

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122818\  
 Data File : VF061225.D  
 Acq On : 28 Dec 2018 9:43  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00g/5mL/MSVOA-F/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 1/2/2019 11:51:22 AM

Quant Time: Dec 29 01:18:19 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F121918S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 20 00:56:59 2018  
 Response via : Initial Calibration

| Internal Standards            | R.T.   | QIon | Response | Conc    | Units   | Dev(Min) |
|-------------------------------|--------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene         | 4.87   | 168  | 210625   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 5.60   | 114  | 360858   | 50.00   | ug/l    | 0.01     |
| 63) Chlorobenzene-d5          | 9.78   | 117  | 334027   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.55  | 152  | 165494   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4     | 4.84   | 65   | 128713   | 47.51   | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =       | 95.02%  |          |
| 35) Dibromofluoromethane      | 4.11   | 113  | 154929   | 53.60   | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =       | 107.20% |          |
| 50) Toluene-d8                | 7.56   | 98   | 427167   | 52.15   | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =       | 104.30% |          |
| 62) 4-Bromofluorobenzene      | 11.41  | 95   | 183253   | 48.52   | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =       | 97.04%  |          |
| Target Compounds              |        |      |          |         |         |          |
|                               |        |      |          |         | Qvalue  |          |
| 2) Dichlorodifluoromethane    | 0.96   | 85   | 208280   | 44.485  | ug/l    | 100      |
| 3) Chloromethane              | 1.10   | 50   | 141681   | 52.827  | ug/l    | 99       |
| 4) Vinyl Chloride             | 1.14   | 62   | 131977   | 53.047  | ug/l #  | 85       |
| 5) Bromomethane               | 1.33   | 94   | 86851    | 50.330  | ug/l    | 94       |
| 6) Chloroethane               | 1.38   | 64   | 59328    | 51.752  | ug/l #  | 87       |
| 7) Trichlorofluoromethane     | 1.49   | 101  | 242060   | 50.956  | ug/l    | 99       |
| 8) Diethyl Ether              | 1.63   | 74   | 38232    | 58.772  | ug/l    | 99       |
| 9) 1,1,2-Trichlorotrifluoroet | 1.83   | 101  | 122466   | 49.721  | ug/l    | 97       |
| 10) Methyl Iodide             | 1.90   | 142  | 197328m  | 50.825  | ug/l    |          |
| 11) Tert butyl alcohol        | 2.58   | 59   | 30879    | 282.467 | ug/l    | 98       |
| 12) 1,1-Dichloroethene        | 1.79   | 96   | 99861    | 53.786  | ug/l    | 86       |
| 13) Acrolein                  | 2.00   | 56   | 15142    | 191.687 | ug/l    | 83       |
| 14) Allyl chloride            | 2.09   | 41   | 175613   | 90.890  | ug/l    | 86       |
| 15) Acrylonitrile             | 2.94   | 53   | 71659    | 283.474 | ug/l    | 99       |
| 16) Acetone                   | 2.24   | 43   | 145245   | 268.198 | ug/l #  | 92       |
| 17) Carbon Disulfide          | 1.84   | 76   | 280153   | 49.930  | ug/l    | 98       |
| 18) Methyl Acetate            | 2.35   | 43   | 62246    | 55.555  | ug/l    | 95       |
| 19) Methyl tert-butyl Ether   | 2.43   | 73   | 211670   | 51.362  | ug/l    | 97       |
| 20) Methylene Chloride        | 2.18   | 84   | 92063m   | 53.514  | ug/l    |          |
| 21) trans-1,2-Dichloroethene  | 2.31   | 96   | 101446   | 51.086  | ug/l    | 88       |
| 22) Diisopropyl ether         | 2.80   | 45   | 347417   | 53.980  | ug/l    | 93       |
| 23) Vinyl Acetate             | 3.19   | 43   | 804894   | 271.091 | ug/l    | 99       |
| 24) 1,1-Dichloroethane        | 2.87   | 63   | 208769   | 54.747  | ug/l    | 98       |
| 25) 2-Butanone                | 4.34   | 43   | 230547   | 262.491 | ug/l    | 96       |
| 26) 2,2-Dichloropropane       | 3.60   | 77   | 127754   | 58.378  | ug/l    | 97       |
| 27) cis-1,2-Dichloroethene    | 3.47   | 96   | 152751   | 50.245  | ug/l    | 97       |
| 28) Bromochloromethane        | 3.72   | 49   | 98695    | 51.008  | ug/l    | 94       |
| 29) Tetrahydrofuran           | 4.08   | 42   | 95985    | 268.505 | ug/l    | 96       |
| 30) Chloroform                | 3.86   | 83   | 294205   | 51.454  | ug/l    | 99       |
| 31) Cyclohexane               | 3.69   | 56   | 208196   | 52.615  | ug/l    | 94       |
| 32) 1,1,1-Trichloroethane     | 4.10   | 97   | 214212   | 62.505  | ug/l    | 95       |
| 36) 1,1-Dichloropropene       | 4.28   | 75   | 216675   | 49.744  | ug/l    | 97       |
| 37) Ethyl Acetate             | 4.11   | 43   | 92415    | 55.660  | ug/l #  | 61       |
| 38) Carbon Tetrachloride      | 3.99   | 117  | 182064   | 54.886  | ug/l    | 94       |

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

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 1/2/2019 11:51:22 AM

Quant Time: Dec 29 01:18:19 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F121918S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 20 00:56:59 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 5.46  | 83   | 226715   | 58.017  | ug/l   | 99       |
| 40) Benzene                    | 4.63  | 78   | 486724   | 51.960  | ug/l   | 95       |
| 41) Methacrylonitrile          | 4.75  | 41   | 46957    | 51.046  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 4.94  | 62   | 170911   | 48.030  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.96  | 43   | 111671   | 53.096  | ug/l   | 97       |
| 44) Trichloroethene            | 5.51  | 130  | 149505   | 50.624  | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 6.24  | 63   | 137544   | 53.971  | ug/l   | 98       |
| 46) Dibromomethane             | 6.09  | 93   | 83994    | 50.815  | ug/l   | 96       |
| 47) Bromodichloromethane       | 6.38  | 83   | 218214   | 50.810  | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.72  | 41   | 76445    | 52.065  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 6.71  | 88   | 10231    | 960.328 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone       | 8.26  | 43   | 381499   | 264.485 | ug/l   | 99       |
| 52) Toluene                    | 7.63  | 92   | 326578   | 52.669  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 8.28  | 75   | 176831   | 51.039  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 7.30  | 75   | 222224   | 51.106  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 8.49  | 97   | 95402    | 51.323  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 8.62  | 69   | 107592   | 53.491  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 8.86  | 76   | 176198   | 52.409  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether  | 7.30  | 63   | 57620    | 149.156 | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.49  | 43   | 294818   | 282.629 | ug/l   | 99       |
| 60) Dibromochloromethane       | 8.71  | 129  | 138928   | 52.139  | ug/l   | 96       |
| 61) 1,2-Dibromoethane          | 8.99  | 107  | 98368    | 49.550  | ug/l   | 95       |
| 64) Tetrachloroethene          | 8.15  | 164  | 130178   | 50.662  | ug/l   | 97       |
| 65) Chlorobenzene              | 9.80  | 112  | 361151   | 52.337  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.93  | 131  | 135993   | 48.225  | ug/l   | 95       |
| 67) Ethyl Benzene              | 9.91  | 91   | 636578   | 50.637  | ug/l   | 97       |
| 68) m/p-Xylenes                | 10.13 | 106  | 448490   | 101.372 | ug/l   | 92       |
| 69) o-Xylene                   | 10.71 | 106  | 260938   | 53.179  | ug/l   | 91       |
| 70) Styrene                    | 10.79 | 104  | 340457   | 57.693  | ug/l   | 98       |
| 71) Bromoform                  | 10.77 | 173  | 66141    | 50.696  | ug/l # | 96       |
| 73) Isopropylbenzene           | 11.13 | 105  | 738422   | 51.777  | ug/l   | 100      |
| 74) N-amyl acetate             | 11.38 | 43   | 179405   | 56.661  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.69 | 83   | 118898   | 50.233  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.80 | 75   | 87430    | 49.635  | ug/l   | 94       |
| 77) Bromobenzene               | 11.49 | 156  | 150380   | 48.984  | ug/l   | 95       |
| 78) n-propylbenzene            | 11.59 | 91   | 827923   | 50.535  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.72 | 91   | 488566   | 49.938  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.83 | 105  | 580203   | 49.407  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 11.87 | 75   | 42991m   | 56.797  | ug/l   |          |
| 82) 4-Chlorotoluene            | 11.90 | 91   | 492072   | 48.621  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.13 | 119  | 592428   | 49.025  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 12.20 | 105  | 577417   | 49.307  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 12.30 | 105  | 794623   | 50.389  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.46 | 119  | 655073   | 50.045  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 12.48 | 146  | 276761   | 55.872  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 12.57 | 146  | 280987   | 49.844  | ug/l   | 97       |
| 89) n-Butylbenzene             | 12.84 | 91   | 687815   | 52.690  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.91 | 117  | 166944   | 51.621  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene        | 12.94 | 146  | 261851   | 47.710  | ug/l   | 94       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.64 | 75   | 22280    | 51.296  | ug/l   | 84       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122818\  
Data File : VF061225.D  
Acq On : 28 Dec 2018 9:43  
Operator : VA/AP  
Sample : VSTDCCC050  
Misc : 5.00g/5mL/MSVOA-F/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

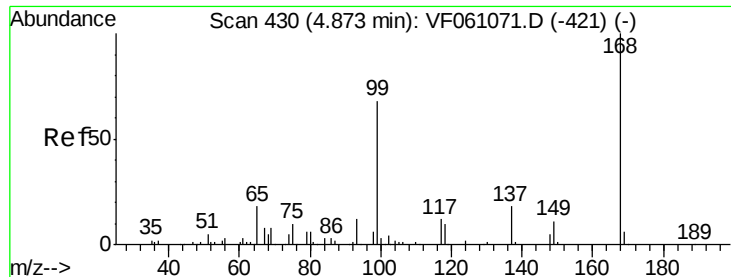
MMDadoda  
1/2/2019 11:51:22 AM

Quant Time: Dec 29 01:18:19 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F121918S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 20 00:56:59 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.20 | 180  | 190697   | 48.993 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 14.19 | 225  | 126551   | 51.048 | ug/l  | 96       |
| 95) Naphthalene            | 14.45 | 128  | 373282   | 52.519 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.60 | 180  | 181331   | 50.394 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 210625

Ion Ratio Lower Upper

168 100

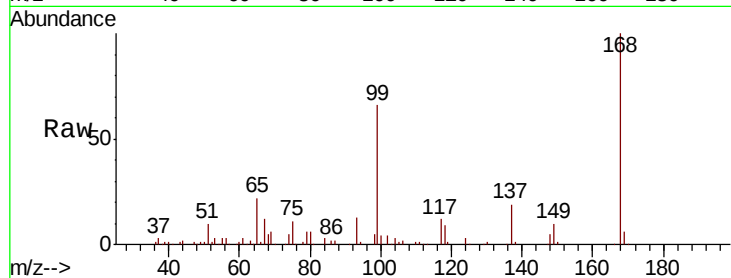
99 66.4 54.4 81.6

Manual Integrations

APPROVED

MMDadoda

1/2/2019 11:51:22 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

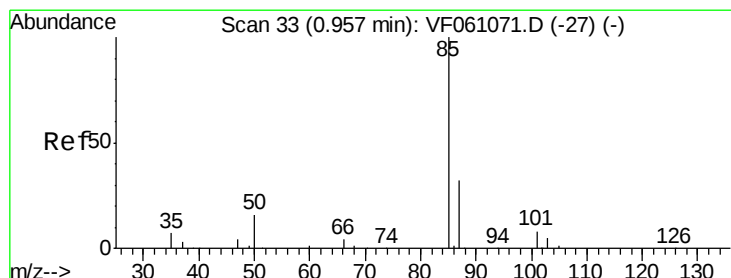
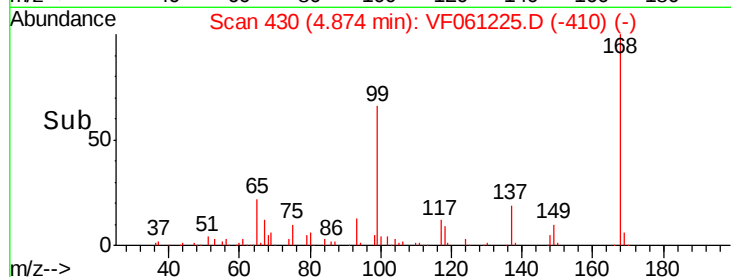
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 44.485 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061225.D

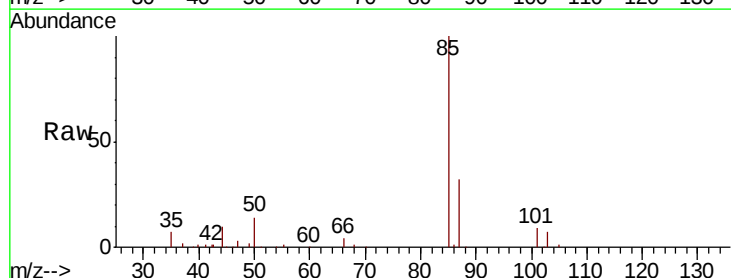
Acq: 28 Dec 2018 9:43

Tgt Ion: 85 Resp: 208280

Ion Ratio Lower Upper

85 100

87 31.6 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

60000

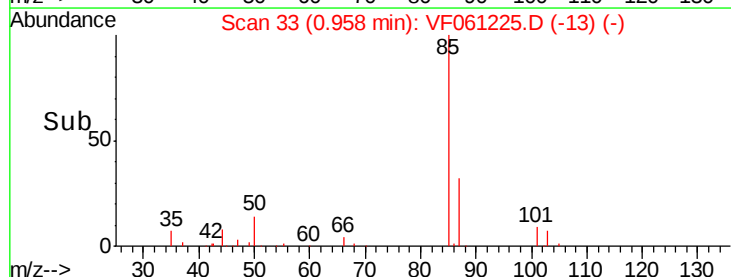
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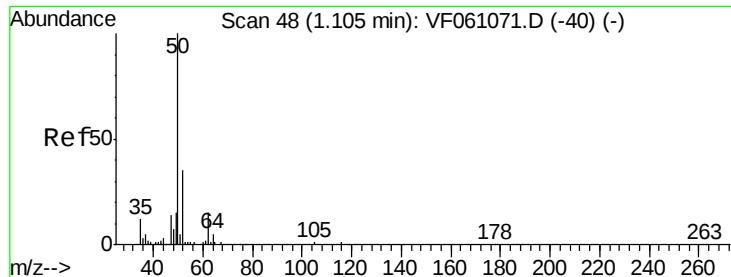
20000

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Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 52.827 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 141681

Ion Ratio Lower Upper

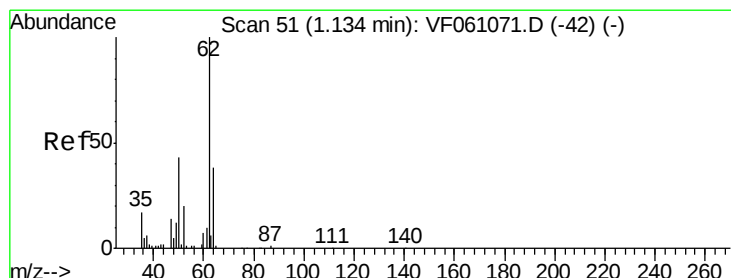
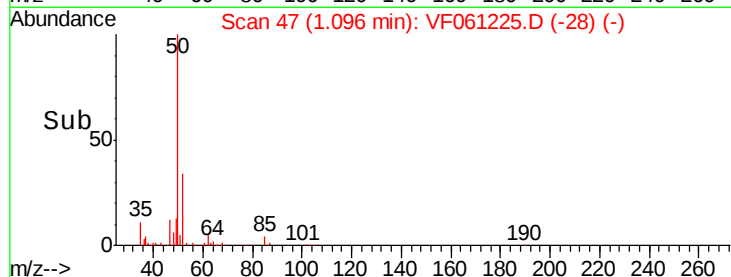
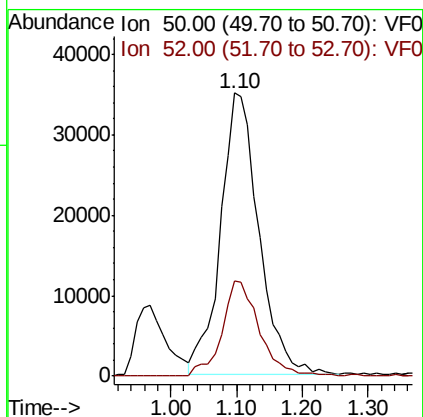
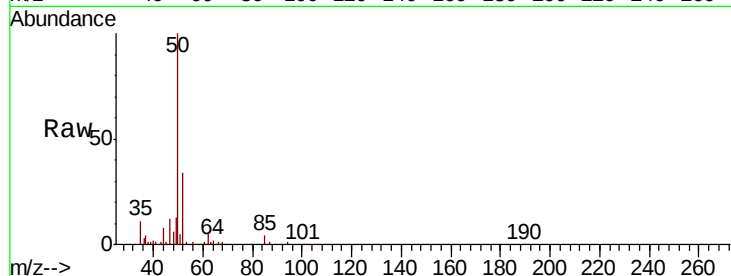
50 100

52 33.6 26.3 39.5

Manual Integrations  
APPROVED

MMDadoda

1/2/2019 11:51:22 AM



#4

Vinyl Chloride

Concen: 53.047 ug/l

RT: 1.14 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061225.D

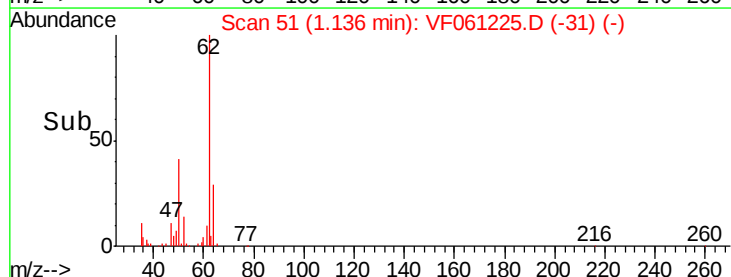
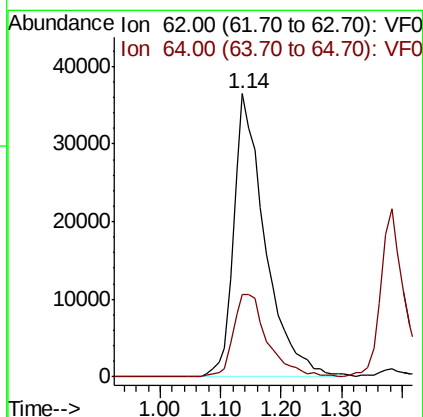
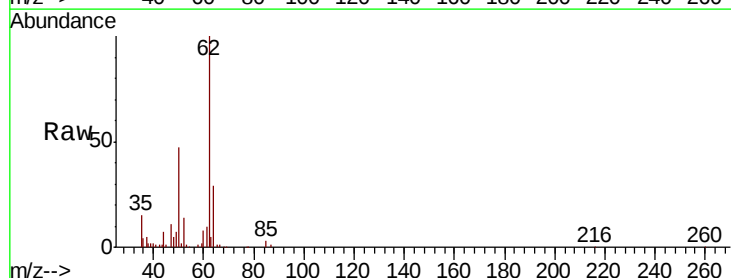
Acq: 28 Dec 2018 9:43

Tgt Ion: 62 Resp: 131977

Ion Ratio Lower Upper

62 100

64 29.2 30.4 45.6#





#5

Bromomethane

Concen: 50.330 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 86851

Ion Ratio Lower Upper

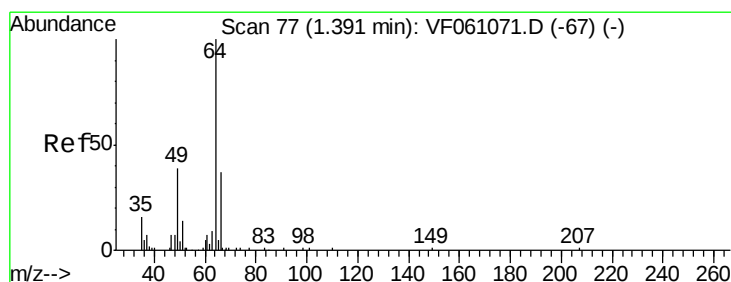
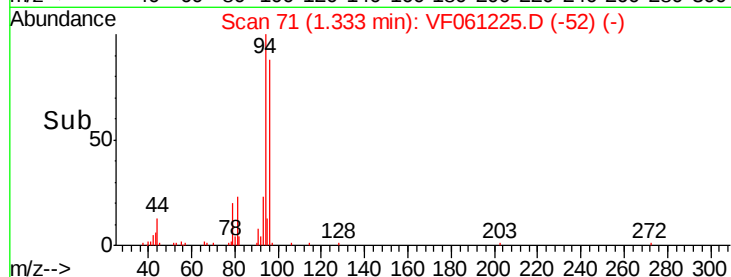
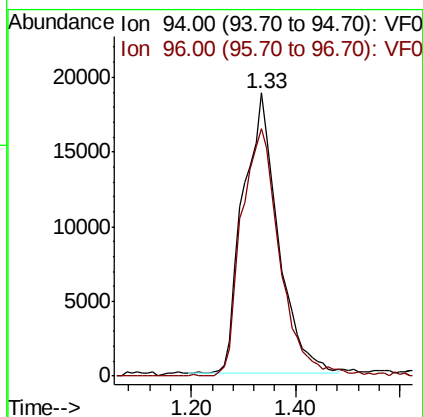
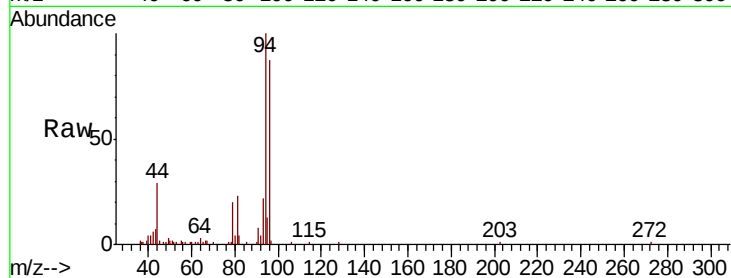
94 100

96 87.3 74.4 111.6

Manual Integrations  
APPROVED

MMDadoda

1/2/2019 11:51:22 AM



#6

Chloroethane

Concen: 51.752 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061225.D

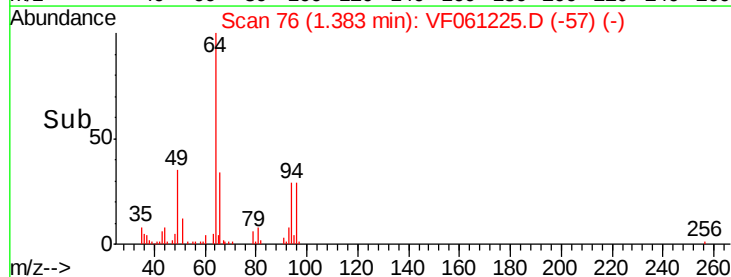
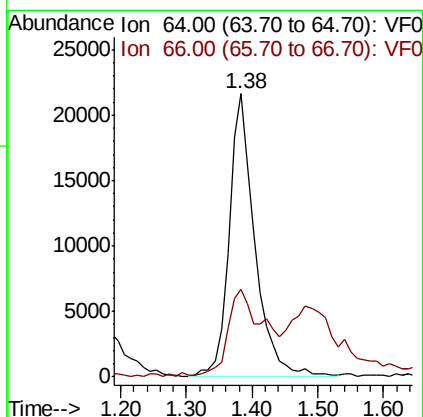
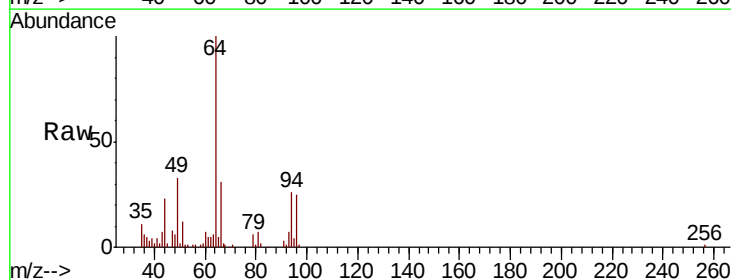
Acq: 28 Dec 2018 9:43

Tgt Ion: 64 Resp: 59328

Ion Ratio Lower Upper

64 100

66 30.7 30.9 46.3#





#7

Trichlorofluoromethane

Concen: 50.956 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 242060

Ion Ratio Lower Upper

101 100

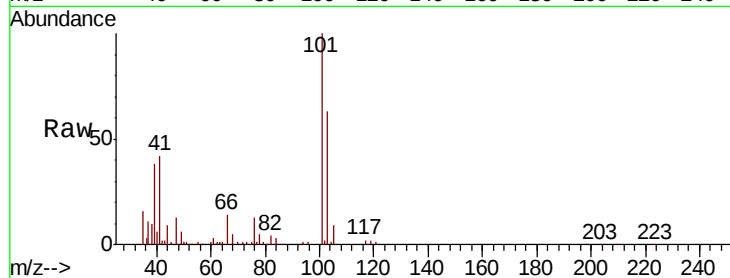
103 62.7 50.7 76.1

Manual Integrations

APPROVED

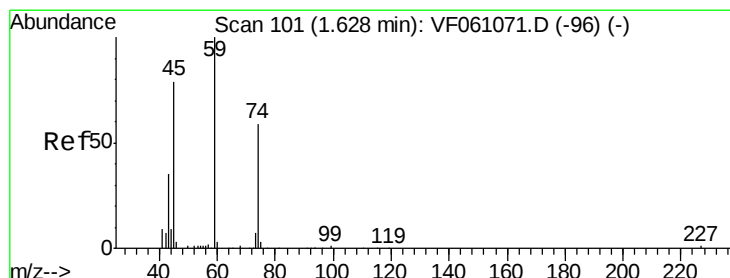
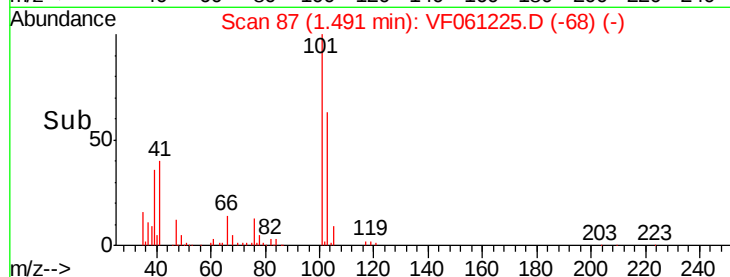
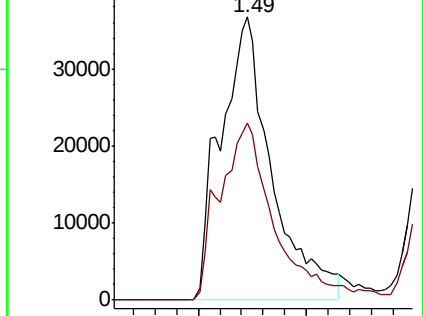
MMDadoda

1/2/2019 11:51:22 AM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 58.772 ug/l

RT: 1.63 min Scan# 101

Delta R.T. 0.00 min

Lab File: VF061225.D

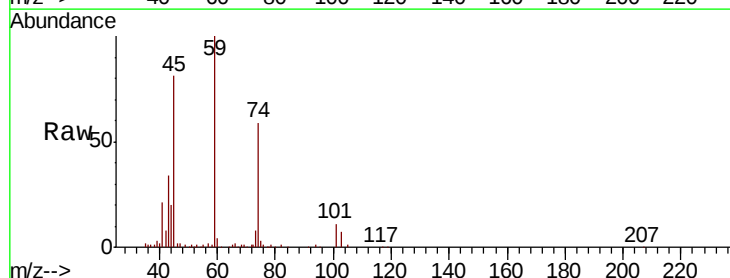
Acq: 28 Dec 2018 9:43

Tgt Ion: 74 Resp: 38232

Ion Ratio Lower Upper

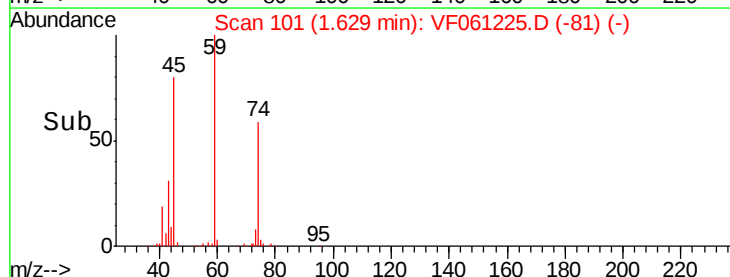
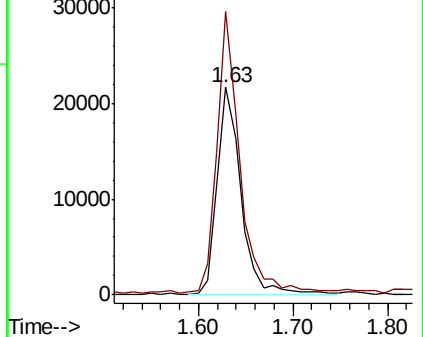
74 100

45 136.5 67.8 203.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.721 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

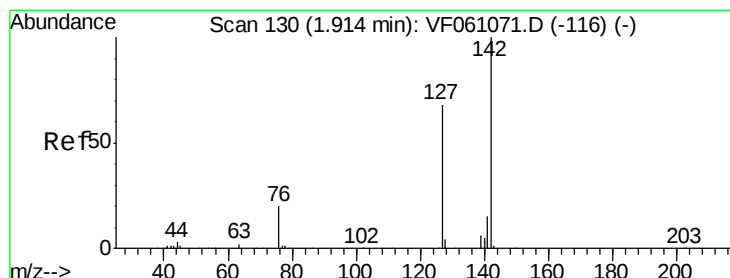
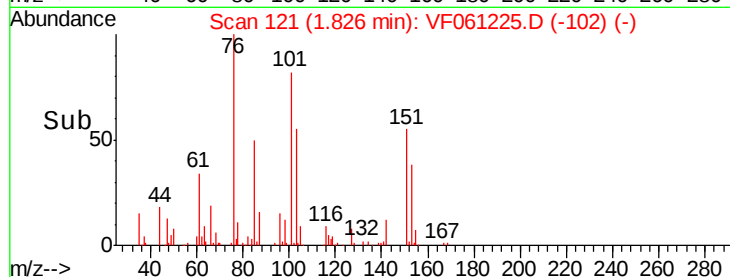
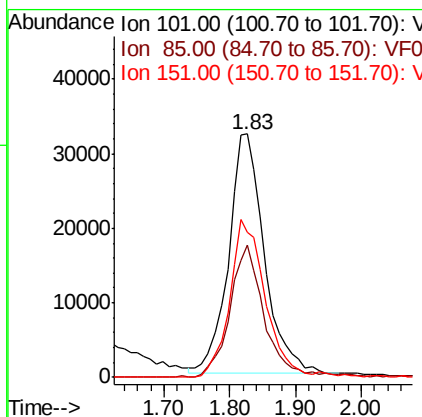
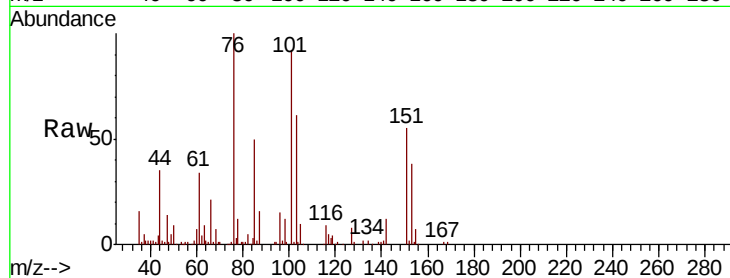
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 122466 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 54.1  | 44.5  | 66.7   |
| 151       | 59.5  | 49.9  | 74.9   |

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#10

Methyl Iodide

Concen: 50.825 ug/l m

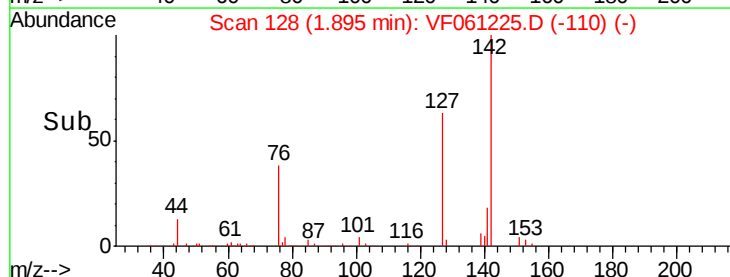
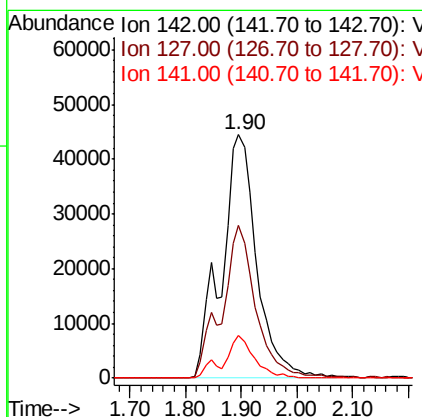
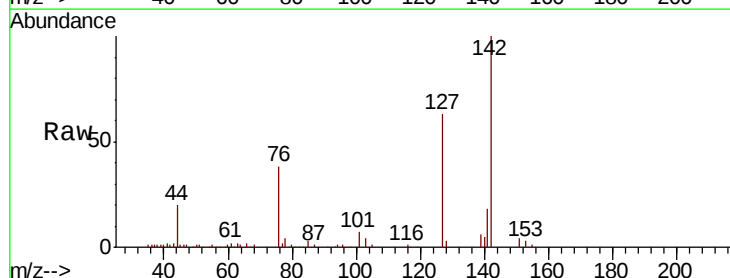
RT: 1.90 min Scan# 128

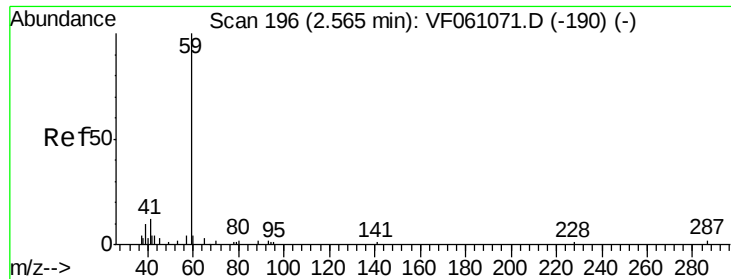
Delta R.T. -0.02 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 197328 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 62.5  | 54.7  | 82.1   |
| 141       | 17.7  | 12.2  | 18.2   |





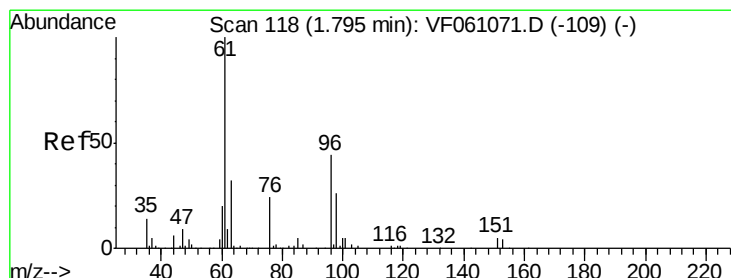
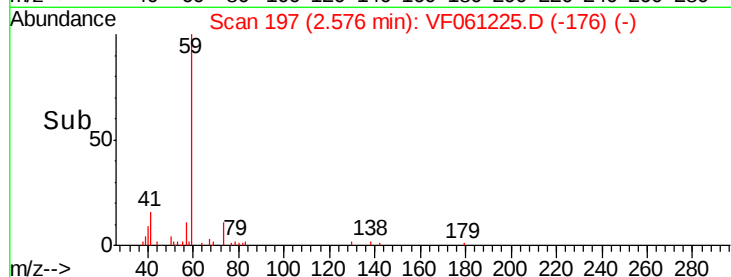
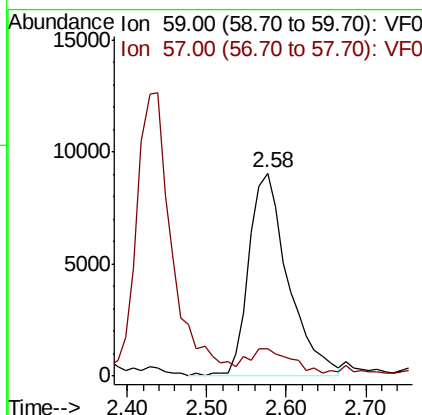
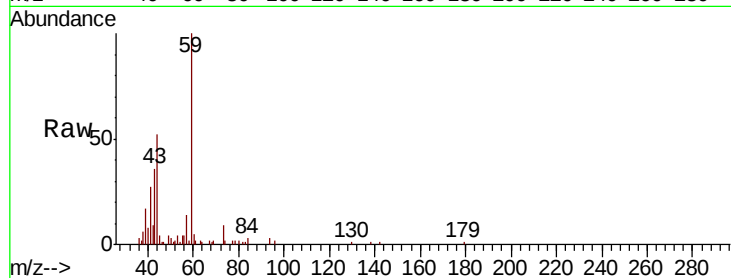
#11  
Tert butyl alcohol  
Concen: 282.467 ug/l  
RT: 2.58 min Scan# 197  
Delta R.T. 0.01 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 13.8  | 11.5  | 17.3  |

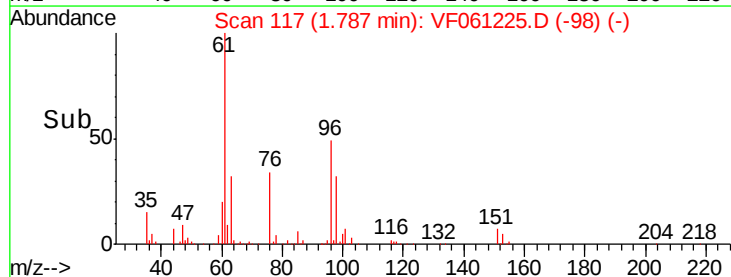
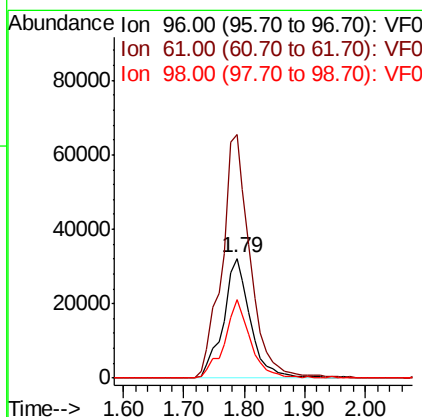
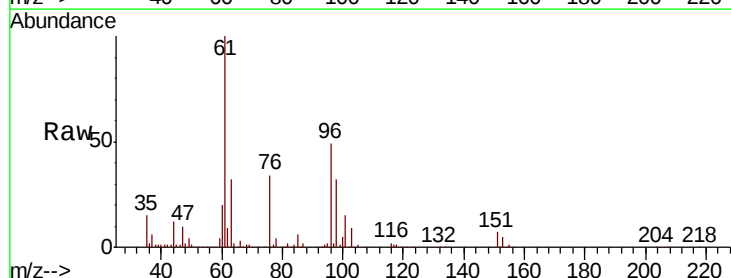
Manual Integrations  
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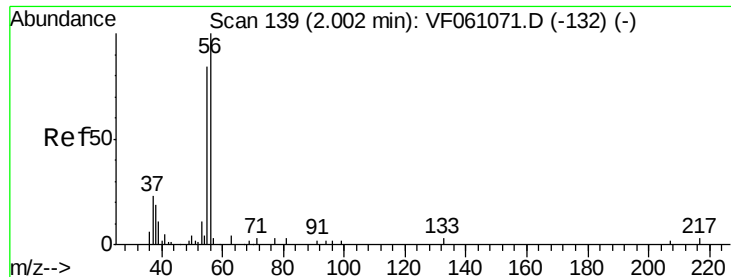
MMDadoda  
1/2/2019 11:51:22 AM



#12  
1,1-Dichloroethene  
Concen: 53.786 ug/l  
RT: 1.79 min Scan# 117  
Delta R.T. -0.01 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 203.7 | 182.0 | 273.0 |
| 98      | 66.1  | 46.5  | 69.7  |





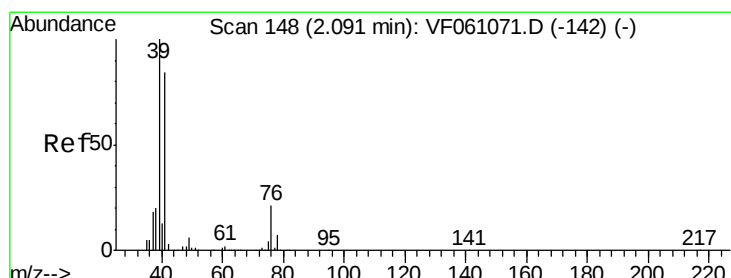
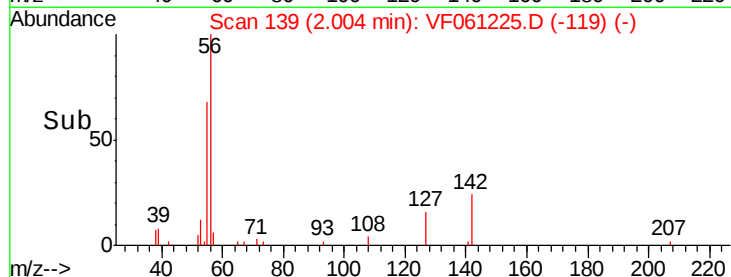
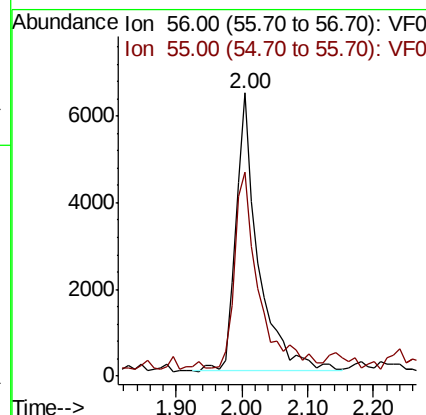
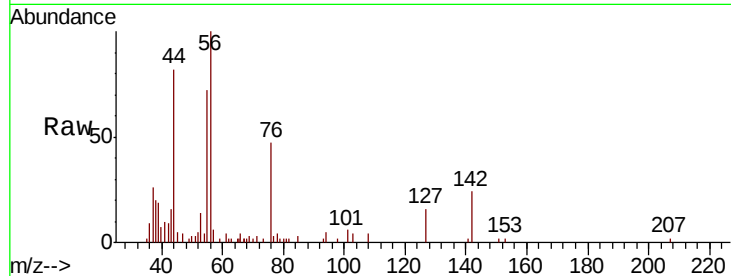
#13  
Acrolein  
Concen: 191.687 ug/l  
RT: 2.00 min Scan# 139  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 72.1  | 70.2  | 105.2 |

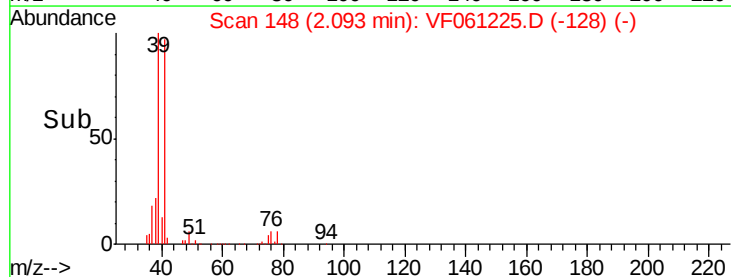
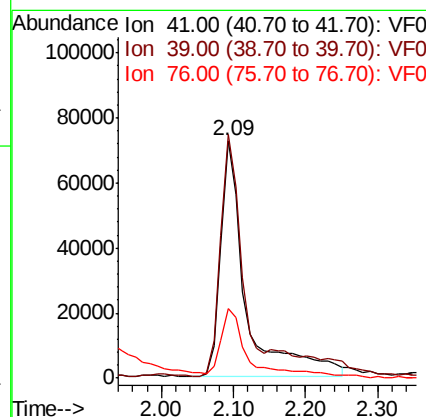
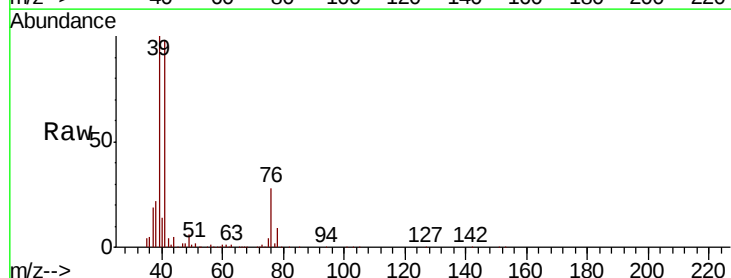
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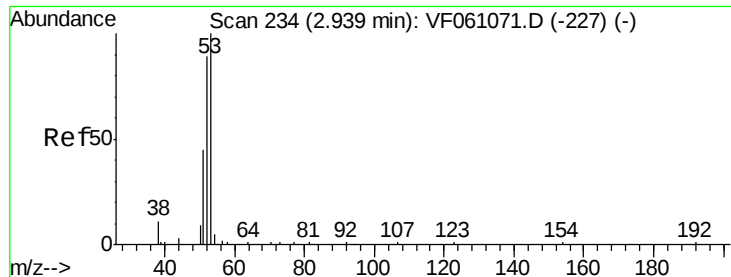
MMDadoda  
1/2/2019 11:51:22 AM



#14  
Allyl chloride  
Concen: 90.890 ug/l  
RT: 2.09 min Scan# 148  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 102.5 | 96.4  | 144.6 |
| 76      | 29.1  | 25.4  | 38.0  |





#15

Acrylonitrile

Concen: 283.474 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

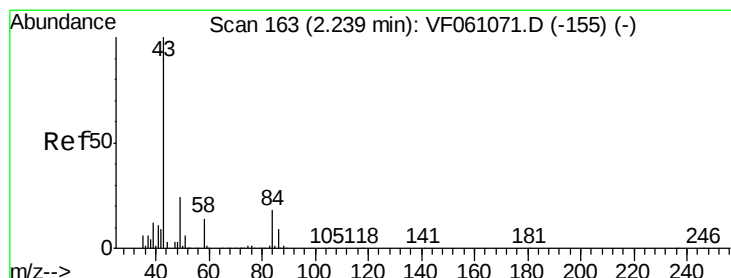
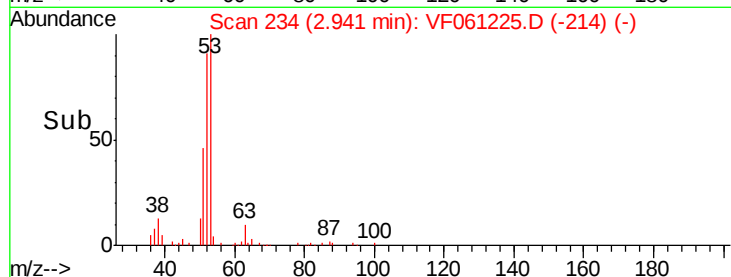
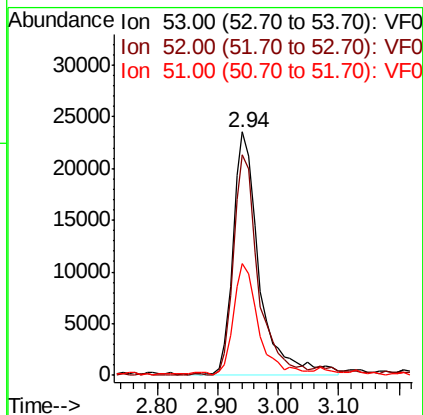
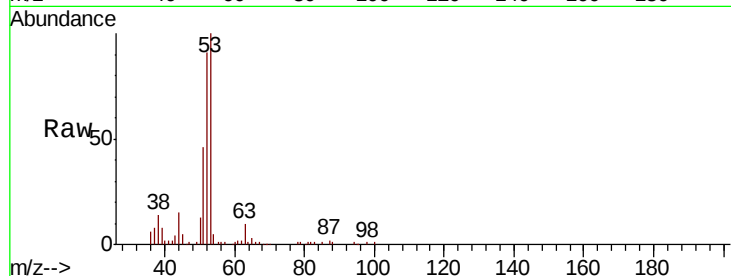
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 71659 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 90.7  | 71.3  | 106.9 |
| 51       | 45.7  | 36.8  | 55.2  |

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#16

Acetone

Concen: 268.198 ug/l

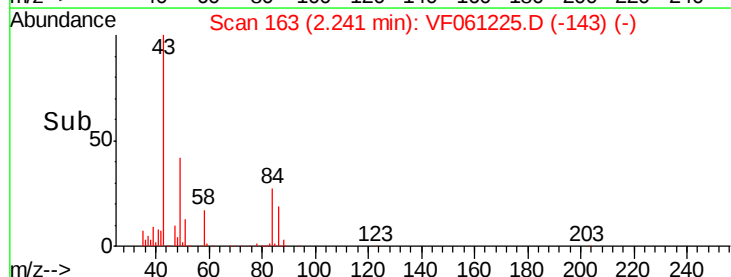
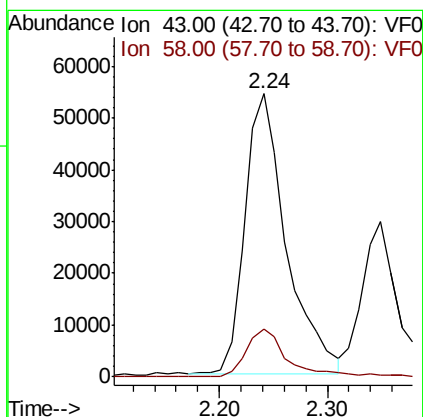
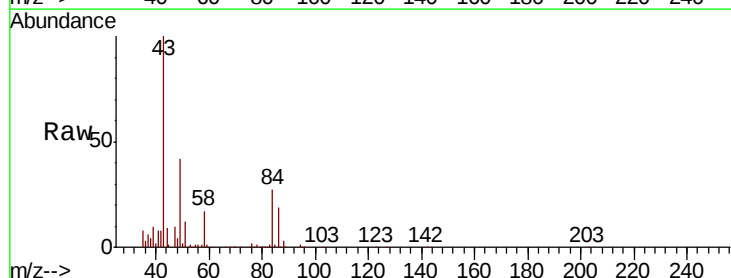
RT: 2.24 min Scan# 163

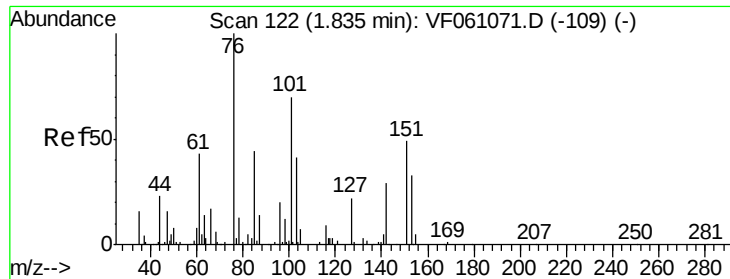
Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 145245 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 17.1  | 11.1  | 16.7#  |





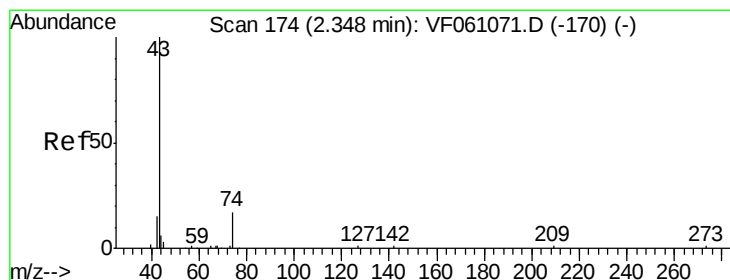
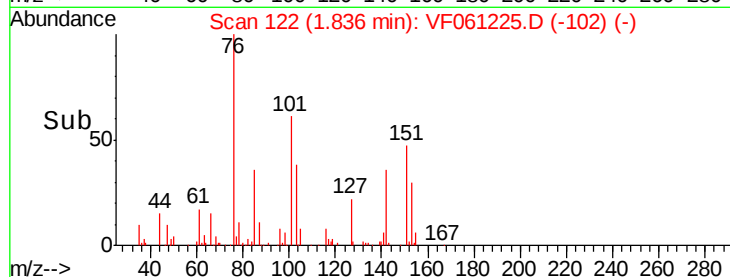
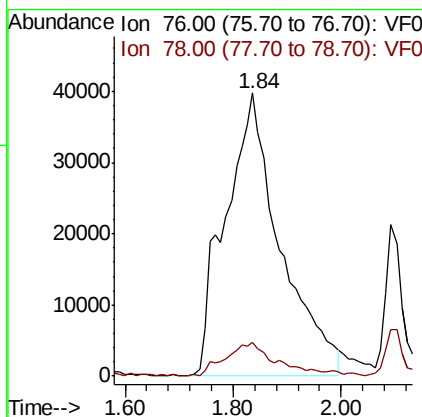
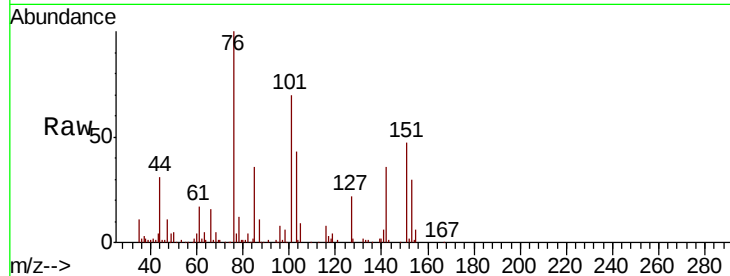
#17  
Carbon Disulfide  
Concen: 49.930 ug/l  
RT: 1.84 min Scan# 122  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

Tot Ion: 76 Resp: 280153  
Ion Ratio Lower Upper  
76 100  
78 11.9 10.2 15.4

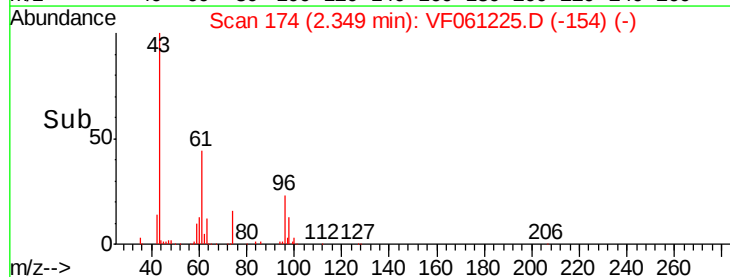
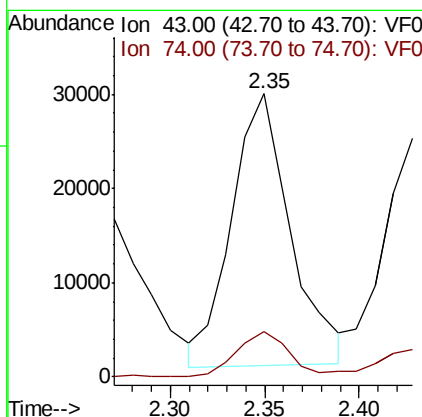
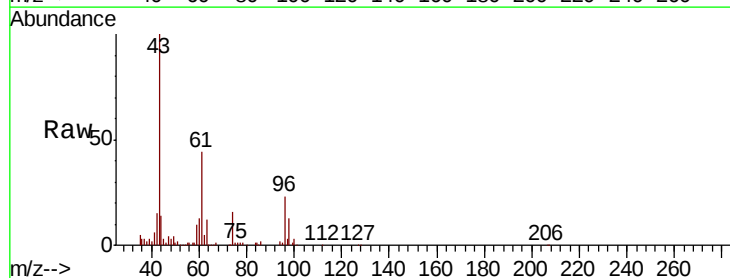
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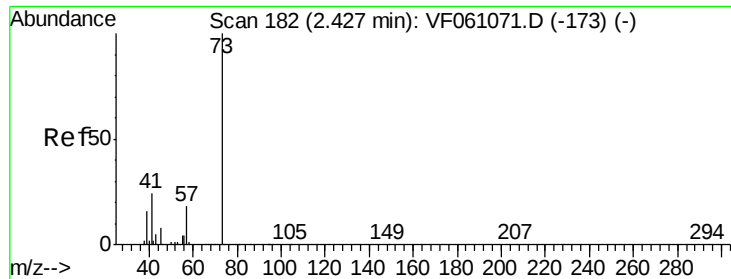
MMDadoda  
1/2/2019 11:51:22 AM



#18  
Methyl Acetate  
Concen: 55.555 ug/l  
RT: 2.35 min Scan# 174  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

Tgt Ion: 43 Resp: 62246  
Ion Ratio Lower Upper  
43 100  
74 16.0 11.0 16.6





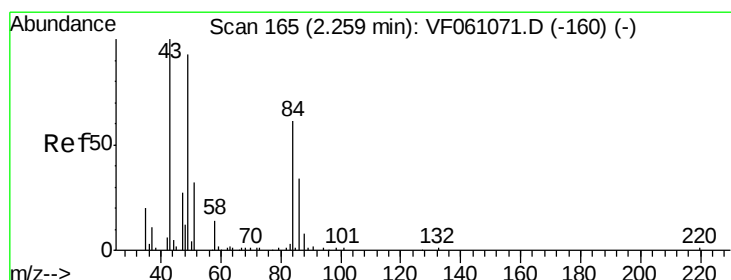
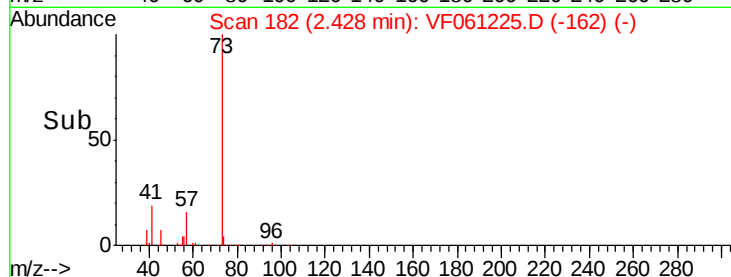
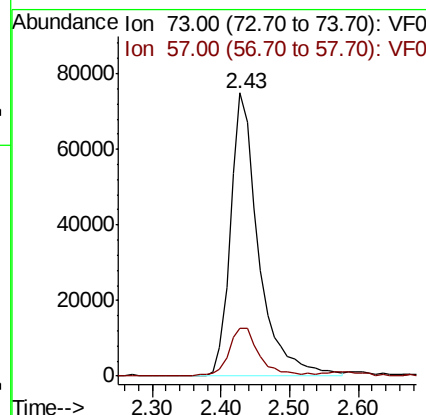
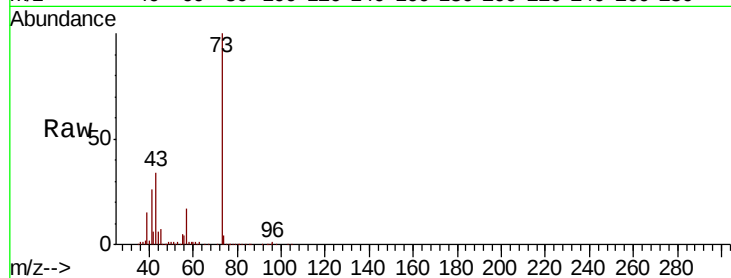
#19  
Methvl tert-butvl Ether  
Concen: 51.362 ug/l  
RT: 2.43 min Scan# 182  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 16.8  | 14.5  | 21.7  |

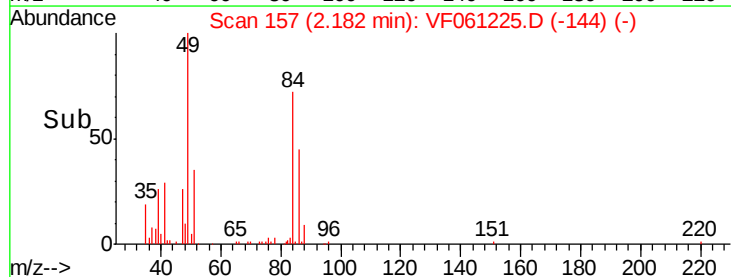
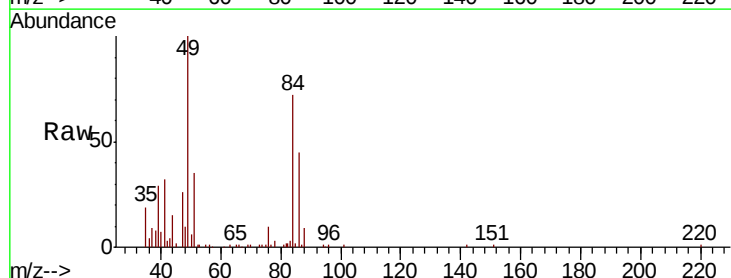
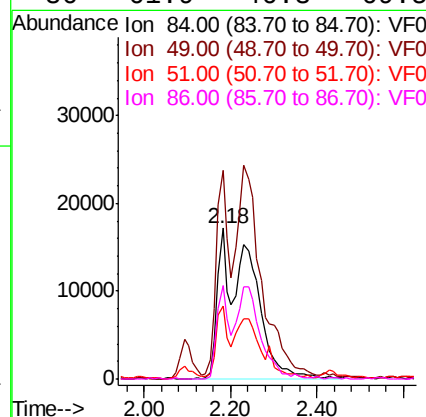
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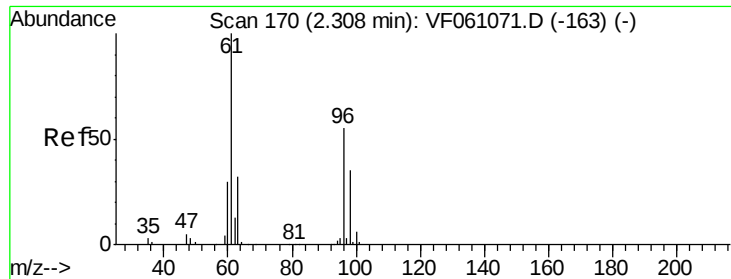
MMDadoda  
1/2/2019 11:51:22 AM



#20  
Methylene Chloride  
Concen: 53.514 ug/l m  
RT: 2.18 min Scan# 157  
Delta R.T. -0.08 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 138.3 | 129.4 | 194.2 |
| 51      | 48.7  | 44.0  | 66.0  |
| 86      | 61.9  | 46.3  | 69.5  |





#21

trans-1,2-Dichloroethene

Concen: 51.086 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

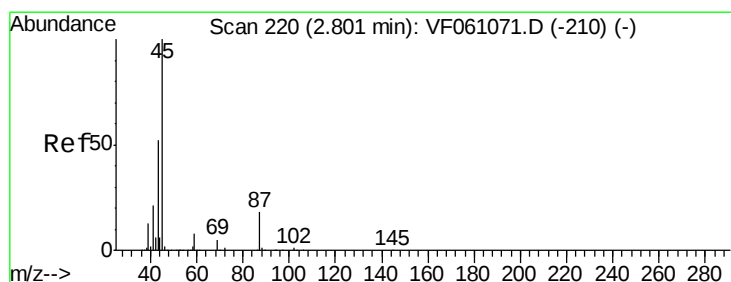
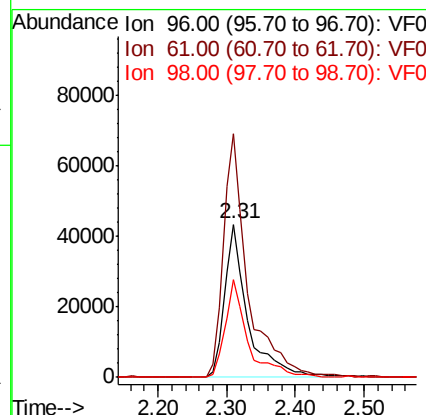
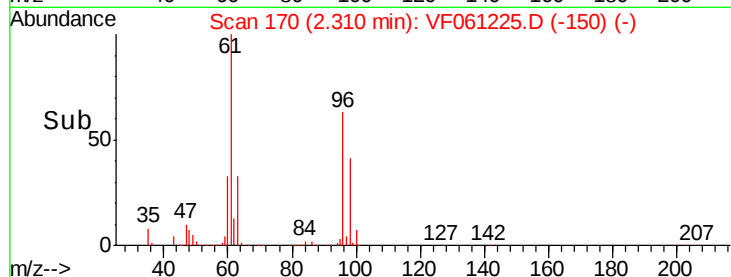
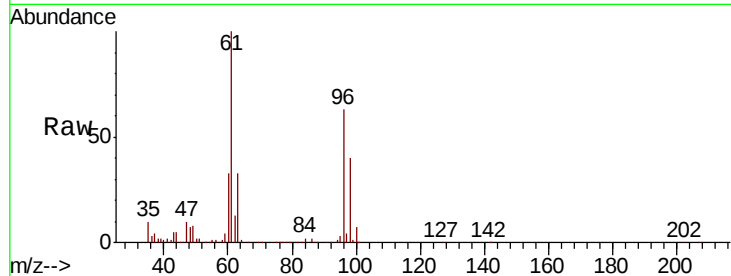
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 101446 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 159.4 | 146.0 | 219.0  |
| 98       | 64.3  | 51.6  | 77.4   |

Manual Integrations  
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MMDadoda  
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#22

Diisopropyl ether

Concen: 53.980 ug/l

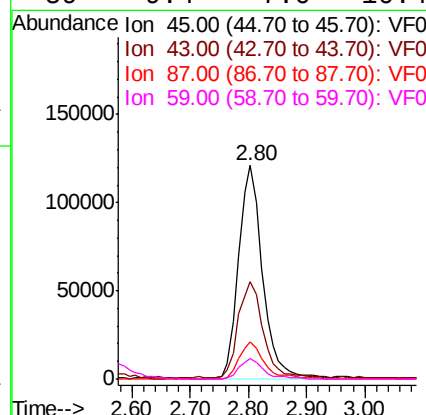
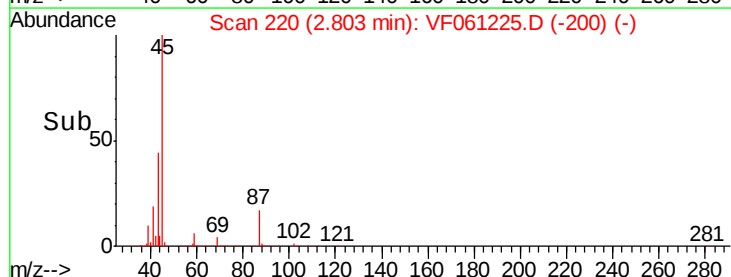
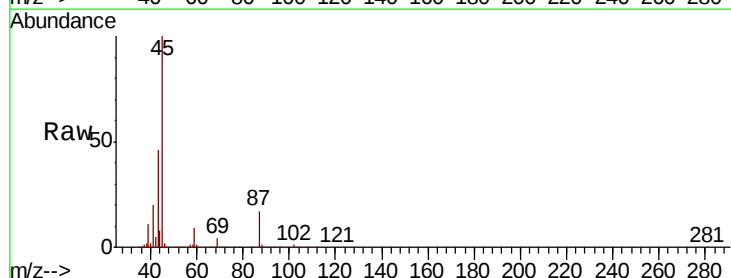
RT: 2.80 min Scan# 220

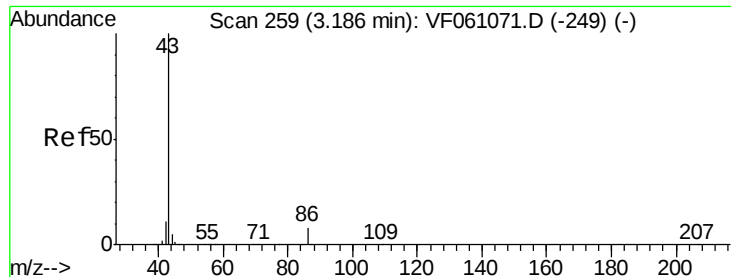
Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 347417 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 45.8  | 42.2  | 63.2   |
| 87       | 17.3  | 14.6  | 22.0   |
| 59       | 9.4   | 7.0   | 10.4   |





#23

Vinyl Acetate

Concen: 271.091 ug/l

RT: 3.19 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 804894

Ion Ratio Lower Upper

43 100

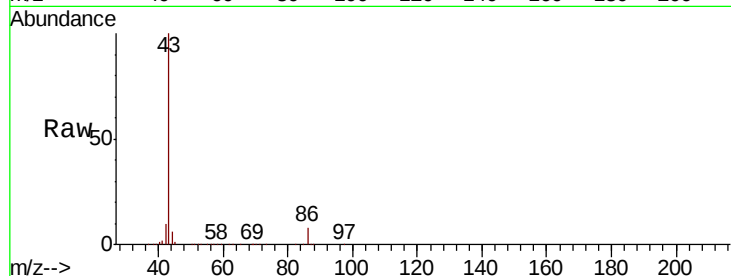
86 7.6 6.3 9.5

Manual Integrations

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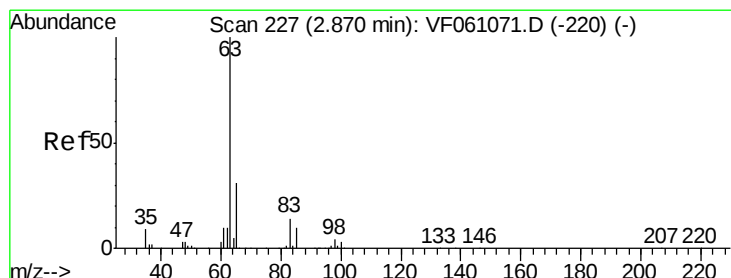
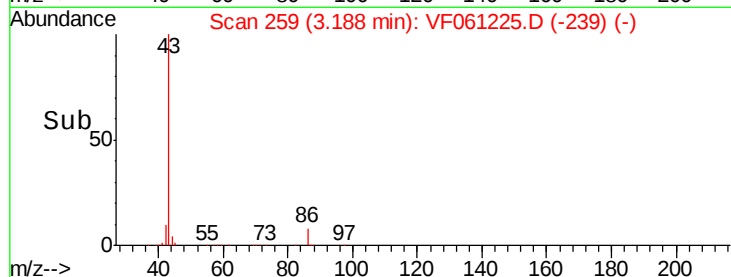
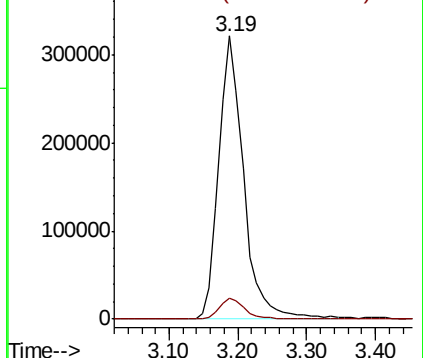
MMDadoda

1/2/2019 11:51:22 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 54.747 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

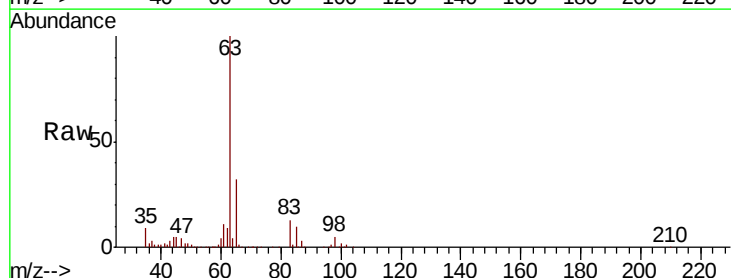
Tgt Ion: 63 Resp: 208769

Ion Ratio Lower Upper

63 100

98 4.7 2.1 6.5

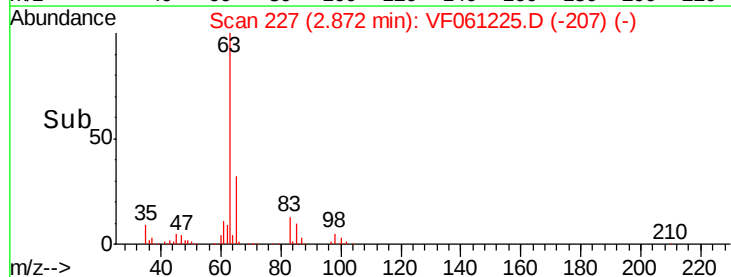
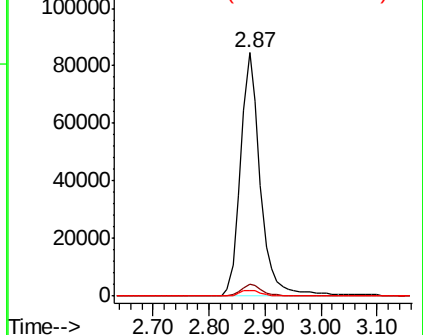
100 2.5 1.7 5.1

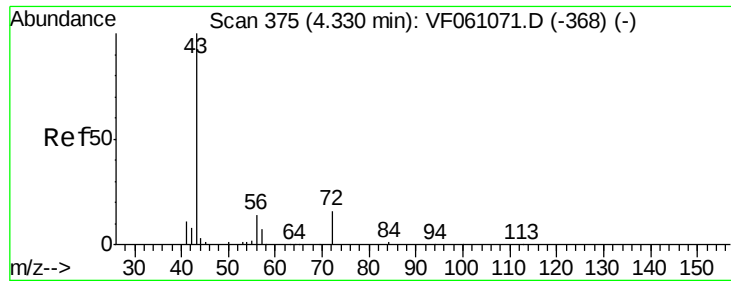


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 262.491 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 230547

Ion Ratio Lower Upper

43 100

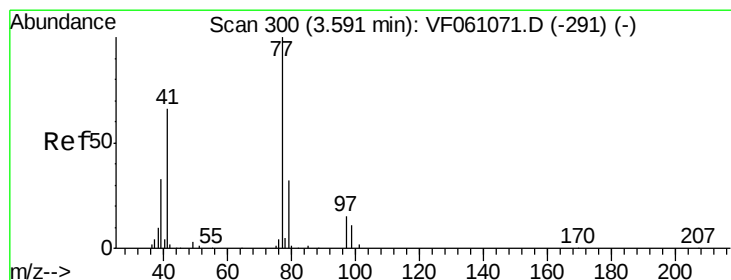
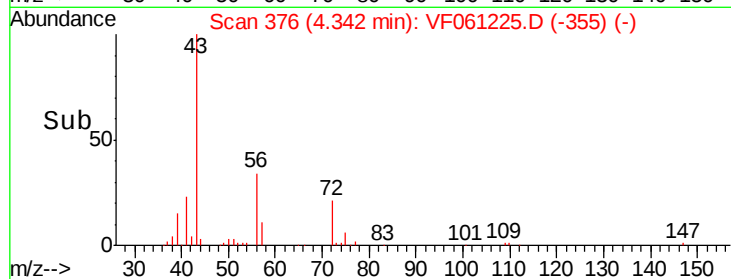
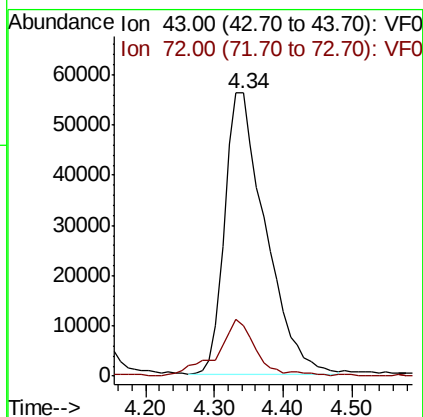
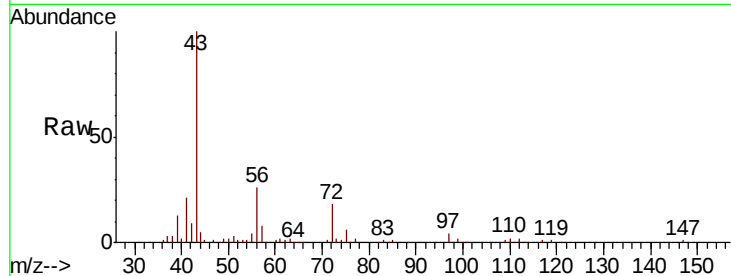
72 17.8 15.6 23.4

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#26

2,2-Dichloropropane

Concen: 58.378 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061225.D

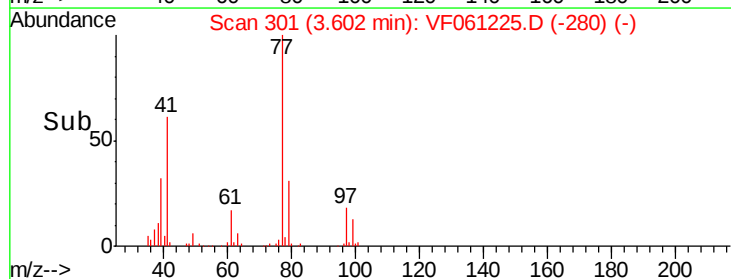
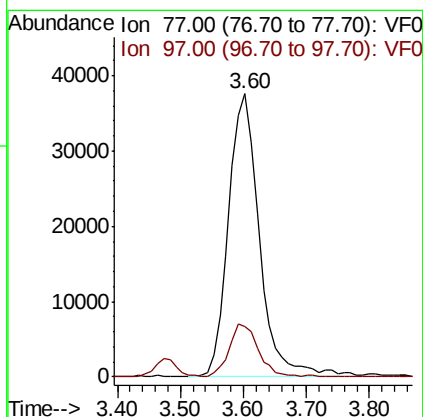
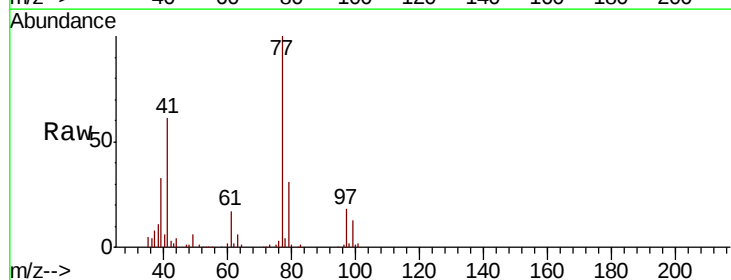
Acq: 28 Dec 2018 9:43

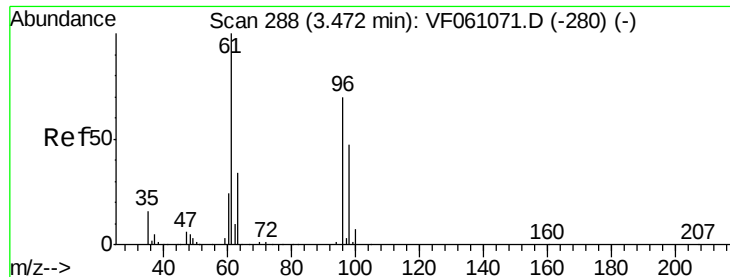
Tgt Ion: 77 Resp: 127754

Ion Ratio Lower Upper

77 100

97 17.7 8.2 24.4





#27

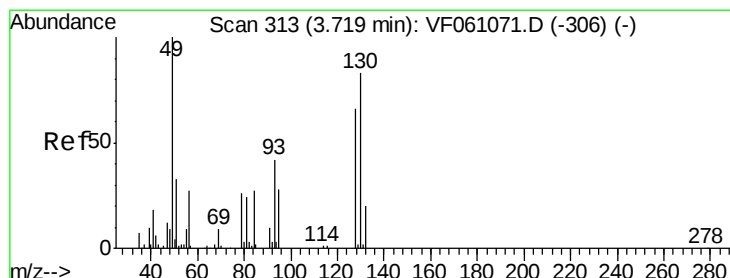
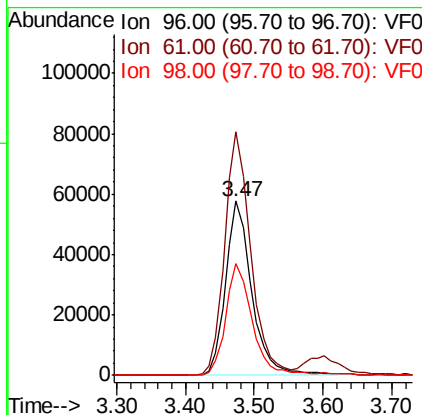
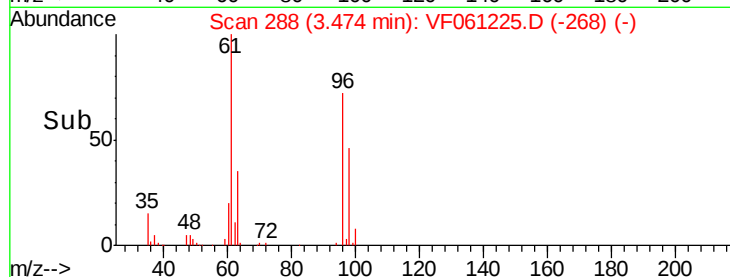
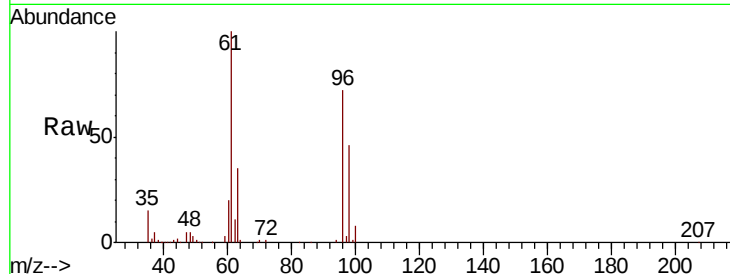
cis-1,2-Dichloroethene  
Concen: 50.245 ug/l  
RT: 3.47 min Scan# 288  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 152751 |       |       |
| 61      | 139.8 | 0.0    | 287.8 |       |
| 98      | 64.0  | 0.0    | 134.2 |       |

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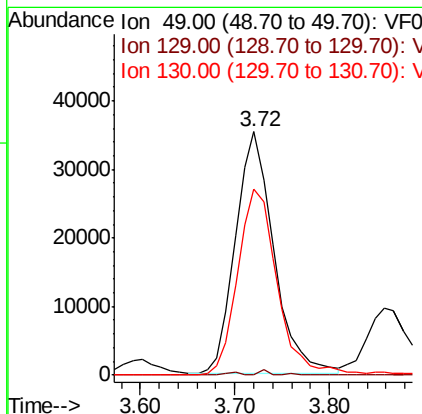
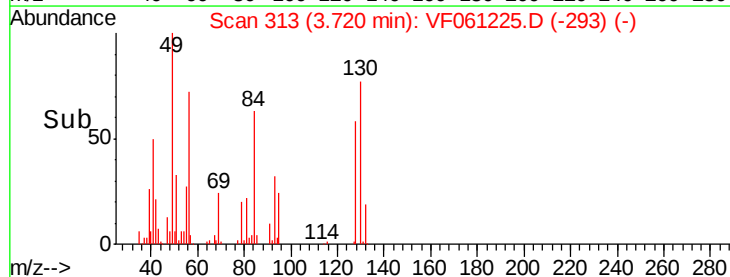
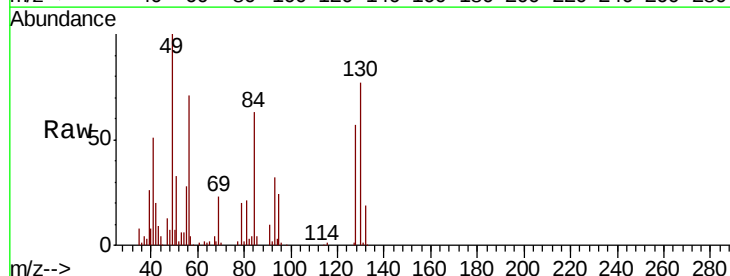
MMDadoda  
1/2/2019 11:51:22 AM

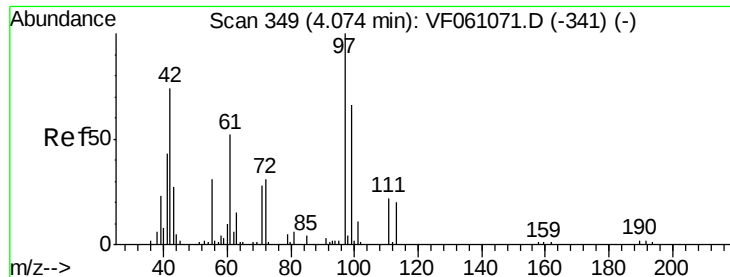


#28

Bromochloromethane  
Concen: 51.008 ug/l  
RT: 3.72 min Scan# 313  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 98695 |       |       |
| 129     | 0.0   | 0.0   | 3.6   |       |
| 130     | 76.6  | 65.8  | 98.6  |       |





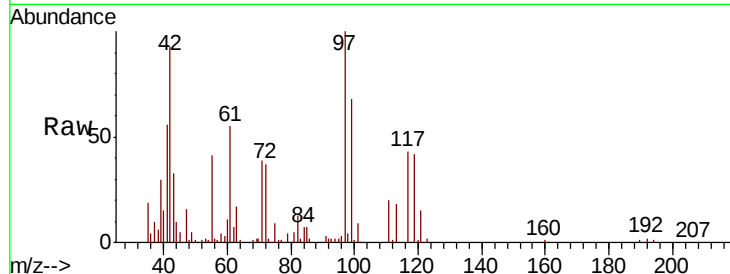
#29  
Tetrahydrofuran  
Concen: 268.505 ug/l  
RT: 4.08 min Scan# 349  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

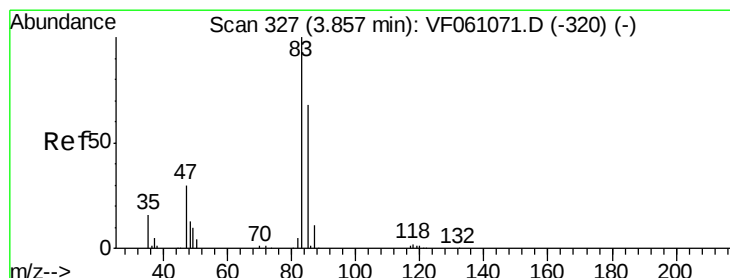
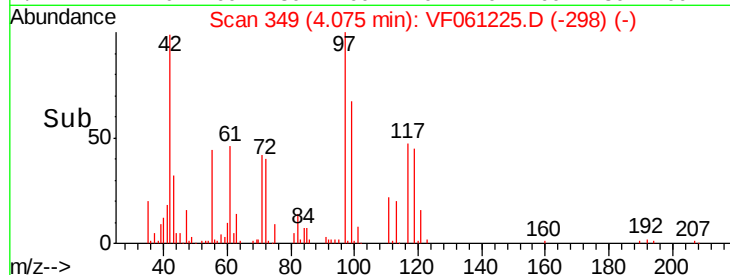
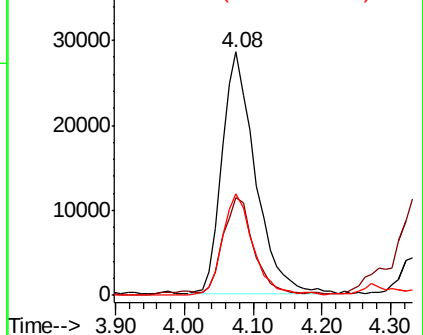
| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 42      | 100   | 95985 |       |       |
| 72      | 36.8  |       | 31.8  | 47.8  |
| 71      | 38.8  |       | 29.7  | 44.5  |

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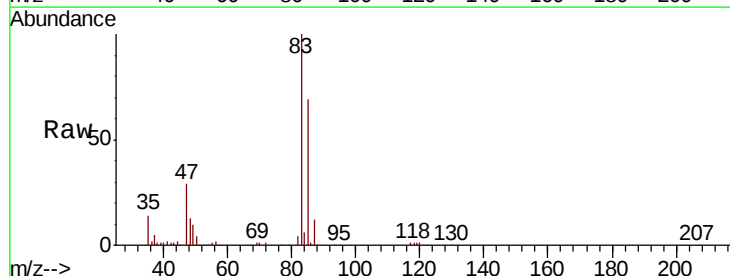


Abundance Ion 42.00 (41.70 to 42.70): VF0  
Ion 72.00 (71.70 to 72.70): VF0  
Ion 71.00 (70.70 to 71.70): VF0

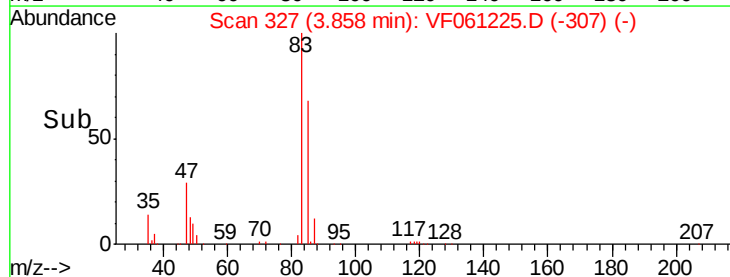
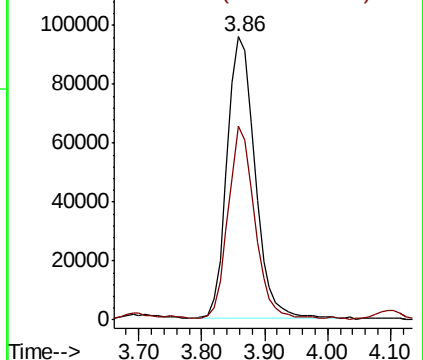


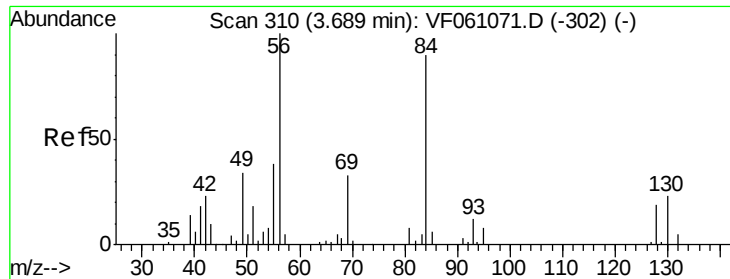
#30  
Chloroform  
Concen: 51.454 ug/l  
RT: 3.86 min Scan# 327  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 294205 |       |       |
| 85      | 68.6  |        | 54.5  | 81.7  |



Abundance Ion 83.00 (82.70 to 83.70): VF0  
Ion 85.00 (84.70 to 85.70): VF0





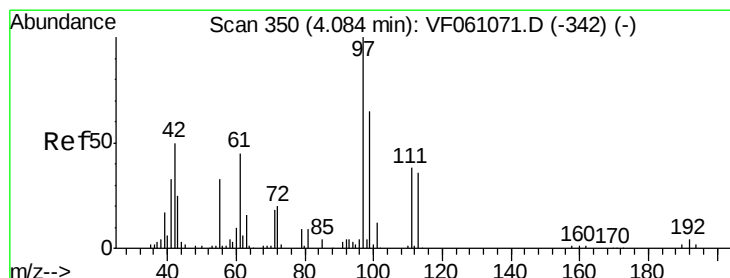
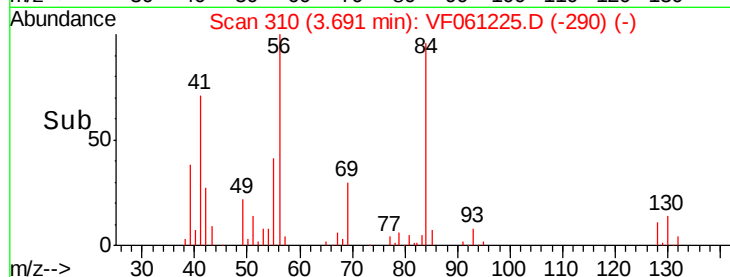
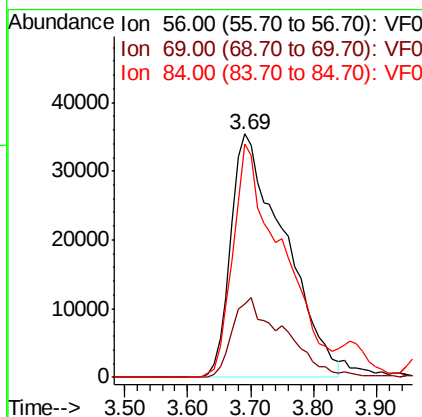
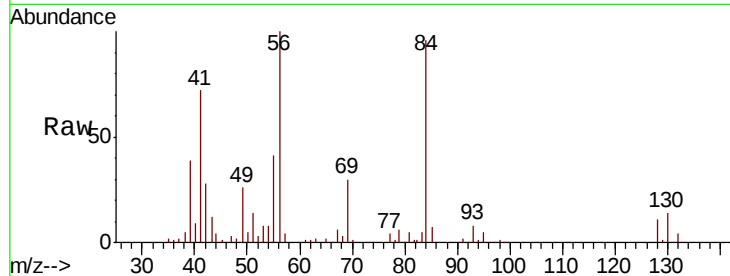
#31  
Cyclohexane  
Concen: 52.615 ug/l  
RT: 3.69 min Scan# 310  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 30.2  | 26.0  | 39.0  |
| 84      | 95.6  | 71.4  | 107.2 |

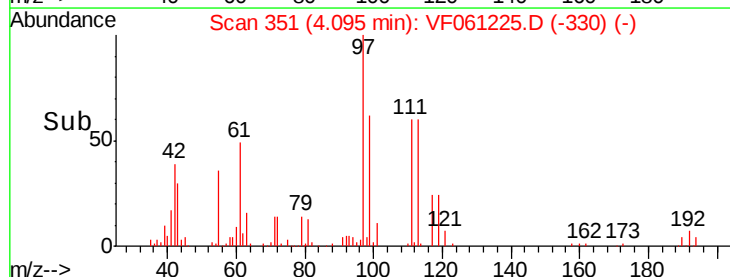
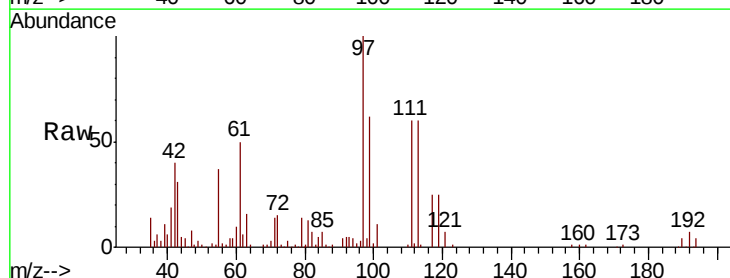
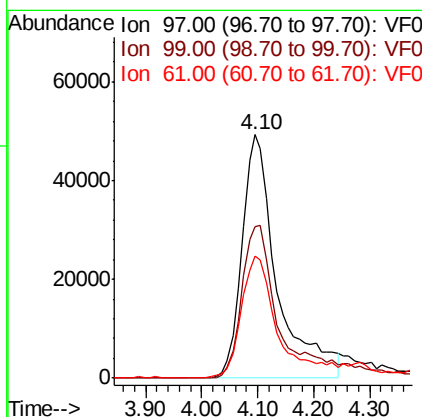
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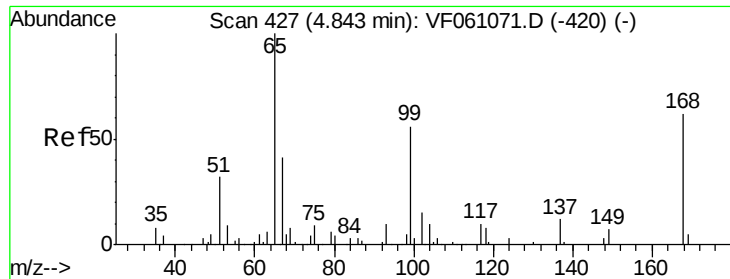
MMDadoda  
1/2/2019 11:51:22 AM



#32  
1,1,1-Trichloroethane  
Concen: 62.505 ug/l  
RT: 4.10 min Scan# 351  
Delta R.T. 0.01 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 62.4  | 51.6  | 77.4  |
| 61      | 50.0  | 36.2  | 54.2  |





#33

1,2-Dichloroethane-d4

Concen: 47.513 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Tot Ion: 65 Resp: 128713

Ion Ratio Lower Upper

65 100

67 49.7 0.0 94.6

Instrument :

MSVOA\_F

ClientSampleId :

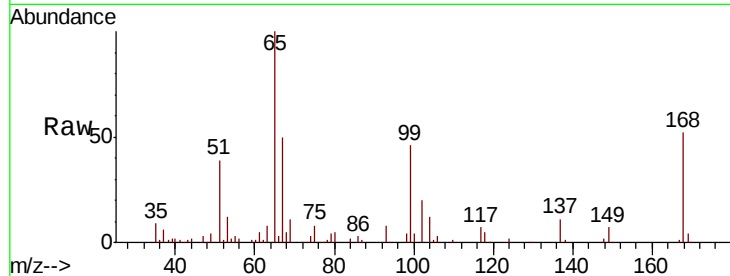
VSTDCCC050

Manual Integrations

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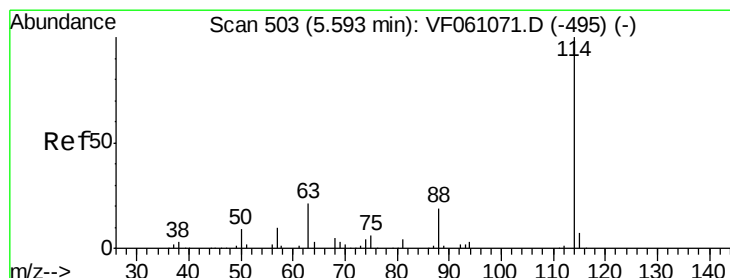
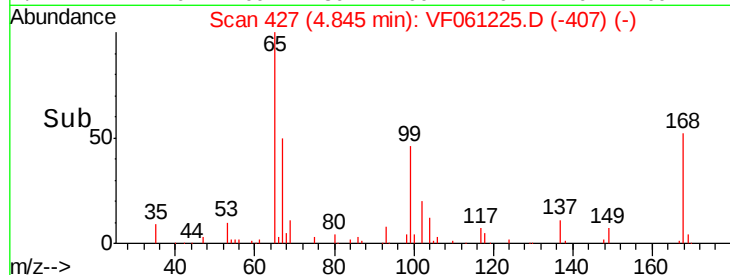
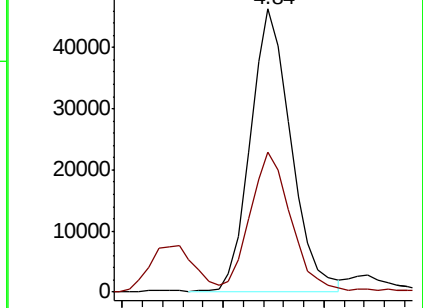
MMDadoda

1/2/2019 11:51:22 AM



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

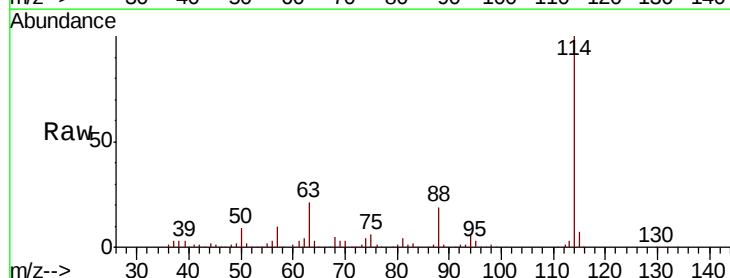
Tgt Ion: 114 Resp: 360858

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.6

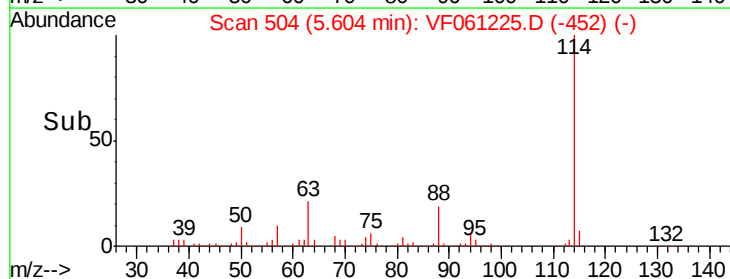
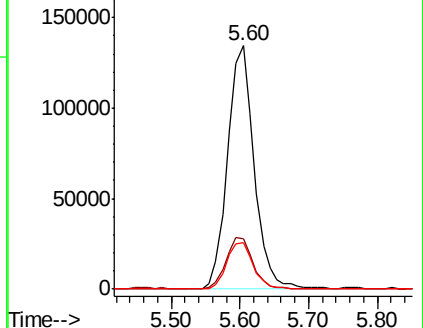
88 19.0 0.0 38.0

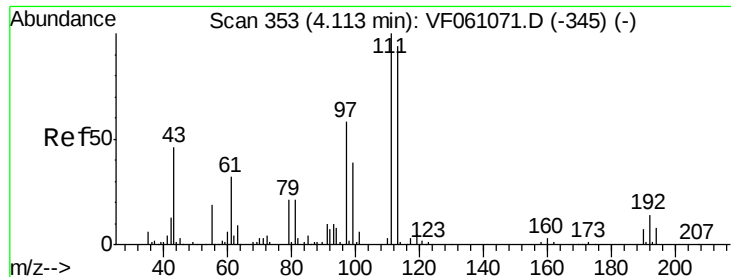


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





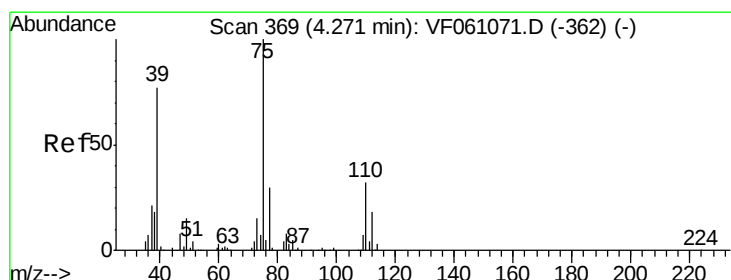
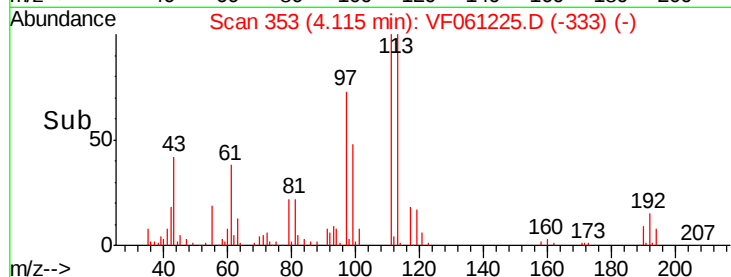
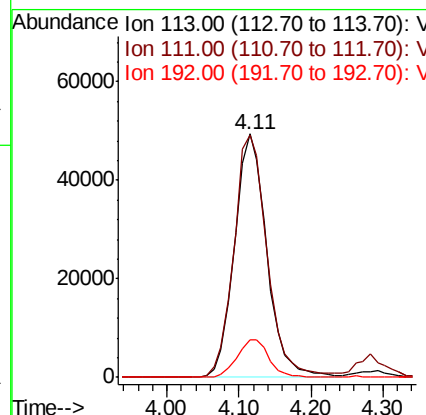
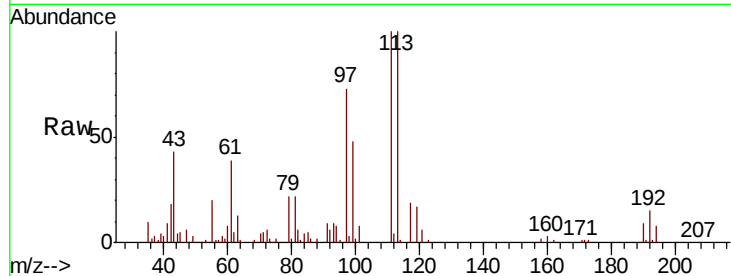
#35  
 Dibromofluoromethane  
 Concen: 53.596 ug/l  
 RT: 4.11 min Scan# 353  
 Delta R.T. 0.00 min  
 Lab File: VF061225.D  
 Acq: 28 Dec 2018 9:43

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 154929 |       |       |
| 111     | 99.5  | 85.2   | 127.8 |       |
| 192     | 15.2  | 12.8   | 19.2  |       |

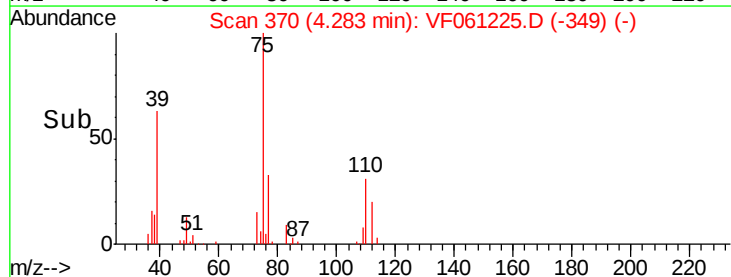
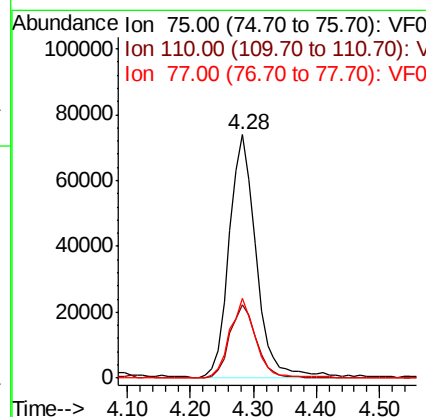
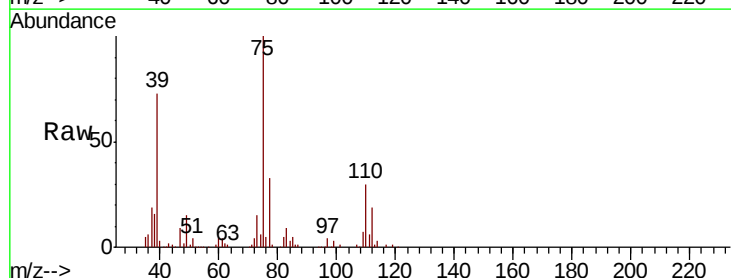
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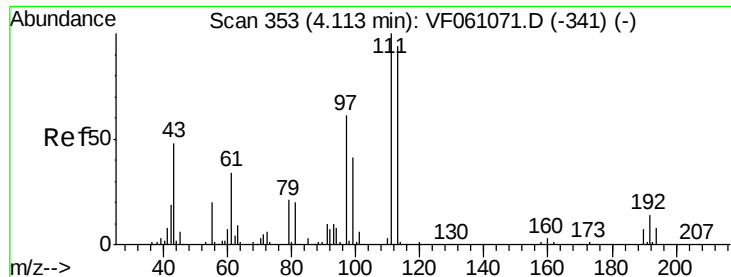
MMDadoda  
 1/2/2019 11:51:22 AM



#36  
 1,1-Dichloropropene  
 Concen: 49.744 ug/l  
 RT: 4.28 min Scan# 370  
 Delta R.T. 0.01 min  
 Lab File: VF061225.D  
 Acq: 28 Dec 2018 9:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 216675 |       |       |
| 110     | 30.3  | 16.1   | 48.2  |       |
| 77      | 32.6  | 24.5   | 36.7  |       |





#37

Ethyl Acetate

Concen: 55.660 ug/l

RT: 4.11 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

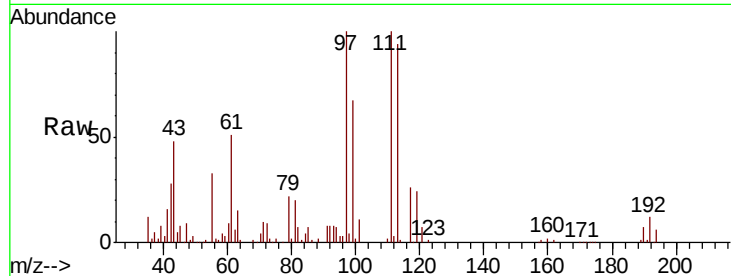
ClientSampleId :

VSTDCCC050

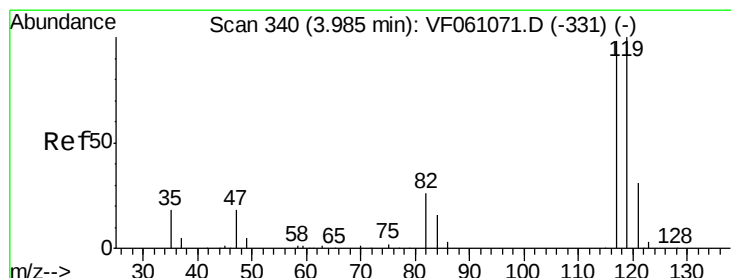
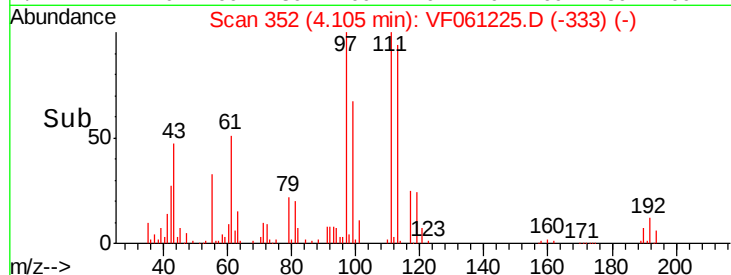
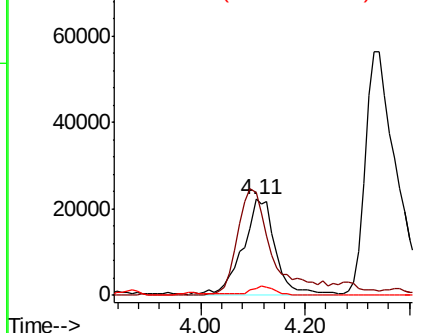
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 43    | Resp: | 92415 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 106.8 | 56.6  | 84.8# |
| 70        | 7.6   | 6.3   | 9.5   |

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Abundance Ion 43.00 (42.70 to 43.70): VF0  
Ion 61.00 (60.70 to 61.70): VF0  
Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 54.886 ug/l

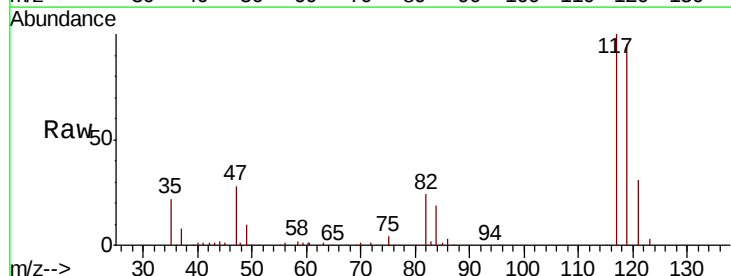
RT: 3.99 min Scan# 340

Delta R.T. 0.00 min

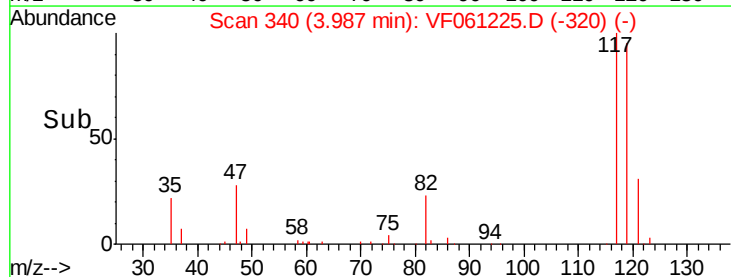
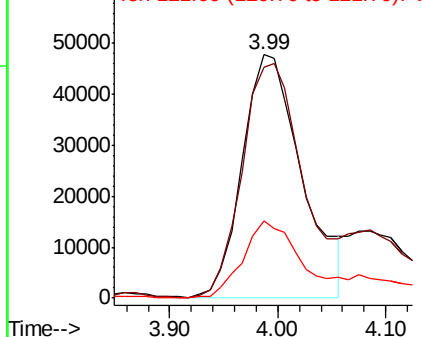
Lab File: VF061225.D

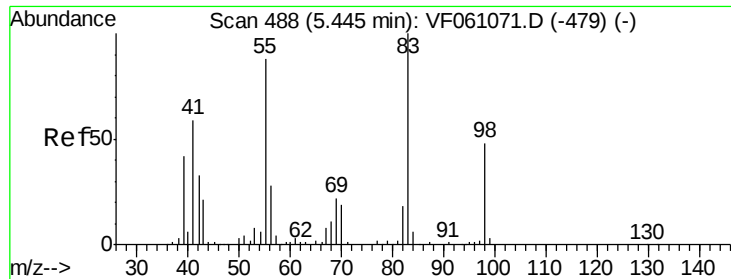
Acq: 28 Dec 2018 9:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 182064 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 94.9  | 82.1  | 123.1  |
| 121       | 31.5  | 25.5  | 38.3   |



Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 119.00 (118.70 to 119.70): V  
Ion 121.00 (120.70 to 121.70): V





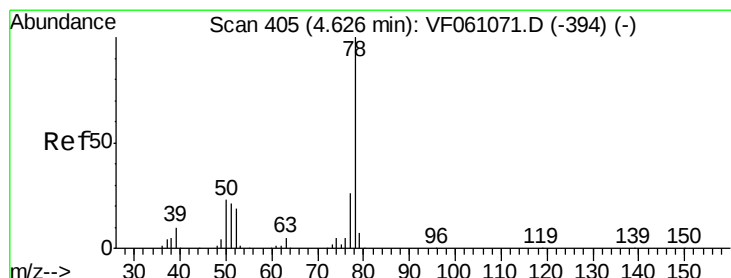
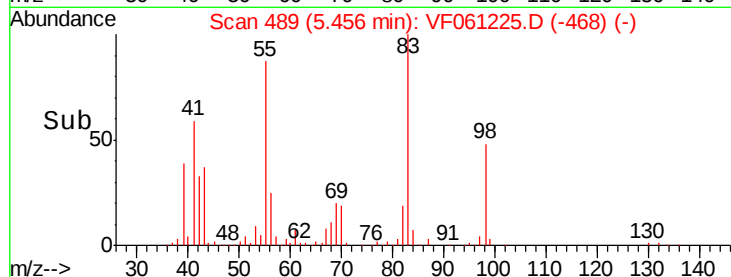
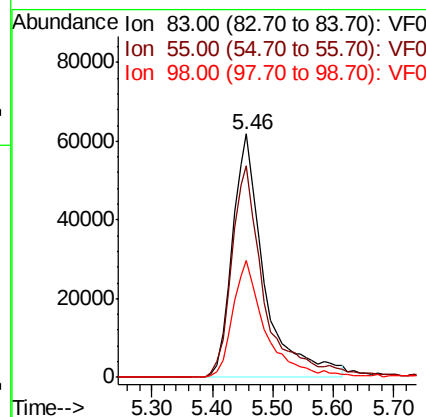
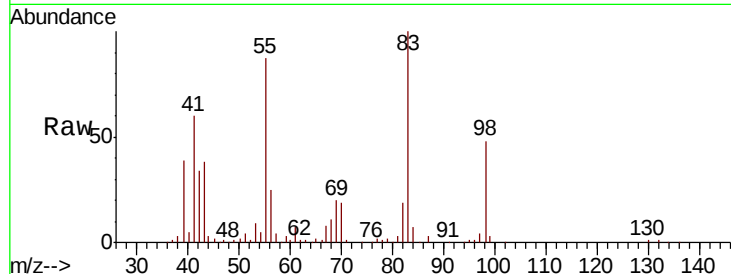
#39  
Methvlcvclohexane  
Concen: 58.017 ug/l  
RT: 5.46 min Scan# 489  
Delta R.T. 0.01 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 87.0  | 70.6  | 105.8 |
| 98      | 48.0  | 38.5  | 57.7  |

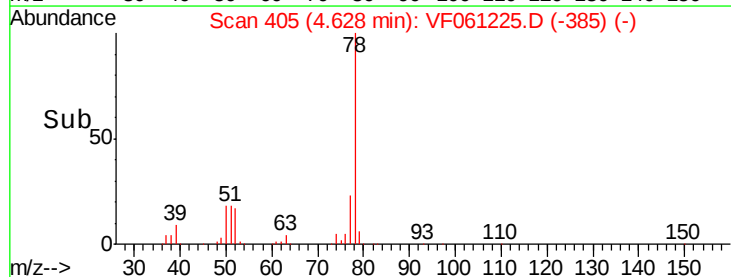
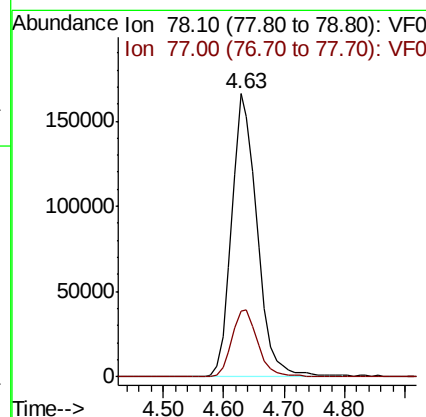
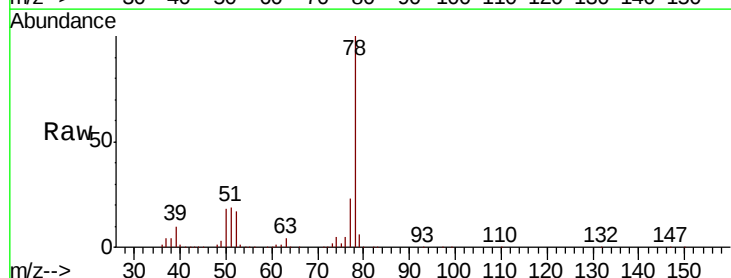
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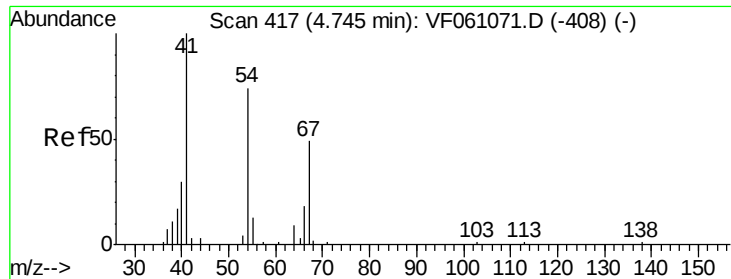
MMDadoda  
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#40  
Benzene  
Concen: 51.960 ug/l  
RT: 4.63 min Scan# 405  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.1  | 20.7  | 31.1  |





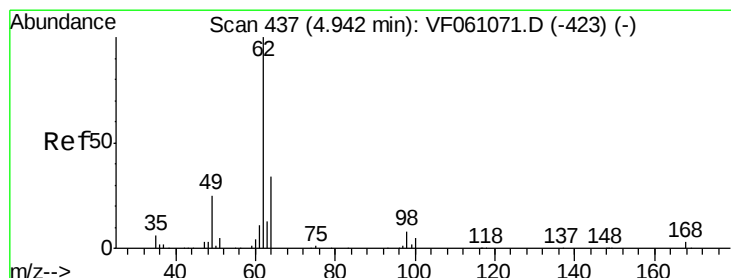
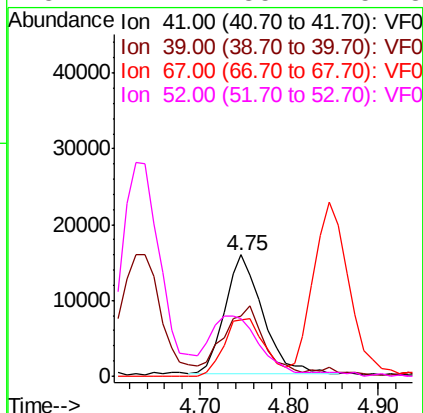
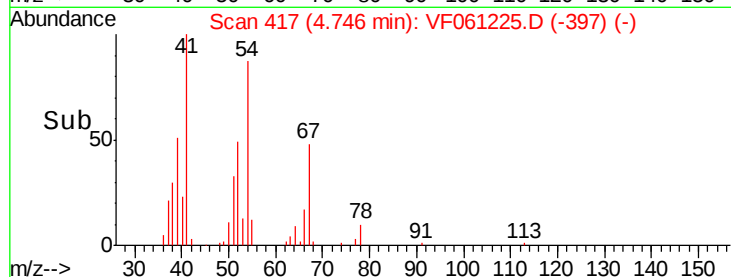
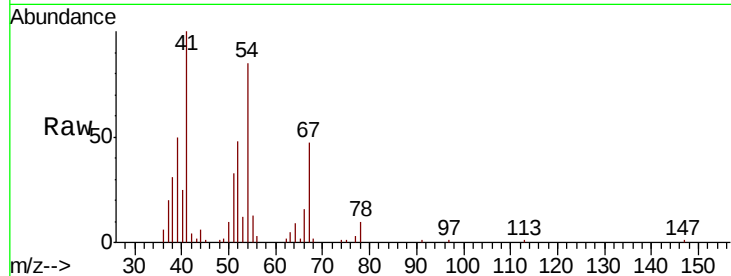
#41  
Methacrylonitrile  
Concen: 51.046 ug/l  
RT: 4.75 min Scan# 417  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 41      | 41  | 100   |       |       |
| 39      | 39  | 49.9  | 45.7  | 68.5  |
| 67      | 67  | 46.9  | 38.9  | 58.3  |
| 52      | 52  | 47.7  | 35.2  | 52.8  |

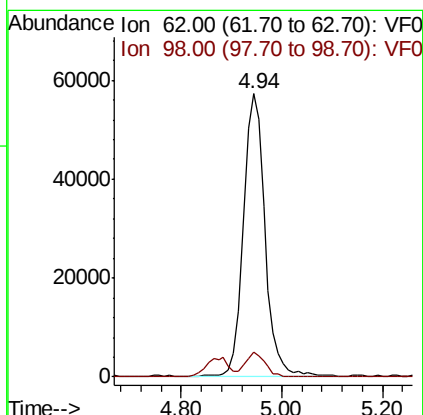
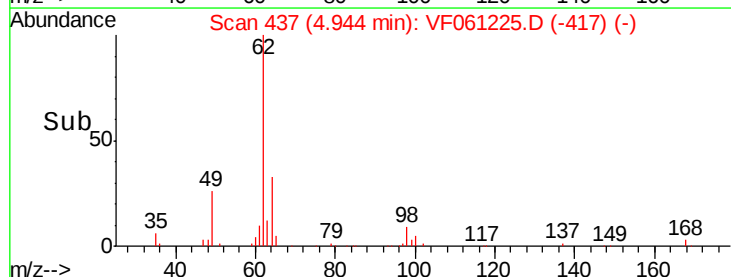
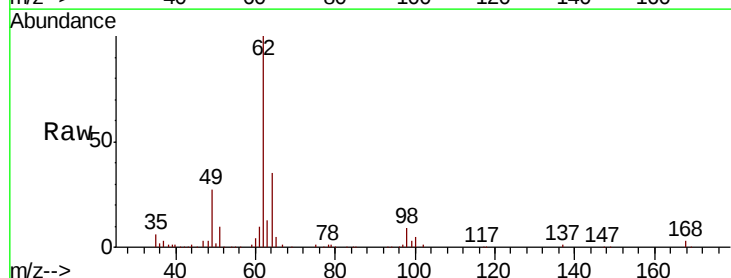
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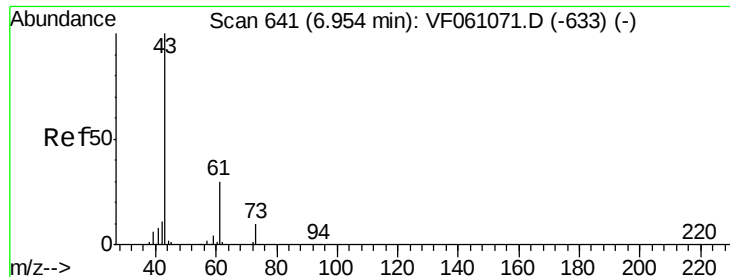
MMDadoda  
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#42  
1,2-Dichloroethane  
Concen: 48.030 ug/l  
RT: 4.94 min Scan# 437  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 62  | 100   |       |       |
| 98      | 98  | 8.6   | 0.0   | 16.6  |





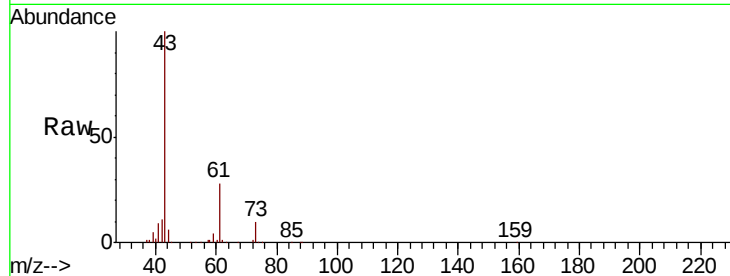
#43  
Isopropyl Acetate  
Concen: 53.096 ug/l  
RT: 6.96 min Scan# 641  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 28.1  | 23.8  | 35.8  |
| 87      | 0.0   | 0.0   | 0.0   |

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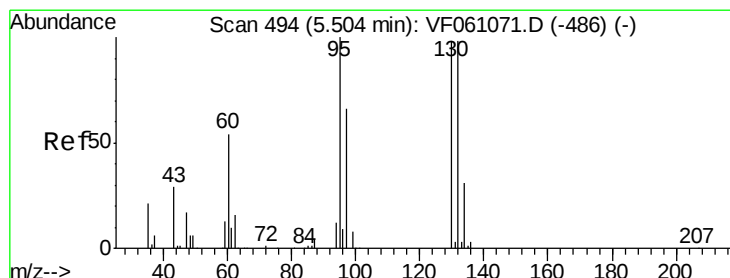
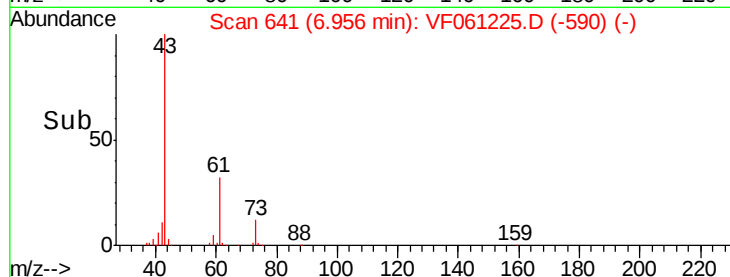
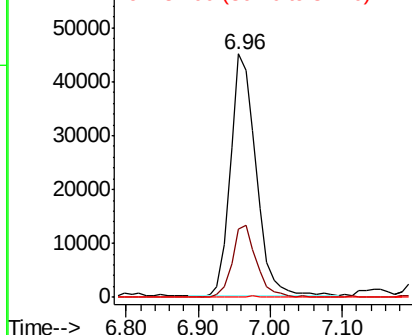


Abundance

Ion 43.00 (42.70 to 43.70): VF0

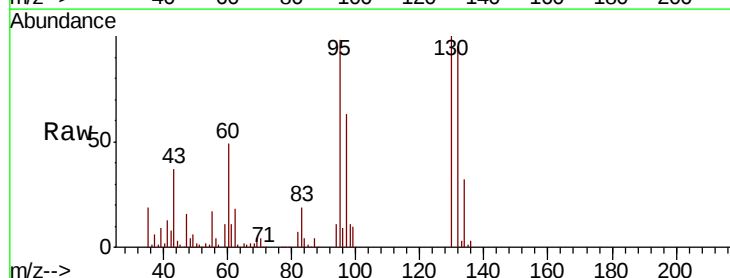
Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44  
Trichloroethene  
Concen: 50.624 ug/l  
RT: 5.51 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

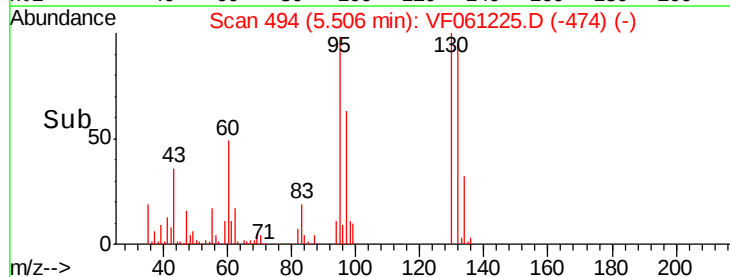
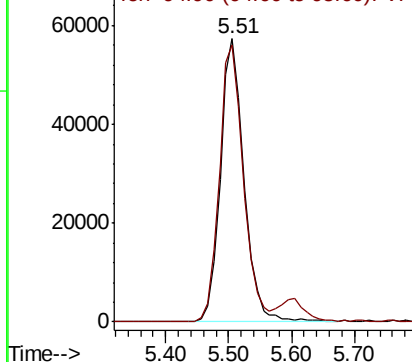
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 97.7  | 0.0   | 205.2 |



Abundance

Ion 129.90 (129.60 to 130.60): VF0

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 53.971 ug/l

RT: 6.24 min Scan# 568

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 137544

Ion Ratio Lower Upper

63 100

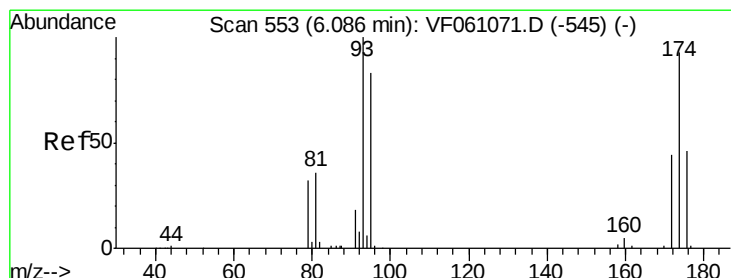
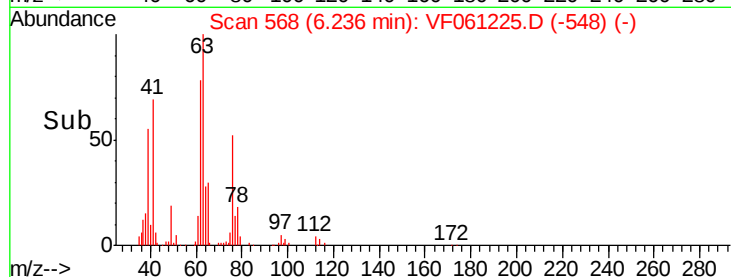
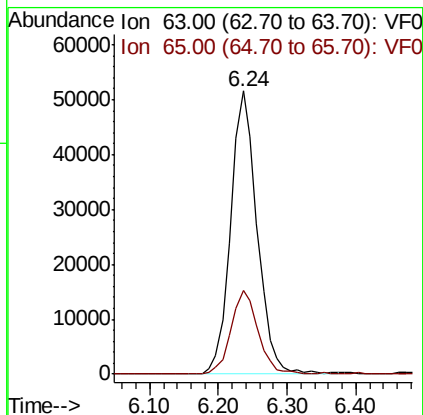
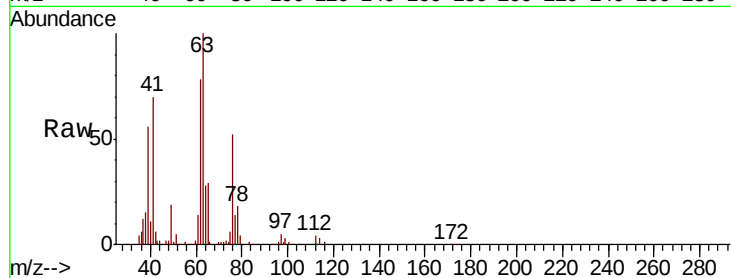
65 29.4 24.4 36.6

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#46

Dibromomethane

Concen: 50.815 ug/l

RT: 6.09 min Scan# 553

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

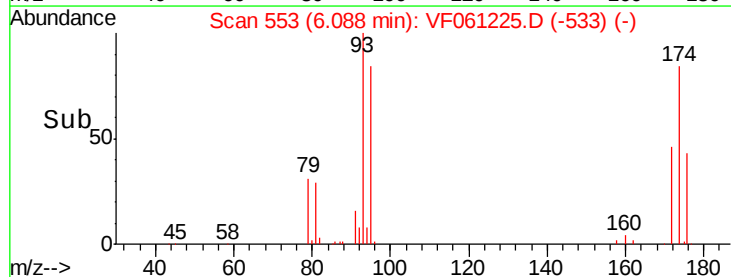
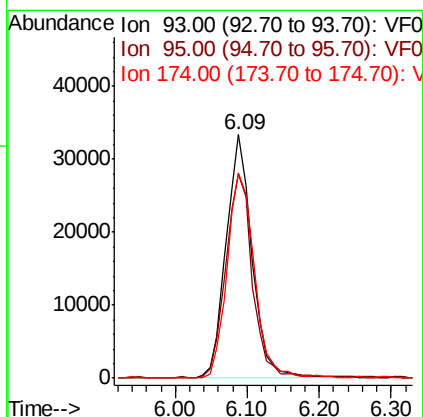
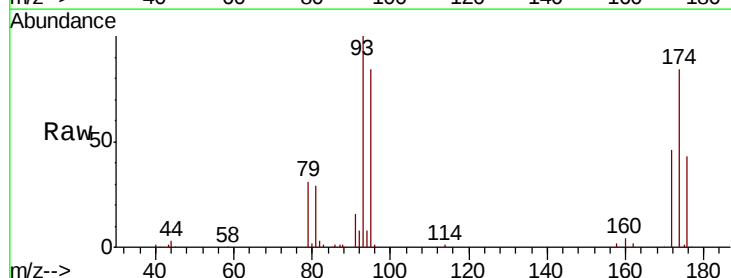
Tgt Ion: 93 Resp: 83994

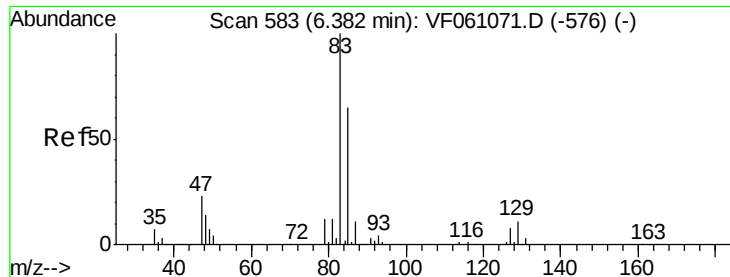
Ion Ratio Lower Upper

93 100

95 83.6 66.9 100.3

174 84.5 74.1 111.1





#47

Bromodichloromethane

Concen: 50.810 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

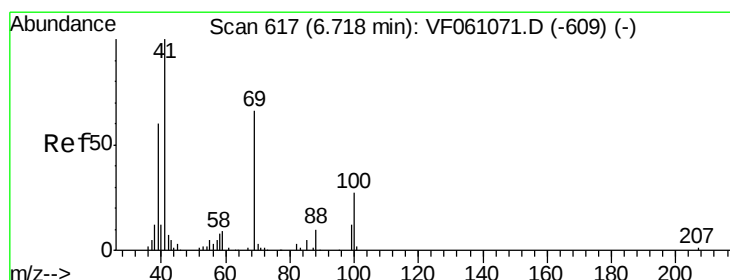
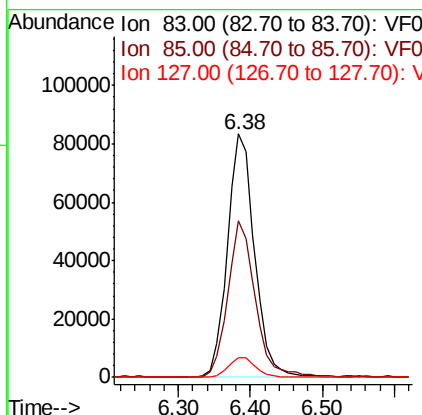
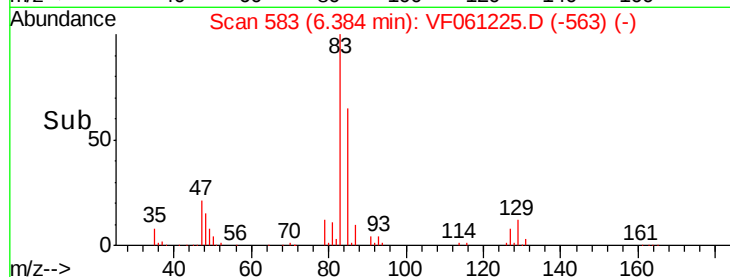
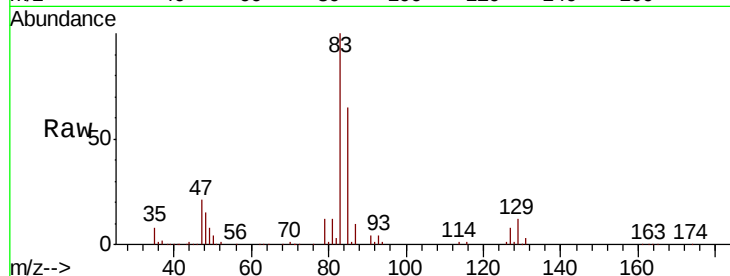
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 218214 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.5  | 52.2  | 78.4   |
| 127      | 8.2   | 6.1   | 9.1    |

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#48

Methyl methacrylate

Concen: 52.065 ug/l

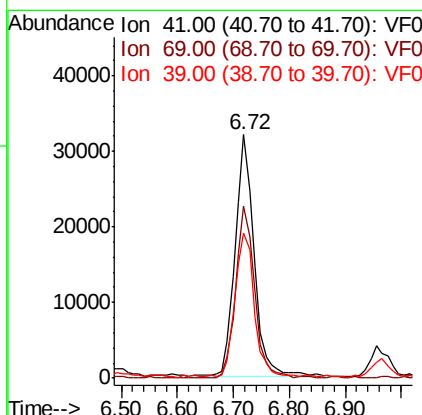
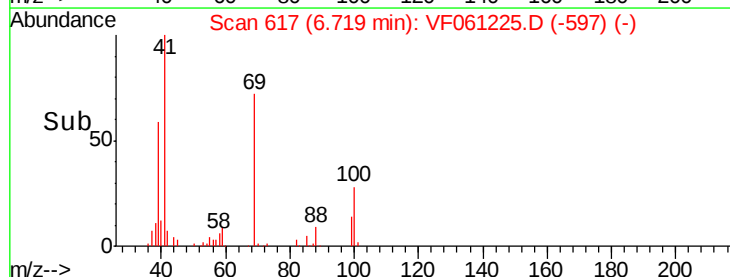
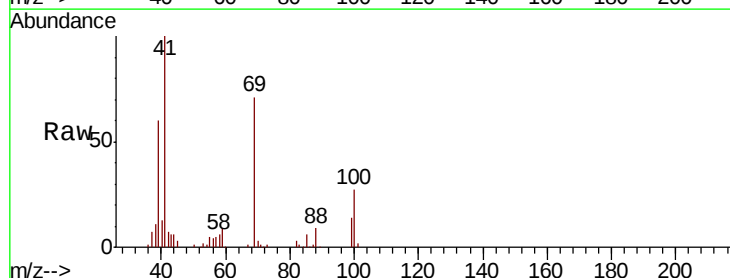
RT: 6.72 min Scan# 617

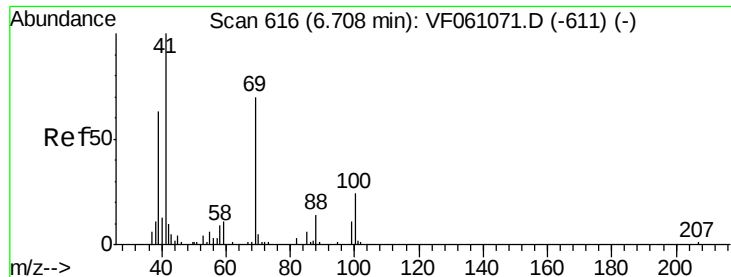
Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 76445 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 70.8  | 52.7  | 79.1  |
| 39       | 59.6  | 47.8  | 71.6  |





#49

1,4-Dioxane

Concen: 960.328 ug/l

RT: 6.71 min Scan# 616

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

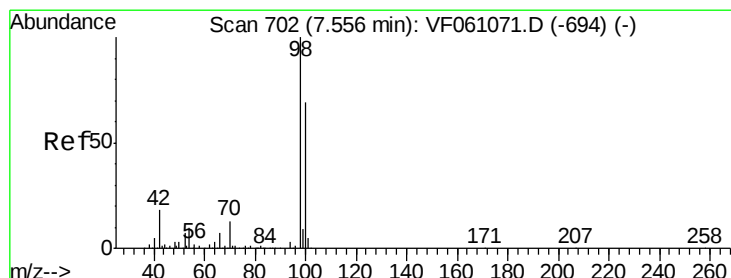
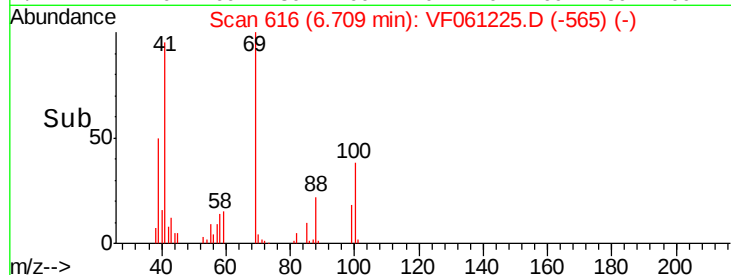
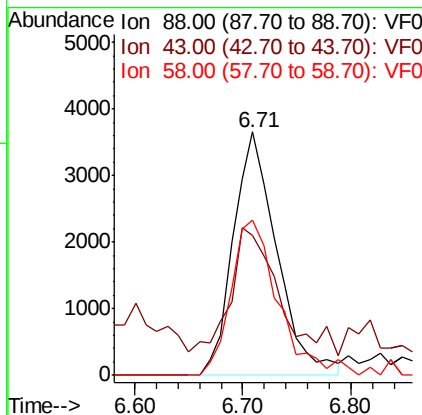
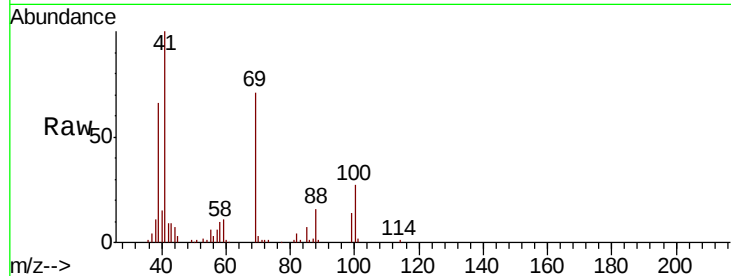
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 88    | Resp: | 10231 |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 57.6  | 33.3  | 49.9# |
| 58        | 63.7  | 53.2  | 79.8  |

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#50

Toluene-d8

Concen: 52.145 ug/l

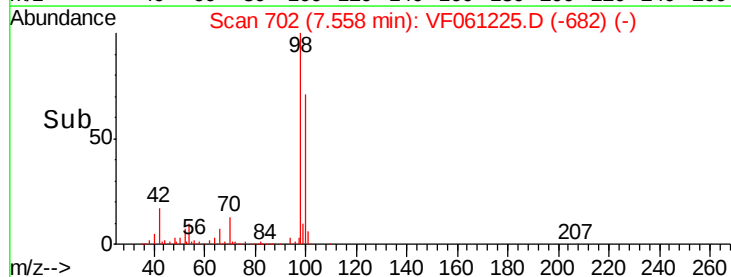
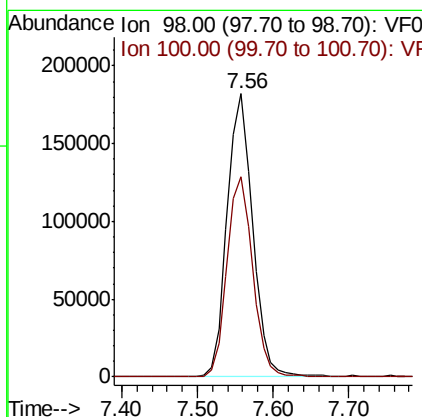
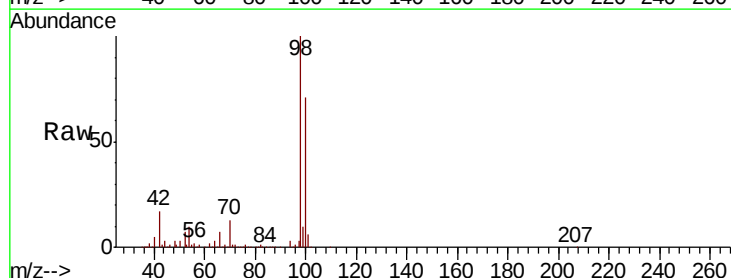
RT: 7.56 min Scan# 702

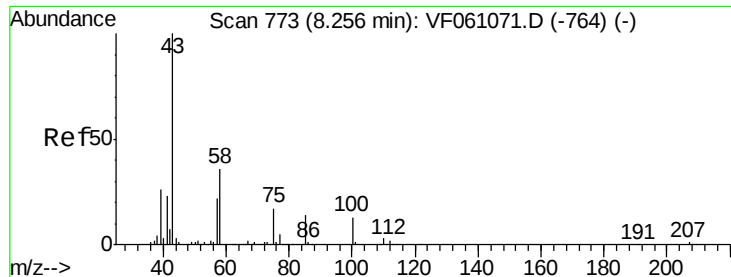
Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 98    | Resp: | 427167 |
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 70.6  | 55.3  | 82.9   |





#51

4-Methyl-2-Pentanone

Concen: 264.485 ug/l

RT: 8.26 min Scan# 773

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 381499

Ion Ratio Lower Upper

43 100

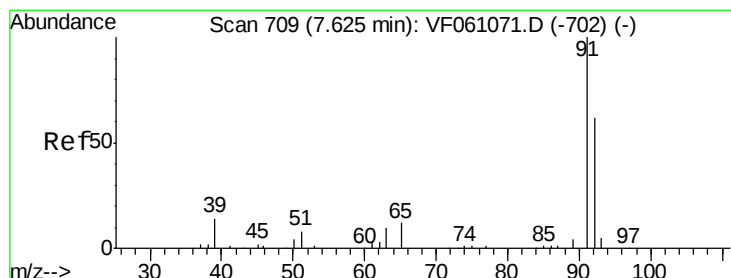
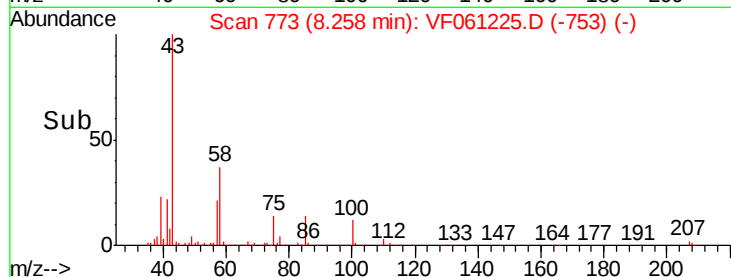
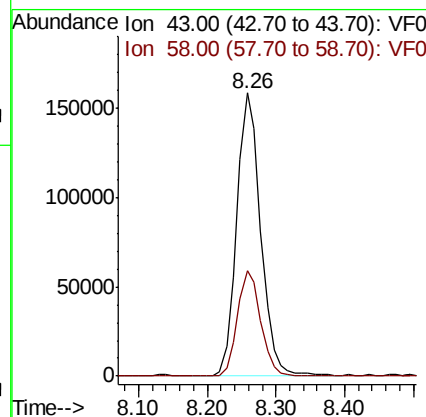
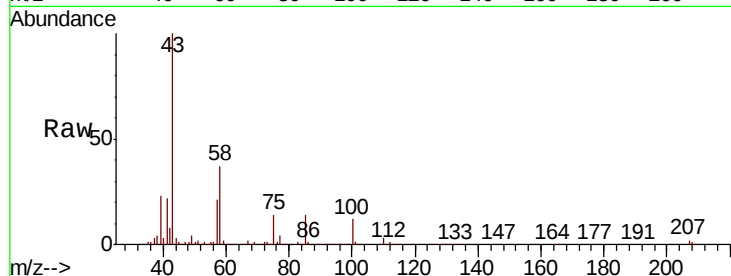
58 37.1 29.1 43.7

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#52

Toluene

Concen: 52.669 ug/l

RT: 7.63 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061225.D

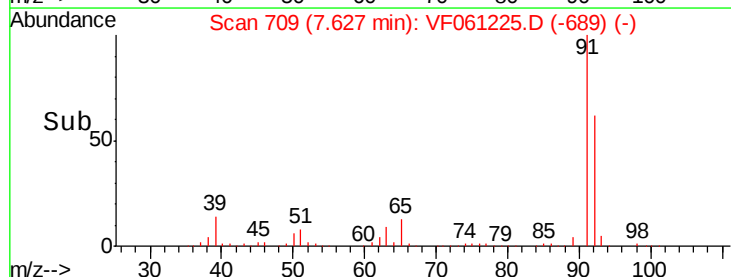
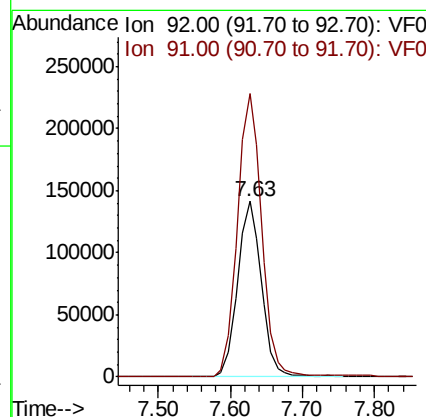
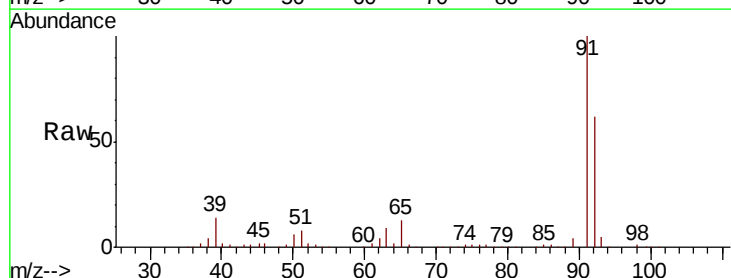
Acq: 28 Dec 2018 9:43

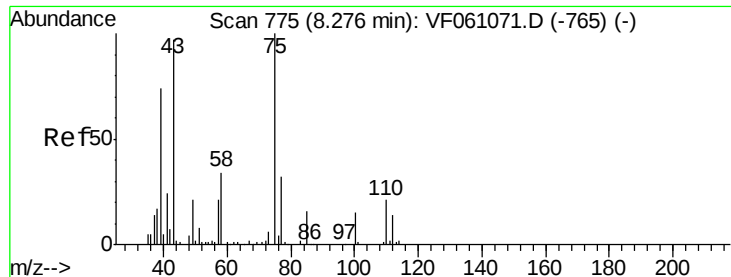
Tgt Ion: 92 Resp: 326578

Ion Ratio Lower Upper

92 100

91 161.4 128.8 193.2





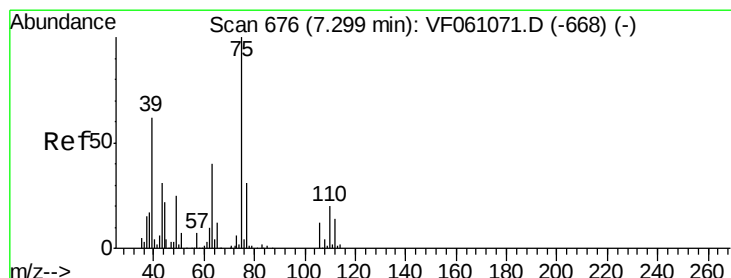
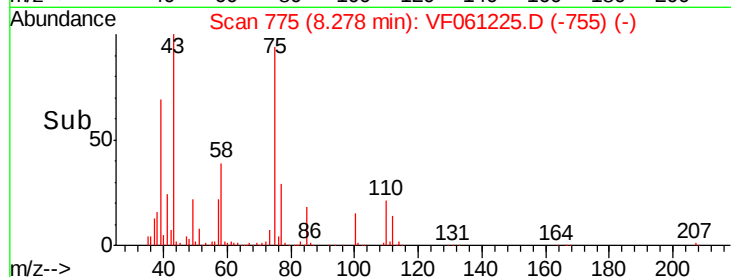
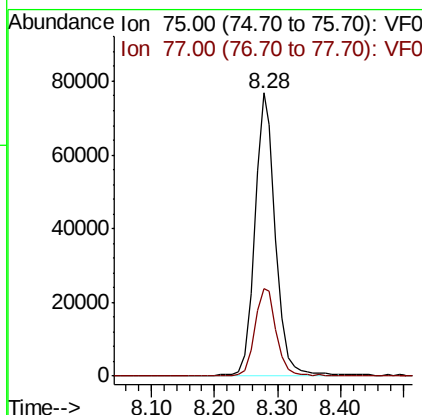
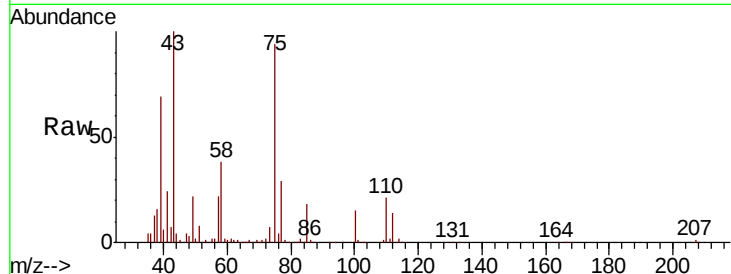
#53  
t-1,3-Dichloropropene  
Concen: 51.039 ug/l  
RT: 8.28 min Scan# 775  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.1  | 25.8  | 38.8  |

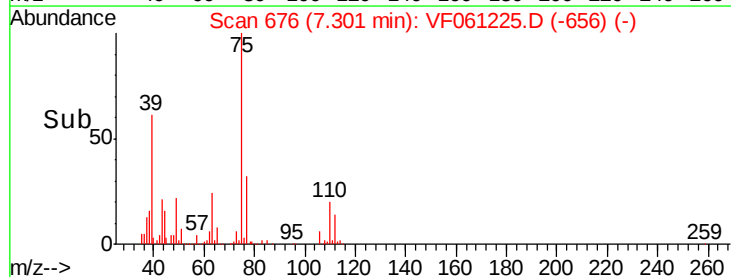
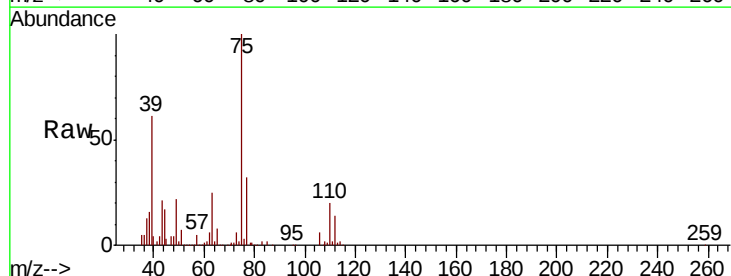
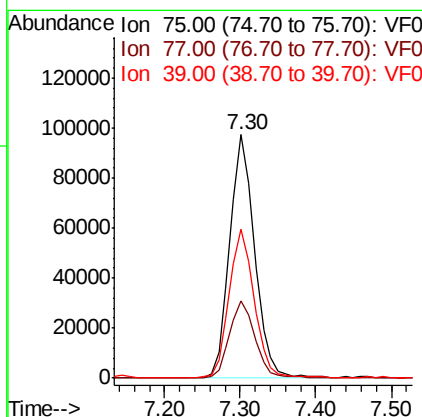
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#54  
cis-1,3-Dichloropropene  
Concen: 51.106 ug/l  
RT: 7.30 min Scan# 676  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.8  | 25.0  | 37.4  |
| 39      | 61.2  | 50.1  | 75.1  |





#55

1,1,2-Trichloroethane

Concen: 51.323 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

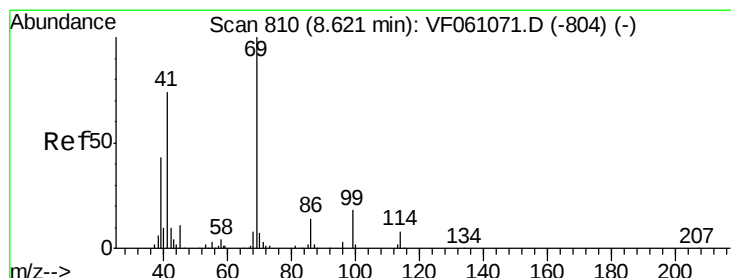
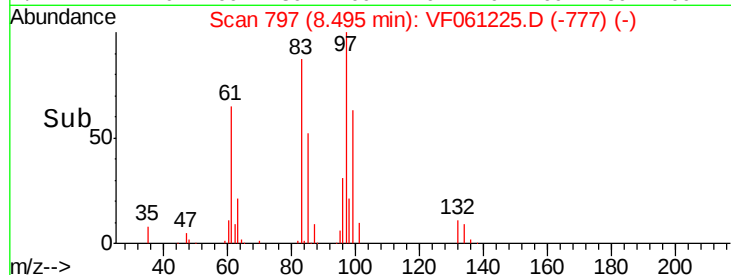
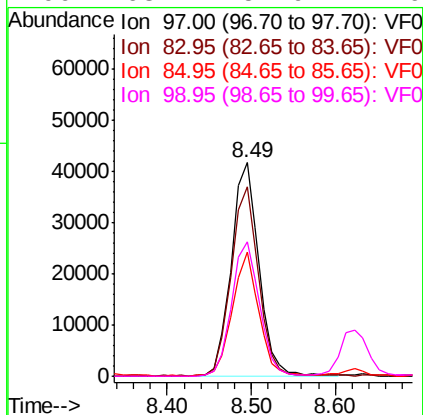
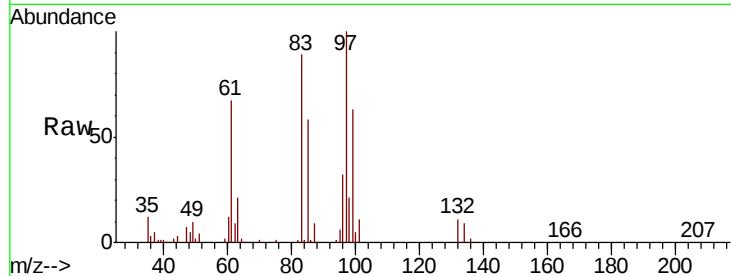
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 95402 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 88.7  | 75.0  | 112.4 |
| 85       | 58.0  | 47.5  | 71.3  |
| 99       | 63.2  | 51.9  | 77.9  |

Manual Integrations  
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1/2/2019 11:51:22 AM



#56

Ethyl methacrylate

Concen: 53.491 ug/l

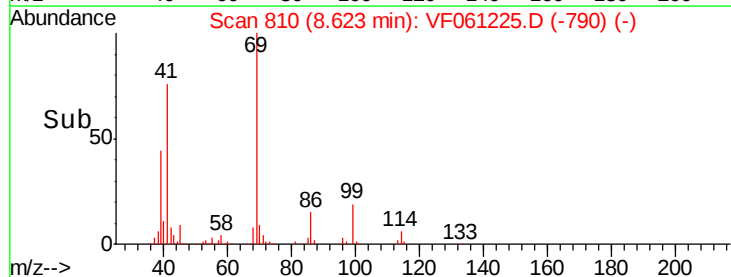
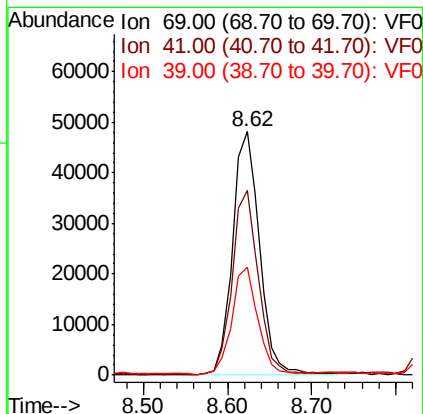
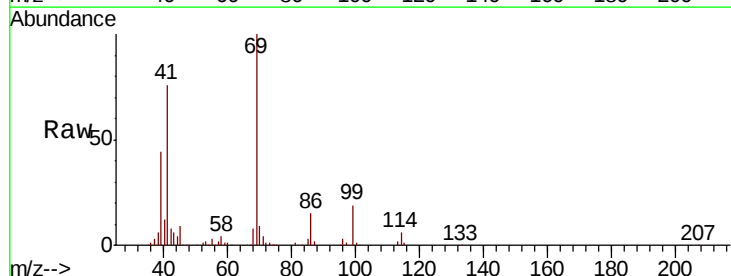
RT: 8.62 min Scan# 810

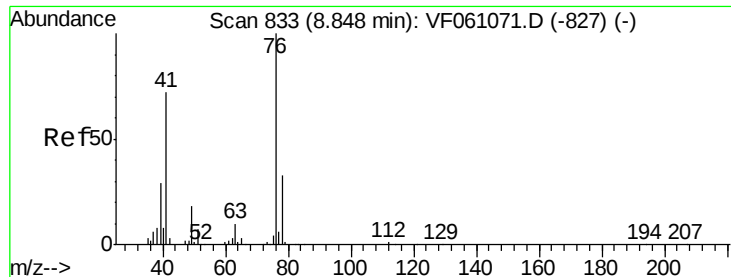
Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 107592 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 75.9  | 59.7  | 89.5   |
| 39       | 44.1  | 35.0  | 52.6   |





#57

1,3-Dichloropropane

Concen: 52.409 ug/l

RT: 8.86 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 176198

Ion Ratio Lower Upper

76 100

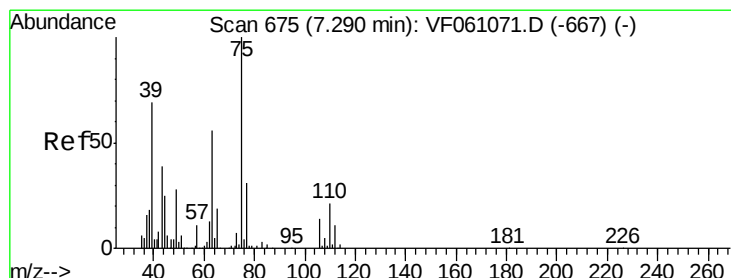
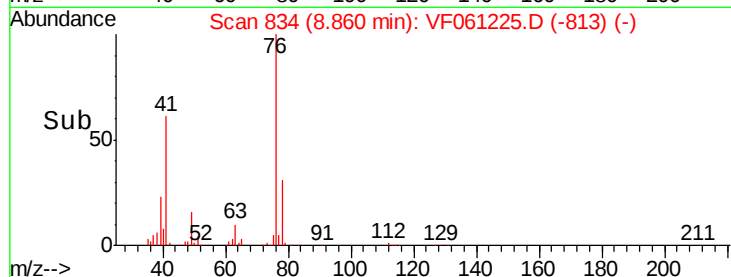
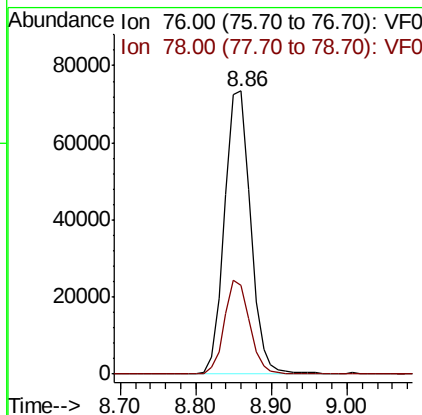
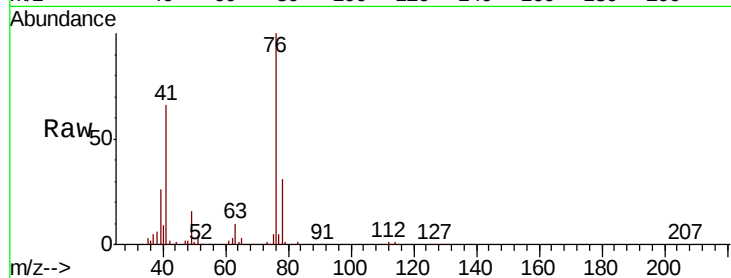
78 31.3 26.5 39.7

Manual Integrations

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MMDadoda

1/2/2019 11:51:22 AM



#58

2-Chloroethyl Vinyl ether

Concen: 149.156 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061225.D

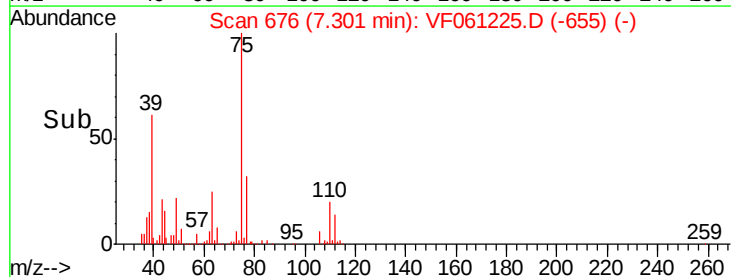
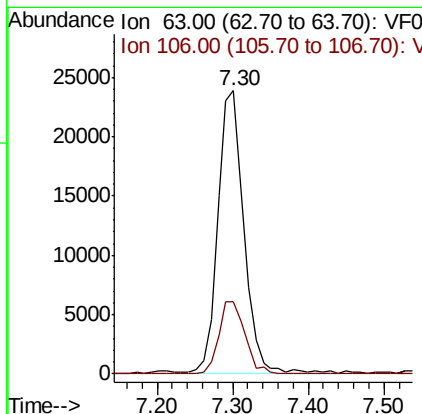
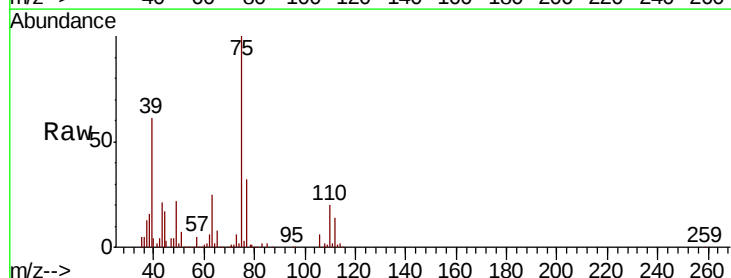
Acq: 28 Dec 2018 9:43

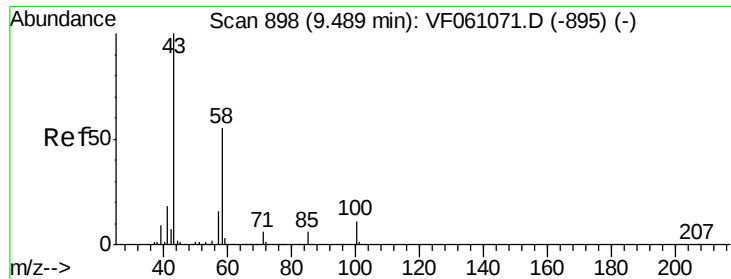
Tgt Ion: 63 Resp: 57620

Ion Ratio Lower Upper

63 100

106 25.4 19.8 29.8





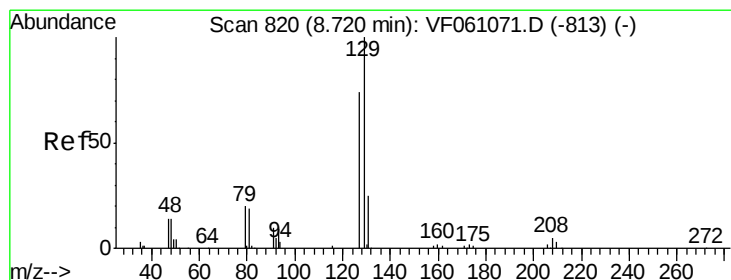
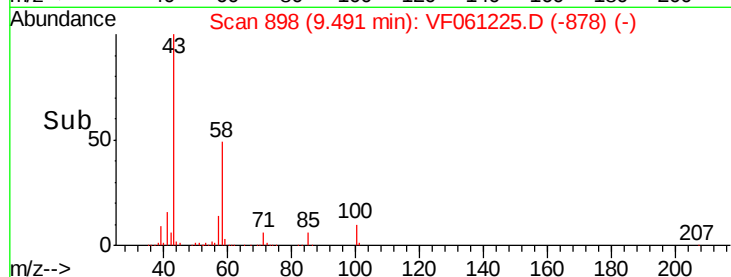
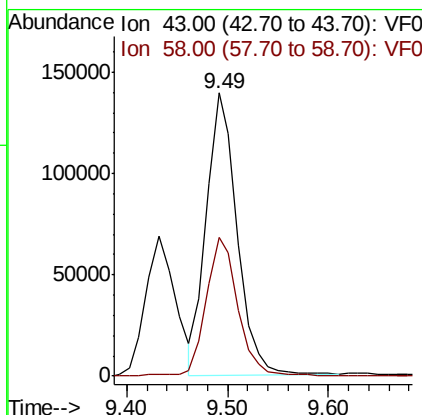
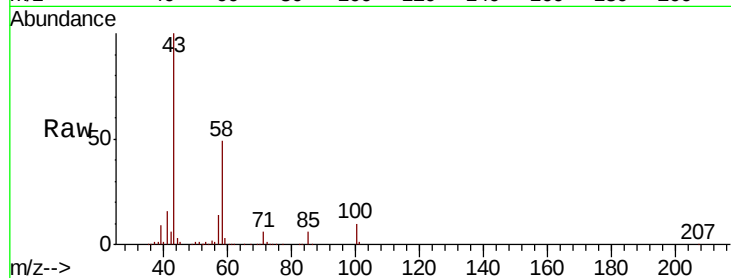
#59  
2-Hexanone  
Concen: 282.629 ug/l  
RT: 9.49 min Scan# 898  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 49.1  | 25.1  | 75.2  |

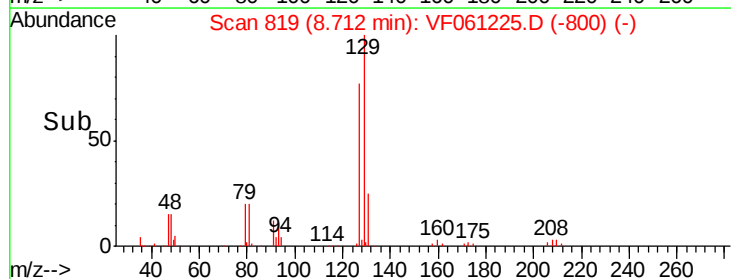
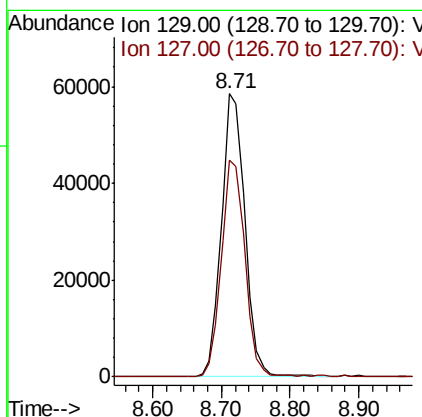
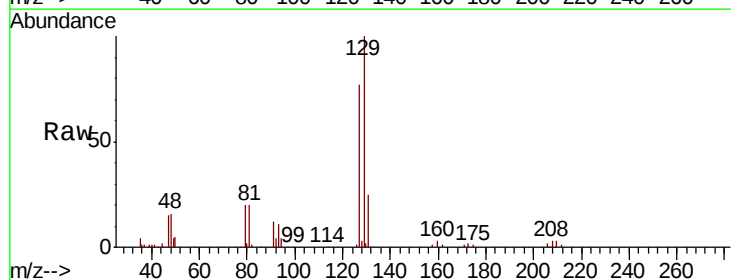
Manual Integrations  
APPROVED

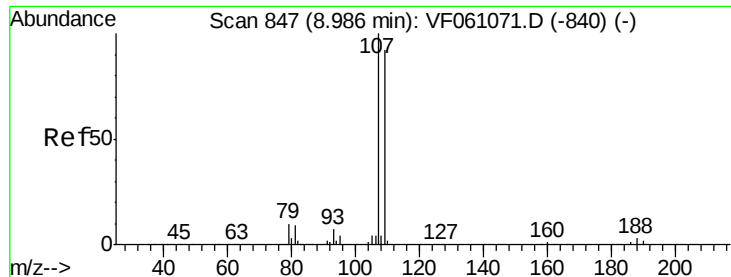
MMDadoda  
1/2/2019 11:51:22 AM



#60  
Dibromochloromethane  
Concen: 52.139 ug/l  
RT: 8.71 min Scan# 819  
Delta R.T. -0.01 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 76.6  | 36.8  | 110.3 |





#61

1,2-Dibromoethane

Concen: 49.550 ug/l

RT: 8.99 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 98368

Ion Ratio Lower Upper

107 100

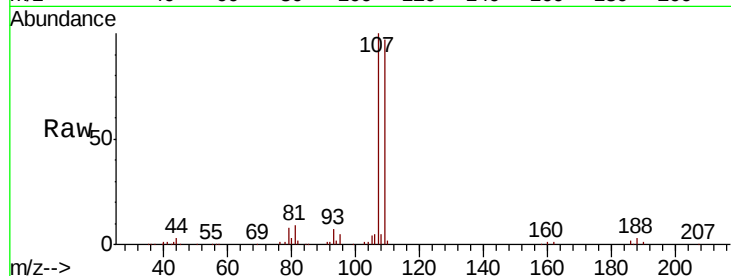
109 97.0 73.7 110.5

Manual Integrations

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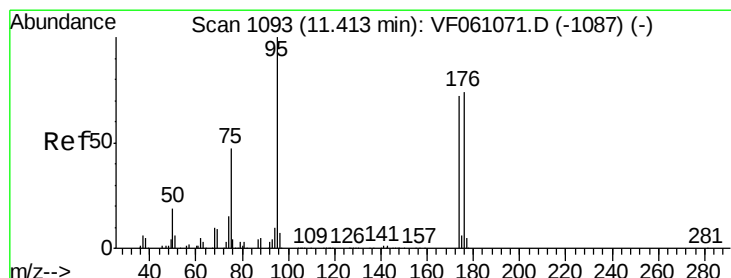
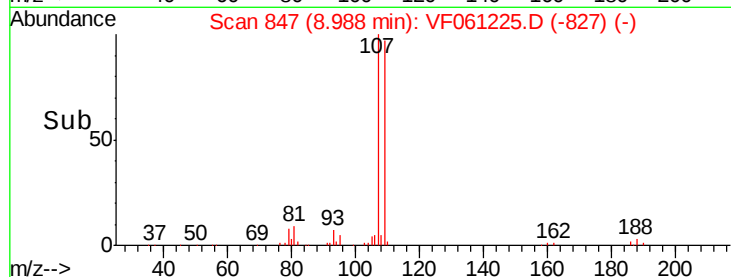
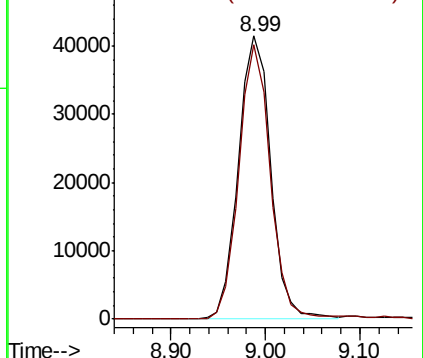
MMDadoda

1/2/2019 11:51:22 AM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.524 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

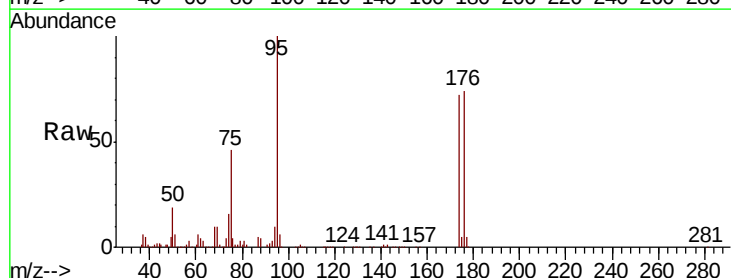
Tgt Ion: 95 Resp: 183253

Ion Ratio Lower Upper

95 100

174 71.7 0.0 143.8

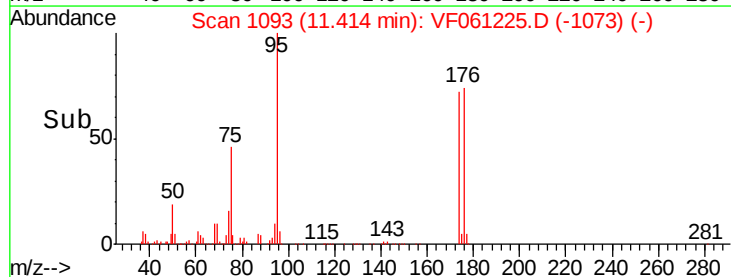
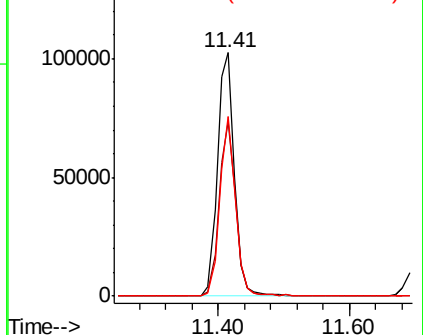
176 73.9 0.0 147.6

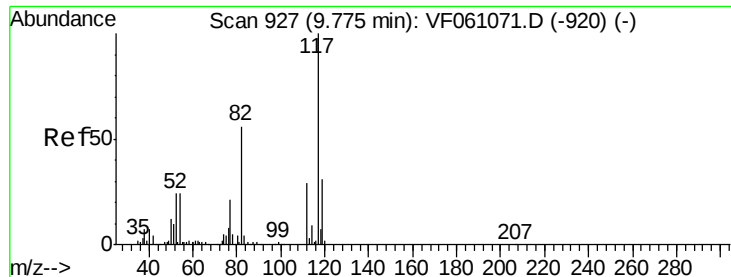


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





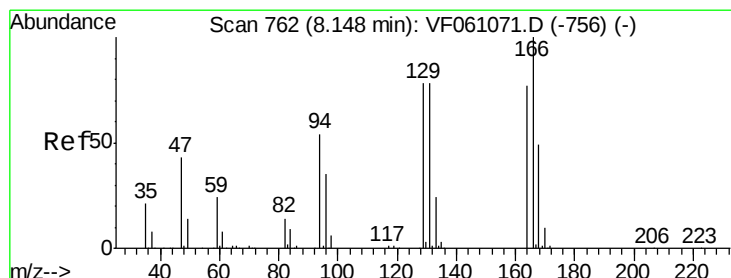
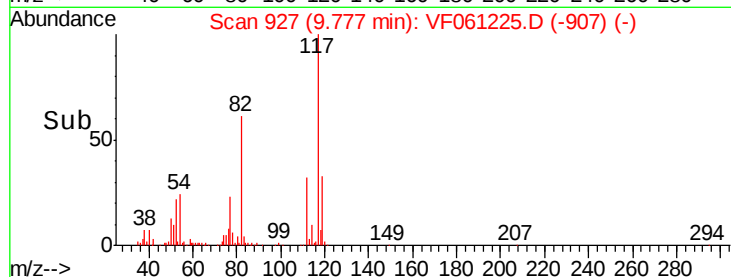
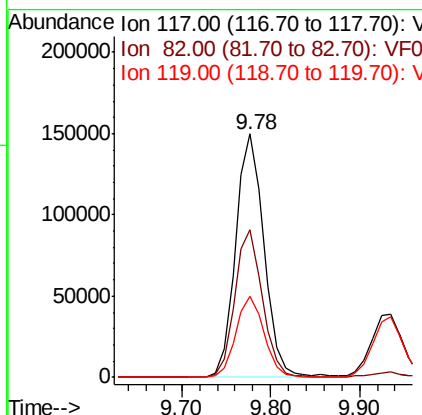
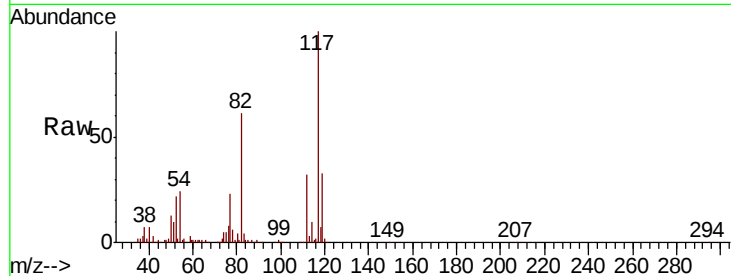
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.78 min Scan# 927  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 60.7  | 45.0  | 67.4  |
| 119     | 33.1  | 24.8  | 37.2  |

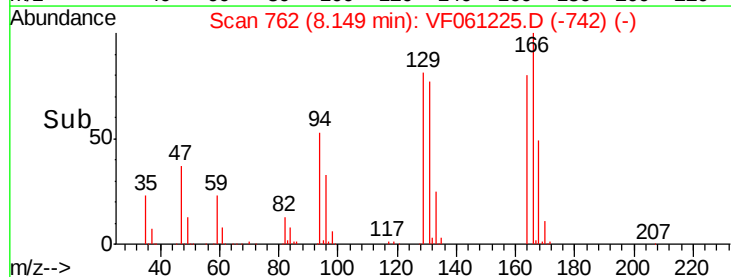
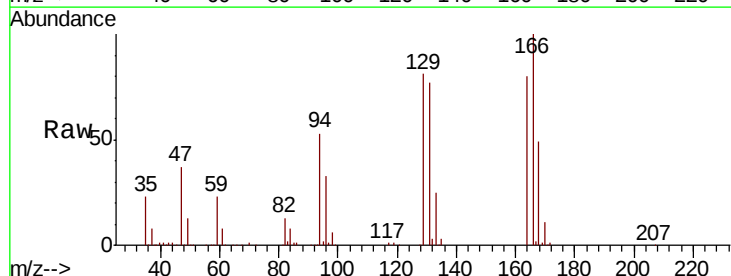
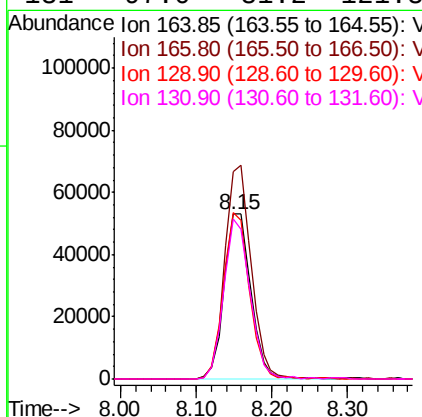
Manual Integrations  
APPROVED

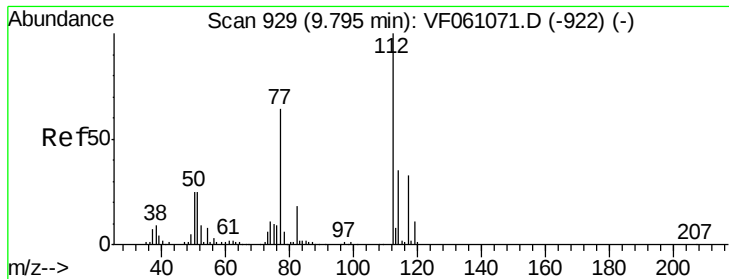
MMDadoda  
1/2/2019 11:51:22 AM



#64  
Tetrachloroethene  
Concen: 50.662 ug/l  
RT: 8.15 min Scan# 762  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 125.4 | 104.0 | 156.0 |
| 129     | 100.9 | 81.1  | 121.7 |
| 131     | 97.0  | 81.2  | 121.8 |





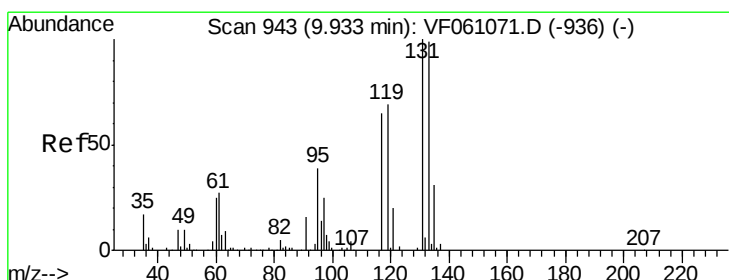
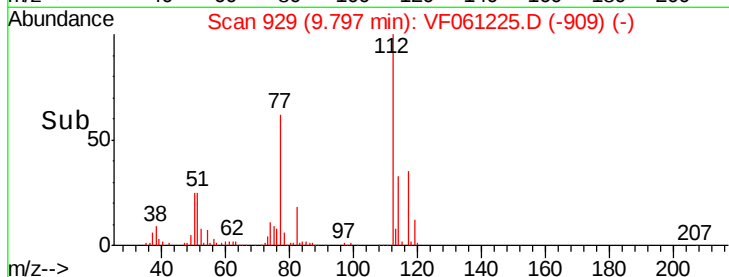
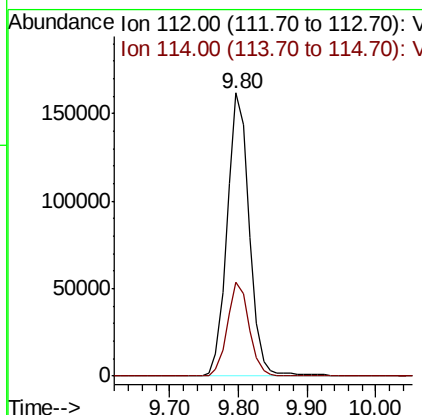
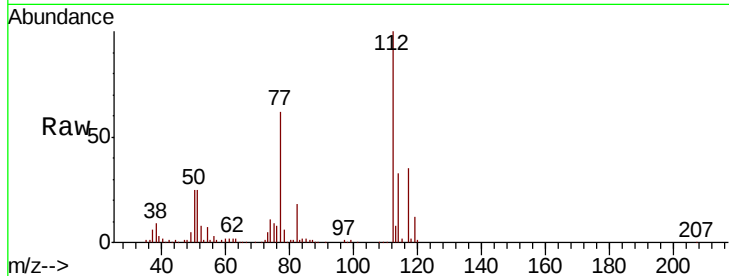
#65  
Chlorobenzene  
Concen: 52.337 ug/l  
RT: 9.80 min Scan# 929  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 361151 |       |       |
| 114     | 33.4  | 27.8   | 41.6  |       |

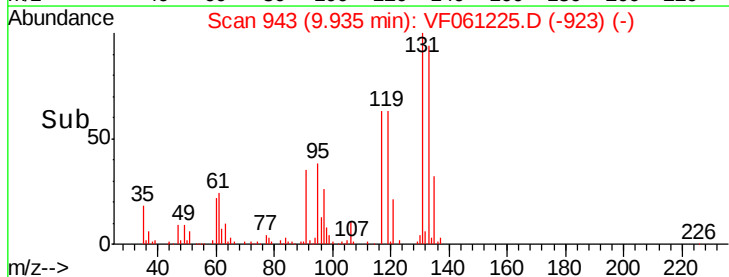
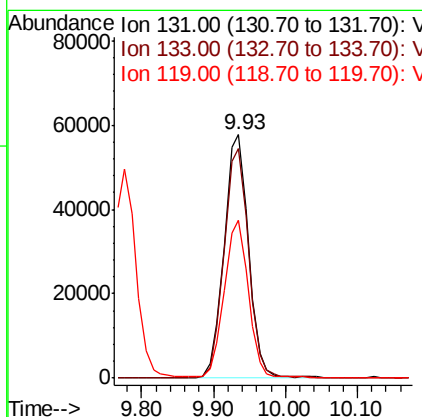
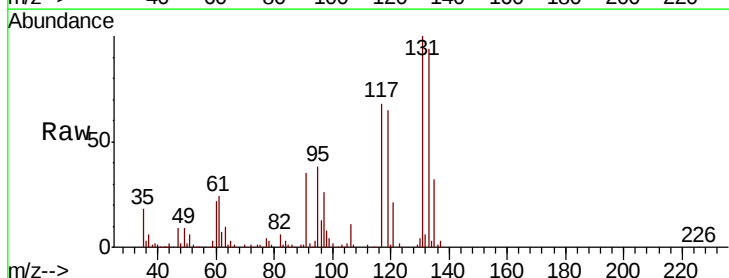
Manual Integrations  
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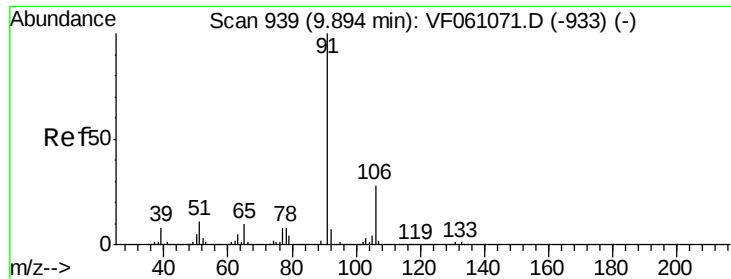
MMDadoda  
1/2/2019 11:51:22 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.225 ug/l  
RT: 9.93 min Scan# 943  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 131     | 100   | 135993 |       |       |
| 133     | 94.1  | 49.5   | 148.7 |       |
| 119     | 65.1  | 34.5   | 103.5 |       |





#67

Ethyl Benzene

Concen: 50.637 ug/l

RT: 9.91 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 636578

Ion Ratio Lower Upper

91 100

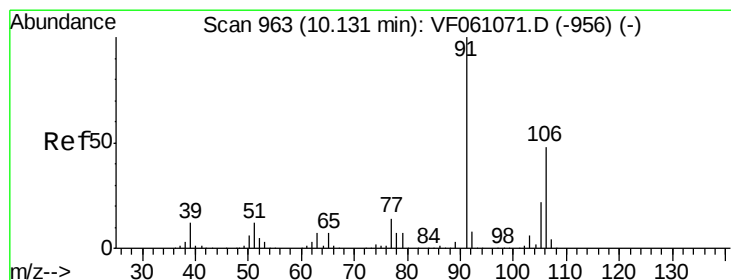
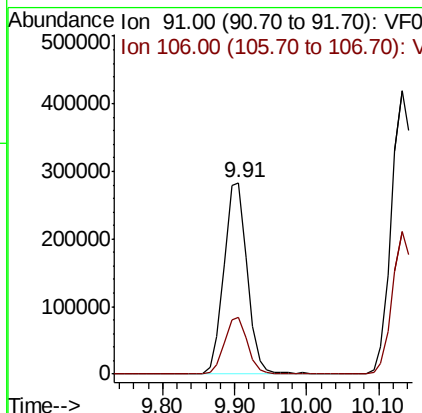
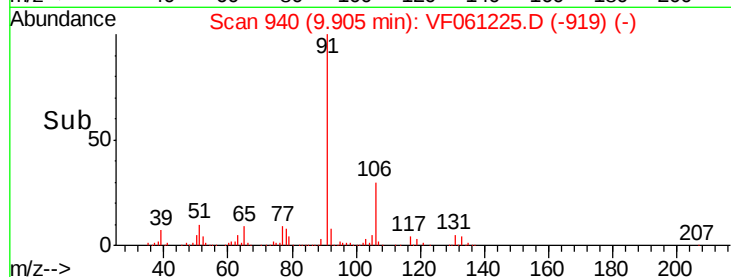
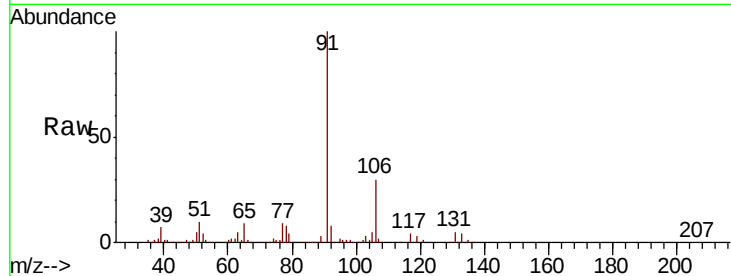
106 29.6 22.5 33.7

Manual Integrations

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1/2/2019 11:51:22 AM



#68

m/p-Xylenes

Concen: 101.372 ug/l

RT: 10.13 min Scan# 963

Delta R.T. 0.00 min

Lab File: VF061225.D

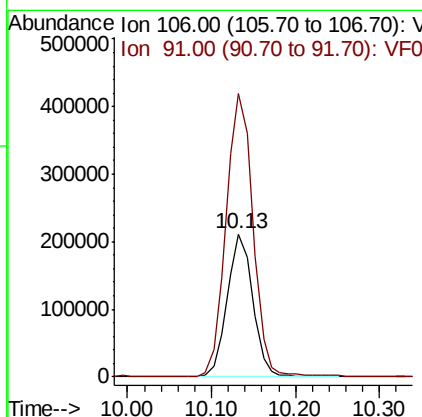
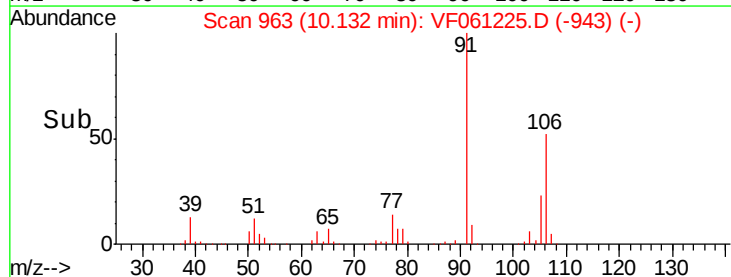
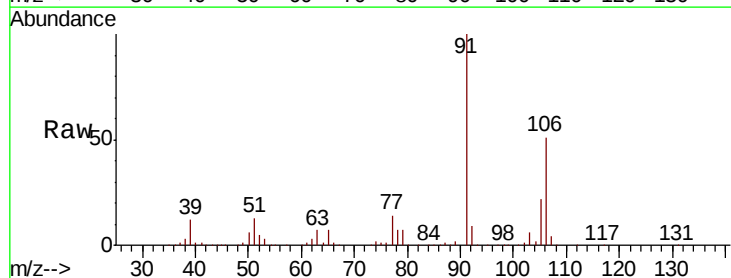
Acq: 28 Dec 2018 9:43

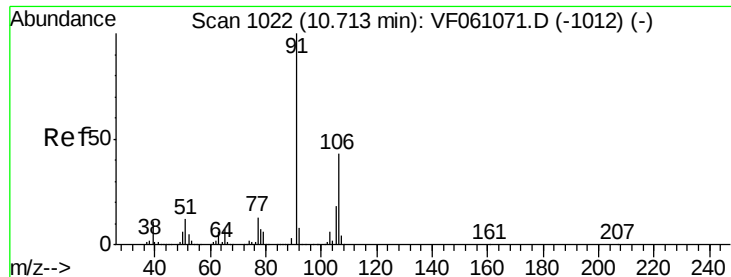
Tgt Ion: 106 Resp: 448490

Ion Ratio Lower Upper

106 100

91 197.8 168.2 252.2





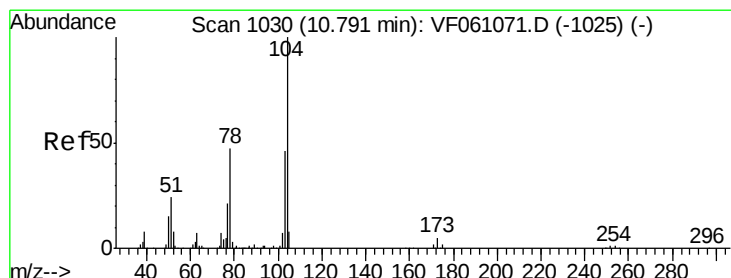
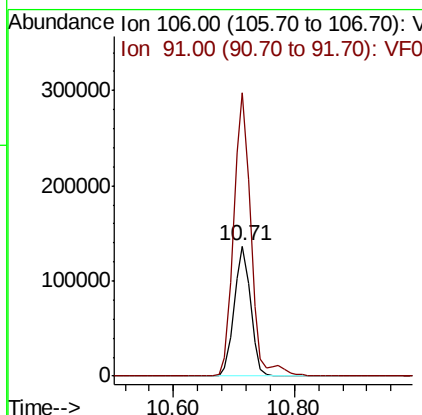
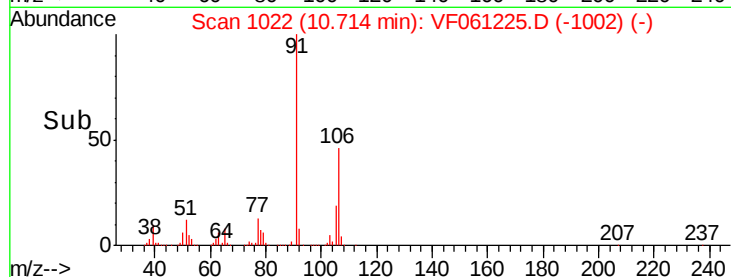
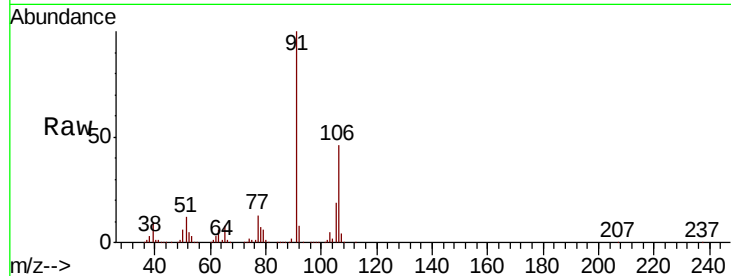
#69  
o-Xylene  
Concen: 53.179 ug/l  
RT: 10.71 min Scan# 1022  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |
| 91      | 217.3 | 115.9 | 347.7 |       |

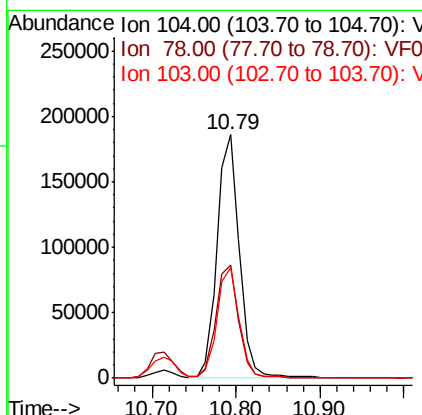
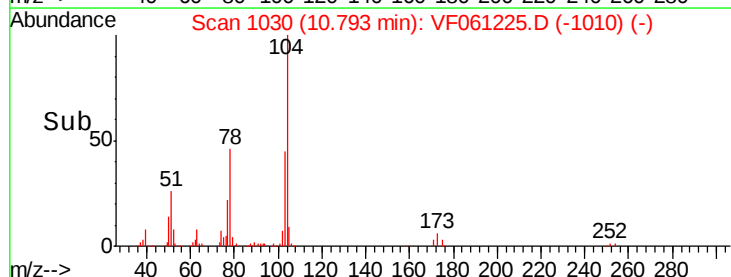
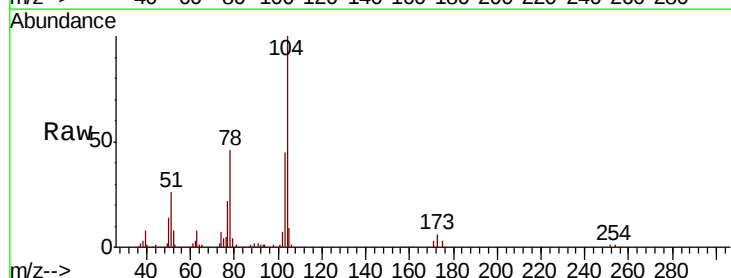
Manual Integrations  
APPROVED

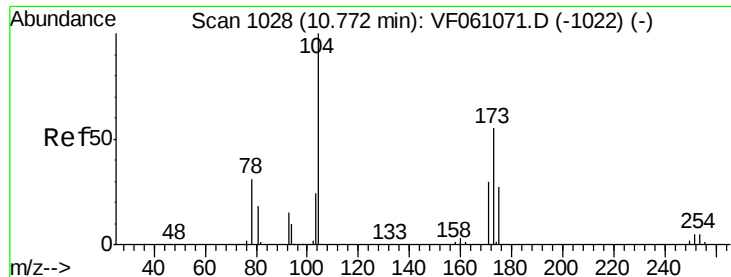
MMDadoda  
1/2/2019 11:51:22 AM



#70  
Styrene  
Concen: 57.693 ug/l  
RT: 10.79 min Scan# 1030  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 104     | 100  |       |       |       |
| 78      | 46.5 | 38.4  | 57.6  |       |
| 103     | 45.3 | 37.0  | 55.6  |       |





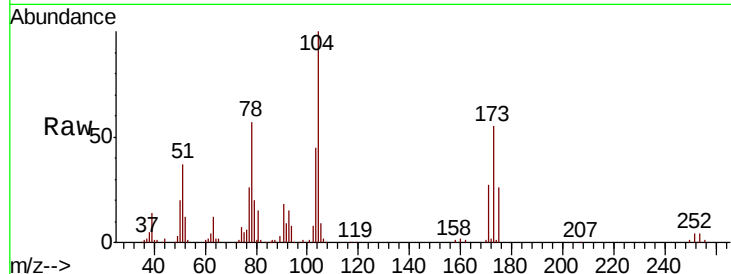
#71  
Bromoform  
Concen: 50.696 ug/l  
RT: 10.77 min Scan# 1028  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 173     | 100  |       |       |       |
| 175     | 46.6 | 24.8  | 74.4  |       |
| 254     | 6.7  | 0.0   | 0.0   |       |

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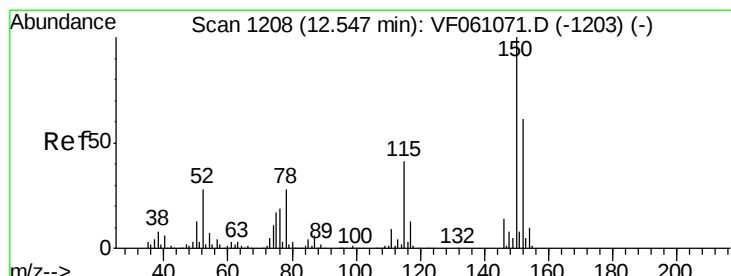
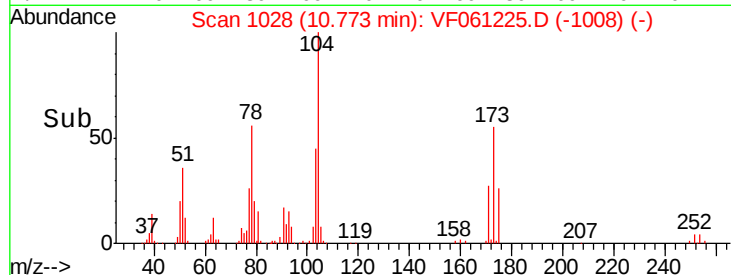
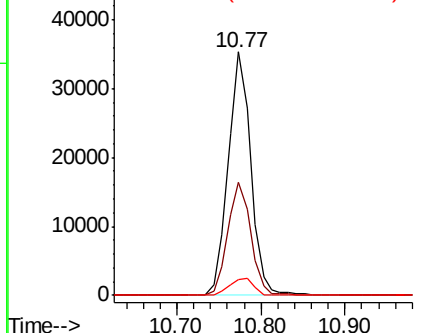


Abundance

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: VF061225.D  
Acq: 28 Dec 2018 9:43

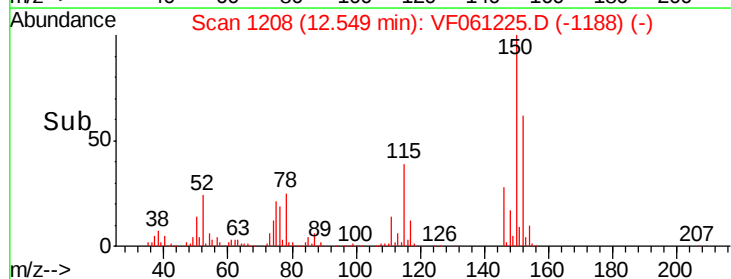
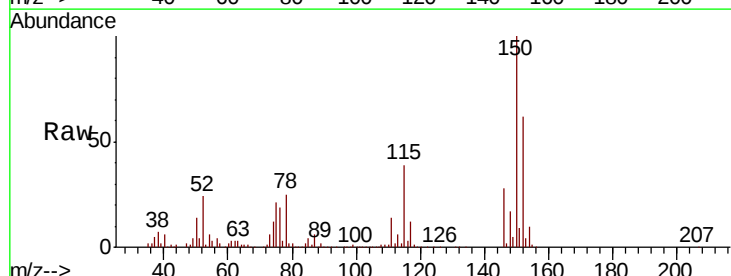
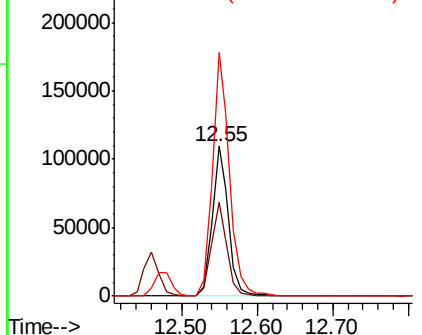
| Tgt Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 152     | 100   |       |       |       |
| 115     | 62.8  | 33.3  | 99.9  |       |
| 150     | 162.4 | 0.0   | 328.2 |       |

Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 51.777 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 738422

Ion Ratio Lower Upper

105 100

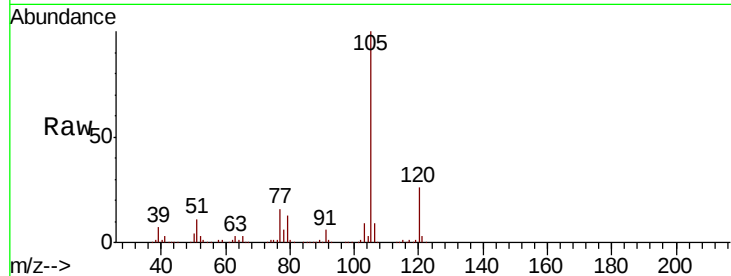
120 26.1 13.0 39.0

Manual Integrations

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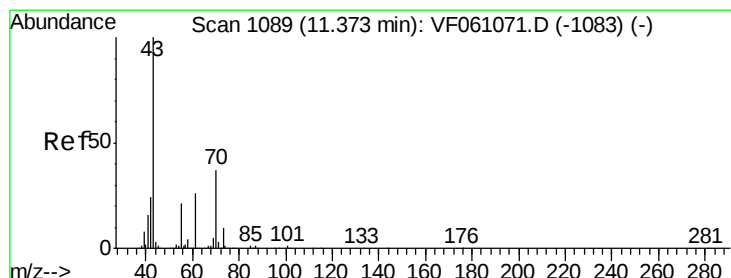
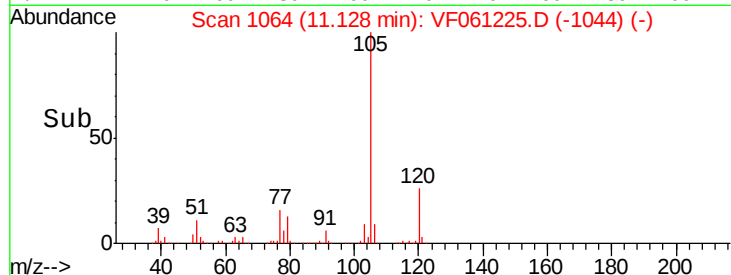
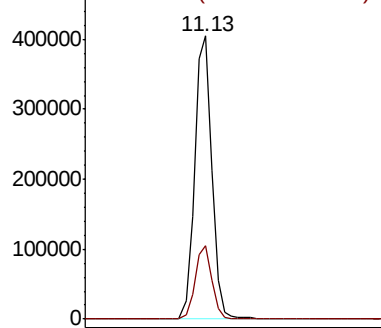
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.661 ug/l

RT: 11.38 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Tgt Ion: 43 Resp: 179405

Ion Ratio Lower Upper

43 100

70 38.0 29.2 43.8

55 19.8 16.5 24.7

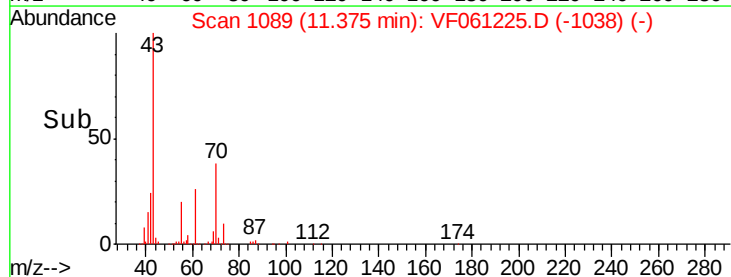
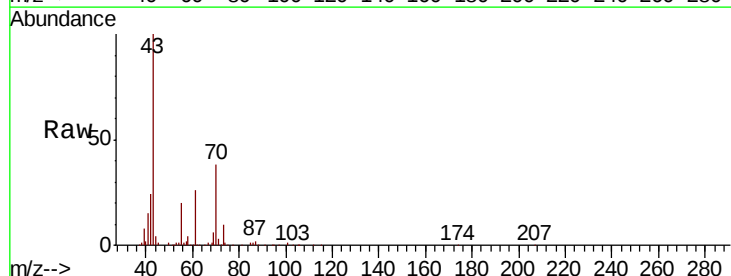
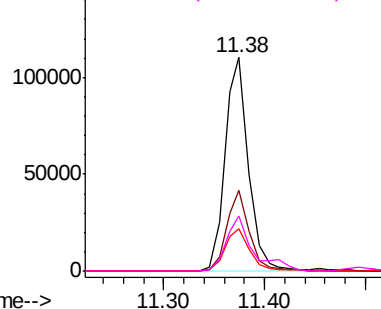
61 25.7 20.7 31.1

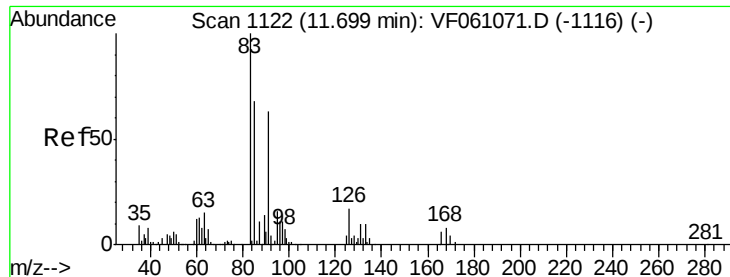
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.233 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 118898  
Ion Ratio Lower Upper

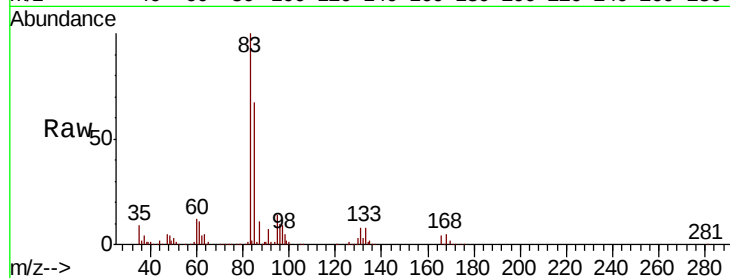
83 100

131 8.4 4.8 14.3

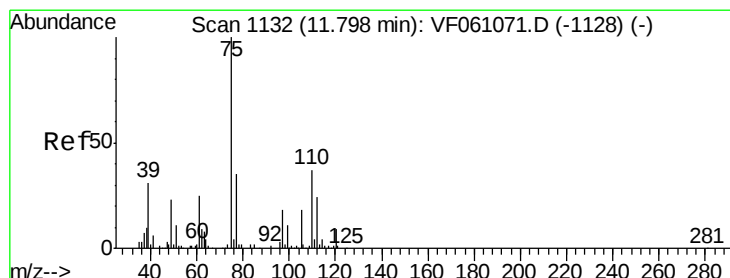
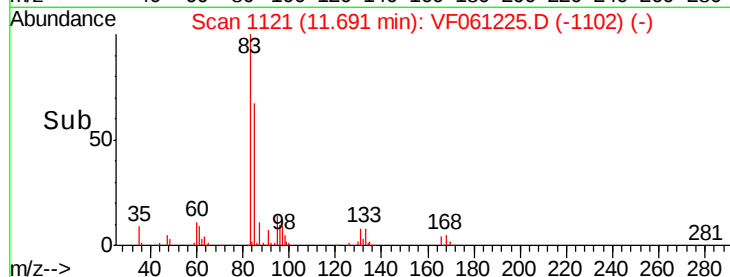
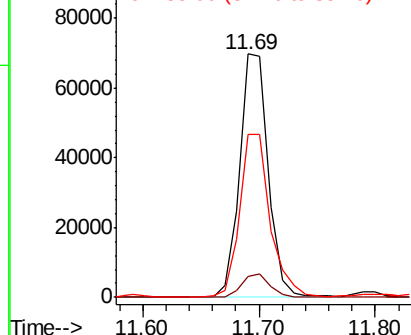
85 66.9 33.9 101.6

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Abundance Ion 83.00 (82.70 to 83.70): VF0  
Ion 131.00 (130.70 to 131.70): V  
Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 49.635 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. 0.00 min

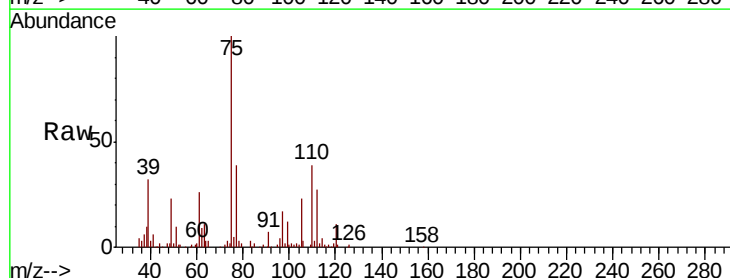
Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

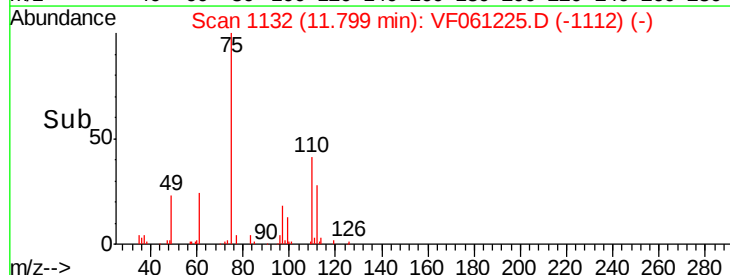
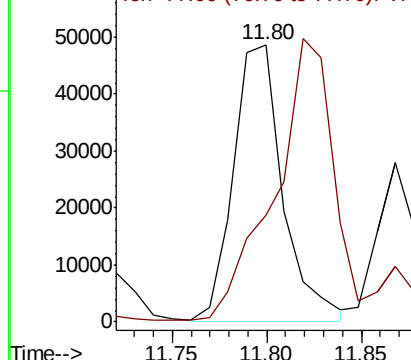
Tgt Ion: 75 Resp: 87430  
Ion Ratio Lower Upper

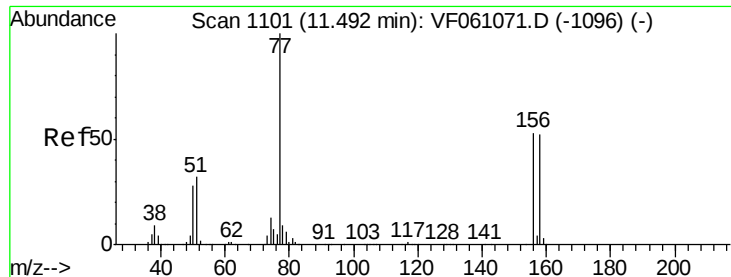
75 100

77 38.6 17.6 52.9



Abundance Ion 75.00 (74.70 to 75.70): VF0  
Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 48.984 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

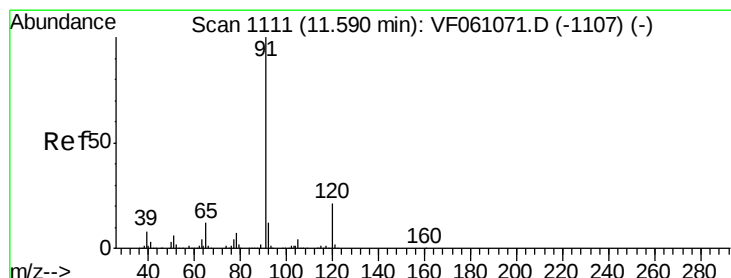
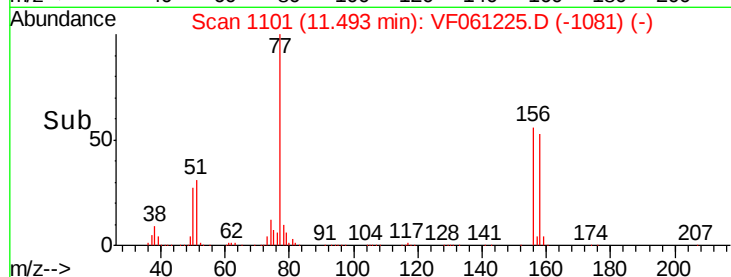
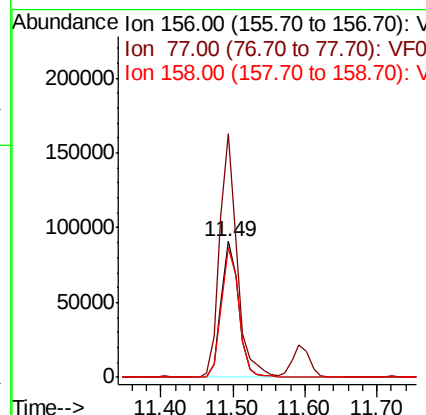
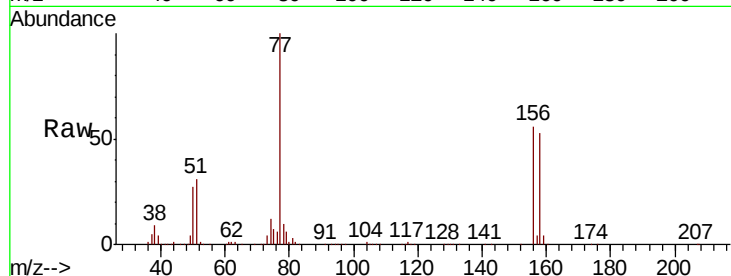
ClientSampleId :

VSTDCCC050

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 156     | 100   |       | 150380 |       |       |
| 77      | 179.3 | 93.8  | 281.4  |       |       |
| 158     | 95.4  | 48.9  | 146.8  |       |       |

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#78

n-propylbenzene

Concen: 50.535 ug/l

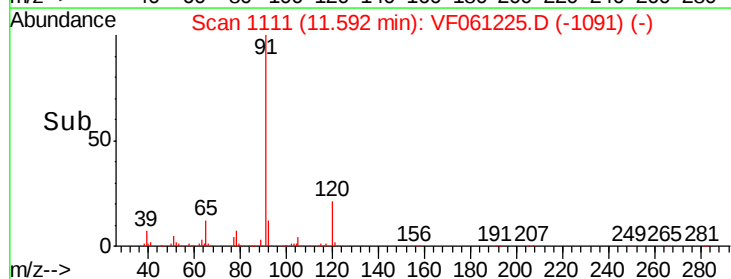
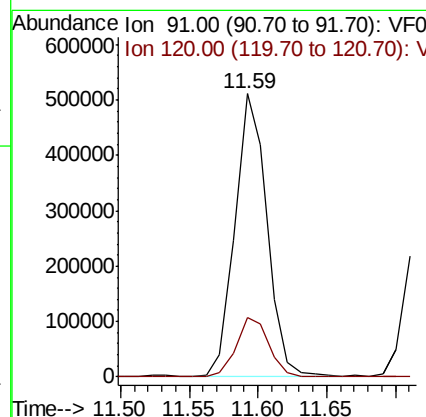
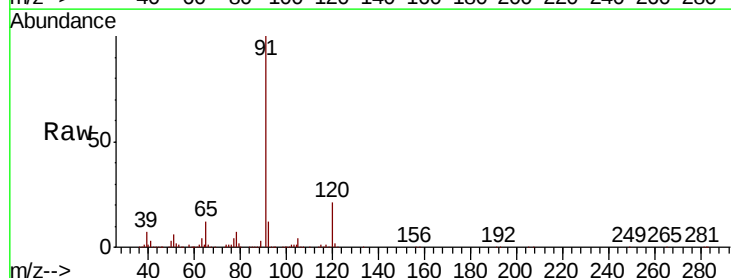
RT: 11.59 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 827923 |       |       |
| 120     | 21.2 | 10.4  | 31.2   |       |       |





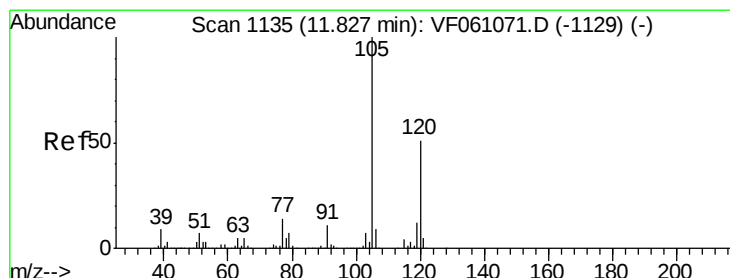
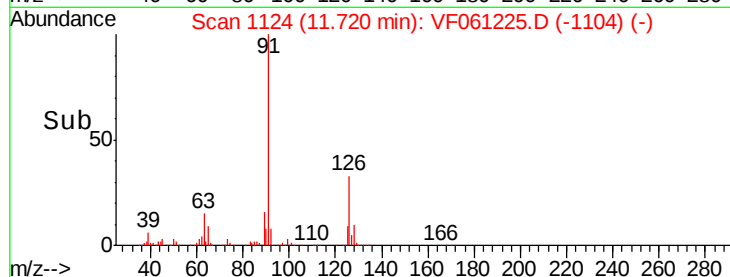
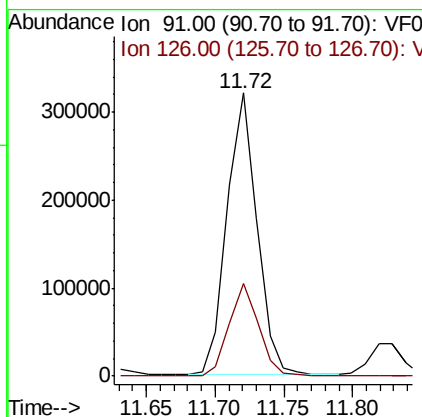
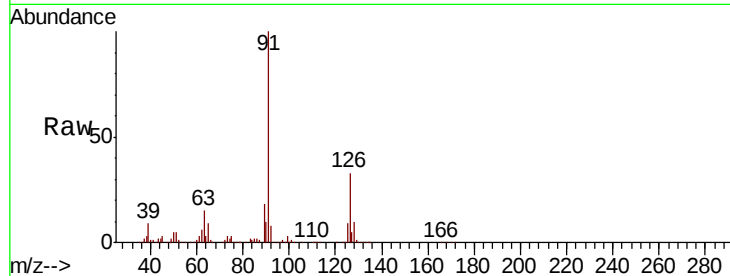
#79  
 2-Chlorotoluene  
 Concen: 49.938 ug/l  
 RT: 11.72 min Scan# 1124  
 Delta R.T. 0.00 min  
 Lab File: VF061225.D  
 Acq: 28 Dec 2018 9:43

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 488566 |       |       |
| 126     | 32.9  | 16.4   | 49.1  |       |

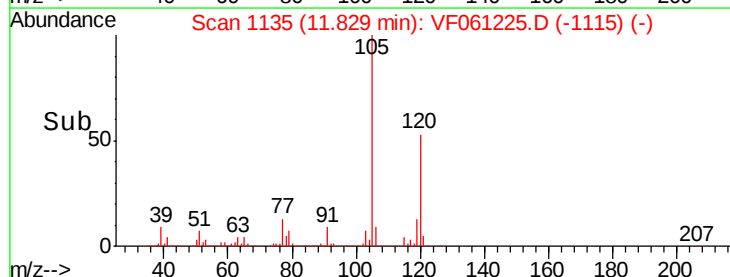
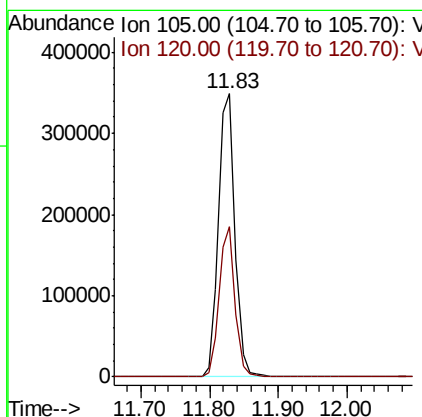
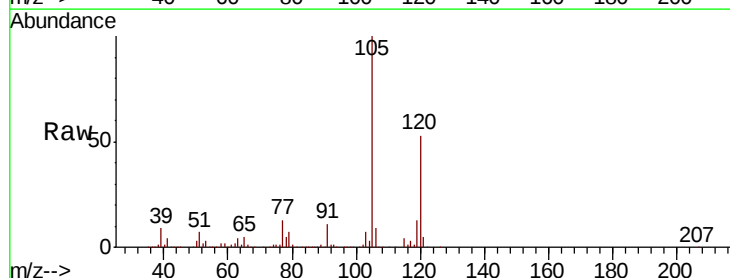
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#80  
 1,3,5-Trimethylbenzene  
 Concen: 49.407 ug/l  
 RT: 11.83 min Scan# 1135  
 Delta R.T. 0.00 min  
 Lab File: VF061225.D  
 Acq: 28 Dec 2018 9:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 580203 |       |       |
| 120     | 53.0  | 25.4   | 76.4  |       |





#81

trans-1,4-Dichloro-2-butene

Concen: 56.797 ug/l m

RT: 11.87 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 42991

Ion Ratio Lower Upper

75 100

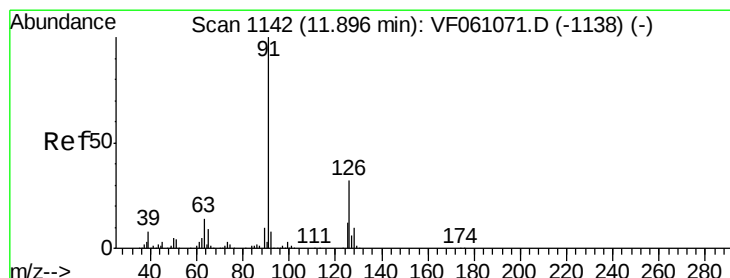
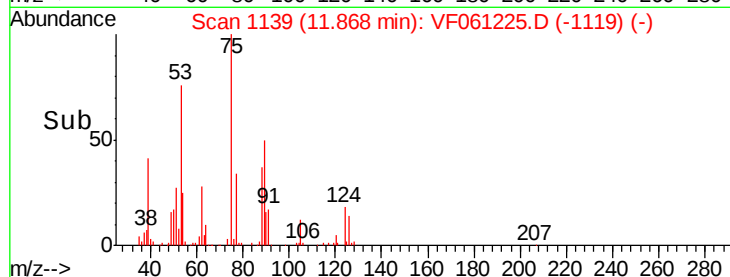
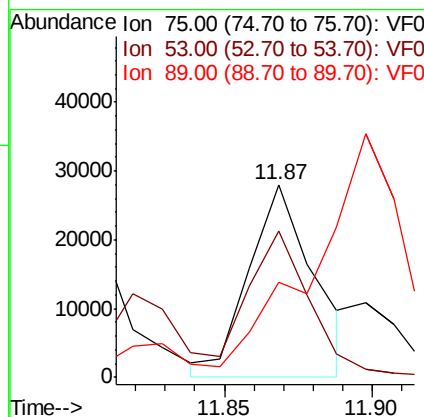
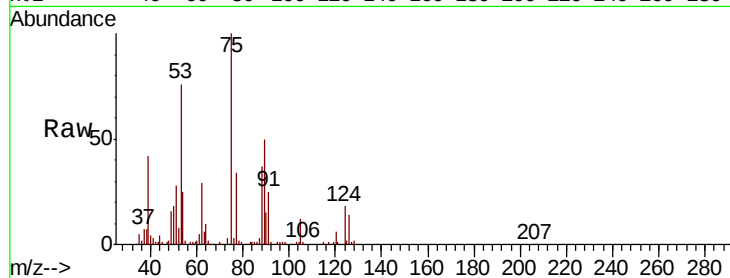
53 75.7 74.1 111.1

89 49.5 42.6 64.0

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#82

4-Chlorotoluene

Concen: 48.621 ug/l

RT: 11.90 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF061225.D

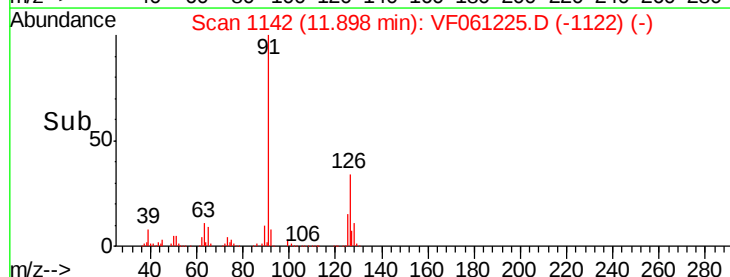
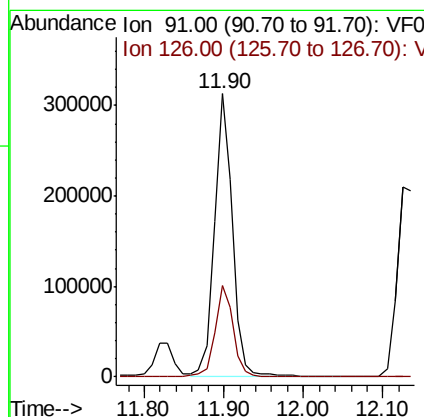
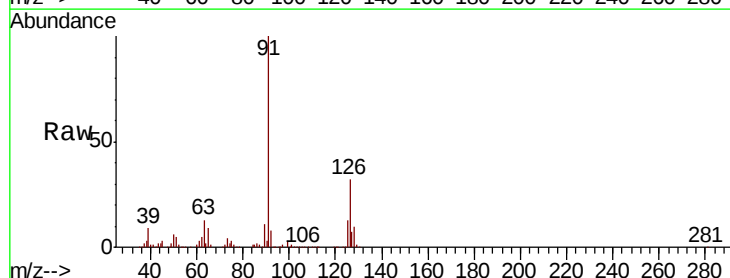
Acq: 28 Dec 2018 9:43

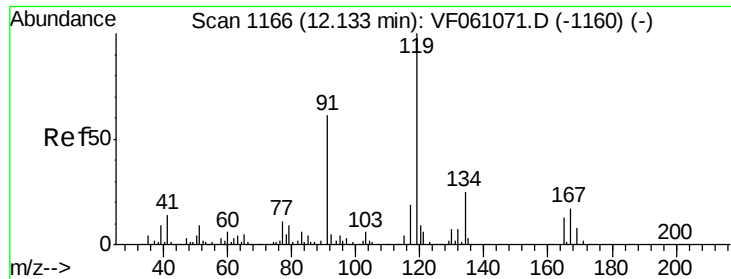
Tgt Ion: 91 Resp: 492072

Ion Ratio Lower Upper

91 100

126 32.1 16.0 47.9





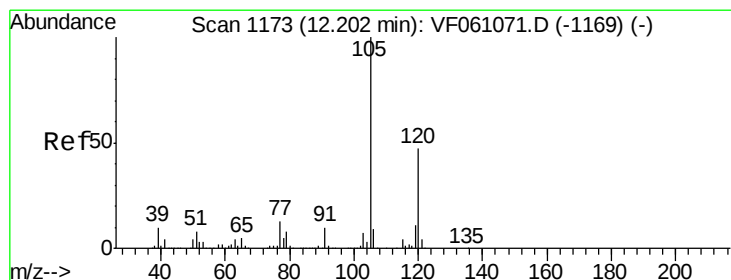
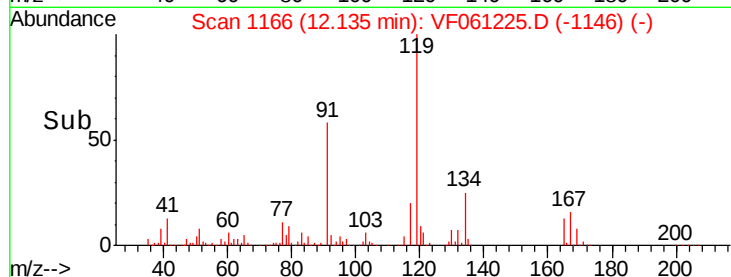
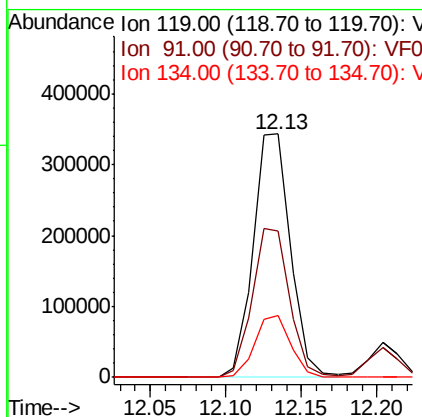
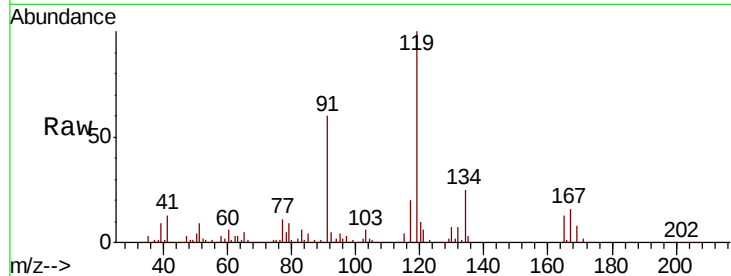
#83  
tert-Butylbenzene  
Concen: 49.025 ug/l  
RT: 12.13 min Scan# 1166  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 592428 |       |       |
| 91      | 59.9  | 30.5   | 91.5  |       |
| 134     | 25.3  | 12.4   | 37.4  |       |

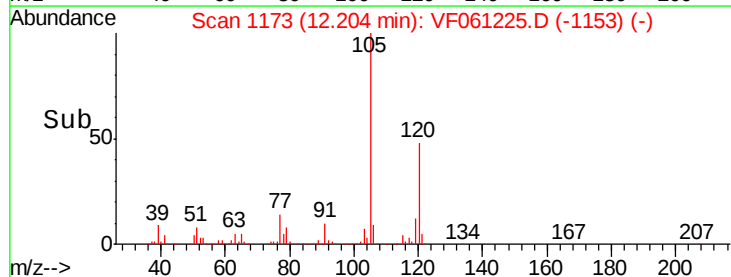
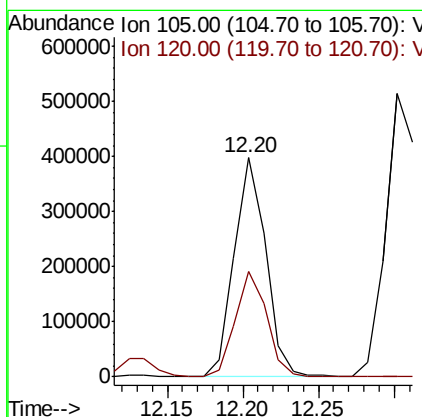
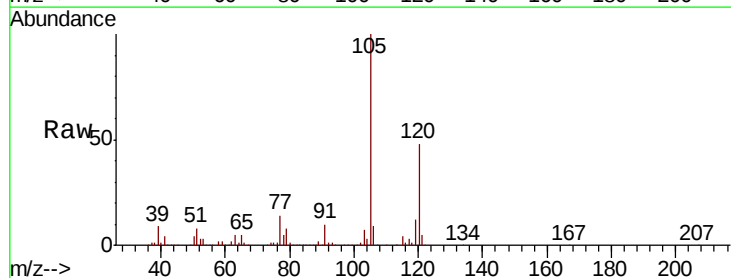
Manual Integrations  
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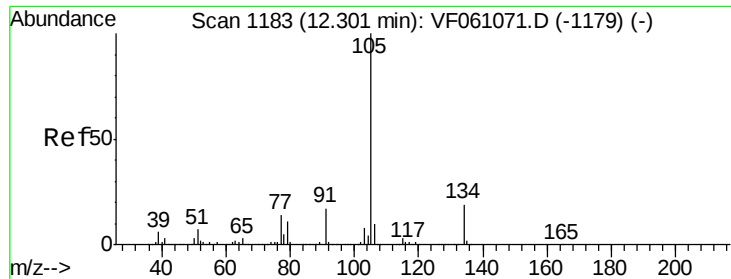
MMDadoda  
1/2/2019 11:51:22 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 49.307 ug/l  
RT: 12.20 min Scan# 1173  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 577417 |       |       |
| 120     | 48.1  | 23.6   | 71.0  |       |





#85

sec-Butylbenzene

Concen: 50.389 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 794623

Ion Ratio Lower Upper

105 100

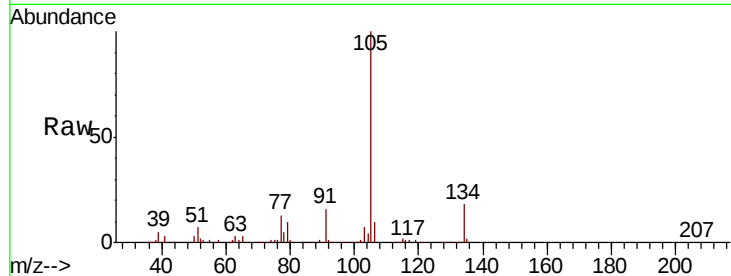
134 18.1 9.4 28.2

Manual Integrations

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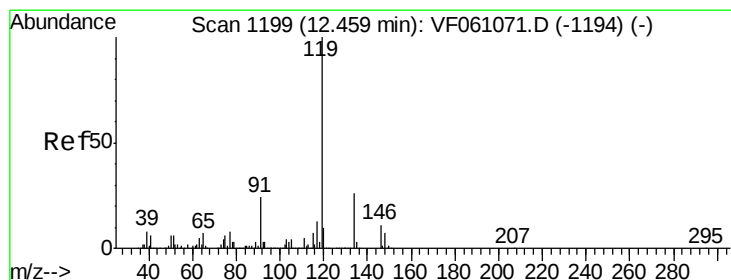
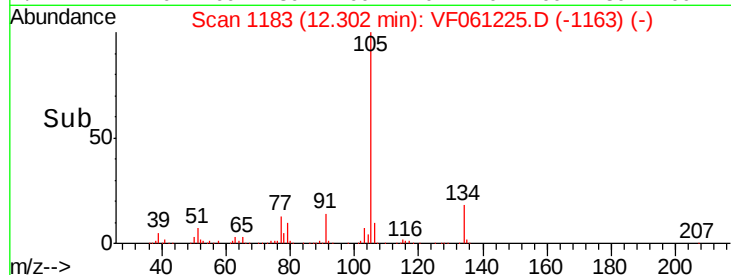
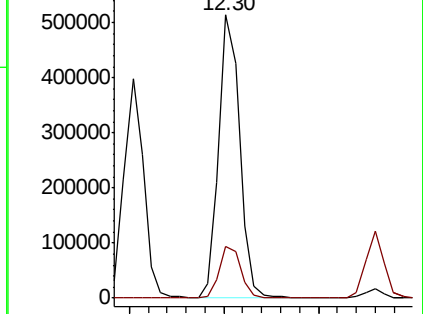
MMDadoda

1/2/2019 11:51:22 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.045 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

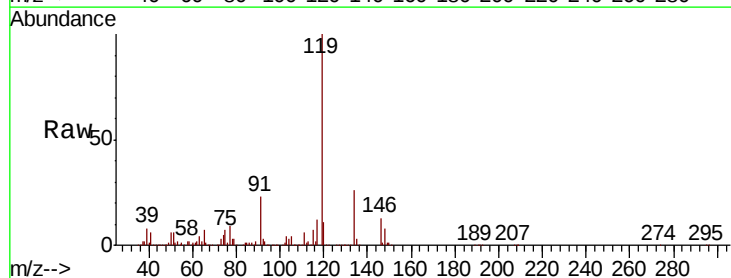
Tgt Ion:119 Resp: 655073

Ion Ratio Lower Upper

119 100

134 26.4 12.8 38.4

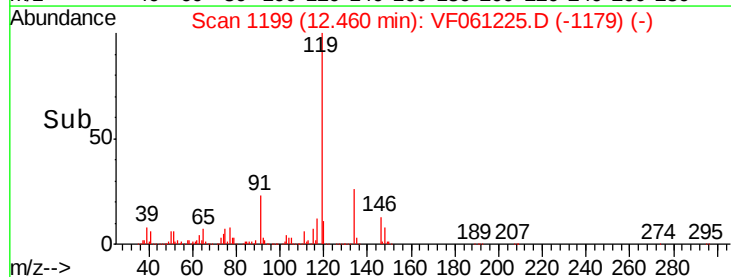
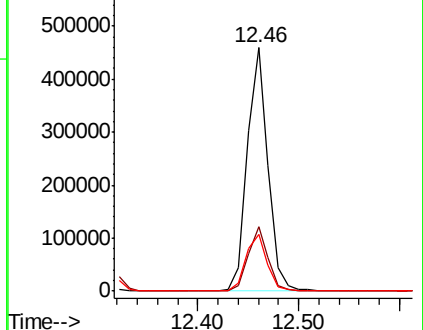
91 23.3 12.2 36.6

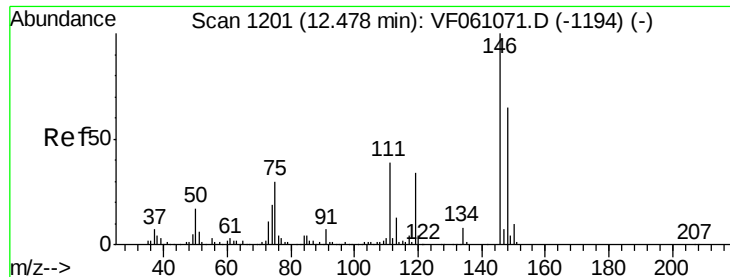


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





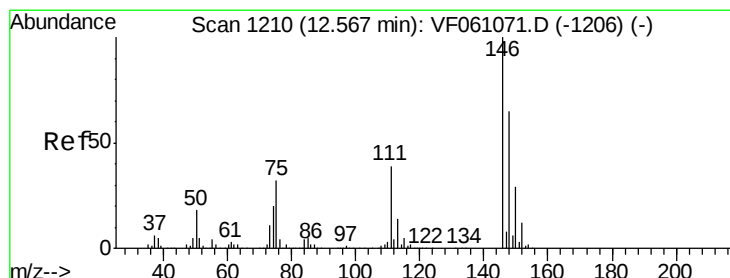
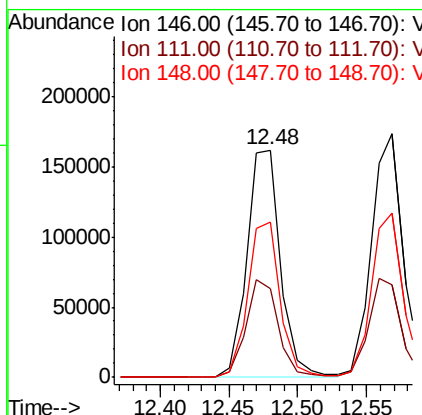
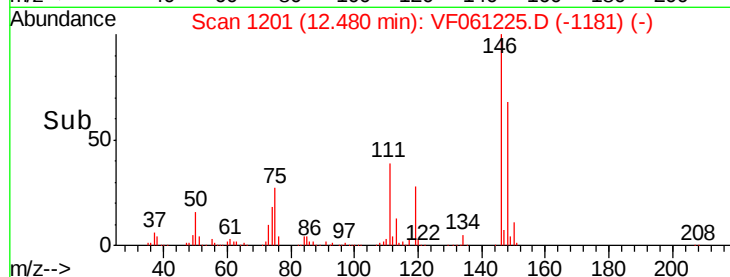
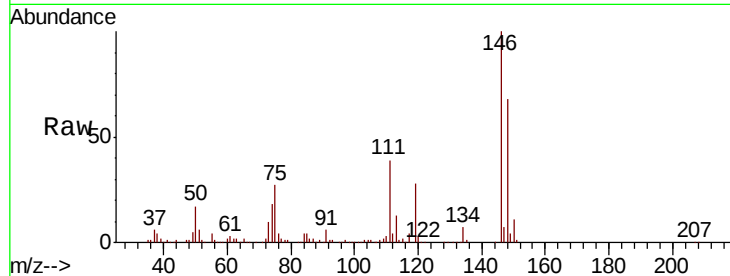
#87  
 1,3-Dichlorobenzene  
 Concen: 55.872 ug/l  
 RT: 12.48 min Scan# 1201  
 Delta R.T. 0.00 min  
 Lab File: VF061225.D  
 Acq: 28 Dec 2018 9:43

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.9  | 19.3  | 57.9  |
| 148     | 68.2  | 32.4  | 97.2  |

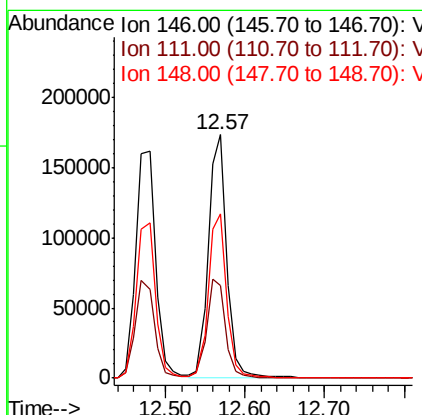
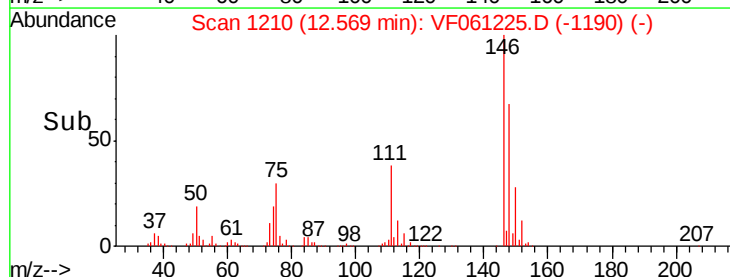
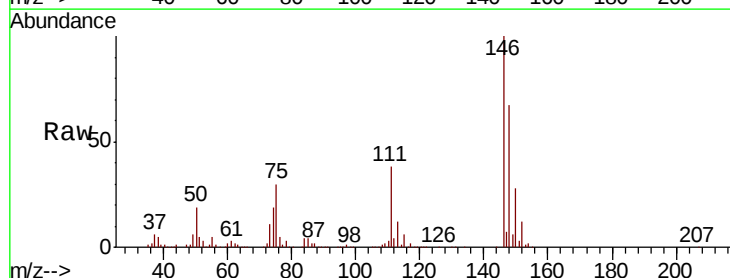
Manual Integrations  
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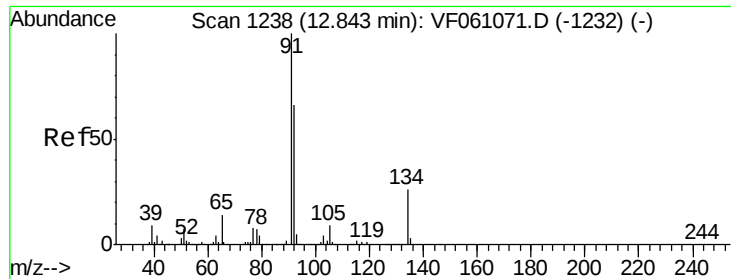
MMDadoda  
 1/2/2019 11:51:22 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 49.844 ug/l  
 RT: 12.57 min Scan# 1210  
 Delta R.T. 0.00 min  
 Lab File: VF061225.D  
 Acq: 28 Dec 2018 9:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.9  | 19.4  | 58.4  |
| 148     | 67.2  | 32.4  | 97.0  |





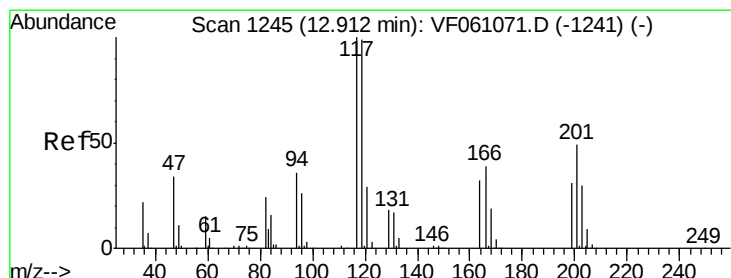
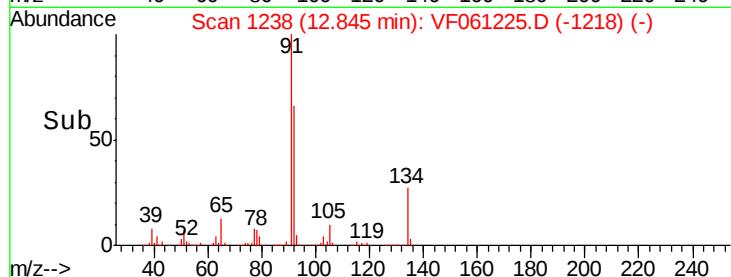
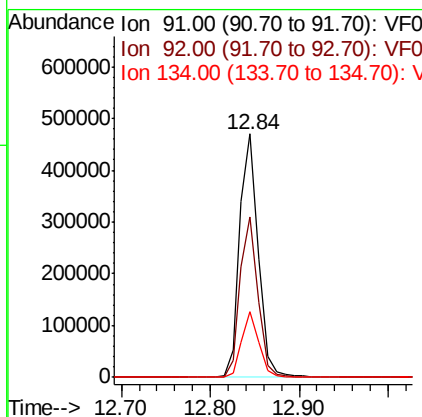
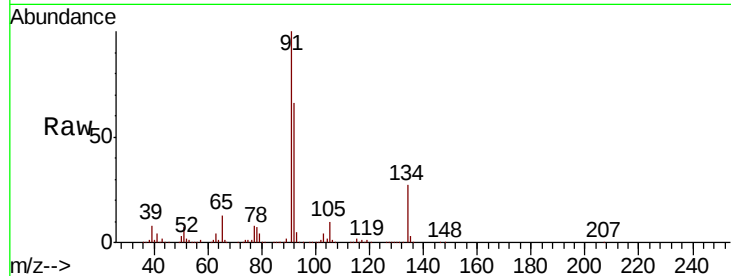
#89  
n-Butylbenzene  
Concen: 52.690 ug/l  
RT: 12.84 min Scan# 1238  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

Instrument :  
MSVOA\_F  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 66.0  | 32.8  | 98.4  |
| 134     | 27.1  | 13.2  | 39.5  |

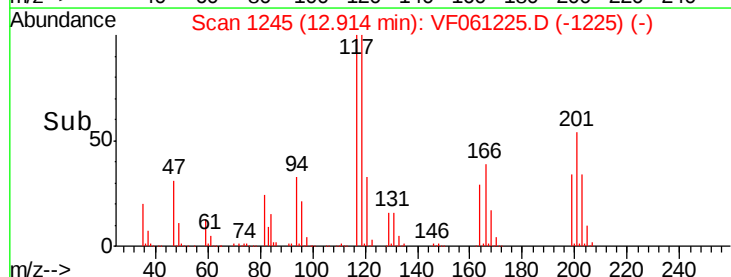
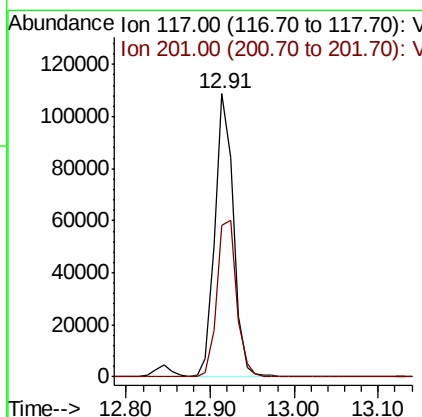
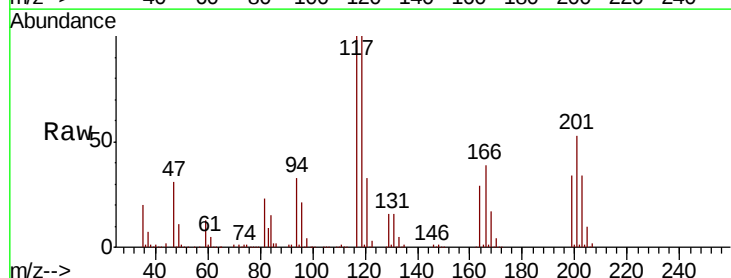
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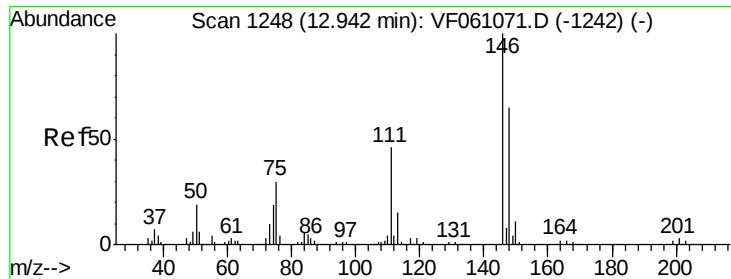
MMDadoda  
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#90  
Hexachloroethane  
Concen: 51.621 ug/l  
RT: 12.91 min Scan# 1245  
Delta R.T. 0.00 min  
Lab File: VF061225.D  
Acq: 28 Dec 2018 9:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 53.5  | 24.9  | 74.8  |





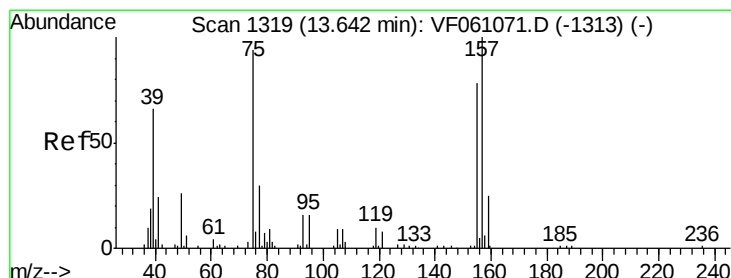
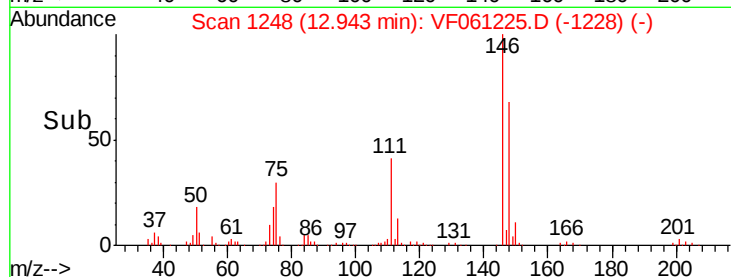
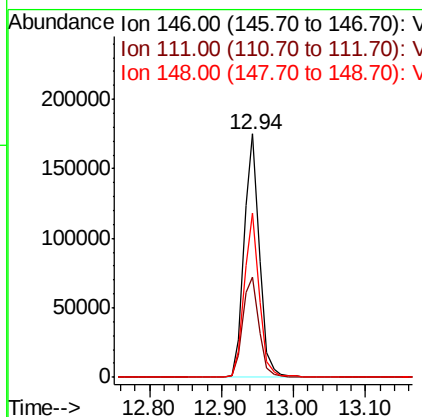
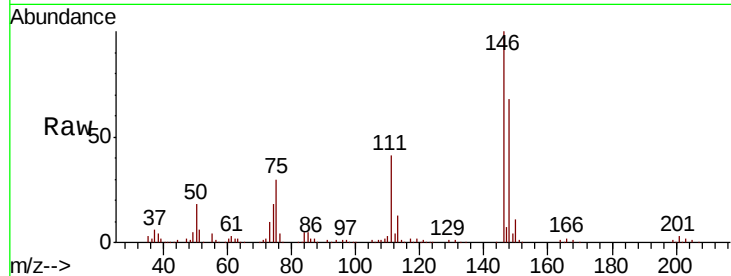
#91  
 1,2-Dichlorobenzene  
 Concen: 47.710 ug/l  
 RT: 12.94 min Scan# 1248  
 Delta R.T. 0.00 min  
 Lab File: VF061225.D  
 Acq: 28 Dec 2018 9:43

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 261851 |       |       |
| 111     | 41.0  | 23.2   | 69.5  |       |
| 148     | 67.7  | 32.4   | 97.0  |       |

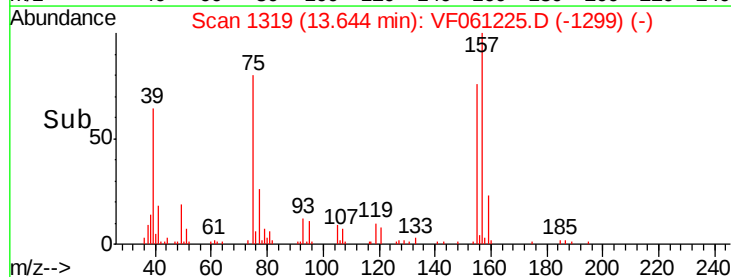
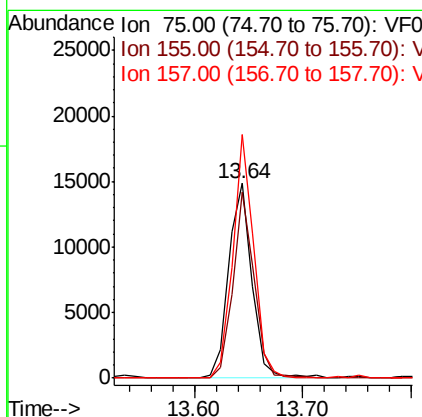
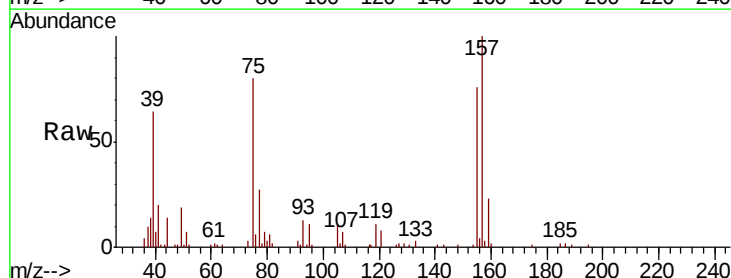
Manual Integrations  
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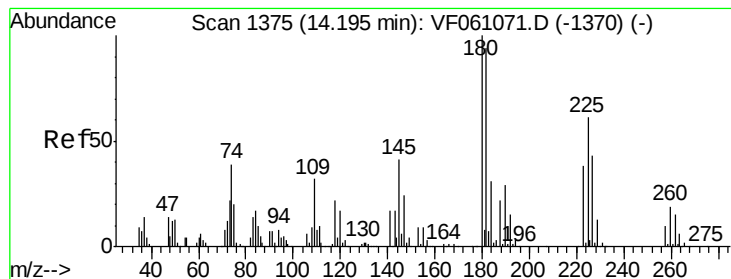
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 51.296 ug/l  
 RT: 13.64 min Scan# 1319  
 Delta R.T. 0.00 min  
 Lab File: VF061225.D  
 Acq: 28 Dec 2018 9:43

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 22280 |       |       |
| 155     | 95.7  | 41.5  | 124.5 |       |
| 157     | 125.2 | 53.2  | 159.6 |       |





#93

1,2,4-Trichlorobenzene

Concen: 48.993 ug/l

RT: 14.20 min Scan# 1375

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

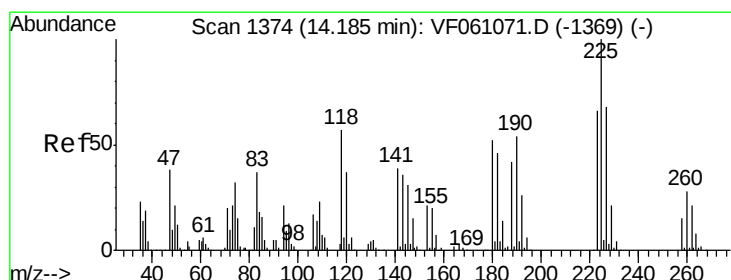
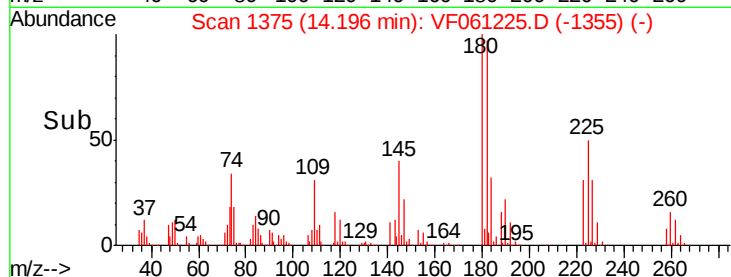
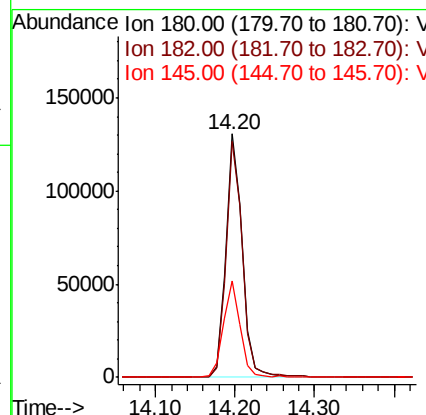
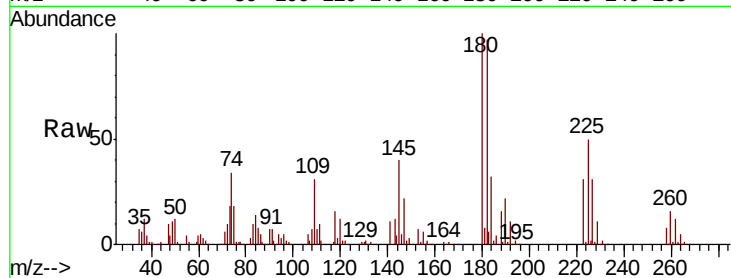
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 190697 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 97.1  | 46.9  | 140.6  |
| 145       | 39.6  | 20.5  | 61.6   |

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#94

Hexachlorobutadiene

Concen: 51.048 ug/l

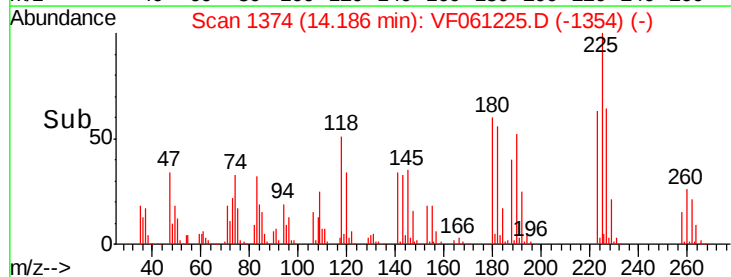
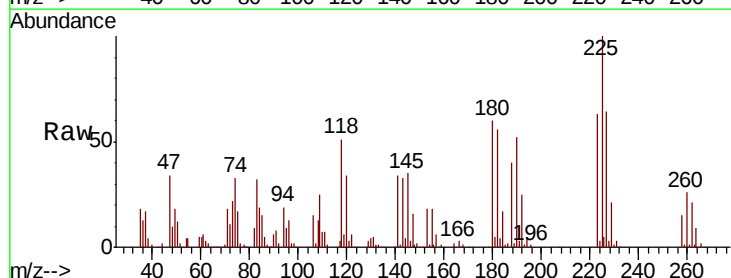
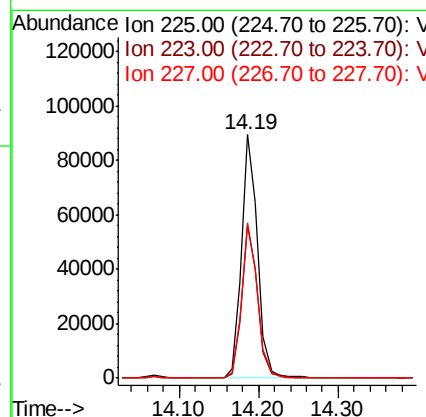
RT: 14.19 min Scan# 1374

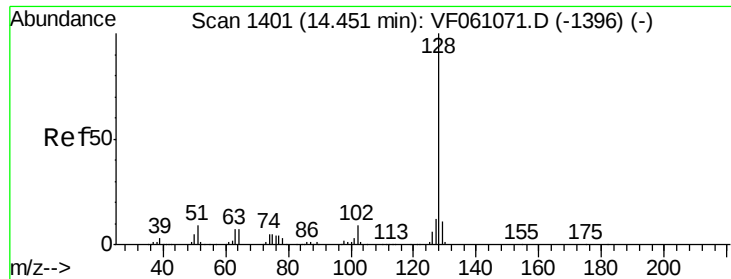
Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 126551 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 62.8  | 32.8  | 98.3   |
| 227       | 64.0  | 34.0  | 101.8  |





#95

Naphthalene

Concen: 52.519 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

Instrument :

MSVOA\_F

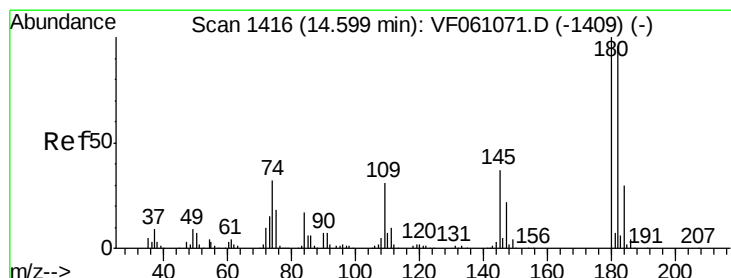
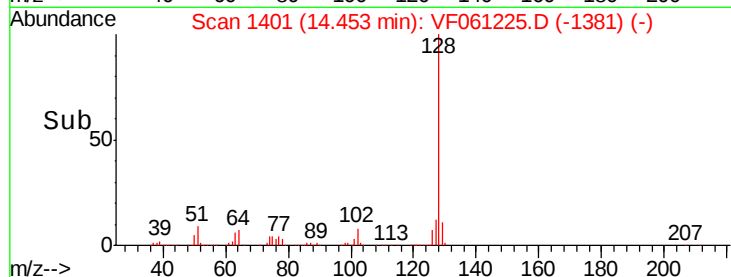
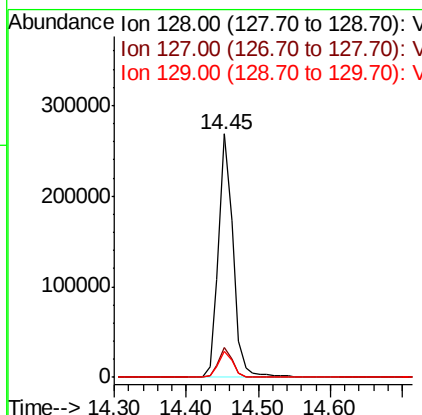
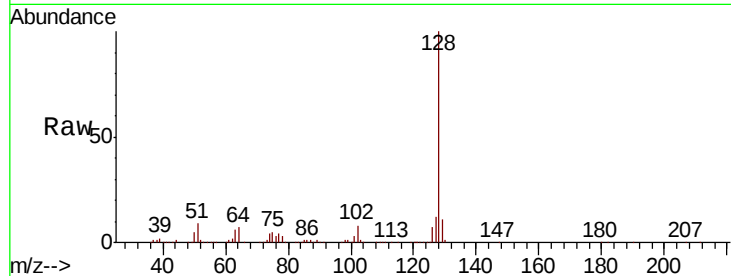
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 373282 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.0  | 9.4   | 14.2   |
| 129       | 10.5  | 8.8   | 13.2   |

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#96

1,2,3-Trichlorobenzene

Concen: 50.394 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VF061225.D

Acq: 28 Dec 2018 9:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 181331 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.7  | 47.9  | 143.8  |
| 145       | 33.8  | 18.6  | 55.8   |

