

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020719\  
 Data File : VF061542.D  
 Acq On : 7 Feb 2019 13:28  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00µ/5mL/MSVOA-F/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 2/11/2019 12:35:46 PM

Quant Time: Feb 09 04:41:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F011519S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 16 04:51:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.87  | 168  | 189209   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.59  | 114  | 285019   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.77  | 117  | 269577   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.55 | 152  | 138722   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 4.84   | 65  | 110516   | 47.31 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.62%  |      |
| 35) Dibromofluoromethane  | 4.11   | 113 | 116317   | 51.72 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.44% |      |
| 50) Toluene-d8            | 7.55   | 98  | 324135   | 52.60 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.20% |      |
| 62) 4-Bromofluorobenzene  | 11.41  | 95  | 140186   | 48.69 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.38%  |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 0.96 | 85  | 167413  | 45.032  | ug/l   | 95     |
| 3) Chloromethane              | 1.09 | 50  | 125018  | 45.862  | ug/l   | 95     |
| 4) Vinyl Chloride             | 1.14 | 62  | 111469  | 45.969  | ug/l   | 99     |
| 5) Bromomethane               | 1.33 | 94  | 77049   | 48.727  | ug/l   | 96     |
| 6) Chloroethane               | 1.38 | 64  | 54504   | 50.726  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 1.47 | 101 | 210066  | 44.562  | ug/l   | 94     |
| 8) Diethyl Ether              | 1.63 | 74  | 30239   | 50.062  | ug/l   | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.83 | 101 | 105591  | 46.617  | ug/l   | 95     |
| 10) Methyl Iodide             | 1.90 | 142 | 167352m | 47.658  | ug/l   |        |
| 11) Tert butyl alcohol        | 2.56 | 59  | 24135   | 244.084 | ug/l   | 100    |
| 12) 1,1-Dichloroethene        | 1.79 | 96  | 81362   | 48.349  | ug/l   | 93     |
| 13) Acrolein                  | 1.99 | 56  | 20384   | 239.776 | ug/l   | 85     |
| 14) Allyl chloride            | 2.09 | 41  | 118741  | 64.056  | ug/l   | 92     |
| 15) Acrylonitrile             | 2.93 | 53  | 63600   | 251.105 | ug/l   | 93     |
| 16) Acetone                   | 2.23 | 43  | 127279  | 271.595 | ug/l   | 99     |
| 17) Carbon Disulfide          | 1.82 | 76  | 235378  | 44.858  | ug/l   | 99     |
| 18) Methyl Acetate            | 2.34 | 43  | 46293   | 49.811  | ug/l # | 92     |
| 19) Methyl tert-butyl Ether   | 2.43 | 73  | 171052  | 45.343  | ug/l   | 99     |
| 20) Methylene Chloride        | 2.17 | 84  | 87874m  | 55.430  | ug/l   |        |
| 21) trans-1,2-Dichloroethene  | 2.31 | 96  | 82592   | 44.608  | ug/l   | 97     |
| 22) Diisopropyl ether         | 2.79 | 45  | 280239  | 46.796  | ug/l   | 98     |
| 23) Vinyl Acetate             | 3.18 | 43  | 674081  | 255.833 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 2.86 | 63  | 174623  | 46.460  | ug/l   | 99     |
| 25) 2-Butanone                | 4.32 | 43  | 192461  | 246.960 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 3.59 | 77  | 102311  | 44.305  | ug/l   | 96     |
| 27) cis-1,2-Dichloroethene    | 3.46 | 96  | 125185  | 45.803  | ug/l   | 98     |
| 28) Bromochloromethane        | 3.71 | 49  | 72592   | 42.966  | ug/l # | 99     |
| 29) Tetrahydrofuran           | 4.07 | 42  | 77536   | 231.058 | ug/l   | 96     |
| 30) Chloroform                | 3.85 | 83  | 238895  | 47.096  | ug/l   | 98     |
| 31) Cyclohexane               | 3.68 | 56  | 161390m | 42.986  | ug/l   |        |
| 32) 1,1,1-Trichloroethane     | 4.09 | 97  | 178723  | 48.053  | ug/l   | 94     |
| 36) 1,1-Dichloropropene       | 4.27 | 75  | 176478  | 53.403  | ug/l   | 99     |
| 37) Ethyl Acetate             | 4.10 | 43  | 73722   | 55.809  | ug/l # | 96     |
| 38) Carbon Tetrachloride      | 3.99 | 117 | 143107  | 49.534  | ug/l   | 98     |

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Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 2/11/2019 12:35:46 PM

Quant Time: Feb 09 04:41:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F011519S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 16 04:51:59 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 5.44  | 83   | 184412   | 51.493   | ug/l   | 98       |
| 40) Benzene                    | 4.63  | 78   | 389614   | 52.984   | ug/l   | 97       |
| 41) Methacrylonitrile          | 4.74  | 41   | 38951    | 55.415   | ug/l   | 88       |
| 42) 1,2-Dichloroethane         | 4.93  | 62   | 145136   | 55.388   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 6.95  | 43   | 89558    | 54.018   | ug/l # | 86       |
| 44) Trichloroethene            | 5.50  | 130  | 126984   | 56.293   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 6.23  | 63   | 100427   | 52.036   | ug/l   | 97       |
| 46) Dibromomethane             | 6.08  | 93   | 73057    | 56.930   | ug/l   | 97       |
| 47) Bromodichloromethane       | 6.37  | 83   | 185694   | 58.485   | ug/l   | 96       |
| 48) Methyl methacrylate        | 6.71  | 41   | 62582    | 56.213   | ug/l   | 97       |
| 49) 1,4-Dioxane                | 6.70  | 88   | 8829     | 1146.260 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone       | 8.25  | 43   | 335874   | 275.570  | ug/l   | 97       |
| 52) Toluene                    | 7.62  | 92   | 249780   | 51.581   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 8.27  | 75   | 138718   | 55.020   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 7.29  | 75   | 179249   | 56.878   | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane      | 8.49  | 97   | 80515    | 58.551   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 8.61  | 69   | 88663    | 55.419   | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 8.84  | 76   | 134123   | 52.036   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 7.28  | 63   | 58451    | 337.578  | ug/l   | 97       |
| 59) 2-Hexanone                 | 9.48  | 43   | 258886   | 304.602  | ug/l   | 99       |
| 60) Dibromochloromethane       | 8.70  | 129  | 110858   | 55.143   | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 8.98  | 107  | 85263    | 54.162   | ug/l   | 95       |
| 64) Tetrachloroethene          | 8.14  | 164  | 105809   | 52.193   | ug/l   | 96       |
| 65) Chlorobenzene              | 9.79  | 112  | 267088   | 48.721   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 9.93  | 131  | 114241   | 52.312   | ug/l   | 100      |
| 67) Ethyl Benzene              | 9.89  | 91   | 499779   | 49.898   | ug/l   | 97       |
| 68) m/p-Xylenes                | 10.12 | 106  | 350787   | 97.376   | ug/l   | 99       |
| 69) o-Xylene                   | 10.70 | 106  | 203099   | 52.019   | ug/l   | 98       |
| 70) Styrene                    | 10.78 | 104  | 272795   | 51.043   | ug/l   | 98       |
| 71) Bromoform                  | 10.76 | 173  | 59309    | 60.444   | ug/l # | 97       |
| 73) Isopropylbenzene           | 11.12 | 105  | 601776   | 53.337   | ug/l   | 99       |
| 74) N-amyl acetate             | 11.37 | 43   | 147329   | 55.223   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.69 | 83   | 100171   | 49.838   | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane     | 11.79 | 75   | 71899    | 49.783   | ug/l   | 95       |
| 77) Bromobenzene               | 11.48 | 156  | 126710   | 53.178   | ug/l   | 86       |
| 78) n-propylbenzene            | 11.59 | 91   | 666808   | 48.324   | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 11.71 | 91   | 386389   | 49.358   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene     | 11.82 | 105  | 448524   | 49.260   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 11.86 | 75   | 32353m   | 51.532   | ug/l   |          |
| 82) 4-Chlorotoluene            | 11.89 | 91   | 386707   | 48.954   | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.13 | 119  | 493301   | 52.345   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene     | 12.19 | 105  | 462444   | 49.307   | ug/l   | 95       |
| 85) sec-Butylbenzene           | 12.30 | 105  | 640665   | 50.059   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.45 | 119  | 539671   | 51.368   | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene        | 12.47 | 146  | 231903   | 48.834   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.56 | 146  | 232901   | 51.725   | ug/l   | 96       |
| 89) n-Butylbenzene             | 12.84 | 91   | 562297   | 51.897   | ug/l   | 97       |
| 90) Hexachloroethane           | 12.91 | 117  | 139041   | 56.144   | ug/l   | 82       |
| 91) 1,2-Dichlorobenzene        | 12.93 | 146  | 225079   | 50.496   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.63 | 75   | 21085    | 59.144   | ug/l   | 75       |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5mL/MSVOA-F/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
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Manual Integrations  
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Quant Time: Feb 09 04:41:20 2019  
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 Quant Title : SW846 8260  
 QLast Update : Wed Jan 16 04:51:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.20 | 180  | 165595   | 53.033 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 14.19 | 225  | 109071   | 56.292 | ug/l  | 98       |
| 95) Naphthalene            | 14.45 | 128  | 319037   | 53.778 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 14.59 | 180  | 153340   | 53.049 | ug/l  | 97       |

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

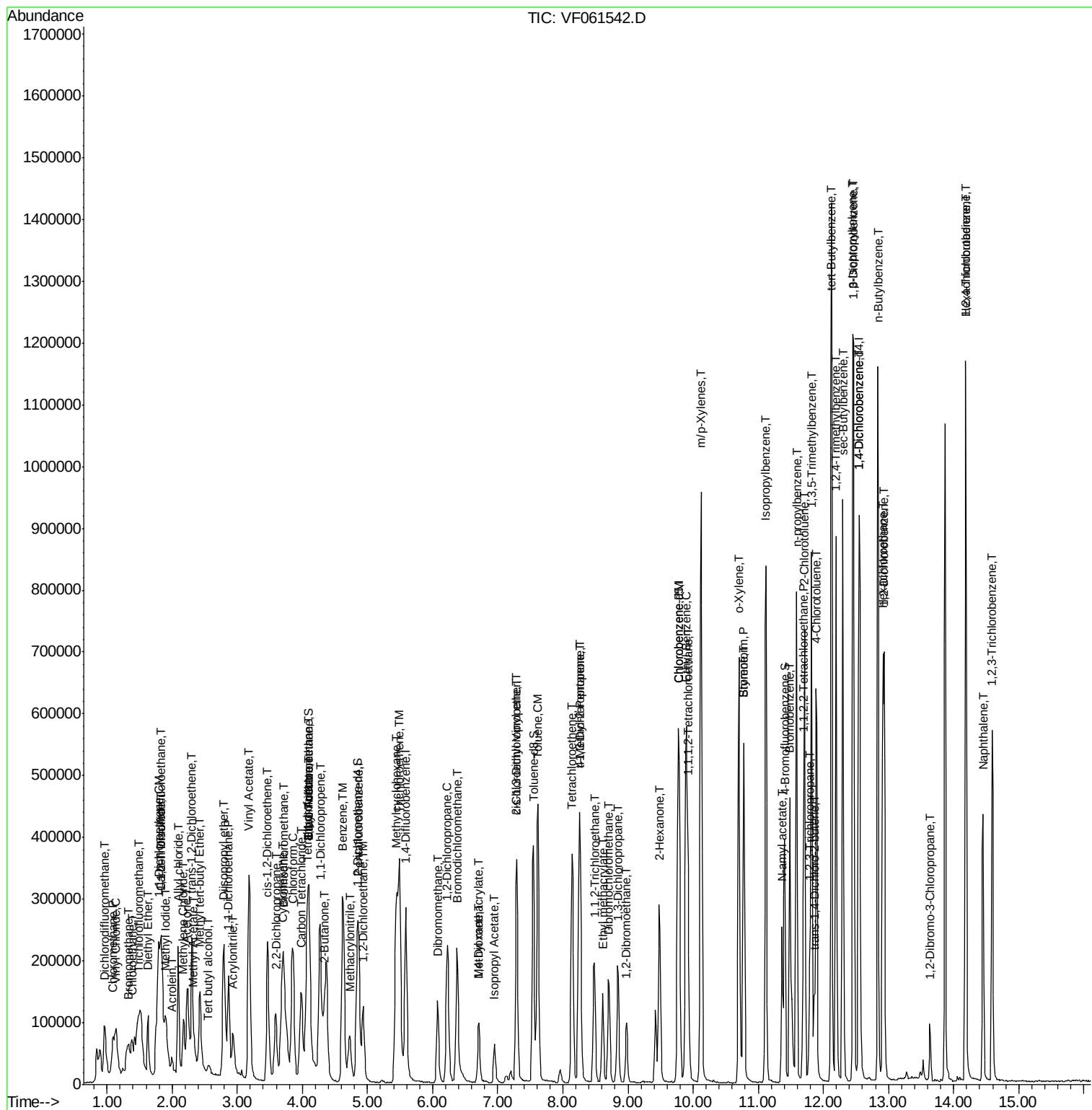
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 Data File : VF061542.D  
 Acq On : 7 Feb 2019 13:28  
 Operator : VA/AP  
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 ALS Vial : 2 Sample Multiplier: 1

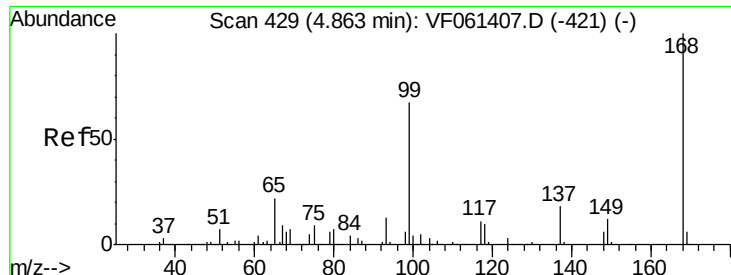
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
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MMDadoda  
 2/11/2019 12:35:46 PM

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 189209

Ion Ratio Lower Upper

168 100

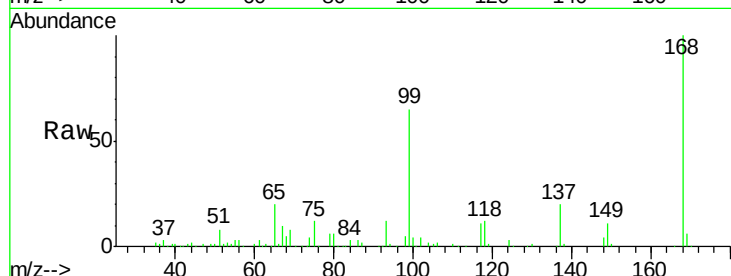
99 65.3 53.5 80.3

Manual Integrations

APPROVED

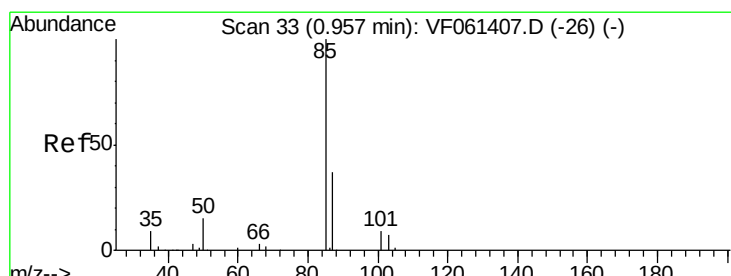
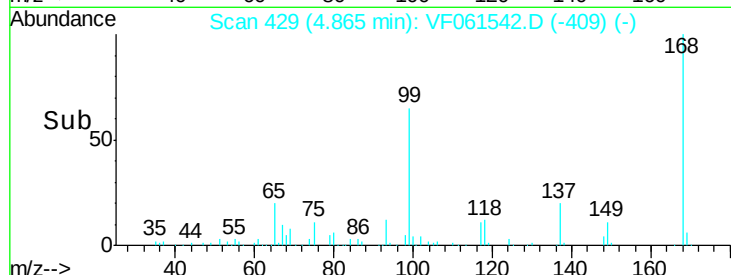
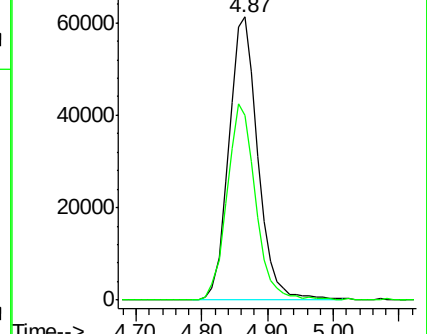
MMDadoda

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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 45.032 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061542.D

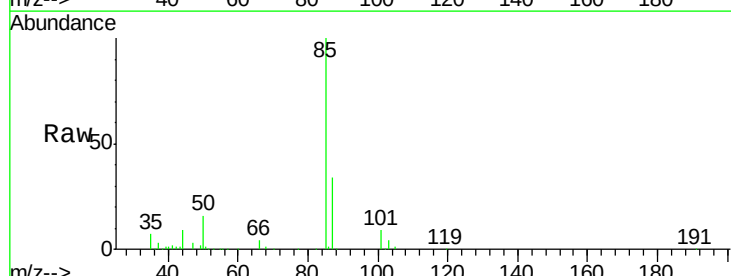
Acq: 7 Feb 2019 13:28

Tgt Ion: 85 Resp: 167413

Ion Ratio Lower Upper

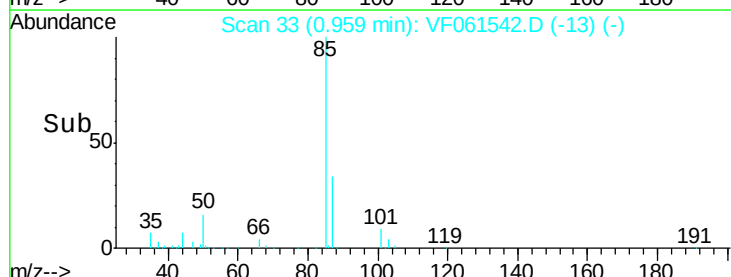
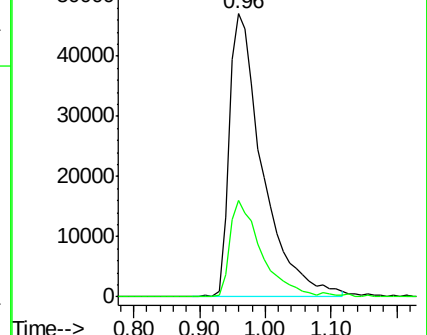
85 100

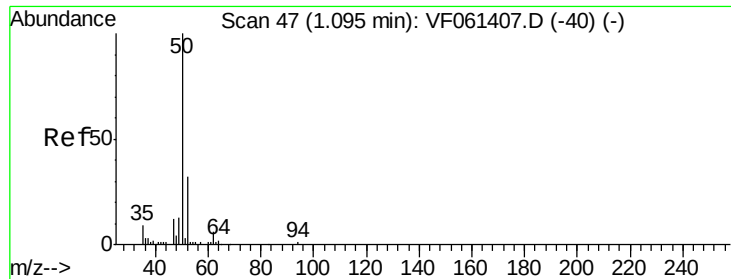
87 33.9 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 45.862 ug/l

RT: 1.09 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 125018

Ion Ratio Lower Upper

50 100

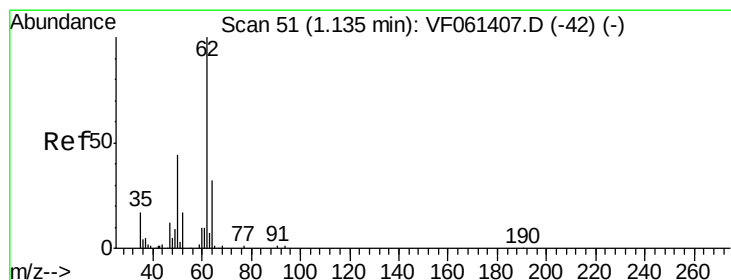
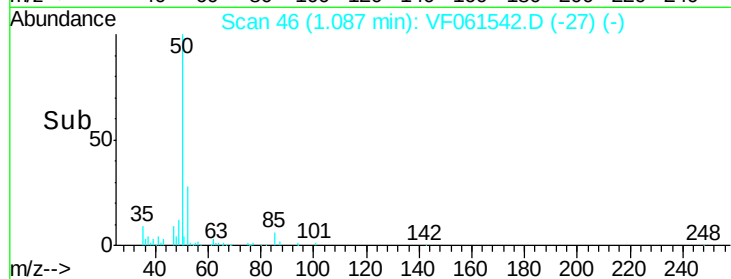
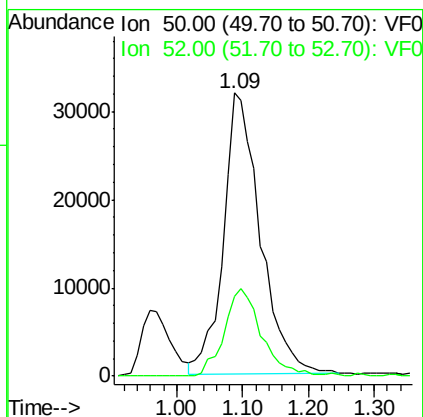
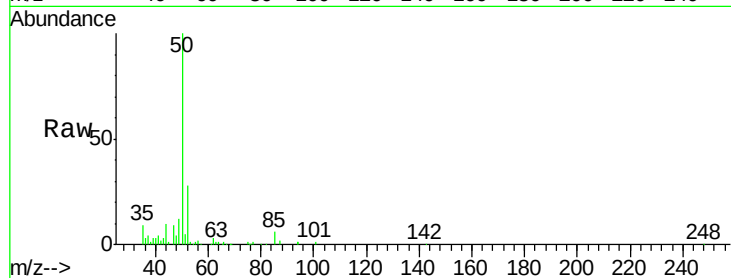
52 28.1 24.6 36.8

Manual Integrations

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2/11/2019 12:35:46 PM



#4

Vinyl Chloride

Concen: 45.969 ug/l

RT: 1.14 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061542.D

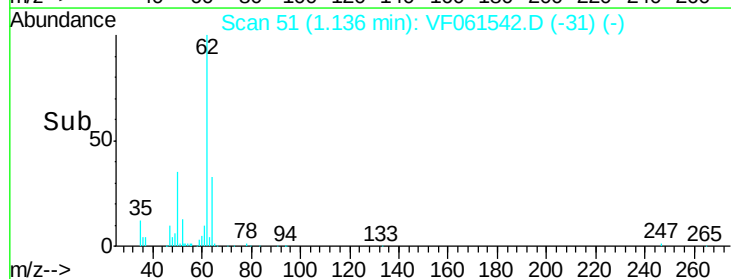
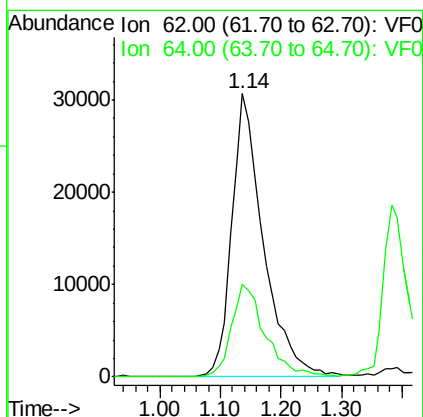
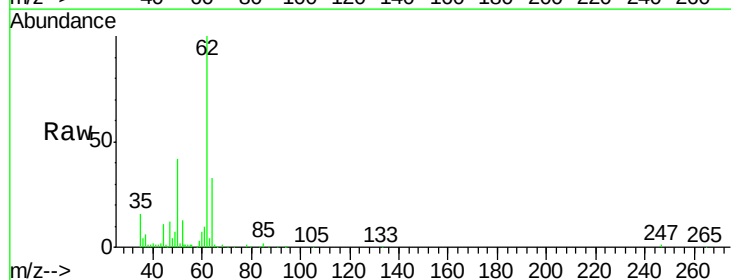
Acq: 7 Feb 2019 13:28

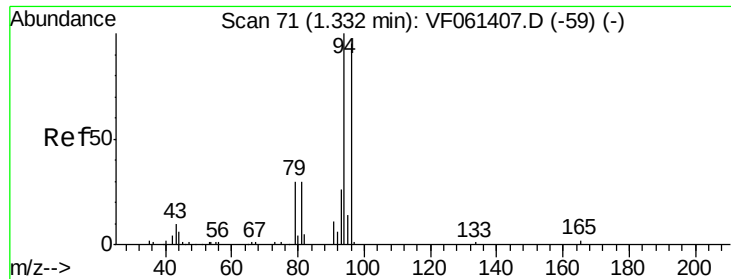
Tgt Ion: 62 Resp: 111469

Ion Ratio Lower Upper

62 100

64 32.7 25.6 38.4





#5

Bromomethane

Concen: 48.727 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 77049

Ion Ratio Lower Upper

94 100

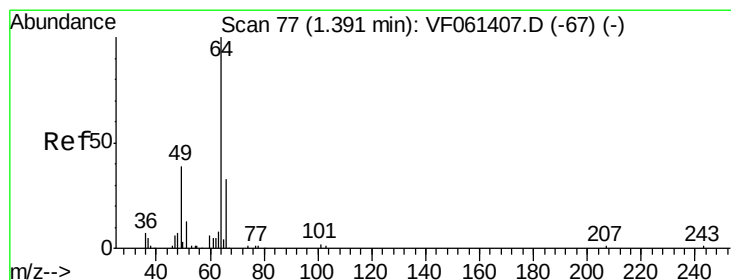
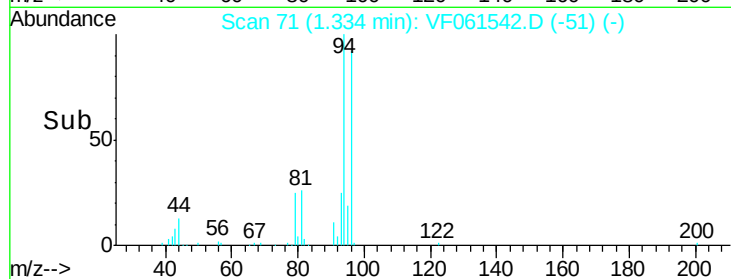
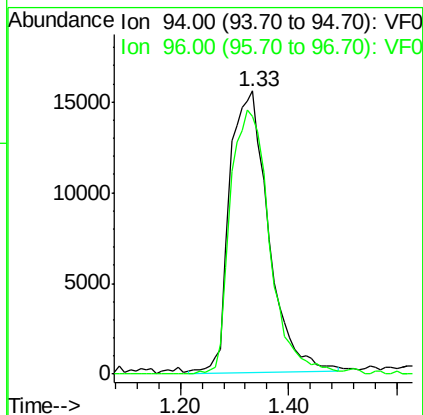
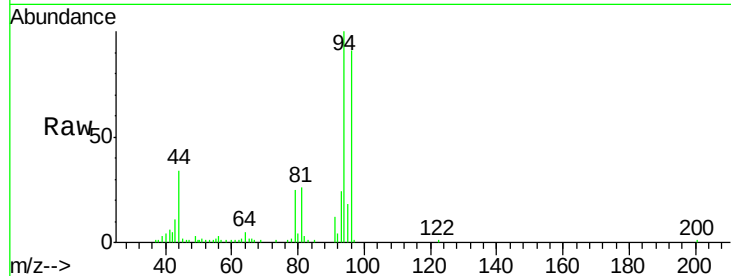
96 91.0 76.0 114.0

Manual Integrations

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2/11/2019 12:35:46 PM



#6

Chloroethane

Concen: 50.726 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061542.D

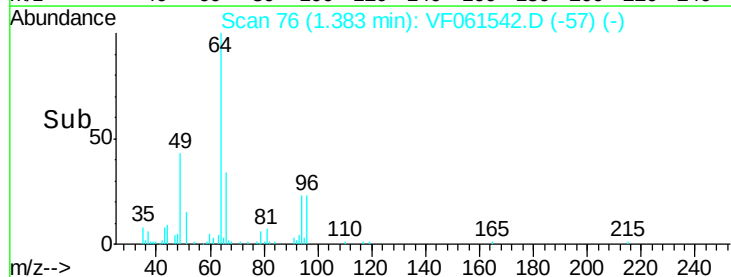
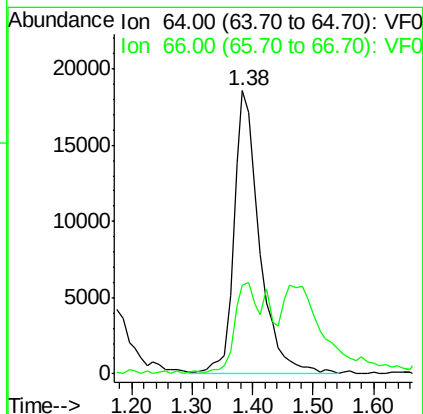
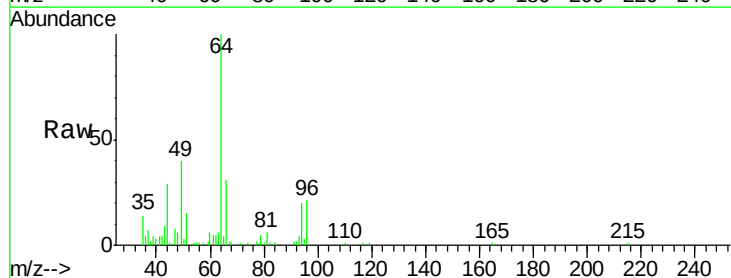
Acq: 7 Feb 2019 13:28

Tgt Ion: 64 Resp: 54504

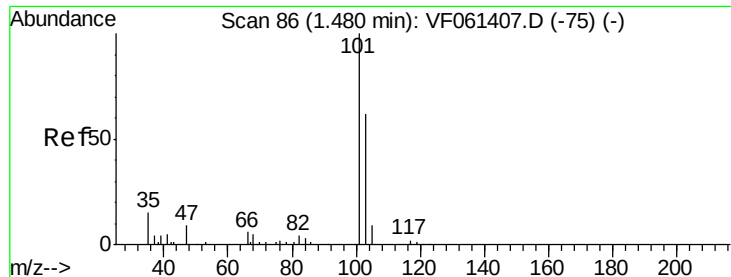
Ion Ratio Lower Upper

64 100

66 31.5 26.6 40.0







#7

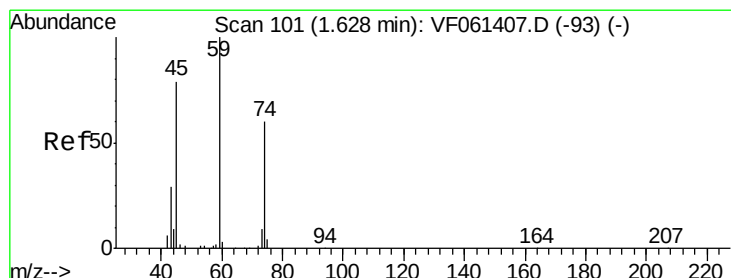
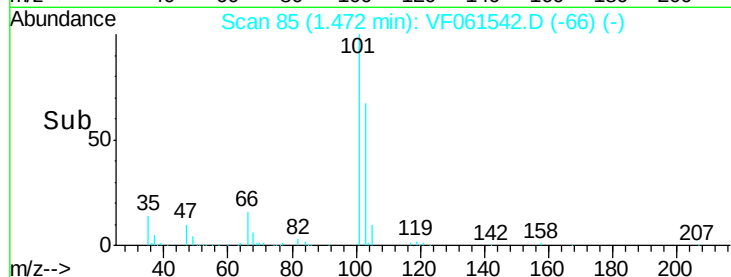
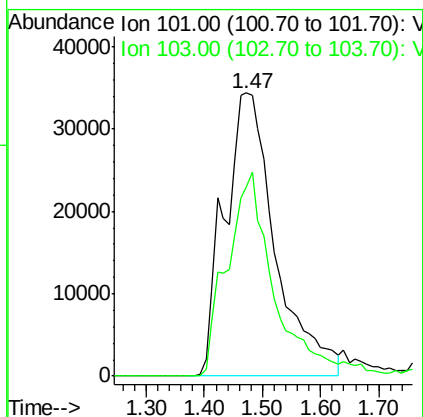
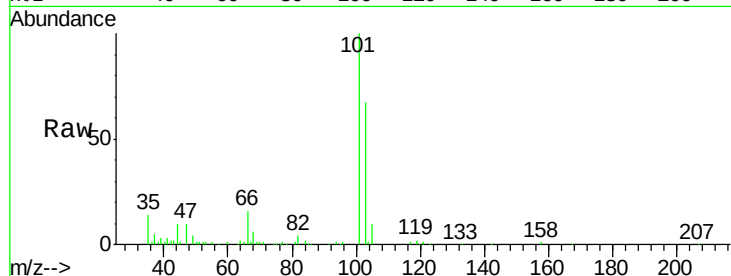
Trichlorofluoromethane  
Concen: 44.562 ug/l  
RT: 1.47 min Scan# 85  
Delta R.T. -0.01 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 66.7  | 49.7  | 74.5  |

Manual Integrations  
APPROVED

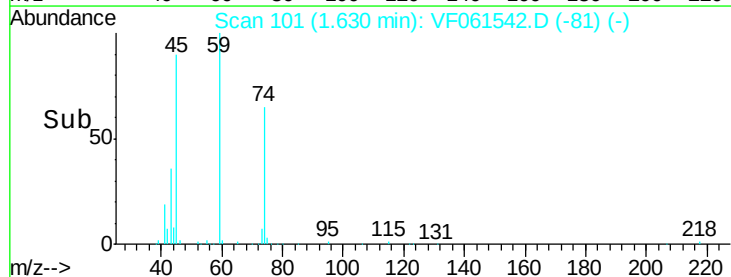
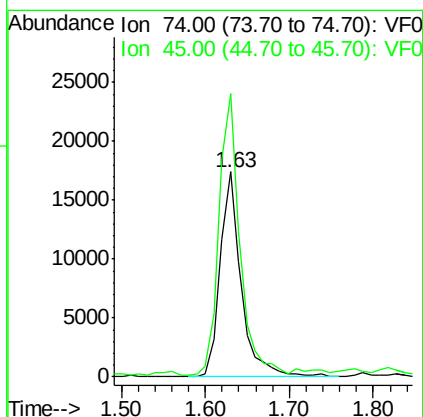
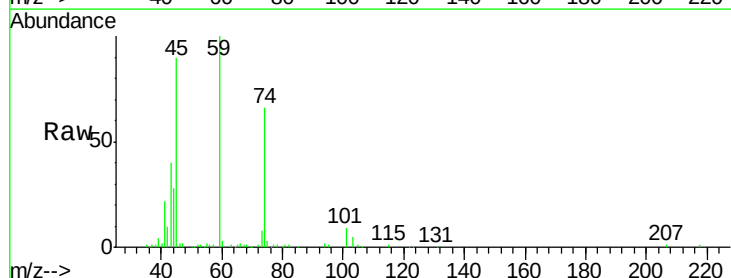
MMDadoda  
2/11/2019 12:35:46 PM



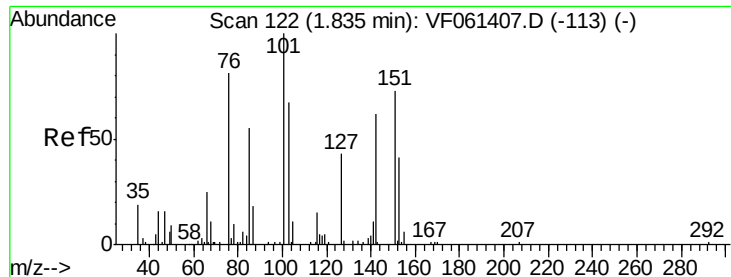
#8

Diethyl Ether  
Concen: 50.062 ug/l  
RT: 1.63 min Scan# 101  
Delta R.T. 0.00 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 137.9 | 65.8  | 197.5 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.617 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

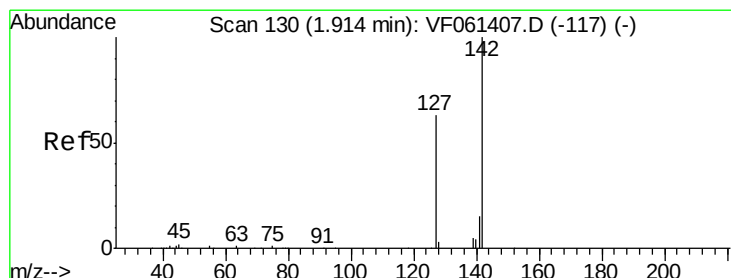
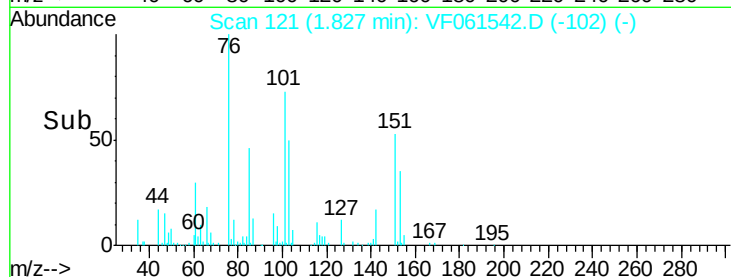
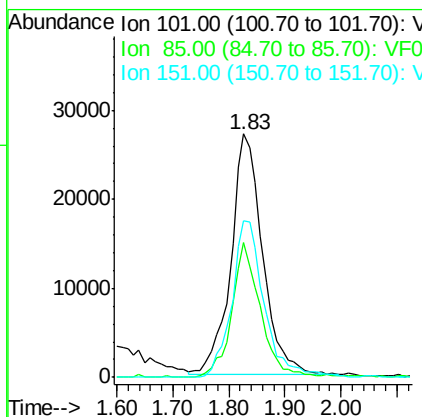
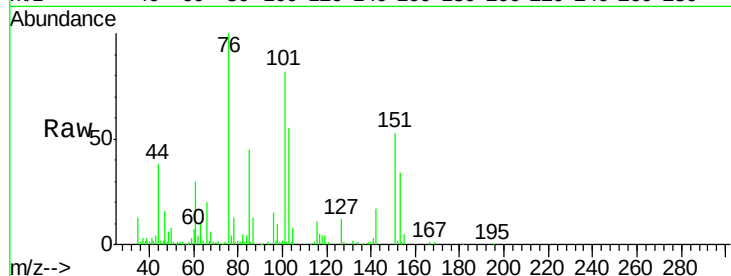
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 105591 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 55.2  | 41.9  | 62.9   |
| 151       | 64.1  | 55.1  | 82.7   |

Manual Integrations  
APPROVED

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2/11/2019 12:35:46 PM



#10

Methyl Iodide

Concen: 47.658 ug/l m

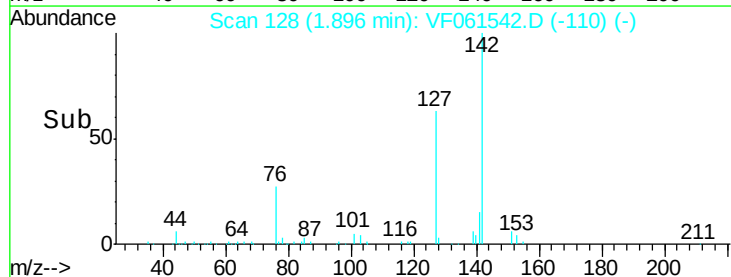
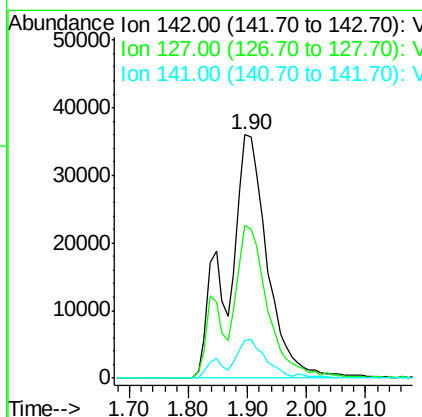
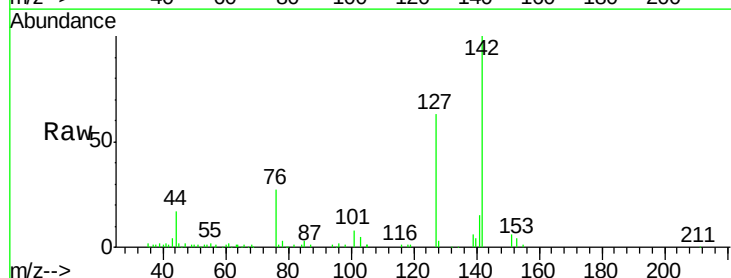
RT: 1.90 min Scan# 128

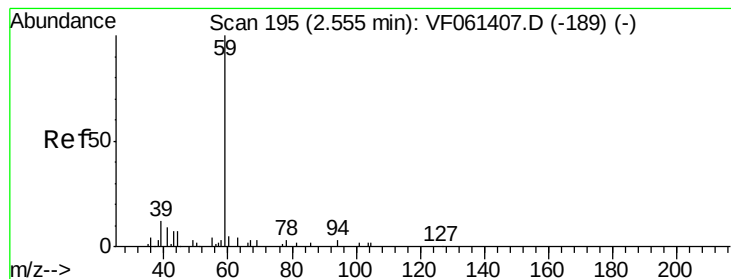
Delta R.T. -0.02 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 167352 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 62.6  | 50.7  | 76.1   |
| 141       | 15.4  | 11.8  | 17.6   |





#11

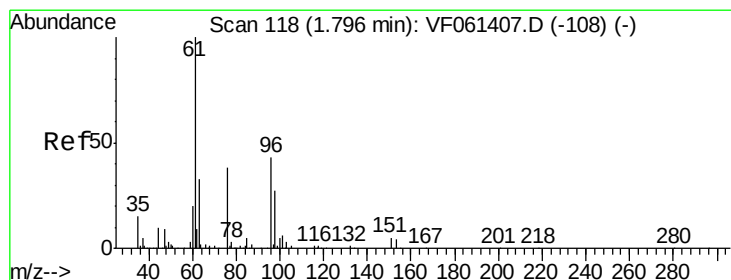
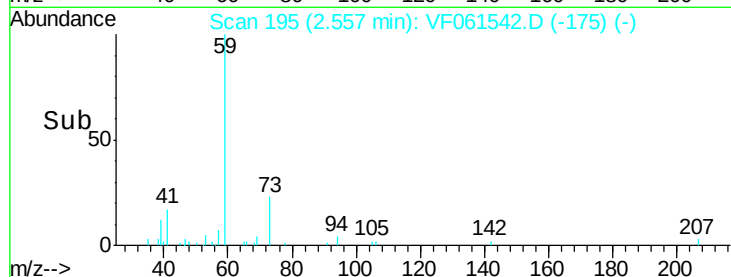
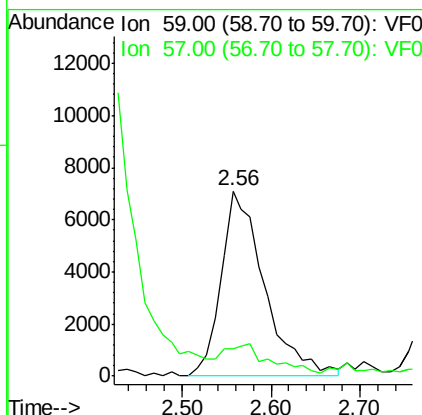
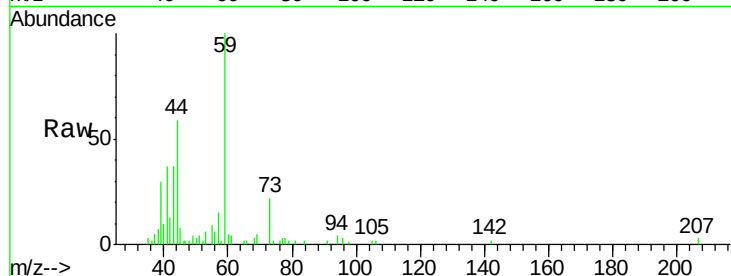
Tert butyl alcohol  
Concen: 244.084 ug/l  
RT: 2.56 min Scan# 195  
Delta R.T. 0.00 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 59   | Resp  | 24135 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 14.7 | 11.9  | 17.9  |

Manual Integrations  
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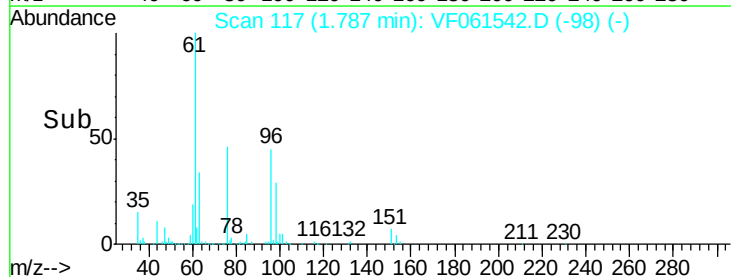
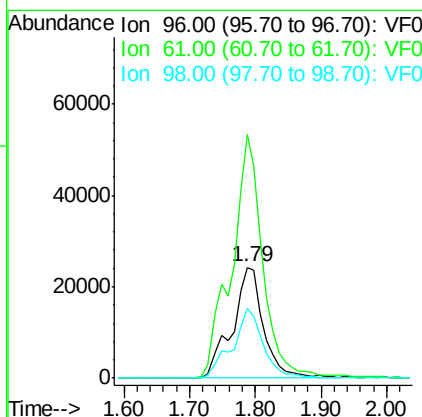
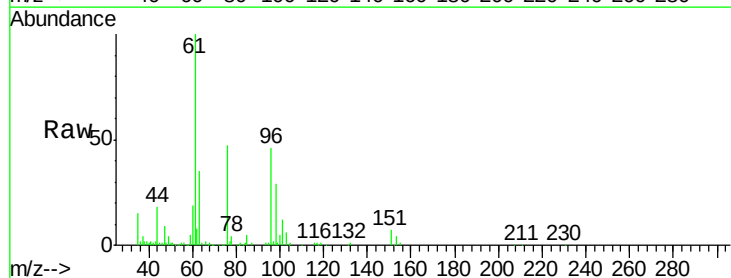
MMDadoda  
2/11/2019 12:35:46 PM

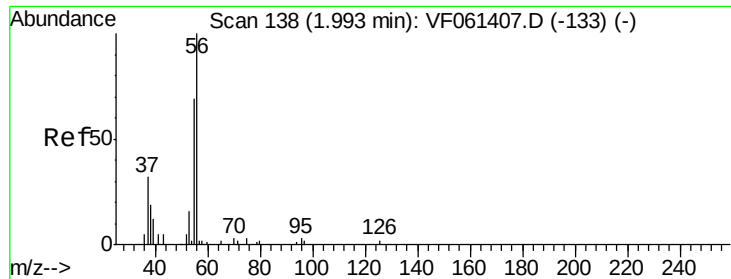


#12

1,1-Dichloroethene  
Concen: 48.349 ug/l  
RT: 1.79 min Scan# 117  
Delta R.T. -0.01 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

| Tgt Ion   | 96    | Resp  | 81362 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 219.7 | 186.9 | 280.3 |
| 98        | 63.0  | 53.0  | 79.4  |





#13

Acrolein

Concen: 239.776 ug/l

RT: 1.99 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 20384

Ion Ratio Lower Upper

56 100

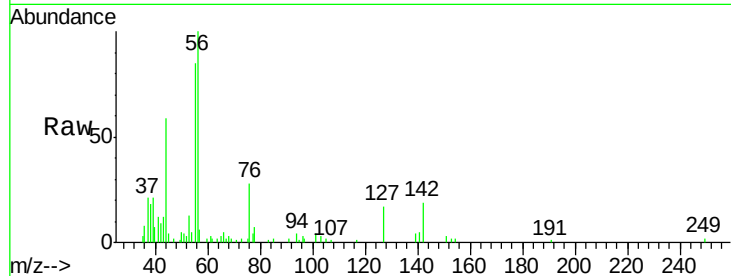
55 84.8 57.5 86.3

Manual Integrations

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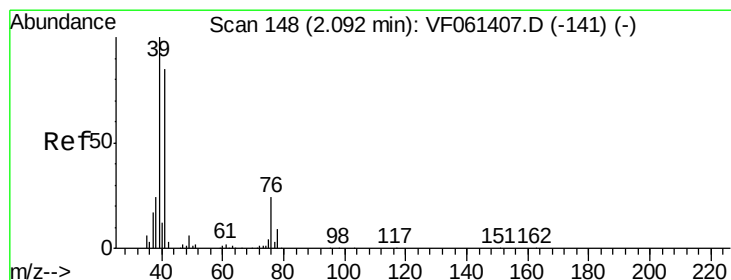
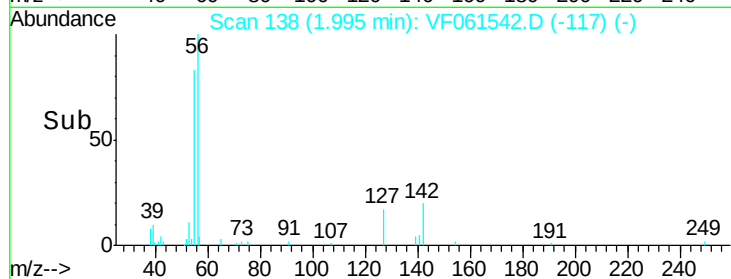
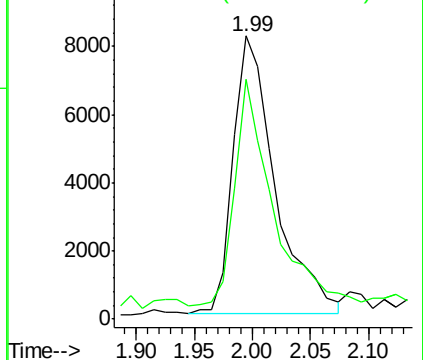
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 64.056 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

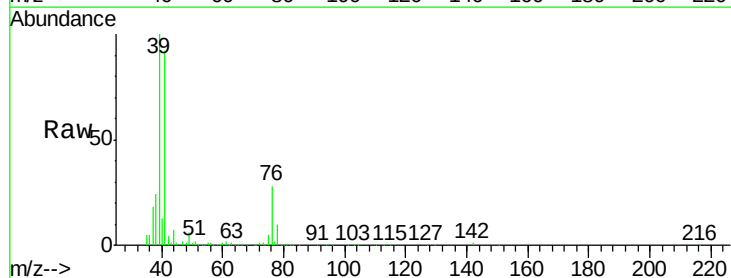
Tgt Ion: 41 Resp: 118741

Ion Ratio Lower Upper

41 100

39 108.4 94.6 141.8

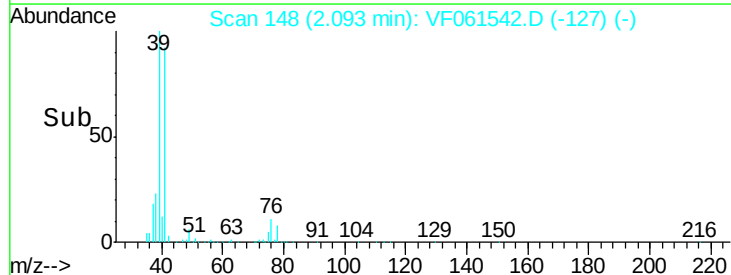
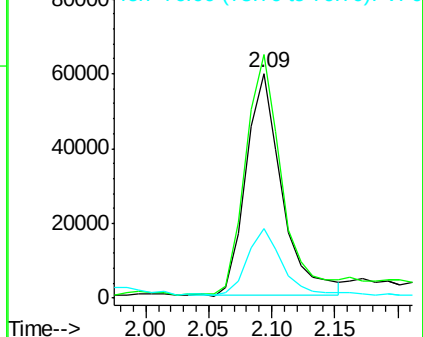
76 30.8 25.9 38.9

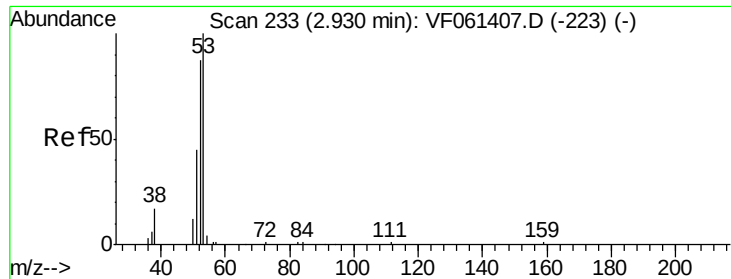


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 251.105 ug/l

RT: 2.93 min Scan# 233

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

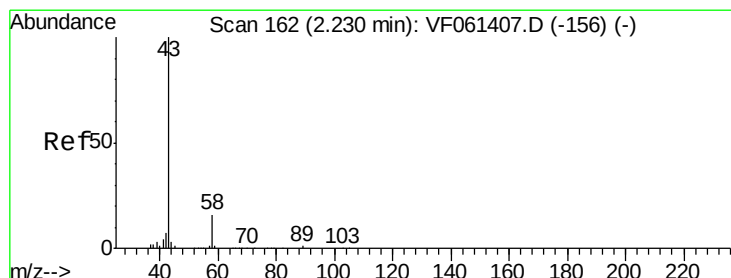
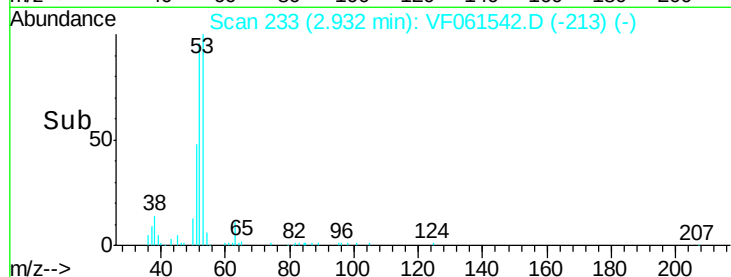
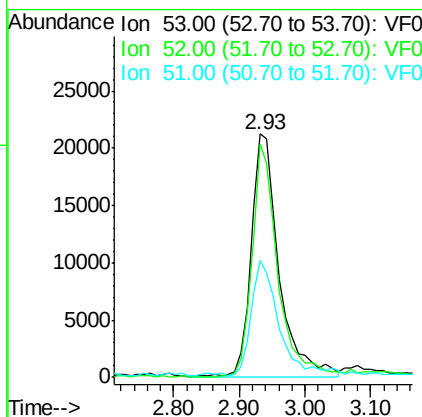
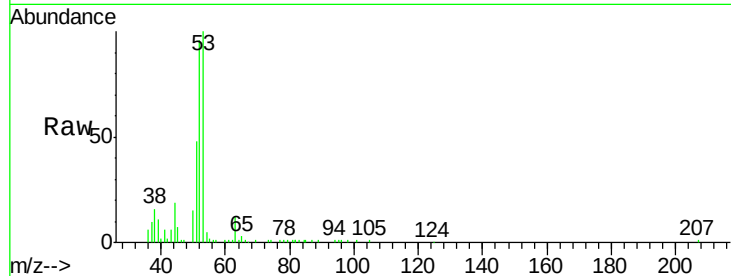
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 63600 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 95.6  | 69.6  | 104.4 |
| 51       | 47.8  | 36.8  | 55.2  |

Manual Integrations  
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#16

Acetone

Concen: 271.595 ug/l

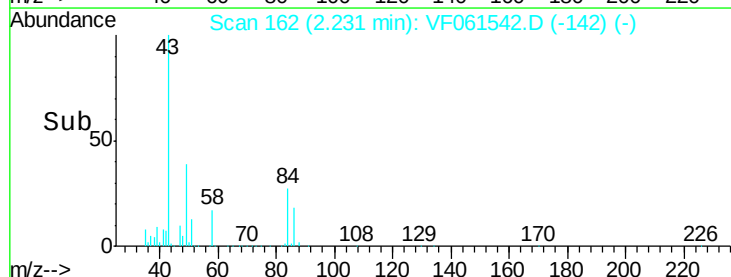
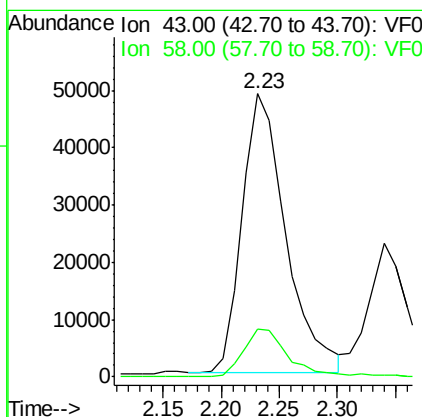
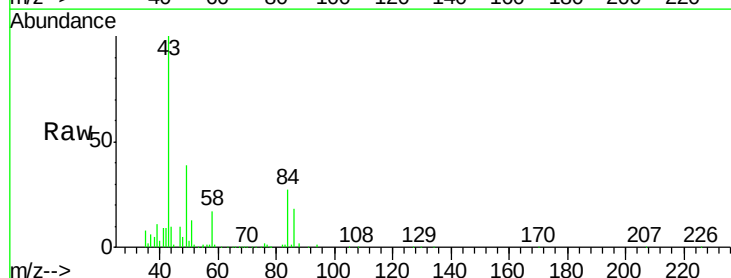
RT: 2.23 min Scan# 162

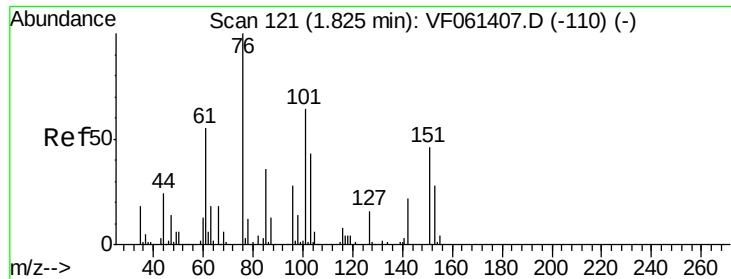
Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 127279 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 17.0  | 13.3  | 19.9   |





#17

Carbon Disulfide

Concen: 44.858 ug/l

RT: 1.82 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 235378

Ion Ratio Lower Upper

76 100

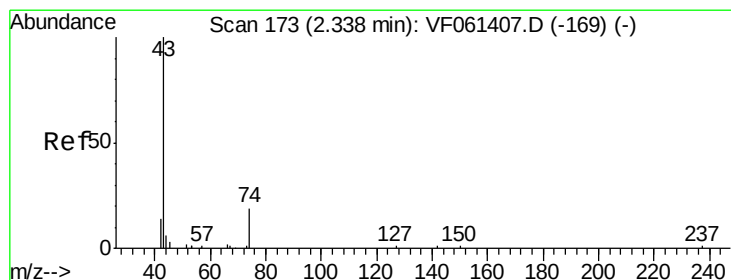
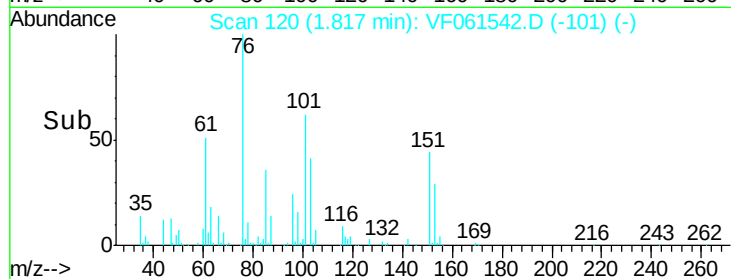
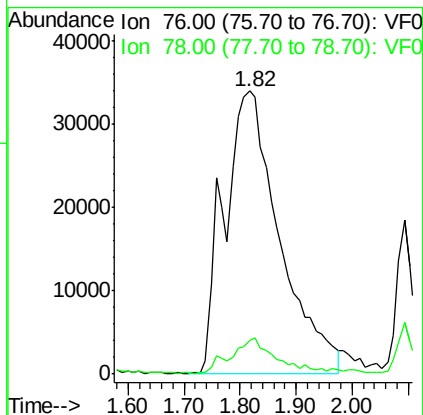
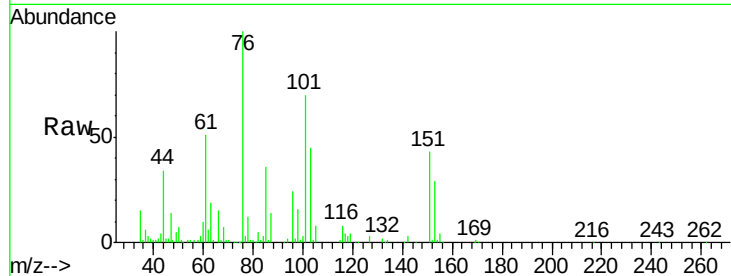
78 11.8 9.6 14.4

Manual Integrations

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#18

Methyl Acetate

Concen: 49.811 ug/l

RT: 2.34 min Scan# 173

Delta R.T. 0.00 min

Lab File: VF061542.D

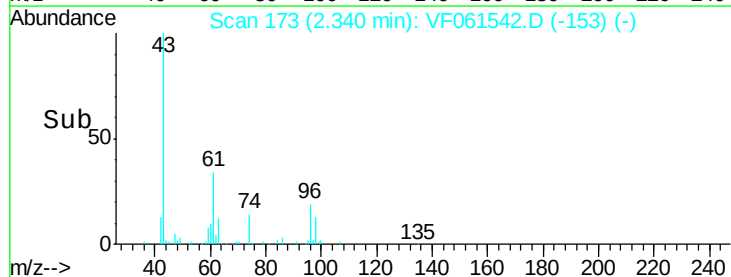
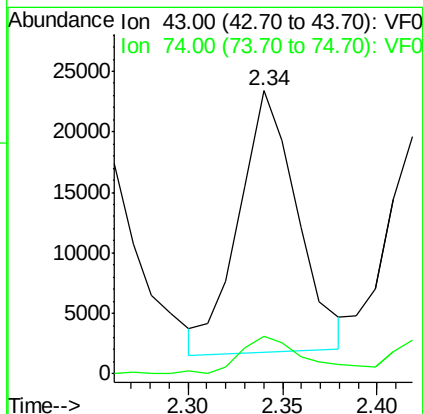
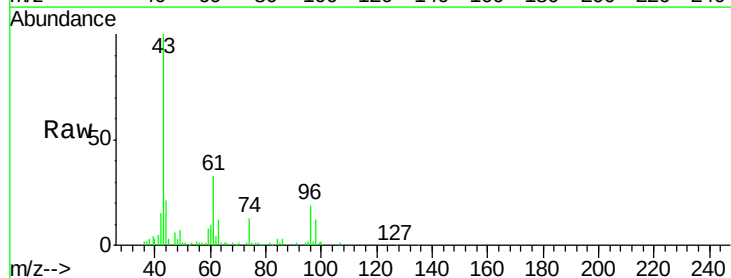
Acq: 7 Feb 2019 13:28

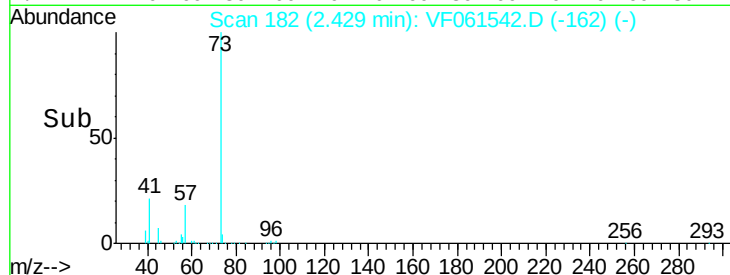
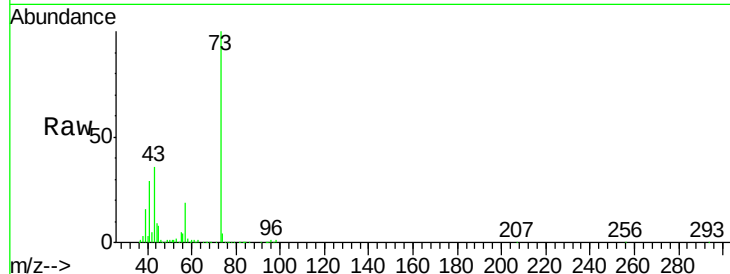
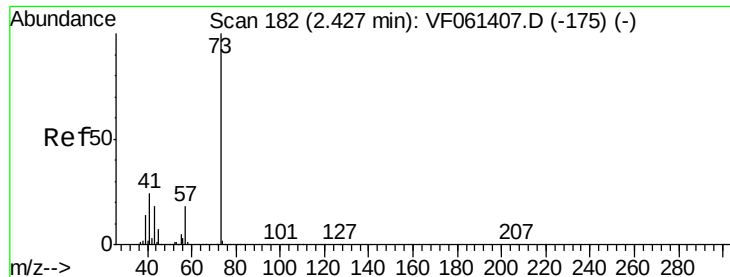
Tgt Ion: 43 Resp: 46293

Ion Ratio Lower Upper

43 100

74 13.3 13.4 20.0#





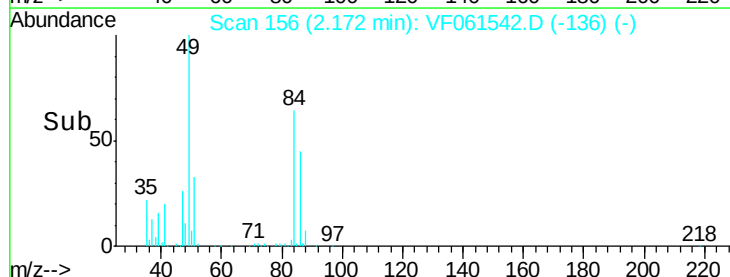
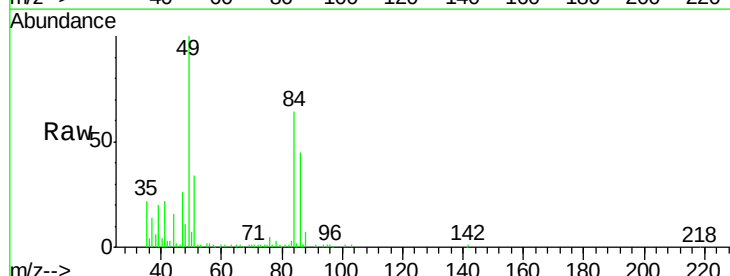
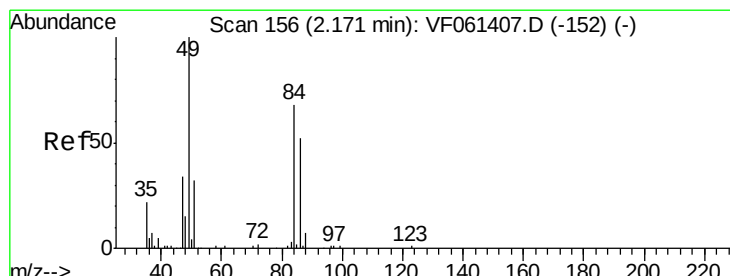
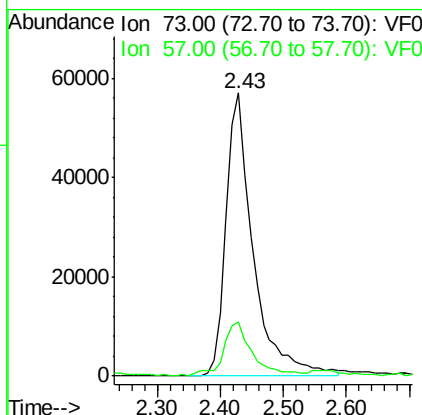
#19  
Methyl tert-butyl Ether  
Concen: 45.343 ug/l  
RT: 2.43 min Scan# 182  
Delta R.T. 0.00 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

Tot Ion: 73 Resp: 171052  
Ion Ratio Lower Upper  
73 100  
57 19.1 14.8 22.2

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

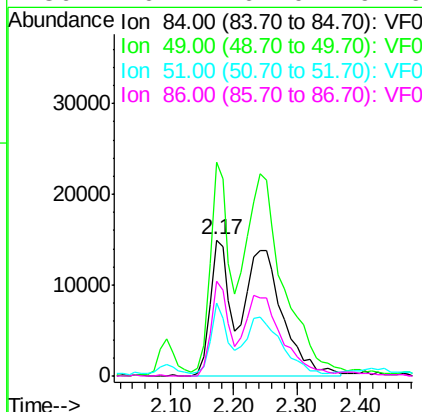
Manual Integrations  
APPROVED

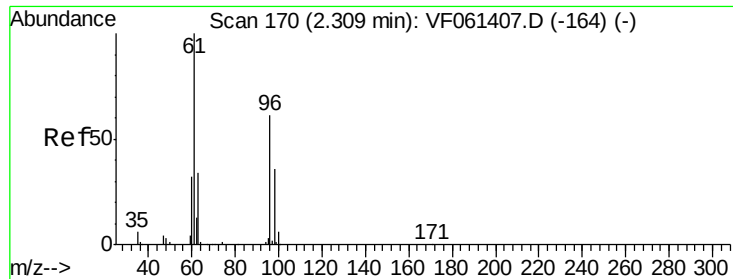
MMDadoda  
2/11/2019 12:35:46 PM



#20  
Methylene Chloride  
Concen: 55.430 ug/l m  
RT: 2.17 min Scan# 156  
Delta R.T. 0.00 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

Tgt Ion: 84 Resp: 87874  
Ion Ratio Lower Upper  
84 100  
49 157.1 120.0 180.0  
51 53.8 38.6 58.0  
86 70.2 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 44.608 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

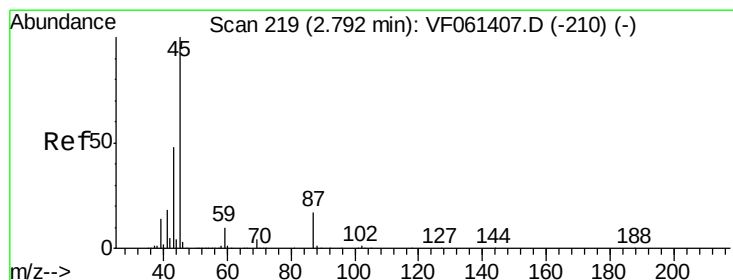
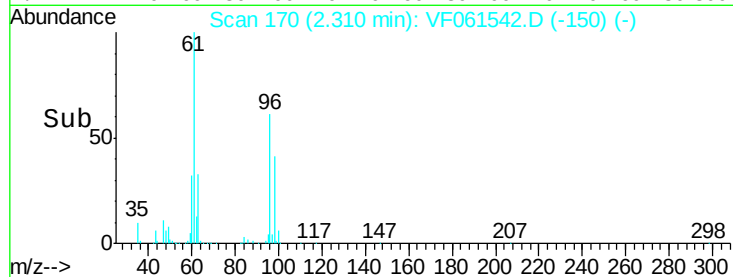
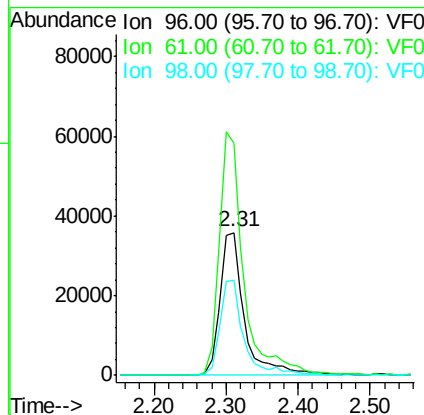
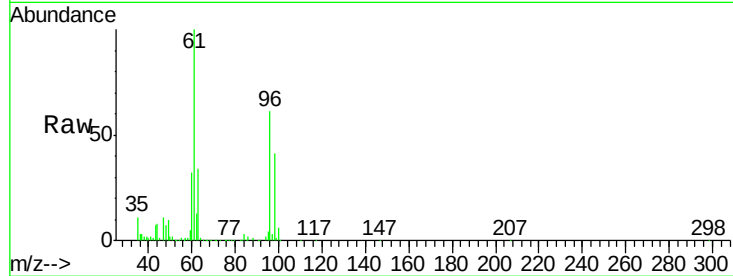
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 96    | Resp: | 82592 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 163.2 | 131.8 | 197.8 |
| 98        | 66.4  | 47.4  | 71.0  |

Manual Integrations  
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2/11/2019 12:35:46 PM



#22

Diisopropyl ether

Concen: 46.796 ug/l

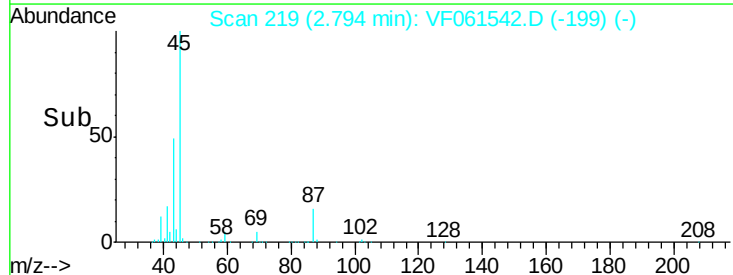
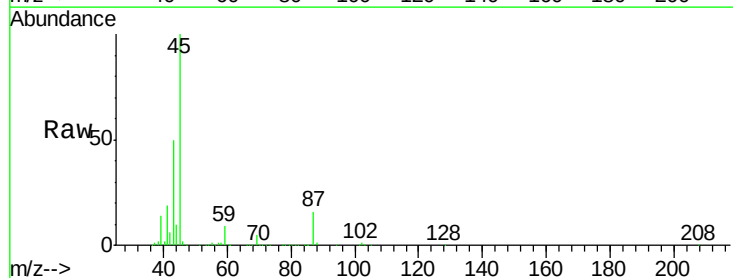
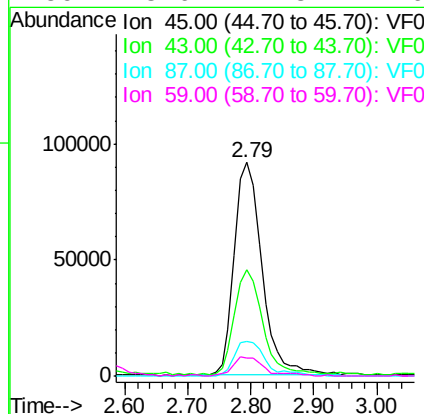
RT: 2.79 min Scan# 219

Delta R.T. 0.00 min

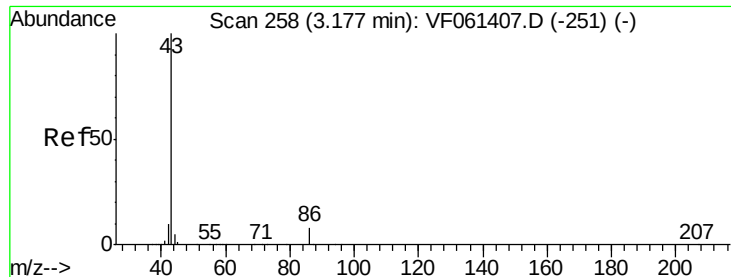
Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 280239 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 43        | 50.0  | 39.0  | 58.6   |
| 87        | 16.4  | 13.9  | 20.9   |
| 59        | 8.6   | 7.8   | 11.6   |







#23

Vinyl Acetate

Concen: 255.833 ug/l

RT: 3.18 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 674081

Ion Ratio Lower Upper

43 100

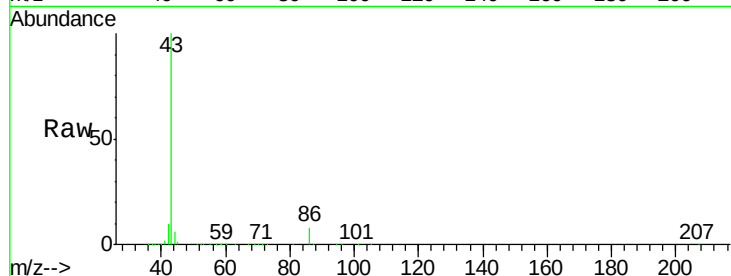
86 7.9 6.2 9.4

Manual Integrations

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2/11/2019 12:35:46 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.18

250000

200000

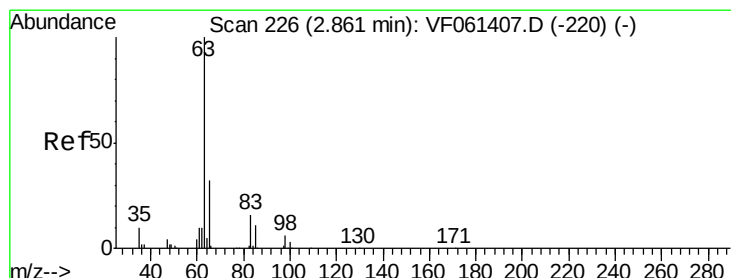
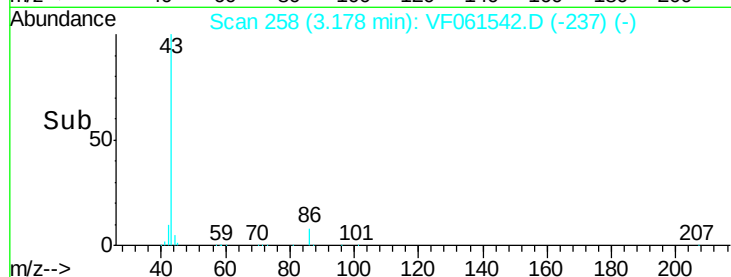
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.460 ug/l

RT: 2.86 min Scan# 226

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

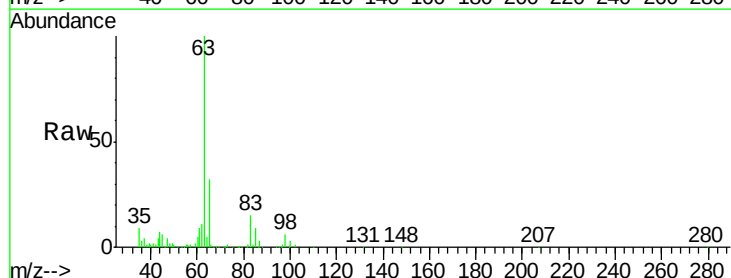
Tgt Ion: 63 Resp: 174623

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.8

100 3.0 1.6 4.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.86

80000

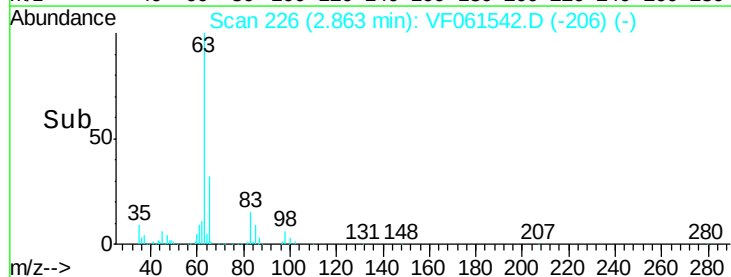
60000

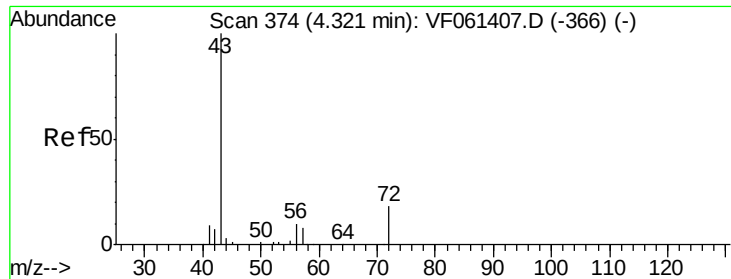
40000

20000

0

Time-->





#25

2-Butanone

Concen: 246.960 ug/l

RT: 4.32 min Scan# 374

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 192461

Ion Ratio Lower Upper

43 100

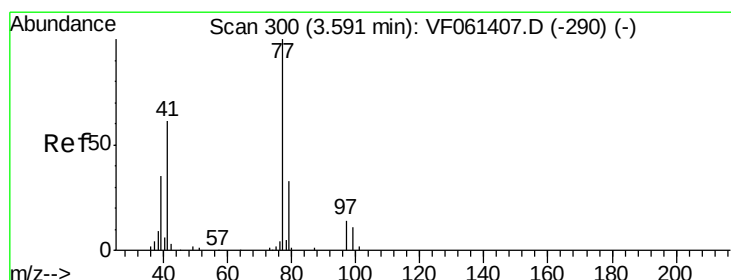
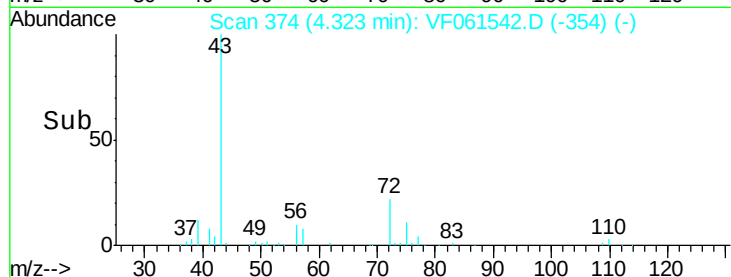
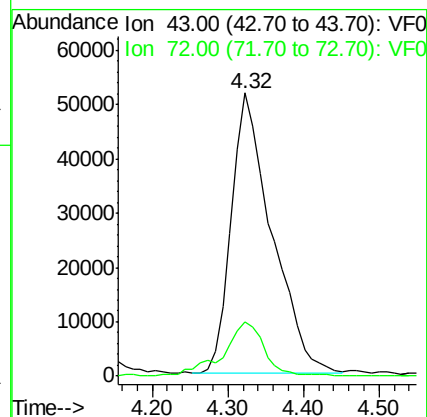
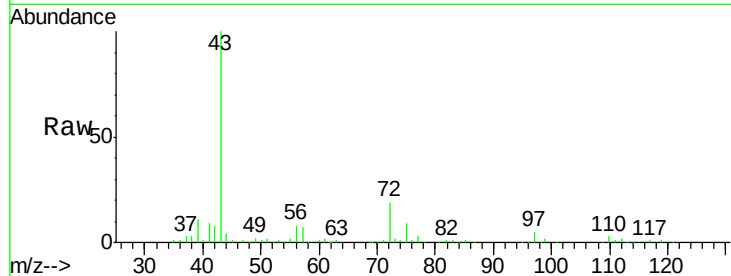
72 19.2 15.8 23.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.305 ug/l

RT: 3.59 min Scan# 300

Delta R.T. 0.00 min

Lab File: VF061542.D

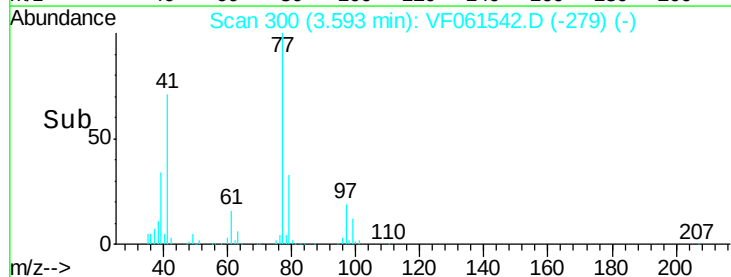
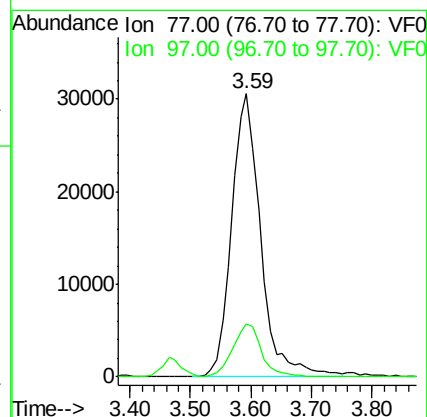
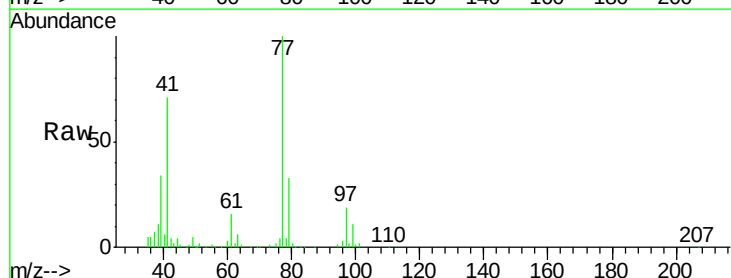
Acq: 7 Feb 2019 13:28

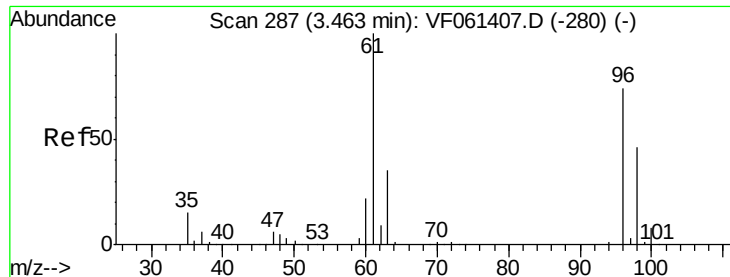
Tgt Ion: 77 Resp: 102311

Ion Ratio Lower Upper

77 100

97 18.8 8.5 25.5





#27

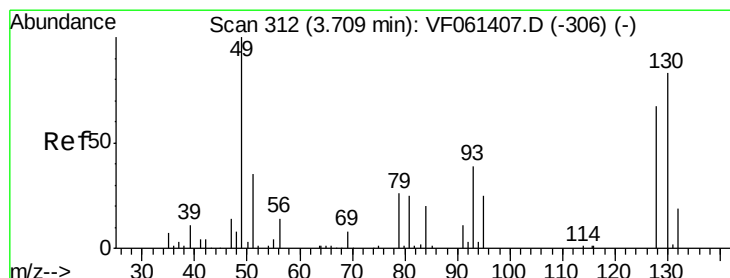
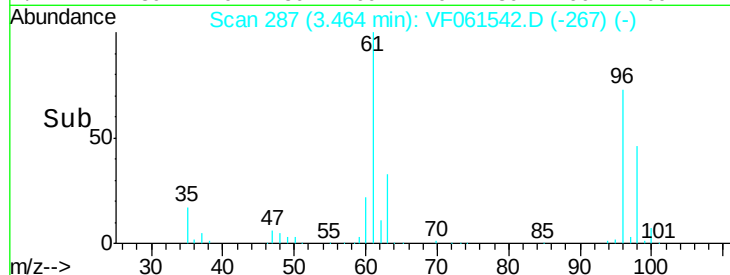
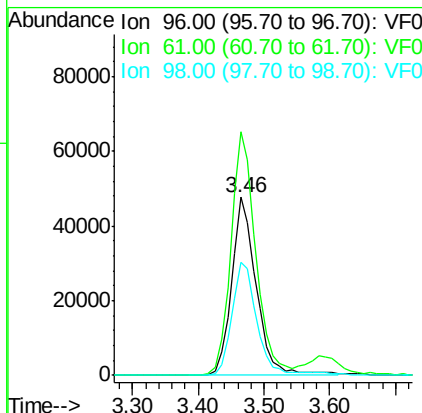
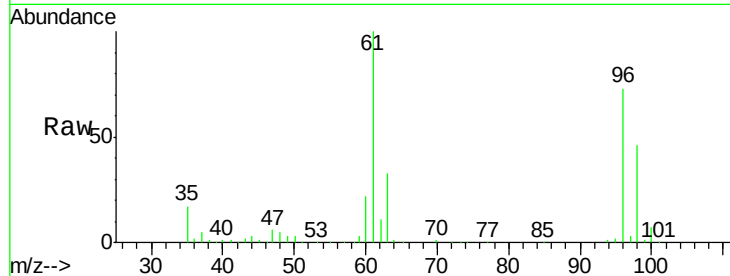
cis-1,2-Dichloroethene  
Concen: 45.803 ug/l  
RT: 3.46 min Scan# 287  
Delta R.T. 0.00 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 125185 |       |       |
| 61      | 137.0 | 0.0    | 270.2 |       |
| 98      | 63.6  | 0.0    | 124.0 |       |

Manual Integrations  
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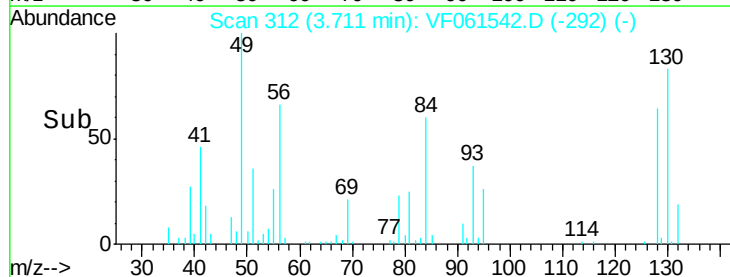
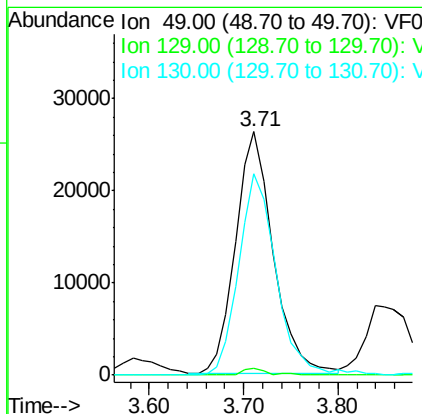
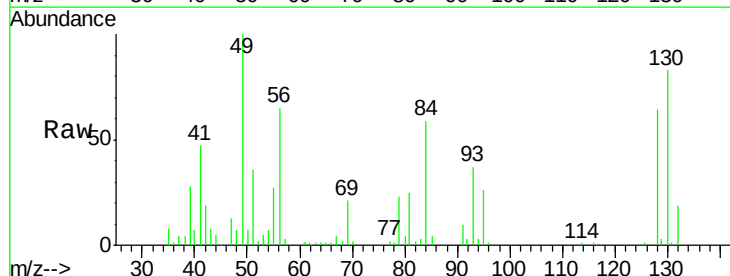
MMDadoda  
2/11/2019 12:35:46 PM

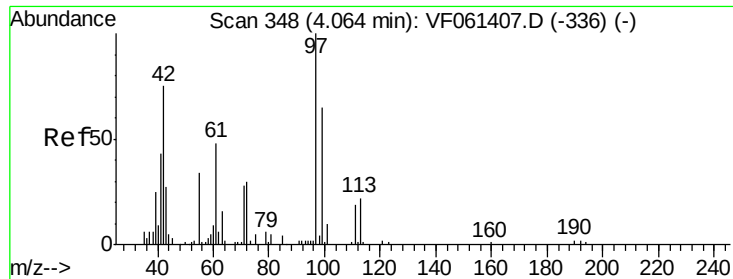


#28

Bromochloromethane  
Concen: 42.966 ug/l  
RT: 3.71 min Scan# 312  
Delta R.T. 0.00 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 72592 |       |       |
| 129     | 2.6   | 0.0   | 0.0#  |       |
| 130     | 82.6  | 65.4  | 98.2  |       |





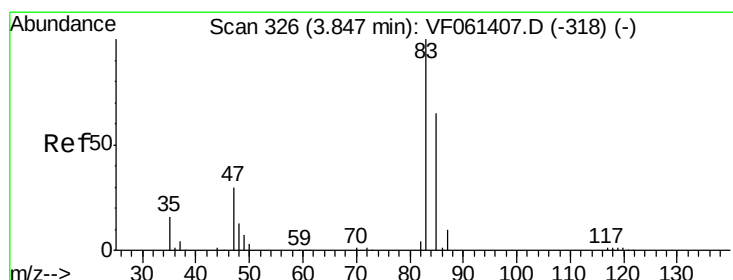
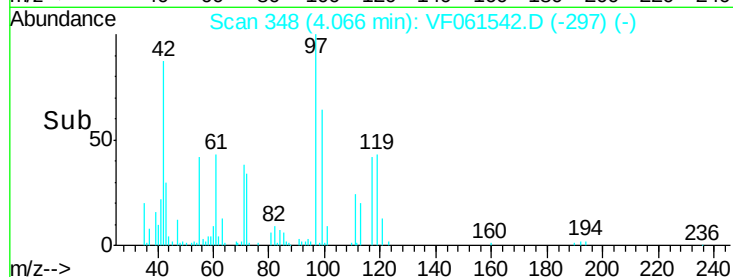
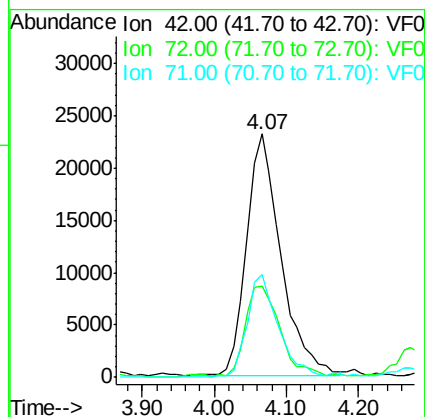
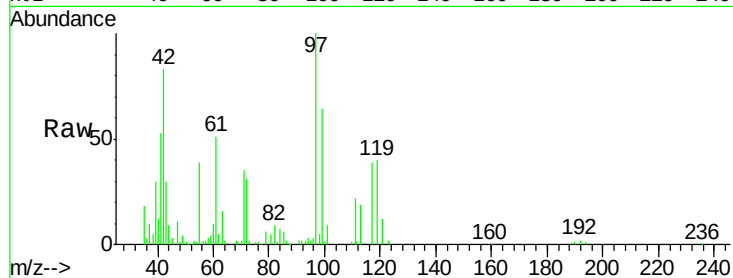
#29  
Tetrahydrofuran  
Concen: 231.058 ug/l  
RT: 4.07 min Scan# 348  
Delta R.T. 0.00 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 39.1  | 28.9  | 43.3  |
| 71      | 38.4  | 29.6  | 44.4  |

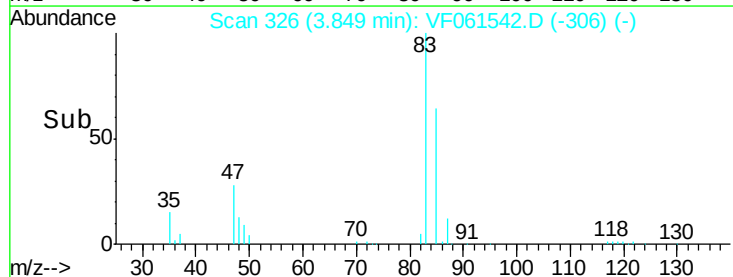
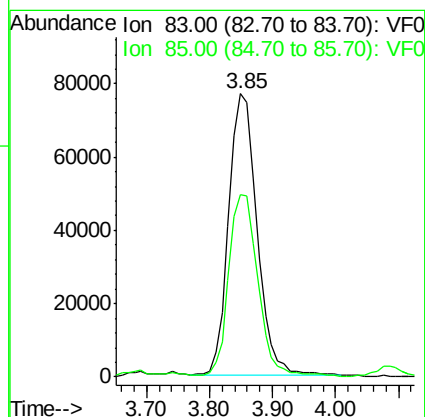
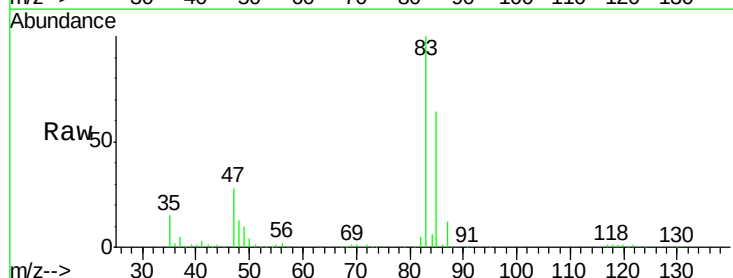
Manual Integrations  
APPROVED

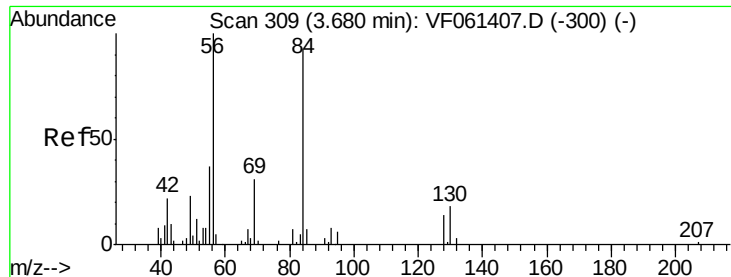
MMDadoda  
2/11/2019 12:35:46 PM



#30  
Chloroform  
Concen: 47.096 ug/l  
RT: 3.85 min Scan# 326  
Delta R.T. 0.00 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.2  | 52.7  | 79.1  |





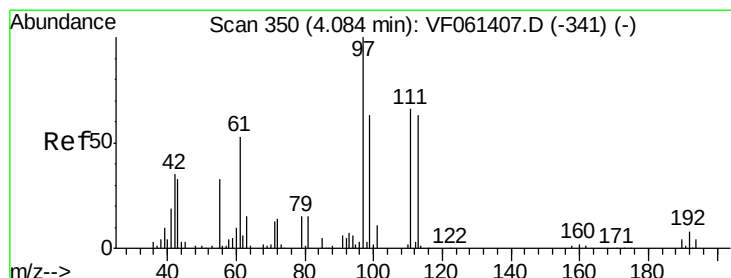
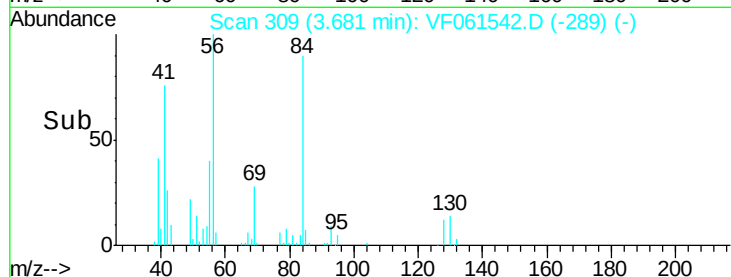
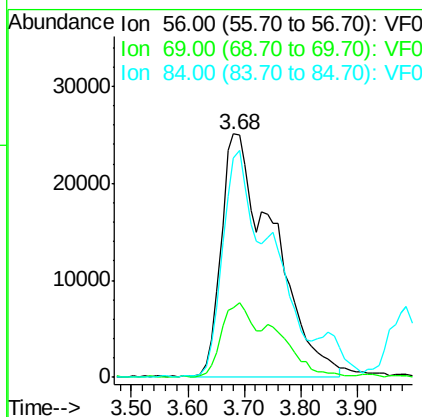
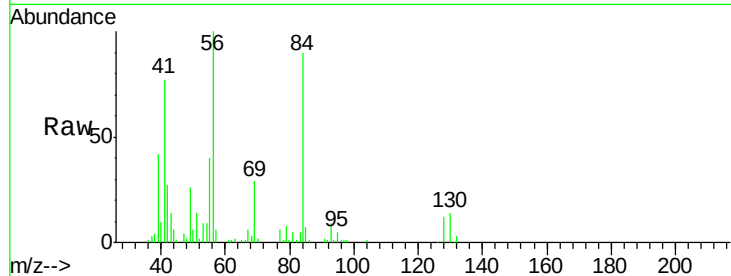
#31  
Cyclohexane  
Concen: 42.986 ug/l m  
RT: 3.68 min Scan# 309  
Delta R.T. 0.00 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 28.7  | 24.6  | 36.8  |
| 84      | 90.2  | 74.2  | 111.2 |

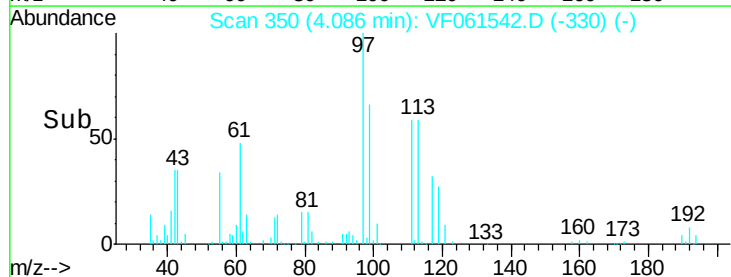
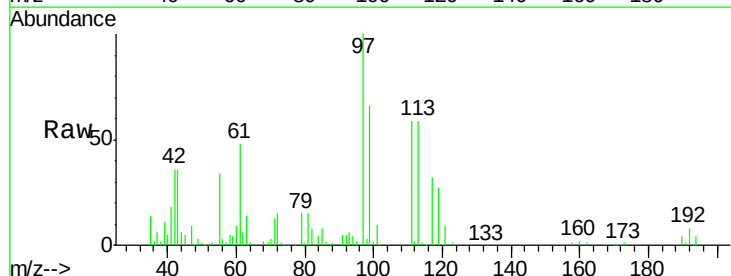
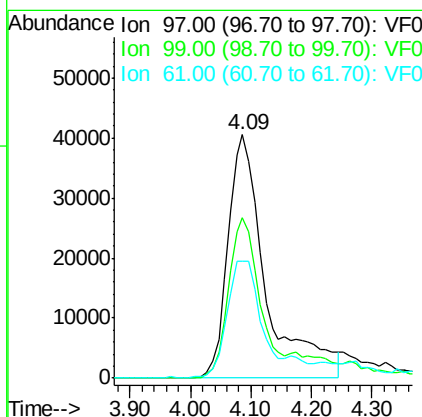
Manual Integrations  
APPROVED

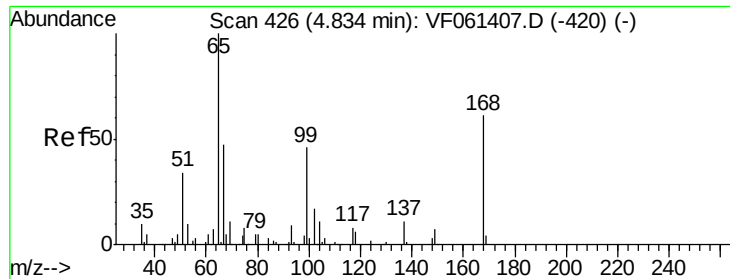
MMDadoda  
2/11/2019 12:35:46 PM



#32  
1,1,1-Trichloroethane  
Concen: 48.053 ug/l  
RT: 4.09 min Scan# 350  
Delta R.T. 0.00 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.6  | 50.1  | 75.1  |
| 61      | 48.2  | 43.1  | 64.7  |





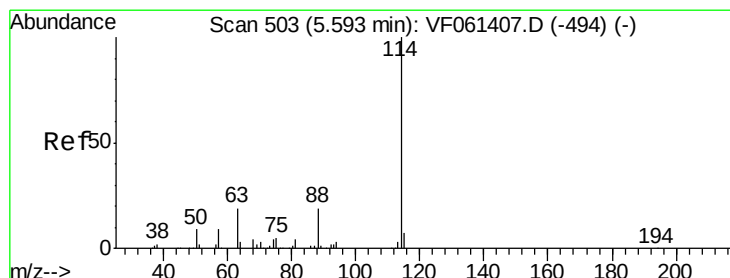
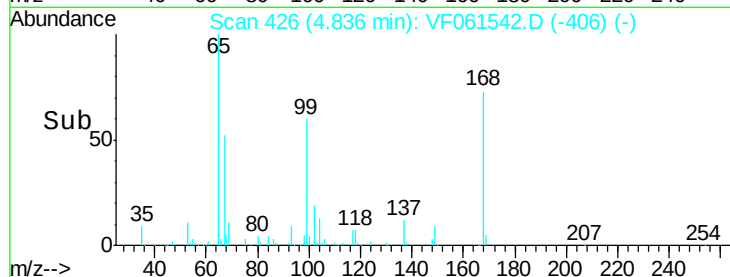
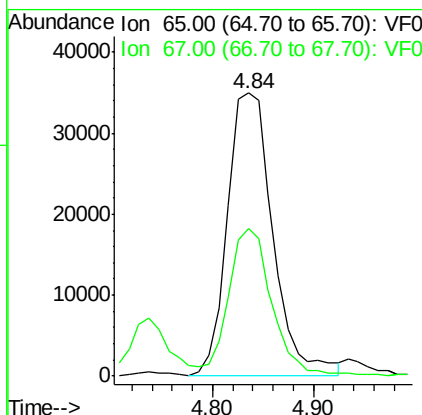
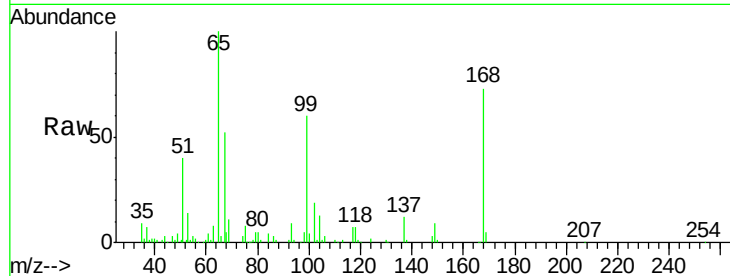
#33  
 1,2-Dichloroethane-d4  
 Concen: 47.309 ug/l  
 RT: 4.84 min Scan# 426  
 Delta R.T. 0.00 min  
 Lab File: VF061542.D  
 Acq: 7 Feb 2019 13:28

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 110516 |       |       |
| 67      | 52.1  | 0.0    | 99.8  |       |

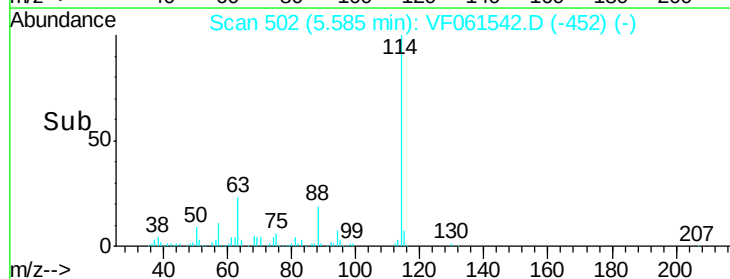
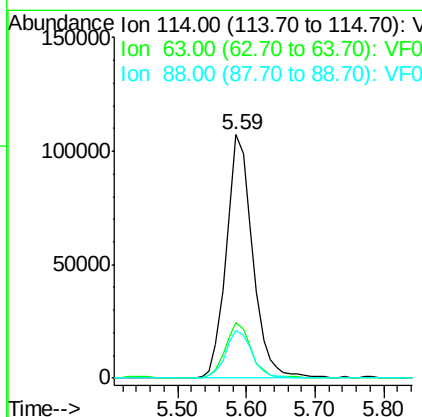
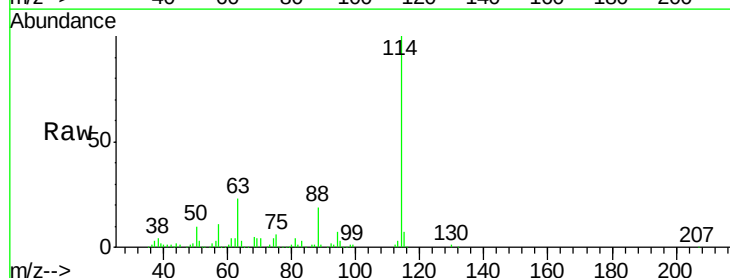
Manual Integrations  
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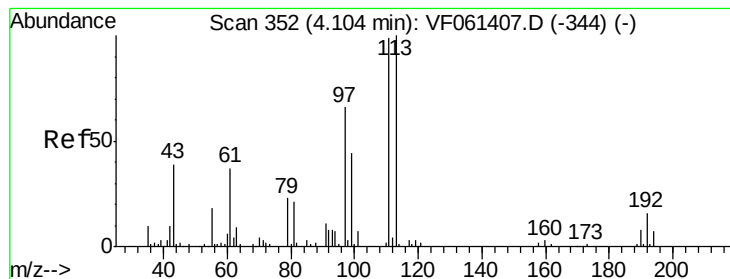
MMDadoda  
 2/11/2019 12:35:46 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.59 min Scan# 502  
 Delta R.T. -0.01 min  
 Lab File: VF061542.D  
 Acq: 7 Feb 2019 13:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 285019 |       |       |
| 63      | 22.6  | 0.0    | 39.0  |       |
| 88      | 19.5  | 0.0    | 37.4  |       |





#35

Dibromofluoromethane

Concen: 51.718 ug/l

RT: 4.11 min Scan# 352

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

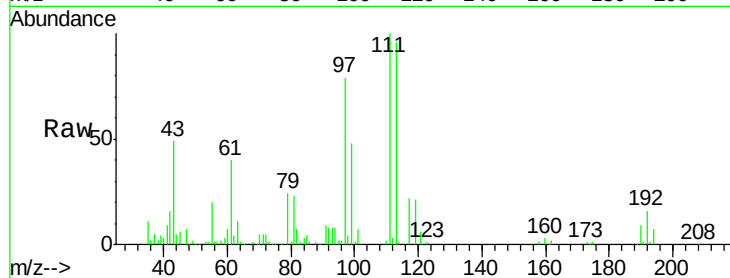
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 116317 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 103.8 | 79.4  | 119.0  |
| 192       | 16.1  | 12.4  | 18.6   |

Manual Integrations  
APPROVED

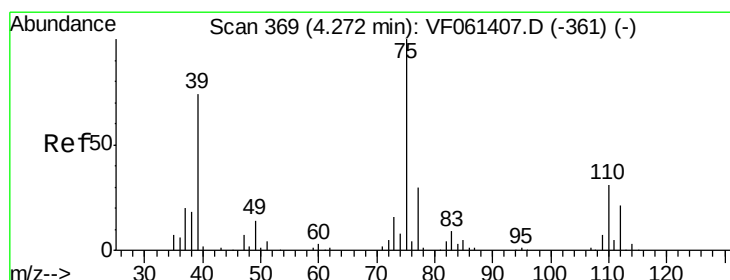
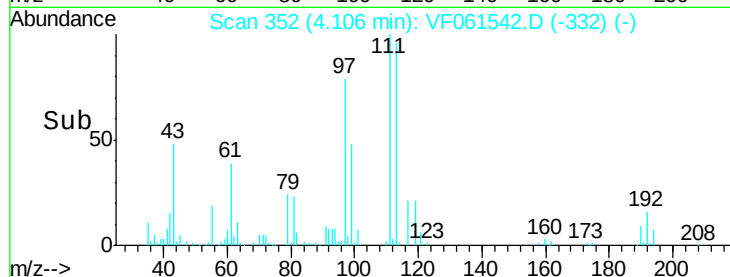
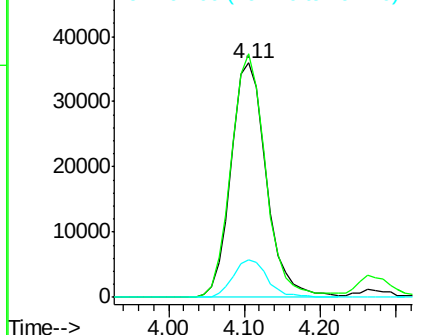
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2/11/2019 12:35:46 PM



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 53.403 ug/l

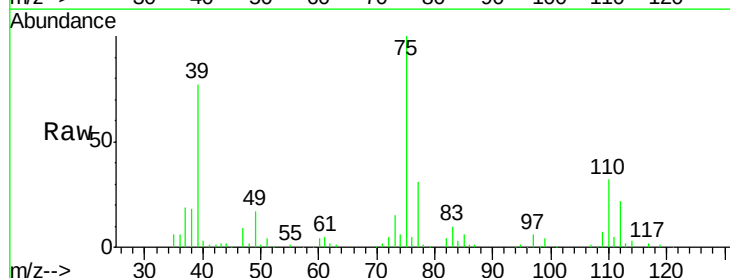
RT: 4.27 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

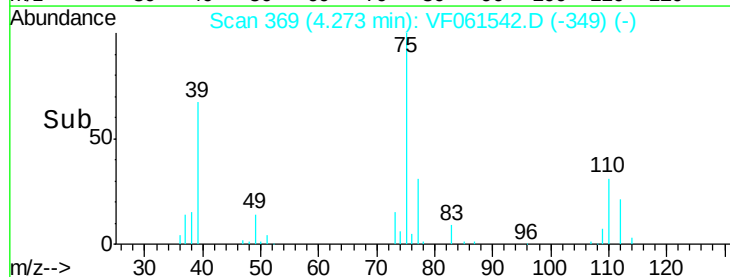
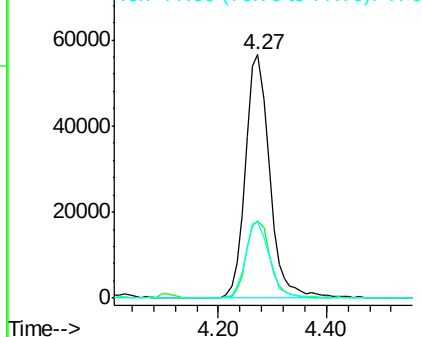
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 176478 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 31.7  | 15.8  | 47.3   |
| 77        | 30.9  | 24.0  | 36.0   |

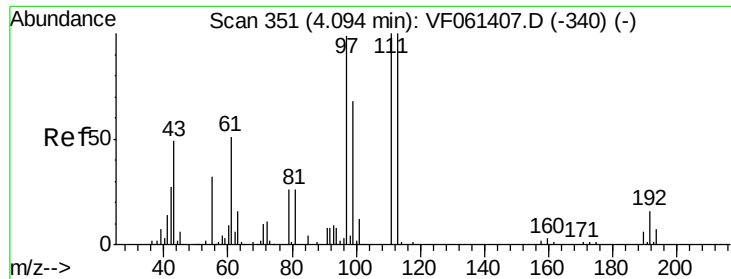


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





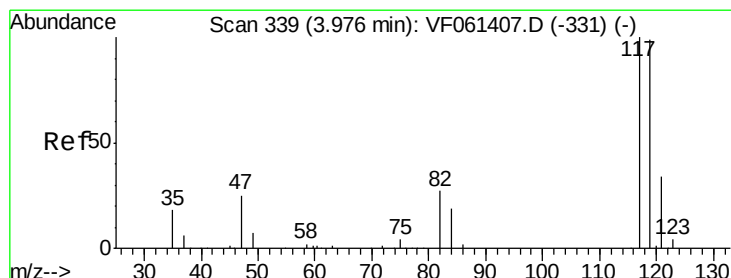
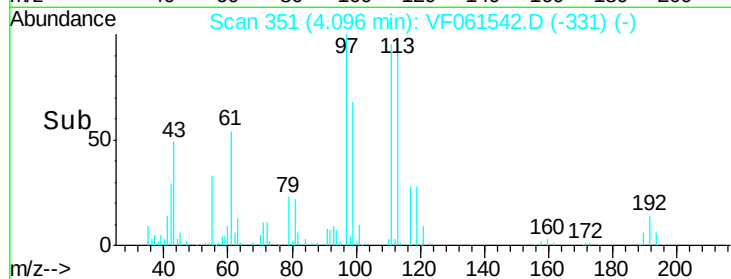
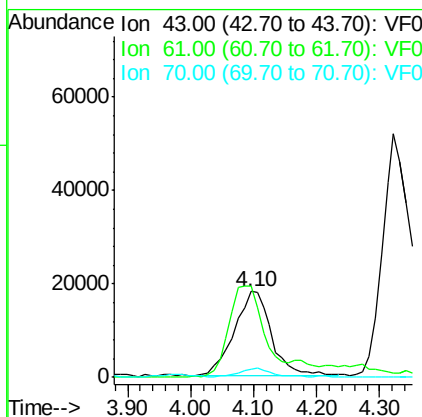
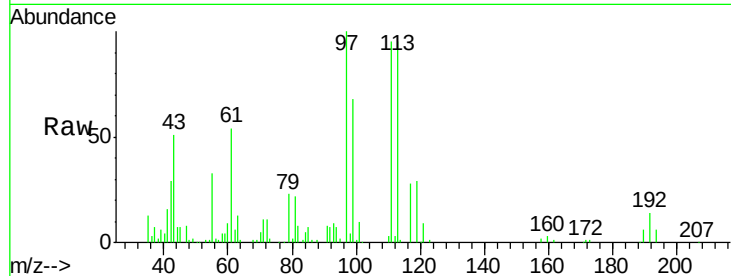
#37  
Ethyl Acetate  
Concen: 55.809 ug/l  
RT: 4.10 min Scan# 351  
Delta R.T. 0.00 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 106.1 | 81.7  | 122.5 |
| 70      | 9.9   | 6.2   | 9.2#  |

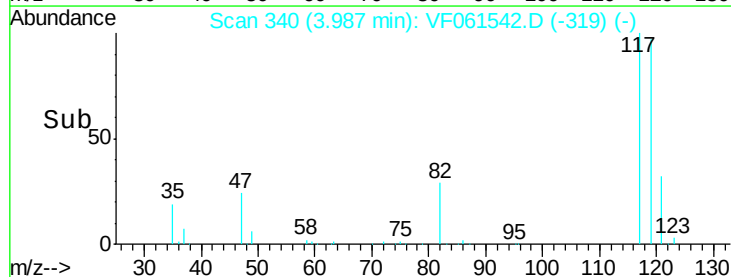
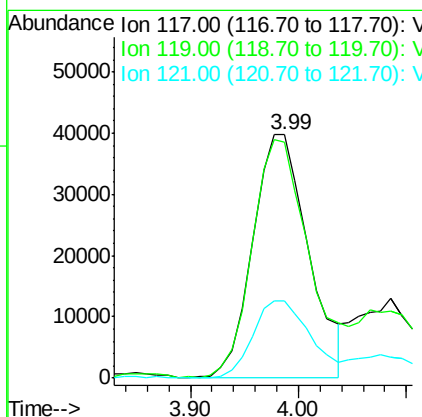
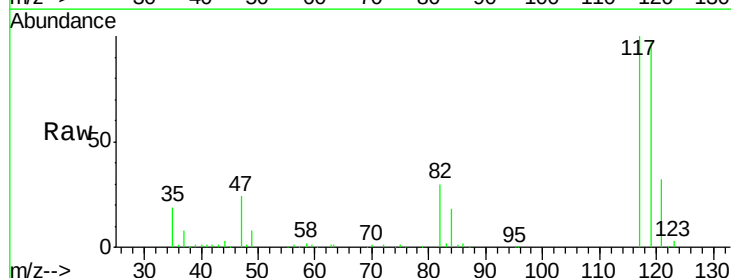
Manual Integrations  
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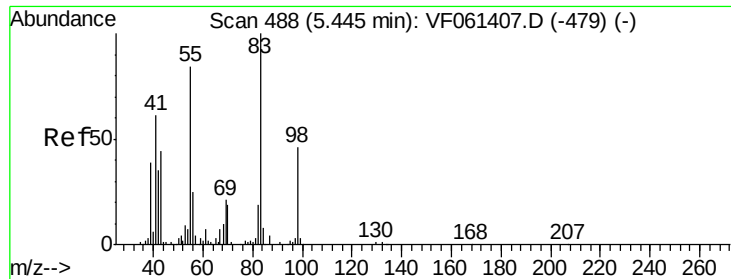


#38  
Carbon Tetrachloride  
Concen: 49.534 ug/l  
RT: 3.99 min Scan# 340  
Delta R.T. 0.01 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.7  | 79.0  | 118.6 |
| 121     | 31.7  | 27.0  | 40.6  |







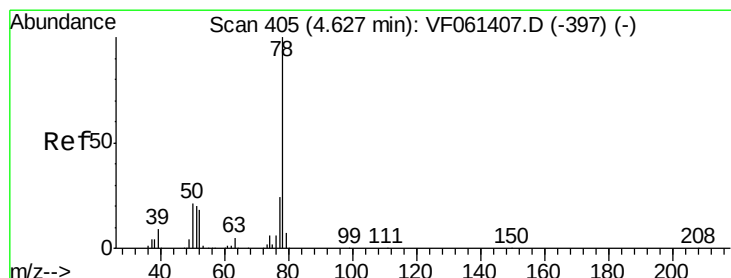
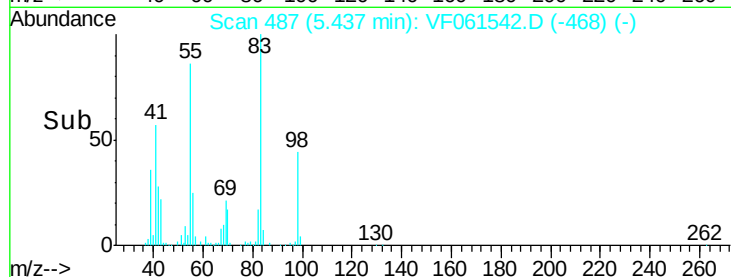
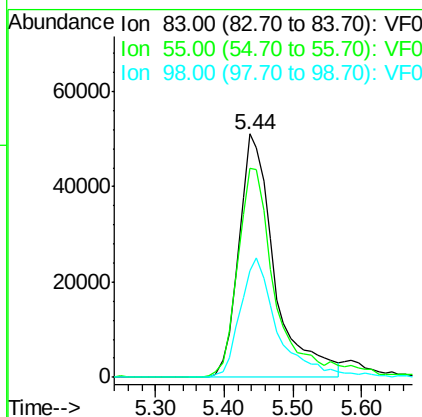
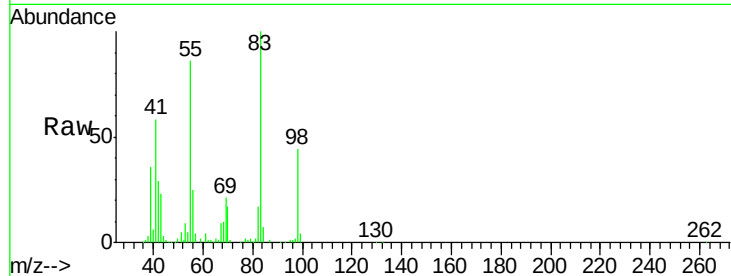
#39  
Methylvlcyclohexane  
Concen: 51.493 ug/l  
RT: 5.44 min Scan# 487  
Delta R.T. -0.01 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 86.1  | 67.4  | 101.2 |
| 98      | 43.9  | 36.7  | 55.1  |

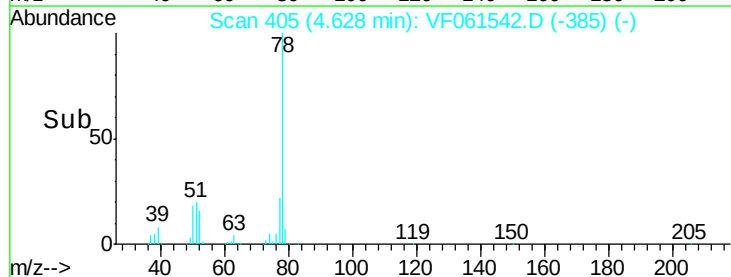
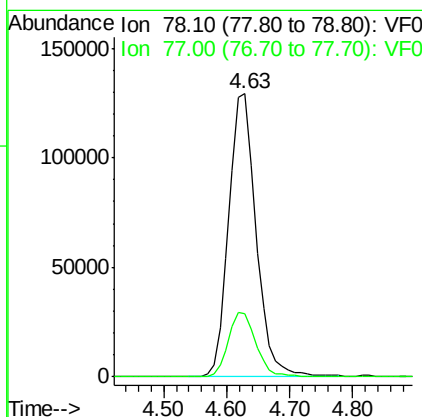
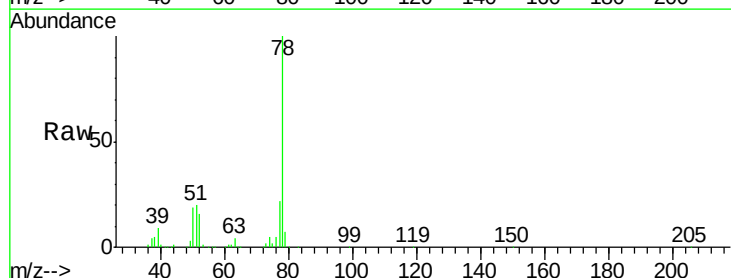
Manual Integrations  
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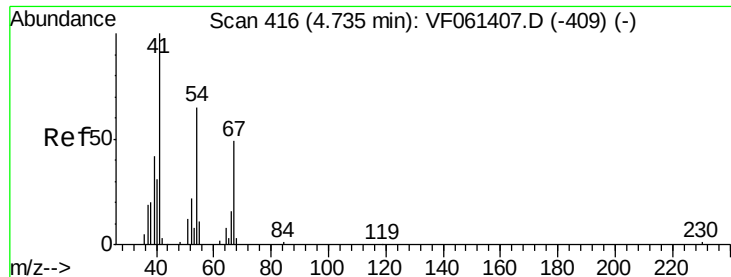
MMDadoda  
2/11/2019 12:35:46 PM



#40  
Benzene  
Concen: 52.984 ug/l  
RT: 4.63 min Scan# 405  
Delta R.T. 0.00 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 22.3  | 19.0  | 28.6  |





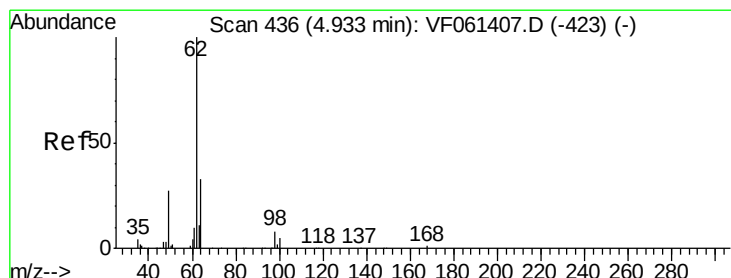
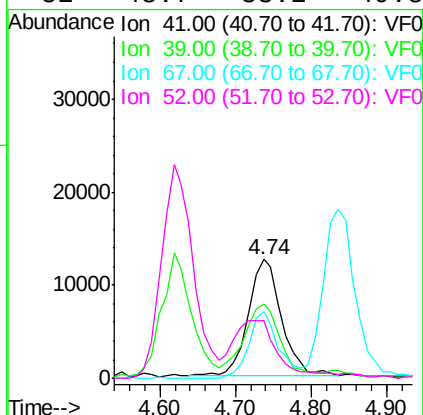
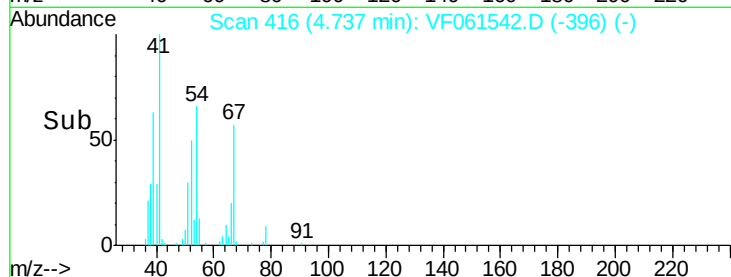
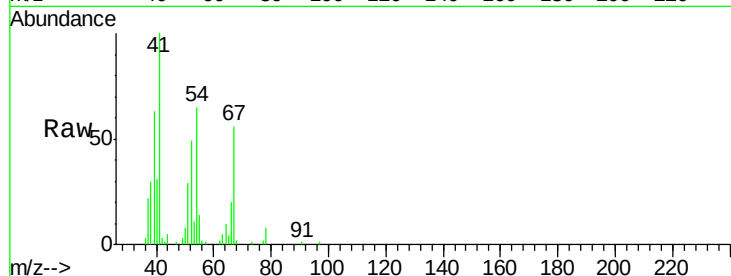
#41  
Methacrylonitrile  
Concen: 55.415 ug/l  
RT: 4.74 min Scan# 416  
Delta R.T. 0.00 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 41      | 100  |       | 38951 |       |       |
| 39      | 62.8 | 43.1  | 64.7  |       |       |
| 67      | 56.2 | 38.8  | 58.2  |       |       |
| 52      | 48.7 | 33.2  | 49.8  |       |       |

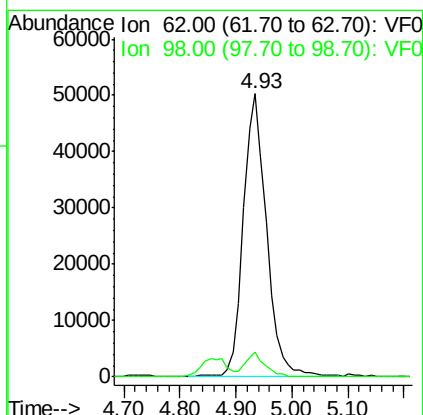
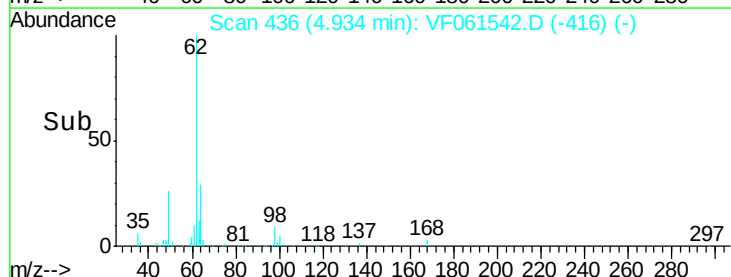
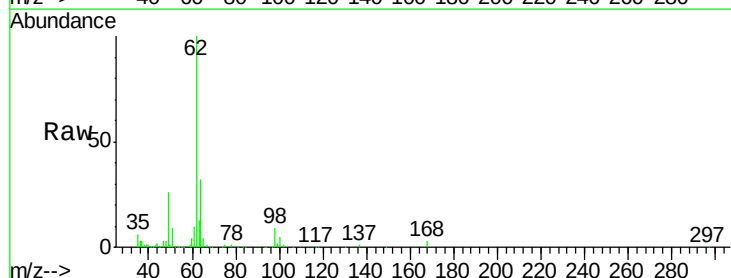
Manual Integrations  
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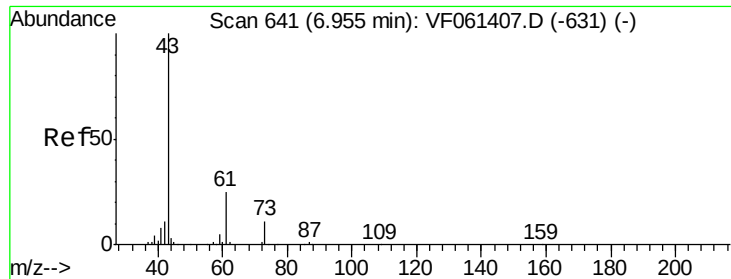
MMDadoda  
2/11/2019 12:35:46 PM



#42  
1,2-Dichloroethane  
Concen: 55.388 ug/l  
RT: 4.93 min Scan# 436  
Delta R.T. 0.00 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 62      | 100 |       | 145136 |       |       |
| 98      | 8.6 | 0.0   | 17.0   |       |       |





#43

Isopropyl Acetate

Concen: 54.018 ug/l

RT: 6.95 min Scan# 640

Delta R.T. -0.01 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

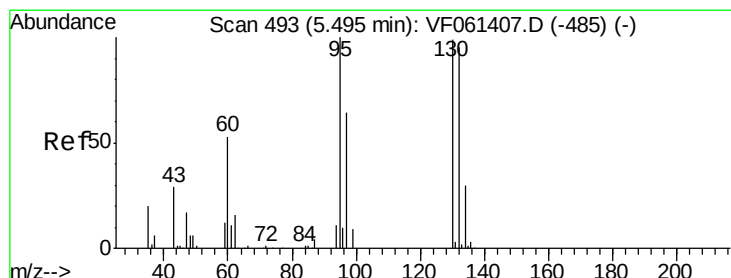
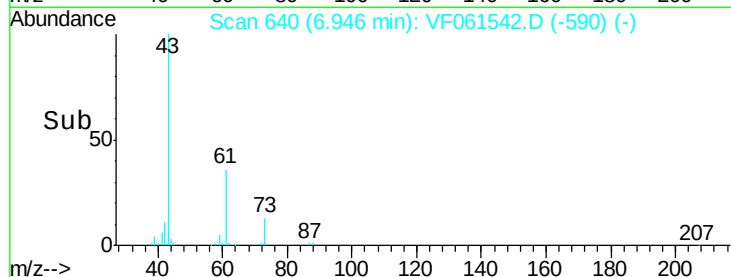
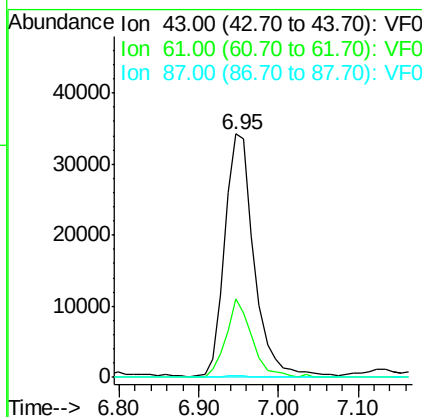
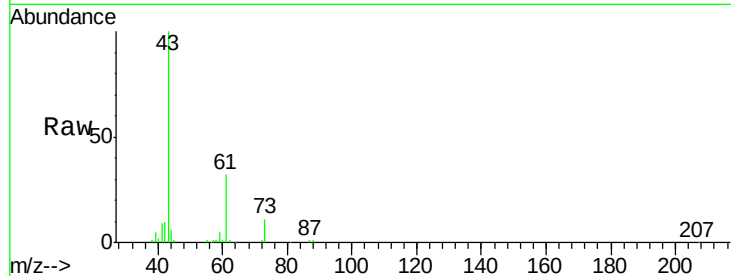
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 43    | Resp: | 89558 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 32.4  | 20.3  | 30.5# |
| 87        | 0.9   | 0.5   | 0.7#  |

Manual Integrations  
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#44

Trichloroethene

Concen: 56.293 ug/l

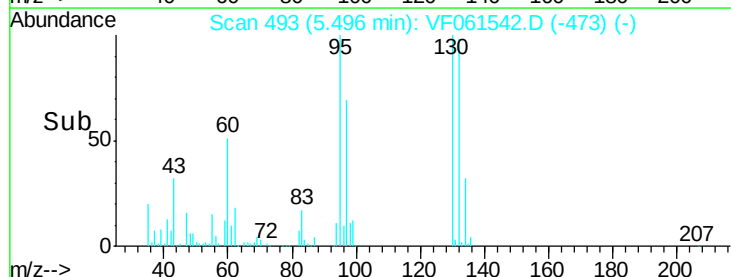
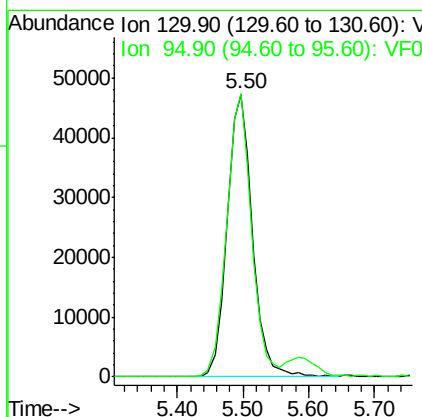
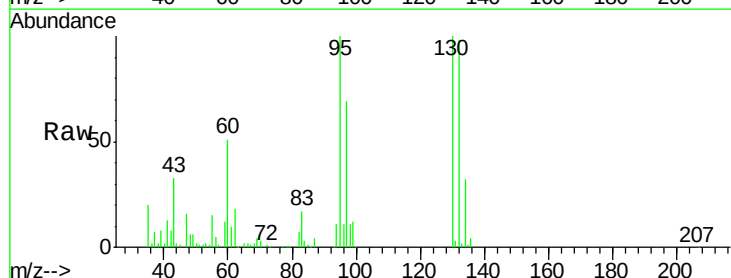
RT: 5.50 min Scan# 493

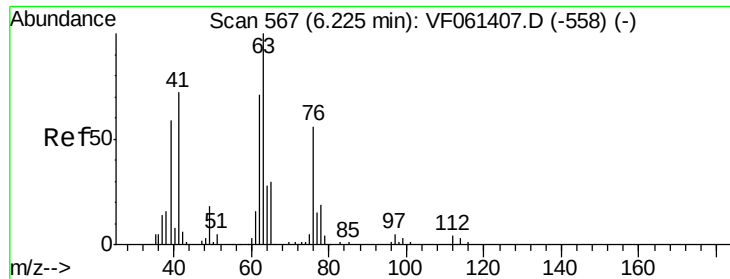
Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 130   | Resp: | 126984 |
| Ion Ratio | Lower | Upper |        |
| 130       | 100   |       |        |
| 95        | 100.3 | 0.0   | 202.8  |





#45

1,2-Dichloropropane

Concen: 52.036 ug/l

RT: 6.23 min Scan# 567

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 100427

Ion Ratio Lower Upper

63 100

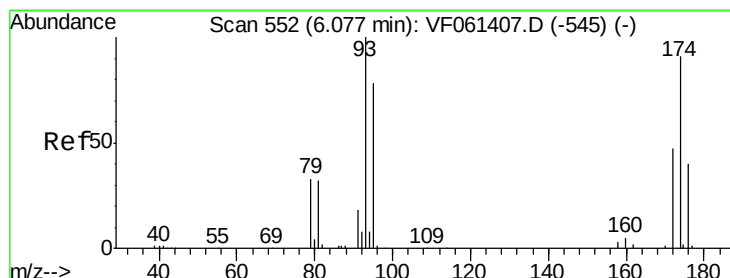
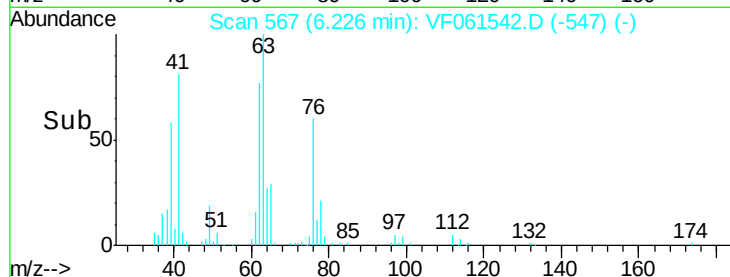
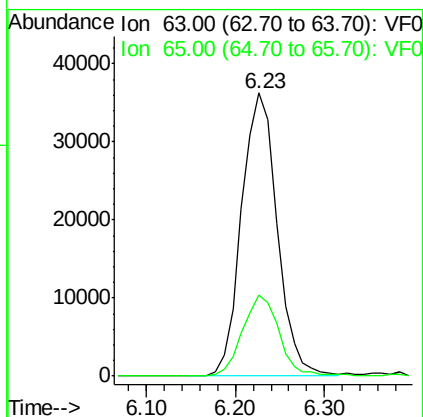
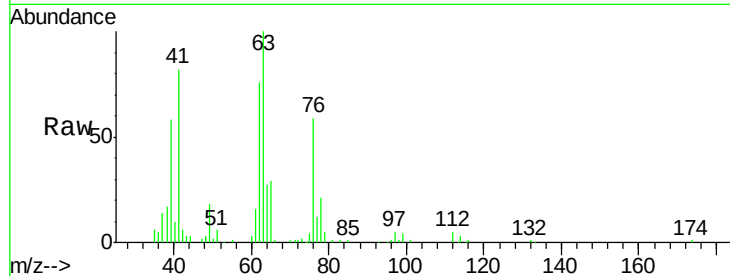
65 28.7 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 56.930 ug/l

RT: 6.08 min Scan# 552

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

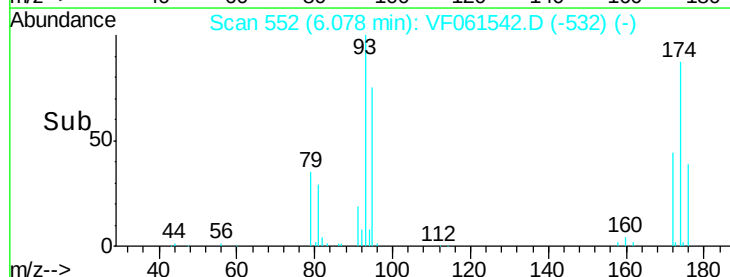
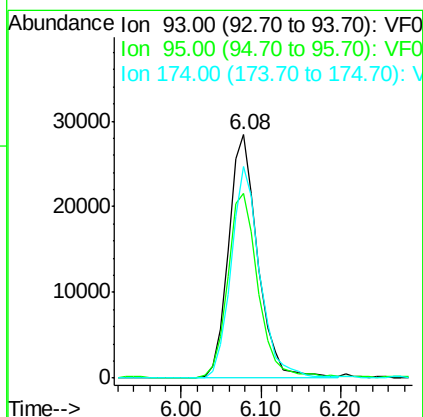
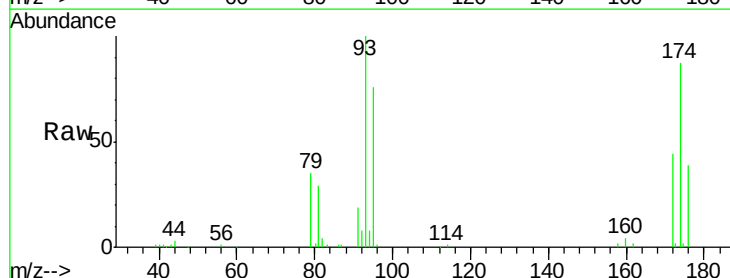
Tgt Ion: 93 Resp: 73057

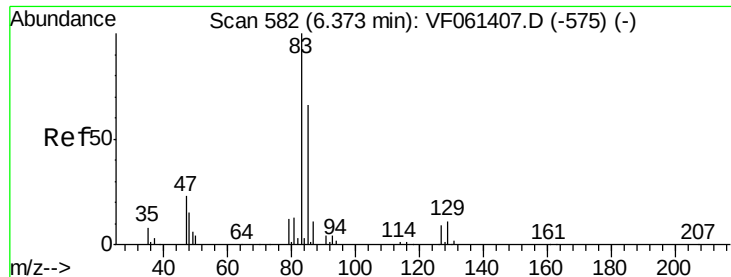
Ion Ratio Lower Upper

93 100

95 75.8 62.1 93.1

174 89.2 74.6 111.8





#47

Bromodichloromethane

Concen: 58.485 ug/l

RT: 6.37 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

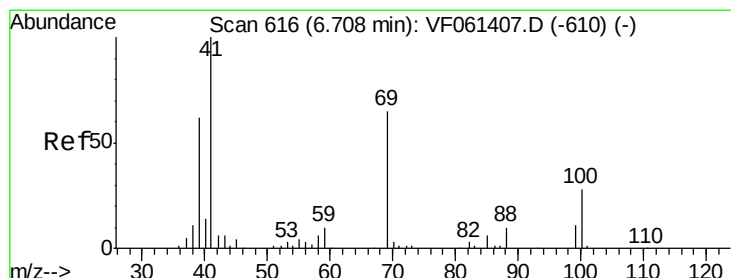
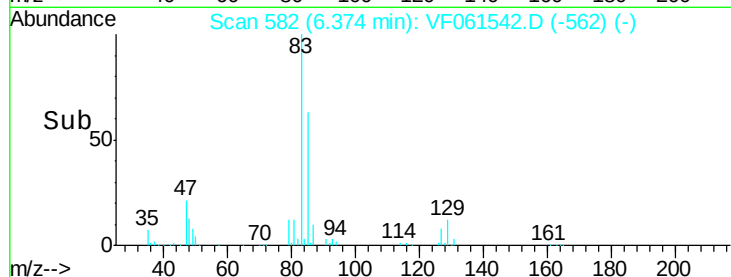
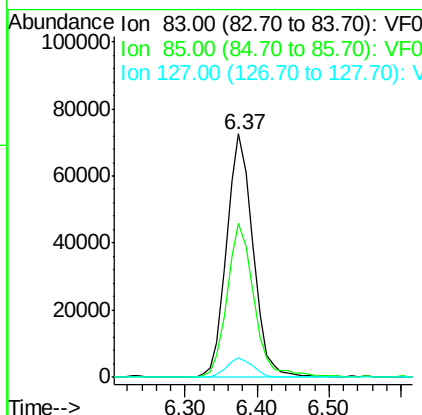
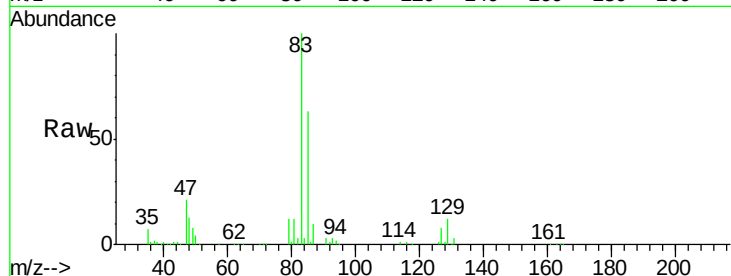
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 185694 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.0  | 53.0  | 79.4   |
| 127       | 8.2   | 6.9   | 10.3   |

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#48

Methyl methacrylate

Concen: 56.213 ug/l

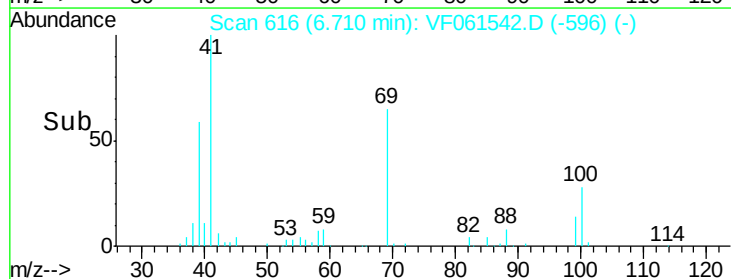
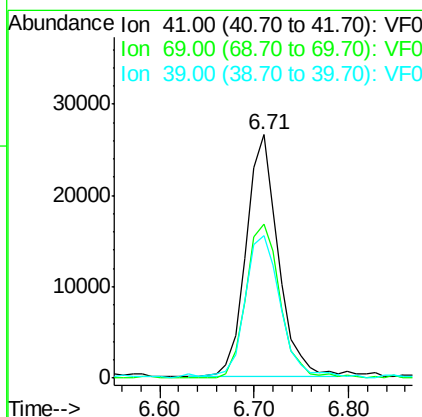
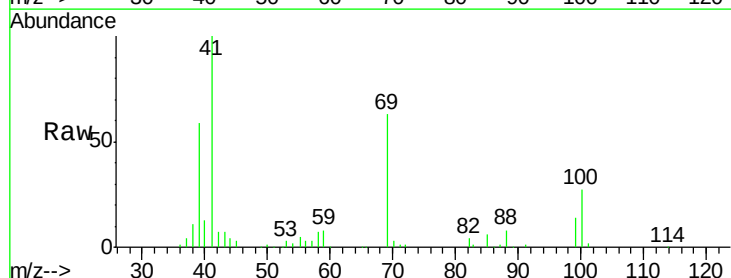
RT: 6.71 min Scan# 616

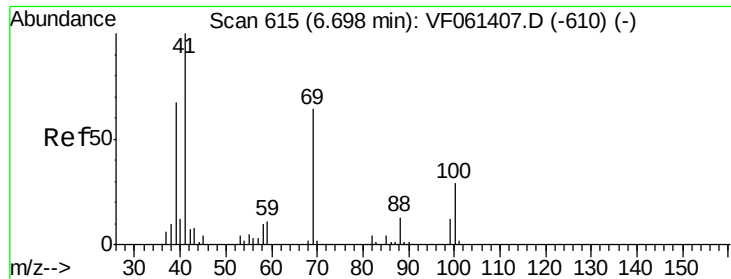
Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 62582 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 63.4  | 51.7  | 77.5  |
| 39        | 58.5  | 49.2  | 73.8  |





#49

1,4-Dioxane

Concen: 1146.260 ug/l

RT: 6.70 min Scan# 615

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

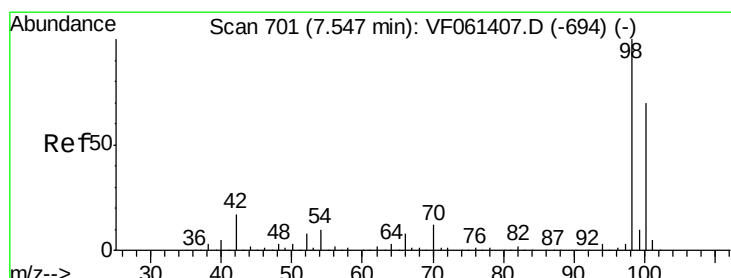
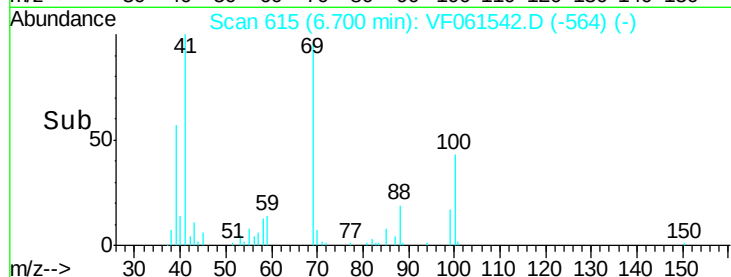
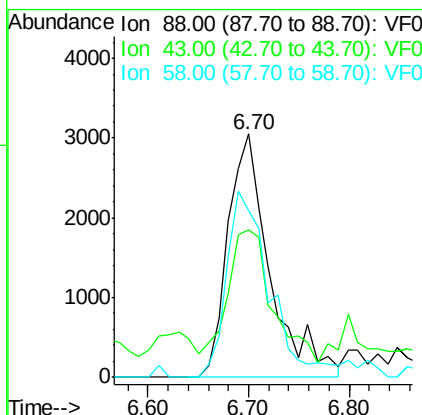
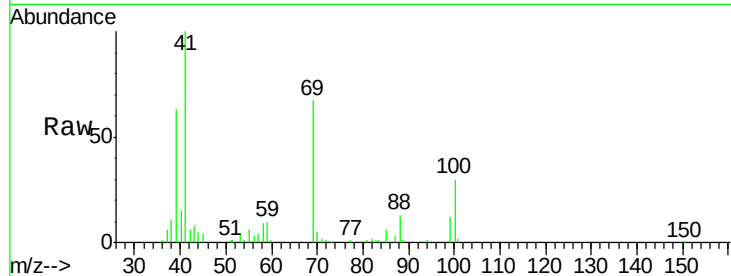
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 8829  |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 60.6  | 55.5  | 83.3  |
| 58       | 68.7  | 59.9  | 89.9  |

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#50

Toluene-d8

Concen: 52.602 ug/l

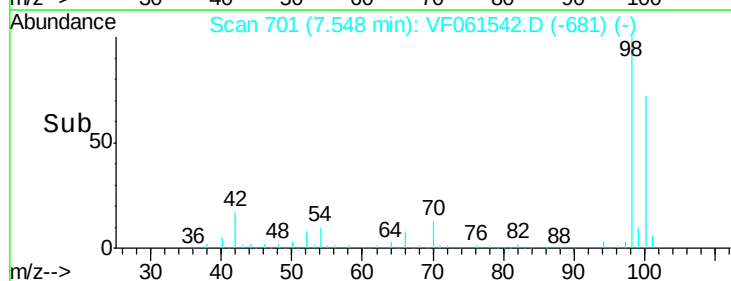
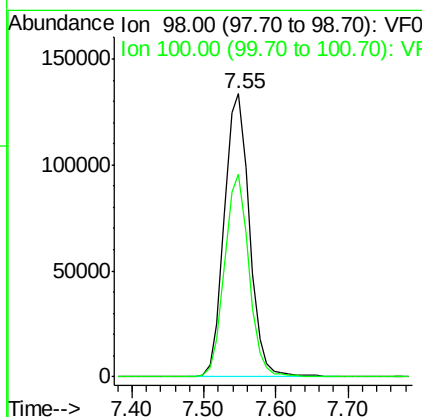
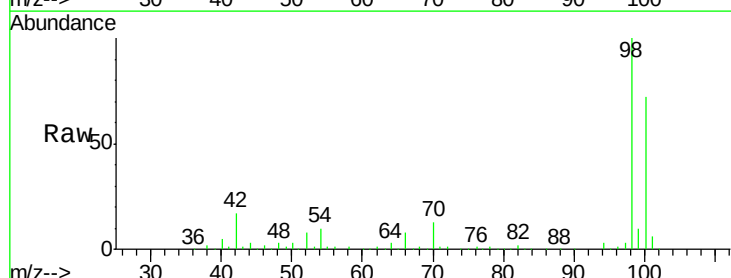
RT: 7.55 min Scan# 701

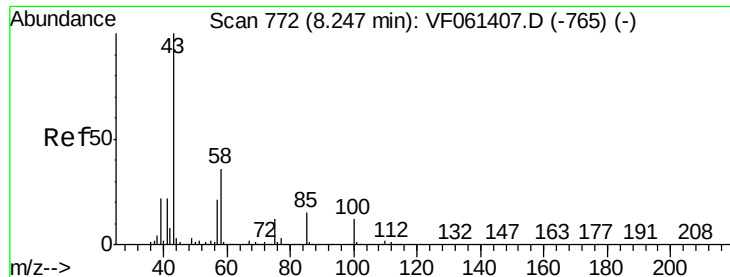
Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 324135 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 71.5  | 55.6  | 83.4   |





#51

4-Methyl-2-Pentanone

Concen: 275.570 ug/l

RT: 8.25 min Scan# 772

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 335874

Ion Ratio Lower Upper

43 100

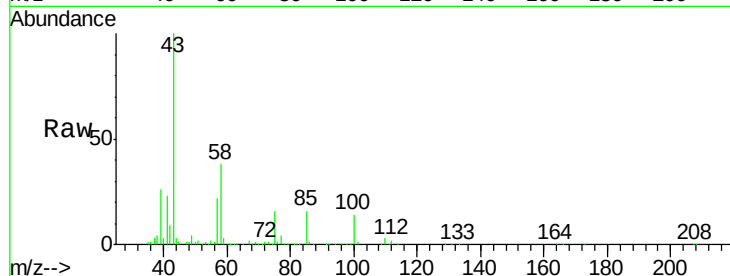
58 37.5 28.8 43.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.25

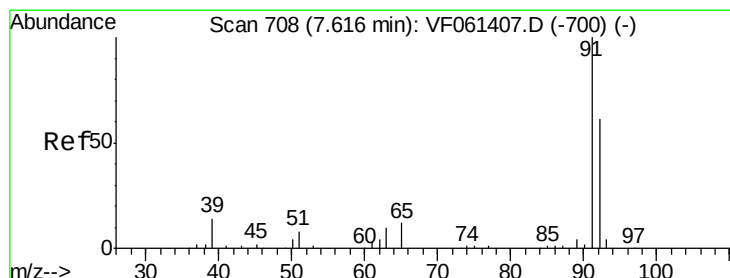
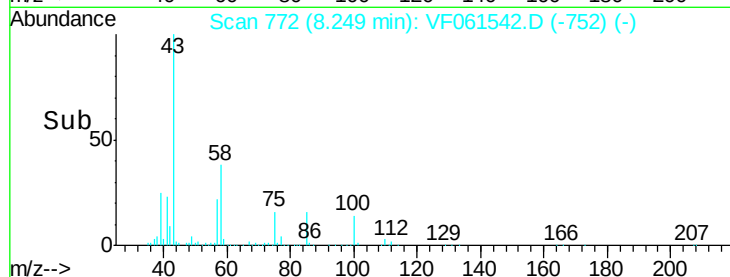
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 51.581 ug/l

RT: 7.62 min Scan# 708

Delta R.T. 0.00 min

Lab File: VF061542.D

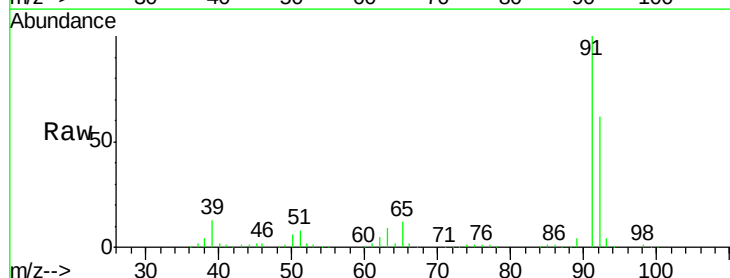
Acq: 7 Feb 2019 13:28

Tgt Ion: 92 Resp: 249780

Ion Ratio Lower Upper

92 100

91 160.8 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.62

200000

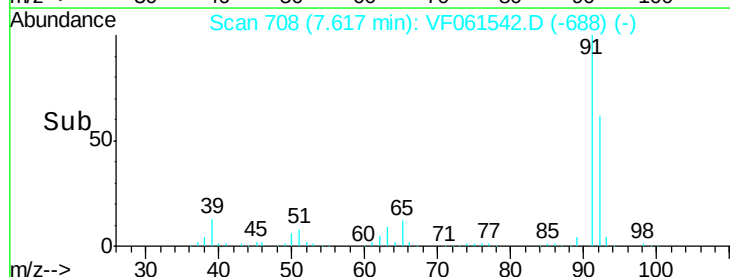
150000

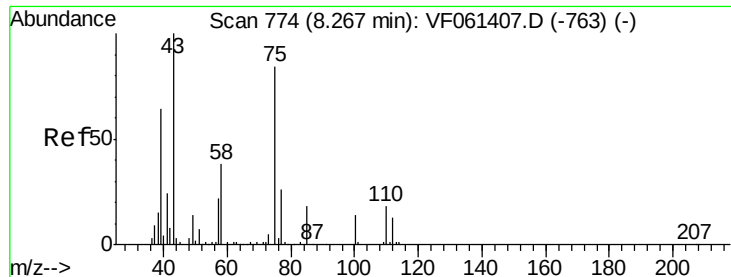
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 55.020 ug/l

RT: 8.27 min Scan# 774

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 138718

Ion Ratio Lower Upper

75 100

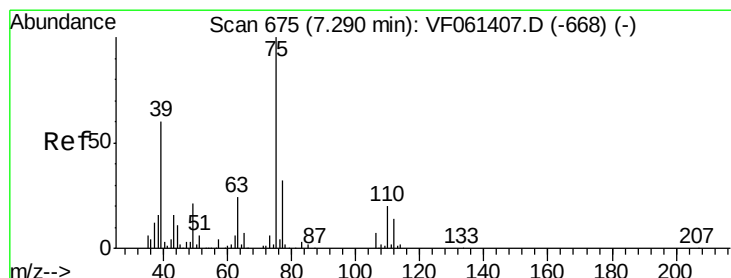
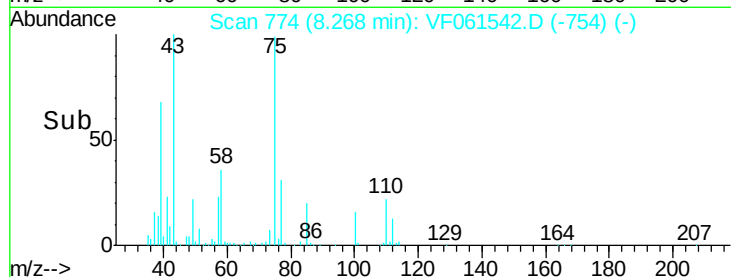
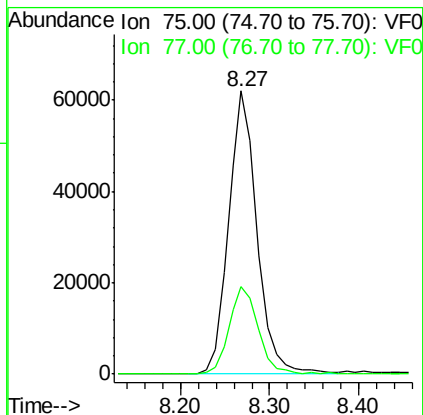
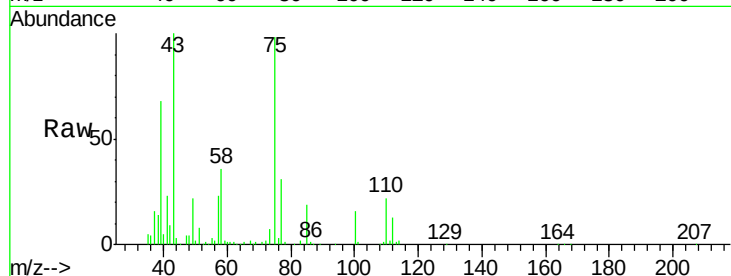
77 31.1 24.4 36.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 56.878 ug/l

RT: 7.29 min Scan# 675

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

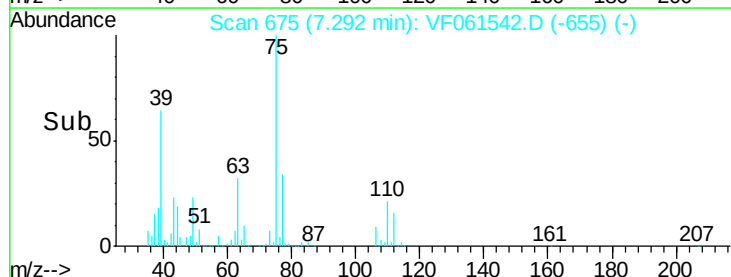
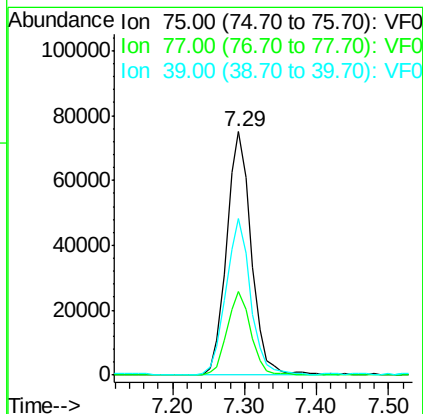
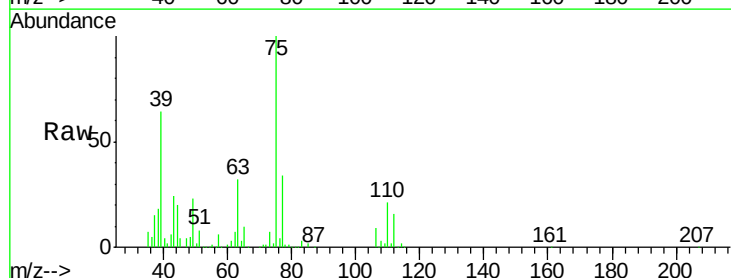
Tgt Ion: 75 Resp: 179249

Ion Ratio Lower Upper

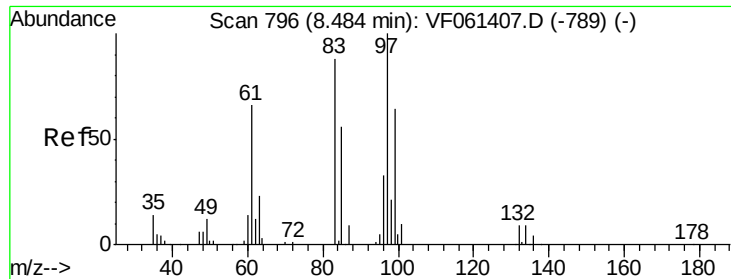
75 100

77 34.2 25.4 38.0

39 64.5 47.8 71.8







#55

1,1,2-Trichloroethane

Concen: 58.551 ug/l

RT: 8.49 min Scan# 796

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

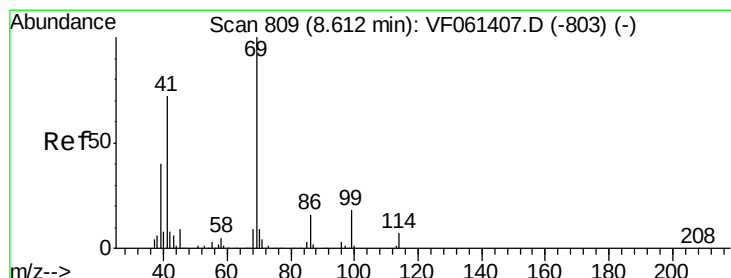
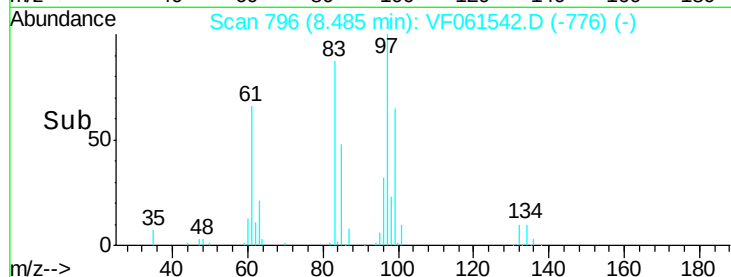
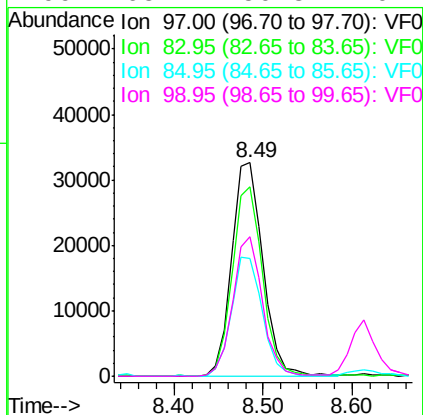
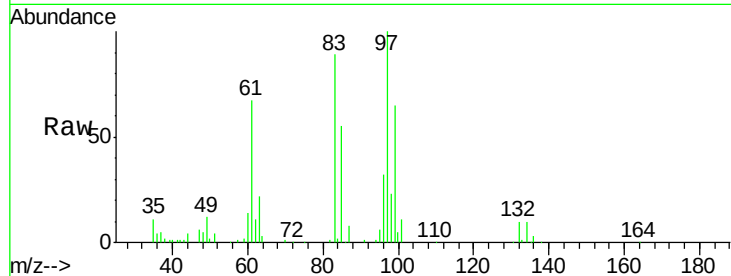
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 80515 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 88.9  | 70.4  | 105.6 |
| 85       | 55.1  | 44.7  | 67.1  |
| 99       | 65.4  | 50.8  | 76.2  |

Manual Integrations  
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2/11/2019 12:35:46 PM



#56

Ethyl methacrylate

Concen: 55.419 ug/l

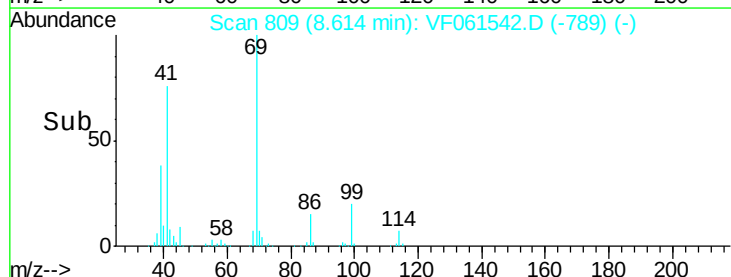
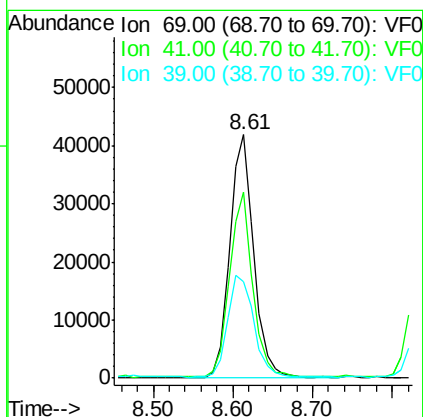
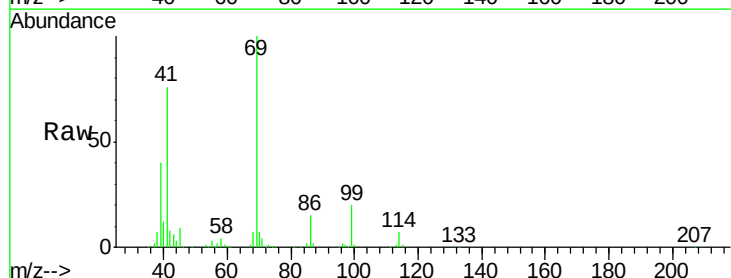
RT: 8.61 min Scan# 809

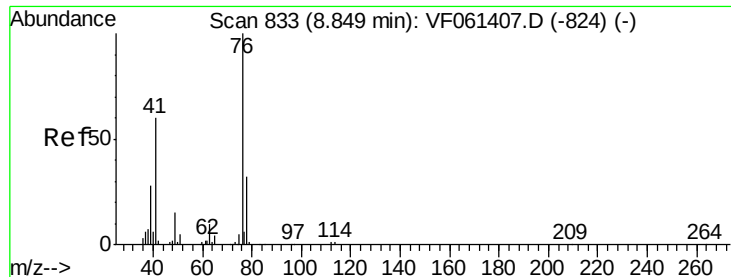
Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 88663 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 76.2  | 57.5  | 86.3  |
| 39       | 39.7  | 32.0  | 48.0  |





#57

1,3-Dichloropropane

Concen: 52.036 ug/l

RT: 8.84 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 134123

Ion Ratio Lower Upper

76 100

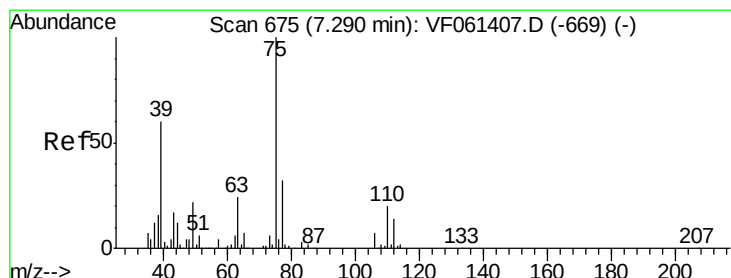
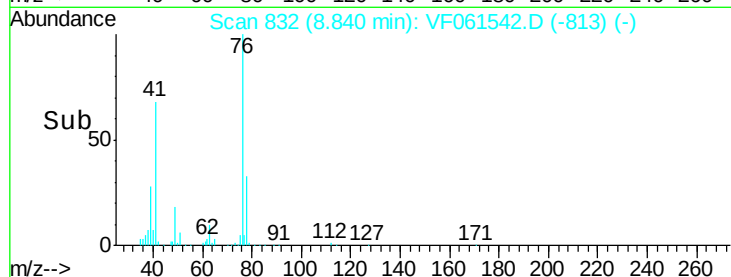
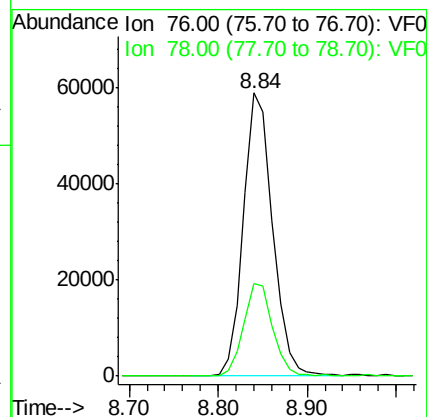
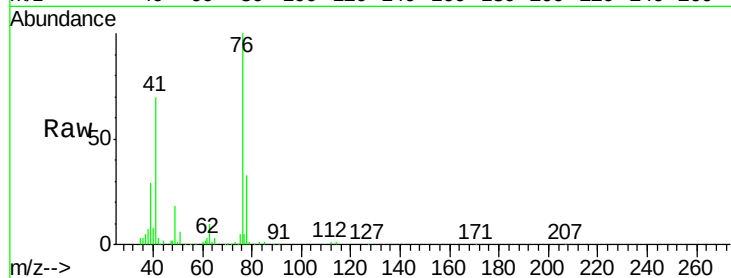
78 32.6 25.3 37.9

Manual Integrations

APPROVED

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#58

2-Chloroethyl Vinyl ether

Concen: 337.578 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061542.D

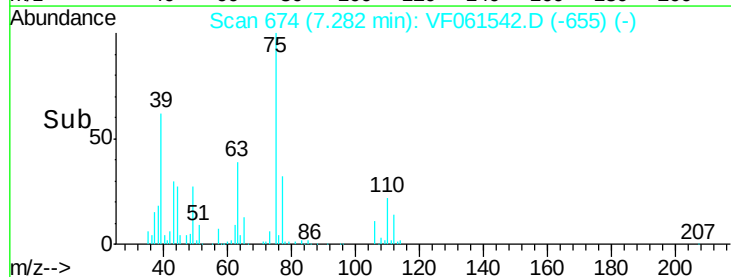
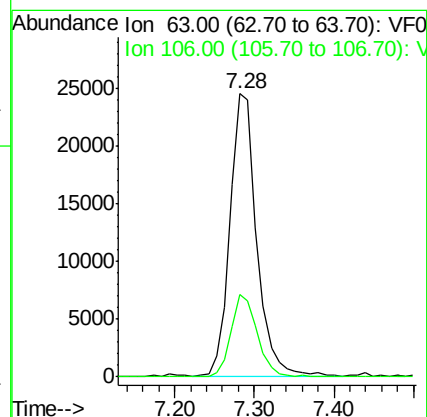
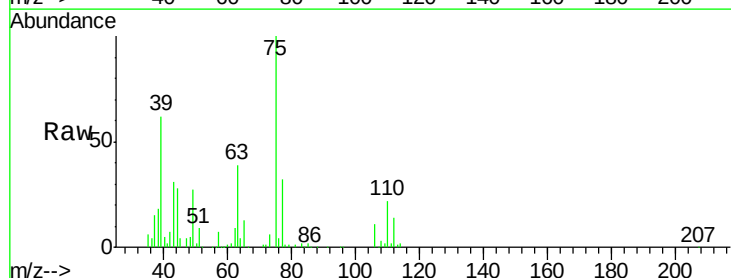
Acq: 7 Feb 2019 13:28

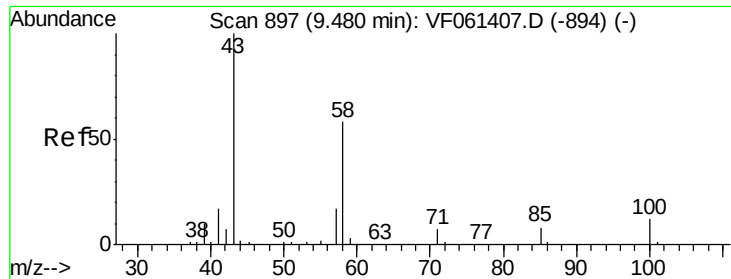
Tgt Ion: 63 Resp: 58451

Ion Ratio Lower Upper

63 100

106 29.0 21.9 32.9





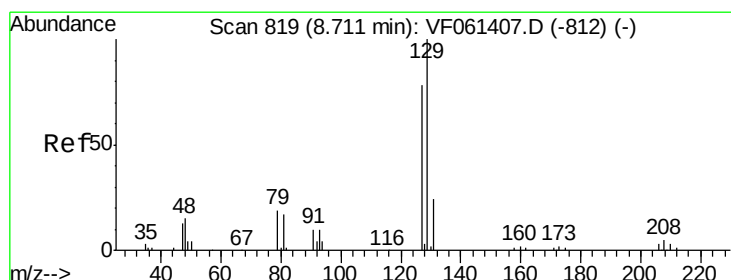
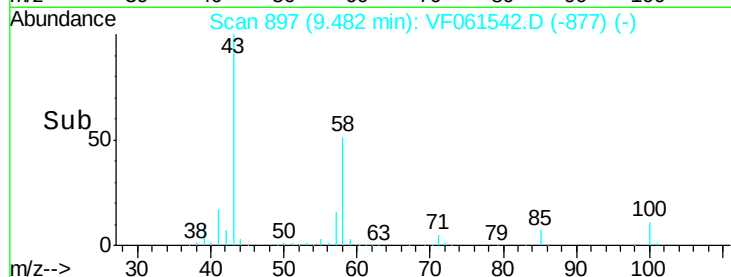
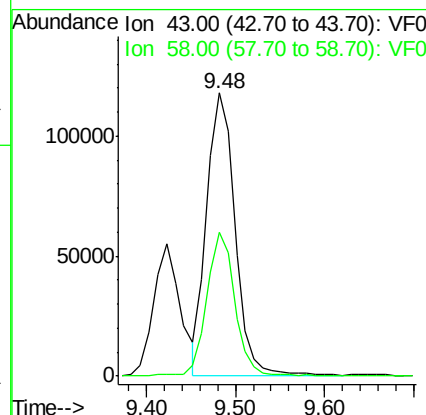
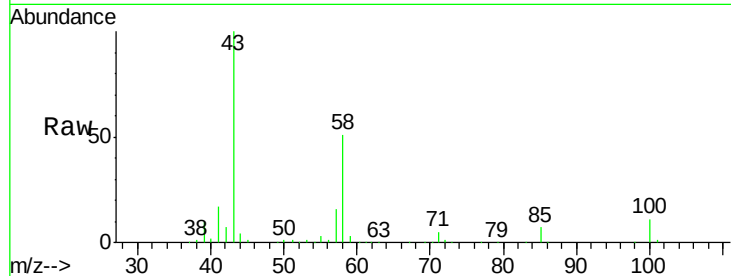
#59  
2-Hexanone  
Concen: 304.602 ug/l  
RT: 9.48 min Scan# 897  
Delta R.T. 0.00 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 258886  
Ion Ratio Lower Upper  
43 100  
58 50.7 25.9 77.6

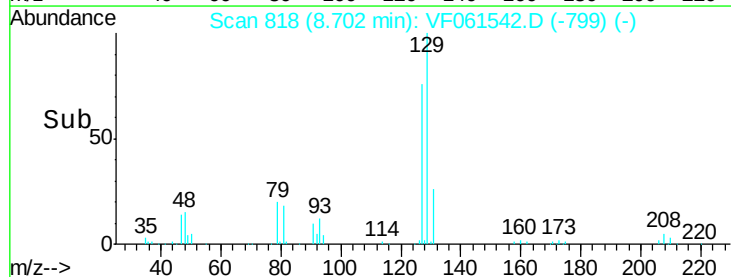
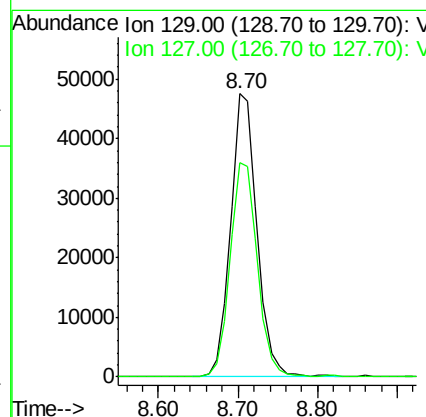
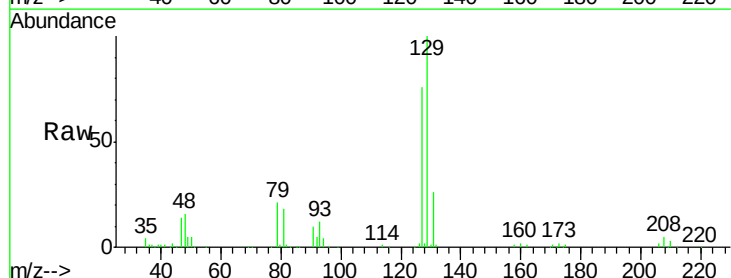
Manual Integrations  
APPROVED

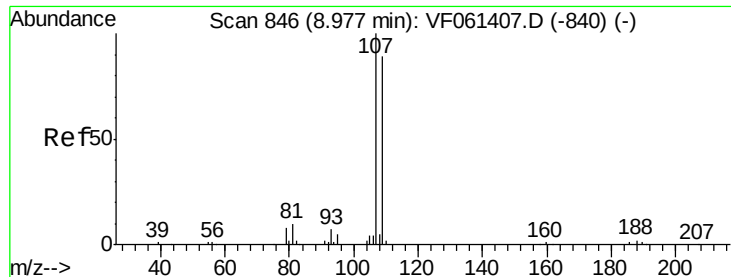
MMDadoda  
2/11/2019 12:35:46 PM



#60  
Dibromochloromethane  
Concen: 55.143 ug/l  
RT: 8.70 min Scan# 818  
Delta R.T. -0.01 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

Tgt Ion: 129 Resp: 110858  
Ion Ratio Lower Upper  
129 100  
127 75.6 39.1 117.2





#61

1,2-Dibromoethane

Concen: 54.162 ug/l

RT: 8.98 min Scan# 846

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 85263

Ion Ratio Lower Upper

107 100

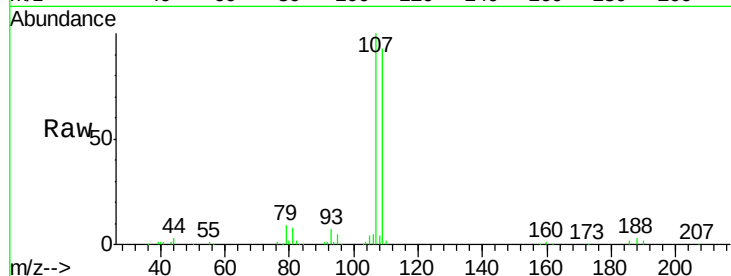
109 93.1 70.8 106.2

Manual Integrations

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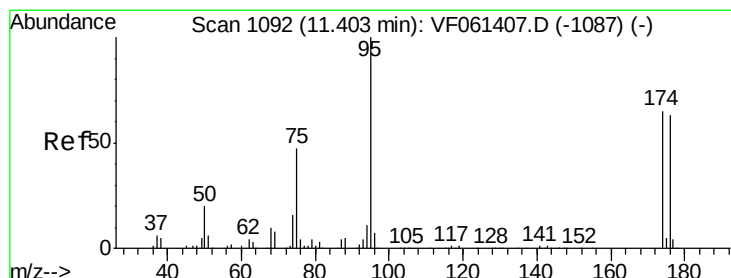
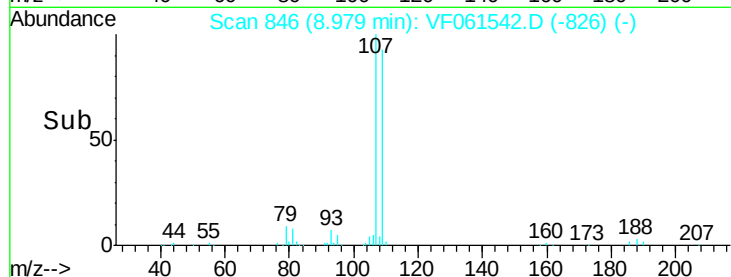
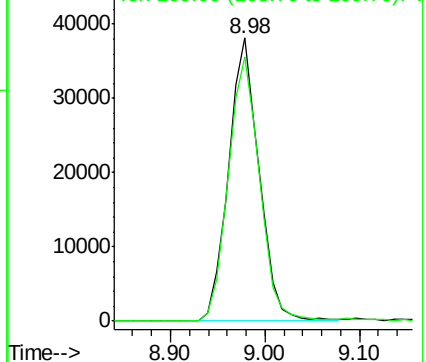
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.692 ug/l

RT: 11.41 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

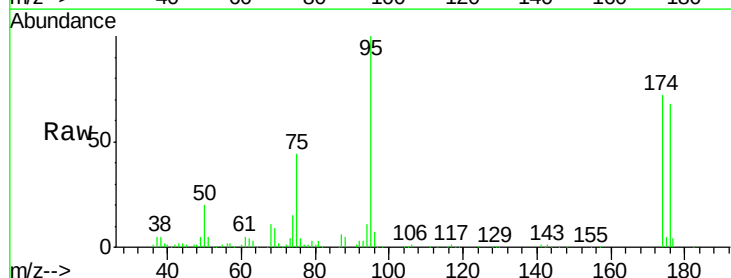
Tgt Ion: 95 Resp: 140186

Ion Ratio Lower Upper

95 100

174 71.5 0.0 130.4

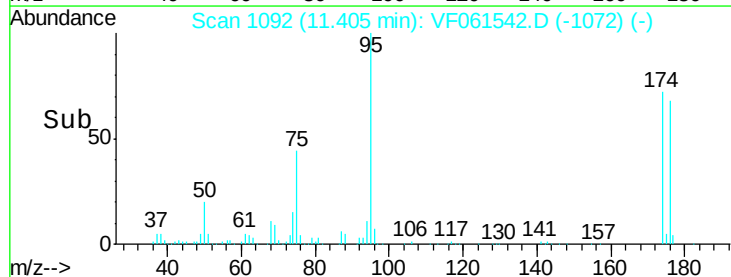
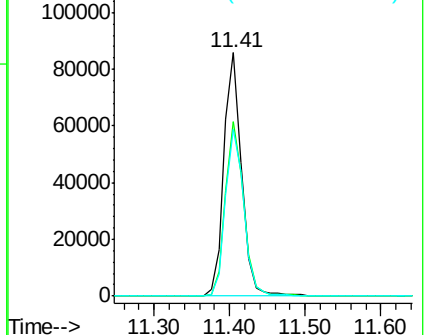
176 68.4 0.0 126.2

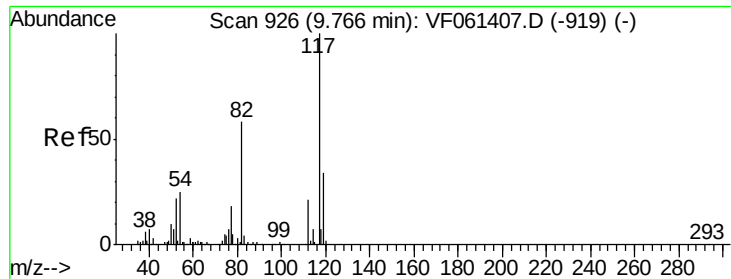


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





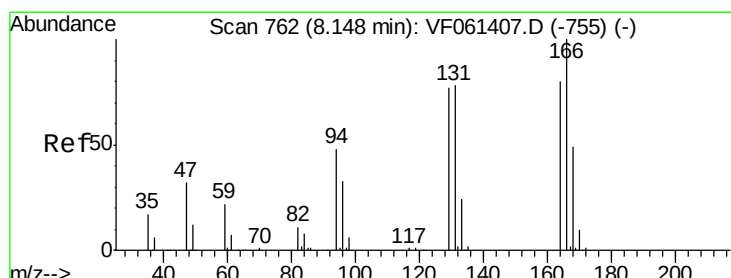
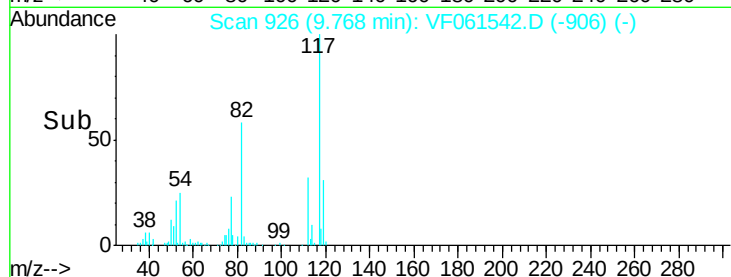
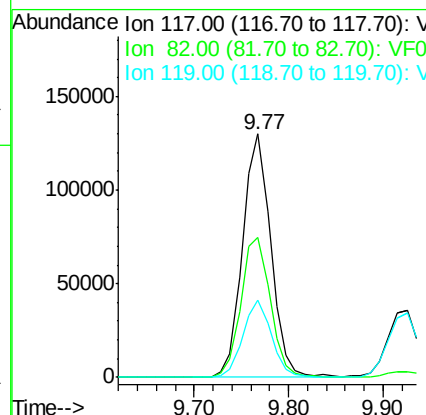
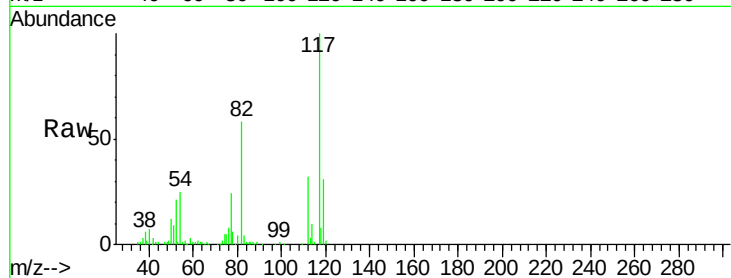
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.77 min Scan# 926  
Delta R.T. 0.00 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 57.5  | 46.4  | 69.6  |
| 119     | 31.5  | 27.2  | 40.8  |

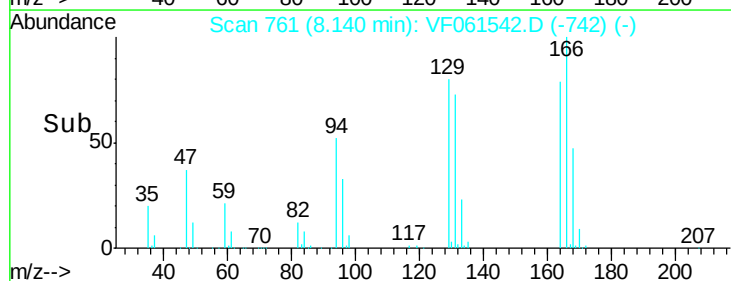
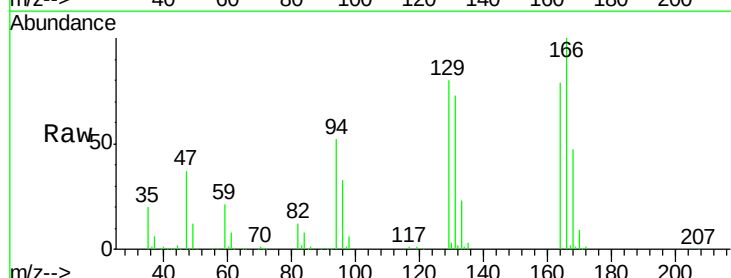
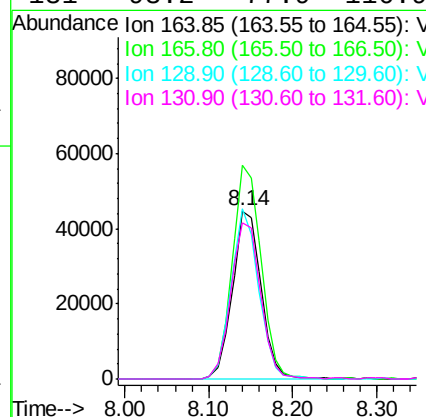
Manual Integrations  
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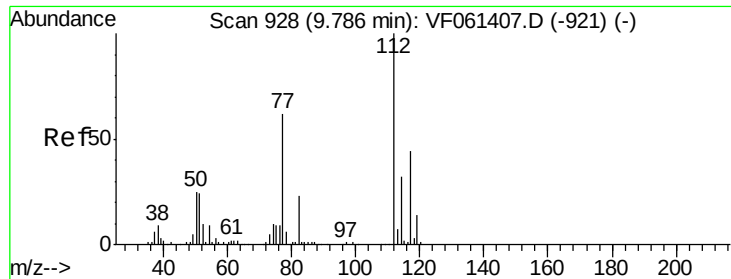
MMDadoda  
2/11/2019 12:35:46 PM



#64  
Tetrachloroethene  
Concen: 52.193 ug/l  
RT: 8.14 min Scan# 761  
Delta R.T. -0.01 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.3 | 99.6  | 149.4 |
| 129     | 101.6 | 76.4  | 114.6 |
| 131     | 93.2  | 77.9  | 116.9 |





#65

Chlorobenzene

Concen: 48.721 ug/l

RT: 9.79 min Scan# 928

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 267088

Ion Ratio Lower Upper

112 100

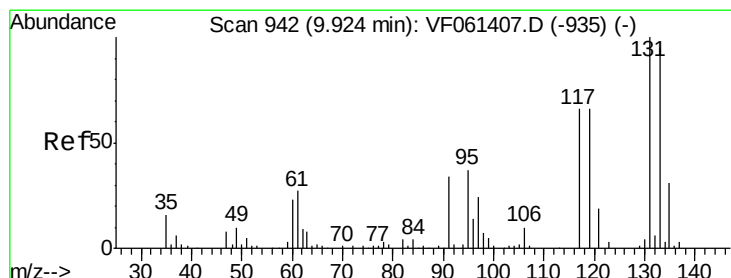
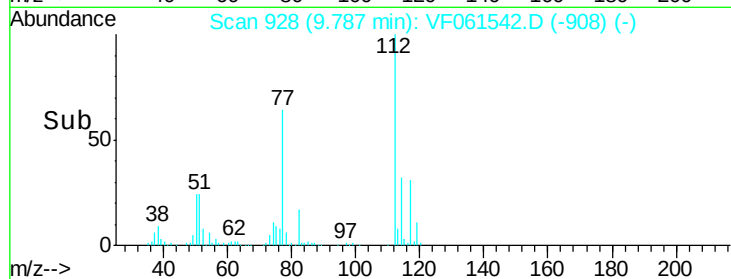
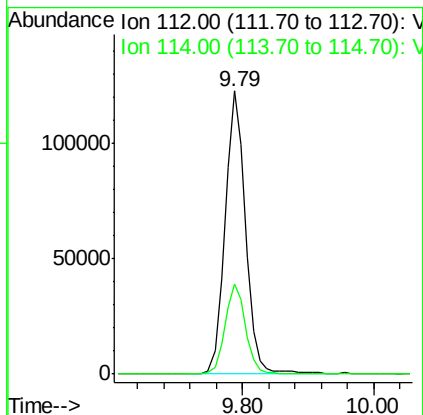
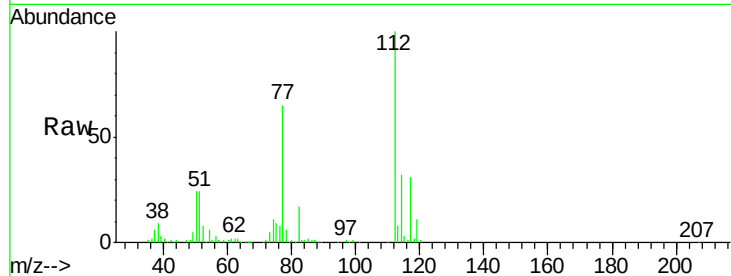
114 32.0 25.4 38.0

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 52.312 ug/l

RT: 9.93 min Scan# 942

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

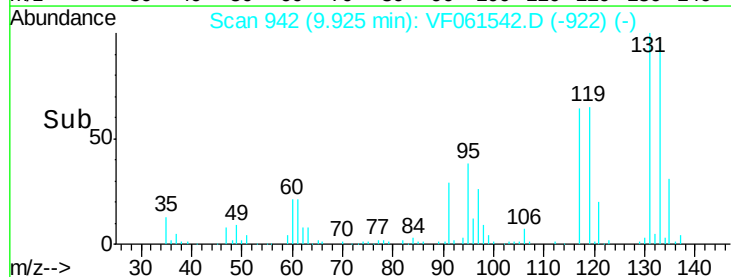
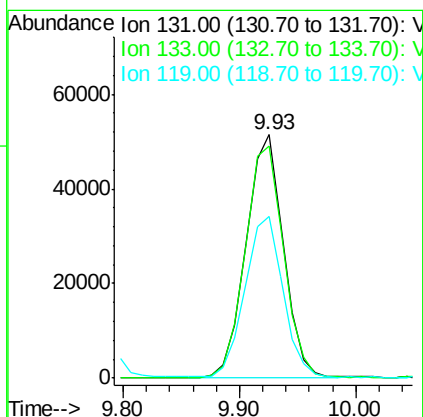
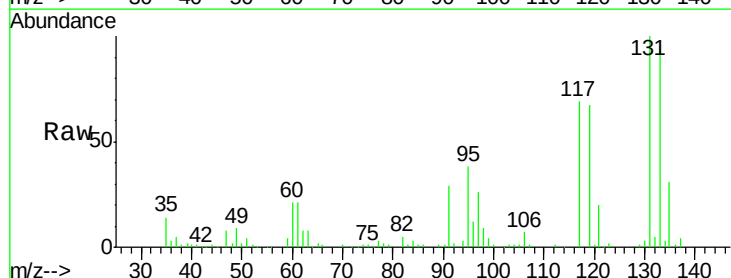
Tgt Ion:131 Resp: 114241

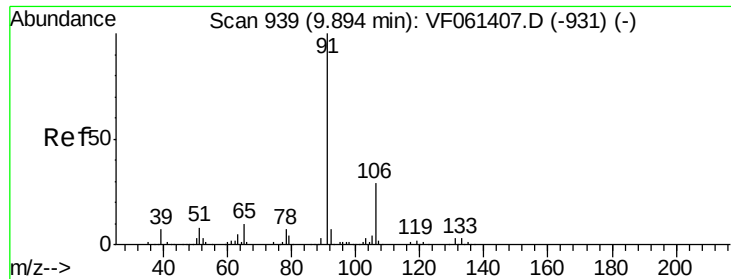
Ion Ratio Lower Upper

131 100

133 95.2 47.4 142.2

119 66.7 33.1 99.3





#67

Ethyl Benzene

Concen: 49.898 ug/l

RT: 9.89 min Scan# 938

Delta R.T. -0.01 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 499779

Ion Ratio Lower Upper

91 100

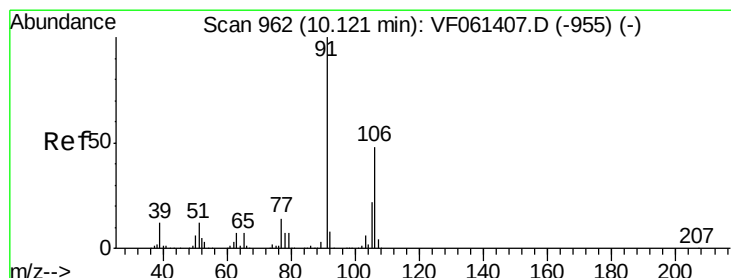
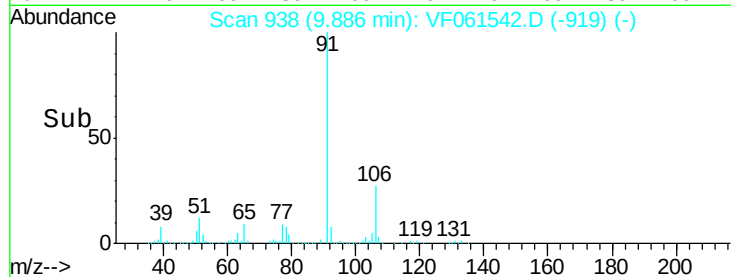
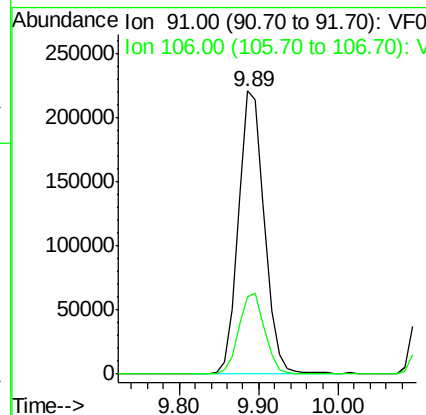
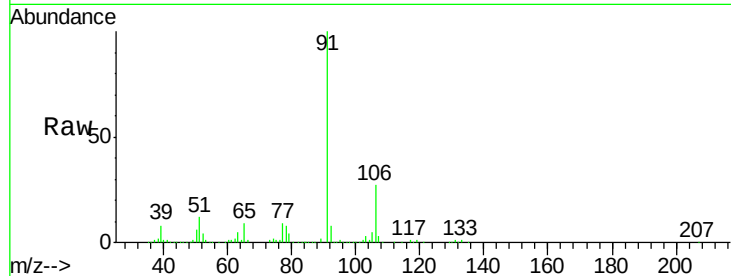
106 27.3 23.1 34.7

Manual Integrations

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2/11/2019 12:35:46 PM



#68

m/p-Xylenes

Concen: 97.376 ug/l

RT: 10.12 min Scan# 962

Delta R.T. 0.00 min

Lab File: VF061542.D

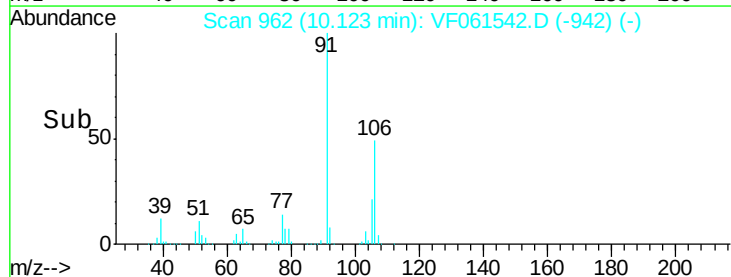
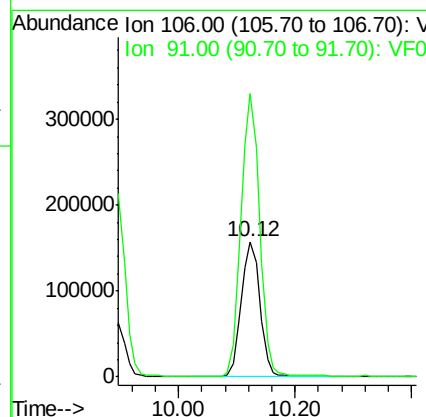
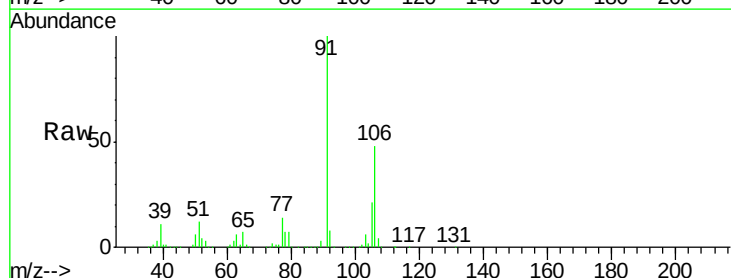
Acq: 7 Feb 2019 13:28

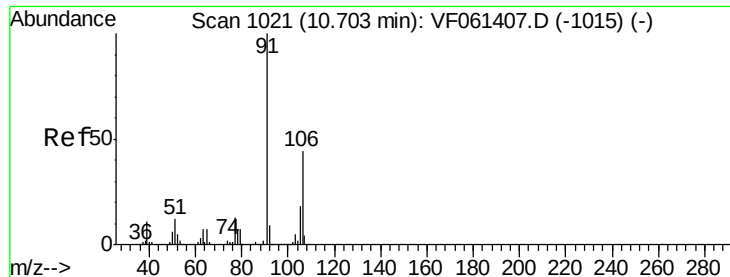
Tgt Ion: 106 Resp: 350787

Ion Ratio Lower Upper

106 100

91 209.6 166.2 249.4





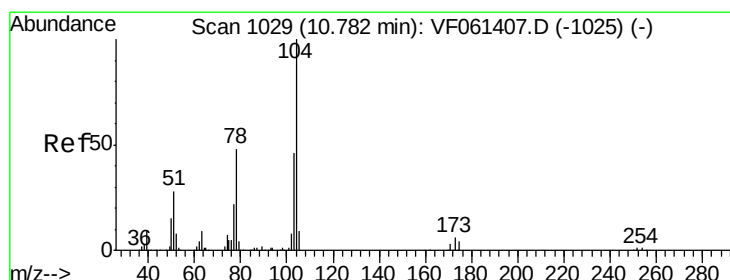
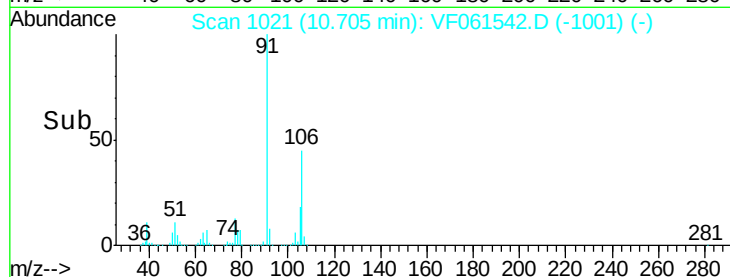
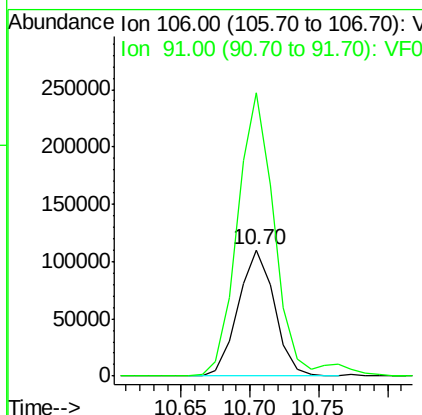
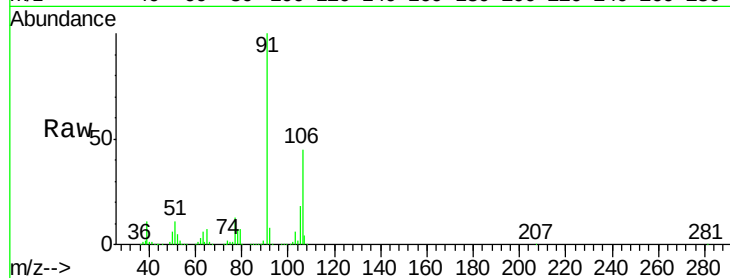
#69  
o-Xylene  
Concen: 52.019 ug/l  
RT: 10.70 min Scan# 1021  
Delta R.T. 0.00 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       |        |       |       |
| 91      | 223.9 | 113.3 | 203099 | 339.8 |       |

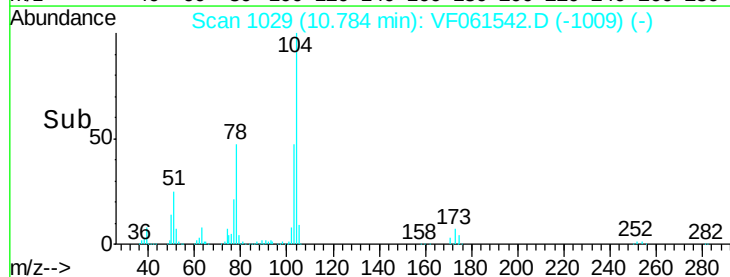
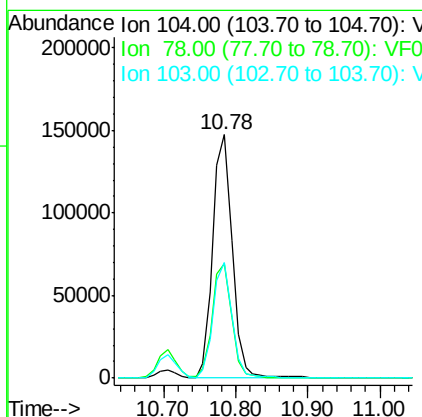
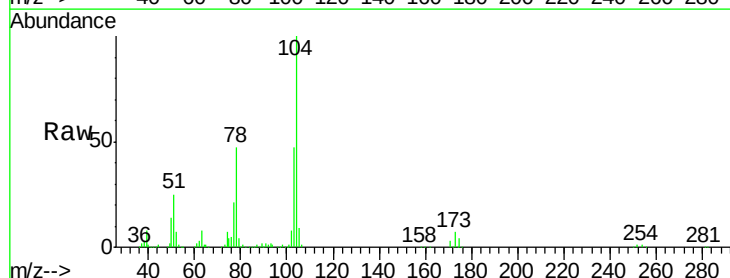
Manual Integrations  
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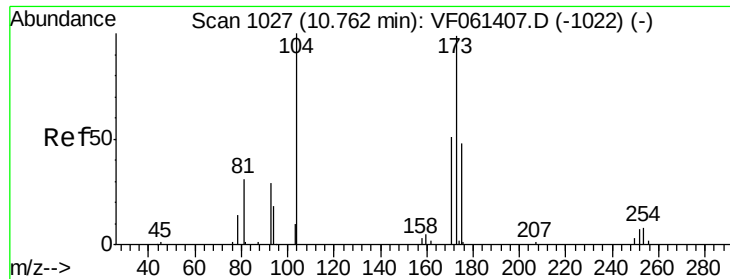


#70  
Styrene  
Concen: 51.043 ug/l  
RT: 10.78 min Scan# 1029  
Delta R.T. 0.00 min  
Lab File: VF061542.D  
Acq: 7 Feb 2019 13:28

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       |        |       |       |
| 78      | 47.2 | 38.8  | 272795 | 58.2  |       |
| 103     | 47.3 | 37.0  | 55.6   |       |       |







#71

Bromoform

Concen: 60.444 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 59309

Ion Ratio Lower Upper

173 100

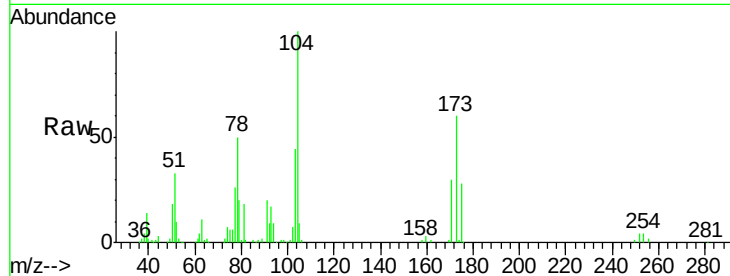
175 46.5 24.1 72.4

254 6.3 0.0 0.0#

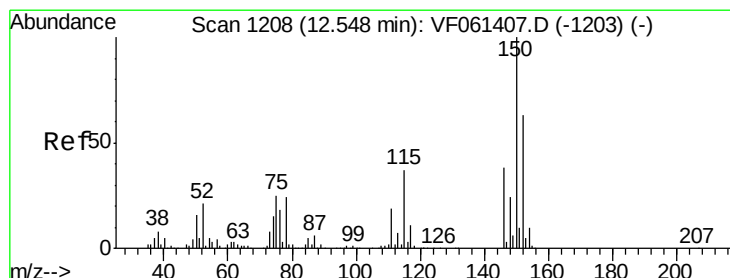
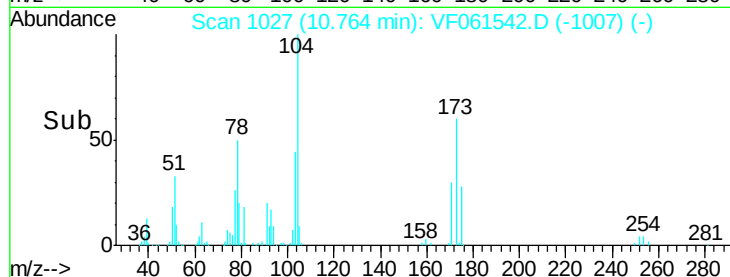
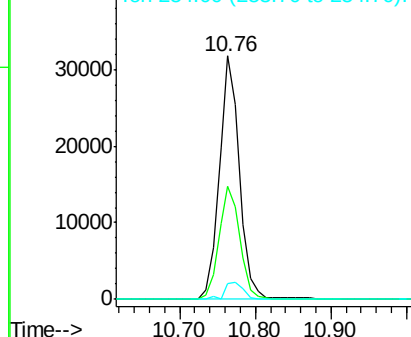
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Abundance Ion 173.00 (172.70 to 173.70): V  
Ion 175.00 (174.70 to 175.70): V  
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

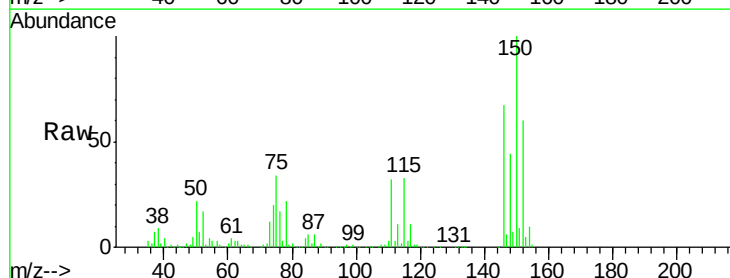
Tgt Ion:152 Resp: 138722

Ion Ratio Lower Upper

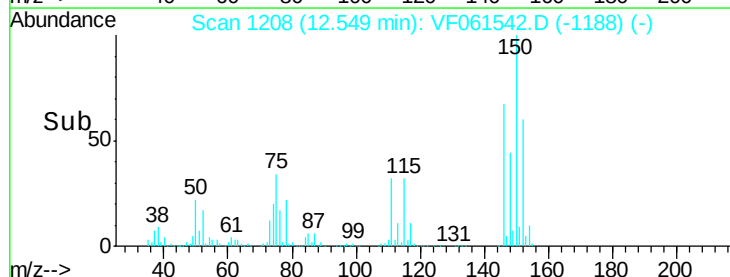
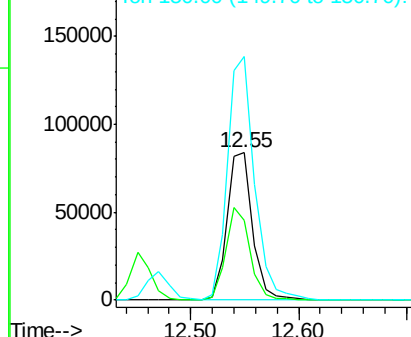
152 100

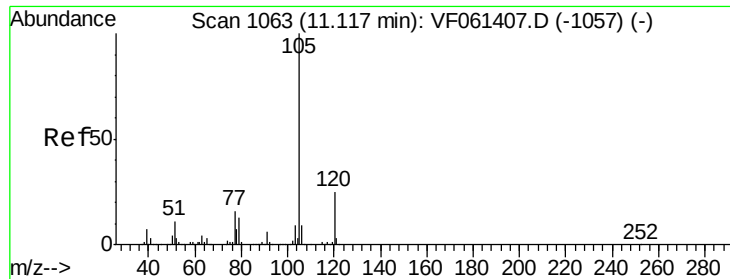
115 53.8 30.0 90.0

150 165.4 0.0 321.4



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: 53.337 ug/l

RT: 11.12 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 601776

Ion Ratio Lower Upper

105 100

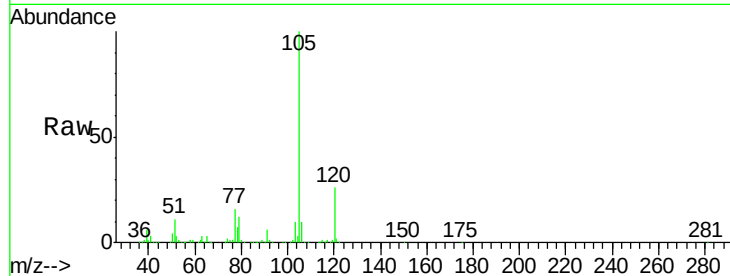
120 25.6 12.6 37.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.12

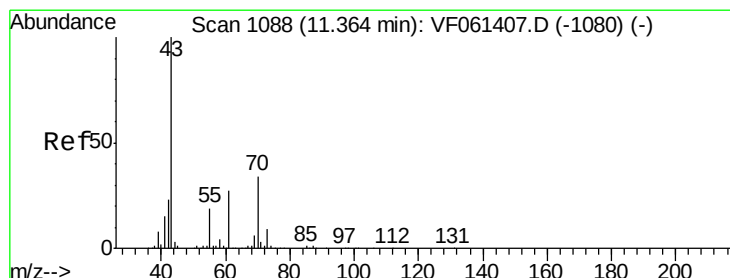
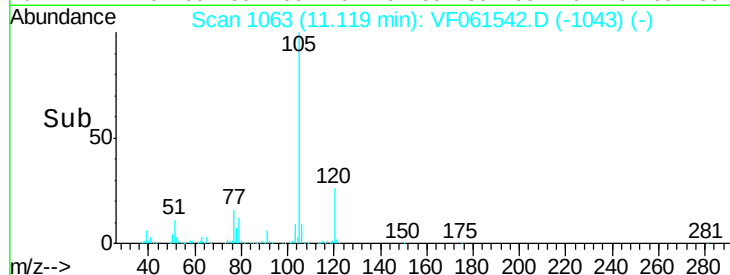
300000

200000

100000

0

Time--> 11.00 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 55.223 ug/l

RT: 11.37 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Tgt Ion: 43 Resp: 147329

Ion Ratio Lower Upper

43 100

70 36.2 27.6 41.4

55 19.5 15.4 23.2

61 25.1 21.8 32.6

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

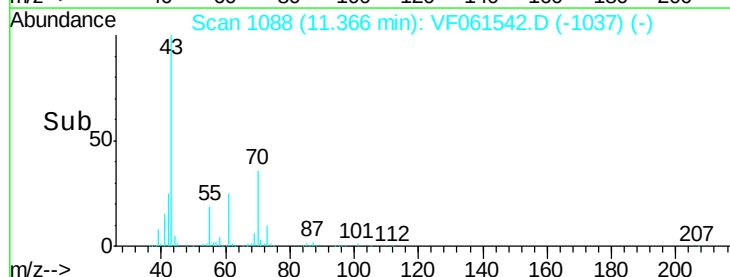
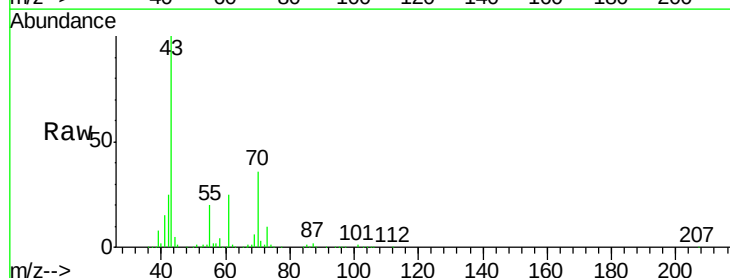
11.37

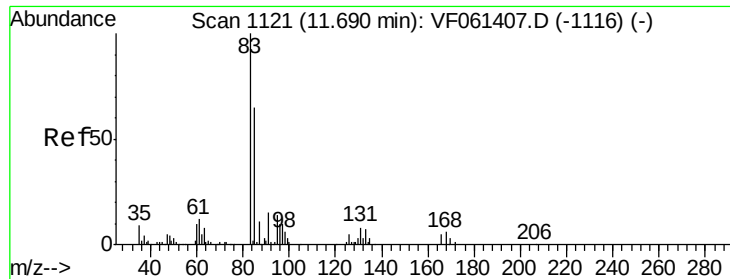
100000

50000

0

Time--> 11.20 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 49.838 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

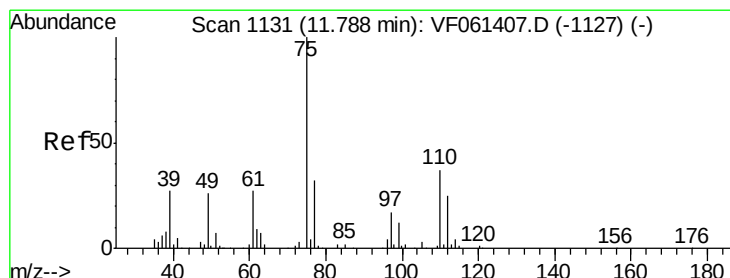
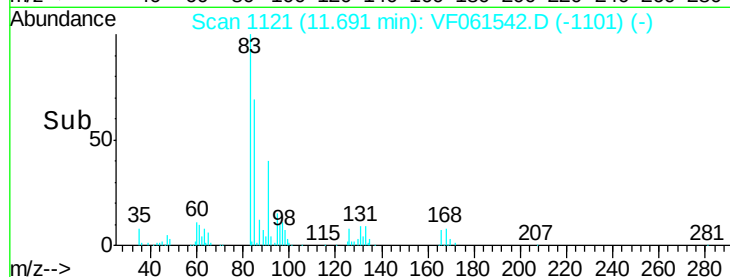
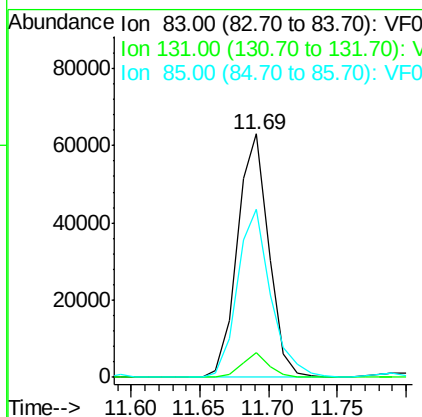
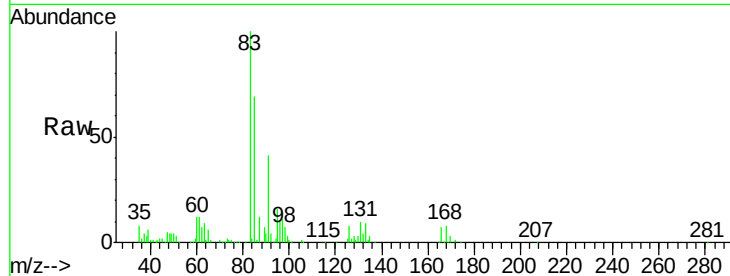
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 100171 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.4  | 4.0   | 12.2   |
| 85        | 68.8  | 32.7  | 98.1   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 49.783 ug/l

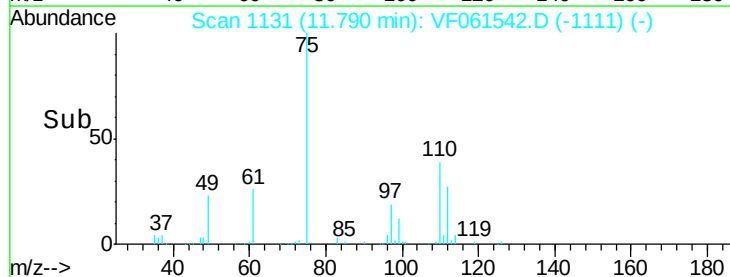
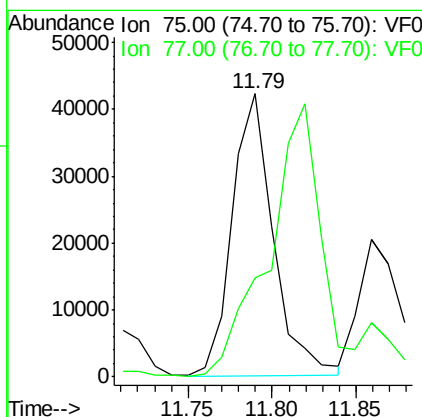
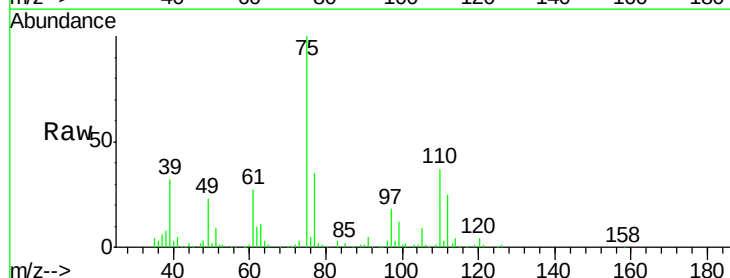
RT: 11.79 min Scan# 1131

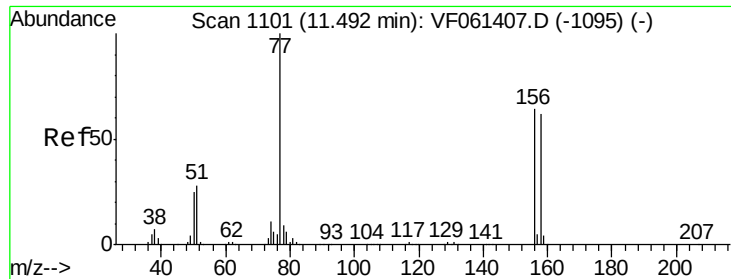
Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 71899 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 34.9  | 16.1  | 48.3  |





#77

Bromobenzene

Concen: 53.178 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

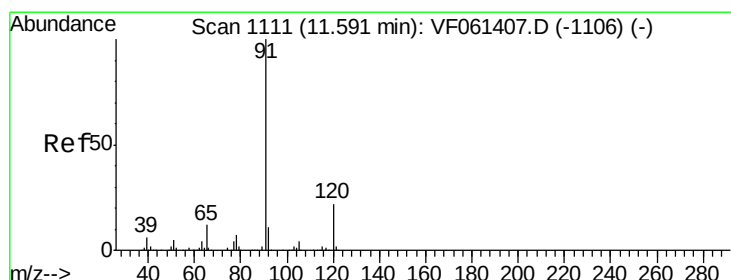
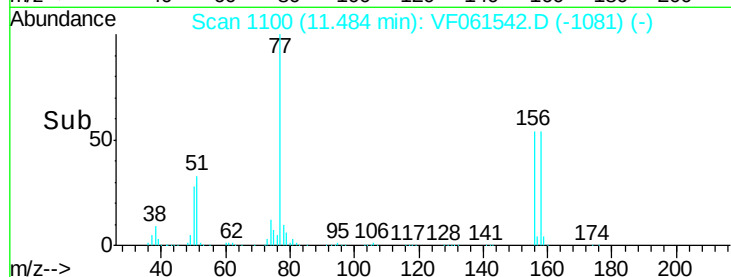
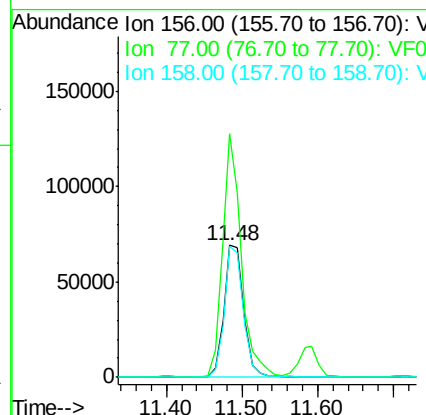
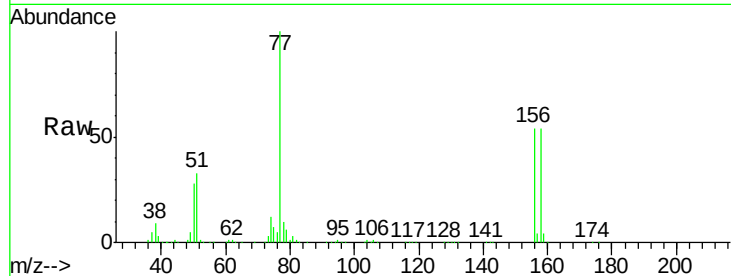
ClientSampleId :

VSTDCCC050

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 156     | 100   |       | 126710 |       |       |
| 77      | 184.9 | 78.3  | 234.9  |       |       |
| 158     | 99.5  | 48.9  | 146.7  |       |       |

Manual Integrations  
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#78

n-propylbenzene

Concen: 48.324 ug/l

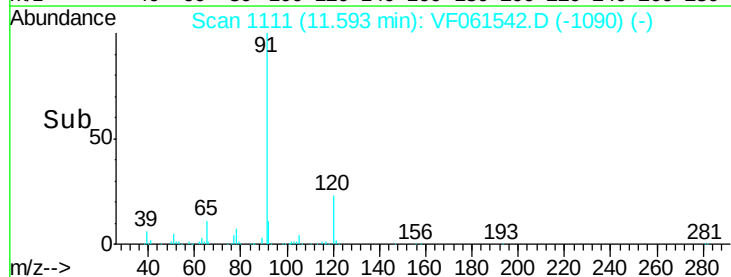
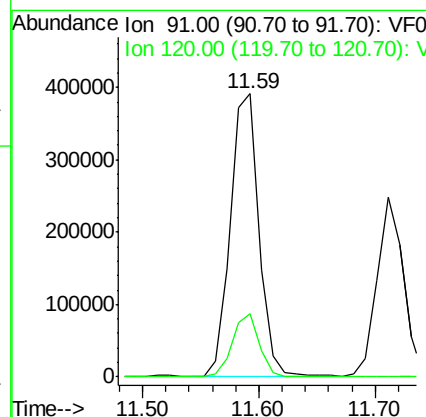
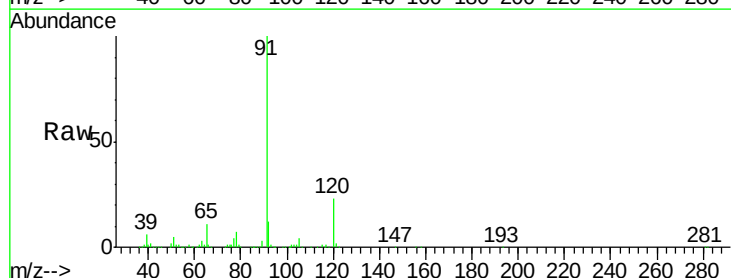
RT: 11.59 min Scan# 1111

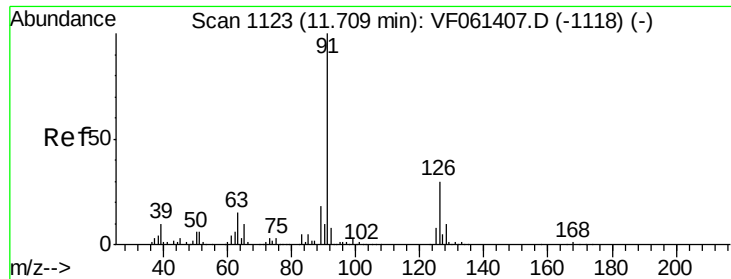
Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 666808 |       |       |
| 120     | 22.6 | 10.9  | 32.6   |       |       |





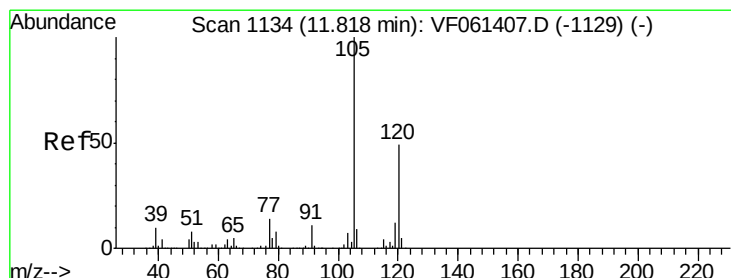
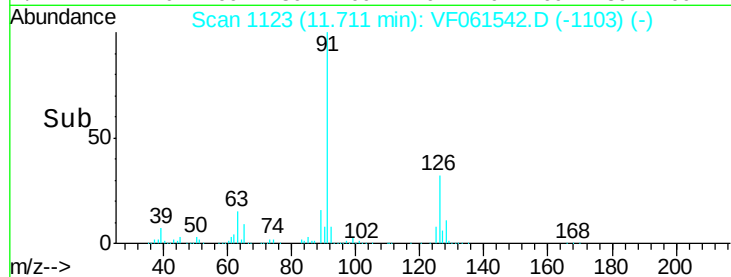
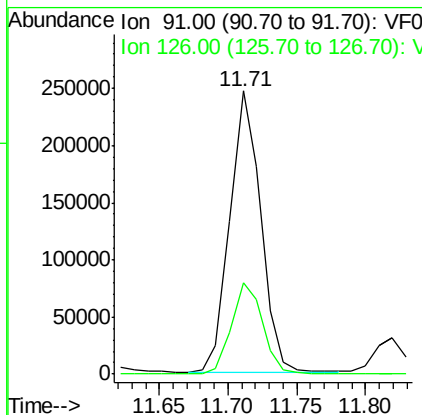
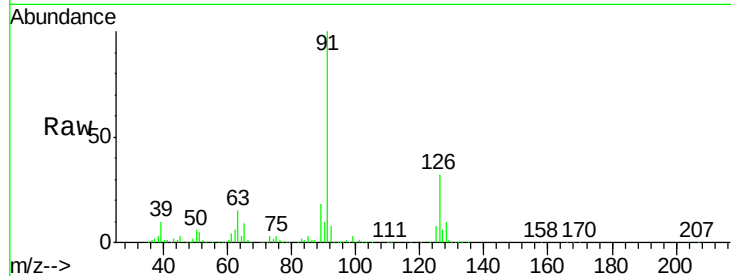
#79  
 2-Chlorotoluene  
 Concen: 49.358 ug/l  
 RT: 11.71 min Scan# 1123  
 Delta R.T. 0.00 min  
 Lab File: VF061542.D  
 Acq: 7 Feb 2019 13:28

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 91 Resp: 386389  
 Ion Ratio Lower Upper  
 91 100  
 126 32.2 15.0 45.1

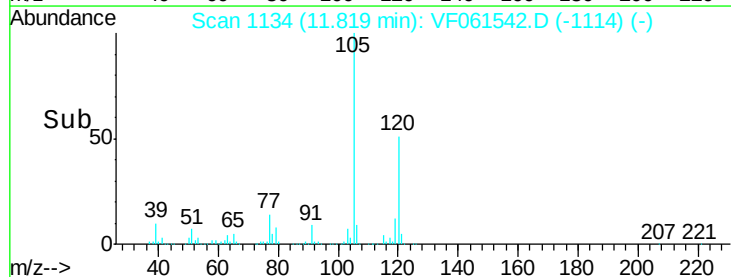
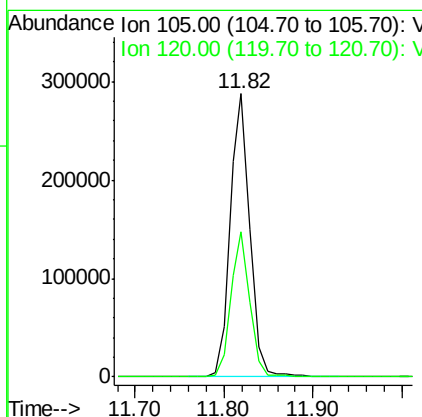
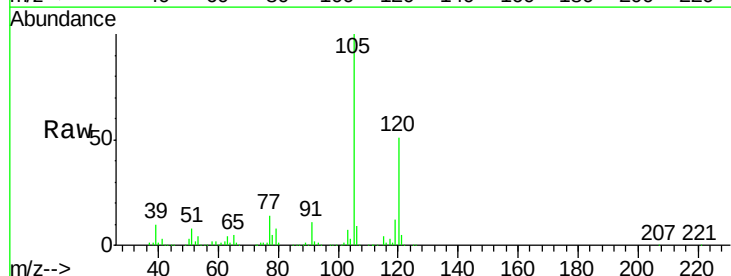
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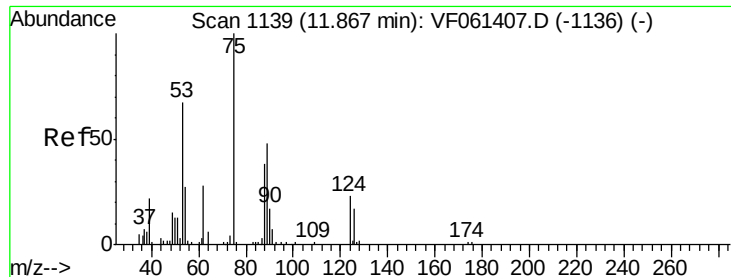
MMDadoda  
 2/11/2019 12:35:46 PM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 49.260 ug/l  
 RT: 11.82 min Scan# 1134  
 Delta R.T. 0.00 min  
 Lab File: VF061542.D  
 Acq: 7 Feb 2019 13:28

Tgt Ion: 105 Resp: 448524  
 Ion Ratio Lower Upper  
 105 100  
 120 51.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 51.532 ug/l m

RT: 11.86 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

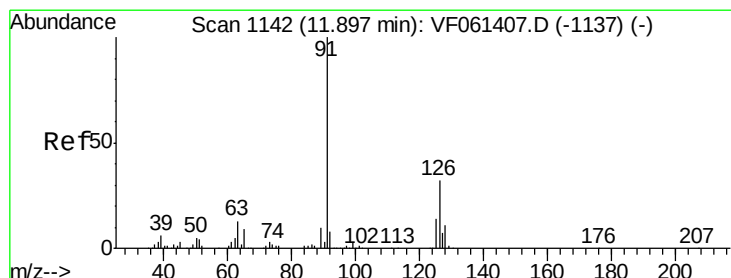
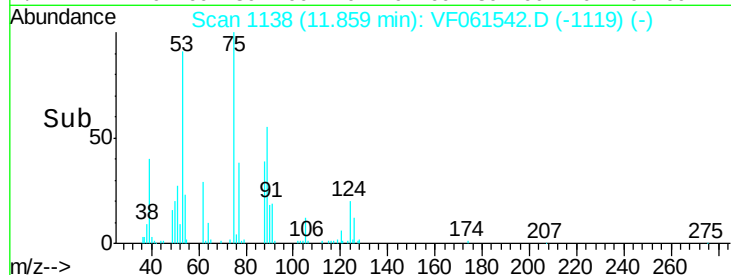
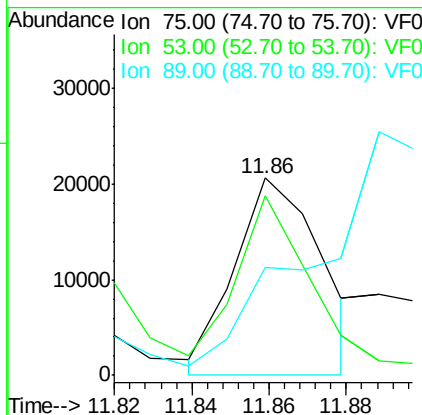
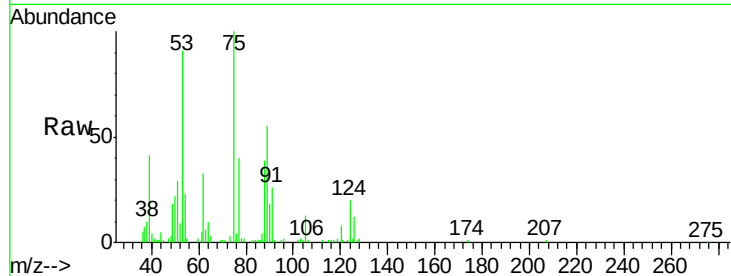
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 32353 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 90.9  | 57.8  | 86.6# |
| 89       | 54.6  | 40.7  | 61.1  |

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 48.954 ug/l

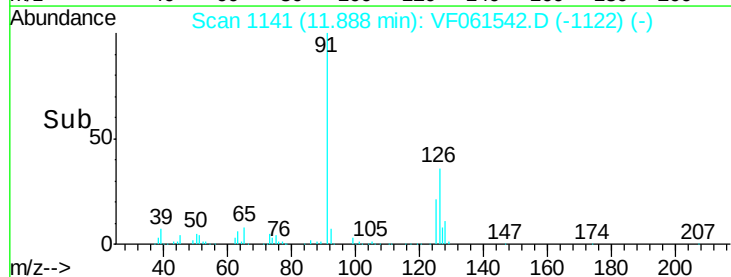
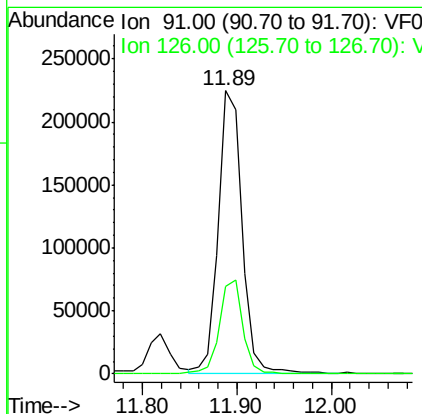
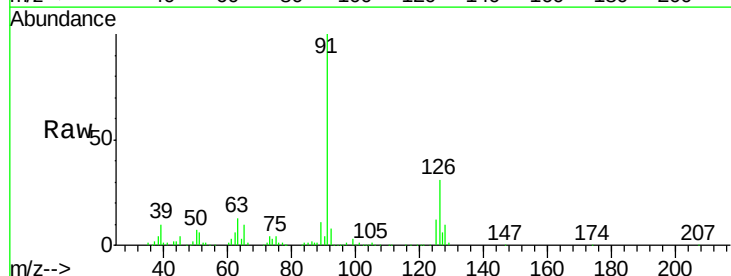
RT: 11.89 min Scan# 1141

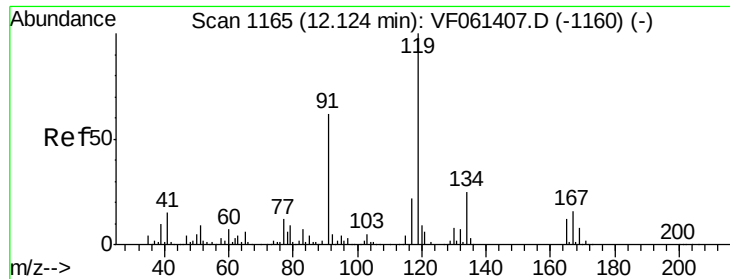
Delta R.T. -0.01 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 386707 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 30.8  | 16.0  | 47.9   |





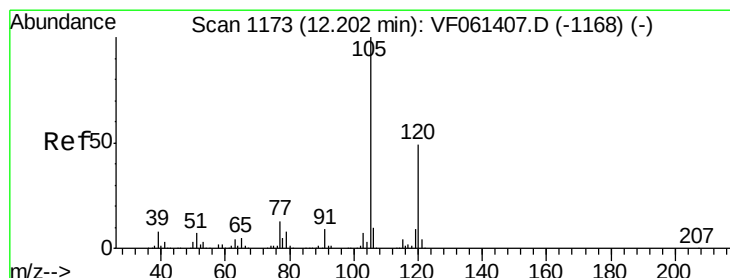
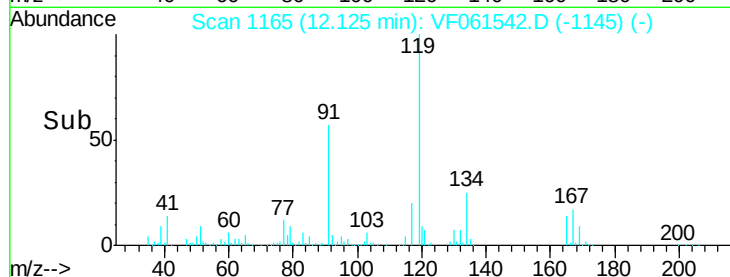
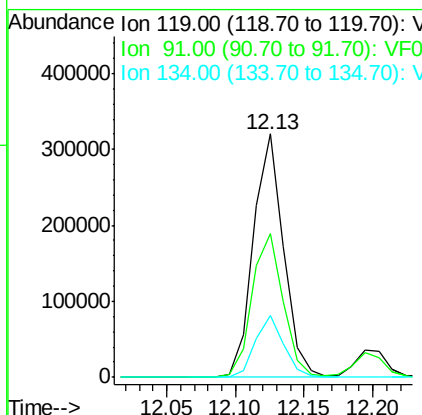
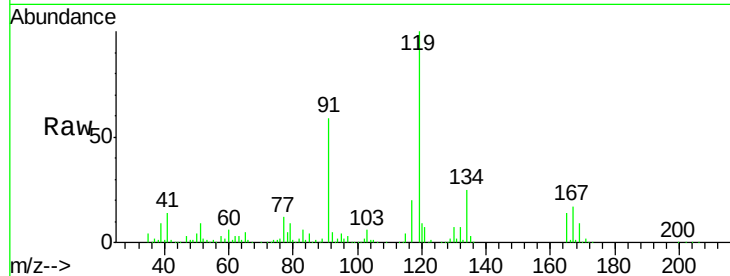
#83  
 tert-Butylbenzene  
 Concen: 52.345 ug/l  
 RT: 12.13 min Scan# 1165  
 Delta R.T. 0.00 min  
 Lab File: VF061542.D  
 Acq: 7 Feb 2019 13:28

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 493301 |       |       |
| 91      | 58.8  |        | 31.3  | 93.8  |
| 134     | 25.4  |        | 12.4  | 37.0  |

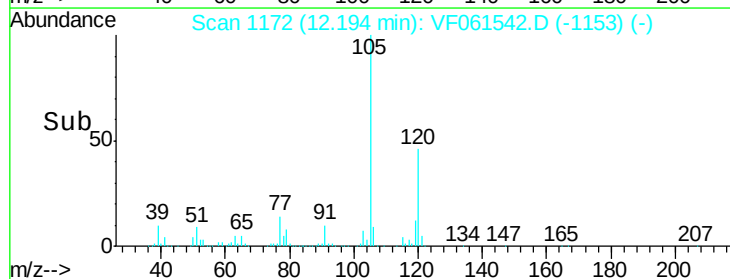
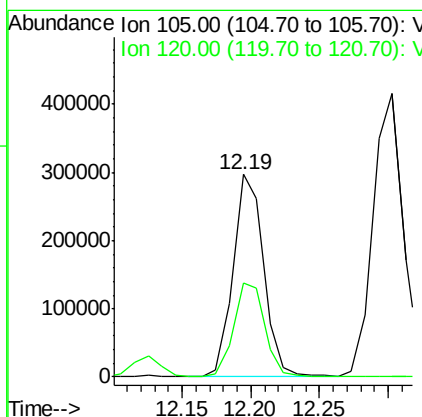
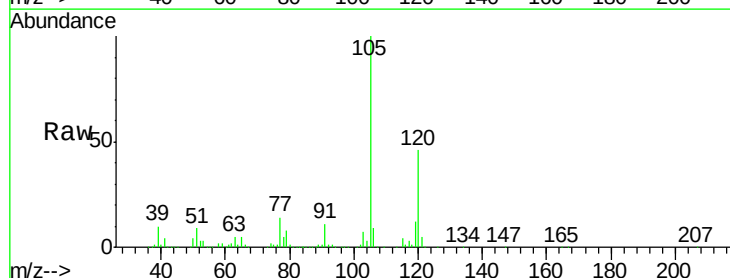
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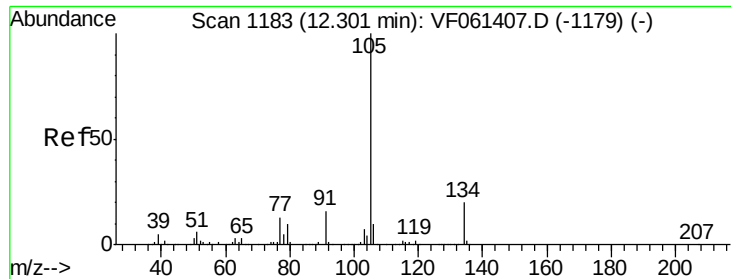
MMDadoda  
 2/11/2019 12:35:46 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 49.307 ug/l  
 RT: 12.19 min Scan# 1172  
 Delta R.T. -0.01 min  
 Lab File: VF061542.D  
 Acq: 7 Feb 2019 13:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 462444 |       |       |
| 120     | 46.4  |        | 24.9  | 74.6  |





#85

sec-Butylbenzene

Concen: 50.059 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 640665

Ion Ratio Lower Upper

105 100

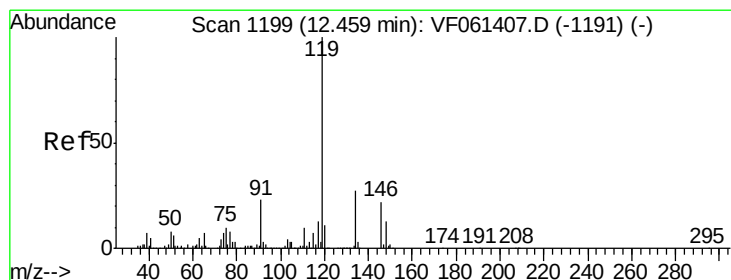
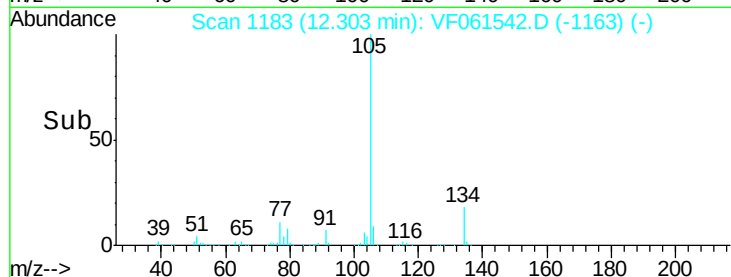
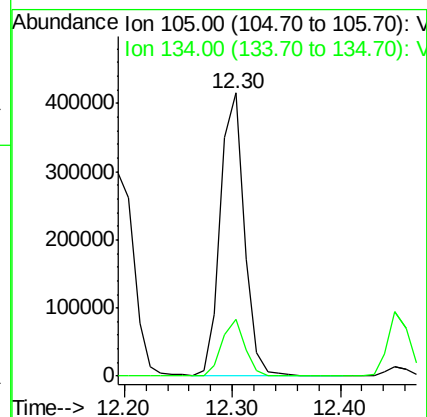
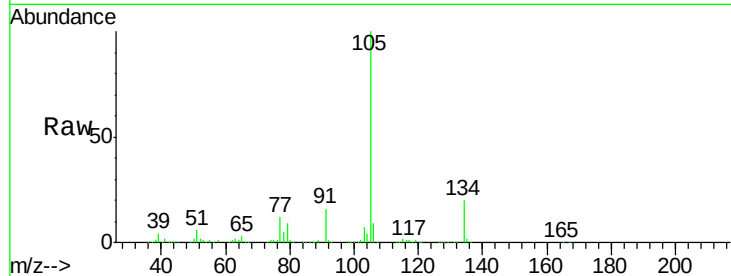
134 20.2 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 51.368 ug/l

RT: 12.45 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

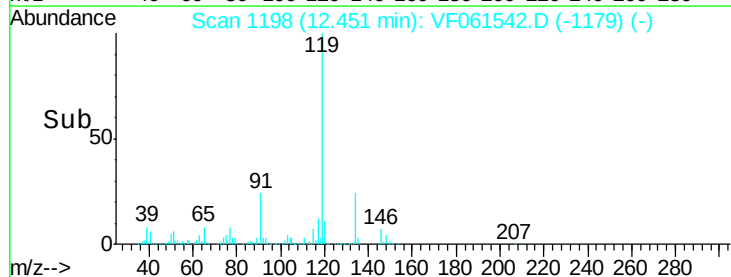
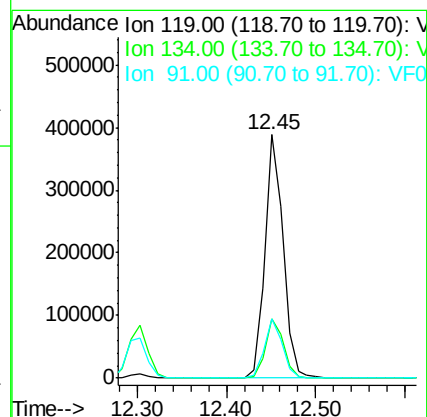
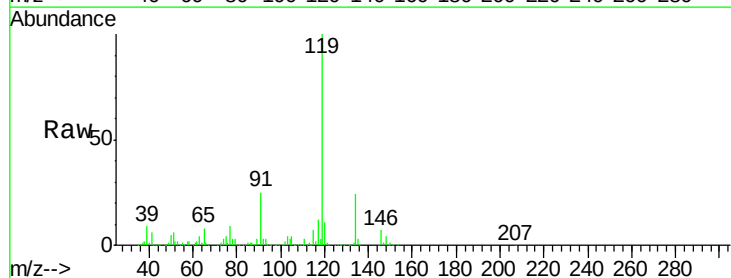
Tgt Ion:119 Resp: 539671

Ion Ratio Lower Upper

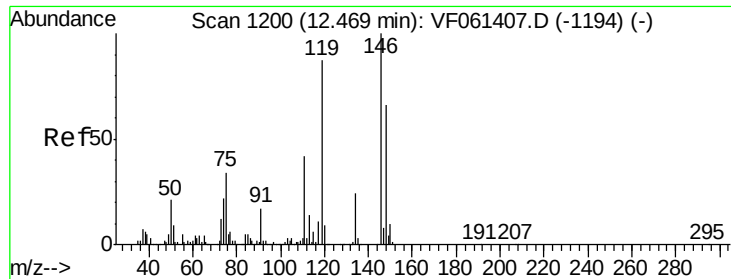
119 100

134 24.4 13.4 40.2

91 24.5 11.4 34.2







#87

1,3-Dichlorobenzene

Concen: 48.834 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

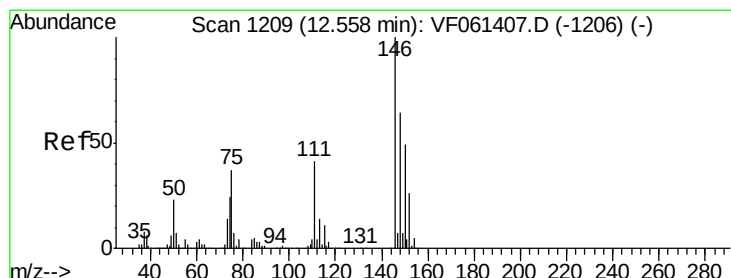
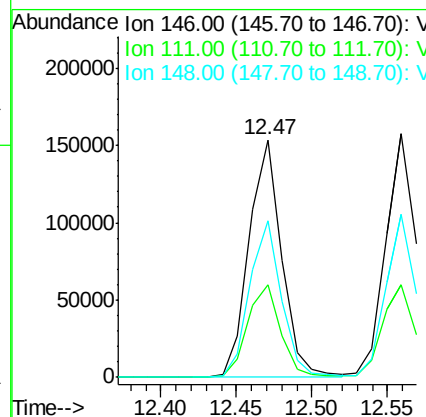
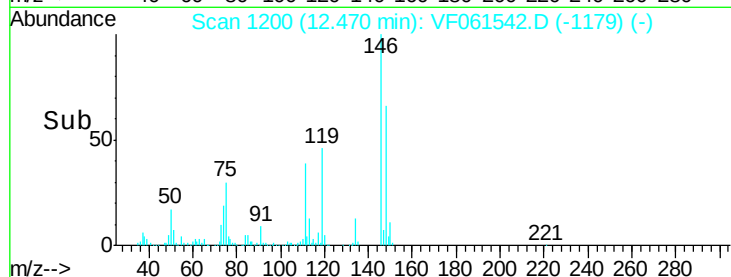
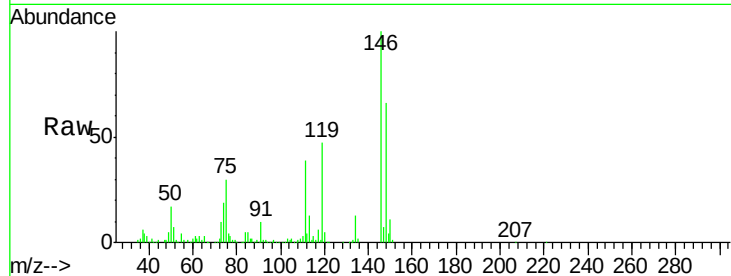
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 231903 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 39.3  | 21.1  | 63.4   |
| 148       | 65.8  | 32.9  | 98.6   |

Manual Integrations  
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#88

1,4-Dichlorobenzene

Concen: 51.725 ug/l

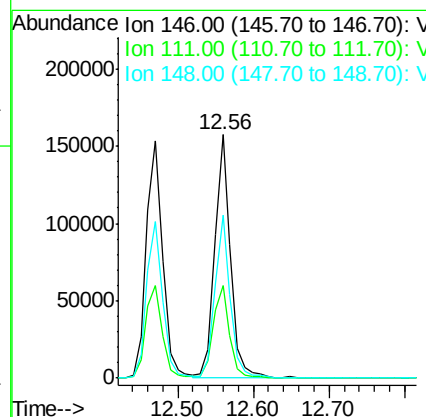
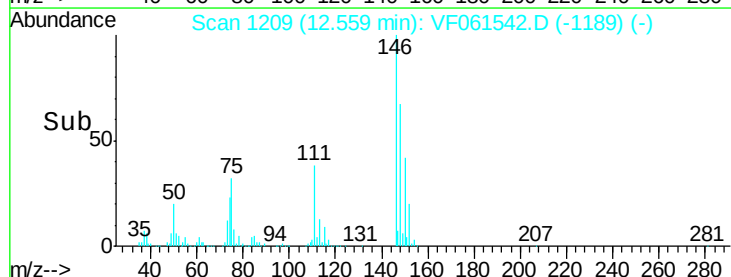
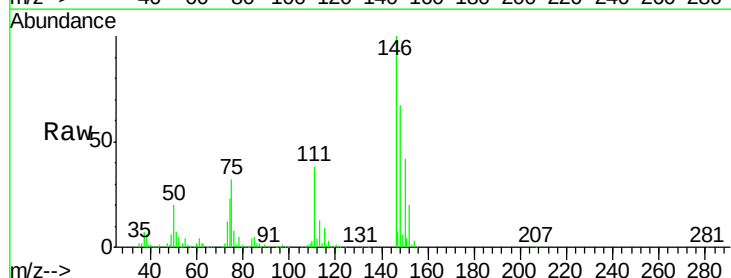
RT: 12.56 min Scan# 1209

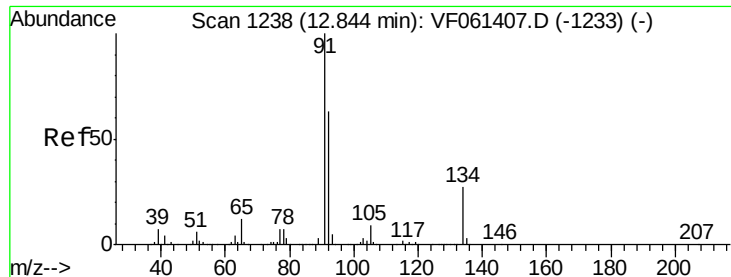
Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 232901 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 38.1  | 20.8  | 62.2   |
| 148       | 67.1  | 32.1  | 96.5   |





#89

n-Butylbenzene

Concen: 51.897 ug/l

RT: 12.84 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

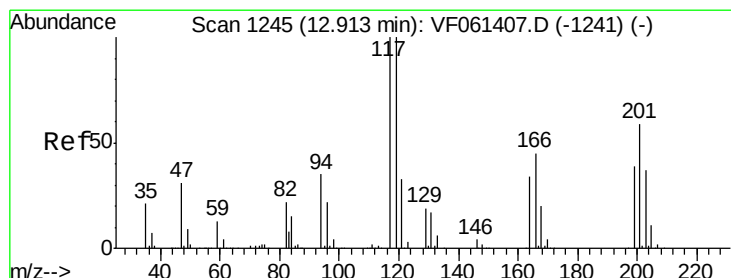
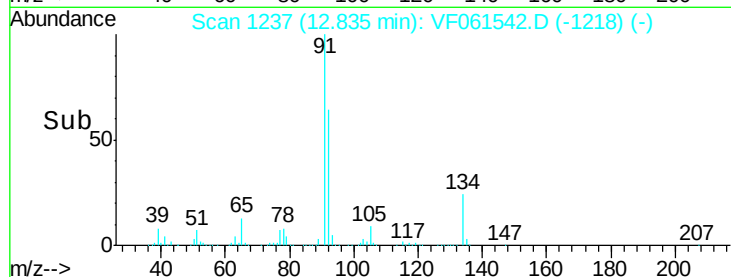
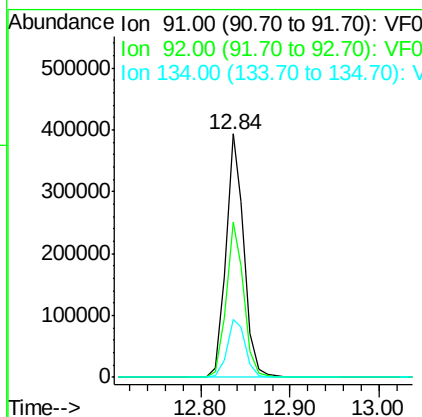
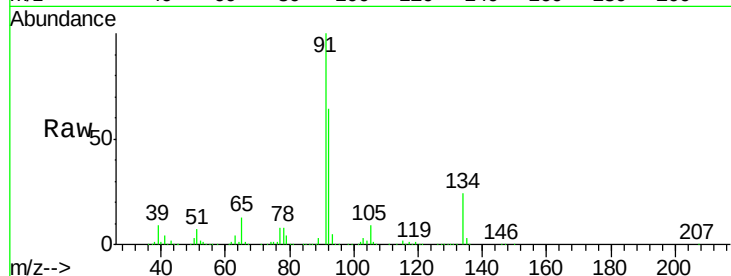
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 91    | Resp: | 562297 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 92        | 63.9  | 31.6  | 94.7   |
| 134       | 23.9  | 13.6  | 40.8   |

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#90

Hexachloroethane

Concen: 56.144 ug/l

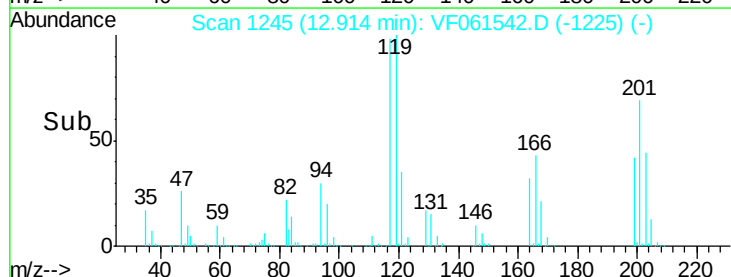
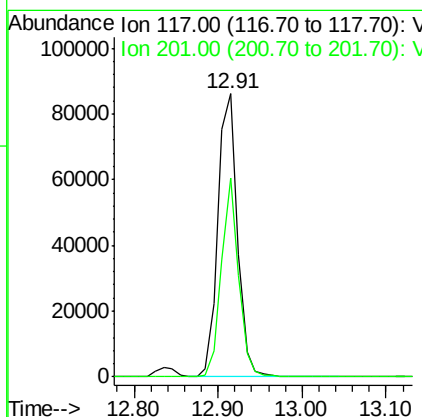
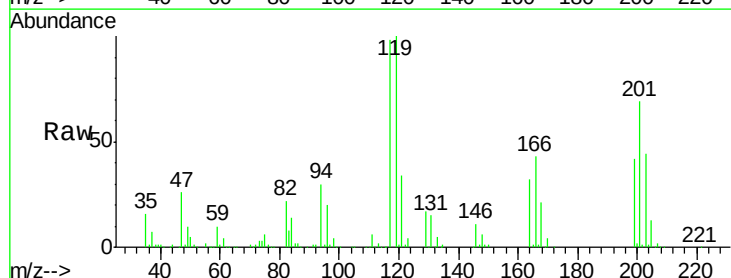
RT: 12.91 min Scan# 1245

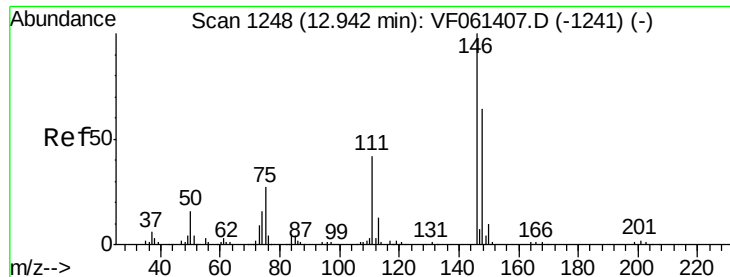
Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 139041 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 201       | 71.7  | 29.3  | 87.8   |





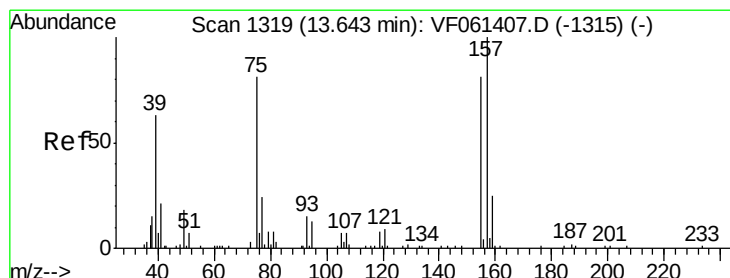
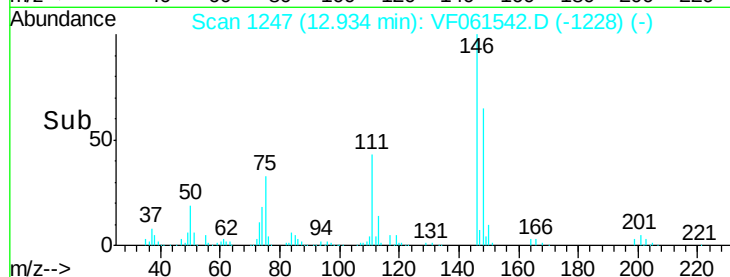
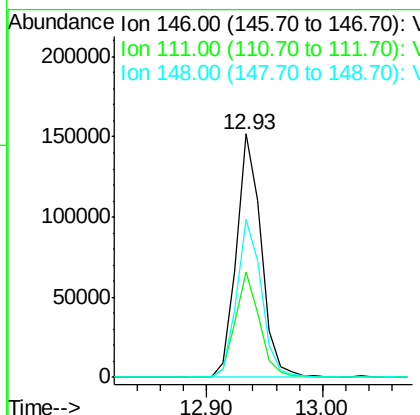
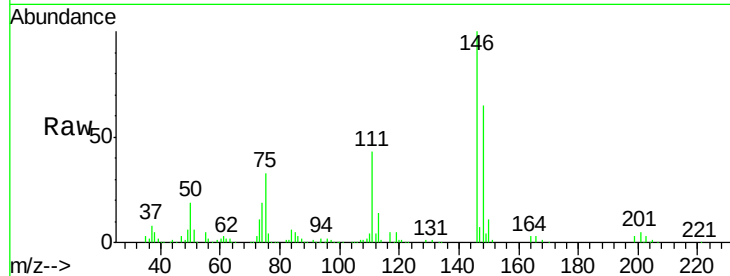
#91  
 1,2-Dichlorobenzene  
 Concen: 50.496 ug/l  
 RT: 12.93 min Scan# 1247  
 Delta R.T. -0.01 min  
 Lab File: VF061542.D  
 Acq: 7 Feb 2019 13:28

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.4  | 21.1  | 63.3  |
| 148     | 64.9  | 31.9  | 95.7  |

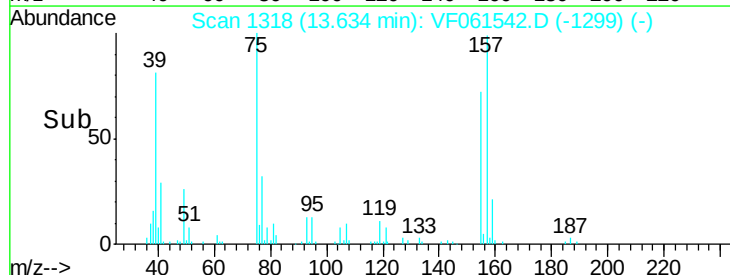
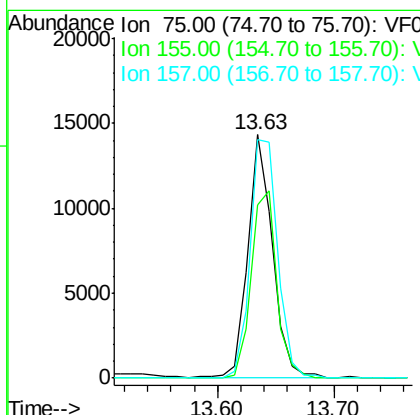
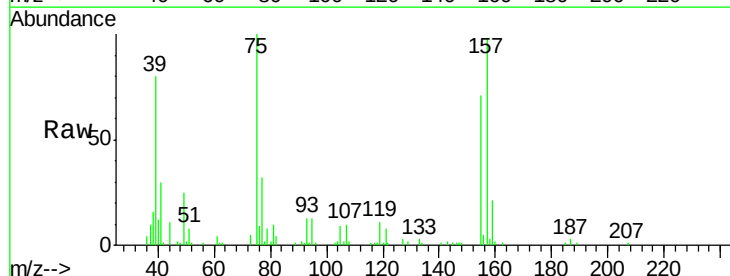
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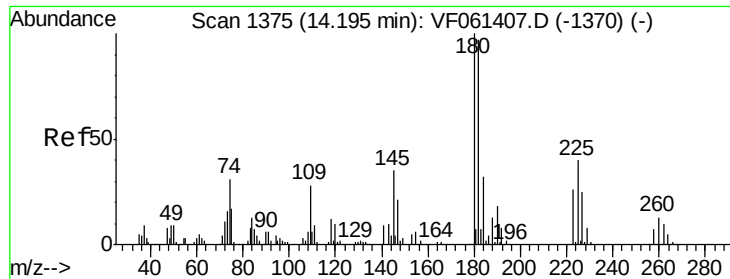
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 59.144 ug/l  
 RT: 13.63 min Scan# 1318  
 Delta R.T. -0.01 min  
 Lab File: VF061542.D  
 Acq: 7 Feb 2019 13:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 71.3  | 49.7  | 149.1 |
| 157     | 98.0  | 61.4  | 184.1 |





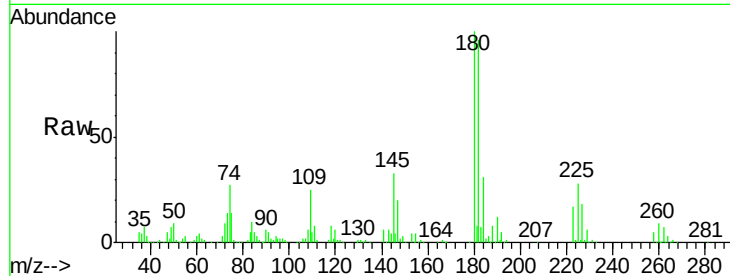
#93  
 1,2,4-Trichlorobenzene  
 Concen: 53.033 ug/l  
 RT: 14.20 min Scan# 1375  
 Delta R.T. 0.00 min  
 Lab File: VF061542.D  
 Acq: 7 Feb 2019 13:28

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 165595 |       |       |
| 182     | 96.3  | 48.5   | 145.6 |       |
| 145     | 32.7  | 17.5   | 52.6  |       |

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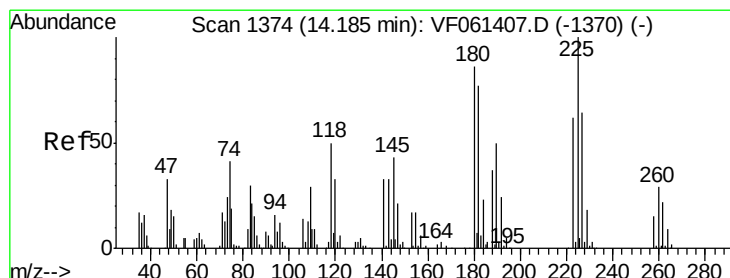
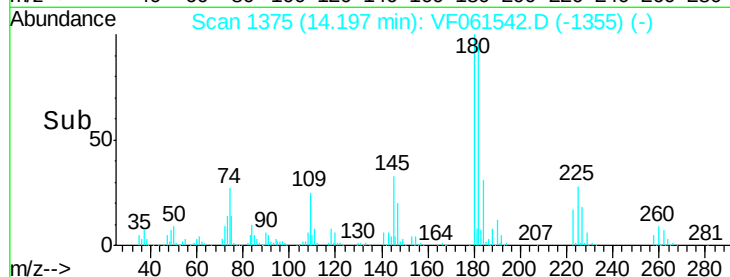
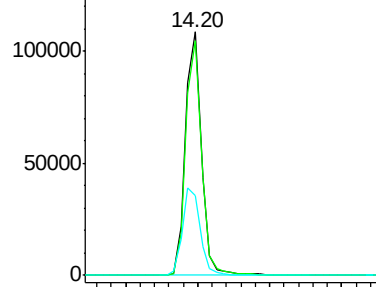


Abundance

Ion 180.00 (179.70 to 180.70): V

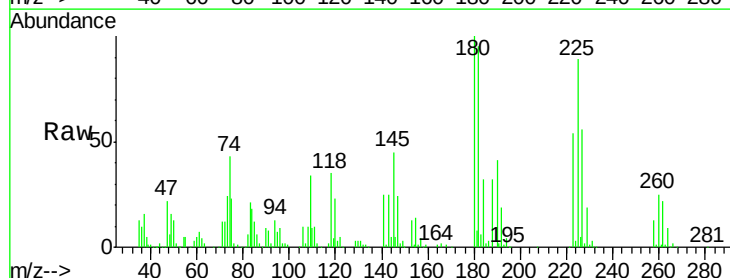
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94  
 Hexachlorobutadiene  
 Concen: 56.292 ug/l  
 RT: 14.19 min Scan# 1374  
 Delta R.T. 0.00 min  
 Lab File: VF061542.D  
 Acq: 7 Feb 2019 13:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 109071 |       |       |
| 223     | 60.6  | 31.1   | 93.2  |       |
| 227     | 63.0  | 32.2   | 96.6  |       |

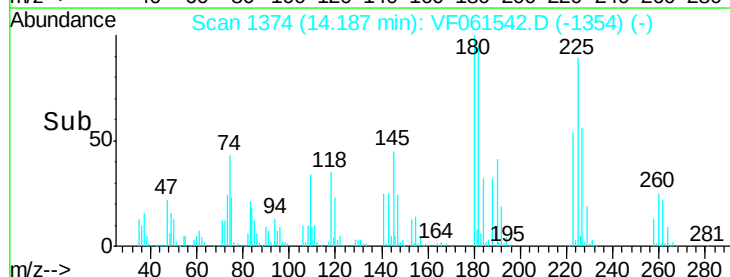
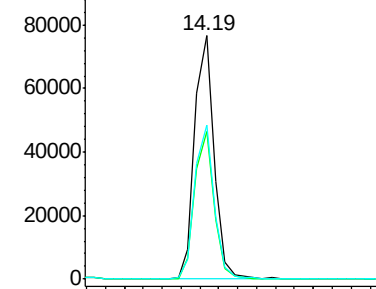


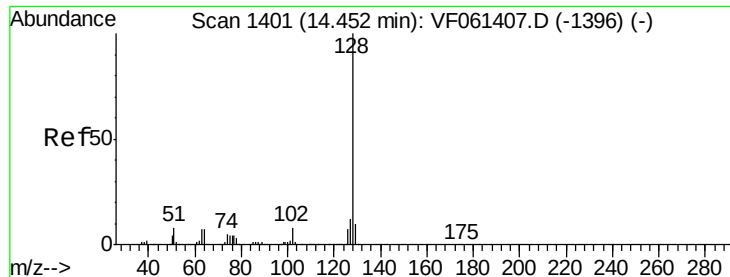
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 53.778 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. 0.00 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

Instrument :

MSVOA\_F

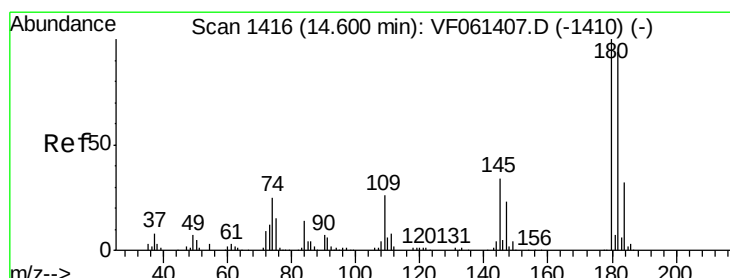
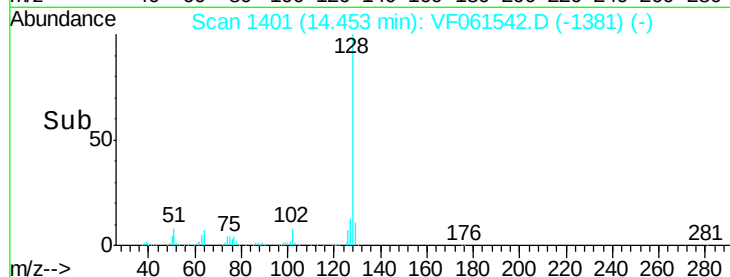
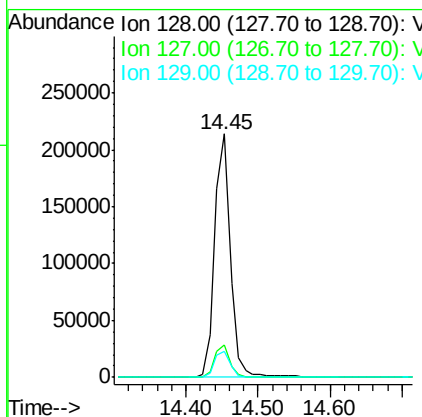
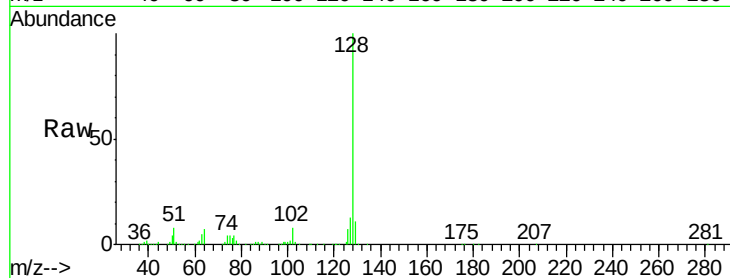
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 319037 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.3  | 9.5   | 14.3   |
| 129       | 10.7  | 8.4   | 12.6   |

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#96

1,2,3-Trichlorobenzene

Concen: 53.049 ug/l

RT: 14.59 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VF061542.D

Acq: 7 Feb 2019 13:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 153340 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.7  | 47.0  | 141.2  |
| 145       | 37.2  | 17.1  | 51.2   |

