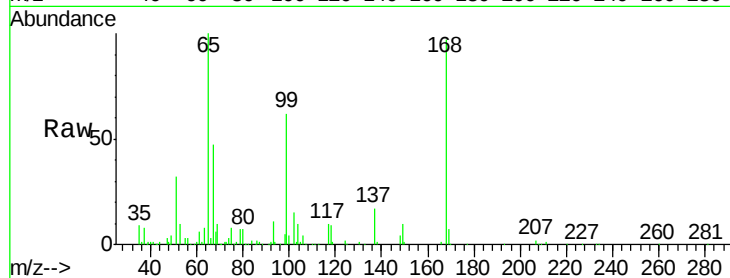
67 45.0 0.0 85.8

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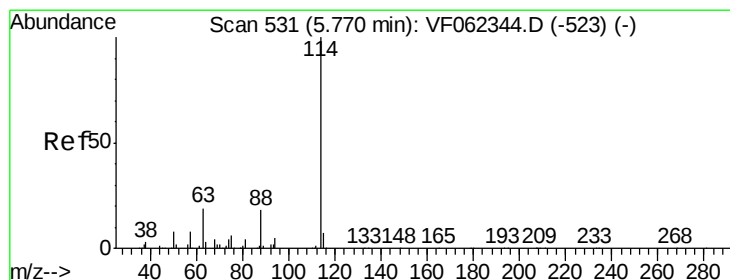
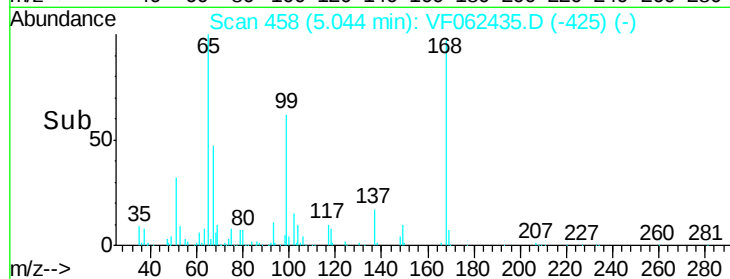
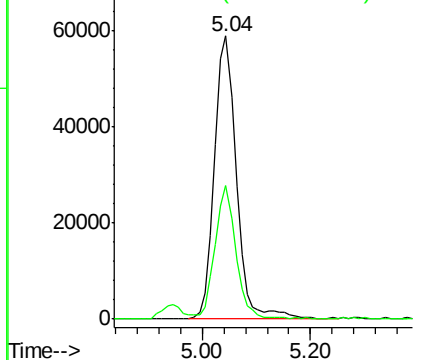
mohammad

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Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

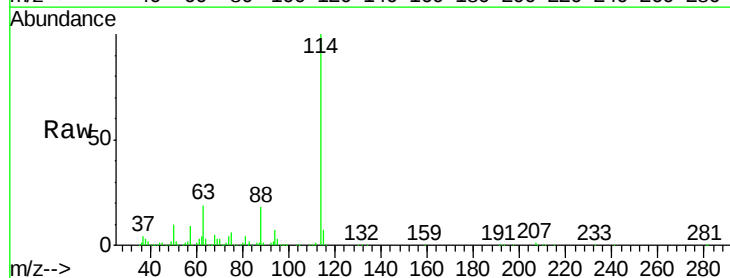
Tgt Ion: 114 Resp: 406782

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.4

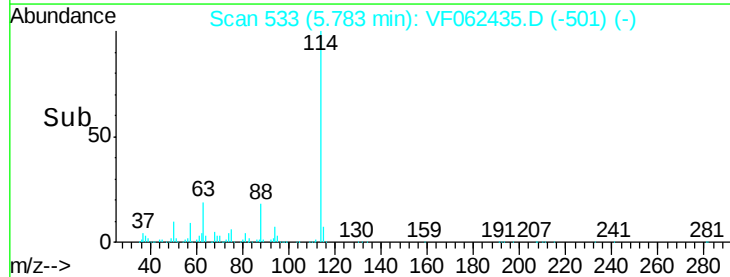
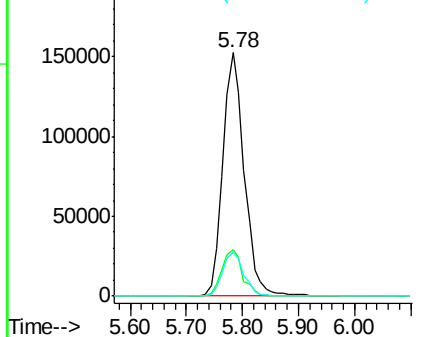
88 17.9 0.0 36.4

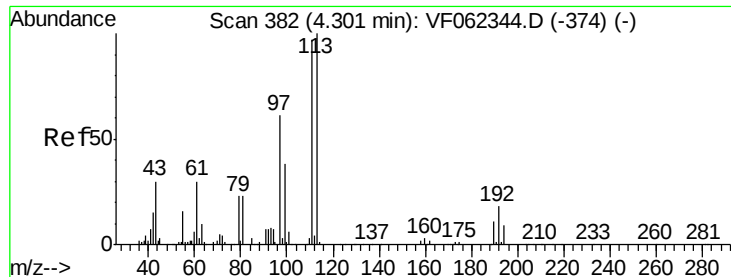


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0





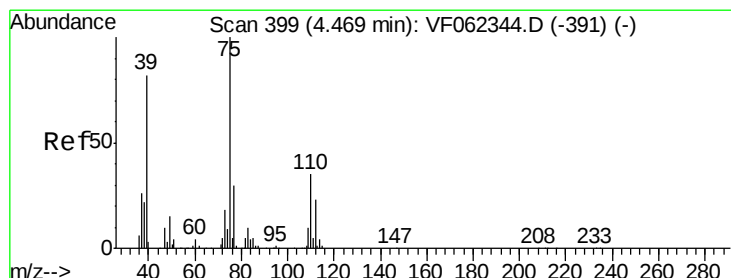
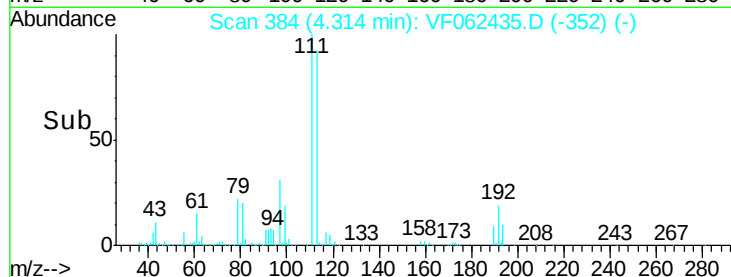
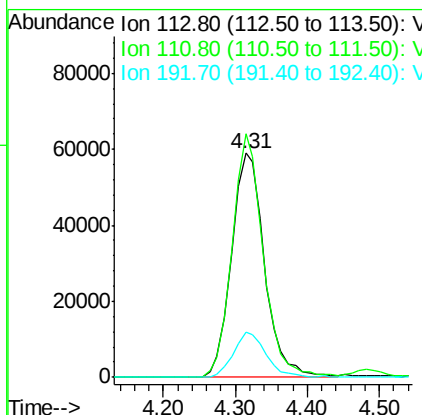
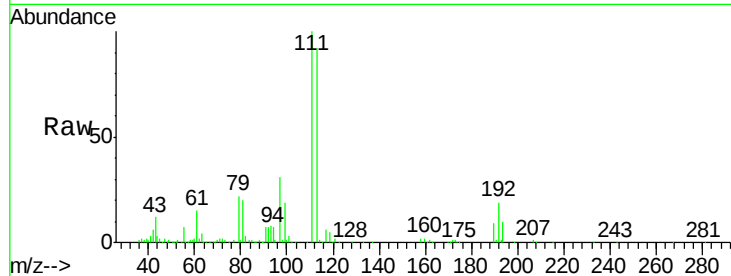
#35  
 Dibromofluoromethane  
 Concen: 58.223 ug/l  
 RT: 4.31 min Scan# 384  
 Delta R.T. 0.01 min  
 Lab File: VF062435.D  
 Acq: 10 May 2019 23:02

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0510SBS02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 188688 |       |       |
| 111     | 101.5 | 79.4   | 119.0 |       |
| 192     | 20.3  | 16.0   | 24.0  |       |

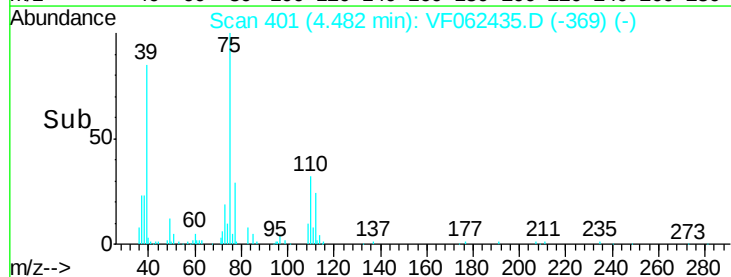
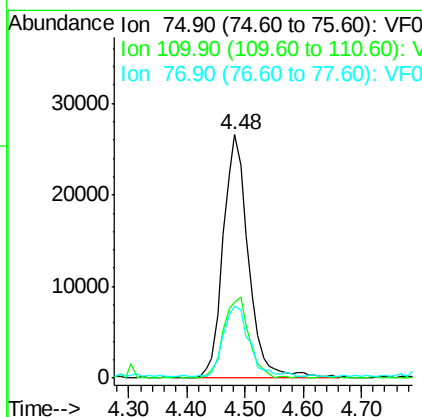
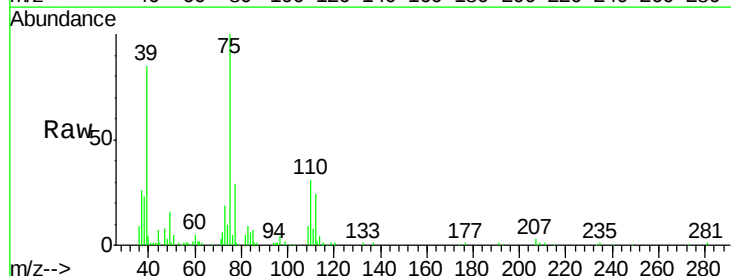
Manual Integrations  
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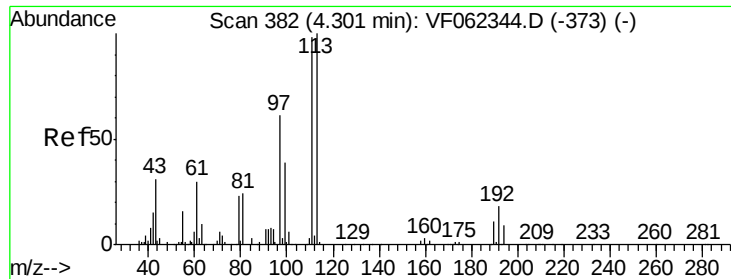
mohammad  
 5/14/2019 8:35:48 AM



#36  
 1,1-Dichloropropene  
 Concen: 23.006 ug/l  
 RT: 4.48 min Scan# 401  
 Delta R.T. 0.01 min  
 Lab File: VF062435.D  
 Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 80392 |       |       |
| 110     | 33.5  | 17.2  | 51.5  |       |
| 77      | 30.3  | 25.2  | 37.8  |       |





#37

Ethyl Acetate

Concen: 22.772 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA\_F

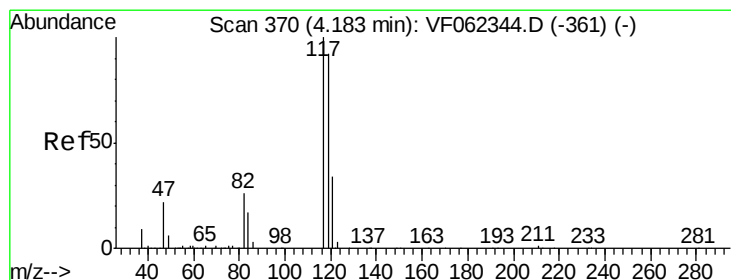
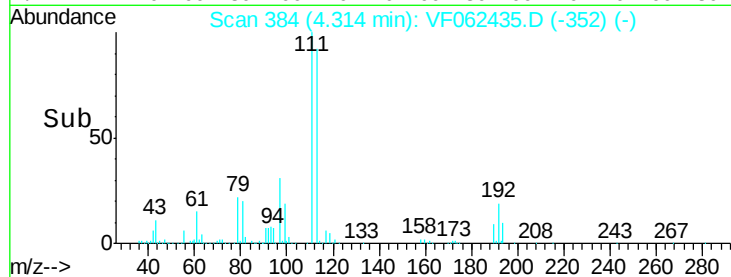
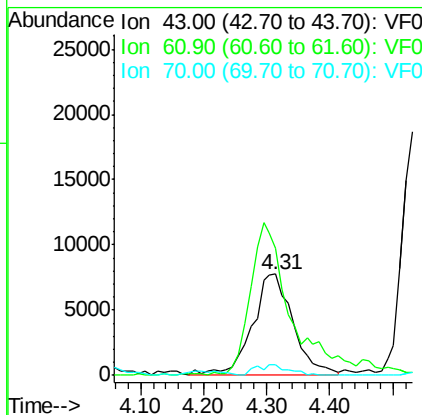
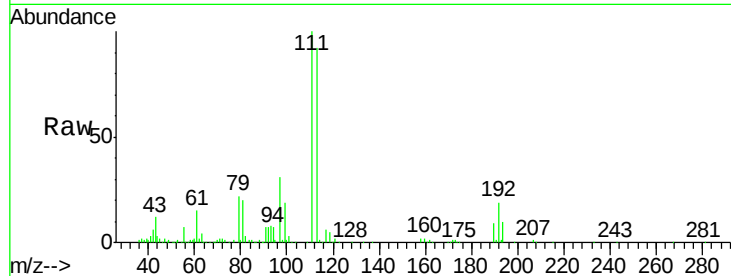
ClientSampleId :

VF0510SBS02

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 43      | 100   | 34891 |       |       |
| 61      | 149.3 | 0.0   | 0.0#  |       |
| 70      | 8.1   | 8.2   | 12.2# |       |

Manual Integrations  
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#38

Carbon Tetrachloride

Concen: 25.747 ug/l

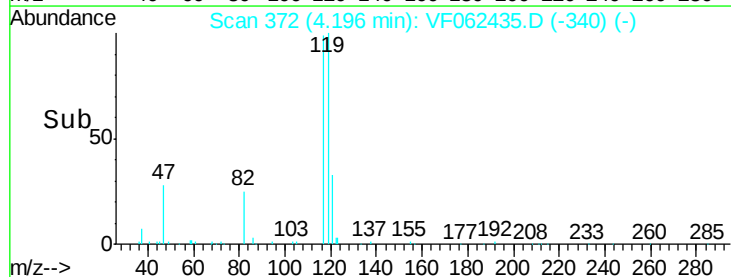
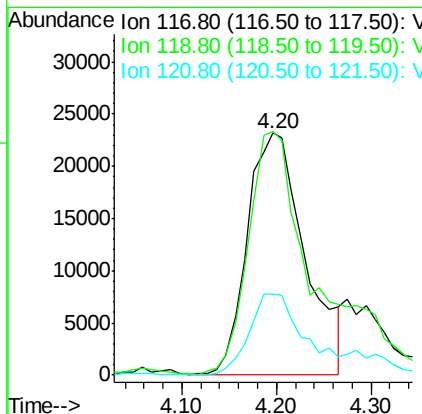
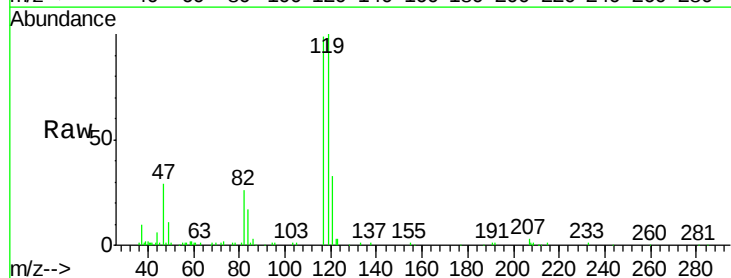
RT: 4.20 min Scan# 372

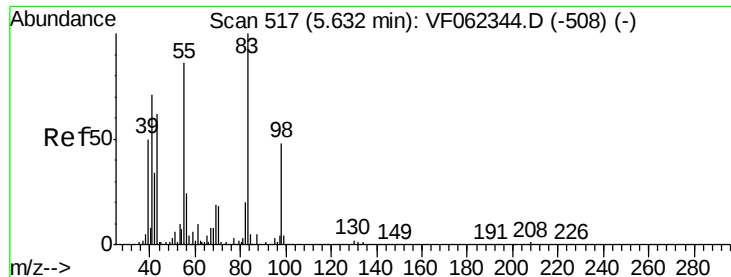
Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 98208 |       |       |
| 119     | 99.8  | 73.4  | 110.2 |       |
| 121     | 33.6  | 27.4  | 41.0  |       |





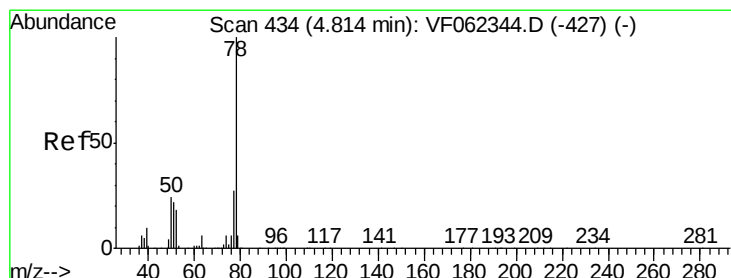
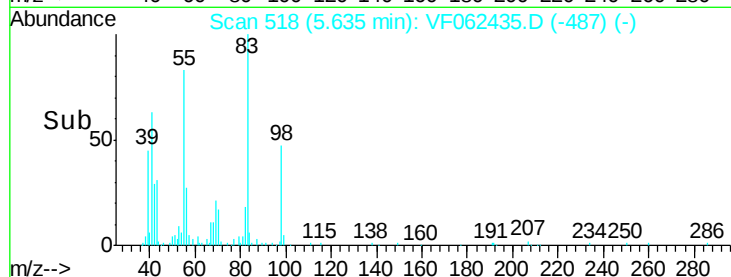
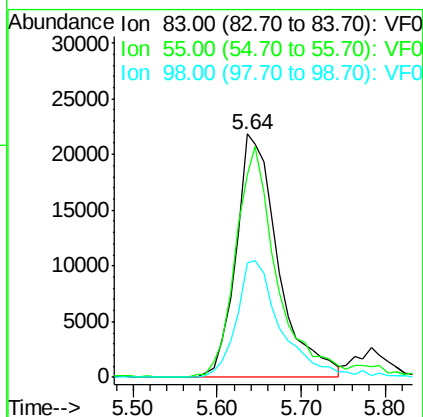
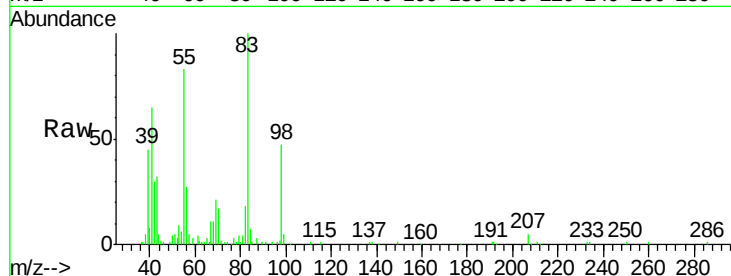
#39  
Methylcyclohexane  
Concen: 21.730 ug/l  
RT: 5.64 min Scan# 518  
Delta R.T. 0.00 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0510SBS02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 83.1  | 69.0  | 103.6 |
| 98      | 47.0  | 38.6  | 58.0  |

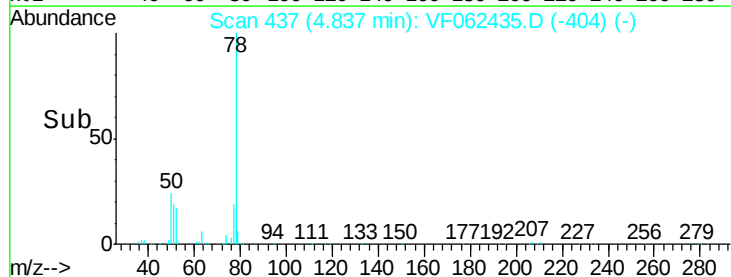
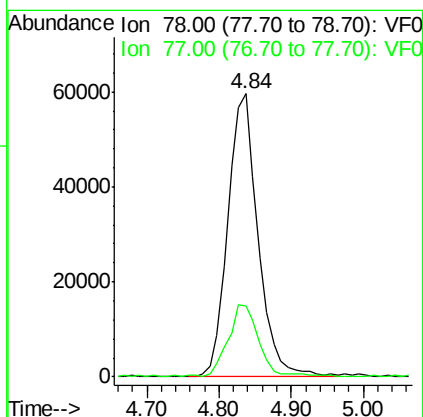
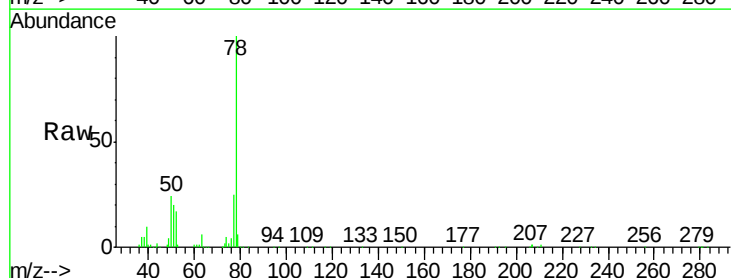
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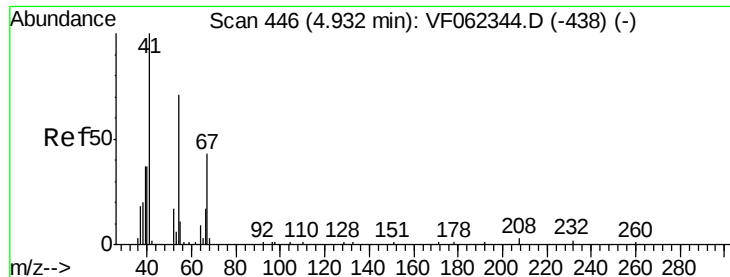
mohammad  
5/14/2019 8:35:48 AM



#40  
Benzene  
Concen: 22.664 ug/l  
RT: 4.84 min Scan# 437  
Delta R.T. 0.02 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 25.1  | 21.6  | 32.4  |





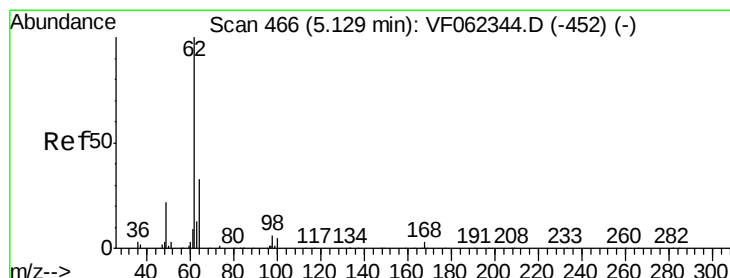
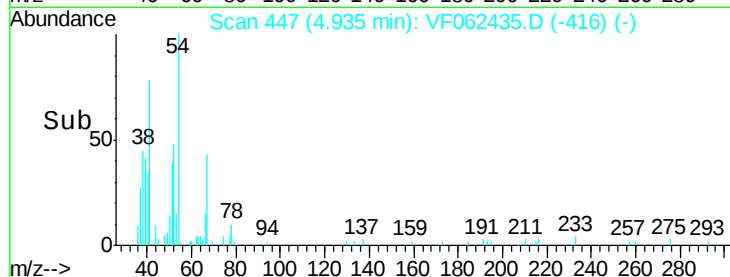
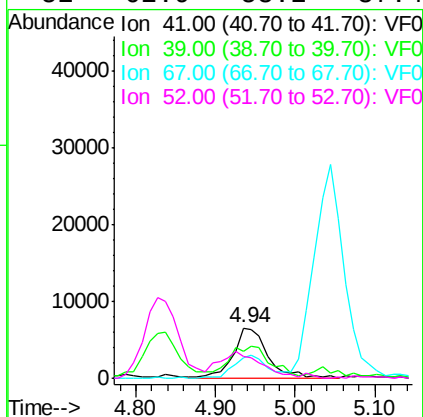
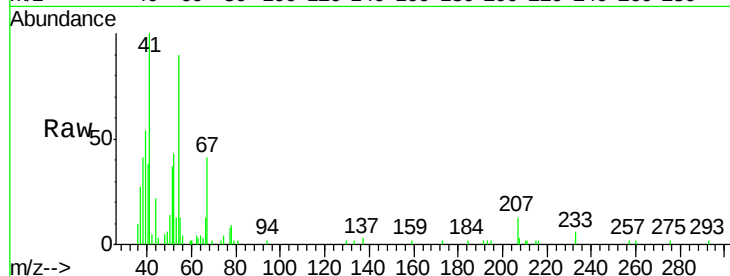
#41  
Methacrylonitrile  
Concen: 23.985 ug/l  
RT: 4.94 min Scan# 447  
Delta R.T. 0.00 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0510SBS02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 67.9  | 54.3  | 81.5  |
| 67      | 40.7  | 37.8  | 56.8  |
| 52      | 62.9  | 58.2  | 87.4  |

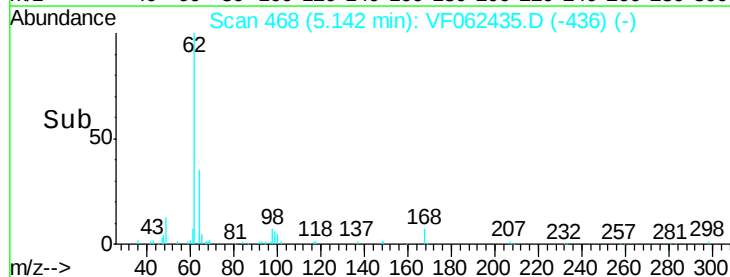
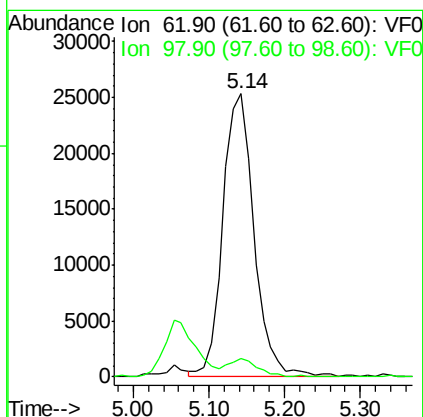
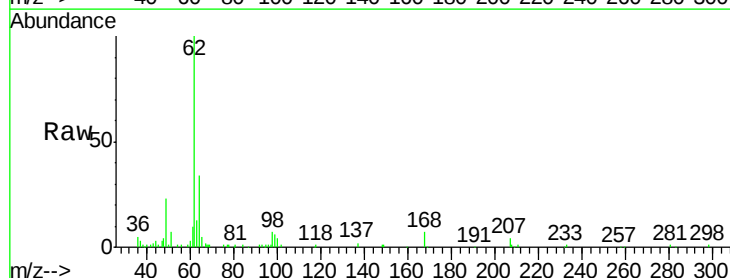
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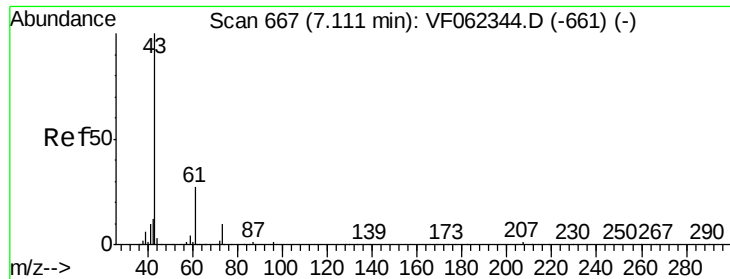
mohammad  
5/14/2019 8:35:48 AM



#42  
1,2-Dichloroethane  
Concen: 22.591 ug/l  
RT: 5.14 min Scan# 468  
Delta R.T. 0.01 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 6.0   | 0.0   | 12.4  |





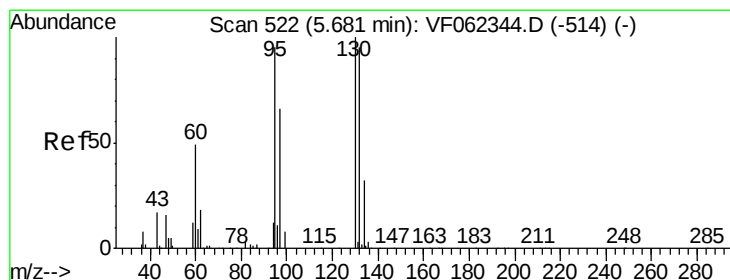
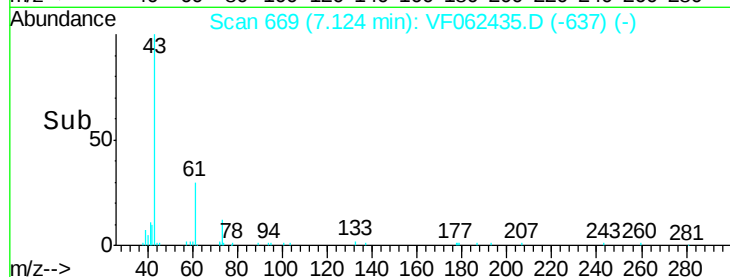
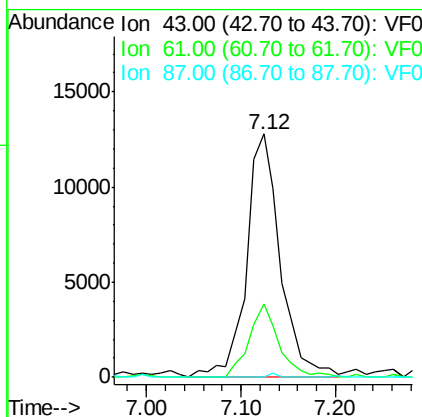
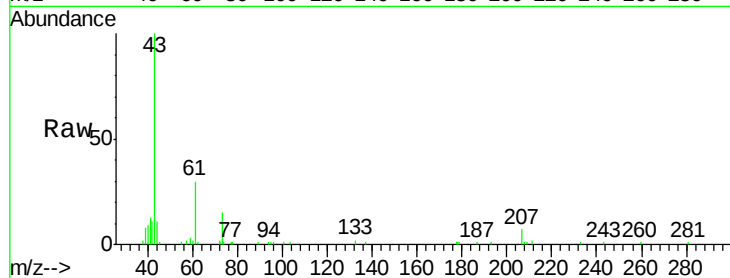
#43  
Isopropyl Acetate  
Concen: 19.909 ug/l  
RT: 7.12 min Scan# 669  
Delta R.T. 0.01 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0510SBS02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 26.7  | 22.8  | 34.2  |
| 87      | 0.4   | 0.6   | 1.0   |

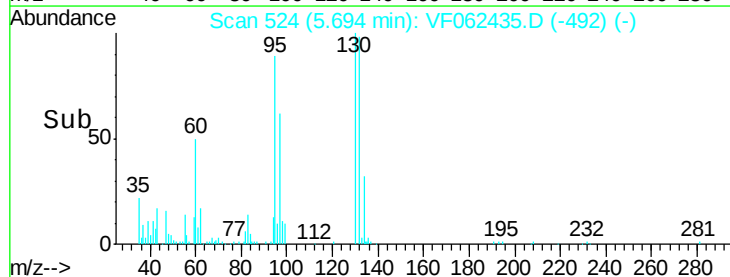
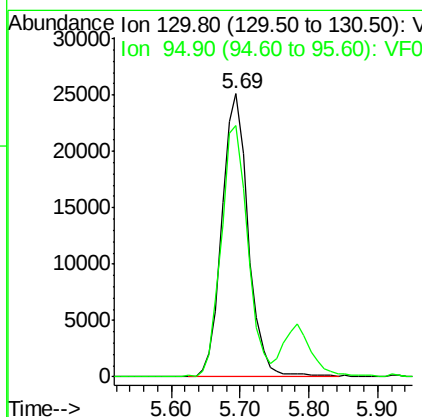
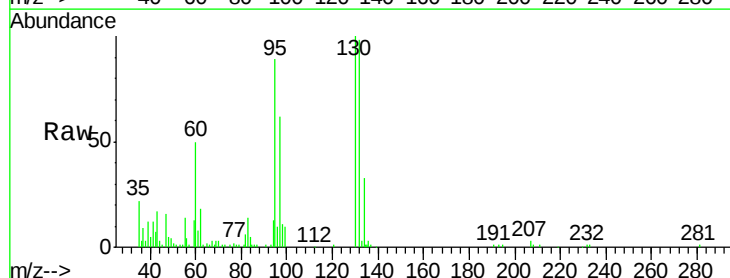
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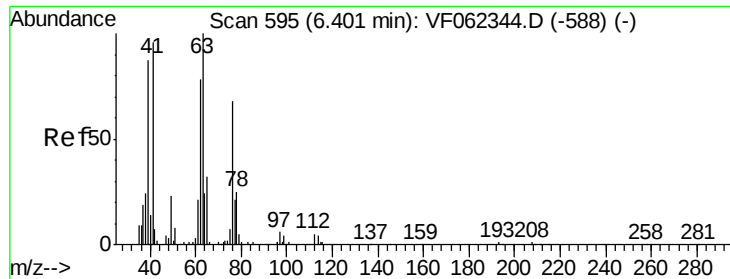
mohammad  
5/14/2019 8:35:48 AM



#44  
Trichloroethene  
Concen: 23.539 ug/l  
RT: 5.69 min Scan# 524  
Delta R.T. 0.01 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 88.5  | 0.0   | 189.0 |





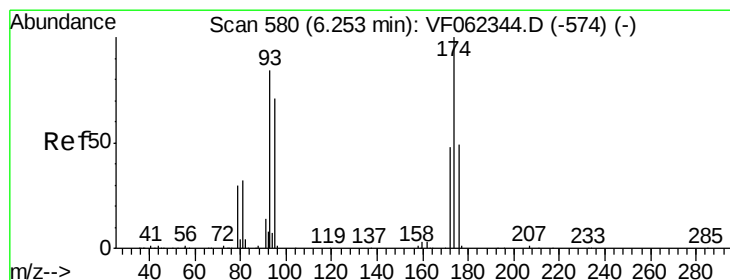
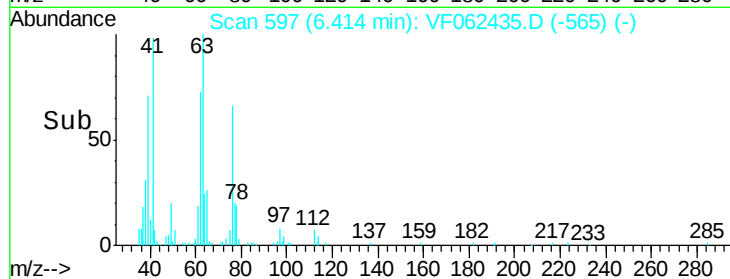
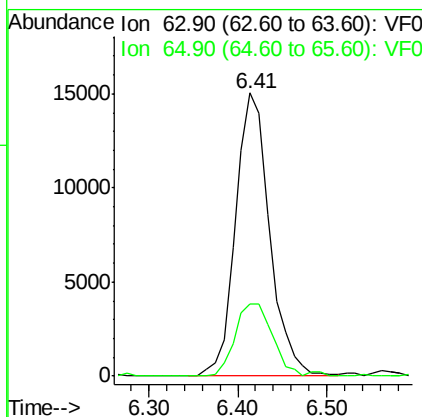
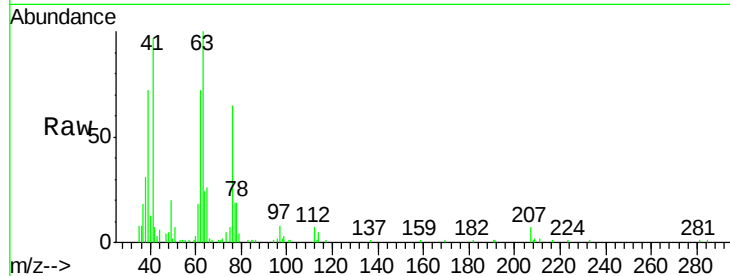
#45  
1,2-Dichloropropane  
Concen: 23.082 ug/l  
RT: 6.41 min Scan# 597  
Delta R.T. 0.01 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0510SBS02

Tgt Ion: 63 Resp: 40230  
Ion Ratio Lower Upper  
63 100  
65 25.6 25.6 38.4

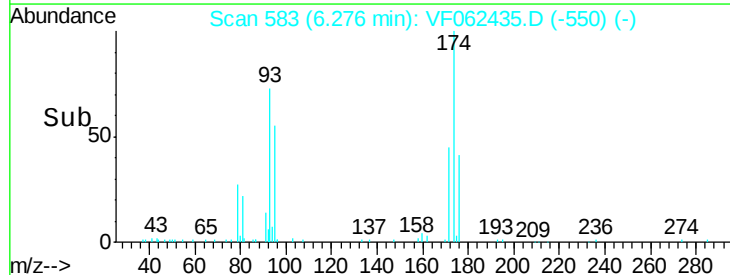
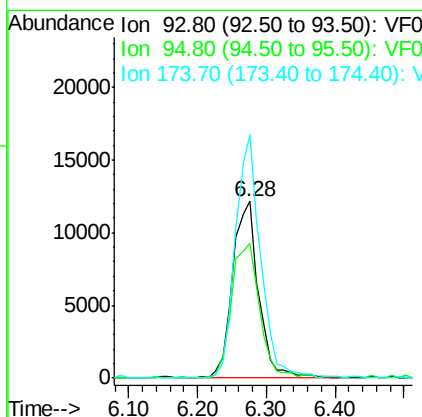
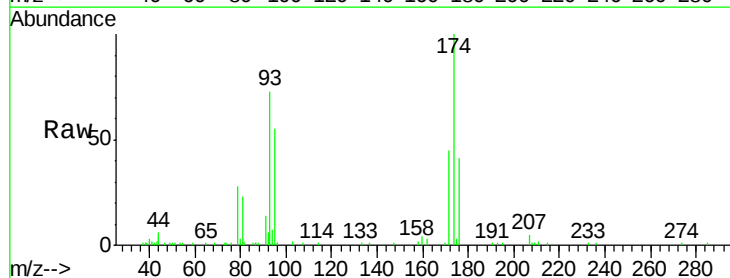
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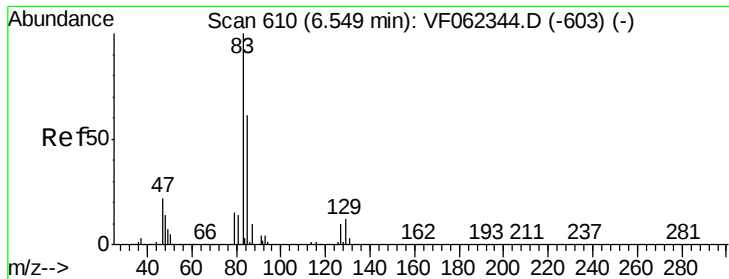
mohammad  
5/14/2019 8:35:48 AM



#46  
Dibromomethane  
Concen: 22.176 ug/l  
RT: 6.28 min Scan# 583  
Delta R.T. 0.02 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Tgt Ion: 93 Resp: 32046  
Ion Ratio Lower Upper  
93 100  
95 81.8 68.4 102.6  
174 132.0 99.6 149.4





#47

Bromodichloromethane

Concen: 22.304 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA\_F

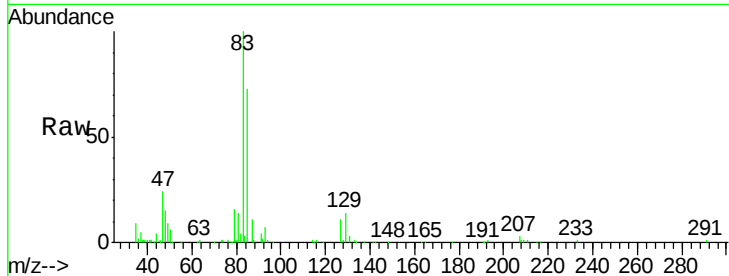
ClientSampleId :

VF0510SBS02

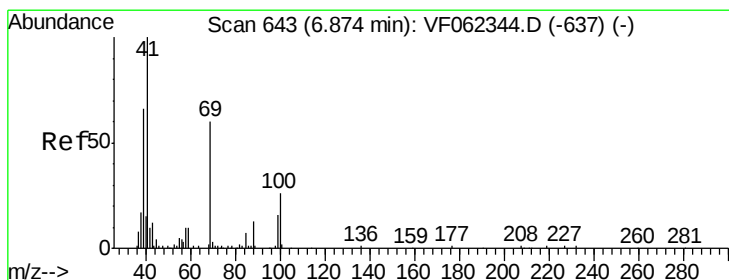
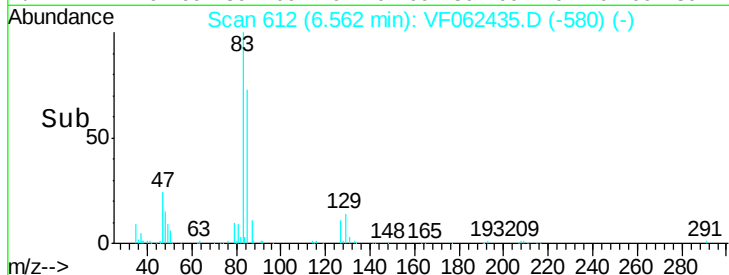
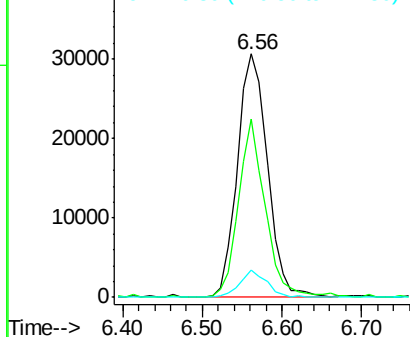
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 80585 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 73.2  | 49.1  | 73.7  |
| 127       | 11.4  | 7.8   | 11.8  |

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Abundance Ion 82.90 (82.60 to 83.60): VF0  
Ion 84.90 (84.60 to 85.60): VF0  
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.171 ug/l

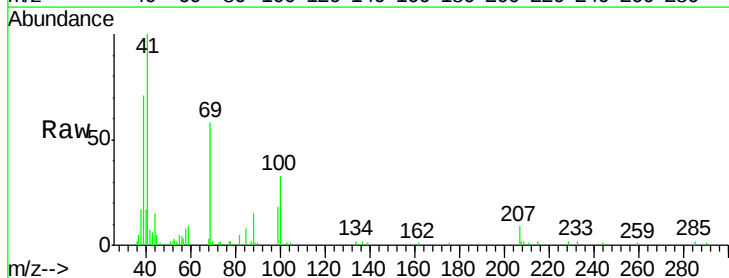
RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

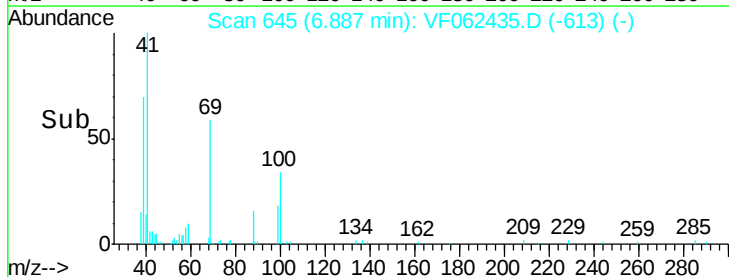
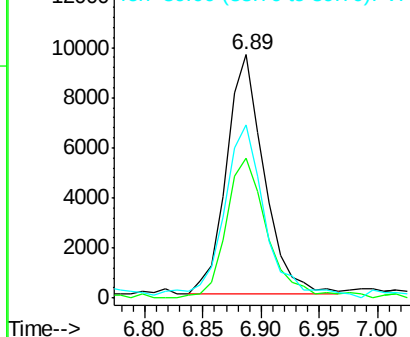
Lab File: VF062435.D

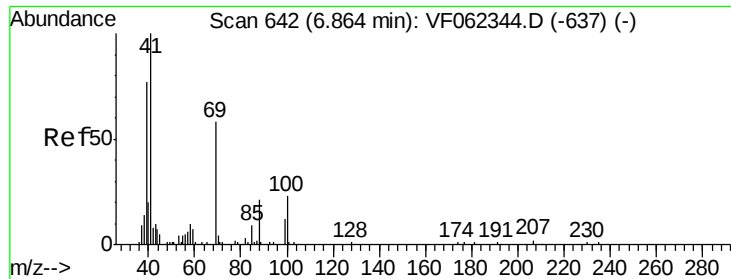
Acq: 10 May 2019 23:02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 21533 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 64.4  | 48.6  | 72.8  |
| 39        | 79.9  | 56.1  | 84.1  |



Abundance Ion 41.00 (40.70 to 41.70): VF0  
Ion 69.00 (68.70 to 69.70): VF0  
Ion 39.00 (38.70 to 39.70): VF0





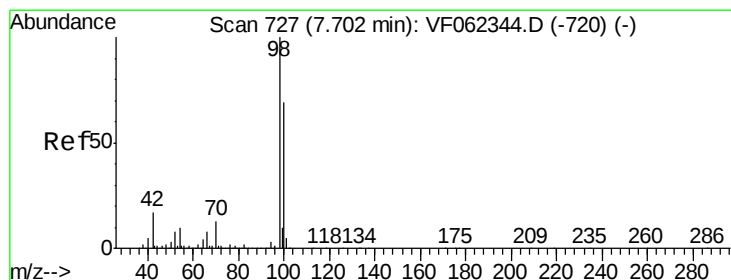
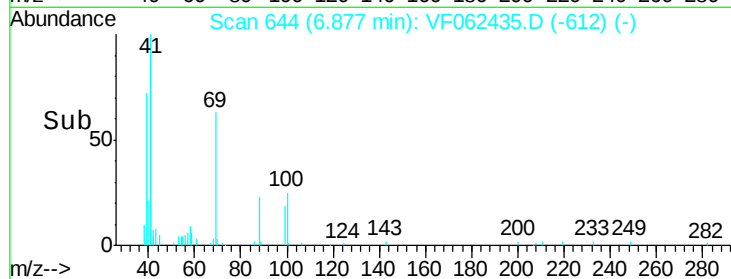
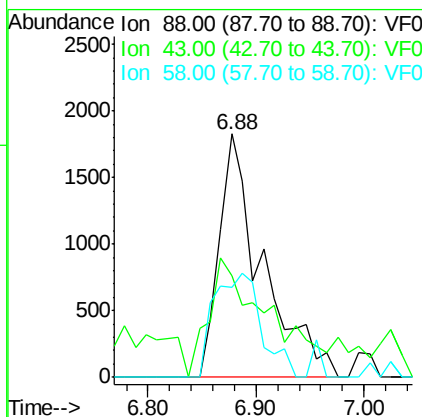
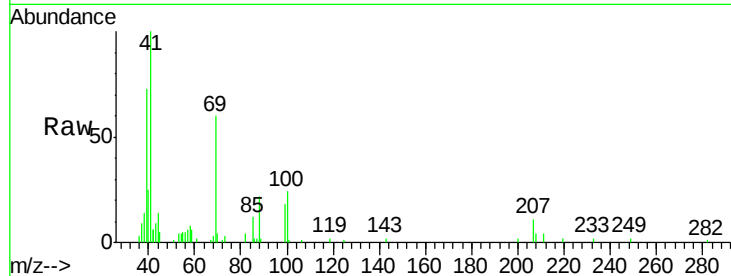
#49  
1,4-Dioxane  
Concen: 431.360 ug/l  
RT: 6.88 min Scan# 644  
Delta R.T. 0.01 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0510SBS02

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 88      | 100   | 5069 |       |       |
| 43      | 69.2  |      | 55.6  | 83.4  |
| 58      | 46.9  |      | 52.8  | 79.2# |

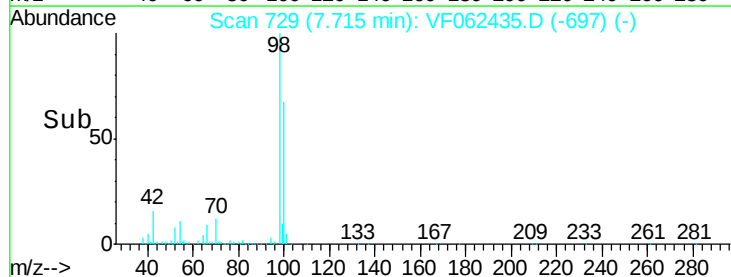
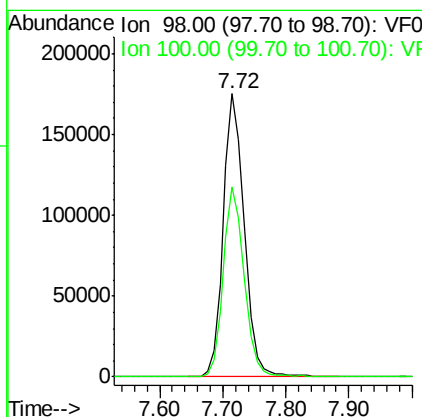
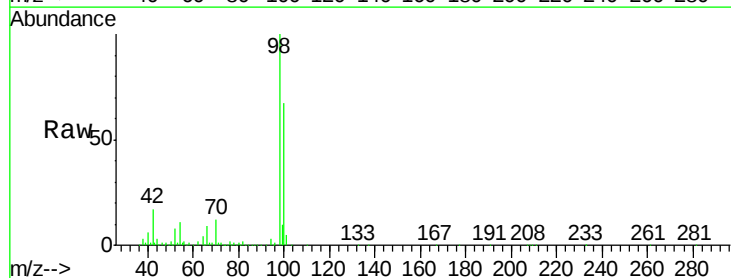
Manual Integrations  
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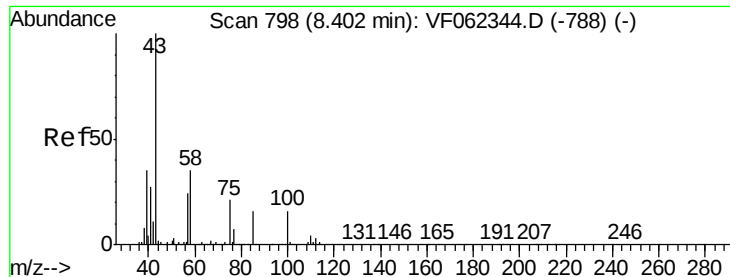
mohammad  
5/14/2019 8:35:48 AM



#50  
Toluene-d8  
Concen: 51.777 ug/l  
RT: 7.72 min Scan# 729  
Delta R.T. 0.01 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 98      | 100   | 406177 |       |       |
| 100     | 67.0  |        | 53.3  | 79.9  |





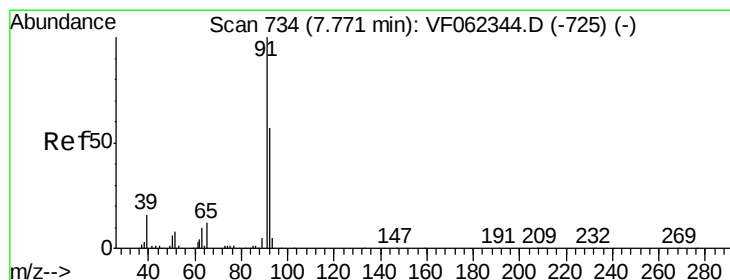
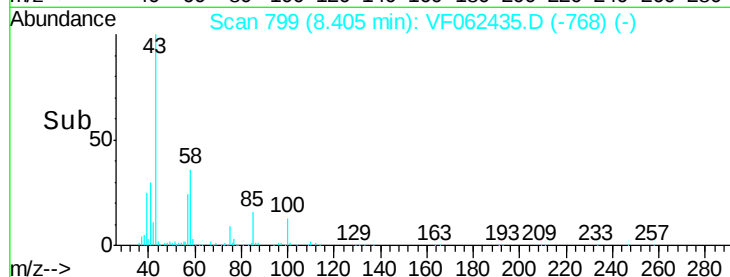
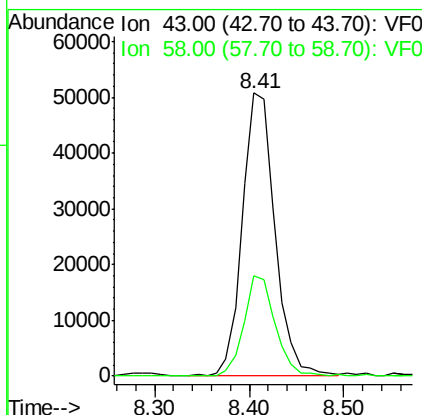
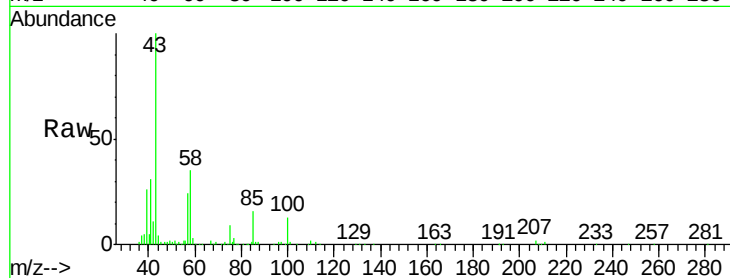
#51  
4-Methyl-2-Pentanone  
Concen: 100.802 ug/l  
RT: 8.41 min Scan# 799  
Delta R.T. 0.00 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0510SBS02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 34.0  | 27.8  | 41.6  |

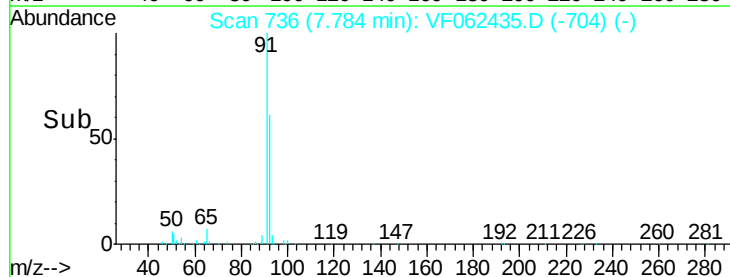
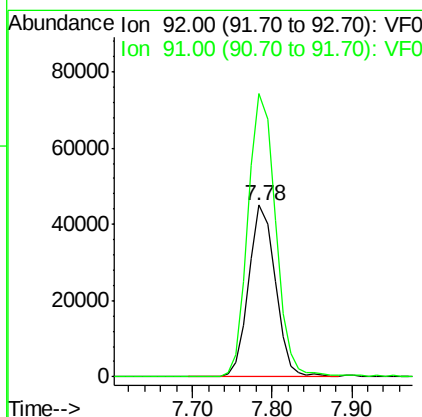
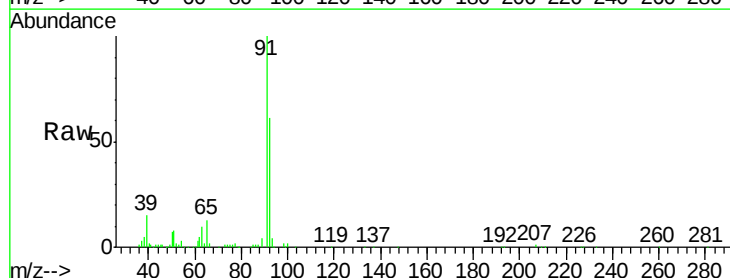
Manual Integrations  
APPROVED

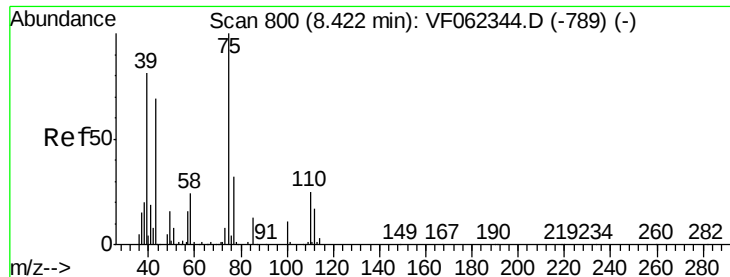
mohammad  
5/14/2019 8:35:48 AM



#52  
Toluene  
Concen: 21.944 ug/l  
RT: 7.78 min Scan# 736  
Delta R.T. 0.01 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 169.5 | 138.7 | 208.1 |





#53

t-1,3-Dichloropropene

Concen: 21.095 ug/l

RT: 8.43 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA\_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 75 Resp: 57644

Ion Ratio Lower Upper

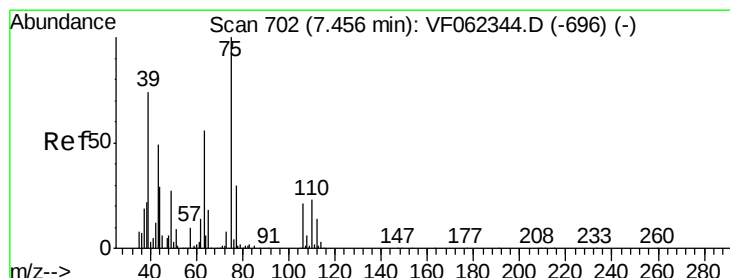
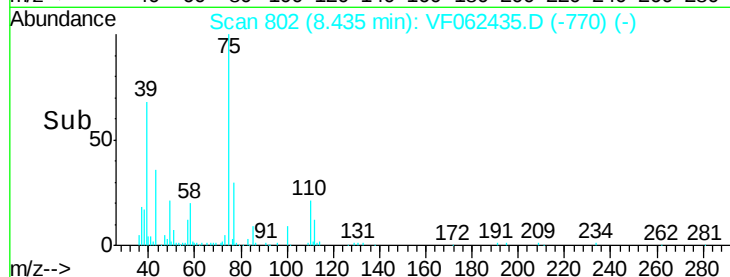
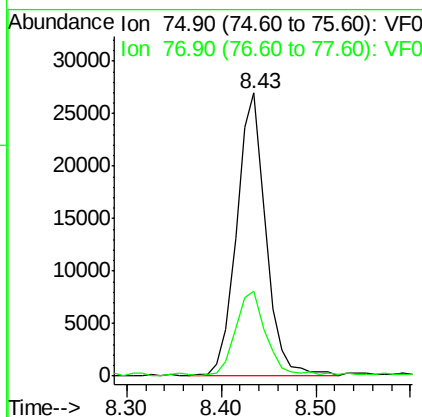
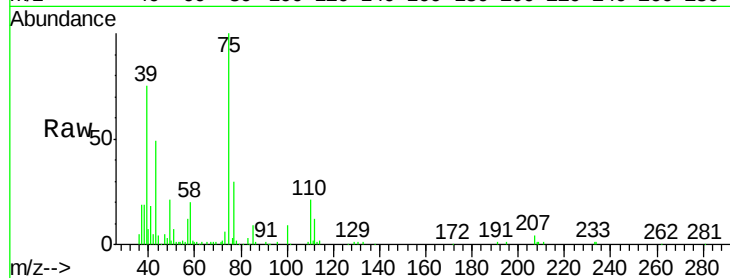
75 100

77 29.6 25.4 38.0

Manual Integrations  
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#54

cis-1,3-Dichloropropene

Concen: 21.304 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

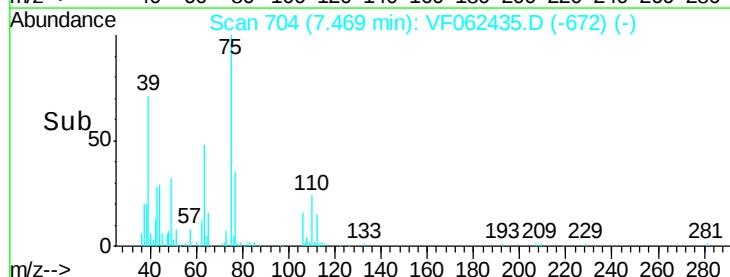
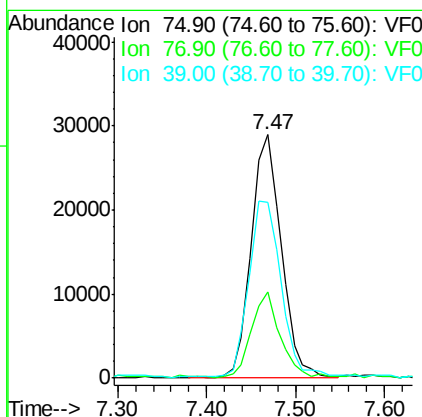
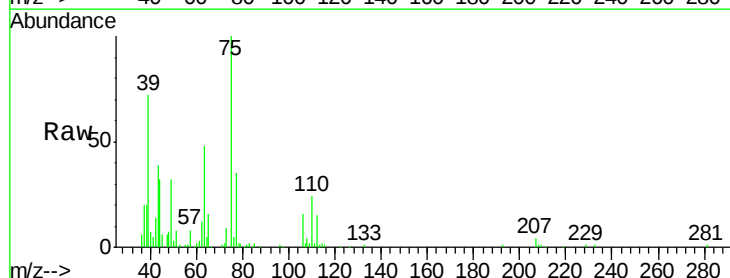
Tgt Ion: 75 Resp: 67752

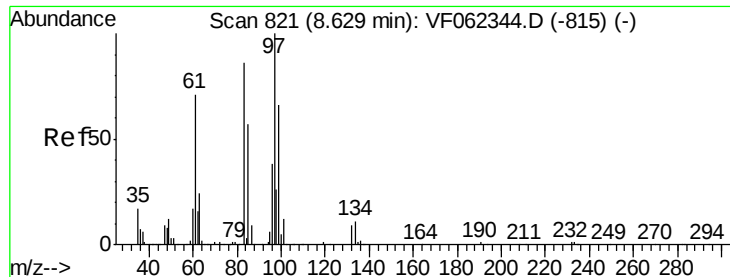
Ion Ratio Lower Upper

75 100

77 34.6 24.0 36.0

39 71.5 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 20.930 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA\_F

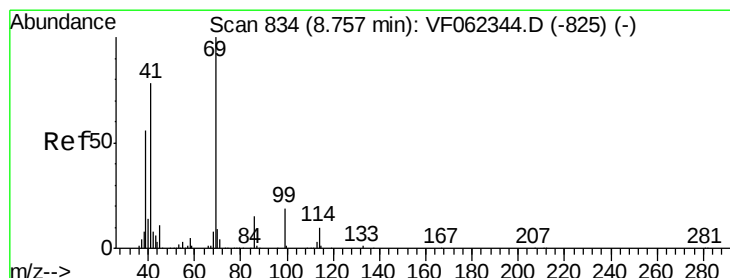
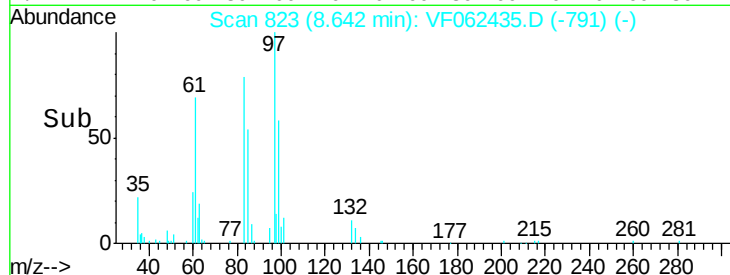
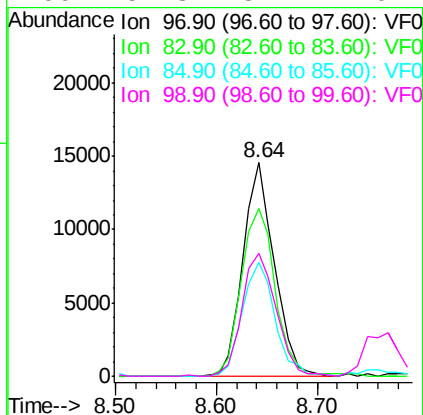
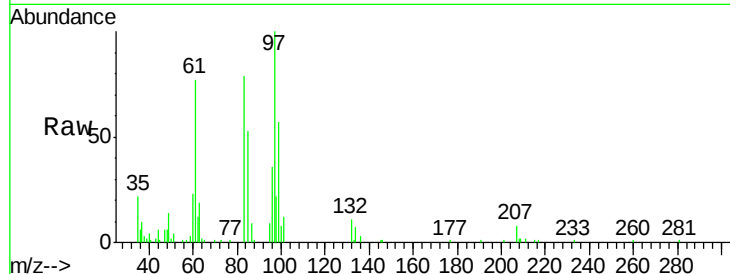
ClientSampleId :

VF0510SBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 31540 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 78.8  | 68.5  | 102.7 |
| 85       | 53.2  | 45.4  | 68.2  |
| 99       | 57.3  | 52.7  | 79.1  |

Manual Integrations  
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#56

Ethyl methacrylate

Concen: 19.604 ug/l

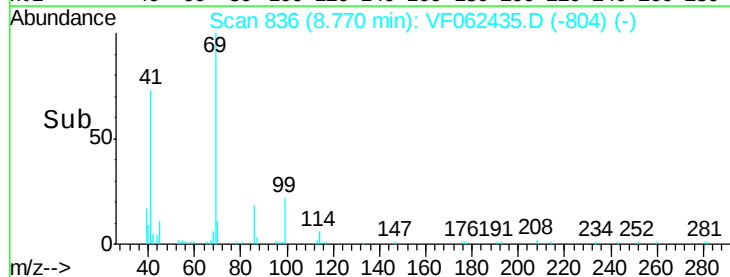
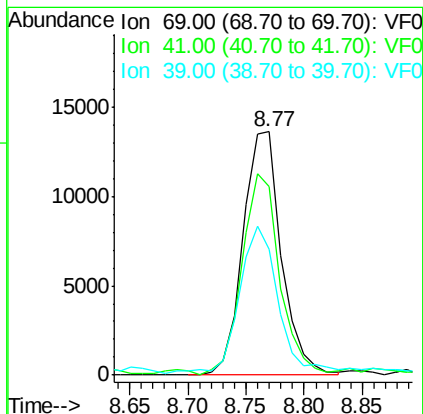
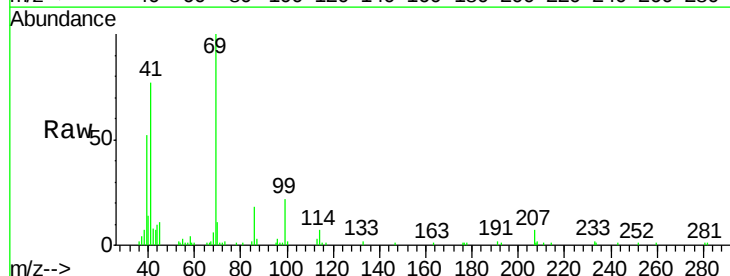
RT: 8.77 min Scan# 836

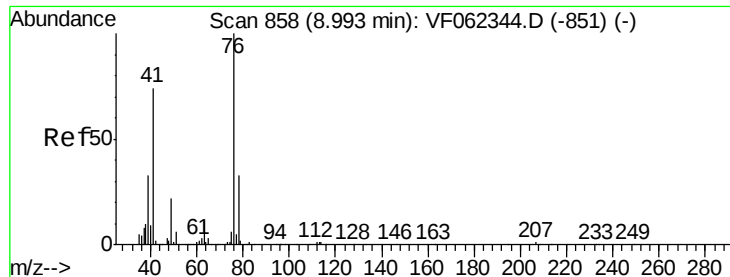
Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 31185 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 81.1  | 66.3  | 99.5  |
| 39       | 62.2  | 50.1  | 75.1  |





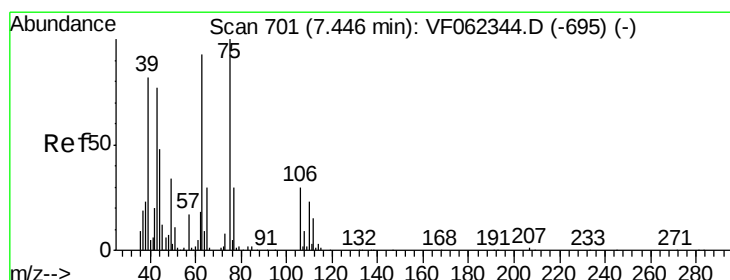
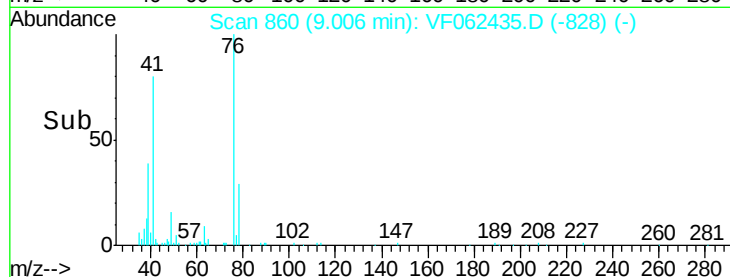
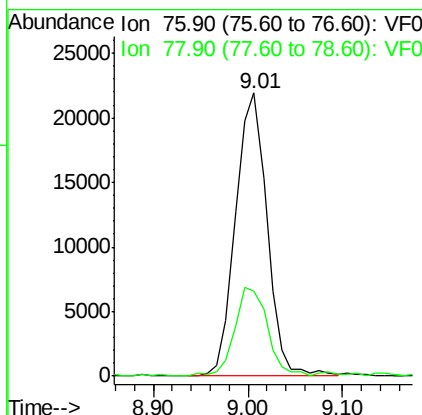
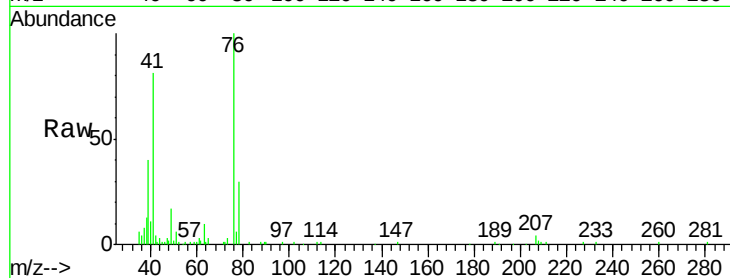
#57  
 1,3-Dichloropropane  
 Concen: 22.271 ug/l  
 RT: 9.01 min Scan# 860  
 Delta R.T. 0.01 min  
 Lab File: VF062435.D  
 Acq: 10 May 2019 23:02

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0510SBS02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.5  | 26.4  | 39.6  |

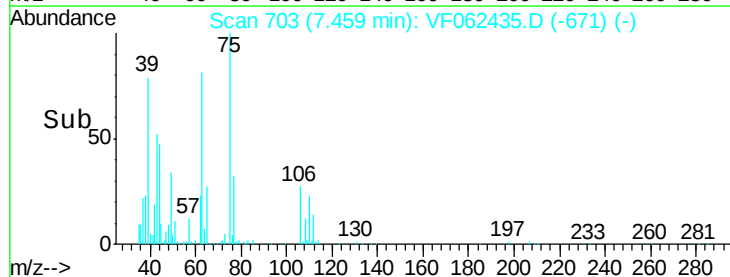
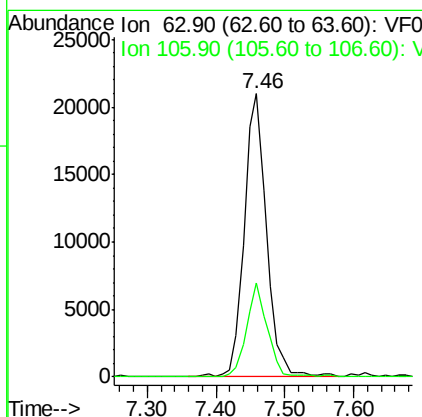
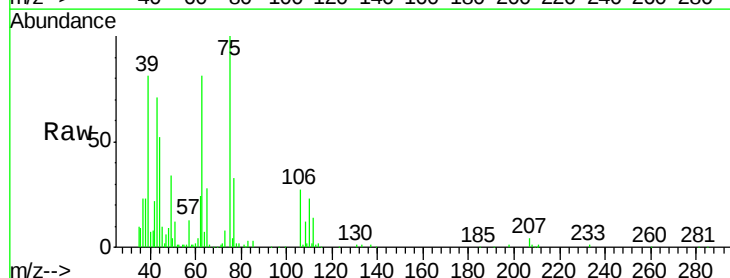
Manual Integrations  
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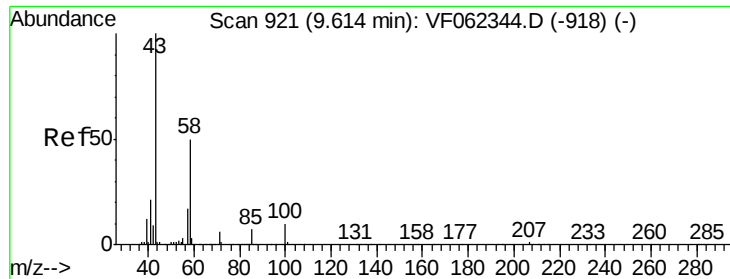
mohammad  
 5/14/2019 8:35:48 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 98.288 ug/l  
 RT: 7.46 min Scan# 703  
 Delta R.T. 0.01 min  
 Lab File: VF062435.D  
 Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 30.8  | 25.8  | 38.8  |





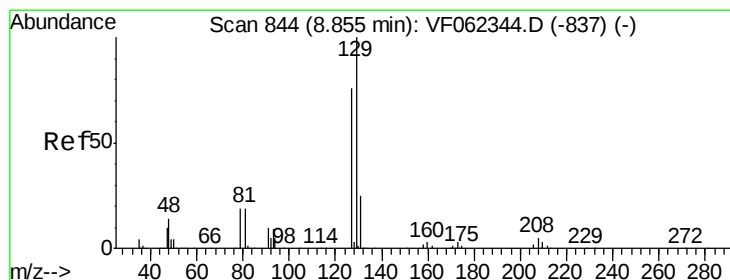
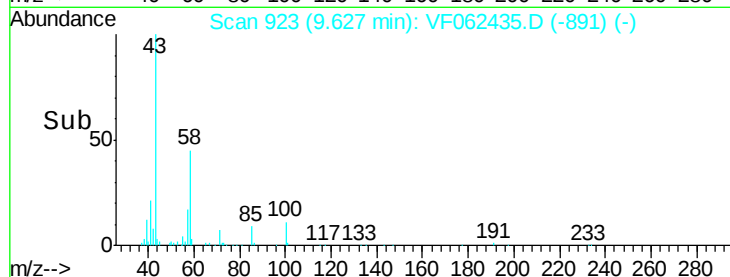
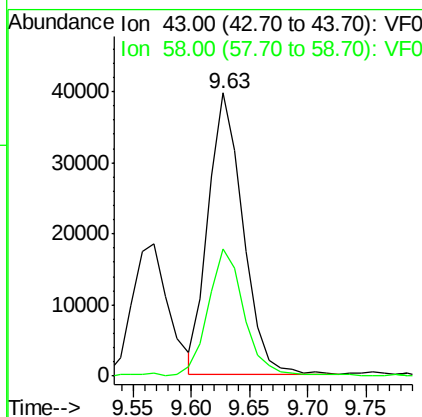
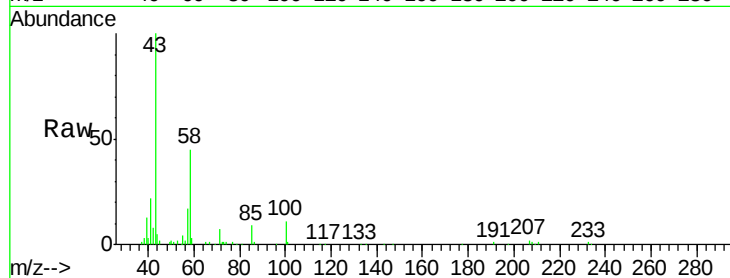
#59  
2-Hexanone  
Concen: 97.689 ug/l  
RT: 9.63 min Scan# 923  
Delta R.T. 0.01 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0510SBS02

Tgt Ion: 43 Resp: 81370  
Ion Ratio Lower Upper  
43 100  
58 47.4 24.3 73.0

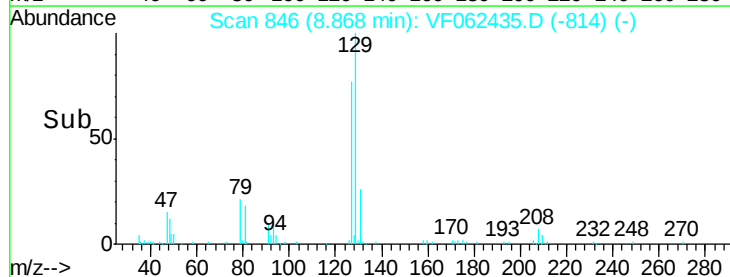
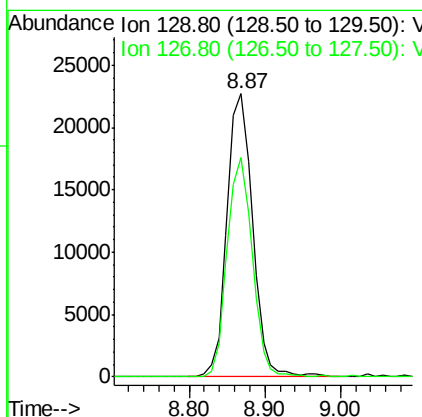
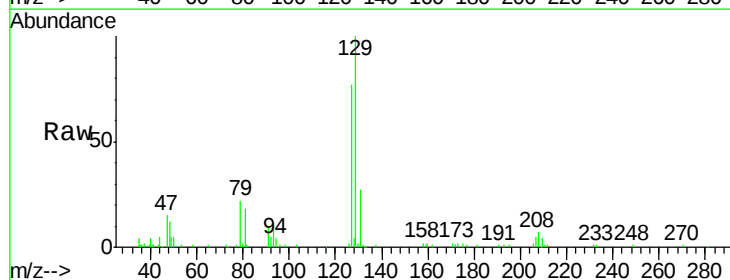
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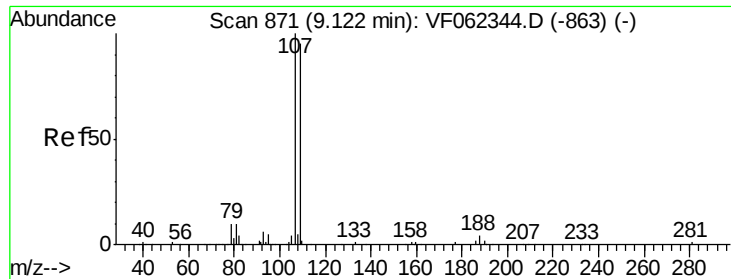
mohammad  
5/14/2019 8:35:48 AM



#60  
Dibromochloromethane  
Concen: 21.705 ug/l  
RT: 8.87 min Scan# 846  
Delta R.T. 0.01 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Tgt Ion: 129 Resp: 53495  
Ion Ratio Lower Upper  
129 100  
127 75.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 21.080 ug/l

RT: 9.13 min Scan# 873

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA\_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 107 Resp: 37336

Ion Ratio Lower Upper

107 100

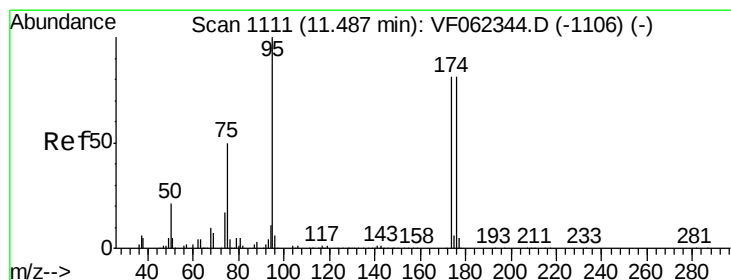
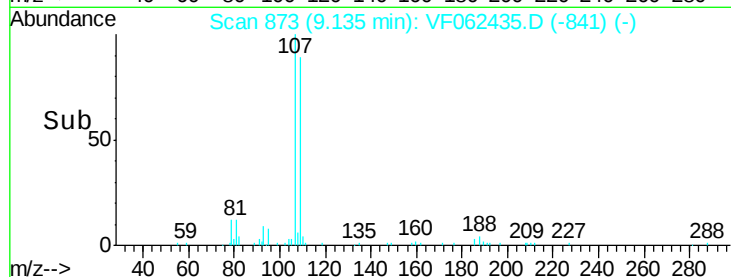
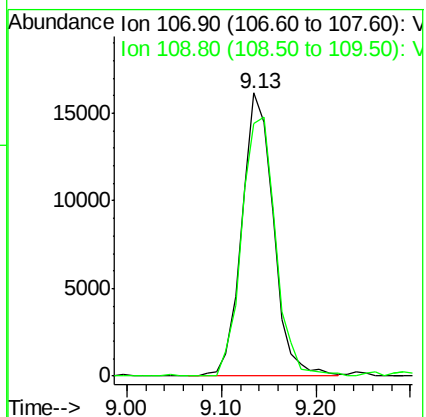
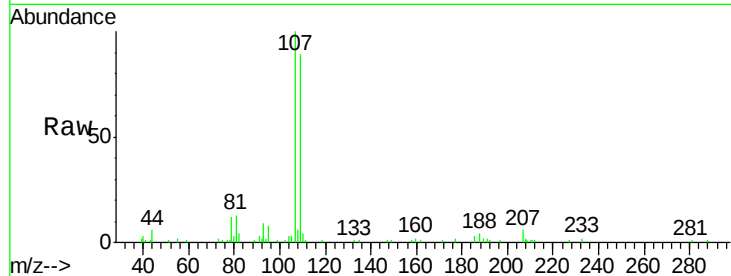
109 98.2 75.2 112.8

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mohammad

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#62

4-Bromofluorobenzene

Concen: 53.020 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

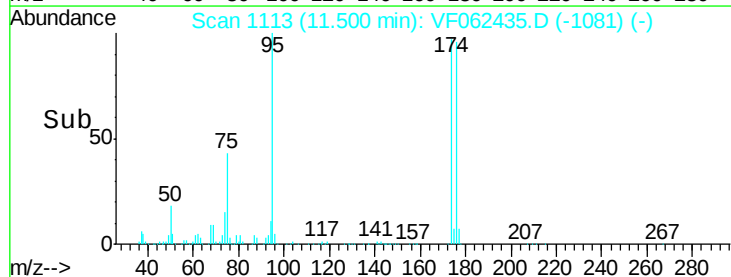
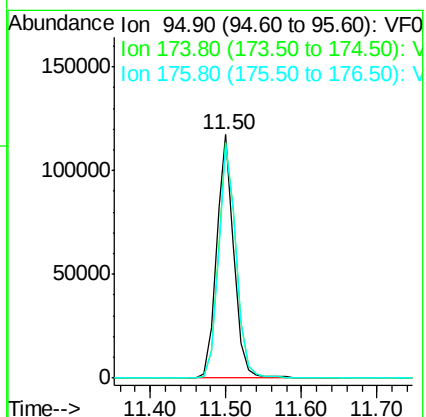
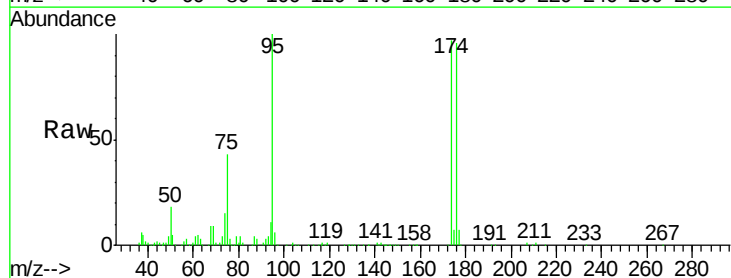
Tgt Ion: 95 Resp: 187651

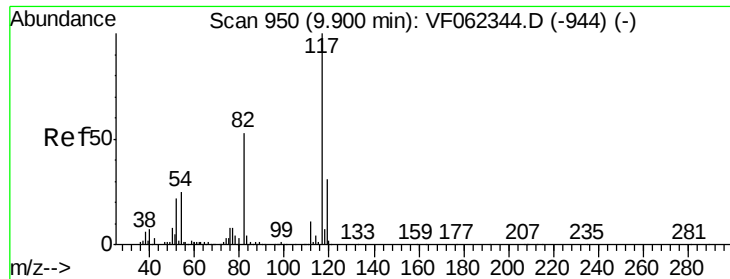
Ion Ratio Lower Upper

95 100

174 99.0 0.0 191.8

176 97.6 0.0 193.2





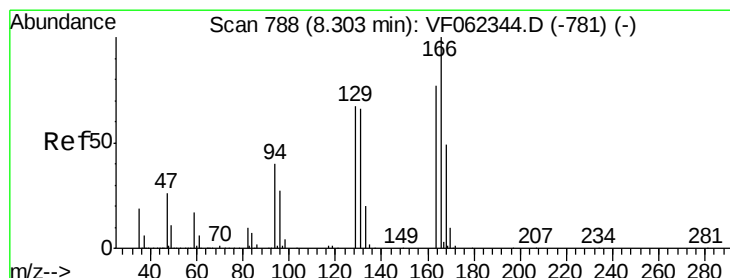
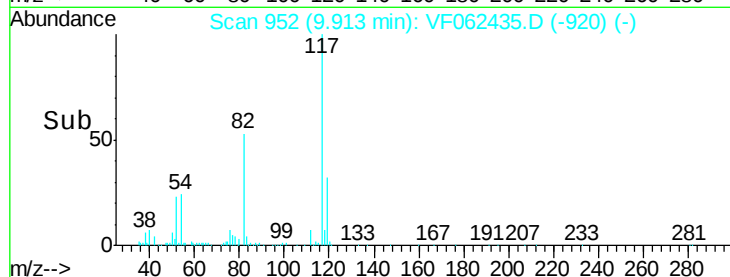
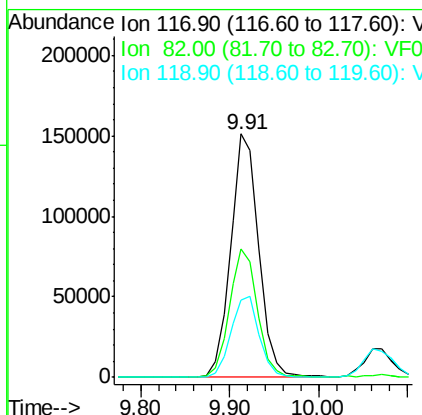
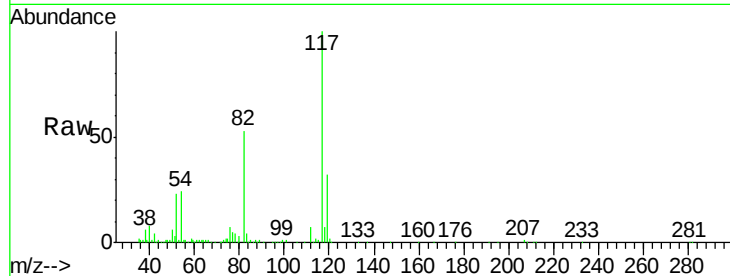
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.91 min Scan# 952  
Delta R.T. 0.01 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0510SBS02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 333824 |       |       |
| 82      | 52.6  | 42.2   | 63.2  |       |
| 119     | 31.7  | 25.0   | 37.4  |       |

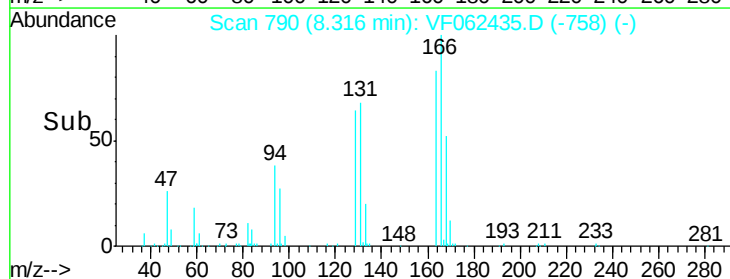
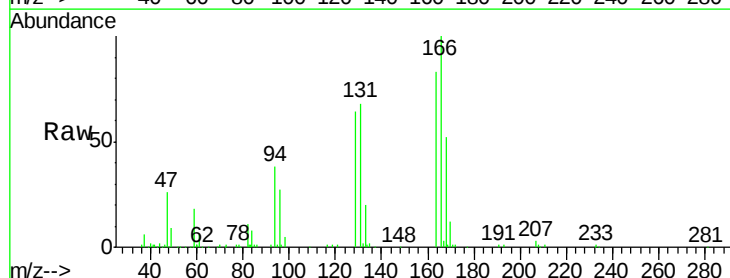
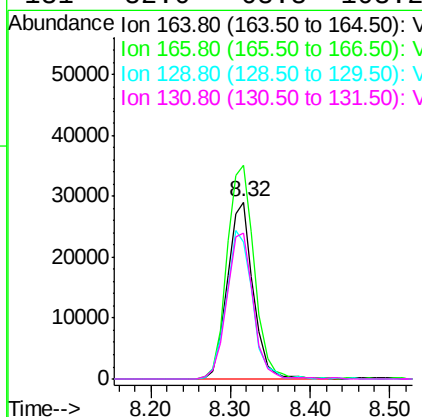
Manual Integrations  
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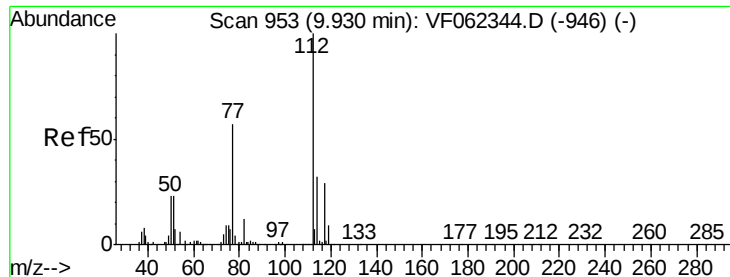
mohammad  
5/14/2019 8:35:48 AM



#64  
Tetrachloroethene  
Concen: 24.302 ug/l  
RT: 8.32 min Scan# 790  
Delta R.T. 0.01 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 65861 |       |       |
| 166     | 120.5 | 104.2 | 156.4 |       |
| 129     | 77.0  | 69.6  | 104.4 |       |
| 131     | 82.0  | 68.8  | 103.2 |       |





#65

Chlorobenzene

Concen: 23.296 ug/l

RT: 9.93 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA\_F

ClientSampleId :

VF0510SBS02

Tgt Ion:112 Resp: 128669

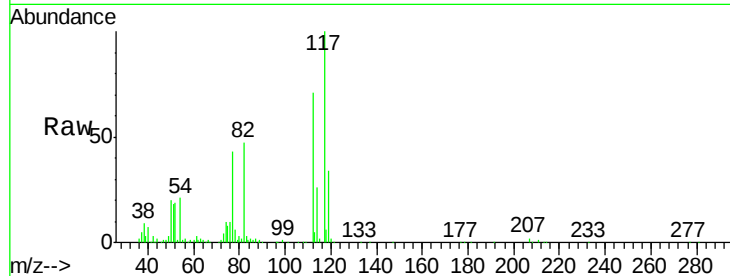
Ion Ratio Lower Upper

112 100

114 36.9 25.4 38.0

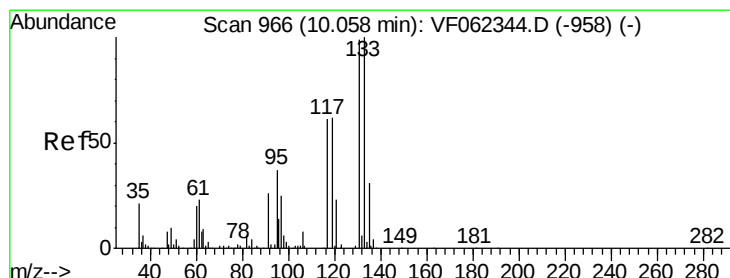
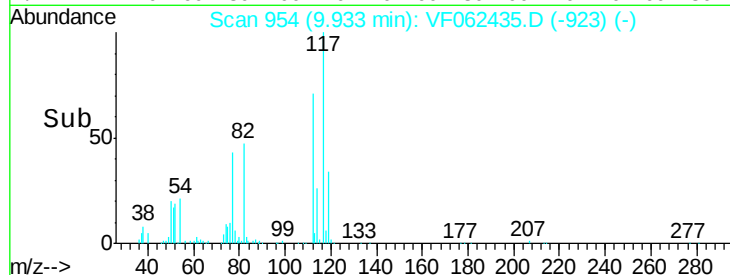
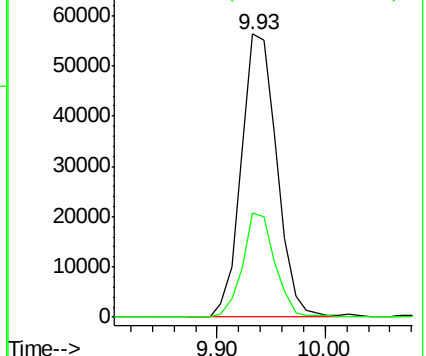
Manual Integrations  
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 23.303 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

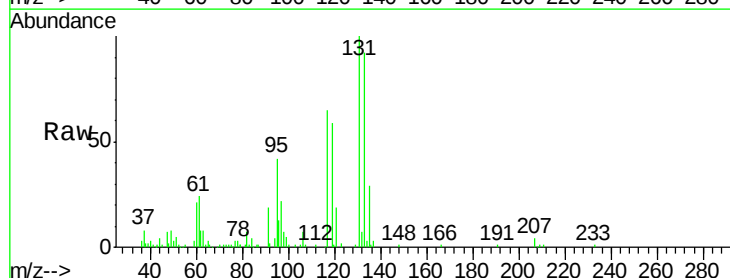
Tgt Ion:131 Resp: 64929

Ion Ratio Lower Upper

131 100

133 94.7 50.2 150.7

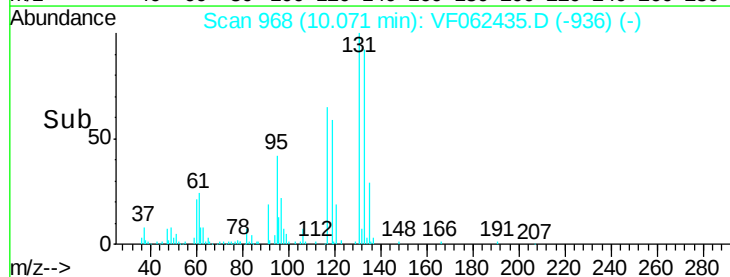
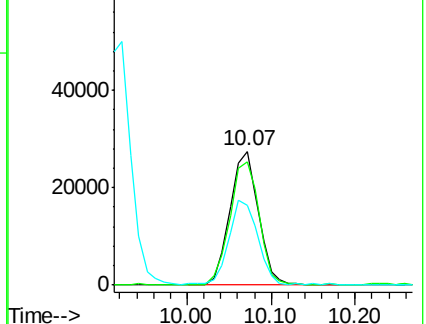
119 63.6 31.6 95.0

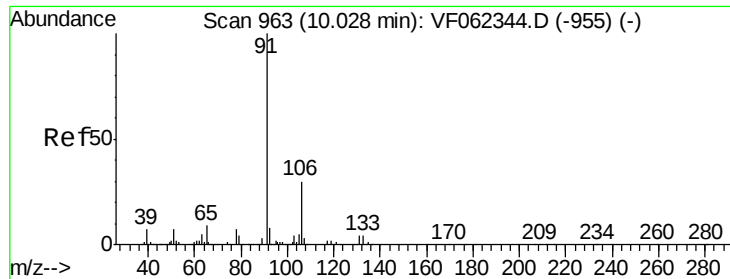


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





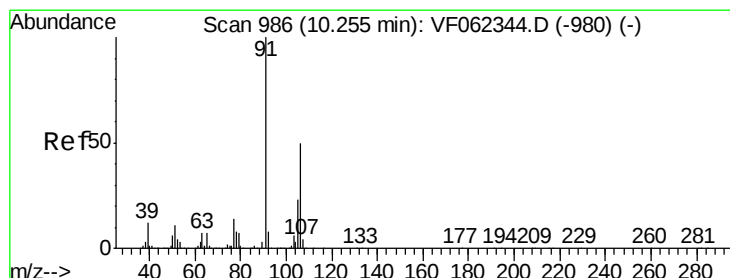
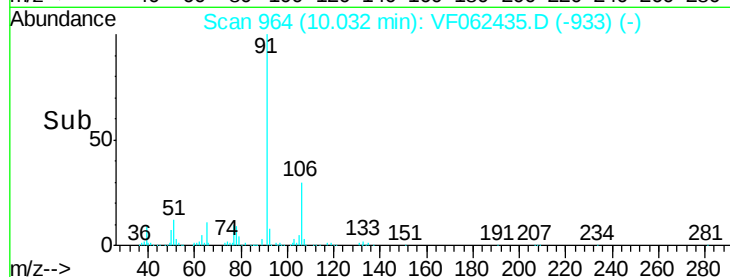
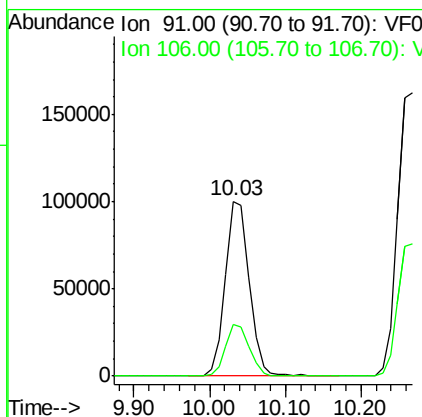
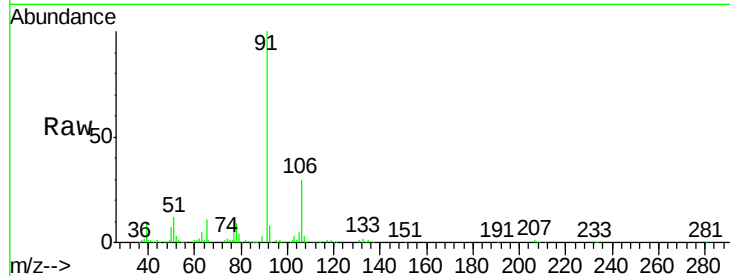
#67  
Ethyl Benzene  
Concen: 22.773 ug/l  
RT: 10.03 min Scan# 964  
Delta R.T. 0.00 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0510SBS02

Tgt Ion: 91 Resp: 220259  
Ion Ratio Lower Upper  
91 100  
106 29.7 24.1 36.1

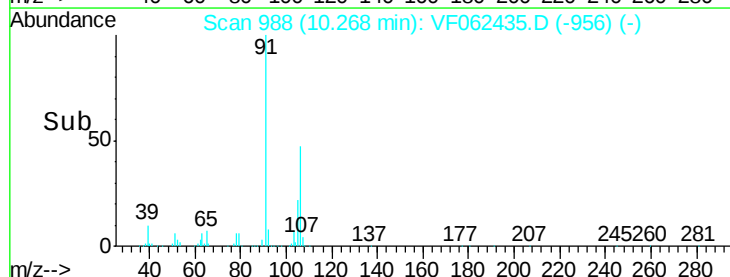
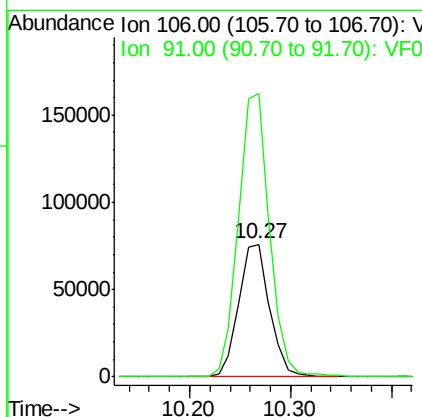
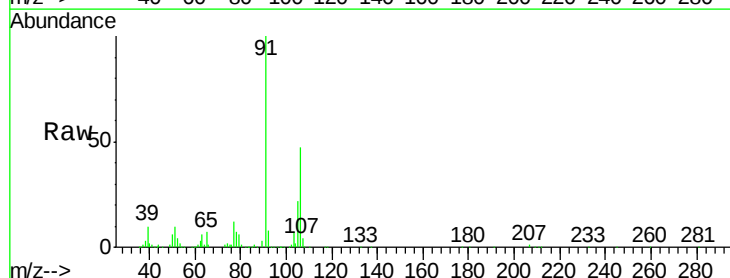
Manual Integrations  
APPROVED

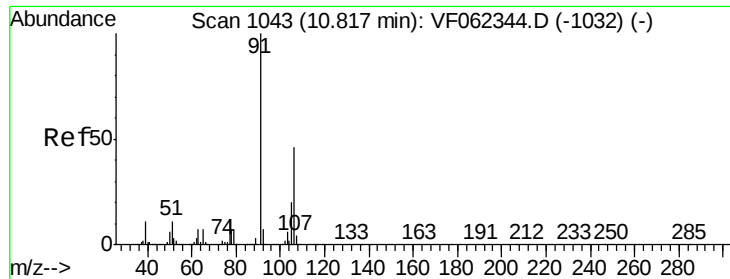
mohammad  
5/14/2019 8:35:48 AM



#68  
m/p-Xylenes  
Concen: 45.531 ug/l  
RT: 10.27 min Scan# 988  
Delta R.T. 0.01 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Tgt Ion: 106 Resp: 162480  
Ion Ratio Lower Upper  
106 100  
91 214.2 167.4 251.2





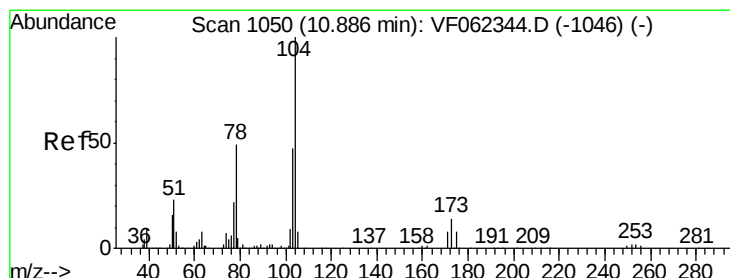
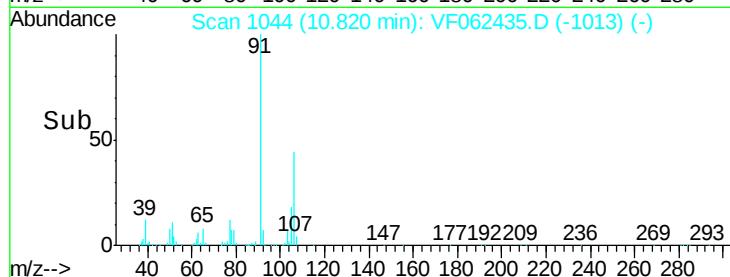
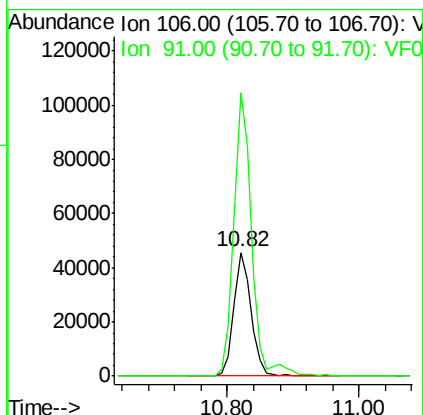
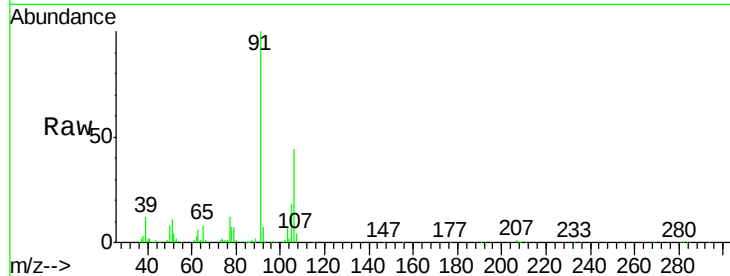
#69  
o-Xylene  
Concen: 22.033 ug/l  
RT: 10.82 min Scan# 1044  
Delta R.T. 0.00 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0510SBS02

Tgt Ion:106 Resp: 84961  
Ion Ratio Lower Upper  
106 100  
91 226.9 111.3 333.8

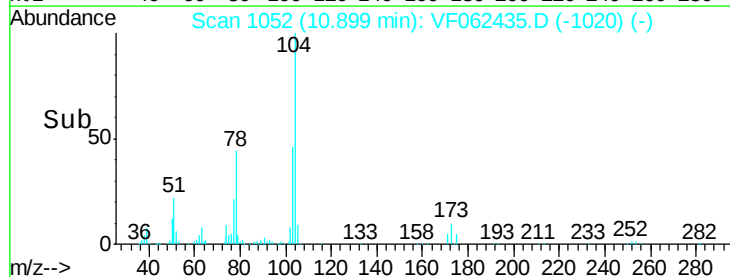
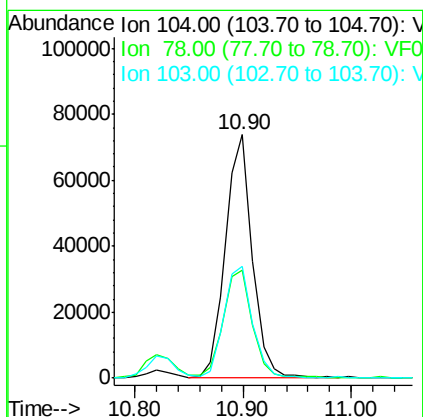
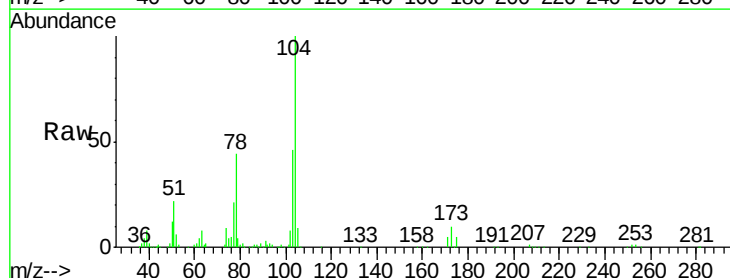
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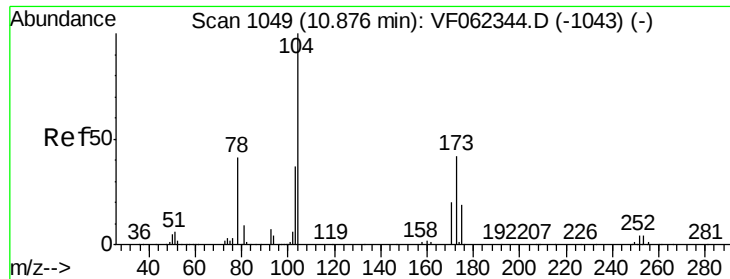
mohammad  
5/14/2019 8:35:48 AM



#70  
Styrene  
Concen: 21.997 ug/l  
RT: 10.90 min Scan# 1052  
Delta R.T. 0.01 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Tgt Ion:104 Resp: 127126  
Ion Ratio Lower Upper  
104 100  
78 48.0 39.5 59.3  
103 48.4 38.4 57.6





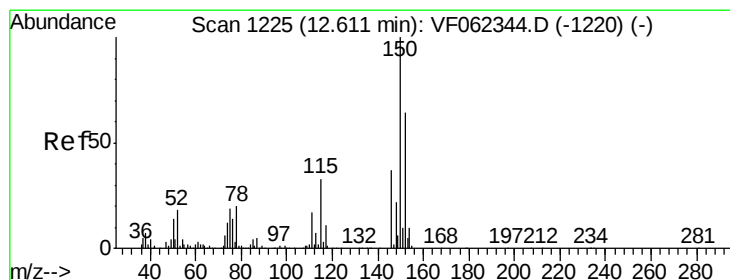
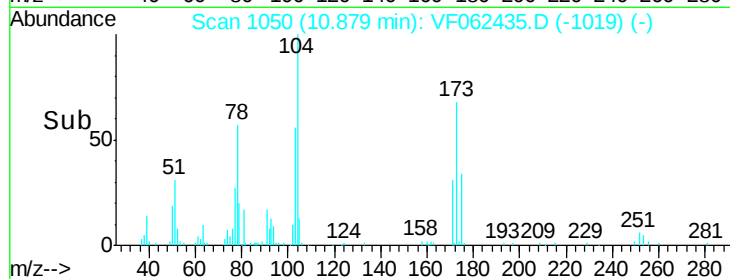
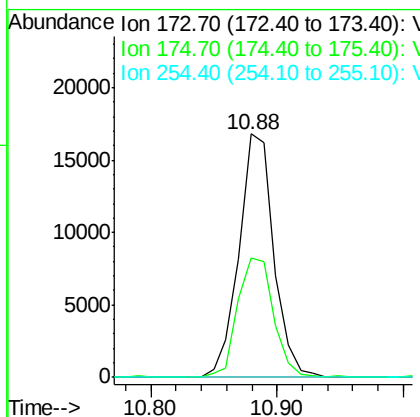
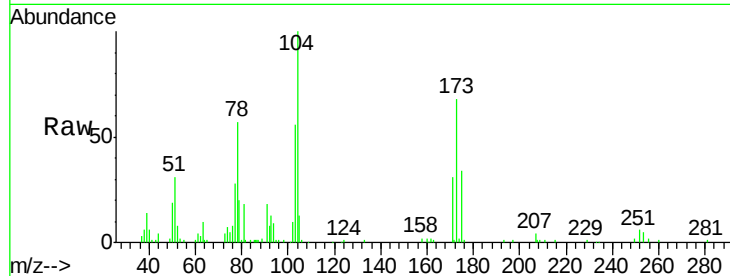
#71  
Bromoform  
Concen: 21.077 ug/l  
RT: 10.88 min Scan# 1050  
Delta R.T. 0.00 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0510SBS02

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 173     | 100   | 32175 |       |       |
| 175     | 50.5  | 23.8  | 71.2  |       |
| 254     | 0.0   | 0.1   | 0.1#  |       |

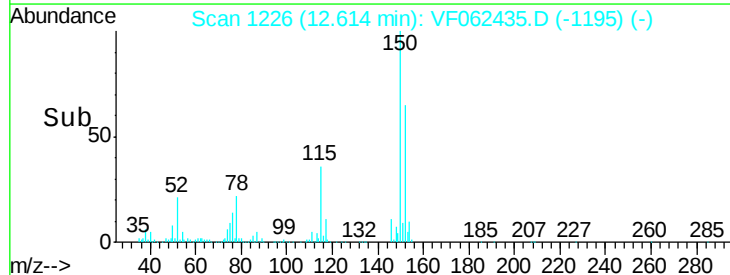
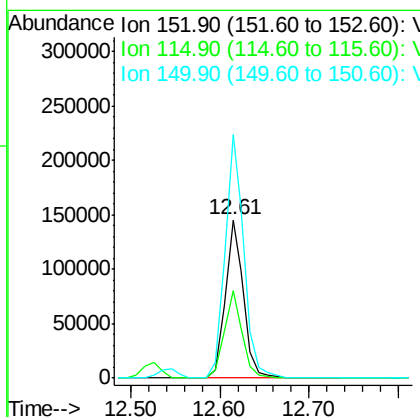
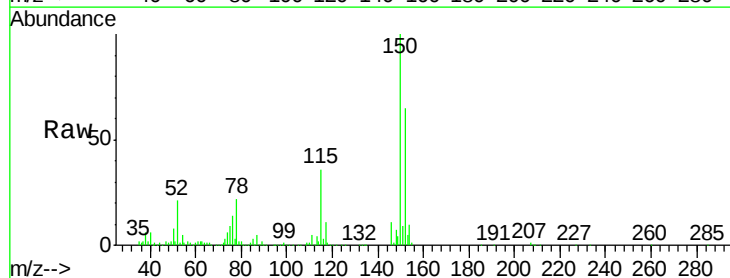
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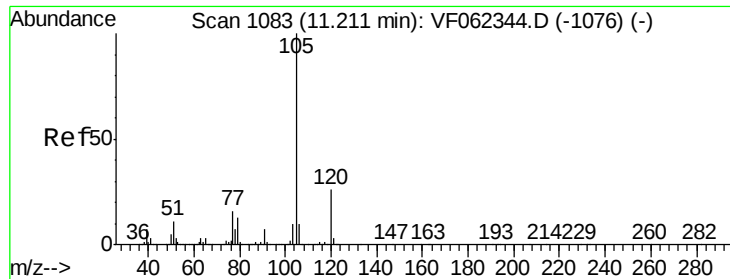
mohammad  
5/14/2019 8:35:48 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.61 min Scan# 1226  
Delta R.T. 0.00 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 209358 |       |       |
| 115     | 54.7  | 26.4   | 79.2  |       |
| 150     | 160.7 | 0.0    | 335.0 |       |





#73

Isopropylbenzene

Concen: 22.668 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA\_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 105 Resp: 281345

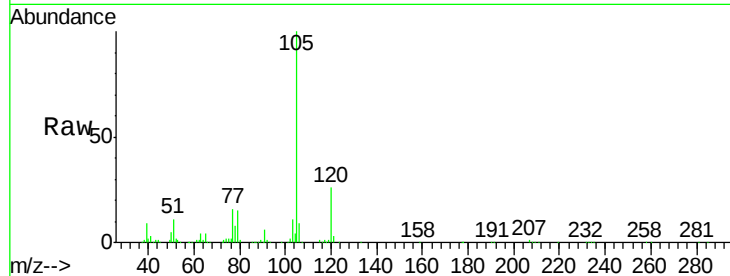
Ion Ratio Lower Upper

105 100

120 26.3 12.7 38.0

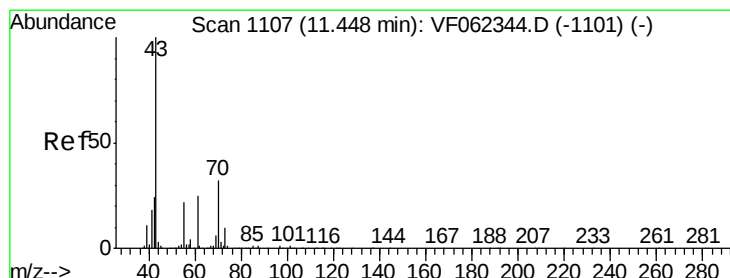
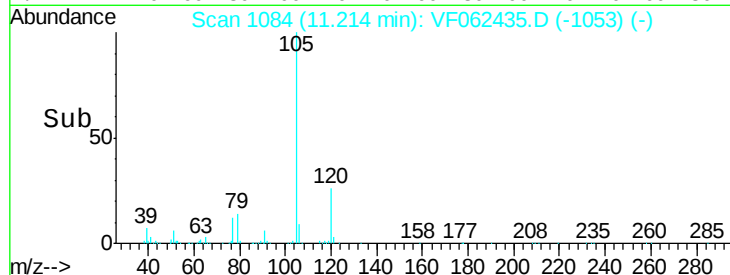
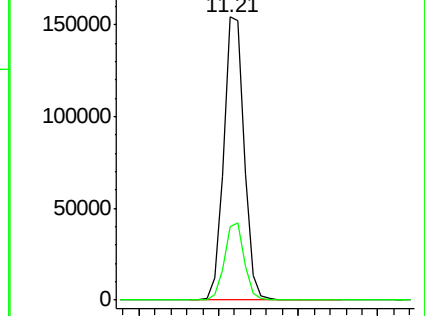
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.404 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Tgt Ion: 43 Resp: 54369

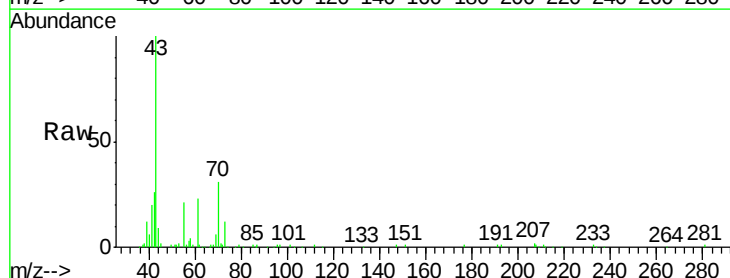
Ion Ratio Lower Upper

43 100

70 34.7 26.5 39.7

55 24.5 17.8 26.6

61 24.7 20.2 30.2

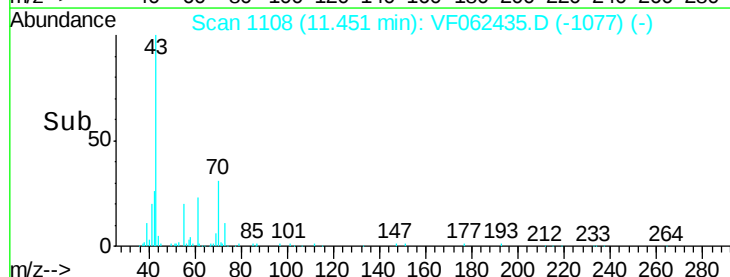
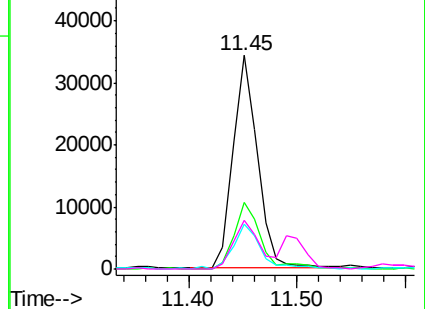


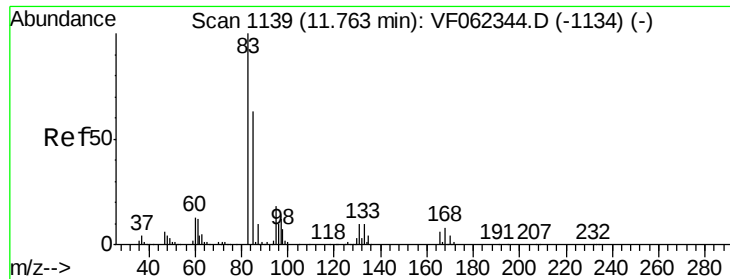
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.167 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA\_F

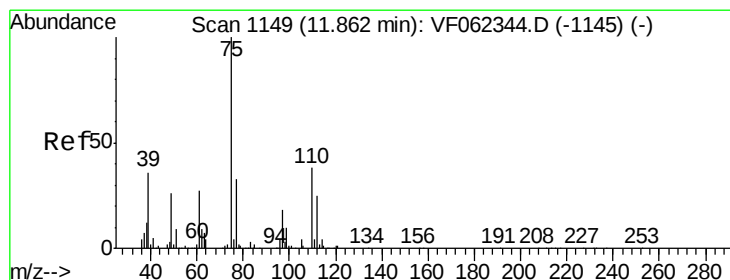
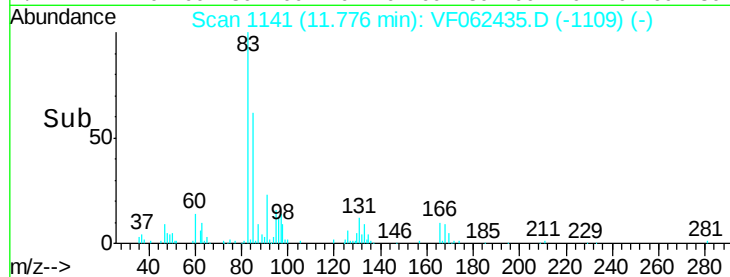
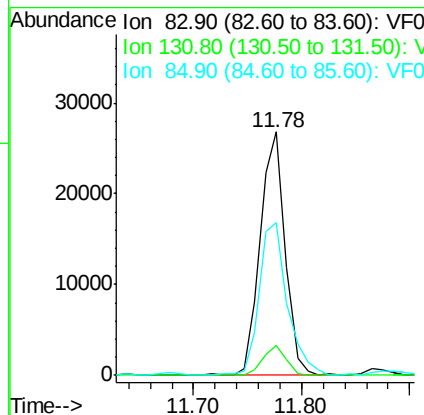
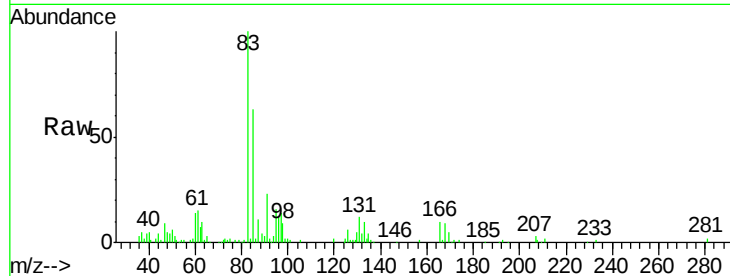
ClientSampleId :

VF0510SBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 43078 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 11.3  | 5.8   | 17.4  |
| 85       | 70.9  | 35.3  | 105.7 |

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#76

1,2,3-Trichloropropane

Concen: 22.241 ug/l

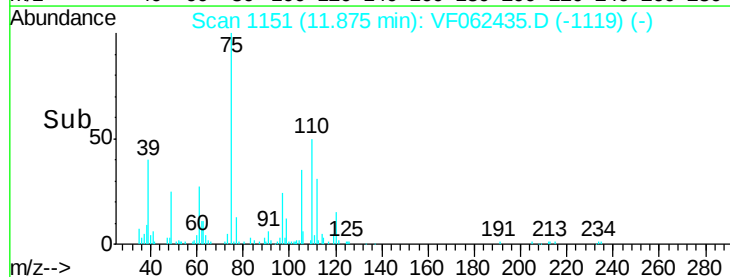
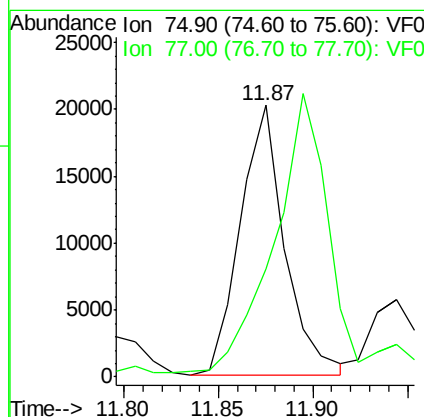
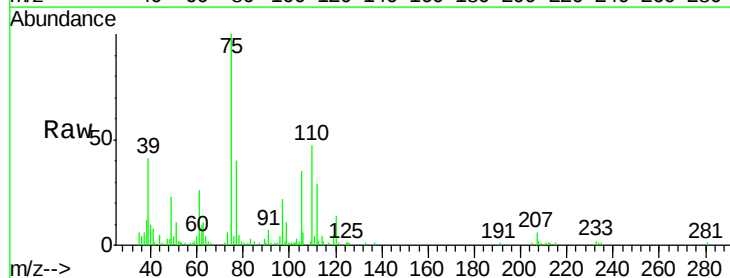
RT: 11.87 min Scan# 1151

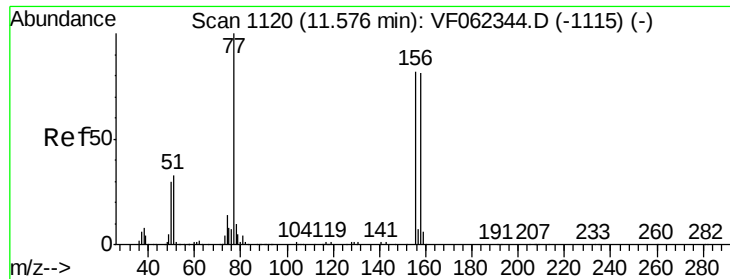
Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 32976 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 125.4 | 0.0   | 0.0#  |





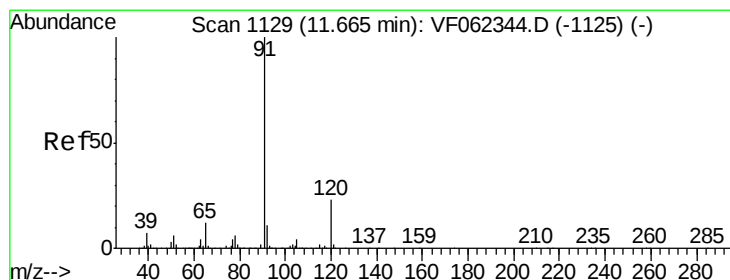
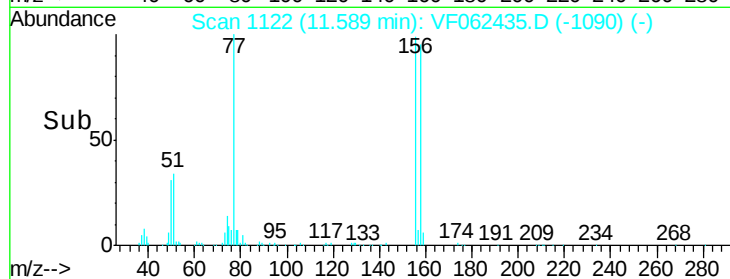
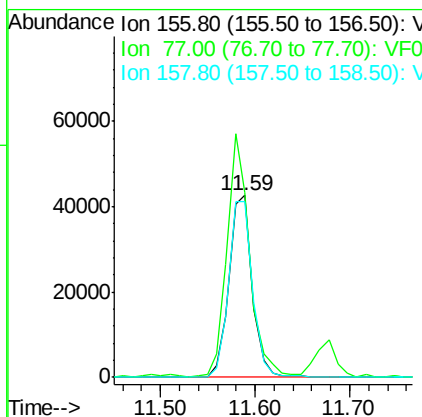
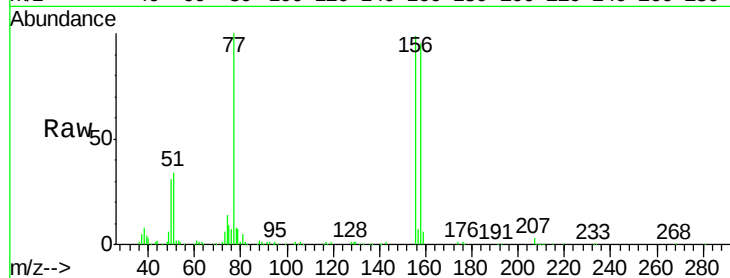
#77  
Bromobenzene  
Concen: 22.306 ug/l  
RT: 11.59 min Scan# 1122  
Delta R.T. 0.01 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0510SBS02

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 156     | 100   | 72659 |       |       |
| 77      | 128.2 | 64.8  | 194.3 |       |
| 158     | 99.7  | 49.1  | 147.3 |       |

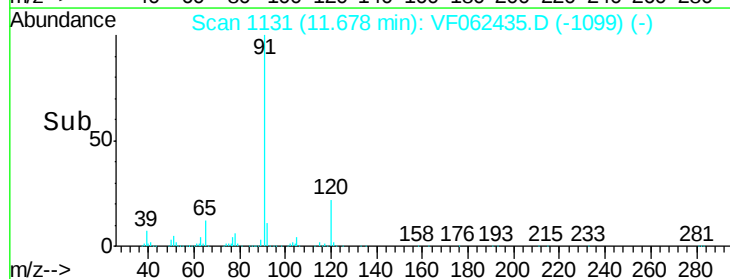
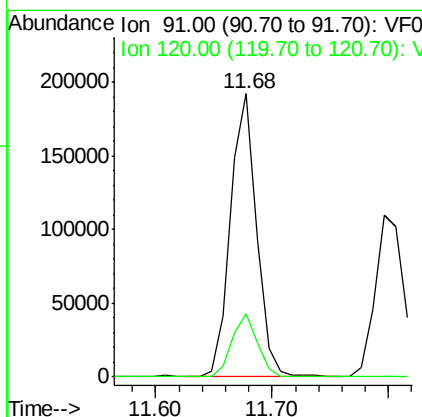
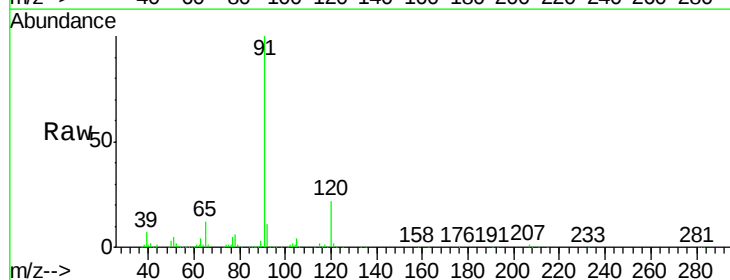
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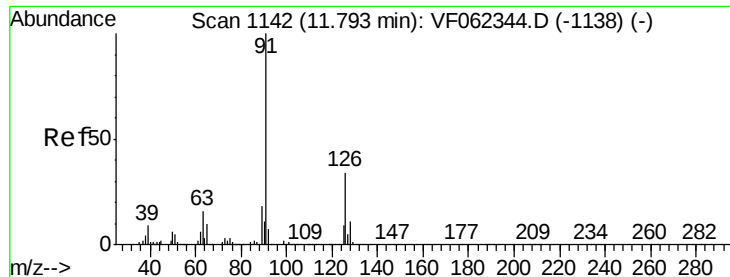
mohammad  
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#78  
n-propylbenzene  
Concen: 22.478 ug/l  
RT: 11.68 min Scan# 1131  
Delta R.T. 0.01 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 297022 |       |       |
| 120     | 22.2  | 11.9   | 35.5  |       |





#79

2-Chlorotoluene

Concen: 22.428 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA\_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 91 Resp: 184284

Ion Ratio Lower Upper

91 100

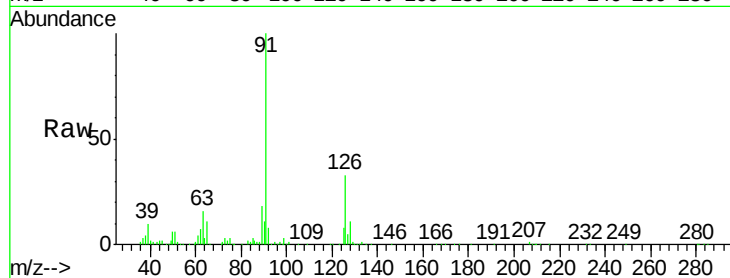
126 34.6 17.8 53.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

11.80

120000

100000

80000

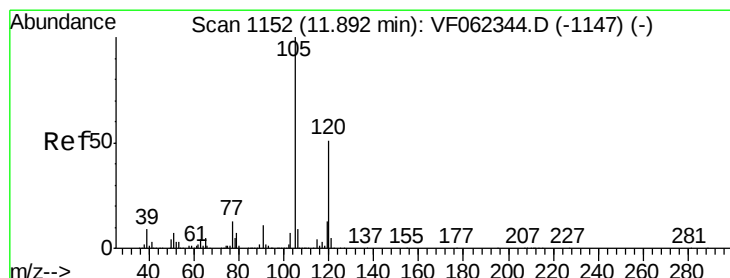
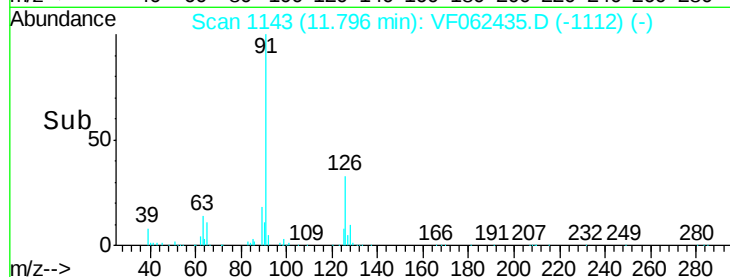
60000

40000

20000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 23.190 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062435.D

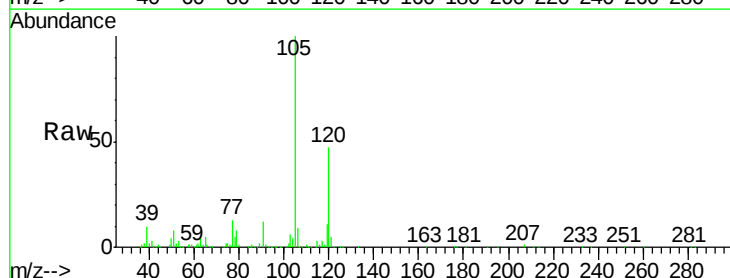
Acq: 10 May 2019 23:02

Tgt Ion: 105 Resp: 252277

Ion Ratio Lower Upper

105 100

120 47.2 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.89

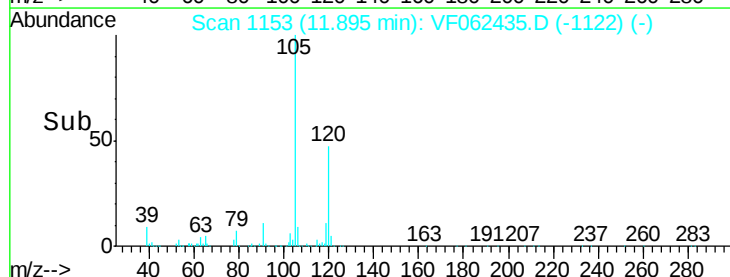
150000

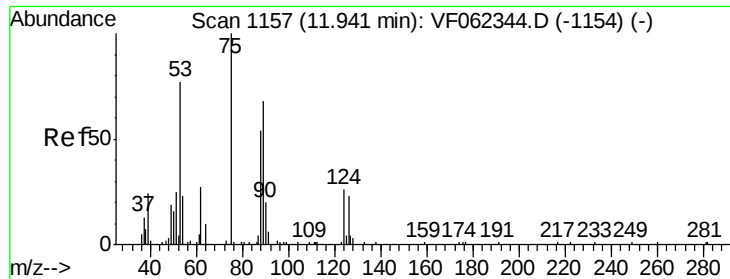
100000

50000

0

Time-->





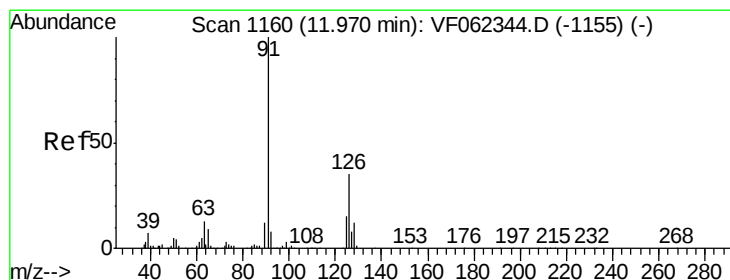
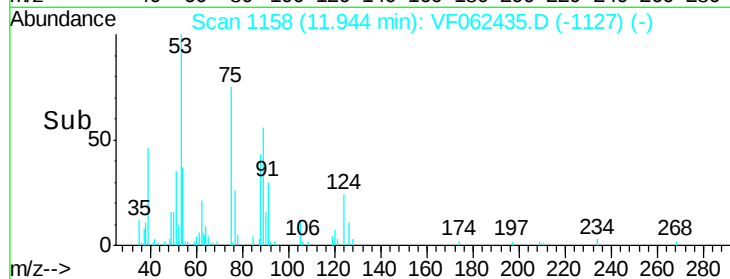
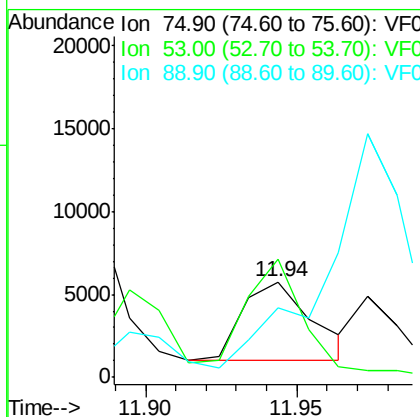
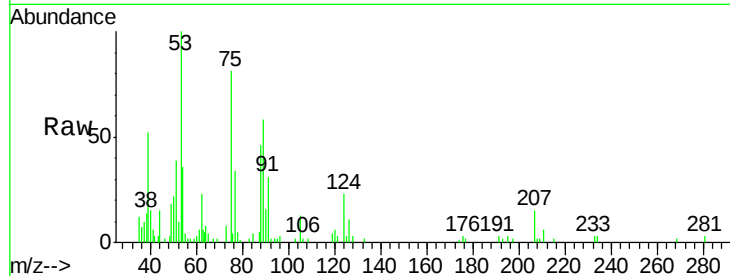
#81  
trans-1,4-Dichloro-2-butene  
Concen: 13.511 ug/l  
RT: 11.94 min Scan# 1158  
Delta R.T. 0.00 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0510SBS02

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 137.7 | 71.9  | 107.9# |
| 89      | 0.0   | 0.0   | 0.0    |

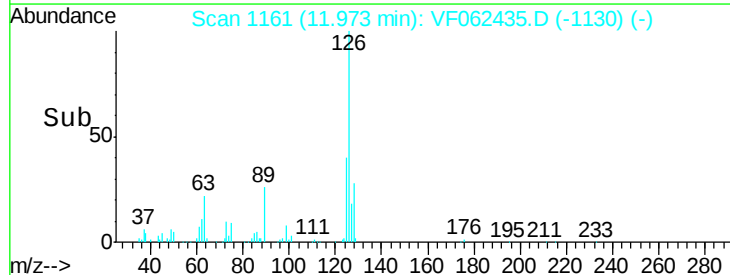
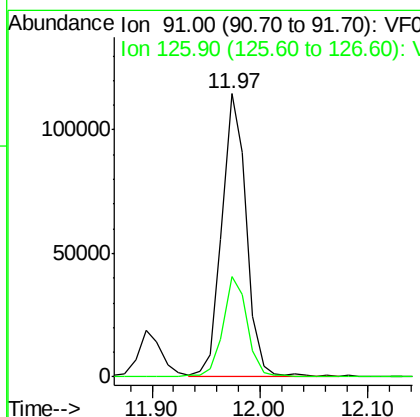
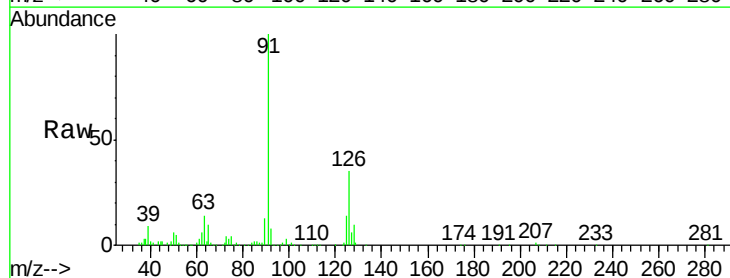
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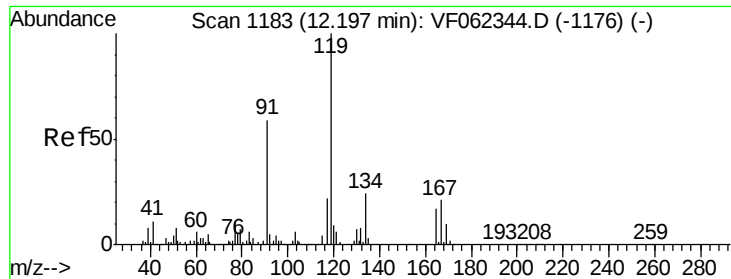
mohammad  
5/14/2019 8:35:48 AM



#82  
4-Chlorotoluene  
Concen: 22.125 ug/l  
RT: 11.97 min Scan# 1161  
Delta R.T. 0.00 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.8  | 17.7  | 53.1  |





#83

tert-Butylbenzene

Concen: 22.317 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA\_F

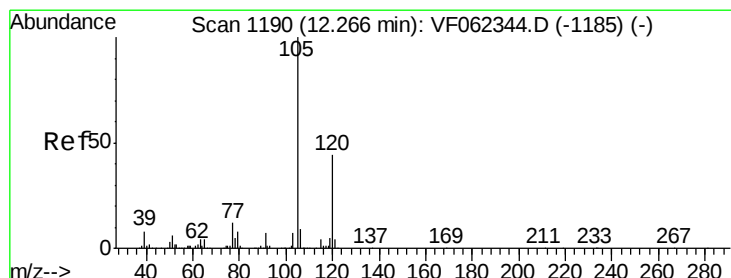
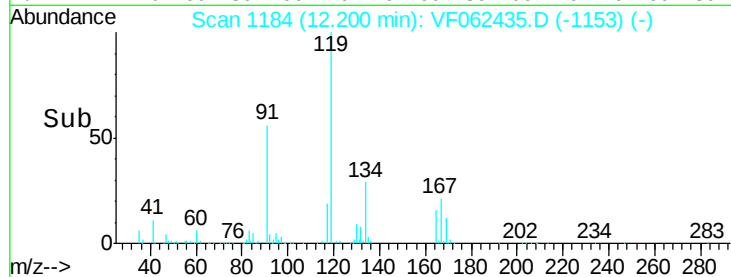
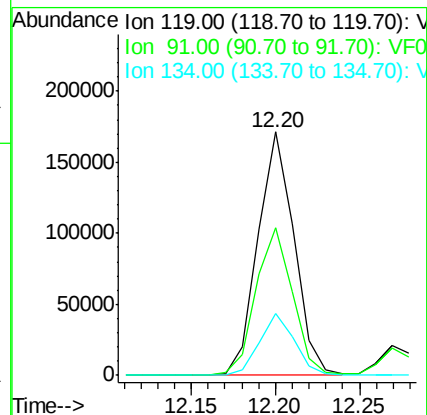
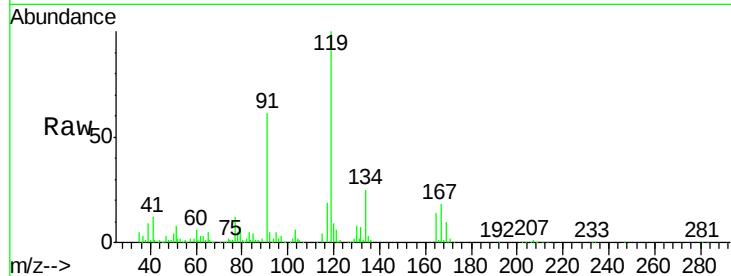
ClientSampleId :

VF0510SBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 119   | Resp: | 255147 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 61.4  | 30.4  | 91.3   |
| 134       | 24.7  | 11.9  | 35.7   |

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#84

1,2,4-Trimethylbenzene

Concen: 23.231 ug/l

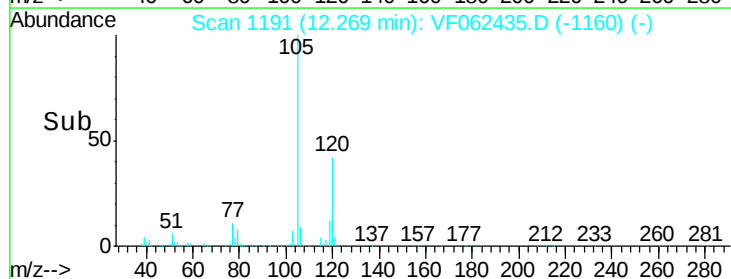
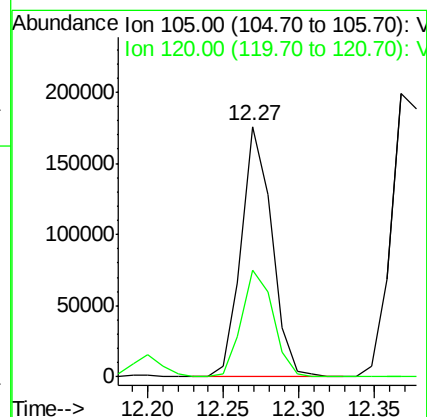
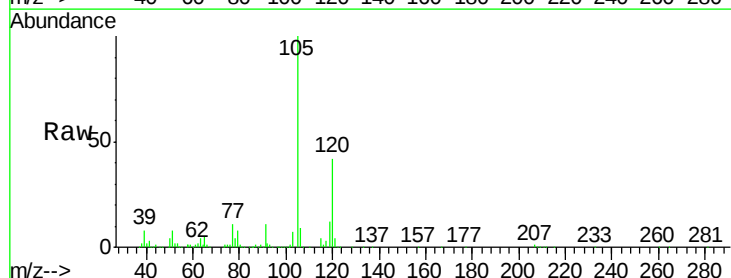
RT: 12.27 min Scan# 1191

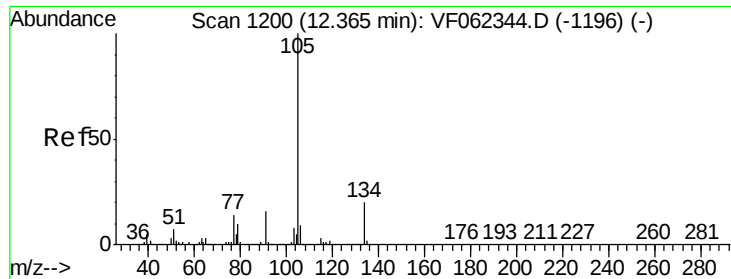
Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 247316 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 44.3  | 22.6  | 67.7   |





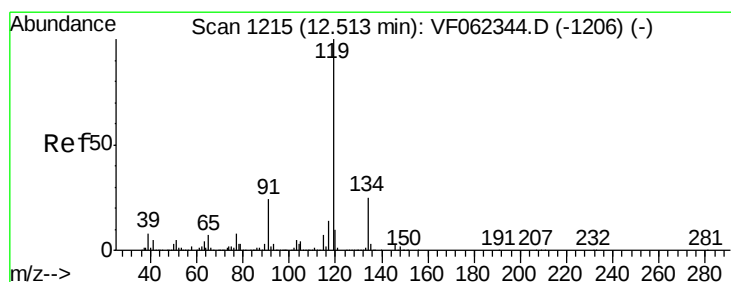
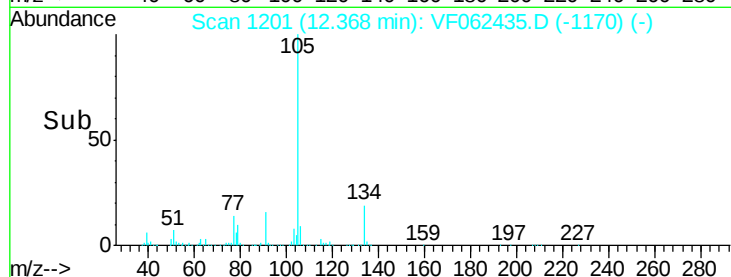
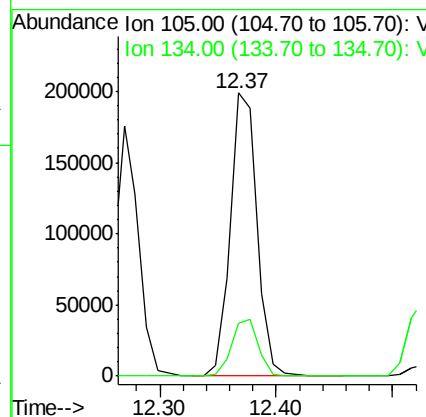
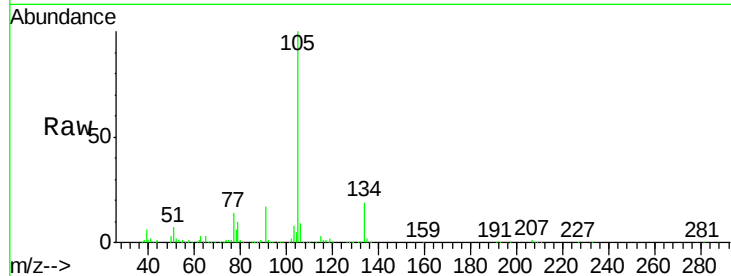
#85  
 sec-Butylbenzene  
 Concen: 22.678 ug/l  
 RT: 12.37 min Scan# 1201  
 Delta R.T. 0.00 min  
 Lab File: VF062435.D  
 Acq: 10 May 2019 23:02

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0510SBS02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 315584 |       |       |
| 134     | 20.3  | 9.8    | 29.5  |       |

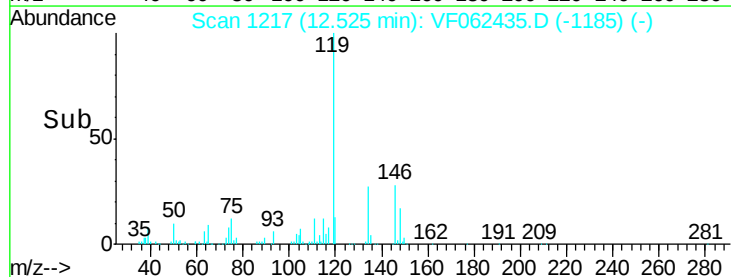
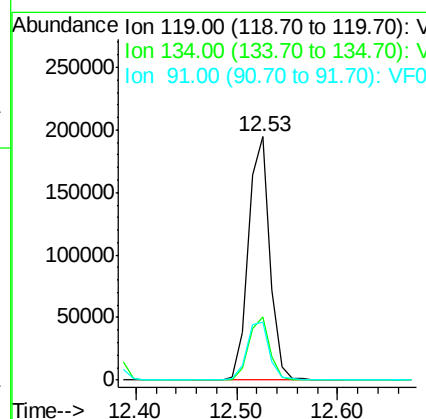
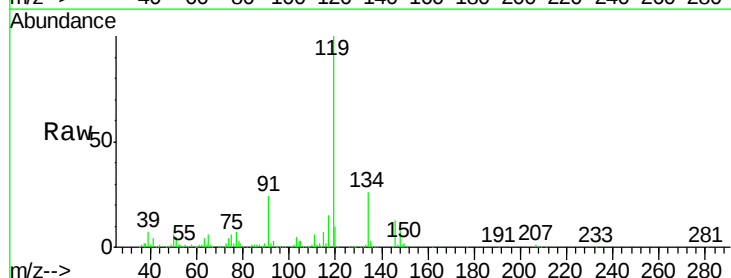
Manual Integrations  
 APPROVED

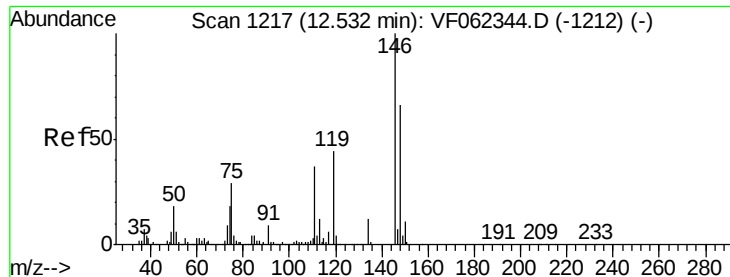
mohammad  
 5/14/2019 8:35:48 AM



#86  
 p-Isopropyltoluene  
 Concen: 22.320 ug/l  
 RT: 12.53 min Scan# 1217  
 Delta R.T. 0.01 min  
 Lab File: VF062435.D  
 Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 288581 |       |       |
| 134     | 25.4  | 12.9   | 38.7  |       |
| 91      | 25.0  | 12.3   | 36.8  |       |





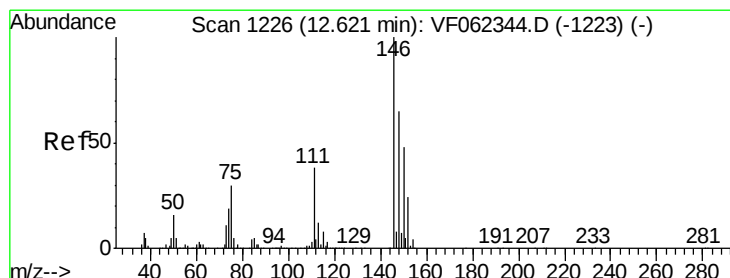
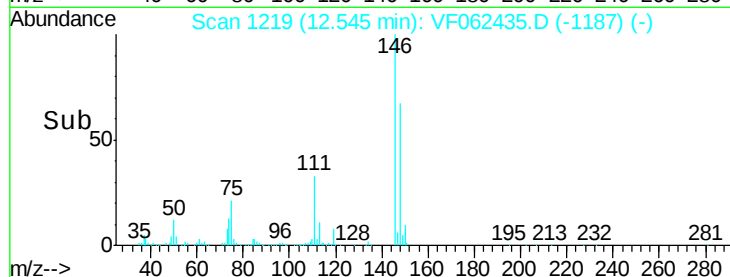
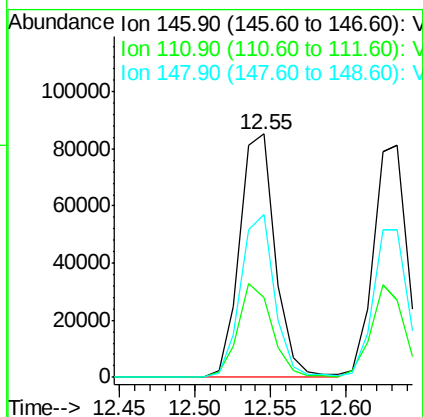
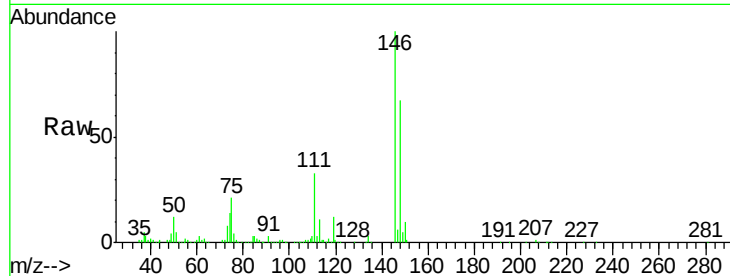
#87  
 1,3-Dichlorobenzene  
 Concen: 23.488 ug/l  
 RT: 12.55 min Scan# 1219  
 Delta R.T. 0.01 min  
 Lab File: VF062435.D  
 Acq: 10 May 2019 23:02

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0510SBS02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 139730 |       |       |
| 111     | 37.0  | 18.3   | 54.8  |       |
| 148     | 64.1  | 32.3   | 96.9  |       |

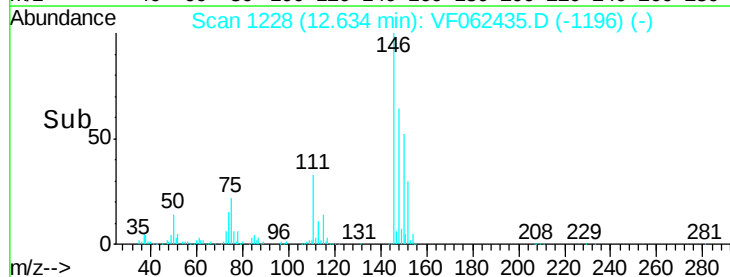
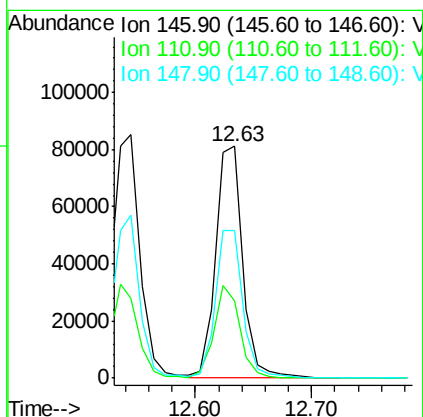
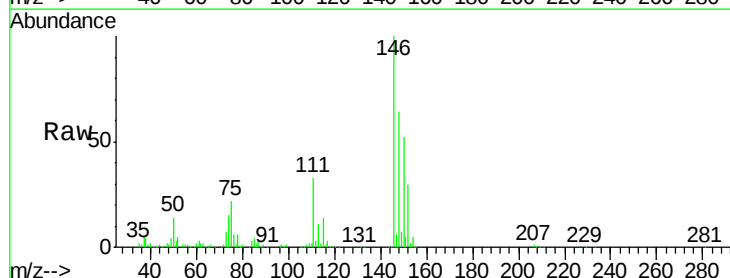
Manual Integrations  
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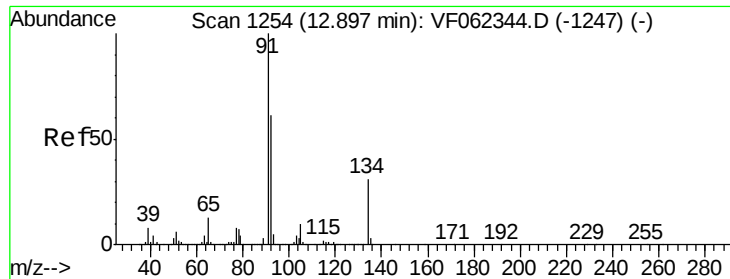
mohammad  
 5/14/2019 8:35:48 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 22.566 ug/l  
 RT: 12.63 min Scan# 1228  
 Delta R.T. 0.01 min  
 Lab File: VF062435.D  
 Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 129569 |       |       |
| 111     | 38.3  | 18.8   | 56.3  |       |
| 148     | 65.6  | 32.2   | 96.6  |       |





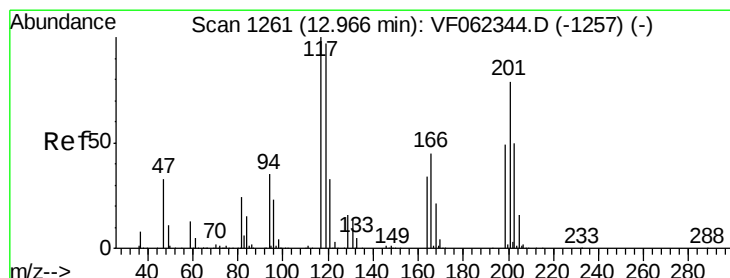
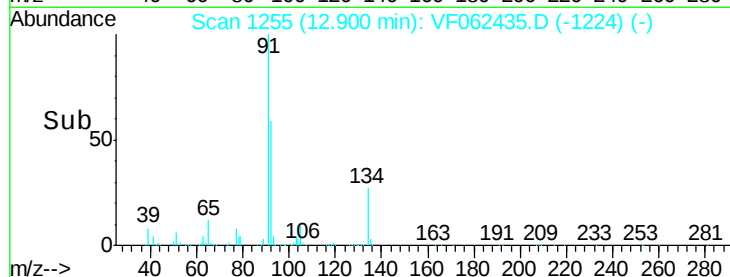
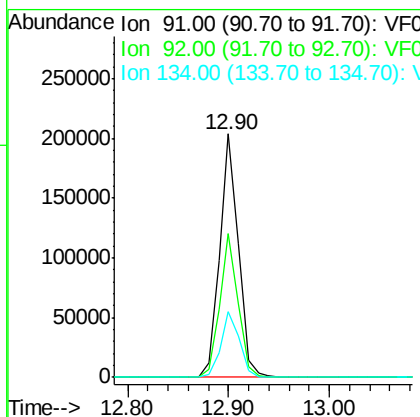
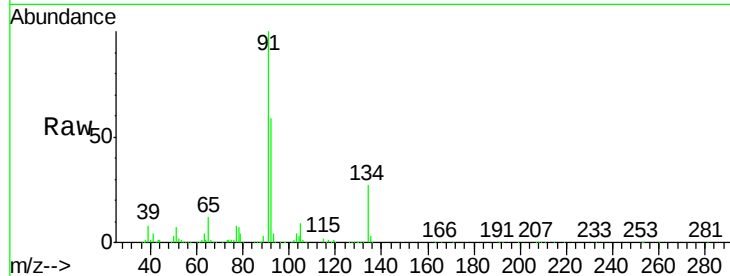
#89  
n-Butylbenzene  
Concen: 23.103 ug/l  
RT: 12.90 min Scan# 1255  
Delta R.T. 0.00 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0510SBS02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 57.4  | 30.0  | 90.0  |
| 134     | 26.8  | 14.1  | 42.4  |

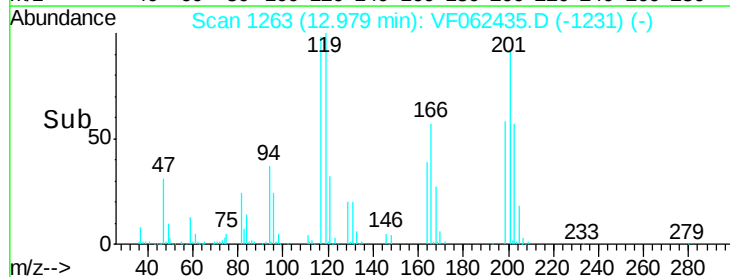
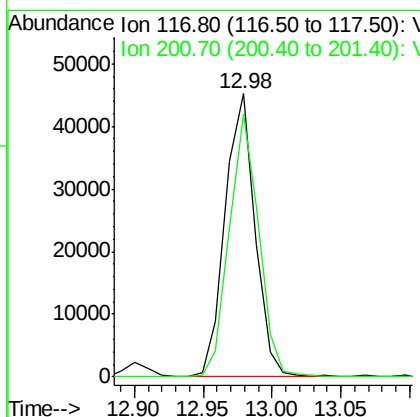
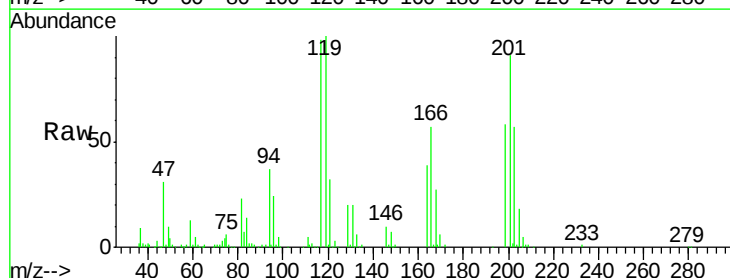
Manual Integrations  
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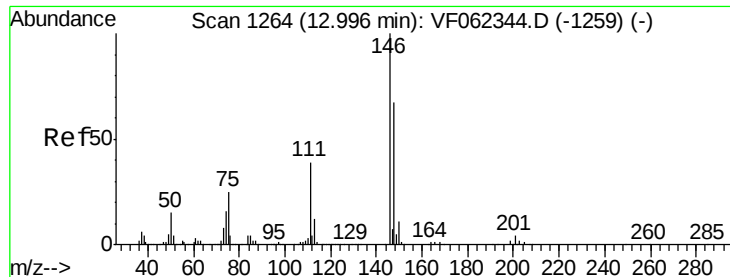
mohammad  
5/14/2019 8:35:48 AM



#90  
Hexachloroethane  
Concen: 21.197 ug/l  
RT: 12.98 min Scan# 1263  
Delta R.T. 0.01 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 91.5  | 46.2  | 138.5 |





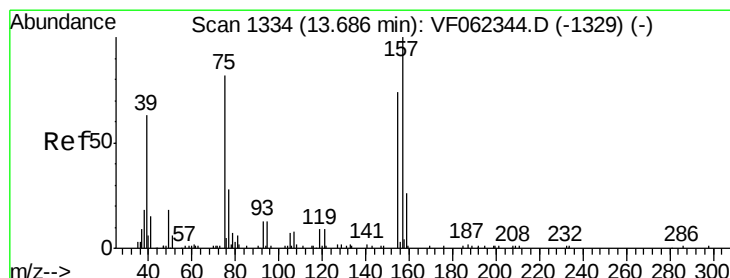
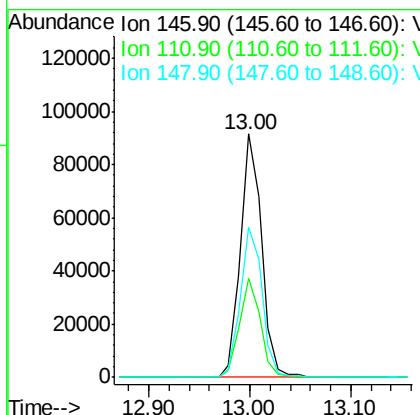
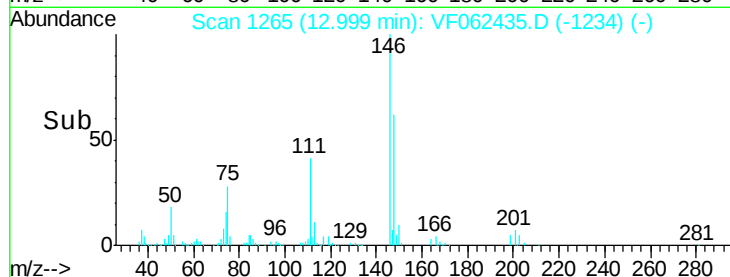
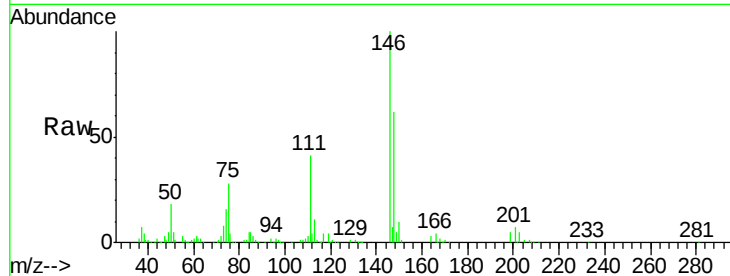
#91  
 1,2-Dichlorobenzene  
 Concen: 23.211 ug/l  
 RT: 13.00 min Scan# 1265  
 Delta R.T. 0.00 min  
 Lab File: VF062435.D  
 Acq: 10 May 2019 23:02

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0510SBS02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 133656 |       |       |
| 111     | 40.0  | 20.0   | 60.0  |       |
| 148     | 63.5  | 33.1   | 99.5  |       |

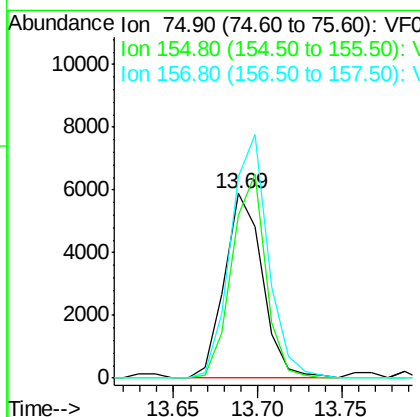
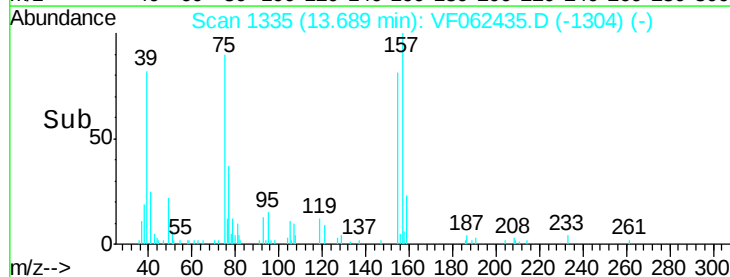
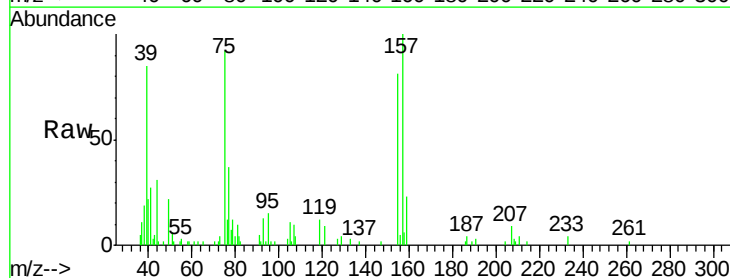
Manual Integrations  
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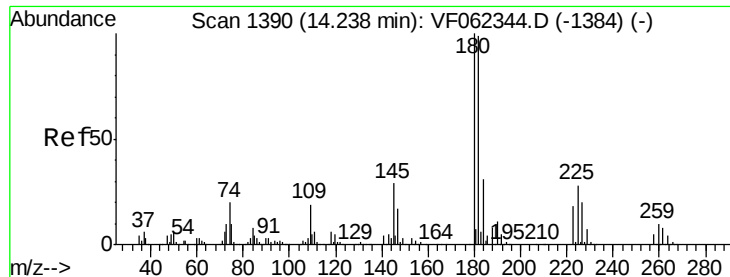
mohammad  
 5/14/2019 8:35:48 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.253 ug/l  
 RT: 13.69 min Scan# 1335  
 Delta R.T. 0.00 min  
 Lab File: VF062435.D  
 Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   | 9253 |       |       |
| 155     | 98.5  | 51.8 | 155.4 |       |
| 157     | 129.9 | 67.3 | 201.8 |       |





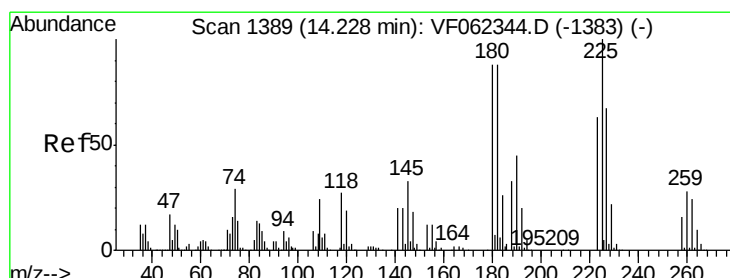
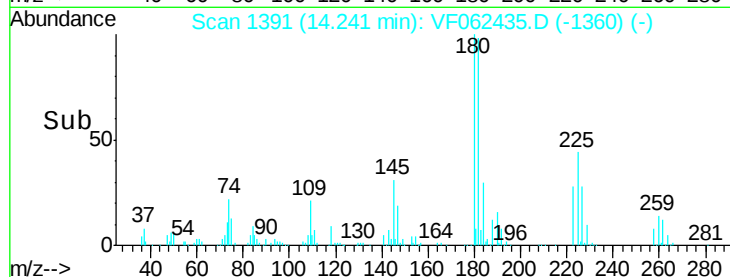
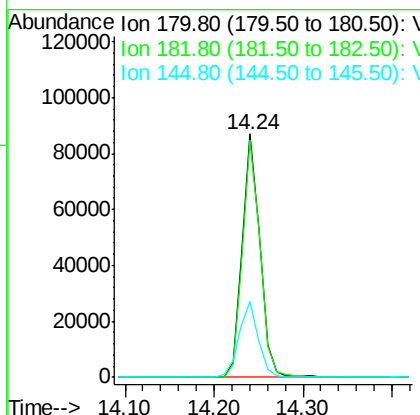
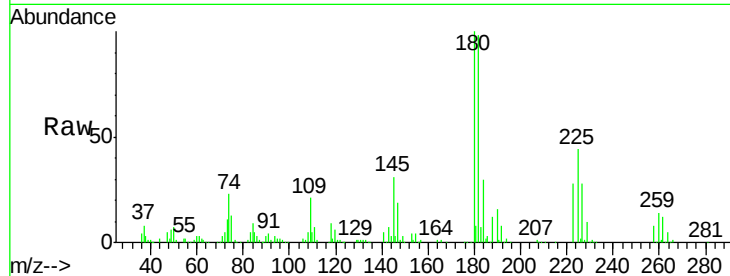
#93  
 1,2,4-Trichlorobenzene  
 Concen: 23.275 ug/l  
 RT: 14.24 min Scan# 1391  
 Delta R.T. 0.00 min  
 Lab File: VF062435.D  
 Acq: 10 May 2019 23:02

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0510SBS02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 120212 |       |       |
| 182     | 96.8  | 49.0   | 147.0 |       |
| 145     | 34.3  | 16.7   | 50.1  |       |

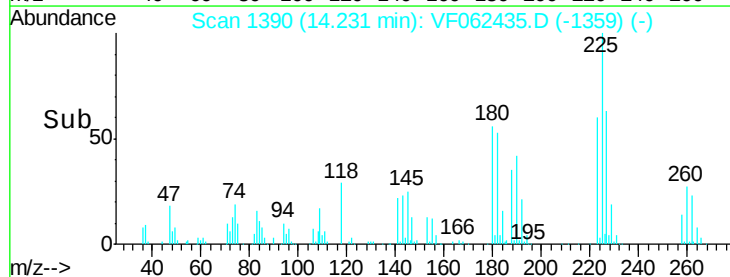
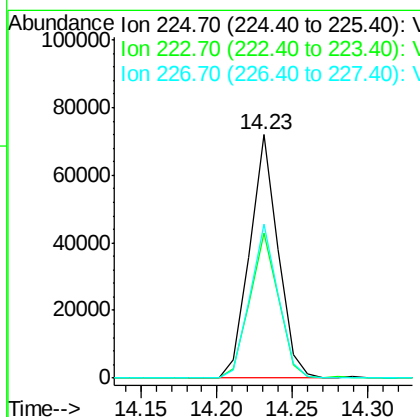
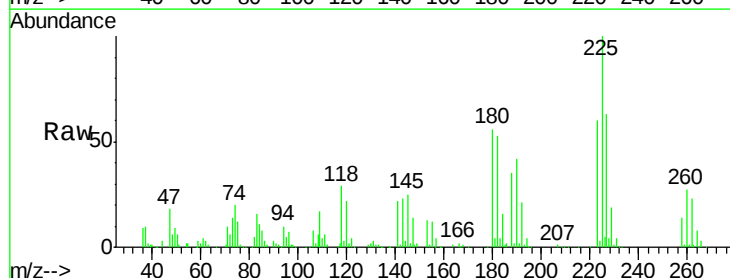
Manual Integrations  
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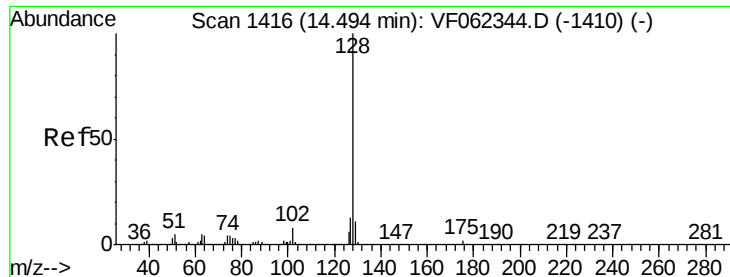
mohammad  
 5/14/2019 8:35:48 AM



#94  
 Hexachlorobutadiene  
 Concen: 24.518 ug/l  
 RT: 14.23 min Scan# 1390  
 Delta R.T. 0.00 min  
 Lab File: VF062435.D  
 Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 94384 |       |       |
| 223     | 60.5  | 31.9  | 95.5  |       |
| 227     | 63.3  | 33.1  | 99.5  |       |





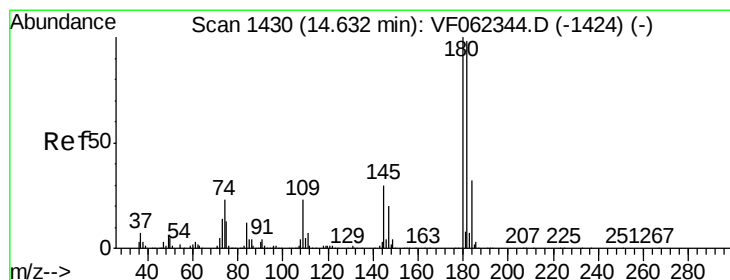
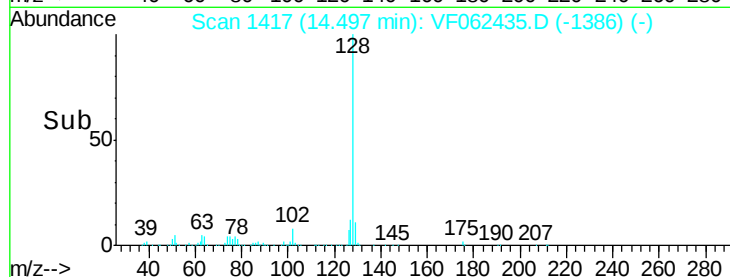
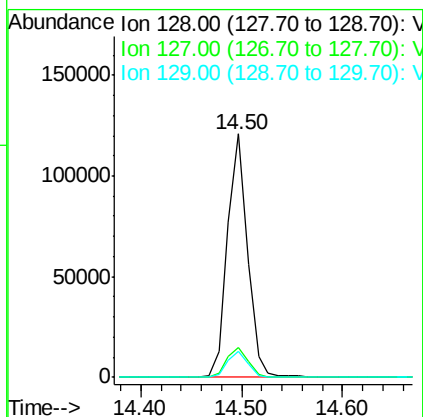
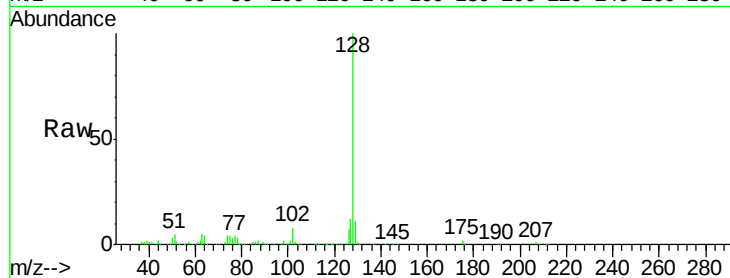
#95  
Naphthalene  
Concen: 21.569 ug/l  
RT: 14.50 min Scan# 1417  
Delta R.T. 0.00 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0510SBS02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.2  | 10.5  | 15.7  |
| 129     | 10.8  | 8.6   | 12.8  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 23.647 ug/l  
RT: 14.64 min Scan# 1432  
Delta R.T. 0.01 min  
Lab File: VF062435.D  
Acq: 10 May 2019 23:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.3  | 49.4  | 148.0 |
| 145     | 30.9  | 14.8  | 44.3  |

