

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\  
 Data File : VF062635.D  
 Acq On : 17 May 2019 13:13  
 Operator : FY/SY  
 Sample : VF0517SBS01  
 Misc : 5.00g/5mL/MSVOA F/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0517SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 5/20/2019 2:52:05 PM

Quant Time: May 18 01:56:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F051619S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 17 05:49:09 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.07  | 168  | 794487   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.79  | 114  | 1309217  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.92  | 117  | 987494   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.62 | 152  | 501649   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 5.05   | 65  | 272376   | 48.52 | ug/l   | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.04% |      |
| 35) Dibromofluoromethane  | 4.33   | 113 | 455064   | 45.42 | ug/l   | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.84% |      |
| 50) Toluene-d8            | 7.73   | 98  | 1153902  | 48.24 | ug/l   | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.48% |      |
| 62) 4-Bromofluorobenzene  | 11.50  | 95  | 424915   | 46.84 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.68% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.01 | 85  | 183210  | 16.945  | ug/l   | 93     |
| 3) Chloromethane              | 1.15 | 50  | 188024  | 18.887  | ug/l   | 92     |
| 4) Vinyl Chloride             | 1.19 | 62  | 178794  | 19.511  | ug/l   | 94     |
| 5) Bromomethane               | 1.39 | 94  | 95141   | 18.978  | ug/l   | 92     |
| 6) Chloroethane               | 1.45 | 64  | 61111   | 18.158  | ug/l # | 86     |
| 7) Trichlorofluoromethane     | 1.56 | 101 | 232102  | 18.863  | ug/l   | 92     |
| 8) Diethyl Ether              | 1.72 | 74  | 51622   | 21.178  | ug/l   | 93     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.92 | 101 | 159150  | 20.313  | ug/l   | 98     |
| 10) Methyl Iodide             | 1.99 | 142 | 304240  | 19.768  | ug/l   | 97     |
| 11) Tert butyl alcohol        | 2.71 | 59  | 38894   | 104.933 | ug/l # | 88     |
| 12) 1,1-Dichloroethene        | 1.88 | 96  | 147047  | 20.603  | ug/l   | 89     |
| 13) Acrolein                  | 2.11 | 56  | 40113   | 103.675 | ug/l   | 96     |
| 14) Allyl chloride            | 2.21 | 41  | 145819  | 22.574  | ug/l   | 98     |
| 15) Acrylonitrile             | 3.10 | 53  | 107473  | 102.790 | ug/l   | 100    |
| 16) Acetone                   | 2.36 | 43  | 142042  | 97.522  | ug/l # | 89     |
| 17) Carbon Disulfide          | 1.93 | 76  | 426146m | 20.145  | ug/l   |        |
| 18) Methyl Acetate            | 2.48 | 43  | 52249   | 22.828  | ug/l   | 94     |
| 19) Methyl tert-butyl Ether   | 2.56 | 73  | 273546  | 21.440  | ug/l   | 100    |
| 20) Methylene Chloride        | 2.35 | 84  | 141762m | 19.418  | ug/l   |        |
| 21) trans-1,2-Dichloroethene  | 2.44 | 96  | 143336  | 20.547  | ug/l   | 96     |
| 22) Diisopropyl ether         | 2.95 | 45  | 343017  | 21.531  | ug/l   | 96     |
| 23) Vinyl Acetate             | 3.36 | 43  | 1213663 | 112.931 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 3.03 | 63  | 251458  | 21.515  | ug/l   | 97     |
| 25) 2-Butanone                | 4.55 | 43  | 319946  | 102.816 | ug/l   | 93     |
| 26) 2,2-Dichloropropane       | 3.80 | 77  | 152869  | 22.860  | ug/l   | 84     |
| 27) cis-1,2-Dichloroethene    | 3.66 | 96  | 244428  | 21.301  | ug/l   | 97     |
| 28) Bromochloromethane        | 3.91 | 49  | 128922  | 19.668  | ug/l   | 98     |
| 29) Tetrahydrofuran           | 4.29 | 42  | 139928  | 111.120 | ug/l   | 98     |
| 30) Chloroform                | 4.07 | 83  | 341730  | 21.060  | ug/l   | 96     |
| 31) Cyclohexane               | 3.89 | 56  | 325217  | 20.724  | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 4.31 | 97  | 237645  | 22.052  | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 4.49 | 75  | 303714  | 22.639  | ug/l   | 96     |
| 37) Ethyl Acetate             | 4.32 | 43  | 118974  | 21.720  | ug/l # | 80     |
| 38) Carbon Tetrachloride      | 4.20 | 117 | 200673  | 19.889  | ug/l   | 98     |

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 Operator : FY/SY  
 Sample : VF0517SBS01  
 Misc : 5.00g/5mL/MSVOA F/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0517SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 5/20/2019 2:52:05 PM

Quant Time: May 18 01:56:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F051619S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 17 05:49:09 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 5.65  | 83   | 380000   | 23.541  | ug/l   | 93       |
| 40) Benzene                    | 4.84  | 78   | 813180   | 22.250  | ug/l   | 100      |
| 41) Methacrylonitrile          | 4.95  | 41   | 60577    | 21.094  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 5.15  | 62   | 156611   | 21.489  | ug/l   | 92       |
| 43) Isopropyl Acetate          | 7.13  | 43   | 129002   | 18.179  | ug/l # | 98       |
| 44) Trichloroethene            | 5.70  | 130  | 226026   | 22.005  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 6.42  | 63   | 194312   | 21.062  | ug/l   | 97       |
| 46) Dibromomethane             | 6.27  | 93   | 119526   | 22.417  | ug/l   | 98       |
| 47) Bromodichloromethane       | 6.57  | 83   | 234480   | 21.184  | ug/l   | 98       |
| 48) Methyl methacrylate        | 6.89  | 41   | 81324    | 21.925  | ug/l   | 94       |
| 49) 1,4-Dioxane                | 6.89  | 88   | 23671    | 498.269 | ug/l # | 82       |
| 51) 4-Methyl-2-Pentanone       | 8.42  | 43   | 535910   | 110.482 | ug/l   | 93       |
| 52) Toluene                    | 7.79  | 92   | 436150   | 22.755  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene      | 8.44  | 75   | 193752   | 21.395  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 7.47  | 75   | 284253   | 22.424  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 8.65  | 97   | 124322   | 21.907  | ug/l   | 92       |
| 56) Ethyl methacrylate         | 8.77  | 69   | 235797   | 34.875  | ug/l   | 91       |
| 57) 1,3-Dichloropropane        | 9.01  | 76   | 205564   | 21.266  | ug/l   | 94       |
| 58) 2-Chloroethyl Vinyl ether  | 7.46  | 63   | 246761   | 112.125 | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.63  | 43   | 342263   | 97.585  | ug/l   | 96       |
| 60) Dibromochloromethane       | 8.87  | 129  | 156423   | 21.148  | ug/l   | 95       |
| 61) 1,2-Dibromoethane          | 9.14  | 107  | 139949   | 23.217  | ug/l   | 94       |
| 64) Tetrachloroethene          | 8.32  | 164  | 171225   | 21.887  | ug/l   | 97       |
| 65) Chlorobenzene              | 9.95  | 112  | 439669   | 22.669  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.08 | 131  | 174437   | 22.403  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.05 | 91   | 758657   | 22.516  | ug/l   | 96       |
| 68) m/p-Xylenes                | 10.27 | 106  | 569965   | 45.008  | ug/l   | 83       |
| 69) o-Xylene                   | 10.82 | 106  | 297805   | 22.831  | ug/l   | 85       |
| 70) Styrene                    | 10.90 | 104  | 452117   | 22.805  | ug/l   | 97       |
| 71) Bromoform                  | 10.88 | 173  | 87975    | 22.560  | ug/l # | 98       |
| 73) Isopropylbenzene           | 11.22 | 105  | 882682   | 24.550  | ug/l   | 95       |
| 74) N-amyl acetate             | 11.46 | 43   | 227130   | 21.783  | ug/l # | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.77 | 83   | 205161   | 27.922  | ug/l   | 85       |
| 76) 1,2,3-Trichloropropane     | 11.88 | 75   | 100651   | 20.848  | ug/l   | 99       |
| 77) Bromobenzene               | 11.59 | 156  | 202599   | 22.670  | ug/l   | 87       |
| 78) n-propylbenzene            | 11.68 | 91   | 1091880  | 25.661  | ug/l   | 96       |
| 79) 2-Chlorotoluene            | 11.80 | 91   | 559685   | 23.340  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene     | 11.90 | 105  | 624750   | 21.670  | ug/l   | 92       |
| 81) trans-1,4-Dichloro-2-buten | 11.95 | 75   | 41725m   | 19.443  | ug/l   |          |
| 82) 4-Chlorotoluene            | 11.98 | 91   | 484553   | 20.491  | ug/l   | 93       |
| 83) tert-Butylbenzene          | 12.20 | 119  | 678650   | 23.202  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 12.27 | 105  | 625348   | 22.411  | ug/l   | 92       |
| 85) sec-Butylbenzene           | 12.37 | 105  | 1050930  | 26.773  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.53 | 119  | 732524   | 22.144  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 12.55 | 146  | 338739   | 20.950  | ug/l   | 94       |
| 88) 1,4-Dichlorobenzene        | 12.64 | 146  | 315297   | 20.780  | ug/l   | 94       |
| 89) n-Butylbenzene             | 12.90 | 91   | 824009   | 25.264  | ug/l   | 94       |
| 90) Hexachloroethane           | 12.98 | 117  | 166648   | 21.000  | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene        | 13.00 | 146  | 318037   | 22.066  | ug/l   | 88       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.69 | 75   | 17788    | 20.293  | ug/l   | 84       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051719\  
Data File : VF062635.D  
Acq On : 17 May 2019 13:13  
Operator : FY/SY  
Sample : VF0517SBSD01  
Misc : 5.00g/5mL/MSVOA F/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0517SBSD01

Manual Integrations  
APPROVED

MMDadoda  
5/20/2019 2:52:05 PM

Quant Time: May 18 01:56:56 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F051619S.M  
Quant Title : SW846 8260  
QLast Update : Fri May 17 05:49:09 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|----------------------------|-------|------|----------|--------|--------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.24 | 180  | 169981   | 16.476 | ug/l   | 93       |
| 94) Hexachlorobutadiene    | 14.23 | 225  | 112883   | 15.679 | ug/l   | 97       |
| 95) Naphthalene            | 14.50 | 128  | 903195   | 48.190 | ug/l # | 94       |
| 96) 1,2,3-Trichlorobenzene | 14.65 | 180  | 168904   | 17.284 | ug/l   | 94       |

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

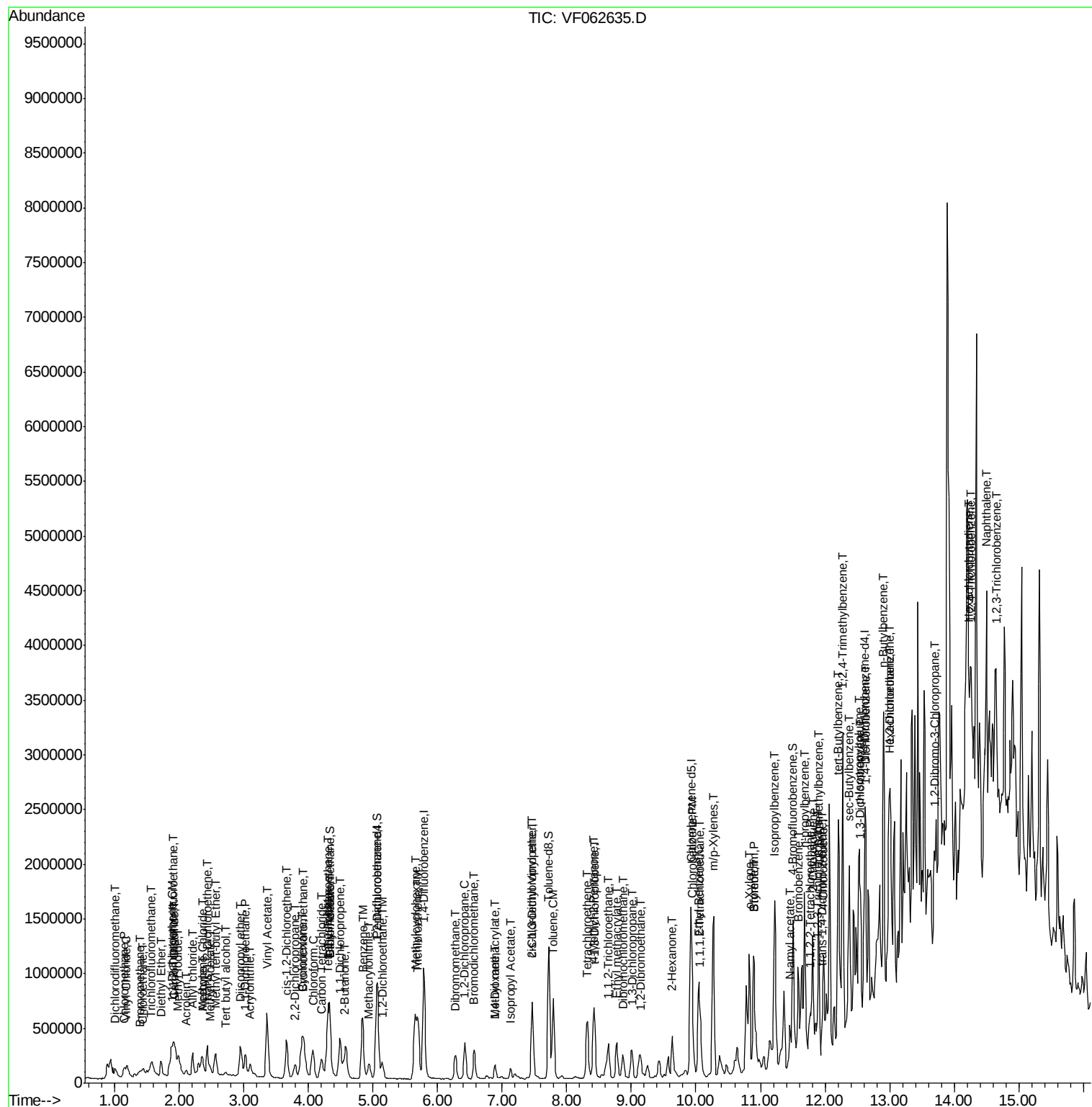
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 Data File : VF062635.D  
 Acq On : 17 May 2019 13:13  
 Operator : FY/SY  
 Sample : VF0517SBSD01  
 Misc : 5.00µ/5mL/MSVOA F/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

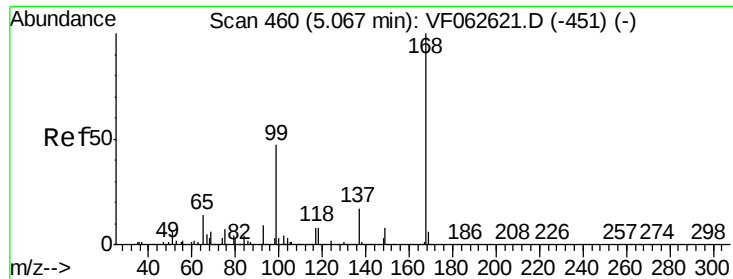
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0517SBSD01

Manual Integrations  
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MMDadoda  
 5/20/2019 2:52:05 PM

Quant Time: May 18 01:56:56 2019  
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 QLast Update : Fri May 17 05:49:09 2019  
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

ClientSampleId :

VF0517SBS01

Tot Ion:168 Resp: 794487

Ion Ratio Lower Upper

168 100

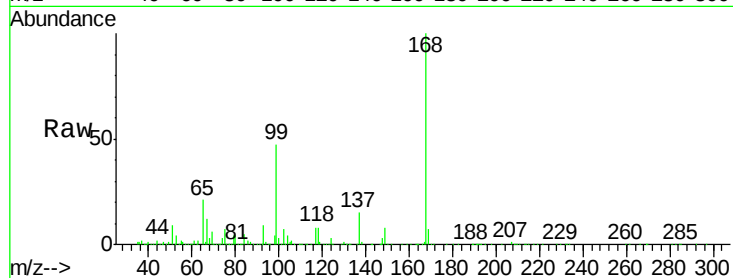
99 47.1 37.8 56.8

Manual Integrations

APPROVED

MMDadoda

5/20/2019 2:52:05 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

300000

250000

200000

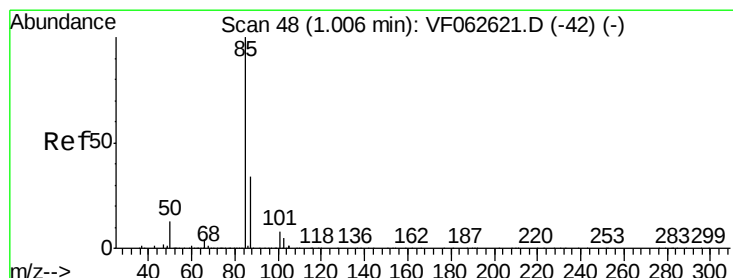
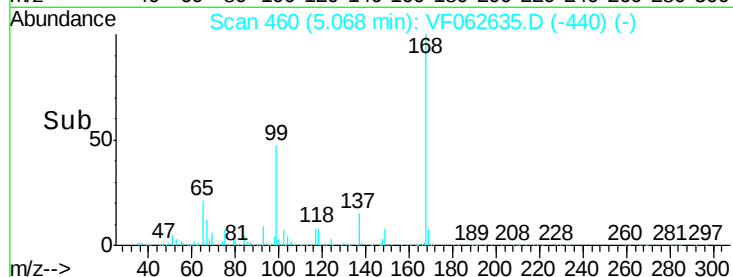
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 16.945 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062635.D

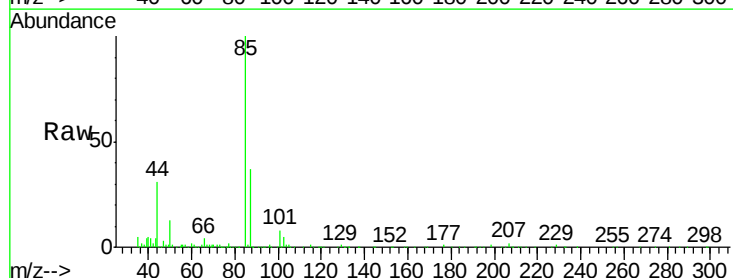
Acq: 17 May 2019 13:13

Tgt Ion: 85 Resp: 183210

Ion Ratio Lower Upper

85 100

87 37.2 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

50000

40000

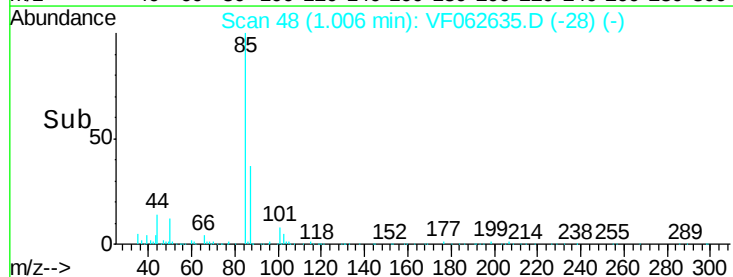
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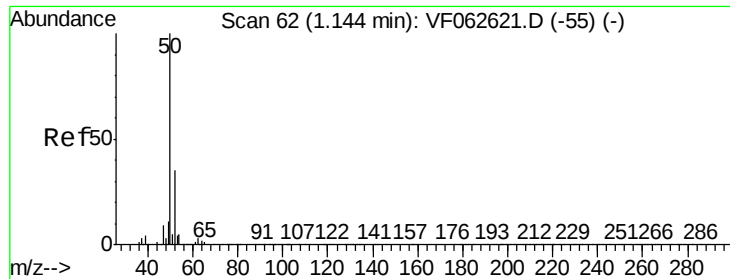
20000

10000

0

Time--> 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 18.887 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

ClientSampleId :

VF0517SBS01

Tot Ion: 50 Resp: 188024

Ion Ratio Lower Upper

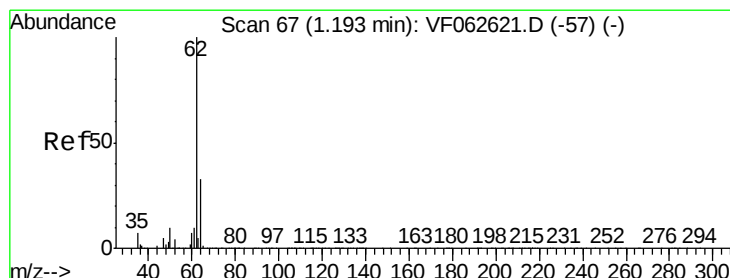
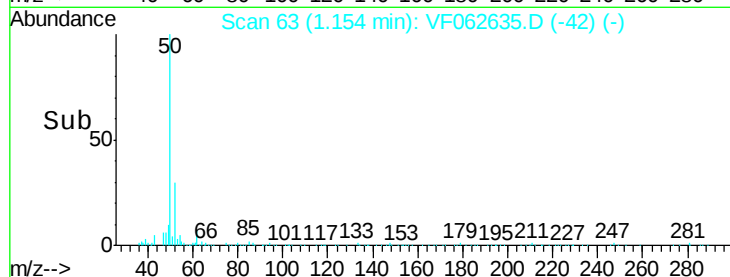
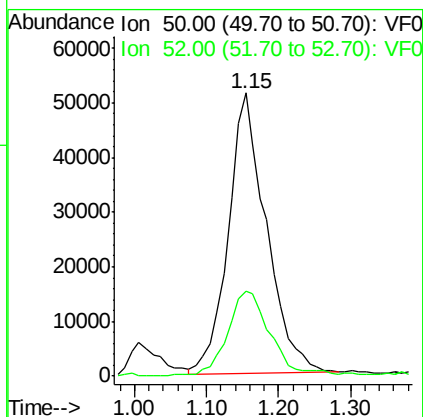
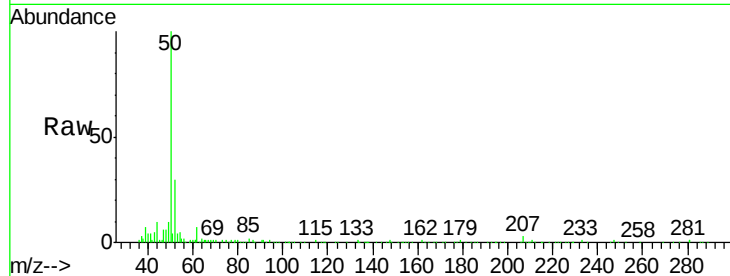
50 100

52 30.0 27.5 41.3

Manual Integrations  
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5/20/2019 2:52:05 PM



#4

Vinyl Chloride

Concen: 19.511 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062635.D

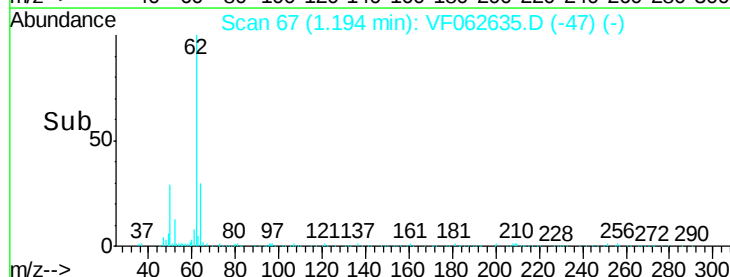
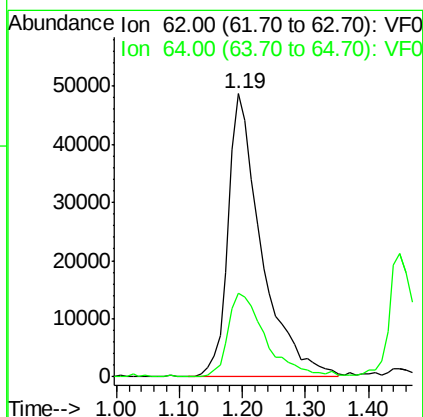
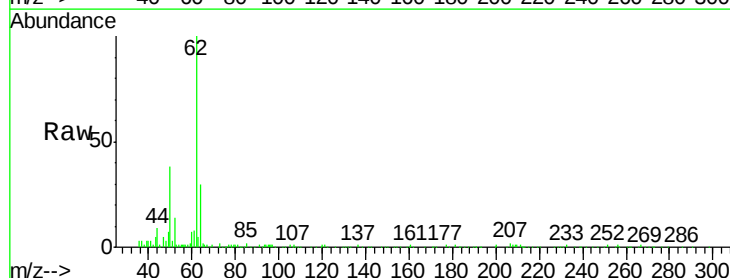
Acq: 17 May 2019 13:13

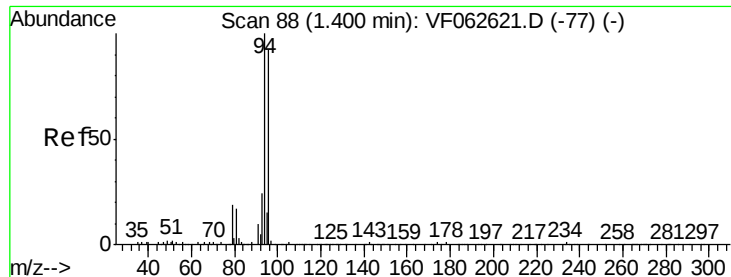
Tgt Ion: 62 Resp: 178794

Ion Ratio Lower Upper

62 100

64 29.8 26.7 40.1





#5

Bromomethane

Concen: 18.978 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

ClientSampleId :

VF0517SBS01

Tot Ion: 94 Resp: 95141

Ion Ratio Lower Upper

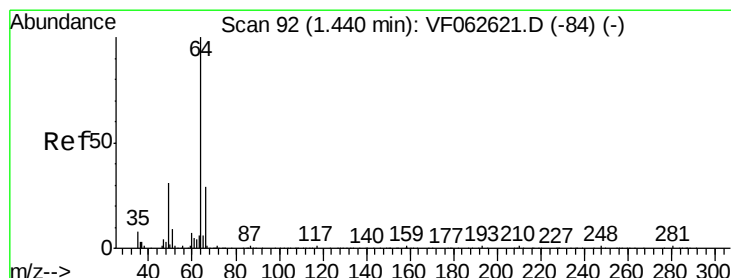
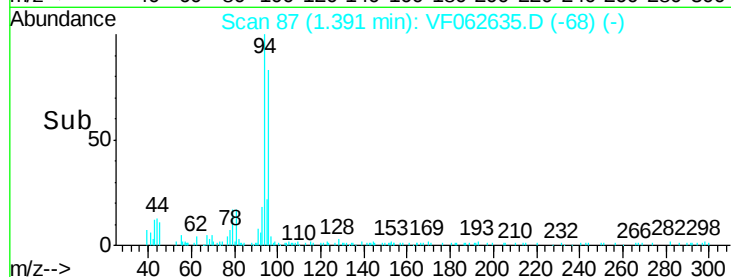
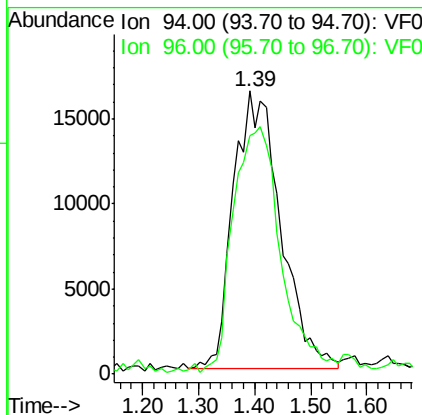
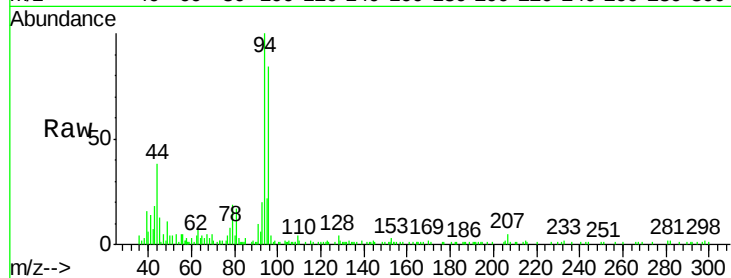
94 100

96 84.3 73.2 109.8

Manual Integrations  
APPROVED

MMDadoda

5/20/2019 2:52:05 PM



#6

Chloroethane

Concen: 18.158 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062635.D

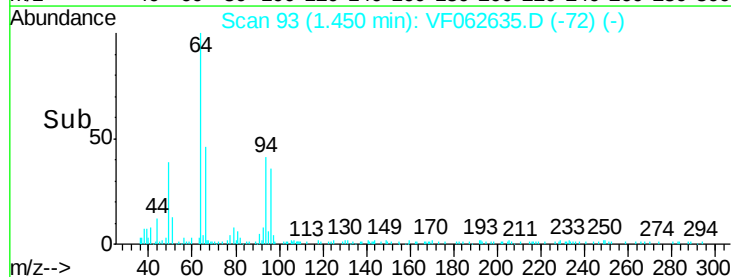
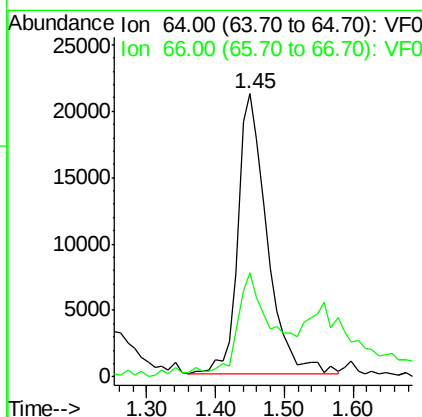
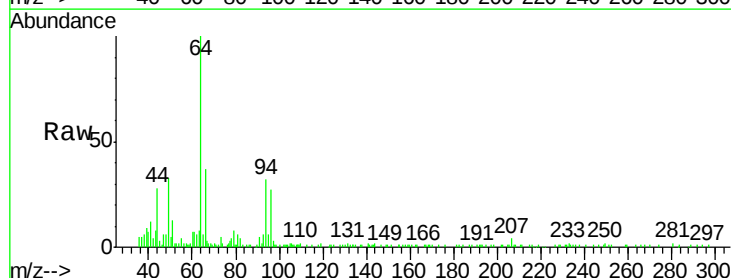
Acq: 17 May 2019 13:13

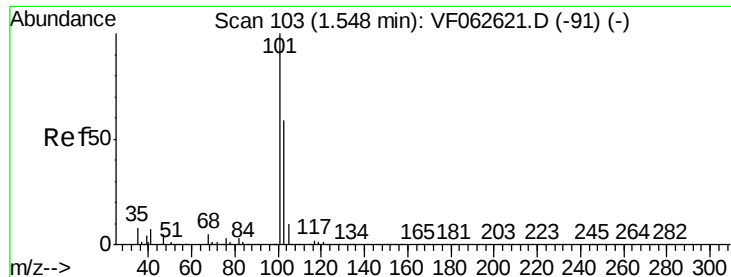
Tgt Ion: 64 Resp: 61111

Ion Ratio Lower Upper

64 100

66 37.0 23.4 35.2#





#7

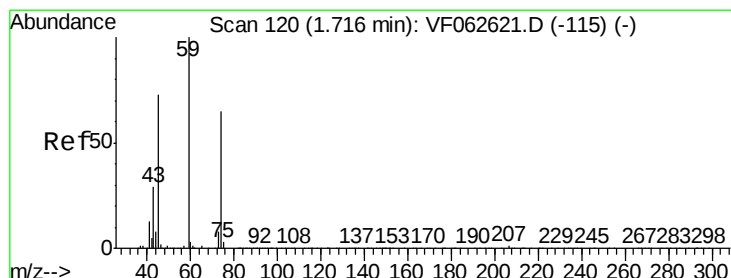
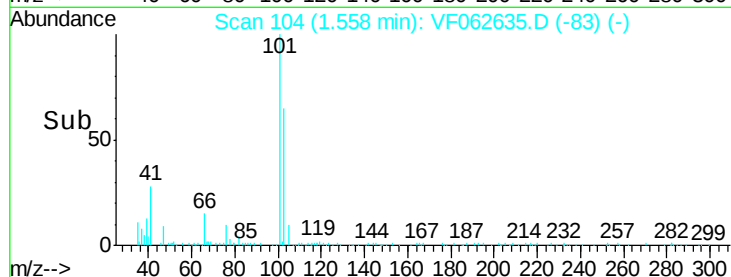
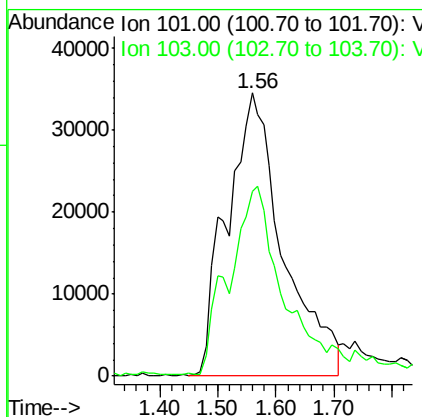
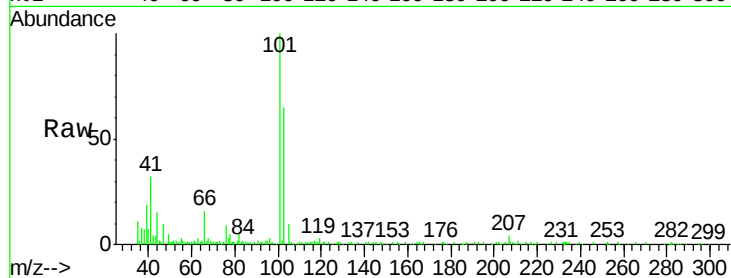
Trichlorofluoromethane  
Concen: 18.863 ug/l  
RT: 1.56 min Scan# 104  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0517SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.4  | 47.3  | 70.9  |

Manual Integrations  
APPROVED

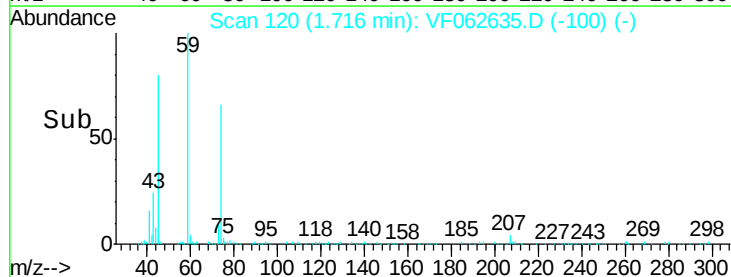
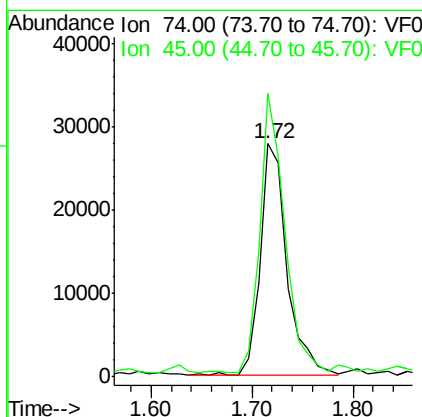
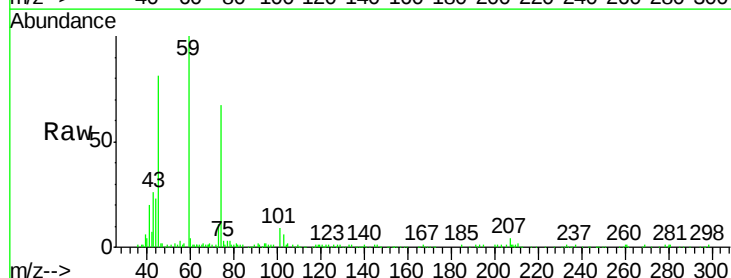
MMDadoda  
5/20/2019 2:52:05 PM

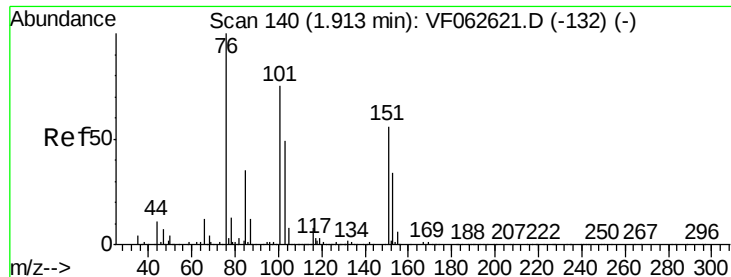


#8

Diethyl Ether  
Concen: 21.178 ug/l  
RT: 1.72 min Scan# 120  
Delta R.T. 0.00 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 121.5 | 57.0  | 170.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.313 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

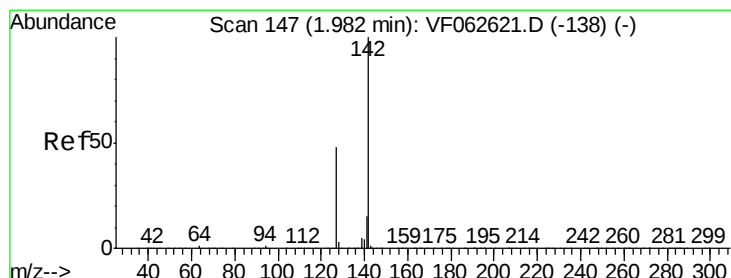
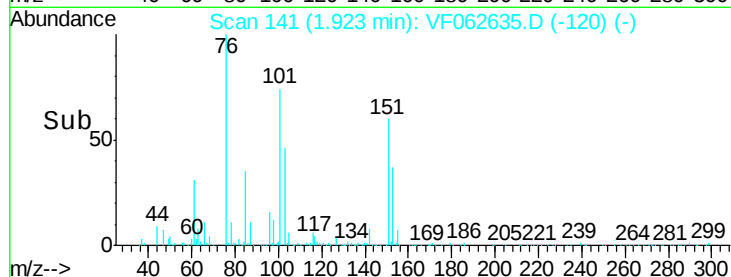
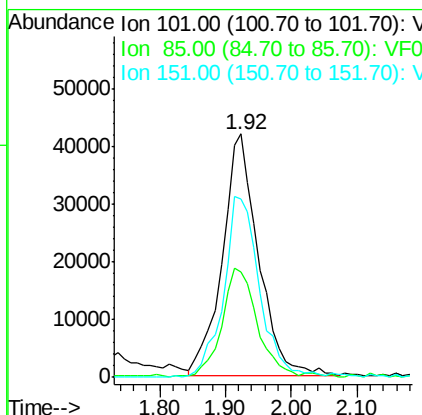
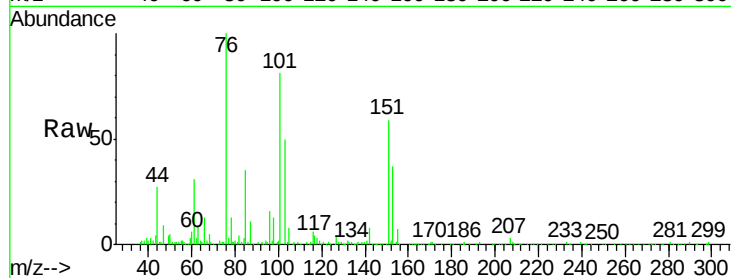
ClientSampleId :

VF0517SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 159150 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.1  | 37.1  | 55.7   |
| 151       | 73.2  | 58.8  | 88.2   |

Manual Integrations  
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#10

Methyl Iodide

Concen: 19.768 ug/l

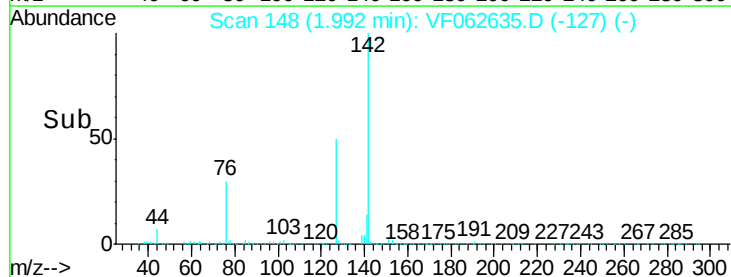
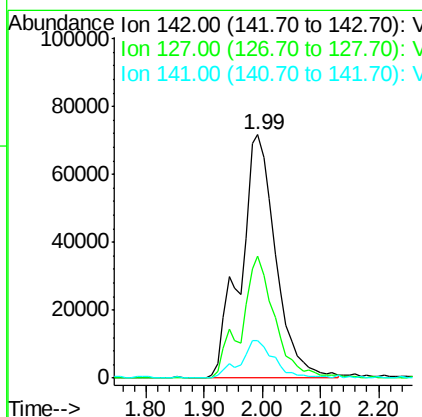
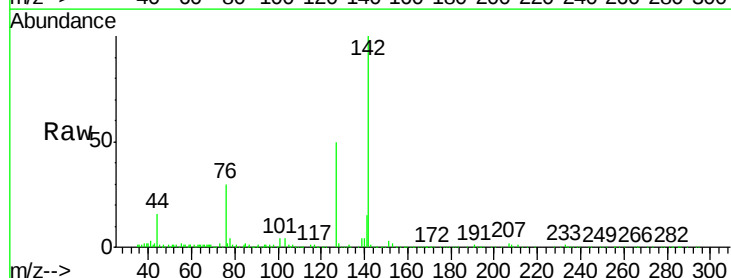
RT: 1.99 min Scan# 148

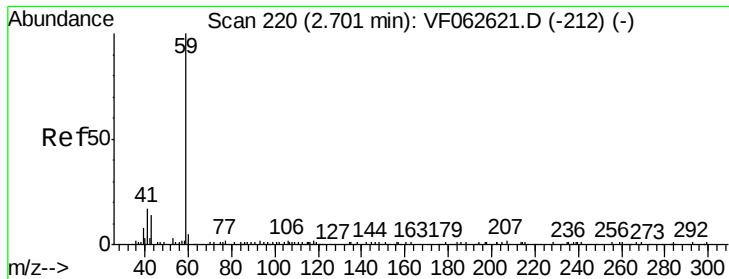
Delta R.T. 0.01 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 304240 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 50.3  | 38.1  | 57.1   |
| 141       | 15.3  | 11.7  | 17.5   |





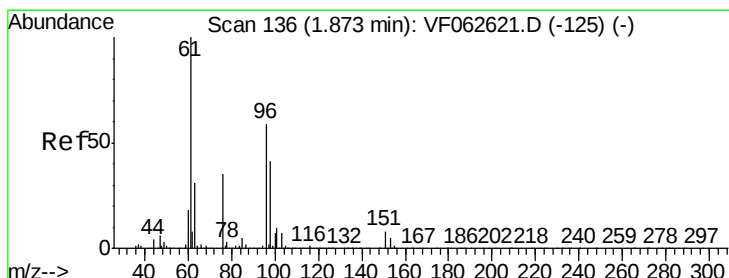
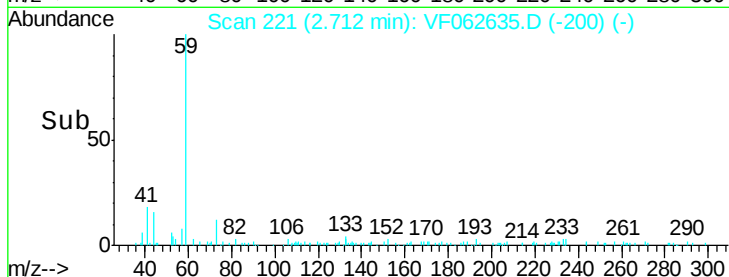
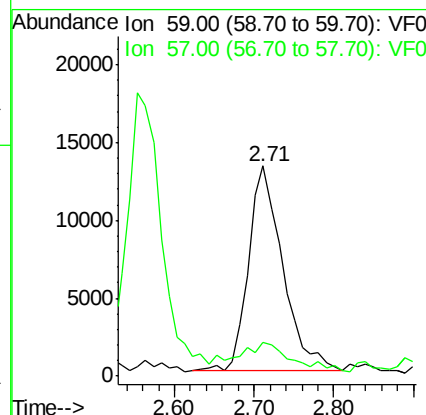
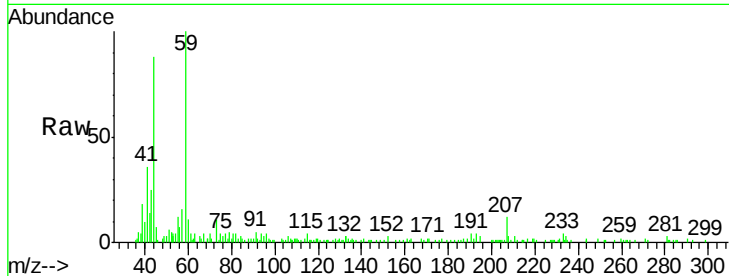
#11  
Tert butyl alcohol  
Concen: 104.933 ug/l  
RT: 2.71 min Scan# 221  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0517SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 16.1  | 9.3   | 13.9# |

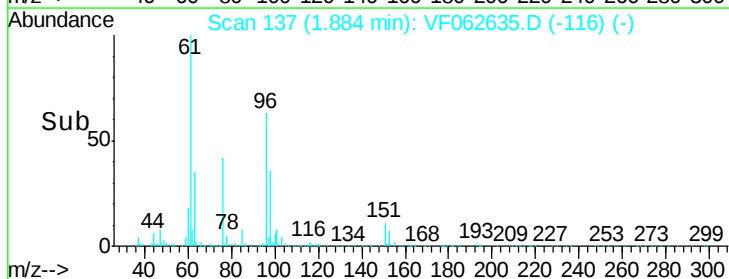
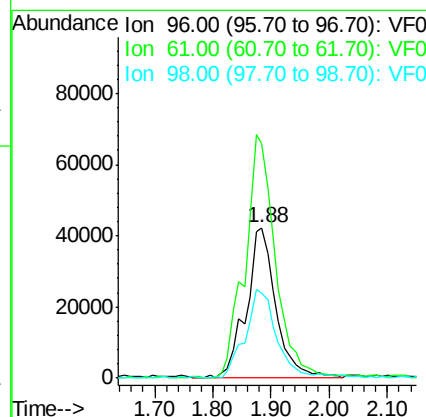
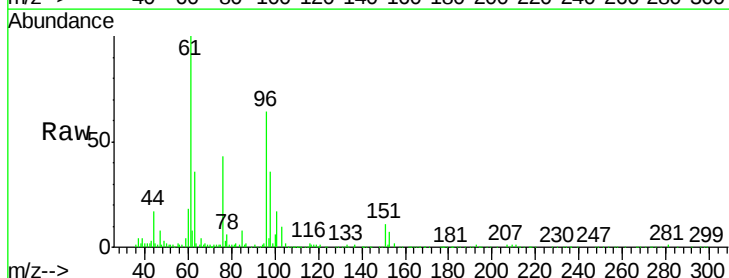
Manual Integrations  
APPROVED

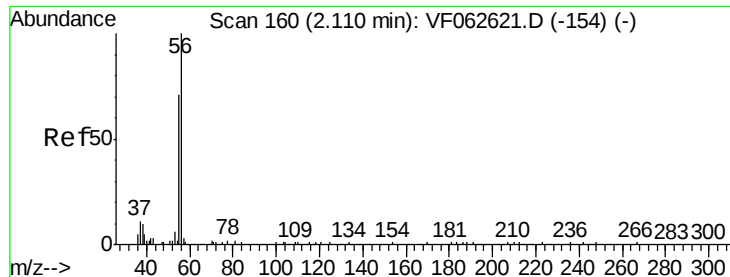
MMDadoda  
5/20/2019 2:52:05 PM



#12  
1,1-Dichloroethene  
Concen: 20.603 ug/l  
RT: 1.88 min Scan# 137  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 155.8 | 134.3 | 201.5 |
| 98      | 56.0  | 55.0  | 82.6  |





#13

Acrolein

Concen: 103.675 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

ClientSampleId :

VF0517SBS01

Tot Ion: 56 Resp: 40113

Ion Ratio Lower Upper

56 100

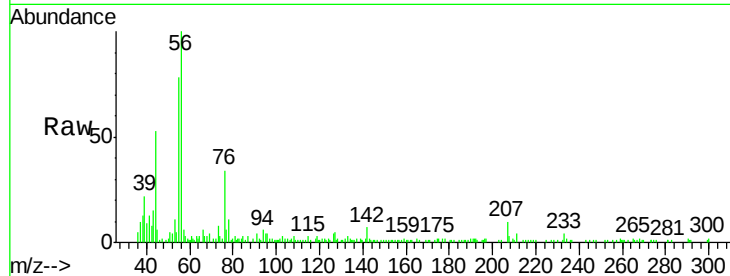
55 77.9 59.4 89.0

Manual Integrations

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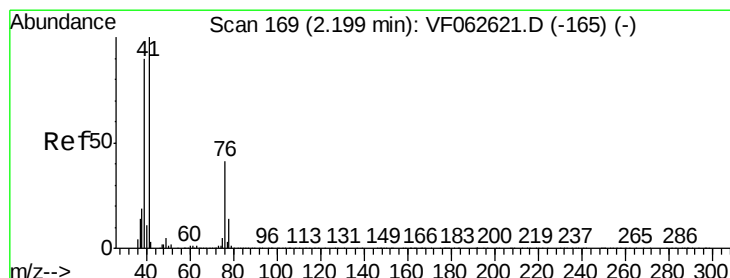
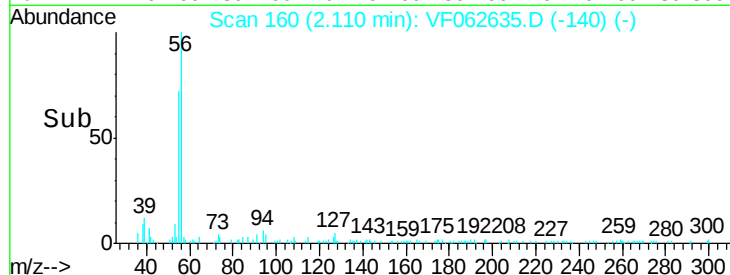
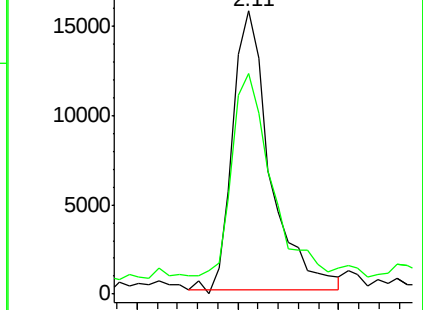
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 22.574 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

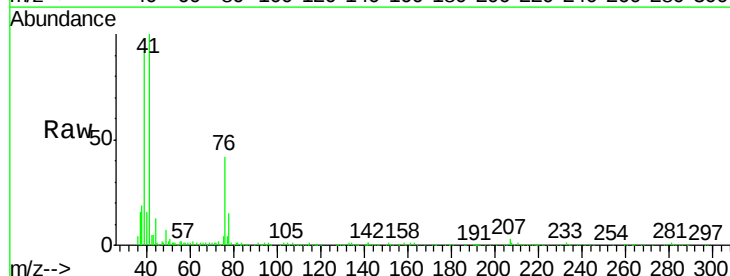
Tgt Ion: 41 Resp: 145819

Ion Ratio Lower Upper

41 100

39 92.0 72.0 108.0

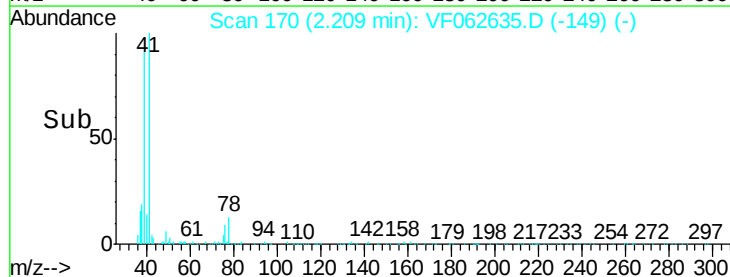
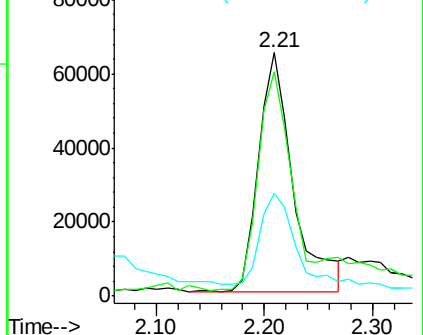
76 42.0 34.8 52.2

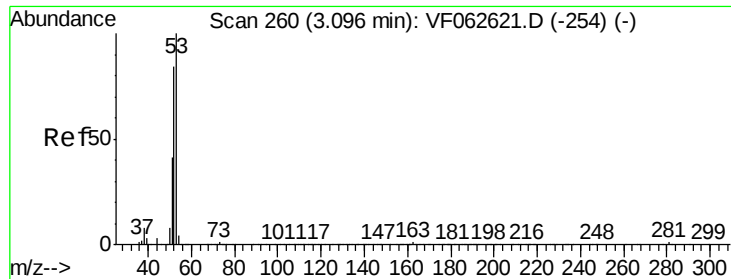


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 102.790 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

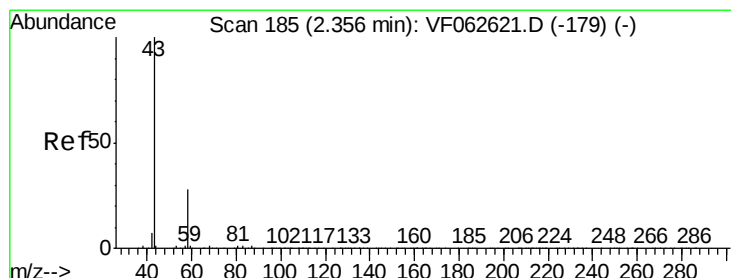
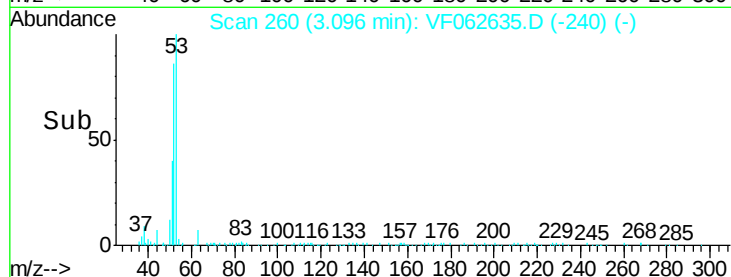
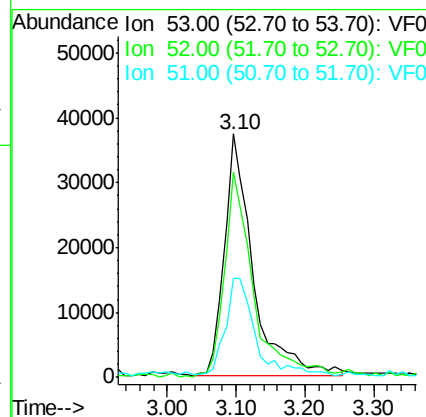
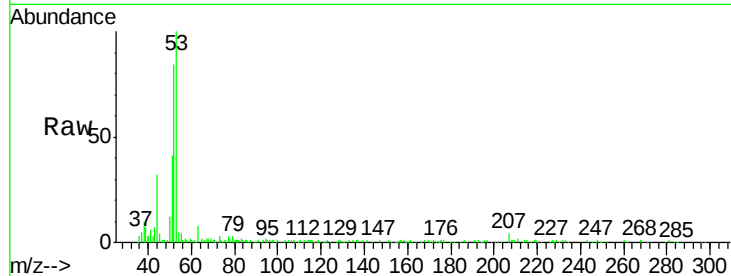
ClientSampleId :

VF0517SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 107473 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 84.3  | 67.3  | 100.9  |
| 51       | 40.7  | 33.0  | 49.6   |

Manual Integrations  
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#16

Acetone

Concen: 97.522 ug/l

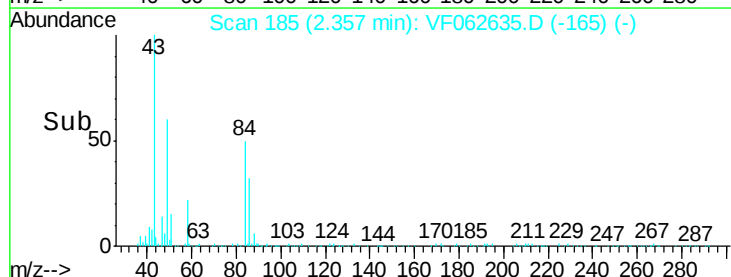
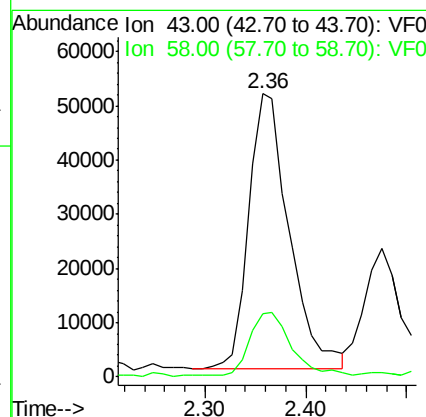
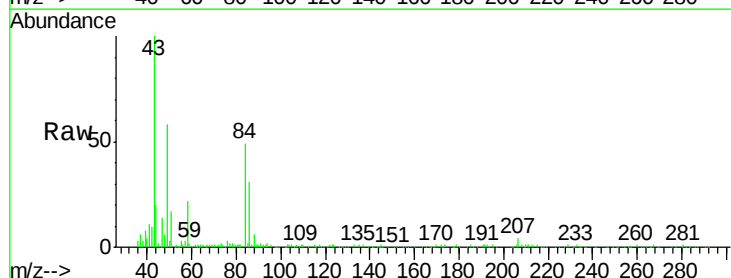
RT: 2.36 min Scan# 185

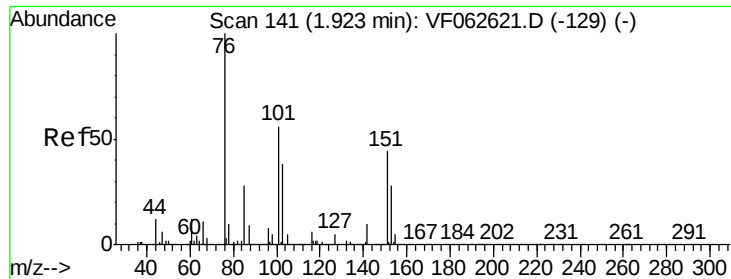
Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 142042 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 22.5  | 22.6  | 33.8#  |





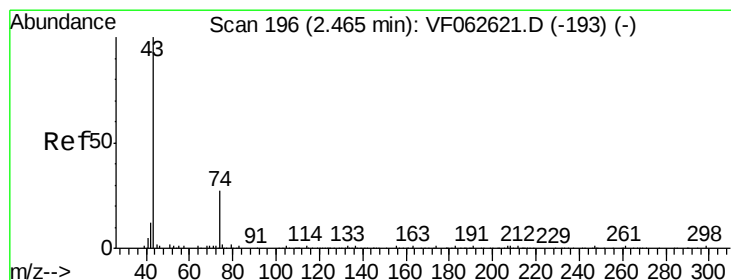
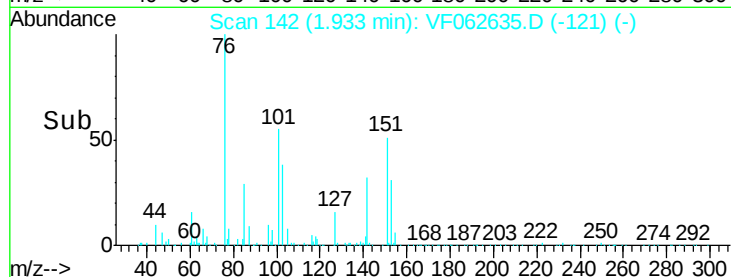
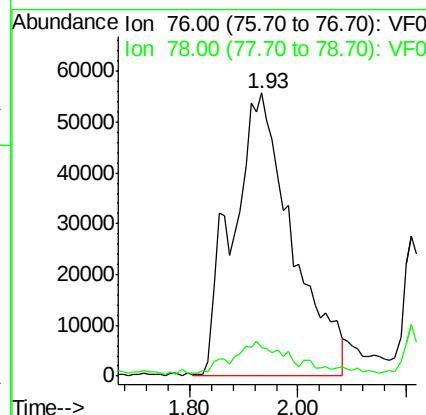
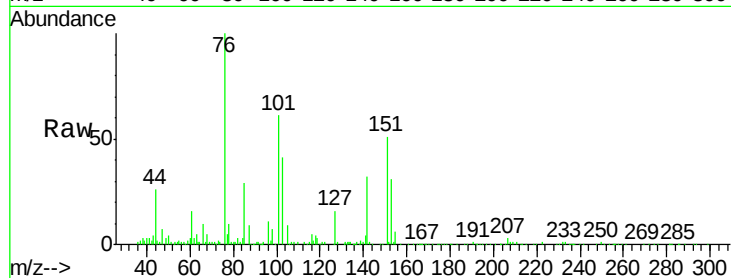
#17  
Carbon Disulfide  
Concen: 20.145 ug/l m  
RT: 1.93 min Scan# 142  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0517SBS01

Tot Ion: 76 Resp: 426146  
Ion Ratio Lower Upper  
76 100  
78 10.0 8.4 12.6

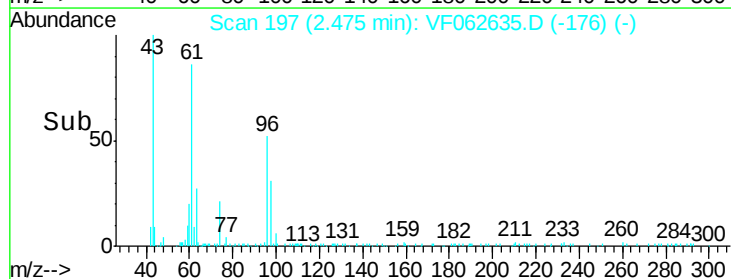
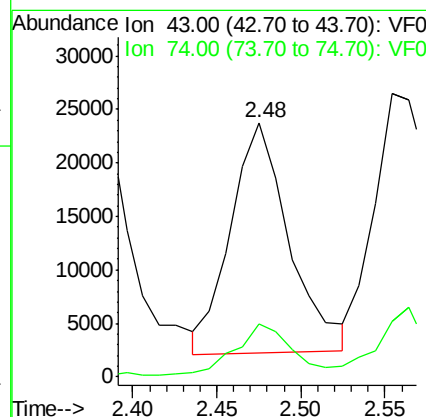
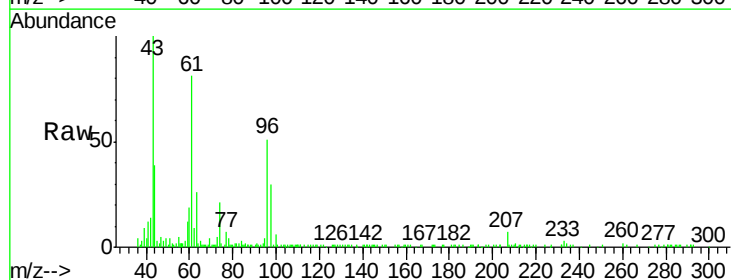
Manual Integrations  
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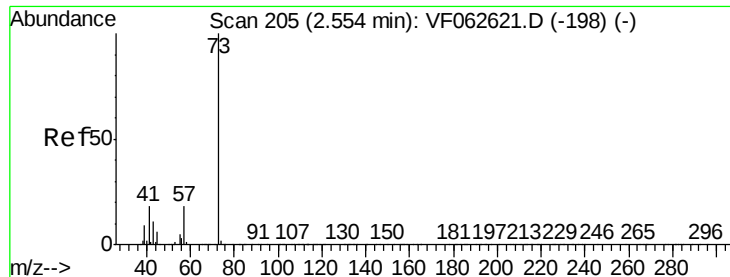
MMDadoda  
5/20/2019 2:52:05 PM



#18  
Methyl Acetate  
Concen: 22.828 ug/l  
RT: 2.48 min Scan# 197  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

Tgt Ion: 43 Resp: 52249  
Ion Ratio Lower Upper  
43 100  
74 20.9 18.9 28.3





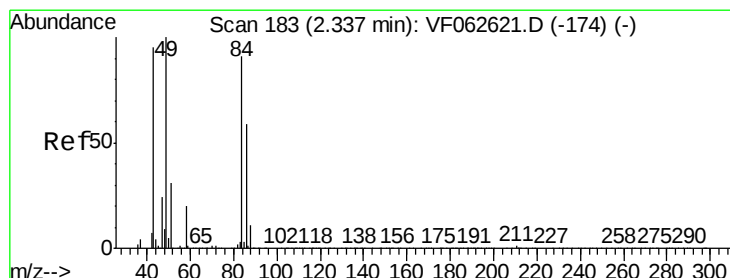
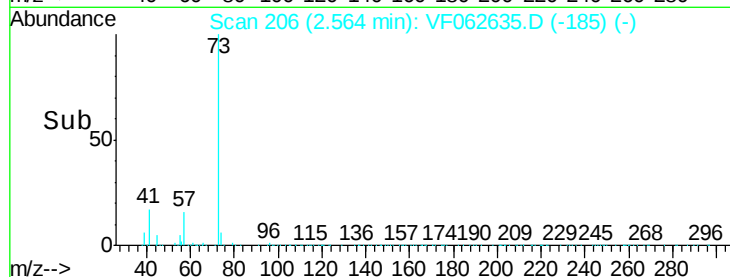
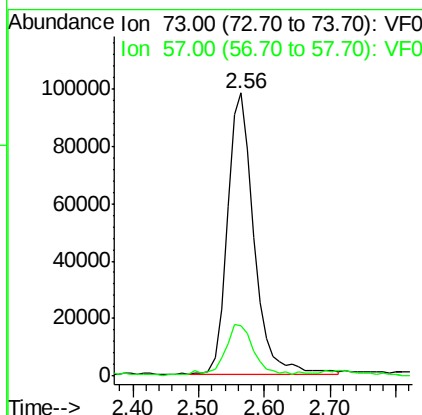
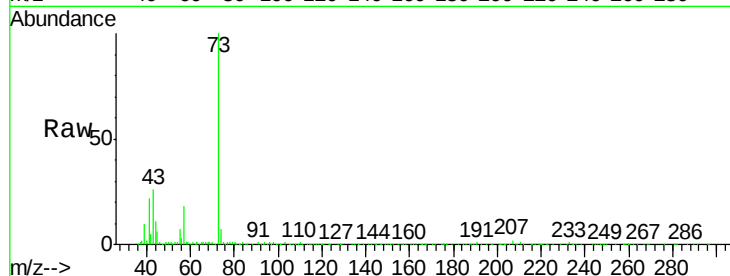
#19  
Methvl tert-butvl Ether  
Concen: 21.440 ug/l  
RT: 2.56 min Scan# 206  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0517SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 17.6  | 14.2  | 21.4  |

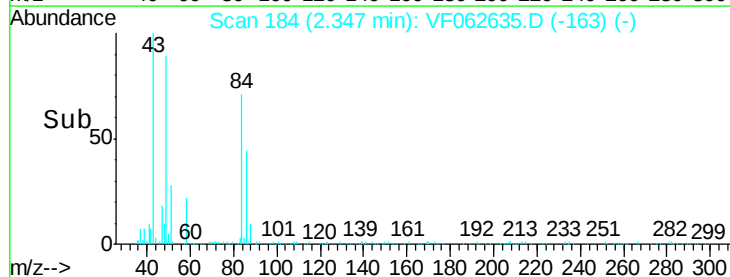
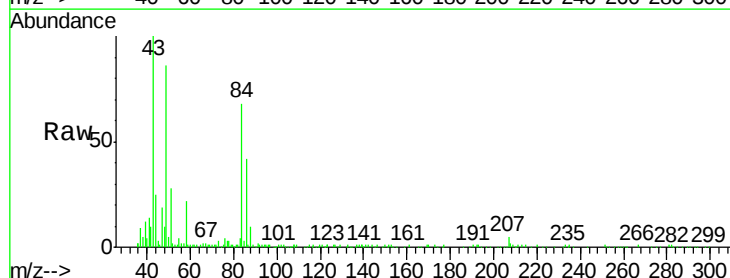
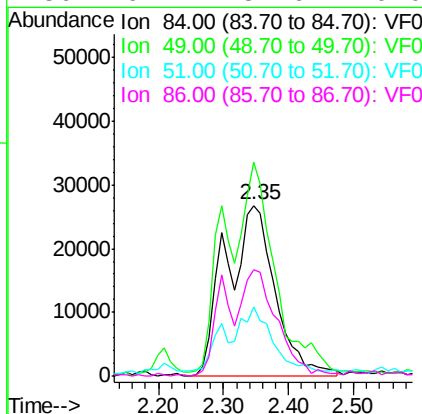
Manual Integrations  
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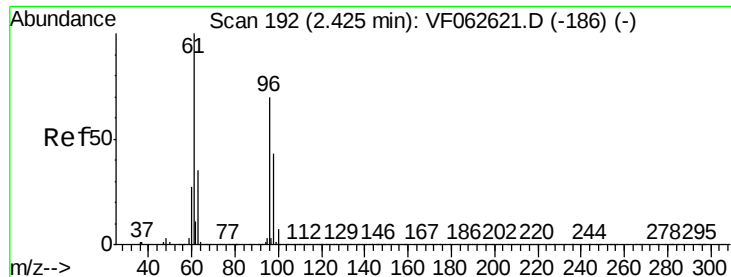
MMDadoda  
5/20/2019 2:52:05 PM



#20  
Methylene Chloride  
Concen: 19.418 ug/l m  
RT: 2.35 min Scan# 184  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 125.3 | 89.8  | 134.8 |
| 51      | 40.4  | 28.4  | 42.6  |
| 86      | 62.1  | 52.6  | 79.0  |





#21

trans-1,2-Dichloroethene

Concen: 20.547 ug/l

RT: 2.44 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

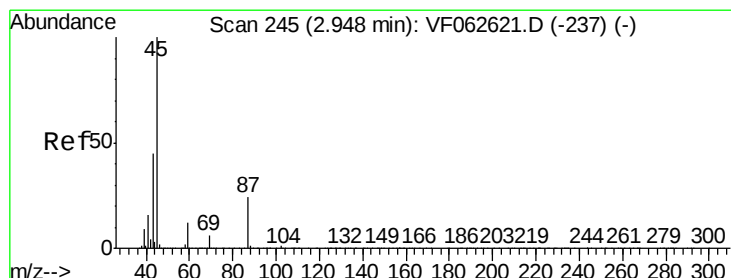
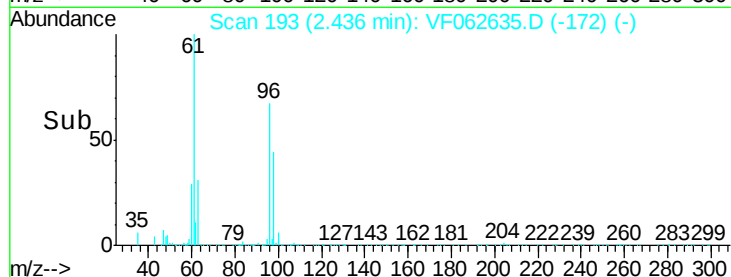
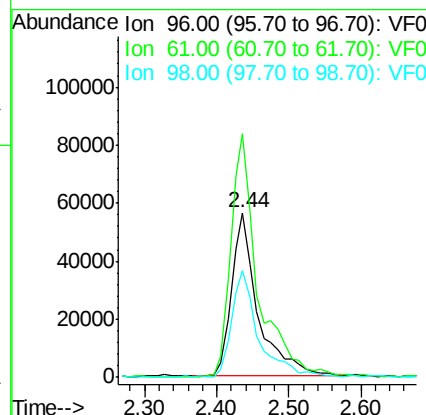
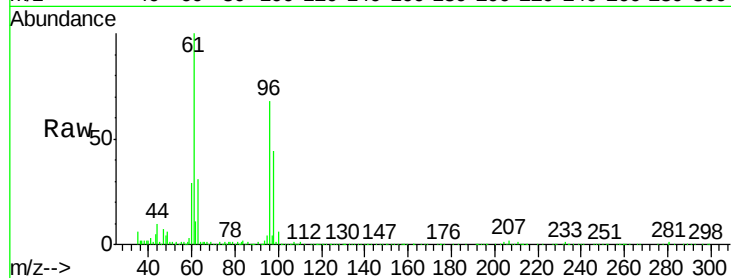
ClientSampleId :

VF0517SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 143336 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 147.8 | 114.6 | 171.8  |
| 98       | 64.4  | 49.5  | 74.3   |

Manual Integrations  
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5/20/2019 2:52:05 PM



#22

Diisopropyl ether

Concen: 21.531 ug/l

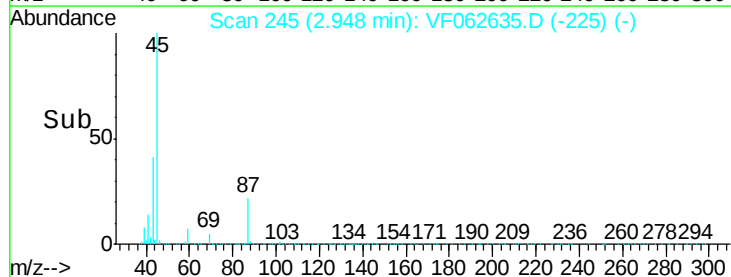
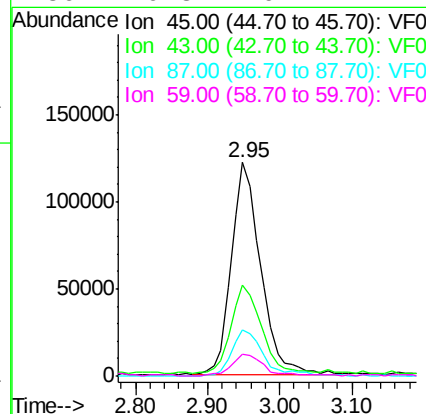
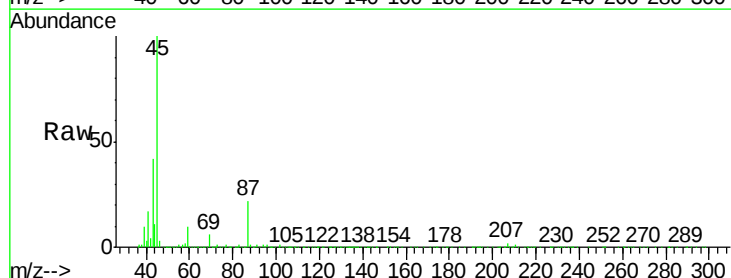
RT: 2.95 min Scan# 245

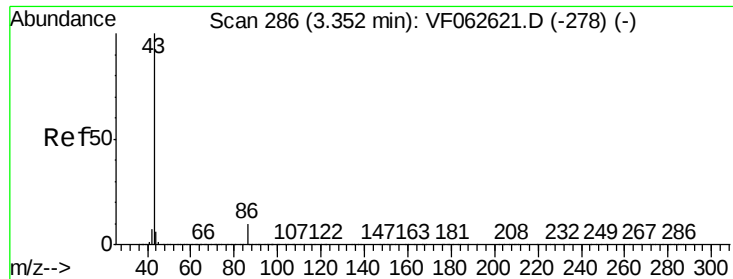
Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 343017 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 42.5  | 36.4  | 54.6   |
| 87       | 21.8  | 19.3  | 28.9   |
| 59       | 10.3  | 9.4   | 14.2   |





#23

Vinyl Acetate

Concen: 112.931 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.01 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

ClientSampleId :

VF0517SBS01

Tot Ion: 43 Resp: 1213663

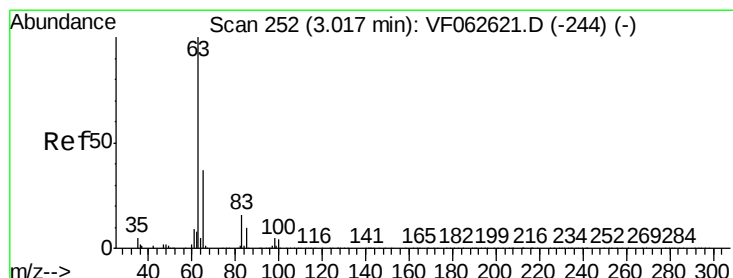
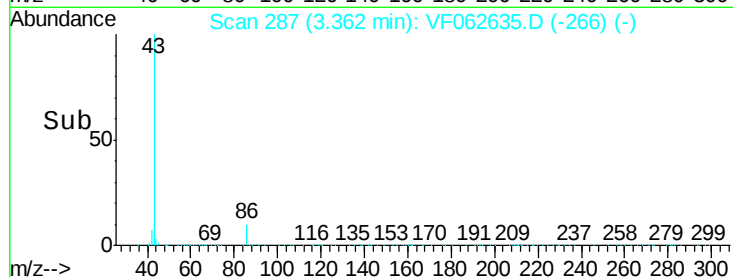
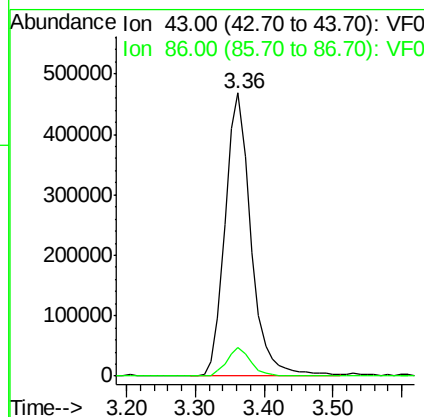
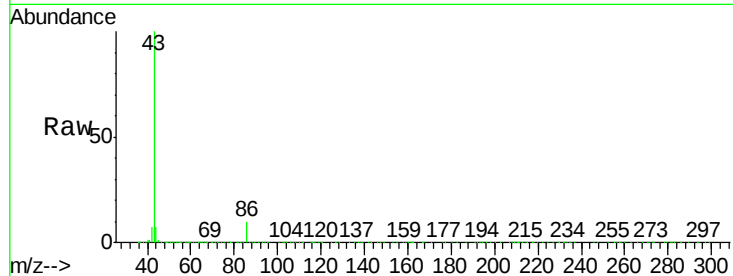
Ion Ratio Lower Upper

43 100

86 10.3 8.2 12.2

Manual Integrations  
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#24

1,1-Dichloroethane

Concen: 21.515 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

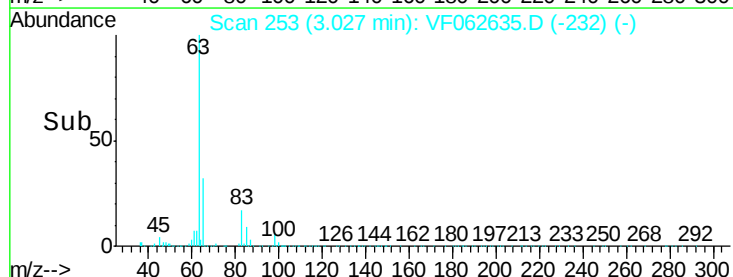
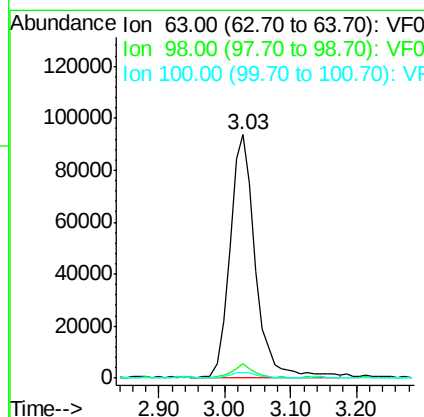
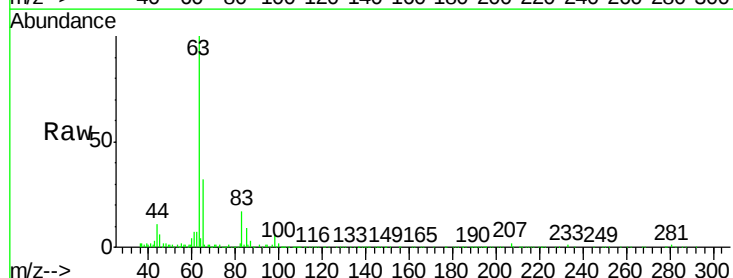
Tgt Ion: 63 Resp: 251458

Ion Ratio Lower Upper

63 100

98 6.3 2.8 8.3

100 2.5 1.9 5.7





#25

2-Butanone

Concen: 102.816 ug/l

RT: 4.55 min Scan# 407

Delta R.T. 0.01 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

ClientSampleId :

VF0517SBS01

Tot Ion: 43 Resp: 319946

Ion Ratio Lower Upper

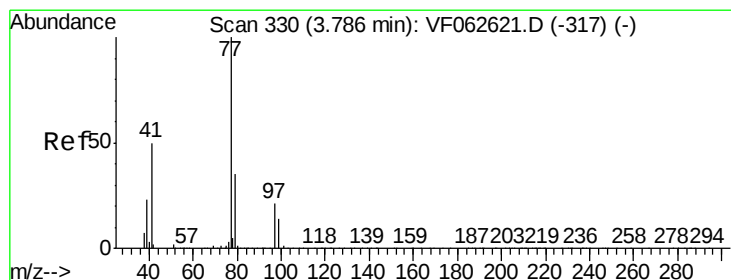
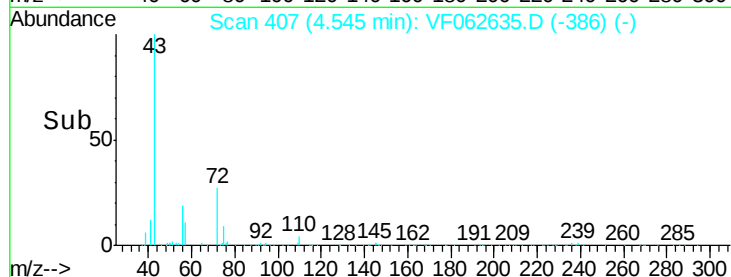
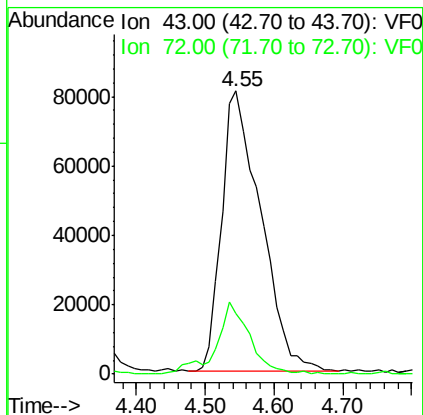
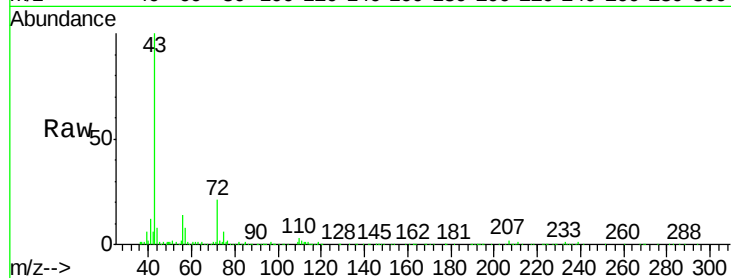
43 100

72 21.4 20.1 30.1

Manual Integrations  
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#26

2,2-Dichloropropane

Concen: 22.860 ug/l

RT: 3.80 min Scan# 331

Delta R.T. 0.01 min

Lab File: VF062635.D

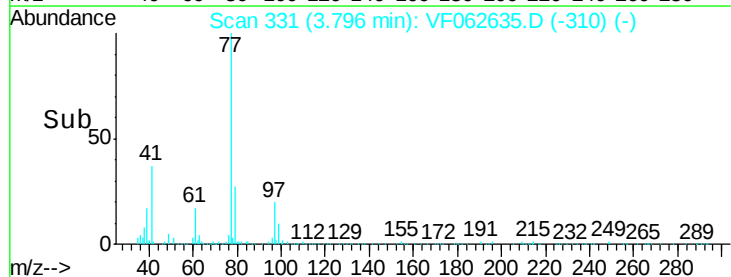
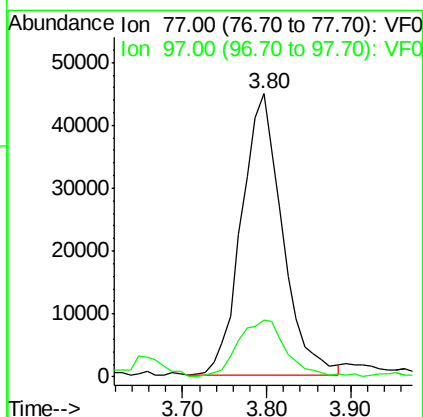
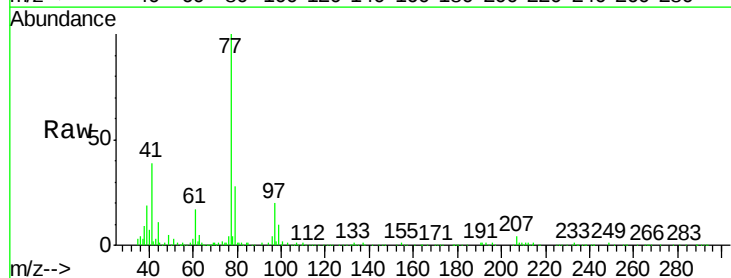
Acq: 17 May 2019 13:13

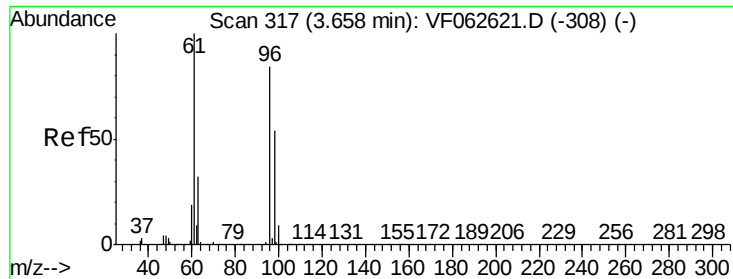
Tgt Ion: 77 Resp: 152869

Ion Ratio Lower Upper

77 100

97 19.9 14.1 42.4





#27

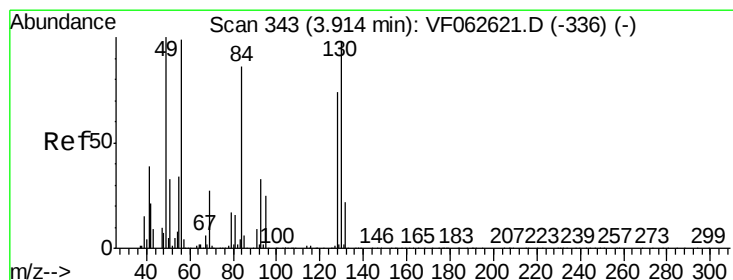
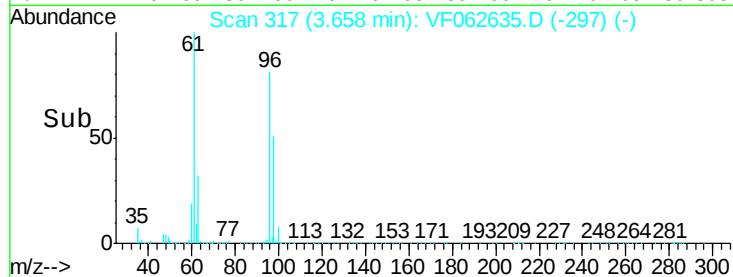
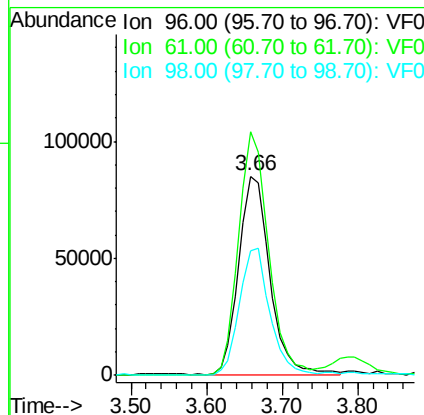
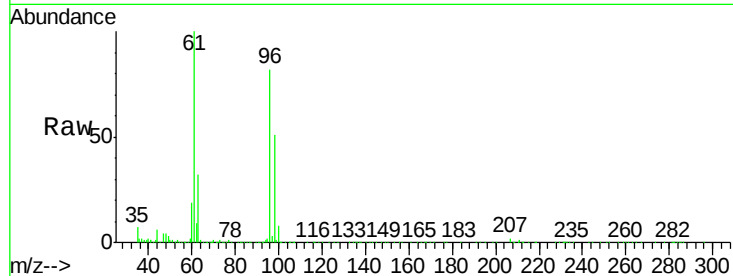
cis-1,2-Dichloroethene  
Concen: 21.301 ug/l  
RT: 3.66 min Scan# 317  
Delta R.T. 0.00 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0517SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 244428 |       |       |
| 61      | 122.2 | 0.0    | 237.4 |       |
| 98      | 62.4  | 0.0    | 129.0 |       |

Manual Integrations  
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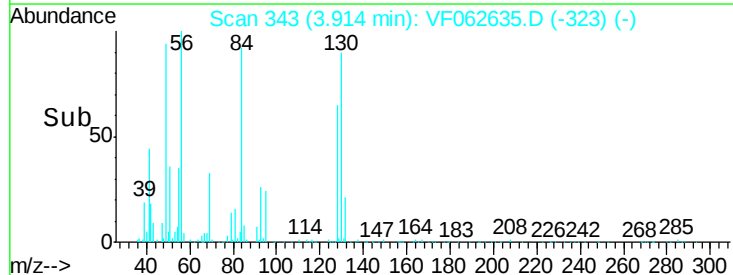
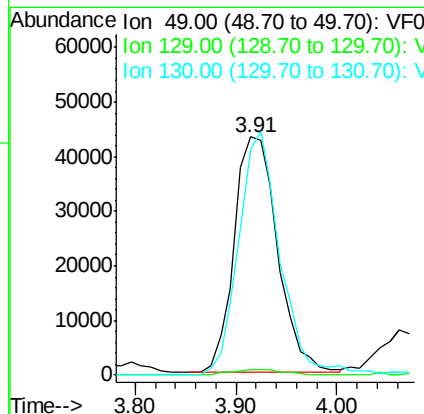
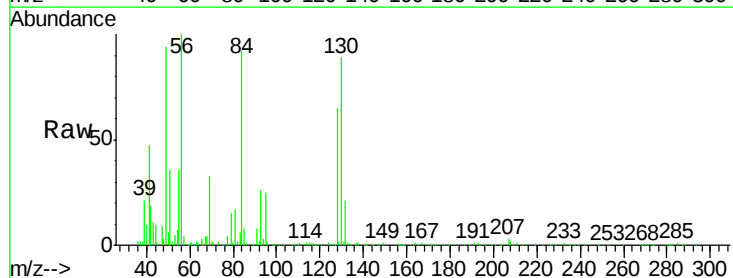
MMDadoda  
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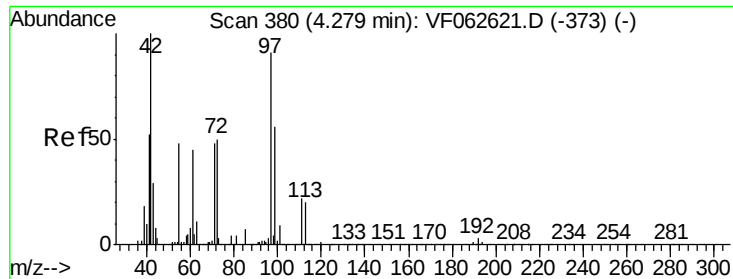


#28

Bromochloromethane  
Concen: 19.668 ug/l  
RT: 3.91 min Scan# 343  
Delta R.T. 0.00 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 128922 |       |       |
| 129     | 2.6   | 0.0    | 4.0   |       |
| 130     | 94.9  | 77.8   | 116.8 |       |





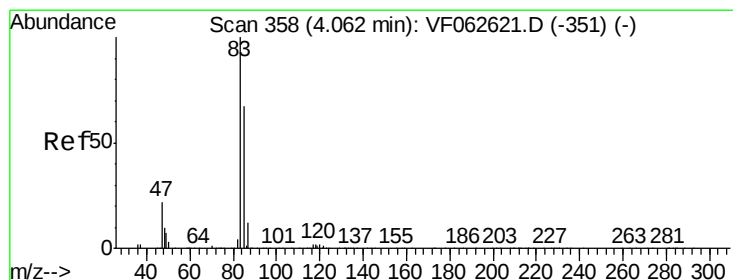
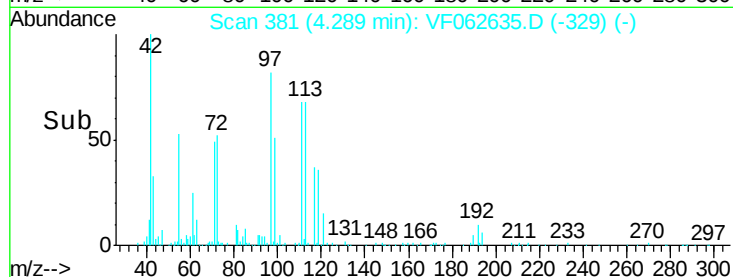
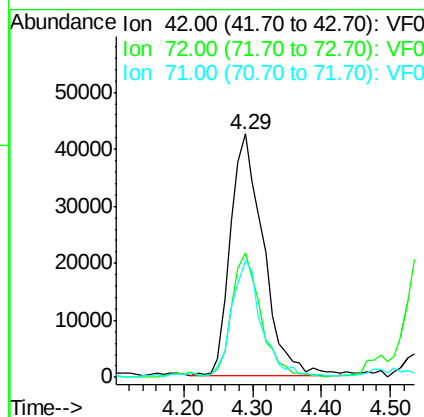
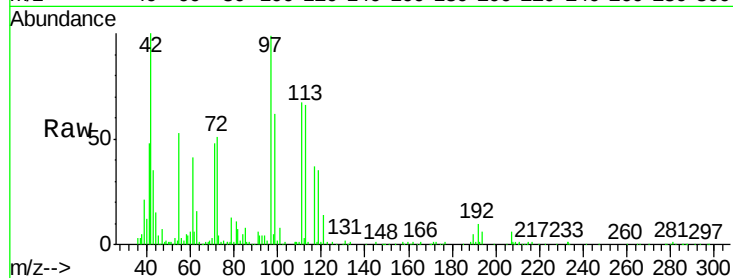
#29  
Tetrahydrofuran  
Concen: 111.120 ug/l  
RT: 4.29 min Scan# 381  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0517SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 42      | 100   | 139928 |       |       |
| 72      | 46.5  |        | 38.2  | 57.2  |
| 71      | 43.2  |        | 35.8  | 53.6  |

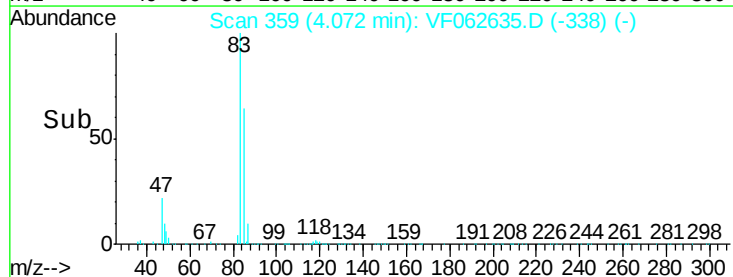
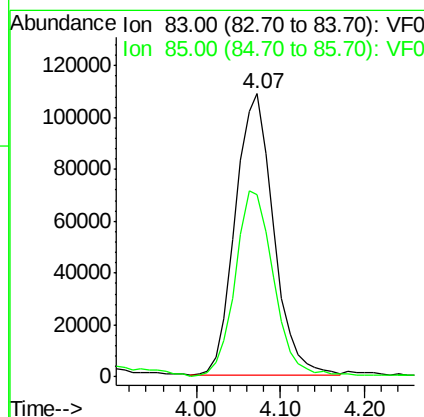
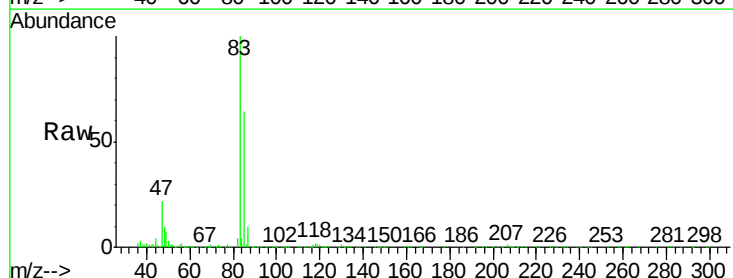
Manual Integrations  
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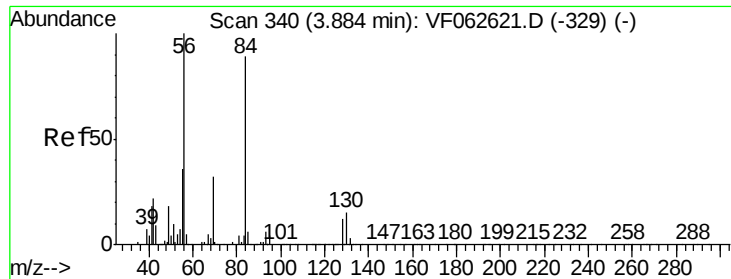
MMDadoda  
5/20/2019 2:52:05 PM



#30  
Chloroform  
Concen: 21.060 ug/l  
RT: 4.07 min Scan# 359  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 341730 |       |       |
| 85      | 64.2  |        | 53.6  | 80.4  |





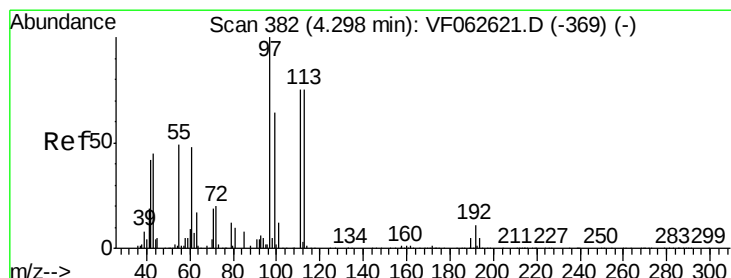
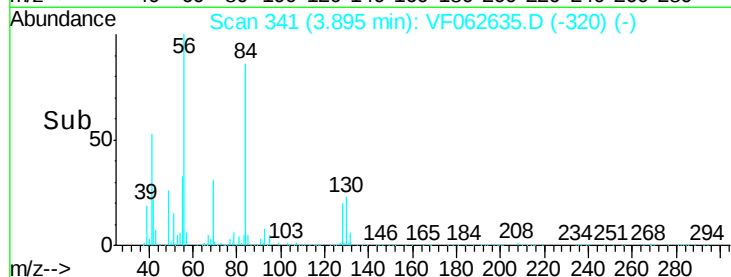
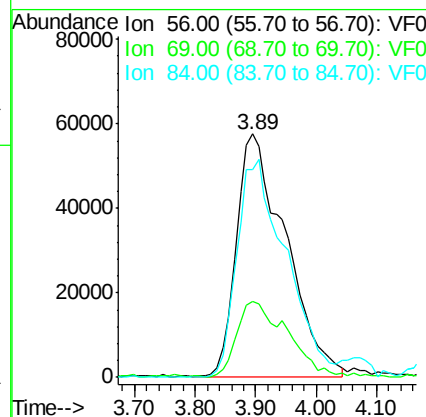
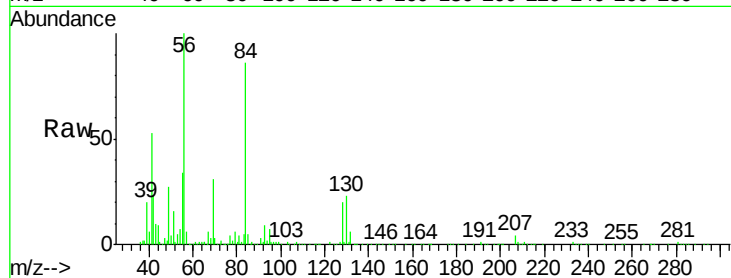
#31  
Cvclohexane  
Concen: 20.724 ug/l  
RT: 3.89 min Scan# 341  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0517SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 31.1  | 25.3  | 37.9  |
| 84      | 85.6  | 71.0  | 106.4 |

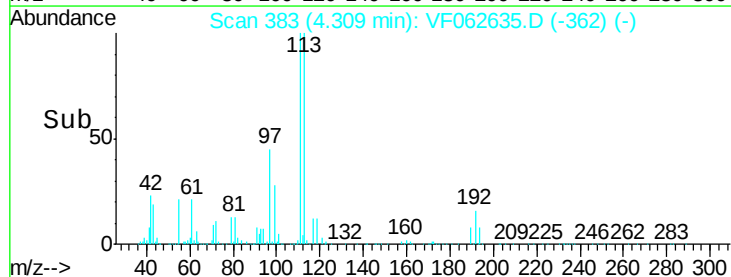
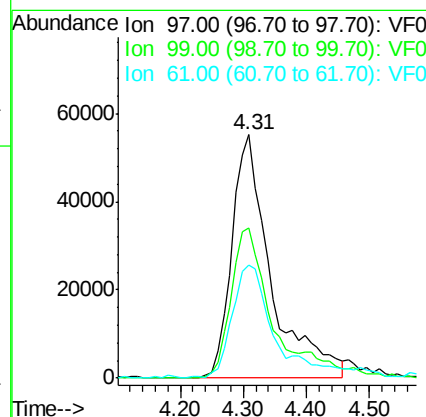
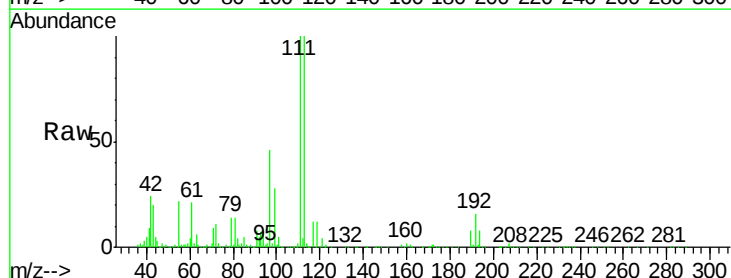
Manual Integrations  
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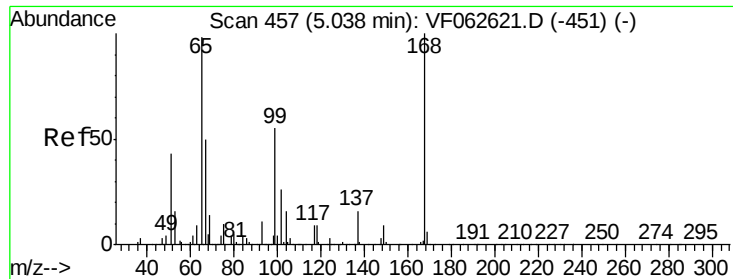
MMDadoda  
5/20/2019 2:52:05 PM



#32  
1,1,1-Trichloroethane  
Concen: 22.052 ug/l  
RT: 4.31 min Scan# 383  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 61.5  | 51.3  | 76.9  |
| 61      | 46.4  | 38.2  | 57.2  |





#33

1,2-Dichloroethane-d4

Concen: 48.515 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

ClientSampleId :

VF0517SBS01

Tot Ion: 65 Resp: 272376

Ion Ratio Lower Upper

65 100

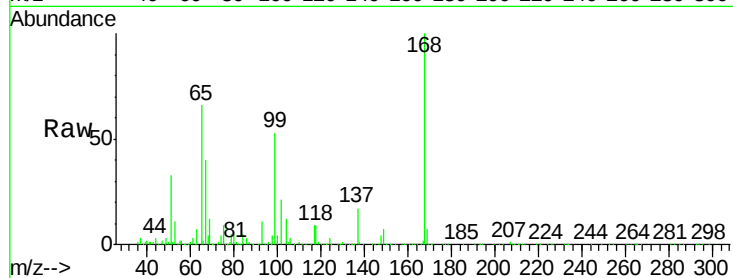
67 60.9 0.0 117.6

Manual Integrations

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.05

100000

80000

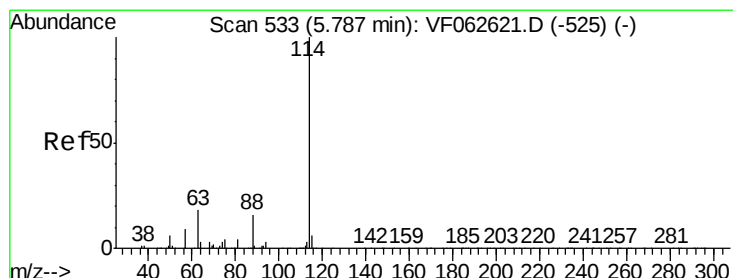
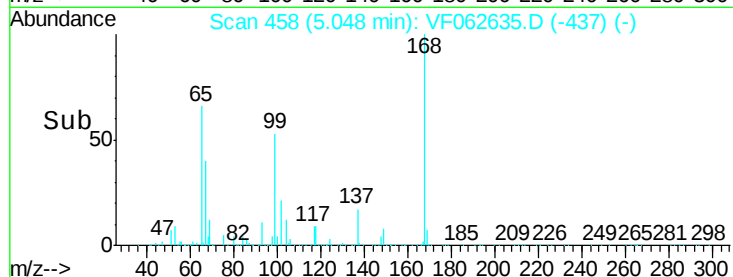
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

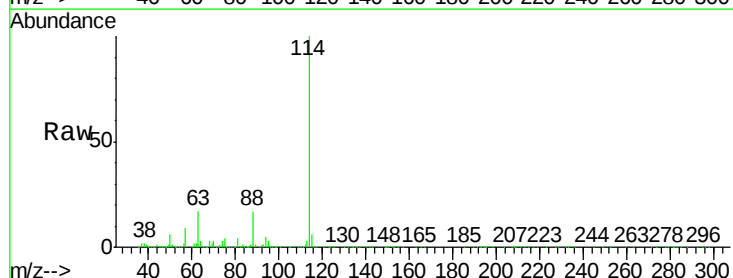
Tgt Ion:114 Resp: 1309217

Ion Ratio Lower Upper

114 100

63 16.7 0.0 35.4

88 17.2 0.0 32.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

600000

500000

400000

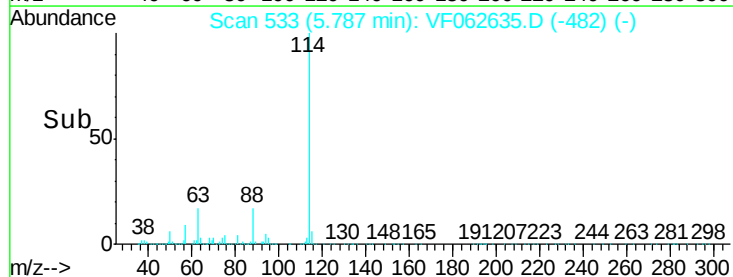
300000

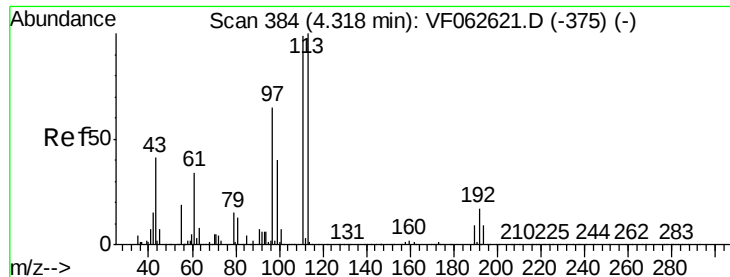
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 45.424 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.01 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

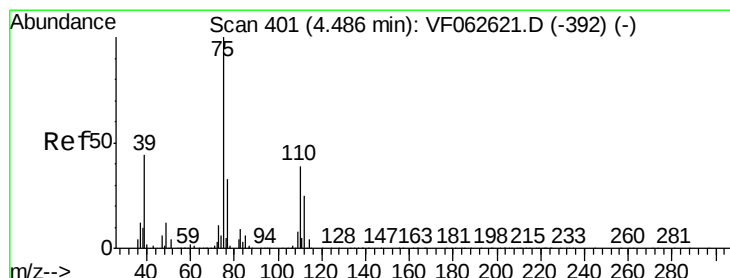
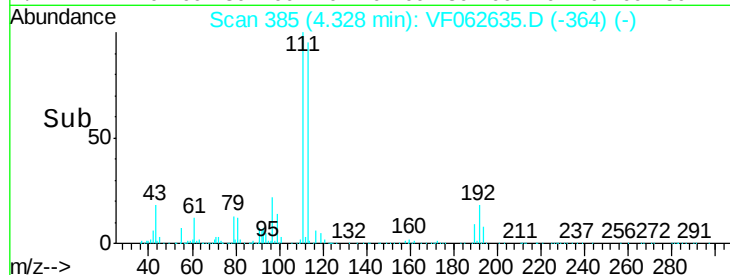
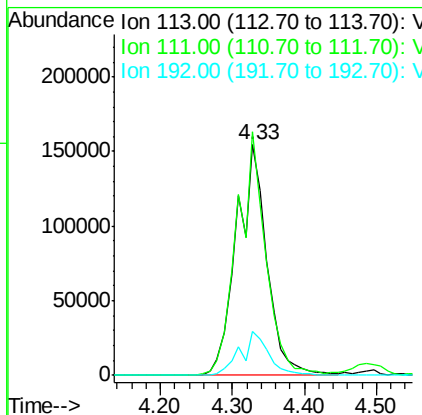
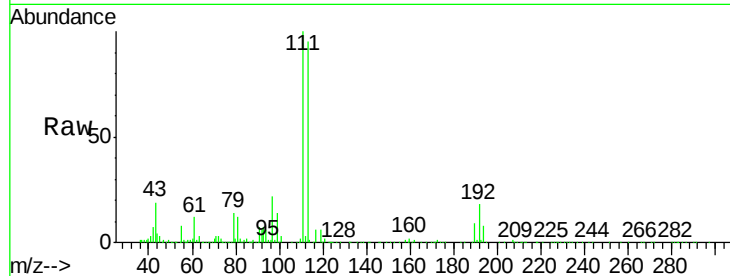
ClientSampleId :

VF0517SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 455064 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 105.6 | 79.4  | 119.2  |
| 192       | 19.2  | 13.4  | 20.2   |

Manual Integrations  
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#36

1,1-Dichloropropene

Concen: 22.639 ug/l

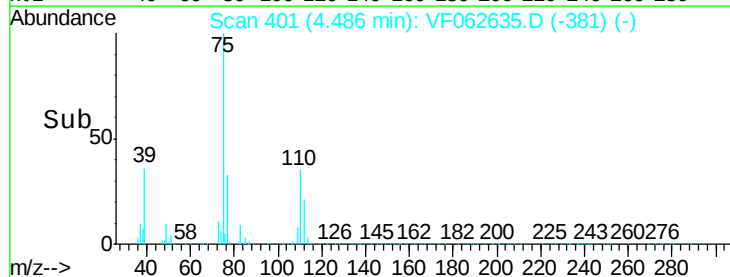
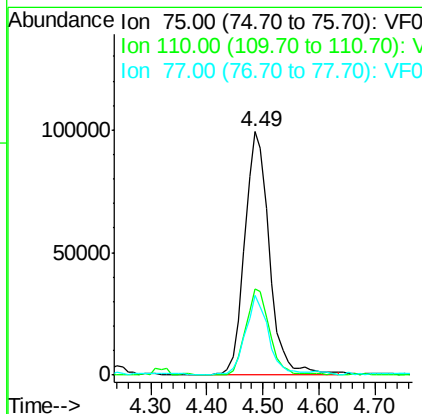
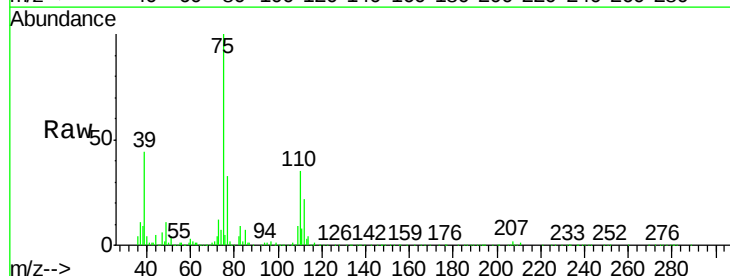
RT: 4.49 min Scan# 401

Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 303714 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 35.4  | 19.7  | 59.1   |
| 77        | 33.0  | 26.3  | 39.5   |





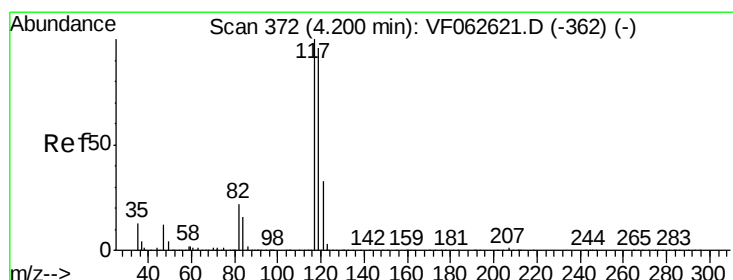
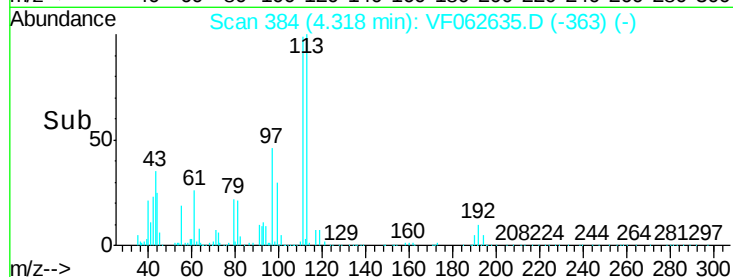
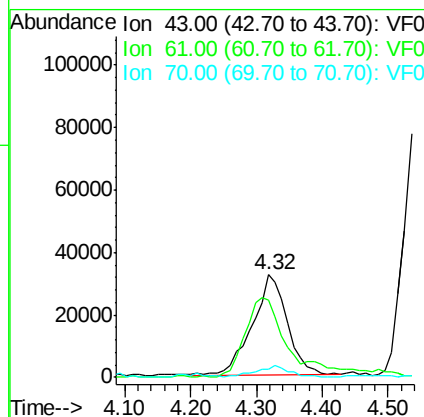
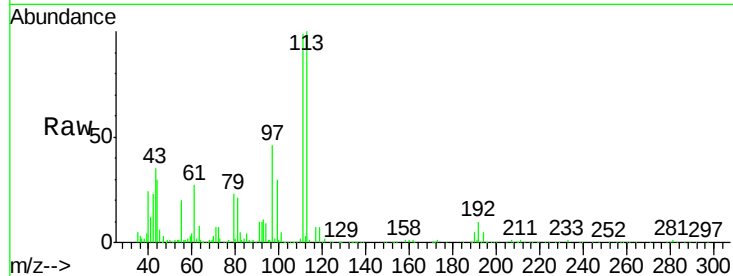
#37  
Ethyl Acetate  
Concen: 21.720 ug/l  
RT: 4.32 min Scan# 384  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0517SBS01

| Tot Ion | 43   | Ratio | Lower  | Upper |
|---------|------|-------|--------|-------|
| 118974  | 100  |       |        |       |
| 61      | 75.6 | 76.9  | 115.3# |       |
| 70      | 7.9  | 8.8   | 13.2#  |       |

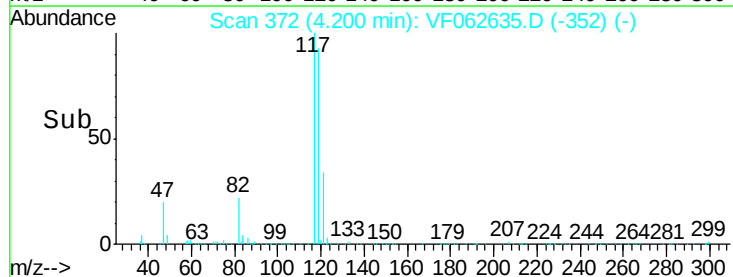
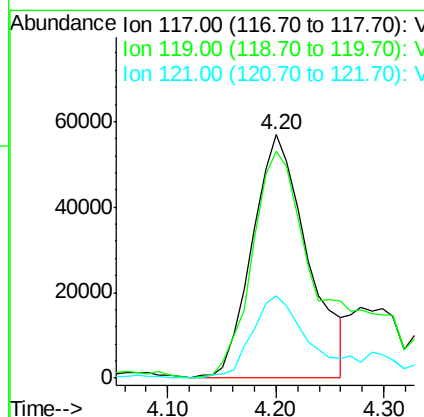
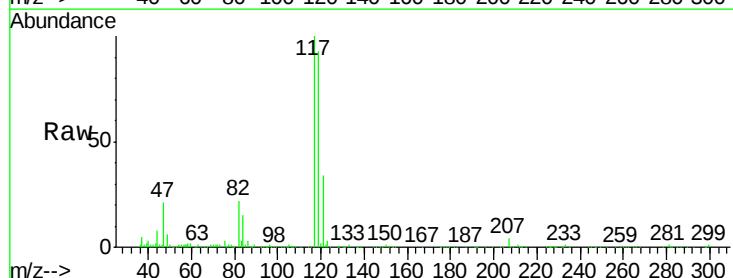
Manual Integrations  
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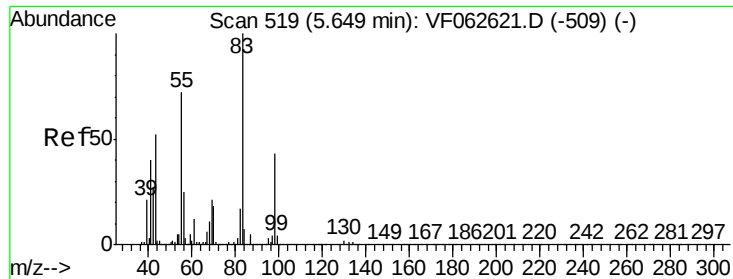
MMDadoda  
5/20/2019 2:52:05 PM



#38  
Carbon Tetrachloride  
Concen: 19.889 ug/l  
RT: 4.20 min Scan# 372  
Delta R.T. 0.00 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

| Tgt Ion | 117  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 200673  | 100  |       |       |       |
| 119     | 93.4 | 76.7  | 115.1 |       |
| 121     | 34.0 | 26.6  | 40.0  |       |





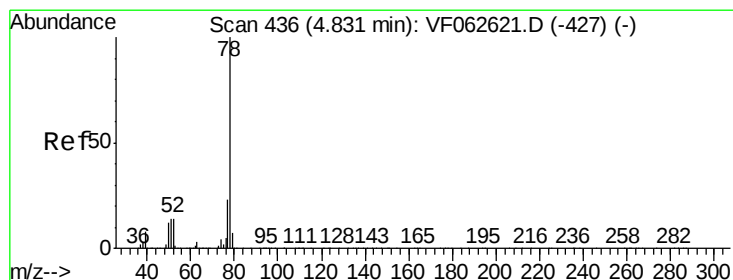
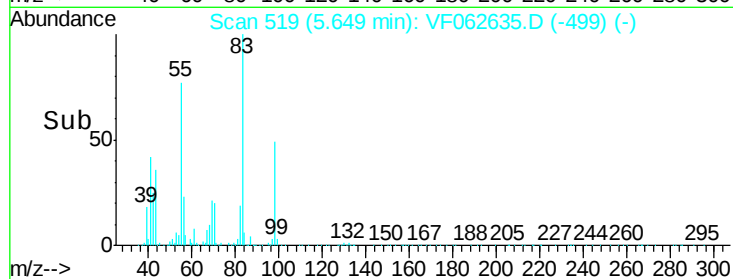
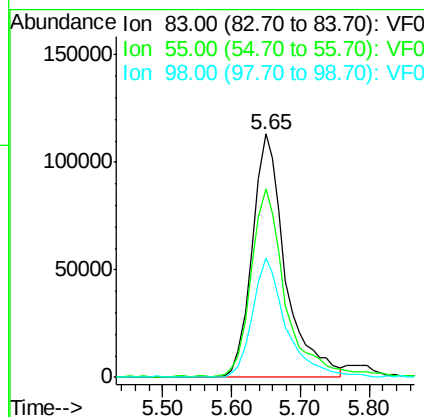
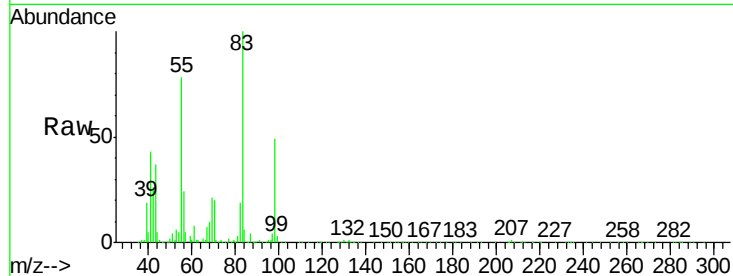
#39  
Methvlcvclohexane  
Concen: 23.541 ug/l  
RT: 5.65 min Scan# 519  
Delta R.T. 0.00 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0517SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 77.6  | 57.9  | 86.9  |
| 98      | 49.1  | 34.6  | 52.0  |

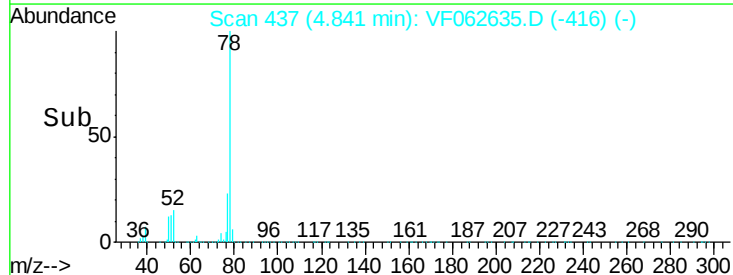
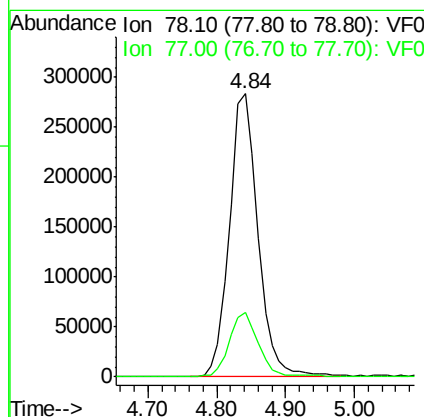
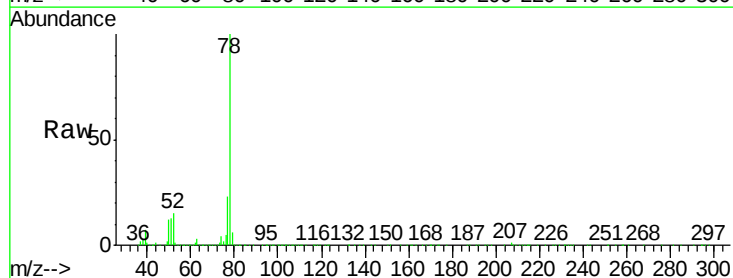
Manual Integrations  
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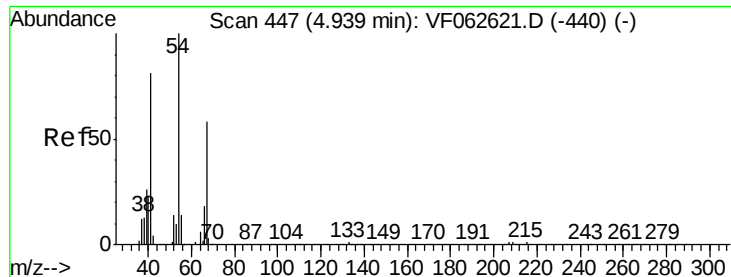
MMDadoda  
5/20/2019 2:52:05 PM



#40  
Benzene  
Concen: 22.250 ug/l  
RT: 4.84 min Scan# 437  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 22.7  | 18.2  | 27.2  |





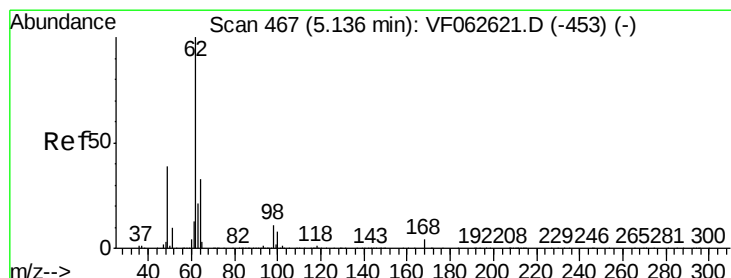
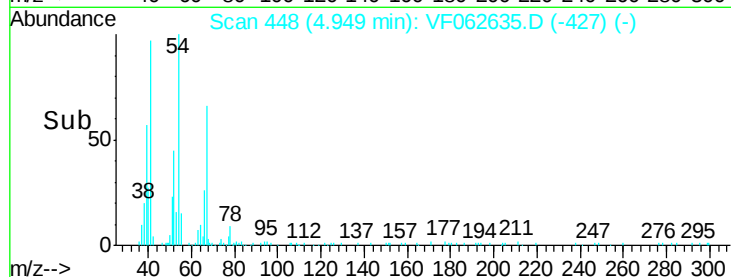
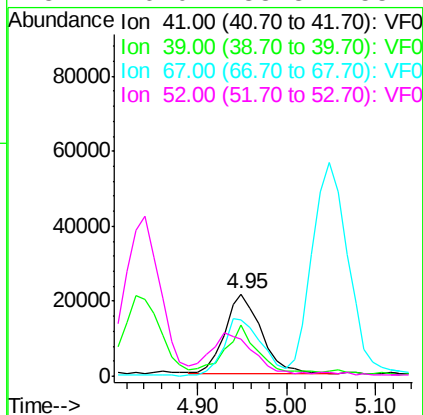
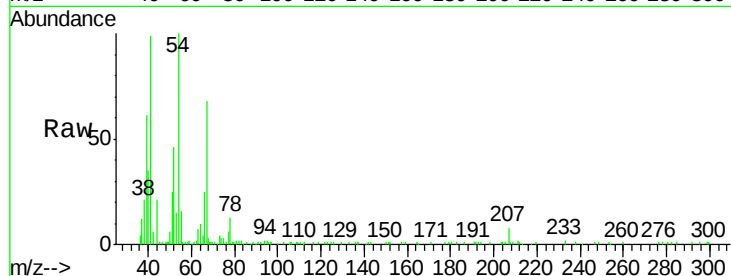
#41  
Methacrylonitrile  
Concen: 21.094 ug/l  
RT: 4.95 min Scan# 448  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0517SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 61.8  | 42.2  | 63.2  |
| 67      | 68.5  | 56.4  | 84.6  |
| 52      | 46.0  | 38.8  | 58.2  |

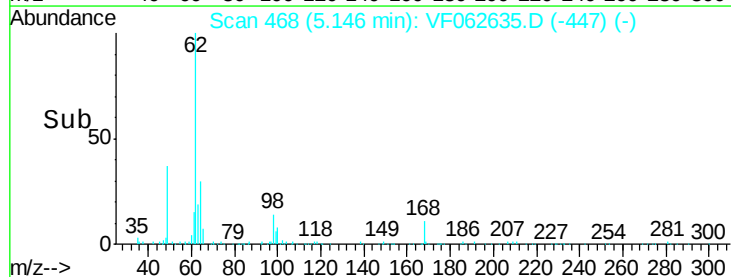
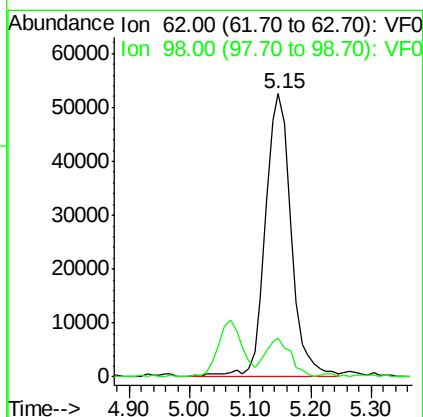
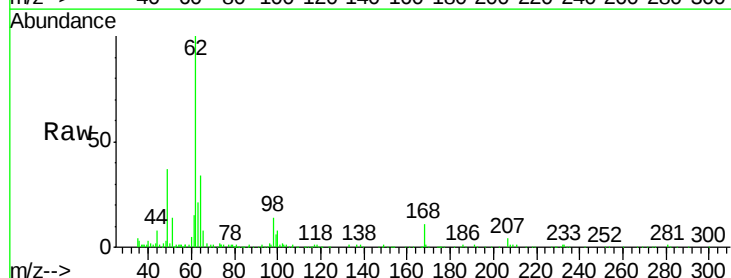
Manual Integrations  
APPROVED

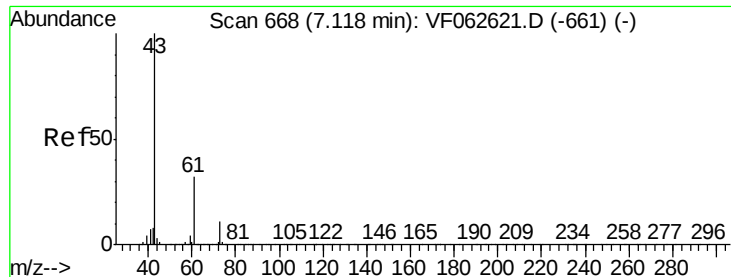
MMDadoda  
5/20/2019 2:52:05 PM



#42  
1,2-Dichloroethane  
Concen: 21.489 ug/l  
RT: 5.15 min Scan# 468  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 14.0  | 0.0   | 21.6  |





#43

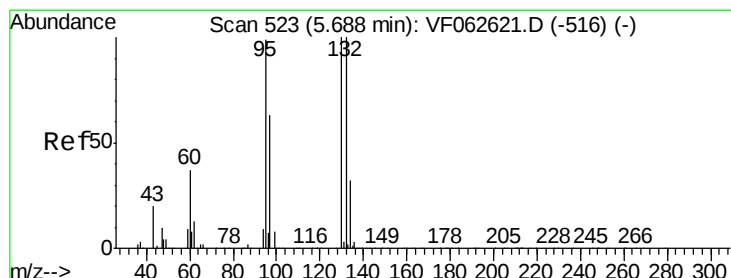
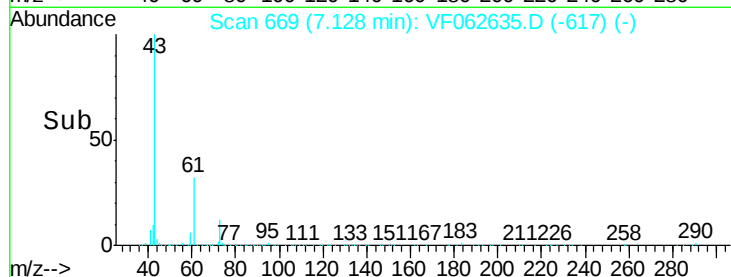
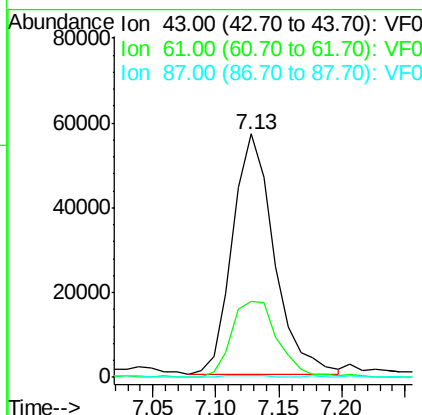
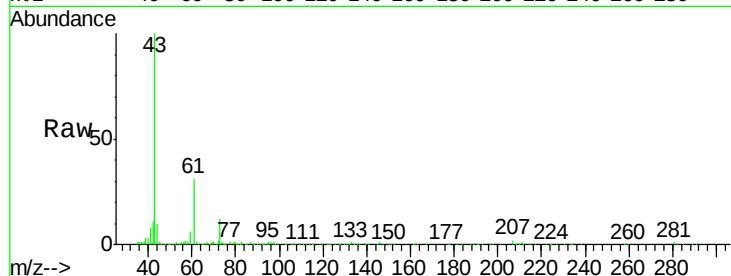
Isopropyl Acetate  
 Concen: 18.179 ug/l  
 RT: 7.13 min Scan# 669  
 Delta R.T. 0.01 min  
 Lab File: VF062635.D  
 Acq: 17 May 2019 13:13

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0517SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 31.0  | 25.8  | 38.8  |
| 87      | 0.8   | 0.4   | 0.6   |

Manual Integrations  
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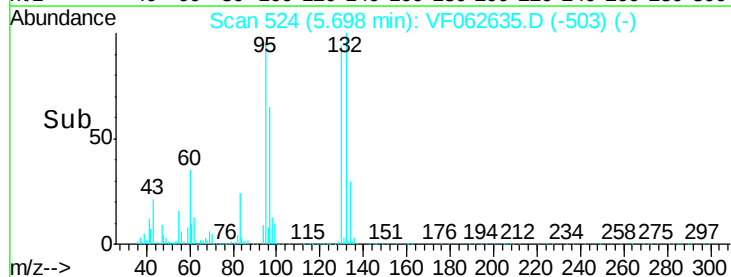
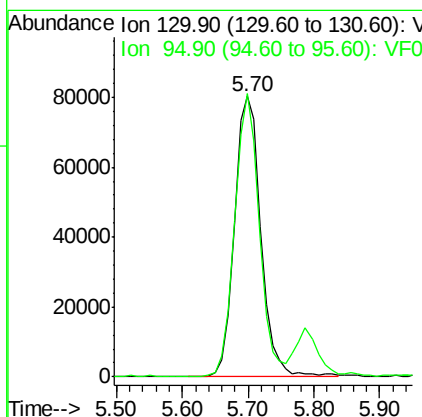
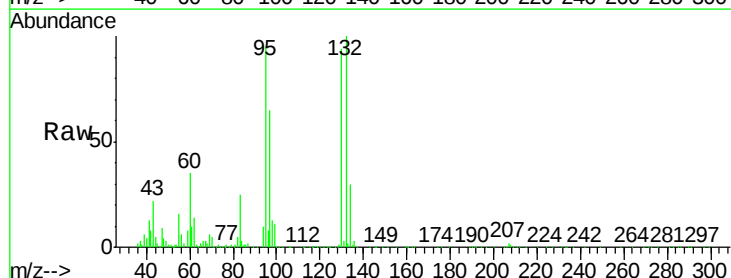
MMDadoda  
 5/20/2019 2:52:05 PM

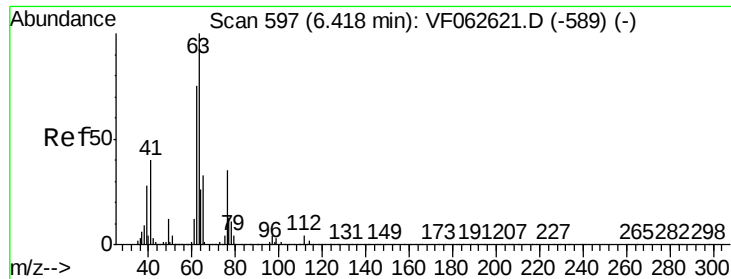


#44

Trichloroethene  
 Concen: 22.005 ug/l  
 RT: 5.70 min Scan# 524  
 Delta R.T. 0.01 min  
 Lab File: VF062635.D  
 Acq: 17 May 2019 13:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 100.8 | 0.0   | 199.4 |





#45

1,2-Dichloropropane

Concen: 21.062 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

ClientSampleId :

VF0517SBS01

Tot Ion: 63 Resp: 194312

Ion Ratio Lower Upper

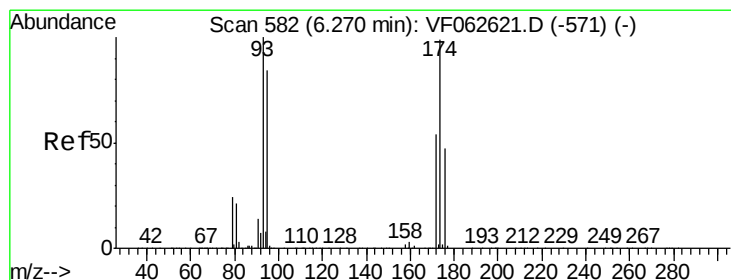
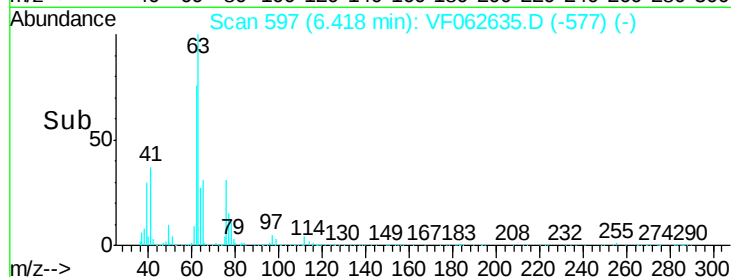
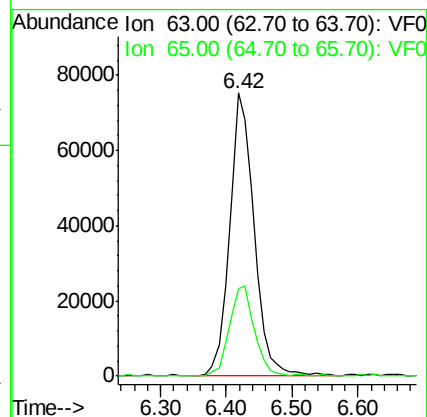
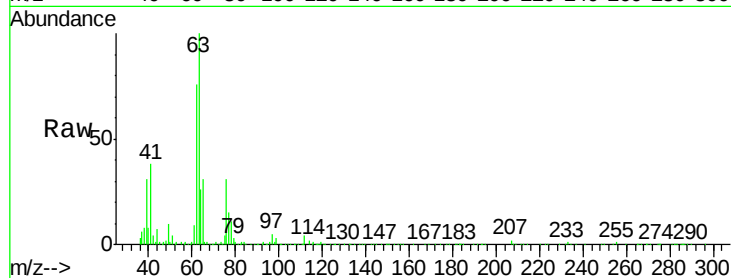
63 100

65 31.0 26.3 39.5

Manual Integrations  
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#46

Dibromomethane

Concen: 22.417 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

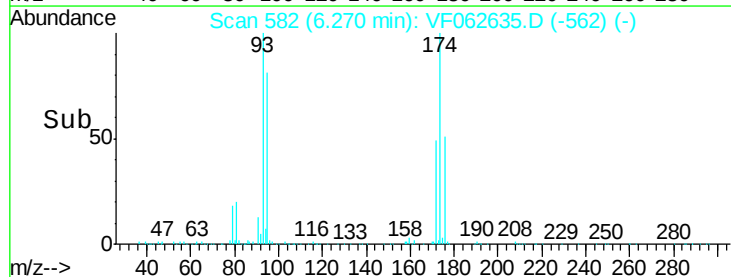
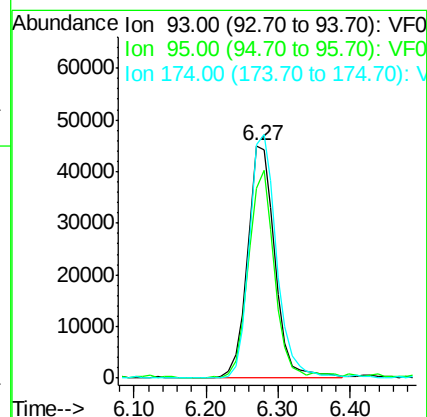
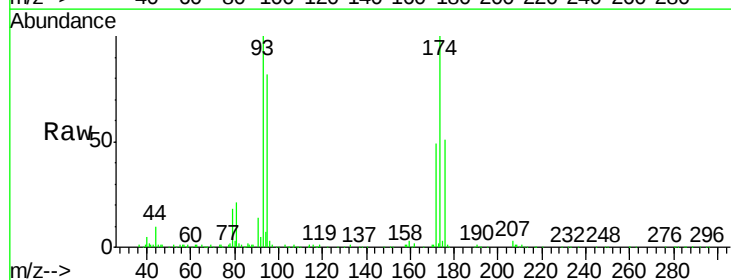
Tgt Ion: 93 Resp: 119526

Ion Ratio Lower Upper

93 100

95 81.7 67.4 101.2

174 100.2 79.4 119.2





#47

Bromodichloromethane

Concen: 21.184 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

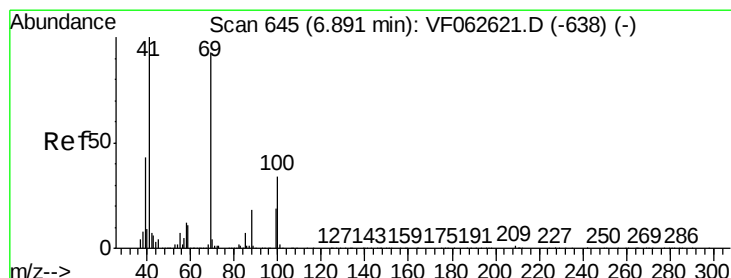
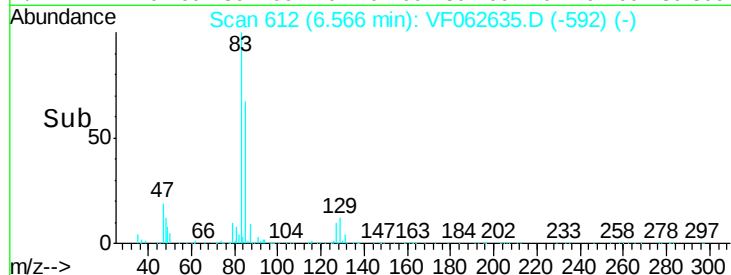
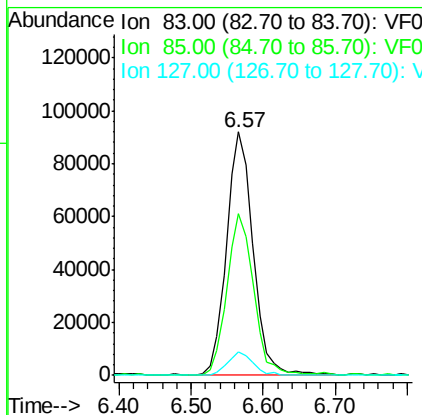
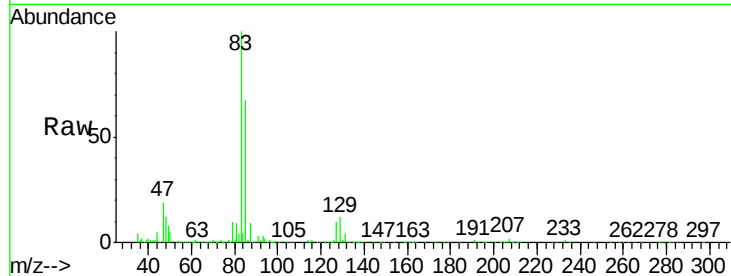
ClientSampleId :

VF0517SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 234480 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 66.6  | 52.0  | 78.0   |
| 127       | 9.6   | 7.7   | 11.5   |

Manual Integrations  
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#48

Methyl methacrylate

Concen: 21.925 ug/l

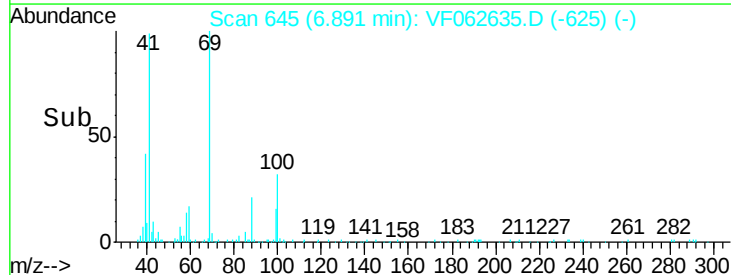
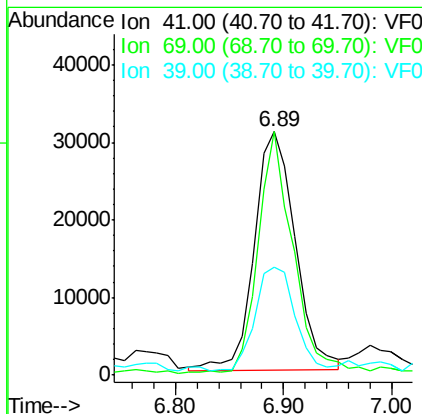
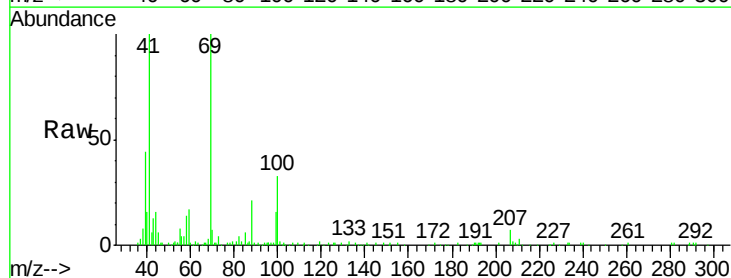
RT: 6.89 min Scan# 645

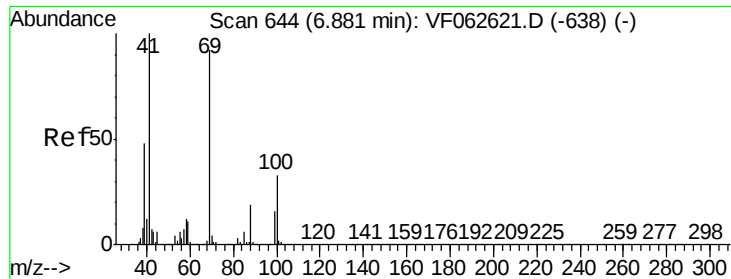
Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 81324 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 99.8  | 74.2  | 111.2 |
| 39        | 44.1  | 34.2  | 51.4  |





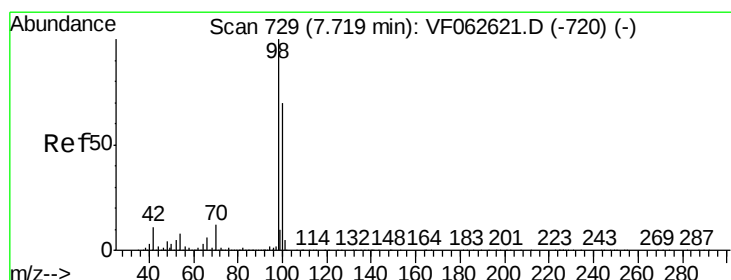
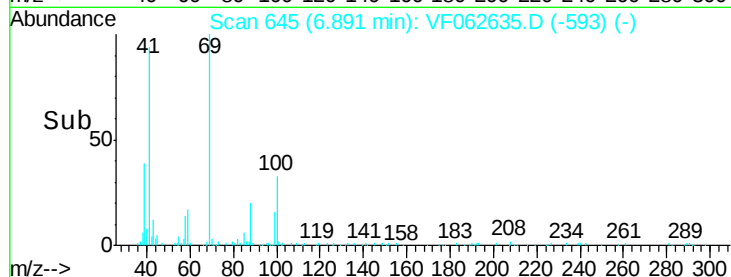
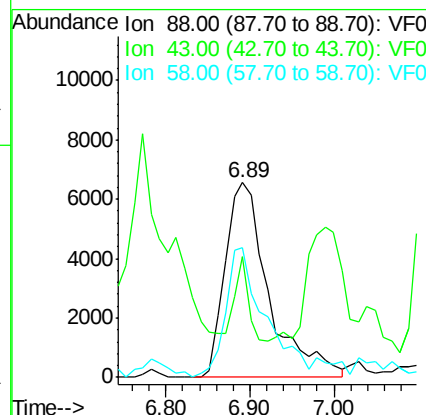
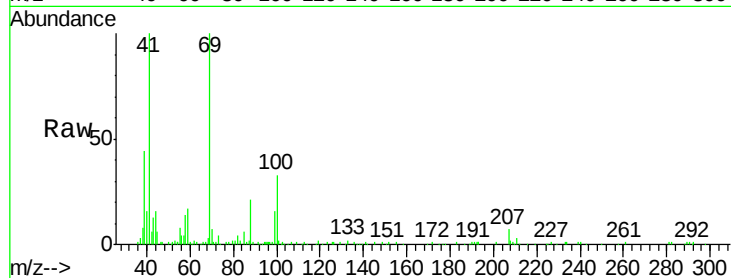
#49  
1,4-Dioxane  
Concen: 498.269 ug/l  
RT: 6.89 min Scan# 645  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0517SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 62.3  | 30.0  | 45.0# |
| 58      | 66.7  | 51.1  | 76.7  |

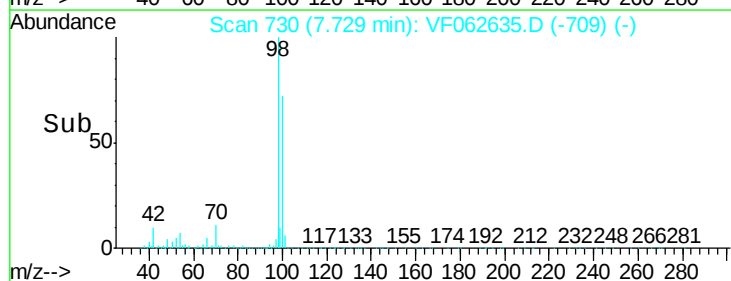
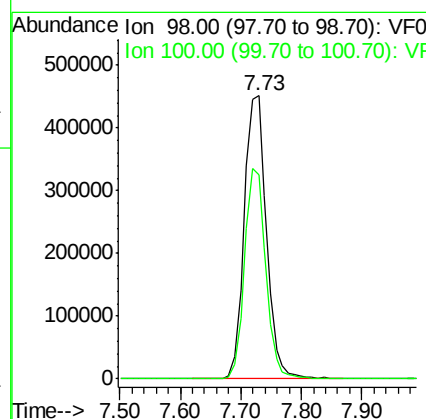
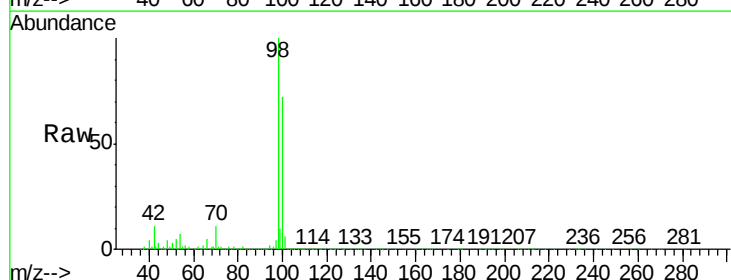
Manual Integrations  
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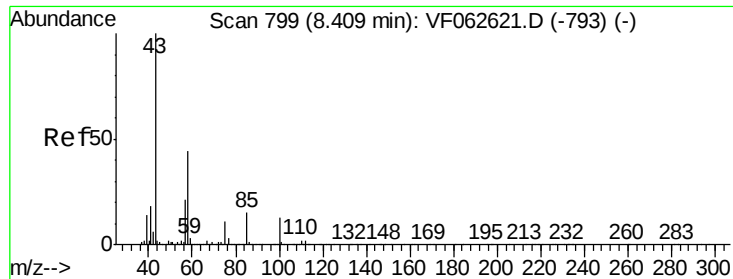
MMDadoda  
5/20/2019 2:52:05 PM



#50  
Toluene-d8  
Concen: 48.241 ug/l  
RT: 7.73 min Scan# 730  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 72.0  | 56.2  | 84.2  |





#51

4-Methyl-2-Pentanone

Concen: 110.482 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

ClientSampleId :

VF0517SBS01

Tot Ion: 43 Resp: 535910

Ion Ratio Lower Upper

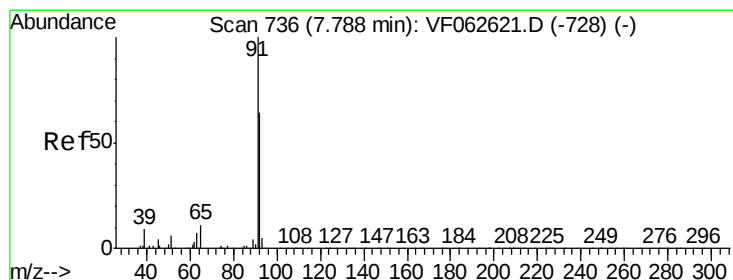
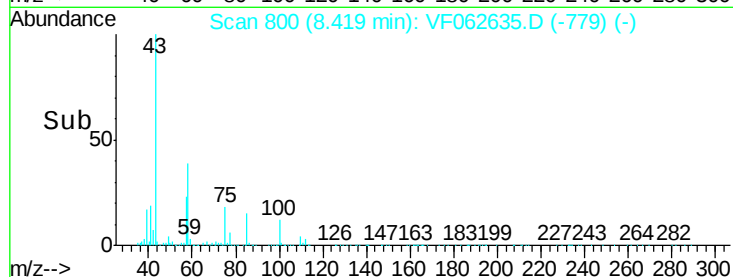
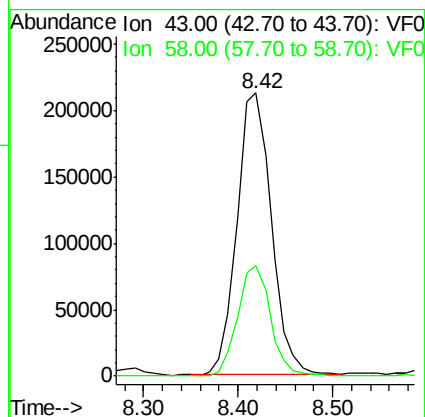
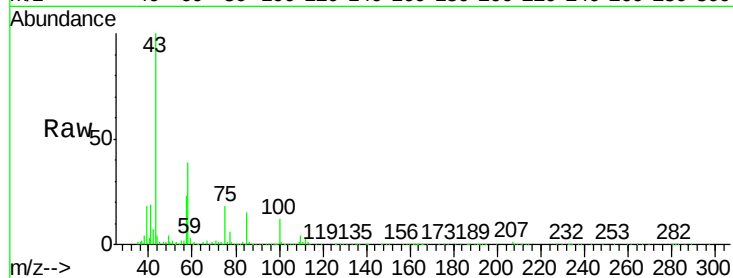
43 100

58 38.9 34.9 52.3

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#52

Toluene

Concen: 22.755 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062635.D

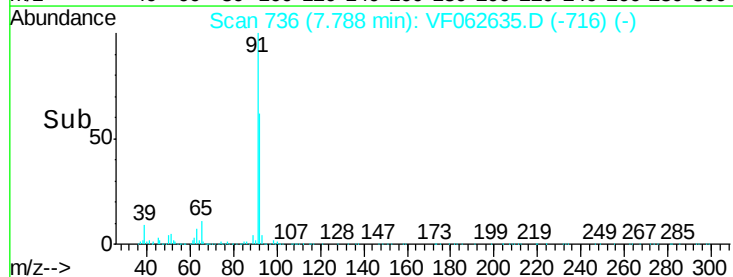
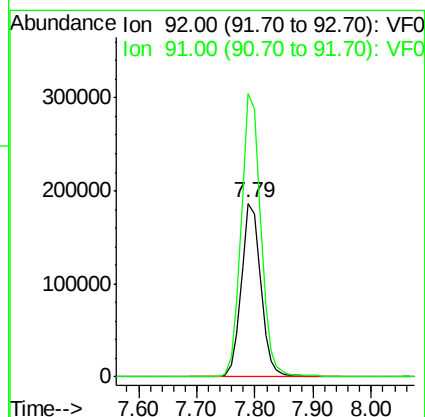
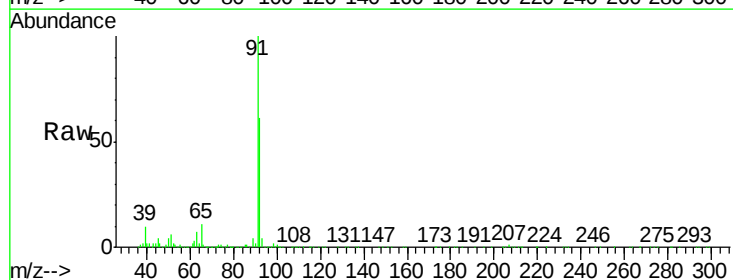
Acq: 17 May 2019 13:13

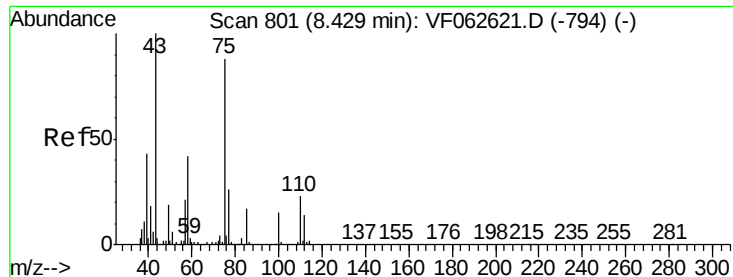
Tgt Ion: 92 Resp: 436150

Ion Ratio Lower Upper

92 100

91 162.8 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 21.395 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

ClientSampleId :

VF0517SBS01

Tot Ion: 75 Resp: 193752

Ion Ratio Lower Upper

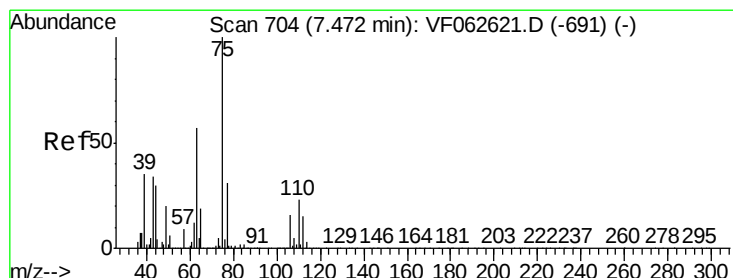
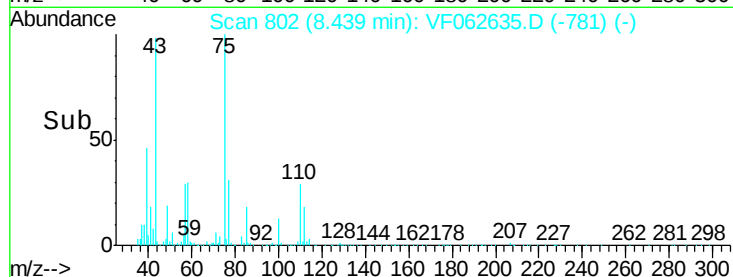
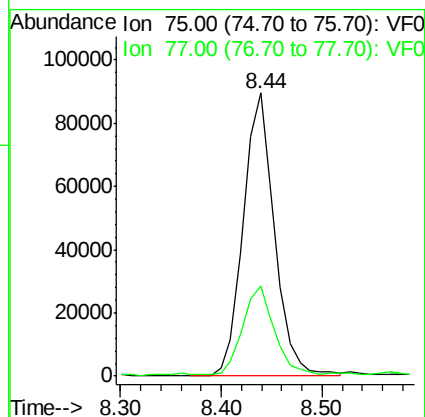
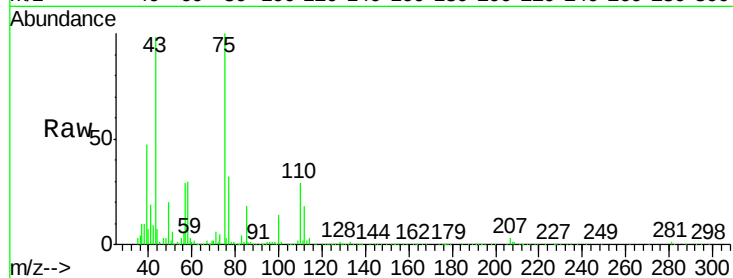
75 100

77 31.8 24.2 36.4

Manual Integrations  
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#54

cis-1,3-Dichloropropene

Concen: 22.424 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

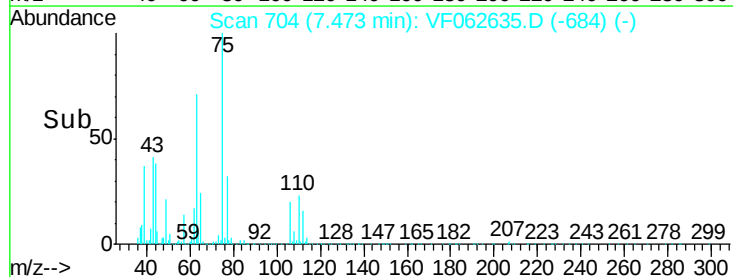
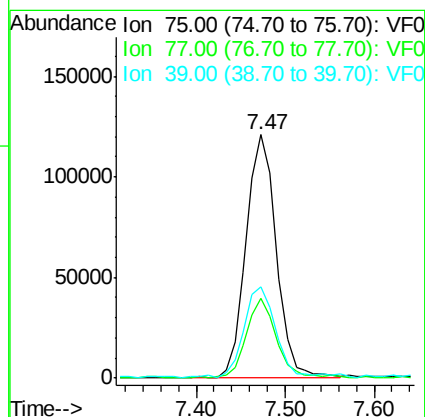
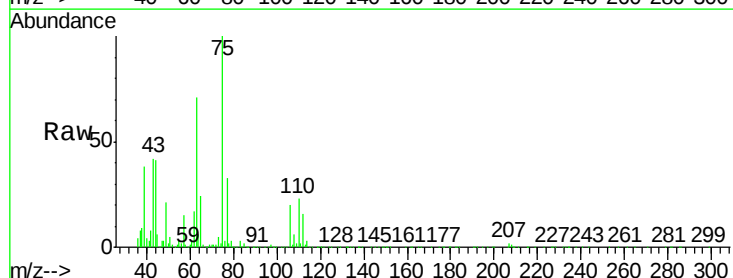
Tgt Ion: 75 Resp: 284253

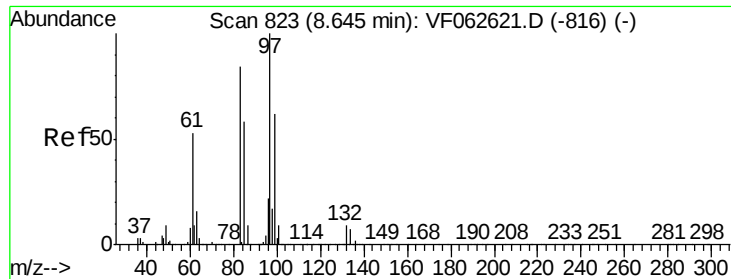
Ion Ratio Lower Upper

75 100

77 32.6 25.3 37.9

39 37.5 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 21.907 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

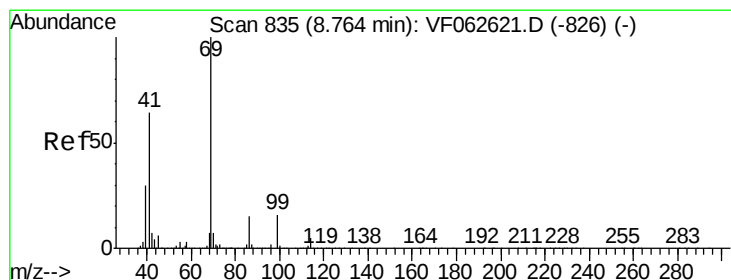
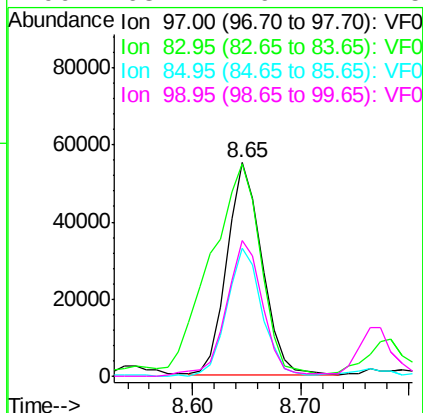
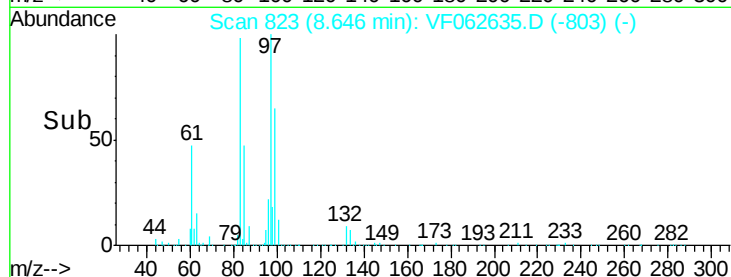
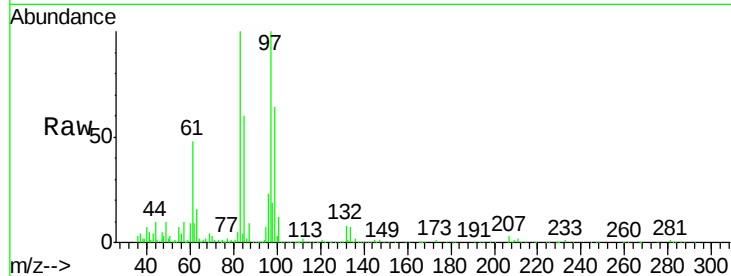
ClientSampleId :

VF0517SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 124322 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 99.7  | 67.3  | 100.9  |
| 85       | 59.8  | 46.6  | 69.8   |
| 99       | 63.7  | 49.7  | 74.5   |

Manual Integrations  
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#56

Ethyl methacrylate

Concen: 34.875 ug/l

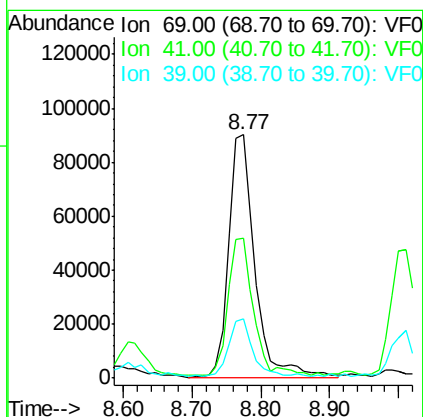
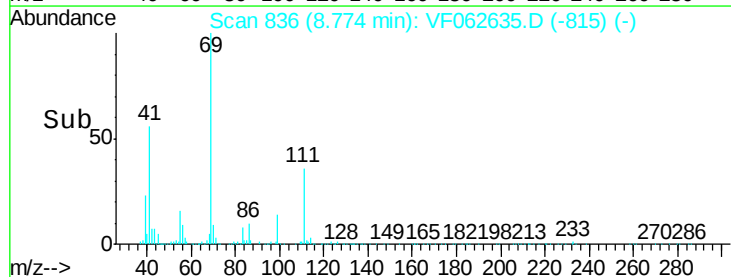
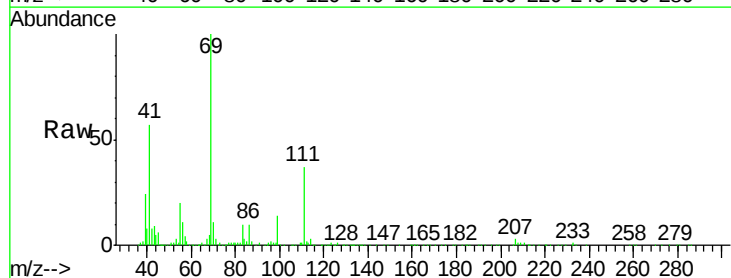
RT: 8.77 min Scan# 836

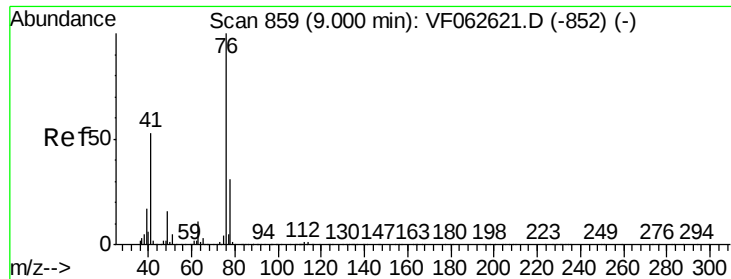
Delta R.T. 0.01 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 235797 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 57.4  | 51.4  | 77.2   |
| 39       | 24.4  | 23.6  | 35.4   |





#57

1,3-Dichloropropane

Concen: 21.266 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

ClientSampleId :

VF0517SBS01

Tot Ion: 76 Resp: 205564

Ion Ratio Lower Upper

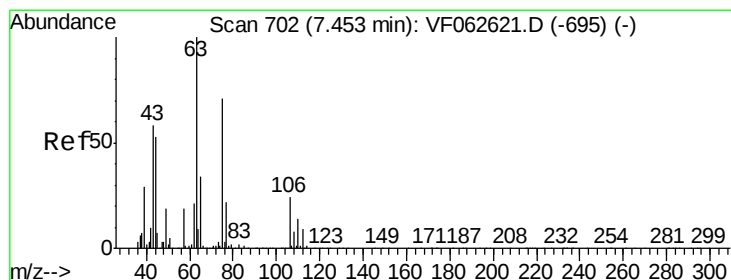
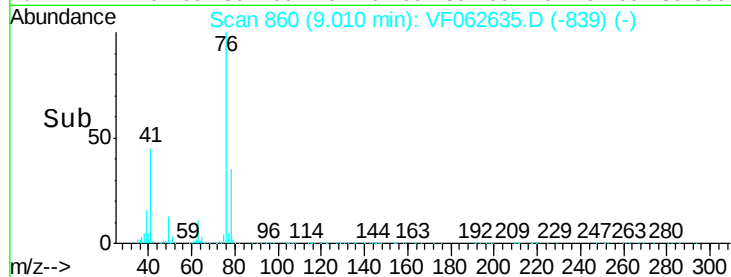
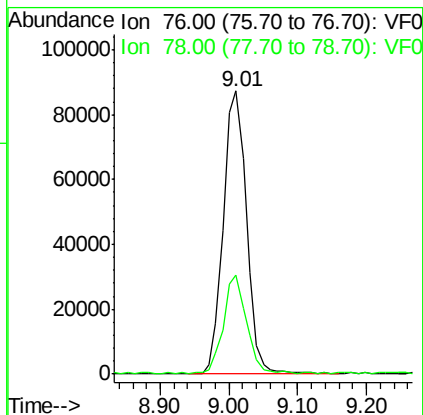
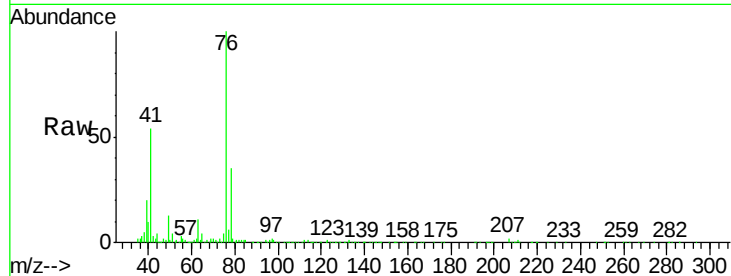
76 100

78 35.0 25.4 38.0

Manual Integrations  
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5/20/2019 2:52:05 PM



#58

2-Chloroethyl Vinyl ether

Concen: 112.125 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062635.D

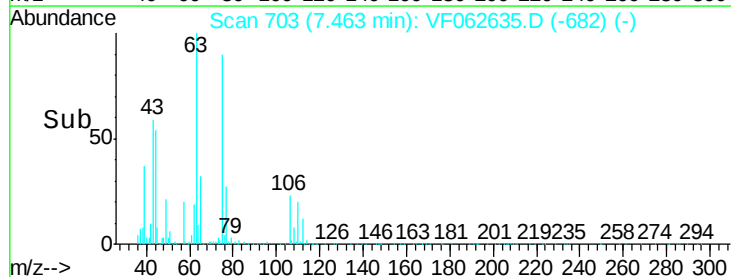
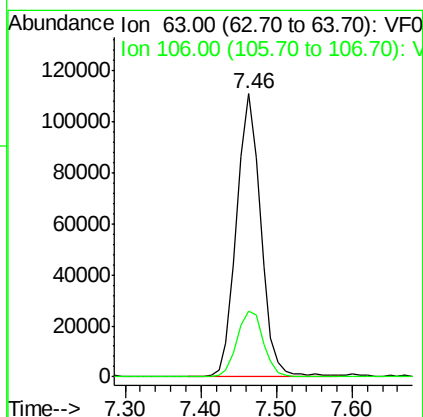
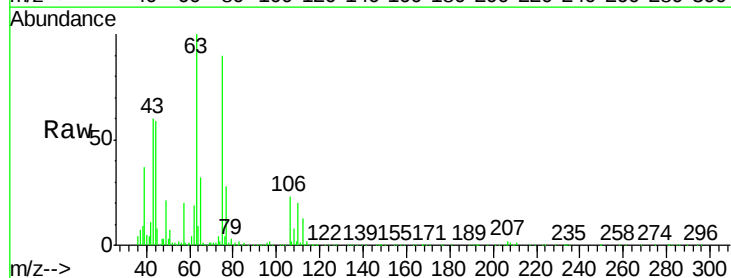
Acq: 17 May 2019 13:13

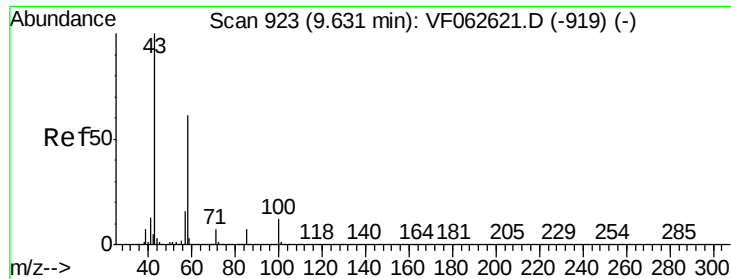
Tgt Ion: 63 Resp: 246761

Ion Ratio Lower Upper

63 100

106 23.4 19.1 28.7





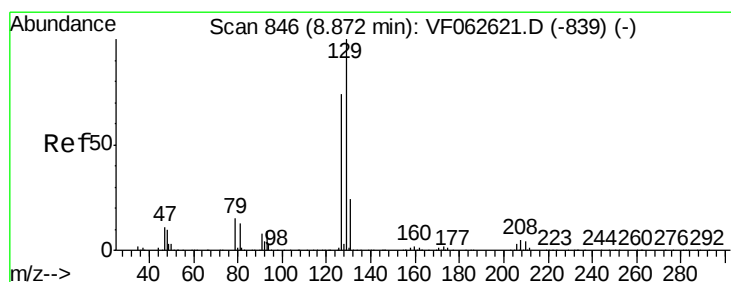
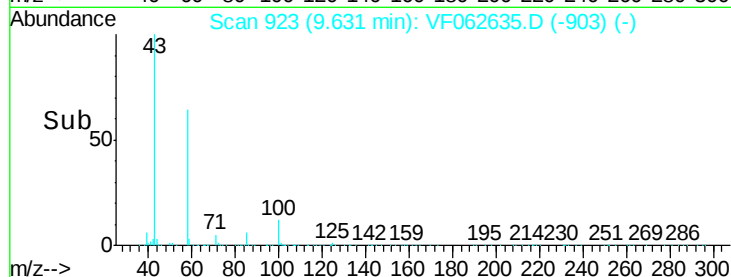
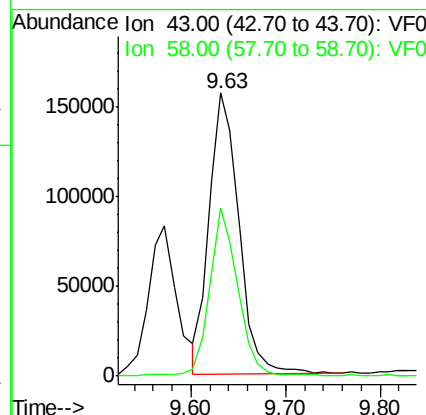
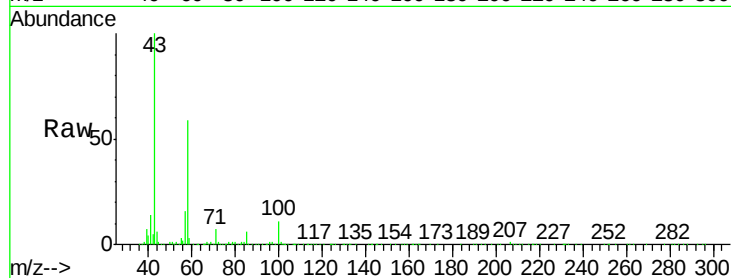
#59  
2-Hexanone  
Concen: 97.585 ug/l  
RT: 9.63 min Scan# 923  
Delta R.T. 0.00 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0517SBS01

Tot Ion: 43 Resp: 342263  
Ion Ratio Lower Upper  
43 100  
58 59.5 28.1 84.4

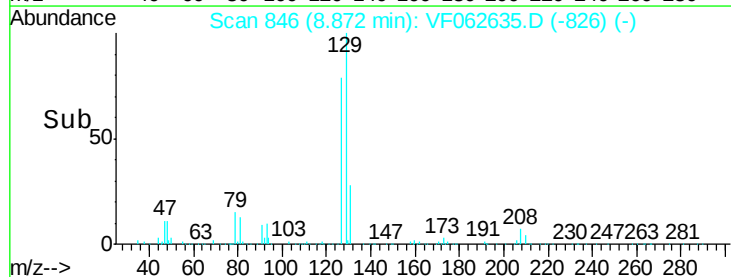
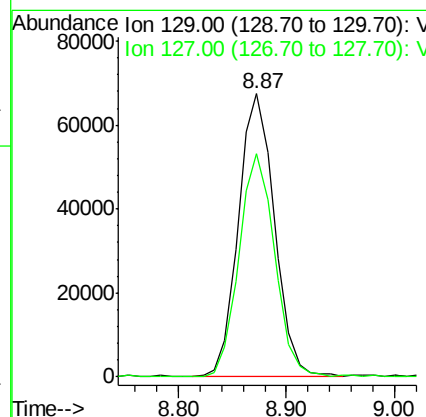
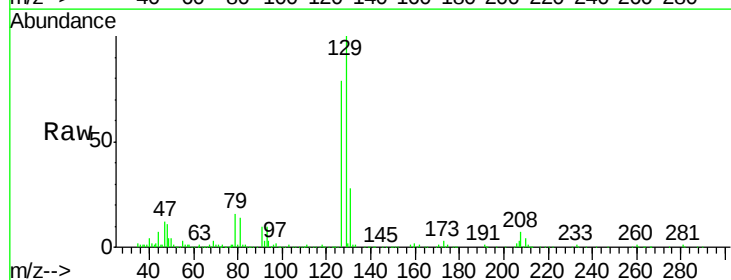
Manual Integrations  
APPROVED

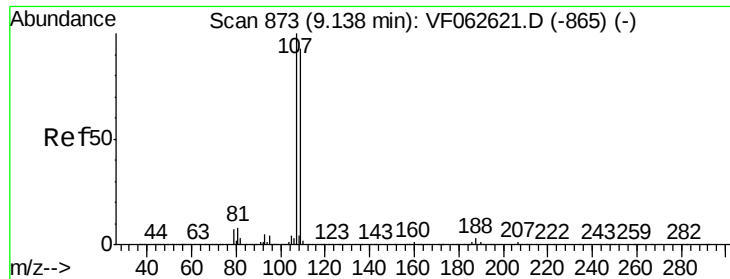
MMDadoda  
5/20/2019 2:52:05 PM



#60  
Dibromochloromethane  
Concen: 21.148 ug/l  
RT: 8.87 min Scan# 846  
Delta R.T. 0.00 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

Tgt Ion:129 Resp: 156423  
Ion Ratio Lower Upper  
129 100  
127 79.0 37.2 111.6





#61

1,2-Dibromoethane

Concen: 23.217 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

ClientSampleId :

VF0517SBS01

Tot Ion:107 Resp: 139949

Ion Ratio Lower Upper

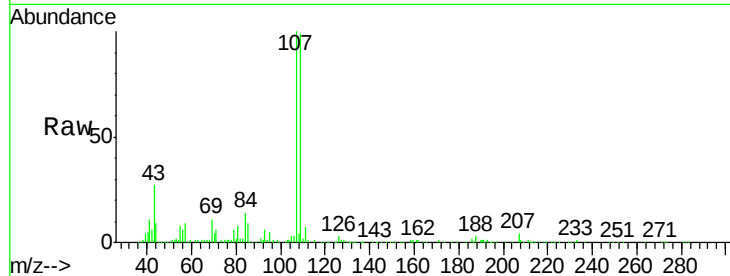
107 100

109 99.2 74.8 112.2

Manual Integrations  
APPROVED

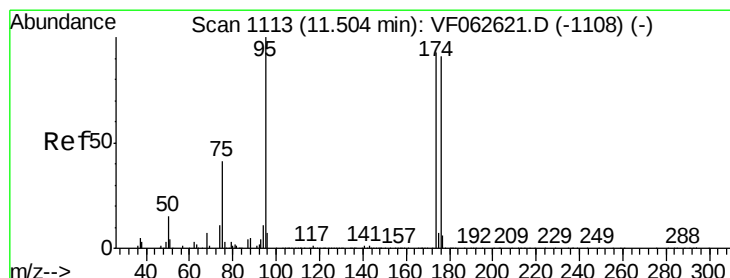
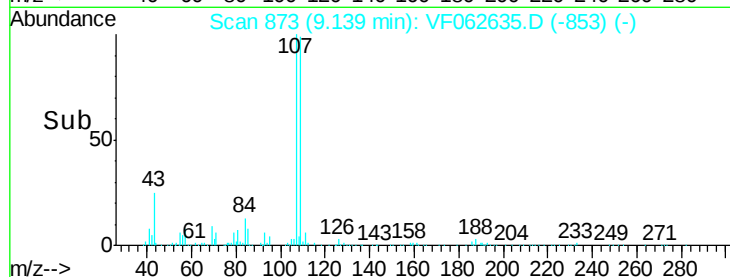
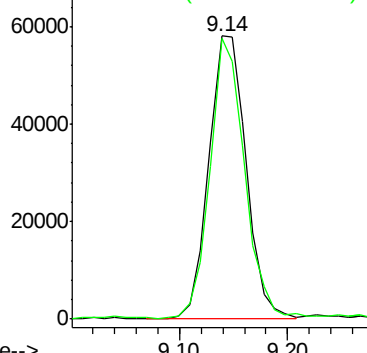
MMDadoda

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.838 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

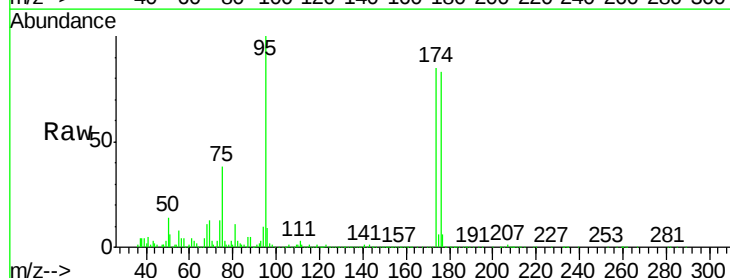
Tgt Ion: 95 Resp: 424915

Ion Ratio Lower Upper

95 100

174 84.8 0.0 185.6

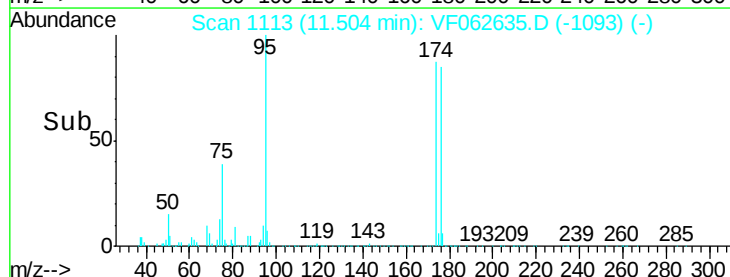
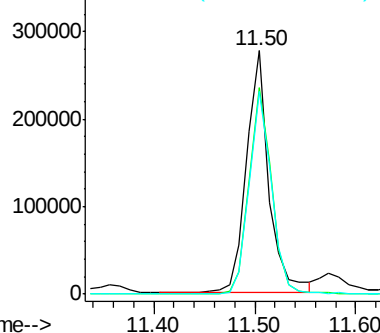
176 83.1 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





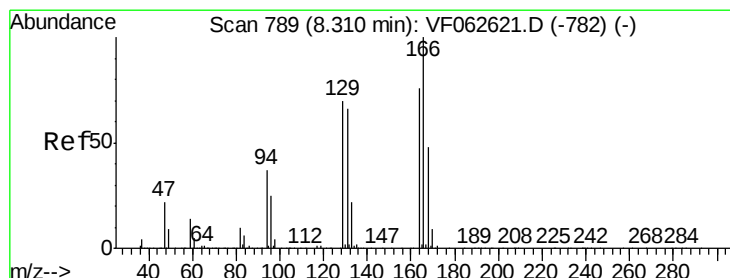
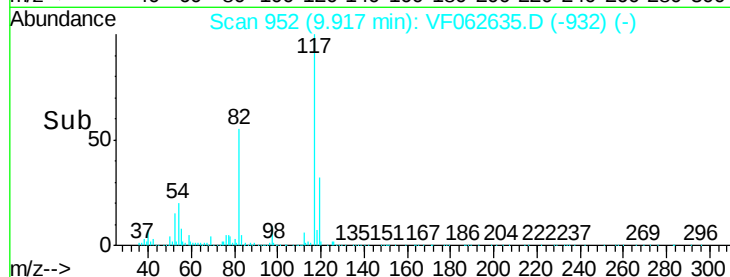
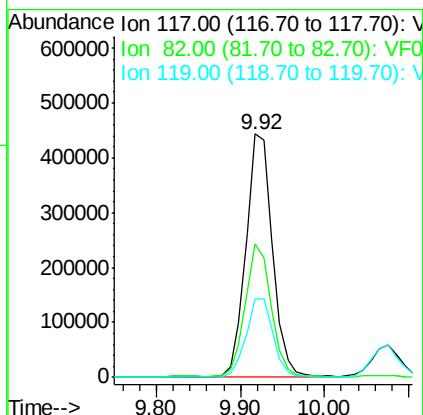
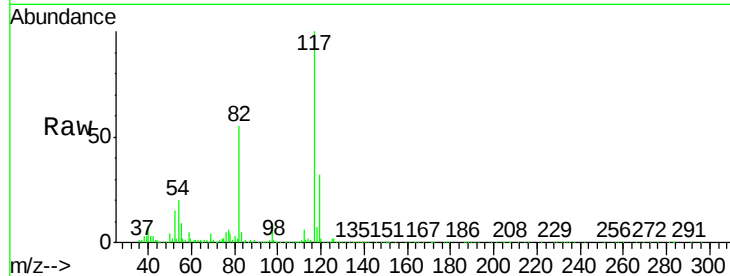
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.92 min Scan# 952  
Delta R.T. 0.00 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0517SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 987494 |       |       |
| 82      | 55.1  | 43.3   | 64.9  |       |
| 119     | 32.4  | 27.4   | 41.0  |       |

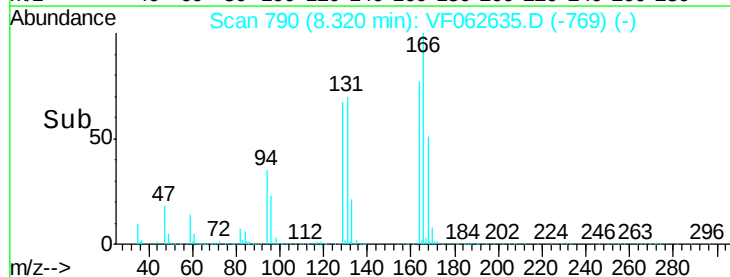
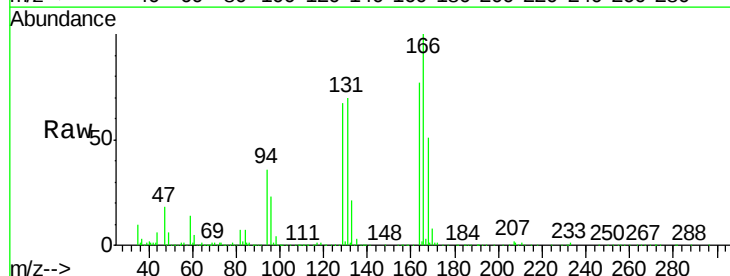
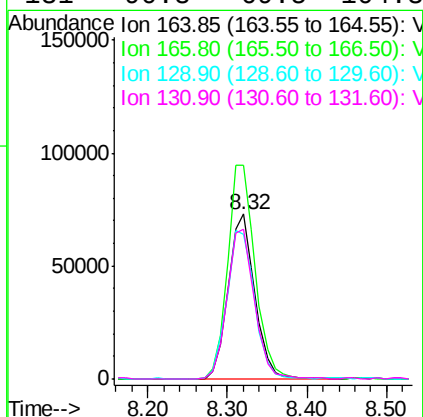
Manual Integrations  
APPROVED

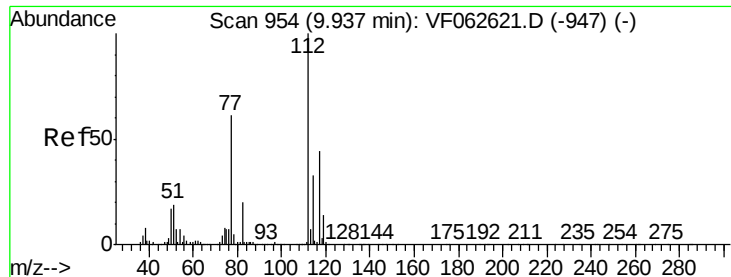
MMDadoda  
5/20/2019 2:52:05 PM



#64  
Tetrachloroethene  
Concen: 21.887 ug/l  
RT: 8.32 min Scan# 790  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 171225 |       |       |
| 166     | 129.7 | 105.5  | 158.3 |       |
| 129     | 87.6  | 73.8   | 110.6 |       |
| 131     | 90.8  | 69.5   | 104.3 |       |





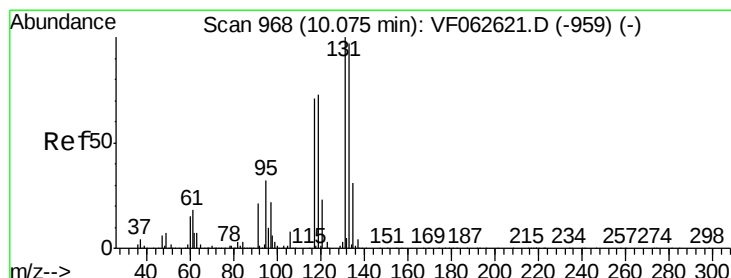
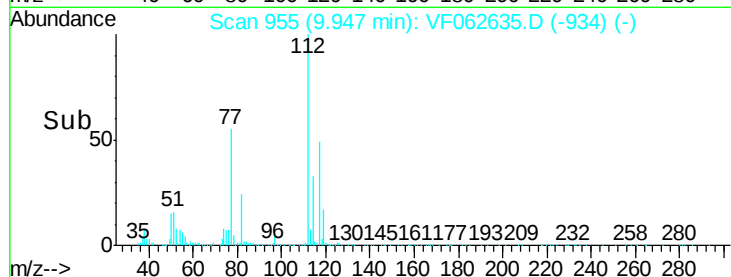
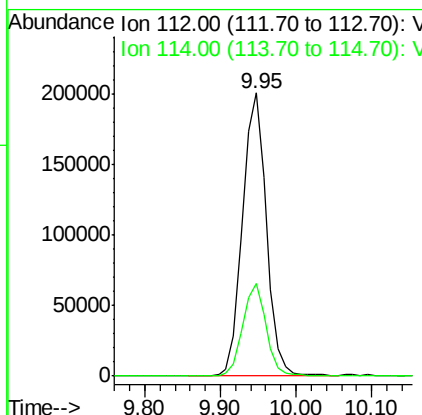
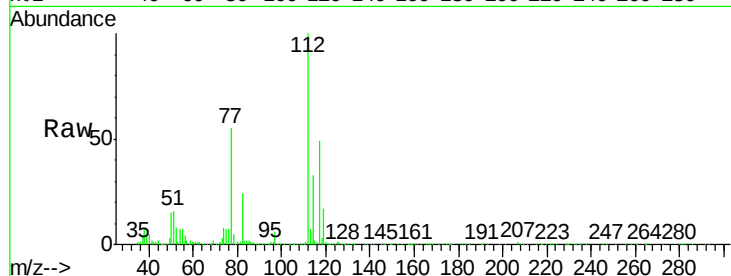
#65  
Chlorobenzene  
Concen: 22.669 ug/l  
RT: 9.95 min Scan# 955  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0517SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.9  | 26.8  | 40.2  |

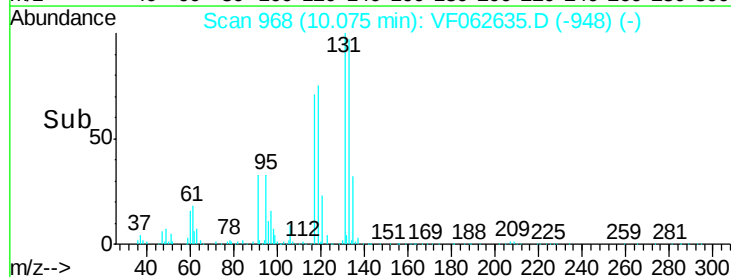
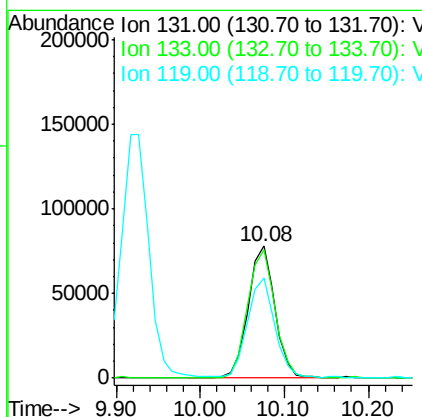
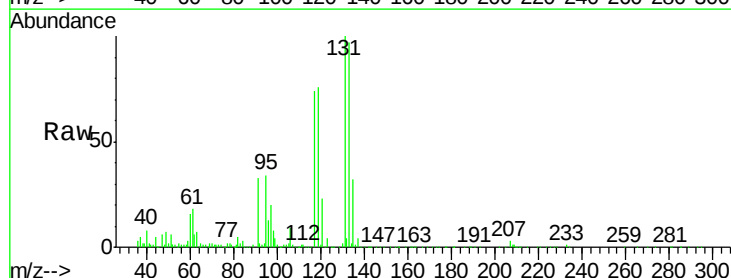
Manual Integrations  
APPROVED

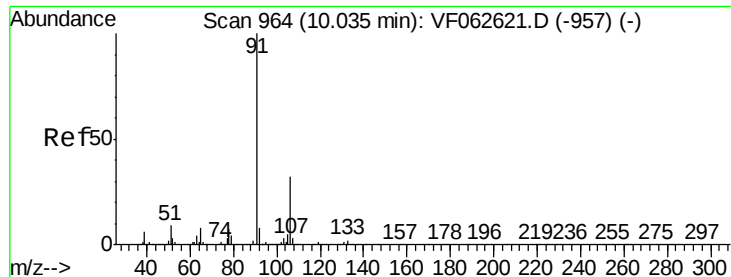
MMDadoda  
5/20/2019 2:52:05 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 22.403 ug/l  
RT: 10.08 min Scan# 968  
Delta R.T. 0.00 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 97.5  | 48.5  | 145.5 |
| 119     | 75.8  | 36.8  | 110.4 |





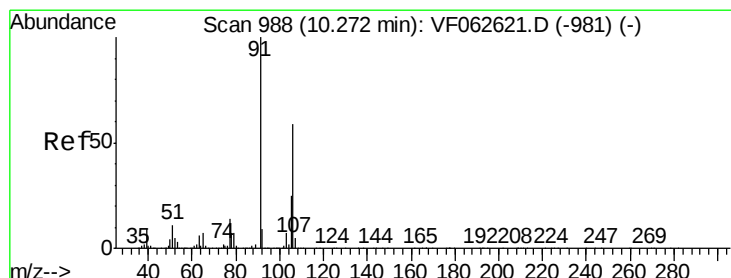
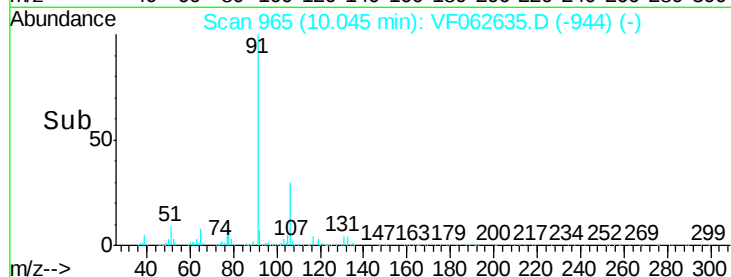
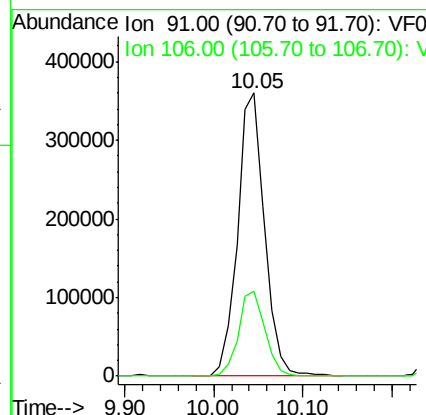
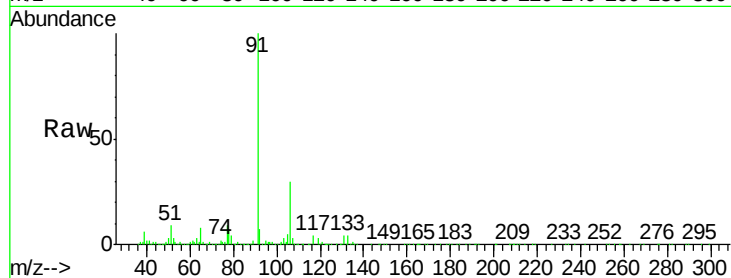
#67  
Ethyl Benzene  
Concen: 22.516 ug/l  
RT: 10.05 min Scan# 965  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0517SBS01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 758657 |       |       |
| 106     | 30.2 | 25.8  | 38.8   |       |       |

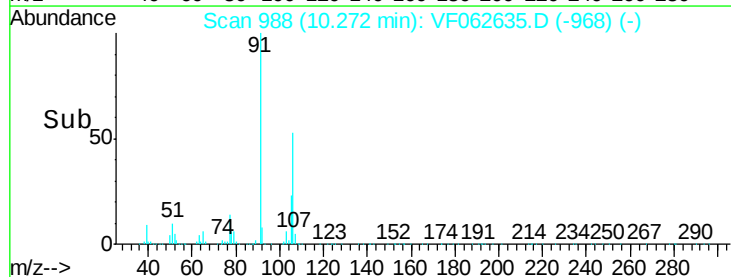
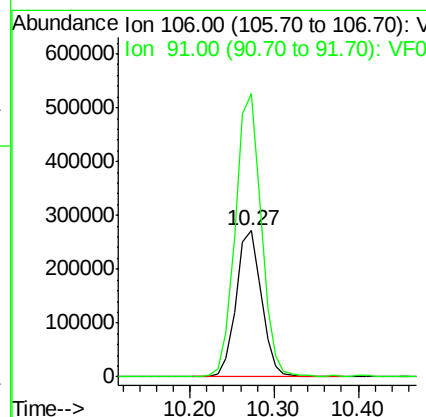
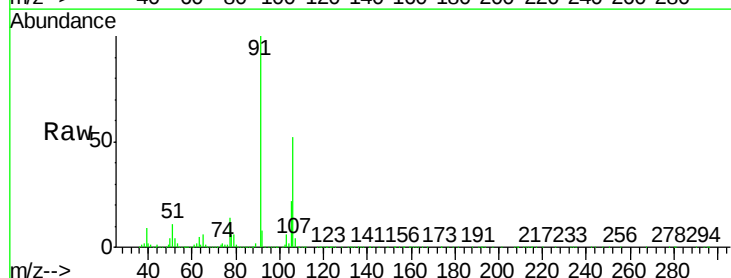
Manual Integrations  
APPROVED

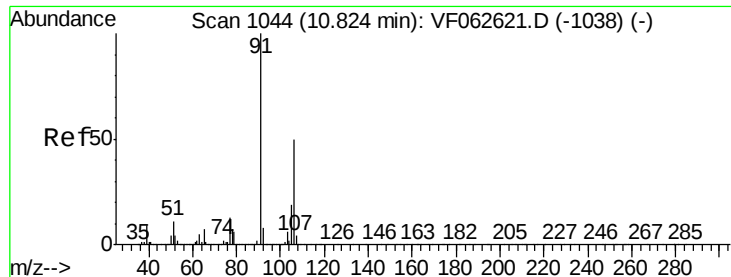
MMDadoda  
5/20/2019 2:52:05 PM



#68  
m/p-Xylenes  
Concen: 45.008 ug/l  
RT: 10.27 min Scan# 988  
Delta R.T. 0.00 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 569965 |       |       |
| 91      | 194.0 | 136.9 | 205.3  |       |       |





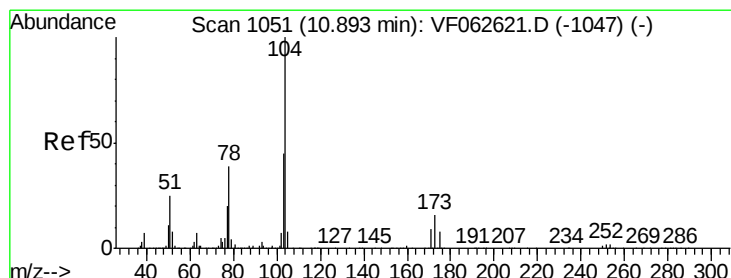
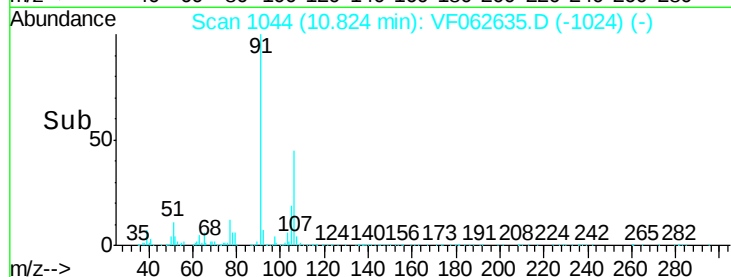
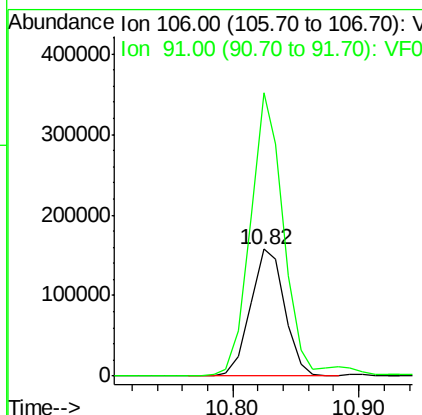
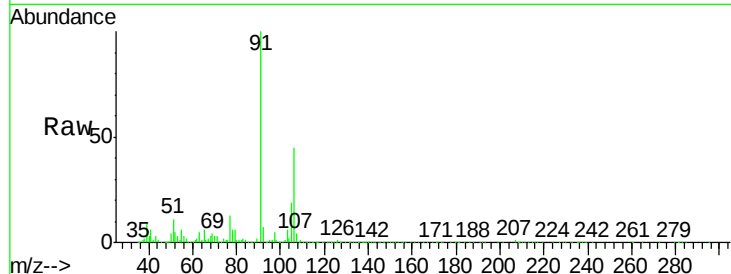
#69  
o-Xylene  
Concen: 22.831 ug/l  
RT: 10.82 min Scan# 1044  
Delta R.T. 0.00 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0517SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 223.1 | 100.2 | 300.5 |

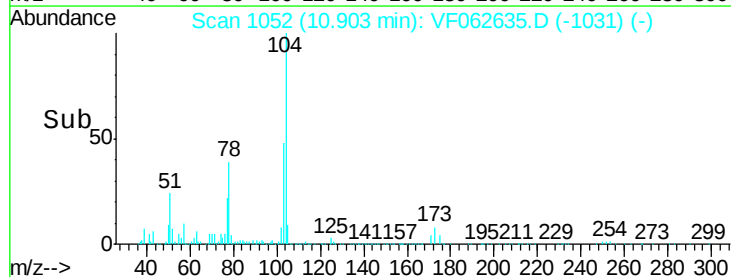
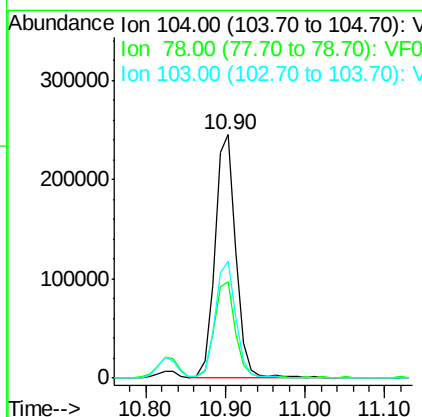
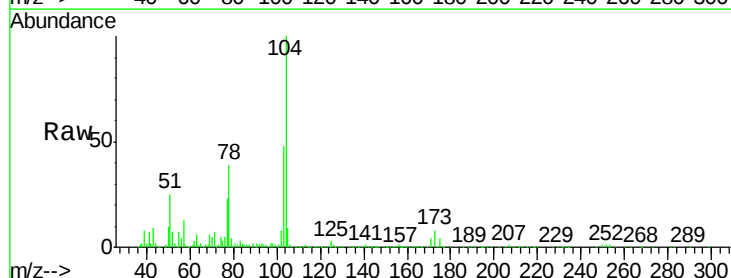
Manual Integrations  
APPROVED

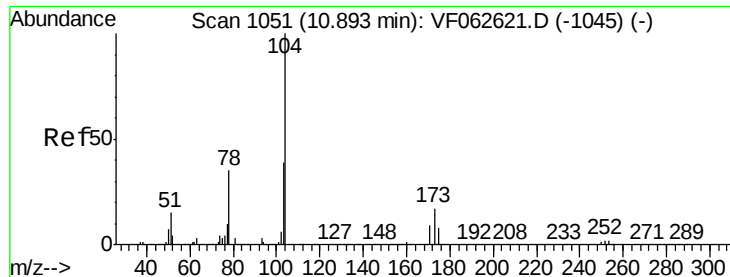
MMDadoda  
5/20/2019 2:52:05 PM



#70  
Styrene  
Concen: 22.805 ug/l  
RT: 10.90 min Scan# 1052  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 39.4  | 31.9  | 47.9  |
| 103     | 48.0  | 36.1  | 54.1  |





#71

Bromoform

Concen: 22.560 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

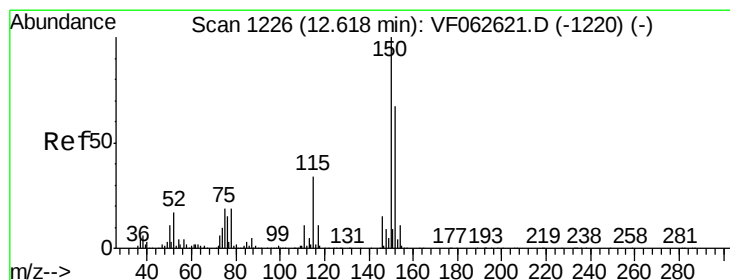
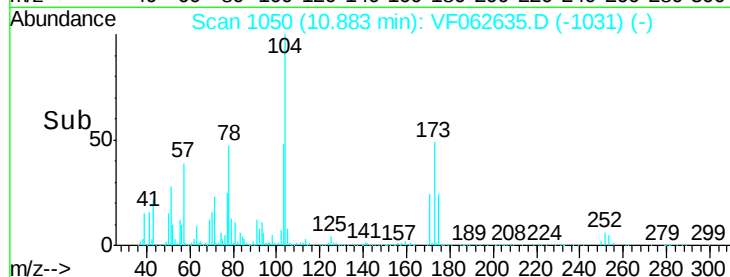
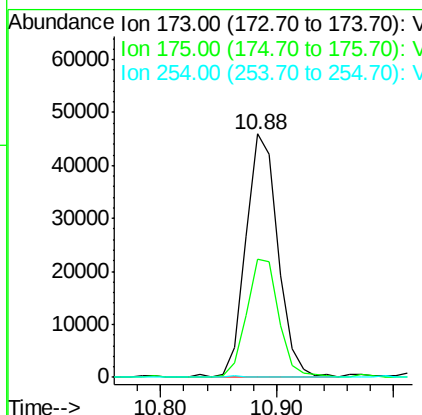
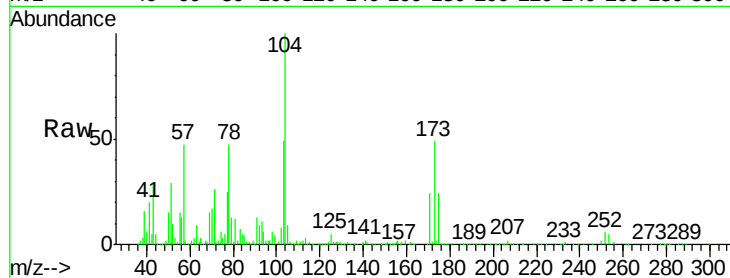
ClientSampleId :

VF0517SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.3  | 25.3  | 75.9  |
| 254     | 0.0   | 0.2   | 0.2   |

Manual Integrations  
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5/20/2019 2:52:05 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

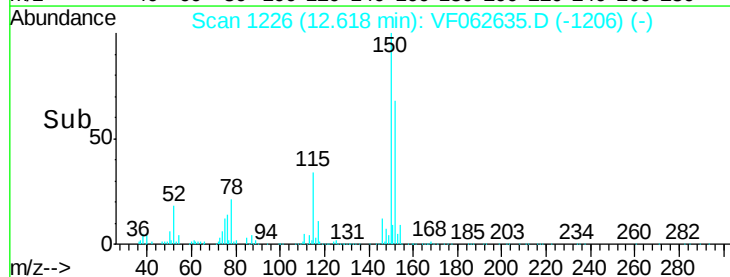
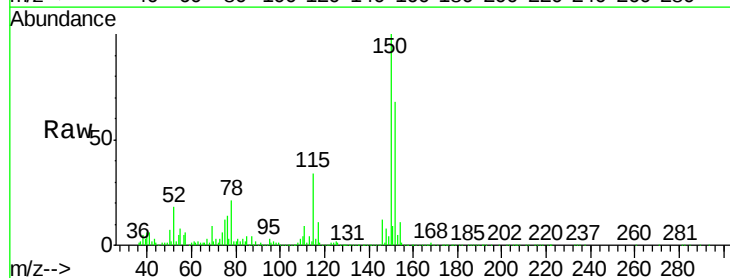
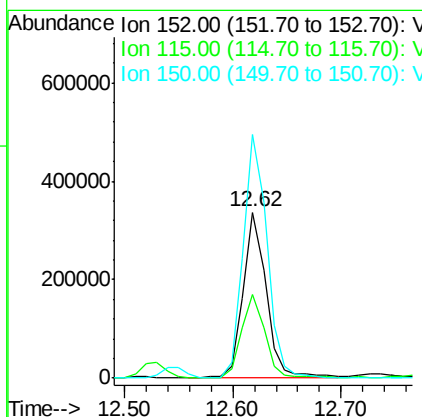
RT: 12.62 min Scan# 1226

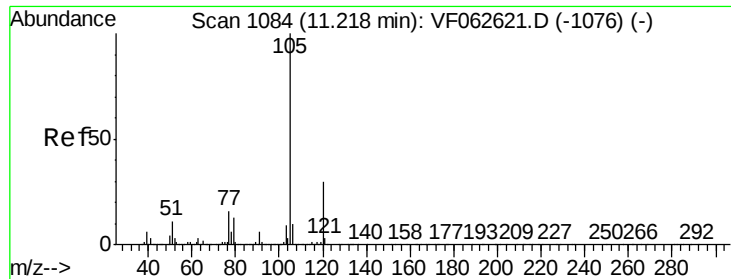
Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 50.4  | 25.2  | 75.6  |
| 150     | 147.0 | 0.0   | 306.2 |





#73

Isopropylbenzene

Concen: 24.550 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

ClientSampleId :

VF0517SBS01

Tot Ion:105 Resp: 882682

Ion Ratio Lower Upper

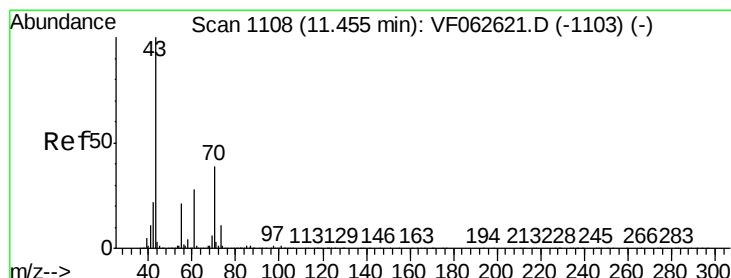
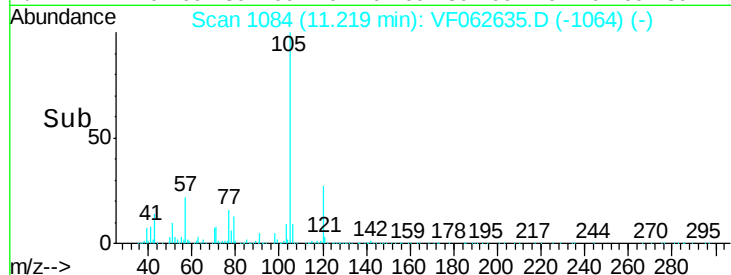
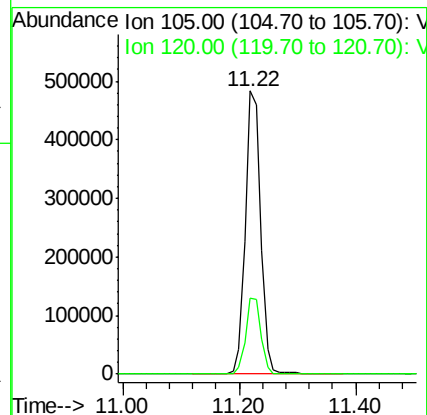
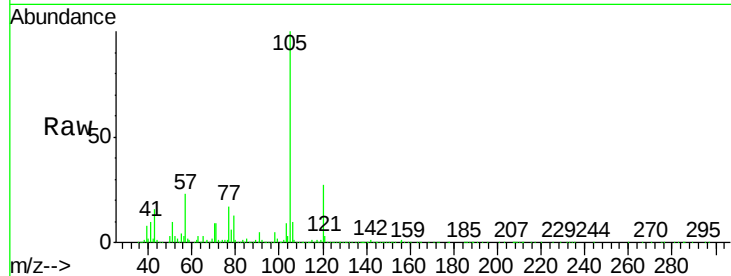
105 100

120 27.1 14.8 44.4

Manual Integrations  
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#74

N-ethyl acetate

Concen: 21.783 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Tgt Ion: 43 Resp: 227130

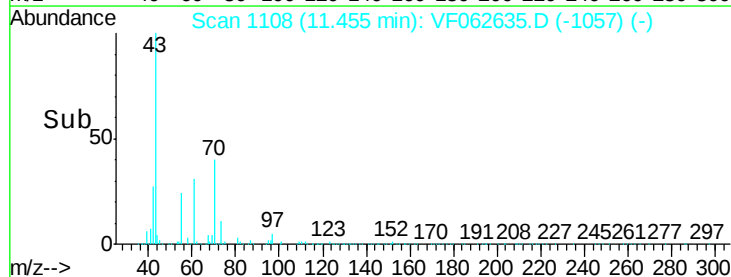
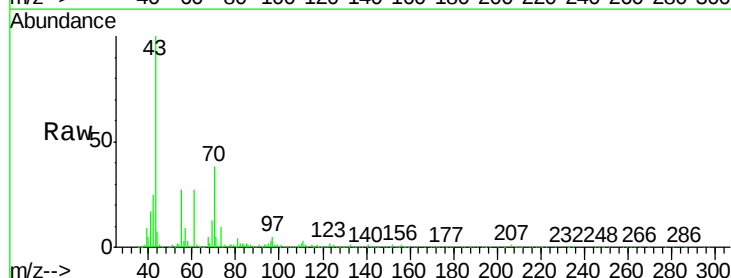
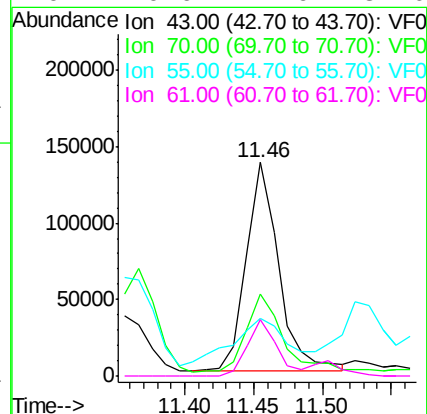
Ion Ratio Lower Upper

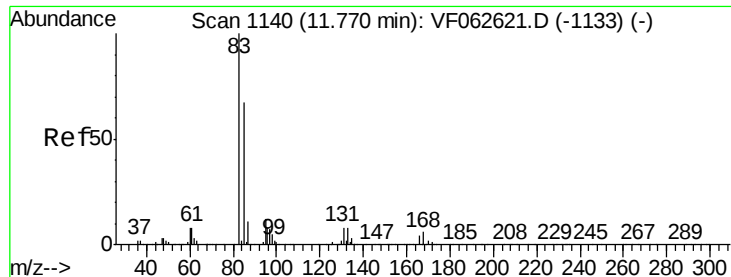
43 100

70 38.3 30.9 46.3

55 27.3 17.0 25.4#

61 26.6 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 27.922 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

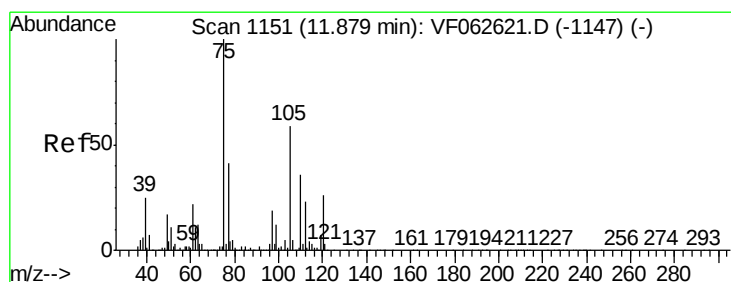
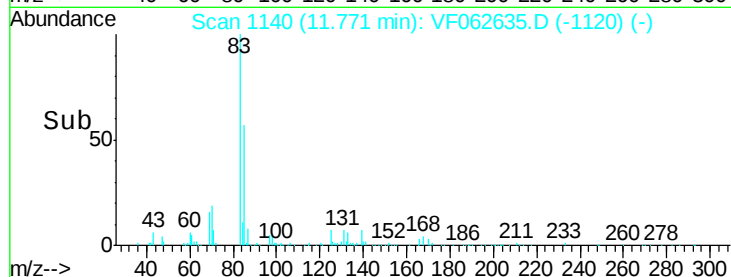
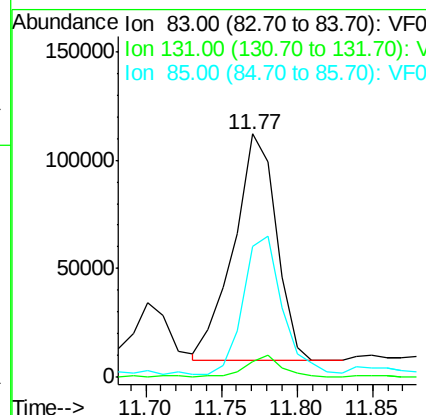
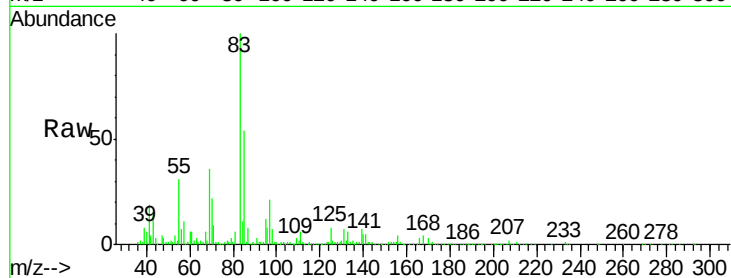
ClientSampleId :

VF0517SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 205161 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 6.6   | 4.0   | 12.0   |
| 85        | 53.7  | 33.5  | 100.5  |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 20.848 ug/l

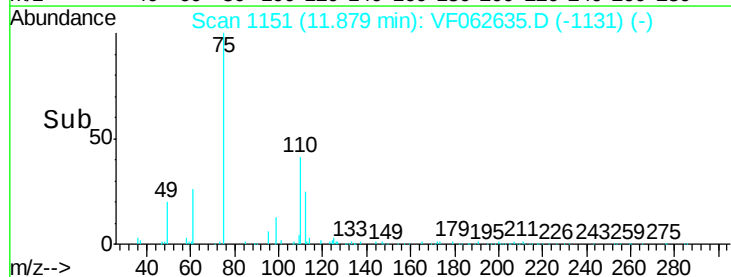
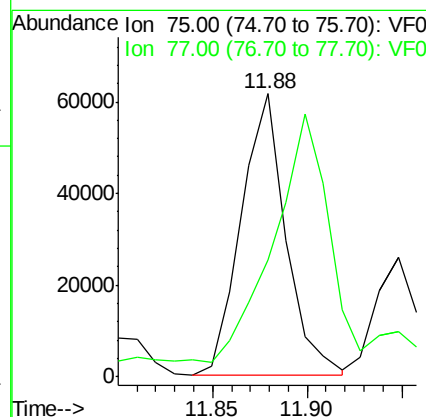
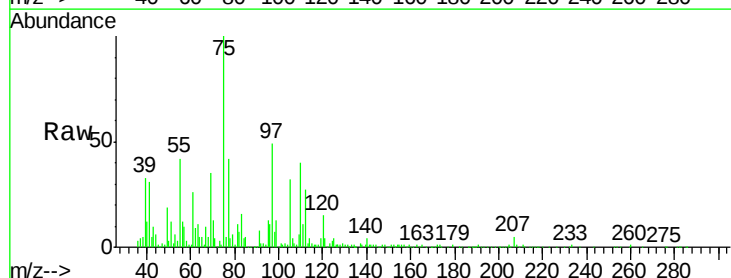
RT: 11.88 min Scan# 1151

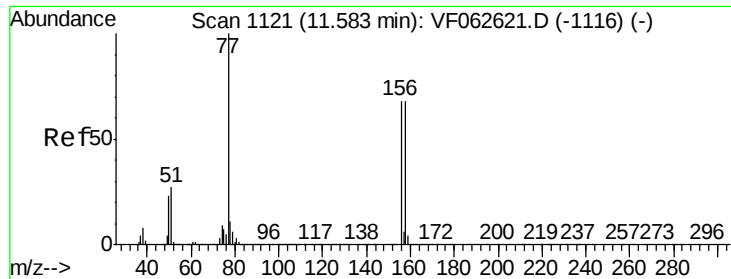
Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 100651 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 41.5  | 20.6  | 61.8   |





#77

Bromobenzene

Concen: 22.670 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

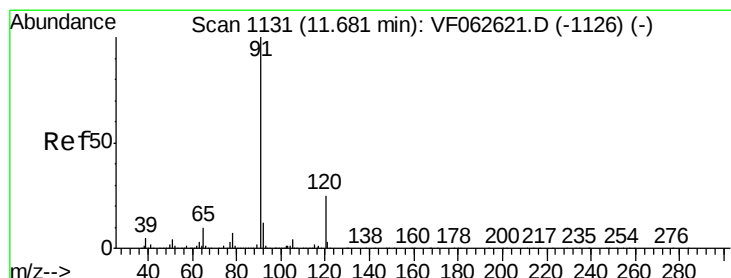
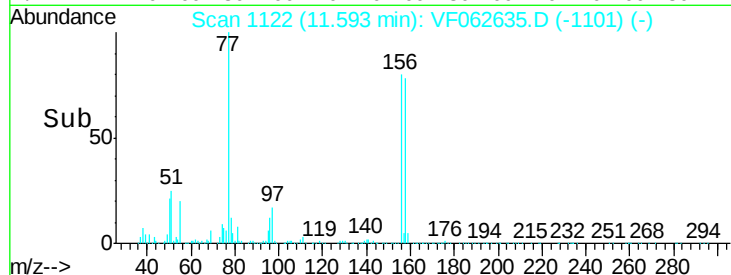
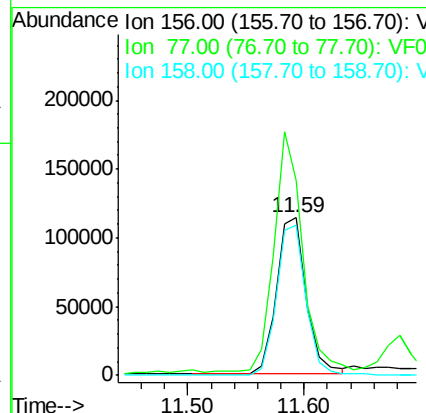
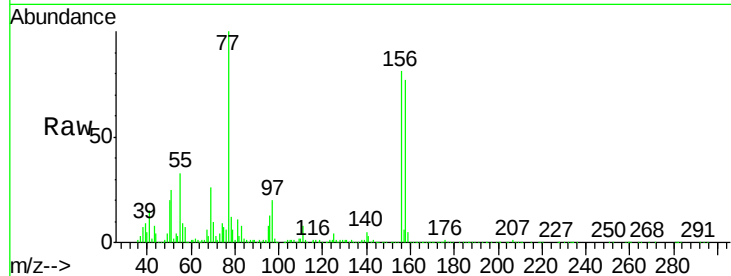
ClientSampleId :

VF0517SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 202599 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 123.8 | 73.6  | 220.8  |
| 158       | 95.3  | 49.6  | 148.8  |

Manual Integrations  
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#78

n-propylbenzene

Concen: 25.661 ug/l

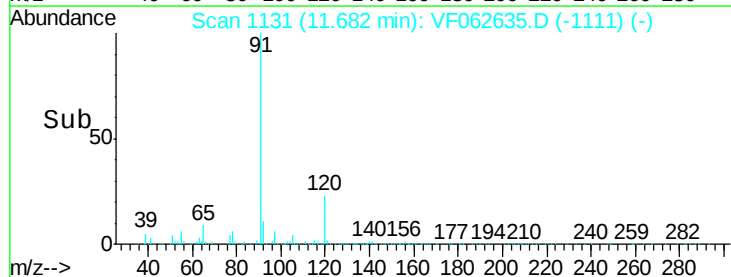
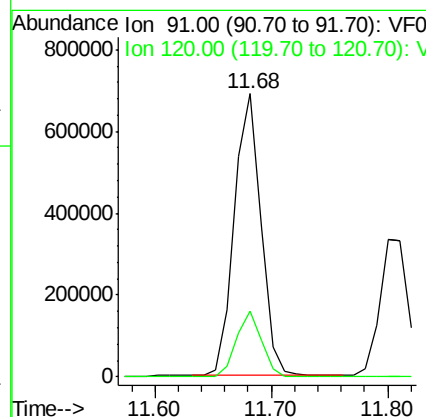
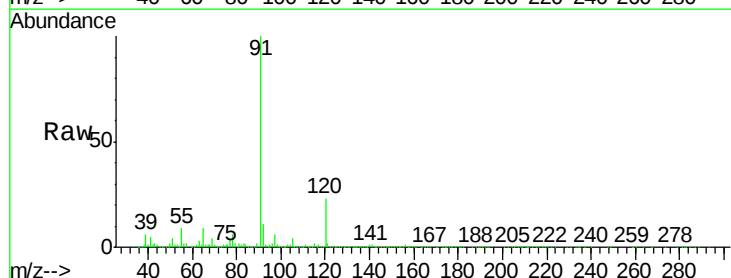
RT: 11.68 min Scan# 1131

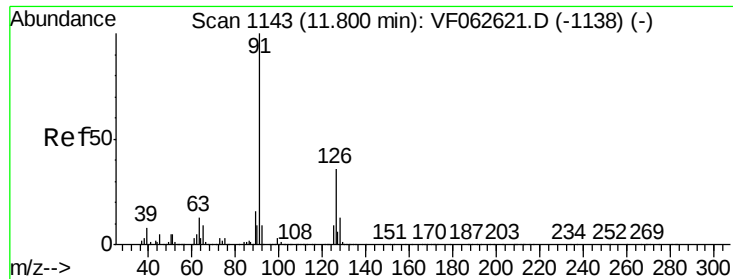
Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1091880 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 23.3  | 12.7  | 38.1    |





#79

2-Chlorotoluene

Concen: 23.340 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

ClientSampleId :

VF0517SBS01

Tot Ion: 91 Resp: 559685

Ion Ratio Lower Upper

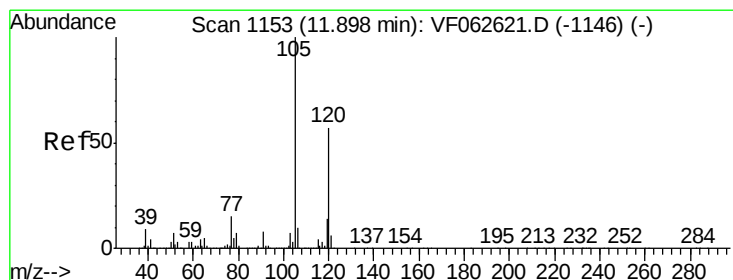
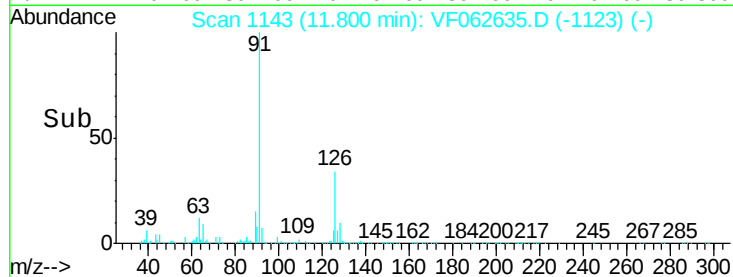
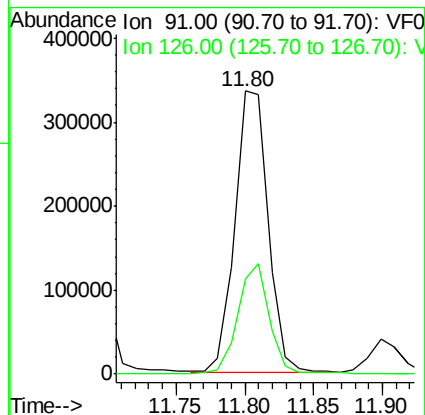
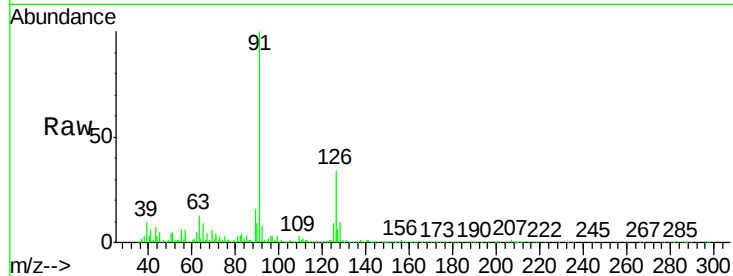
91 100

126 33.6 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 21.670 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062635.D

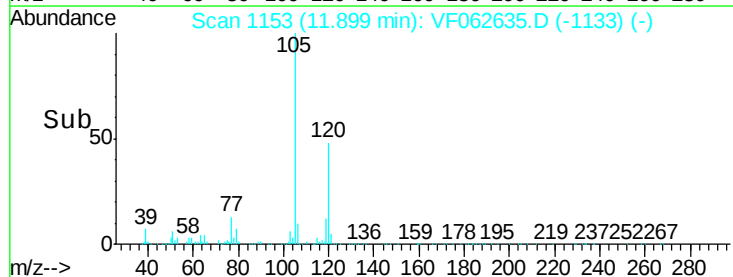
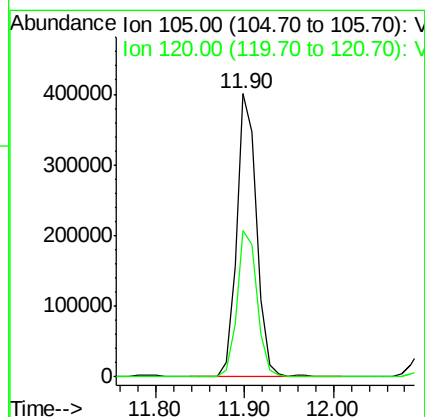
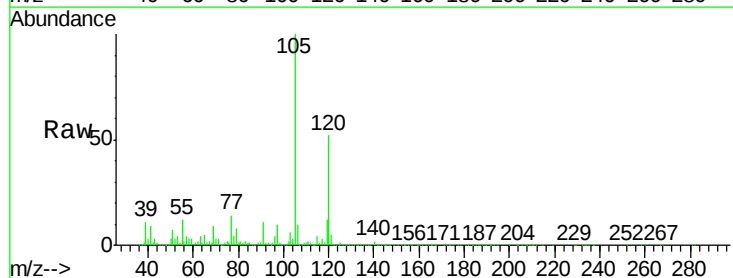
Acq: 17 May 2019 13:13

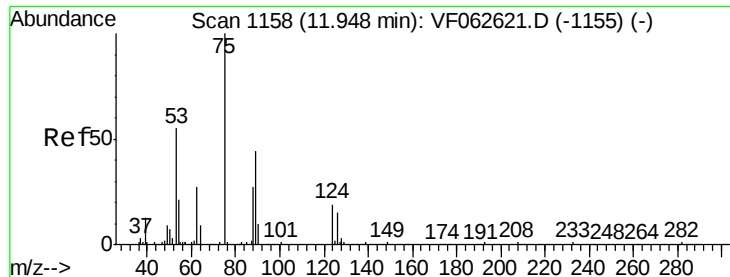
Tgt Ion: 105 Resp: 624750

Ion Ratio Lower Upper

105 100

120 51.8 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.443 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

ClientSampleId :

VF0517SBS01

Tot Ion: 75 Resp: 41725  
Ion Ratio Lower Upper

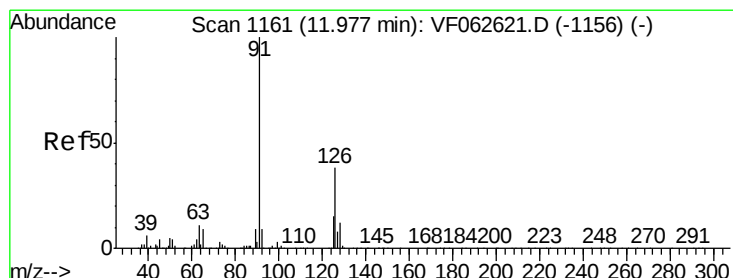
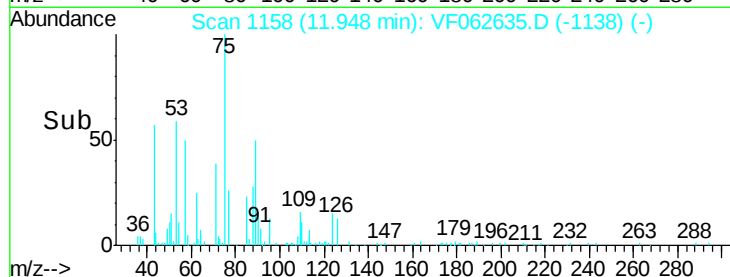
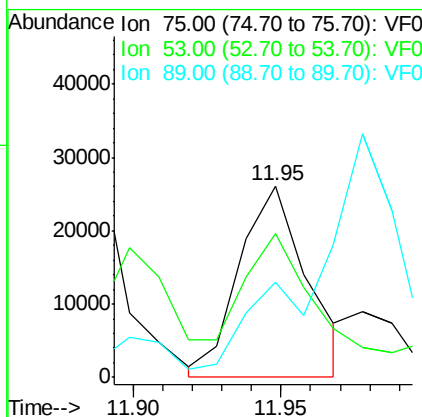
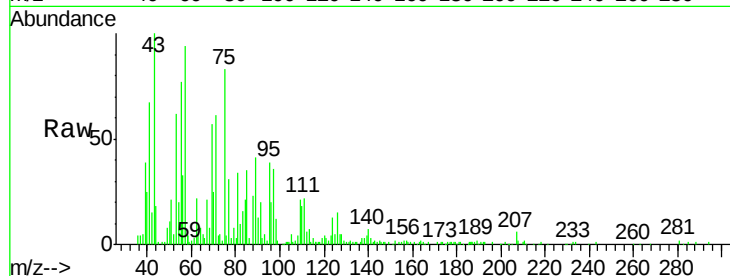
75 100

53 75.3 46.9 70.3#

89 49.5 36.4 54.6

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#82

4-Chlorotoluene

Concen: 20.491 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.00 min

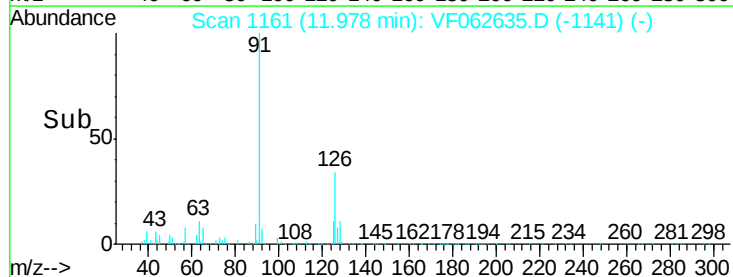
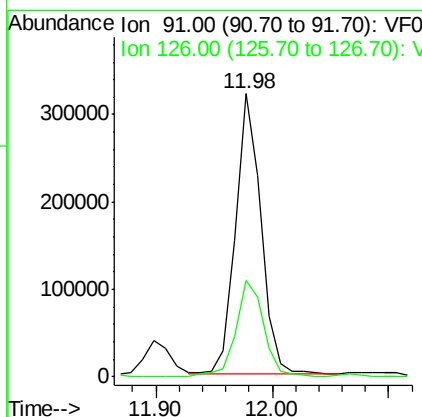
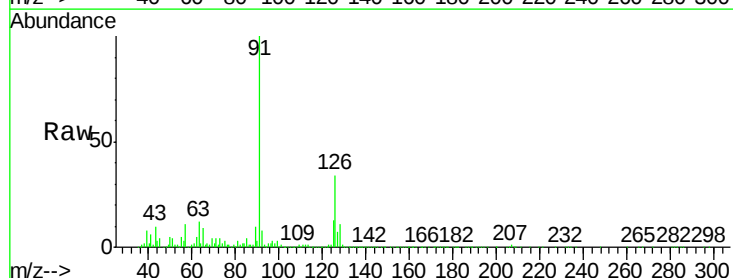
Lab File: VF062635.D

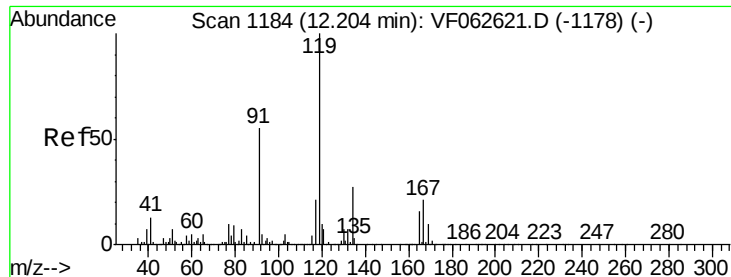
Acq: 17 May 2019 13:13

Tgt Ion: 91 Resp: 484553  
Ion Ratio Lower Upper

91 100

126 33.9 19.1 57.1





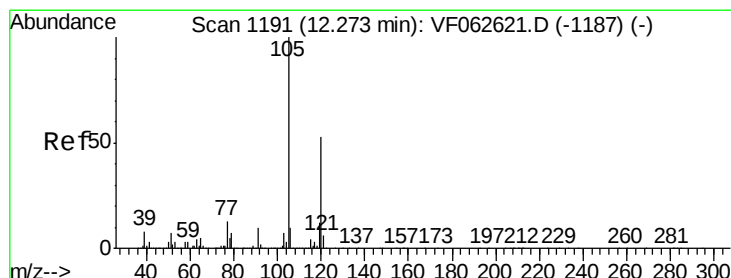
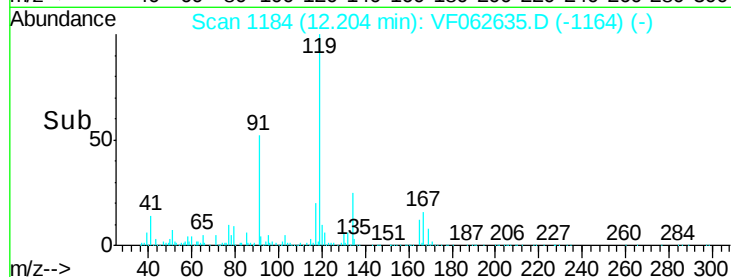
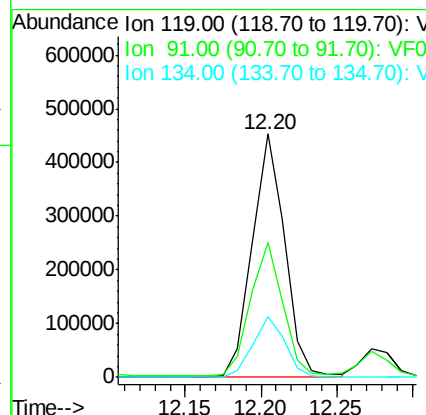
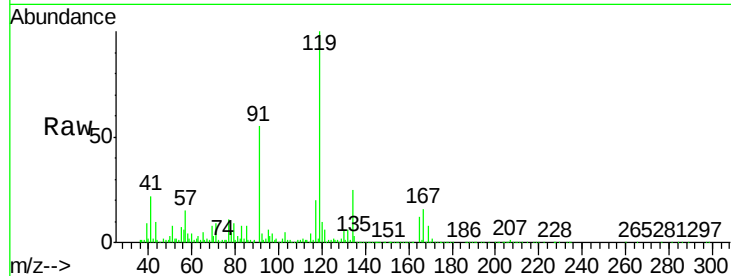
#83  
 tert-Butylbenzene  
 Concen: 23.202 ug/l  
 RT: 12.20 min Scan# 1184  
 Delta R.T. 0.00 min  
 Lab File: VF062635.D  
 Acq: 17 May 2019 13:13

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0517SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 678650 |       |       |
| 91      | 55.1  | 27.3   | 81.9  |       |
| 134     | 24.8  | 13.6   | 40.7  |       |

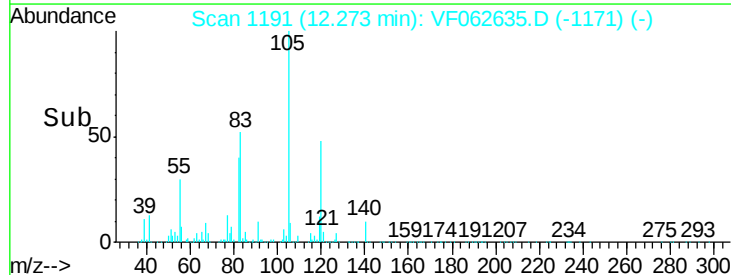
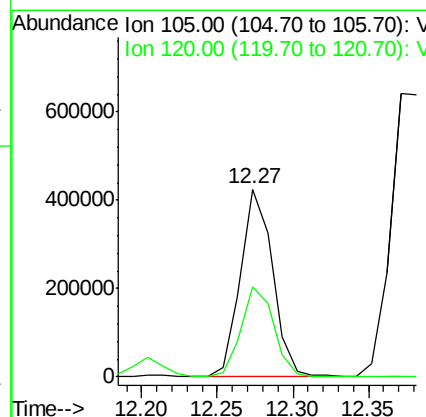
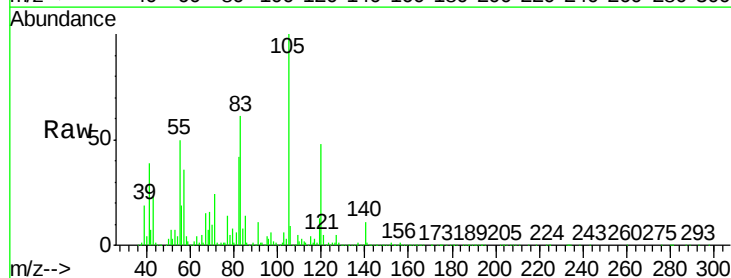
Manual Integrations  
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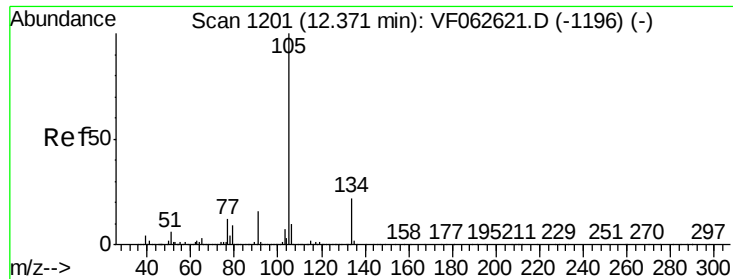
MMDadoda  
 5/20/2019 2:52:05 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 22.411 ug/l  
 RT: 12.27 min Scan# 1191  
 Delta R.T. 0.00 min  
 Lab File: VF062635.D  
 Acq: 17 May 2019 13:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 625348 |       |       |
| 120     | 47.8  | 26.7   | 80.1  |       |





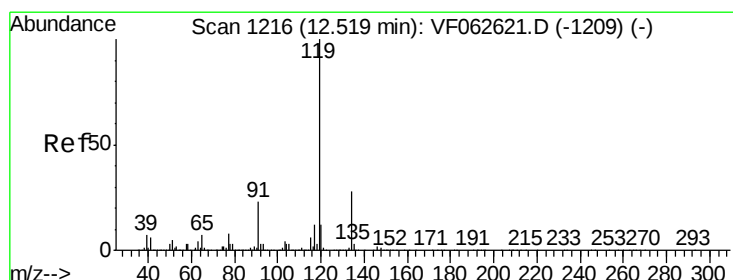
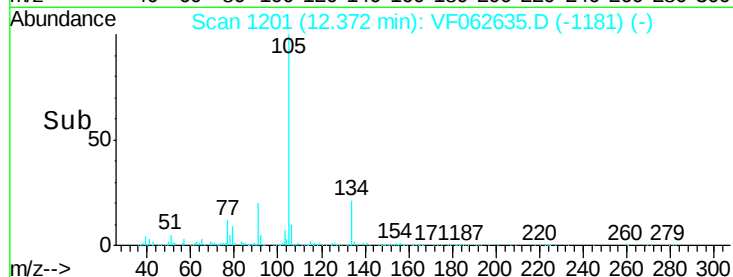
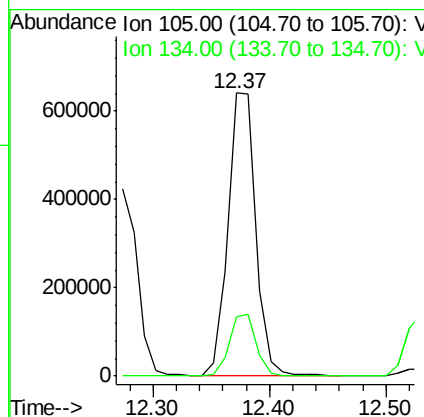
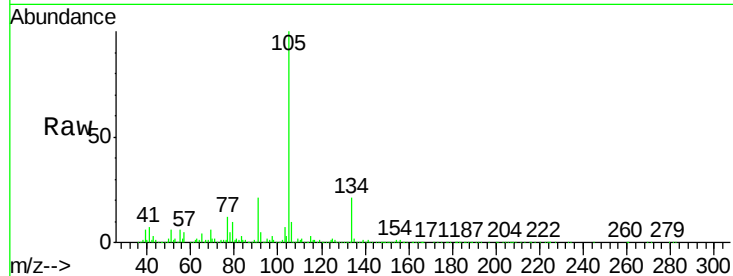
#85  
 sec-Butylbenzene  
 Concen: 26.773 ug/l  
 RT: 12.37 min Scan# 1201  
 Delta R.T. 0.00 min  
 Lab File: VF062635.D  
 Acq: 17 May 2019 13:13

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0517SBS01

Tot Ion:105 Resp: 1050930  
 Ion Ratio Lower Upper  
 105 100  
 134 21.1 10.8 32.4

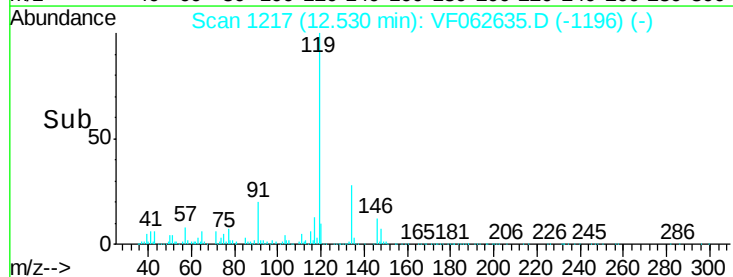
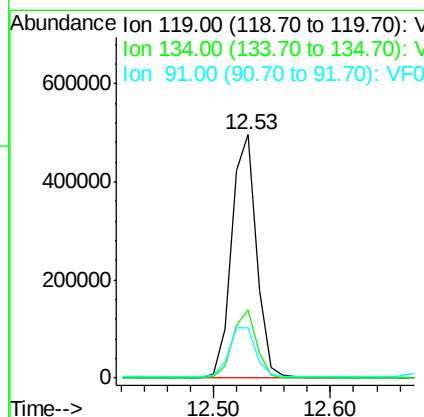
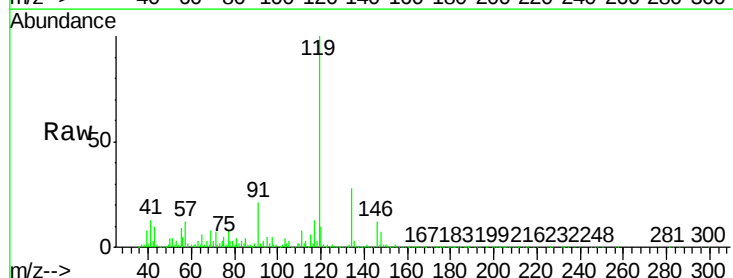
Manual Integrations  
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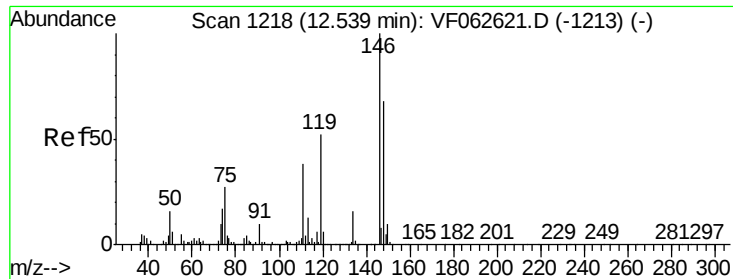
MMDadoda  
 5/20/2019 2:52:05 PM



#86  
 p-Isopropyltoluene  
 Concen: 22.144 ug/l  
 RT: 12.53 min Scan# 1217  
 Delta R.T. 0.01 min  
 Lab File: VF062635.D  
 Acq: 17 May 2019 13:13

Tgt Ion:119 Resp: 732524  
 Ion Ratio Lower Upper  
 119 100  
 134 27.8 14.1 42.3  
 91 20.9 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 20.950 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

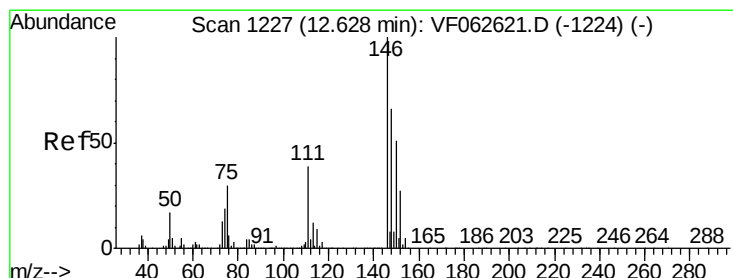
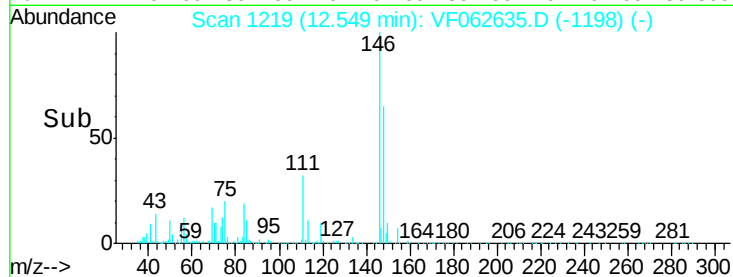
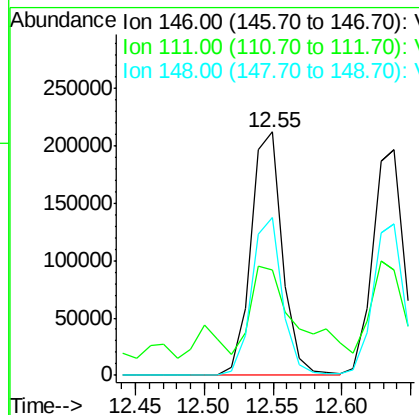
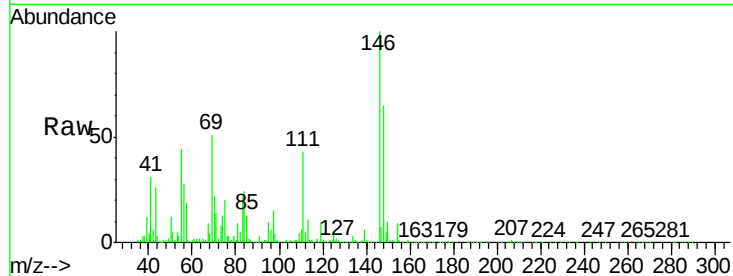
ClientSampleId :

VF0517SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 338739 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 43.4  | 18.9  | 56.9   |
| 148       | 64.8  | 34.0  | 101.8  |

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#88

1,4-Dichlorobenzene

Concen: 20.780 ug/l

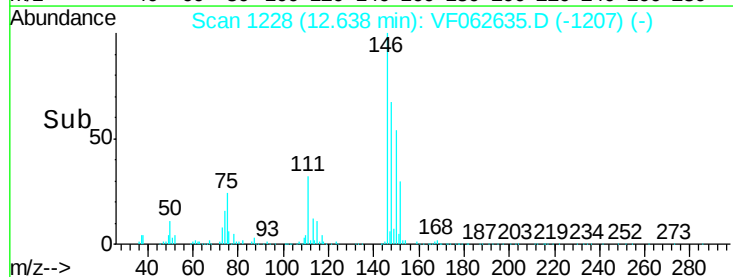
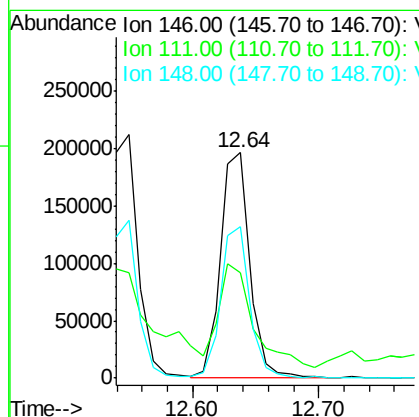
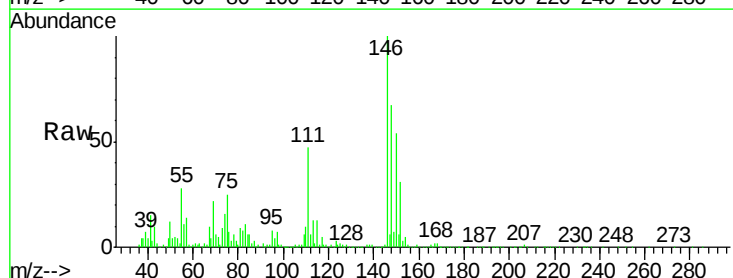
RT: 12.64 min Scan# 1228

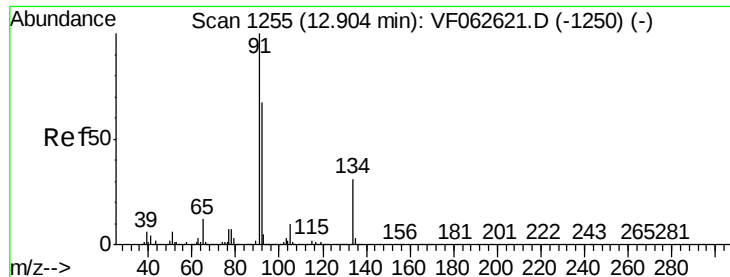
Delta R.T. 0.01 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 315297 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 46.9  | 19.4  | 58.2   |
| 148       | 67.3  | 33.2  | 99.6   |





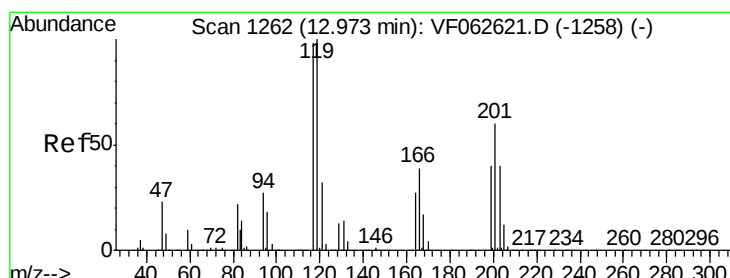
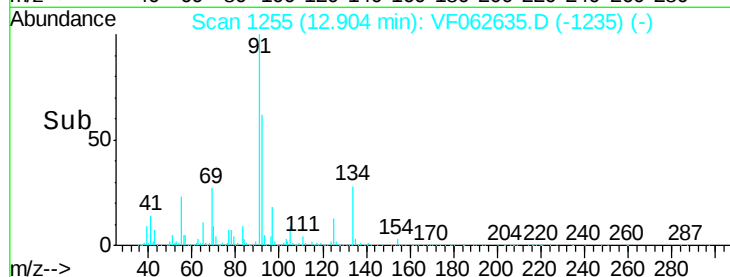
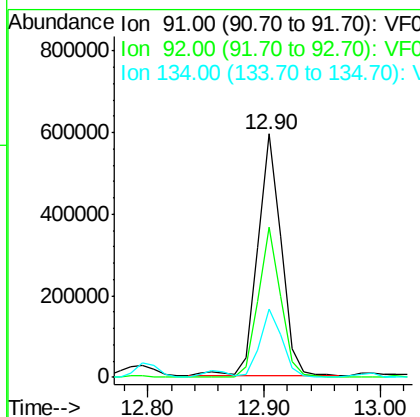
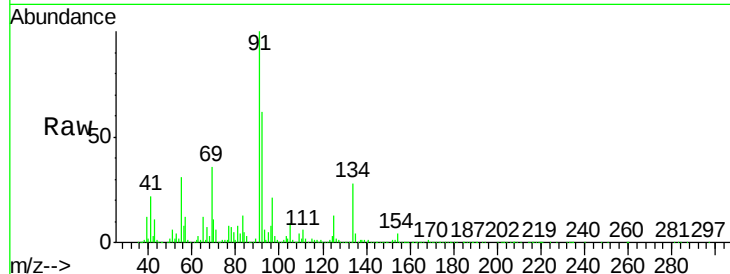
#89  
n-Butylbenzene  
Concen: 25.264 ug/l  
RT: 12.90 min Scan# 1255  
Delta R.T. 0.00 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0517SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 61.8  | 33.3  | 99.8  |
| 134     | 28.2  | 15.4  | 46.4  |

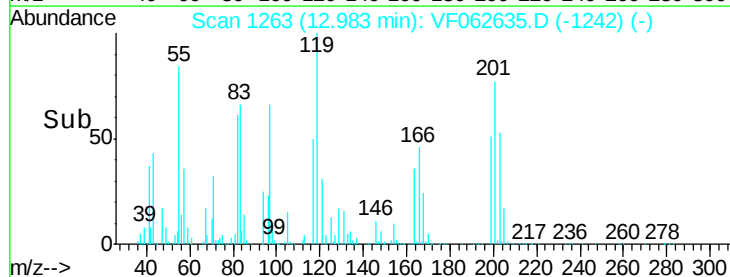
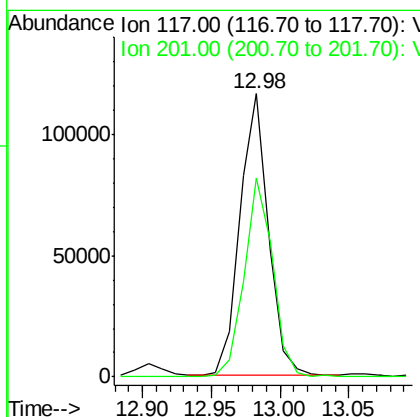
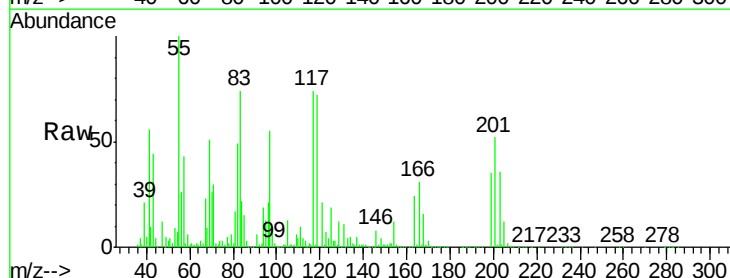
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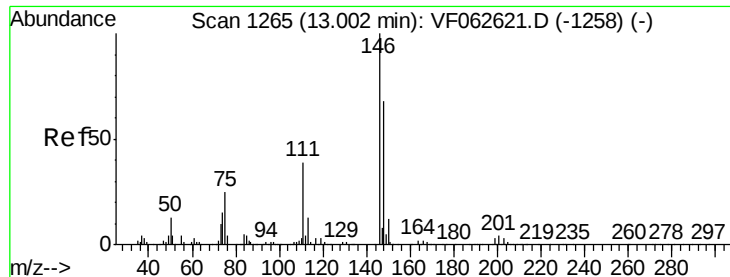
MMDadoda  
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#90  
Hexachloroethane  
Concen: 21.000 ug/l  
RT: 12.98 min Scan# 1263  
Delta R.T. 0.01 min  
Lab File: VF062635.D  
Acq: 17 May 2019 13:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 70.3  | 30.7  | 92.1  |





#91

1,2-Dichlorobenzene

Concen: 22.066 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

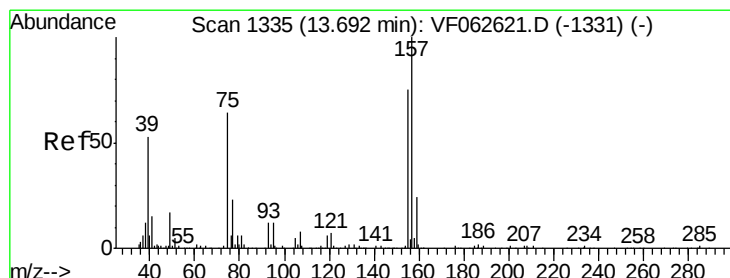
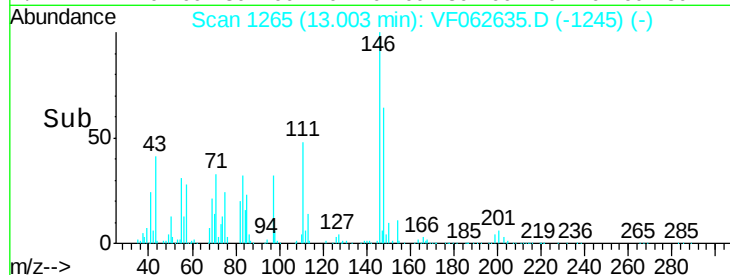
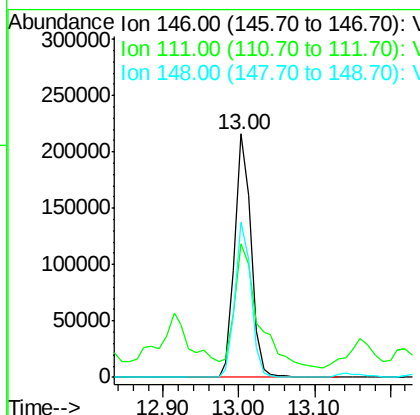
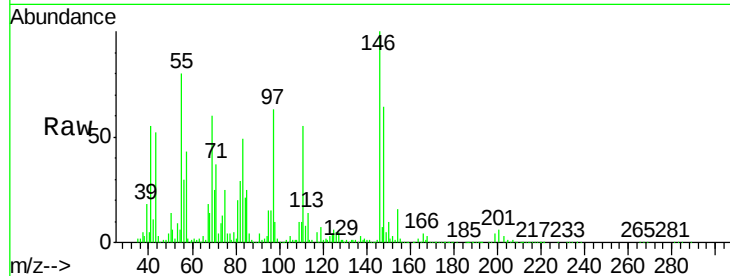
ClientSampleId :

VF0517SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 318037 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 54.9  | 19.8  | 59.3   |
| 148       | 64.0  | 34.1  | 102.2  |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.293 ug/l

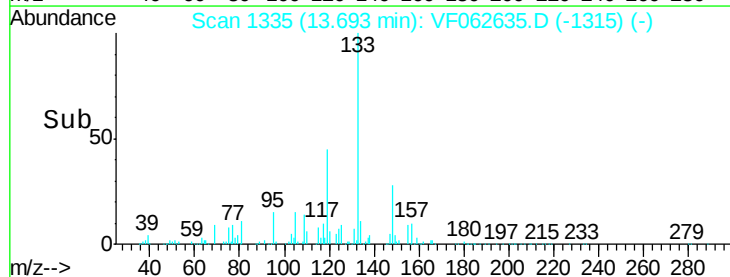
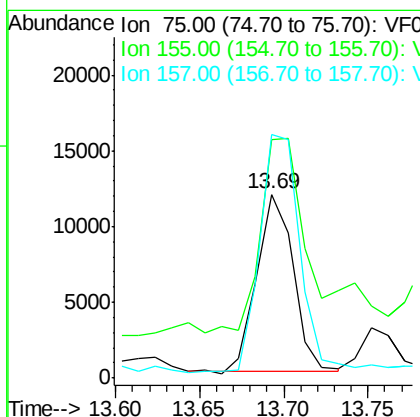
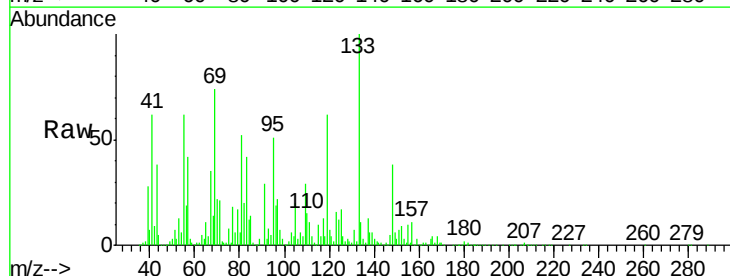
RT: 13.69 min Scan# 1335

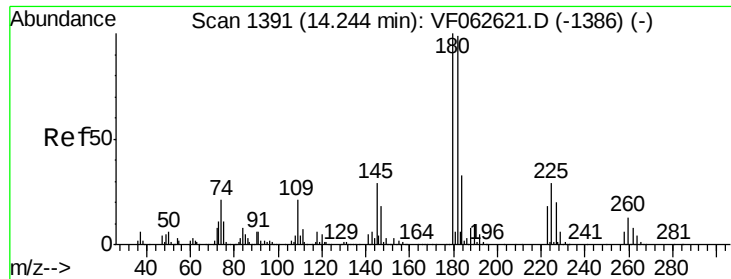
Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 17788 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 130.1 | 58.1  | 174.3 |
| 157       | 132.7 | 77.8  | 233.4 |





#93

1,2,4-Trichlorobenzene

Concen: 16.476 ug/l

RT: 14.24 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

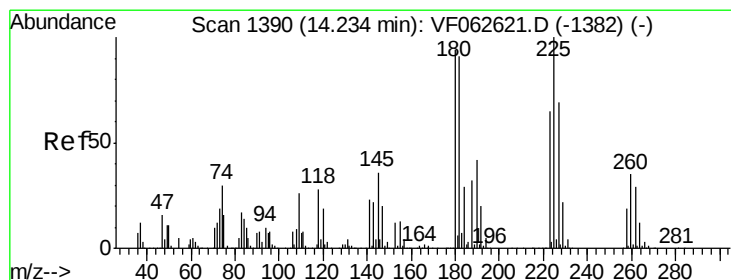
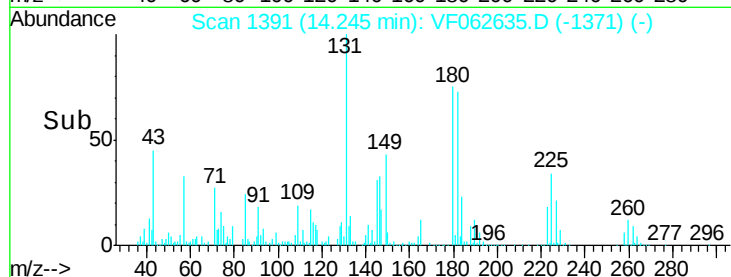
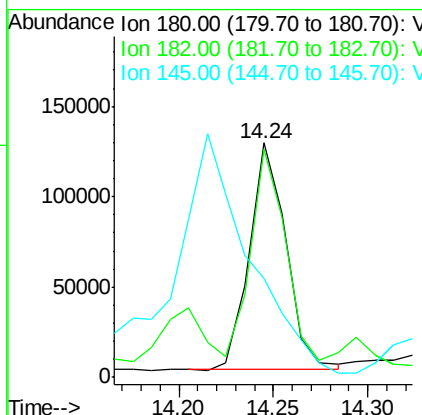
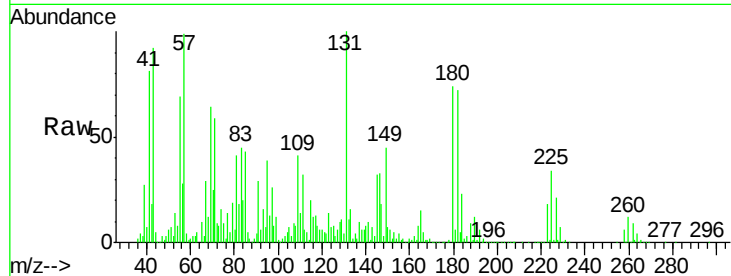
ClientSampleId :

VF0517SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 169981 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 97.4  | 49.7  | 149.1  |
| 145       | 42.5  | 14.6  | 44.0   |

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#94

Hexachlorobutadiene

Concen: 15.679 ug/l

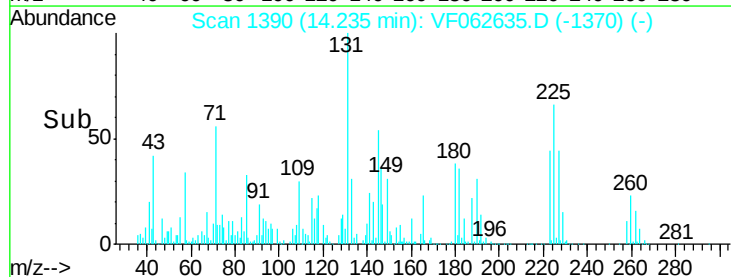
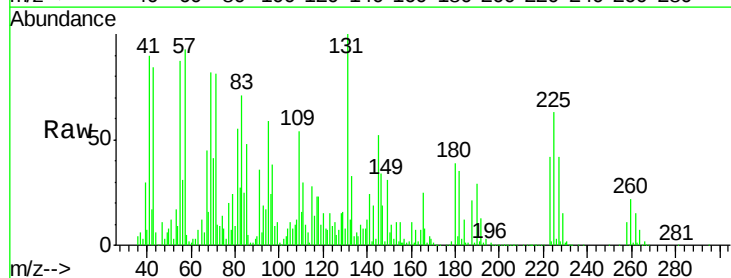
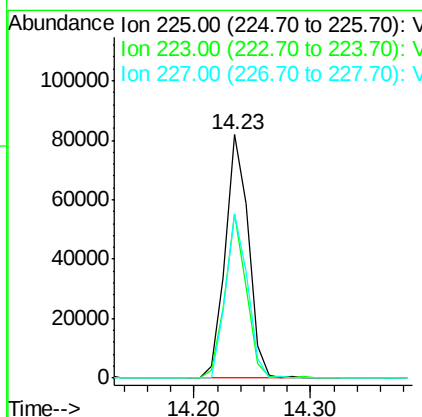
RT: 14.23 min Scan# 1390

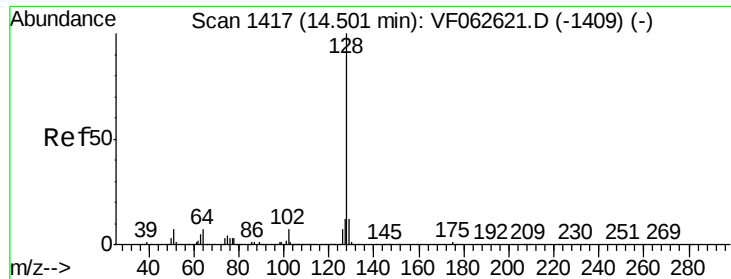
Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 112883 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 67.7  | 32.5  | 97.4   |
| 227       | 67.6  | 34.5  | 103.5  |





#95

Naphthalene

Concen: 48.190 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

Instrument :

MSVOA\_F

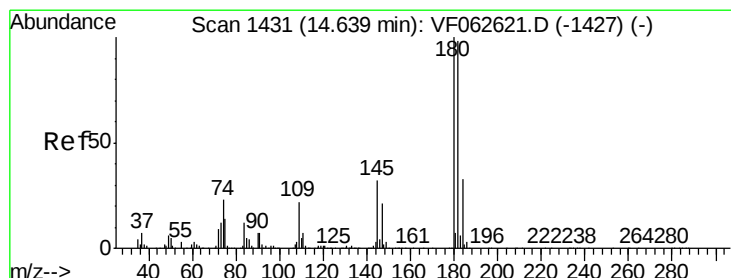
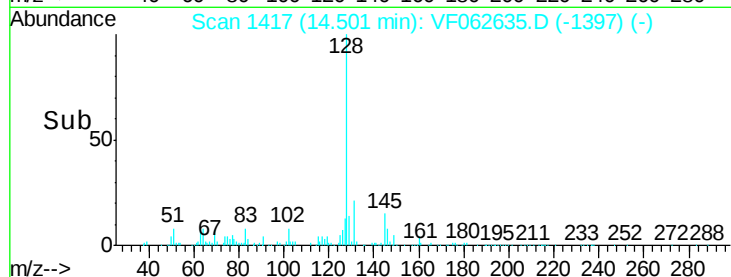
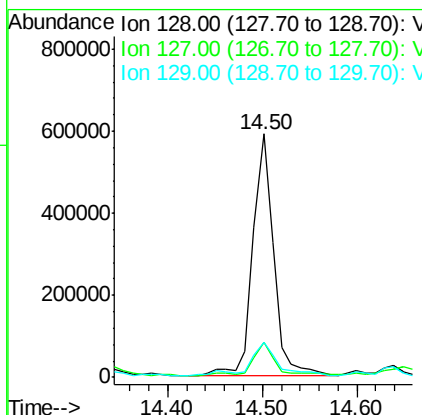
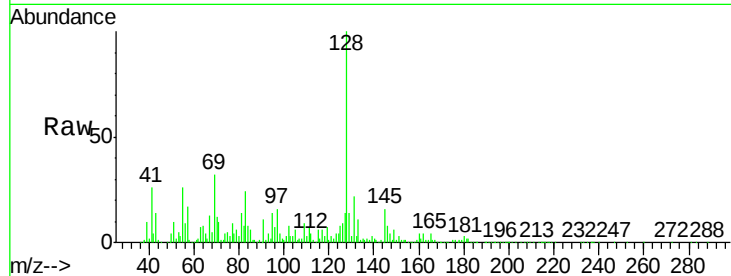
ClientSampleId :

VF0517SBS01

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 128  | Resp: | 903195 |
| Ion Ratio |      | Lower | Upper  |
| 128       | 100  |       |        |
| 127       | 14.2 | 9.7   | 14.5   |
| 129       | 14.1 | 9.3   | 13.9#  |

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#96

1,2,3-Trichlorobenzene

Concen: 17.284 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062635.D

Acq: 17 May 2019 13:13

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 180  | Resp: | 168904 |
| Ion Ratio |      | Lower | Upper  |
| 180       | 100  |       |        |
| 182       | 92.9 | 48.9  | 146.7  |
| 145       | 37.1 | 16.1  | 48.2   |

