

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\  
 Data File : VF062777.D  
 Acq On : 29 May 2019 12:41  
 Operator : FY/SY  
 Sample : VF0529SBS01  
 Misc : 5.00g/5mL/MSVOA F/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0529SBS01

Manual Integrations  
 APPROVED

mmdadoda  
 5/30/2019 11:02:05 AM

Quant Time: May 30 08:54:40 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      | 5.08  | 168  | 733347   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.80  | 114  | 1228719  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.94  | 117  | 902266   | 50.00 | ug/l  | 0.02     |
| 72) 1,4-Dichlorobenzene-d4 | 12.62 | 152  | 469019   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 5.05   | 65  | 221016   | 42.65 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 85.30% |      |
| 35) Dibromofluoromethane  | 4.33   | 113 | 414617   | 44.10 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 88.20% |      |
| 50) Toluene-d8            | 7.73   | 98  | 967029   | 43.08 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 86.16% |      |
| 62) 4-Bromofluorobenzene  | 11.50  | 95  | 361261   | 42.43 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 84.86% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.01 | 85  | 187457  | 18.784  | ug/l   | 94     |
| 3) Chloromethane              | 1.14 | 50  | 160546  | 17.471  | ug/l   | 99     |
| 4) Vinyl Chloride             | 1.19 | 62  | 167472  | 19.799  | ug/l   | 99     |
| 5) Bromomethane               | 1.38 | 94  | 90260   | 19.506  | ug/l   | 92     |
| 6) Chloroethane               | 1.45 | 64  | 59543   | 19.167  | ug/l   | 100    |
| 7) Trichlorofluoromethane     | 1.56 | 101 | 247140  | 21.760  | ug/l   | 89     |
| 8) Diethyl Ether              | 1.73 | 74  | 46568   | 20.697  | ug/l   | 71     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.92 | 101 | 152308  | 21.061  | ug/l   | 95     |
| 10) Methyl Iodide             | 1.99 | 142 | 295526  | 20.802  | ug/l   | 95     |
| 11) Tert butyl alcohol        | 2.72 | 59  | 36026   | 105.298 | ug/l # | 90     |
| 12) 1,1-Dichloroethene        | 1.87 | 96  | 129534  | 19.663  | ug/l   | 99     |
| 13) Acrolein                  | 2.11 | 56  | 28850   | 80.781  | ug/l   | 84     |
| 14) Allyl chloride            | 2.21 | 41  | 131457  | 22.048  | ug/l   | 100    |
| 15) Acrylonitrile             | 3.13 | 53  | 124190  | 128.681 | ug/l # | 91     |
| 16) Acetone                   | 2.37 | 43  | 127129  | 94.560  | ug/l   | 95     |
| 17) Carbon Disulfide          | 1.91 | 76  | 376795  | 19.297  | ug/l # | 93     |
| 18) Methyl Acetate            | 2.47 | 43  | 51362   | 24.311  | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 2.56 | 73  | 263110  | 22.341  | ug/l   | 98     |
| 20) Methylene Chloride        | 2.30 | 84  | 142338m | 21.122  | ug/l   |        |
| 21) trans-1,2-Dichloroethene  | 2.44 | 96  | 149761  | 23.258  | ug/l   | 94     |
| 22) Diisopropyl ether         | 2.95 | 45  | 308312  | 20.966  | ug/l   | 96     |
| 23) Vinyl Acetate             | 3.36 | 43  | 1049360 | 105.783 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 3.03 | 63  | 230891  | 21.403  | ug/l   | 99     |
| 25) 2-Butanone                | 4.54 | 43  | 299926  | 104.418 | ug/l   | 95     |
| 26) 2,2-Dichloropropane       | 3.80 | 77  | 150473  | 24.378  | ug/l   | 89     |
| 27) cis-1,2-Dichloroethene    | 3.67 | 96  | 249695  | 23.575  | ug/l   | 93     |
| 28) Bromochloromethane        | 3.93 | 49  | 108138  | 17.873  | ug/l   | 96     |
| 29) Tetrahydrofuran           | 4.29 | 42  | 133717  | 115.041 | ug/l   | 98     |
| 30) Chloroform                | 4.07 | 83  | 338139  | 22.576  | ug/l   | 98     |
| 31) Cyclohexane               | 3.90 | 56  | 295402  | 20.394  | ug/l   | 94     |
| 32) 1,1,1-Trichloroethane     | 4.32 | 97  | 221983  | 22.316  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 4.50 | 75  | 258039  | 20.495  | ug/l   | 98     |
| 37) Ethyl Acetate             | 4.33 | 43  | 103186  | 20.072  | ug/l   | 82     |
| 38) Carbon Tetrachloride      | 4.21 | 117 | 199044  | 21.020  | ug/l   | 90     |

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 Sample : VF0529SBS01  
 Misc : 5.00g/5mL/MSVOA F/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleID :  
 VF0529SBS01

Manual Integrations  
 APPROVED

mmdadoda  
 5/30/2019 11:02:05 AM

Quant Time: May 30 08:54:40 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          | 5.66  | 83   | 336806   | 22.232  | ug/l   | 95       |
| 40) Benzene                    | 4.85  | 78   | 801730   | 23.374  | ug/l   | 99       |
| 41) Methacrylonitrile          | 4.95  | 41   | 56465    | 20.951  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 5.16  | 62   | 141813   | 20.733  | ug/l   | 90       |
| 43) Isopropyl Acetate          | 7.14  | 43   | 135764   | 20.385  | ug/l # | 88       |
| 44) Trichloroethene            | 5.71  | 130  | 218540   | 22.670  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 6.43  | 63   | 198423   | 22.916  | ug/l   | 96       |
| 46) Dibromomethane             | 6.28  | 93   | 121048   | 24.190  | ug/l   | 94       |
| 47) Bromodichloromethane       | 6.58  | 83   | 234704   | 22.593  | ug/l # | 98       |
| 48) Methyl methacrylate        | 6.90  | 41   | 69980    | 20.103  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 6.91  | 88   | 16601    | 372.341 | ug/l # | 70       |
| 51) 4-Methyl-2-Pentanone       | 8.42  | 43   | 535802   | 117.697 | ug/l   | 99       |
| 52) Toluene                    | 7.80  | 92   | 417915   | 23.232  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 8.44  | 75   | 197789   | 23.272  | ug/l   | 94       |
| 54) cis-1,3-Dichloropropene    | 7.48  | 75   | 280034   | 23.538  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 8.66  | 97   | 136264   | 25.584  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 8.77  | 69   | 134210   | 21.151  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 9.01  | 76   | 214267   | 23.618  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 7.47  | 63   | 222102   | 107.532 | ug/l   | 96       |
| 59) 2-Hexanone                 | 9.64  | 43   | 371373   | 115.818 | ug/l   | 98       |
| 60) Dibromochloromethane       | 8.88  | 129  | 165953   | 23.907  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 9.15  | 107  | 134645   | 23.801  | ug/l   | 95       |
| 64) Tetrachloroethene          | 8.33  | 164  | 162882   | 22.787  | ug/l   | 96       |
| 65) Chlorobenzene              | 9.95  | 112  | 436687   | 24.642  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.07 | 131  | 184253   | 25.899  | ug/l   | 94       |
| 67) Ethyl Benzene              | 10.04 | 91   | 793528   | 25.776  | ug/l   | 97       |
| 68) m/p-Xylenes                | 10.27 | 106  | 593771   | 51.317  | ug/l   | 90       |
| 69) o-Xylene                   | 10.83 | 106  | 302266   | 25.362  | ug/l   | 99       |
| 70) Styrene                    | 10.90 | 104  | 453517   | 25.036  | ug/l   | 97       |
| 71) Bromoform                  | 10.89 | 173  | 88398    | 24.810  | ug/l # | 89       |
| 73) Isopropylbenzene           | 11.23 | 105  | 766983   | 22.817  | ug/l   | 96       |
| 74) N-amyl acetate             | 11.45 | 43   | 225506   | 23.506  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.78 | 83   | 166606   | 24.252  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.88 | 75   | 106004   | 23.484  | ug/l   | 91       |
| 77) Bromobenzene               | 11.59 | 156  | 190815   | 22.836  | ug/l   | 95       |
| 78) n-propylbenzene            | 11.68 | 91   | 930912   | 23.400  | ug/l   | 92       |
| 79) 2-Chlorotoluene            | 11.81 | 91   | 517687   | 23.090  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.91 | 105  | 647902   | 24.037  | ug/l   | 94       |
| 81) trans-1,4-Dichloro-2-buten | 11.95 | 75   | 49358m   | 24.600  | ug/l   |          |
| 82) 4-Chlorotoluene            | 11.99 | 91   | 541750   | 24.503  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.20 | 119  | 644612   | 23.572  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 12.28 | 105  | 608696   | 23.332  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 12.38 | 105  | 865793   | 23.591  | ug/l   | 97       |
| 86) p-Isopropyltoluene         | 12.53 | 119  | 697581   | 22.555  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene        | 12.55 | 146  | 345045   | 22.825  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene        | 12.64 | 146  | 326844   | 23.039  | ug/l   | 97       |
| 89) n-Butylbenzene             | 12.90 | 91   | 703869   | 23.082  | ug/l   | 91       |
| 90) Hexachloroethane           | 12.98 | 117  | 167822   | 22.619  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene        | 13.00 | 146  | 304299   | 22.582  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.69 | 75   | 19816    | 24.180  | ug/l   | 61       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052919\  
Data File : VF062777.D  
Acq On : 29 May 2019 12:41  
Operator : FY/SY  
Sample : VF0529SBSD01  
Misc : 5.00g/5mL/MSVOA F/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0529SBSD01

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Quant Time: May 30 08:54:40 2019  
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Quant Title : SW846 8260  
QLast Update : Fri May 17 05:49:09 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.24 | 180  | 204436   | 21.195 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 14.23 | 225  | 145235   | 21.576 | ug/l  | 94       |
| 95) Naphthalene            | 14.50 | 128  | 343138   | 19.582 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.65 | 180  | 192144   | 21.030 | ug/l  | 97       |

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

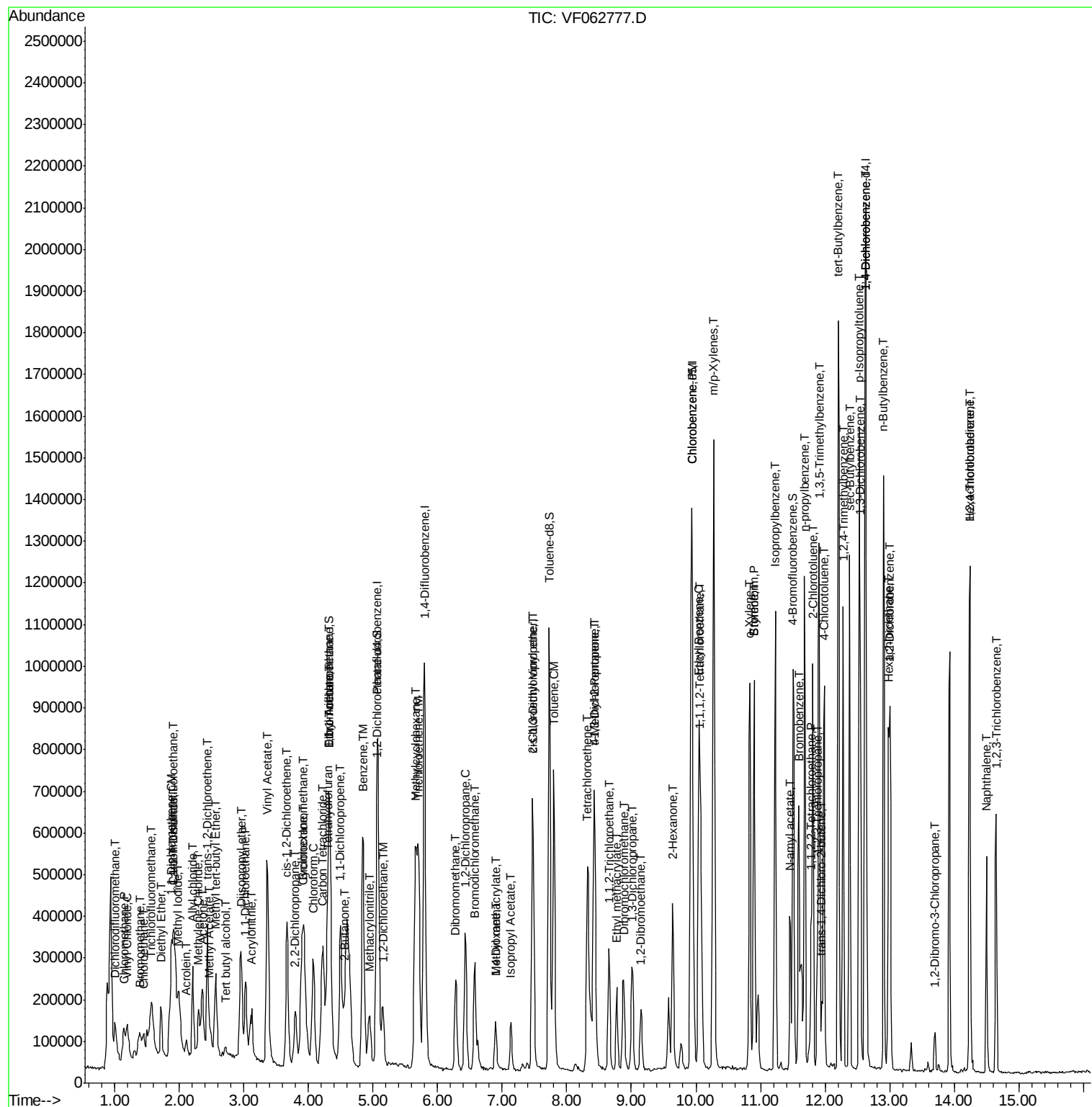
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 Data File : VF062777.D  
 Acq On : 29 May 2019 12:41  
 Operator : FY/SY  
 Sample : VF0529SBSD01  
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 ALS Vial : 6 Sample Multiplier: 1

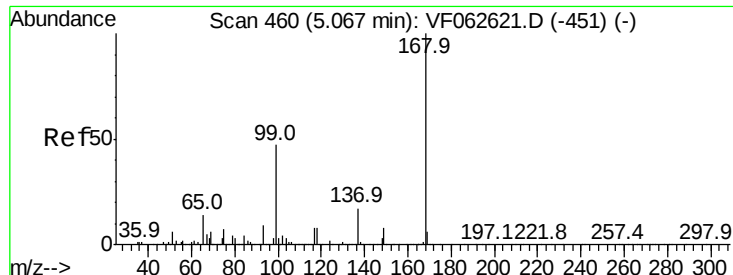
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0529SBSD01

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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

ClientSampleId :

VF0529SBS01

Tot Ion:168 Resp: 733347

Ion Ratio Lower Upper

168 100

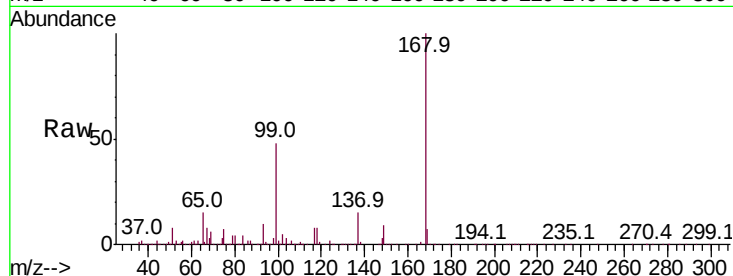
99 48.2 37.8 56.8

Manual Integrations

APPROVED

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5/30/2019 11:02:05 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

250000

200000

150000

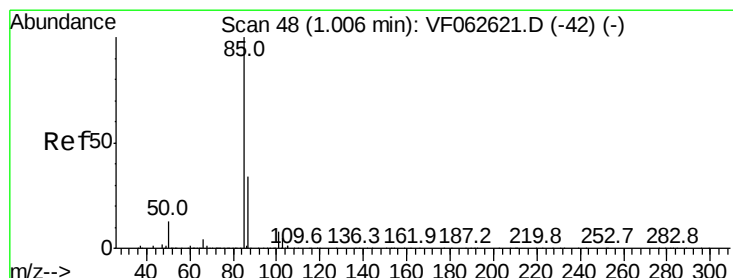
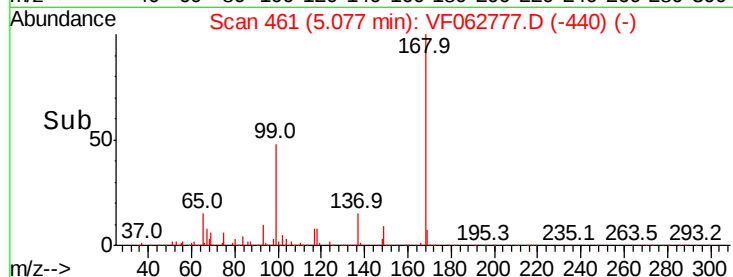
100000

50000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 18.784 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062777.D

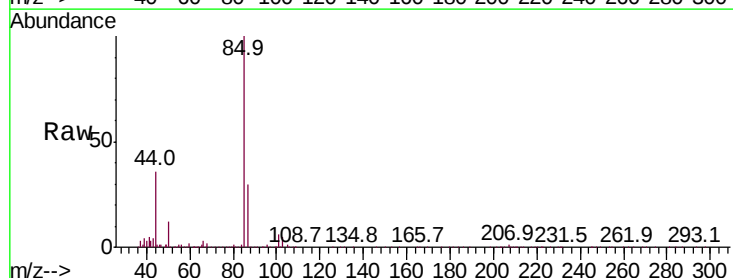
Acq: 29 May 2019 12:41

Tgt Ion: 85 Resp: 187457

Ion Ratio Lower Upper

85 100

87 30.2 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

60000

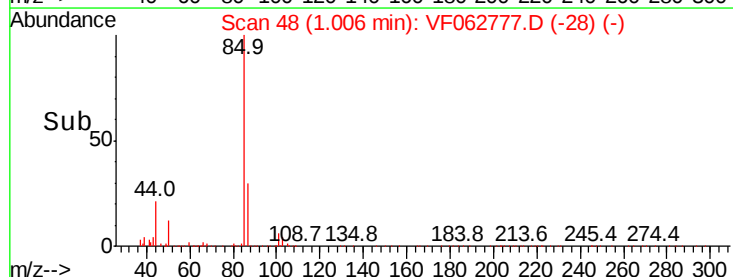
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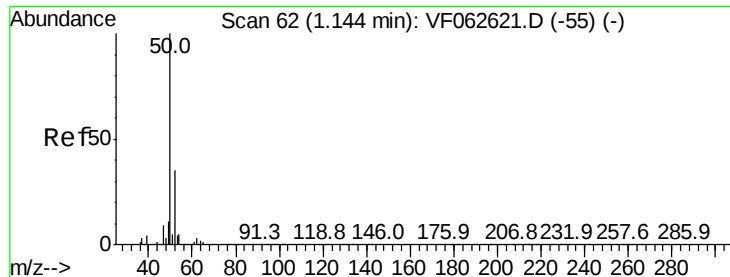
20000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 17.471 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

ClientSampleId :

VF0529SBS01

Tot Ion: 50 Resp: 160546

Ion Ratio Lower Upper

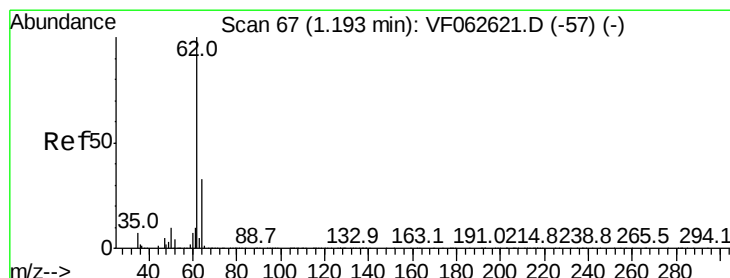
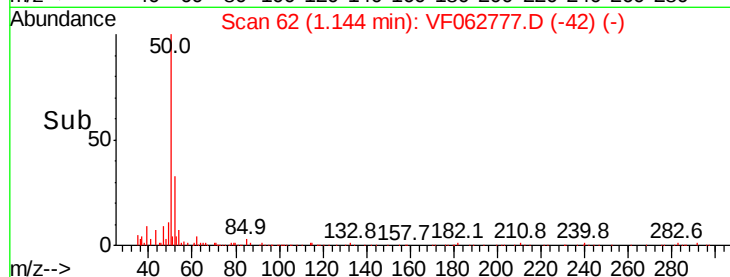
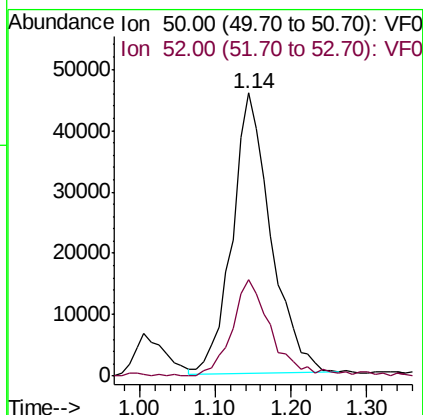
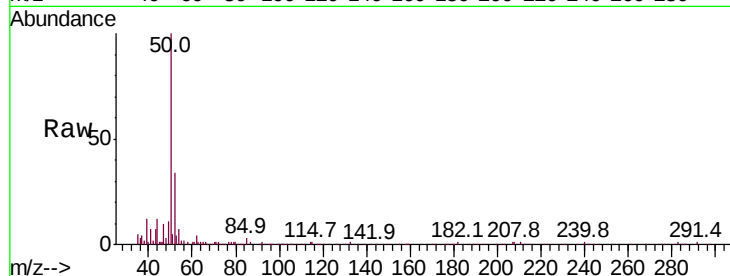
50 100

52 34.0 27.5 41.3

Manual Integrations  
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5/30/2019 11:02:05 AM



#4

Vinyl Chloride

Concen: 19.799 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062777.D

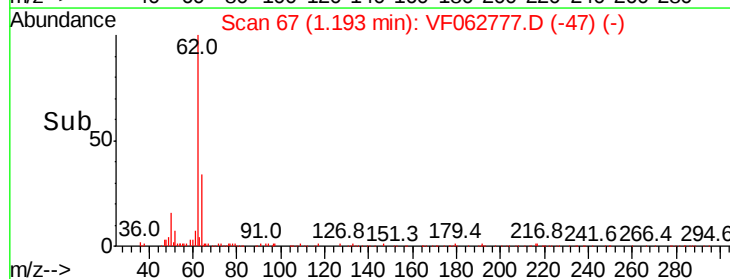
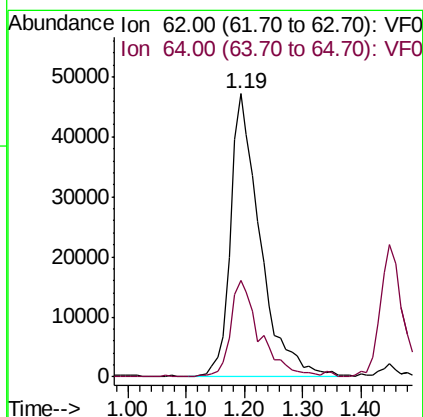
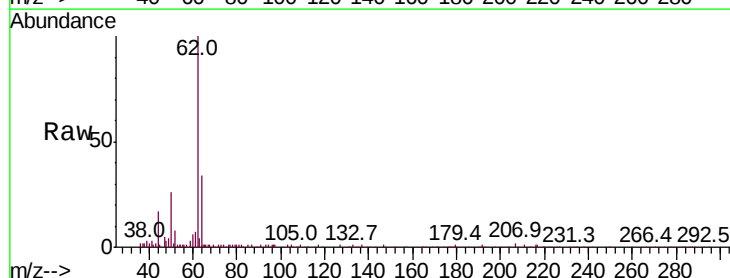
Acq: 29 May 2019 12:41

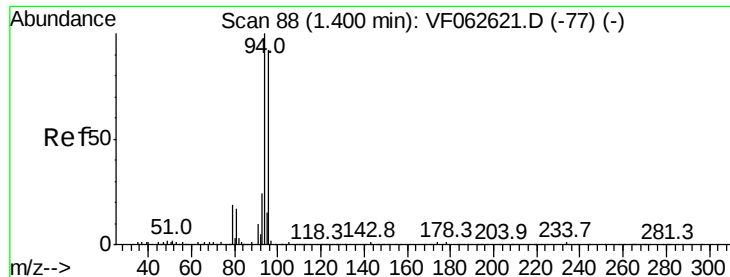
Tgt Ion: 62 Resp: 167472

Ion Ratio Lower Upper

62 100

64 34.1 26.7 40.1





#5

Bromomethane

Concen: 19.506 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

ClientSampleId :

VF0529SBS01

Tot Ion: 94 Resp: 90260

Ion Ratio Lower Upper

94 100

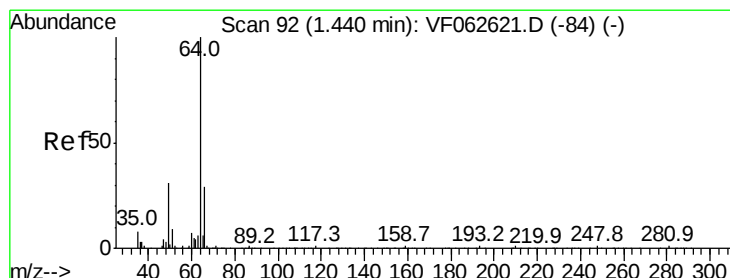
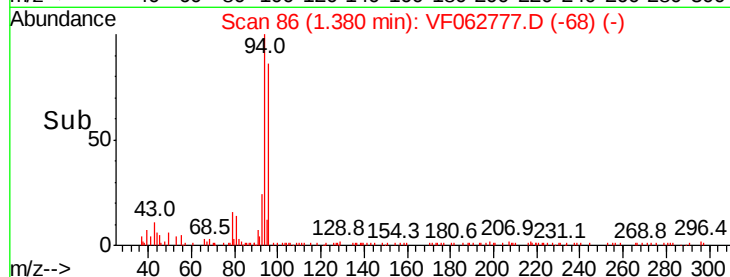
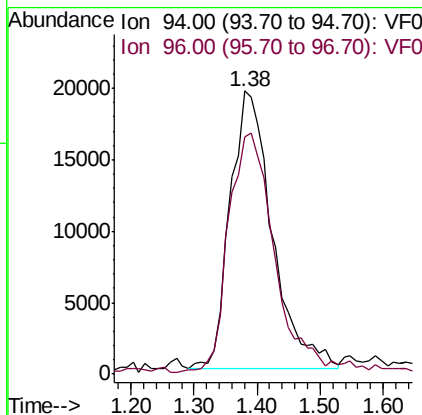
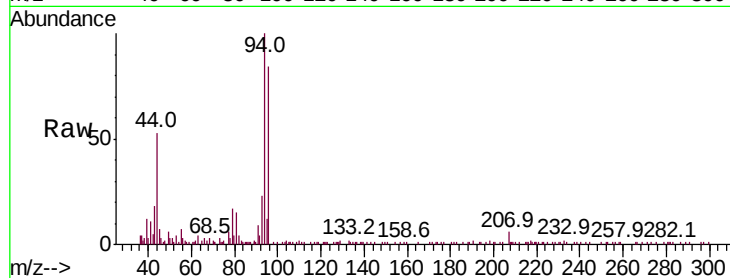
96 83.8 73.2 109.8

Manual Integrations

APPROVED

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5/30/2019 11:02:05 AM



#6

Chloroethane

Concen: 19.167 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062777.D

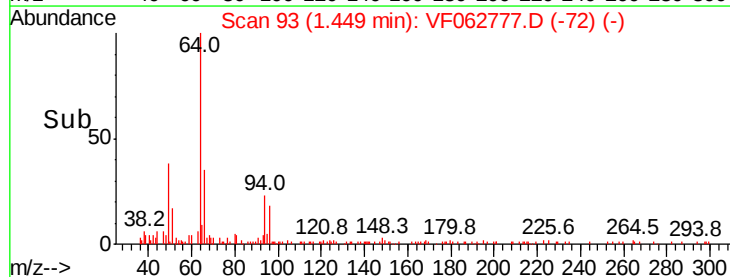
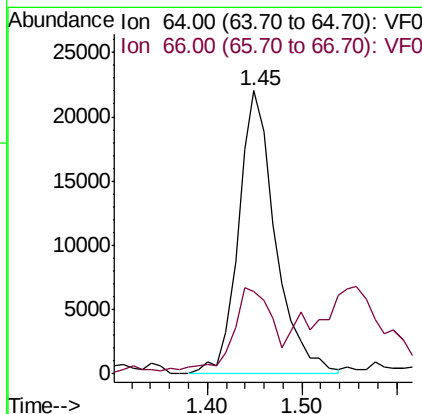
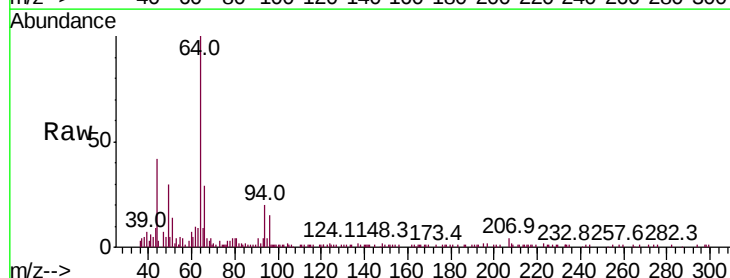
Acq: 29 May 2019 12:41

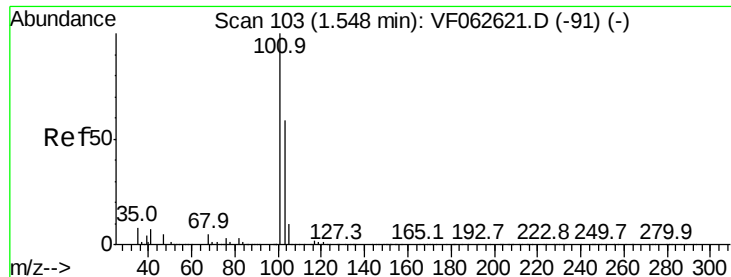
Tgt Ion: 64 Resp: 59543

Ion Ratio Lower Upper

64 100

66 29.2 23.4 35.2





#7

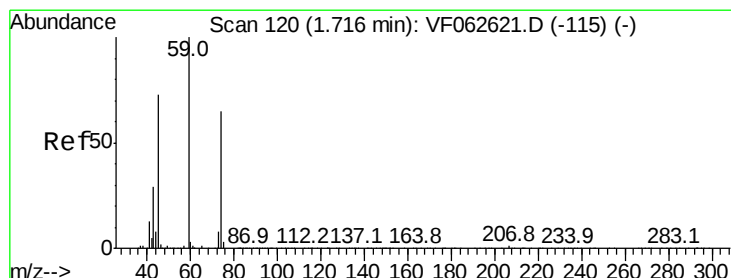
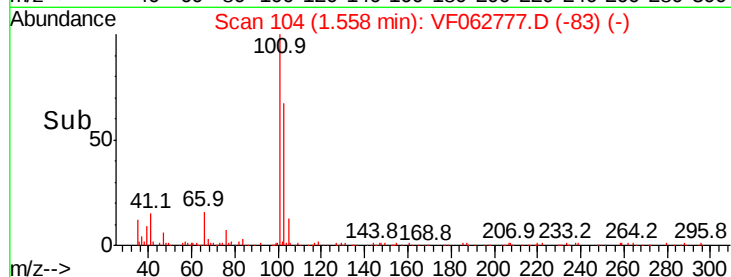
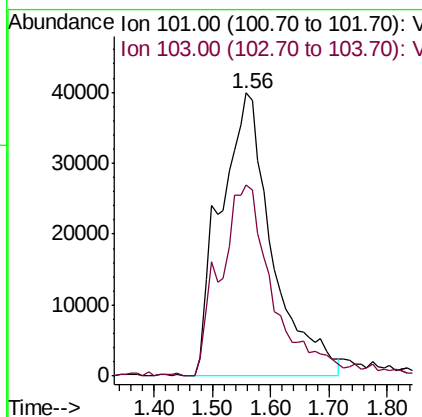
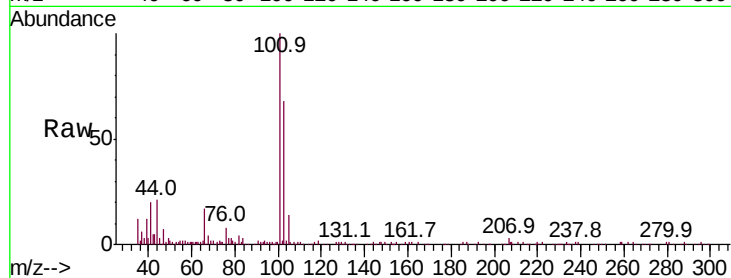
Trichlorofluoromethane  
Concen: 21.760 ug/l  
RT: 1.56 min Scan# 104  
Delta R.T. 0.01 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0529SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 247140 |       |       |
| 103     | 67.7  | 47.3   | 70.9  |       |

Manual Integrations  
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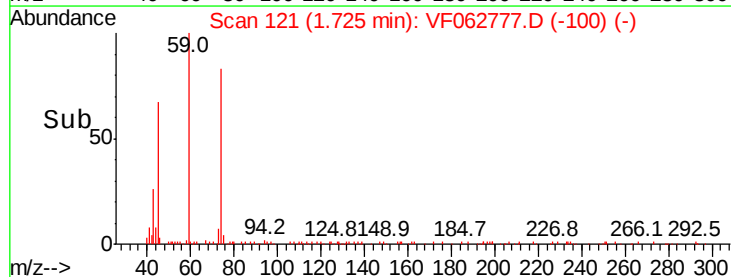
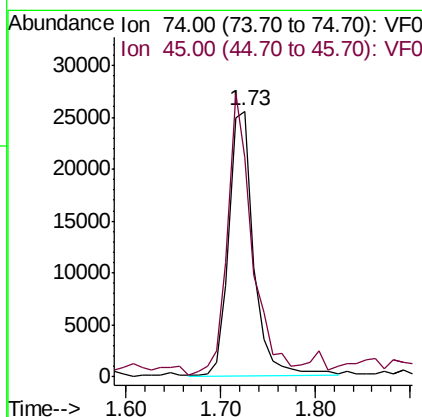
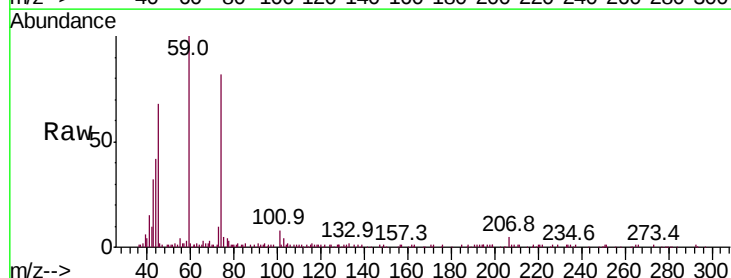
mmdadoda  
5/30/2019 11:02:05 AM

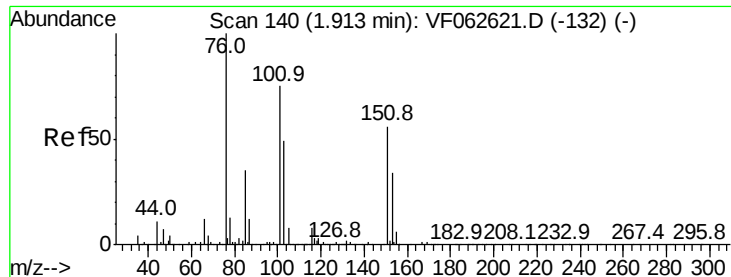


#8

Diethyl Ether  
Concen: 20.697 ug/l  
RT: 1.73 min Scan# 121  
Delta R.T. 0.01 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 46568 |       |       |
| 45      | 82.8  | 57.0  | 170.8 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.061 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

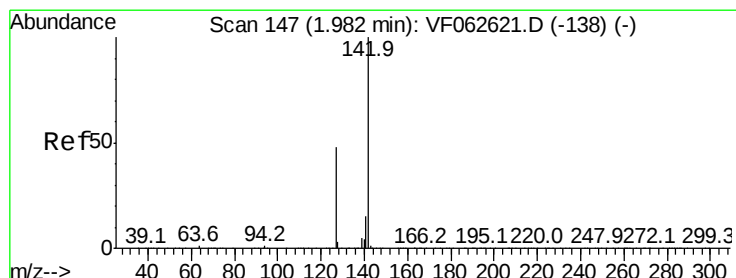
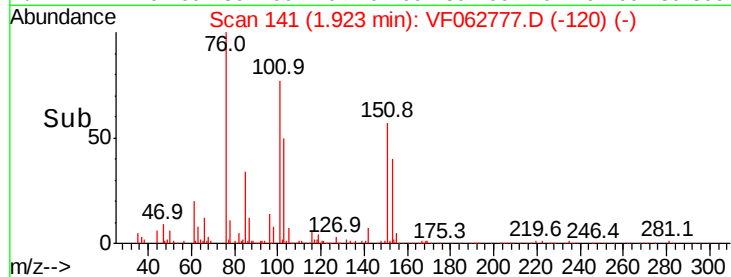
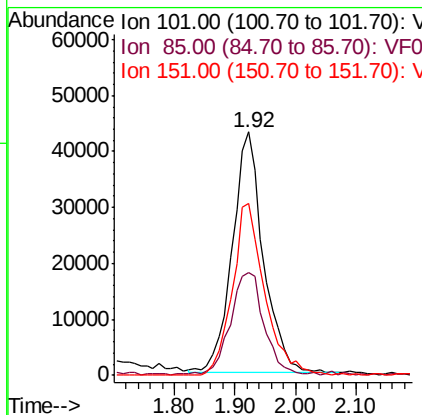
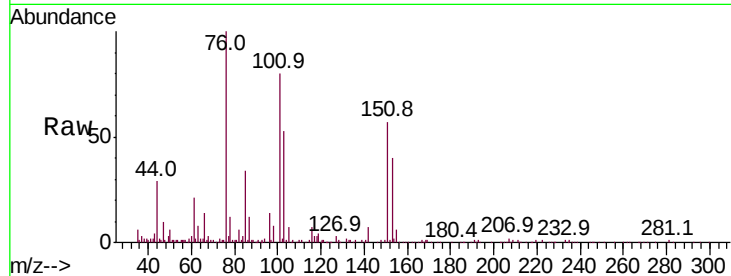
ClientSampleId :

VF0529SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 152308 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.0  | 37.1  | 55.7   |
| 151       | 70.4  | 58.8  | 88.2   |

Manual Integrations  
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mmdadoda  
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#10

Methyl Iodide

Concen: 20.802 ug/l

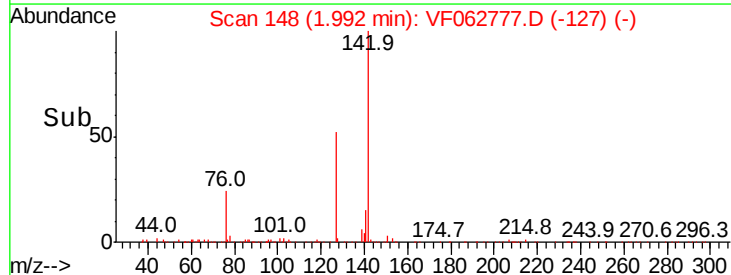
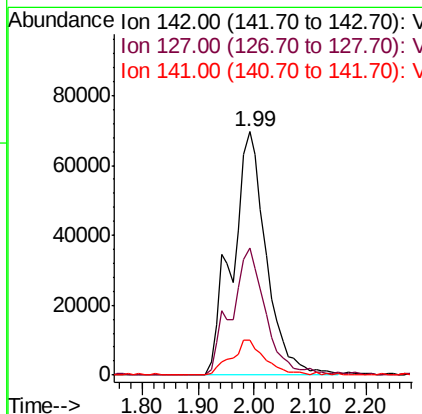
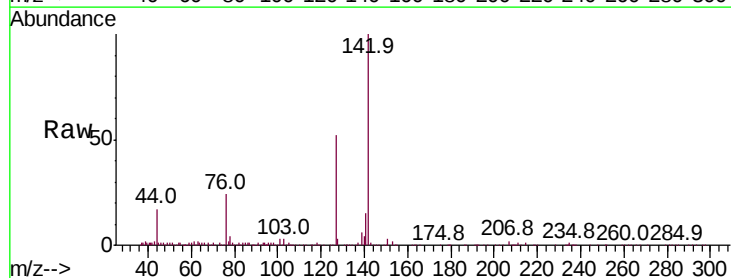
RT: 1.99 min Scan# 148

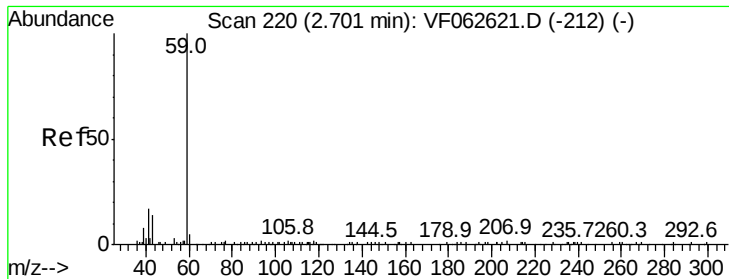
Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 295526 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 52.1  | 38.1  | 57.1   |
| 141       | 14.6  | 11.7  | 17.5   |





#11

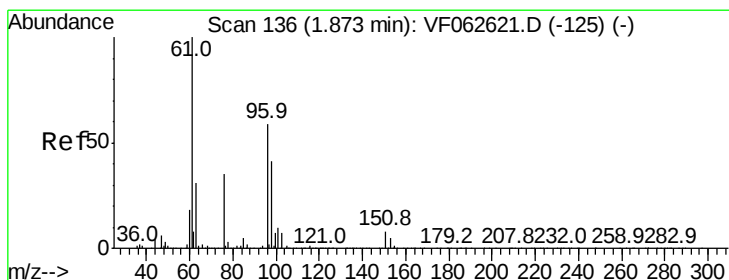
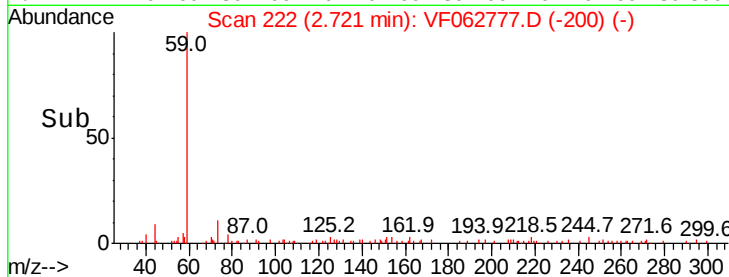
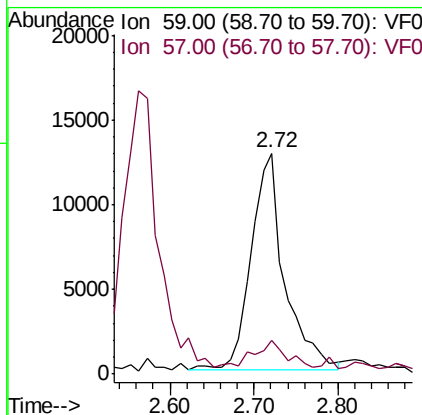
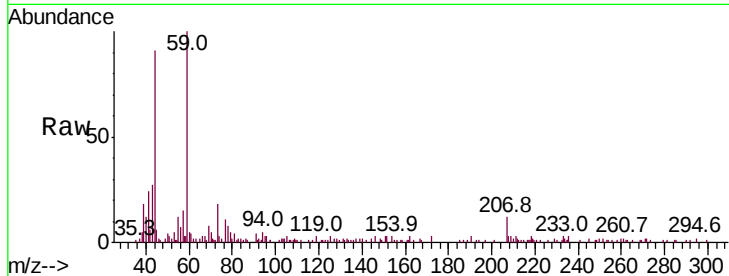
Tert butyl alcohol  
Concen: 105.298 ug/l  
RT: 2.72 min Scan# 222  
Delta R.T. 0.02 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0529SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 59      | 100   | 36026 |       |       |
| 57      | 15.4  |       | 9.3   | 13.9# |

Manual Integrations  
APPROVED

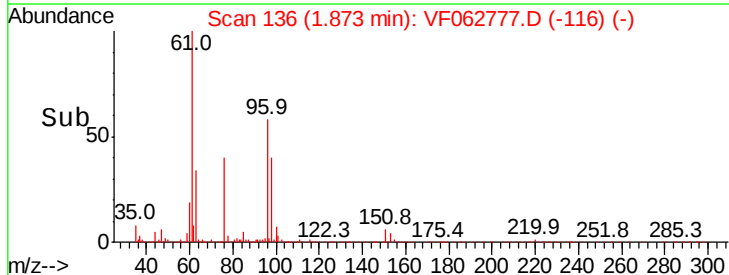
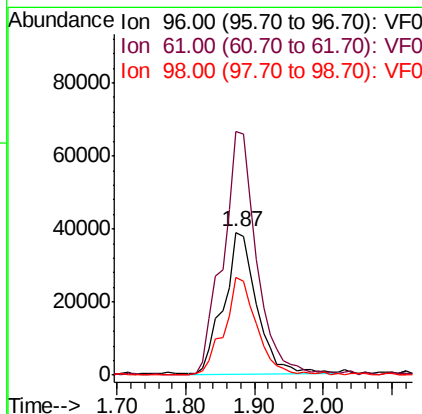
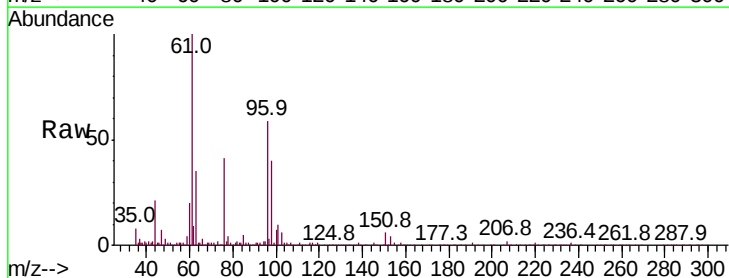
mmdadoda  
5/30/2019 11:02:05 AM

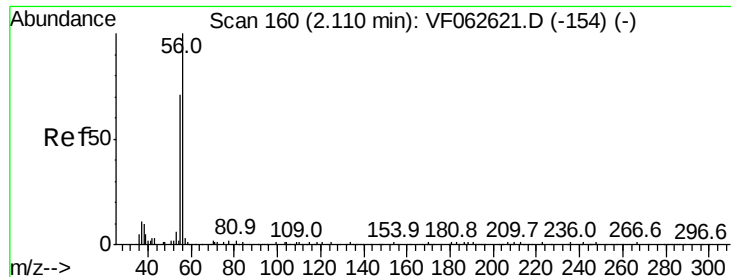


#12

1,1-Dichloroethene  
Concen: 19.663 ug/l  
RT: 1.87 min Scan# 136  
Delta R.T. -0.00 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 129534 |       |       |
| 61      | 170.4 |        | 134.3 | 201.5 |
| 98      | 68.5  |        | 55.0  | 82.6  |





#13

Acrolein

Concen: 80.781 ug/l

RT: 2.11 min Scan# 160

Delta R.T. -0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

ClientSampleId :

VF0529SBS01

Tot Ion: 56 Resp: 28850

Ion Ratio Lower Upper

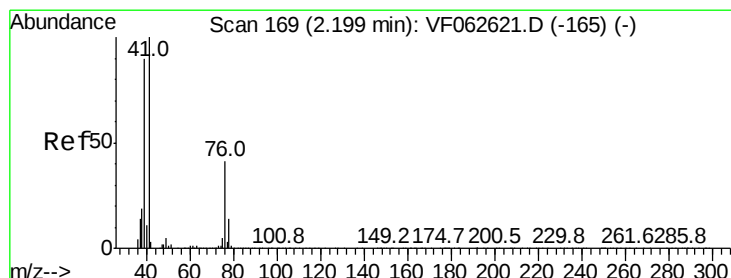
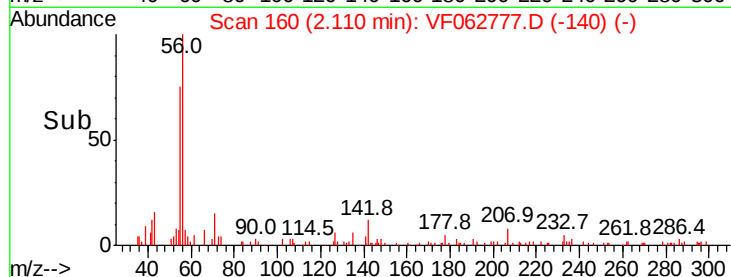
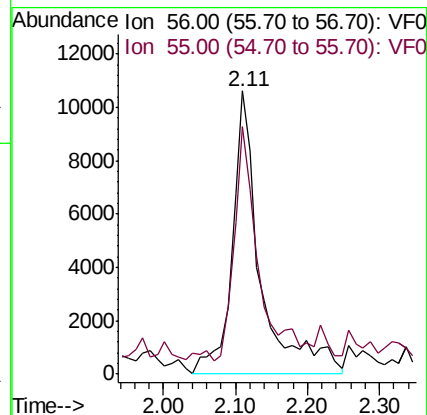
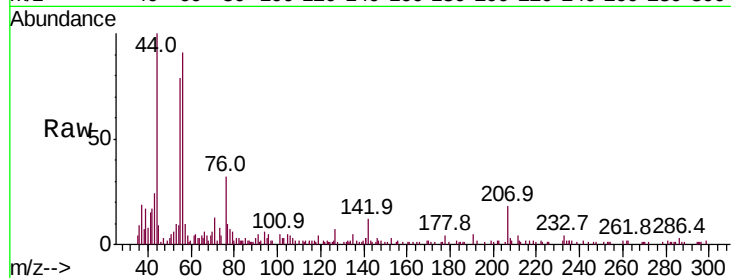
56 100

55 87.3 59.4 89.0

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#14

Allyl chloride

Concen: 22.048 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

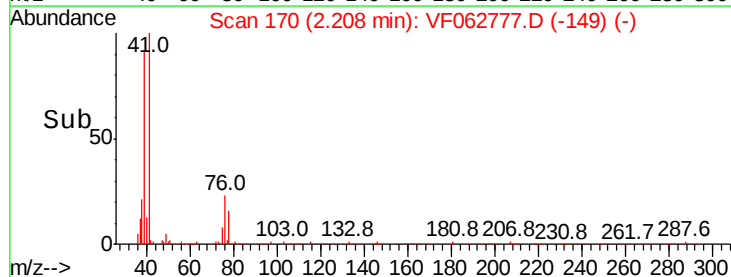
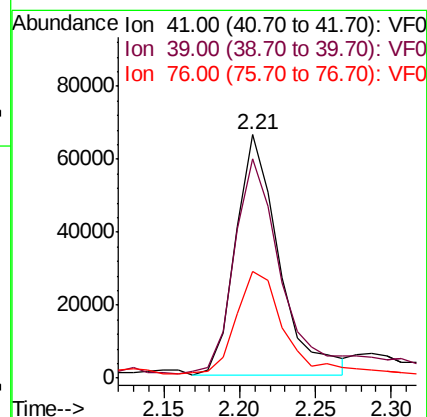
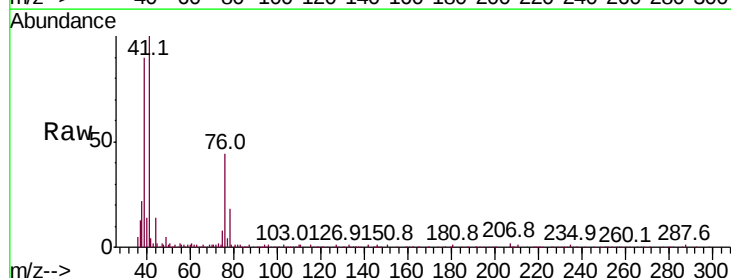
Tgt Ion: 41 Resp: 131457

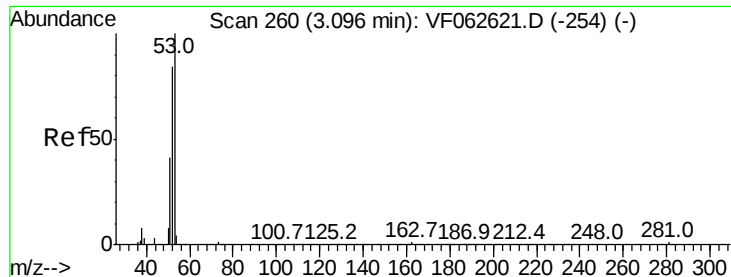
Ion Ratio Lower Upper

41 100

39 90.0 72.0 108.0

76 43.9 34.8 52.2





#15

Acrylonitrile

Concen: 128.681 ug/l

RT: 3.13 min Scan# 263

Delta R.T. 0.03 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

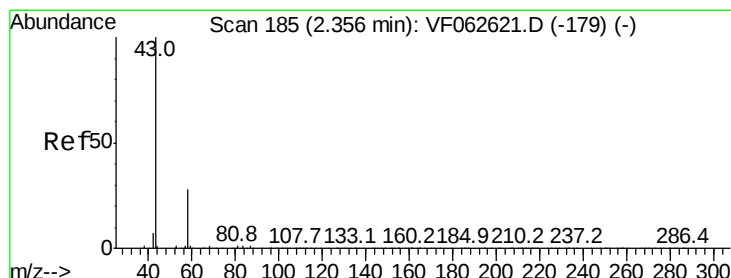
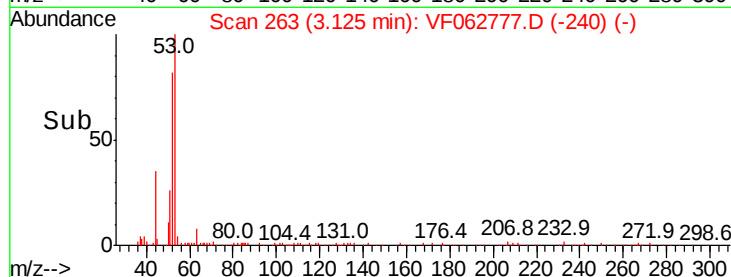
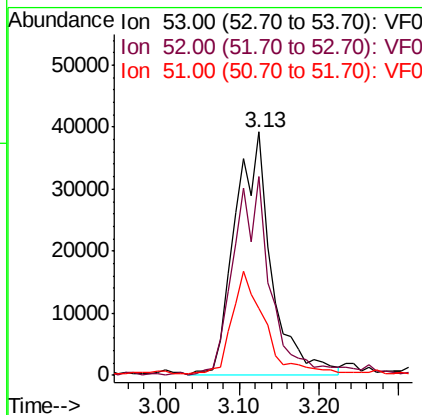
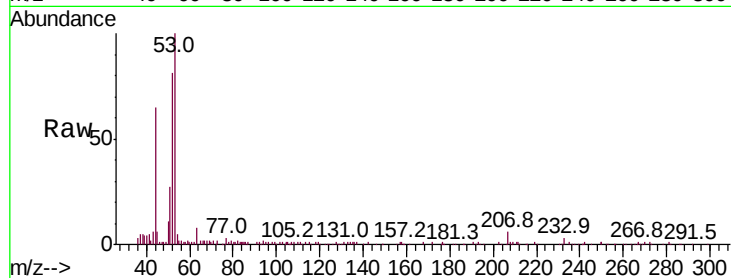
ClientSampleId :

VF0529SBS01

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 124190 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 81.5 | 67.3  | 100.9  |
| 51        | 27.5 | 33.0  | 49.6#  |

Manual Integrations  
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#16

Acetone

Concen: 94.560 ug/l

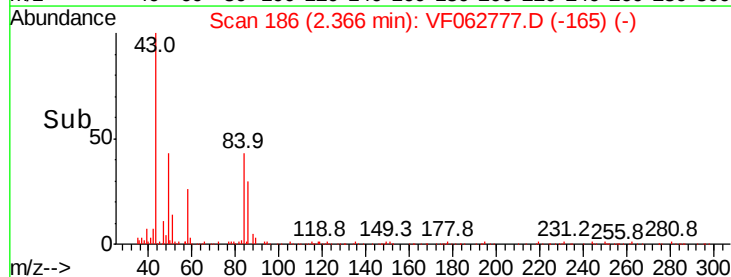
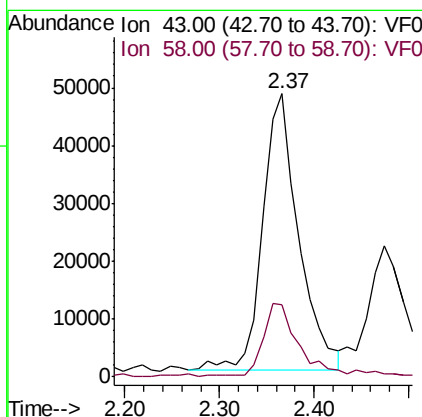
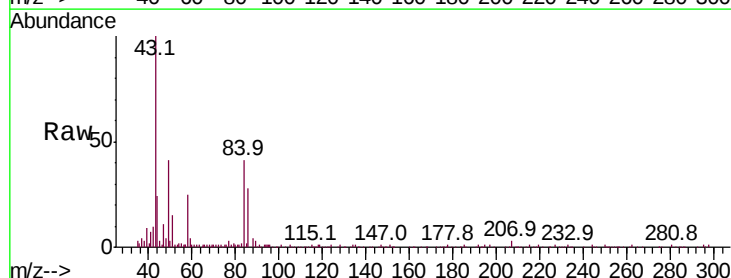
RT: 2.37 min Scan# 186

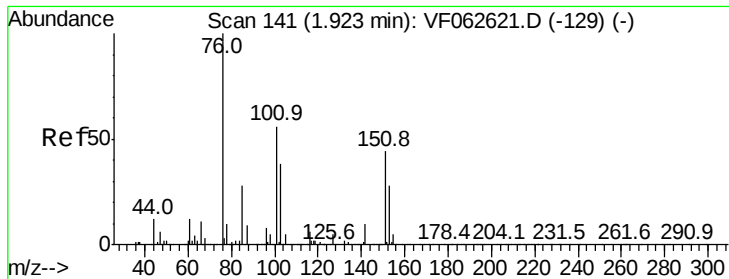
Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 127129 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 25.4 | 22.6  | 33.8   |





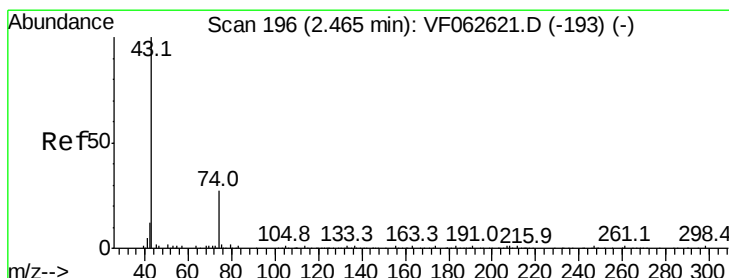
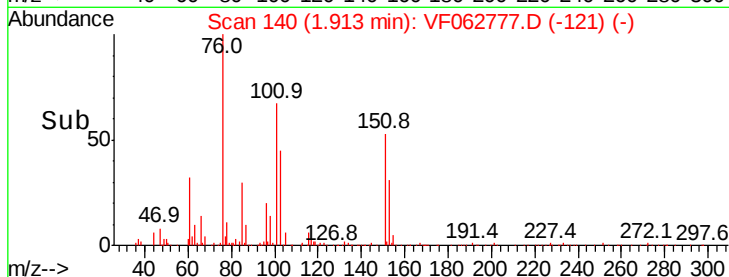
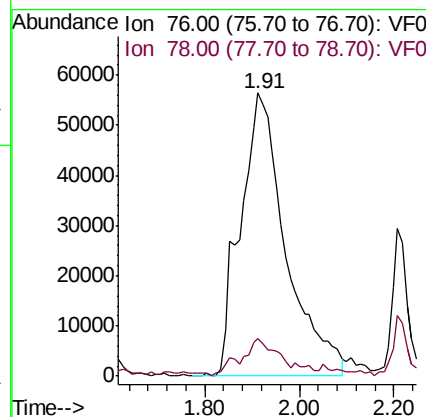
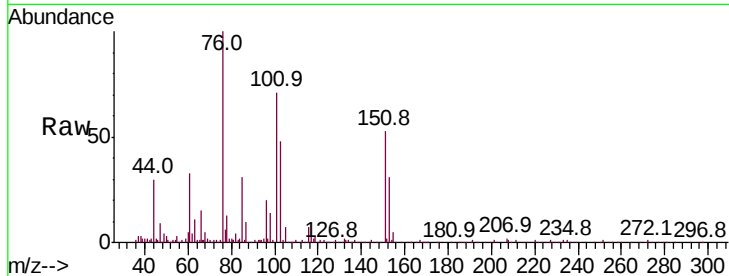
#17  
Carbon Disulfide  
Concen: 19.297 ug/l  
RT: 1.91 min Scan# 140  
Delta R.T. -0.01 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0529SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 13.1  | 8.4   | 12.6# |

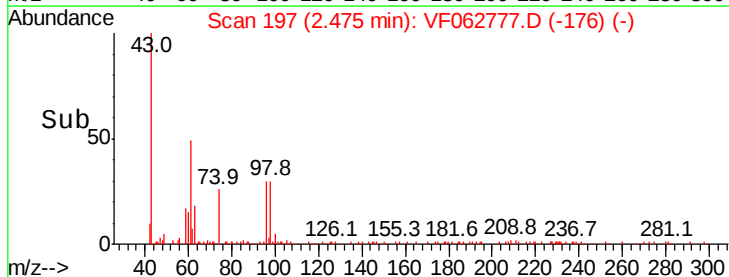
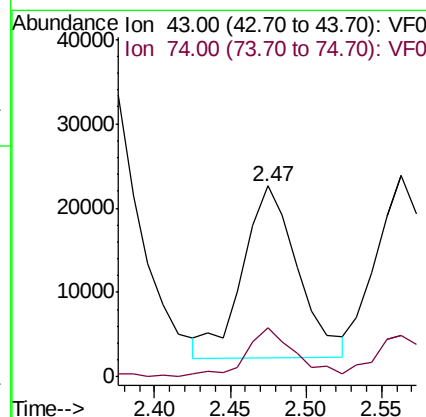
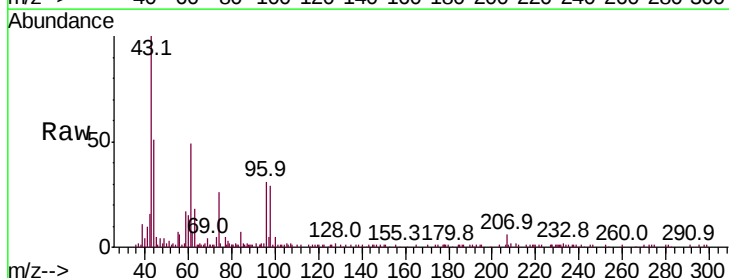
Manual Integrations  
APPROVED

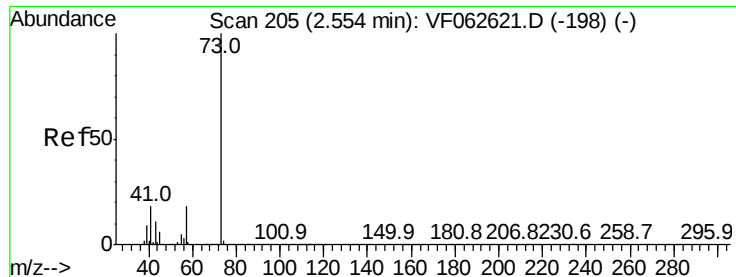
mmdadoda  
5/30/2019 11:02:05 AM



#18  
Methyl Acetate  
Concen: 24.311 ug/l  
RT: 2.47 min Scan# 197  
Delta R.T. 0.01 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 25.6  | 18.9  | 28.3  |





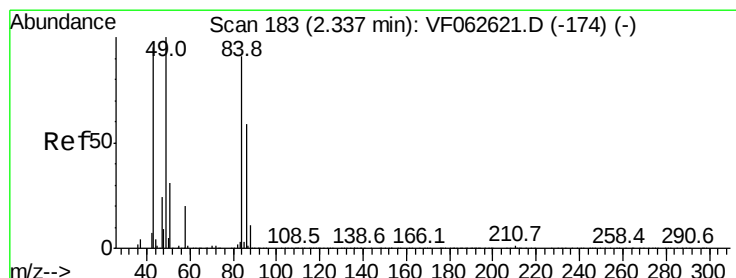
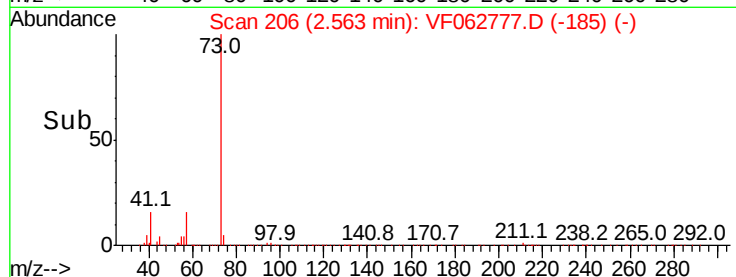
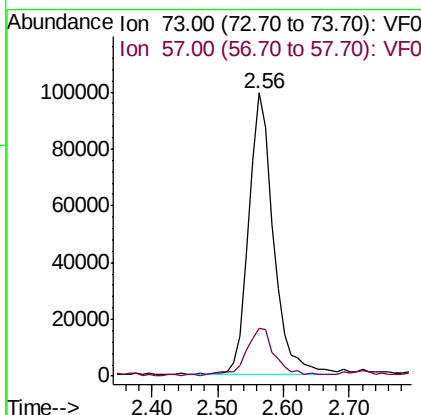
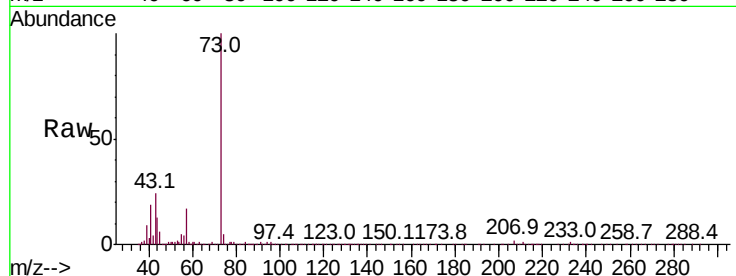
#19  
Methyl tert-butyl Ether  
Concen: 22.341 ug/l  
RT: 2.56 min Scan# 206  
Delta R.T. 0.01 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0529SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 16.8  | 14.2  | 21.4  |

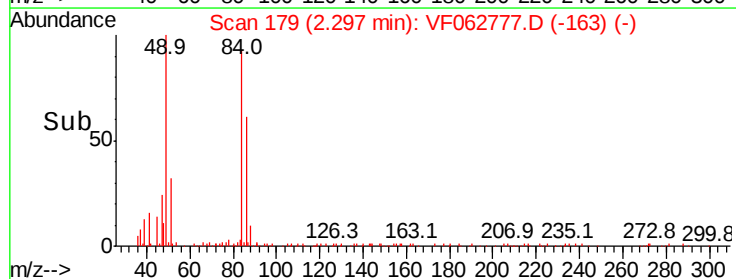
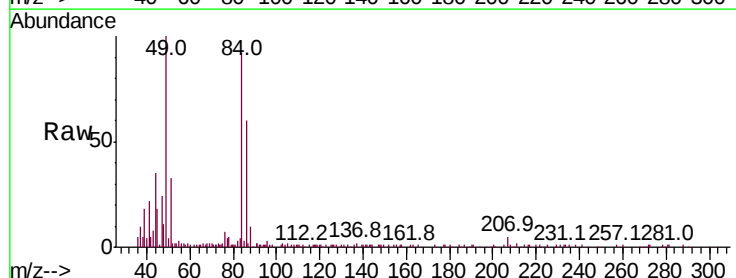
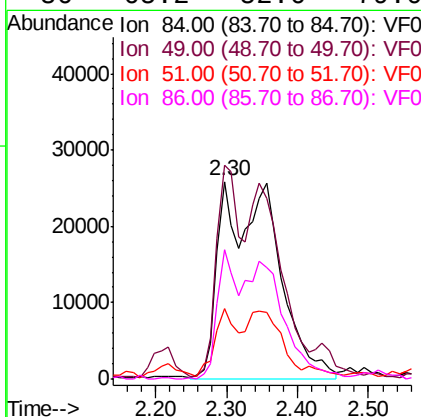
Manual Integrations  
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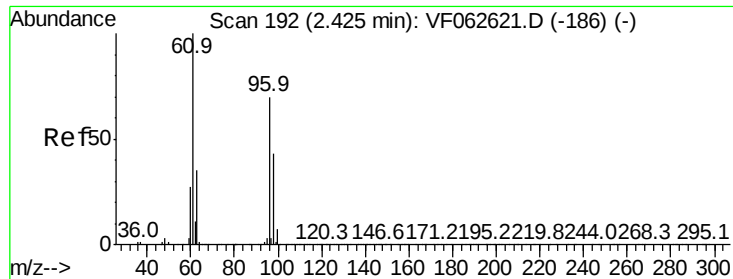
mmdadoda  
5/30/2019 11:02:05 AM



#20  
Methylene Chloride  
Concen: 21.122 ug/l m  
RT: 2.30 min Scan# 179  
Delta R.T. -0.04 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 108.2 | 89.8  | 134.8 |
| 51      | 35.8  | 28.4  | 42.6  |
| 86      | 65.2  | 52.6  | 79.0  |





#21

trans-1,2-Dichloroethene

Concen: 23.258 ug/l

RT: 2.44 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

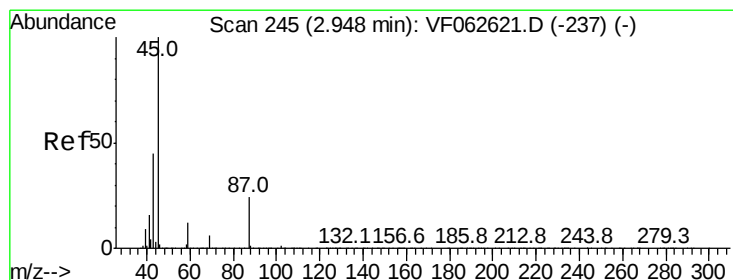
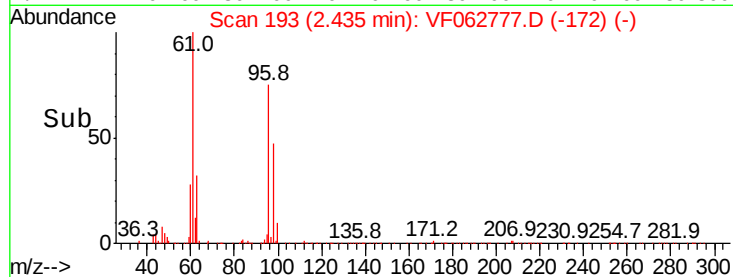
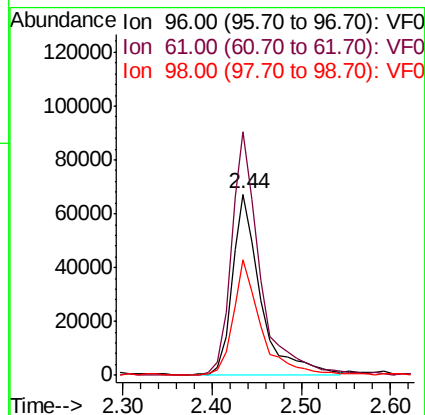
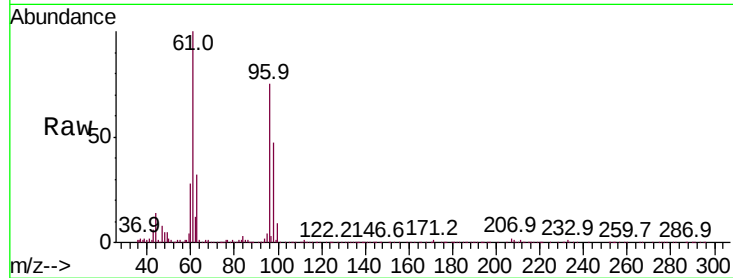
ClientSampleId :

VF0529SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 149761 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 134.2 | 114.6 | 171.8  |
| 98        | 63.4  | 49.5  | 74.3   |

Manual Integrations  
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5/30/2019 11:02:05 AM



#22

Diisopropyl ether

Concen: 20.966 ug/l

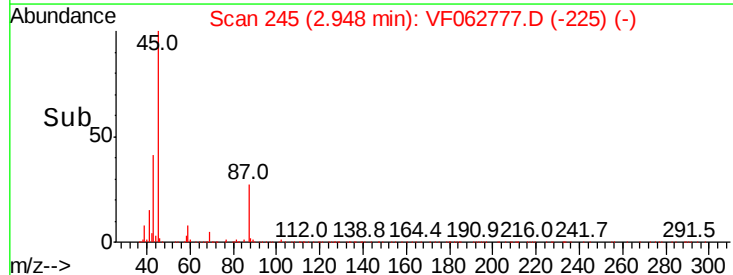
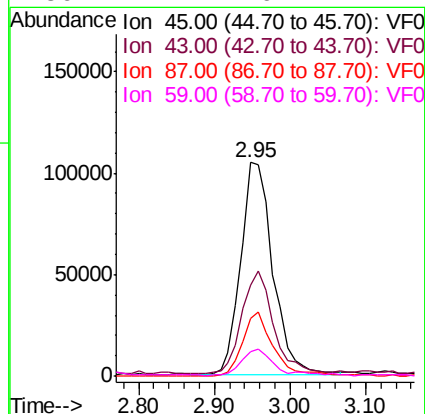
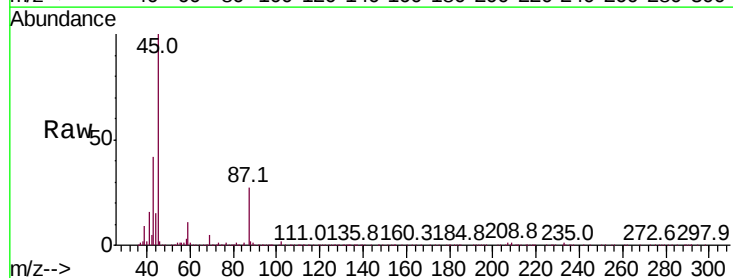
RT: 2.95 min Scan# 245

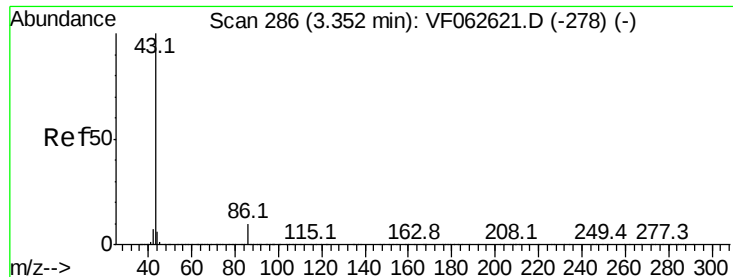
Delta R.T. -0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 308312 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 43        | 42.4  | 36.4  | 54.6   |
| 87        | 26.7  | 19.3  | 28.9   |
| 59        | 11.2  | 9.4   | 14.2   |





#23

Vinyl Acetate

Concen: 105.783 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

ClientSampleId :

VF0529SBS01

Tot Ion: 43 Resp: 1049360

Ion Ratio Lower Upper

43 100

86 9.4

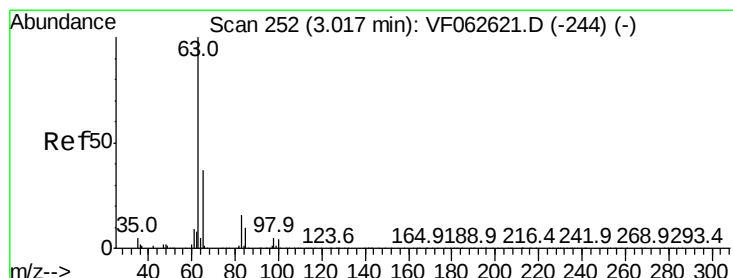
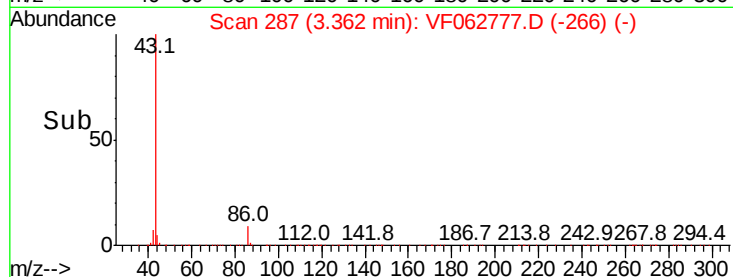
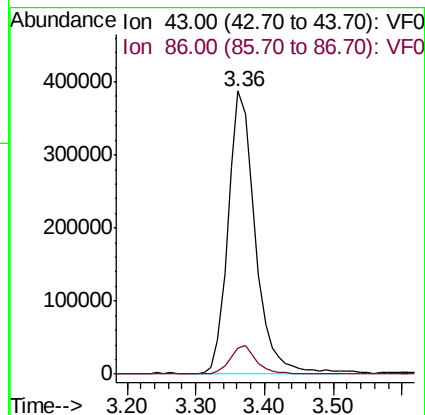
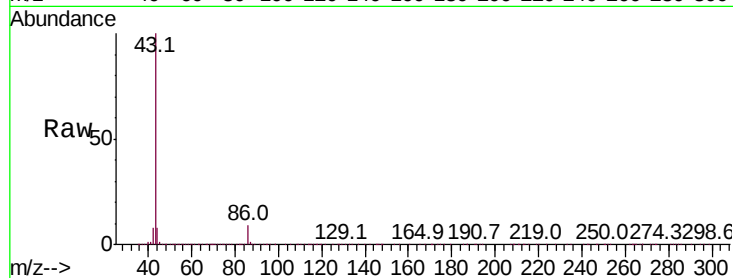
8.2

12.2

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#24

1,1-Dichloroethane

Concen: 21.403 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Tgt Ion: 63 Resp: 230891

Ion Ratio Lower Upper

63 100

98 5.5

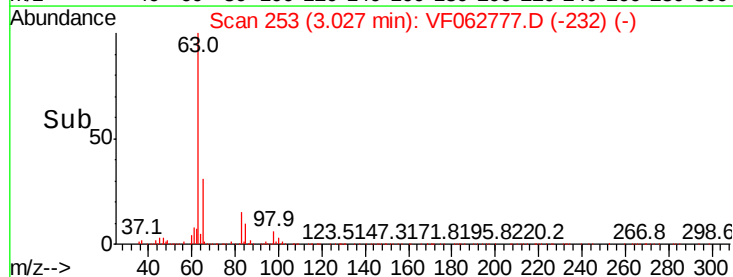
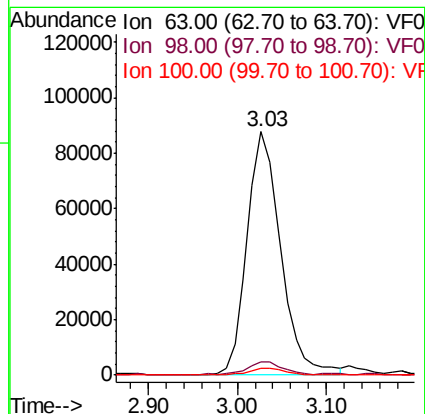
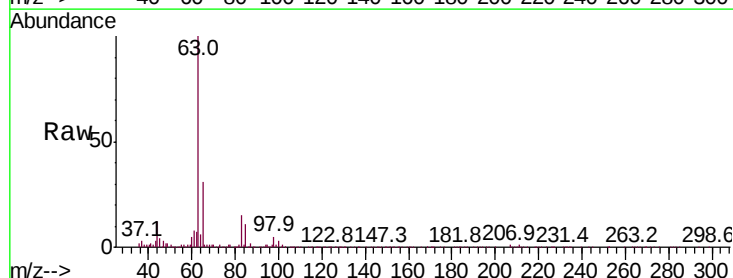
100 2.7

2.8

1.9

8.3

5.7





#25

2-Butanone

Concen: 104.418 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

ClientSampleId :

VF0529SBS01

Tot Ion: 43 Resp: 299926

Ion Ratio Lower Upper

43 100

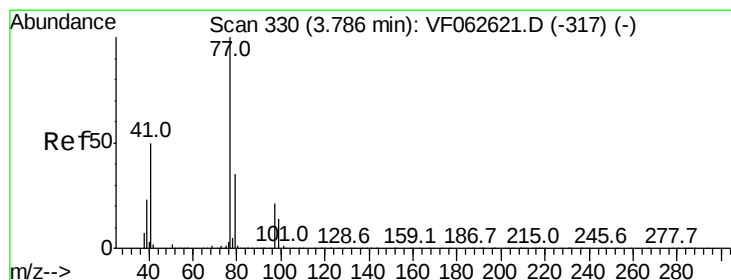
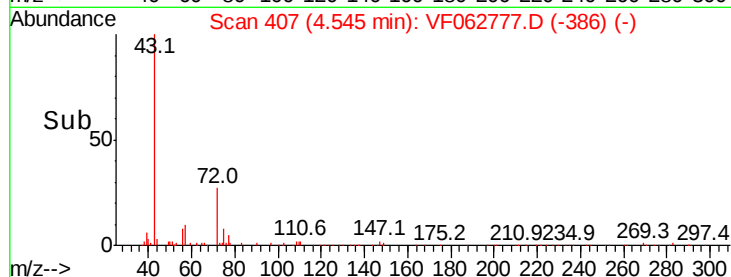
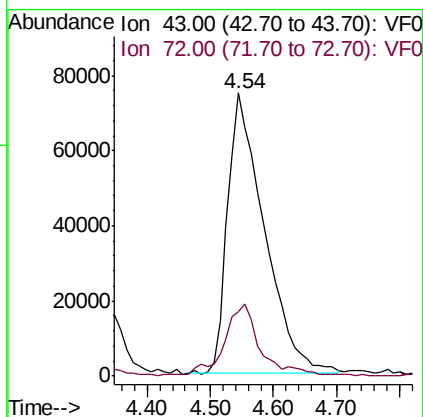
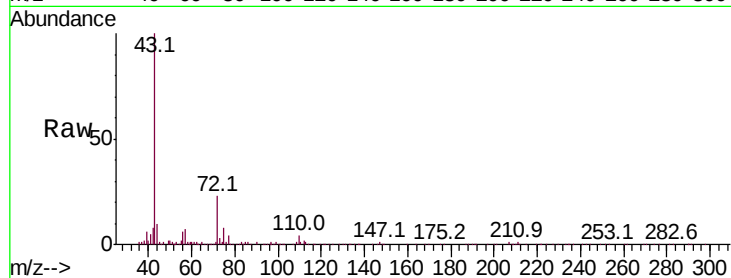
72 22.7 20.1 30.1

Manual Integrations

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mmdadoda

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#26

2,2-Dichloropropane

Concen: 24.378 ug/l

RT: 3.80 min Scan# 331

Delta R.T. 0.01 min

Lab File: VF062777.D

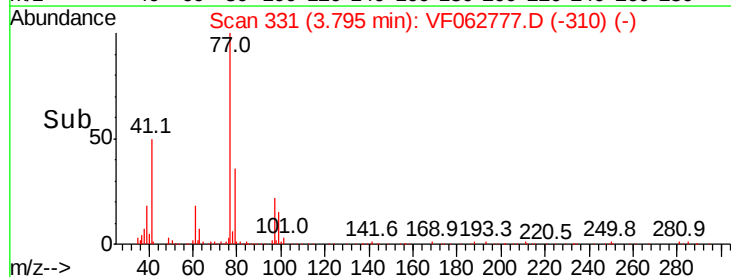
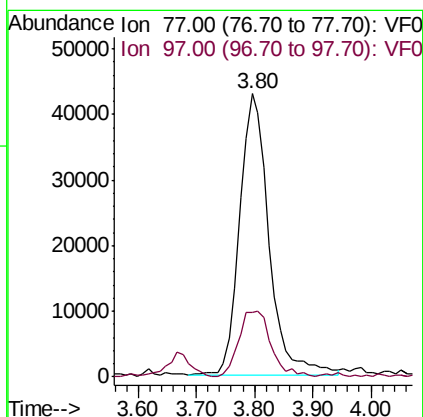
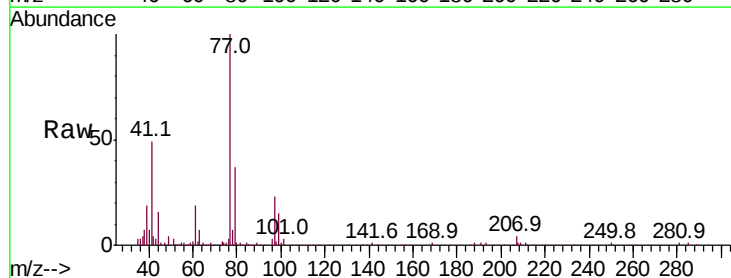
Acq: 29 May 2019 12:41

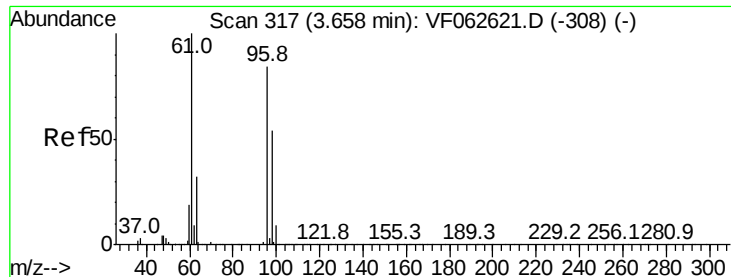
Tgt Ion: 77 Resp: 150473

Ion Ratio Lower Upper

77 100

97 22.7 14.1 42.4





#27

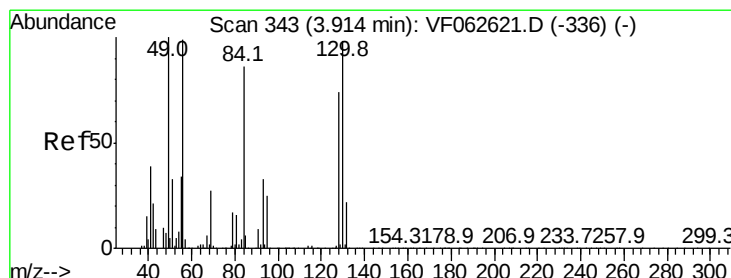
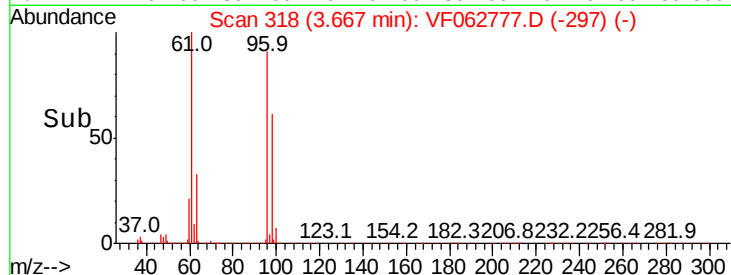
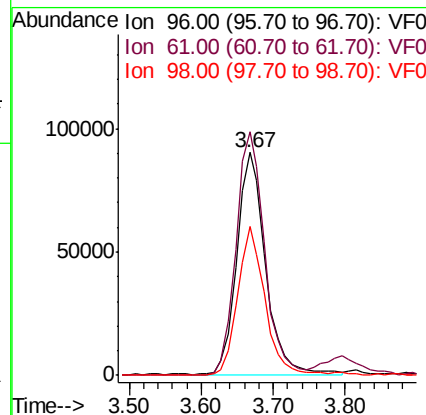
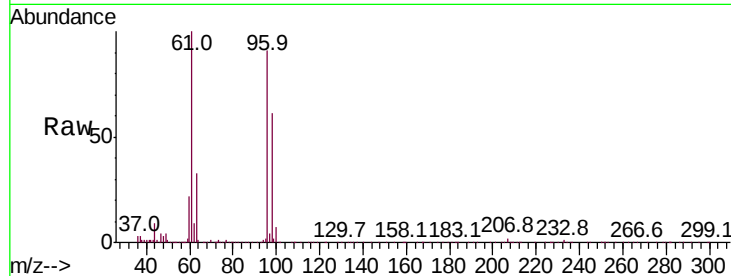
cis-1,2-Dichloroethene  
Concen: 23.575 ug/l  
RT: 3.67 min Scan# 318  
Delta R.T. 0.01 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0529SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 249695 |       |       |
| 61      | 109.3 |        | 0.0   | 237.4 |
| 98      | 67.0  |        | 0.0   | 129.0 |

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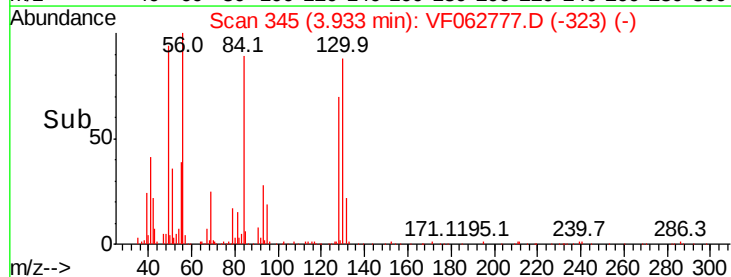
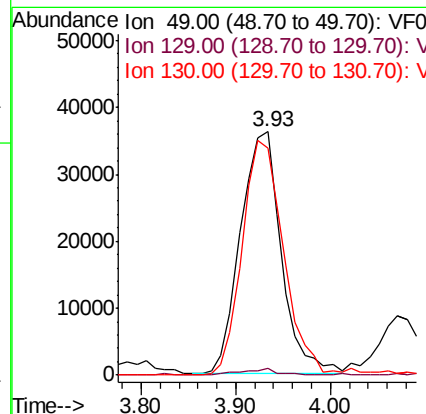
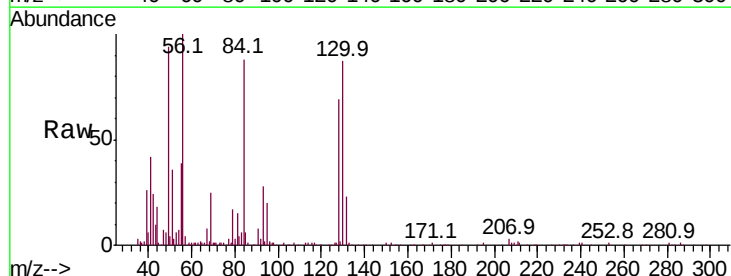
mmdadoda  
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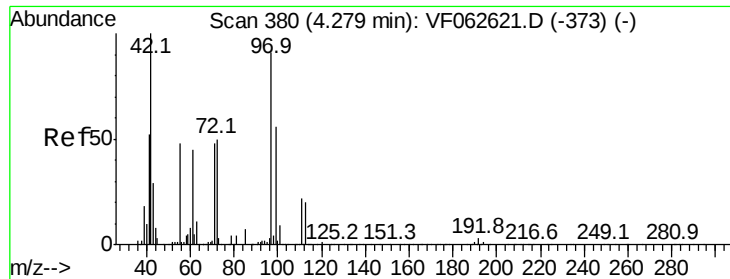


#28

Bromochloromethane  
Concen: 17.873 ug/l  
RT: 3.93 min Scan# 345  
Delta R.T. 0.02 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 108138 |       |       |
| 129     | 2.6   |        | 0.0   | 4.0   |
| 130     | 93.4  |        | 77.8  | 116.8 |





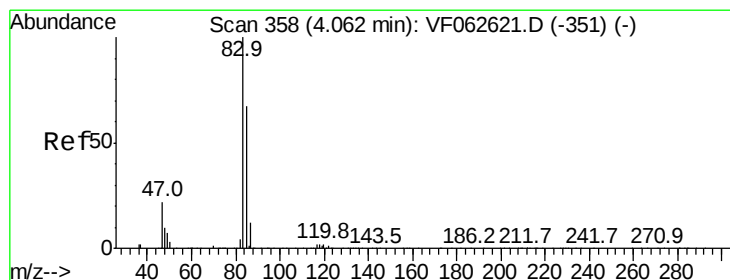
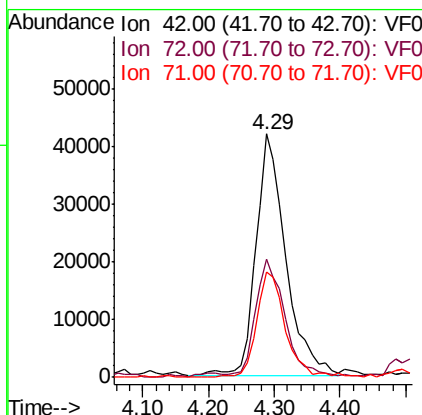
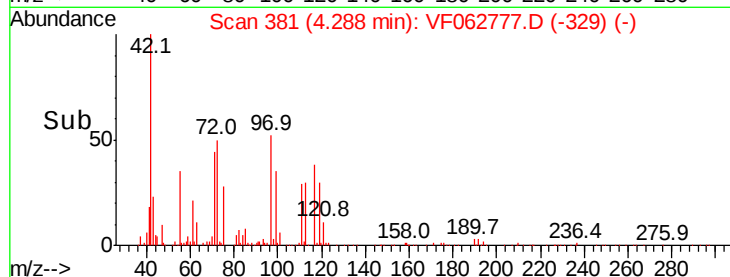
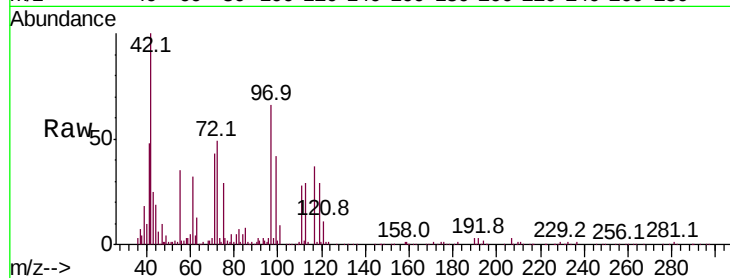
#29  
Tetrahydrofuran  
Concen: 115.041 ug/l  
RT: 4.29 min Scan# 381  
Delta R.T. 0.01 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0529SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 48.1  | 38.2  | 57.2  |
| 71      | 42.8  | 35.8  | 53.6  |

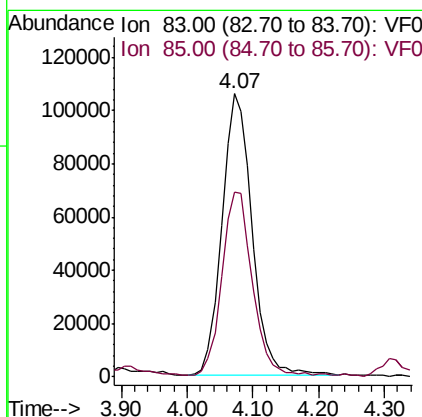
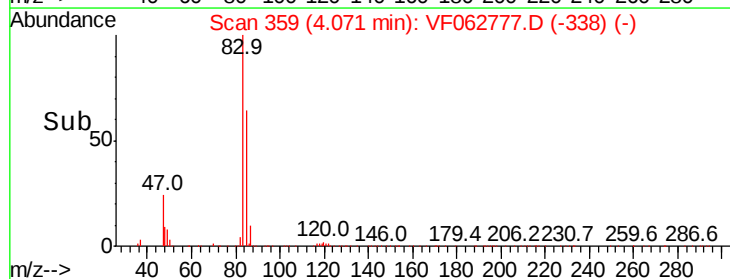
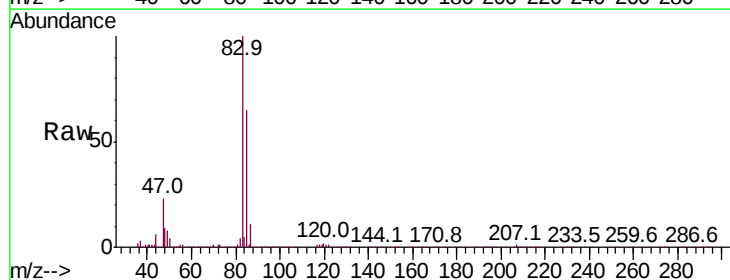
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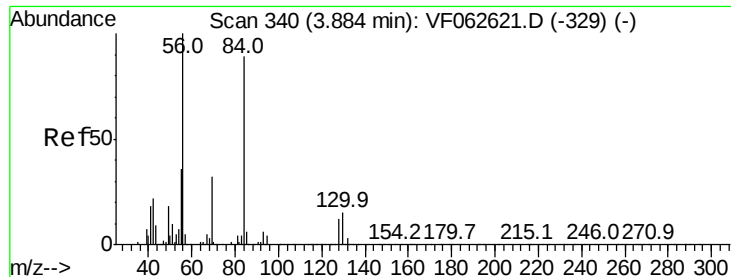
mmdadoda  
5/30/2019 11:02:05 AM



#30  
Chloroform  
Concen: 22.576 ug/l  
RT: 4.07 min Scan# 359  
Delta R.T. 0.01 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.2  | 53.6  | 80.4  |





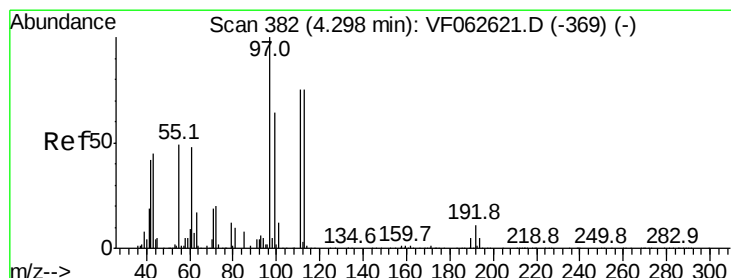
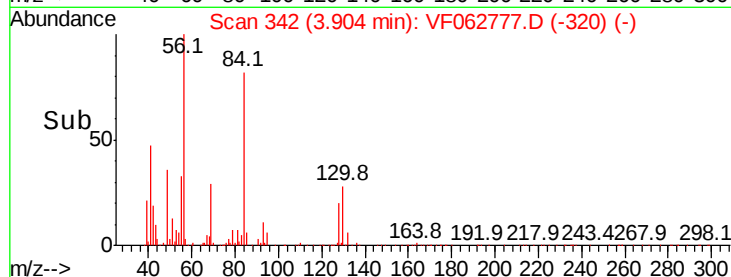
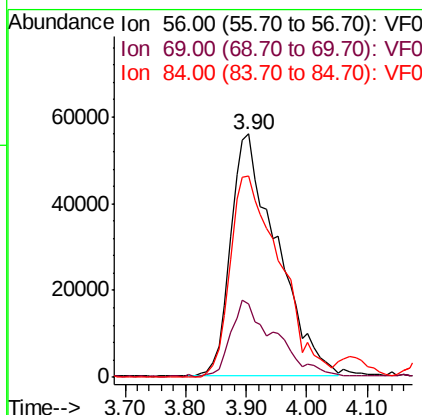
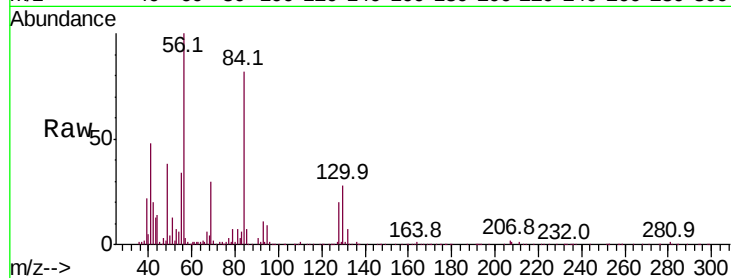
#31  
Cyclohexane  
Concen: 20.394 ug/l  
RT: 3.90 min Scan# 342  
Delta R.T. 0.02 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0529SBS01

| Tot Ion   | 56    | Resp  | 295402 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 30.2  | 25.3  | 37.9   |
| 84        | 82.5  | 71.0  | 106.4  |

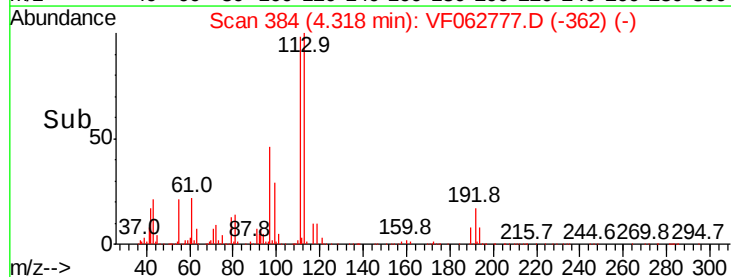
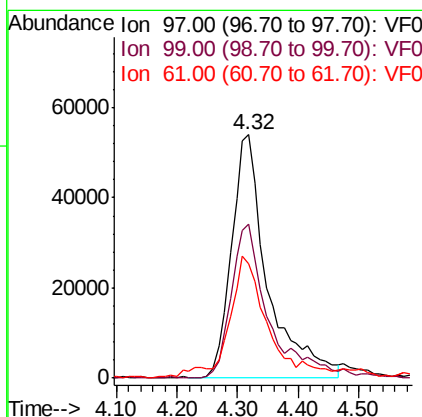
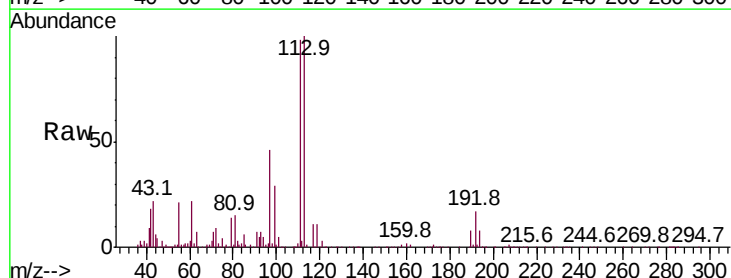
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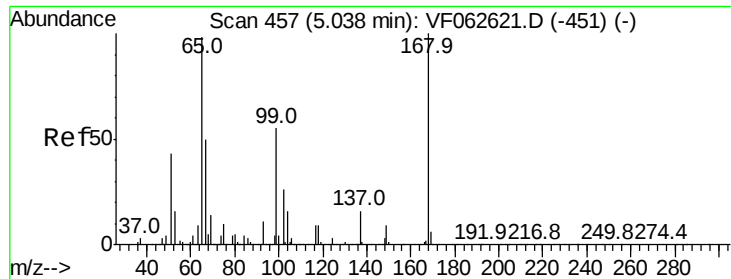
mmdadoda  
5/30/2019 11:02:05 AM



#32  
1,1,1-Trichloroethane  
Concen: 22.316 ug/l  
RT: 4.32 min Scan# 384  
Delta R.T. 0.02 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

| Tgt Ion   | 97    | Resp  | 221983 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 63.3  | 51.3  | 76.9   |
| 61        | 47.2  | 38.2  | 57.2   |





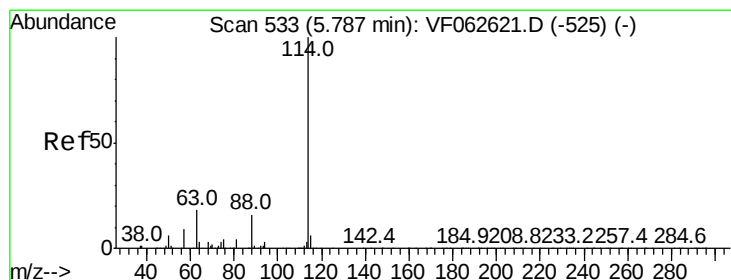
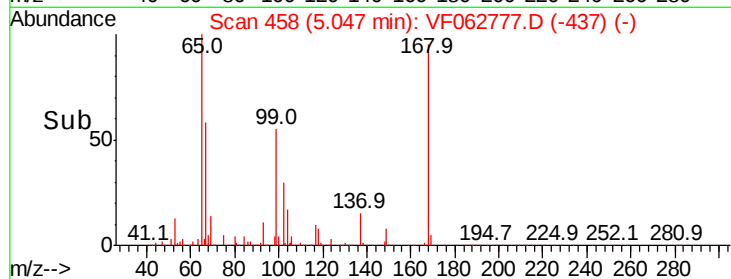
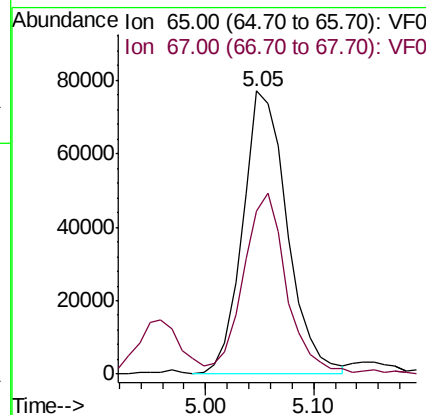
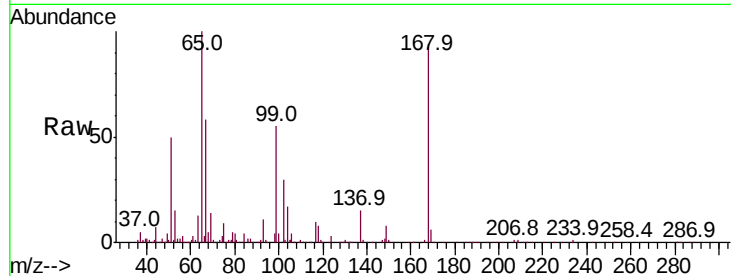
#33  
 1,2-Dichloroethane-d4  
 Concen: 42.649 ug/l  
 RT: 5.05 min Scan# 458  
 Delta R.T. 0.01 min  
 Lab File: VF062777.D  
 Acq: 29 May 2019 12:41

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0529SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 221016 |       |       |
| 67      | 57.7  | 0.0    | 117.6 |       |

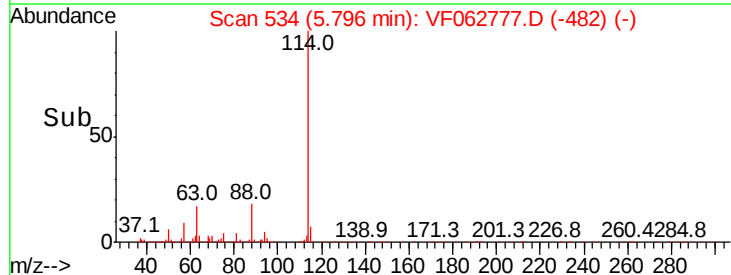
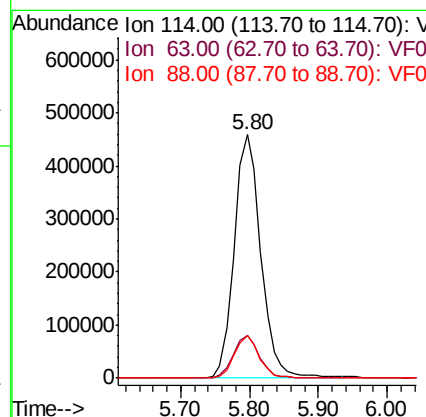
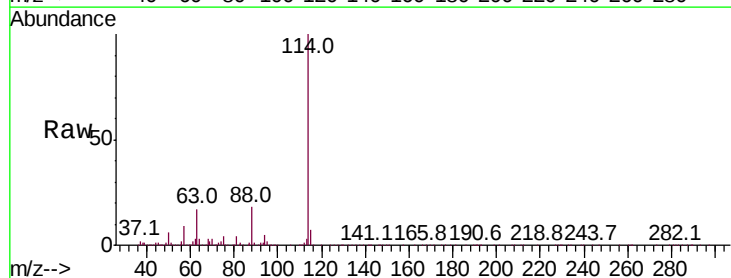
Manual Integrations  
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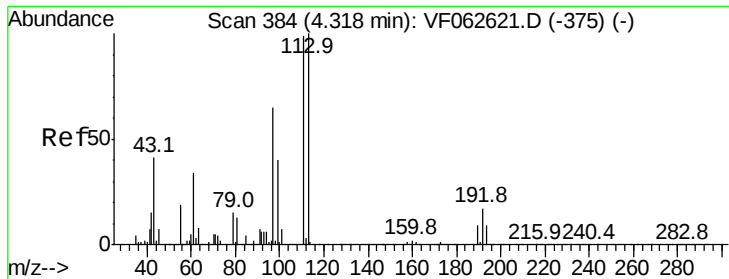
mmdadoda  
 5/30/2019 11:02:05 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.80 min Scan# 534  
 Delta R.T. 0.01 min  
 Lab File: VF062777.D  
 Acq: 29 May 2019 12:41

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 114     | 100   | 1228719 |       |       |
| 63      | 17.3  | 0.0     | 35.4  |       |
| 88      | 17.5  | 0.0     | 32.4  |       |





#35

Dibromofluoromethane

Concen: 44.098 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.01 min

Lab File: VF062777.D

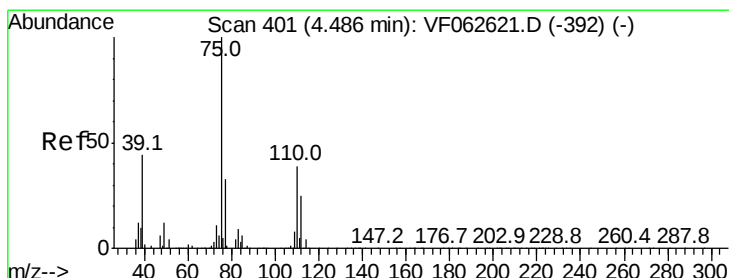
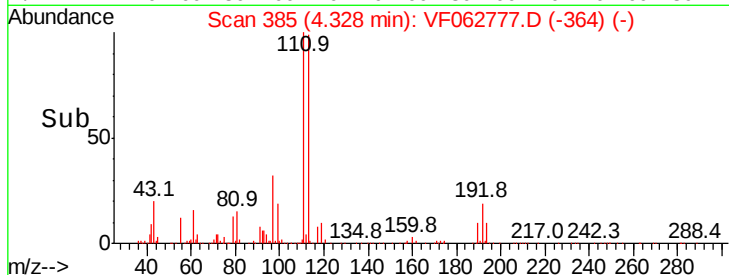
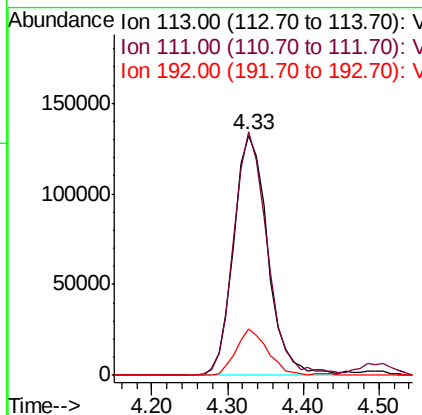
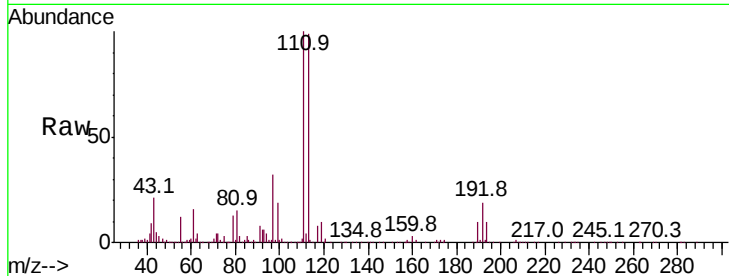
Acq: 29 May 2019 12:41

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0529SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 414617 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 101.3 | 79.4  | 119.2  |
| 192       | 19.5  | 13.4  | 20.2   |

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#36

1,1-Dichloropropene

Concen: 20.495 ug/l

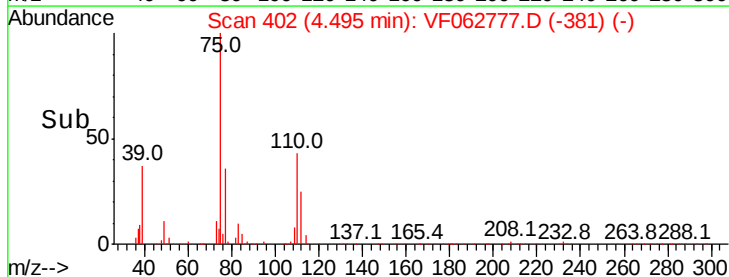
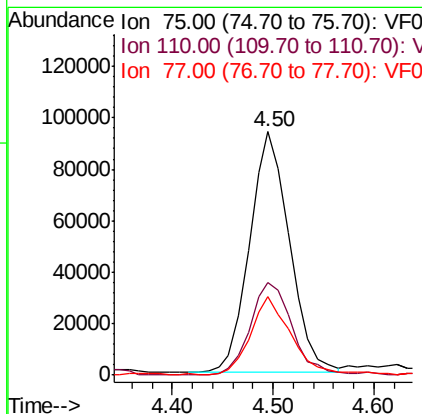
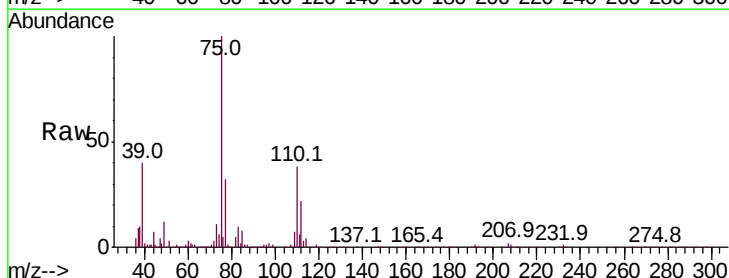
RT: 4.50 min Scan# 402

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 258039 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 38.2  | 19.7  | 59.1   |
| 77        | 32.0  | 26.3  | 39.5   |





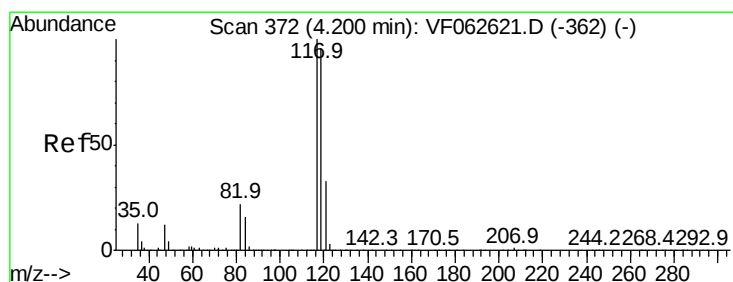
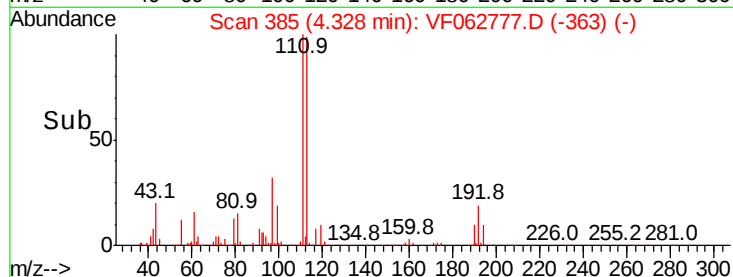
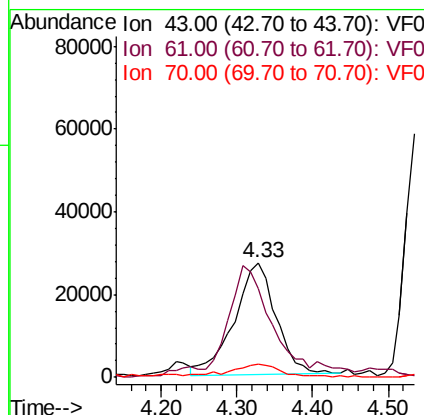
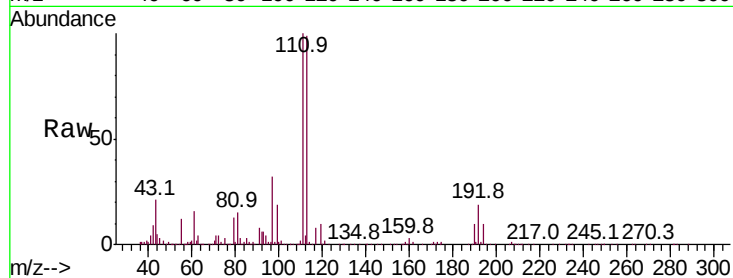
#37  
Ethyl Acetate  
Concen: 20.072 ug/l  
RT: 4.33 min Scan# 385  
Delta R.T. 0.02 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0529SBS01

| Tot Ion   | 43   | Resp  | 103186 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 61        | 77.2 | 76.9  | 115.3  |
| 70        | 12.0 | 8.8   | 13.2   |

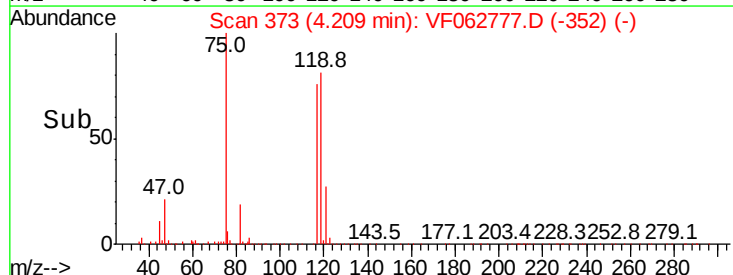
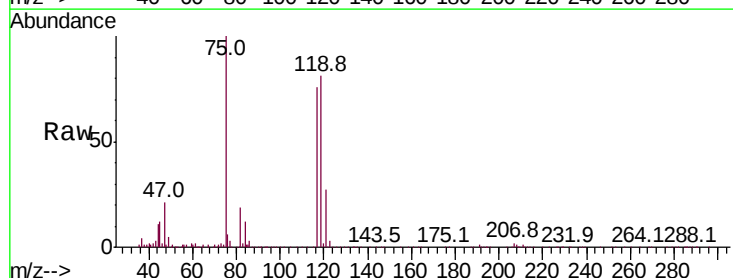
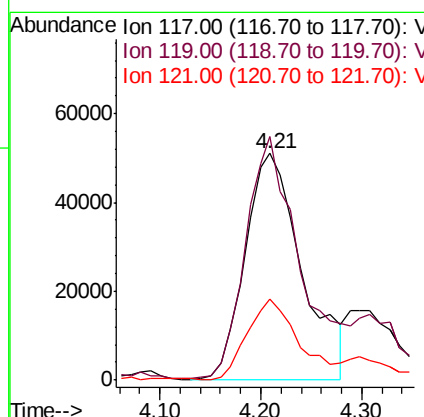
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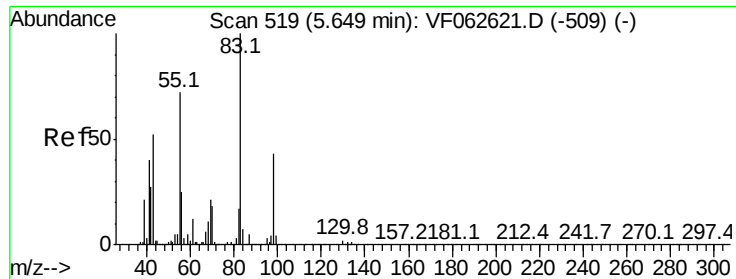
mmdadoda  
5/30/2019 11:02:05 AM



#38  
Carbon Tetrachloride  
Concen: 21.020 ug/l  
RT: 4.21 min Scan# 373  
Delta R.T. 0.01 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

| Tgt Ion   | 117   | Resp  | 199044 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 119       | 107.3 | 76.7  | 115.1  |
| 121       | 35.8  | 26.6  | 40.0   |





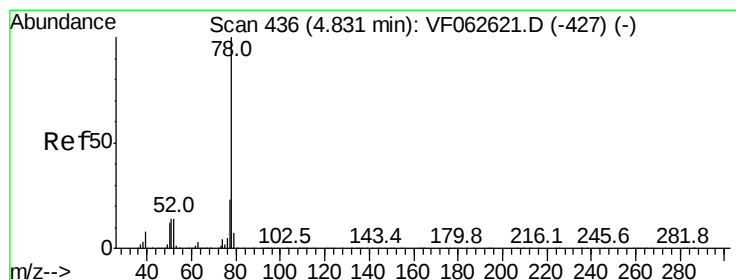
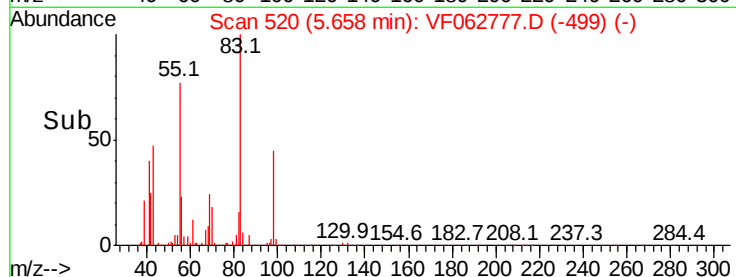
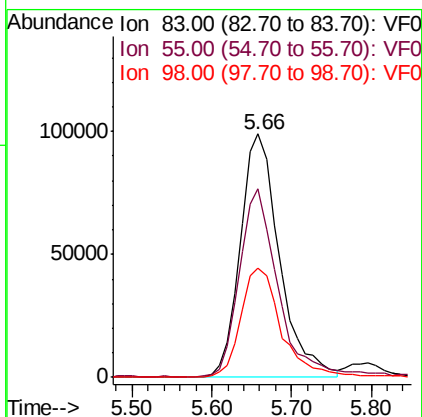
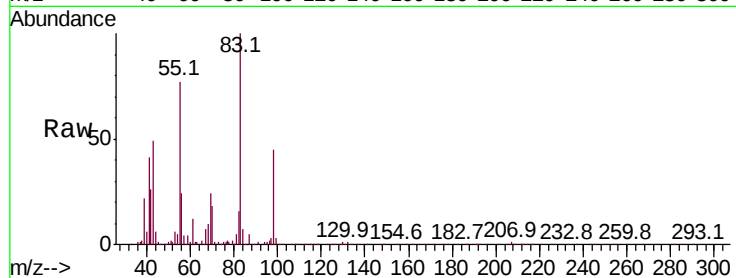
#39  
Methvlcvclohexane  
Concen: 22.232 ug/l  
RT: 5.66 min Scan# 520  
Delta R.T. 0.01 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0529SBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 55      | 77.3  | 57.9 | 86.9  |       |
| 98      | 45.1  | 34.6 | 52.0  |       |

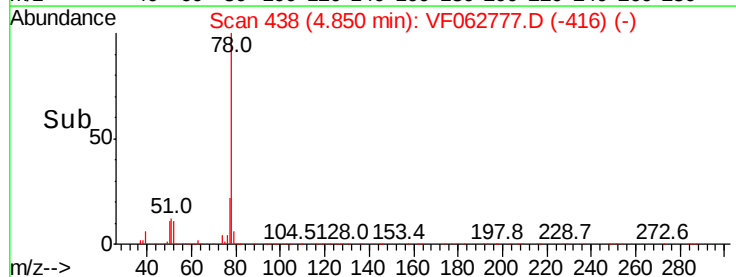
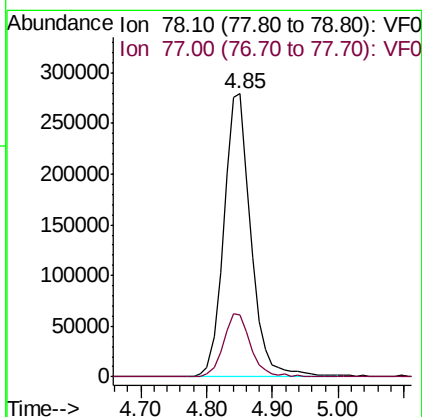
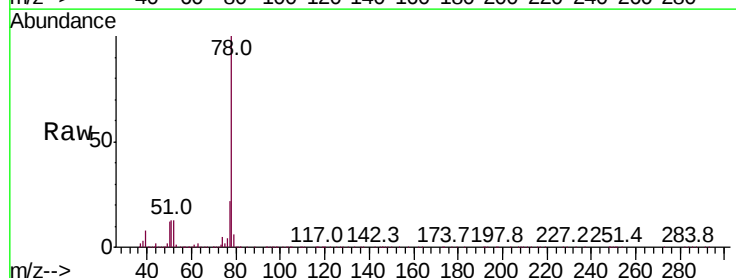
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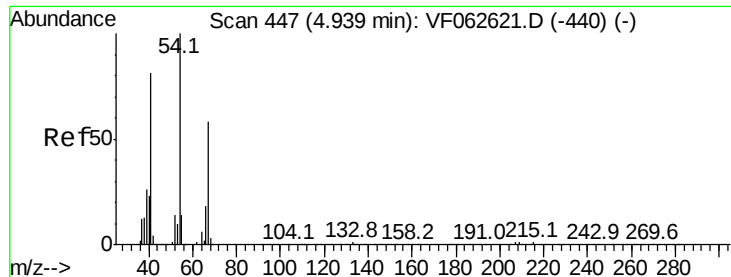
mmdadoda  
5/30/2019 11:02:05 AM



#40  
Benzene  
Concen: 23.374 ug/l  
RT: 4.85 min Scan# 438  
Delta R.T. 0.02 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 78      | 100   |      |       |       |
| 77      | 22.0  | 18.2 | 27.2  |       |





#41

Methacrylonitrile

Concen: 20.951 ug/l

RT: 4.95 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

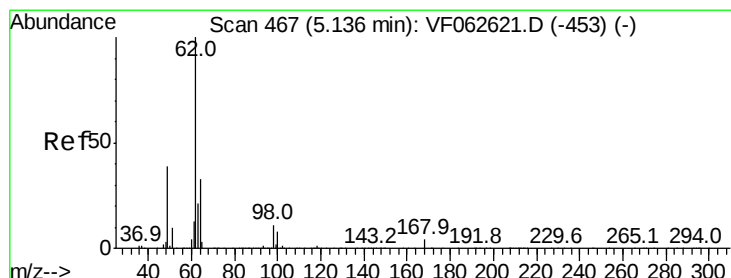
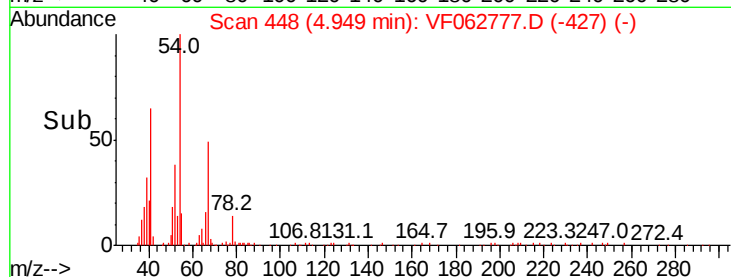
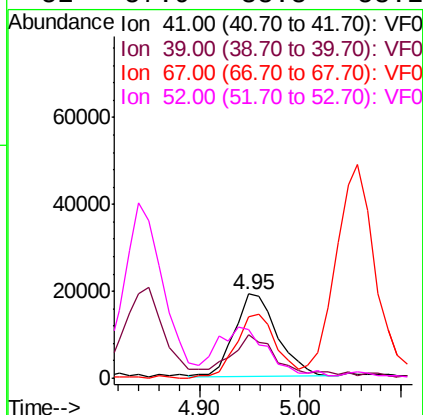
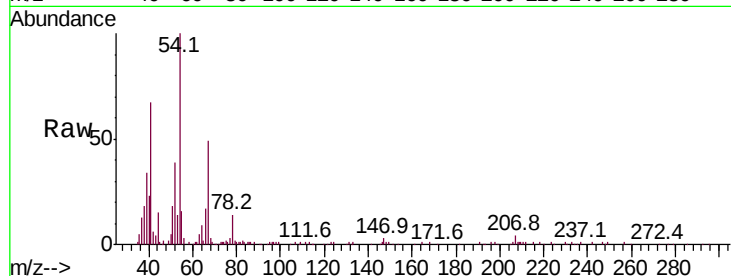
ClientSampled :

VF0529SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 51.4  | 42.2  | 63.2  |
| 67      | 73.1  | 56.4  | 84.6  |
| 52      | 57.9  | 38.8  | 58.2  |

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#42

1,2-Dichloroethane

Concen: 20.733 ug/l

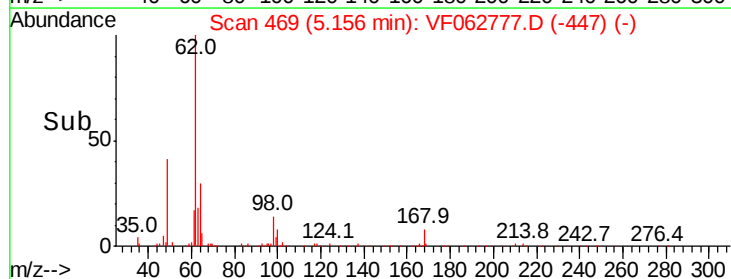
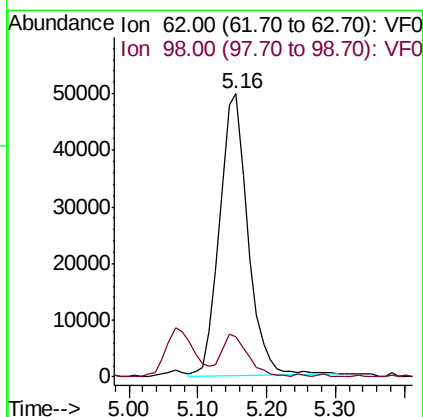
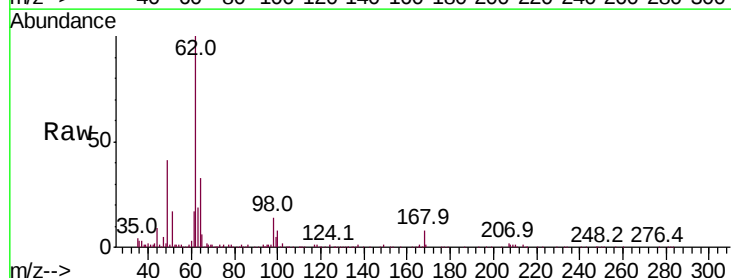
RT: 5.16 min Scan# 469

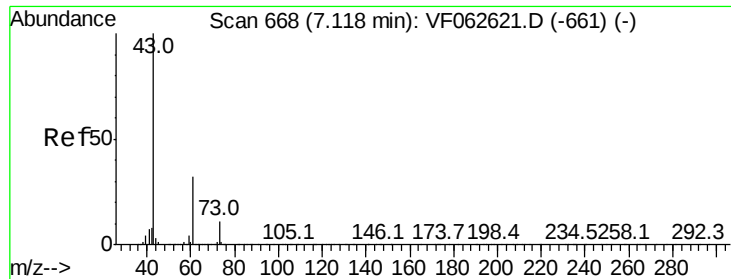
Delta R.T. 0.02 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 14.4  | 0.0   | 21.6  |





#43

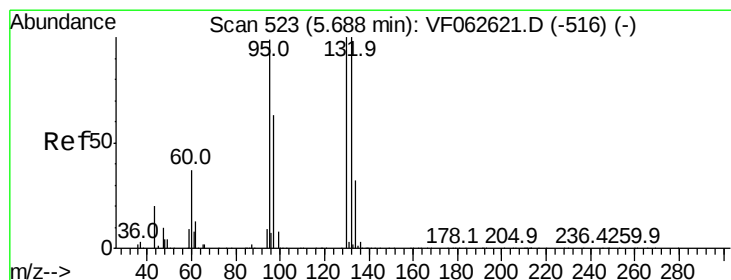
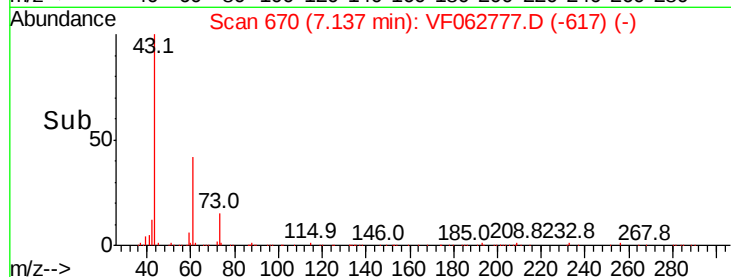
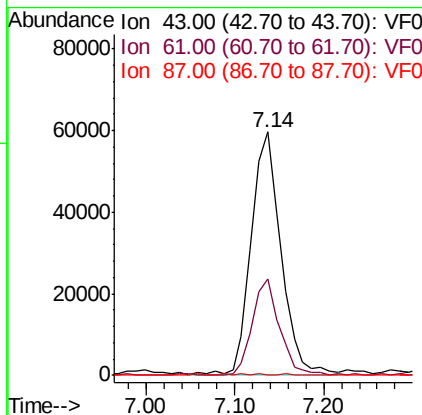
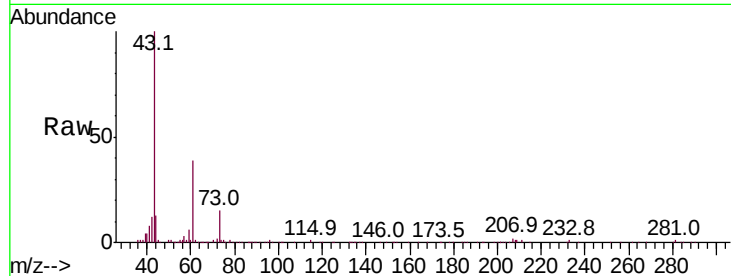
Isopropyl Acetate  
 Concen: 20.385 ug/l  
 RT: 7.14 min Scan# 670  
 Delta R.T. 0.02 min  
 Lab File: VF062777.D  
 Acq: 29 May 2019 12:41

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0529SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 39.4  | 25.8  | 38.8# |
| 87      | 0.3   | 0.4   | 0.6#  |

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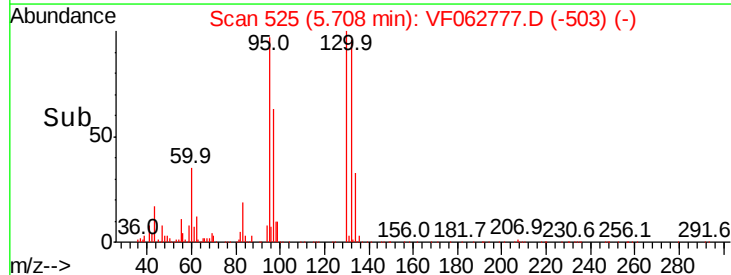
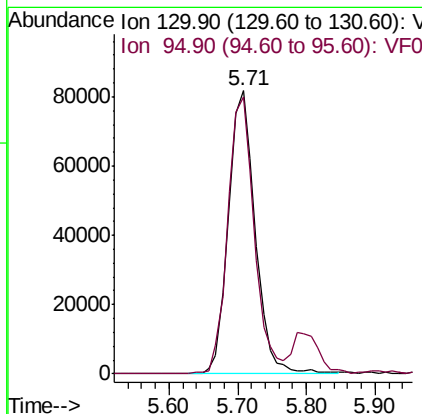
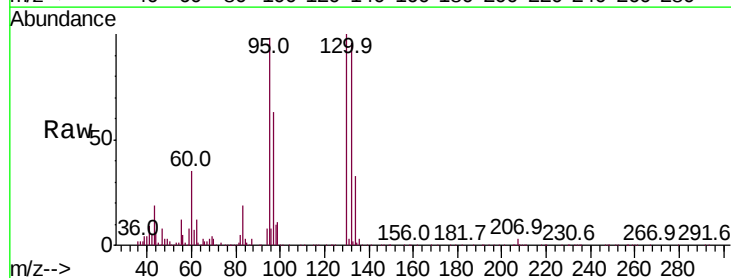
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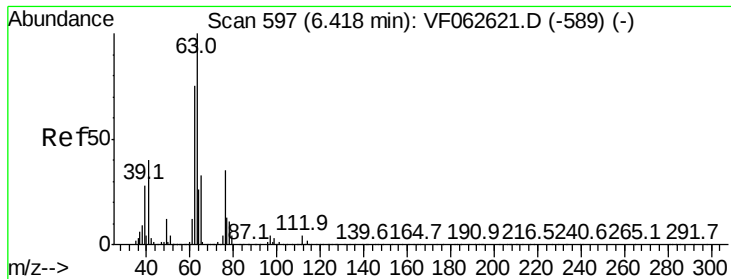


#44

Trichloroethene  
 Concen: 22.670 ug/l  
 RT: 5.71 min Scan# 525  
 Delta R.T. 0.02 min  
 Lab File: VF062777.D  
 Acq: 29 May 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 97.8  | 0.0   | 199.4 |





#45

1,2-Dichloropropane

Concen: 22.916 ug/l

RT: 6.43 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

ClientSampleId :

VF0529SBS01

Tot Ion: 63 Resp: 198423

Ion Ratio Lower Upper

63 100

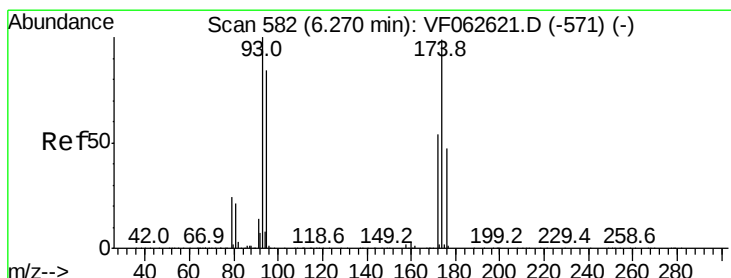
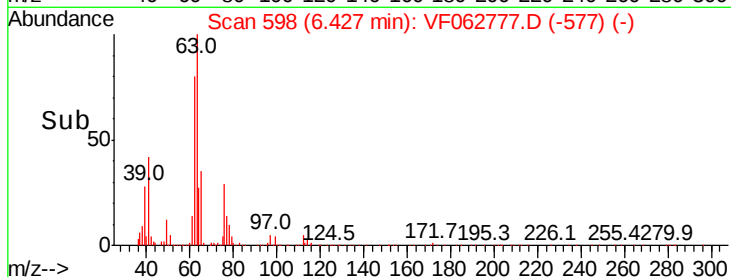
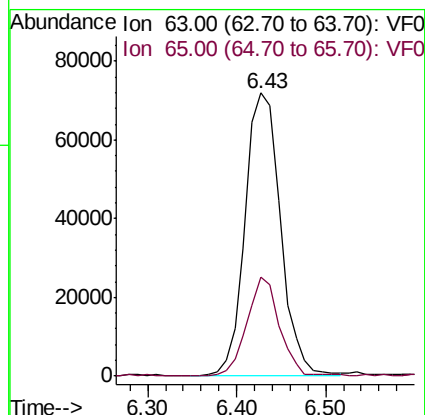
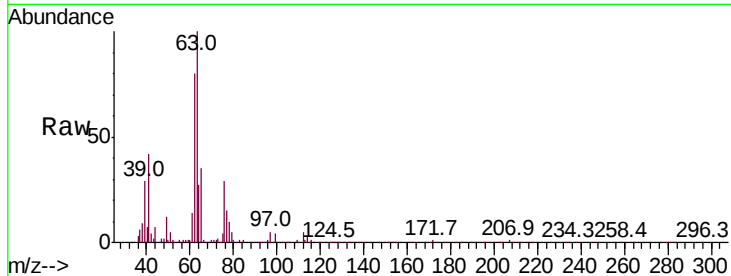
65 34.9 26.3 39.5

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#46

Dibromomethane

Concen: 24.190 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

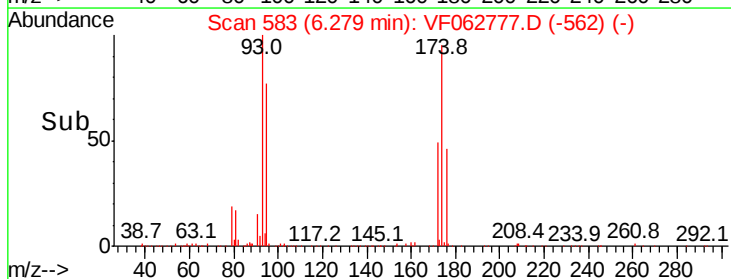
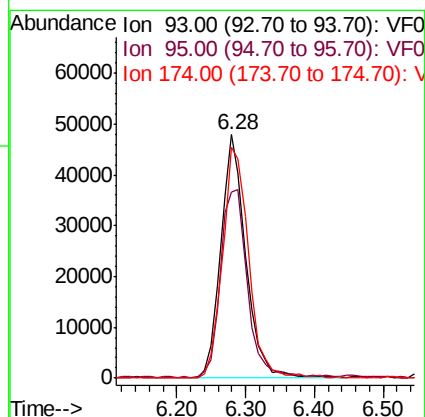
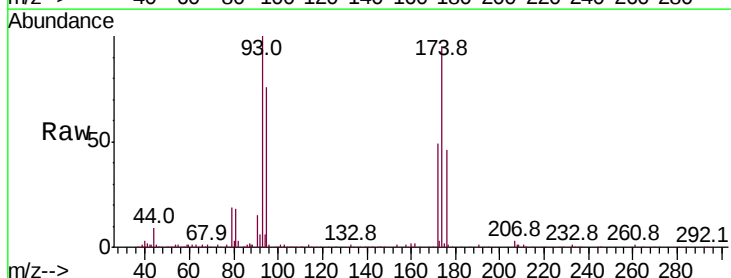
Tgt Ion: 93 Resp: 121048

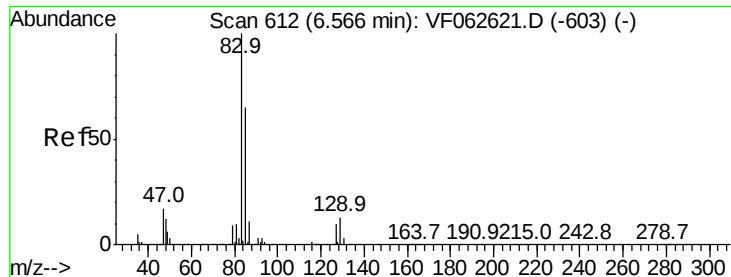
Ion Ratio Lower Upper

93 100

95 76.5 67.4 101.2

174 94.8 79.4 119.2





#47

Bromodichloromethane

Concen: 22.593 ug/l

RT: 6.58 min Scan# 613

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

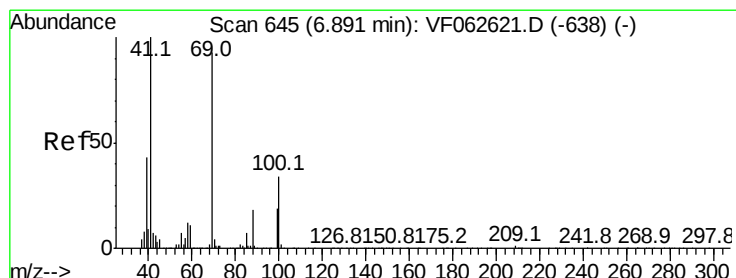
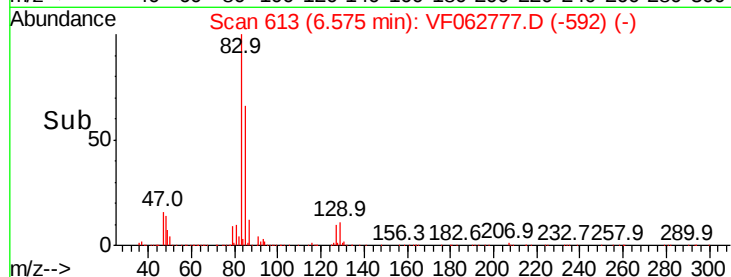
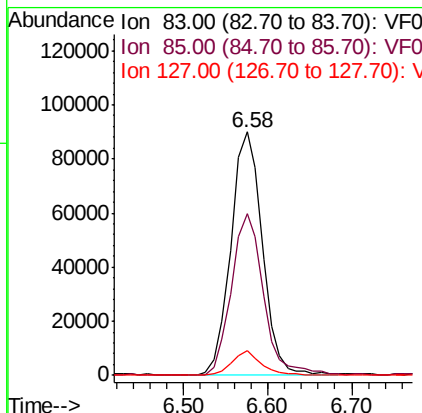
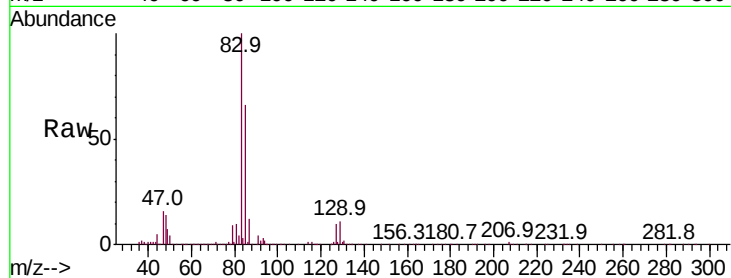
ClientSampleId :

VF0529SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 234704 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 66.4  | 52.0  | 78.0   |
| 127       | 11.7  | 7.7   | 11.5#  |

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#48

Methyl methacrylate

Concen: 20.103 ug/l

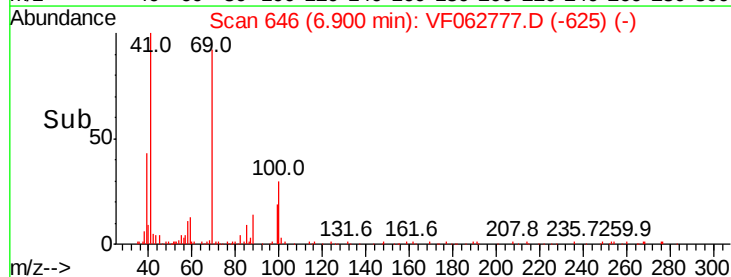
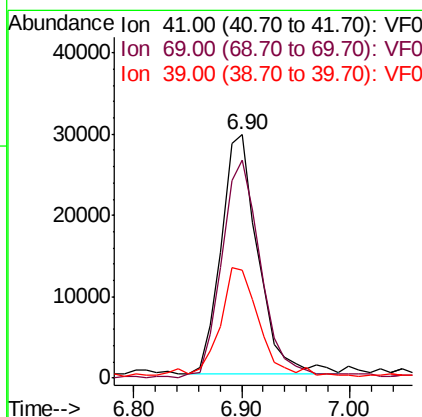
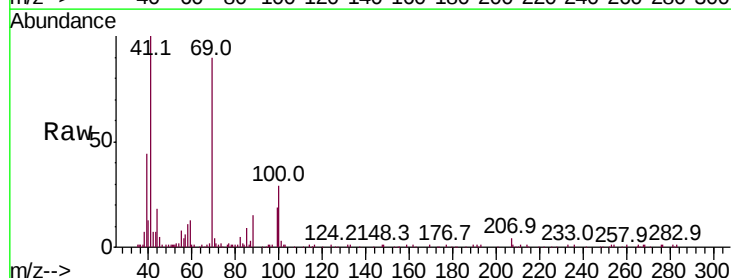
RT: 6.90 min Scan# 646

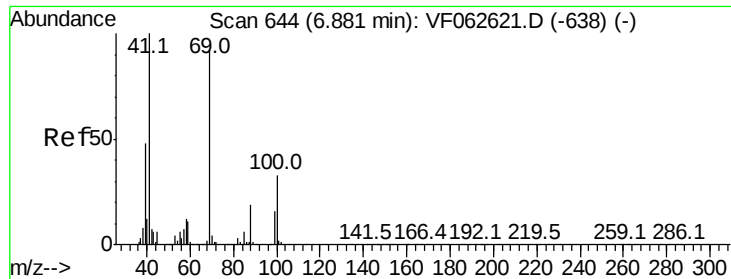
Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 69980 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 89.8  | 74.2  | 111.2 |
| 39        | 44.2  | 34.2  | 51.4  |





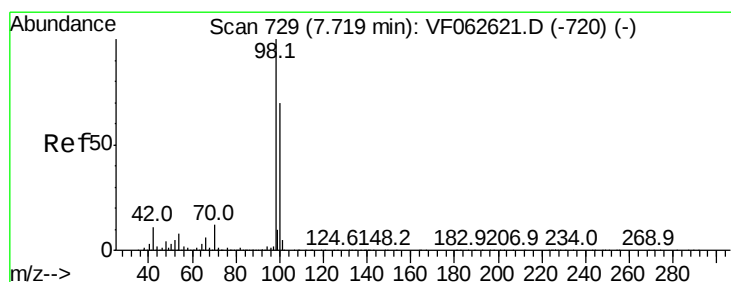
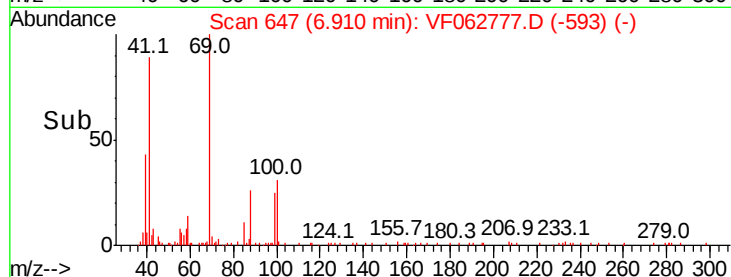
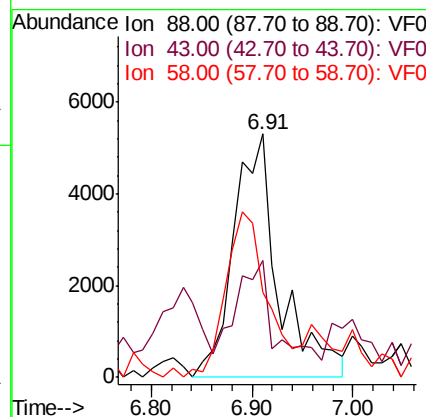
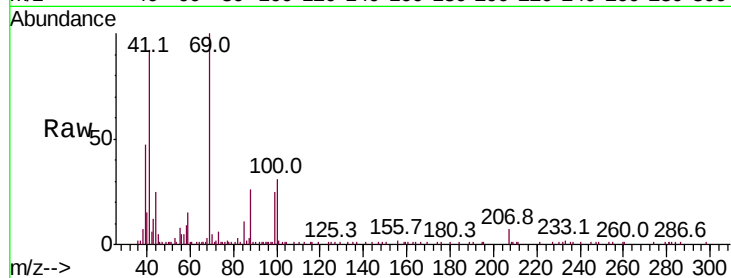
#49  
1,4-Dioxane  
Concen: 372.341 ug/l  
RT: 6.91 min Scan# 647  
Delta R.T. 0.03 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0529SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 48.1  | 30.0  | 45.0# |
| 58      | 35.1  | 51.1  | 76.7# |

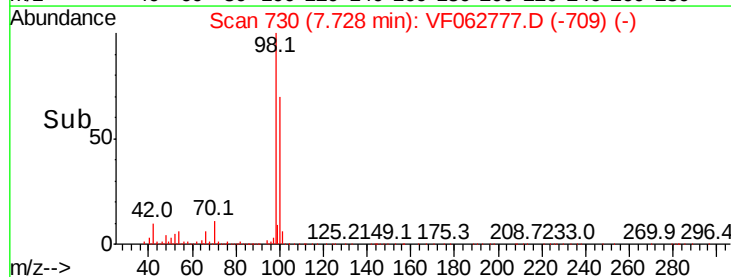
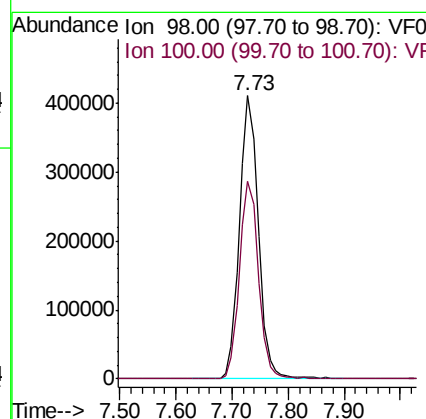
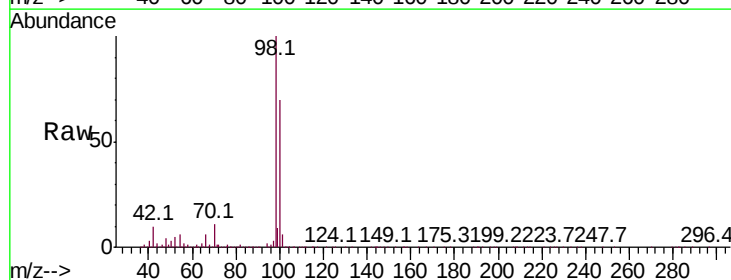
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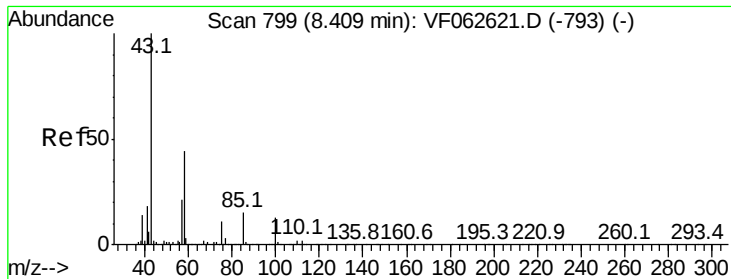
mmdadoda  
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#50  
Toluene-d8  
Concen: 43.077 ug/l  
RT: 7.73 min Scan# 730  
Delta R.T. 0.01 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 70.0  | 56.2  | 84.2  |





#51

4-Methyl-2-Pentanone

Concen: 117.697 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

ClientSampleID :

VF0529SBS01

Tot Ion: 43 Resp: 535802

Ion Ratio Lower Upper

43 100

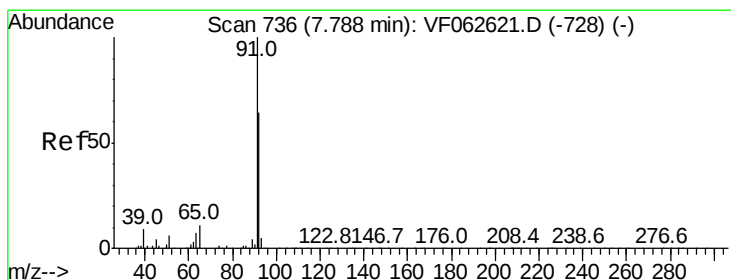
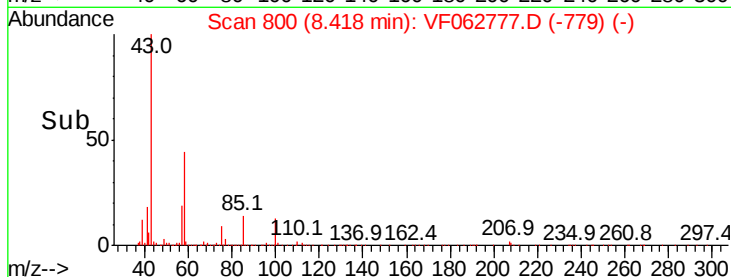
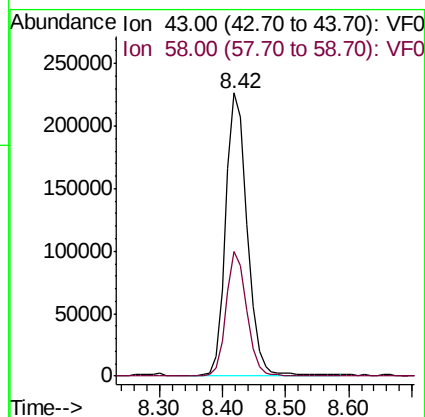
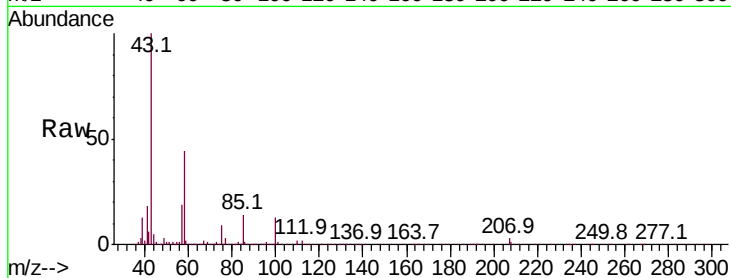
58 44.2 34.9 52.3

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#52

Toluene

Concen: 23.232 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF062777.D

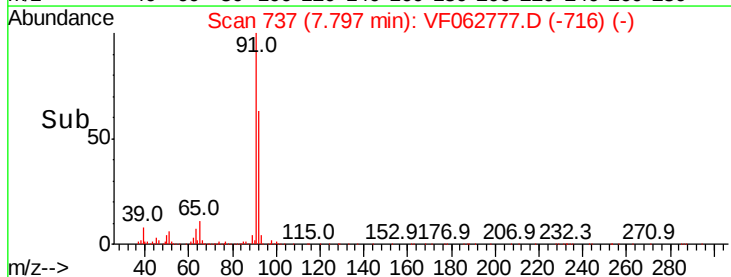
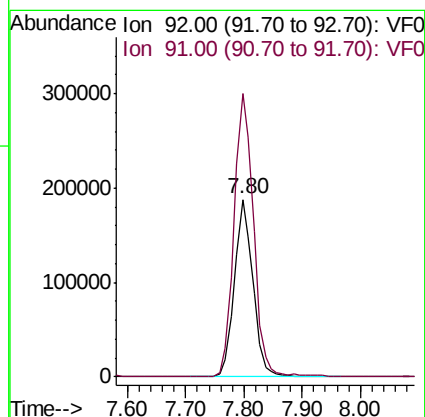
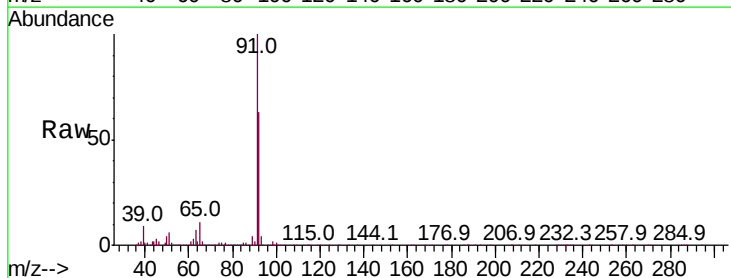
Acq: 29 May 2019 12:41

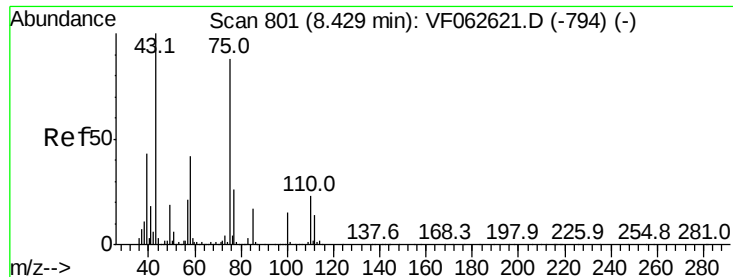
Tgt Ion: 92 Resp: 417915

Ion Ratio Lower Upper

92 100

91 159.7 125.4 188.0





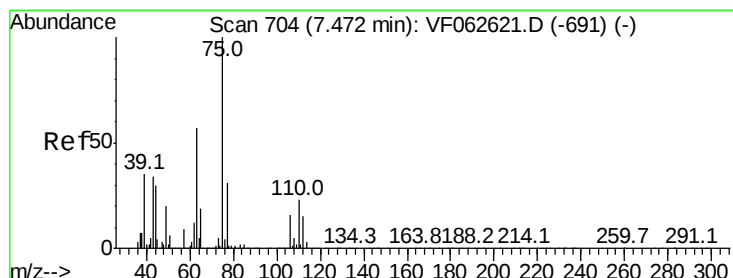
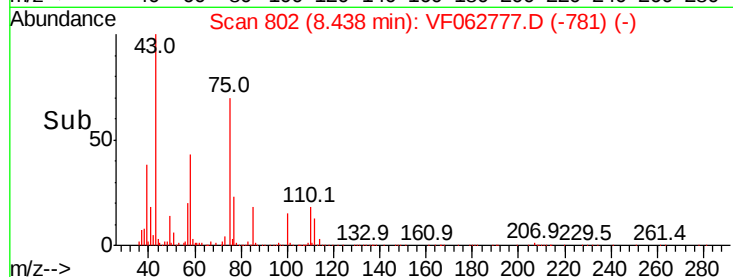
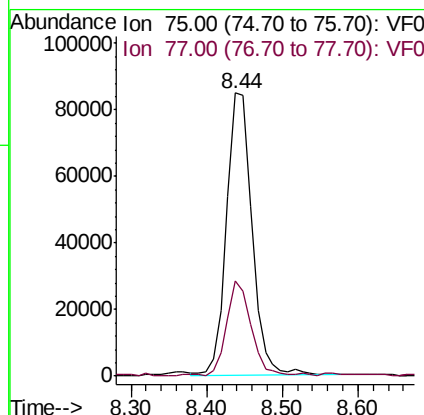
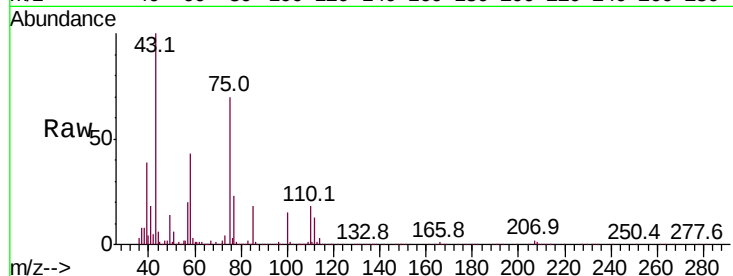
#53  
t-1,3-Dichloropropene  
Concen: 23.272 ug/l  
RT: 8.44 min Scan# 802  
Delta R.T. 0.01 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0529SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 33.4  | 24.2  | 36.4  |

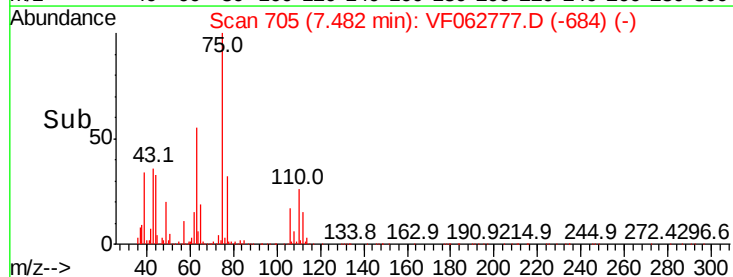
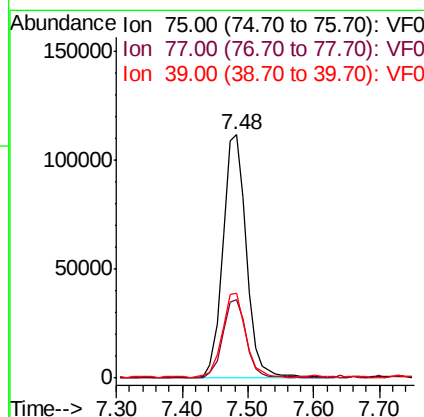
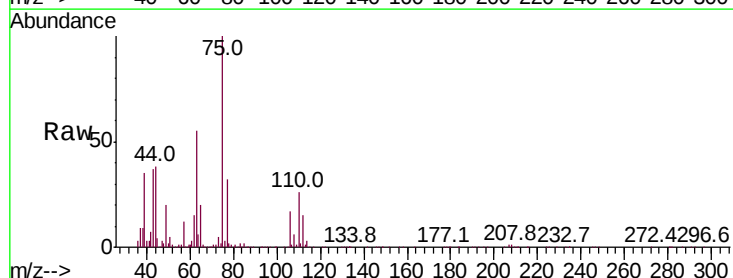
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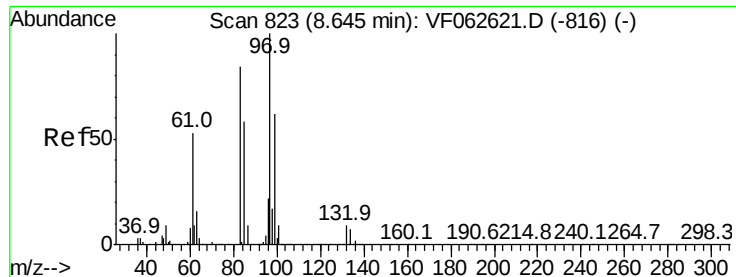
mmdadoda  
5/30/2019 11:02:05 AM



#54  
cis-1,3-Dichloropropene  
Concen: 23.538 ug/l  
RT: 7.48 min Scan# 705  
Delta R.T. 0.01 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.3  | 25.3  | 37.9  |
| 39      | 34.8  | 28.2  | 42.2  |





#55

1,1,2-Trichloroethane

Concen: 25.584 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

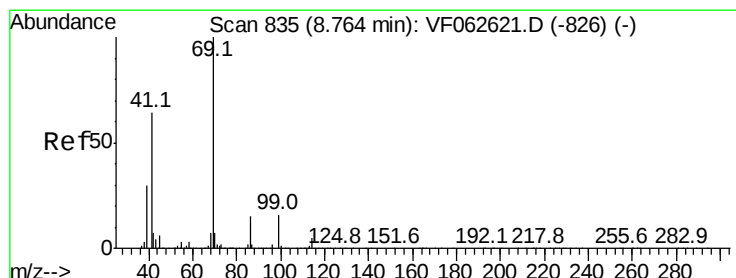
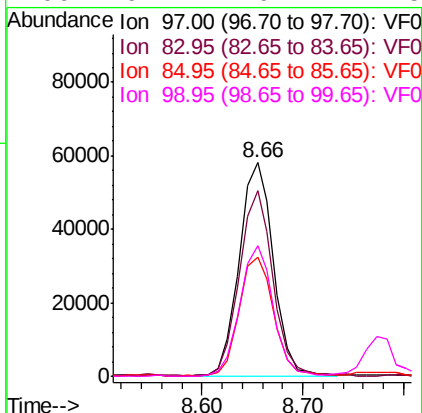
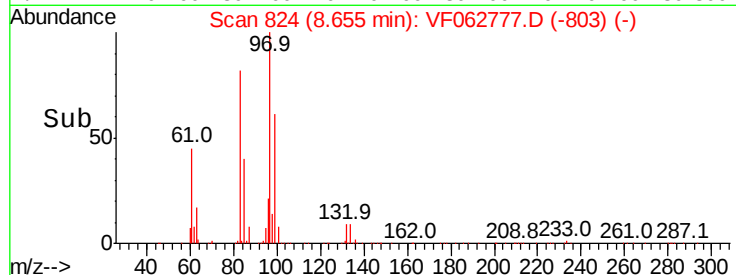
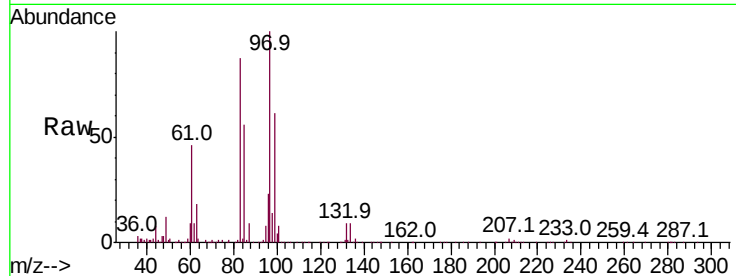
ClientSampleId :

VF0529SBS01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 136264 |       |       |
| 83      | 86.9 | 67.3  | 100.9  |       |       |
| 85      | 55.8 | 46.6  | 69.8   |       |       |
| 99      | 61.1 | 49.7  | 74.5   |       |       |

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#56

Ethyl methacrylate

Concen: 21.151 ug/l

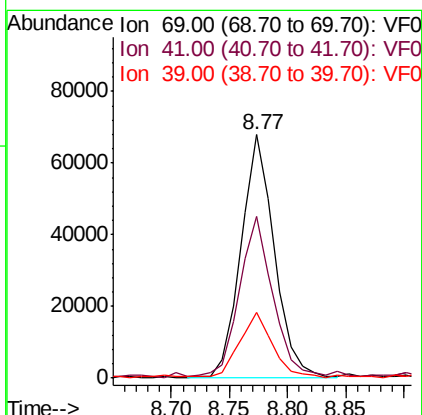
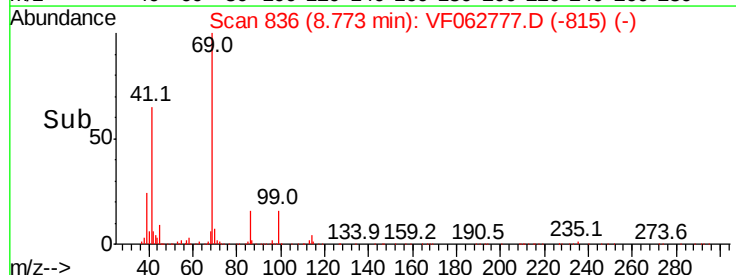
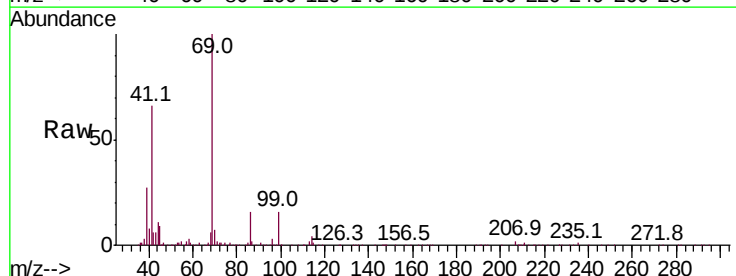
RT: 8.77 min Scan# 836

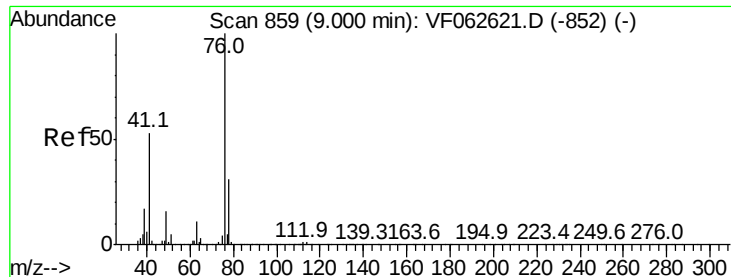
Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 134210 |       |       |
| 41      | 66.3 | 51.4  | 77.2   |       |       |
| 39      | 26.9 | 23.6  | 35.4   |       |       |





#57

1,3-Dichloropropane

Concen: 23.618 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062777.D

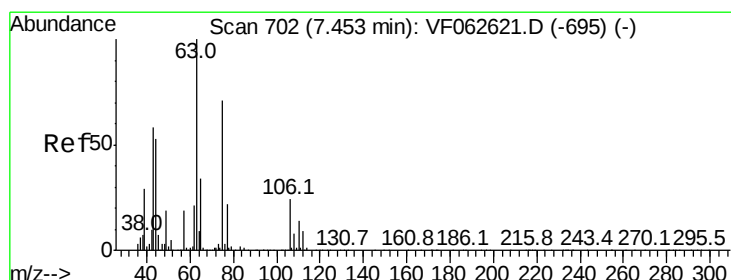
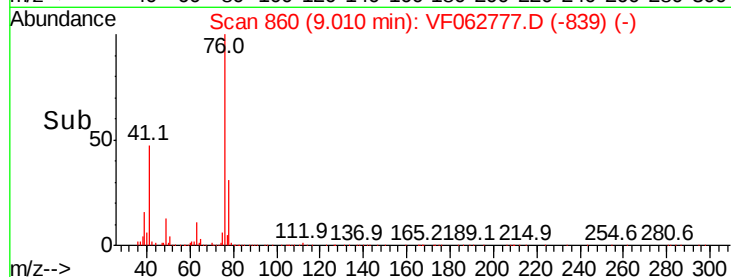
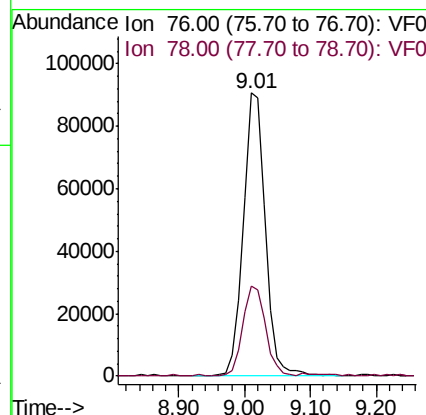
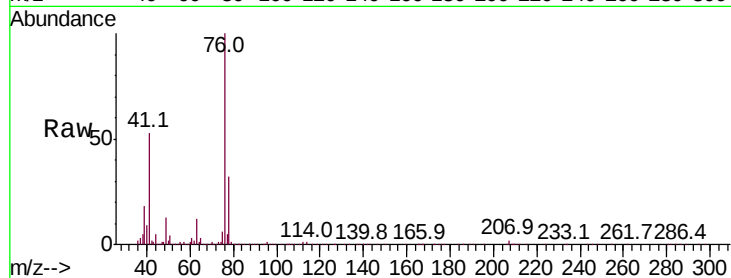
Acq: 29 May 2019 12:41

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0529SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 31.6  | 25.4  | 38.0  |

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#58

2-Chloroethyl Vinyl ether

Concen: 107.532 ug/l

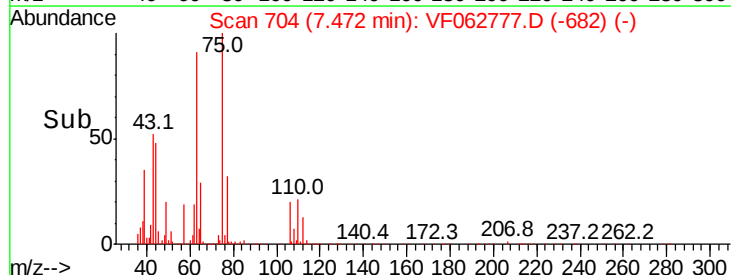
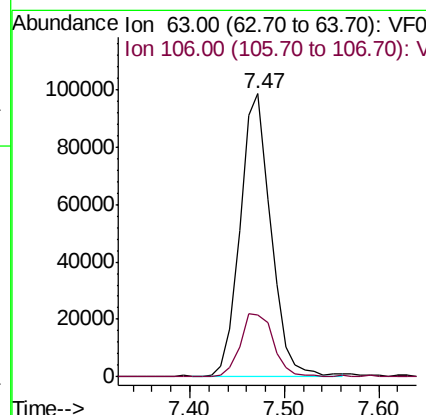
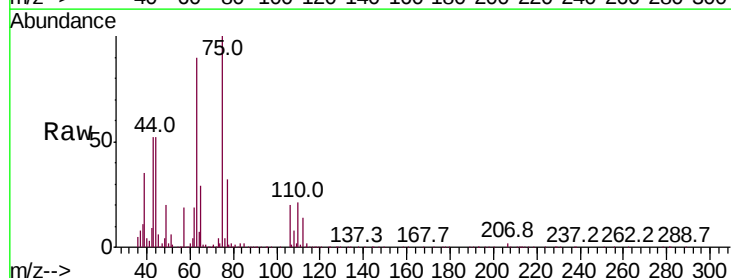
RT: 7.47 min Scan# 704

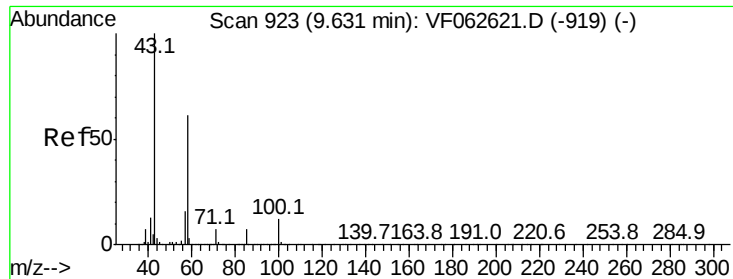
Delta R.T. 0.02 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 21.7  | 19.1  | 28.7  |





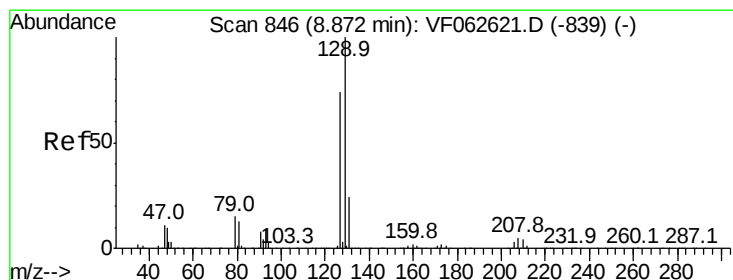
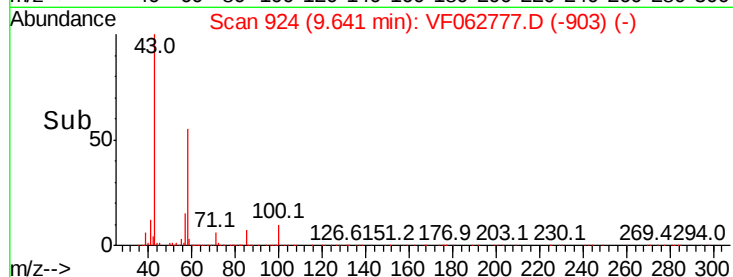
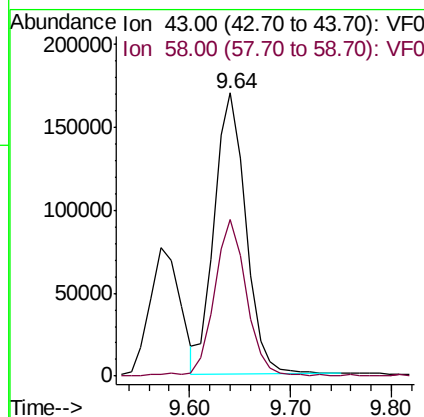
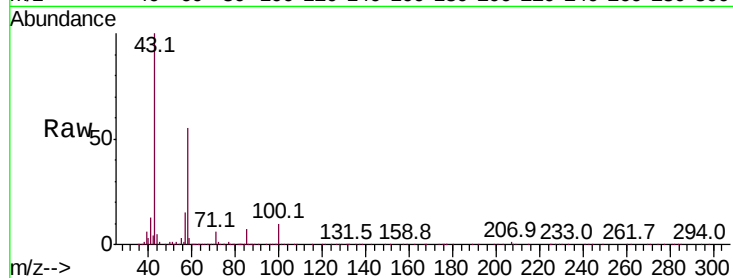
#59  
2-Hexanone  
Concen: 115.818 ug/l  
RT: 9.64 min Scan# 924  
Delta R.T. 0.01 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0529SBSD01

Tot Ion: 43 Resp: 371373  
Ion Ratio Lower Upper  
43 100  
58 55.2 28.1 84.4

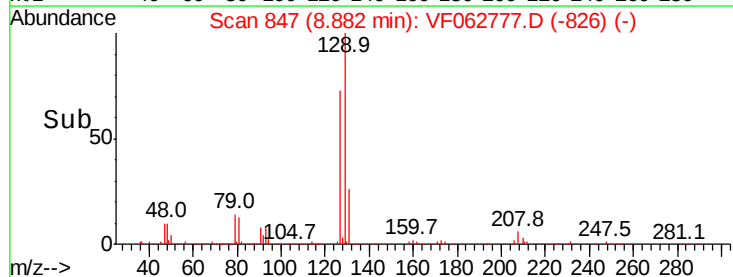
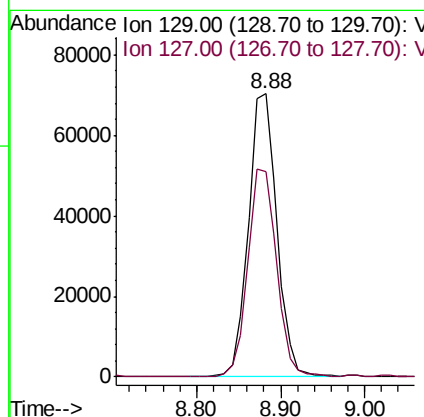
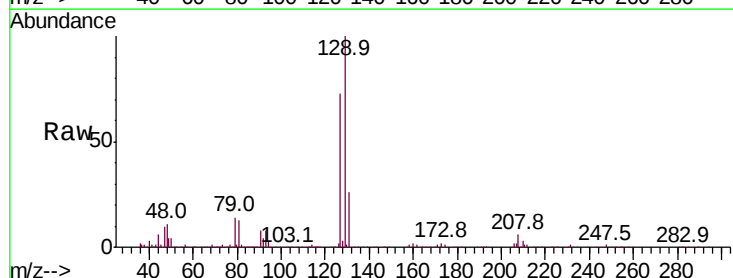
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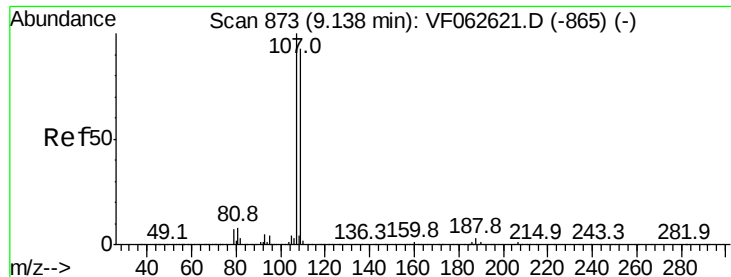
mmdadoda  
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#60  
Dibromochloromethane  
Concen: 23.907 ug/l  
RT: 8.88 min Scan# 847  
Delta R.T. 0.01 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

Tgt Ion: 129 Resp: 165953  
Ion Ratio Lower Upper  
129 100  
127 72.7 37.2 111.6





#61

1,2-Dibromoethane

Concen: 23.801 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

ClientSampleId :

VF0529SBS01

Tot Ion:107 Resp: 134645

Ion Ratio Lower Upper

107 100

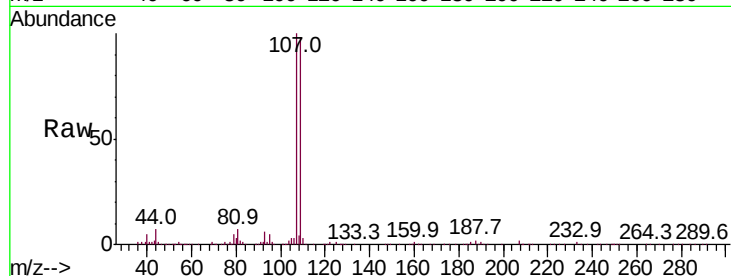
109 98.1 74.8 112.2

Manual Integrations

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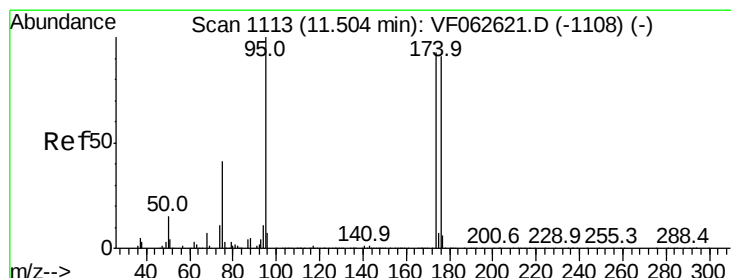
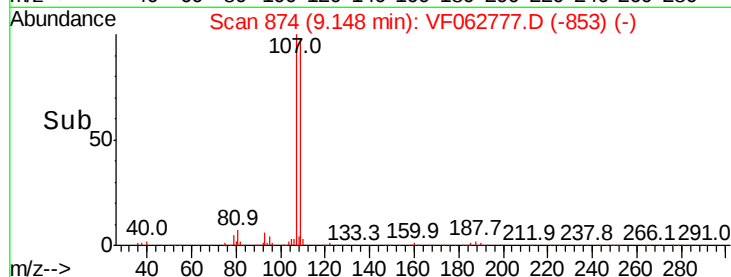
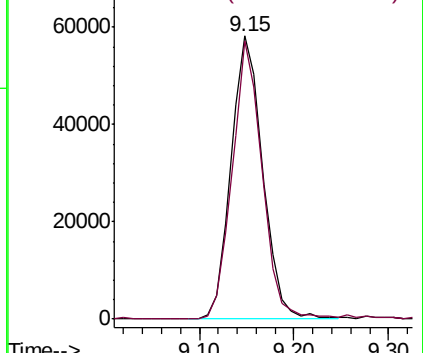
mmdadoda

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 42.431 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

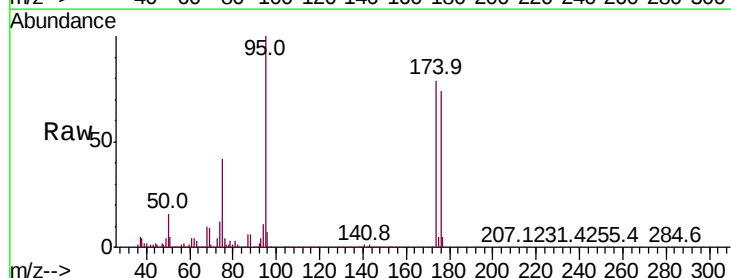
Tgt Ion: 95 Resp: 361261

Ion Ratio Lower Upper

95 100

174 78.9 0.0 185.6

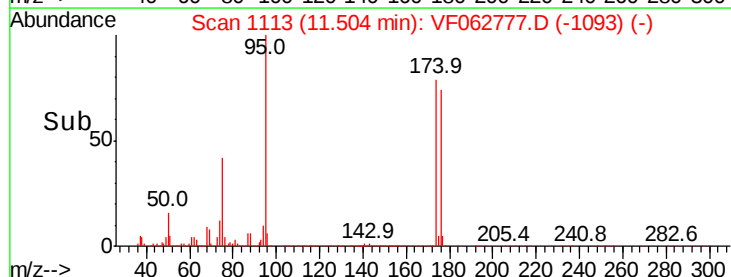
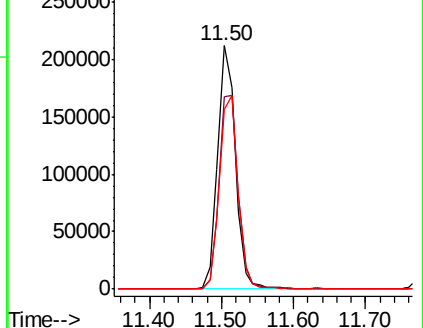
176 73.9 0.0 182.4

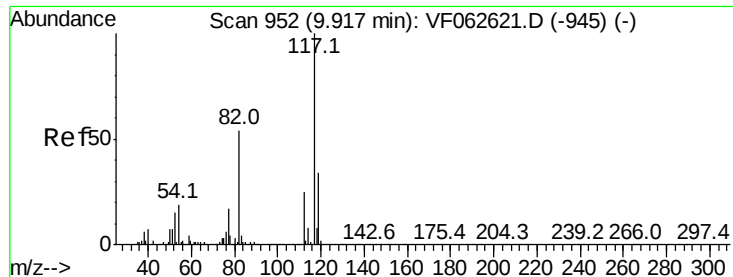


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





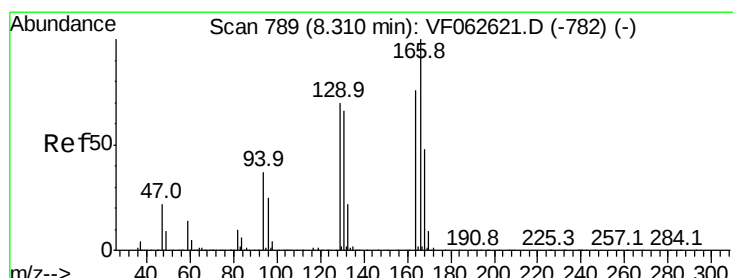
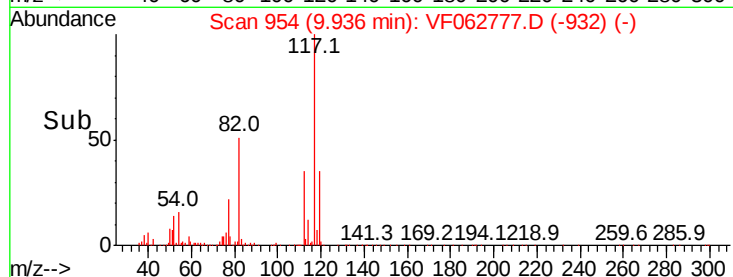
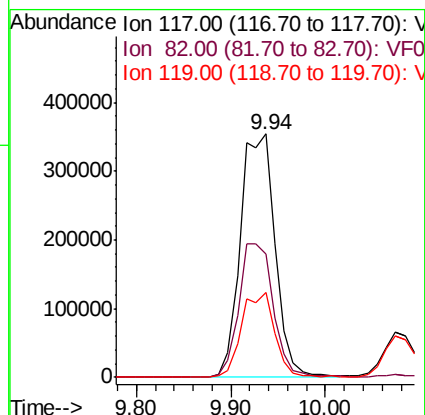
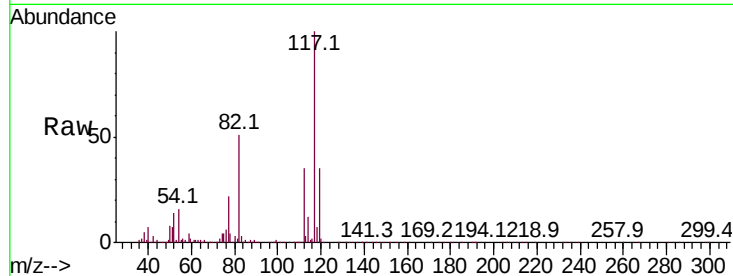
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.94 min Scan# 954  
Delta R.T. 0.02 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0529SBS01

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 117     | 100   |            |            |
| 82      | 50.8  | 43.3       | 64.9       |
| 119     | 35.1  | 27.4       | 41.0       |

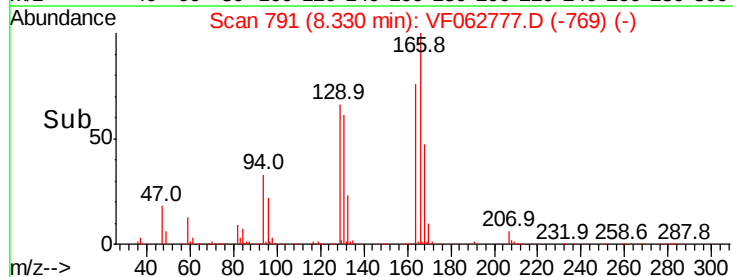
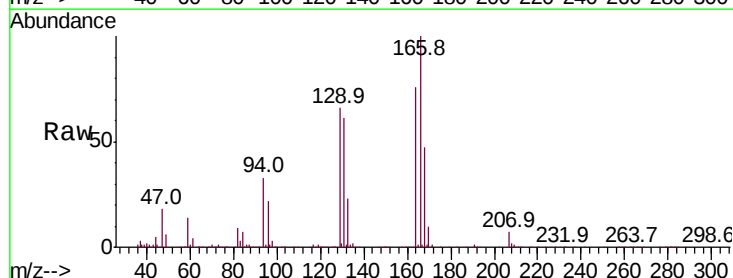
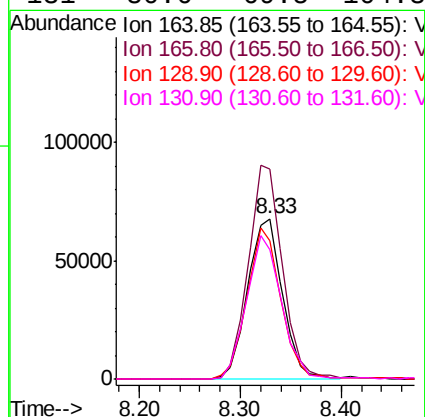
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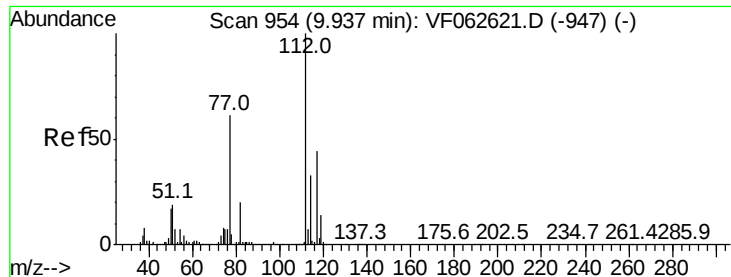
mmdadoda  
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#64  
Tetrachloroethene  
Concen: 22.787 ug/l  
RT: 8.33 min Scan# 791  
Delta R.T. 0.02 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 164     | 100   |            |            |
| 166     | 131.1 | 105.5      | 158.3      |
| 129     | 86.1  | 73.8       | 110.6      |
| 131     | 80.6  | 69.5       | 104.3      |





#65

Chlorobenzene

Concen: 24.642 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

ClientSampleId :

VF0529SBS01

Tot Ion:112 Resp: 436687

Ion Ratio Lower Upper

112 100

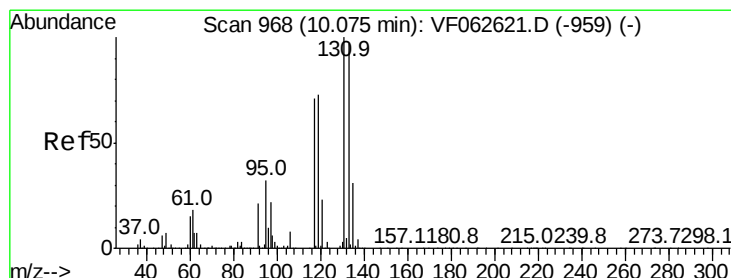
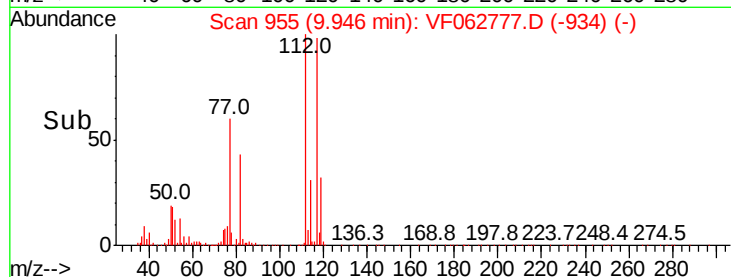
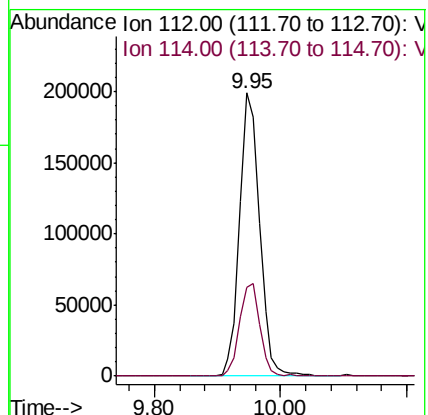
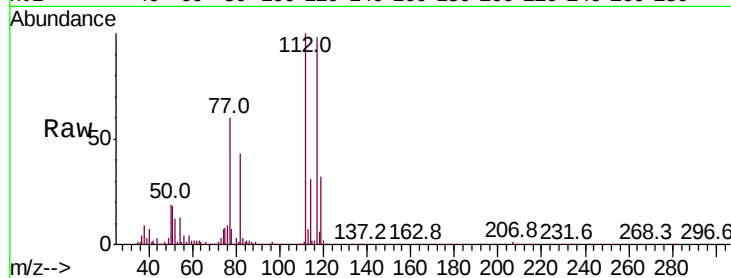
114 31.4 26.8 40.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 25.899 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

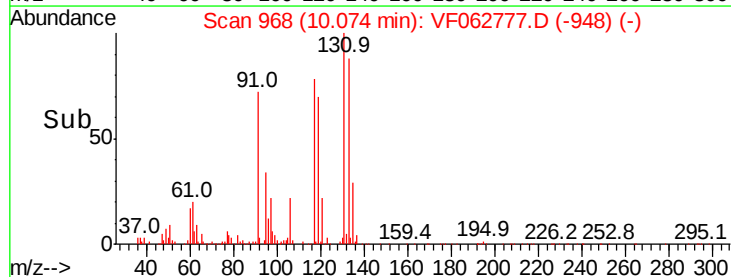
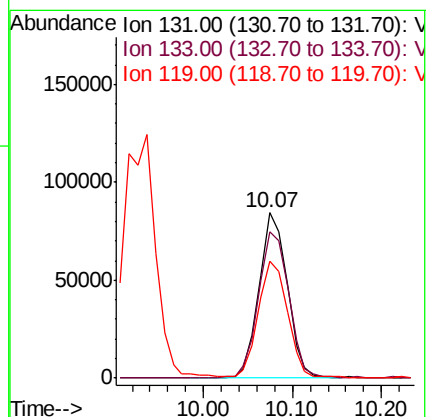
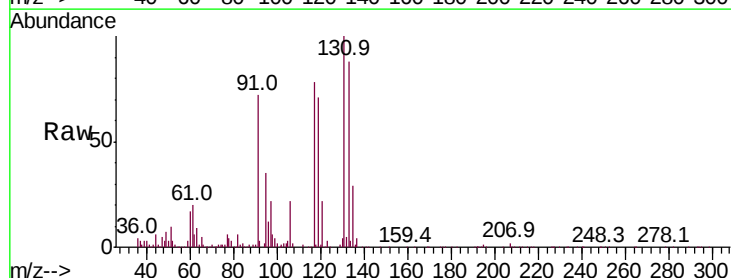
Tgt Ion:131 Resp: 184253

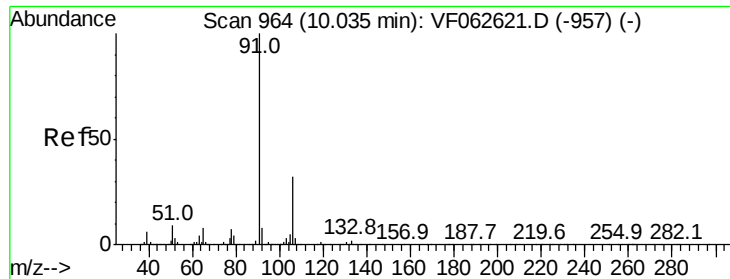
Ion Ratio Lower Upper

131 100

133 88.5 48.5 145.5

119 70.6 36.8 110.4





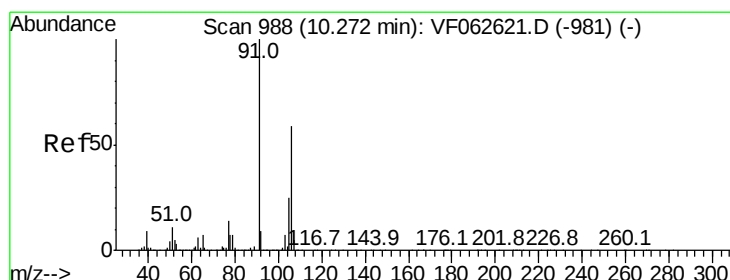
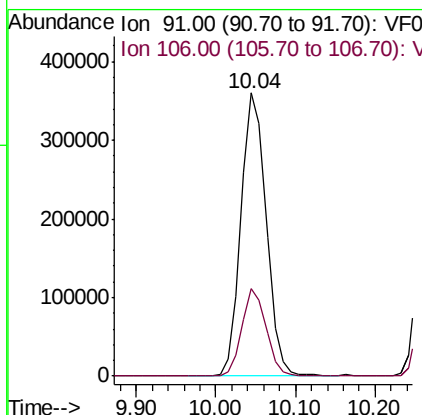
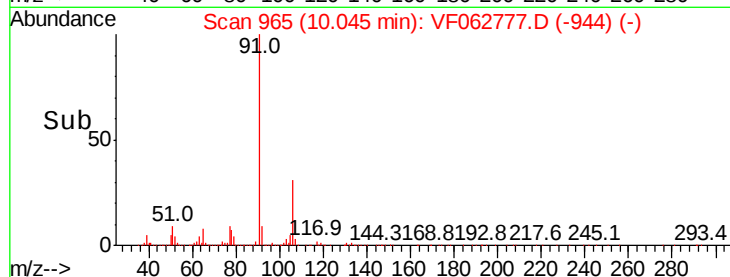
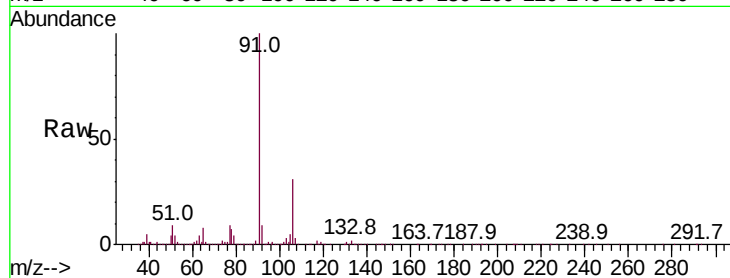
#67  
Ethyl Benzene  
Concen: 25.776 ug/l  
RT: 10.04 min Scan# 965  
Delta R.T. 0.01 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0529SBS01

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 91      | 100  |       |      |       |       |
| 106     | 30.9 | 25.8  | 38.8 |       |       |

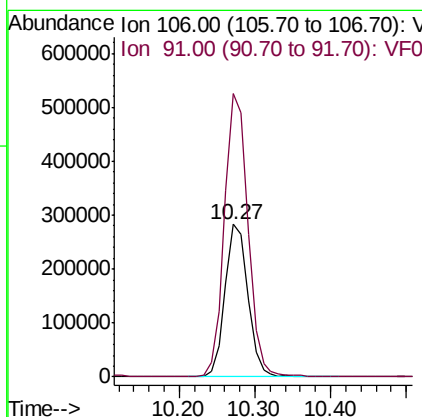
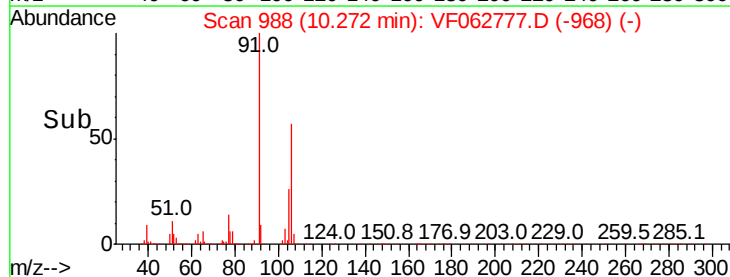
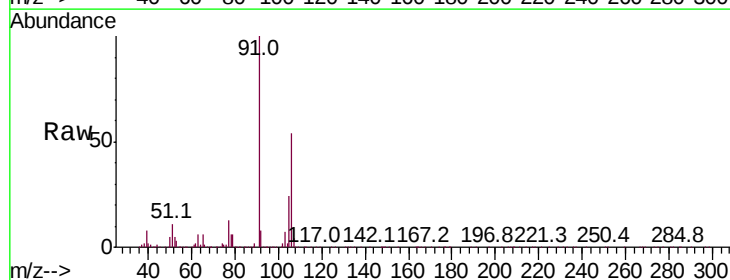
Manual Integrations  
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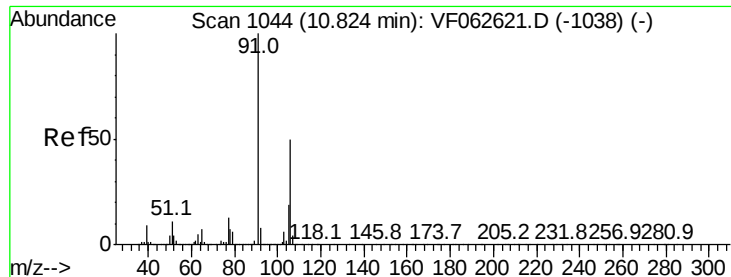
mmdadoda  
5/30/2019 11:02:05 AM



#68  
m/p-Xylenes  
Concen: 51.317 ug/l  
RT: 10.27 min Scan# 988  
Delta R.T. -0.00 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

| Tgt Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |       |
| 91      | 185.3 | 136.9 | 205.3 |       |       |





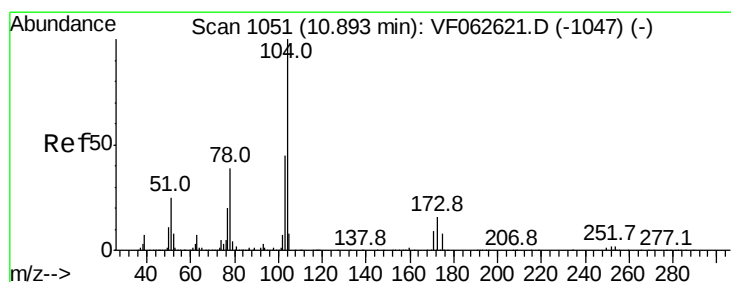
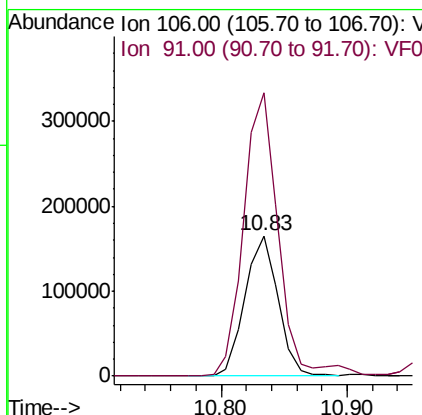
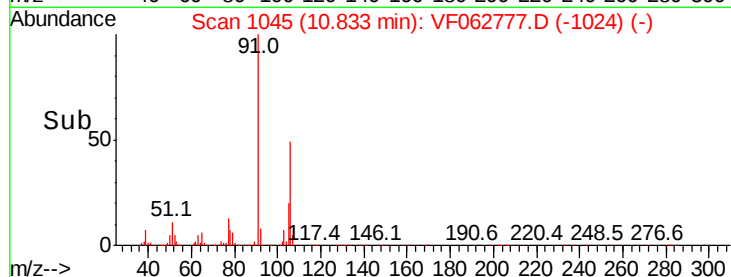
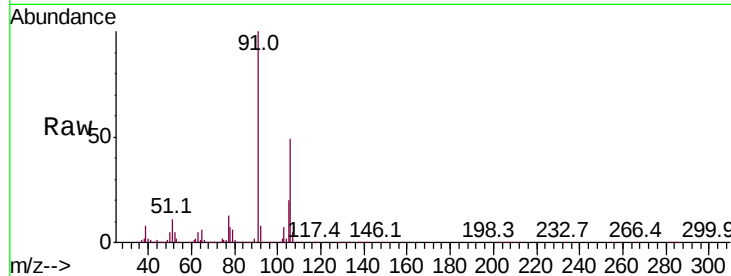
#69  
o-Xylene  
Concen: 25.362 ug/l  
RT: 10.83 min Scan# 1045  
Delta R.T. 0.01 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0529SBS01

Tot Ion:106 Resp: 302266  
Ion Ratio Lower Upper  
106 100  
91 202.2 100.2 300.5

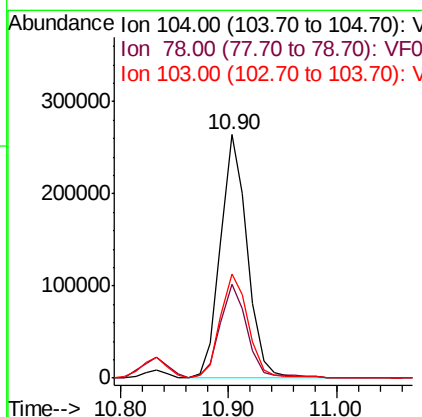
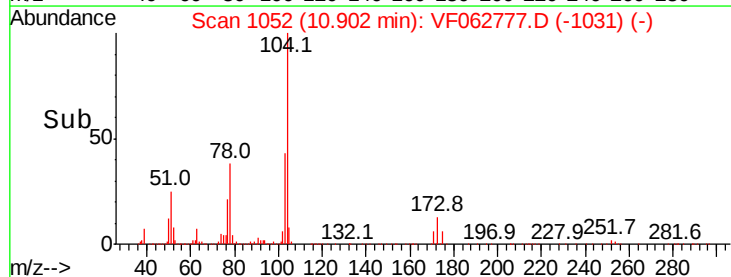
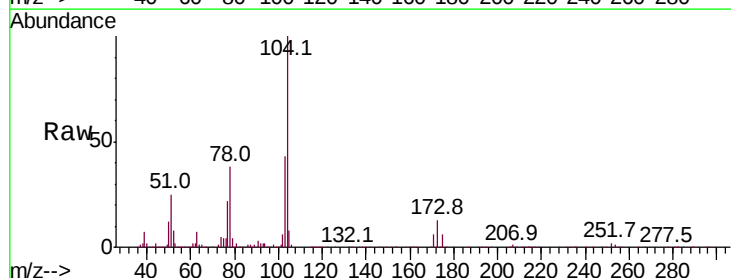
Manual Integrations  
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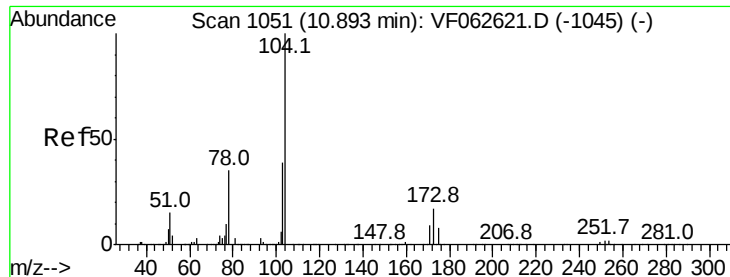
mmdadoda  
5/30/2019 11:02:05 AM



#70  
Styrene  
Concen: 25.036 ug/l  
RT: 10.90 min Scan# 1052  
Delta R.T. 0.01 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

Tgt Ion:104 Resp: 453517  
Ion Ratio Lower Upper  
104 100  
78 38.4 31.9 47.9  
103 42.7 36.1 54.1





#71

Bromoform

Concen: 24.810 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

ClientSampleId :

VF0529SBSD01

Tot Ion:173 Resp: 88398

Ion Ratio Lower Upper

173 100

175 43.1 25.3 75.9

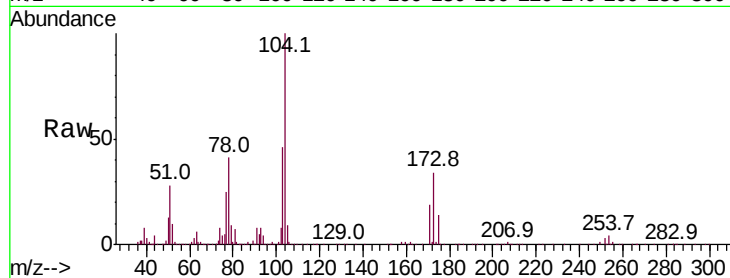
254 0.5 0.2 0.2#

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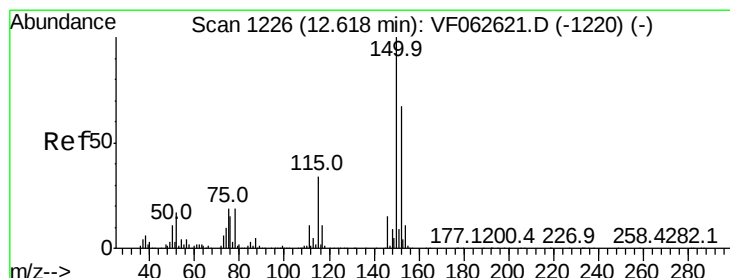
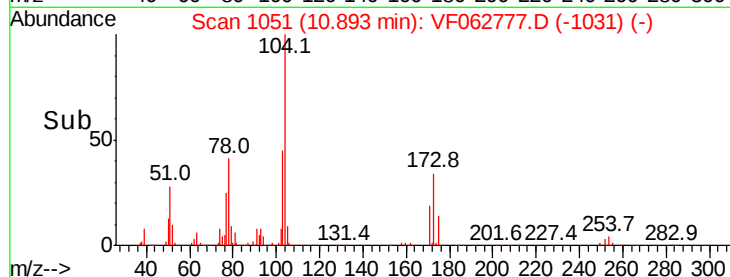
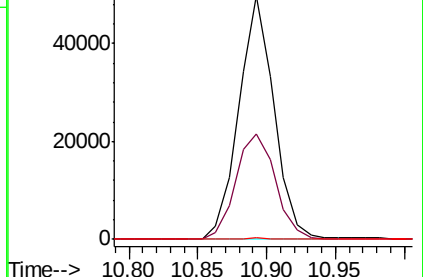
5/30/2019 11:02:05 AM



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

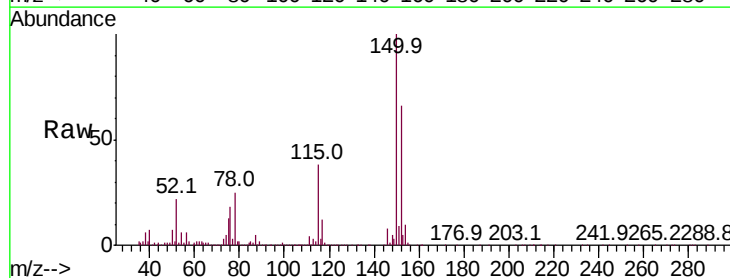
Tgt Ion:152 Resp: 469019

Ion Ratio Lower Upper

152 100

115 57.7 25.2 75.6

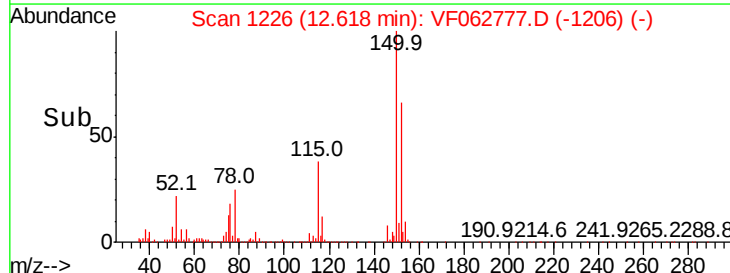
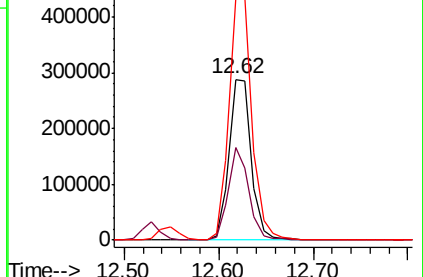
150 151.0 0.0 306.2

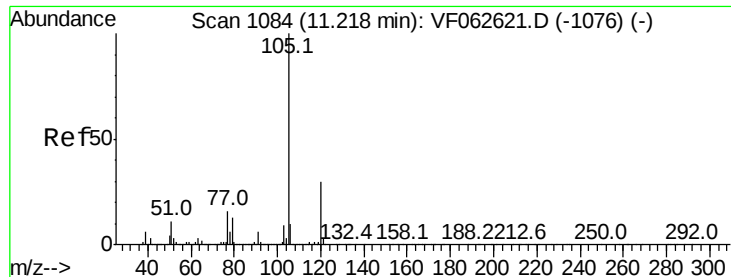


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.817 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

ClientSampleId :

VF0529SBS01

Tot Ion:105 Resp: 766983

Ion Ratio Lower Upper

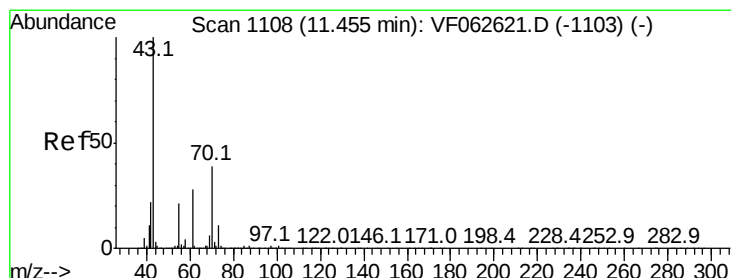
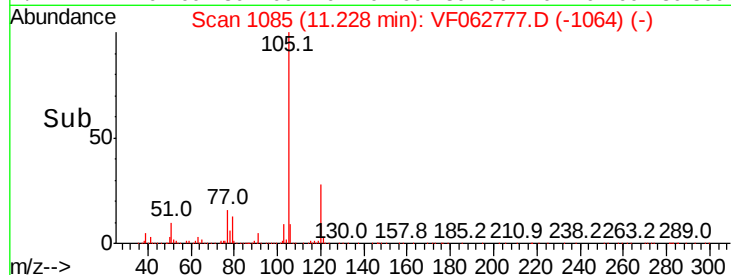
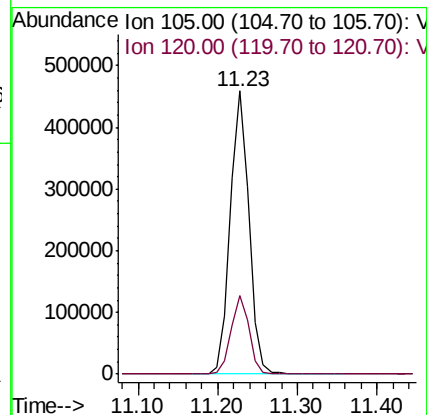
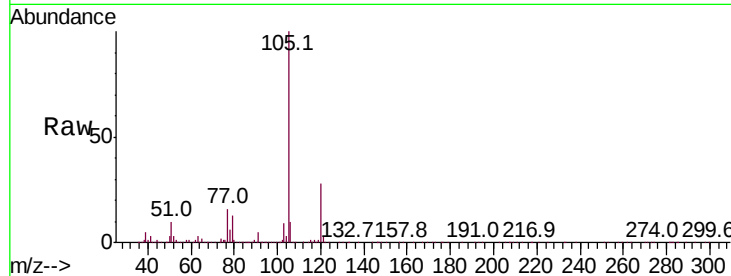
105 100

120 27.6 14.8 44.4

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#74

N-ethyl acetate

Concen: 23.506 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Tgt Ion: 43 Resp: 225506

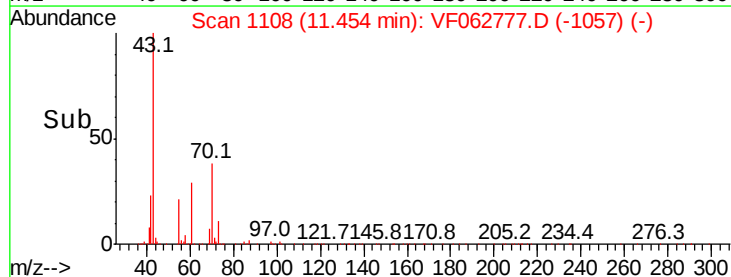
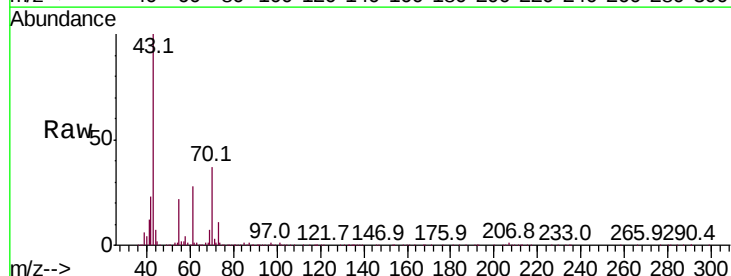
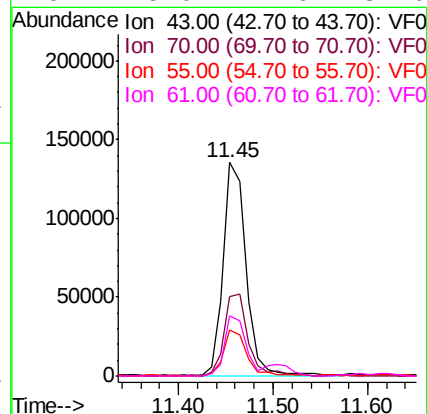
Ion Ratio Lower Upper

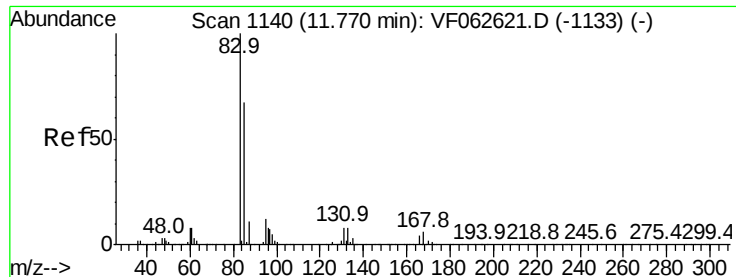
43 100

70 37.2 30.9 46.3

55 21.8 17.0 25.4

61 28.0 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.252 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

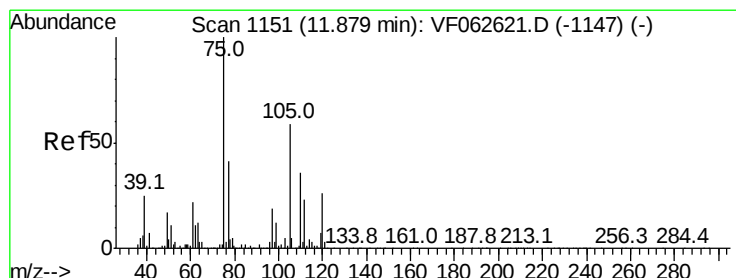
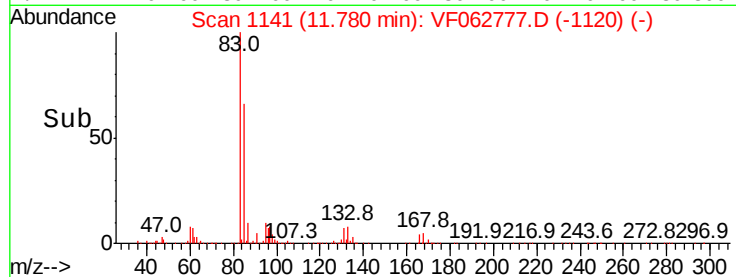
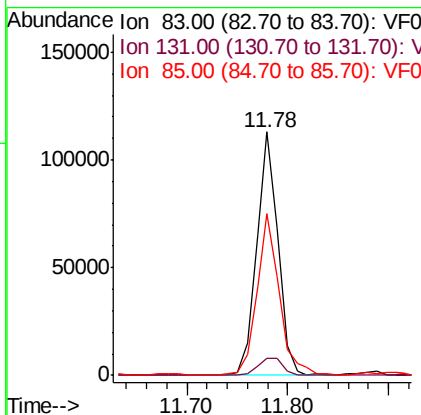
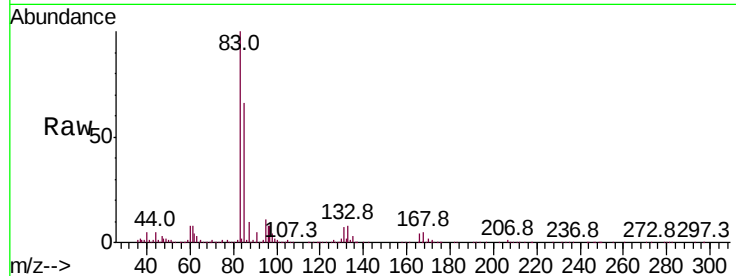
ClientSampleId :

VF0529SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 166606 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 7.1   | 4.0   | 12.0   |
| 85        | 66.2  | 33.5  | 100.5  |

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#76

1,2,3-Trichloropropane

Concen: 23.484 ug/l

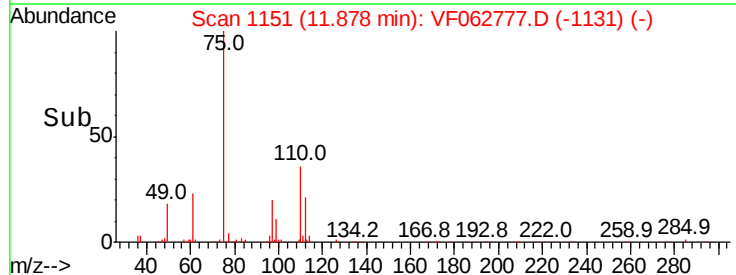
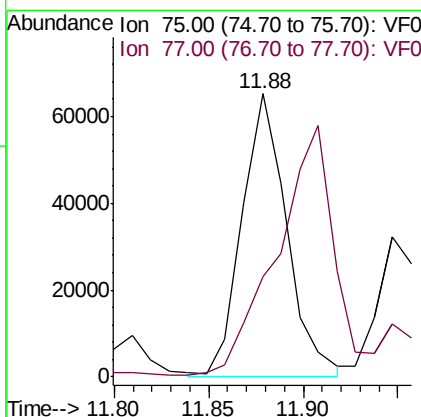
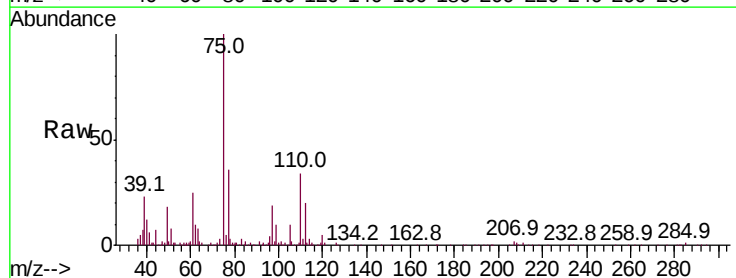
RT: 11.88 min Scan# 1151

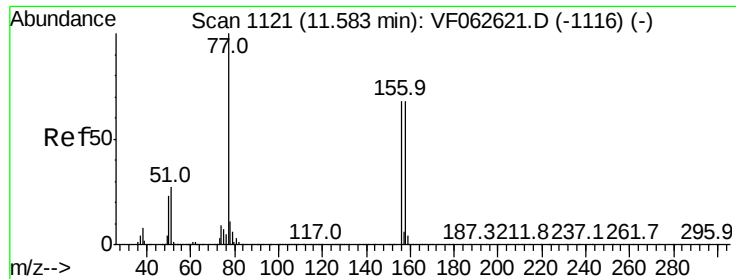
Delta R.T. -0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 106004 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 35.7  | 20.6  | 61.8   |





#77

Bromobenzene

Concen: 22.836 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

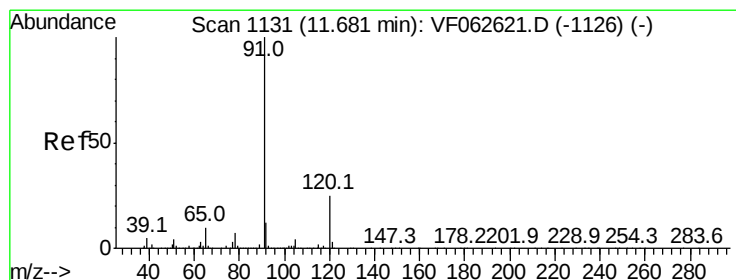
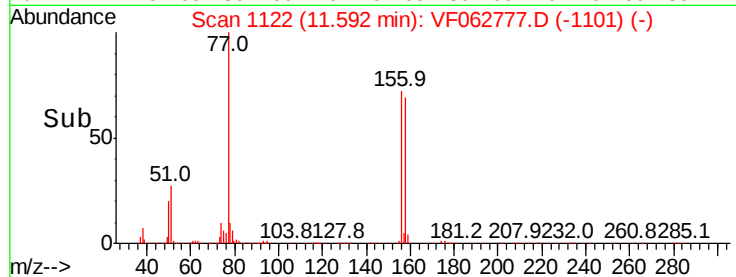
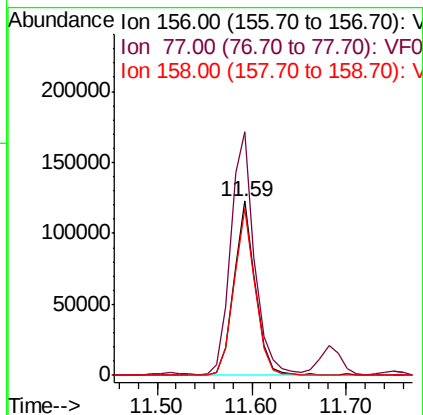
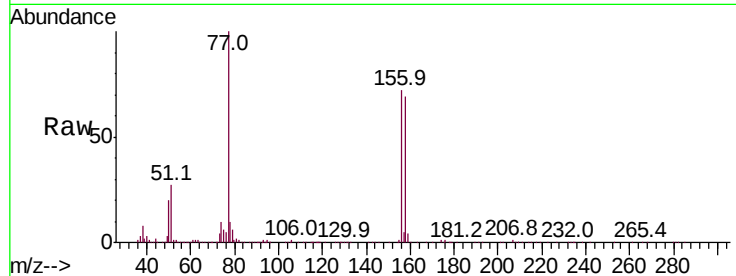
ClientSampleId :

VF0529SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 190815 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 139.6 | 73.6  | 220.8  |
| 158       | 96.0  | 49.6  | 148.8  |

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#78

n-propylbenzene

Concen: 23.400 ug/l

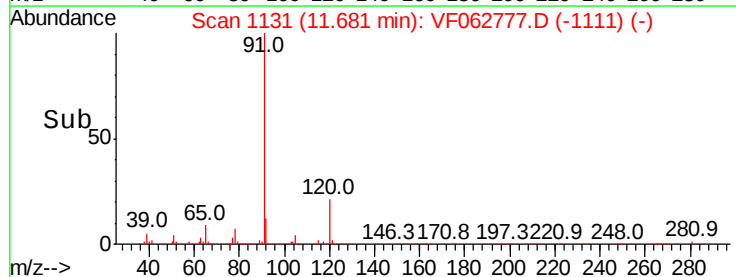
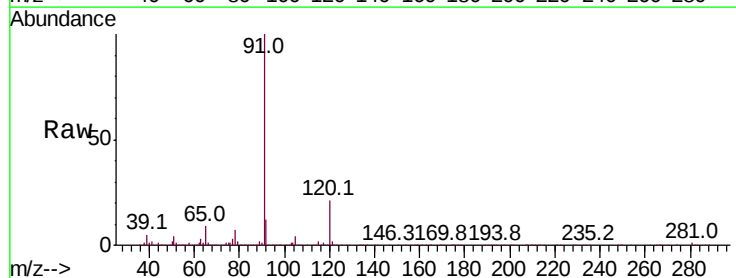
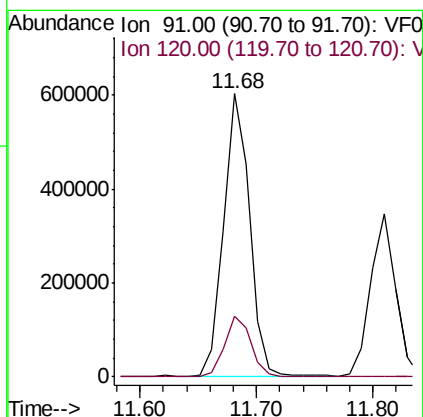
RT: 11.68 min Scan# 1131

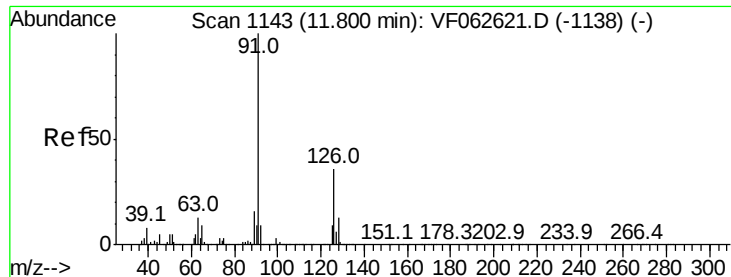
Delta R.T. -0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 930912 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 21.5  | 12.7  | 38.1   |





#79

2-Chlorotoluene

Concen: 23.090 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

ClientSampleId :

VF0529SBS01

Tot Ion: 91 Resp: 517687

Ion Ratio Lower Upper

91 100

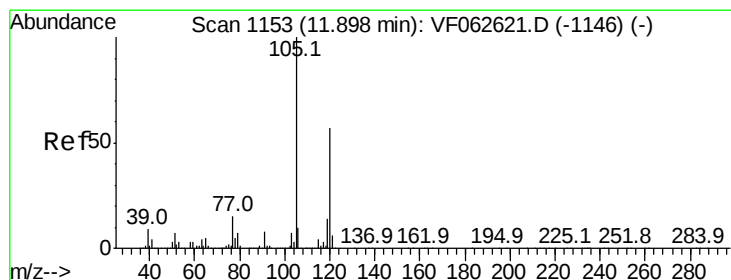
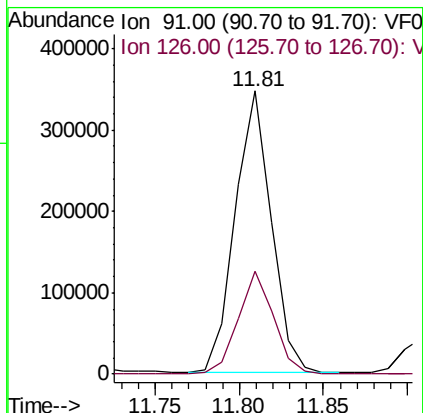
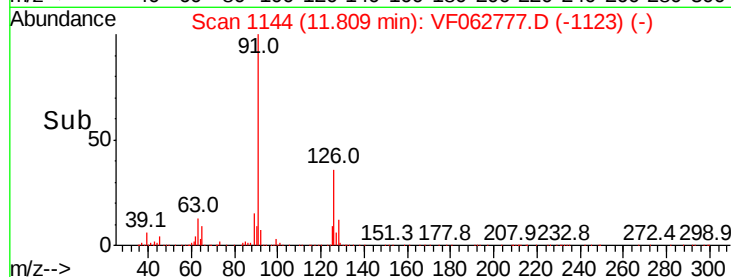
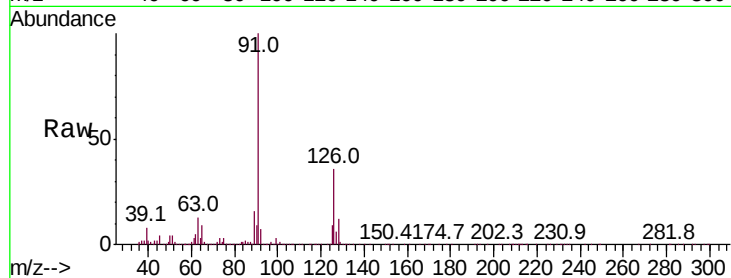
126 36.2 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 24.037 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF062777.D

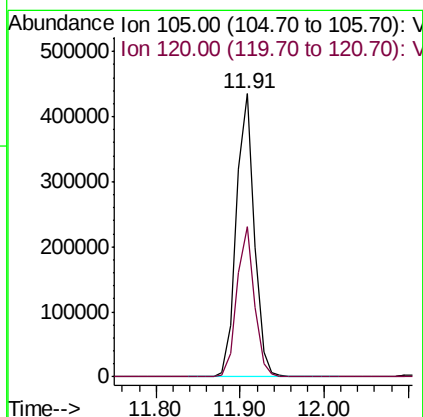
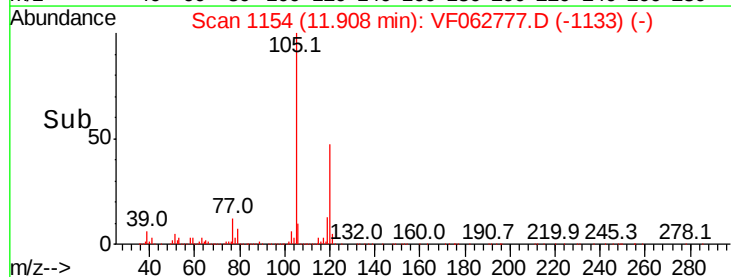
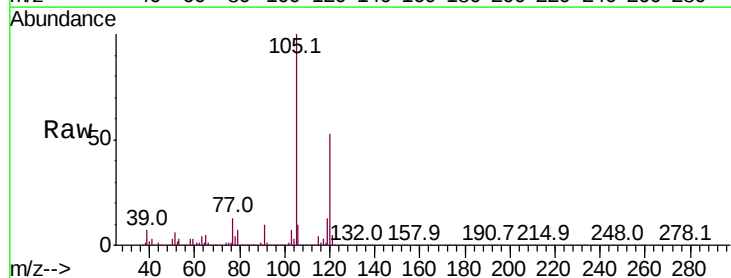
Acq: 29 May 2019 12:41

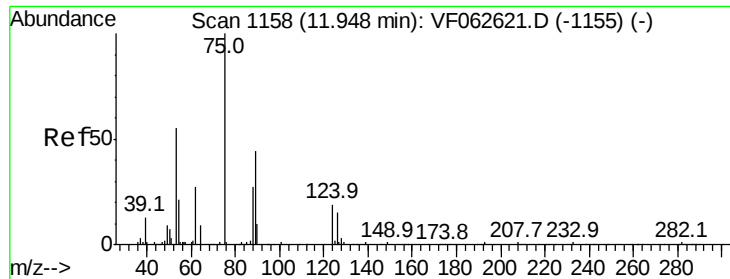
Tgt Ion: 105 Resp: 647902

Ion Ratio Lower Upper

105 100

120 53.1 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 24.600 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

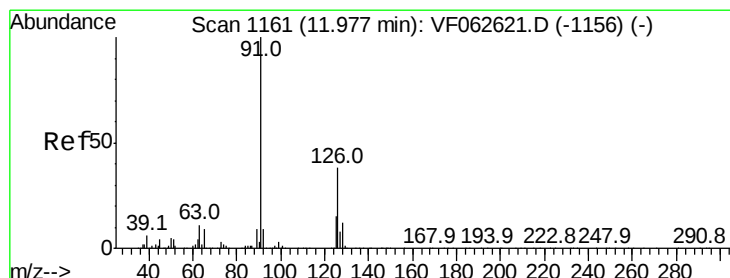
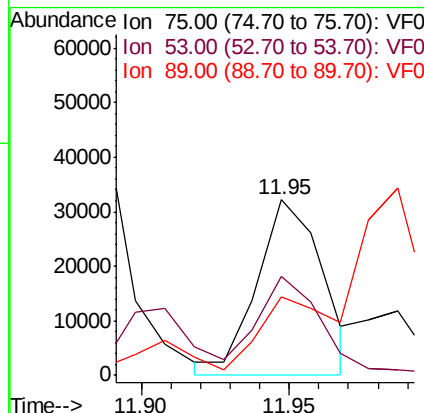
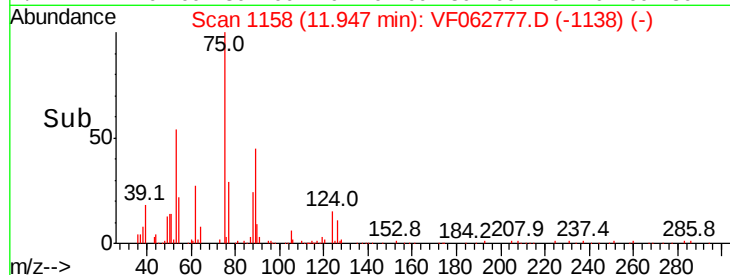
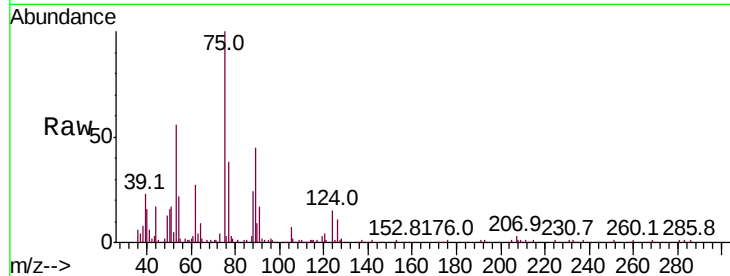
ClientSampleId :

VF0529SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 49358 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 56.4  | 46.9  | 70.3  |
| 89        | 45.0  | 36.4  | 54.6  |

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#82

4-Chlorotoluene

Concen: 24.503 ug/l

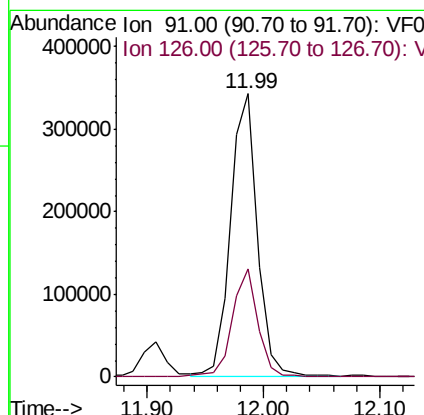
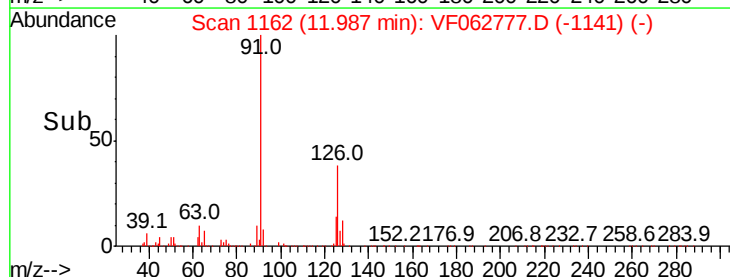
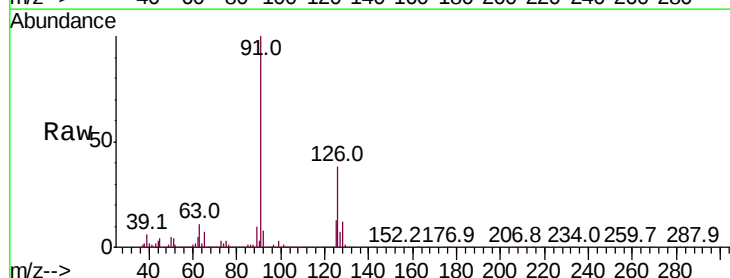
RT: 11.99 min Scan# 1162

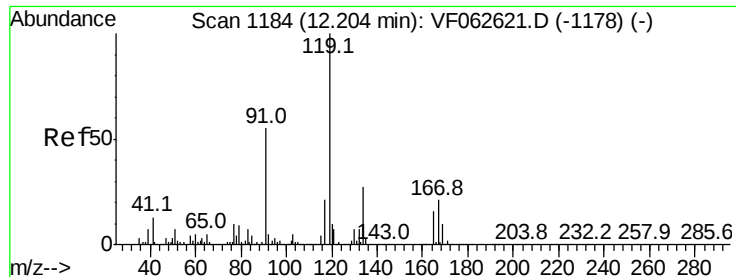
Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 541750 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 38.2  | 19.1  | 57.1   |





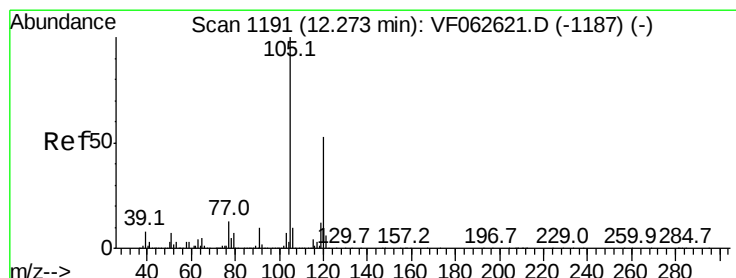
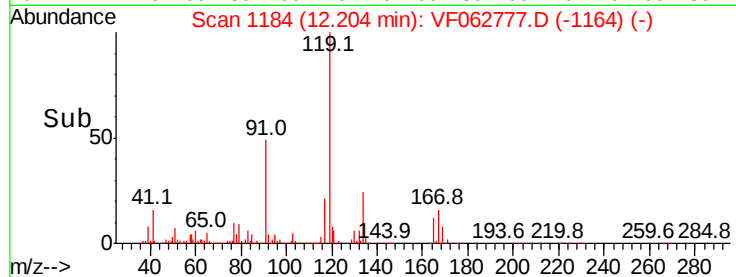
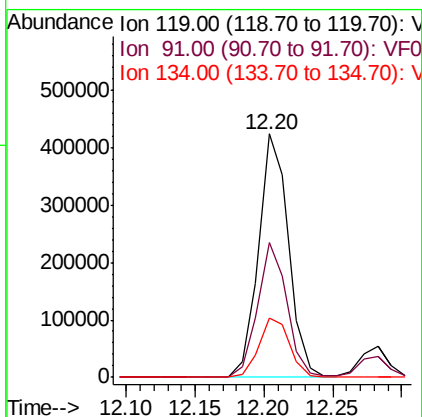
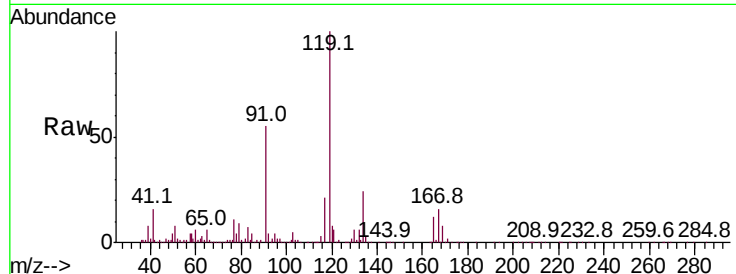
#83  
tert-Butylbenzene  
Concen: 23.572 ug/l  
RT: 12.20 min Scan# 1184  
Delta R.T. -0.00 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0529SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 644612 |       |       |
| 91      | 55.3  | 27.3   | 81.9  |       |
| 134     | 24.4  | 13.6   | 40.7  |       |

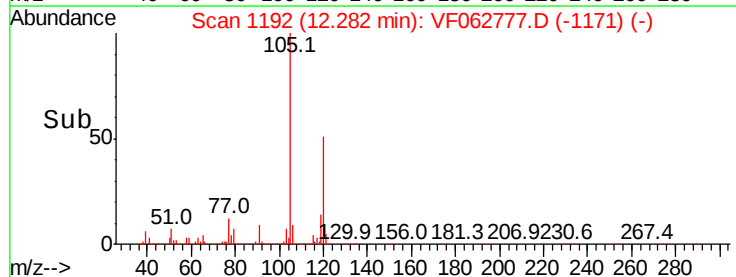
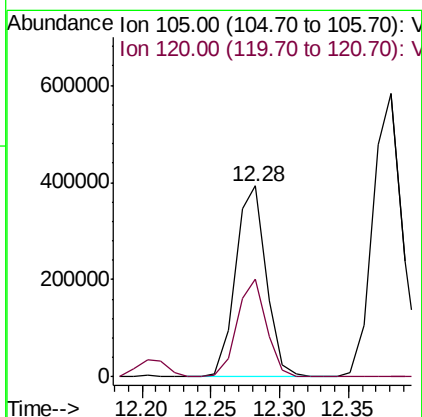
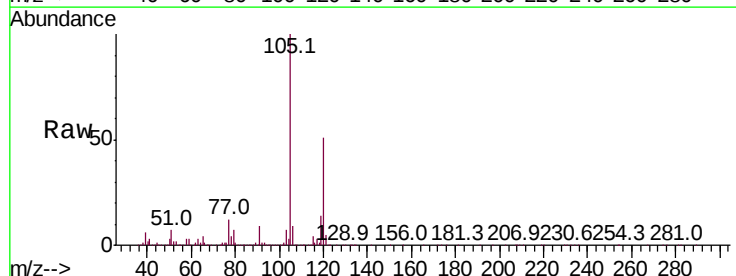
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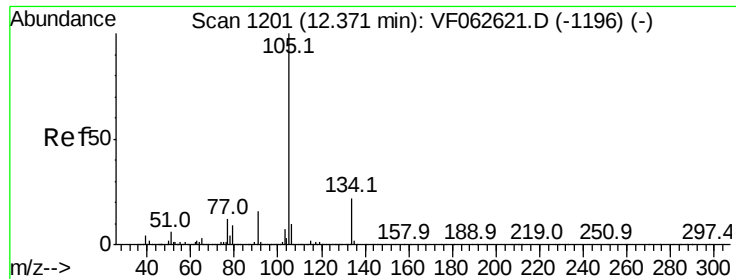
mmdadoda  
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#84  
1,2,4-Trimethylbenzene  
Concen: 23.332 ug/l  
RT: 12.28 min Scan# 1192  
Delta R.T. 0.01 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 608696 |       |       |
| 120     | 51.3  | 26.7   | 80.1  |       |





#85

sec-Butylbenzene

Concen: 23.591 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

ClientSampleId :

VF0529SBS01

Tot Ion:105 Resp: 865793

Ion Ratio Lower Upper

105 100

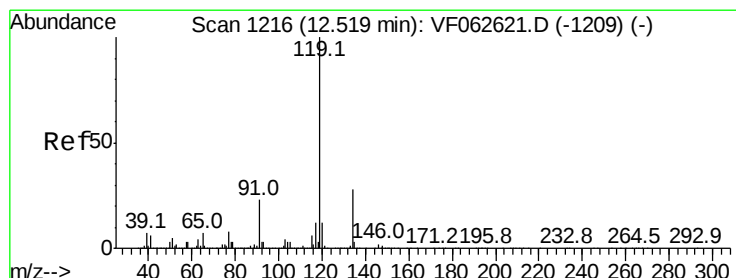
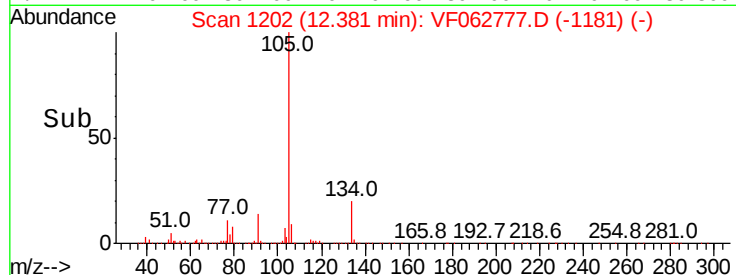
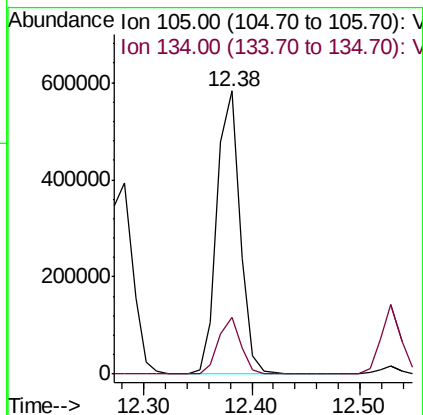
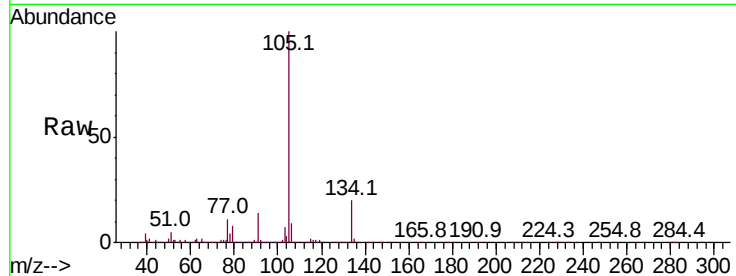
134 20.2 10.8 32.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.555 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

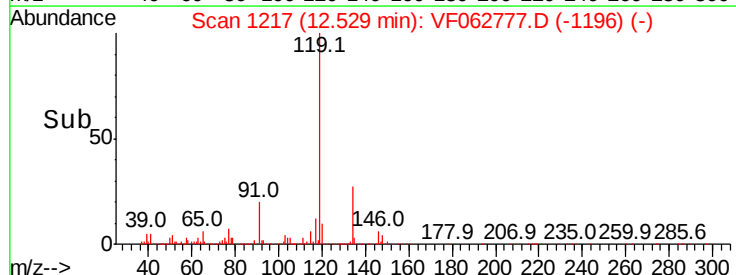
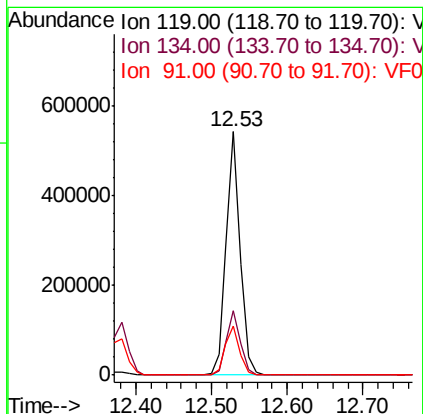
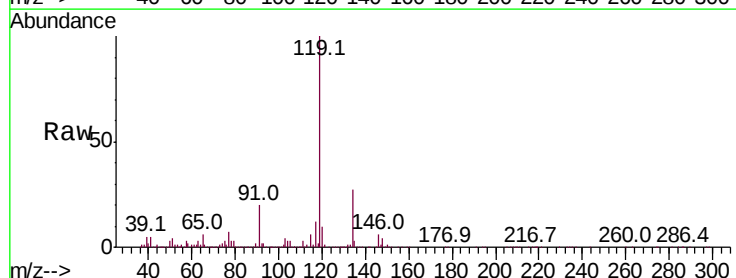
Tgt Ion:119 Resp: 697581

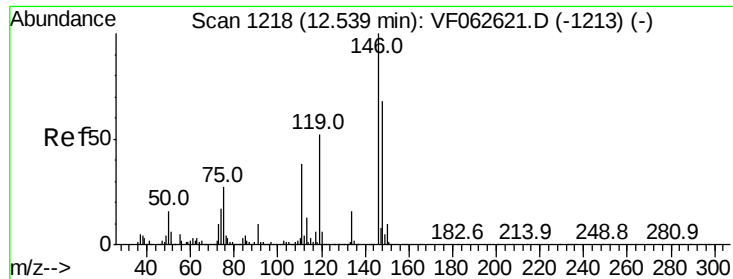
Ion Ratio Lower Upper

119 100

134 26.5 14.1 42.3

91 20.3 11.4 34.2





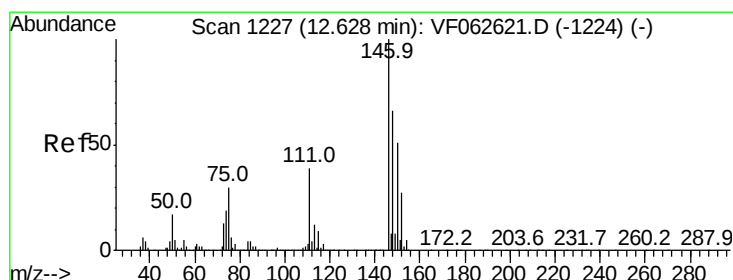
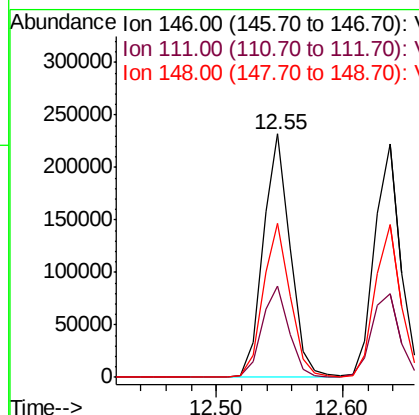
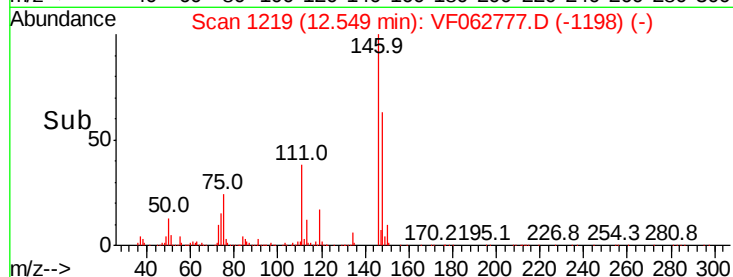
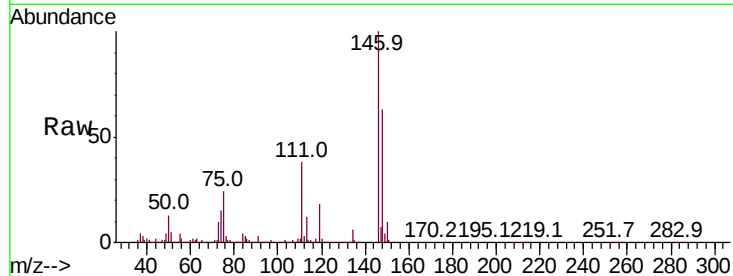
#87  
 1,3-Dichlorobenzene  
 Concen: 22.825 ug/l  
 RT: 12.55 min Scan# 1219  
 Delta R.T. 0.01 min  
 Lab File: VF062777.D  
 Acq: 29 May 2019 12:41

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0529SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.6  | 18.9  | 56.9  |
| 148     | 63.5  | 34.0  | 101.8 |

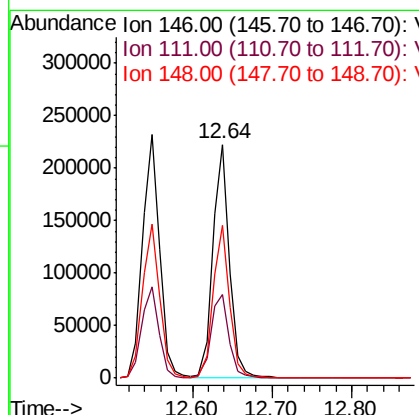
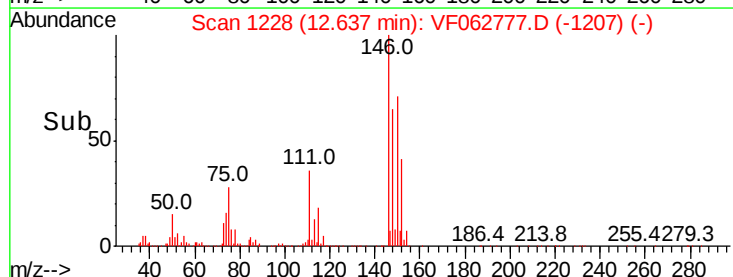
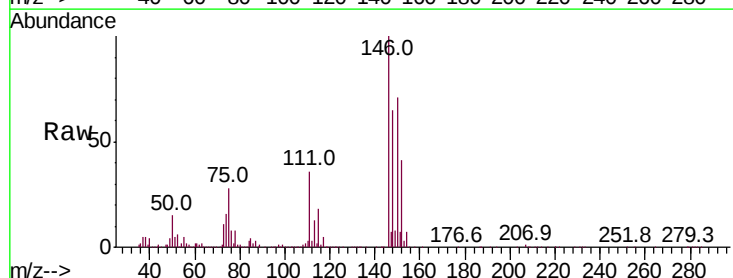
Manual Integrations  
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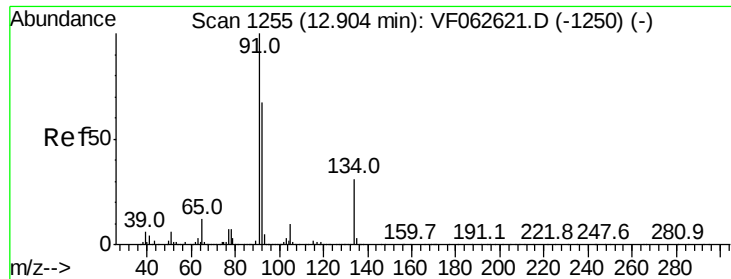
mmdadoda  
 5/30/2019 11:02:05 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 23.039 ug/l  
 RT: 12.64 min Scan# 1228  
 Delta R.T. 0.01 min  
 Lab File: VF062777.D  
 Acq: 29 May 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 35.7  | 19.4  | 58.2  |
| 148     | 65.2  | 33.2  | 99.6  |





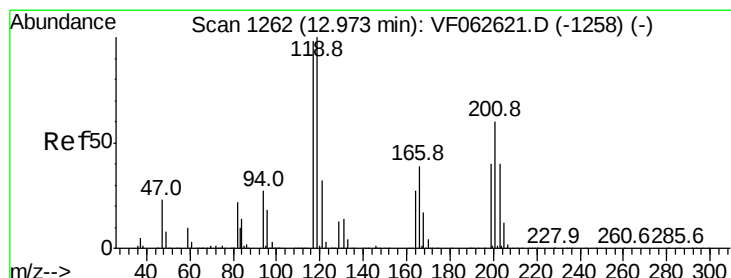
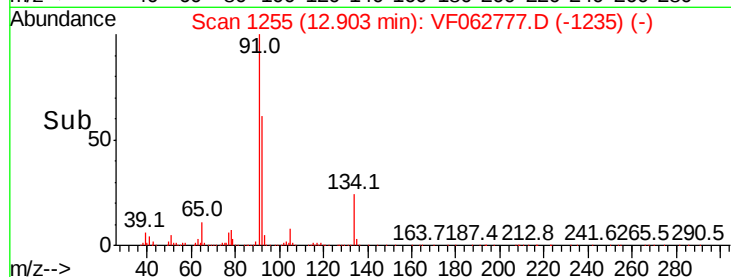
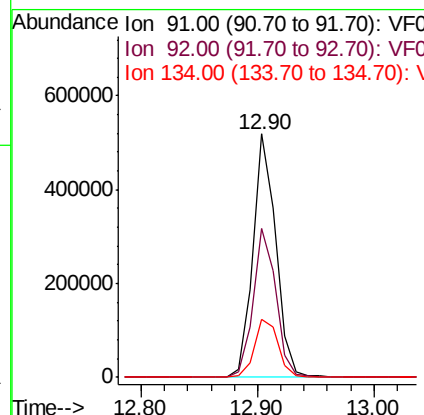
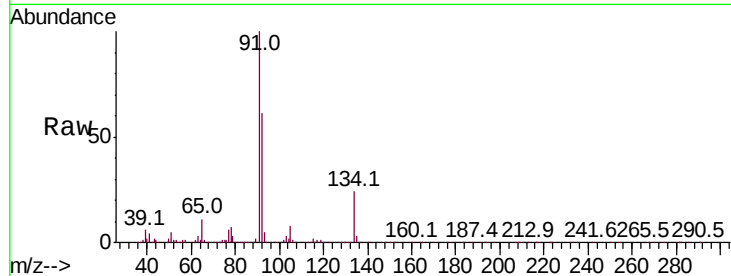
#89  
n-Butylbenzene  
Concen: 23.082 ug/l  
RT: 12.90 min Scan# 1255  
Delta R.T. -0.00 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0529SBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 91      | 100   |      |       |       |
| 92      | 61.2  | 33.3 | 99.8  |       |
| 134     | 23.8  | 15.4 | 46.4  |       |

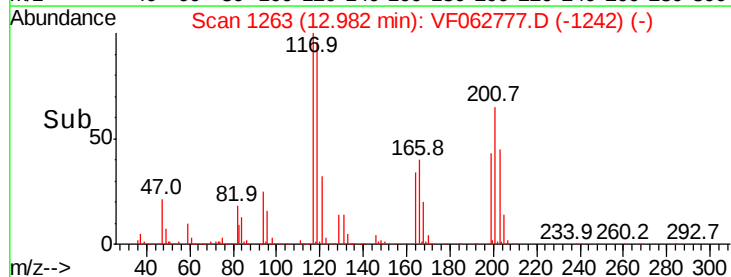
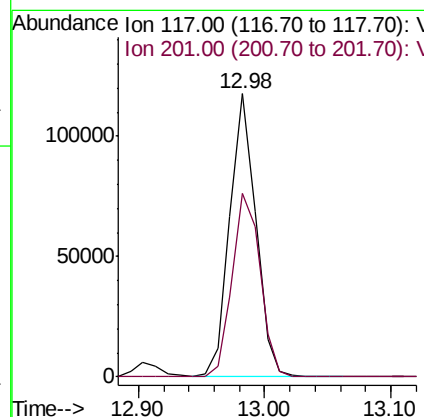
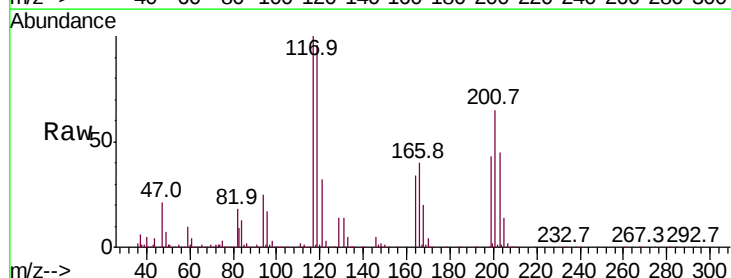
Manual Integrations  
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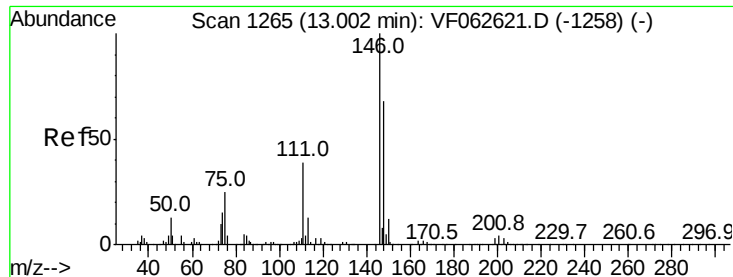
mmdadoda  
5/30/2019 11:02:05 AM



#90  
Hexachloroethane  
Concen: 22.619 ug/l  
RT: 12.98 min Scan# 1263  
Delta R.T. 0.01 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 201     | 64.9  | 30.7 | 92.1  |       |





#91

1,2-Dichlorobenzene

Concen: 22.582 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

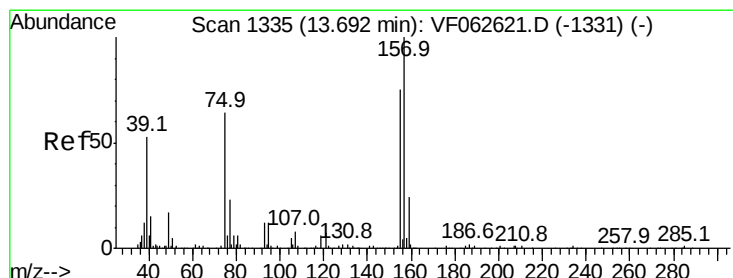
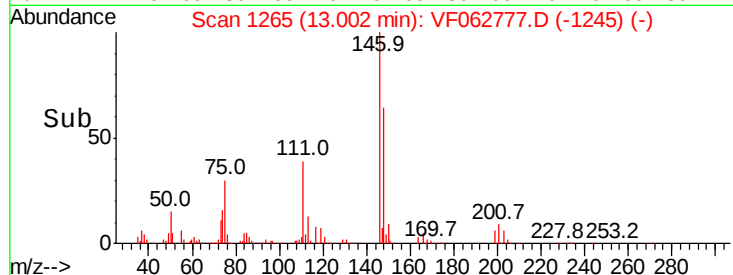
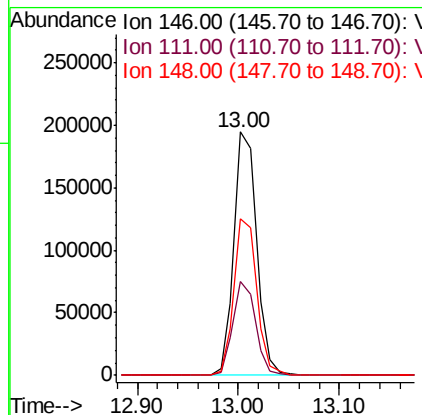
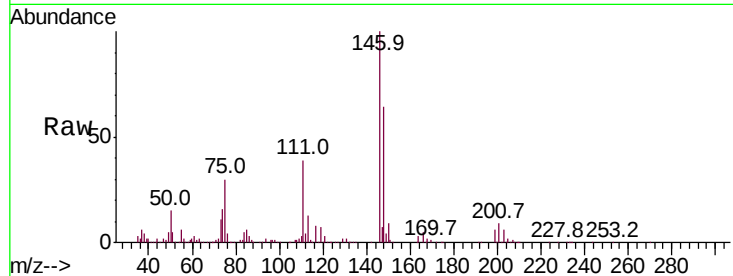
ClientSampleId :

VF0529SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 304299 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 38.8  | 19.8  | 59.3   |
| 148       | 64.2  | 34.1  | 102.2  |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 24.180 ug/l

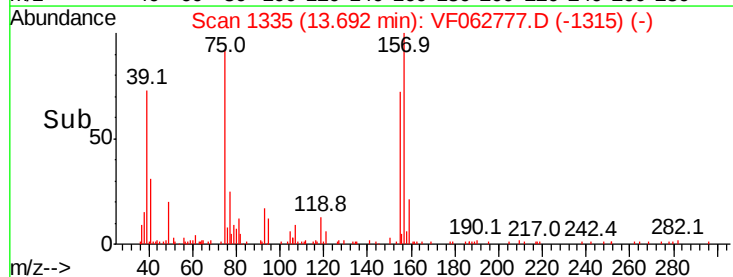
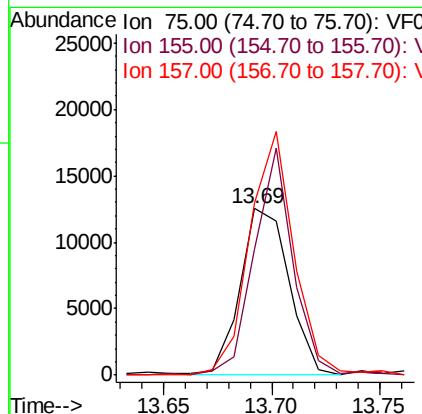
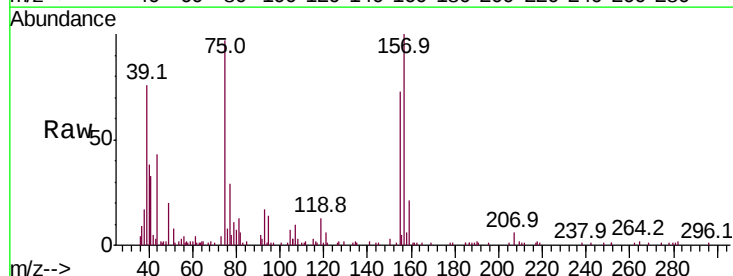
RT: 13.69 min Scan# 1335

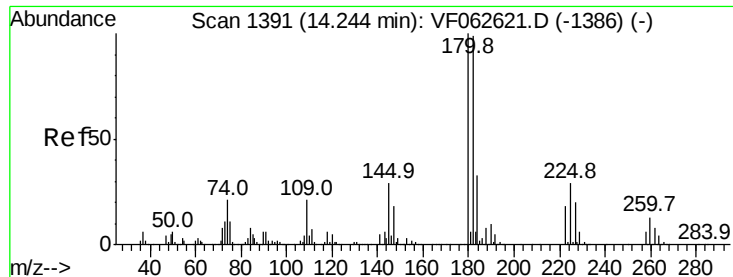
Delta R.T. -0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 19816 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 75.4  | 58.1  | 174.3 |
| 157       | 103.2 | 77.8  | 233.4 |





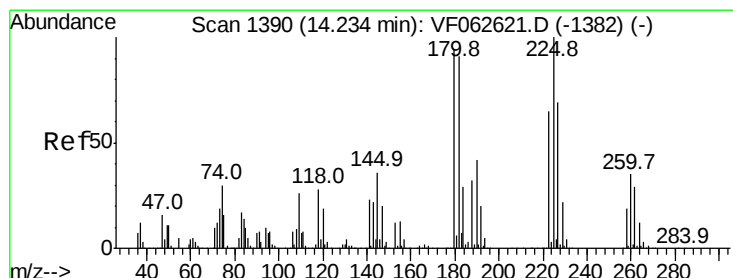
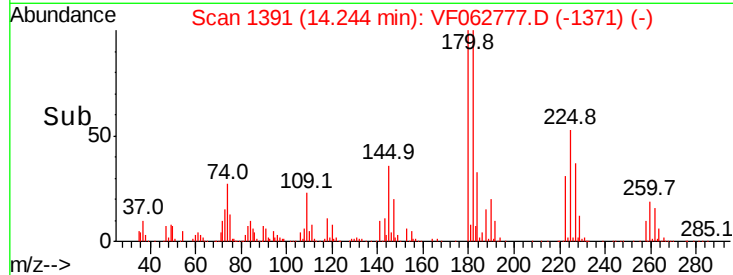
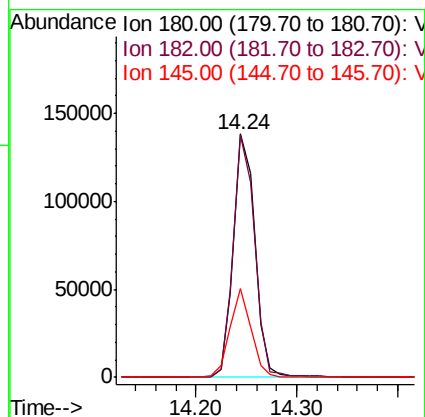
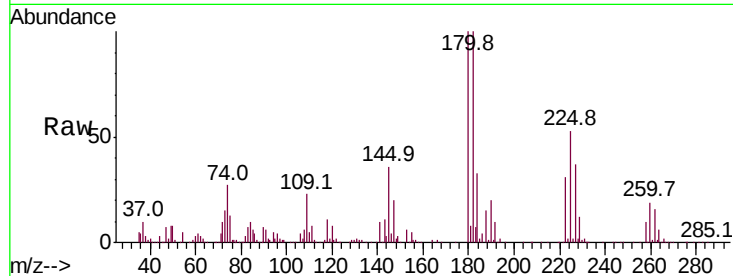
#93  
1,2,4-Trichlorobenzene  
Concen: 21.195 ug/l  
RT: 14.24 min Scan# 1391  
Delta R.T. -0.00 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

Instrument :  
MSVOA\_F  
ClientSampleId :  
VF0529SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 204436 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 99.6  | 49.7  | 149.1  |
| 145       | 36.4  | 14.6  | 44.0   |

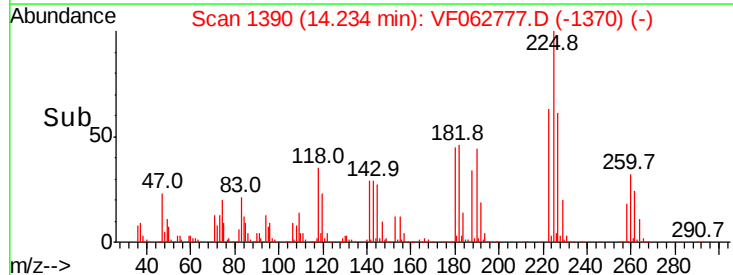
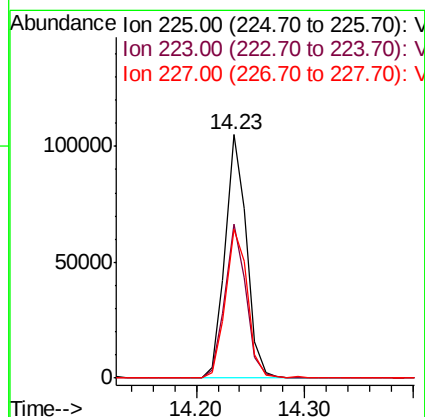
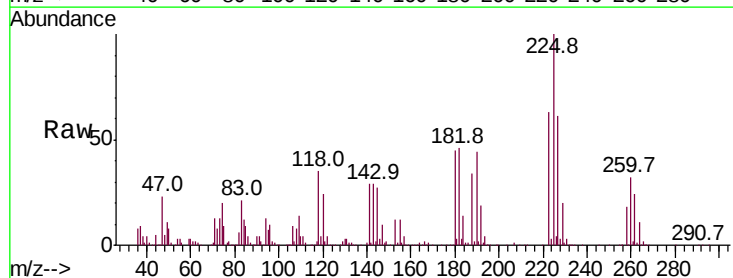
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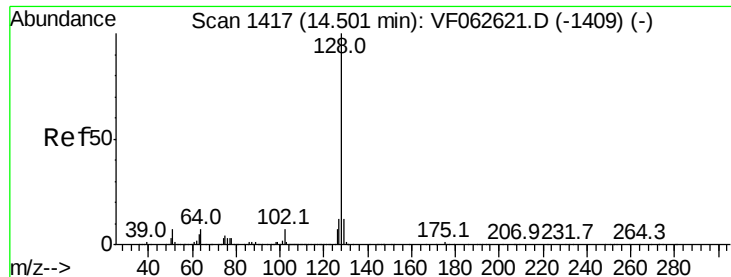
mmdadoda  
5/30/2019 11:02:05 AM



#94  
Hexachlorobutadiene  
Concen: 21.576 ug/l  
RT: 14.23 min Scan# 1390  
Delta R.T. -0.00 min  
Lab File: VF062777.D  
Acq: 29 May 2019 12:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 145235 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 63.1  | 32.5  | 97.4   |
| 227       | 61.3  | 34.5  | 103.5  |





#95

Naphthalene

Concen: 19.582 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA\_F

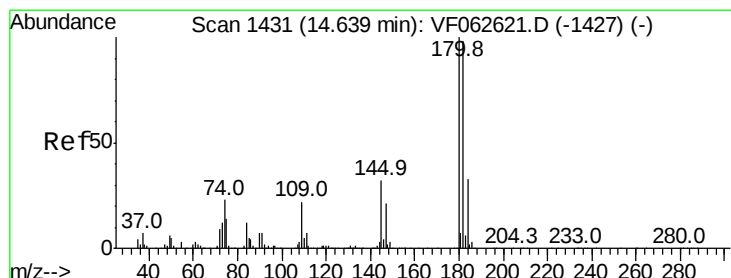
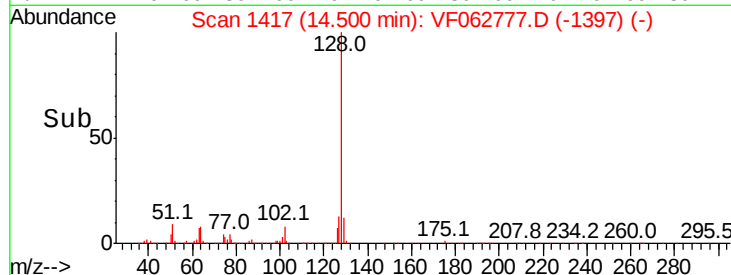
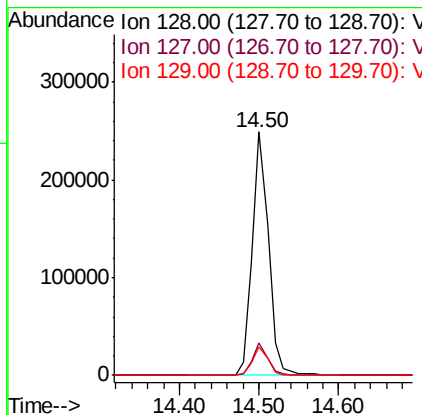
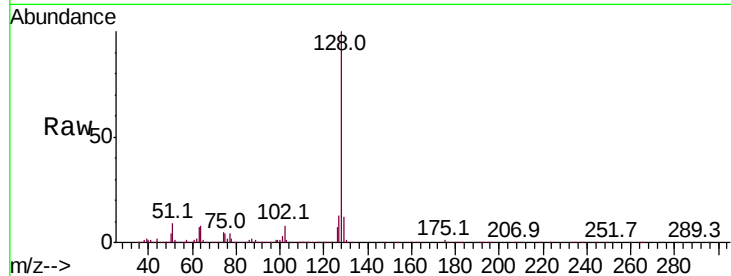
ClientSampleId :

VF0529SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 343138 |       |       |
| 127     | 13.1  | 9.7    | 14.5  |       |
| 129     | 11.7  | 9.3    | 13.9  |       |

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#96

1,2,3-Trichlorobenzene

Concen: 21.030 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 192144 |       |       |
| 182     | 101.2 | 48.9   | 146.7 |       |
| 145     | 32.0  | 16.1   | 48.2  |       |

