

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\  
 Data File : VF062678.D  
 Acq On : 21 May 2019 12:39  
 Operator : FY/SY  
 Sample : VF0521SBSD01  
 Misc : 5.00g/5mL/MSVOA F/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0521SBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 5/22/2019 4:20:58 PM

Quant Time: May 22 04:08:44 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      | 5.06  | 168  | 805531   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.78  | 114  | 1320363  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.92  | 117  | 959549   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.62 | 152  | 457090   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 5.04   | 65  | 262179   | 46.06 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.12% |      |
| 35) Dibromofluoromethane  | 4.31   | 113 | 489555   | 48.45 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.90% |      |
| 50) Toluene-d8            | 7.72   | 98  | 1086322  | 45.03 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.06% |      |
| 62) 4-Bromofluorobenzene  | 11.49  | 95  | 373274   | 40.80 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 81.60% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.01 | 85  | 202380  | 18.462  | ug/l   | 93     |
| 3) Chloromethane              | 1.14 | 50  | 192872  | 19.108  | ug/l   | 90     |
| 4) Vinyl Chloride             | 1.18 | 62  | 189660  | 20.413  | ug/l   | 95     |
| 5) Bromomethane               | 1.37 | 94  | 102022  | 20.072  | ug/l   | 88     |
| 6) Chloroethane               | 1.43 | 64  | 63987   | 18.752  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 1.55 | 101 | 262949  | 21.077  | ug/l   | 93     |
| 8) Diethyl Ether              | 1.71 | 74  | 49152   | 19.888  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.90 | 101 | 162379  | 20.441  | ug/l   | 97     |
| 10) Methyl Iodide             | 1.97 | 142 | 332376  | 21.300  | ug/l   | 97     |
| 11) Tert butyl alcohol        | 2.70 | 59  | 40641   | 108.143 | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 1.86 | 96  | 155990  | 21.557  | ug/l   | 96     |
| 13) Acrolein                  | 2.10 | 56  | 39598   | 100.940 | ug/l   | 94     |
| 14) Allyl chloride            | 2.20 | 41  | 170935m | 26.100  | ug/l   |        |
| 15) Acrylonitrile             | 3.09 | 53  | 109420  | 103.218 | ug/l   | 99     |
| 16) Acetone                   | 2.35 | 43  | 127387  | 86.261  | ug/l # | 86     |
| 17) Carbon Disulfide          | 1.90 | 76  | 448669  | 20.919  | ug/l   | 95     |
| 18) Methyl Acetate            | 2.47 | 43  | 54161   | 23.339  | ug/l   | 92     |
| 19) Methyl tert-butyl Ether   | 2.55 | 73  | 289325  | 22.366  | ug/l   | 98     |
| 20) Methylene Chloride        | 2.29 | 84  | 157720  | 21.307  | ug/l   | 89     |
| 21) trans-1,2-Dichloroethene  | 2.43 | 96  | 161585  | 22.846  | ug/l   | 96     |
| 22) Diisopropyl ether         | 2.94 | 45  | 346438  | 21.447  | ug/l   | 98     |
| 23) Vinyl Acetate             | 3.34 | 43  | 1155383 | 106.034 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 3.02 | 63  | 253788  | 21.417  | ug/l   | 99     |
| 25) 2-Butanone                | 4.53 | 43  | 317669  | 100.685 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 3.78 | 77  | 180648  | 26.644  | ug/l   | 91     |
| 27) cis-1,2-Dichloroethene    | 3.65 | 96  | 251282  | 21.598  | ug/l   | 96     |
| 28) Bromochloromethane        | 3.90 | 49  | 128547  | 19.342  | ug/l   | 98     |
| 29) Tetrahydrofuran           | 4.27 | 42  | 131315  | 102.850 | ug/l   | 99     |
| 30) Chloroform                | 4.06 | 83  | 372606  | 22.648  | ug/l   | 97     |
| 31) Cyclohexane               | 3.89 | 56  | 317122  | 19.931  | ug/l   | 100    |
| 32) 1,1,1-Trichloroethane     | 4.29 | 97  | 252578  | 23.116  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 4.48 | 75  | 294051  | 21.734  | ug/l   | 92     |
| 37) Ethyl Acetate             | 4.30 | 43  | 111142  | 20.119  | ug/l   | 82     |
| 38) Carbon Tetrachloride      | 4.19 | 117 | 228989  | 22.504  | ug/l   | 98     |

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 Operator : FY/SY  
 Sample : VF0521SBS01  
 Misc : 5.00g/5mL/MSVOA F/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleID :  
 VF0521SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 5/22/2019 4:20:58 PM

Quant Time: May 22 04:08:44 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          | 5.64  | 83   | 343422   | 21.095  | ug/l   | 97       |
| 40) Benzene                    | 4.83  | 78   | 789372   | 21.416  | ug/l   | 100      |
| 41) Methacrylonitrile          | 4.95  | 41   | 63325    | 21.865  | ug/l # | 80       |
| 42) 1,2-Dichloroethane         | 5.14  | 62   | 156746   | 21.326  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 7.12  | 43   | 135949   | 18.996  | ug/l # | 92       |
| 44) Trichloroethene            | 5.69  | 130  | 224355   | 21.658  | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 6.41  | 63   | 194708   | 20.926  | ug/l   | 93       |
| 46) Dibromomethane             | 6.27  | 93   | 116434   | 21.653  | ug/l   | 94       |
| 47) Bromodichloromethane       | 6.56  | 83   | 236217   | 21.160  | ug/l # | 98       |
| 48) Methyl methacrylate        | 6.88  | 41   | 74897    | 20.022  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 6.87  | 88   | 17368    | 362.506 | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone       | 8.41  | 43   | 530414   | 108.426 | ug/l   | 95       |
| 52) Toluene                    | 7.79  | 92   | 406998   | 21.055  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 8.43  | 75   | 189147   | 20.711  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 7.46  | 75   | 271653   | 21.249  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 8.64  | 97   | 118450   | 20.696  | ug/l   | 93       |
| 56) Ethyl methacrylate         | 8.76  | 69   | 141925   | 20.814  | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 9.00  | 76   | 168395   | 17.274  | ug/l   | 94       |
| 58) 2-Chloroethyl Vinyl ether  | 7.45  | 63   | 207900   | 93.670  | ug/l   | 97       |
| 59) 2-Hexanone                 | 9.62  | 43   | 332943   | 93.446  | ug/l   | 98       |
| 60) Dibromochloromethane       | 8.86  | 129  | 158512   | 21.250  | ug/l   | 92       |
| 61) 1,2-Dibromoethane          | 9.14  | 107  | 125141   | 20.585  | ug/l   | 90       |
| 64) Tetrachloroethene          | 8.31  | 164  | 174773   | 22.991  | ug/l   | 97       |
| 65) Chlorobenzene              | 9.94  | 112  | 417333   | 22.144  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.07 | 131  | 178944   | 23.652  | ug/l   | 91       |
| 67) Ethyl Benzene              | 10.04 | 91   | 776721   | 23.724  | ug/l   | 97       |
| 68) m/p-Xylenes                | 10.26 | 106  | 575428   | 46.763  | ug/l   | 88       |
| 69) o-Xylene                   | 10.82 | 106  | 273113   | 21.548  | ug/l   | 98       |
| 70) Styrene                    | 10.89 | 104  | 406523   | 21.102  | ug/l   | 98       |
| 71) Bromoform                  | 10.88 | 173  | 80861    | 21.339  | ug/l # | 84       |
| 73) Isopropylbenzene           | 11.22 | 105  | 742907   | 22.677  | ug/l   | 97       |
| 74) N-amyl acetate             | 11.45 | 43   | 196481   | 20.374  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.77 | 83   | 140771   | 21.026  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 11.87 | 75   | 93277    | 21.204  | ug/l   | 89       |
| 77) Bromobenzene               | 11.58 | 156  | 173885   | 21.353  | ug/l   | 94       |
| 78) n-propylbenzene            | 11.67 | 91   | 861226   | 22.213  | ug/l   | 93       |
| 79) 2-Chlorotoluene            | 11.80 | 91   | 492029   | 22.519  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.90 | 105  | 581486   | 22.136  | ug/l   | 94       |
| 81) trans-1,4-Dichloro-2-buten | 11.94 | 75   | 41409m   | 21.177  | ug/l   |          |
| 82) 4-Chlorotoluene            | 11.98 | 91   | 459591   | 21.330  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.19 | 119  | 624748   | 23.442  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 12.27 | 105  | 569814   | 22.412  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 12.37 | 105  | 792088   | 22.146  | ug/l   | 95       |
| 86) p-Isopropyltoluene         | 12.52 | 119  | 687180   | 22.798  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene        | 12.54 | 146  | 318172   | 21.596  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.63 | 146  | 303348   | 21.941  | ug/l   | 96       |
| 89) n-Butylbenzene             | 12.89 | 91   | 712137   | 23.963  | ug/l   | 88       |
| 90) Hexachloroethane           | 12.97 | 117  | 176192   | 24.367  | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene        | 13.00 | 146  | 300332   | 22.869  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.69 | 75   | 21555    | 26.988  | ug/l   | 86       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052119\  
Data File : VF062678.D  
Acq On : 21 May 2019 12:39  
Operator : FY/SY  
Sample : VF0521SBSD01  
Misc : 5.00g/5mL/MSVOA F/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0521SBSD01

Manual Integrations  
APPROVED

MMDadoda  
5/22/2019 4:20:58 PM

Quant Time: May 22 04:08:44 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 | 14.25 | 180  | 213065   | 22.666 | ug/l  | 95       |
| 94) Hexachlorobutadiene    | 14.23 | 225  | 156666   | 23.881 | ug/l  | 91       |
| 95) Naphthalene            | 14.49 | 128  | 342289   | 20.043 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.64 | 180  | 196571   | 22.076 | ug/l  | 98       |

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

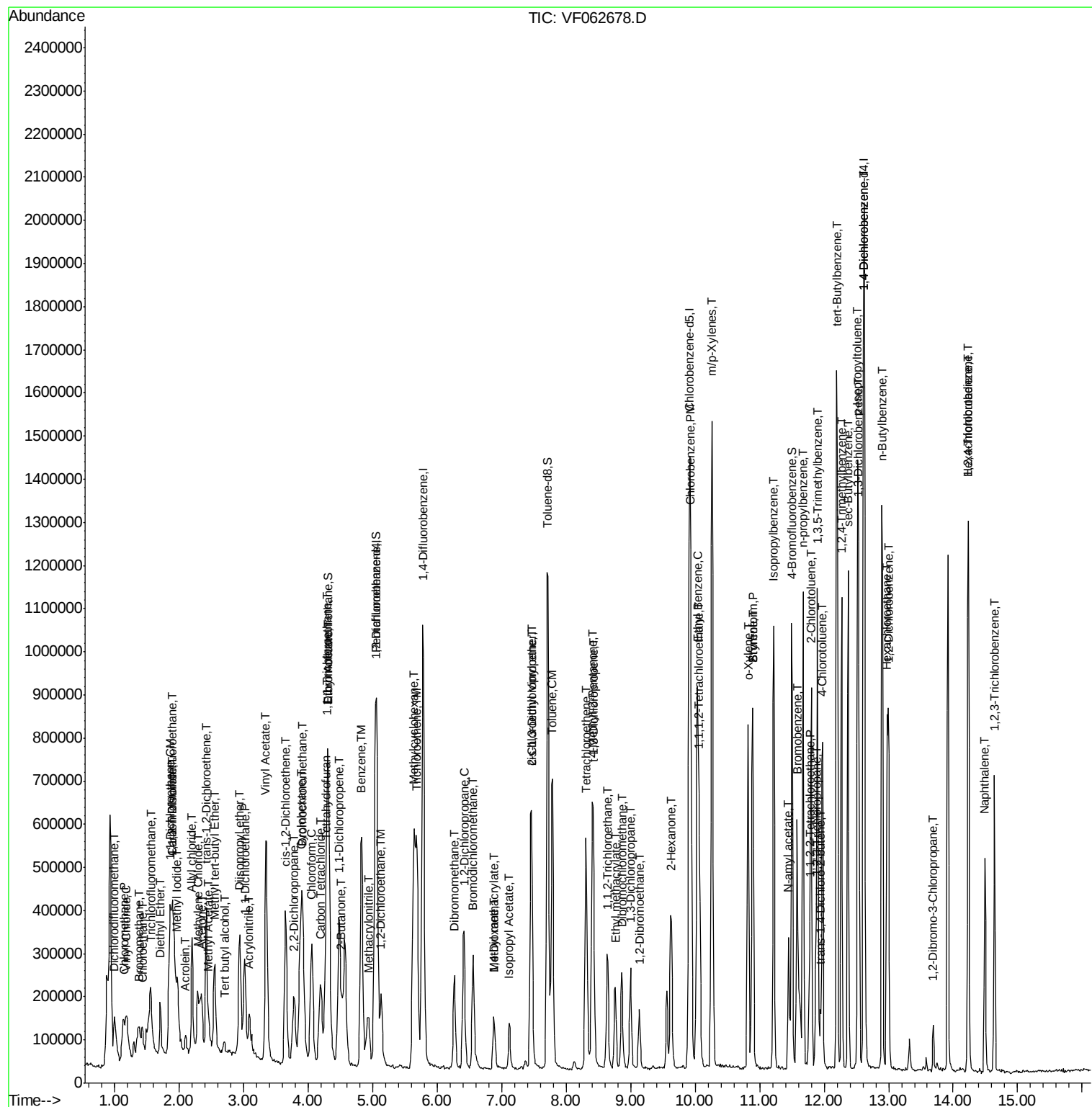
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 Data File : VF062678.D  
 Acq On : 21 May 2019 12:39  
 Operator : FY/SY  
 Sample : VF0521SBSD01  
 Misc : 5.00µ/5mL/MSVOA F/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

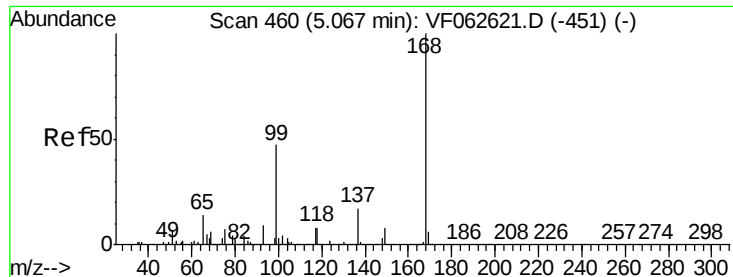
Instrument :  
 MSVOA\_F  
 Client Sample Id :  
 VF0521SBSD01

Manual Integrations  
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MMDadoda  
 5/22/2019 4:20:58 PM

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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F051619S.M  
 Quant Title : SW846 8260  
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

ClientSampleId :

VF0521SBSD01

Tot Ion:168 Resp: 805531

Ion Ratio Lower Upper

168 100

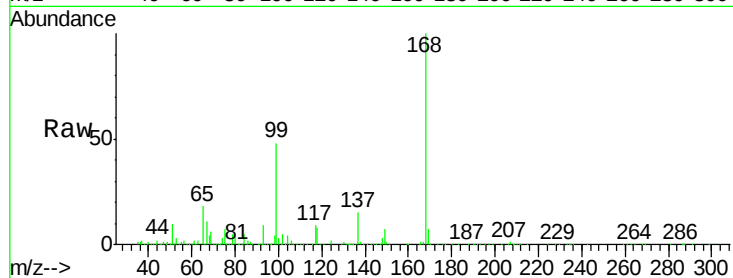
99 48.2 37.8 56.8

Manual Integrations

APPROVED

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5/22/2019 4:20:58 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

250000

200000

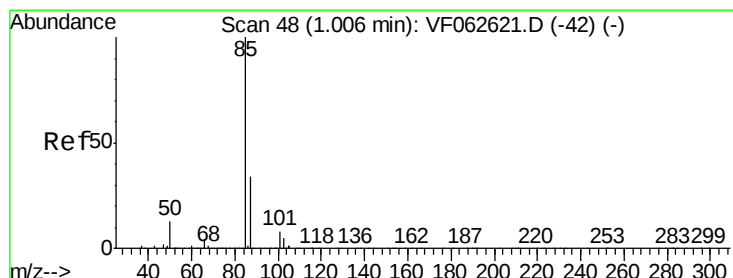
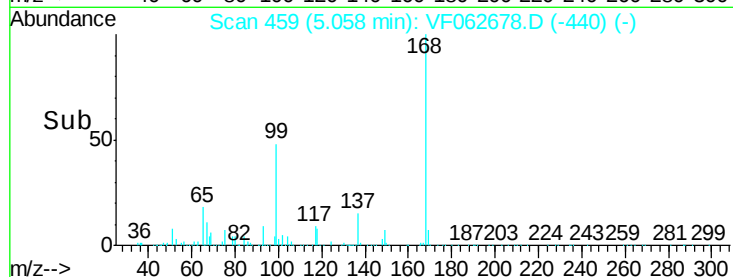
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.462 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062678.D

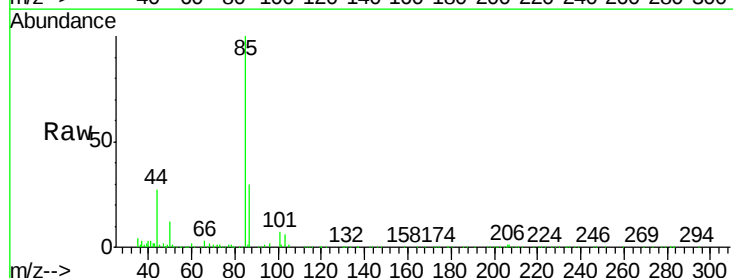
Acq: 21 May 2019 12:39

Tgt Ion: 85 Resp: 202380

Ion Ratio Lower Upper

85 100

87 29.7 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

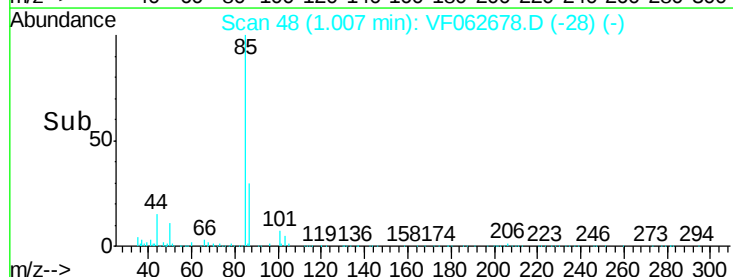
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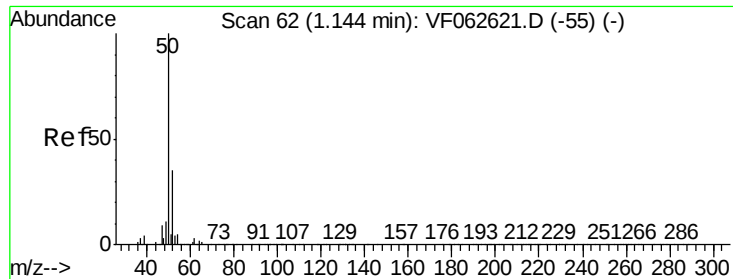
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20000

0

Time-->





#3

Chloromethane

Concen: 19.108 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

ClientSampleId :

VF0521SBS01

Tot Ion: 50 Resp: 192872

Ion Ratio Lower Upper

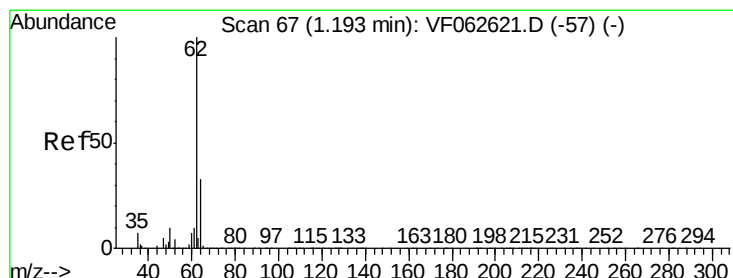
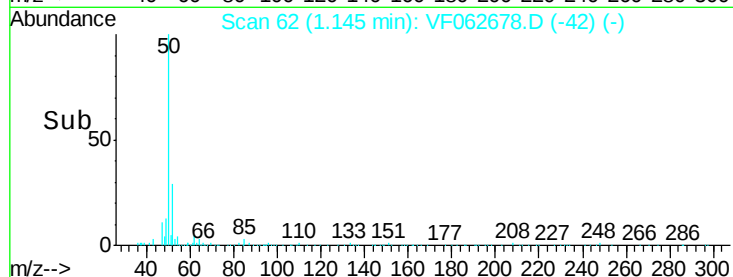
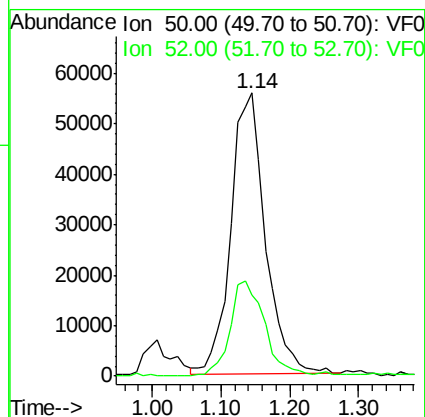
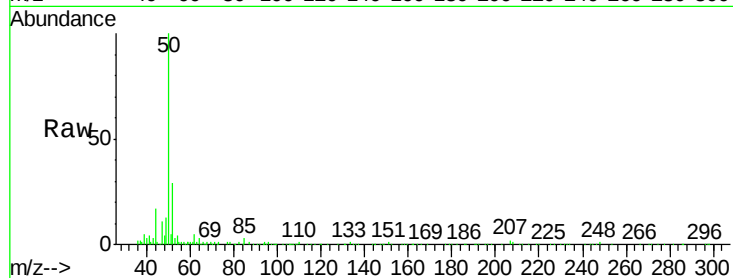
50 100

52 28.7 27.5 41.3

Manual Integrations  
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5/22/2019 4:20:58 PM



#4

Vinyl Chloride

Concen: 20.413 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062678.D

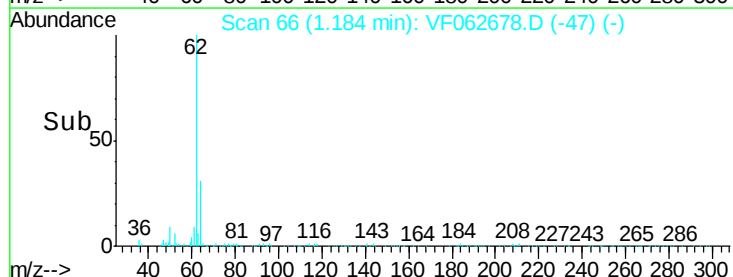
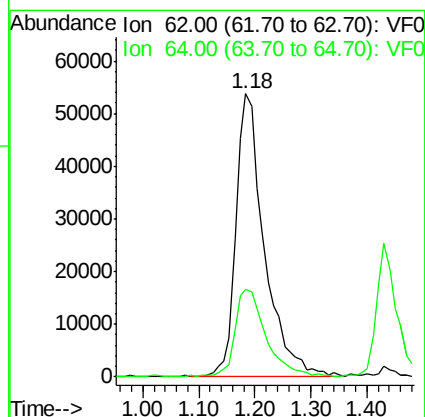
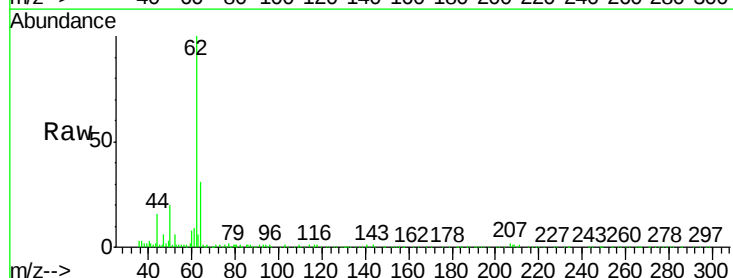
Acq: 21 May 2019 12:39

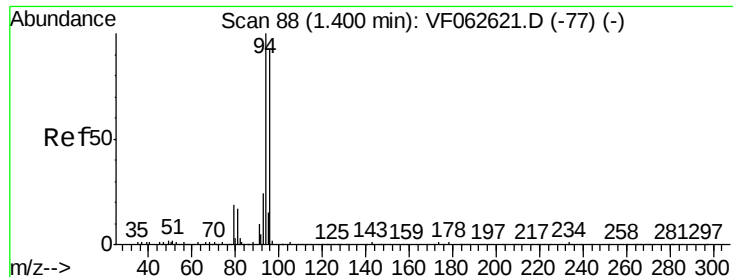
Tgt Ion: 62 Resp: 189660

Ion Ratio Lower Upper

62 100

64 30.7 26.7 40.1





#5

Bromomethane

Concen: 20.072 ug/l

RT: 1.37 min Scan# 85

Delta R.T. -0.03 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

ClientSampleId :

VF0521SBS01

Tot Ion: 94 Resp: 102022

Ion Ratio Lower Upper

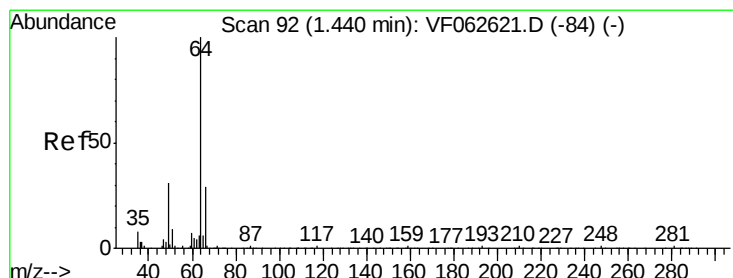
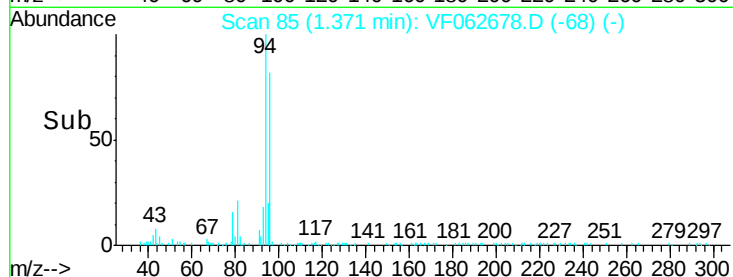
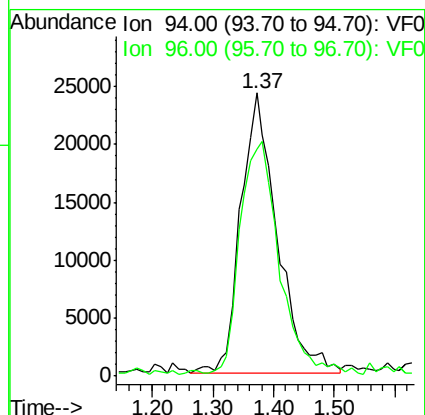
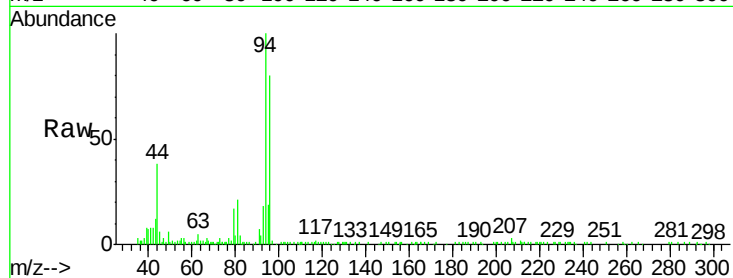
94 100

96 80.4 73.2 109.8

Manual Integrations  
APPROVED

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5/22/2019 4:20:58 PM



#6

Chloroethane

Concen: 18.752 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF062678.D

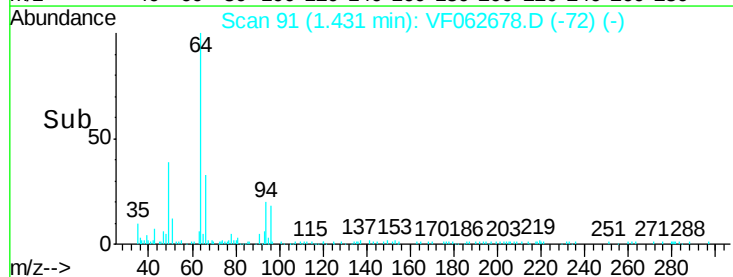
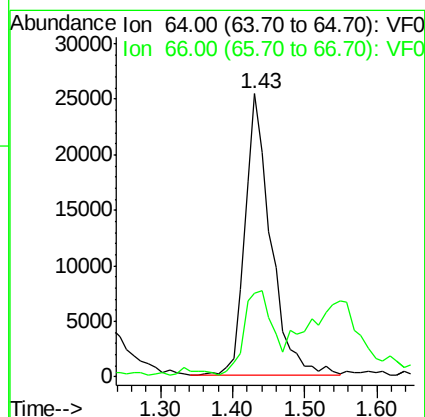
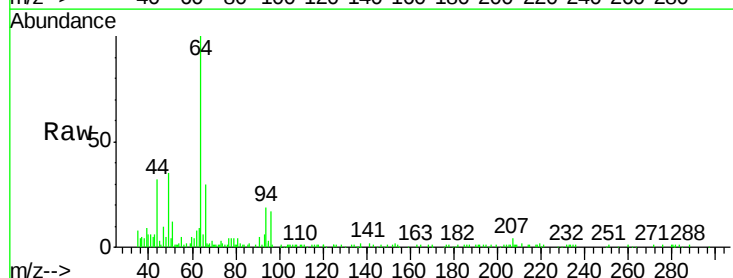
Acq: 21 May 2019 12:39

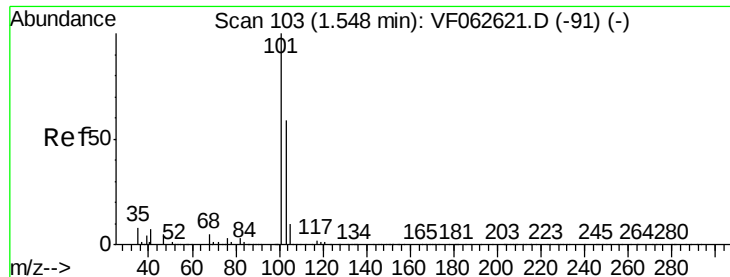
Tgt Ion: 64 Resp: 63987

Ion Ratio Lower Upper

64 100

66 29.8 23.4 35.2





#7

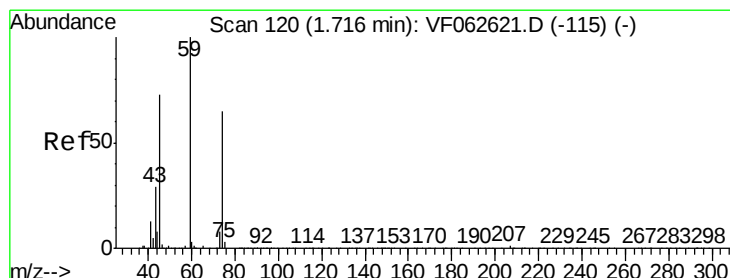
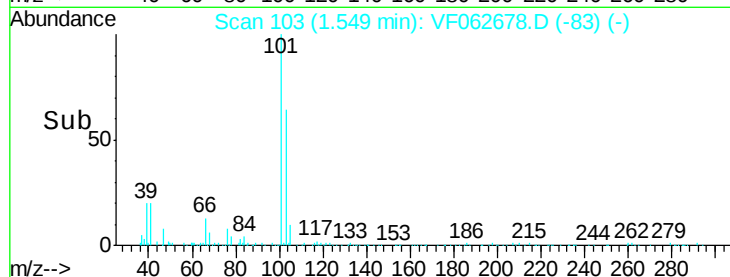
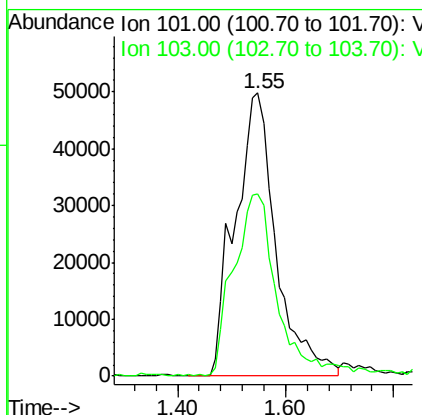
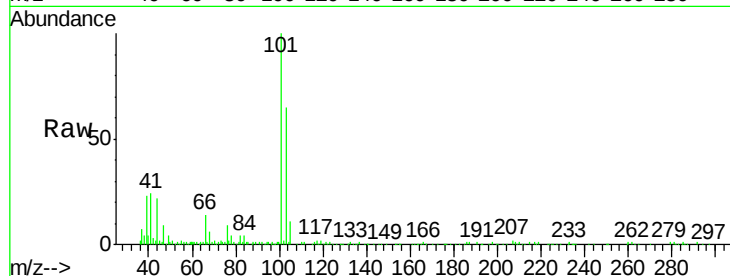
Trichlorofluoromethane  
Concen: 21.077 ug/l  
RT: 1.55 min Scan# 103  
Delta R.T. 0.00 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0521SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.6  | 47.3  | 70.9  |

Manual Integrations  
APPROVED

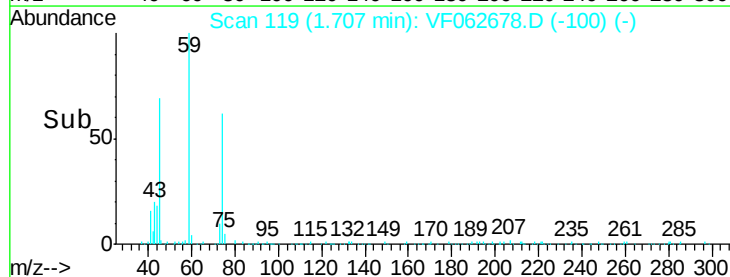
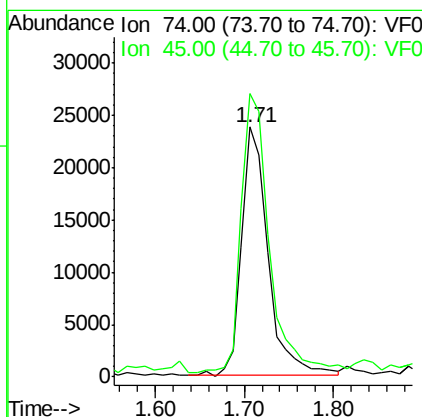
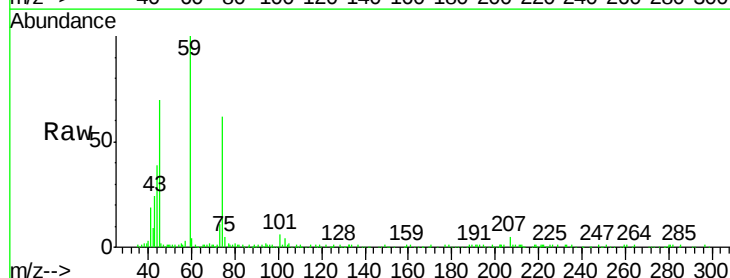
MMDadoda  
5/22/2019 4:20:58 PM

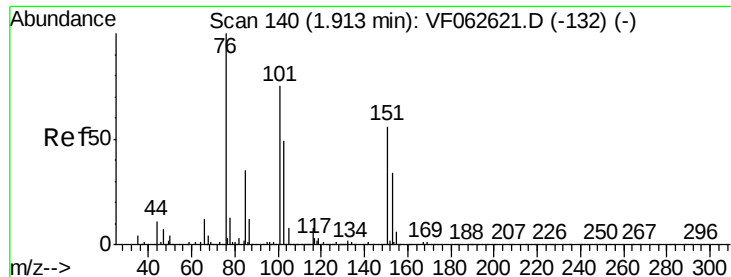


#8

Diethyl Ether  
Concen: 19.888 ug/l  
RT: 1.71 min Scan# 119  
Delta R.T. -0.01 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 113.3 | 57.0  | 170.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.441 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

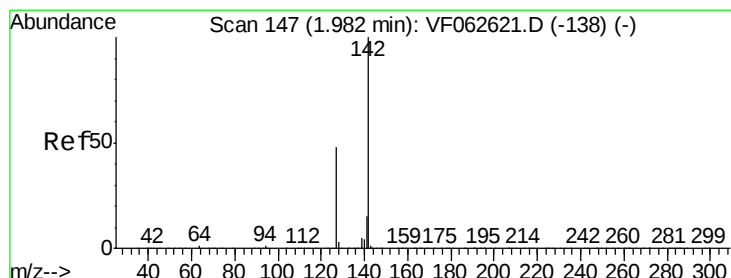
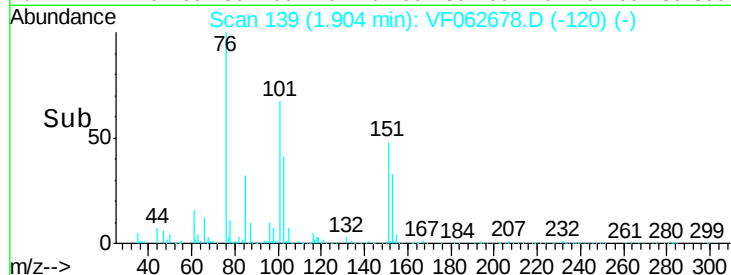
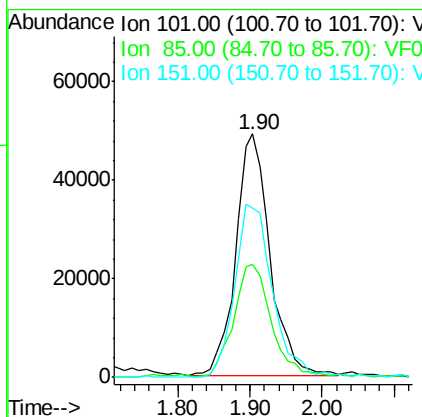
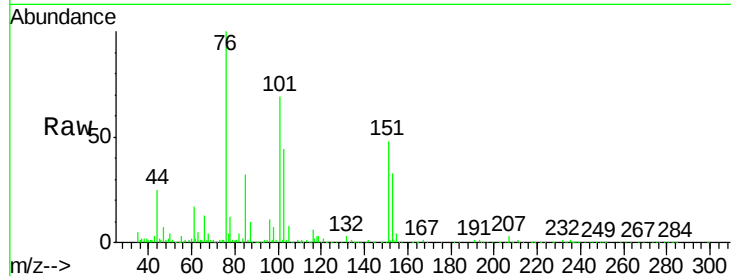
ClientSampleId :

VF0521SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 162379 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 46.4  | 37.1  | 55.7   |
| 151       | 69.7  | 58.8  | 88.2   |

Manual Integrations  
APPROVED

MMDadoda  
5/22/2019 4:20:58 PM



#10

Methyl Iodide

Concen: 21.300 ug/l

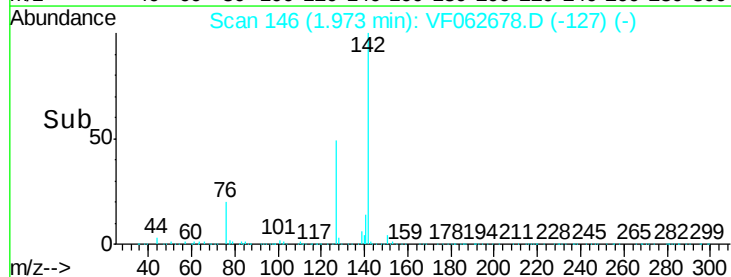
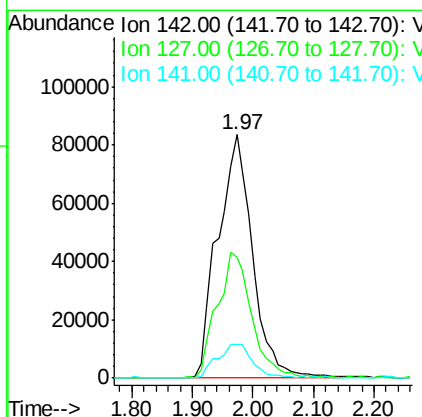
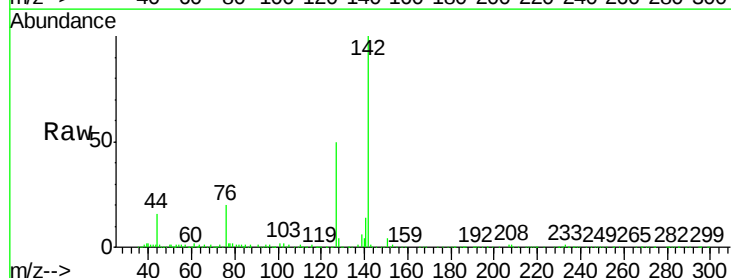
RT: 1.97 min Scan# 146

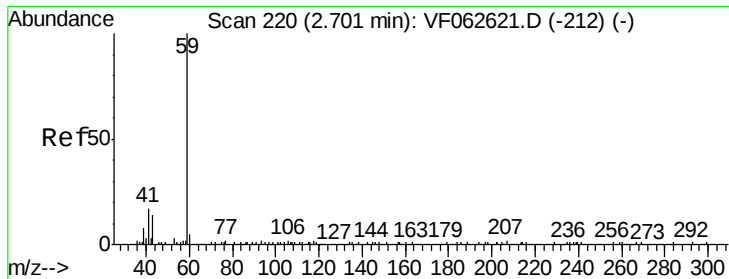
Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 332376 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 49.5  | 38.1  | 57.1   |
| 141       | 13.9  | 11.7  | 17.5   |





#11

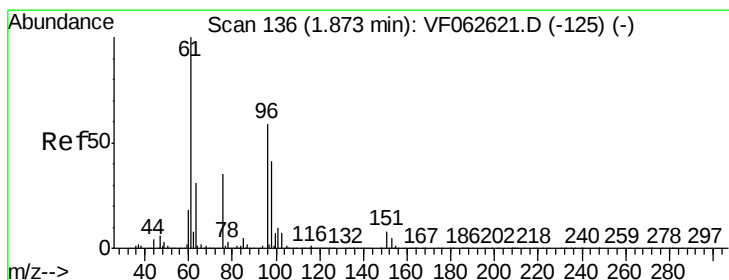
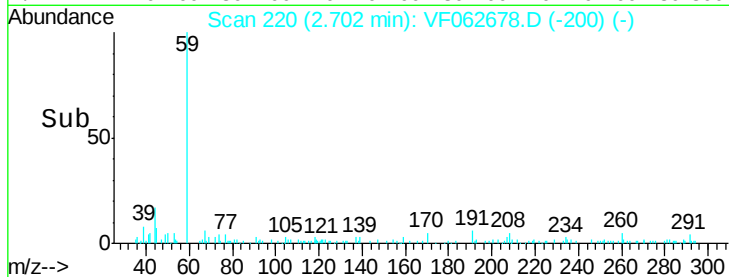
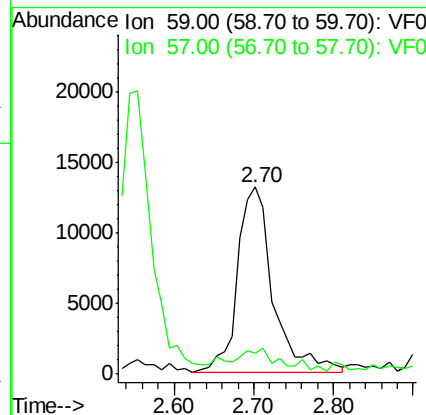
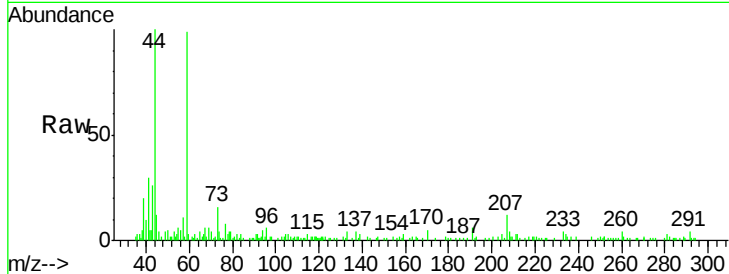
Tert butyl alcohol  
 Concen: 108.143 ug/l  
 RT: 2.70 min Scan# 220  
 Delta R.T. 0.00 min  
 Lab File: VF062678.D  
 Acq: 21 May 2019 12:39

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0521SBS01

| Tot Ion   | 59   | Resp  | 40641 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 11.1 | 9.3   | 13.9  |

Manual Integrations  
 APPROVED

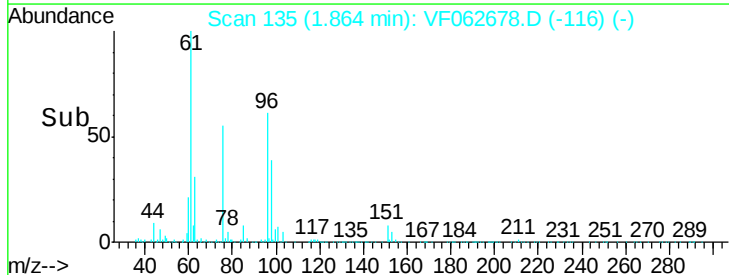
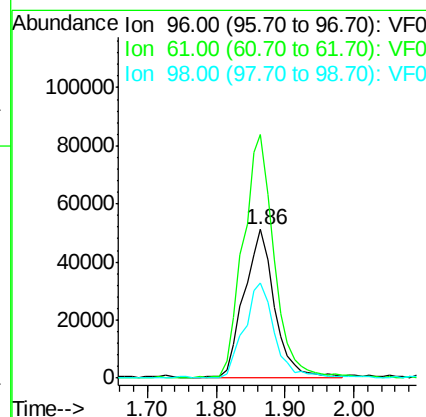
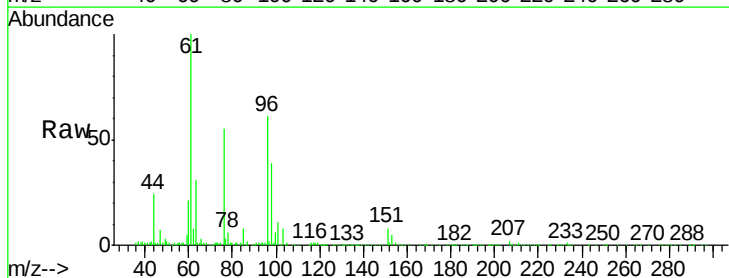
MMDadoda  
 5/22/2019 4:20:58 PM

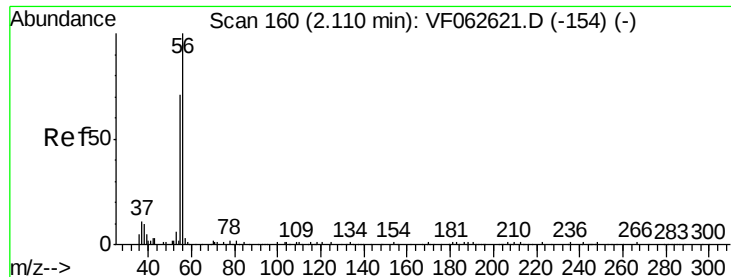


#12

1,1-Dichloroethene  
 Concen: 21.557 ug/l  
 RT: 1.86 min Scan# 135  
 Delta R.T. -0.01 min  
 Lab File: VF062678.D  
 Acq: 21 May 2019 12:39

| Tgt Ion   | 96    | Resp  | 155990 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 164.1 | 134.3 | 201.5  |
| 98        | 63.8  | 55.0  | 82.6   |





#13

Acrolein

Concen: 100.940 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

ClientSampleId :

VF0521SBS01

Tot Ion: 56 Resp: 39598

Ion Ratio Lower Upper

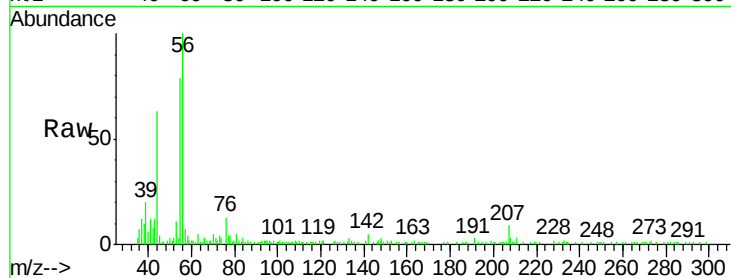
56 100

55 79.0 59.4 89.0

Manual Integrations  
APPROVED

MMDadoda

5/22/2019 4:20:58 PM



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.10

20000

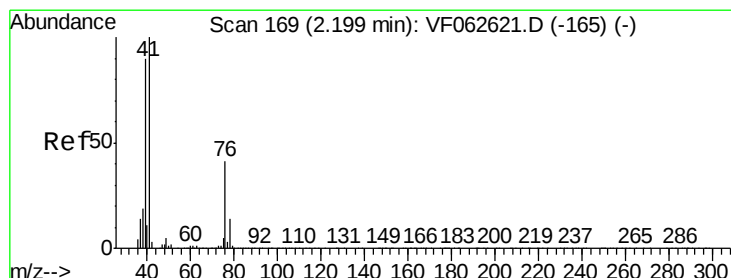
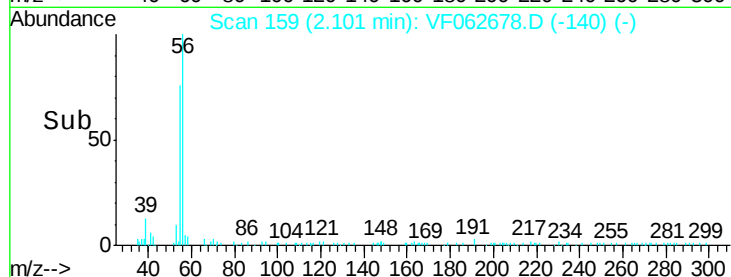
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 26.100 ug/l m

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

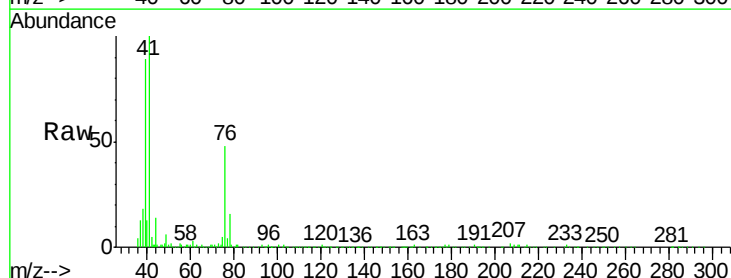
Tgt Ion: 41 Resp: 170935

Ion Ratio Lower Upper

41 100

39 89.4 72.0 108.0

76 48.1 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

2.20

100000

80000

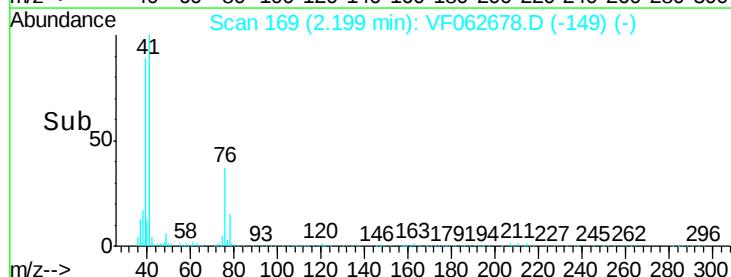
60000

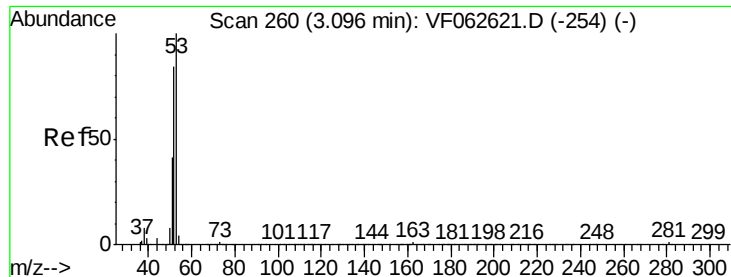
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 103.218 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

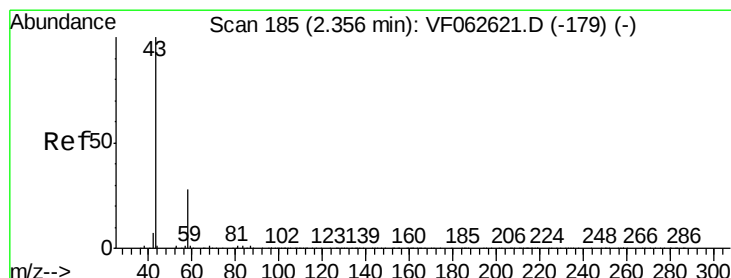
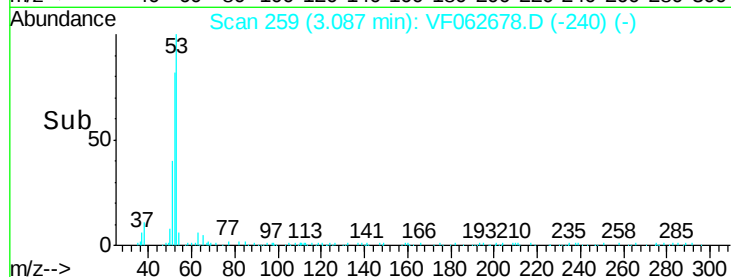
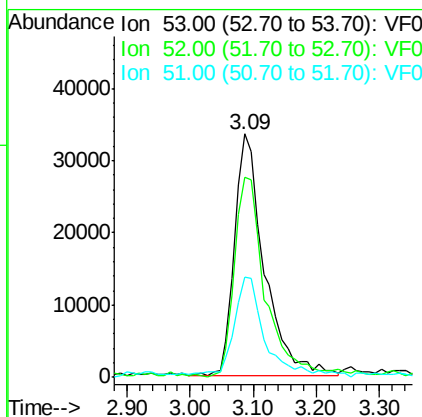
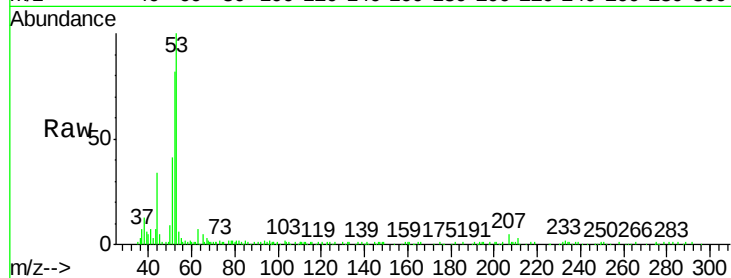
ClientSampleId :

VF0521SBS01

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 109420 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 82.3 | 67.3  | 100.9  |
| 51        | 41.3 | 33.0  | 49.6   |

Manual Integrations  
APPROVED

MMDadoda  
5/22/2019 4:20:58 PM



#16

Acetone

Concen: 86.261 ug/l

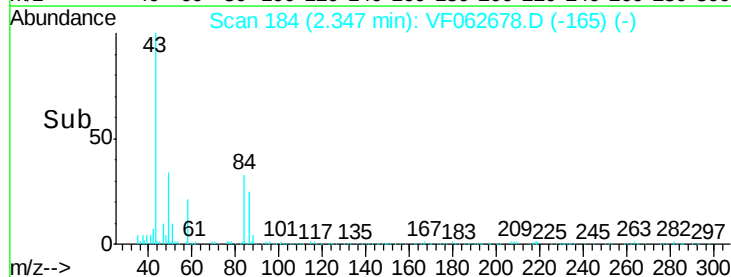
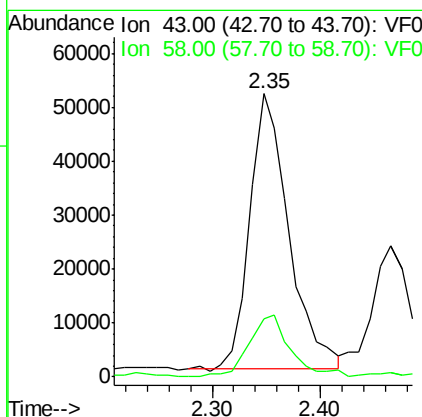
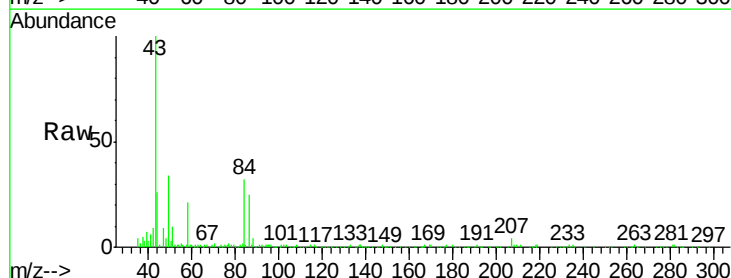
RT: 2.35 min Scan# 184

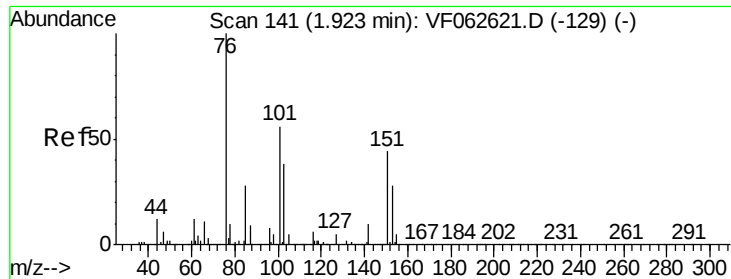
Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 127387 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 20.6 | 22.6  | 33.8#  |





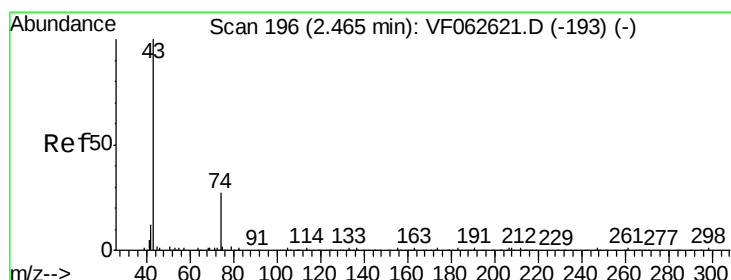
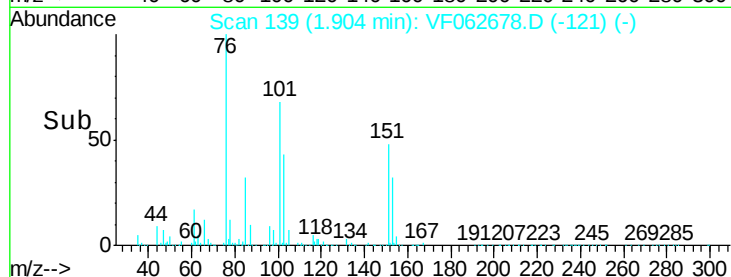
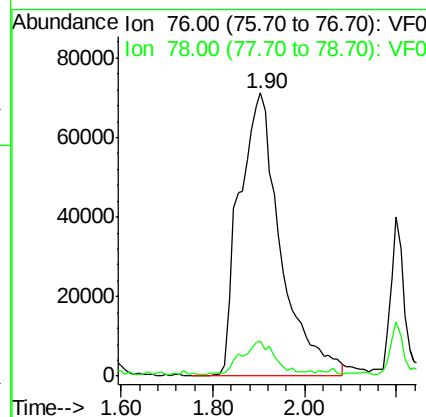
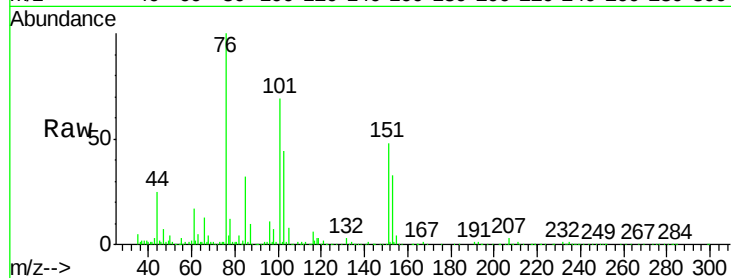
#17  
Carbon Disulfide  
Concen: 20.919 ug/l  
RT: 1.90 min Scan# 139  
Delta R.T. -0.02 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0521SBS01

Tot Ion: 76 Resp: 448669  
Ion Ratio Lower Upper  
76 100  
78 12.4 8.4 12.6

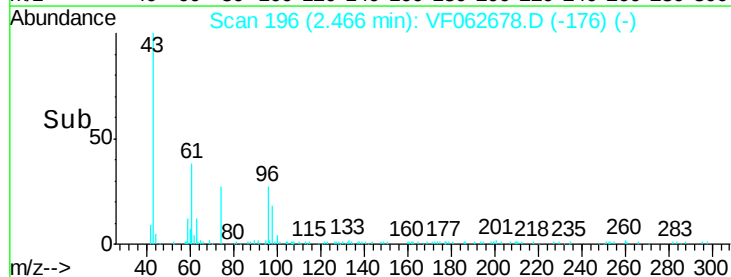
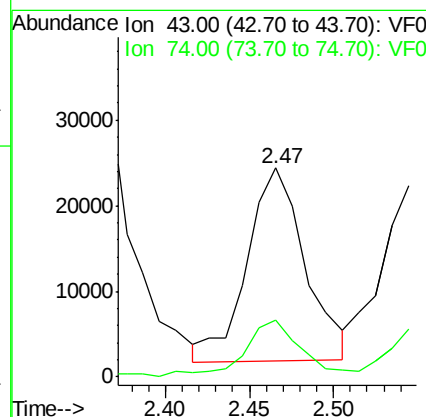
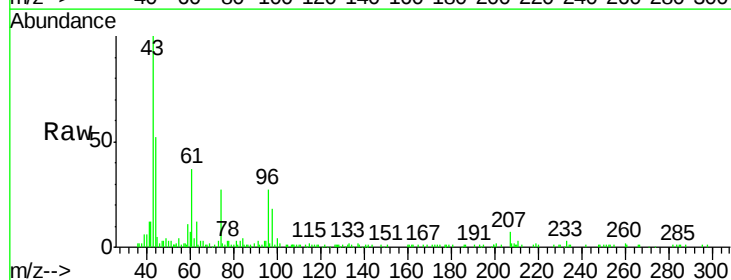
Manual Integrations  
APPROVED

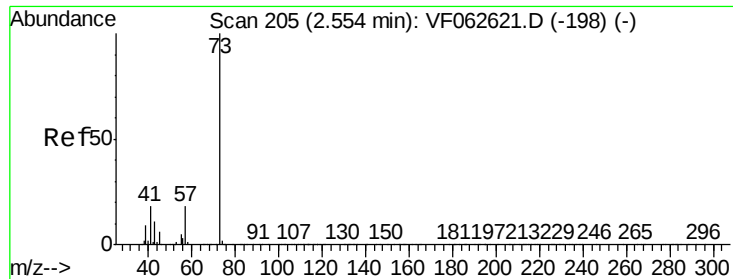
MMDadoda  
5/22/2019 4:20:58 PM



#18  
Methyl Acetate  
Concen: 23.339 ug/l  
RT: 2.47 min Scan# 196  
Delta R.T. 0.00 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

Tgt Ion: 43 Resp: 54161  
Ion Ratio Lower Upper  
43 100  
74 27.3 18.9 28.3





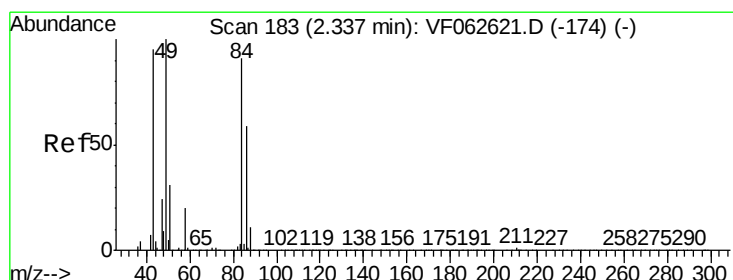
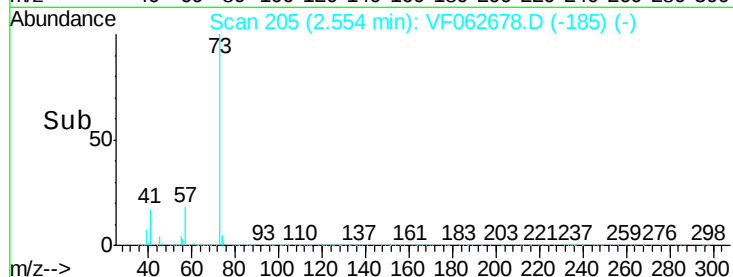
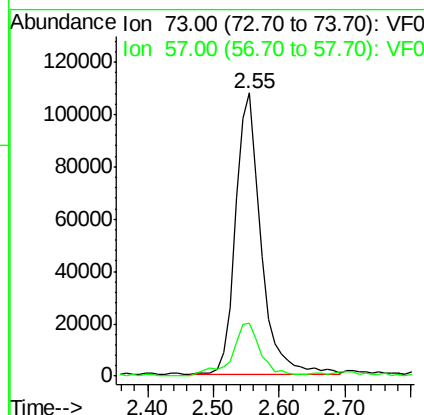
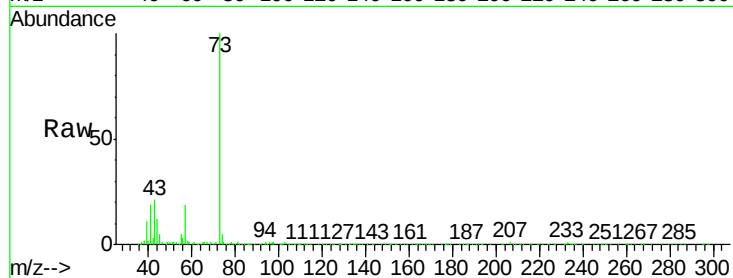
#19  
Methvl tert-butvl Ether  
Concen: 22.366 ug/l  
RT: 2.55 min Scan# 205  
Delta R.T. 0.00 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0521SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 18.6  | 14.2  | 21.4  |

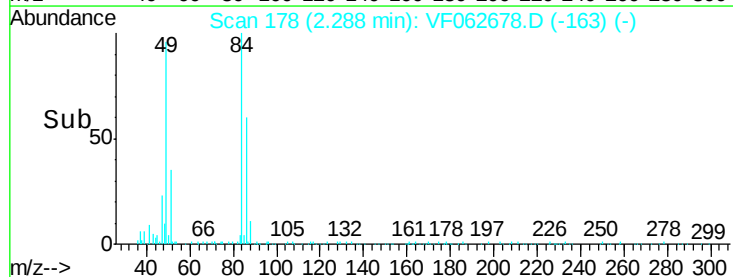
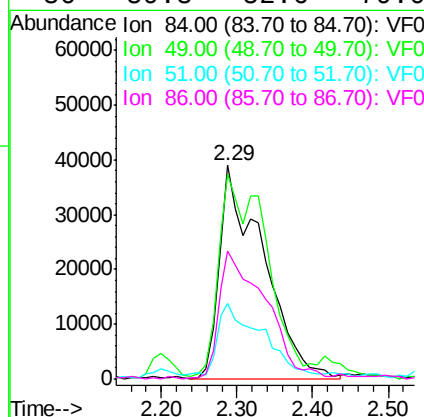
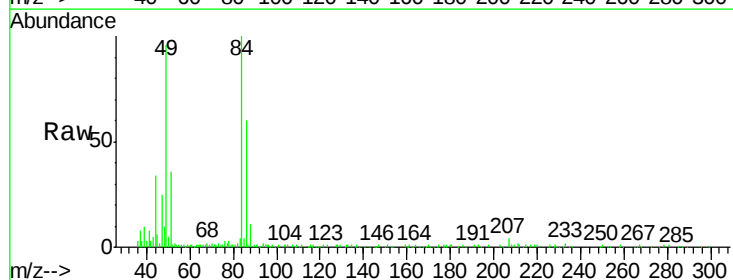
Manual Integrations  
APPROVED

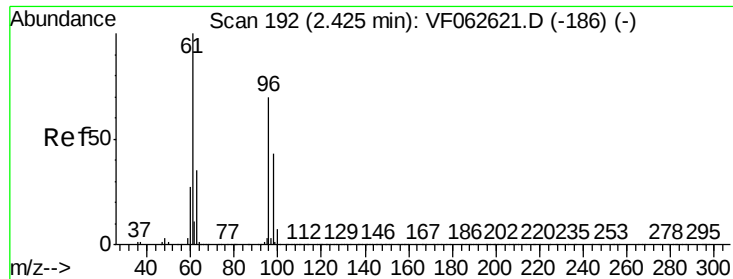
MMDadoda  
5/22/2019 4:20:58 PM



#20  
Methylene Chloride  
Concen: 21.307 ug/l  
RT: 2.29 min Scan# 178  
Delta R.T. -0.05 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 95.7  | 89.8  | 134.8 |
| 51      | 35.6  | 28.4  | 42.6  |
| 86      | 59.8  | 52.6  | 79.0  |





#21

trans-1,2-Dichloroethene

Concen: 22.846 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

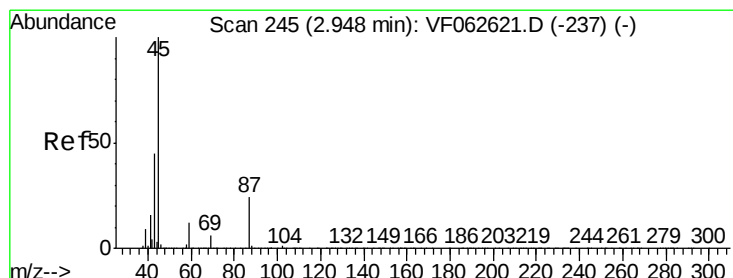
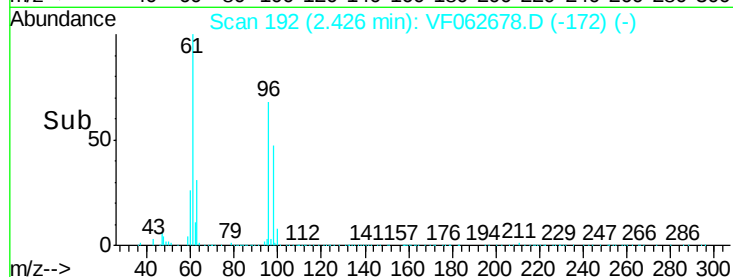
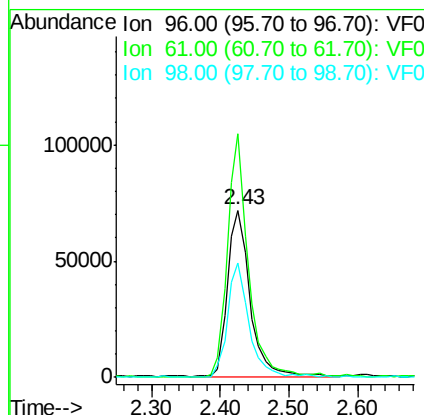
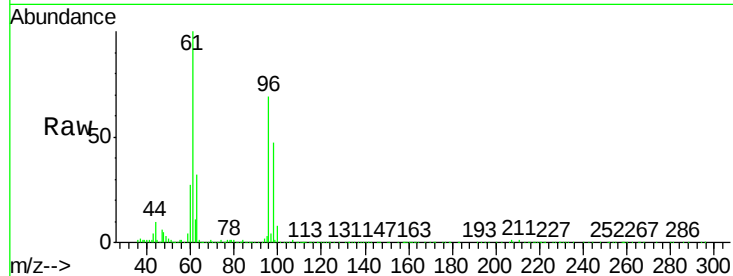
ClientSampleId :

VF0521SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 161585 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 145.4 | 114.6 | 171.8  |
| 98        | 68.5  | 49.5  | 74.3   |

Manual Integrations  
APPROVED

MMDadoda  
5/22/2019 4:20:58 PM



#22

Diisopropyl ether

Concen: 21.447 ug/l

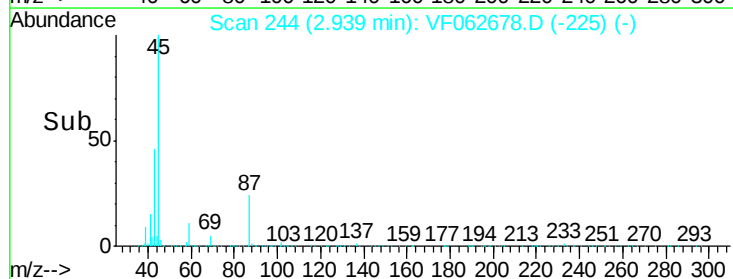
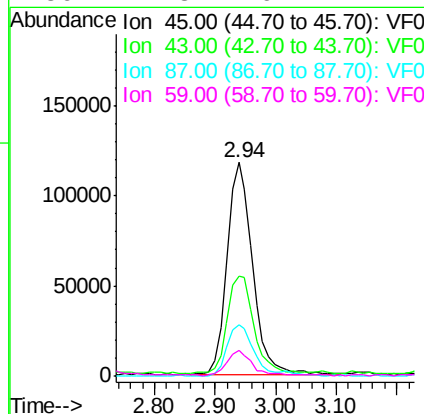
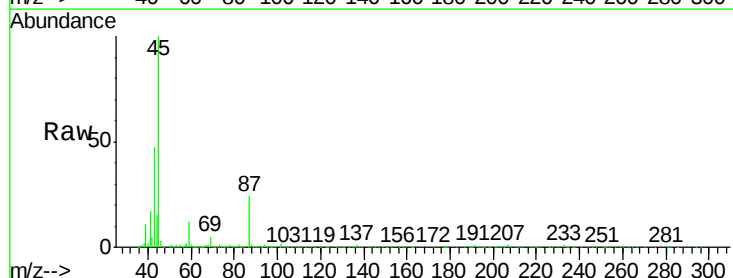
RT: 2.94 min Scan# 244

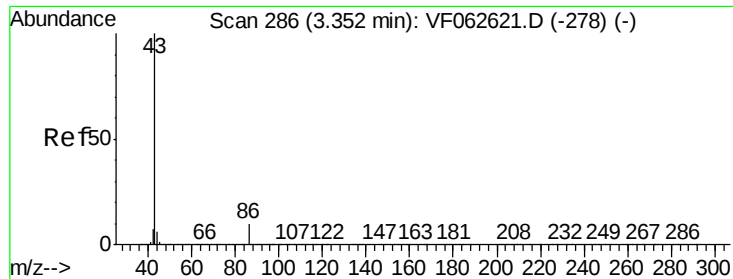
Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 346438 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 43        | 47.0  | 36.4  | 54.6   |
| 87        | 24.0  | 19.3  | 28.9   |
| 59        | 12.3  | 9.4   | 14.2   |





#23

Vinyl Acetate

Concen: 106.034 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

ClientSampleId :

VF0521SBS01

Tot Ion: 43 Resp: 1155383

Ion Ratio Lower Upper

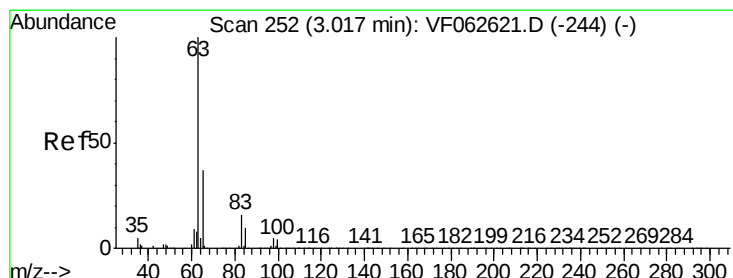
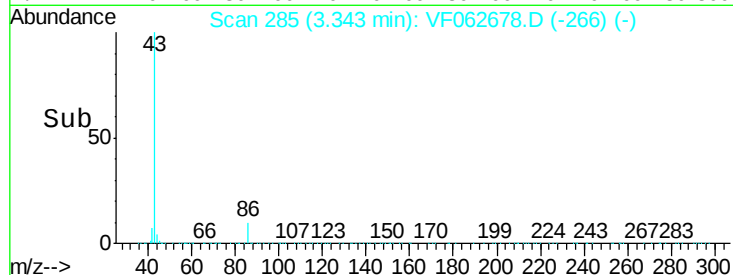
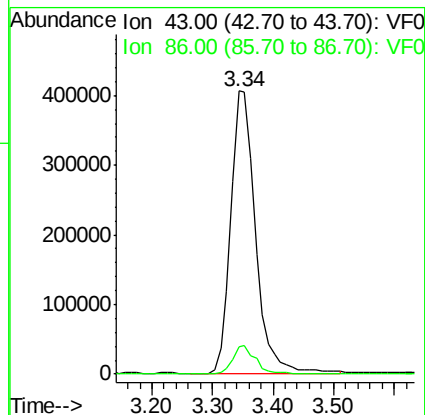
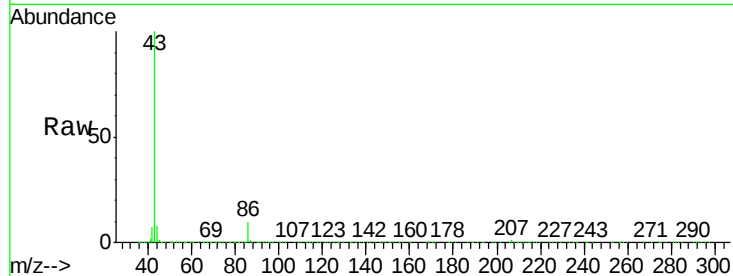
43 100

86 9.7 8.2 12.2

Manual Integrations  
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#24

1,1-Dichloroethane

Concen: 21.417 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

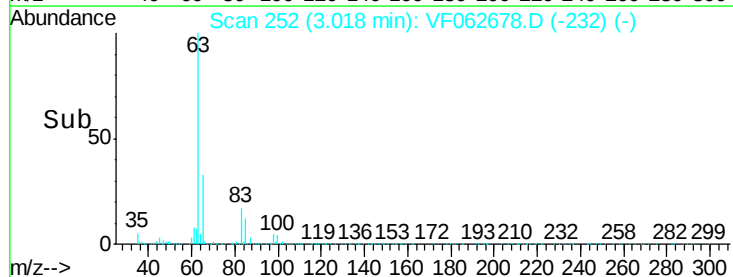
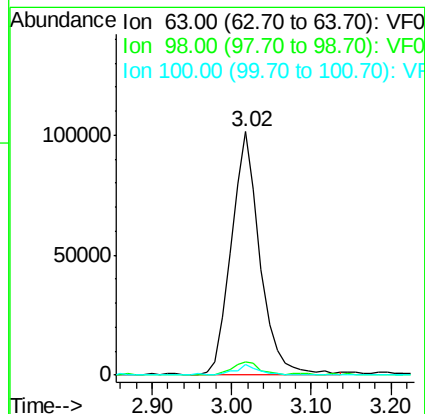
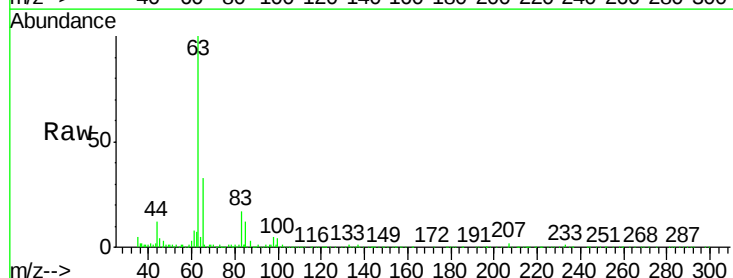
Tgt Ion: 63 Resp: 253788

Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.3

100 4.3 1.9 5.7





#25

2-Butanone

Concen: 100.685 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Tot Ion: 43 Resp: 317669

Ion Ratio Lower Upper

43 100

72 25.5 20.1 30.1

Instrument :

MSVOA\_F

ClientSampleId :

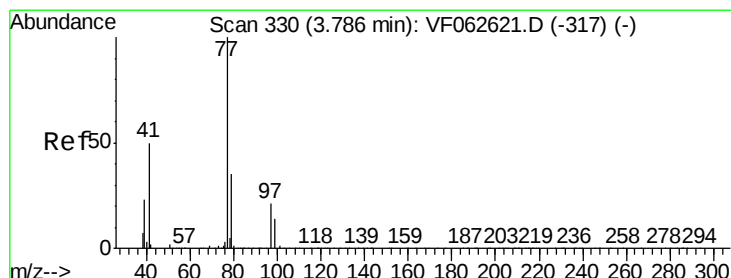
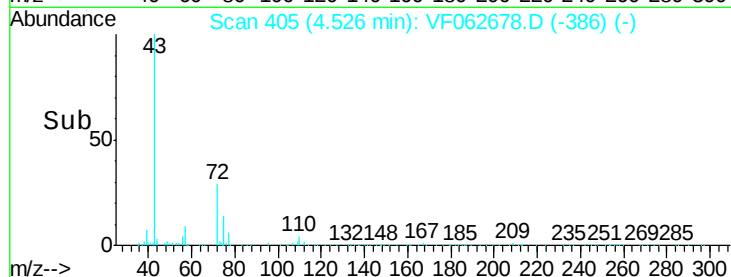
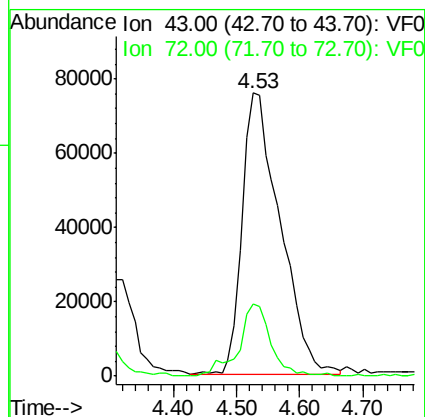
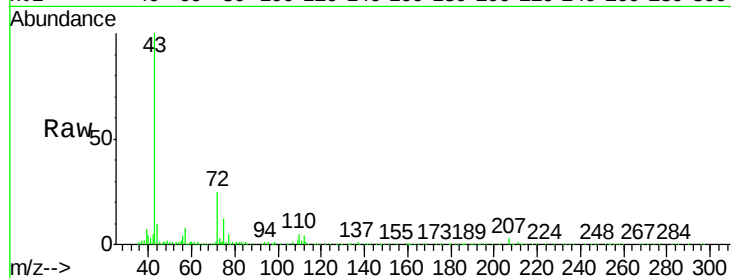
VF0521SBS01

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 26.644 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.01 min

Lab File: VF062678.D

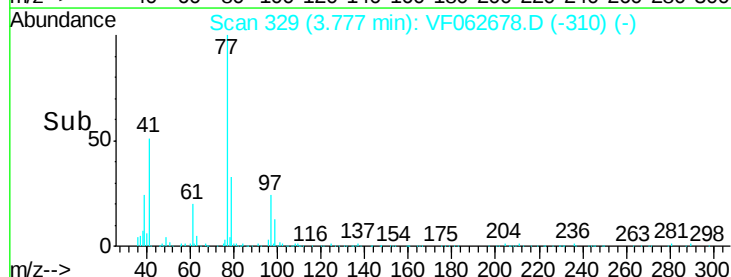
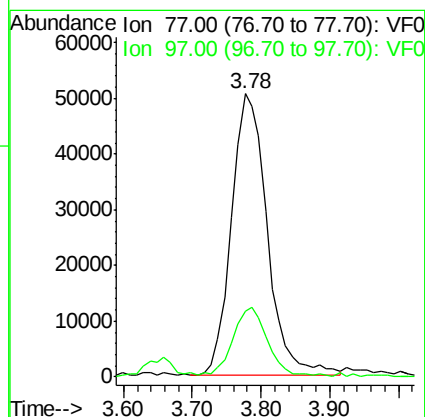
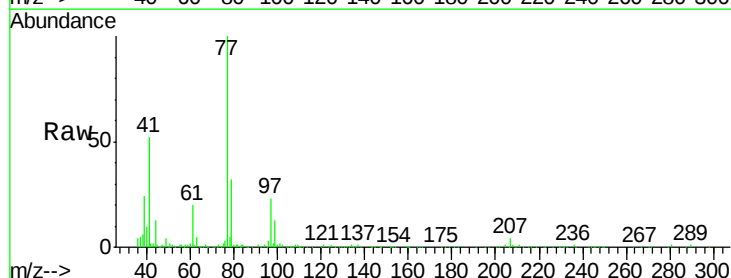
Acq: 21 May 2019 12:39

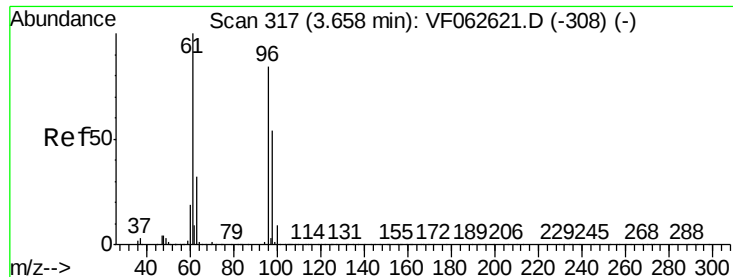
Tgt Ion: 77 Resp: 180648

Ion Ratio Lower Upper

77 100

97 23.4 14.1 42.4





#27

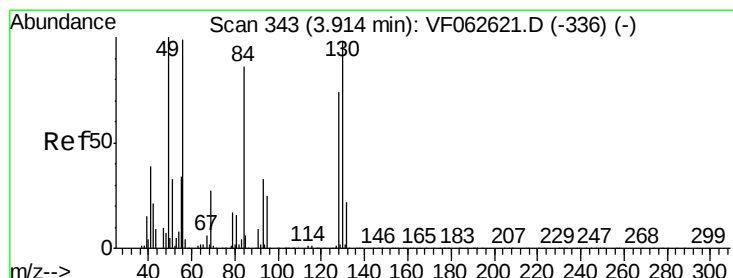
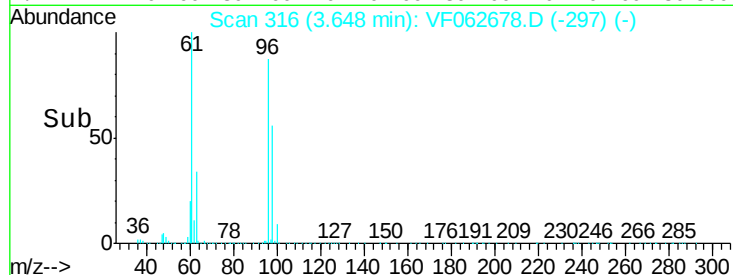
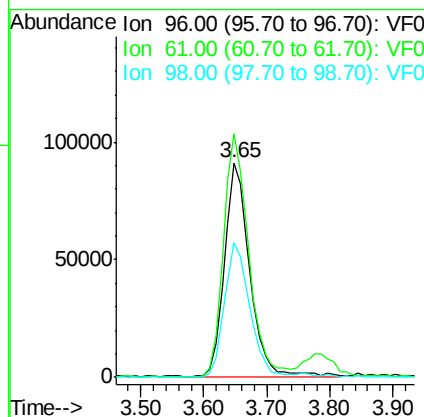
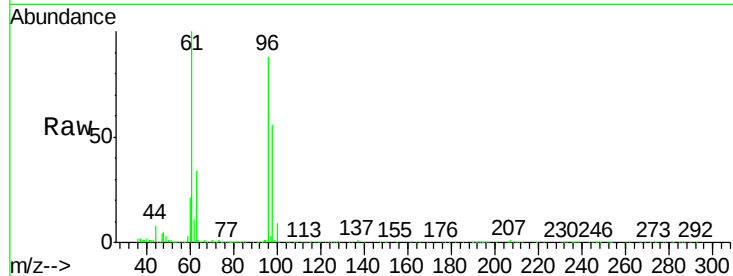
cis-1,2-Dichloroethene  
Concen: 21.598 ug/l  
RT: 3.65 min Scan# 316  
Delta R.T. -0.01 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0521SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 251282 |       |       |
| 61      | 113.5 | 0.0    | 237.4 |       |
| 98      | 63.0  | 0.0    | 129.0 |       |

Manual Integrations  
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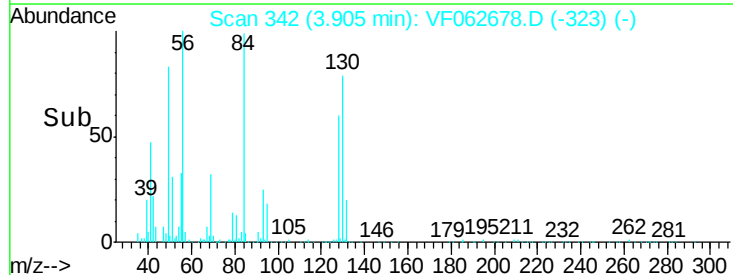
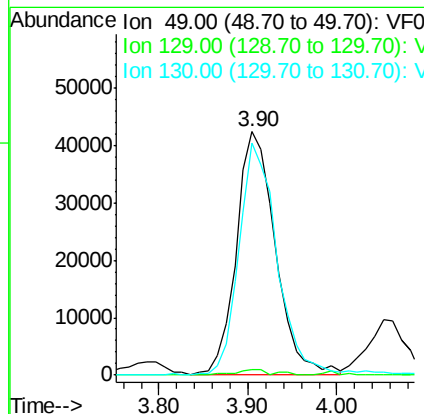
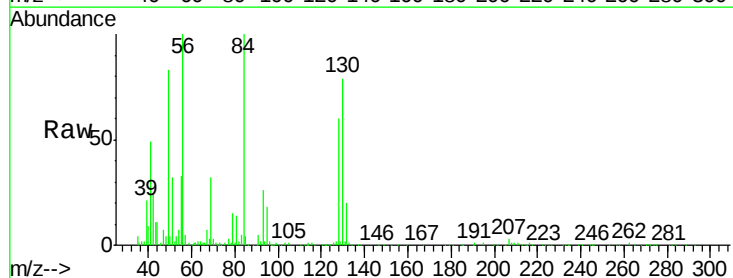
MMDadoda  
5/22/2019 4:20:58 PM

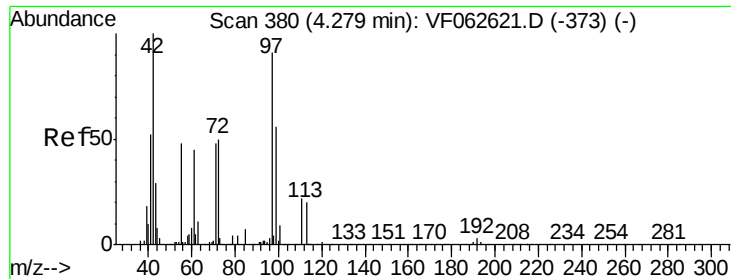


#28

Bromochloromethane  
Concen: 19.342 ug/l  
RT: 3.90 min Scan# 342  
Delta R.T. -0.01 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 128547 |       |       |
| 129     | 2.2   | 0.0    | 4.0   |       |
| 130     | 95.1  | 77.8   | 116.8 |       |





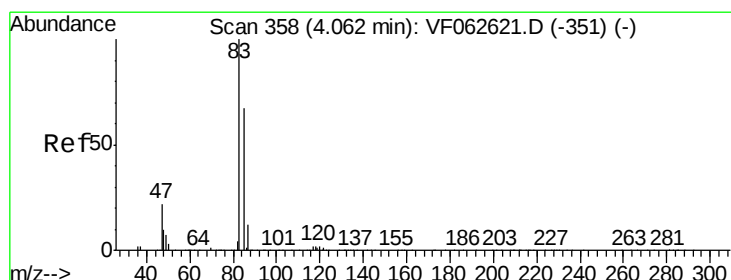
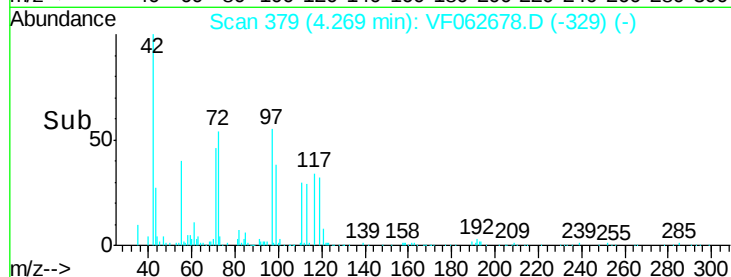
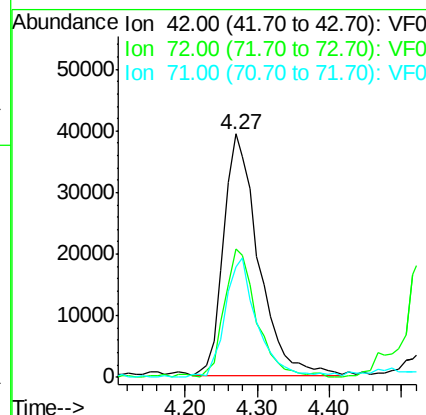
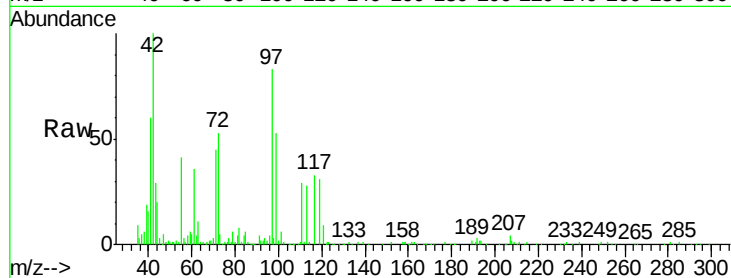
#29  
Tetrahydrofuran  
Concen: 102.850 ug/l  
RT: 4.27 min Scan# 379  
Delta R.T. -0.01 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0521SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 42      | 100   | 131315 |       |       |
| 72      | 48.8  |        | 38.2  | 57.2  |
| 71      | 45.3  |        | 35.8  | 53.6  |

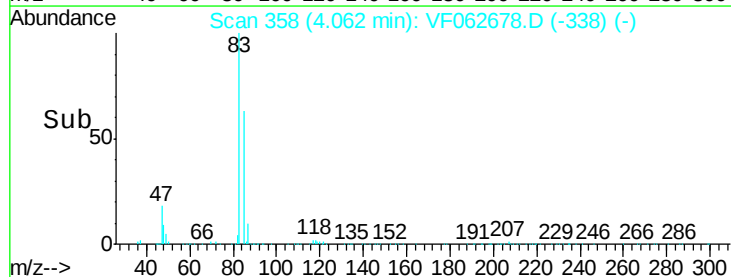
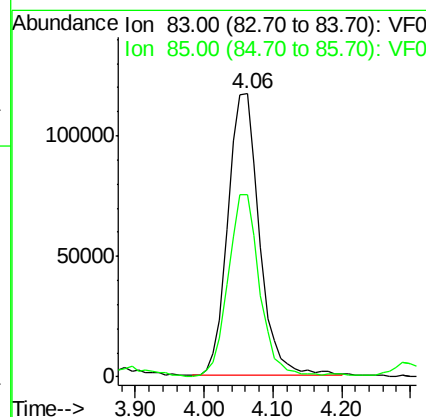
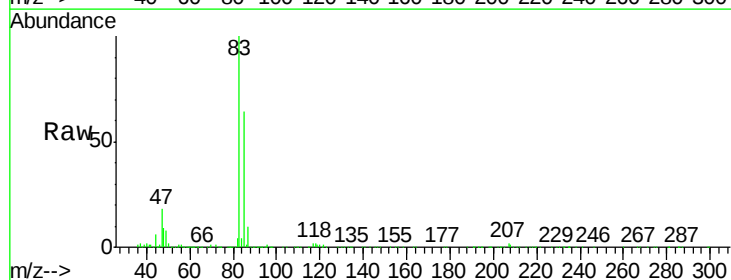
Manual Integrations  
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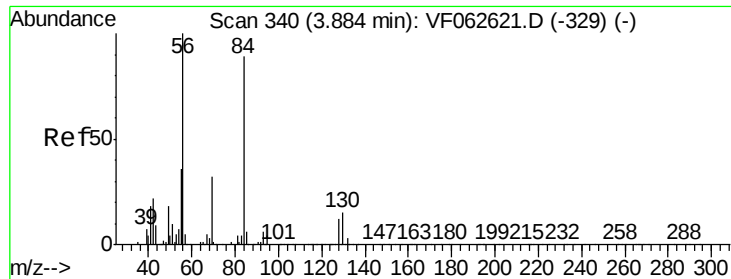
MMDadoda  
5/22/2019 4:20:58 PM



#30  
Chloroform  
Concen: 22.648 ug/l  
RT: 4.06 min Scan# 358  
Delta R.T. 0.00 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 372606 |       |       |
| 85      | 64.3  |        | 53.6  | 80.4  |





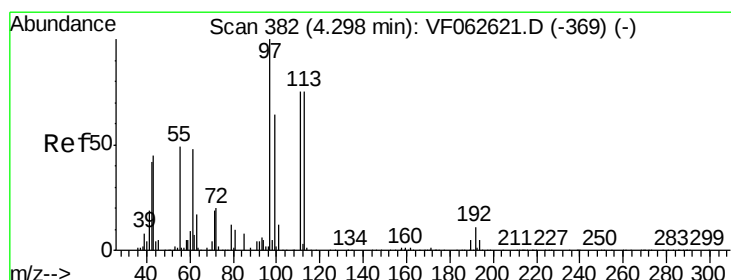
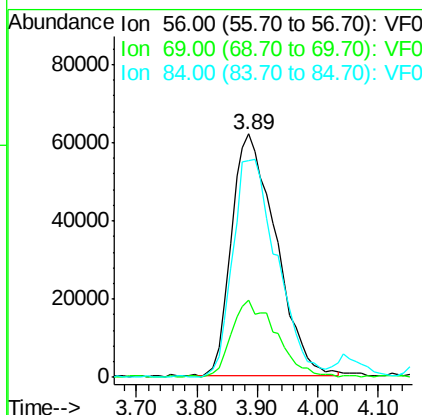
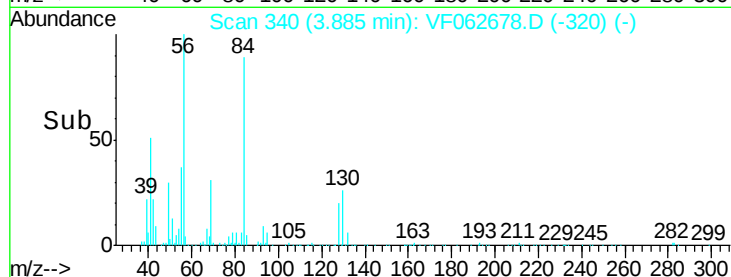
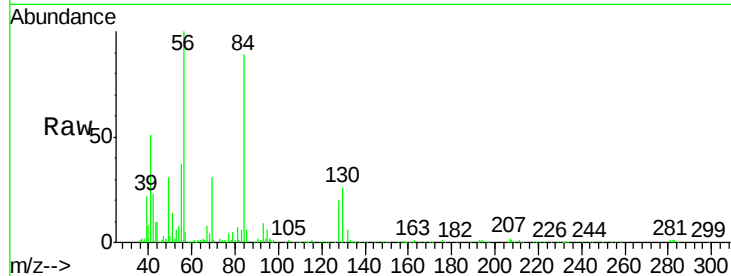
#31  
Cyclohexane  
Concen: 19.931 ug/l  
RT: 3.89 min Scan# 340  
Delta R.T. 0.00 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0521SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 31.5  | 25.3  | 37.9  |
| 84      | 88.8  | 71.0  | 106.4 |

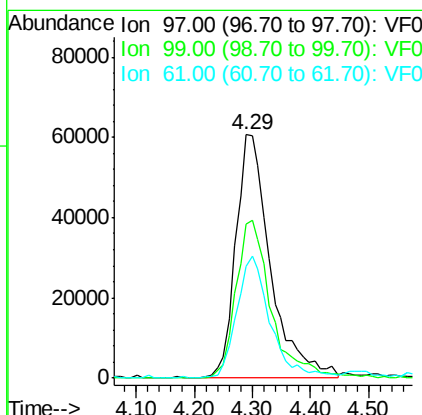
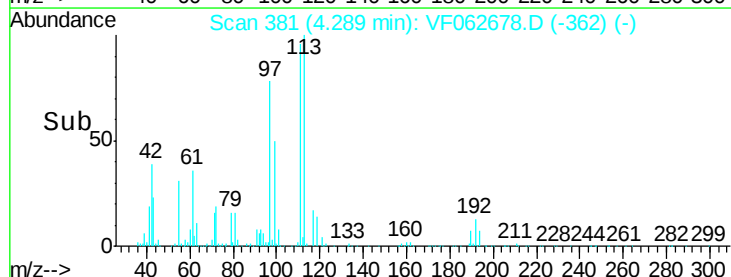
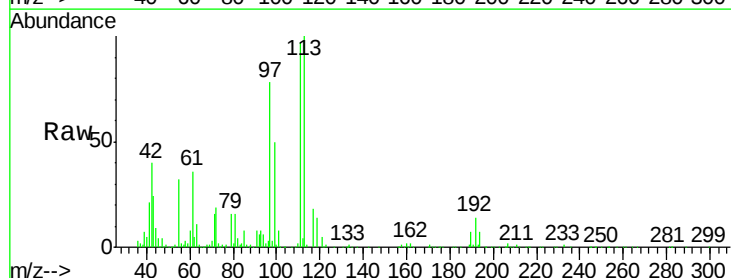
Manual Integrations  
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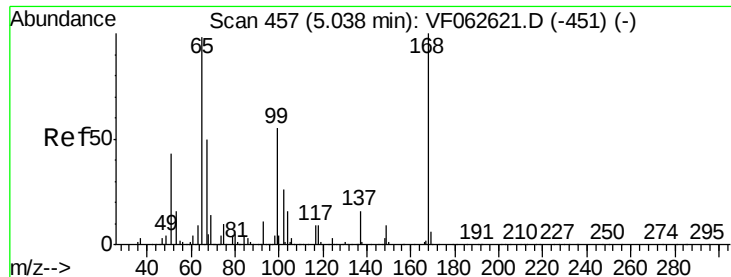
MMDadoda  
5/22/2019 4:20:58 PM



#32  
1,1,1-Trichloroethane  
Concen: 23.116 ug/l  
RT: 4.29 min Scan# 381  
Delta R.T. -0.01 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.2  | 51.3  | 76.9  |
| 61      | 46.0  | 38.2  | 57.2  |





#33

1,2-Dichloroethane-d4

Concen: 46.059 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

ClientSampleId :

VF0521SBS01

Tot Ion: 65 Resp: 262179

Ion Ratio Lower Upper

65 100

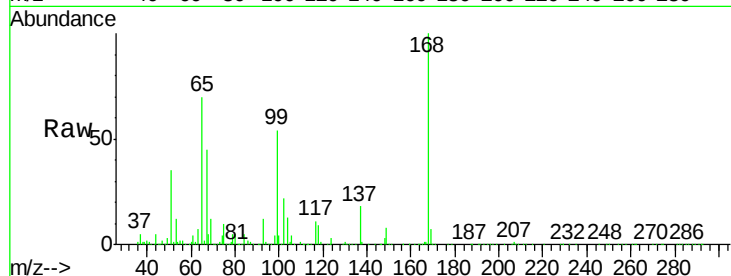
67 64.5 0.0 117.6

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.04

100000

80000

60000

40000

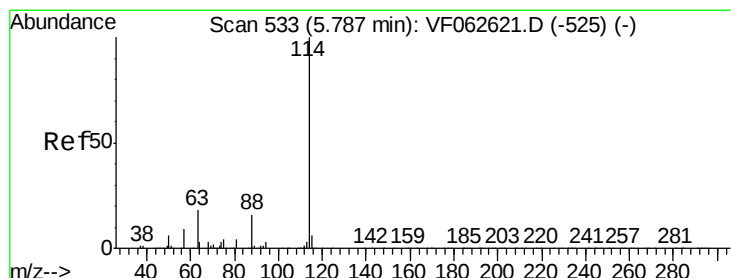
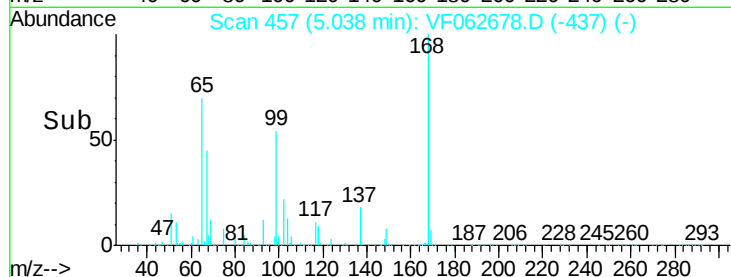
20000

0

5.00

5.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

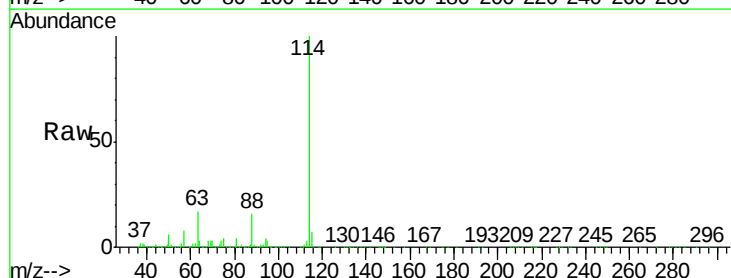
Tgt Ion:114 Resp: 1320363

Ion Ratio Lower Upper

114 100

63 16.6 0.0 35.4

88 16.3 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

5.60

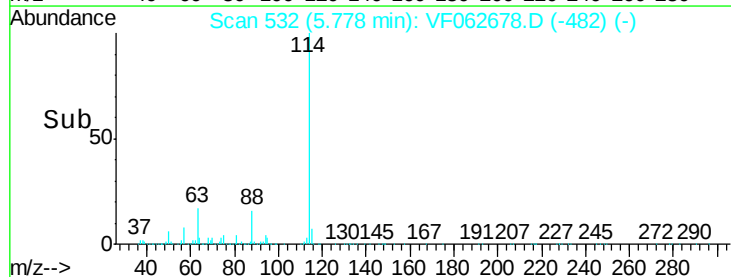
5.70

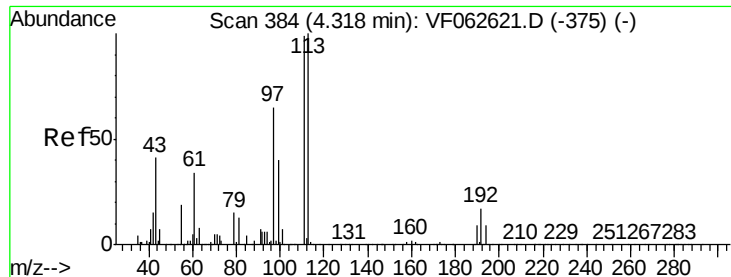
5.80

5.90

6.00

Time-->





#35

Dibromofluoromethane

Concen: 48.454 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

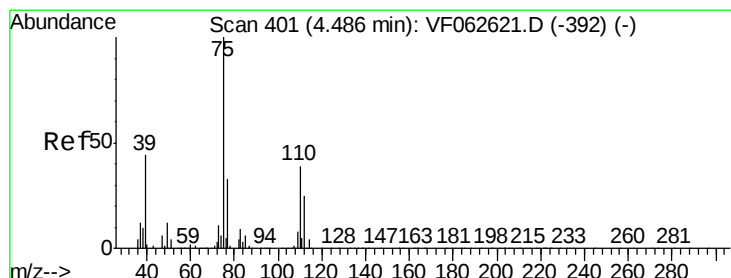
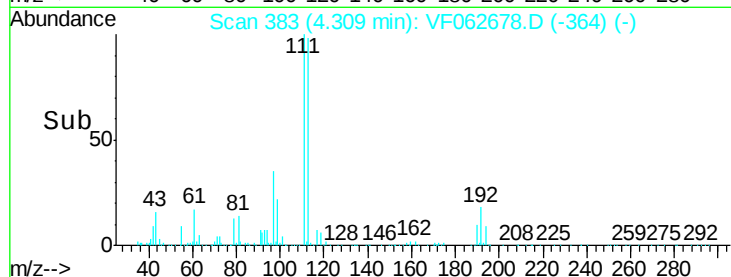
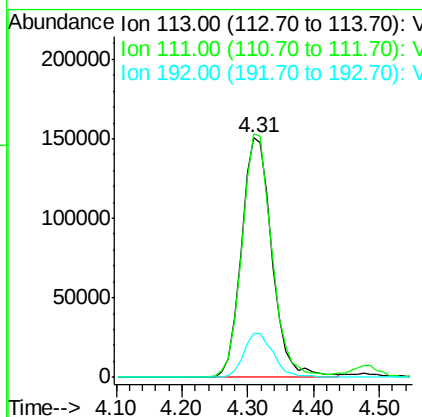
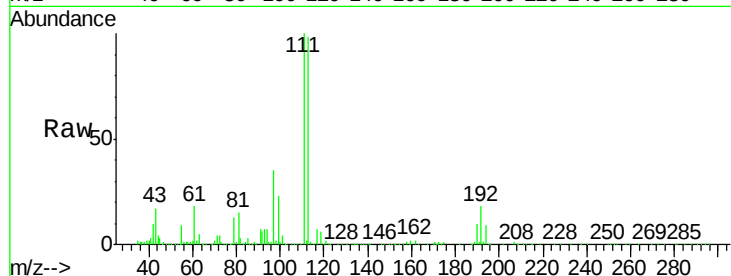
ClientSampleId :

VF0521SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 489555 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 101.8 | 79.4  | 119.2  |
| 192       | 18.3  | 13.4  | 20.2   |

Manual Integrations  
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#36

1,1-Dichloropropene

Concen: 21.734 ug/l

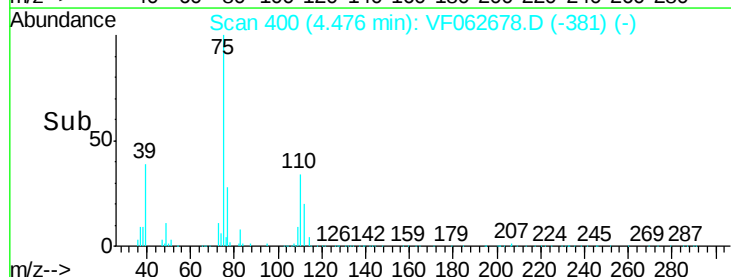
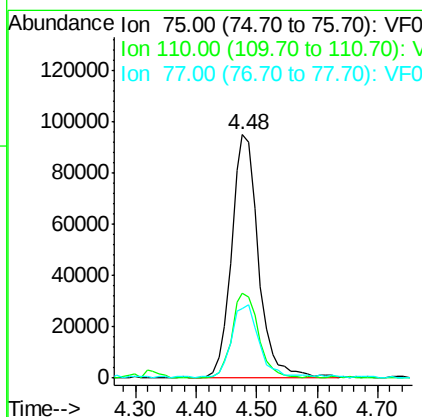
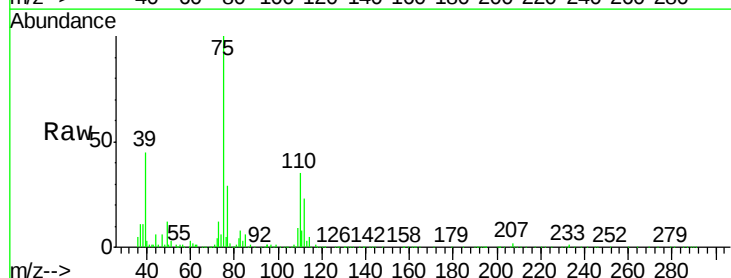
RT: 4.48 min Scan# 400

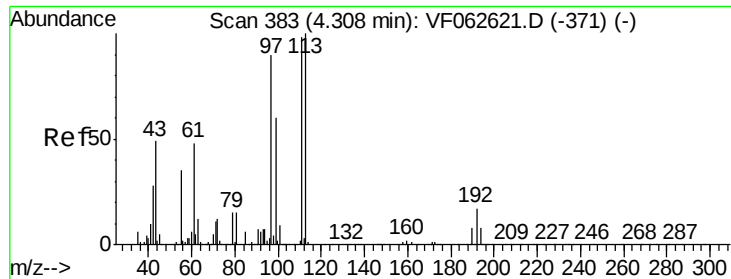
Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 294051 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 34.8  | 19.7  | 59.1   |
| 77        | 28.5  | 26.3  | 39.5   |





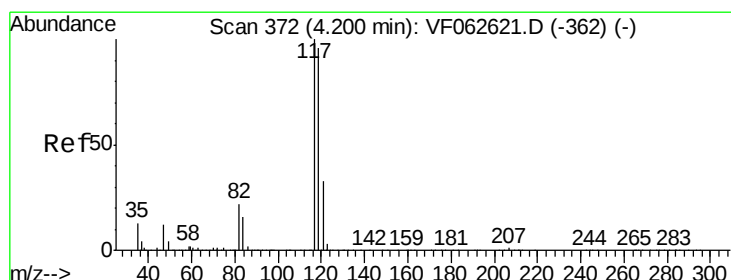
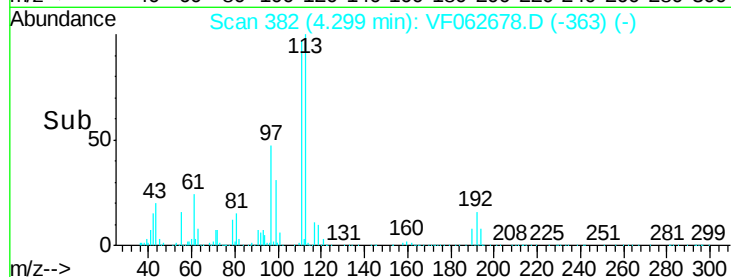
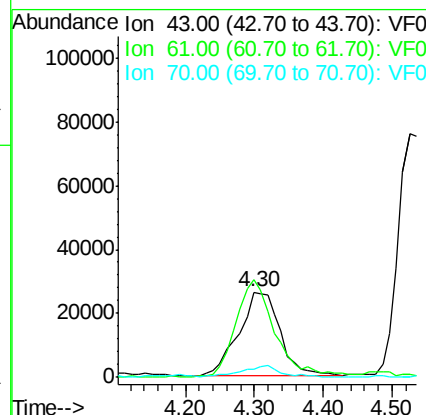
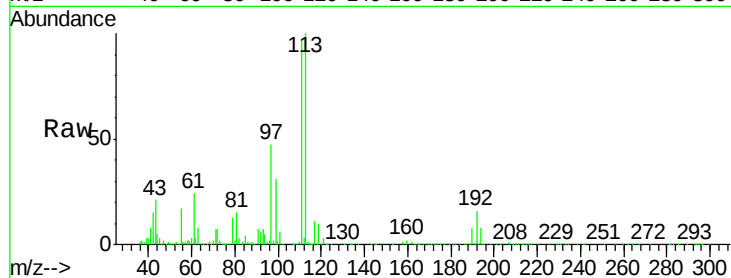
#37  
Ethyl Acetate  
Concen: 20.119 ug/l  
RT: 4.30 min Scan# 382  
Delta R.T. -0.01 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0521SBS01

| Tot Ion | 43  | 61    | 70   | Ratio | Lower | Upper | Resp |
|---------|-----|-------|------|-------|-------|-------|------|
| 111142  | 100 | 114.9 | 10.0 |       | 76.9  | 115.3 |      |
|         |     |       |      |       | 8.8   | 13.2  |      |

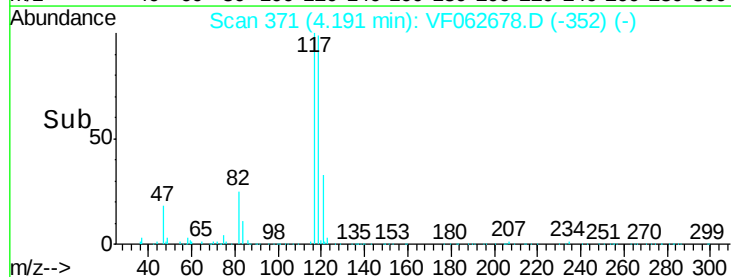
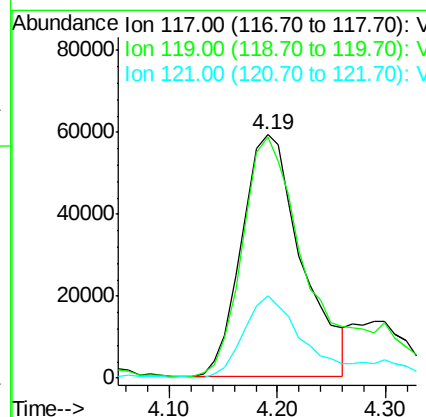
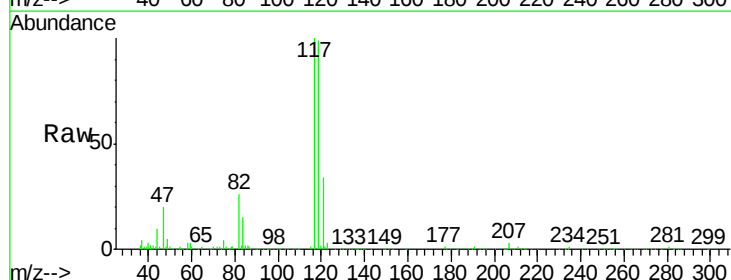
Manual Integrations  
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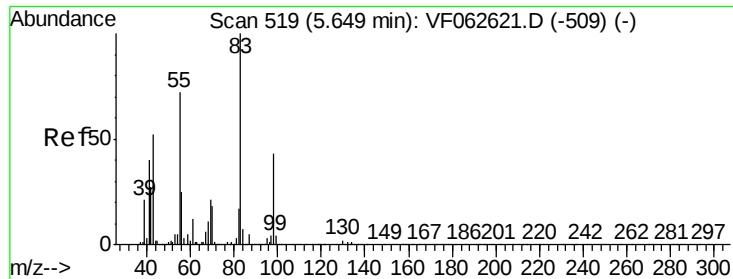
MMDadoda  
5/22/2019 4:20:58 PM



#38  
Carbon Tetrachloride  
Concen: 22.504 ug/l  
RT: 4.19 min Scan# 371  
Delta R.T. -0.01 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

| Tgt Ion | 117 | 119  | 121  | Ratio | Lower | Upper | Resp |
|---------|-----|------|------|-------|-------|-------|------|
| 228989  | 100 | 98.9 | 33.6 |       | 76.7  | 115.1 |      |
|         |     |      |      |       | 26.6  | 40.0  |      |





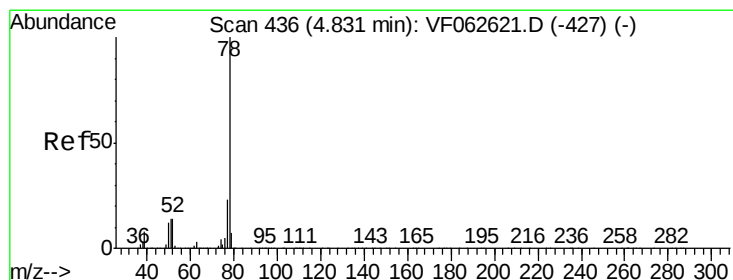
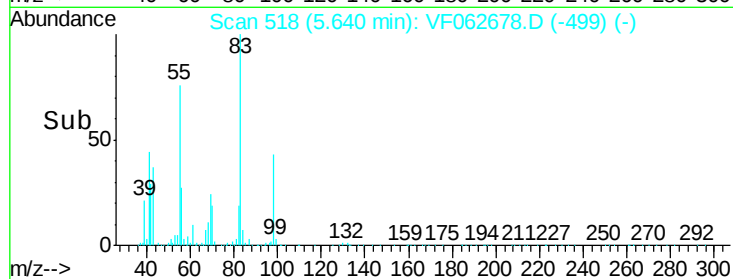
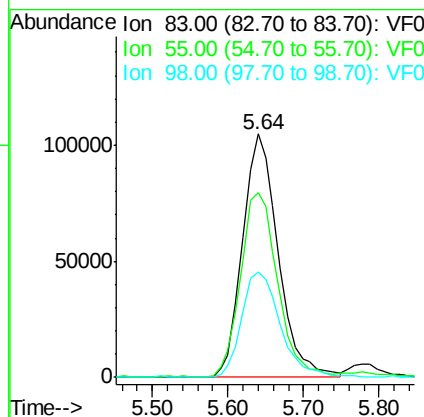
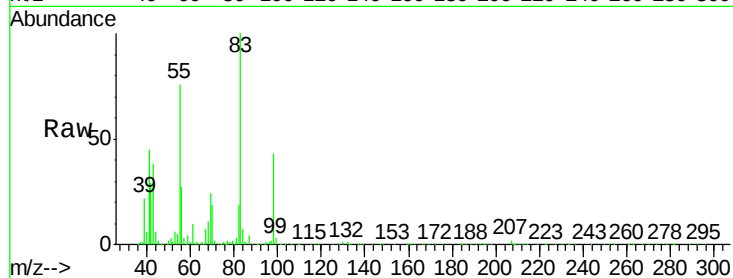
#39  
Methvlcvclohexane  
Concen: 21.095 ug/l  
RT: 5.64 min Scan# 518  
Delta R.T. -0.01 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0521SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 343422 |       |       |
| 55      | 75.9  |        | 57.9  | 86.9  |
| 98      | 43.3  |        | 34.6  | 52.0  |

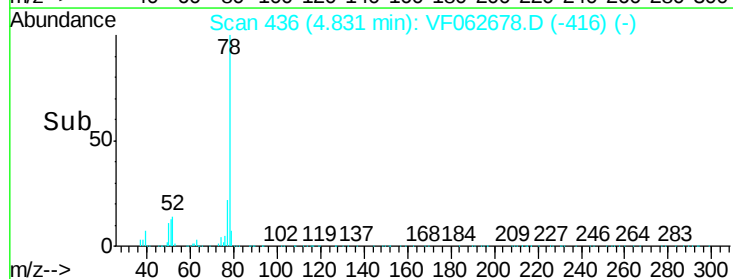
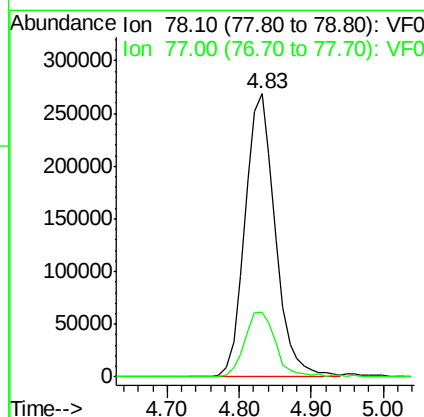
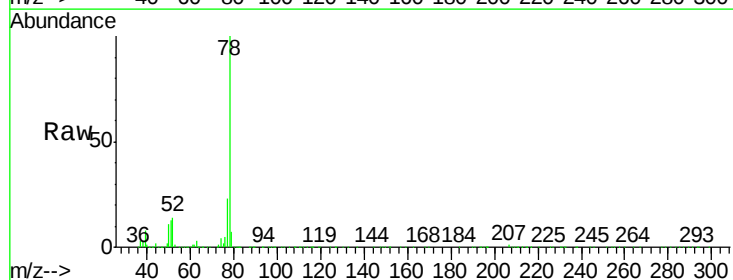
Manual Integrations  
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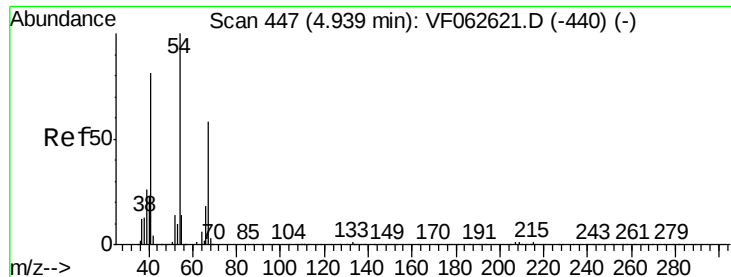
MMDadoda  
5/22/2019 4:20:58 PM



#40  
Benzene  
Concen: 21.416 ug/l  
RT: 4.83 min Scan# 436  
Delta R.T. 0.00 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 789372 |       |       |
| 77      | 22.6  |        | 18.2  | 27.2  |





#41

Methacrylonitrile

Concen: 21.865 ug/l

RT: 4.95 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

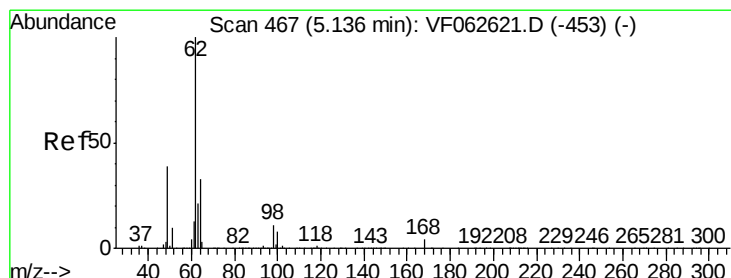
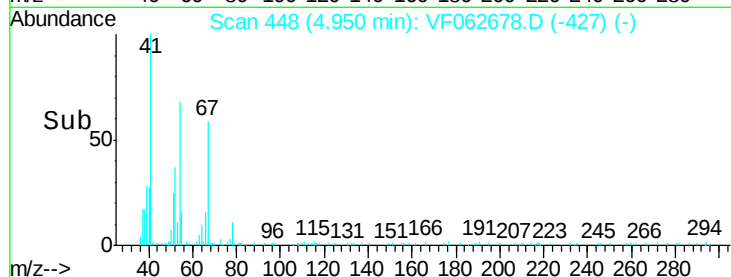
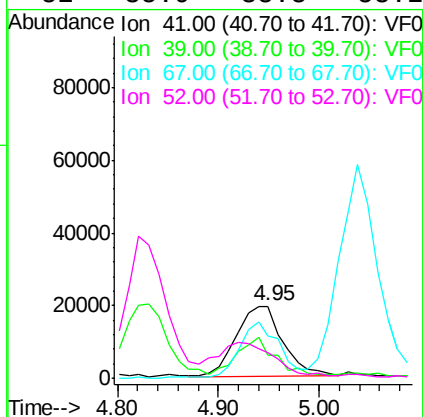
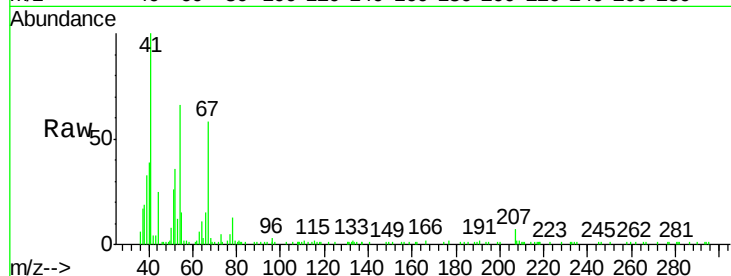
ClientSampleId :

VF0521SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 32.9  | 42.2  | 63.2# |
| 67      | 58.2  | 56.4  | 84.6  |
| 52      | 35.9  | 38.8  | 58.2# |

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#42

1,2-Dichloroethane

Concen: 21.326 ug/l

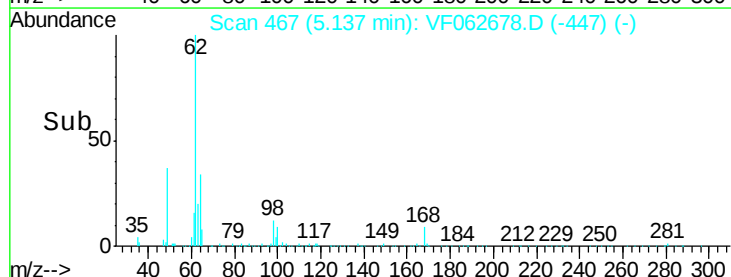
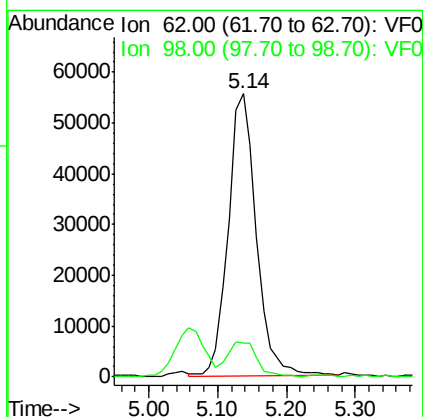
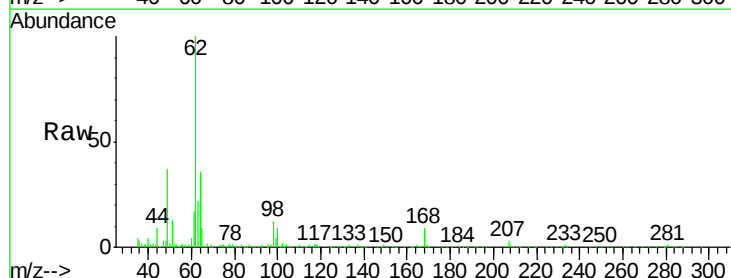
RT: 5.14 min Scan# 467

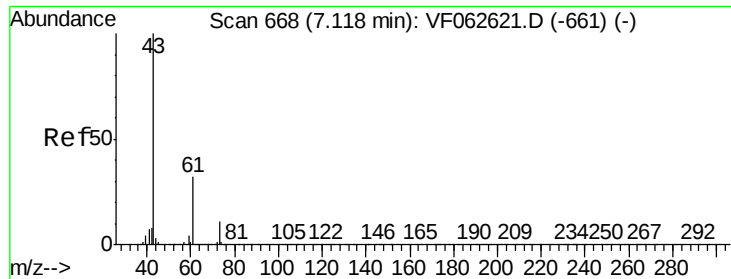
Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 11.8  | 0.0   | 21.6  |





#43

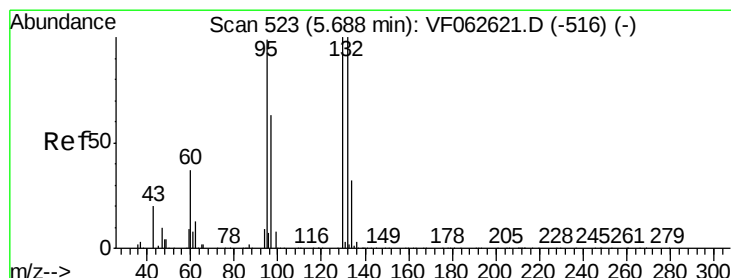
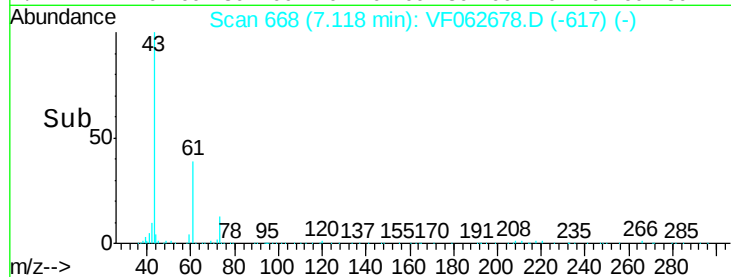
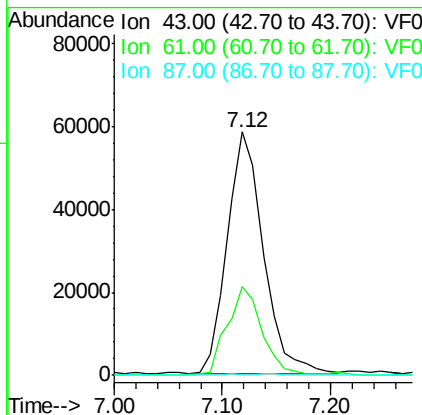
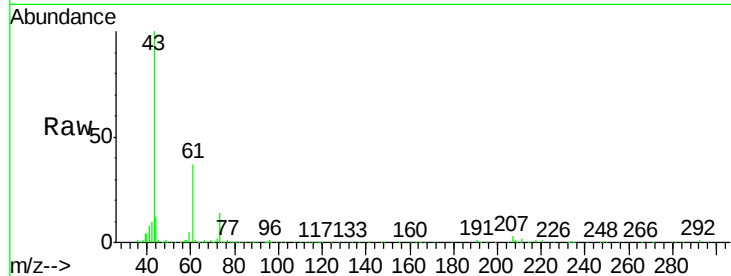
Isopropyl Acetate  
 Concen: 18.996 ug/l  
 RT: 7.12 min Scan# 668  
 Delta R.T. 0.00 min  
 Lab File: VF062678.D  
 Acq: 21 May 2019 12:39

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0521SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 36.7  | 25.8  | 38.8  |
| 87      | 0.4   | 0.4   | 0.6   |

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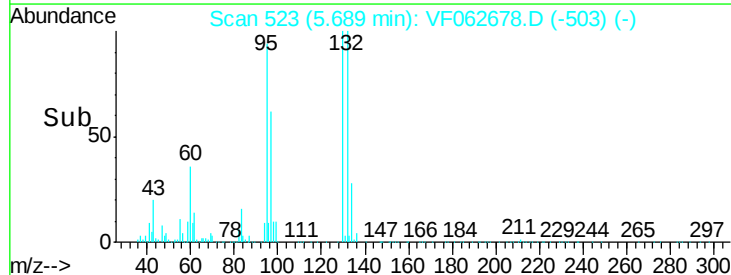
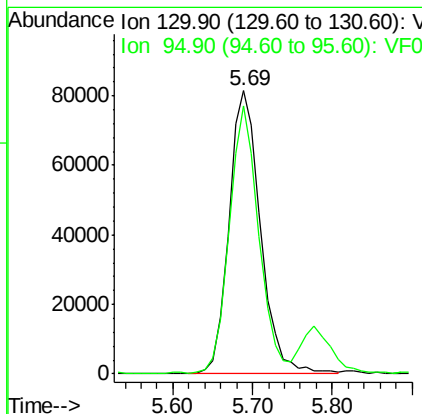
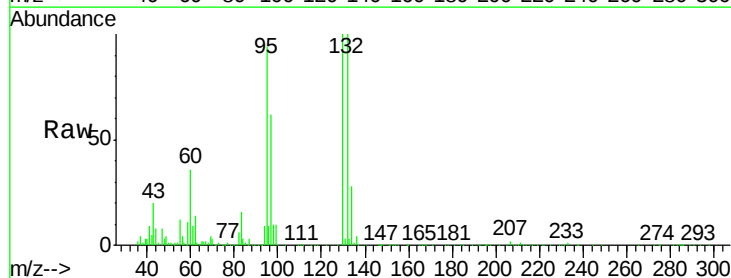
MMDadoda  
 5/22/2019 4:20:58 PM

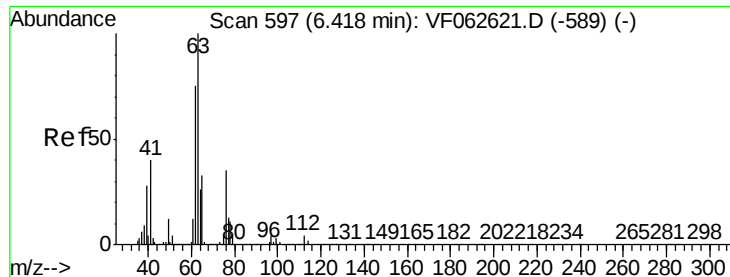


#44

Trichloroethene  
 Concen: 21.658 ug/l  
 RT: 5.69 min Scan# 523  
 Delta R.T. 0.00 min  
 Lab File: VF062678.D  
 Acq: 21 May 2019 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 94.5  | 0.0   | 199.4 |





#45

1,2-Dichloropropane

Concen: 20.926 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

ClientSampleId :

VF0521SBS01

Tot Ion: 63 Resp: 194708

Ion Ratio Lower Upper

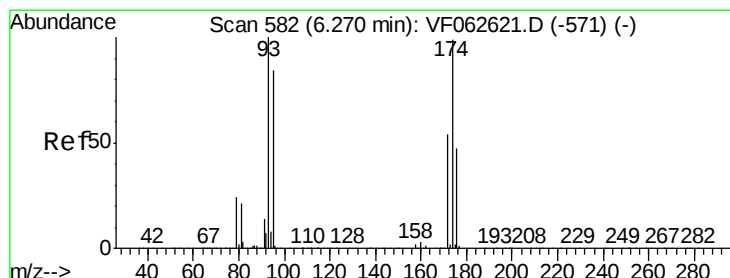
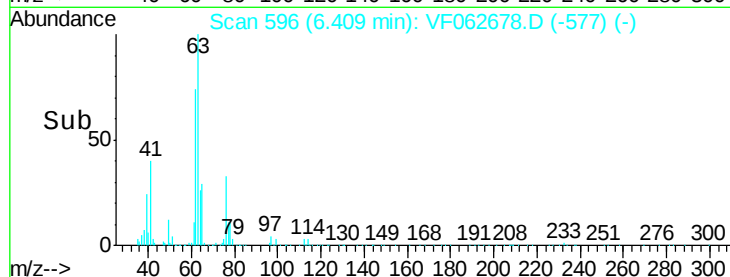
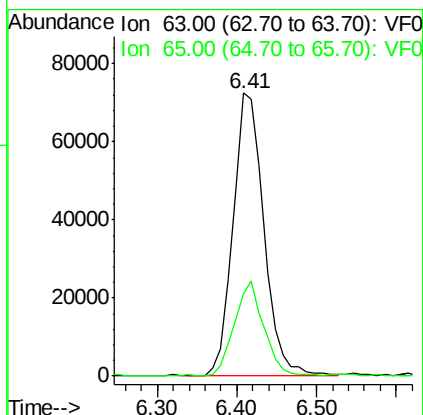
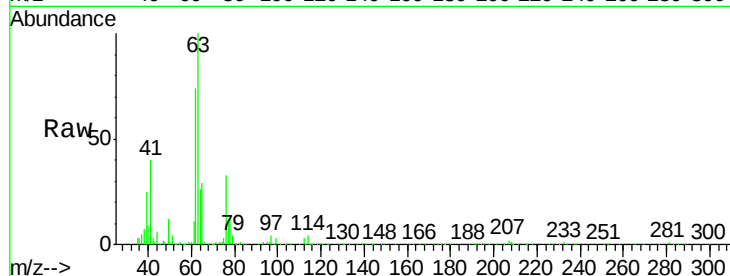
63 100

65 29.0 26.3 39.5

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5/22/2019 4:20:58 PM



#46

Dibromomethane

Concen: 21.653 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

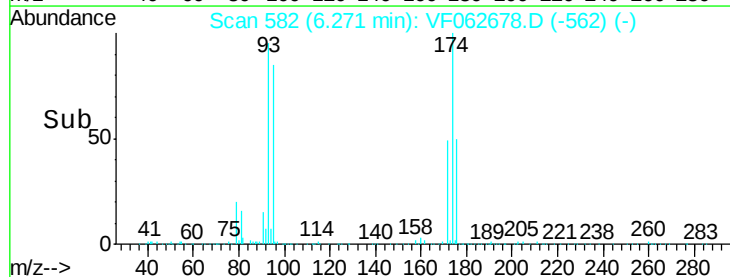
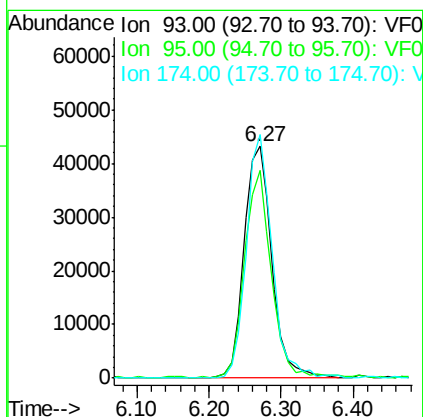
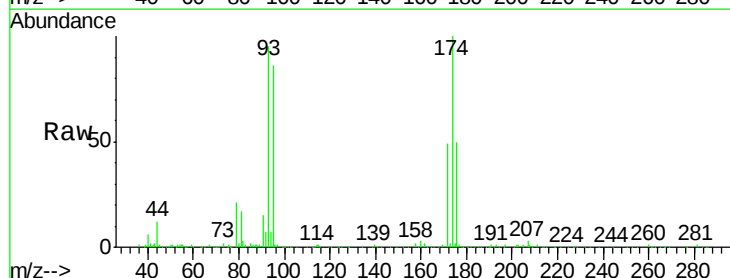
Tgt Ion: 93 Resp: 116434

Ion Ratio Lower Upper

93 100

95 89.8 67.4 101.2

174 105.0 79.4 119.2





#47

Bromodichloromethane

Concen: 21.160 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

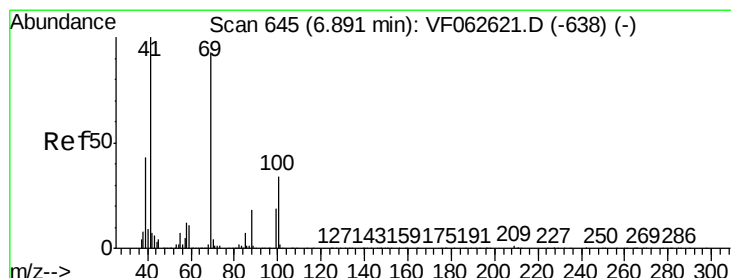
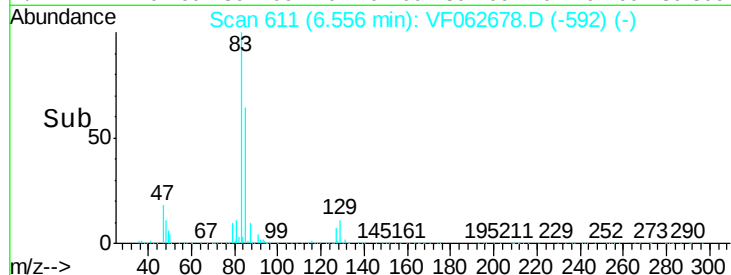
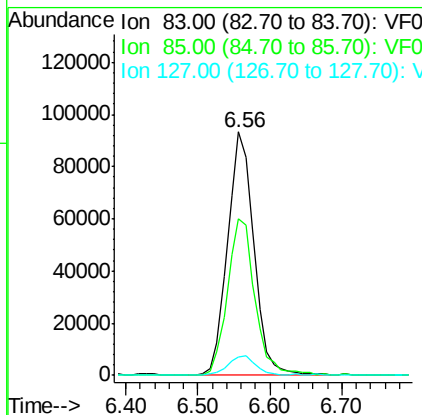
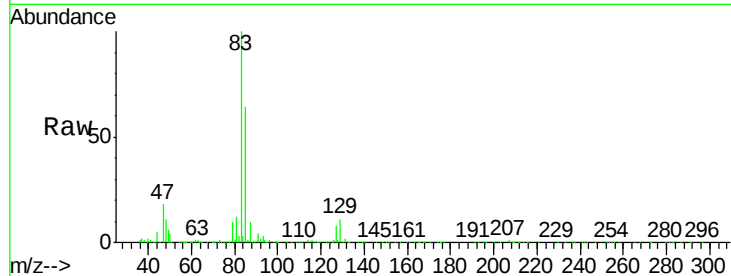
ClientSampleId :

VF0521SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 236217 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.2  | 52.0  | 78.0   |
| 127       | 7.5   | 7.7   | 11.5#  |

Manual Integrations  
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#48

Methyl methacrylate

Concen: 20.022 ug/l

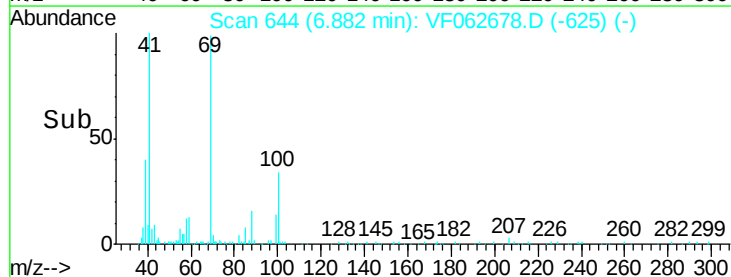
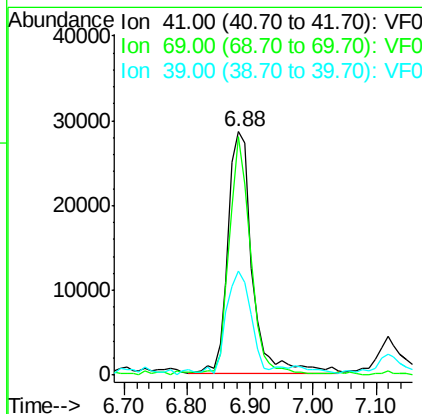
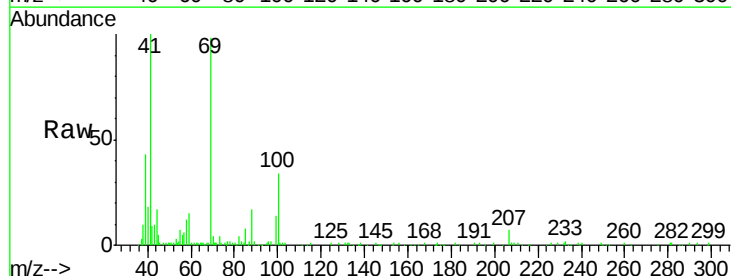
RT: 6.88 min Scan# 644

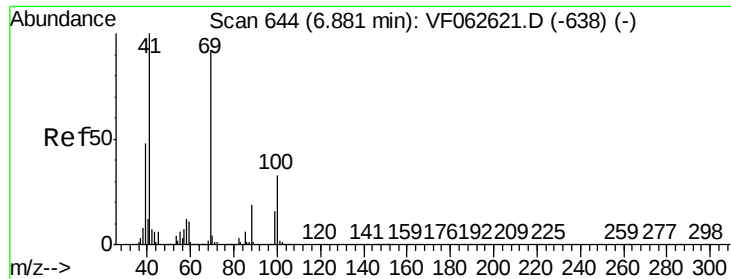
Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 74897 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 98.1  | 74.2  | 111.2 |
| 39        | 42.6  | 34.2  | 51.4  |





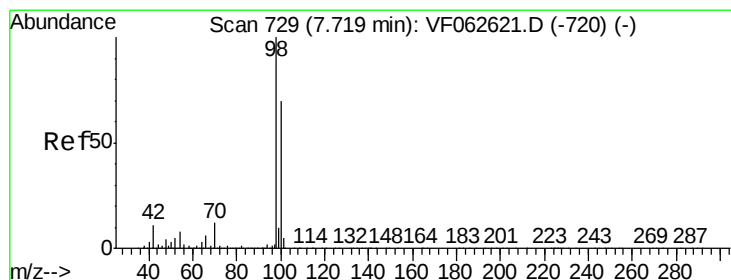
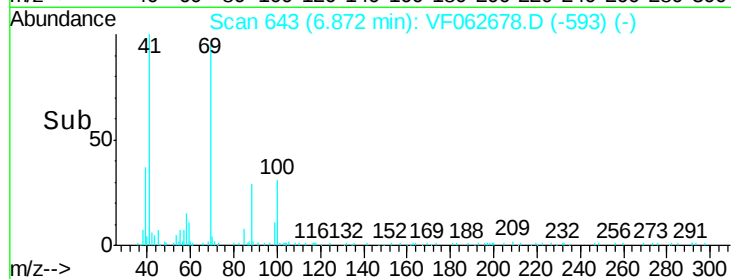
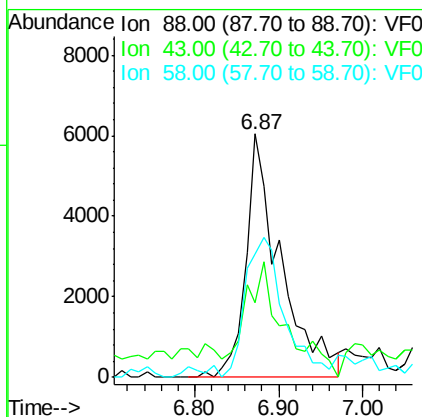
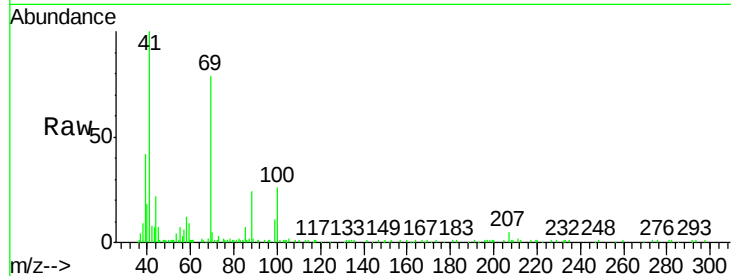
#49  
1,4-Dioxane  
Concen: 362.506 ug/l  
RT: 6.87 min Scan# 643  
Delta R.T. -0.01 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0521SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 30.7  | 30.0  | 45.0  |
| 58      | 50.8  | 51.1  | 76.7# |

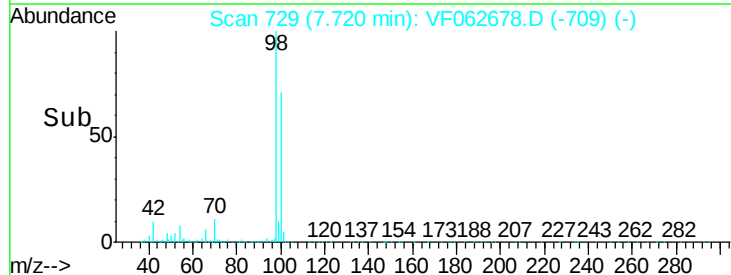
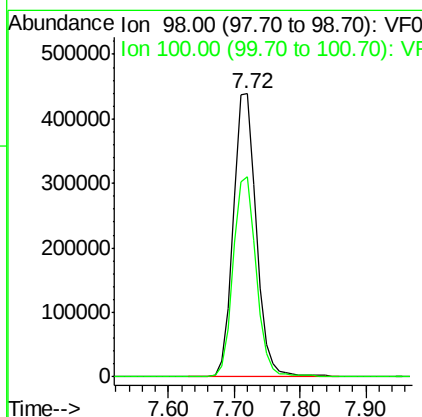
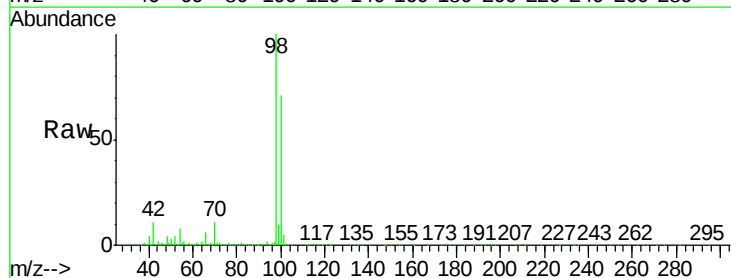
Manual Integrations  
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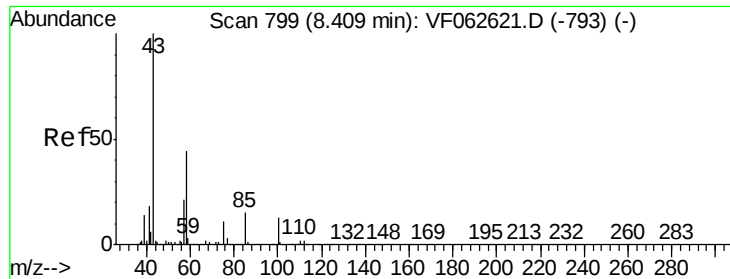
MMDadoda  
5/22/2019 4:20:58 PM



#50  
Toluene-d8  
Concen: 45.032 ug/l  
RT: 7.72 min Scan# 729  
Delta R.T. 0.00 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 70.9  | 56.2  | 84.2  |





#51

4-Methyl-2-Pentanone

Concen: 108.426 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

ClientSampleId :

VF0521SBS01

Tot Ion: 43 Resp: 530414

Ion Ratio Lower Upper

43 100

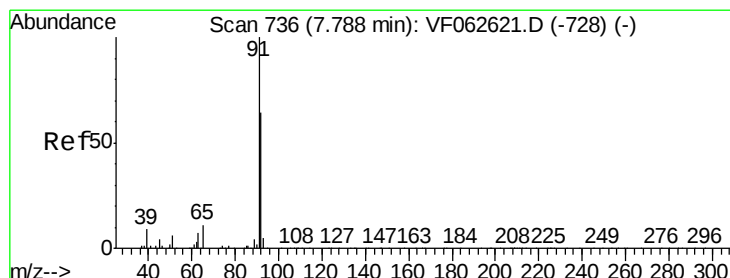
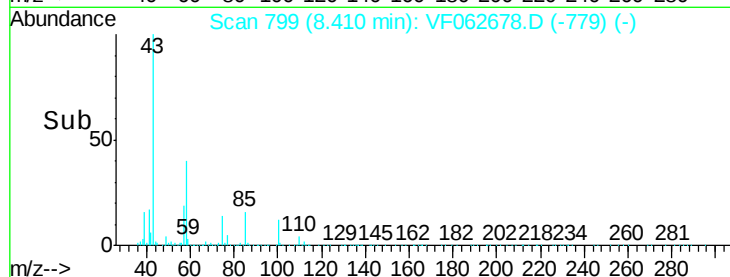
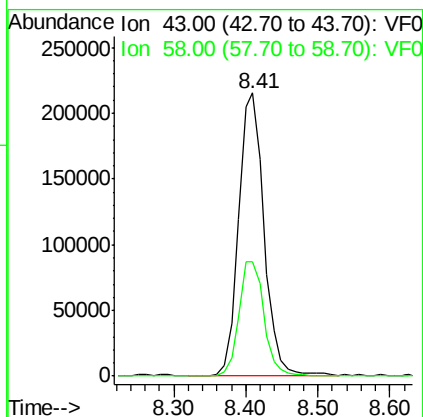
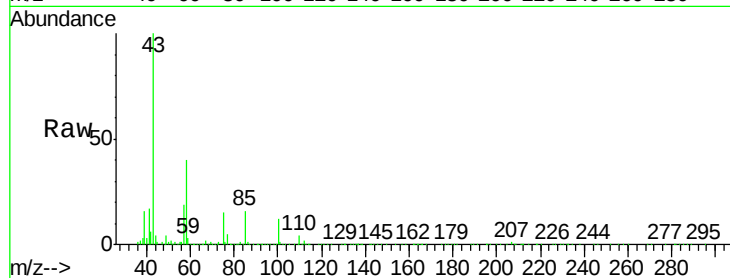
58 40.4 34.9 52.3

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5/22/2019 4:20:58 PM



#52

Toluene

Concen: 21.055 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062678.D

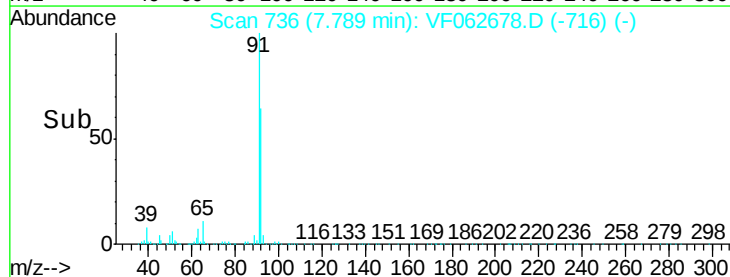
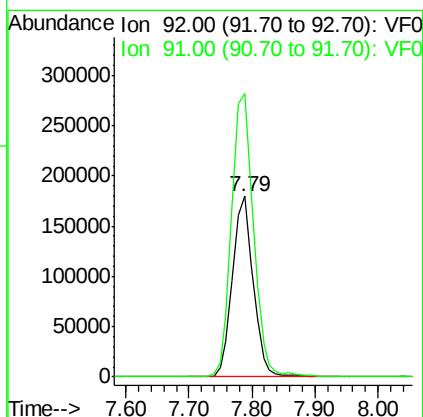
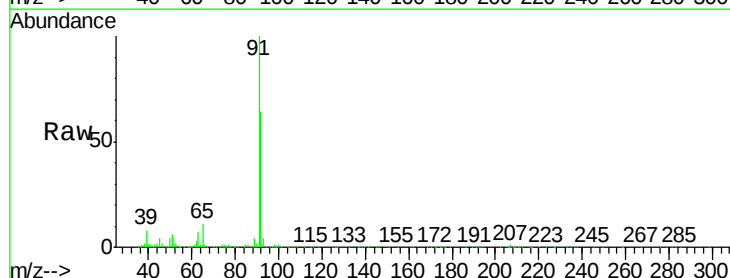
Acq: 21 May 2019 12:39

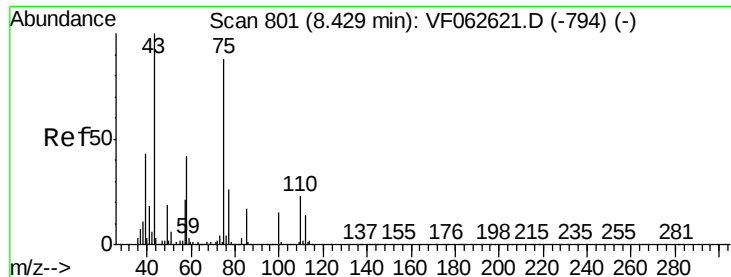
Tgt Ion: 92 Resp: 406998

Ion Ratio Lower Upper

92 100

91 156.9 125.4 188.0





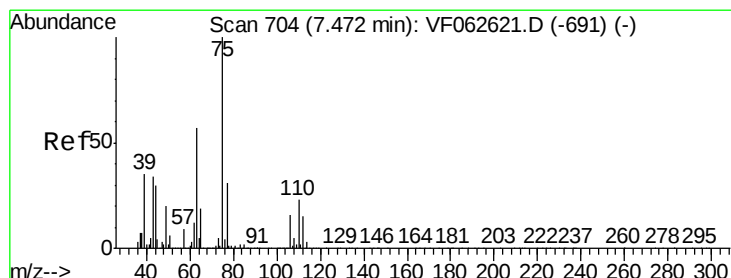
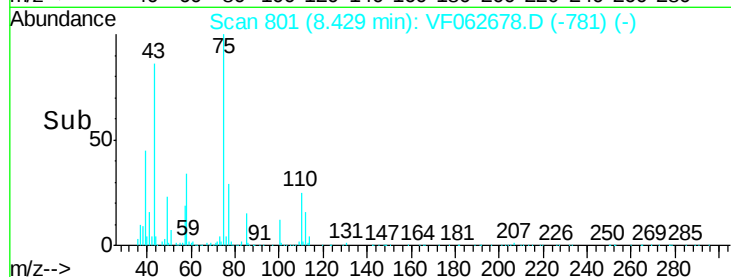
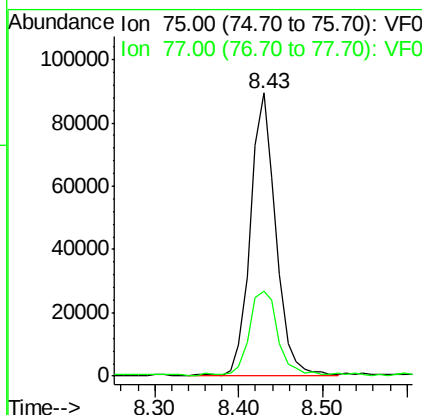
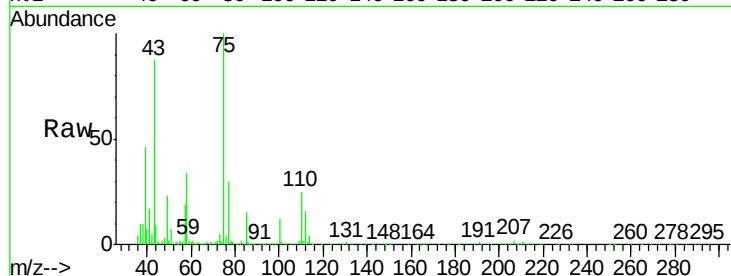
#53  
t-1,3-Dichloropropene  
Concen: 20.711 ug/l  
RT: 8.43 min Scan# 801  
Delta R.T. 0.00 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0521SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 29.8  | 24.2  | 36.4  |

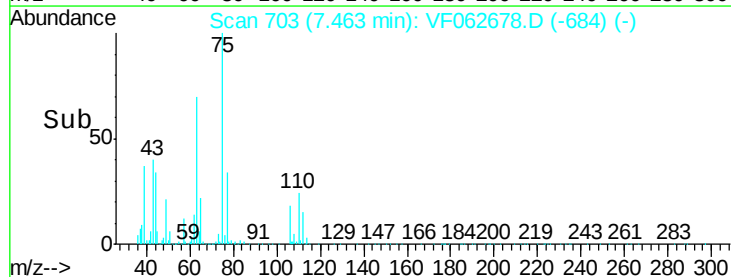
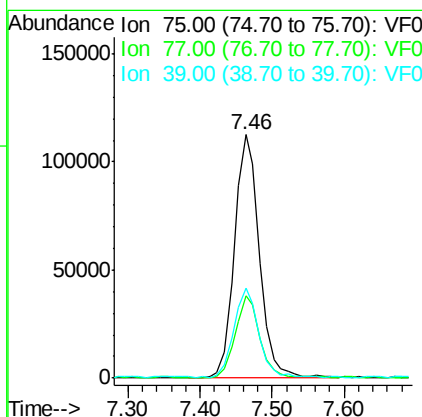
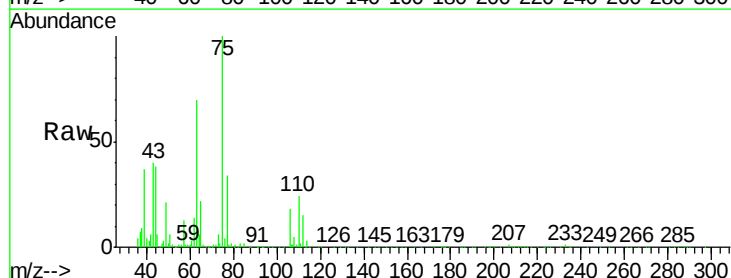
Manual Integrations  
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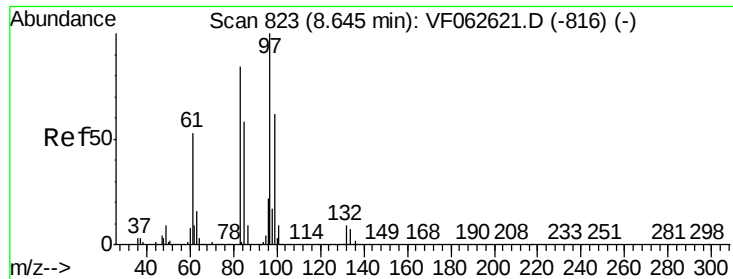
MMDadoda  
5/22/2019 4:20:58 PM



#54  
cis-1,3-Dichloropropene  
Concen: 21.249 ug/l  
RT: 7.46 min Scan# 703  
Delta R.T. -0.01 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 33.9  | 25.3  | 37.9  |
| 39      | 37.2  | 28.2  | 42.2  |





#55

1,1,2-Trichloroethane

Concen: 20.696 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

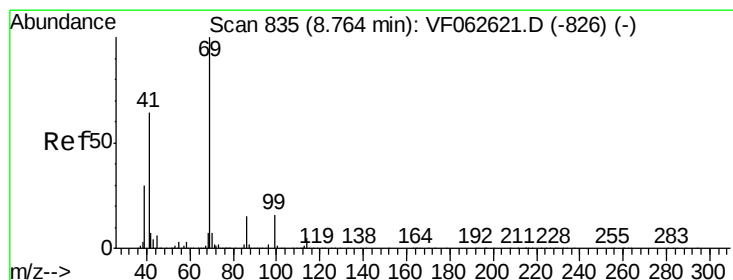
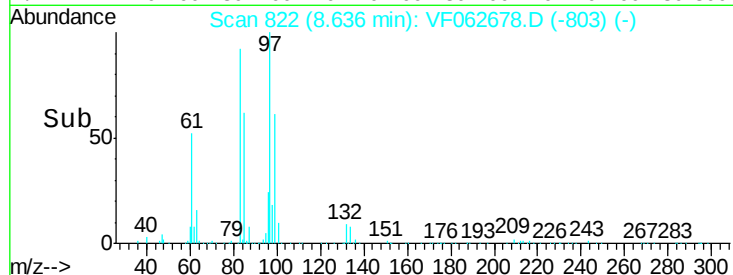
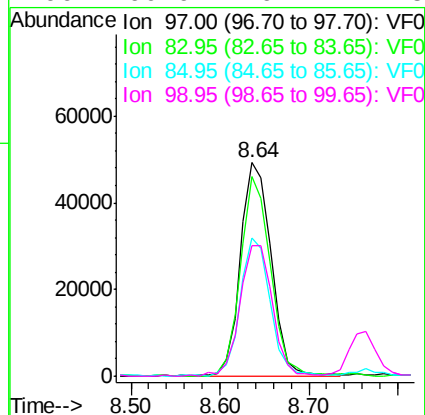
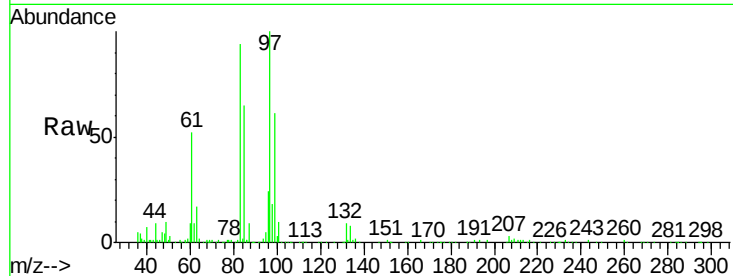
ClientSampleId :

VF0521SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 118450 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 93.7  | 67.3  | 100.9  |
| 85       | 64.9  | 46.6  | 69.8   |
| 99       | 60.9  | 49.7  | 74.5   |

Manual Integrations  
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#56

Ethyl methacrylate

Concen: 20.814 ug/l

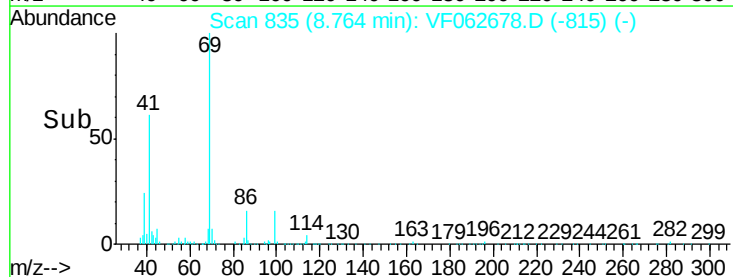
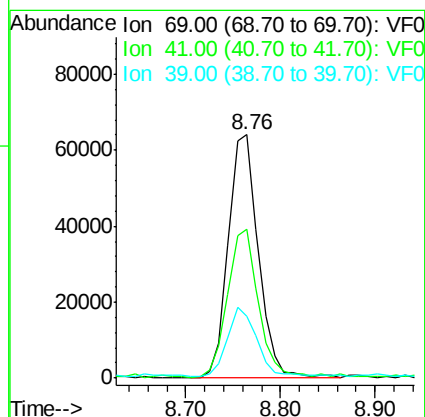
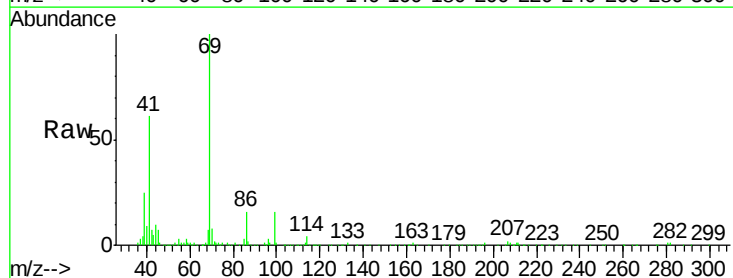
RT: 8.76 min Scan# 835

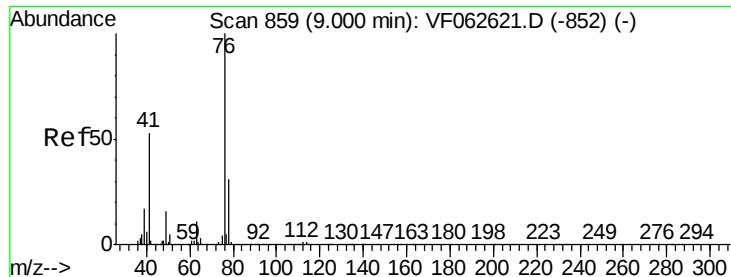
Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 141925 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 61.2  | 51.4  | 77.2   |
| 39       | 25.3  | 23.6  | 35.4   |





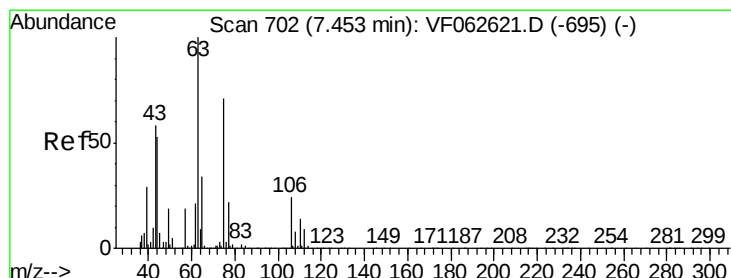
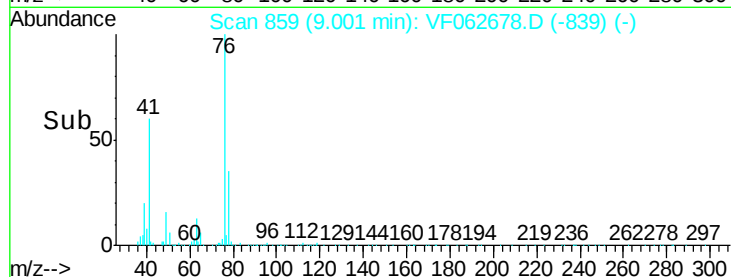
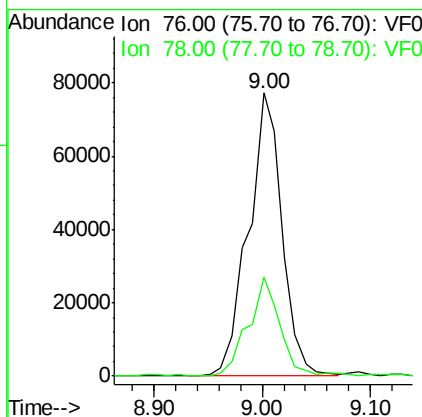
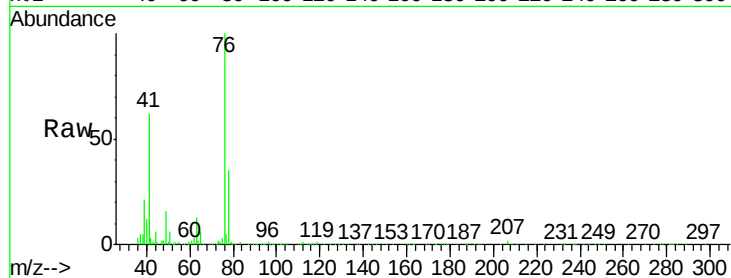
#57  
 1,3-Dichloropropane  
 Concen: 17.274 ug/l  
 RT: 9.00 min Scan# 859  
 Delta R.T. 0.00 min  
 Lab File: VF062678.D  
 Acq: 21 May 2019 12:39

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0521SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 34.8  | 25.4  | 38.0  |

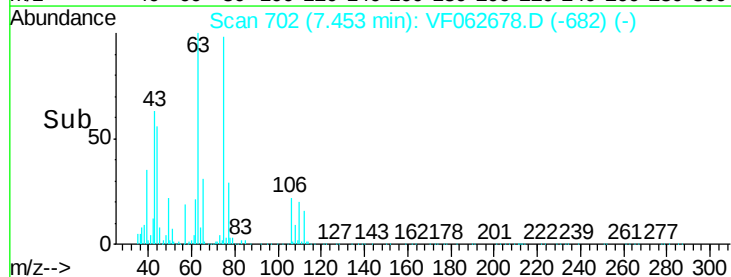
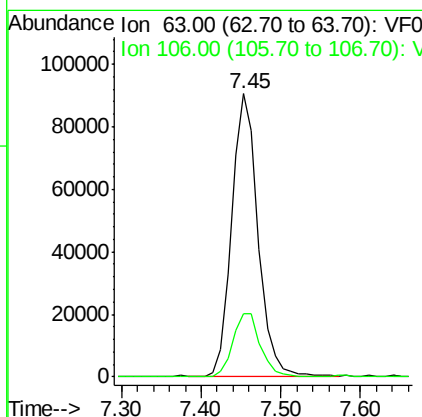
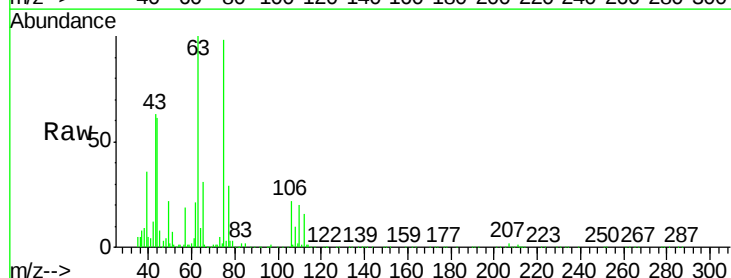
Manual Integrations  
 APPROVED

MMDadoda  
 5/22/2019 4:20:58 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 93.670 ug/l  
 RT: 7.45 min Scan# 702  
 Delta R.T. 0.00 min  
 Lab File: VF062678.D  
 Acq: 21 May 2019 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 22.4  | 19.1  | 28.7  |





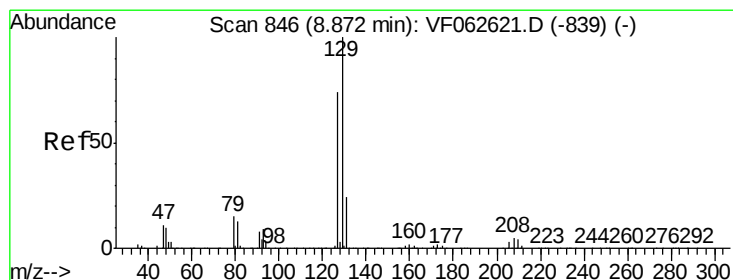
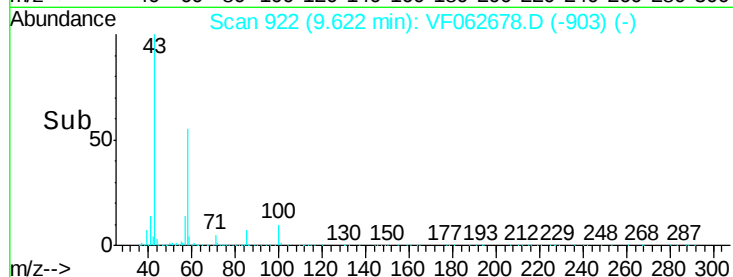
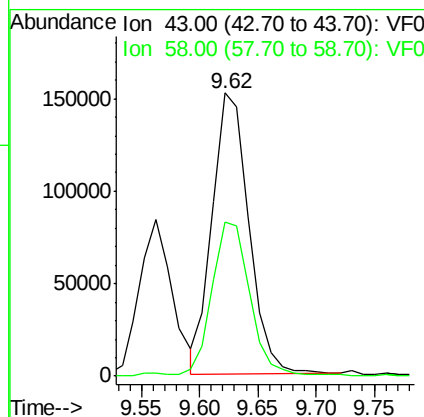
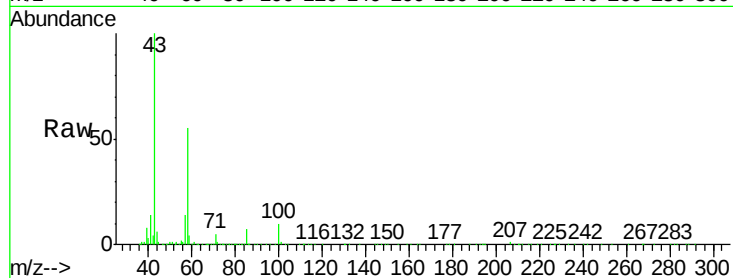
#59  
2-Hexanone  
Concen: 93.446 ug/l  
RT: 9.62 min Scan# 922  
Delta R.T. -0.01 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0521SBSD01

Tot Ion: 43 Resp: 332943  
Ion Ratio Lower Upper  
43 100  
58 54.6 28.1 84.4

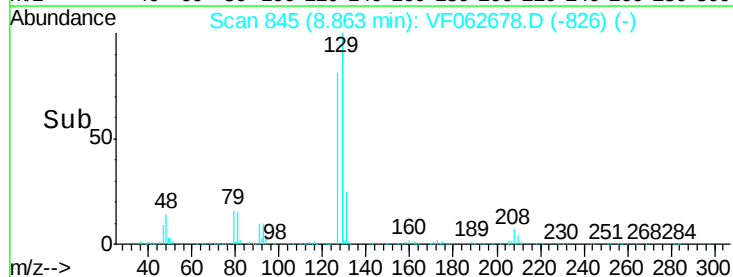
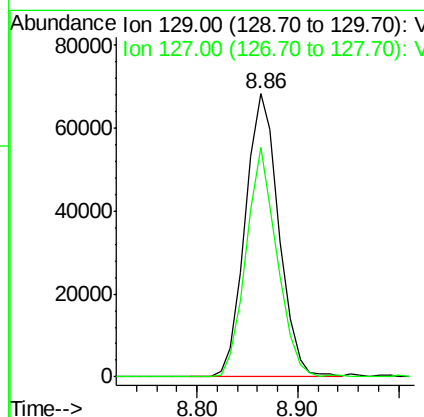
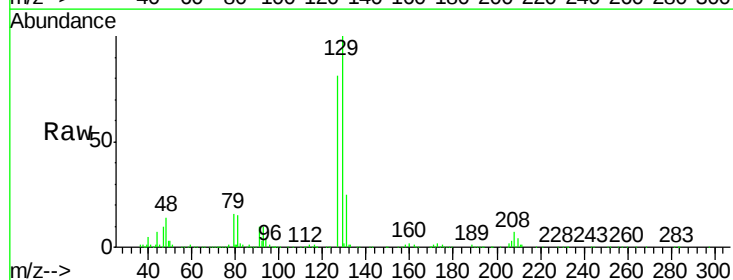
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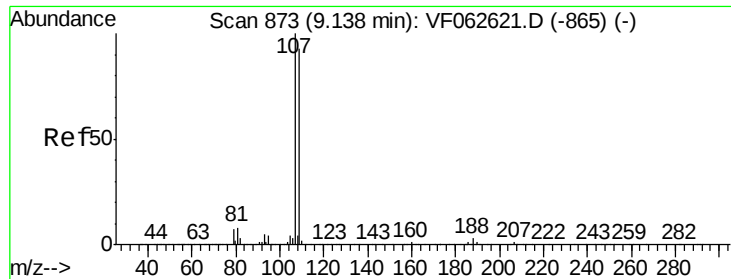
MMDadoda  
5/22/2019 4:20:58 PM



#60  
Dibromochloromethane  
Concen: 21.250 ug/l  
RT: 8.86 min Scan# 845  
Delta R.T. -0.01 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

Tgt Ion: 129 Resp: 158512  
Ion Ratio Lower Upper  
129 100  
127 81.3 37.2 111.6





#61

1,2-Dibromoethane

Concen: 20.585 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

ClientSampleId :

VF0521SBS01

Tot Ion: 107 Resp: 125141

Ion Ratio Lower Upper

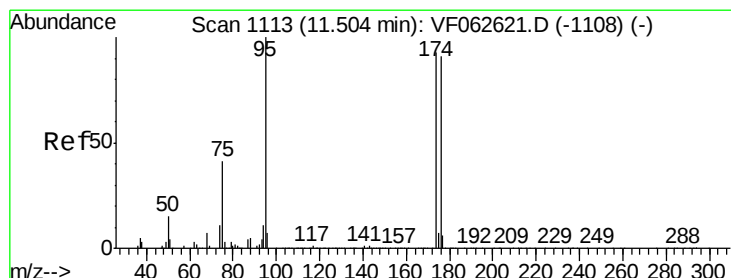
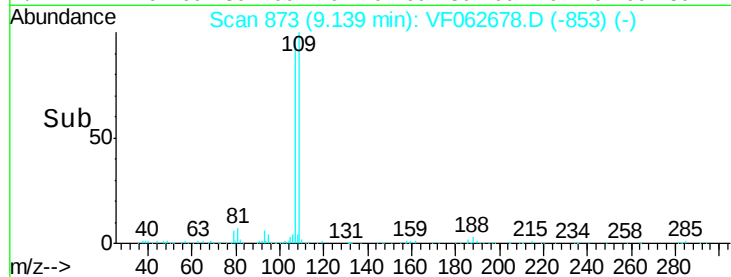
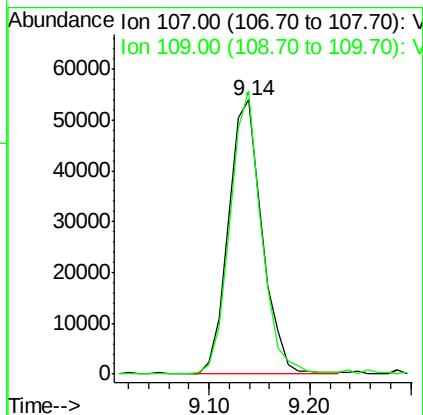
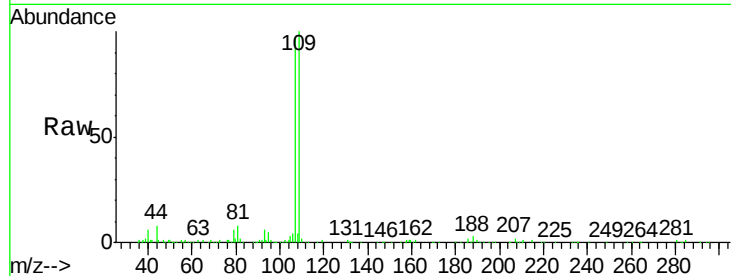
107 100

109 103.3 74.8 112.2

Manual Integrations  
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MMDadoda

5/22/2019 4:20:58 PM



#62

4-Bromofluorobenzene

Concen: 40.799 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

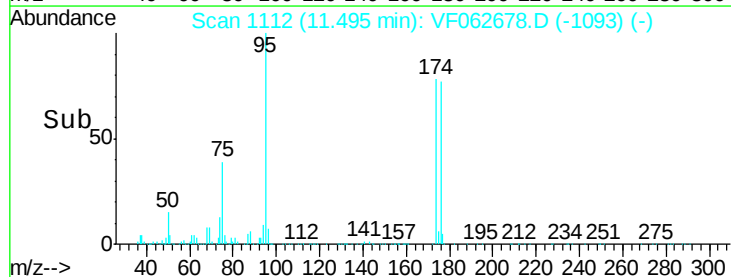
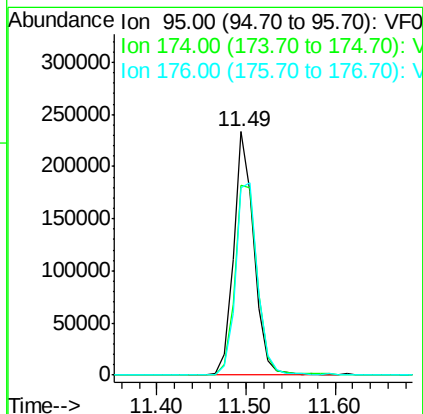
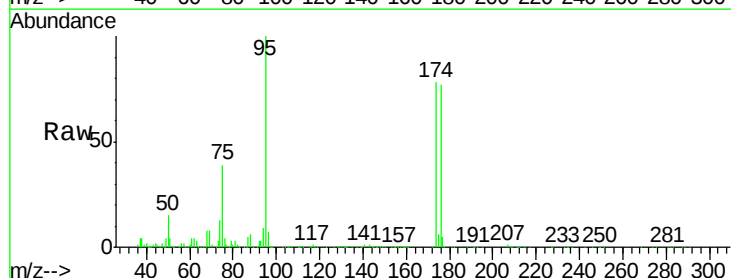
Tgt Ion: 95 Resp: 373274

Ion Ratio Lower Upper

95 100

174 78.0 0.0 185.6

176 77.1 0.0 182.4





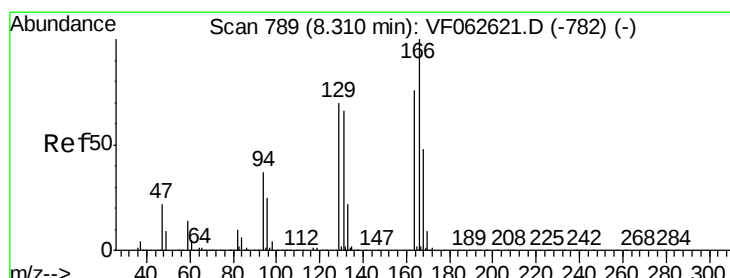
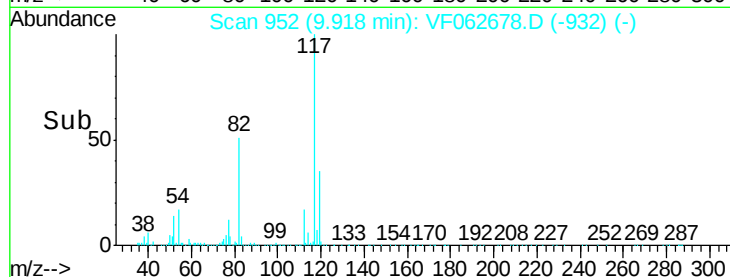
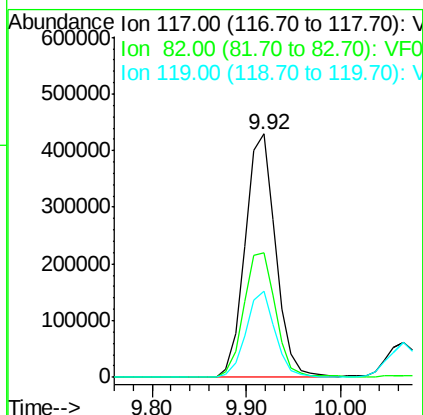
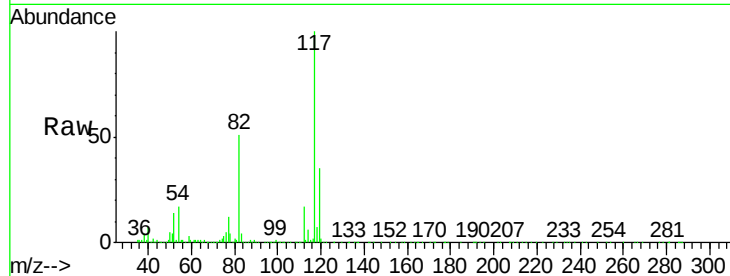
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.92 min Scan# 952  
Delta R.T. 0.00 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0521SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 959549 |       |       |
| 82      | 51.3  | 43.3   | 64.9  |       |
| 119     | 35.3  | 27.4   | 41.0  |       |

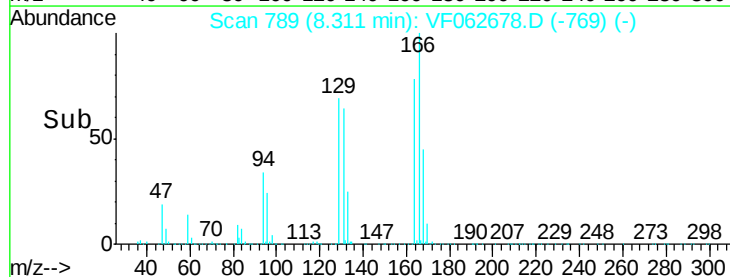
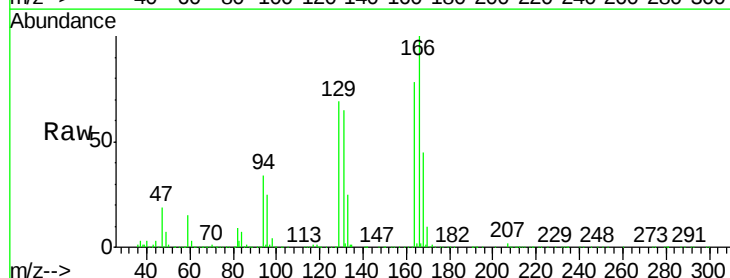
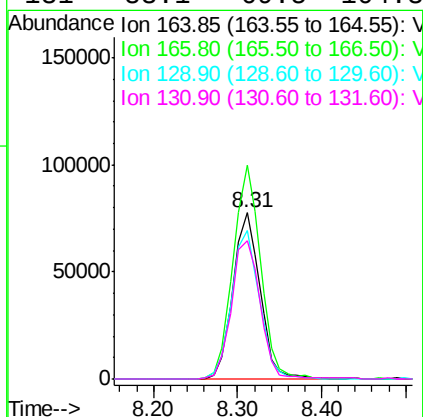
Manual Integrations  
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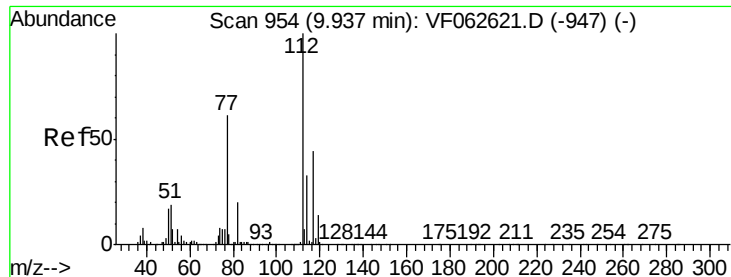
MMDadoda  
5/22/2019 4:20:58 PM



#64  
Tetrachloroethene  
Concen: 22.991 ug/l  
RT: 8.31 min Scan# 789  
Delta R.T. 0.00 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 174773 |       |       |
| 166     | 128.5 | 105.5  | 158.3 |       |
| 129     | 89.2  | 73.8   | 110.6 |       |
| 131     | 83.1  | 69.5   | 104.3 |       |





#65

Chlorobenzene

Concen: 22.144 ug/l

RT: 9.94 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

ClientSampleId :

VF0521SBS01

Tot Ion:112 Resp: 417333

Ion Ratio Lower Upper

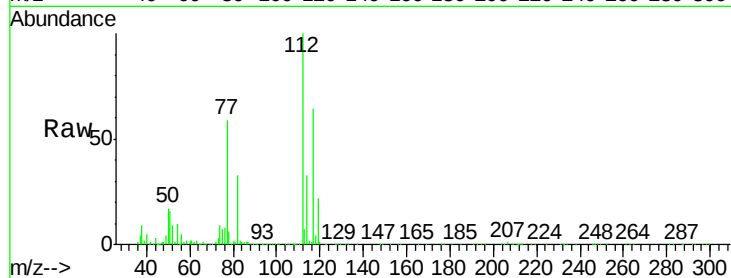
112 100

114 33.0 26.8 40.2

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.94

200000

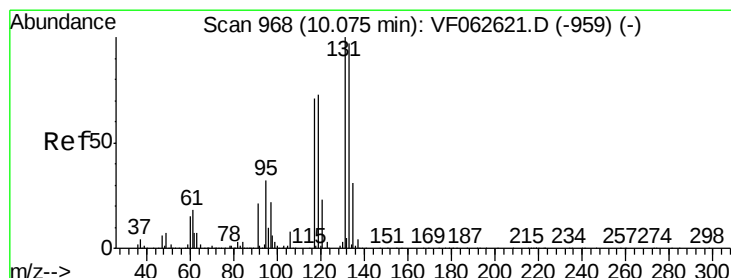
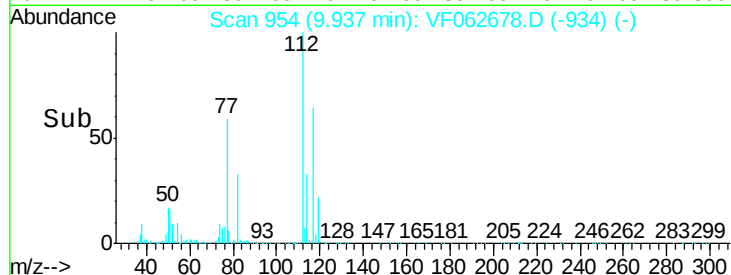
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 23.652 ug/l

RT: 10.07 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

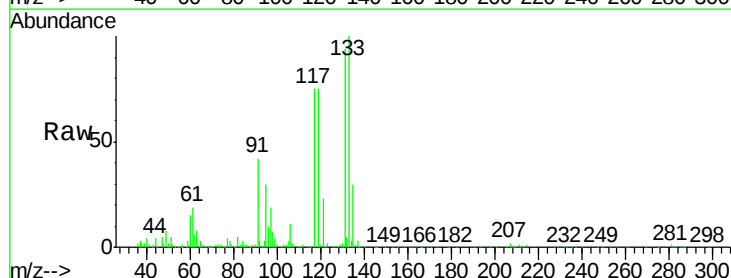
Tgt Ion:131 Resp: 178944

Ion Ratio Lower Upper

131 100

133 106.6 48.5 145.5

119 80.0 36.8 110.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

200000

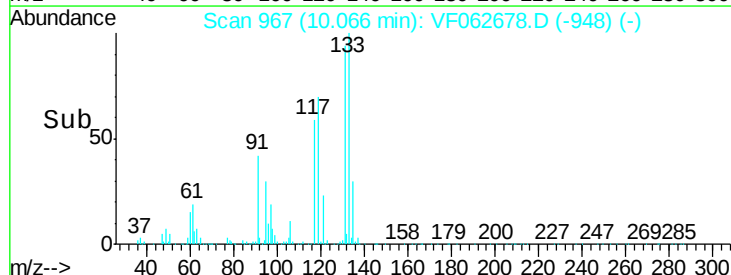
150000

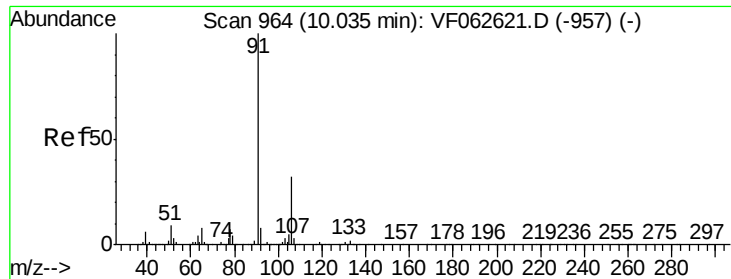
100000

50000

0

Time-->





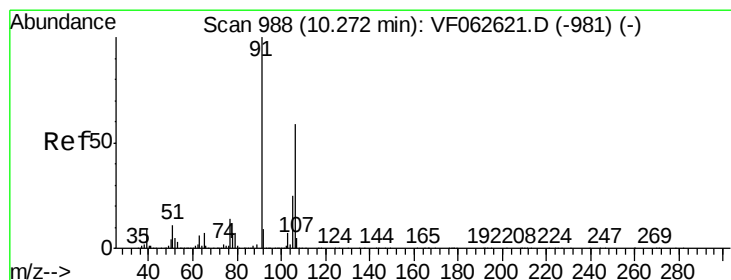
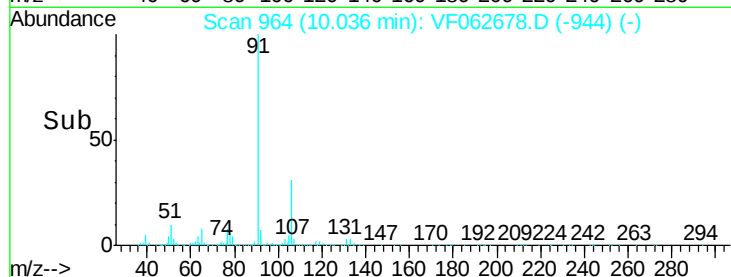
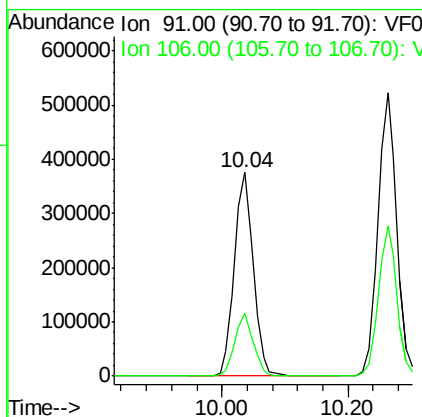
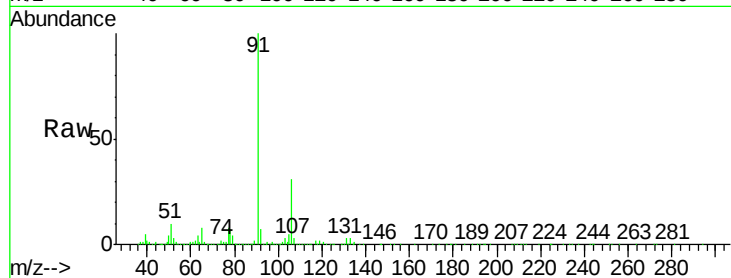
#67  
Ethyl Benzene  
Concen: 23.724 ug/l  
RT: 10.04 min Scan# 964  
Delta R.T. 0.00 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0521SBS01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 776721 |       |       |
| 106     | 30.7 | 25.8  | 38.8   |       |       |

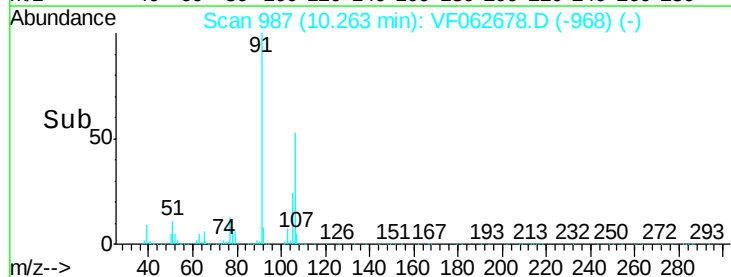
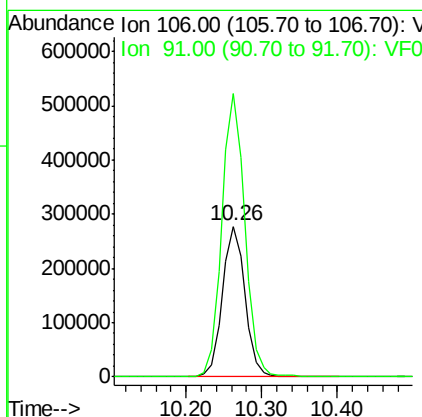
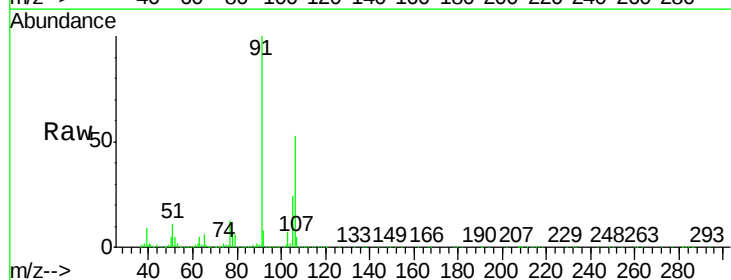
Manual Integrations  
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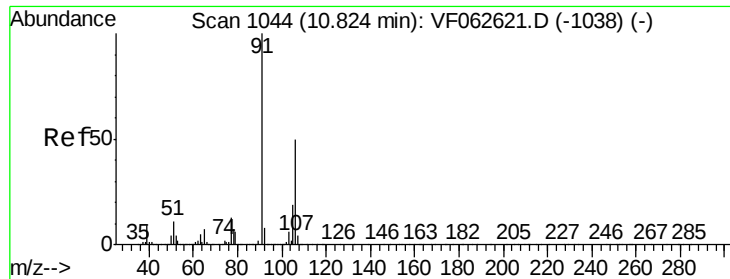
MMDadoda  
5/22/2019 4:20:58 PM



#68  
m/p-Xylenes  
Concen: 46.763 ug/l  
RT: 10.26 min Scan# 987  
Delta R.T. -0.01 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 575428 |       |       |
| 91      | 188.2 | 136.9 | 205.3  |       |       |





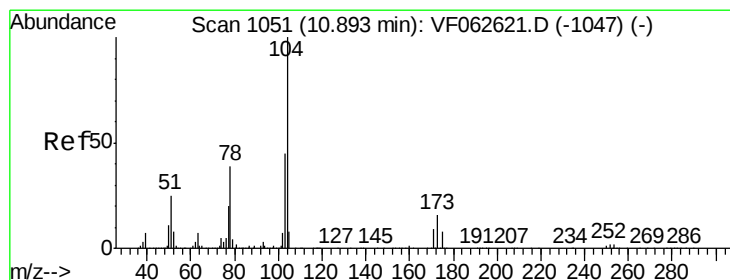
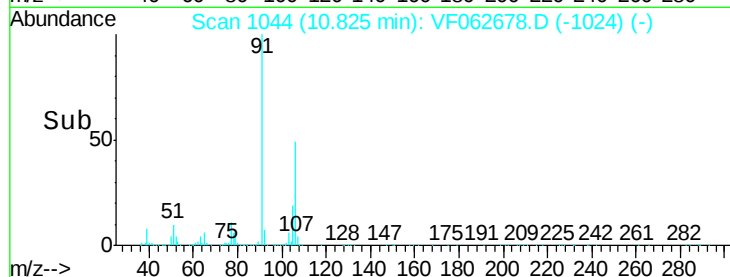
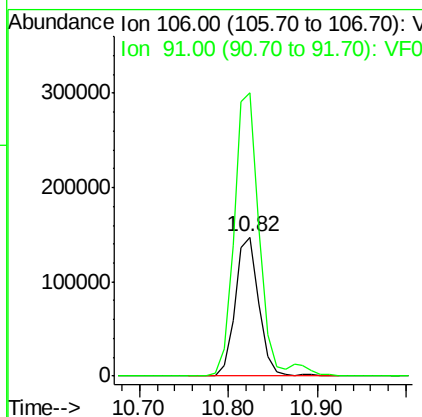
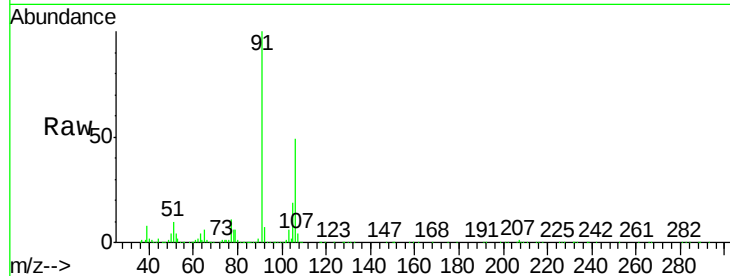
#69  
o-Xylene  
Concen: 21.548 ug/l  
RT: 10.82 min Scan# 1044  
Delta R.T. 0.00 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0521SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 106     | 100   | 273113 |       |       |
| 91      | 203.6 | 100.2  | 300.5 |       |

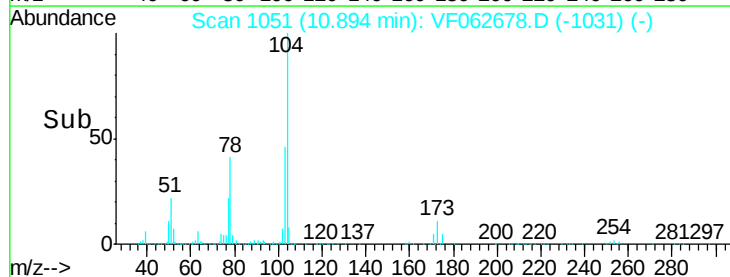
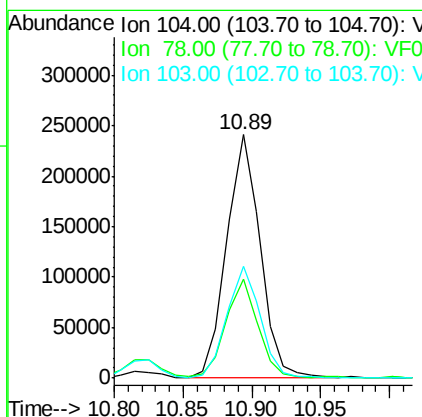
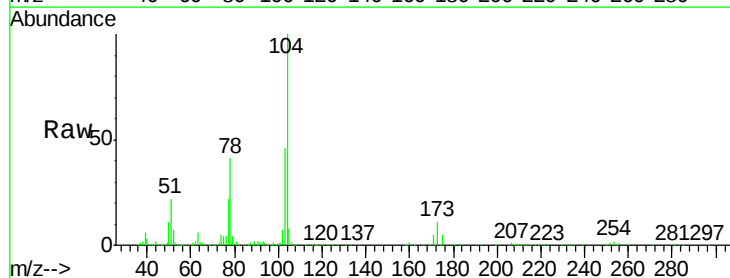
Manual Integrations  
APPROVED

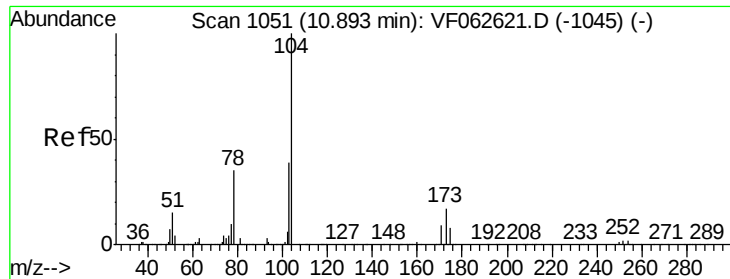
MMDadoda  
5/22/2019 4:20:58 PM



#70  
Styrene  
Concen: 21.102 ug/l  
RT: 10.89 min Scan# 1051  
Delta R.T. 0.00 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 104     | 100   | 406523 |       |       |
| 78      | 40.9  | 31.9   | 47.9  |       |
| 103     | 46.1  | 36.1   | 54.1  |       |





#71

Bromoform

Concen: 21.339 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

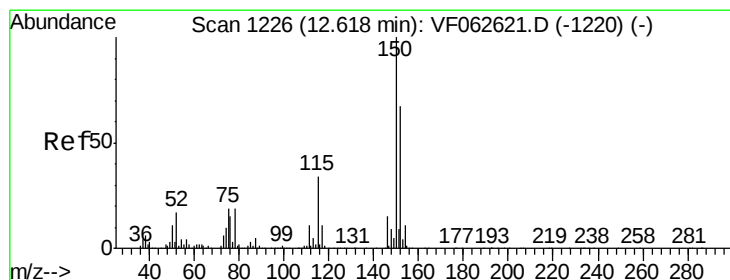
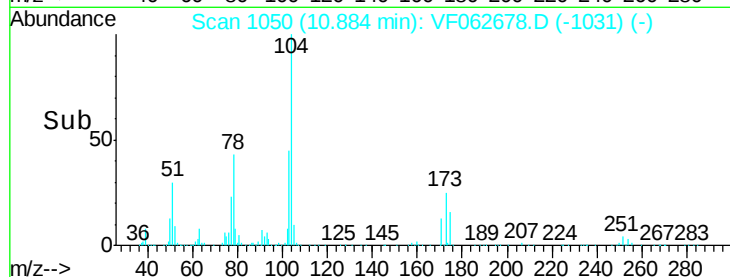
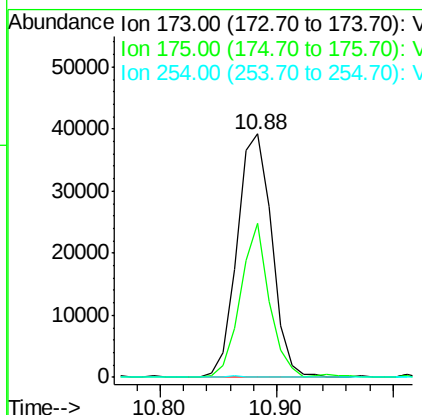
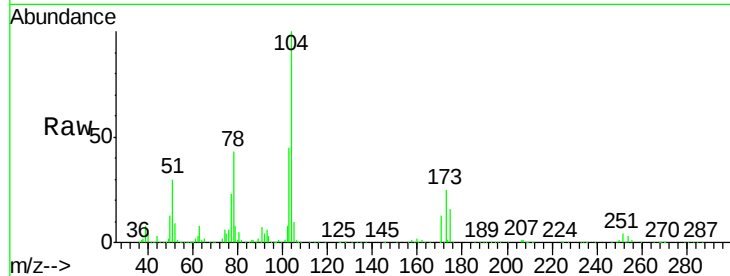
ClientSampleId :

VF0521SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 61.7  | 25.3  | 75.9  |
| 254     | 0.0   | 0.2   | 0.2   |

Manual Integrations  
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5/22/2019 4:20:58 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

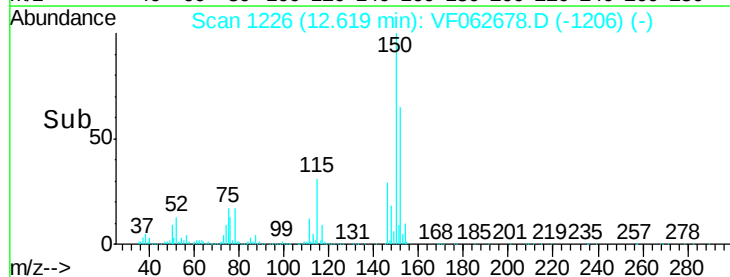
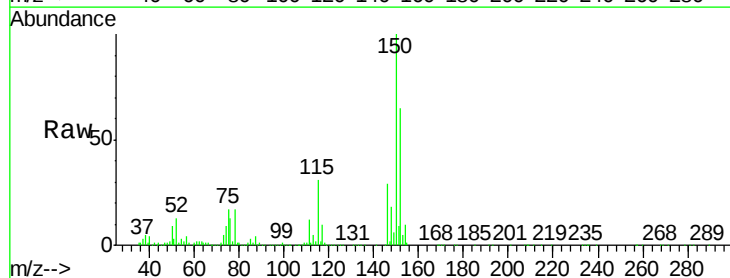
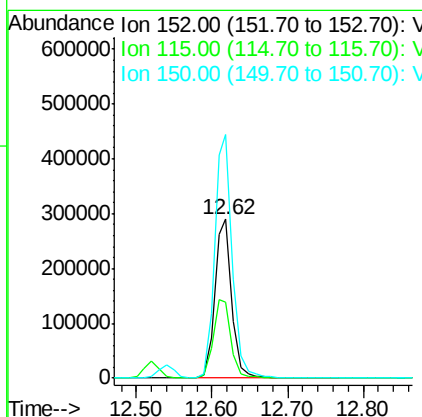
RT: 12.62 min Scan# 1226

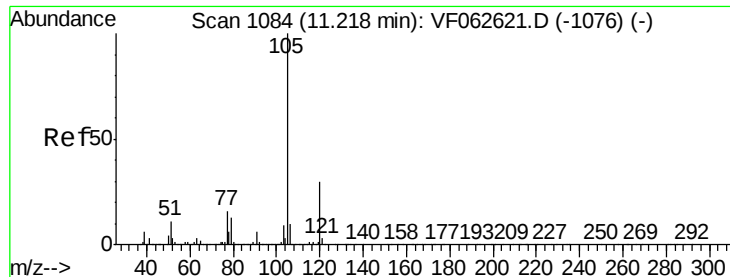
Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 47.6  | 25.2  | 75.6  |
| 150     | 153.5 | 0.0   | 306.2 |





#73

Isopropylbenzene

Concen: 22.677 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

ClientSampleId :

VF0521SBS01

Tot Ion: 105 Resp: 742907

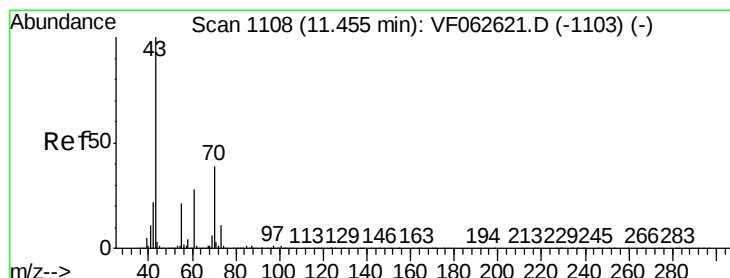
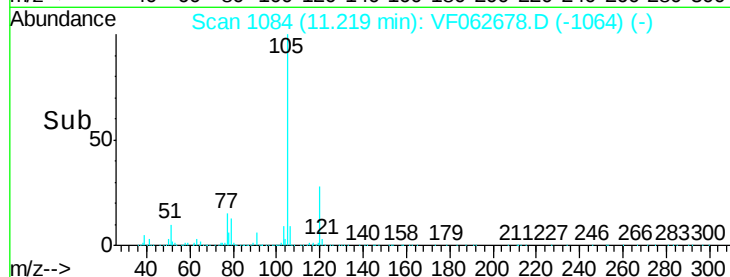
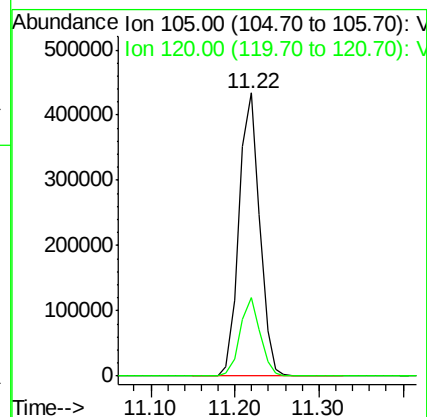
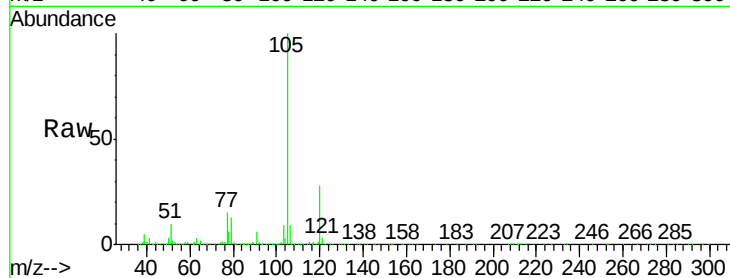
Ion Ratio Lower Upper

105 100

120 27.9 14.8 44.4

Manual Integrations  
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#74

N-ethyl acetate

Concen: 20.374 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Tgt Ion: 43 Resp: 196481

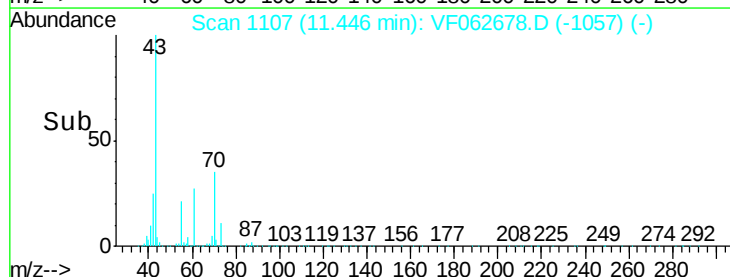
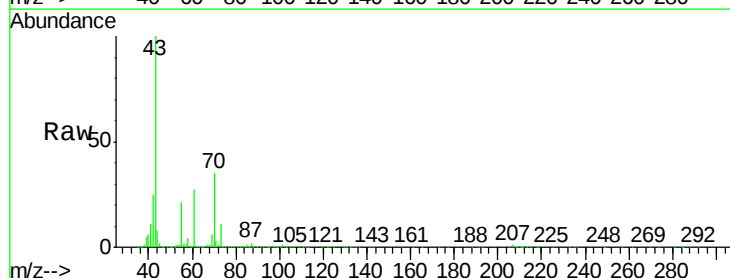
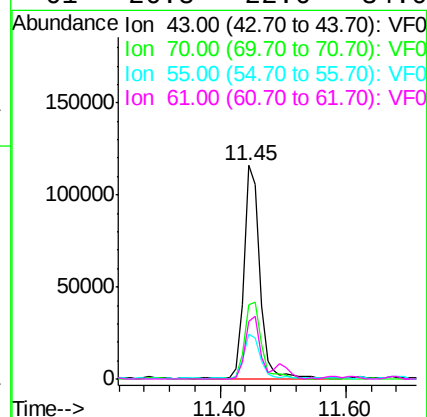
Ion Ratio Lower Upper

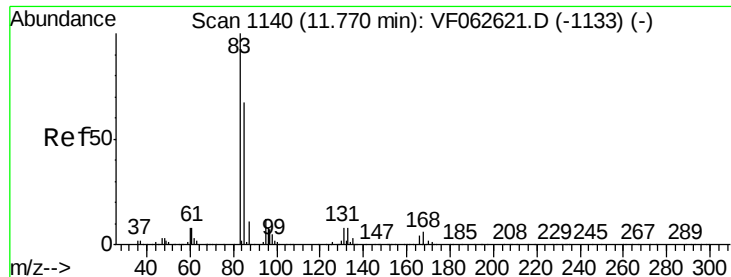
43 100

70 34.6 30.9 46.3

55 21.3 17.0 25.4

61 26.8 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.026 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

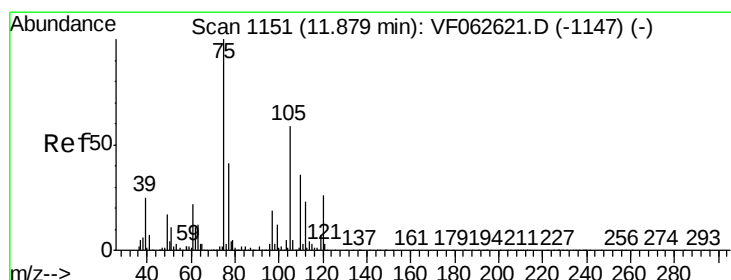
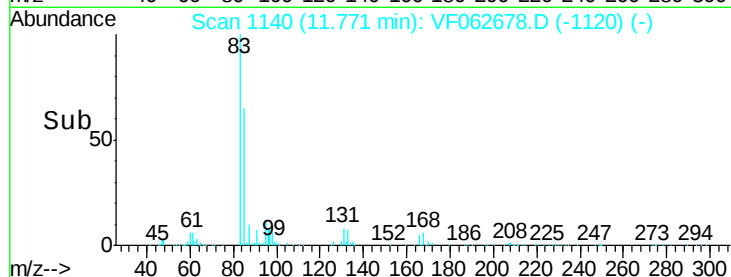
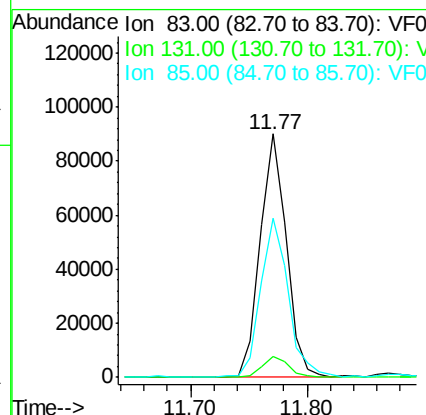
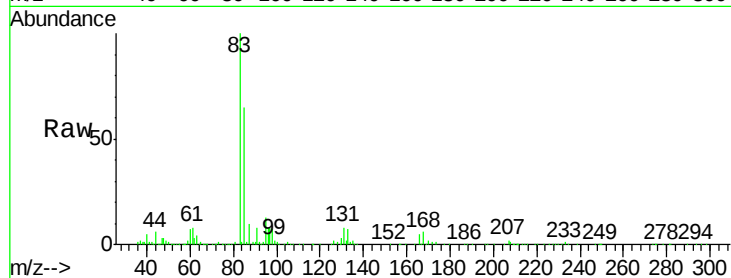
ClientSampleId :

VF0521SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 140771 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 8.4   | 4.0   | 12.0   |
| 85        | 65.2  | 33.5  | 100.5  |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 21.204 ug/l

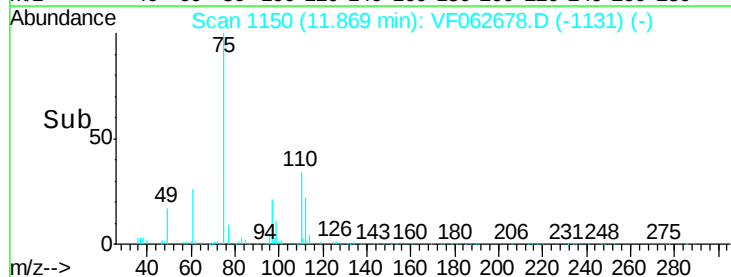
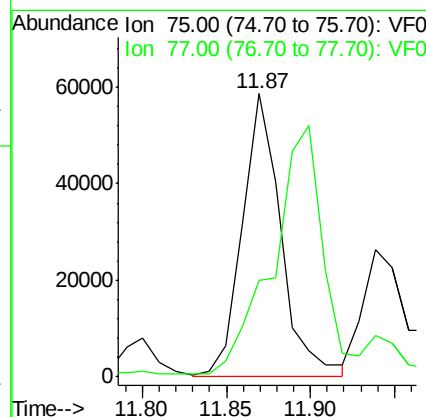
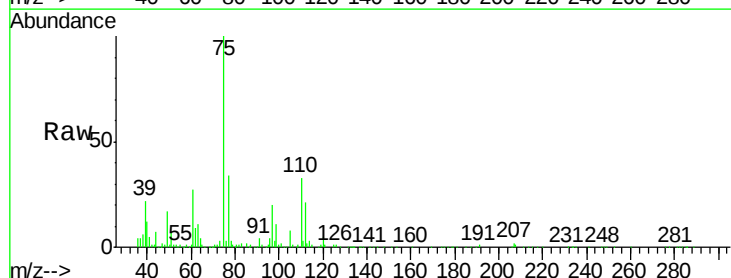
RT: 11.87 min Scan# 1150

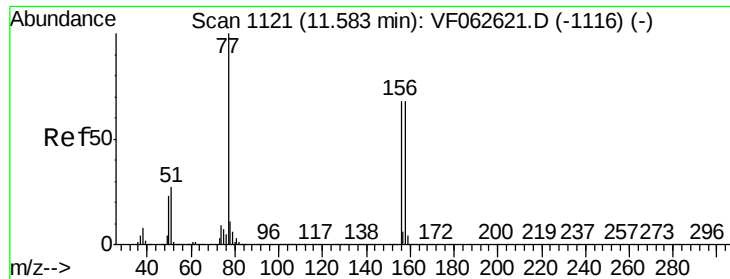
Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 93277 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 34.1  | 20.6  | 61.8  |





#77

Bromobenzene

Concen: 21.353 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

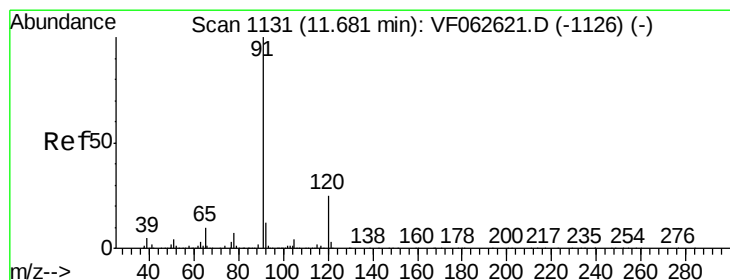
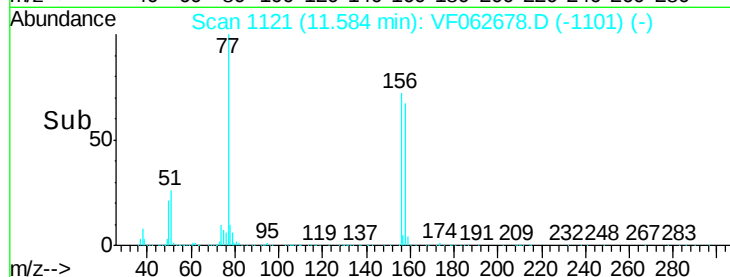
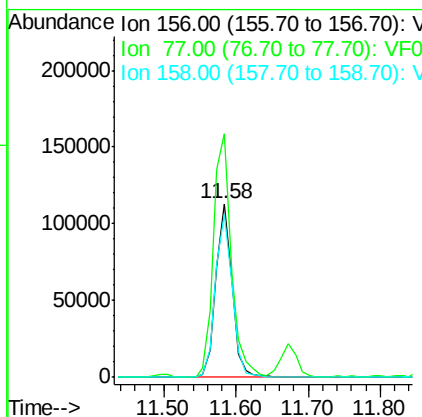
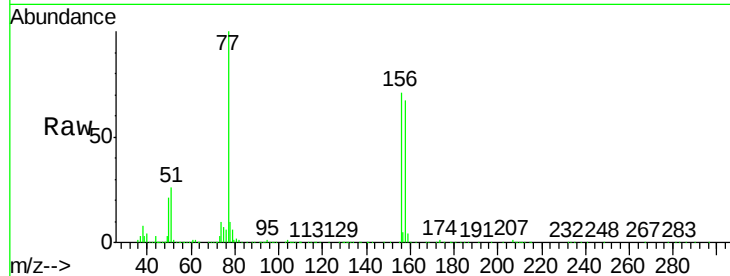
ClientSampleId :

VF0521SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 173885 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 140.1 | 73.6  | 220.8  |
| 158       | 93.8  | 49.6  | 148.8  |

Manual Integrations  
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#78

n-propylbenzene

Concen: 22.213 ug/l

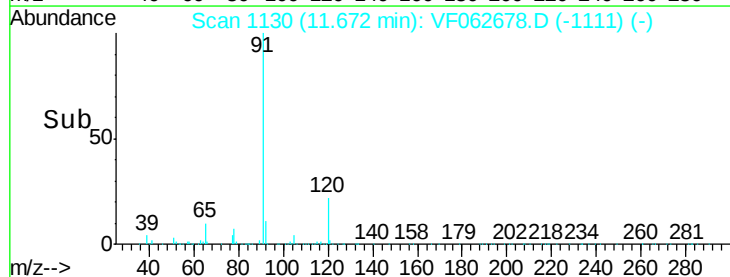
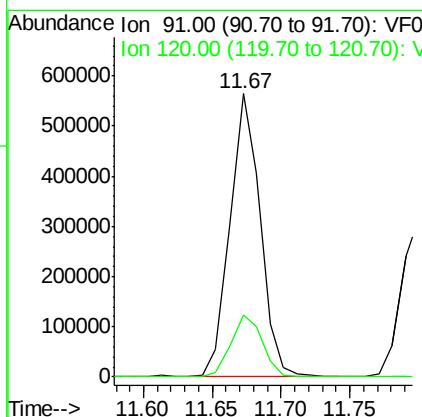
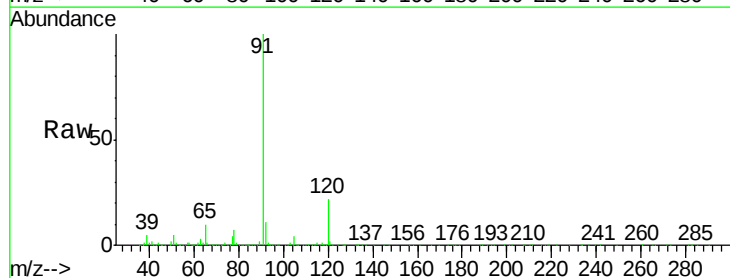
RT: 11.67 min Scan# 1130

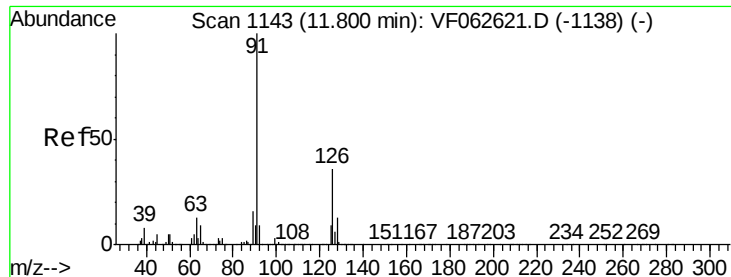
Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 861226 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 21.8  | 12.7  | 38.1   |





#79

2-Chlorotoluene

Concen: 22.519 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

ClientSampleId :

VF0521SBSD01

Tot Ion: 91 Resp: 492029

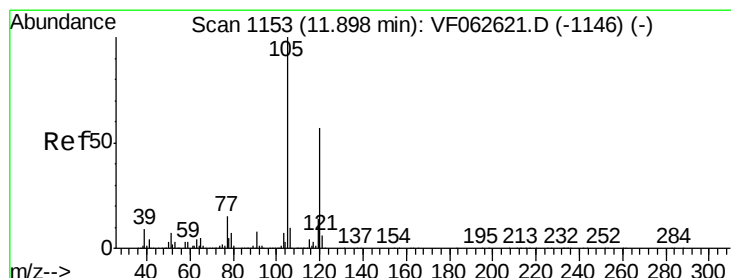
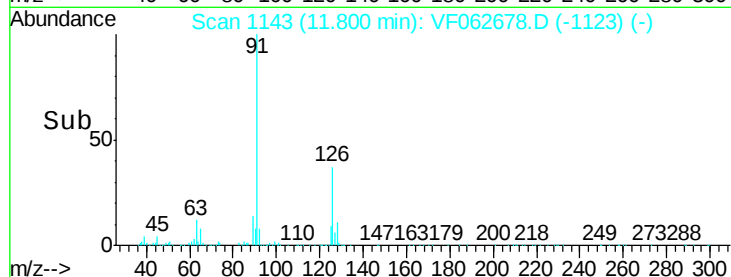
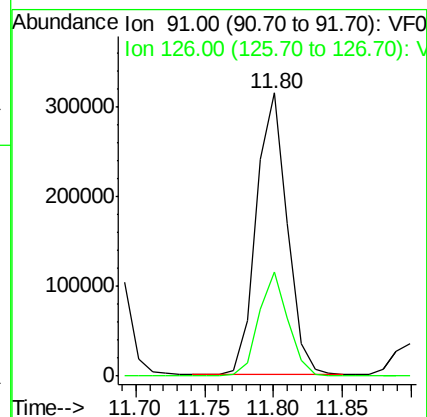
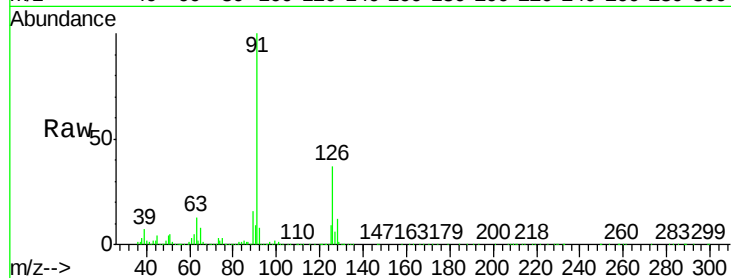
Ion Ratio Lower Upper

91 100

126 37.0 18.1 54.4

Manual Integrations  
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#80

1,3,5-Trimethylbenzene

Concen: 22.136 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062678.D

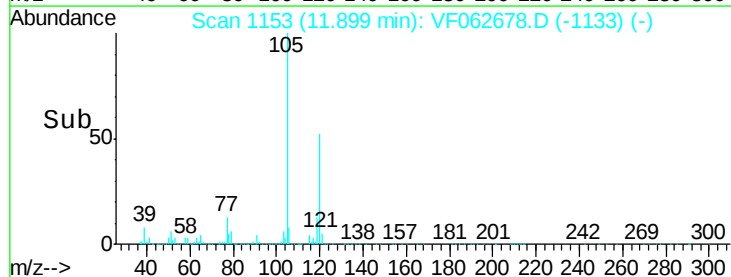
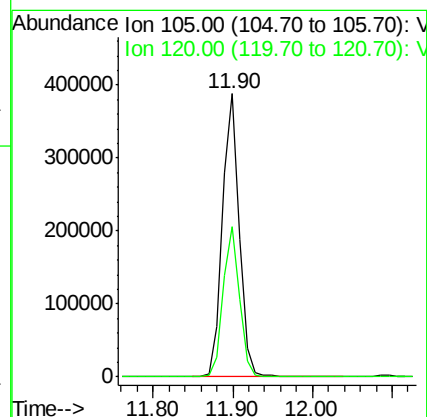
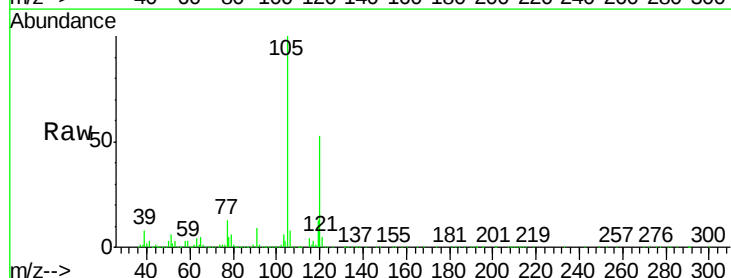
Acq: 21 May 2019 12:39

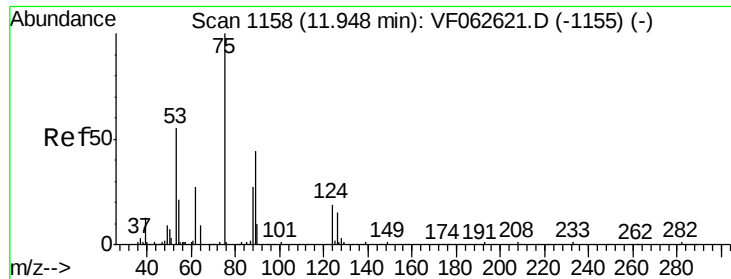
Tgt Ion:105 Resp: 581486

Ion Ratio Lower Upper

105 100

120 52.9 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 21.177 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

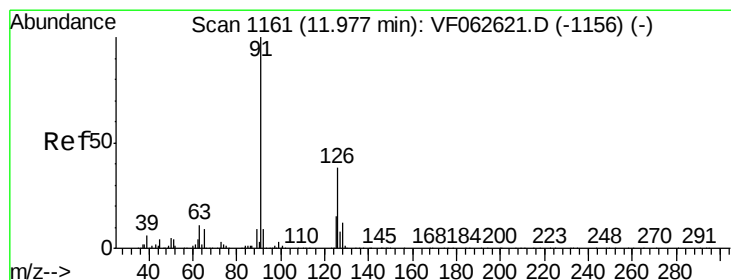
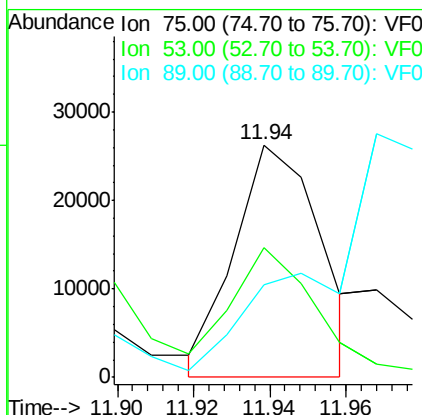
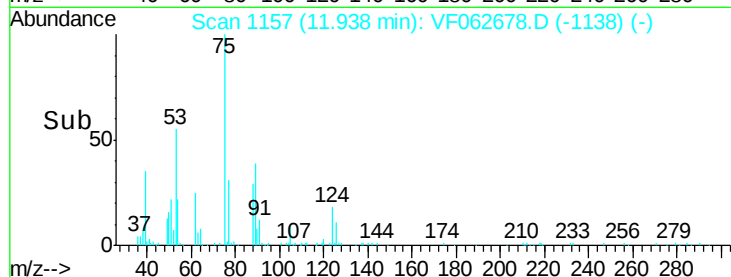
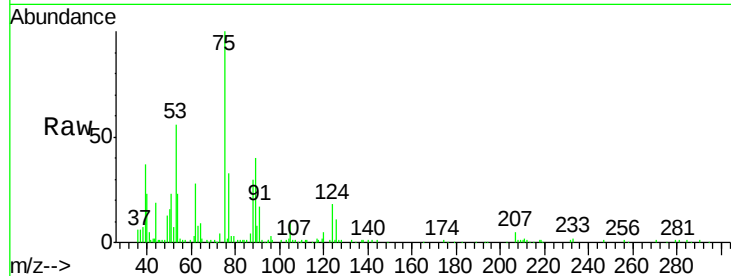
ClientSampleId :

VF0521SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 41409 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 55.7  | 46.9  | 70.3  |
| 89       | 39.9  | 36.4  | 54.6  |

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 21.330 ug/l

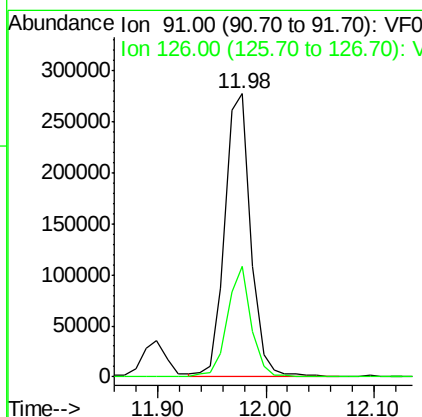
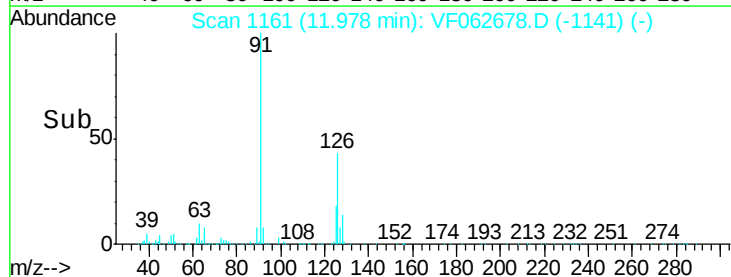
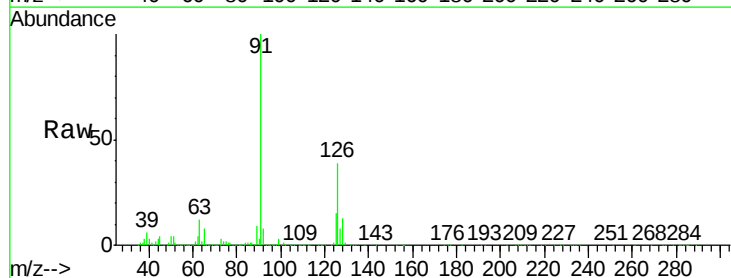
RT: 11.98 min Scan# 1161

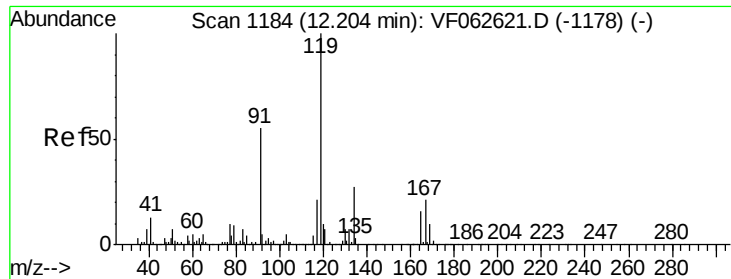
Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 459591 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 39.0  | 19.1  | 57.1   |





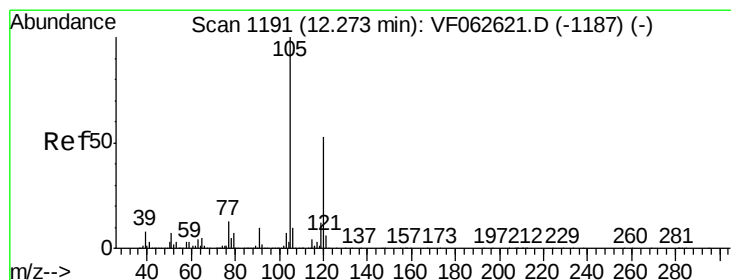
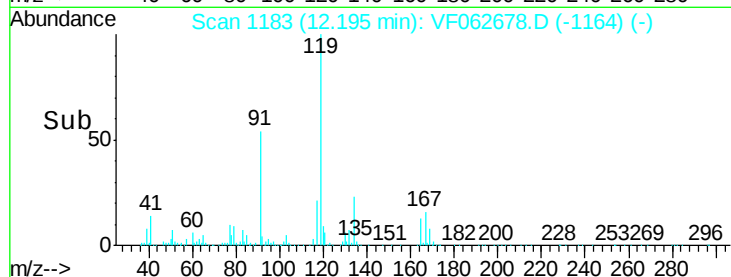
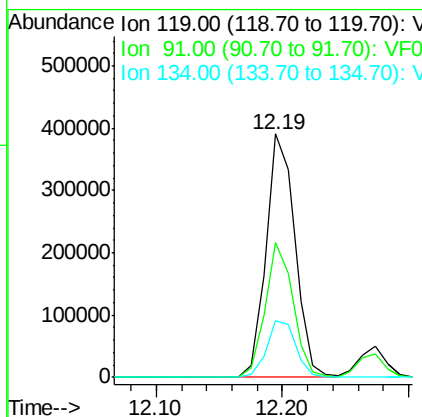
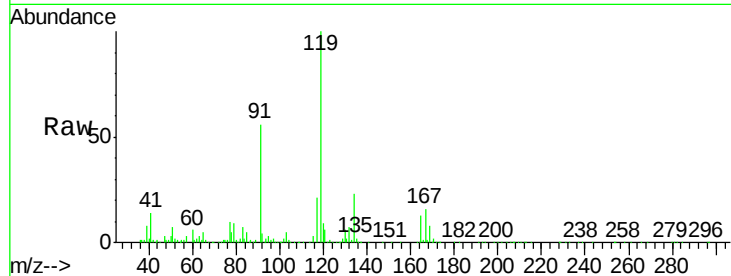
#83  
tert-Butylbenzene  
Concen: 23.442 ug/l  
RT: 12.19 min Scan# 1183  
Delta R.T. -0.01 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0521SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 55.5  | 27.3  | 81.9  |
| 134     | 23.2  | 13.6  | 40.7  |

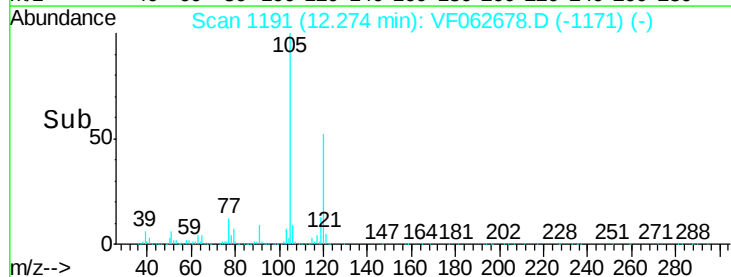
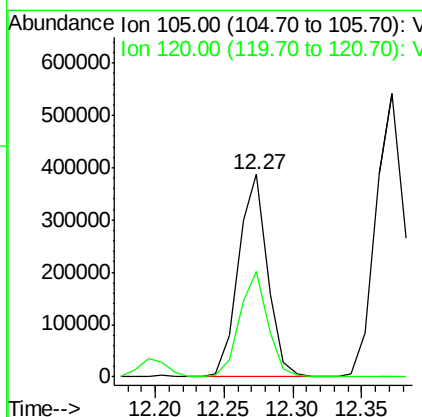
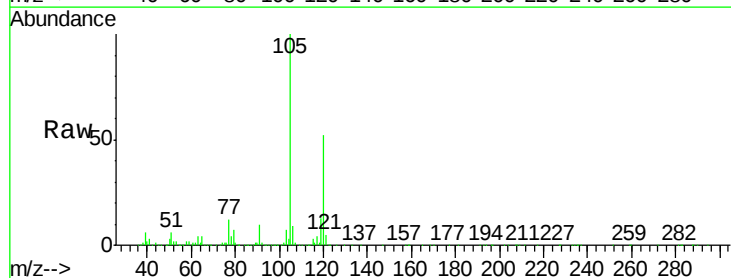
Manual Integrations  
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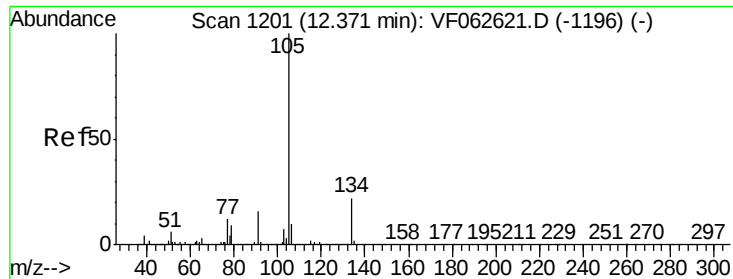
MMDadoda  
5/22/2019 4:20:58 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 22.412 ug/l  
RT: 12.27 min Scan# 1191  
Delta R.T. 0.00 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 52.3  | 26.7  | 80.1  |





#85

sec-Butylbenzene

Concen: 22.146 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

Instrument :

MSVOA\_F

ClientSampleId :

VF0521SBS01

Tot Ion:105 Resp: 792088

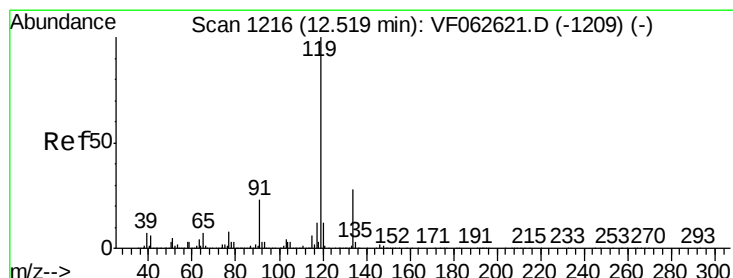
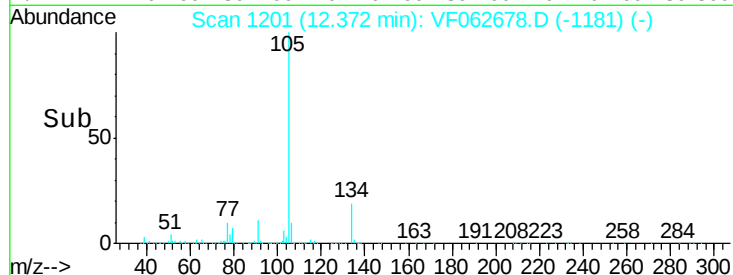
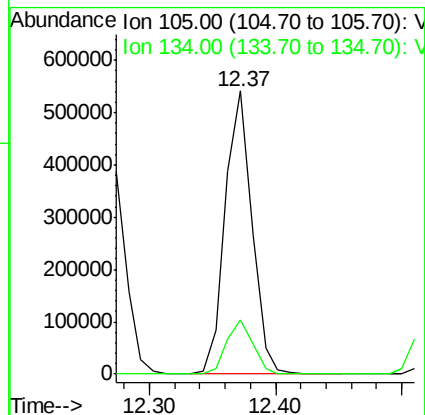
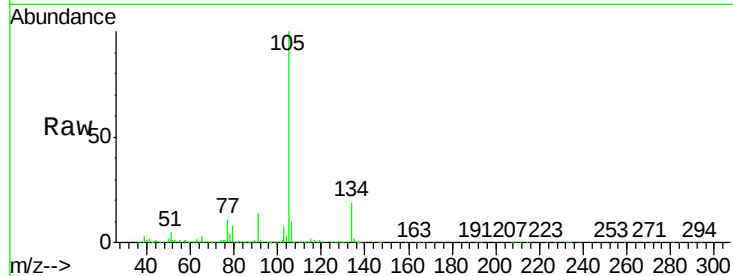
Ion Ratio Lower Upper

105 100

134 19.3 10.8 32.4

Manual Integrations  
APPROVED

MMDadoda  
5/22/2019 4:20:58 PM



#86

p-Isopropyltoluene

Concen: 22.798 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062678.D

Acq: 21 May 2019 12:39

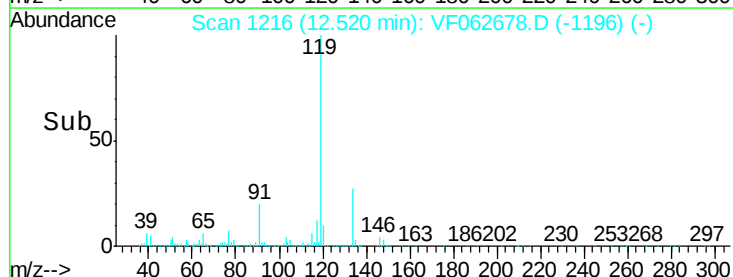
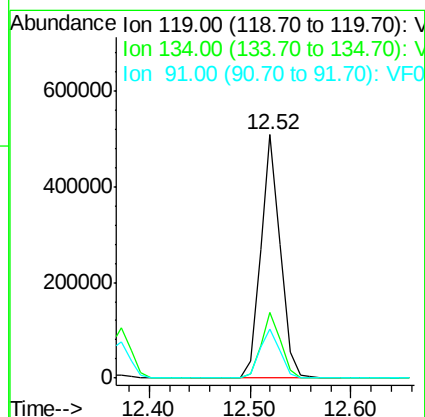
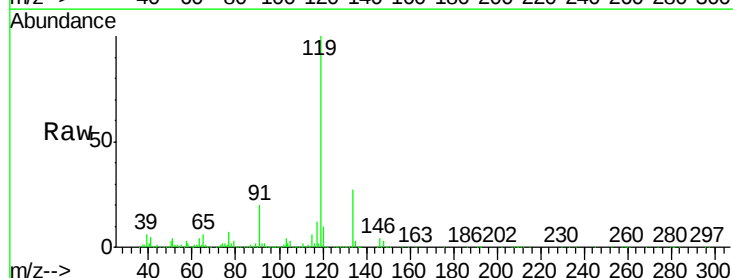
Tgt Ion:119 Resp: 687180

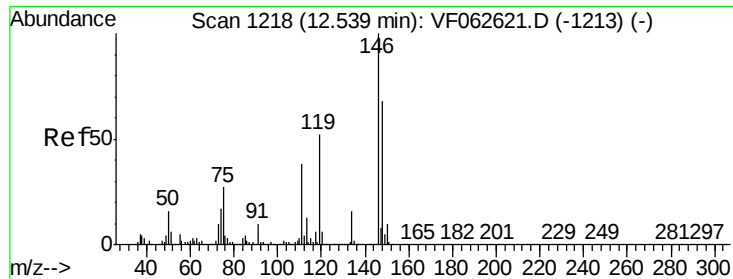
Ion Ratio Lower Upper

119 100

134 26.8 14.1 42.3

91 20.0 11.4 34.2





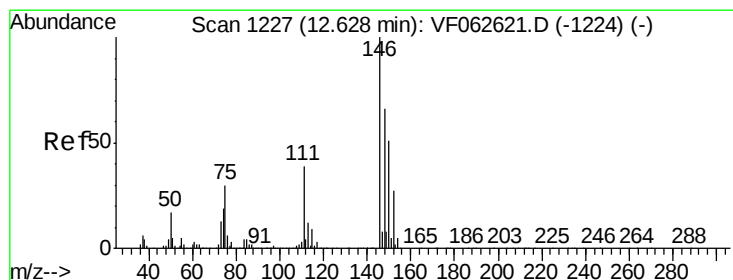
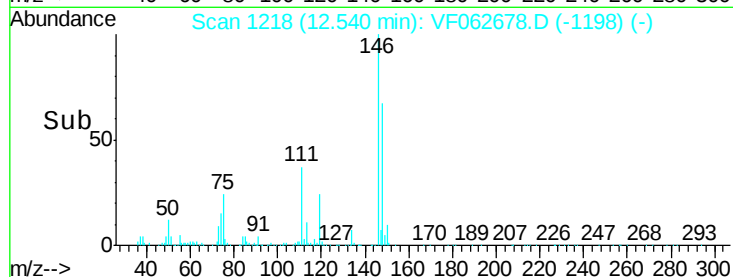
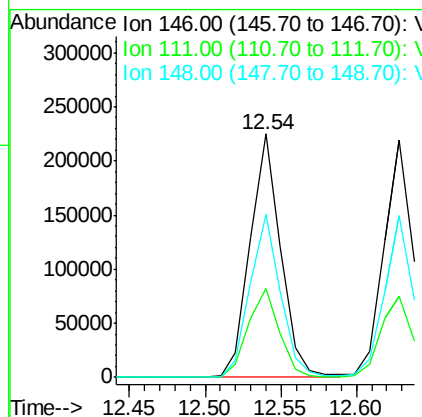
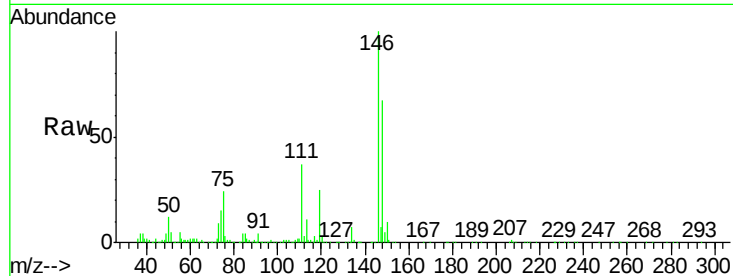
#87  
 1,3-Dichlorobenzene  
 Concen: 21.596 ug/l  
 RT: 12.54 min Scan# 1218  
 Delta R.T. 0.00 min  
 Lab File: VF062678.D  
 Acq: 21 May 2019 12:39

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0521SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.6  | 18.9  | 56.9  |
| 148     | 66.9  | 34.0  | 101.8 |

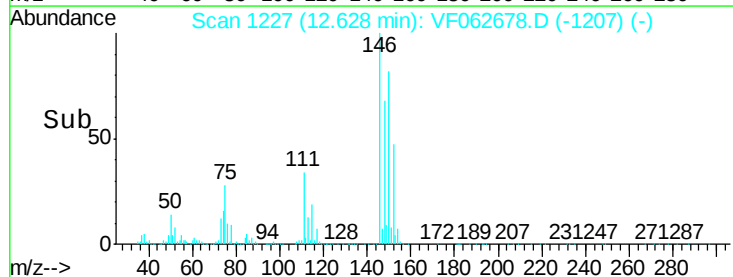
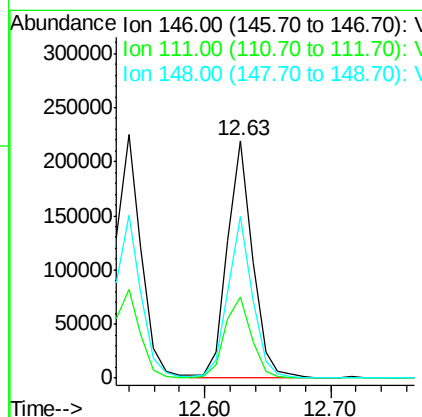
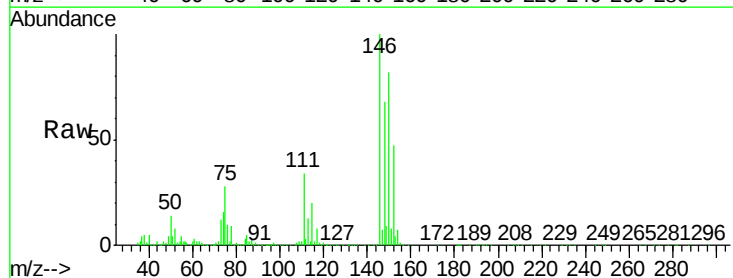
Manual Integrations  
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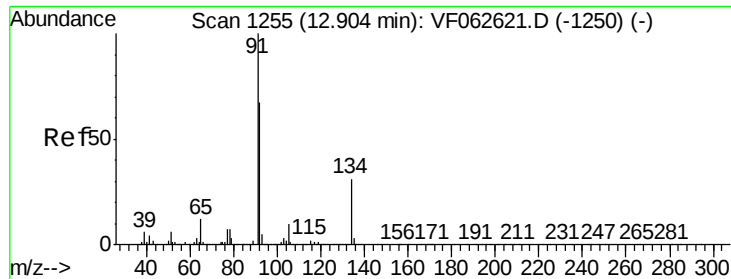
MMDadoda  
 5/22/2019 4:20:58 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 21.941 ug/l  
 RT: 12.63 min Scan# 1227  
 Delta R.T. 0.00 min  
 Lab File: VF062678.D  
 Acq: 21 May 2019 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 33.9  | 19.4  | 58.2  |
| 148     | 68.1  | 33.2  | 99.6  |





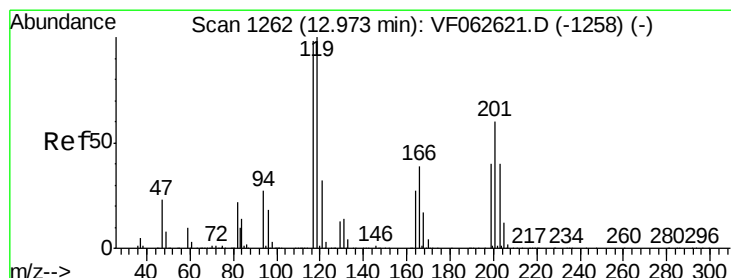
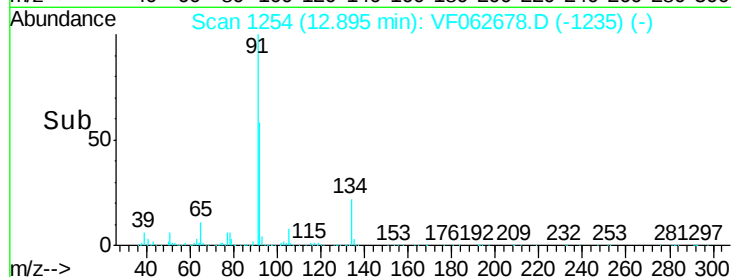
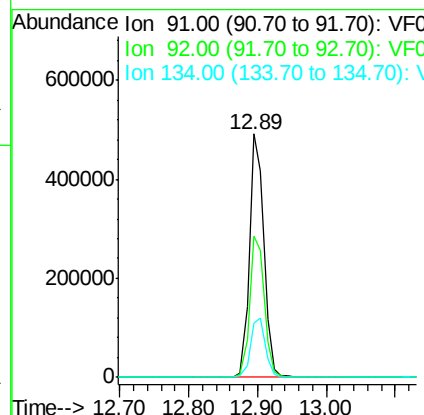
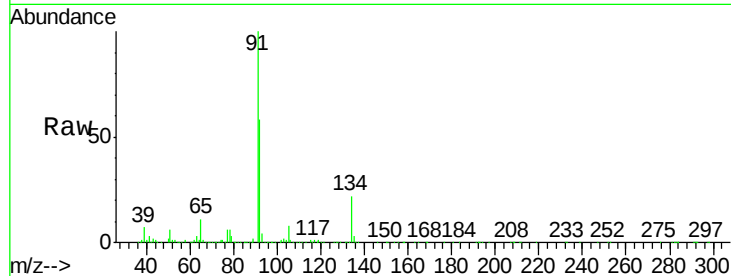
#89  
n-Butylbenzene  
Concen: 23.963 ug/l  
RT: 12.89 min Scan# 1254  
Delta R.T. -0.01 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0521SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 57.9  | 33.3  | 99.8  |
| 134     | 22.2  | 15.4  | 46.4  |

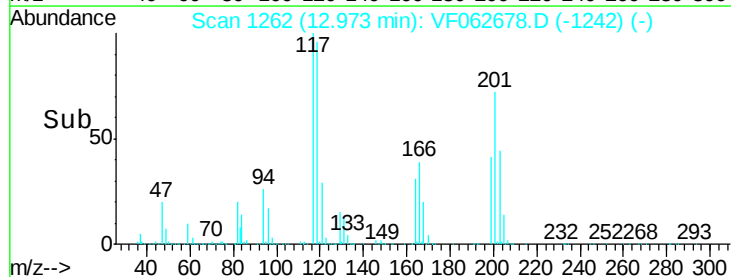
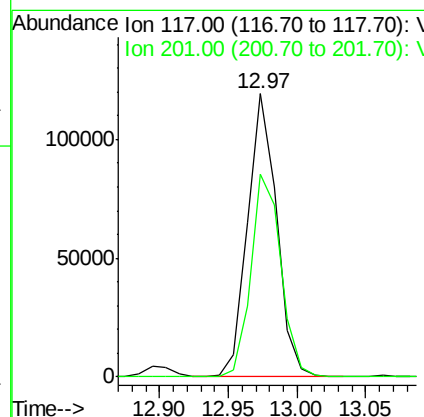
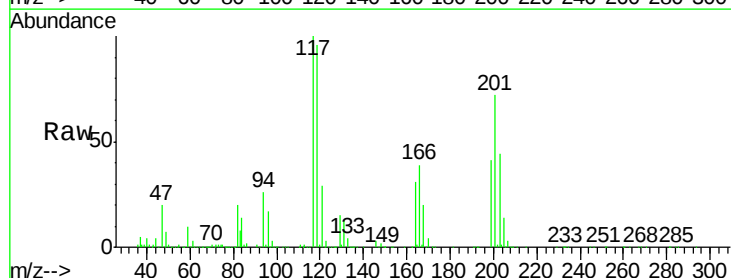
Manual Integrations  
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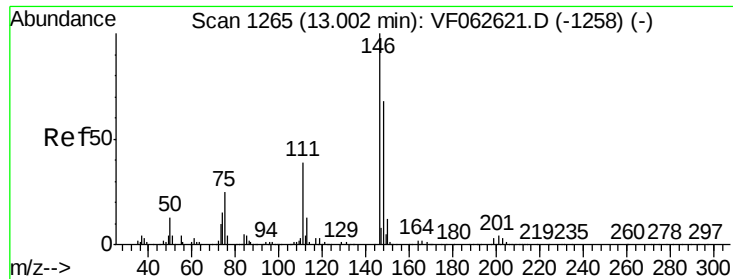
MMDadoda  
5/22/2019 4:20:58 PM



#90  
Hexachloroethane  
Concen: 24.367 ug/l  
RT: 12.97 min Scan# 1262  
Delta R.T. 0.00 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 71.6  | 30.7  | 92.1  |





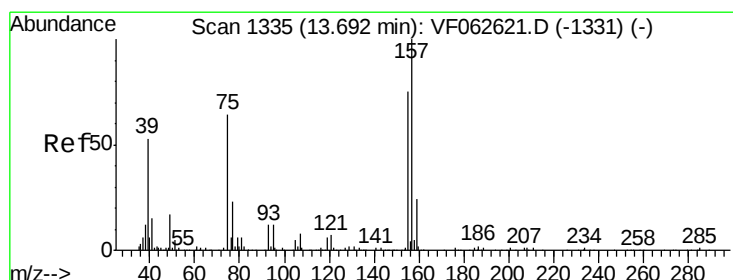
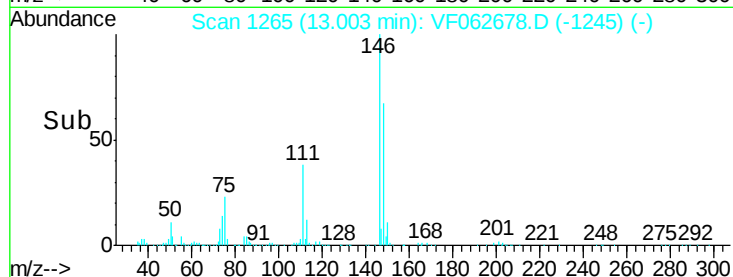
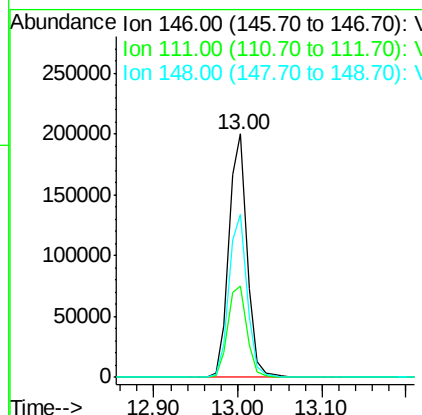
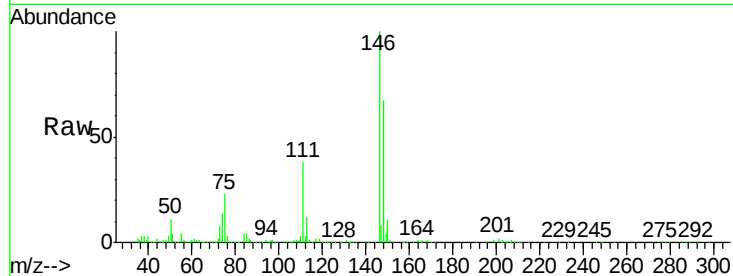
#91  
 1,2-Dichlorobenzene  
 Concen: 22.869 ug/l  
 RT: 13.00 min Scan# 1265  
 Delta R.T. 0.00 min  
 Lab File: VF062678.D  
 Acq: 21 May 2019 12:39

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0521SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.7  | 19.8  | 59.3  |
| 148     | 66.9  | 34.1  | 102.2 |

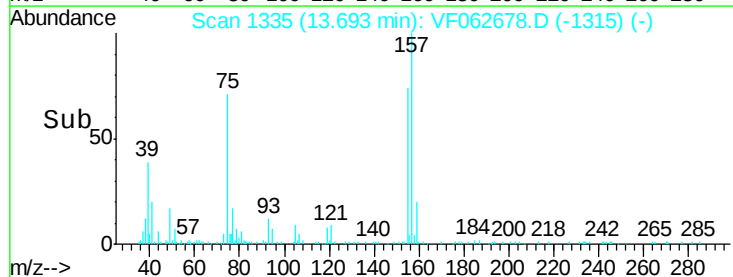
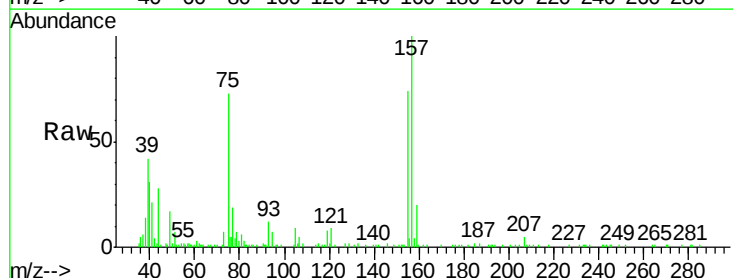
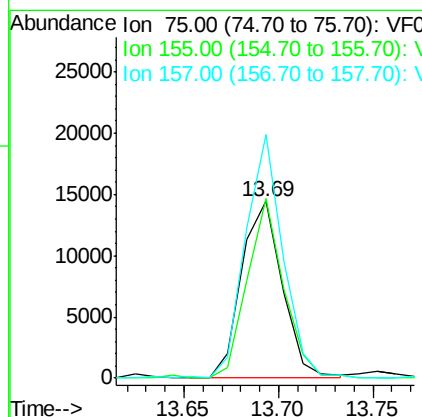
Manual Integrations  
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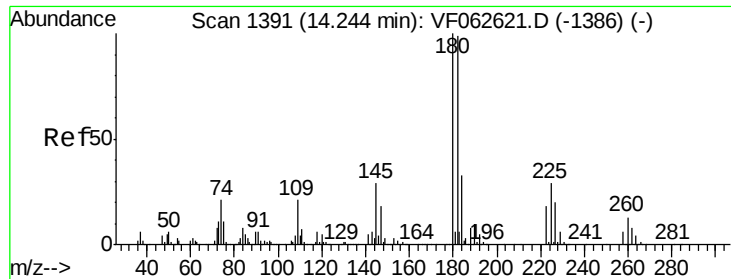
MMDadoda  
 5/22/2019 4:20:58 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 26.988 ug/l  
 RT: 13.69 min Scan# 1335  
 Delta R.T. 0.00 min  
 Lab File: VF062678.D  
 Acq: 21 May 2019 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 101.6 | 58.1  | 174.3 |
| 157     | 137.9 | 77.8  | 233.4 |





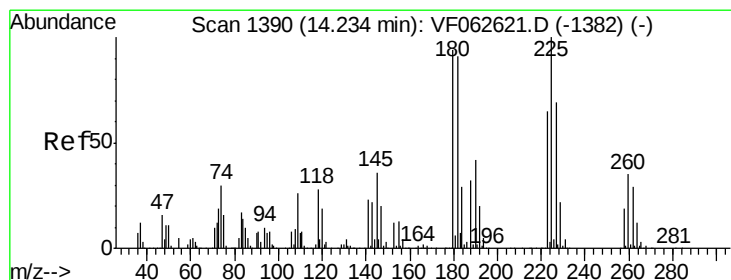
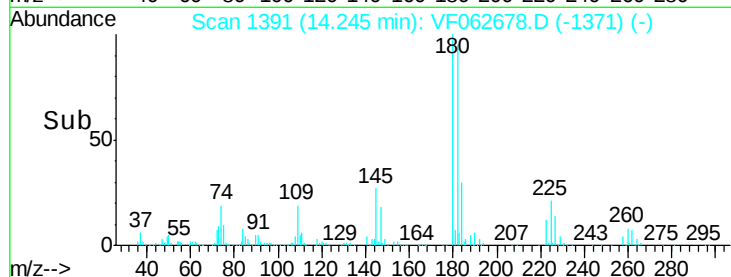
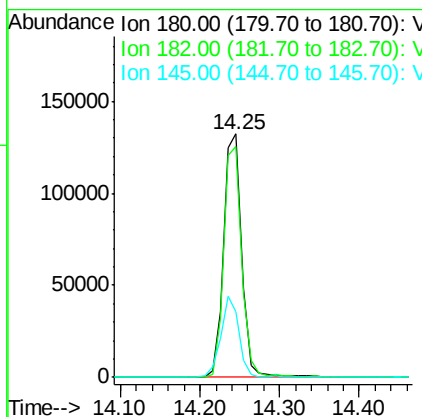
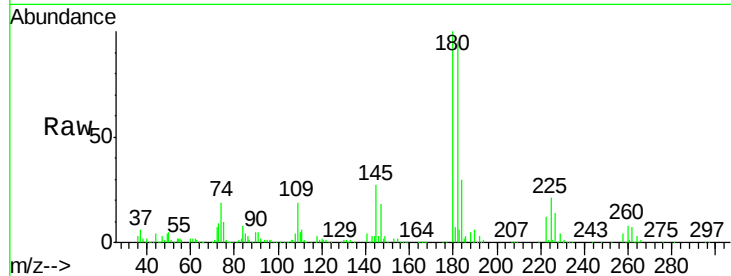
#93  
 1,2,4-Trichlorobenzene  
 Concen: 22.666 ug/l  
 RT: 14.25 min Scan# 1391  
 Delta R.T. 0.00 min  
 Lab File: VF062678.D  
 Acq: 21 May 2019 12:39

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0521SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 213065 |       |       |
| 182     | 94.7  | 49.7   | 149.1 |       |
| 145     | 27.1  | 14.6   | 44.0  |       |

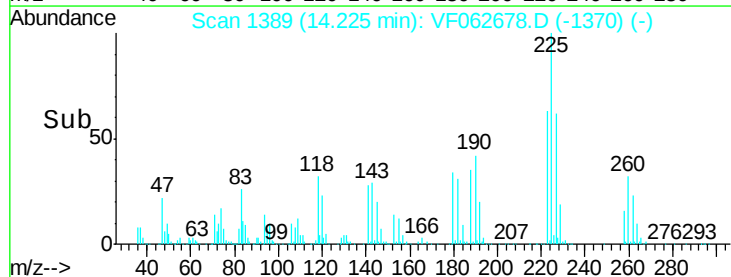
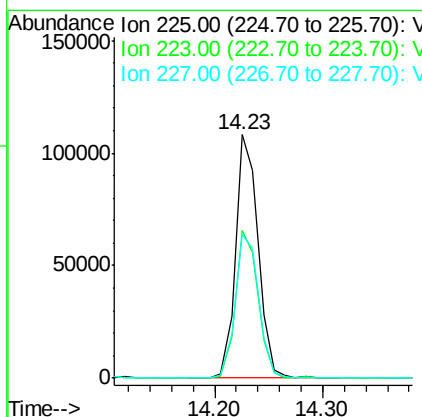
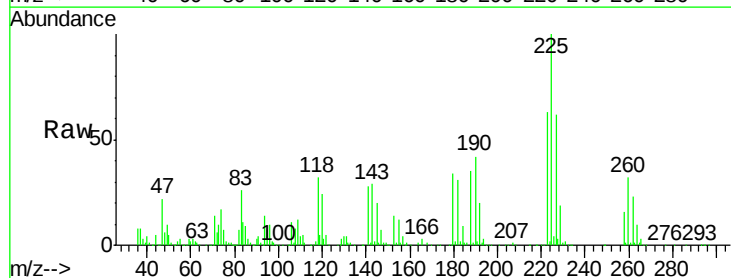
Manual Integrations  
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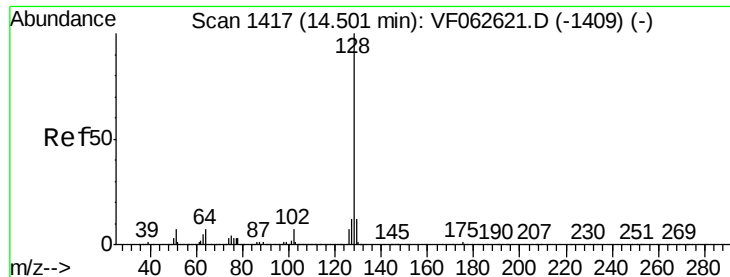
MMDadoda  
 5/22/2019 4:20:58 PM



#94  
 Hexachlorobutadiene  
 Concen: 23.881 ug/l  
 RT: 14.23 min Scan# 1389  
 Delta R.T. -0.01 min  
 Lab File: VF062678.D  
 Acq: 21 May 2019 12:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 156666 |       |       |
| 223     | 60.6  | 32.5   | 97.4  |       |
| 227     | 59.1  | 34.5   | 103.5 |       |





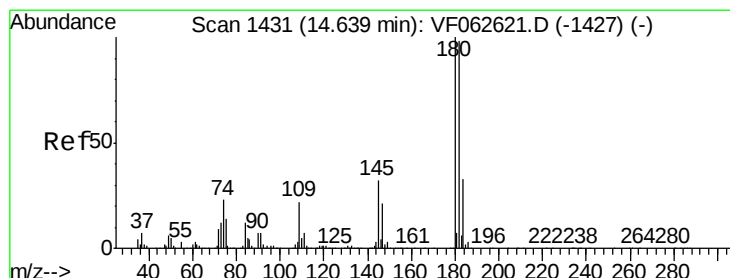
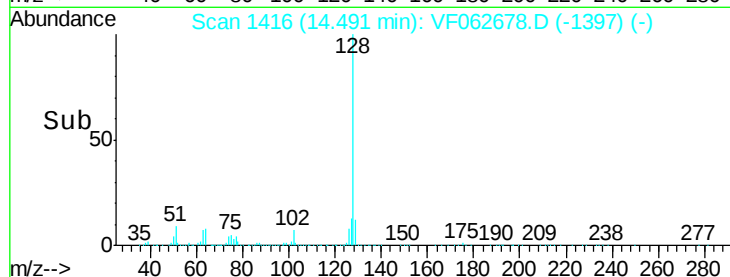
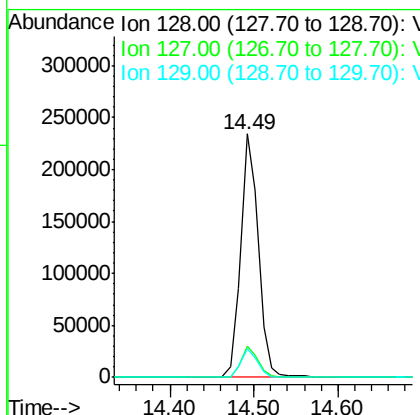
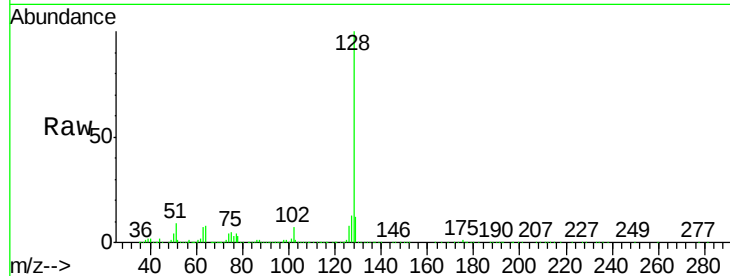
#95  
Naphthalene  
Concen: 20.043 ug/l  
RT: 14.49 min Scan# 1416  
Delta R.T. -0.01 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0521SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 342289 |       |       |
| 127     | 12.7  |        | 9.7   | 14.5  |
| 129     | 11.9  |        | 9.3   | 13.9  |

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5/22/2019 4:20:58 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 22.076 ug/l  
RT: 14.64 min Scan# 1431  
Delta R.T. 0.00 min  
Lab File: VF062678.D  
Acq: 21 May 2019 12:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 196571 |       |       |
| 182     | 96.8  |        | 48.9  | 146.7 |
| 145     | 29.9  |        | 16.1  | 48.2  |

