

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072418\  
 Data File : VX003645.D  
 Acq On : 24 Jul 2018 17:35  
 Operator : JC/SP  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

MMDadoda  
 8/2/2018 11:54:16 AM

Quant Time: Jul 25 04:15:24 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 25 03:58:23 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 119144   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 174149   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 166891   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 102536   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 85947    | 57.83 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 115.66% |      |
| 35) Dibromofluoromethane  | 5.51   | 113 | 70660    | 52.07 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.14% |      |
| 50) Toluene-d8            | 8.72   | 98  | 271901   | 53.25 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.50% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 99454    | 53.37 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.74% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 61169   | 53.573  | ug/l | 100    |
| 3) Chloromethane              | 1.32 | 50  | 83146   | 58.108  | ug/l | 100    |
| 4) Vinyl Chloride             | 1.40 | 62  | 88832   | 57.107  | ug/l | 100    |
| 5) Bromomethane               | 1.64 | 94  | 42907   | 47.787  | ug/l | 100    |
| 6) Chloroethane               | 1.71 | 64  | 56213   | 59.794  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 113621  | 54.479  | ug/l | 100    |
| 8) Diethyl Ether              | 2.19 | 74  | 49840   | 55.686  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 69365   | 51.343  | ug/l | 100    |
| 10) Methyl Iodide             | 2.51 | 142 | 91205   | 55.573  | ug/l | 100    |
| 11) Tert butyl alcohol        | 3.09 | 59  | 103146  | 337.051 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 65680   | 52.706  | ug/l | 100    |
| 13) Acrolein                  | 2.29 | 56  | 55477   | 380.908 | ug/l | 100    |
| 14) Allyl chloride            | 2.72 | 41  | 141015  | 61.765  | ug/l | 100    |
| 15) Acrylonitrile             | 3.15 | 53  | 244801  | 321.142 | ug/l | 100    |
| 16) Acetone                   | 2.45 | 43  | 196781  | 338.697 | ug/l | 100    |
| 17) Carbon Disulfide          | 2.57 | 76  | 189060  | 50.965  | ug/l | 100    |
| 18) Methyl Acetate            | 2.78 | 43  | 119617  | 65.977  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 3.21 | 73  | 238819  | 57.762  | ug/l | 100    |
| 20) Methylene Chloride        | 2.85 | 84  | 79399   | 51.365  | ug/l | 100    |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 72163   | 52.010  | ug/l | 100    |
| 22) Diisopropyl ether         | 3.88 | 45  | 258645  | 60.491  | ug/l | 100    |
| 23) Vinyl Acetate             | 3.83 | 43  | 1117688 | 314.441 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 140216  | 56.772  | ug/l | 100    |
| 25) 2-Butanone                | 4.71 | 43  | 311401  | 324.391 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 92354   | 50.597  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 78989   | 51.485  | ug/l | 100    |
| 28) Bromochloromethane        | 5.02 | 49  | 55324   | 52.302  | ug/l | 100    |
| 29) Tetrahydrofuran           | 5.17 | 42  | 211488  | 331.563 | ug/l | 100    |
| 30) Chloroform                | 5.22 | 83  | 129543  | 54.269  | ug/l | 100    |
| 31) Cyclohexane               | 5.57 | 56  | 118429  | 54.270  | ug/l | 100    |
| 32) 1,1,1-Trichloroethane     | 5.50 | 97  | 111036  | 54.322  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 98430   | 51.523  | ug/l | 100    |
| 37) Ethyl Acetate             | 4.87 | 43  | 117884  | 62.397  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 5.79 | 117 | 95843   | 51.435  | ug/l | 100    |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072418\  
 Data File : VX003645.D  
 Acq On : 24 Jul 2018 17:35  
 Operator : JC/SP  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

MMDadoda  
 8/2/2018 11:54:16 AM

Quant Time: Jul 25 04:15:24 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 25 03:58:23 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 115460   | 51.037   | ug/l   | 100      |
| 40) Benzene                    | 6.15  | 78   | 300641   | 51.907   | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.07  | 41   | 65837    | 59.543   | ug/l   | 100      |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 104593   | 56.250   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 6.48  | 43   | 182321   | 61.060   | ug/l   | 100      |
| 44) Trichloroethene            | 7.22  | 130  | 78825    | 46.581   | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 78631    | 53.295   | ug/l   | 100      |
| 46) Dibromomethane             | 7.66  | 93   | 49761    | 52.574   | ug/l   | 100      |
| 47) Bromodichloromethane       | 7.90  | 83   | 95170    | 54.706   | ug/l   | 100      |
| 48) Methyl methacrylate        | 7.78  | 41   | 93517    | 62.017   | ug/l   | 100      |
| 49) 1,4-Dioxane                | 7.76  | 88   | 42233    | 1242.408 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 611410   | 321.216  | ug/l   | 100      |
| 52) Toluene                    | 8.79  | 92   | 187271   | 51.628   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 8.44  | 75   | 117533   | 55.062   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.05  | 75   | 107507   | 55.854   | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 77246    | 53.220   | ug/l   | 100      |
| 56) Ethyl methacrylate         | 9.18  | 69   | 120786   | 58.430   | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 9.38  | 76   | 128378   | 54.423   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 303797   | 298.930  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.50  | 43   | 477870   | 336.043  | ug/l   | 100      |
| 60) Dibromochloromethane       | 9.59  | 129  | 76191    | 53.412   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.68  | 107  | 80237    | 53.365   | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.34  | 164  | 74663    | 38.249   | ug/l   | 100      |
| 65) Chlorobenzene              | 10.14 | 112  | 206413   | 48.027   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 73594    | 49.783   | ug/l   | 100      |
| 67) Ethyl Benzene              | 10.26 | 91   | 359149   | 51.528   | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.36 | 106  | 279907   | 102.798  | ug/l   | 100      |
| 69) o-Xylene                   | 10.70 | 106  | 134534   | 51.178   | ug/l   | 100      |
| 70) Styrene                    | 10.71 | 104  | 230420   | 53.129   | ug/l   | 100      |
| 71) Bromoform                  | 10.86 | 173  | 60138    | 52.274   | ug/l # | 100      |
| 73) Isopropylbenzene           | 11.02 | 105  | 360725   | 50.720   | ug/l   | 100      |
| 74) N-amyl acetate             | 6.48  | 43   | 182321   | 58.148   | ug/l # | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 124953   | 57.882   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 106254m  | 56.065   | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 94476    | 46.639   | ug/l   | 100      |
| 78) n-propylbenzene            | 11.37 | 91   | 421804   | 52.952   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 247141   | 51.146   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 309351   | 52.608   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.08 | 75   | 36978    | 61.861   | ug/l   | 100      |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 292299   | 51.534   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.77 | 119  | 297959   | 51.819   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 319742   | 53.392   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.95 | 105  | 360185   | 51.648   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 325027   | 52.000   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146  | 175231   | 46.837   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 178736   | 46.298   | ug/l   | 100      |
| 89) n-Butylbenzene             | 12.39 | 91   | 285068   | 53.287   | ug/l   | 100      |
| 90) Hexachloroethane           | 12.60 | 117  | 46678    | 52.040   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 177591   | 48.103   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 27292    | 63.861   | ug/l   | 100      |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072418\  
Data File : VX003645.D  
Acq On : 24 Jul 2018 17:35  
Operator : JC/SP  
Sample : VSTDICCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
APPROVED

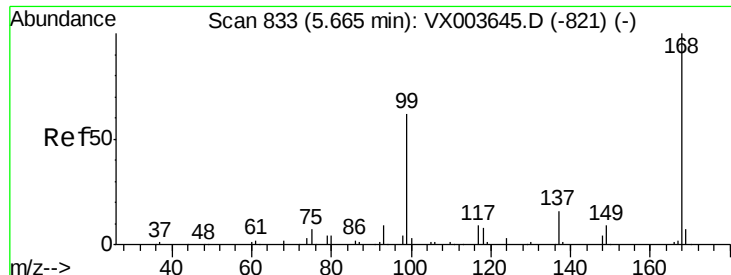
MMDadoda  
8/2/2018 11:54:16 AM

Quant Time: Jul 25 04:15:24 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X072418W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 25 03:58:23 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 129075   | 47.786 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 57798    | 44.961 | ug/l  | 100      |
| 95) Naphthalene            | 13.84 | 128  | 414416   | 56.983 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 133630   | 49.692 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 119144

Ion Ratio Lower Upper

168 100

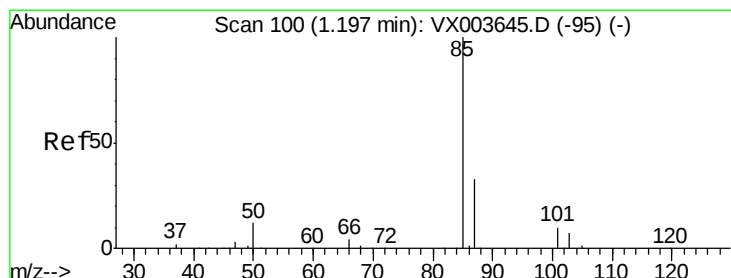
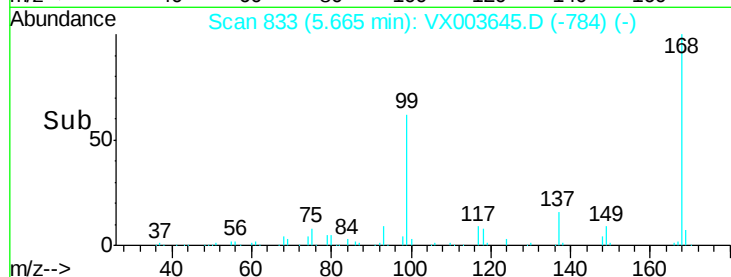
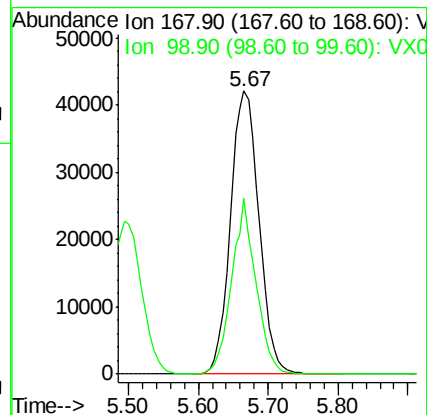
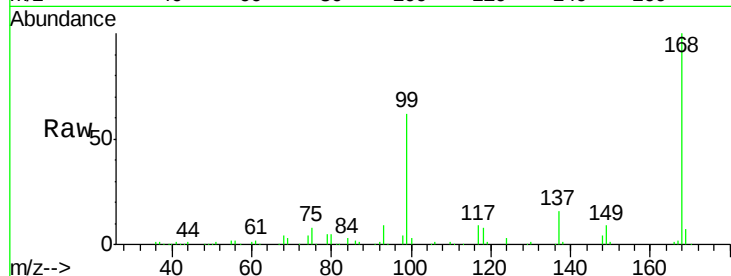
99 61.9 49.5 74.3

Manual Integrations

APPROVED

MMDadoda

8/2/2018 11:54:16 AM



#2

Dichlorodifluoromethane

Concen: 53.573 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003645.D

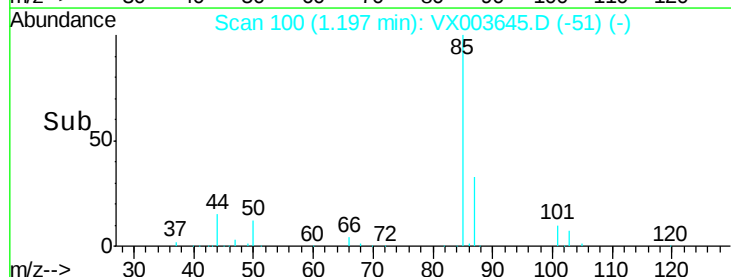
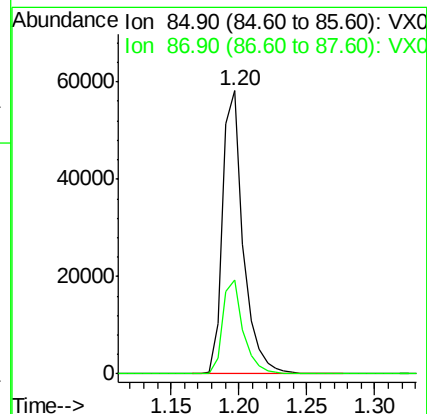
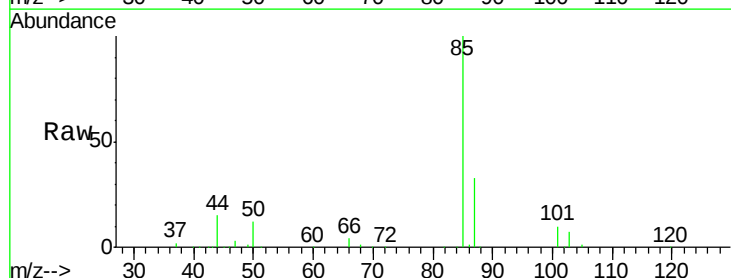
Acq: 24 Jul 2018 17:35

Tgt Ion: 85 Resp: 61169

Ion Ratio Lower Upper

85 100

87 33.0 16.5 49.5





#3

Chloromethane

Concen: 58.108 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 83146

Ion Ratio Lower Upper

50 100

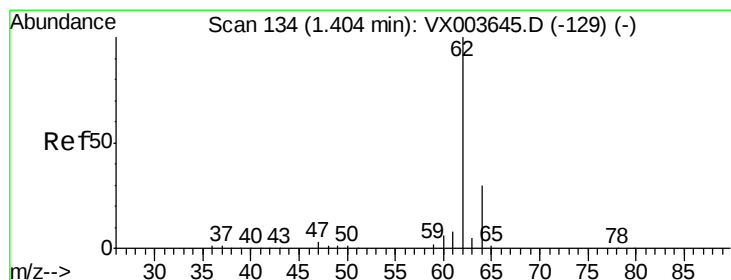
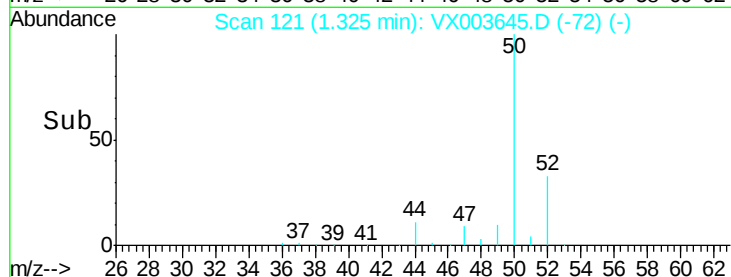
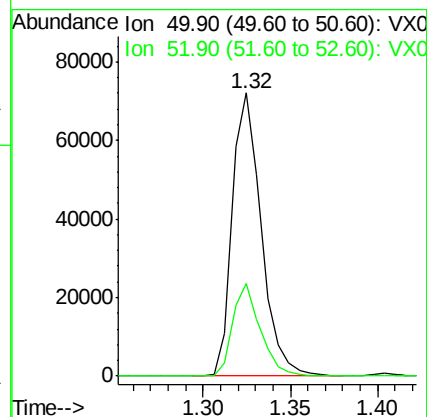
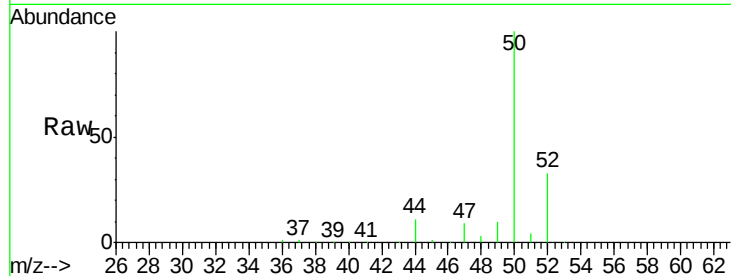
52 32.9 26.3 39.5

Manual Integrations

APPROVED

MMDadoda

8/2/2018 11:54:16 AM



#4

Vinyl Chloride

Concen: 57.107 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003645.D

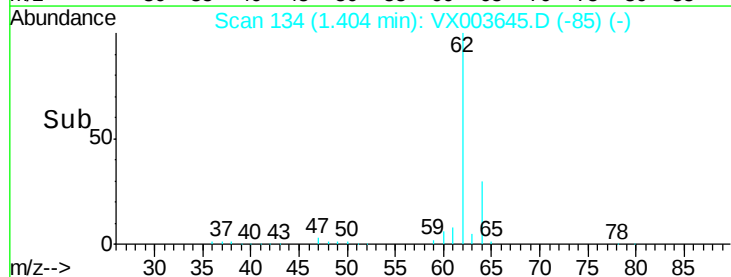
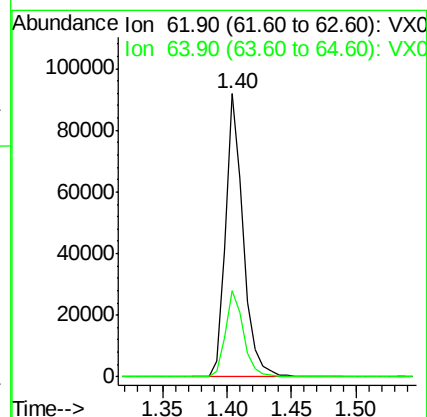
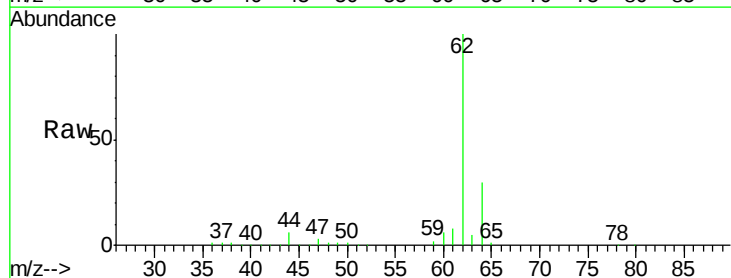
Acq: 24 Jul 2018 17:35

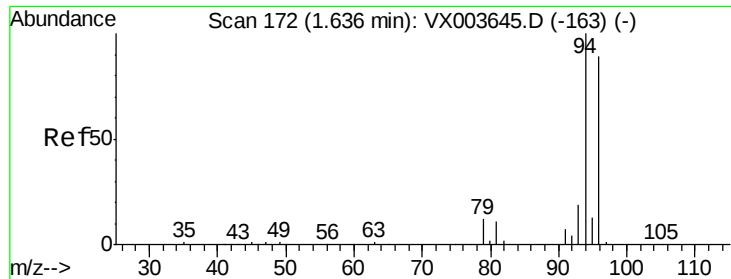
Tgt Ion: 62 Resp: 88832

Ion Ratio Lower Upper

62 100

64 30.5 24.4 36.6





#5

Bromomethane

Concen: 47.787 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Instrument :

MSVOA\_X

ClientSampled :

VSTDICCC050

Tot Ion: 94 Resp: 42907

Ion Ratio Lower Upper

94 100

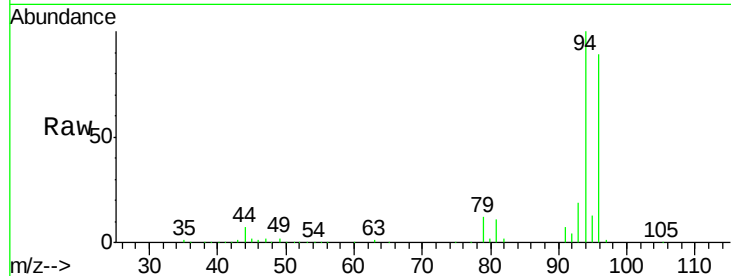
96 89.1 71.3 106.9

Manual Integrations

APPROVED

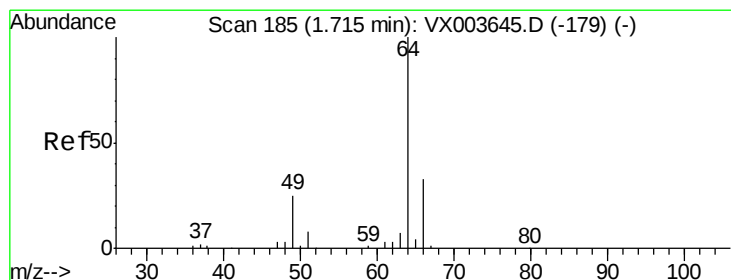
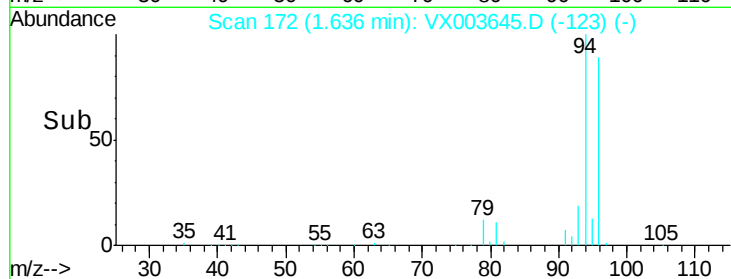
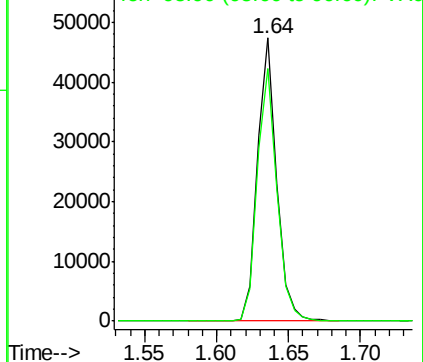
MMDadoda

8/2/2018 11:54:16 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 59.794 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003645.D

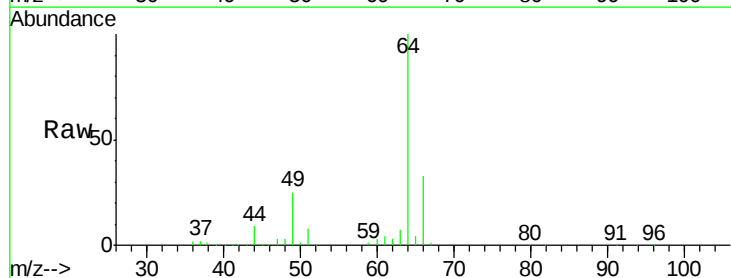
Acq: 24 Jul 2018 17:35

Tgt Ion: 64 Resp: 56213

Ion Ratio Lower Upper

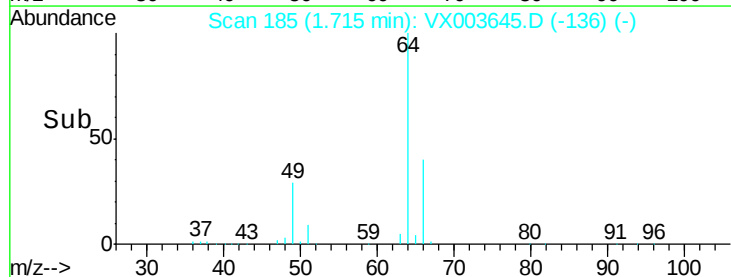
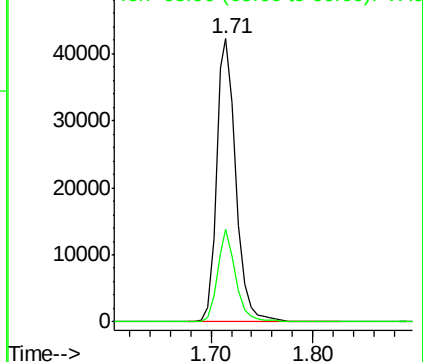
64 100

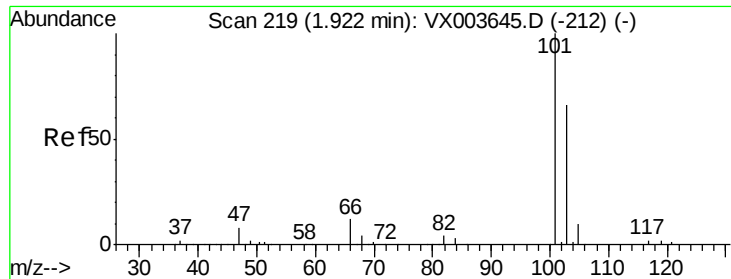
66 32.9 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

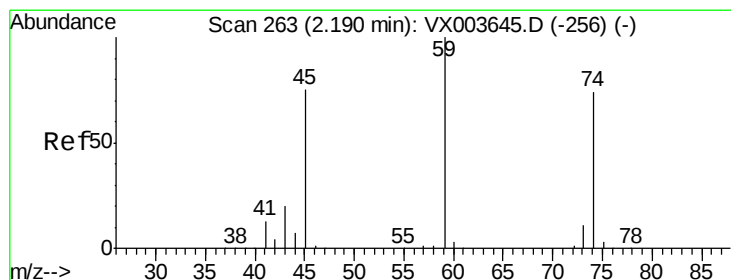
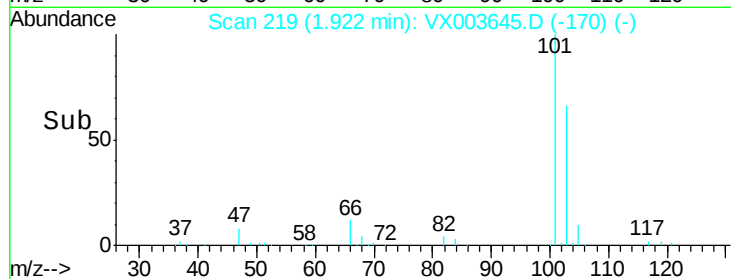
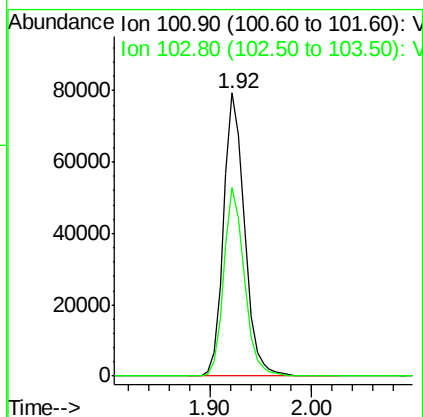
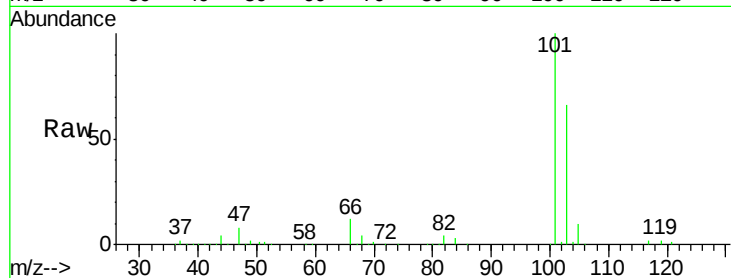
Trichlorofluoromethane  
Concen: 54.479 ug/l  
RT: 1.92 min Scan# 219  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 66.5  | 53.2  | 79.8  |

Manual Integrations  
APPROVED

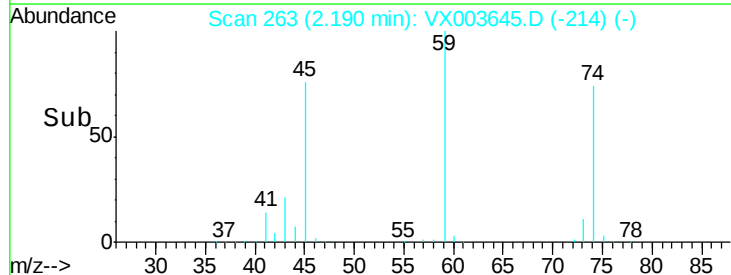
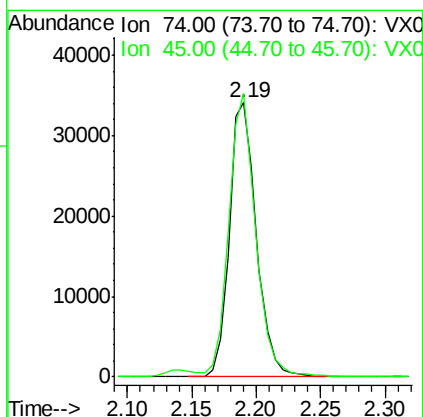
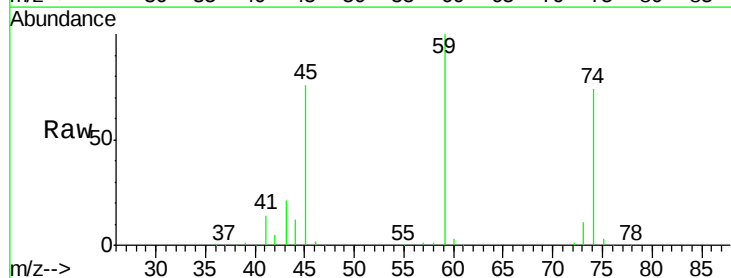
MMDadoda  
8/2/2018 11:54:16 AM

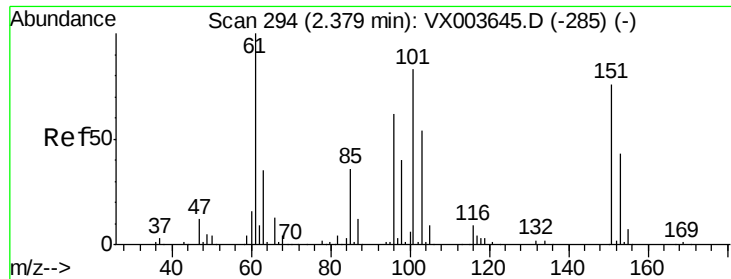


#8

Diethyl Ether  
Concen: 55.686 ug/l  
RT: 2.19 min Scan# 263  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 102.1 | 51.0  | 153.1 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.343 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Instrument :

MSVOA\_X

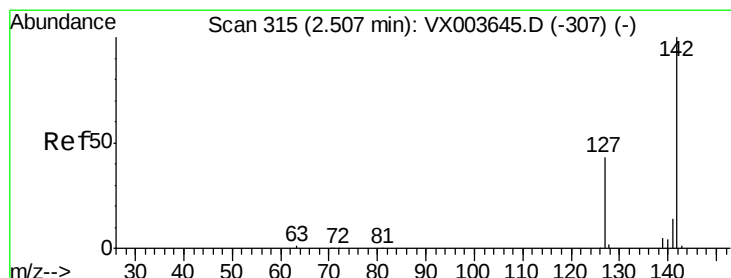
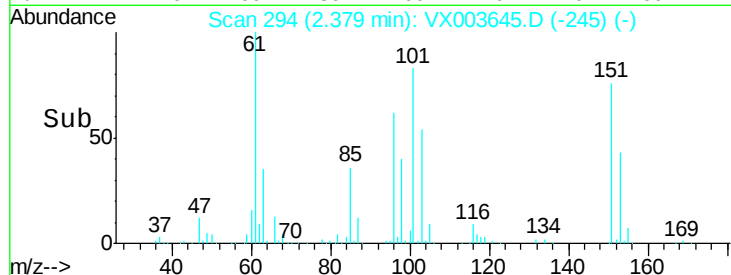
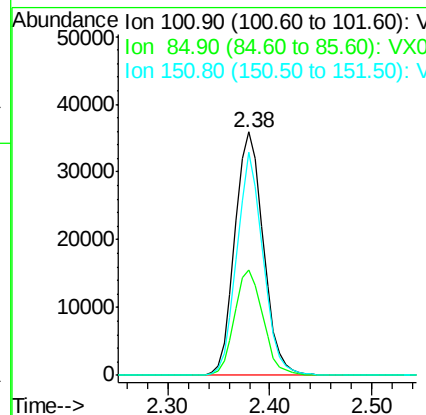
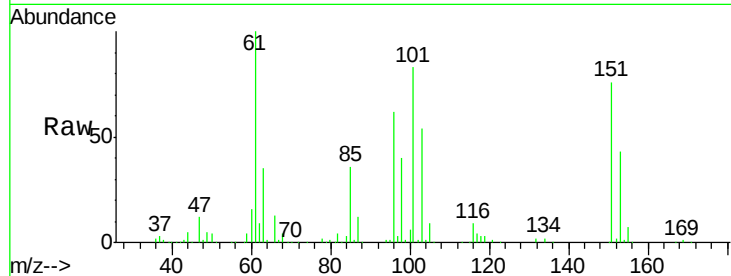
ClientSampleId :

VSTDICCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 69365 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.3  | 34.6  | 52.0  |
| 151       | 84.4  | 67.5  | 101.3 |

Manual Integrations  
APPROVED

MMDadoda  
8/2/2018 11:54:16 AM



#10

Methyl Iodide

Concen: 55.573 ug/l

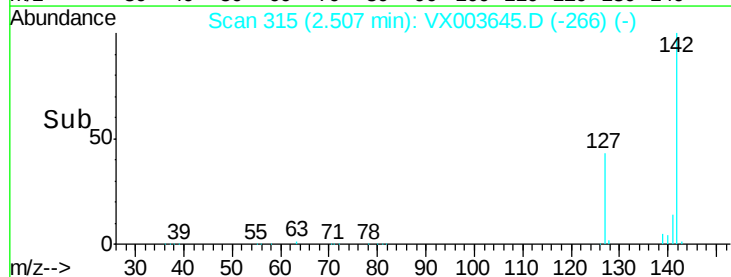
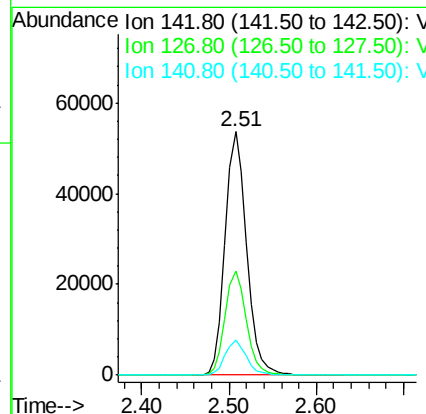
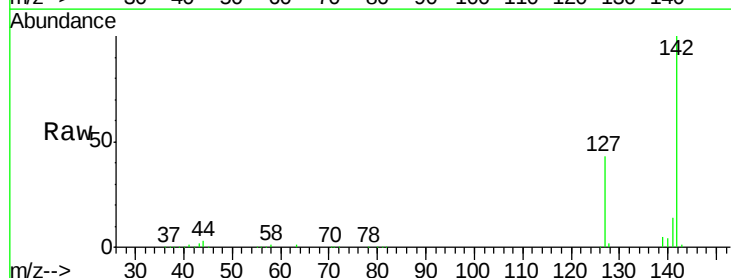
RT: 2.51 min Scan# 315

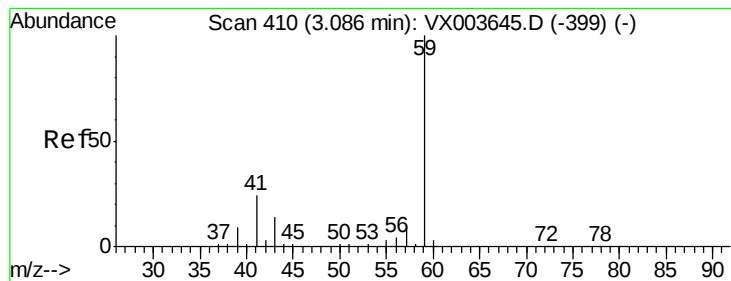
Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 91205 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 42.5  | 34.0  | 51.0  |
| 141       | 14.1  | 11.3  | 16.9  |





#11

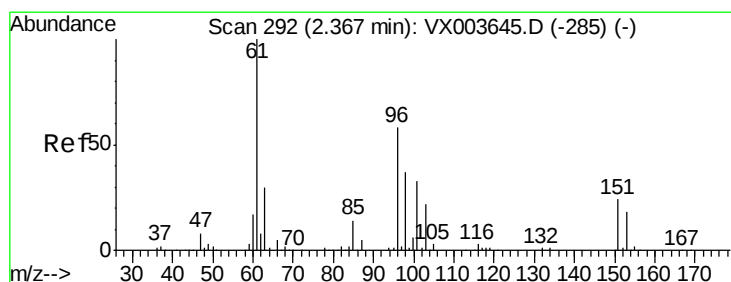
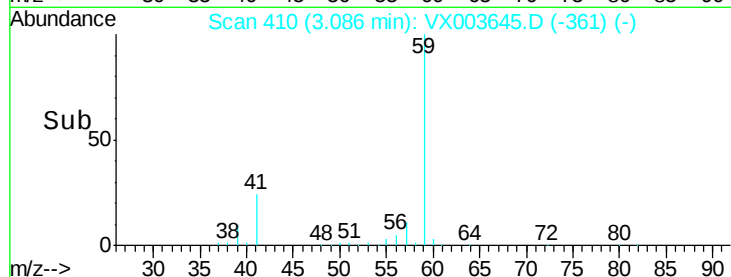
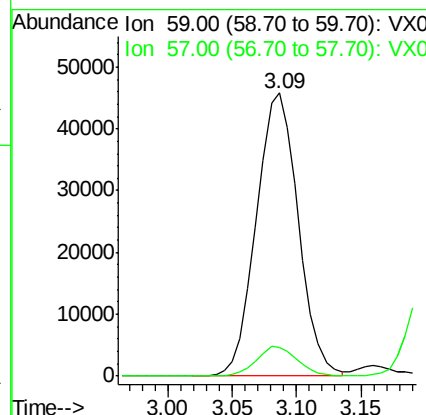
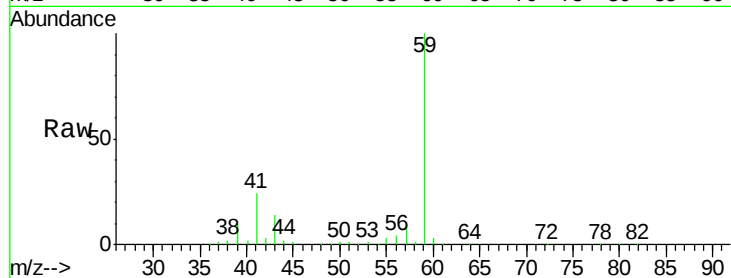
Tert butyl alcohol  
Concen: 337.051 ug/l  
RT: 3.09 min Scan# 410  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDICCC050

| Tot Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 59      | 59  | 100   | 103146 |       |       |
| 57      | 57  | 10.3  |        | 8.2   | 12.4  |

Manual Integrations  
APPROVED

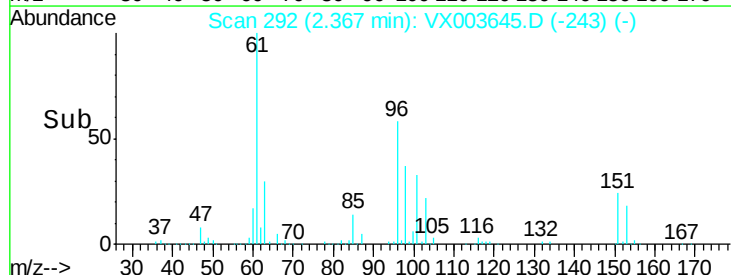
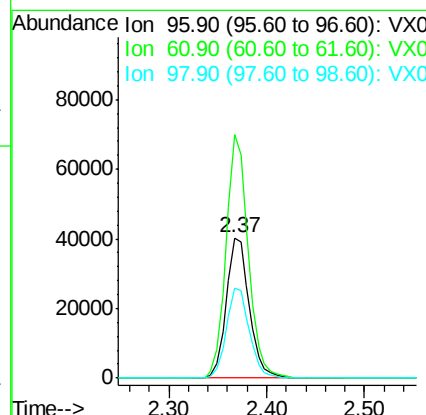
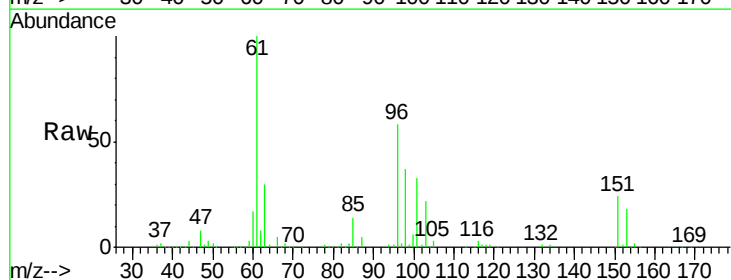
MMDadoda  
8/2/2018 11:54:16 AM

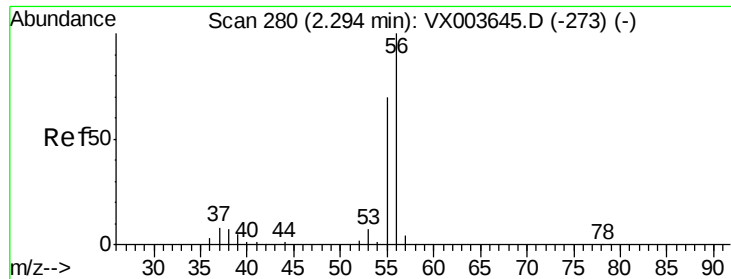


#12

1,1-Dichloroethene  
Concen: 52.706 ug/l  
RT: 2.37 min Scan# 292  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

| Tgt Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 96      | 96  | 100   | 65680 |       |       |
| 61      | 61  | 173.5 |       | 138.8 | 208.2 |
| 98      | 98  | 64.3  |       | 51.4  | 77.2  |





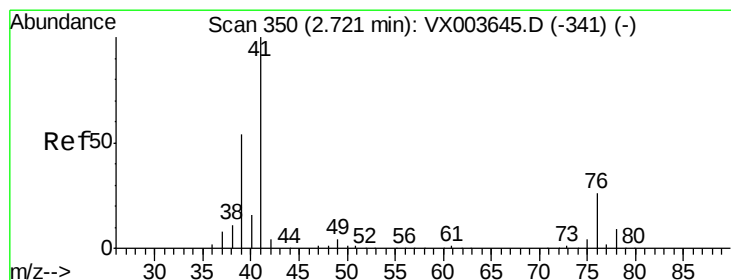
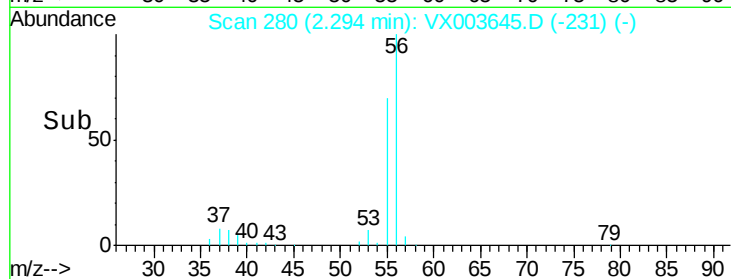
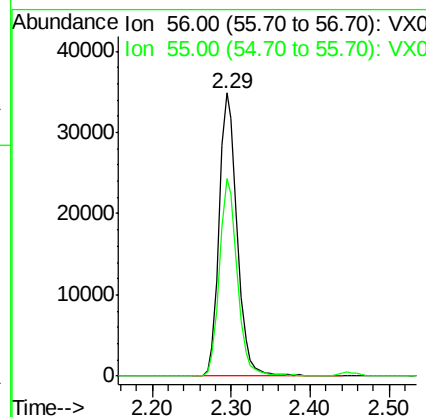
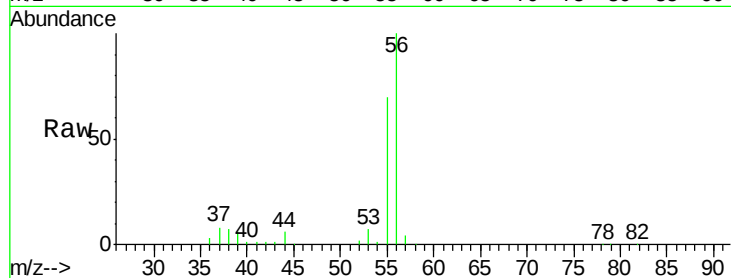
#13  
Acrolein  
Concen: 380.908 ug/l  
RT: 2.29 min Scan# 280  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 69.3  | 55.4  | 83.2  |

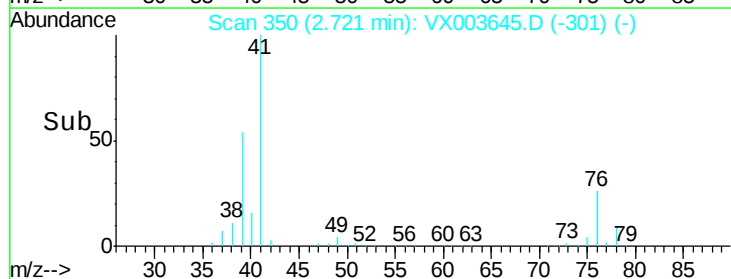
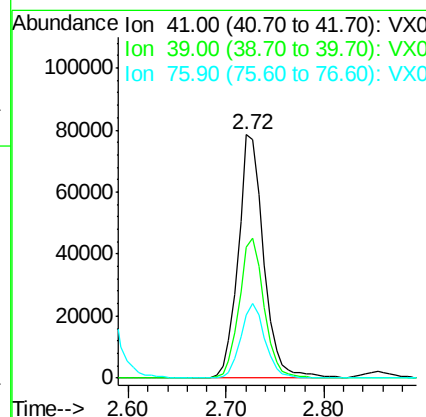
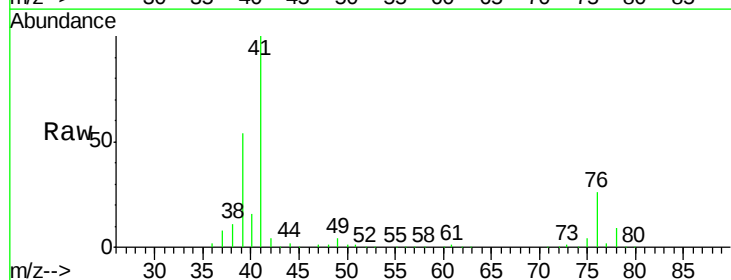
Manual Integrations  
APPROVED

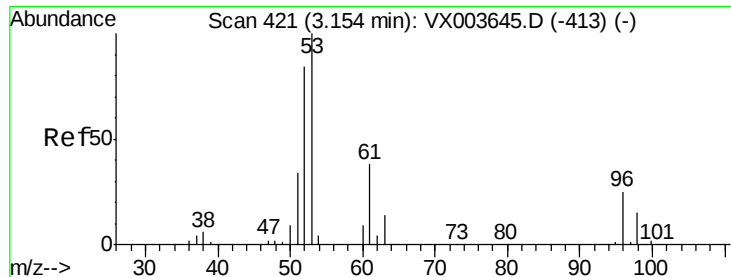
MMDadoda  
8/2/2018 11:54:16 AM



#14  
Allyl chloride  
Concen: 61.765 ug/l  
RT: 2.72 min Scan# 350  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 56.6  | 45.3  | 67.9  |
| 76      | 29.7  | 23.8  | 35.6  |





#15

Acrylonitrile

Concen: 321.142 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Instrument :

MSVOA\_X

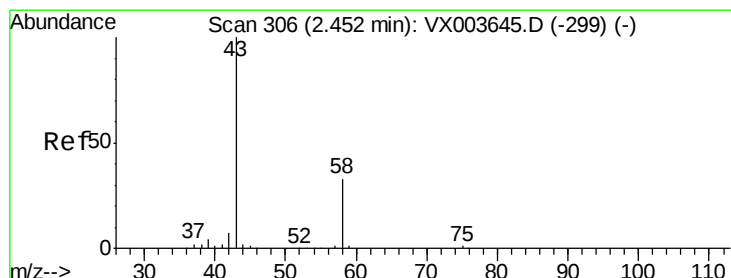
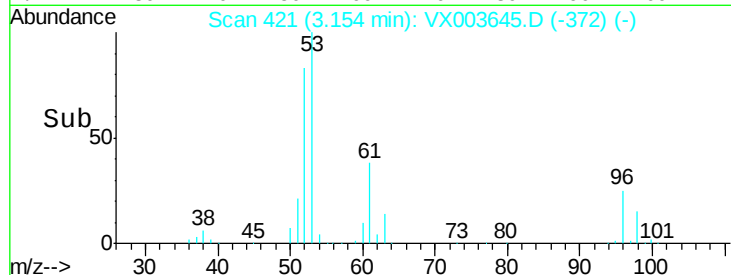
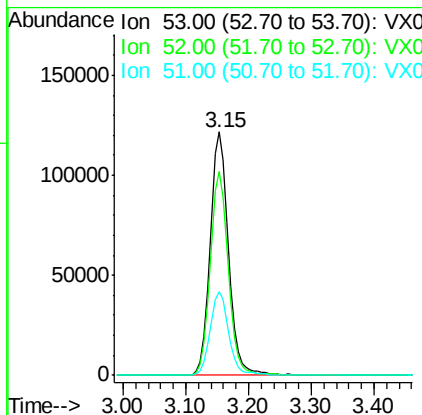
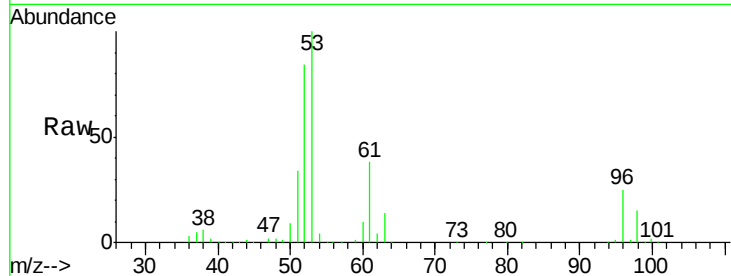
ClientSampleId :

VSTDICCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 244801 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.6  | 66.1  | 99.1   |
| 51        | 35.3  | 28.2  | 42.4   |

Manual Integrations  
APPROVED

MMDadoda  
8/2/2018 11:54:16 AM



#16

Acetone

Concen: 338.697 ug/l

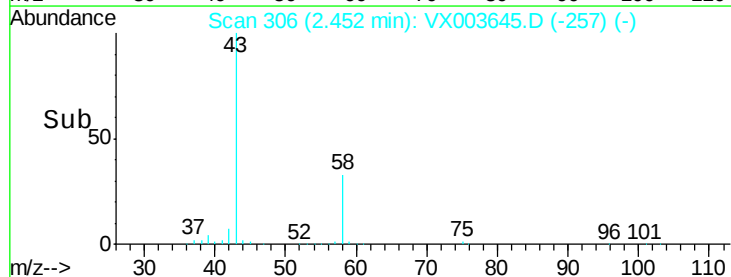
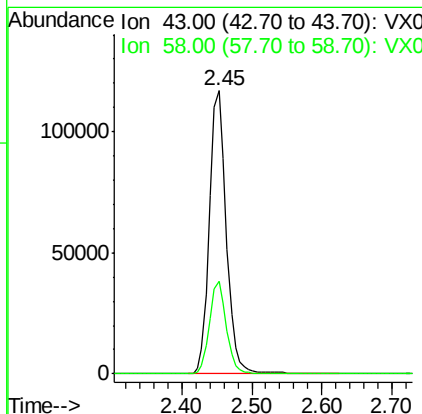
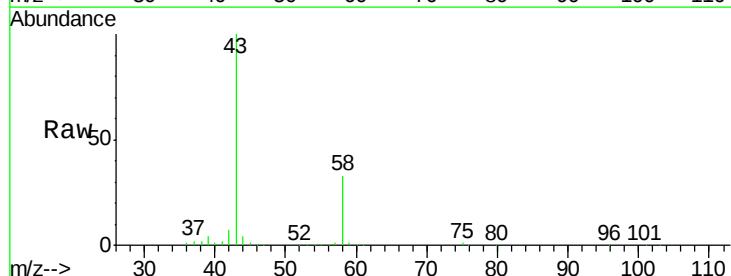
RT: 2.45 min Scan# 306

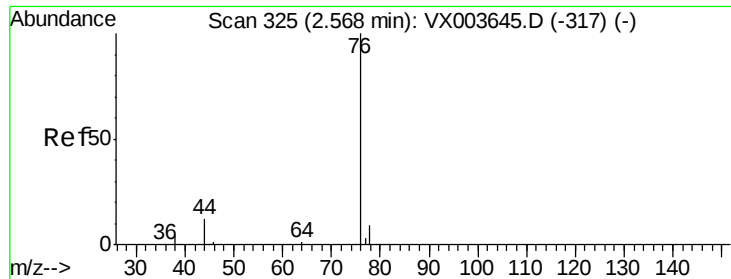
Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 196781 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 32.6  | 26.1  | 39.1   |





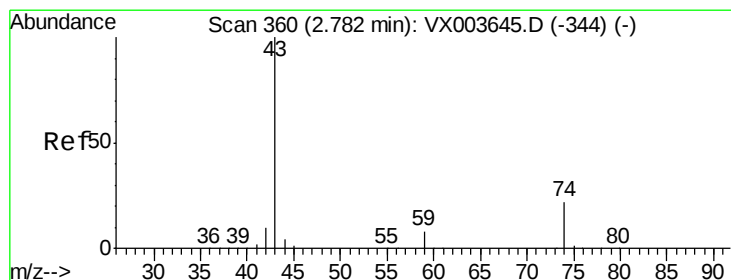
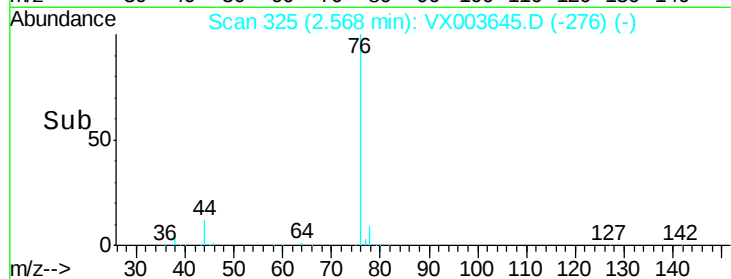
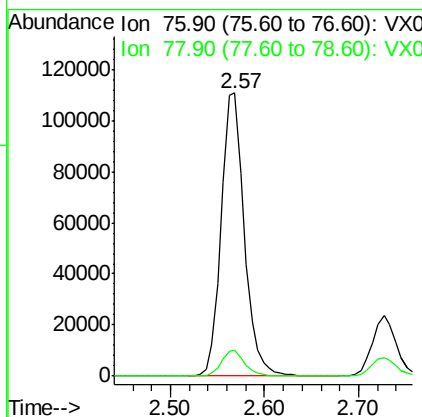
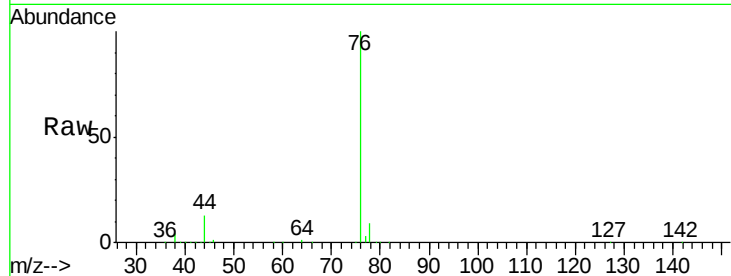
#17  
Carbon Disulfide  
Concen: 50.965 ug/l  
RT: 2.57 min Scan# 325  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.2   | 7.4   | 11.0  |

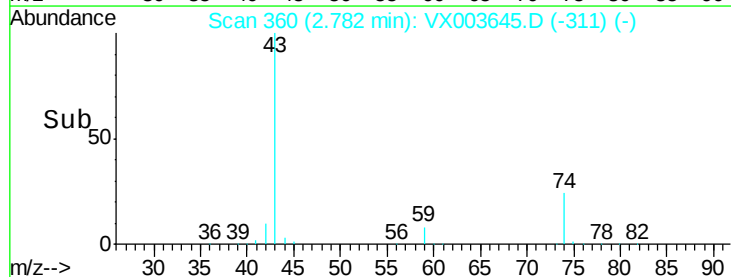
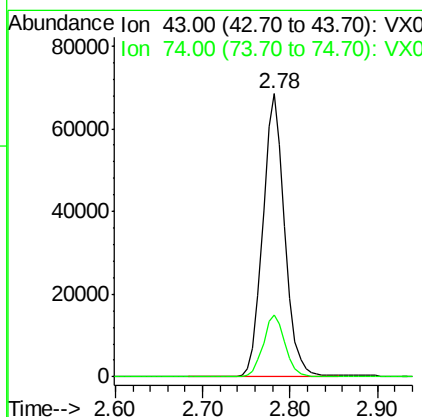
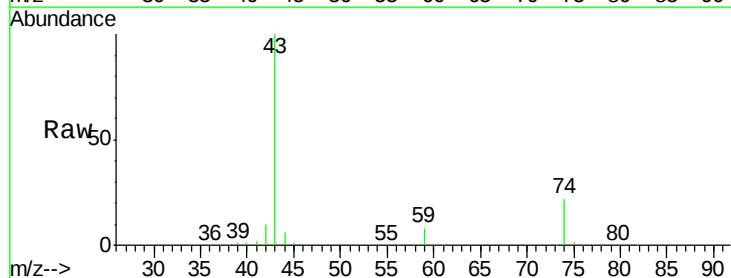
Manual Integrations  
APPROVED

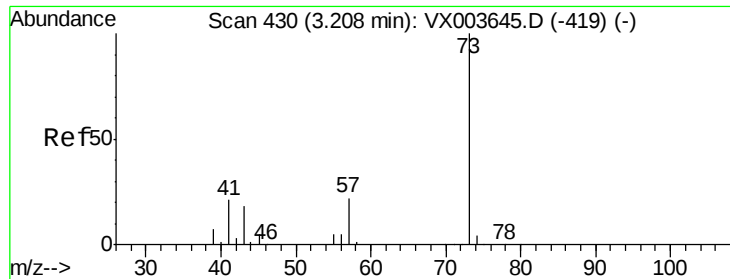
MMDadoda  
8/2/2018 11:54:16 AM



#18  
Methyl Acetate  
Concen: 65.977 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.3  | 17.8  | 26.8  |





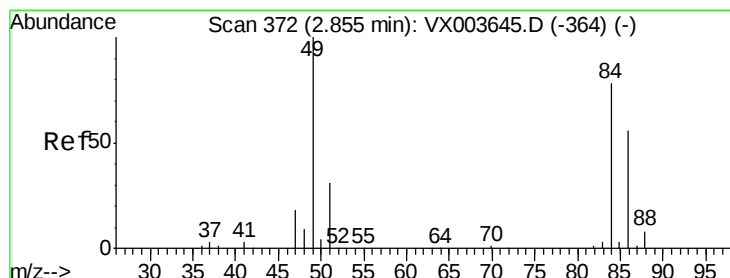
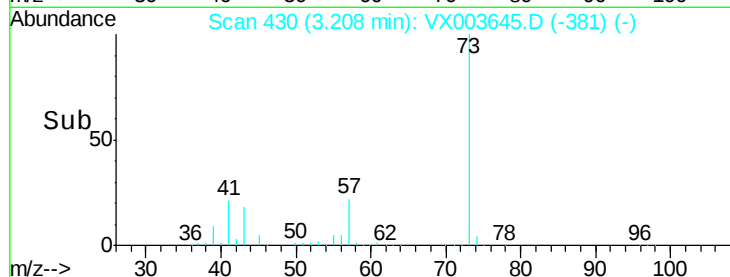
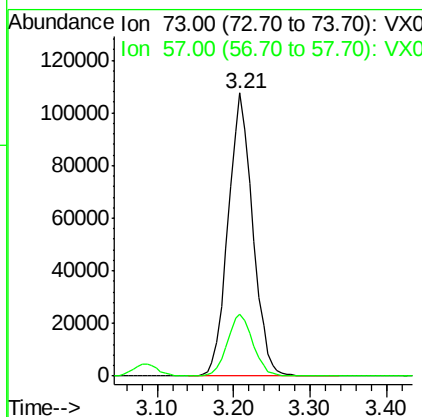
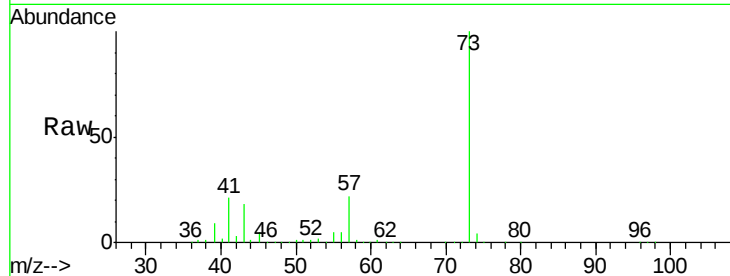
#19  
Methvl tert-butvl Ether  
Concen: 57.762 ug/l  
RT: 3.21 min Scan# 430  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion: 73 Resp: 238819  
Ion Ratio Lower Upper  
73 100  
57 21.8 17.4 26.2

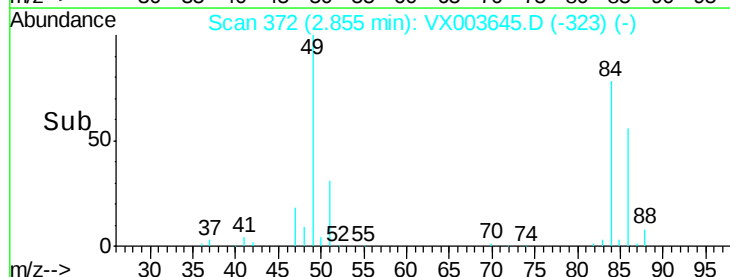
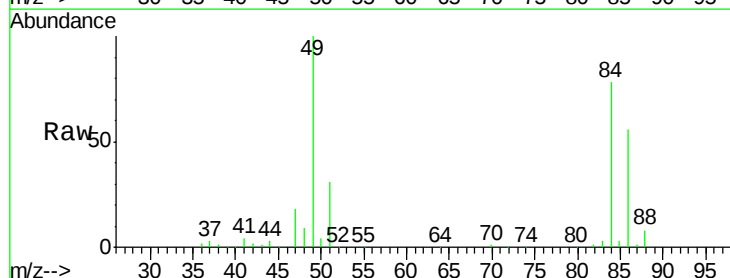
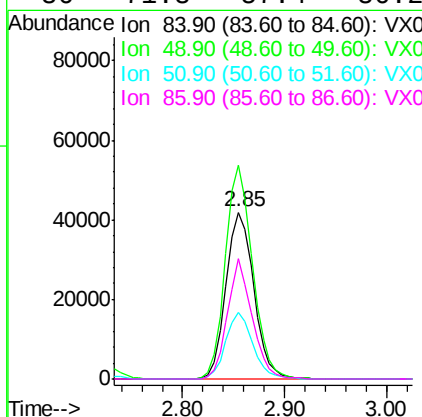
Manual Integrations  
APPROVED

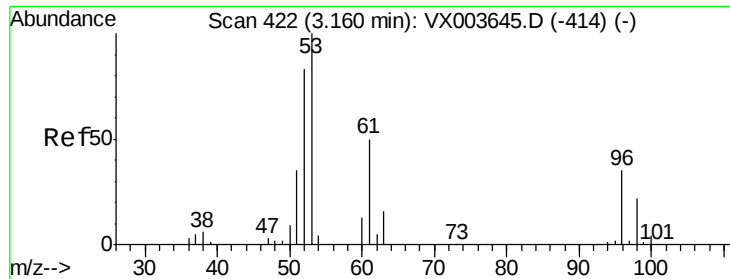
MMDadoda  
8/2/2018 11:54:16 AM



#20  
Methylene Chloride  
Concen: 51.365 ug/l  
RT: 2.85 min Scan# 372  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Tgt Ion: 84 Resp: 79399  
Ion Ratio Lower Upper  
84 100  
49 127.9 102.3 153.5  
51 39.8 31.8 47.8  
86 71.8 57.4 86.2





#21

trans-1,2-Dichloroethene

Concen: 52.010 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 72163

Ion Ratio Lower Upper

96 100

61 143.7 115.0 172.4

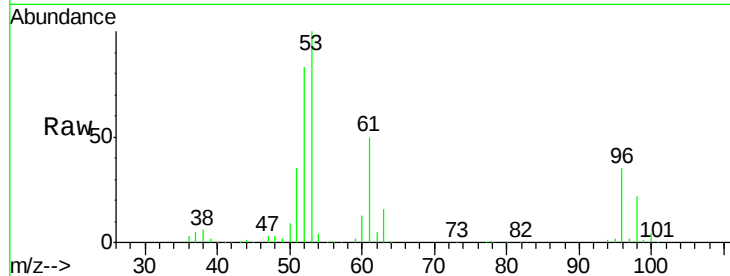
98 62.1 49.7 74.5

Manual Integrations

APPROVED

MMDadoda

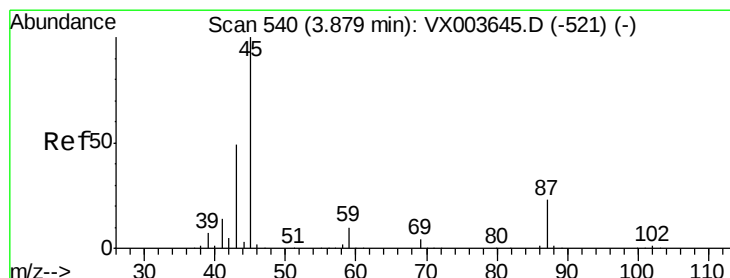
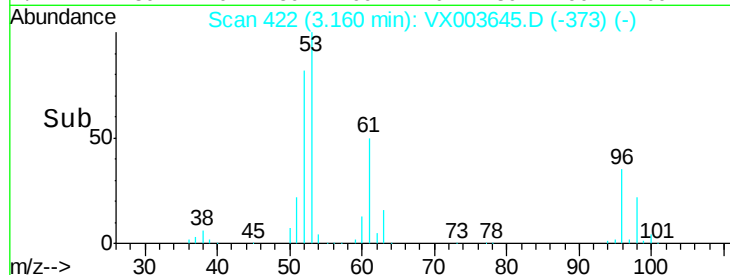
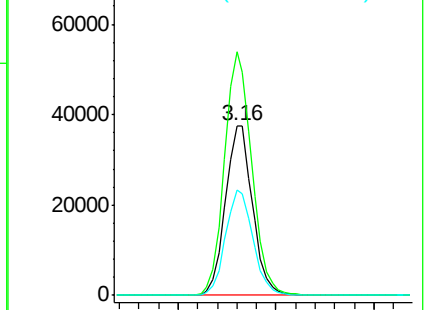
8/2/2018 11:54:16 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 60.491 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Tgt Ion: 45 Resp: 258645

Ion Ratio Lower Upper

45 100

43 48.7 39.0 58.4

87 23.0 18.4 27.6

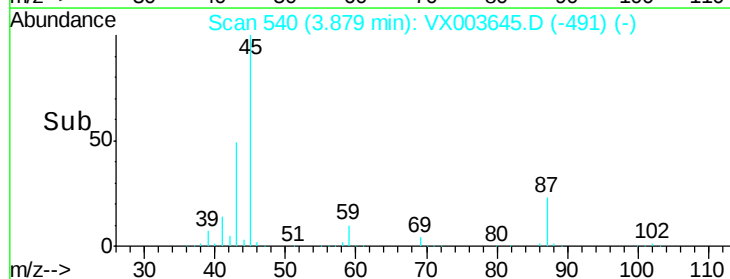
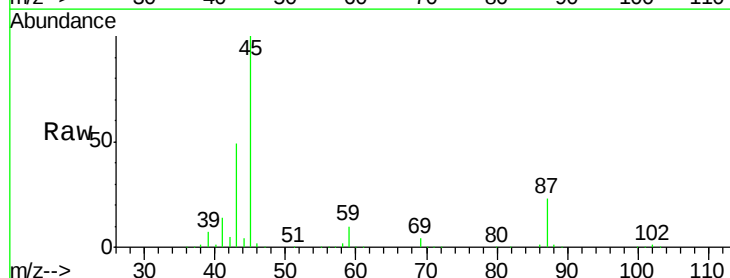
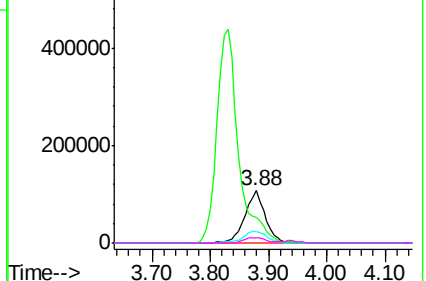
59 9.8 7.8 11.8

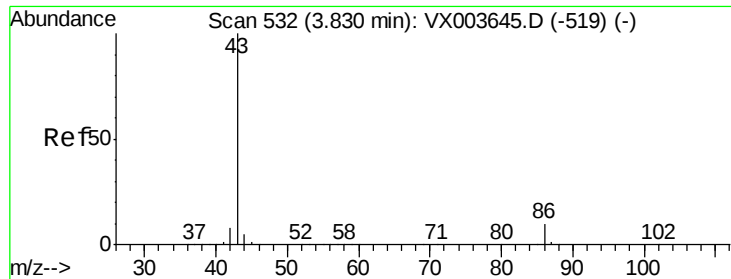
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 314.441 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1117688

Ion Ratio Lower Upper

43 100

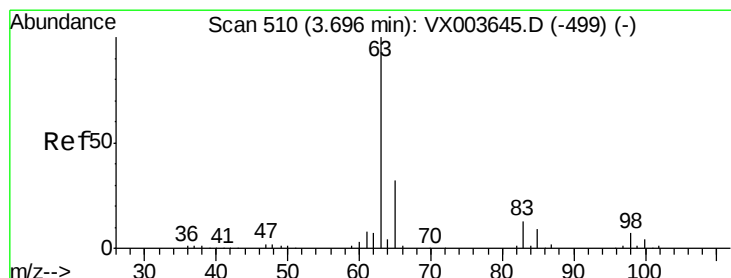
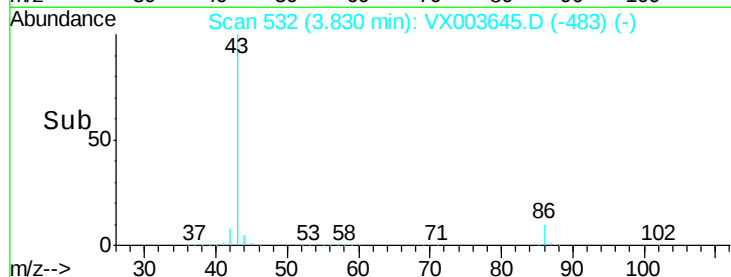
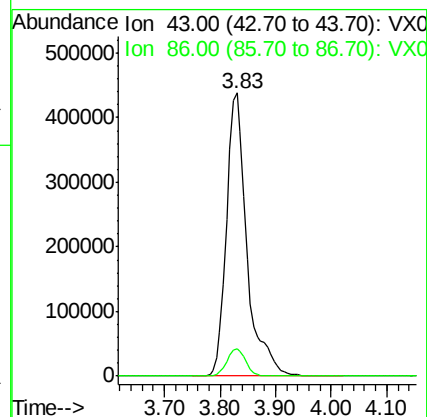
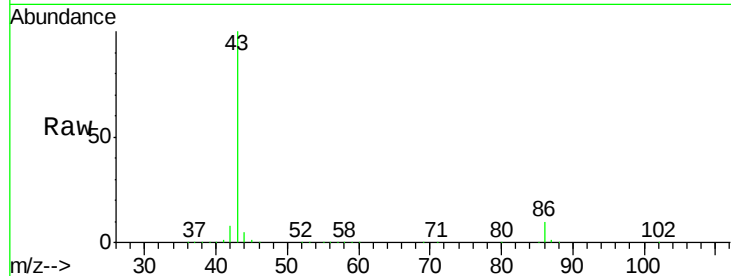
86 9.6 7.7 11.5

Manual Integrations

APPROVED

MMDadoda

8/2/2018 11:54:16 AM



#24

1,1-Dichloroethane

Concen: 56.772 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

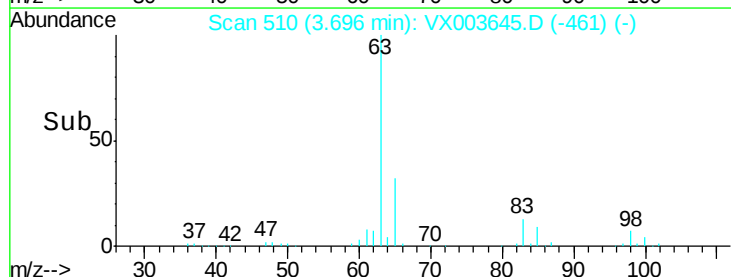
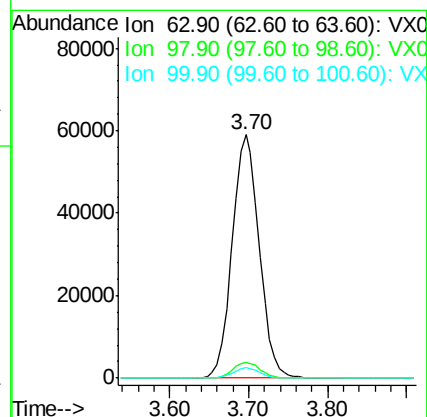
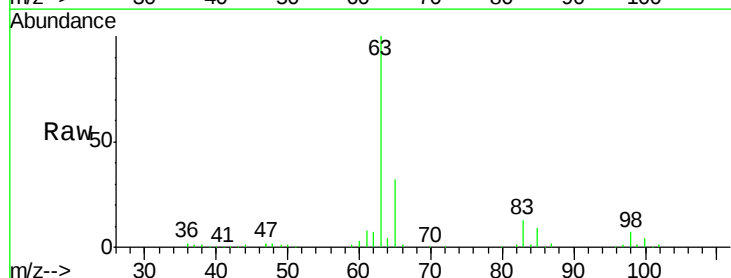
Tgt Ion: 63 Resp: 140216

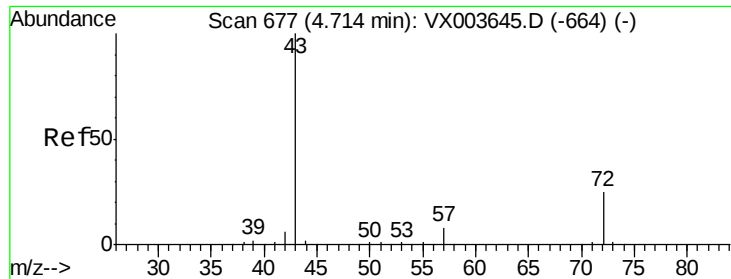
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.2 2.1 6.3





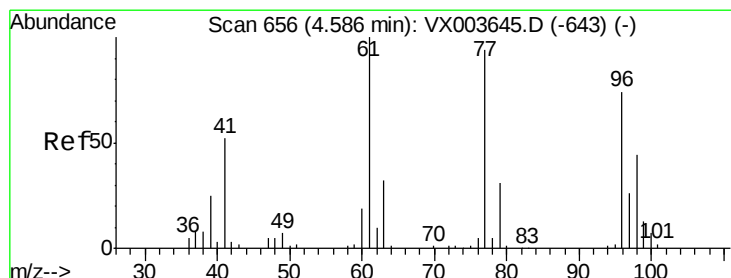
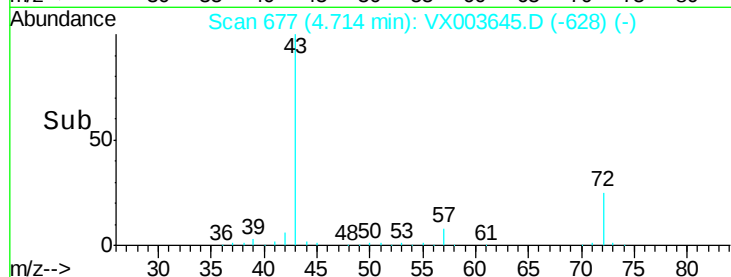
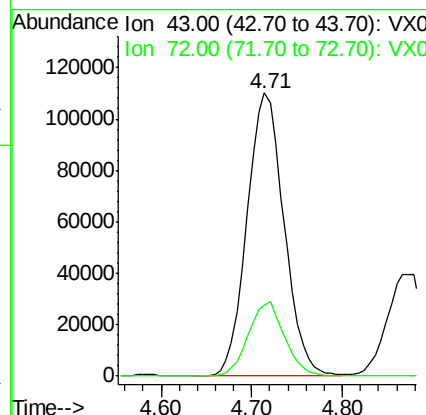
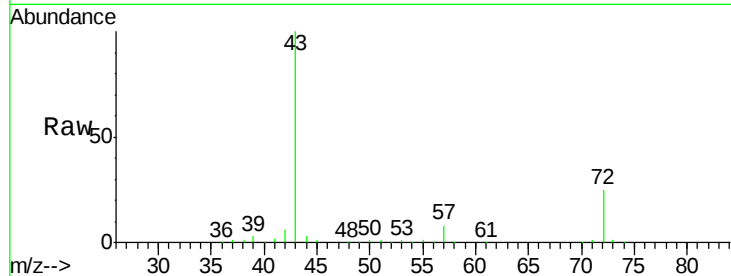
#25  
2-Butanone  
Concen: 324.391 ug/l  
RT: 4.71 min Scan# 677  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion: 43 Resp: 311401  
Ion Ratio Lower Upper  
43 100  
72 25.3 20.2 30.4

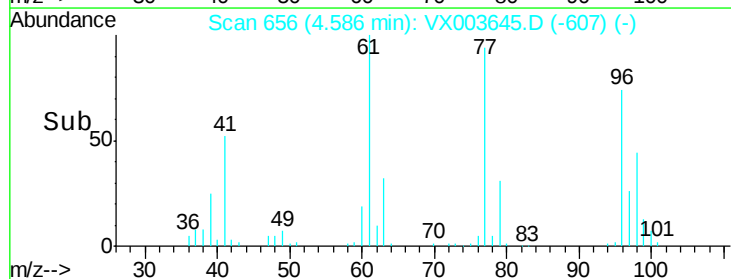
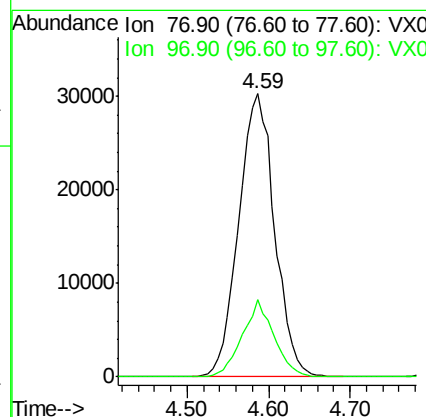
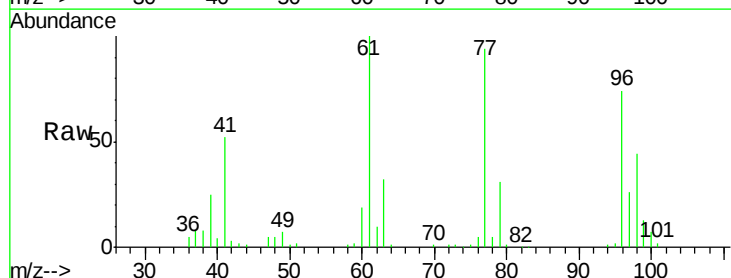
Manual Integrations  
APPROVED

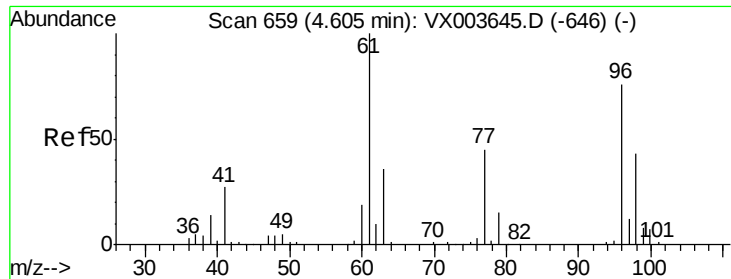
MMDadoda  
8/2/2018 11:54:16 AM



#26  
2,2-Dichloropropane  
Concen: 50.597 ug/l  
RT: 4.59 min Scan# 656  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Tgt Ion: 77 Resp: 92354  
Ion Ratio Lower Upper  
77 100  
97 24.0 12.0 36.0





#27

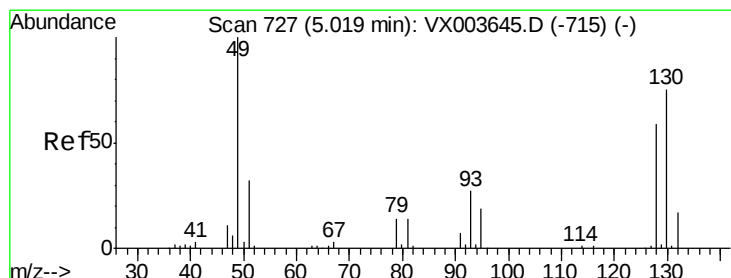
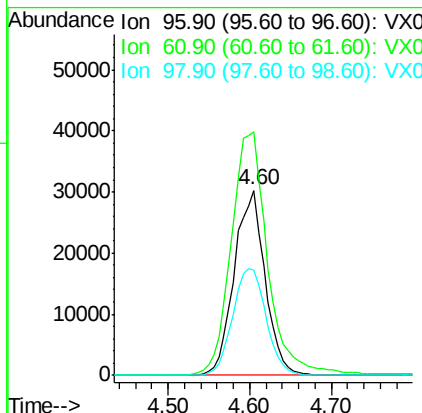
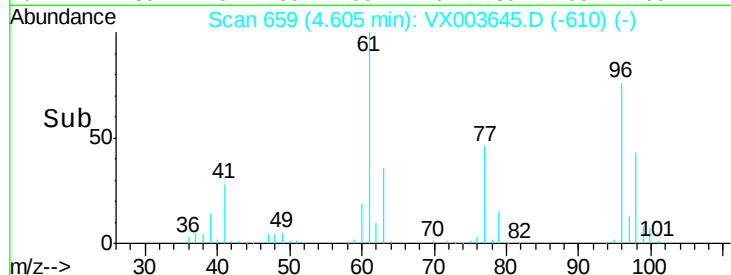
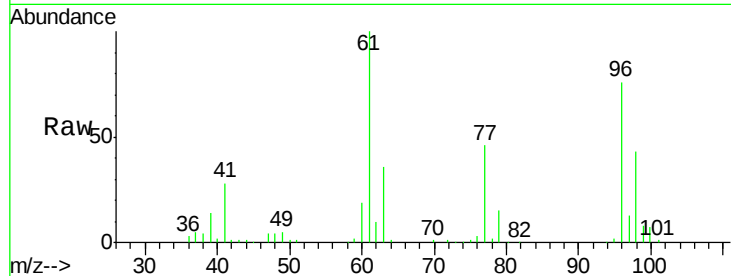
cis-1,2-Dichloroethene  
Concen: 51.485 ug/l  
RT: 4.60 min Scan# 659  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 156.8 | 0.0   | 313.6 |
| 98      | 62.8  | 0.0   | 125.6 |

Manual Integrations  
APPROVED

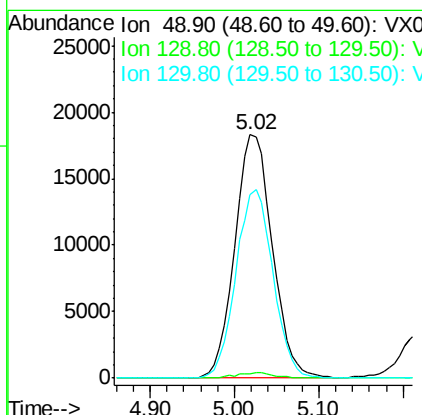
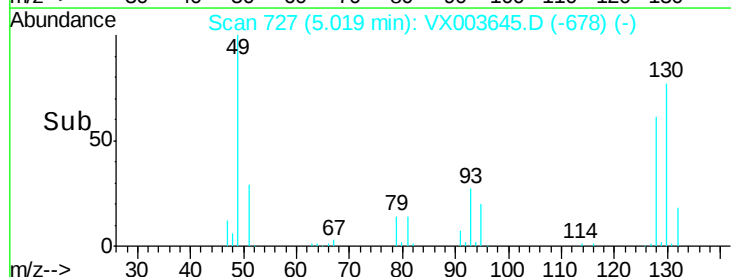
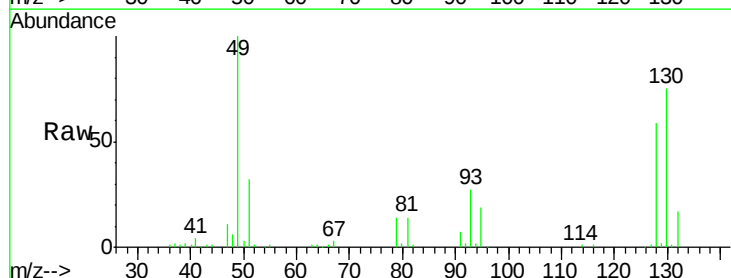
MMDadoda  
8/2/2018 11:54:16 AM

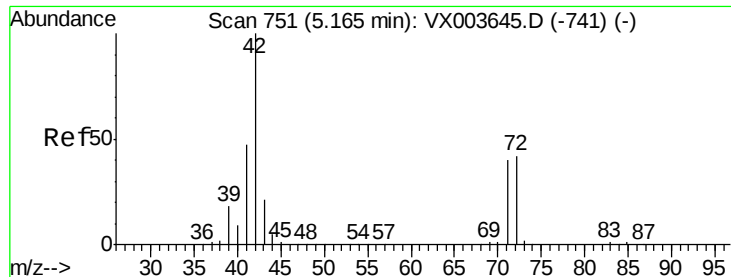


#28

Bromochloromethane  
Concen: 52.302 ug/l  
RT: 5.02 min Scan# 727  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.1   | 0.0   | 4.2   |
| 130     | 76.3  | 61.0  | 91.6  |





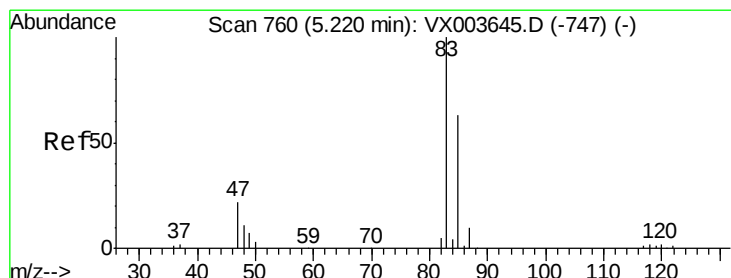
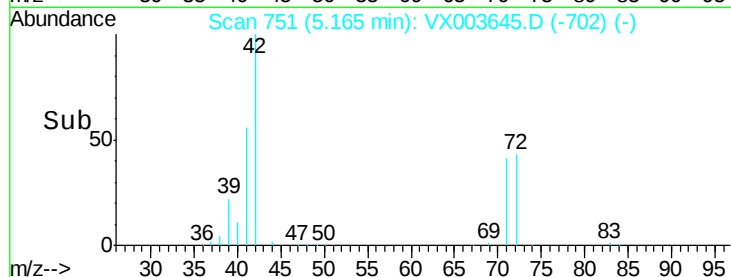
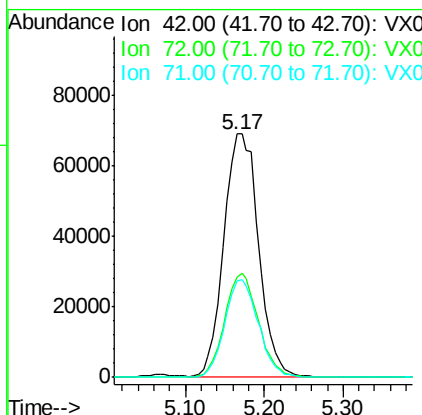
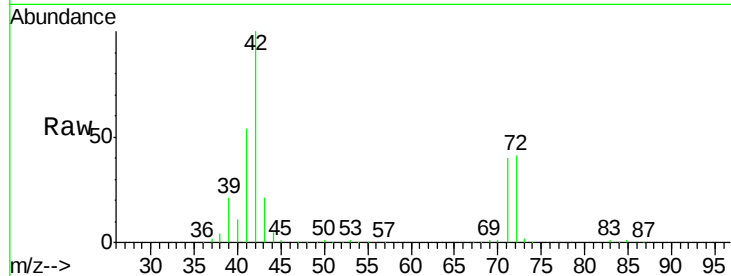
#29  
Tetrahydrofuran  
Concen: 331.563 ug/l  
RT: 5.17 min Scan# 751  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.7  | 33.4  | 50.0  |
| 71      | 38.8  | 31.0  | 46.6  |

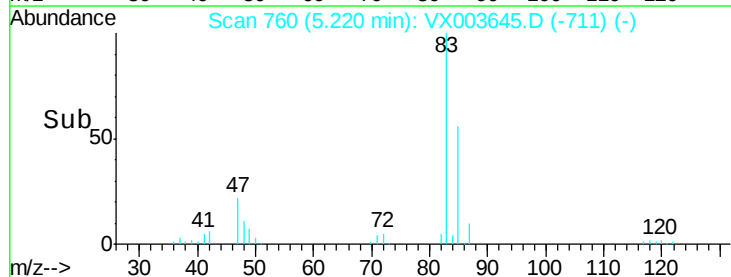
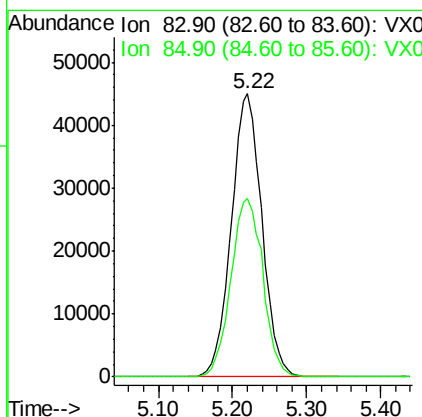
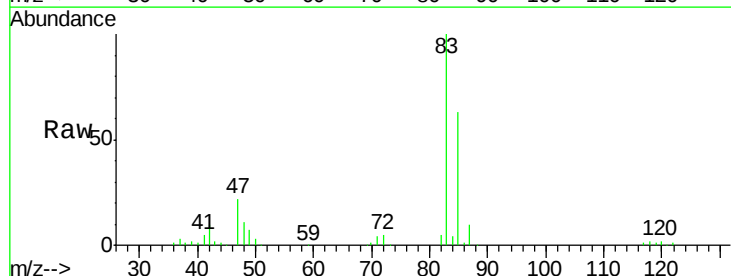
Manual Integrations  
APPROVED

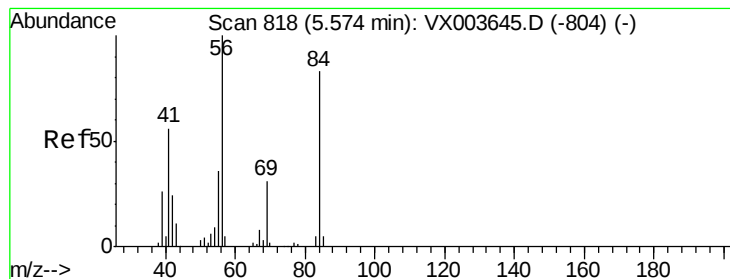
MMDadoda  
8/2/2018 11:54:16 AM



#30  
Chloroform  
Concen: 54.269 ug/l  
RT: 5.22 min Scan# 760  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 62.8  | 50.2  | 75.4  |





#31

Cyclohexane

Concen: 54.270 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Instrument :

MSVOA\_X

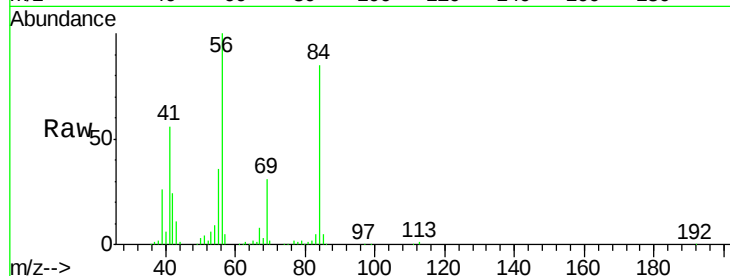
ClientSampleId :

VSTDICCC050

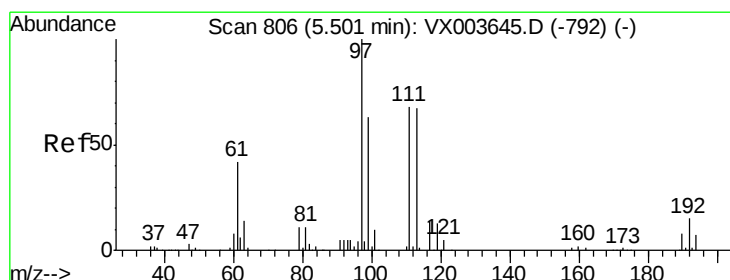
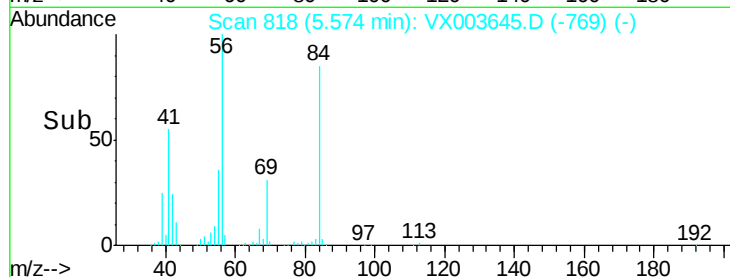
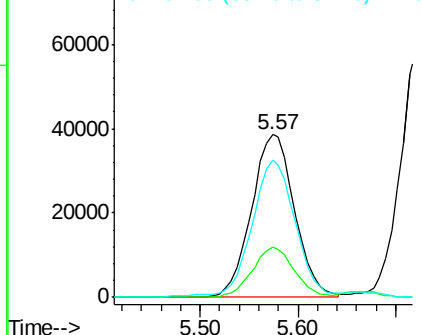
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 118429 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 31.3  | 25.0  | 37.6   |
| 84       | 83.1  | 66.5  | 99.7   |

Manual Integrations  
APPROVED

MMDadoda  
8/2/2018 11:54:16 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 54.322 ug/l

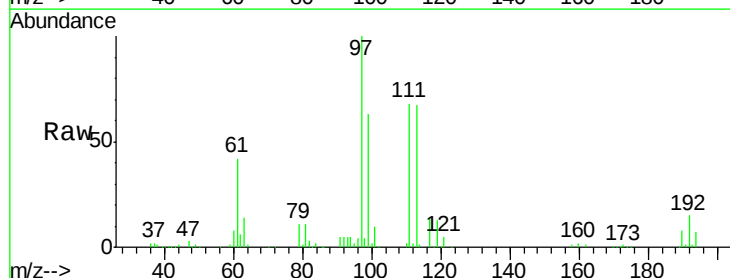
RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

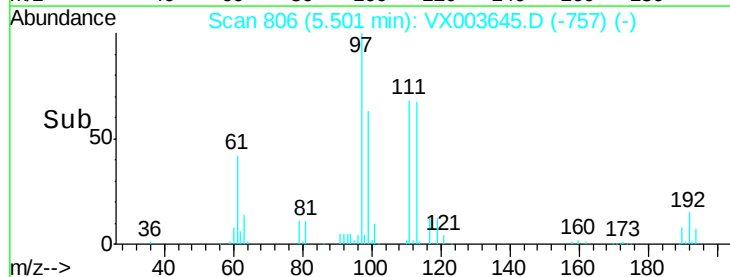
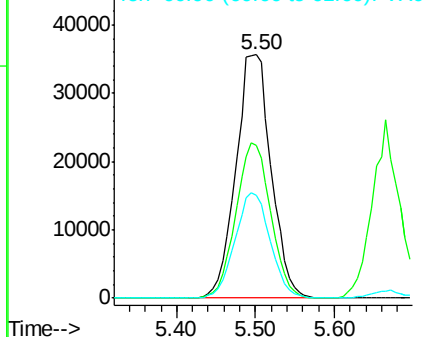
Lab File: VX003645.D

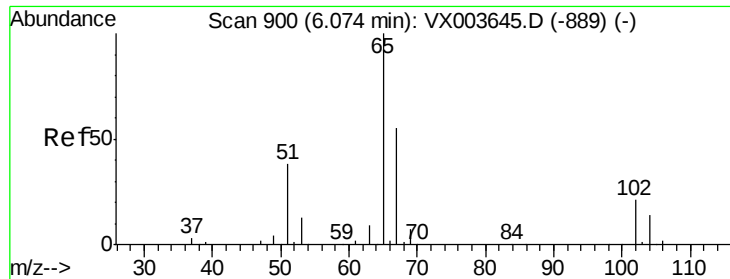
Acq: 24 Jul 2018 17:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 111036 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 63.0  | 50.4  | 75.6   |
| 61       | 43.1  | 34.5  | 51.7   |



Abundance Ion 96.90 (96.60 to 97.60): VX0  
Ion 98.90 (98.60 to 99.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0





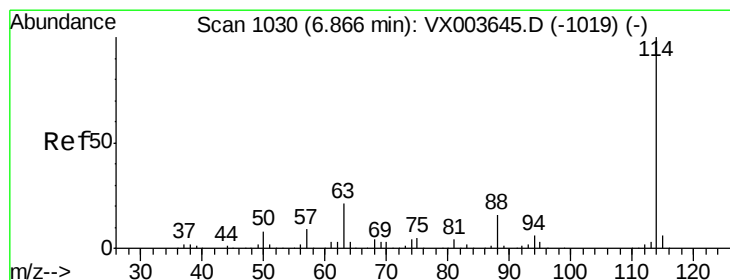
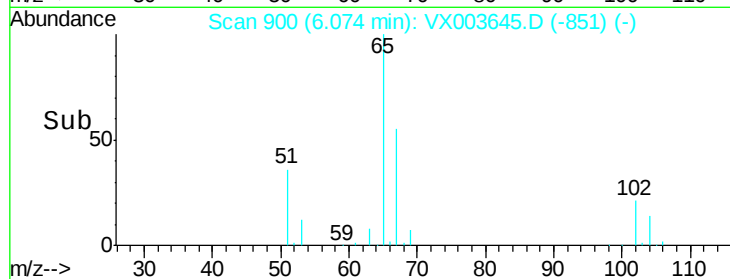
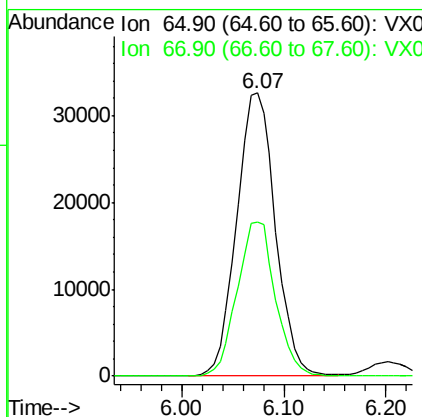
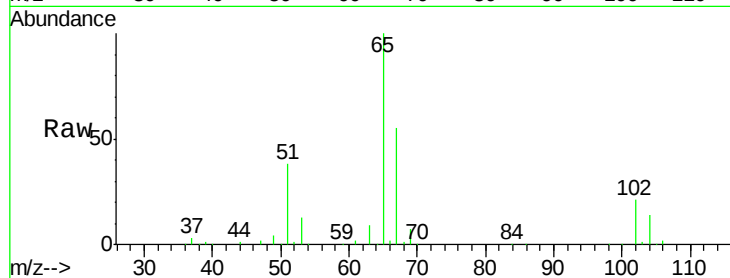
#33  
 1,2-Dichloroethane-d4  
 Concen: 57.832 ug/l  
 RT: 6.07 min Scan# 900  
 Delta R.T. 0.00 min  
 Lab File: VX003645.D  
 Acq: 24 Jul 2018 17:35

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.9  | 0.0   | 107.8 |

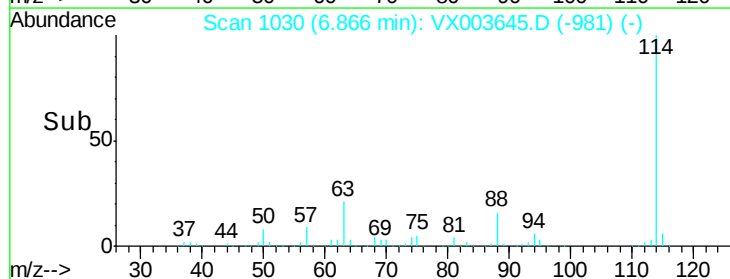
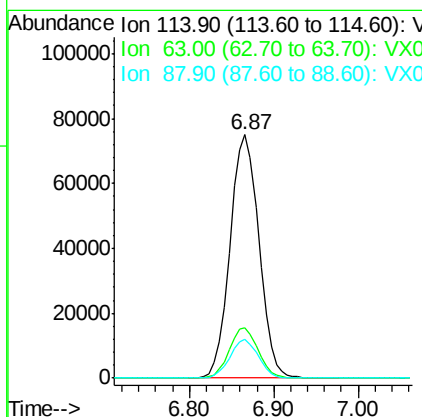
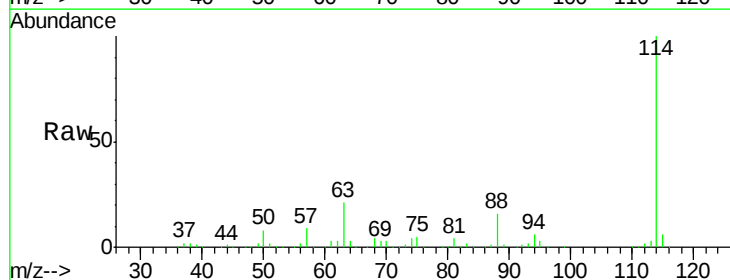
Manual Integrations  
 APPROVED

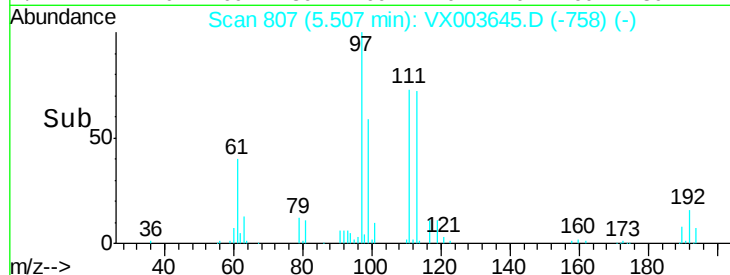
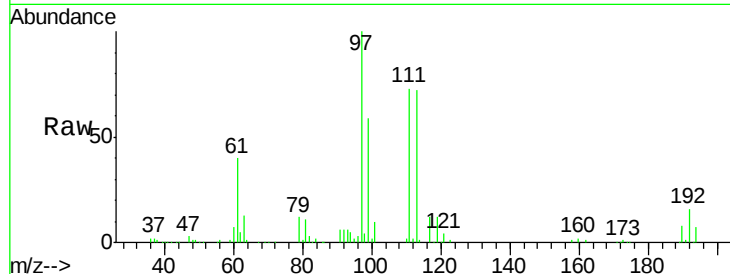
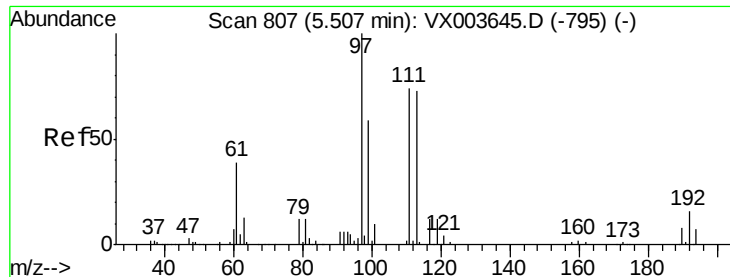
MMDadoda  
 8/2/2018 11:54:16 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. 0.00 min  
 Lab File: VX003645.D  
 Acq: 24 Jul 2018 17:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.5  | 0.0   | 41.0  |
| 88      | 15.9  | 0.0   | 31.8  |





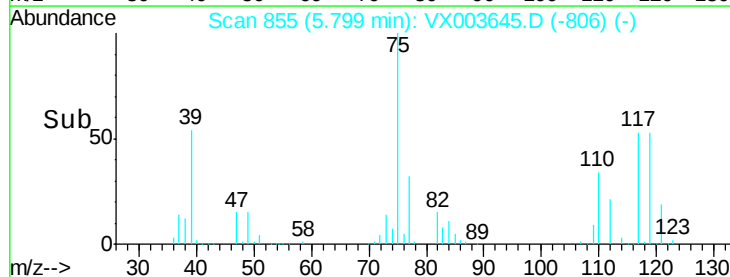
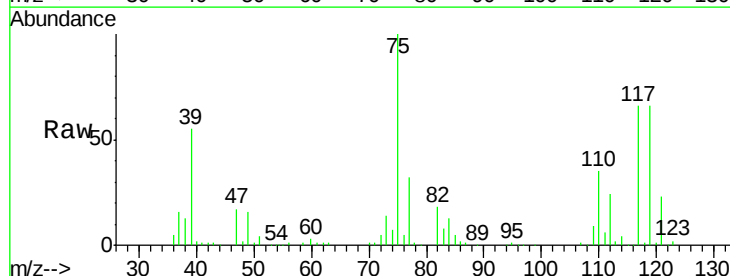
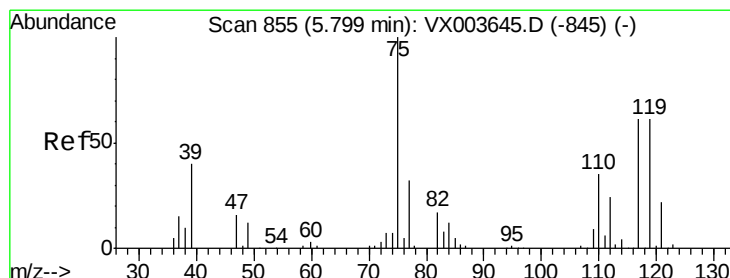
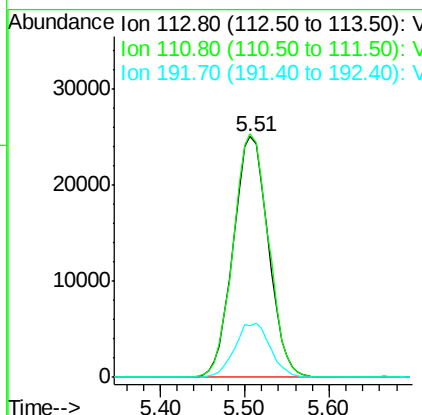
#35  
Dibromofluoromethane  
Concen: 52.073 ug/l  
RT: 5.51 min Scan# 807  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 70660 |       |       |
| 111     | 101.5 | 81.2  | 121.8 |       |
| 192     | 22.8  | 18.2  | 27.4  |       |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

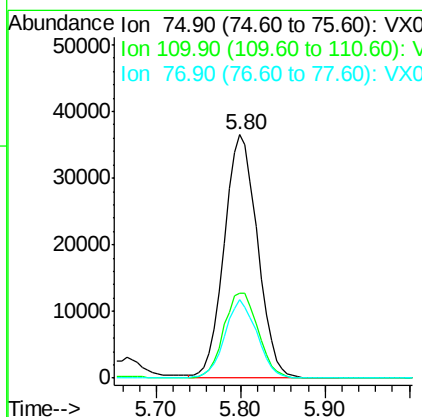
Manual Integrations  
APPROVED

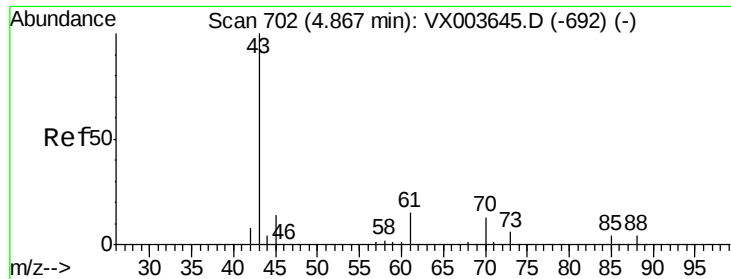
MMDadoda  
8/2/2018 11:54:16 AM



#36  
1,1-Dichloropropene  
Concen: 51.523 ug/l  
RT: 5.80 min Scan# 855  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 98430 |       |       |
| 110     | 36.1  | 18.1  | 54.1  |       |
| 77      | 31.4  | 25.1  | 37.7  |       |





#37

Ethyl Acetate

Concen: 62.397 ug/l

RT: 4.87 min Scan# 702

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Instrument :

MSVOA\_X

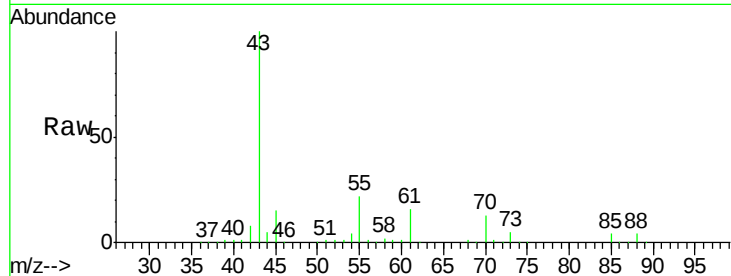
ClientSampled :

VSTDICCC050

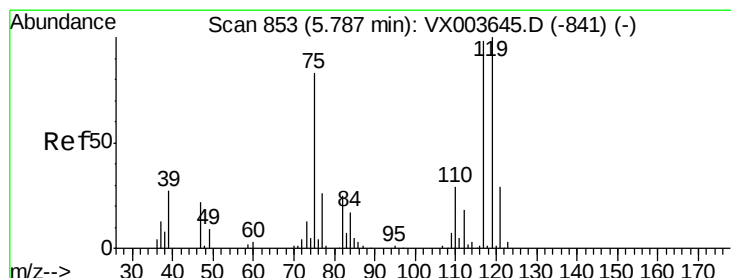
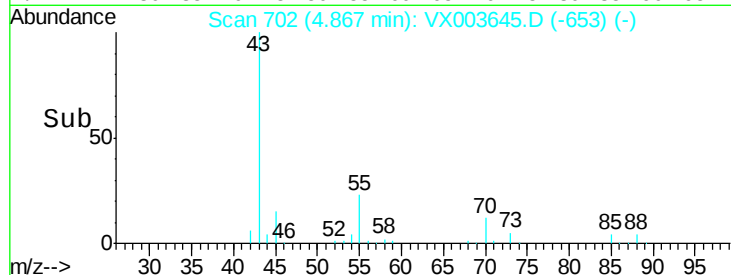
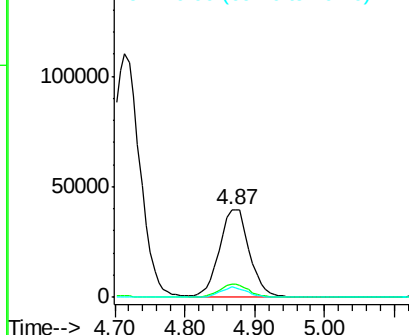
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 117884 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 14.9  | 11.9  | 17.9   |
| 70       | 10.7  | 8.6   | 12.8   |

Manual Integrations  
APPROVED

MMDadoda  
8/2/2018 11:54:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 51.435 ug/l

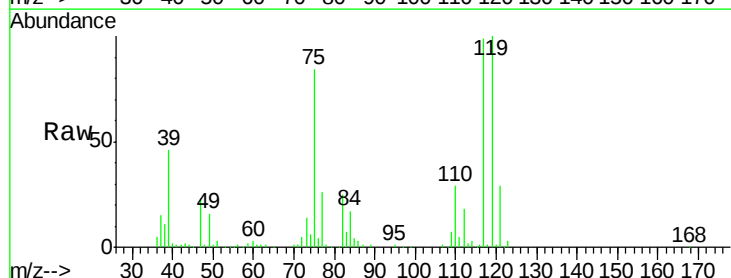
RT: 5.79 min Scan# 853

Delta R.T. 0.00 min

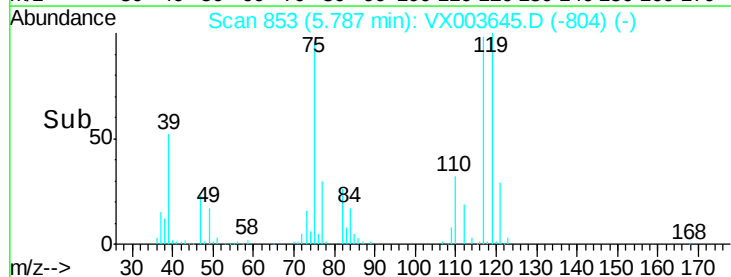
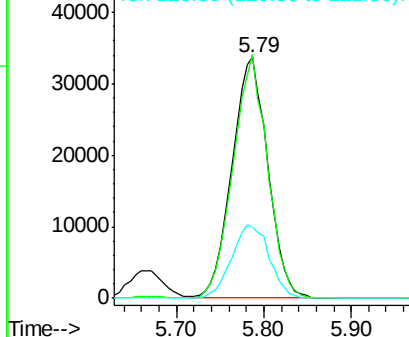
Lab File: VX003645.D

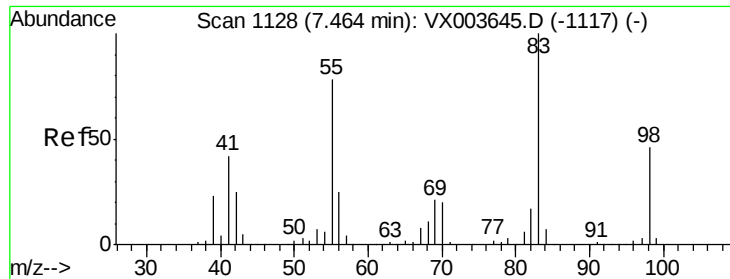
Acq: 24 Jul 2018 17:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 95843 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 101.2 | 81.0  | 121.4 |
| 121      | 29.6  | 23.7  | 35.5  |



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V





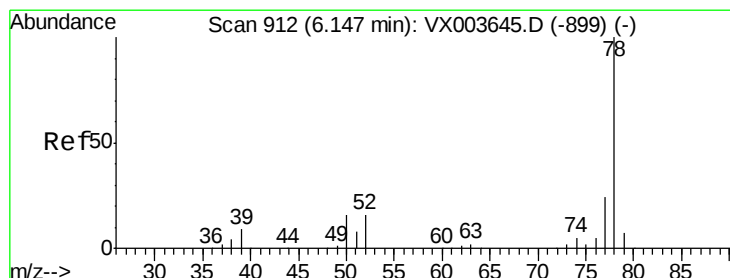
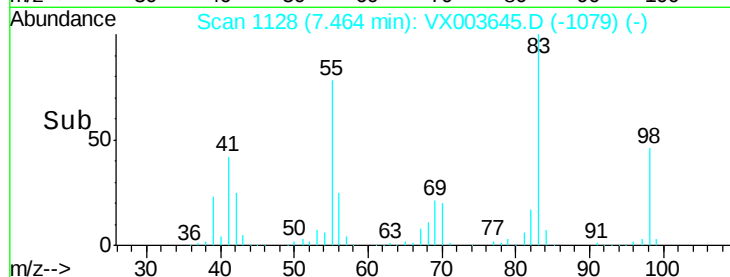
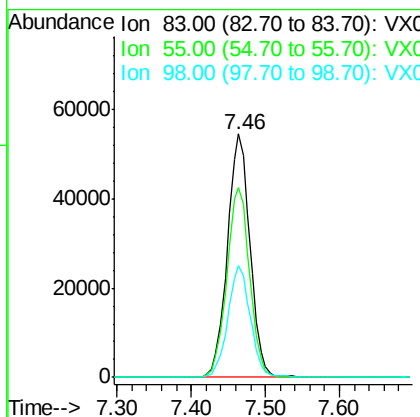
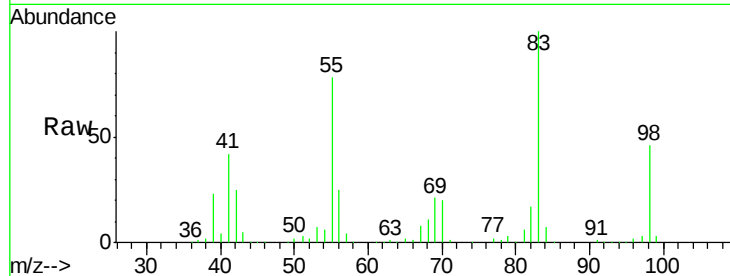
#39  
Methylvlcyclohexane  
Concen: 51.037 ug/l  
RT: 7.46 min Scan# 1128  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 55      | 78.2  | 62.6 | 93.8  |       |
| 98      | 45.8  | 36.6 | 55.0  |       |

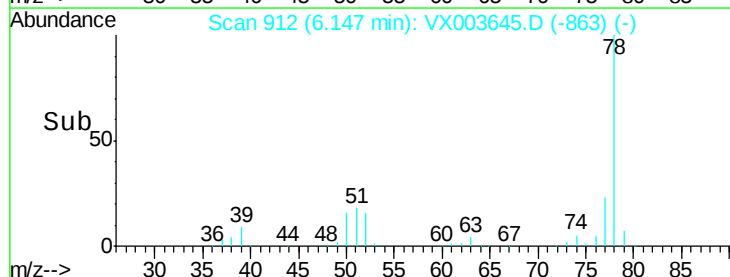
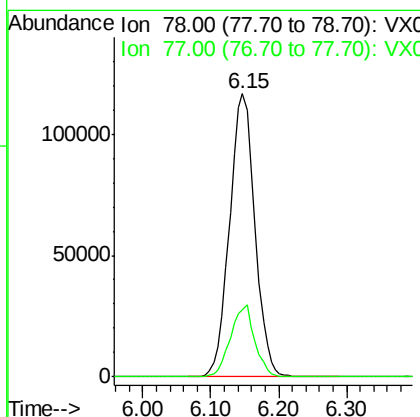
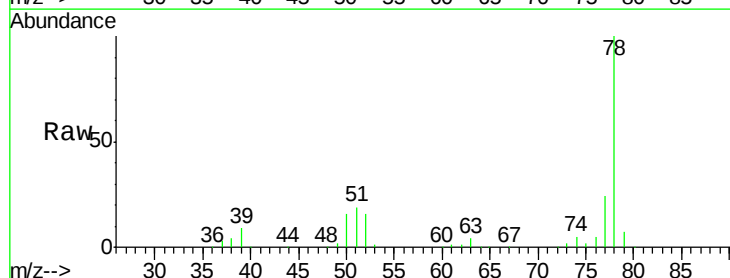
Manual Integrations  
APPROVED

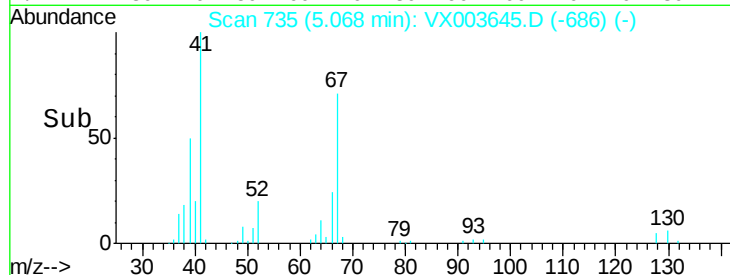
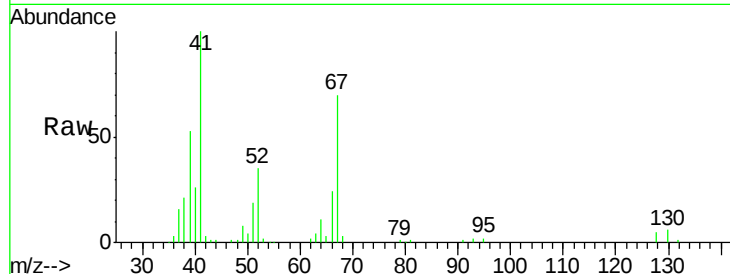
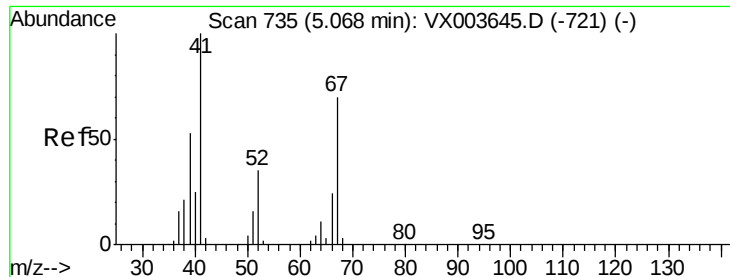
MMDadoda  
8/2/2018 11:54:16 AM



#40  
Benzene  
Concen: 51.907 ug/l  
RT: 6.15 min Scan# 912  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

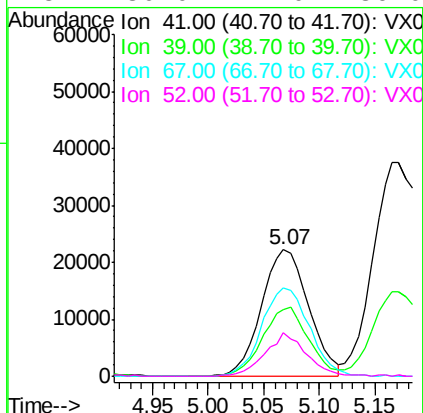
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 78      | 100   |      |       |       |
| 77      | 23.8  | 19.0 | 28.6  |       |





#41  
Methacrylonitrile  
Concen: 59.543 ug/l  
RT: 5.07 min Scan# 735  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

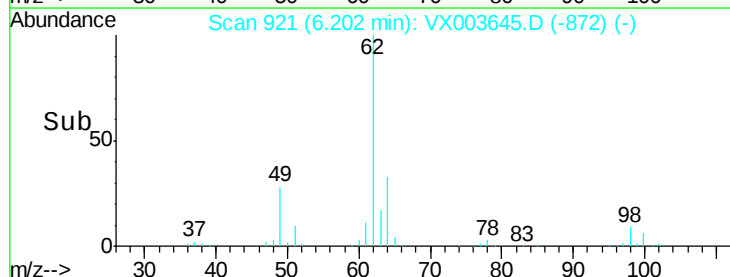
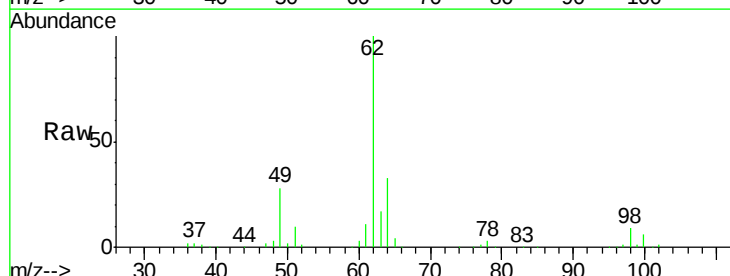
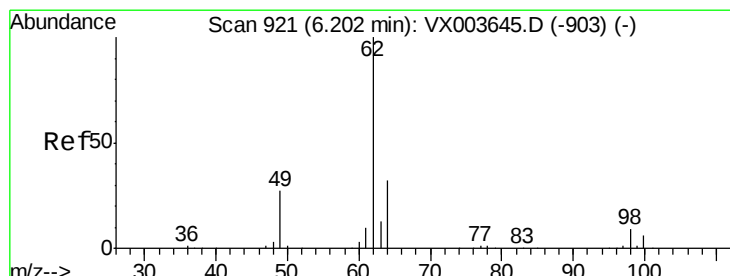
| Tot Ion   | 41   | Resp  | 65837 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 39        | 52.8 | 42.2  | 63.4  |
| 67        | 70.7 | 56.6  | 84.8  |
| 52        | 30.0 | 24.0  | 36.0  |



Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

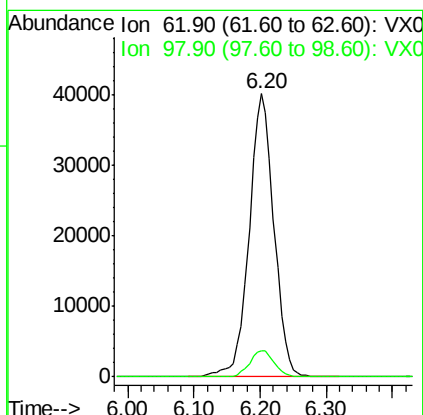
Manual Integrations  
APPROVED

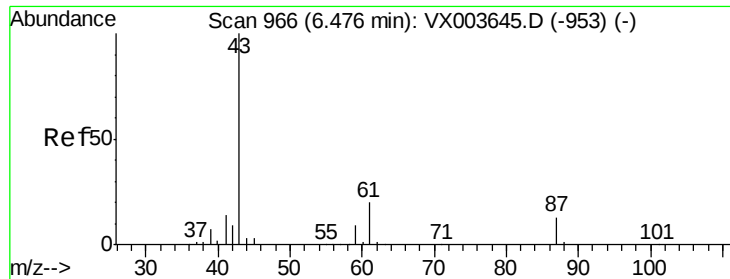
MMDadoda  
8/2/2018 11:54:16 AM



#42  
1,2-Dichloroethane  
Concen: 56.250 ug/l  
RT: 6.20 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

| Tgt Ion   | 62  | Resp  | 104593 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 62        | 100 |       |        |
| 98        | 9.2 | 0.0   | 18.4   |





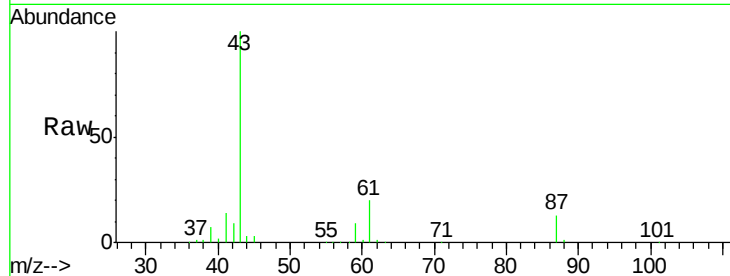
#43  
Isopropyl Acetate  
Concen: 61.060 ug/l  
RT: 6.48 min Scan# 966  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

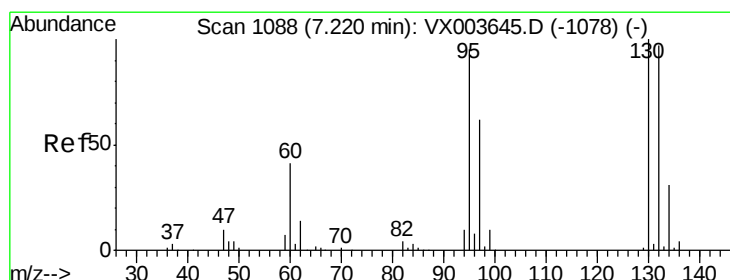
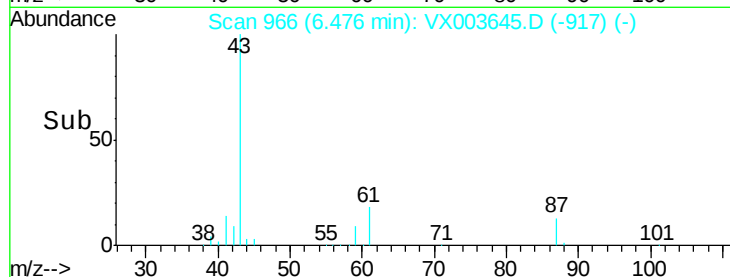
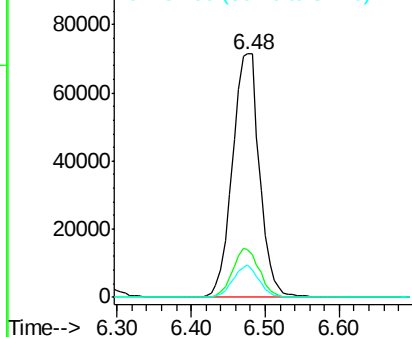
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 19.9  | 15.9  | 23.9  |
| 87      | 12.6  | 10.1  | 15.1  |

Manual Integrations  
APPROVED

MMDadoda  
8/2/2018 11:54:16 AM

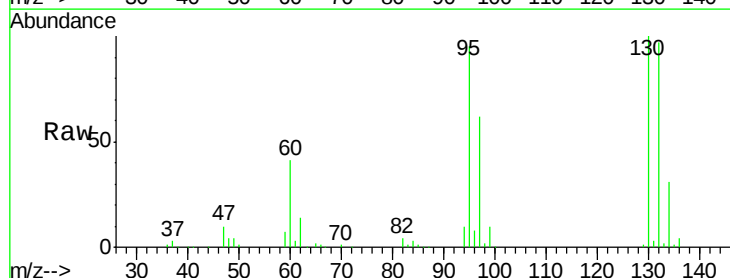


Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 61.00 (60.70 to 61.70): VX0  
Ion 87.00 (86.70 to 87.70): VX0

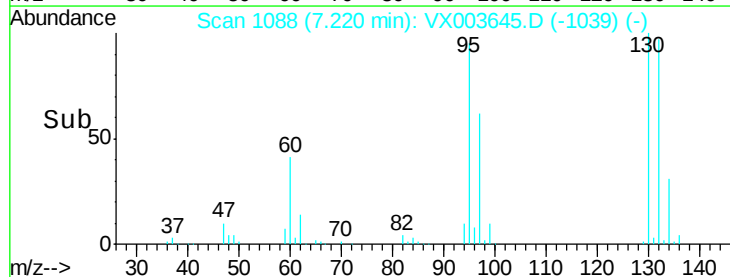
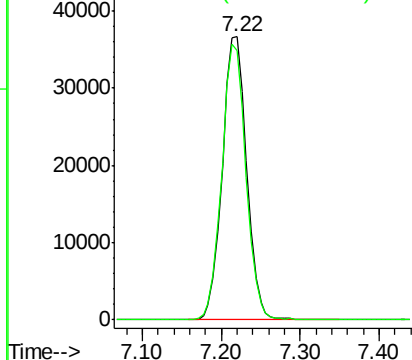


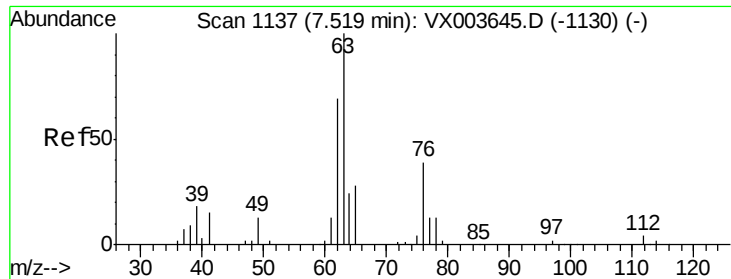
#44  
Trichloroethene  
Concen: 46.581 ug/l  
RT: 7.22 min Scan# 1088  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 95.0  | 0.0   | 190.0 |



Abundance Ion 129.80 (129.50 to 130.50): V  
Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 53.295 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 78631

Ion Ratio Lower Upper

63 100

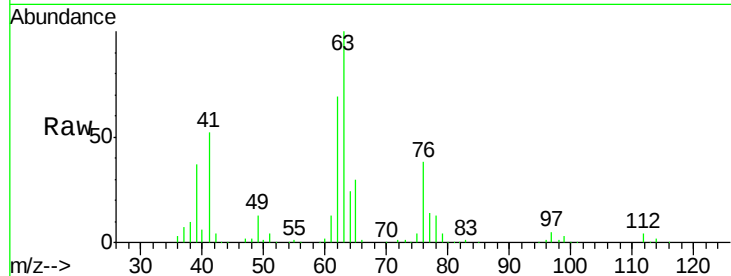
65 30.0 24.0 36.0

Manual Integrations

APPROVED

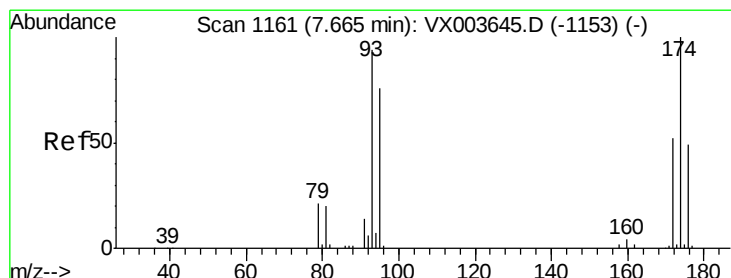
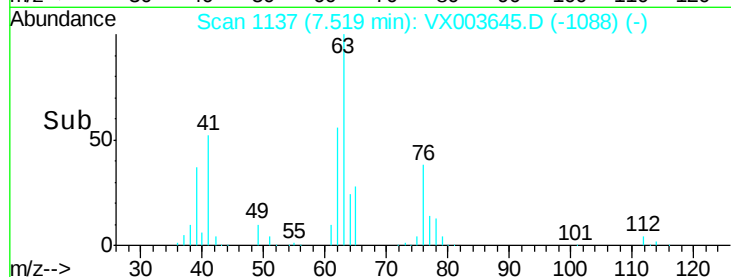
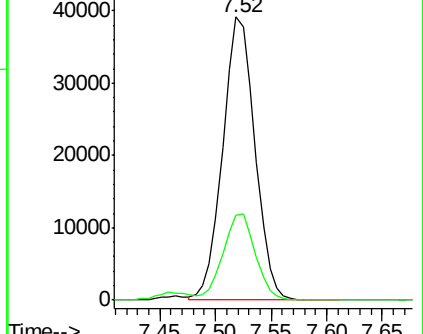
MMDadoda

8/2/2018 11:54:16 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 52.574 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

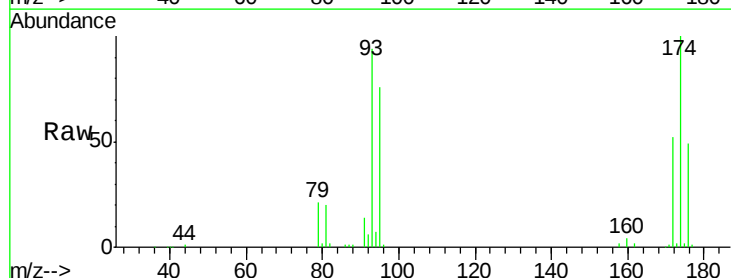
Tgt Ion: 93 Resp: 49761

Ion Ratio Lower Upper

93 100

95 83.8 67.0 100.6

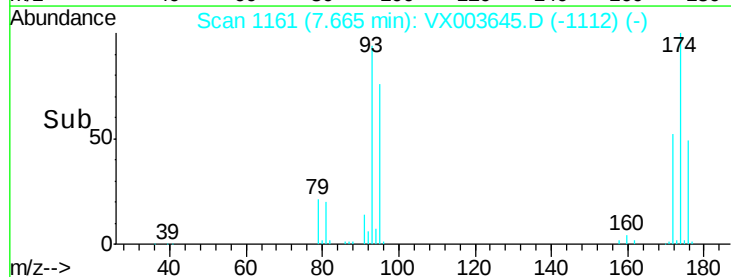
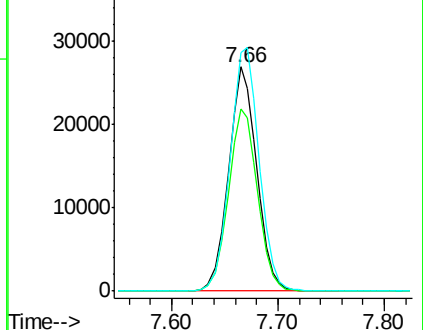
174 112.0 89.6 134.4

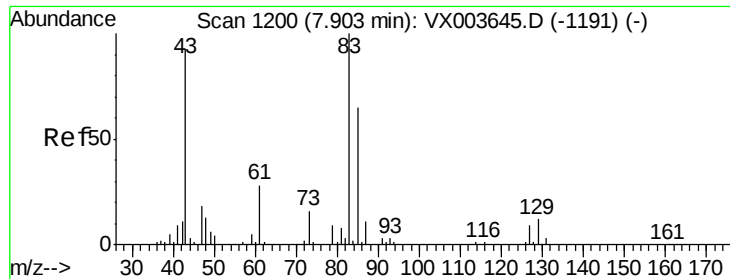


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





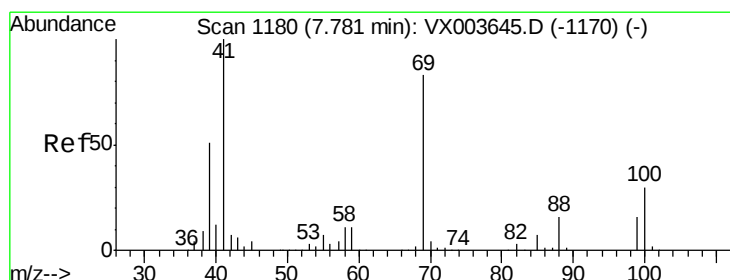
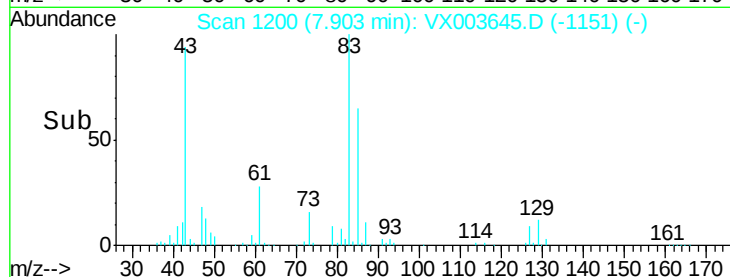
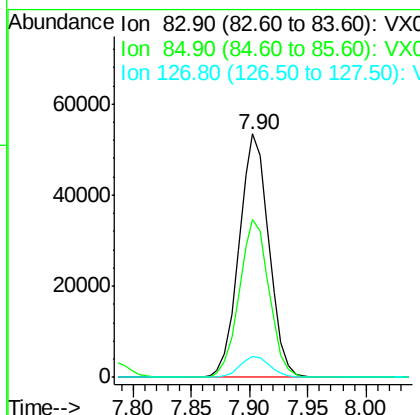
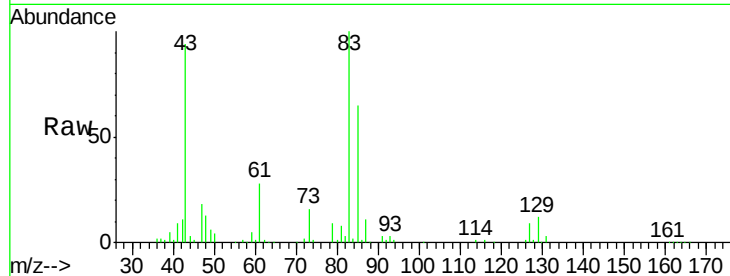
#47  
Bromodichloromethane  
Concen: 54.706 ug/l  
RT: 7.90 min Scan# 1200  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 85      | 64.7  | 51.8 | 77.6  |       |
| 127     | 8.8   | 7.0  | 10.6  |       |

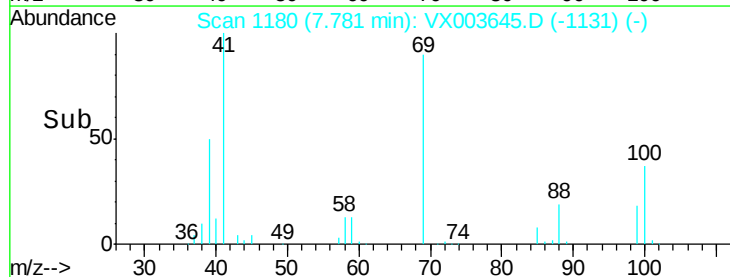
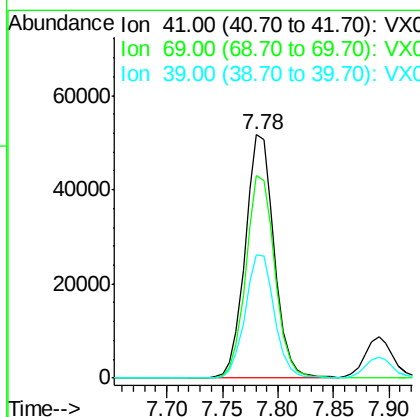
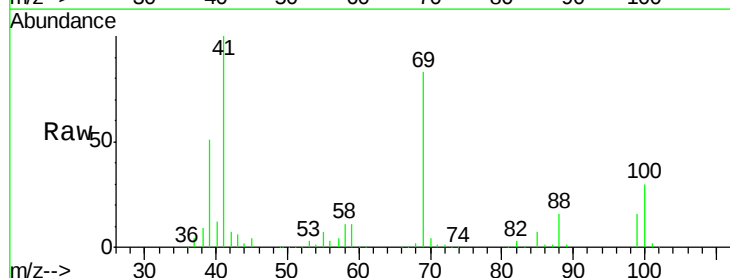
Manual Integrations  
APPROVED

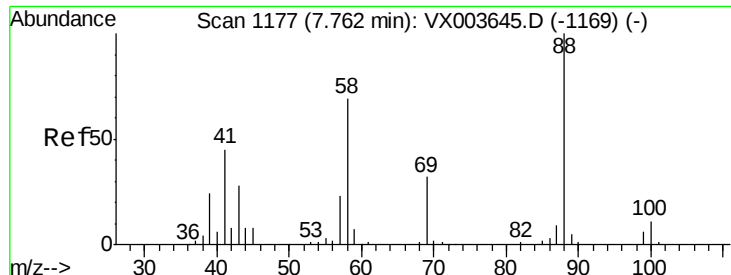
MMDadoda  
8/2/2018 11:54:16 AM



#48  
Methyl methacrylate  
Concen: 62.017 ug/l  
RT: 7.78 min Scan# 1180  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 41      | 100   |      |       |       |
| 69      | 83.6  | 66.9 | 100.3 |       |
| 39      | 51.5  | 41.2 | 61.8  |       |





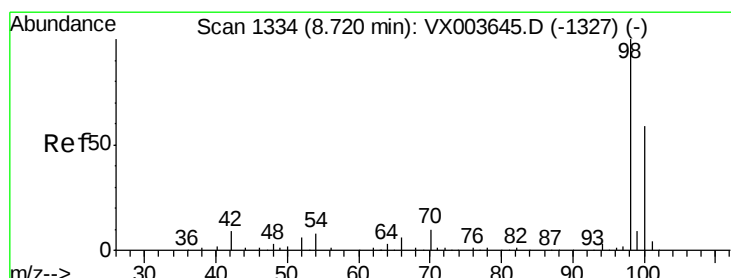
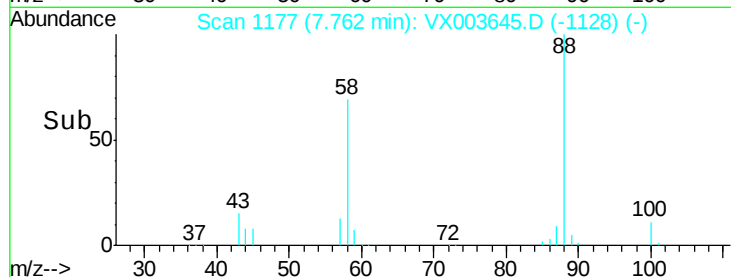
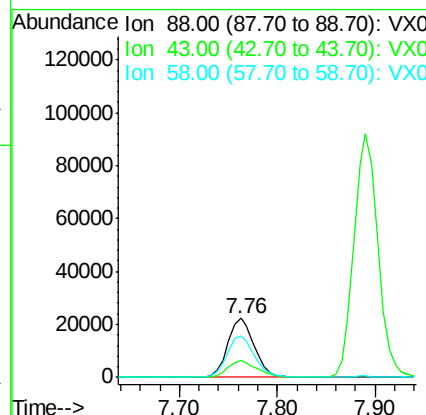
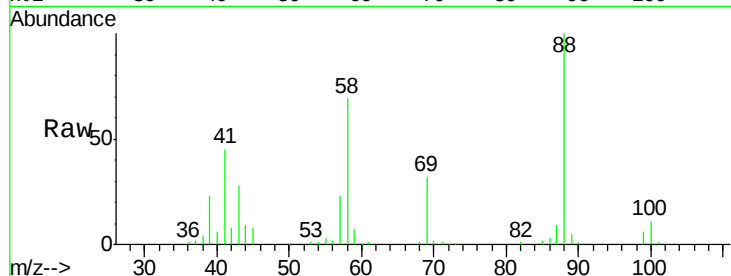
#49  
1,4-Dioxane  
Concen: 1242.408 ug/l  
RT: 7.76 min Scan# 1177  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.2  | 25.8  | 38.6  |
| 58      | 72.9  | 58.3  | 87.5  |

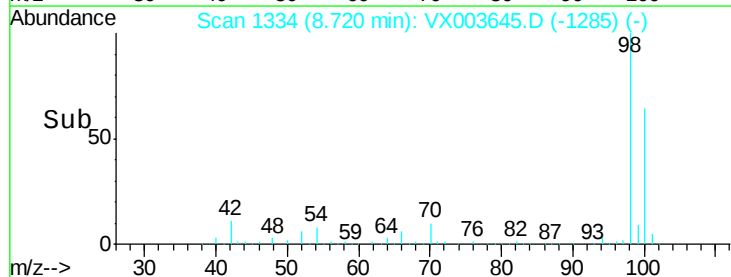
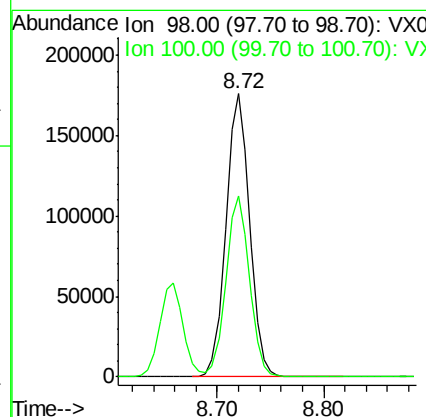
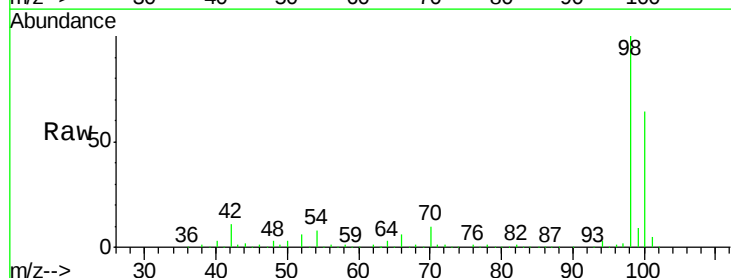
Manual Integrations  
APPROVED

MMDadoda  
8/2/2018 11:54:16 AM



#50  
Toluene-d8  
Concen: 53.249 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.6  | 50.9  | 76.3  |





#51

4-Methyl-2-Pentanone

Concen: 321.216 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 611410

Ion Ratio Lower Upper

43 100

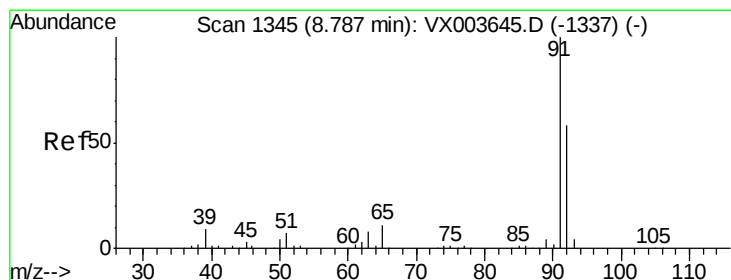
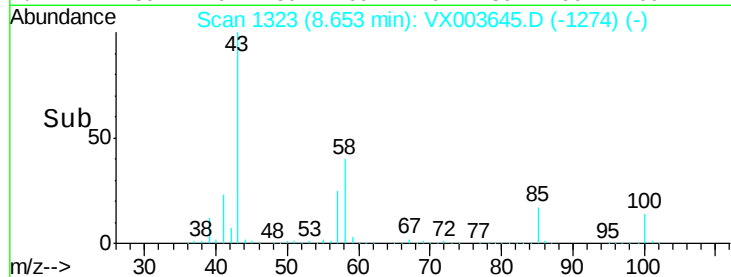
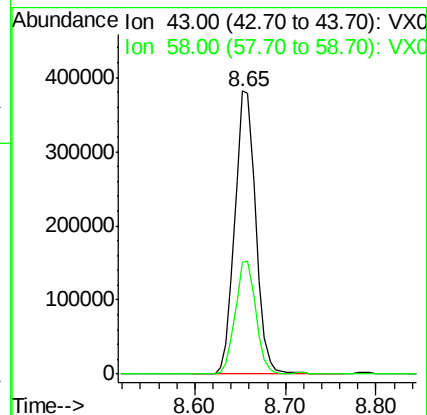
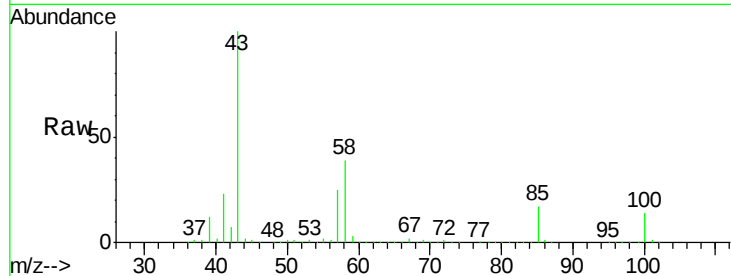
58 39.4 31.5 47.3

Manual Integrations

APPROVED

MMDadoda

8/2/2018 11:54:16 AM



#52

Toluene

Concen: 51.628 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003645.D

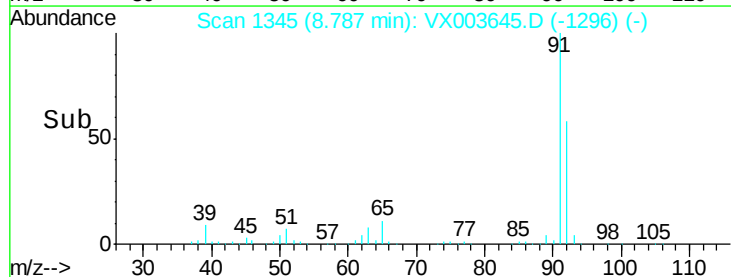
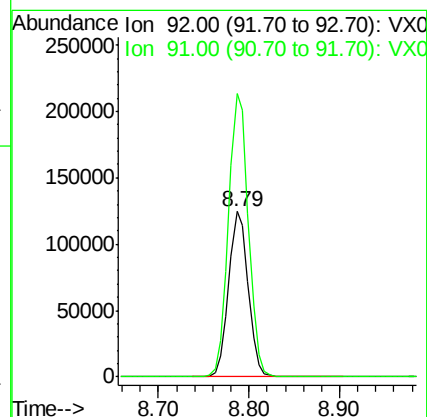
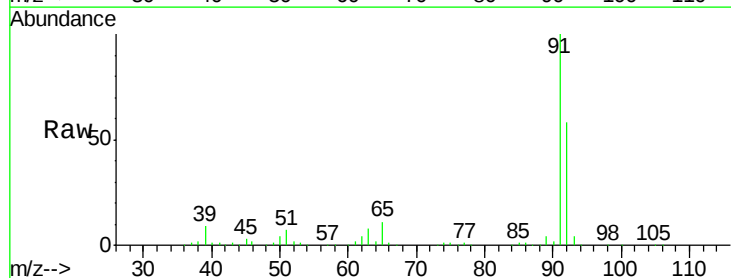
Acq: 24 Jul 2018 17:35

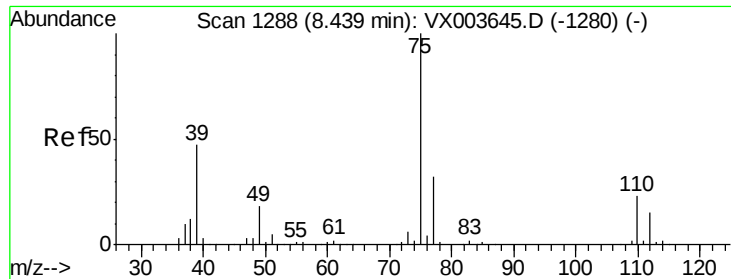
Tgt Ion: 92 Resp: 187271

Ion Ratio Lower Upper

92 100

91 173.8 139.0 208.6





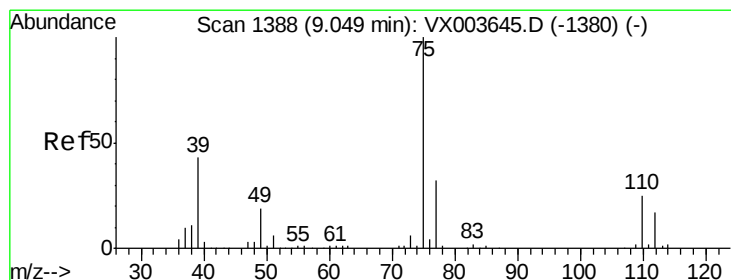
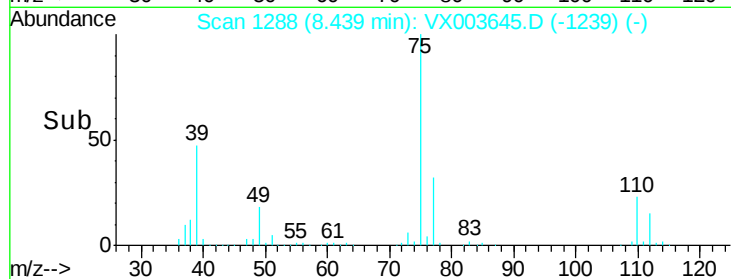
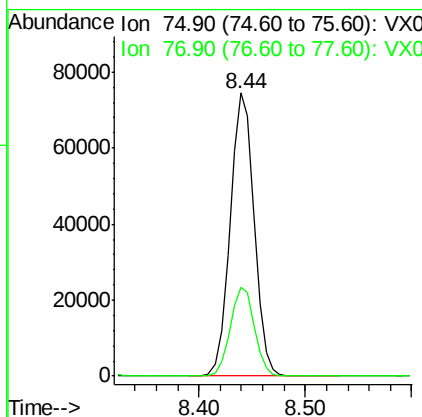
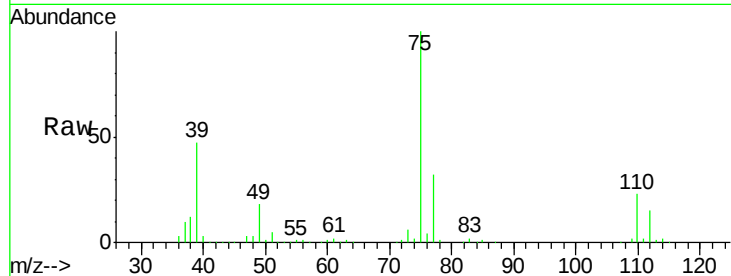
#53  
 t-1,3-Dichloropropene  
 Concen: 55.062 ug/l  
 RT: 8.44 min Scan# 1288  
 Delta R.T. 0.00 min  
 Lab File: VX003645.D  
 Acq: 24 Jul 2018 17:35

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Tot Ion: 75 Resp: 117533  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 25.2 37.8

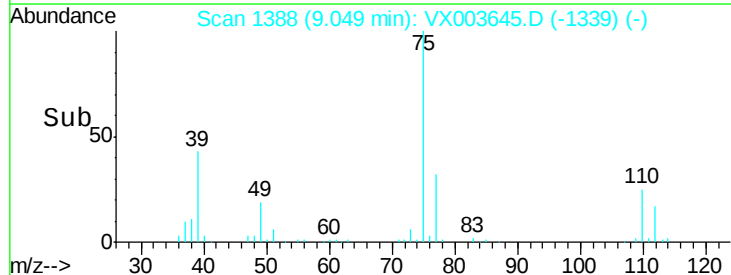
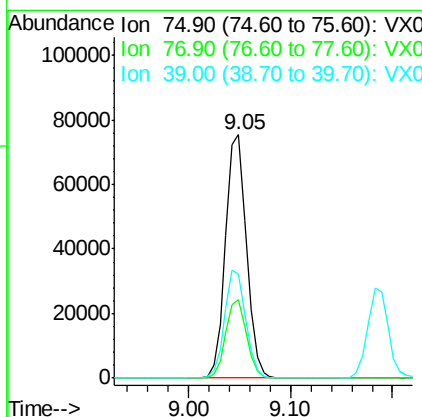
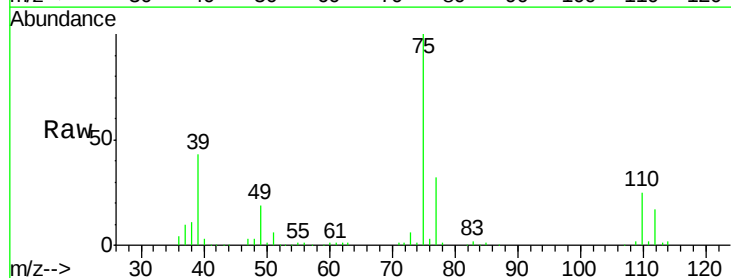
Manual Integrations  
 APPROVED

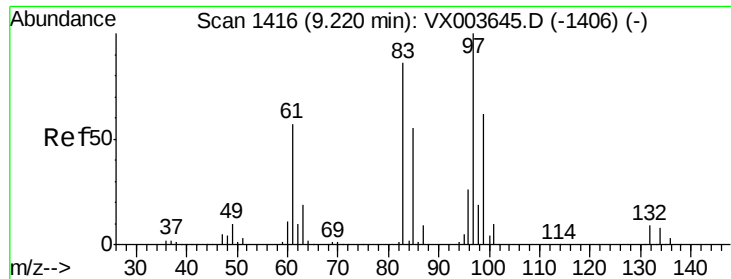
MMDadoda  
 8/2/2018 11:54:16 AM



#54  
 cis-1,3-Dichloropropene  
 Concen: 55.854 ug/l  
 RT: 9.05 min Scan# 1388  
 Delta R.T. 0.00 min  
 Lab File: VX003645.D  
 Acq: 24 Jul 2018 17:35

Tgt Ion: 75 Resp: 107507  
 Ion Ratio Lower Upper  
 75 100  
 77 32.2 25.8 38.6  
 39 42.8 34.2 51.4





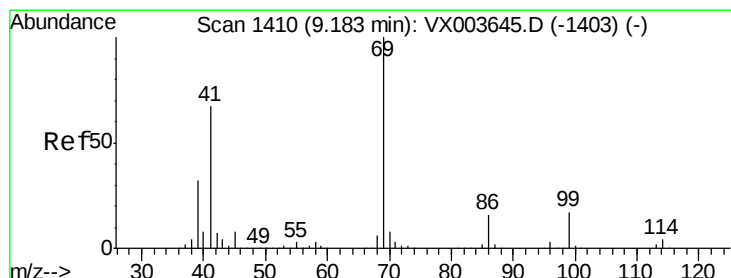
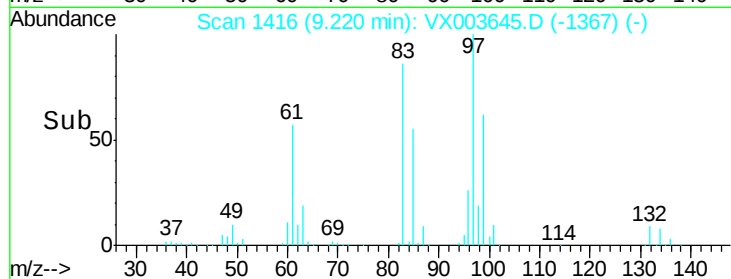
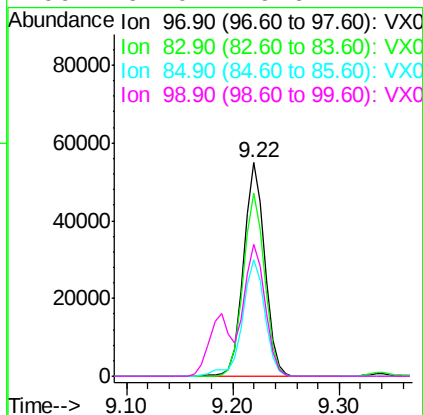
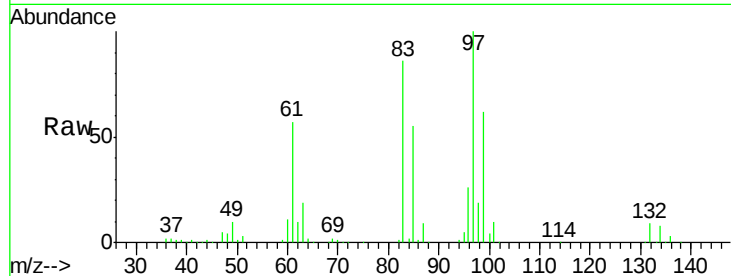
#55  
 1,1,2-Trichloroethane  
 Concen: 53.220 ug/l  
 RT: 9.22 min Scan# 1416  
 Delta R.T. 0.00 min  
 Lab File: VX003645.D  
 Acq: 24 Jul 2018 17:35

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 77246 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 85.9  | 68.7  | 103.1 |
| 85       | 54.6  | 43.7  | 65.5  |
| 99       | 62.0  | 49.6  | 74.4  |

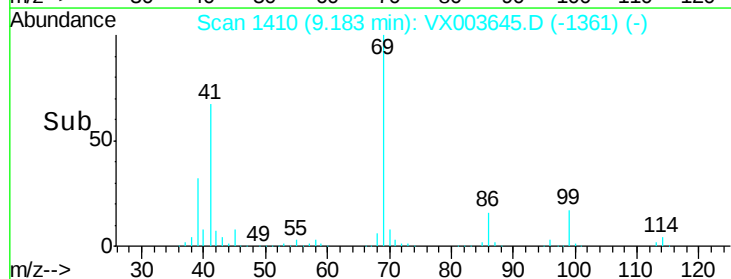
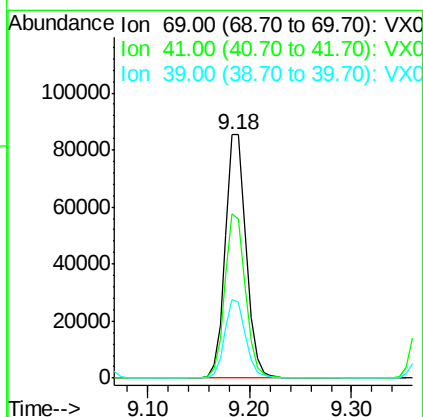
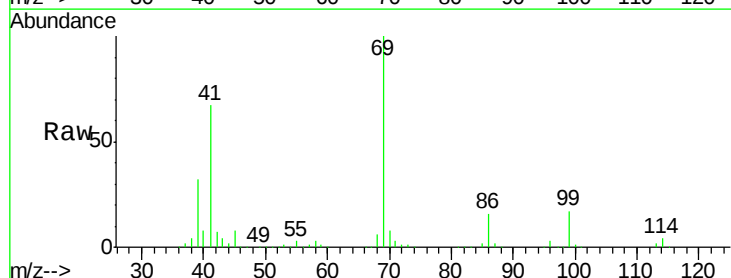
Manual Integrations  
 APPROVED

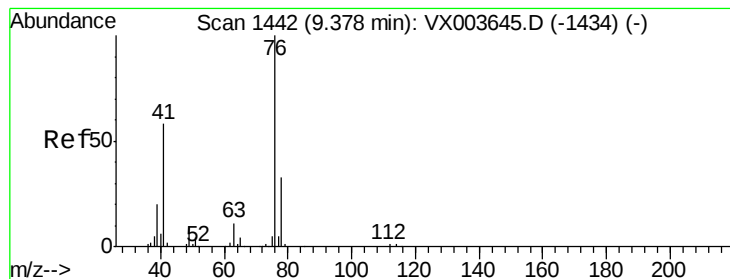
MMDadoda  
 8/2/2018 11:54:16 AM



#56  
 Ethyl methacrylate  
 Concen: 58.430 ug/l  
 RT: 9.18 min Scan# 1410  
 Delta R.T. 0.00 min  
 Lab File: VX003645.D  
 Acq: 24 Jul 2018 17:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 120786 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 67.2  | 53.8  | 80.6   |
| 39       | 32.3  | 25.8  | 38.8   |





#57

1,3-Dichloropropane

Concen: 54.423 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Instrument :

MSVOA\_X

ClientSampled :

VSTDICCC050

Tot Ion: 76 Resp: 128378

Ion Ratio Lower Upper

76 100

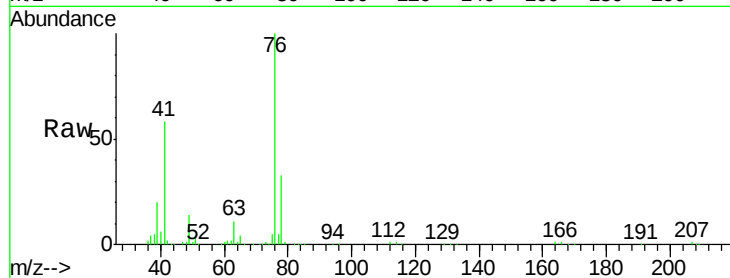
78 32.0 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

8/2/2018 11:54:16 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

80000

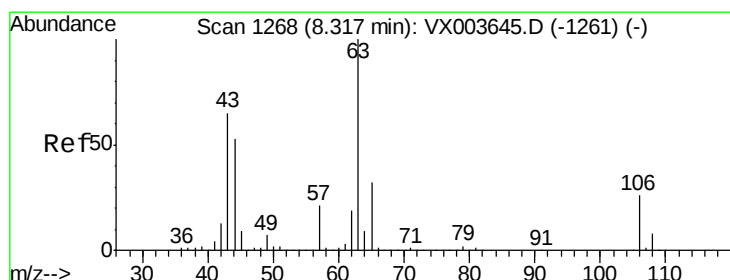
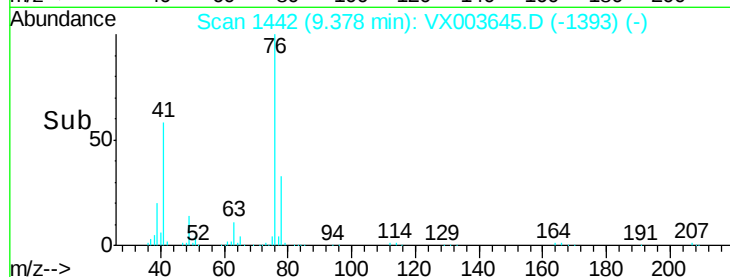
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 298.930 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003645.D

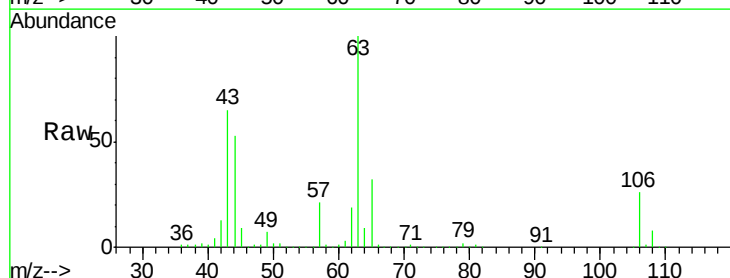
Acq: 24 Jul 2018 17:35

Tgt Ion: 63 Resp: 303797

Ion Ratio Lower Upper

63 100

106 26.9 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

200000

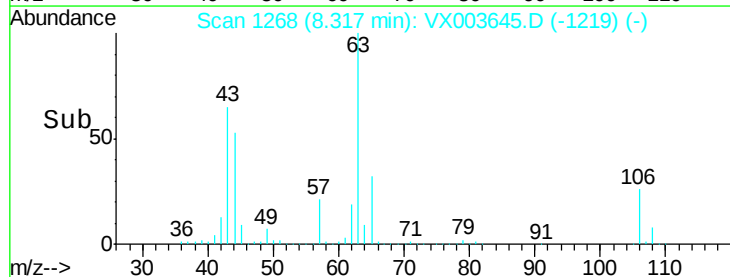
150000

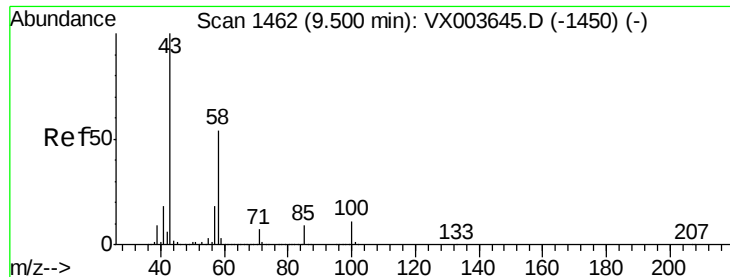
100000

50000

0

Time-->





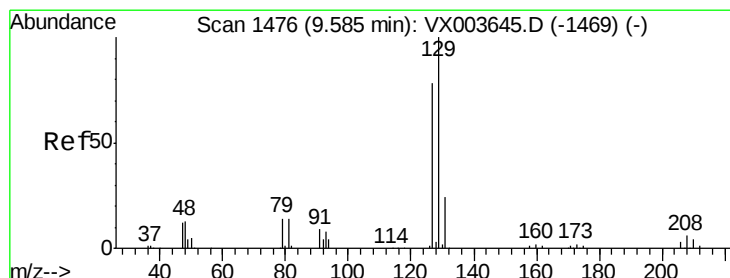
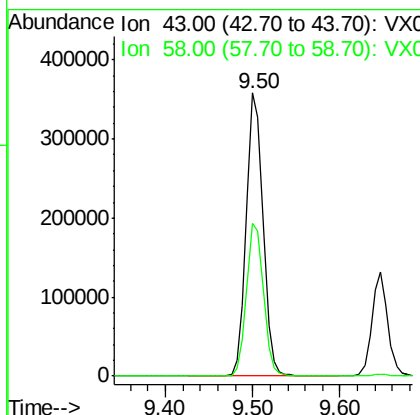
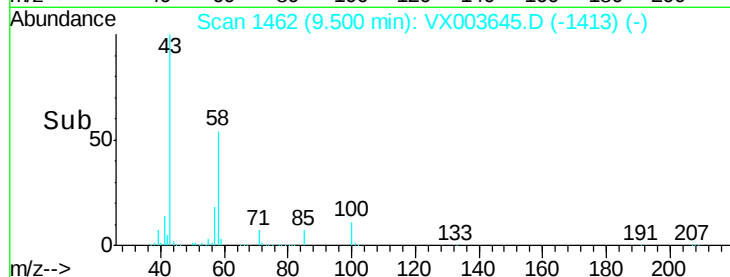
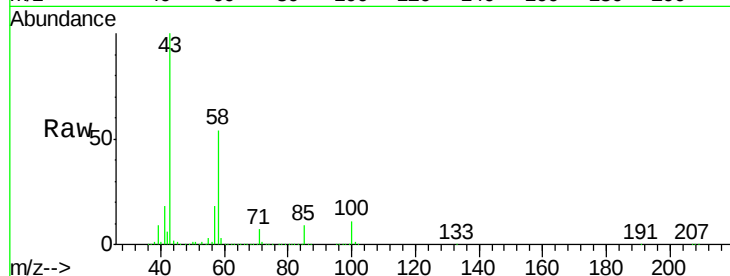
#59  
2-Hexanone  
Concen: 336.043 ug/l  
RT: 9.50 min Scan# 1462  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion: 43 Resp: 477870  
Ion Ratio Lower Upper  
43 100  
58 54.6 27.3 81.9

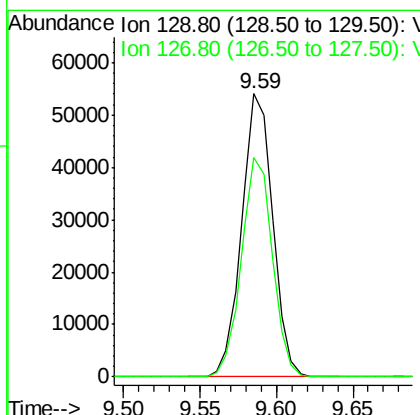
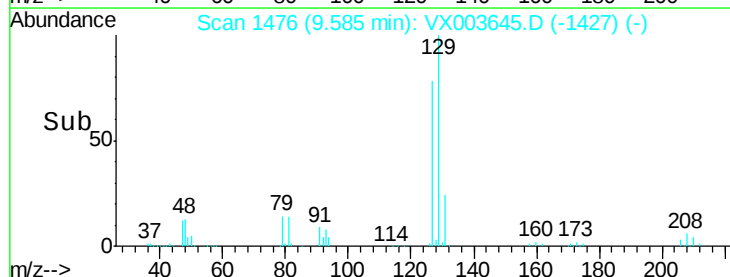
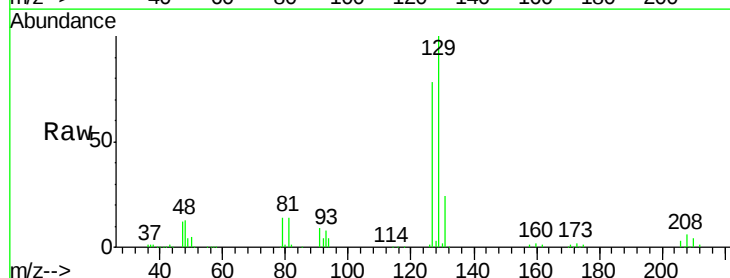
Manual Integrations  
APPROVED

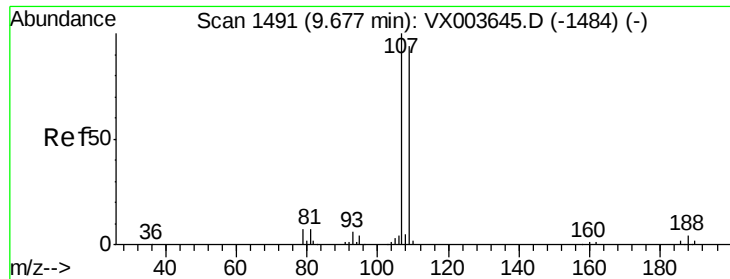
MMDadoda  
8/2/2018 11:54:16 AM



#60  
Dibromochloromethane  
Concen: 53.412 ug/l  
RT: 9.59 min Scan# 1476  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Tgt Ion: 129 Resp: 76191  
Ion Ratio Lower Upper  
129 100  
127 77.4 38.7 116.1





#61

1,2-Dibromoethane

Concen: 53.365 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 80237

Ion Ratio Lower Upper

107 100

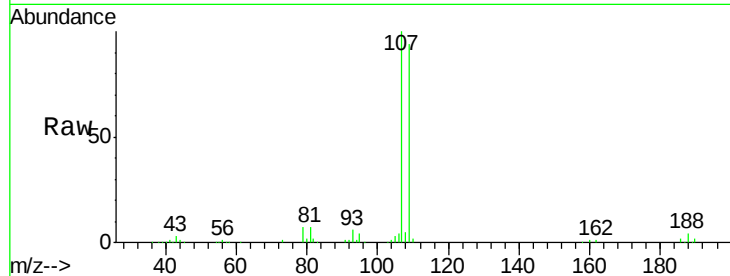
109 94.3 75.4 113.2

Manual Integrations

APPROVED

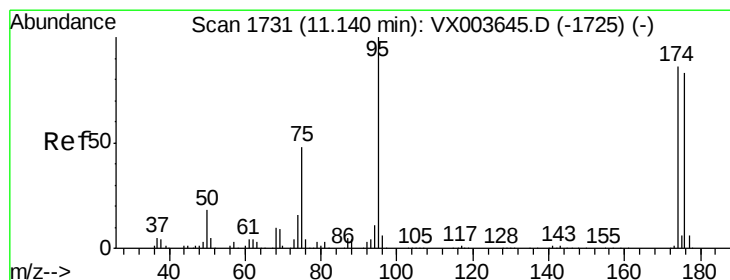
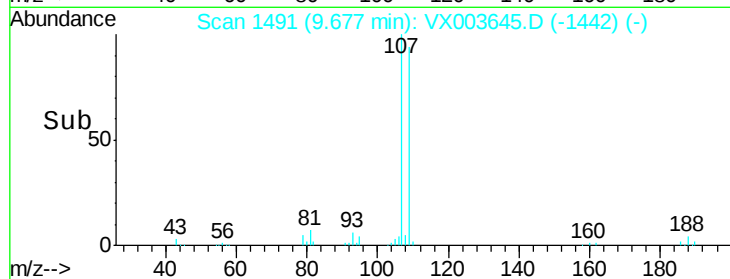
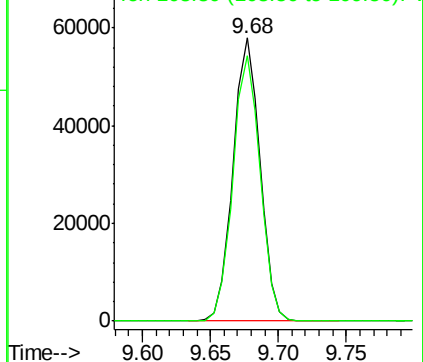
MMDadoda

8/2/2018 11:54:16 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.374 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

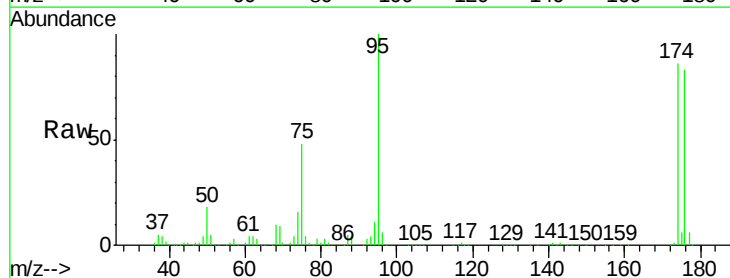
Tgt Ion: 95 Resp: 99454

Ion Ratio Lower Upper

95 100

174 89.5 0.0 179.0

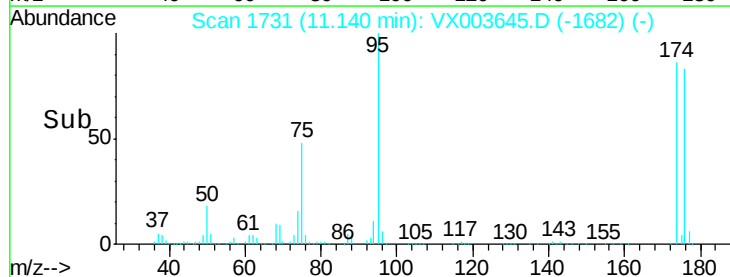
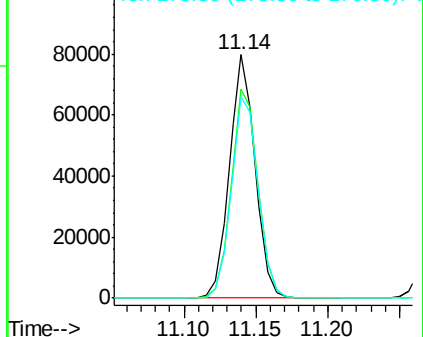
176 86.5 0.0 173.0

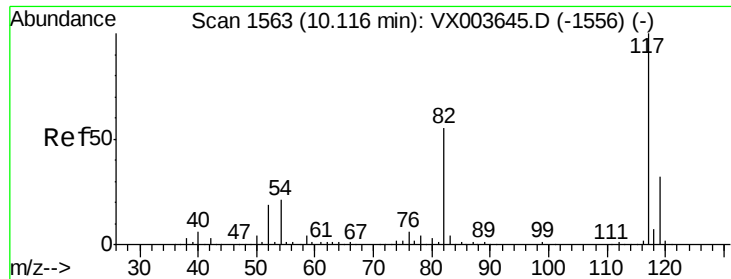


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





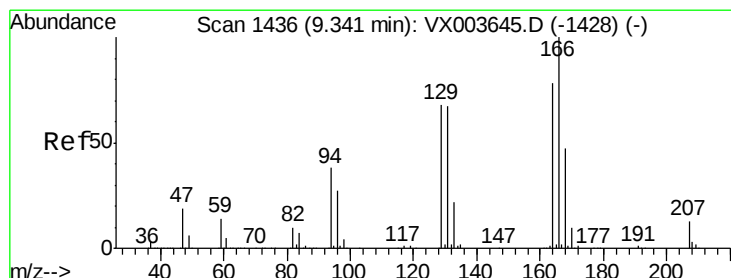
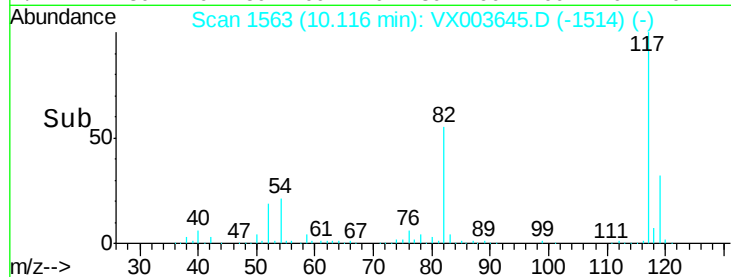
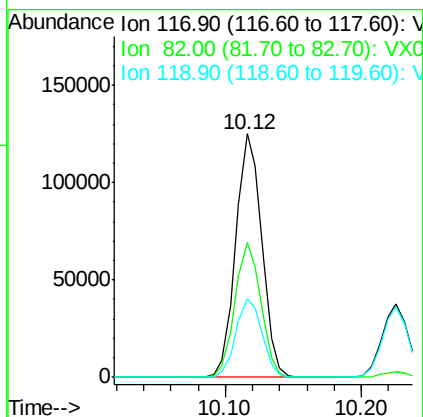
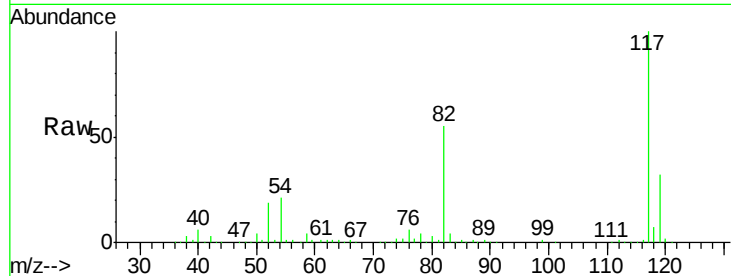
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.4  | 44.3  | 66.5  |
| 119     | 32.0  | 25.6  | 38.4  |

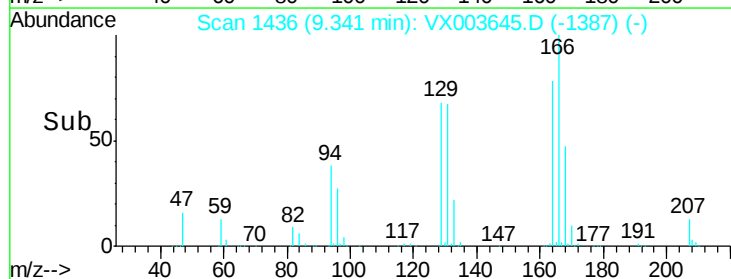
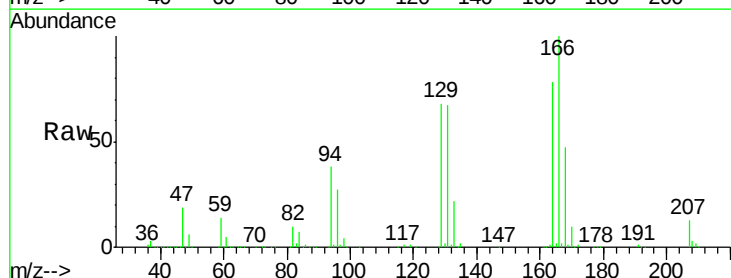
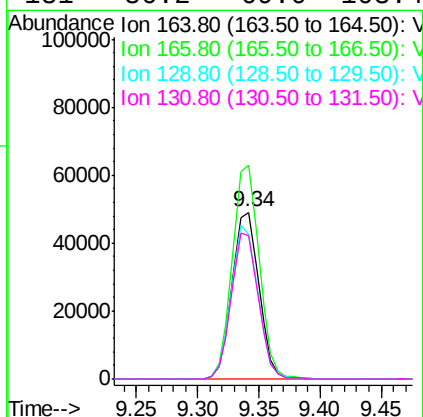
Manual Integrations  
APPROVED

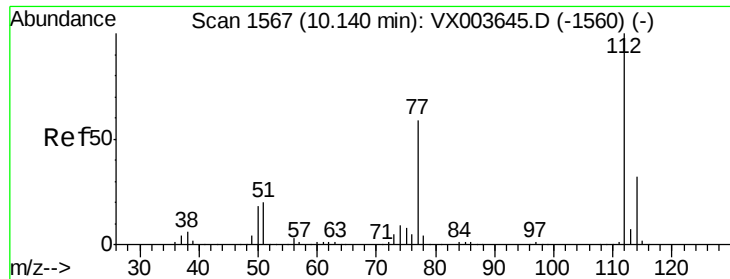
MMDadoda  
8/2/2018 11:54:16 AM



#64  
Tetrachloroethene  
Concen: 38.249 ug/l  
RT: 9.34 min Scan# 1436  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.0 | 102.4 | 153.6 |
| 129     | 87.0  | 69.6  | 104.4 |
| 131     | 86.2  | 69.0  | 103.4 |





#65

Chlorobenzene

Concen: 48.027 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 206413

Ion Ratio Lower Upper

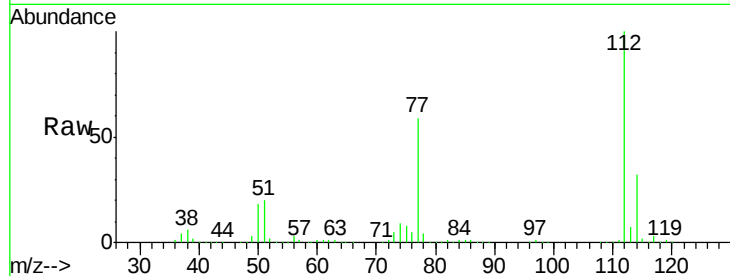
112 100

114 32.3 25.8 38.8

Manual Integrations  
APPROVED

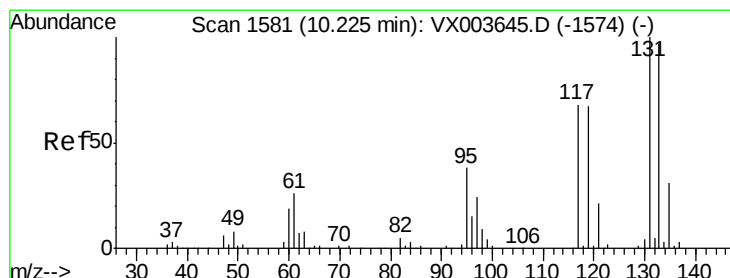
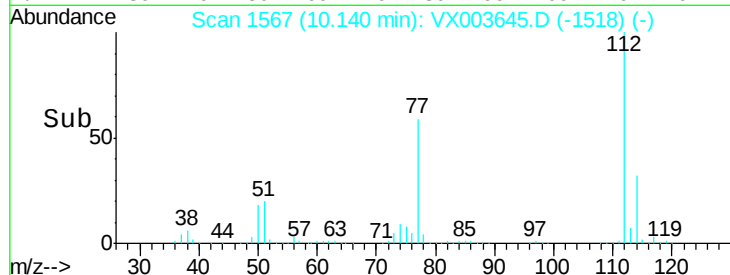
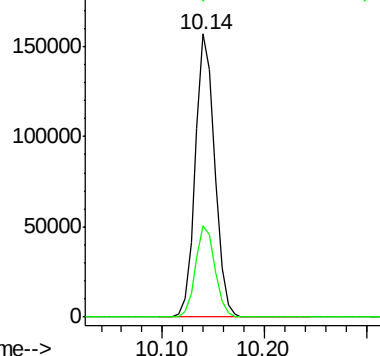
MMDadoda

8/2/2018 11:54:16 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.783 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

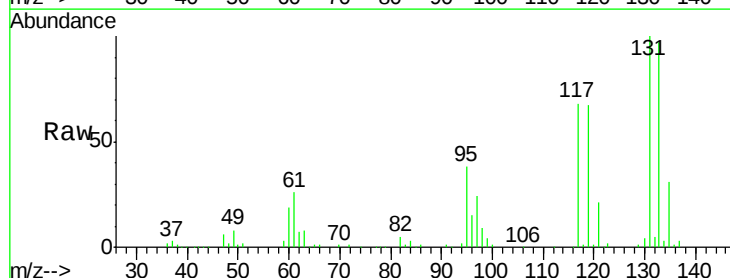
Tgt Ion:131 Resp: 73594

Ion Ratio Lower Upper

131 100

133 95.2 47.6 142.8

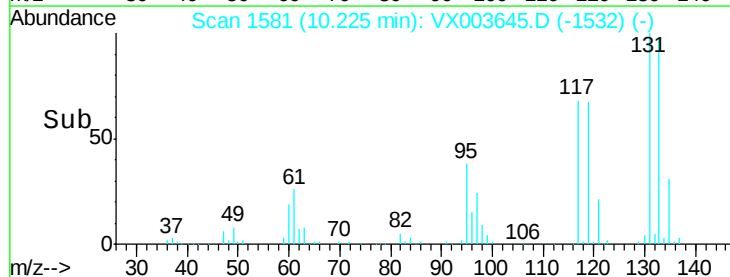
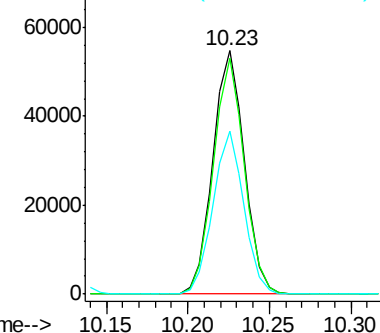
119 65.6 32.8 98.4

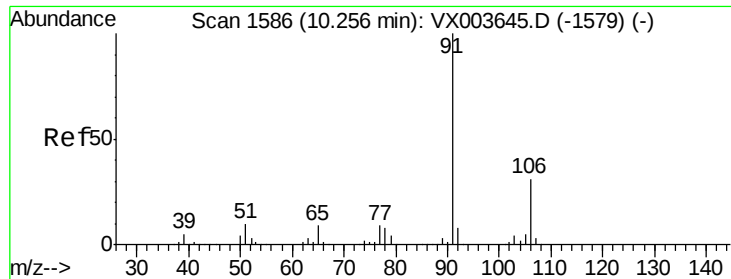


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





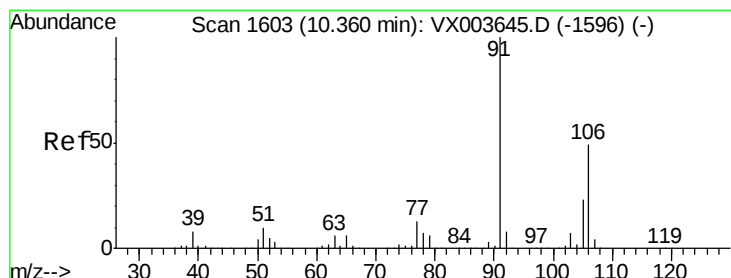
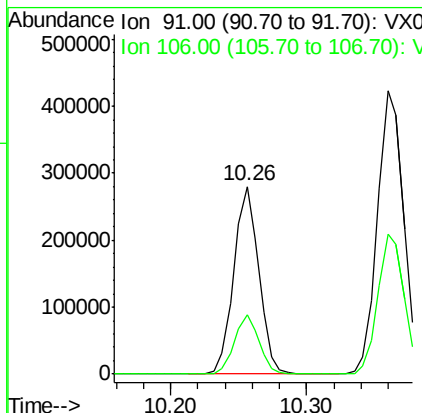
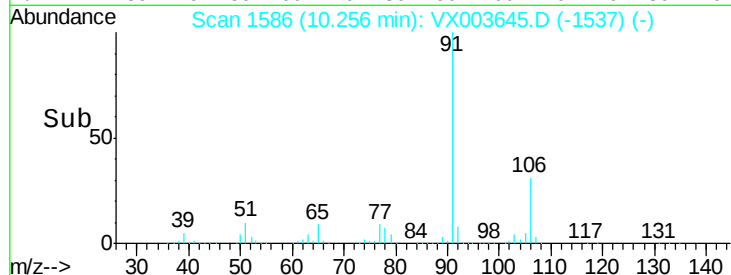
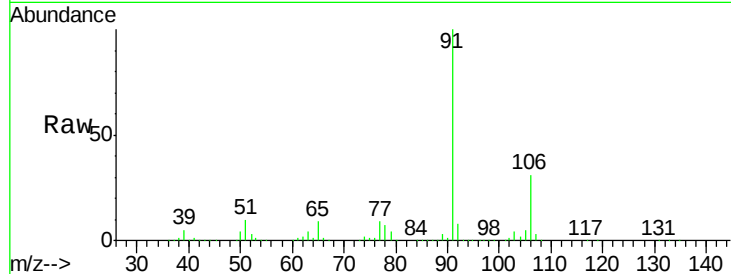
#67  
Ethyl Benzene  
Concen: 51.528 ug/l  
RT: 10.26 min Scan# 1586  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion: 91 Resp: 359149  
Ion Ratio Lower Upper  
91 100  
106 31.3 25.0 37.6

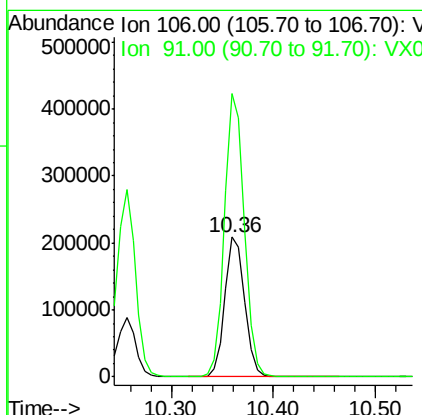
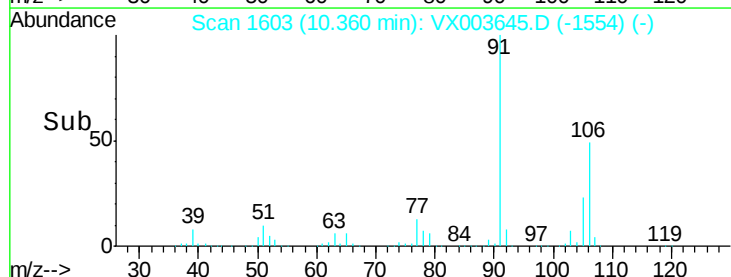
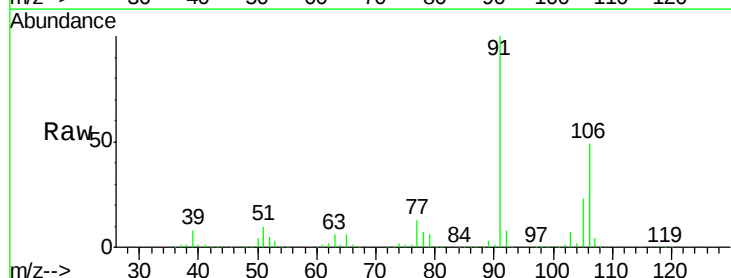
Manual Integrations  
APPROVED

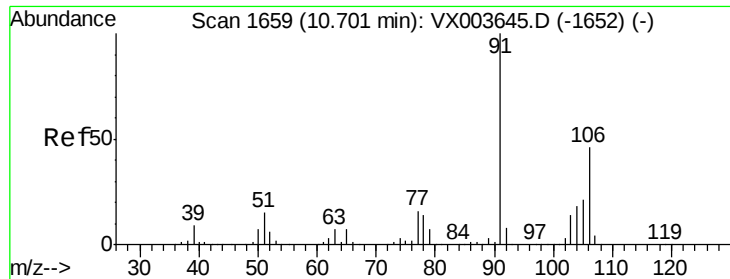
MMDadoda  
8/2/2018 11:54:16 AM



#68  
m/p-Xylenes  
Concen: 102.798 ug/l  
RT: 10.36 min Scan# 1603  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Tgt Ion: 106 Resp: 279907  
Ion Ratio Lower Upper  
106 100  
91 202.7 162.2 243.2





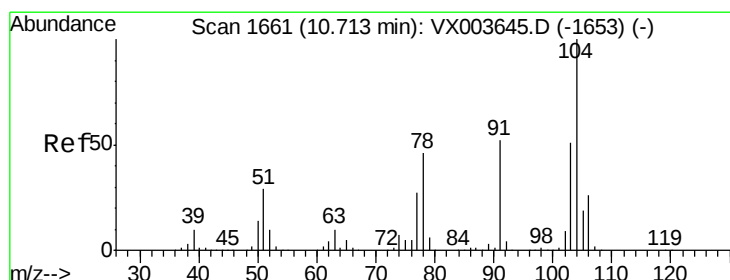
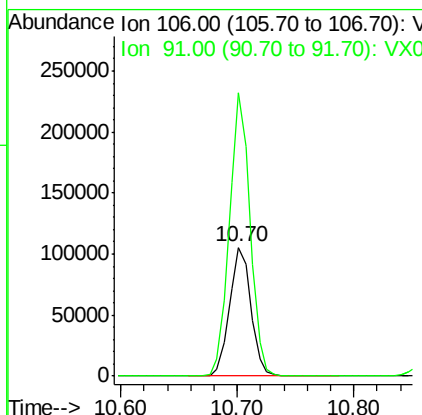
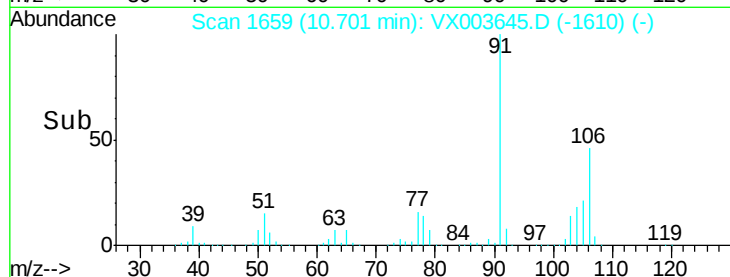
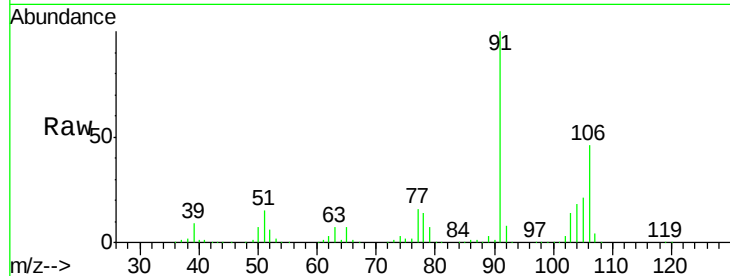
#69  
o-Xylene  
Concen: 51.178 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion:106 Resp: 134534  
Ion Ratio Lower Upper  
106 100  
91 214.1 107.1 321.1

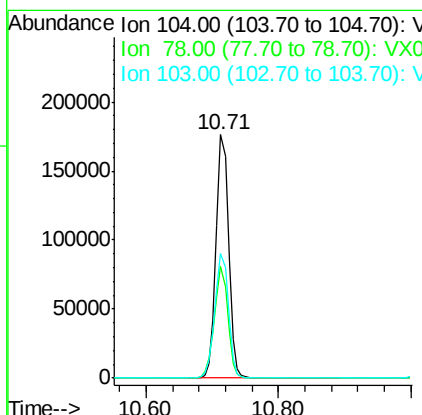
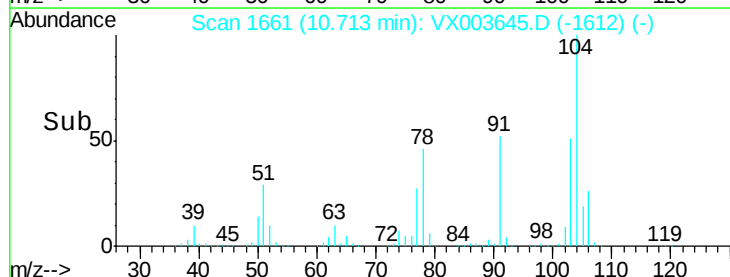
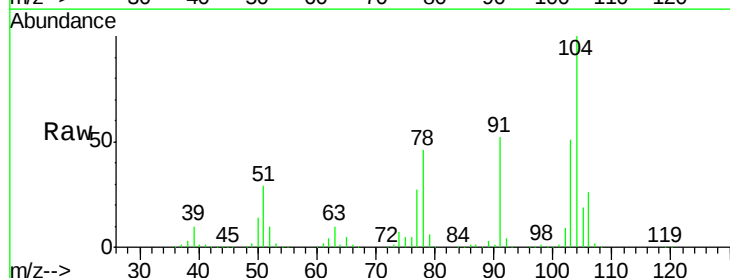
Manual Integrations  
APPROVED

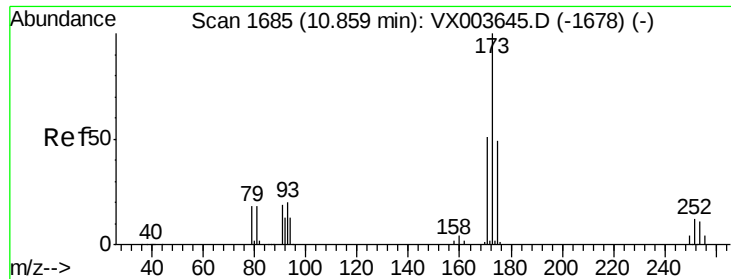
MMDadoda  
8/2/2018 11:54:16 AM



#70  
Styrene  
Concen: 53.129 ug/l  
RT: 10.71 min Scan# 1661  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Tgt Ion:104 Resp: 230420  
Ion Ratio Lower Upper  
104 100  
78 49.0 39.2 58.8  
103 55.3 44.2 66.4





#71

Bromoform

Concen: 52.274 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 60138

Ion Ratio Lower Upper

173 100

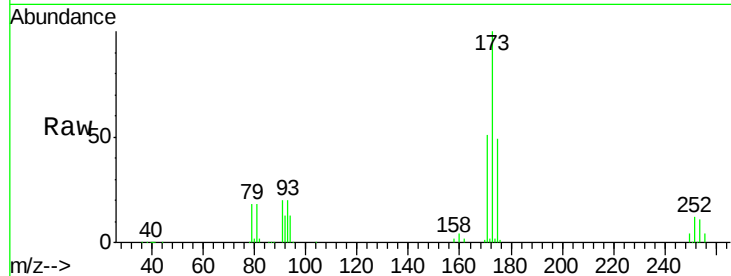
175 48.1 24.1 72.2

254 0.0 0.0 0.0

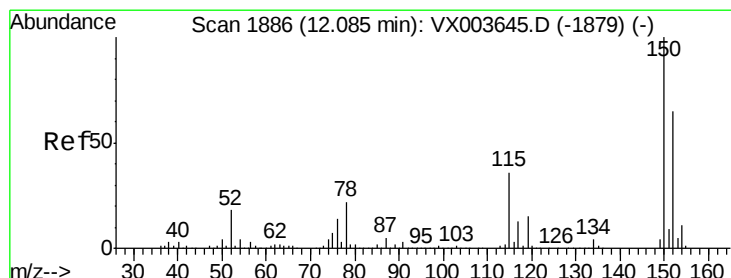
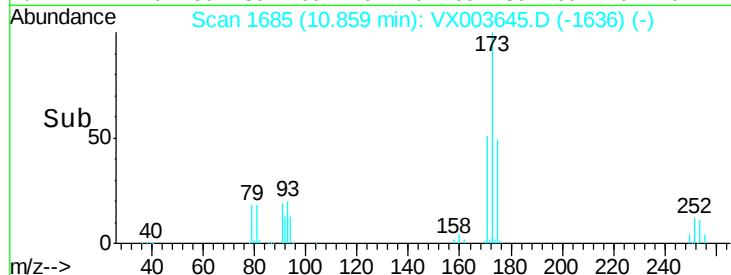
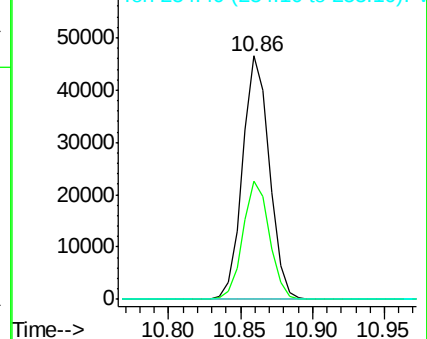
Manual Integrations  
APPROVED

MMDadoda

8/2/2018 11:54:16 AM



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

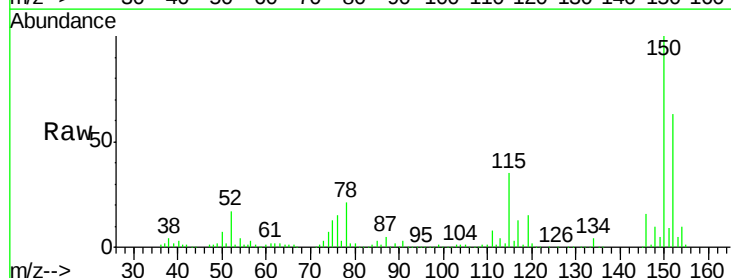
Tgt Ion:152 Resp: 102536

Ion Ratio Lower Upper

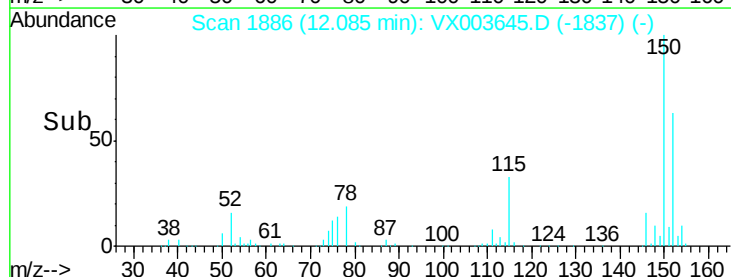
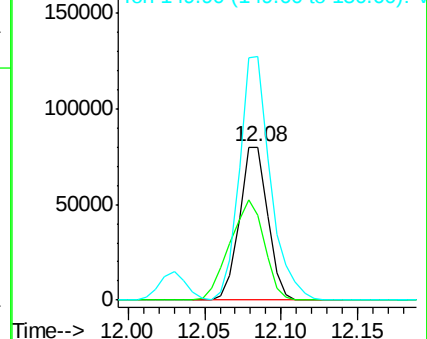
152 100

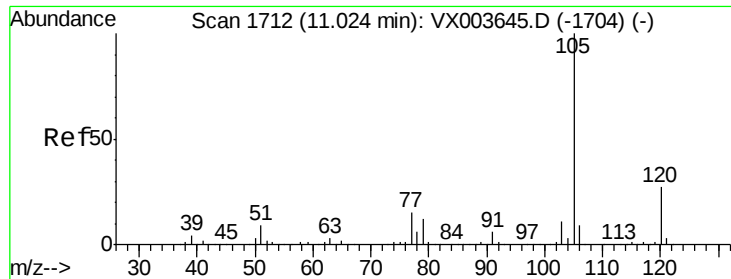
115 79.9 40.0 119.9

150 174.2 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.720 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 360725

Ion Ratio Lower Upper

105 100

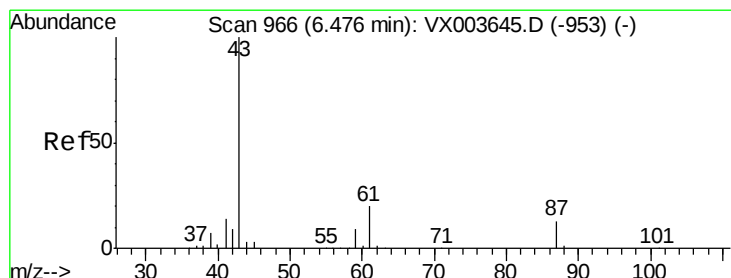
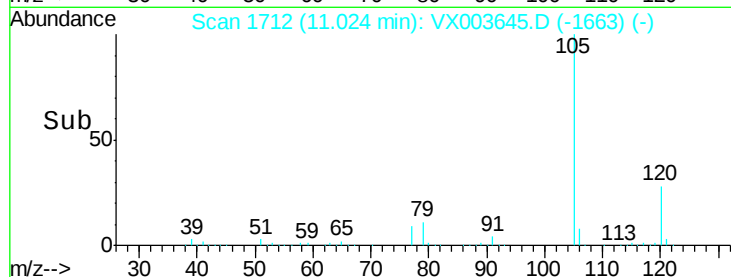
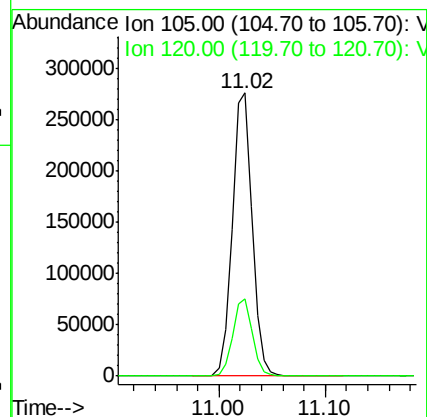
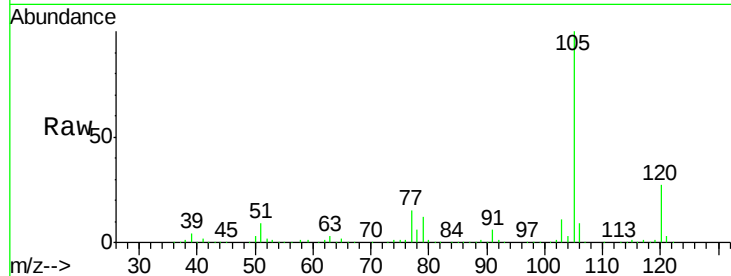
120 27.0 13.5 40.5

Manual Integrations

APPROVED

MMDadoda

8/2/2018 11:54:16 AM



#74

N-ethyl acetate

Concen: 58.148 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Tgt Ion: 43 Resp: 182321

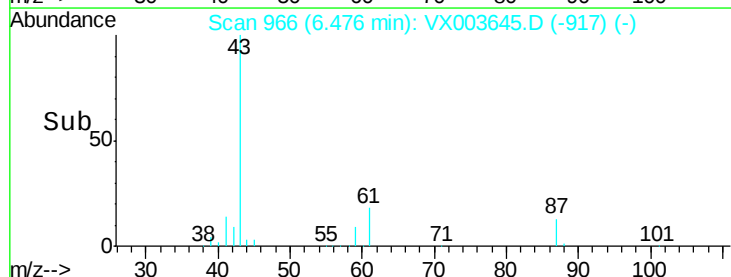
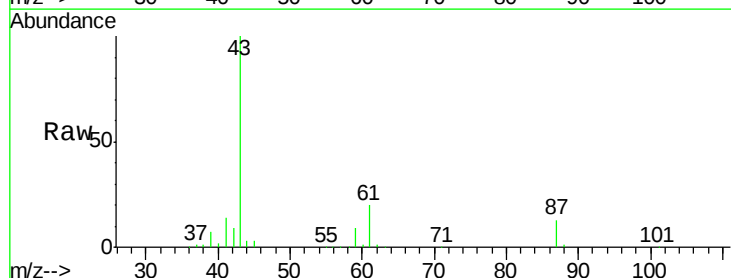
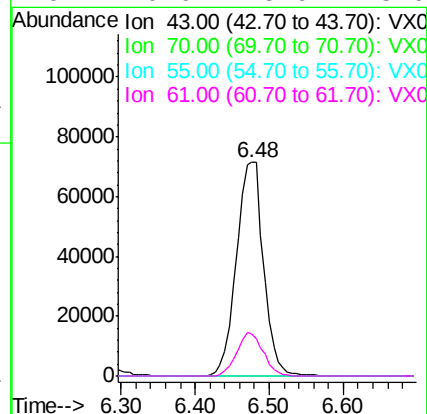
Ion Ratio Lower Upper

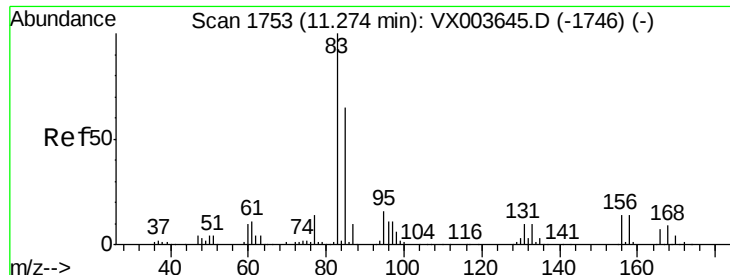
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 19.9 15.9 23.9





#75

1,1,2,2-Tetrachloroethane

Concen: 57.882 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Instrument :

MSVOA\_X

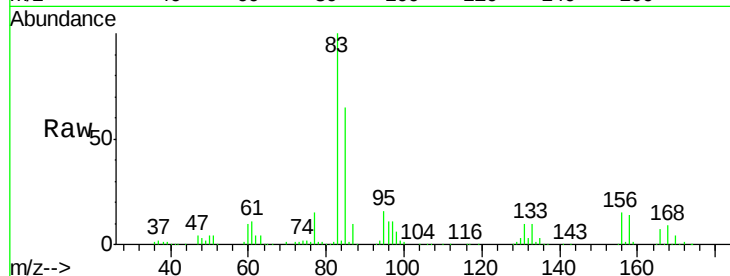
ClientSampleId :

VSTDICCC050

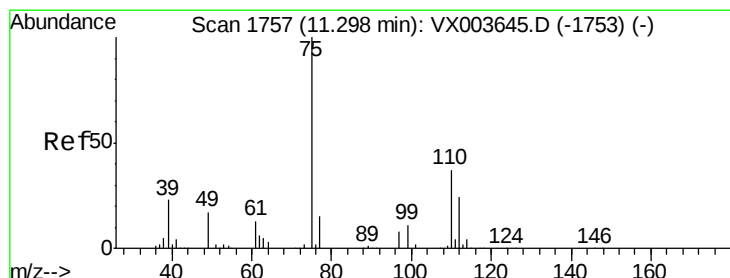
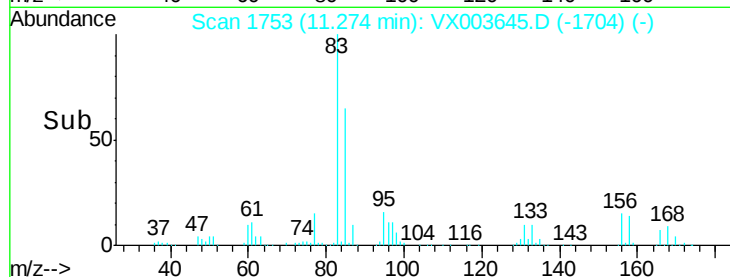
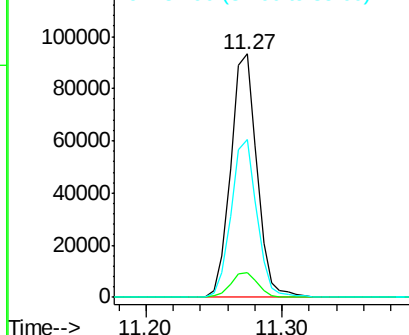
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 124953 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.3  | 5.1   | 15.4   |
| 85        | 63.9  | 31.9  | 95.9   |

Manual Integrations  
APPROVED

MMDadoda  
8/2/2018 11:54:16 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 130.80 (130.50 to 131.50): V  
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 56.065 ug/l m

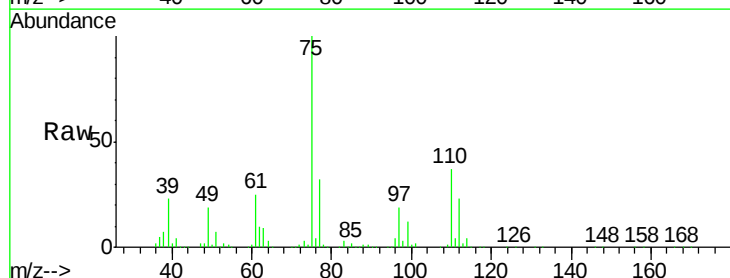
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

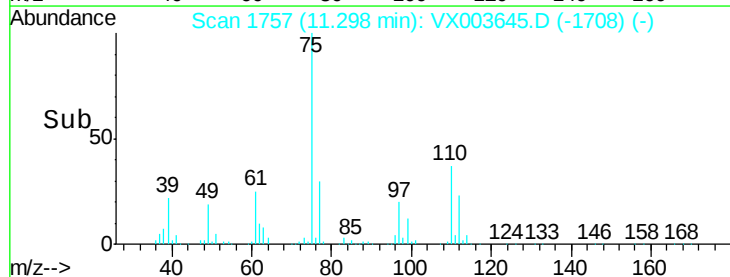
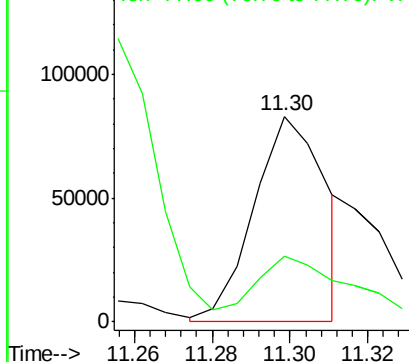
Lab File: VX003645.D

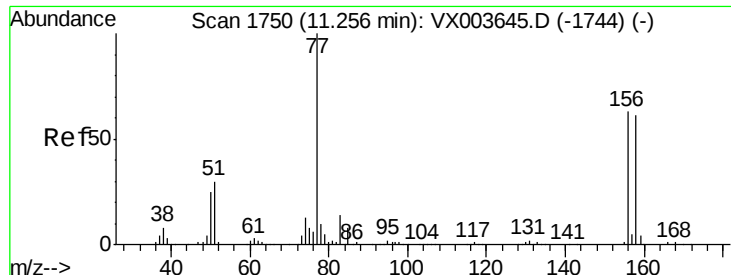
Acq: 24 Jul 2018 17:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 106254 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 43.1  | 21.6  | 64.6   |



Abundance Ion 74.90 (74.60 to 75.60): VX0  
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 46.639 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Instrument :

MSVOA\_X

ClientSampled :

VSTDICCC050

Tot Ion:156 Resp: 94476

Ion Ratio Lower Upper

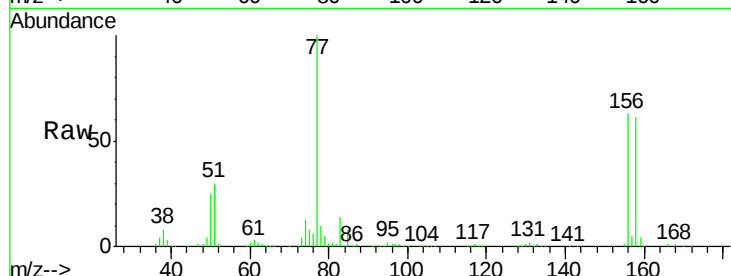
156 100

77 149.7 74.9 224.6

158 96.8 48.4 145.2

Manual Integrations  
APPROVED

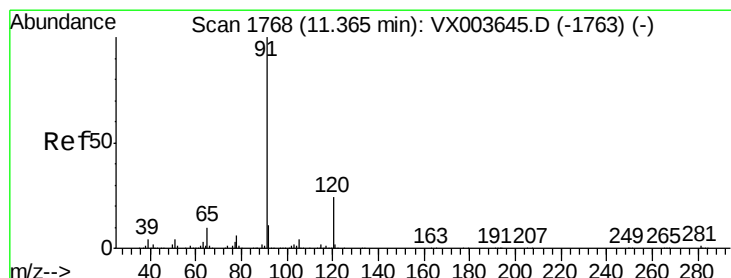
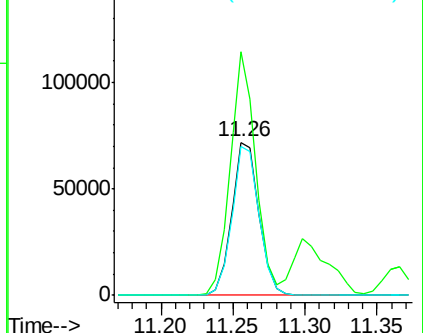
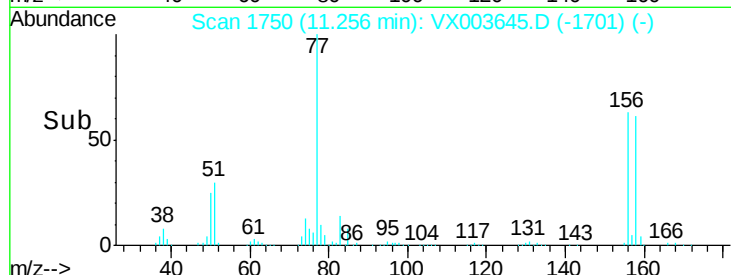
MMDadoda  
8/2/2018 11:54:16 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.952 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003645.D

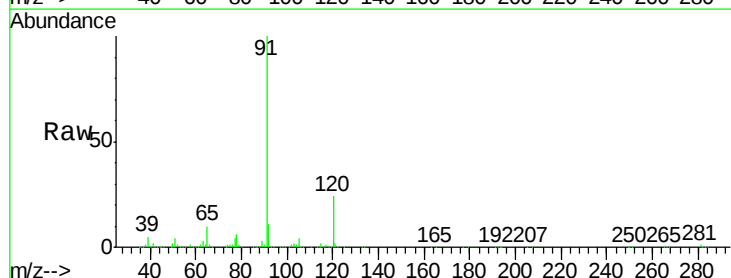
Acq: 24 Jul 2018 17:35

Tgt Ion: 91 Resp: 421804

Ion Ratio Lower Upper

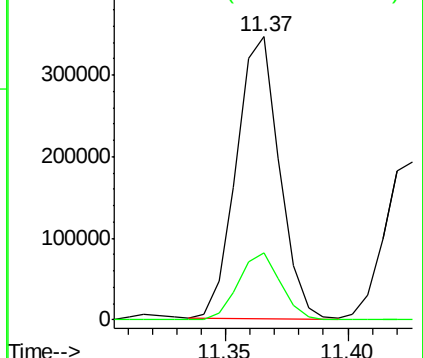
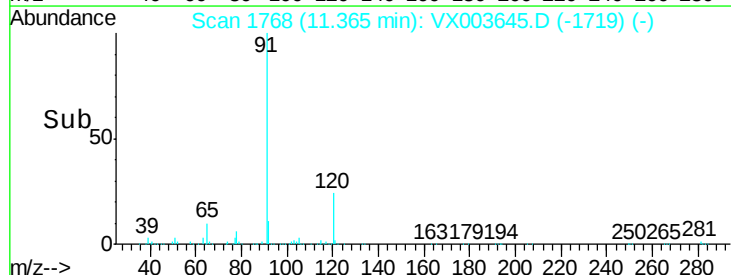
91 100

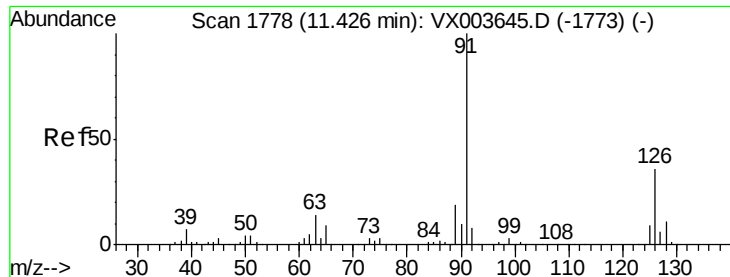
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.146 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 247141

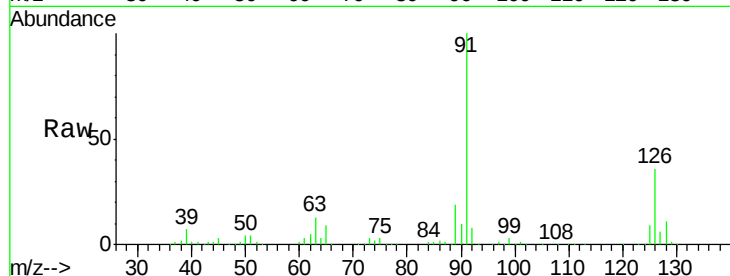
Ion Ratio Lower Upper

91 100

126 34.7 17.3 52.0

Manual Integrations  
APPROVED

MMDadoda  
8/2/2018 11:54:16 AM



Abundance Ion 91.00 (90.70 to 91.70): VX003645.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003645.D (-1773) (-)

400000

300000

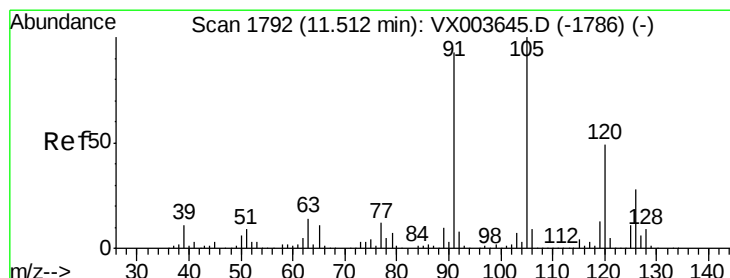
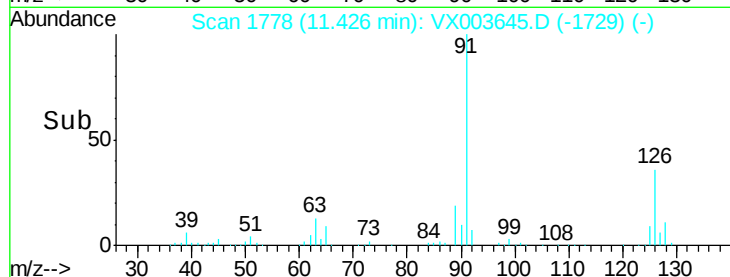
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.608 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003645.D

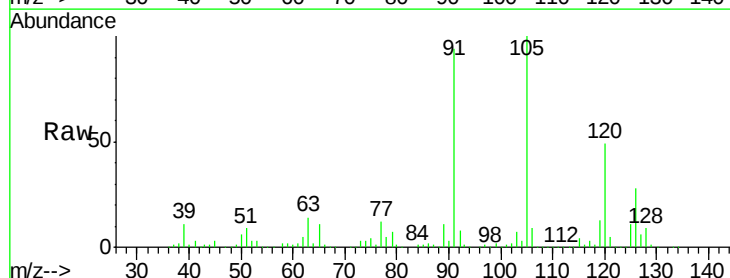
Acq: 24 Jul 2018 17:35

Tgt Ion: 105 Resp: 309351

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003645.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX003645.D (-1786) (-)

300000

250000

200000

150000

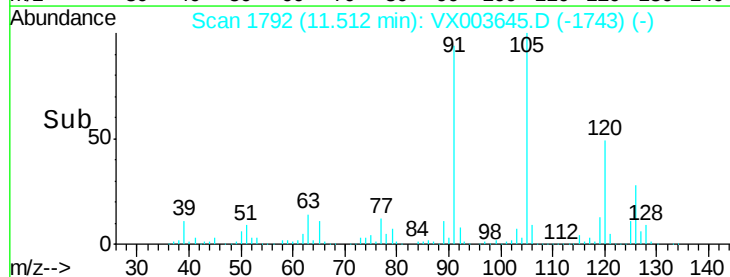
100000

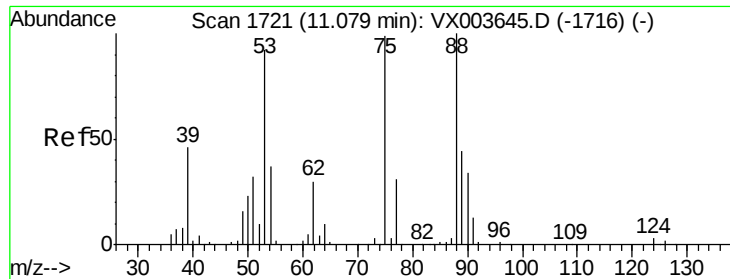
50000

0

11.50 11.60

Time-->





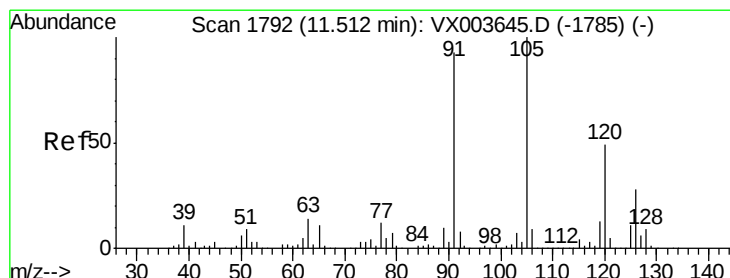
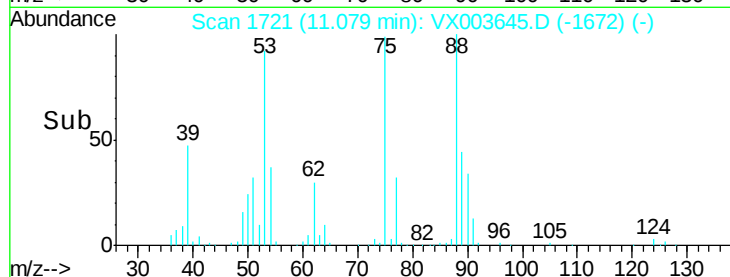
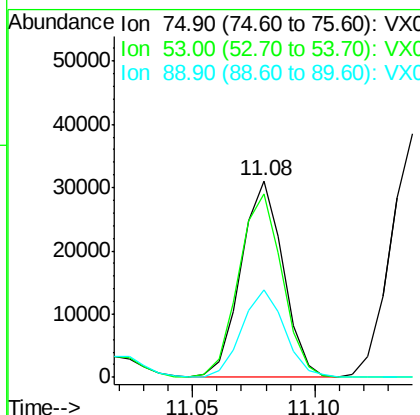
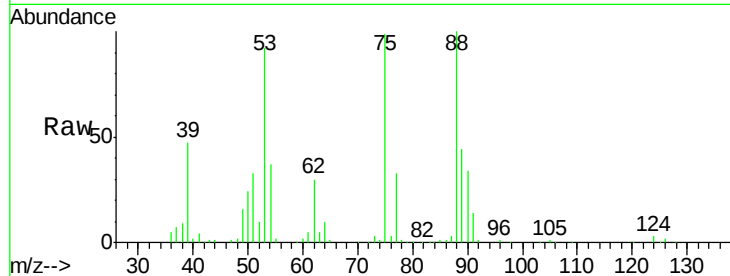
#81  
trans-1,4-Dichloro-2-butene  
Concen: 61.861 ug/l  
RT: 11.08 min Scan# 1721  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 97.3  | 77.8  | 116.8 |
| 89      | 45.7  | 36.6  | 54.8  |

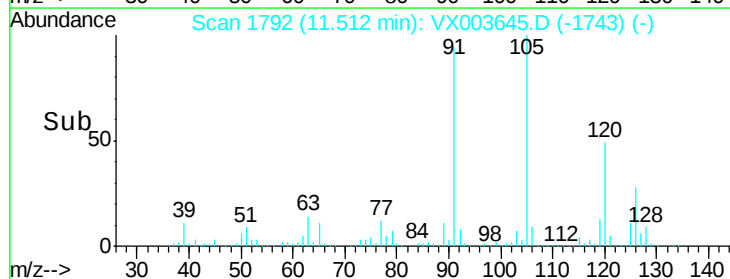
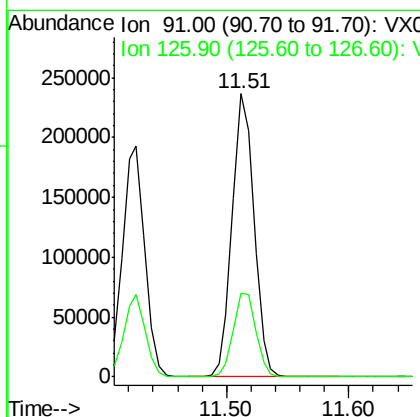
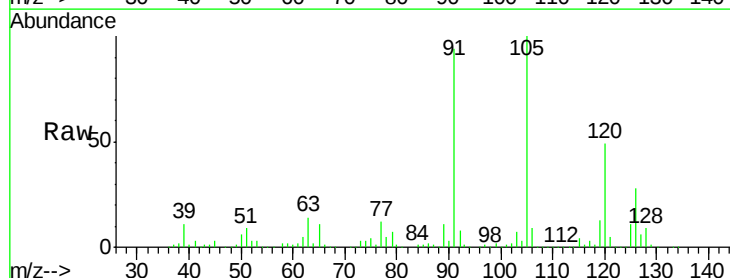
Manual Integrations  
APPROVED

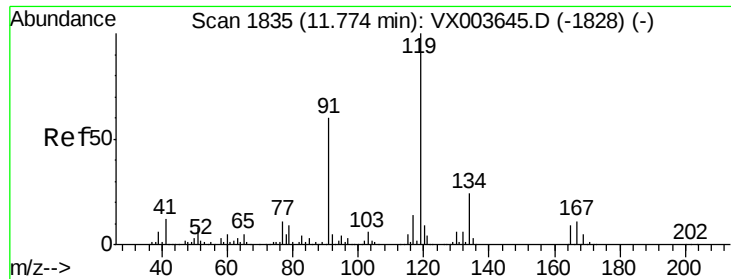
MMDadoda  
8/2/2018 11:54:16 AM



#82  
4-Chlorotoluene  
Concen: 51.534 ug/l  
RT: 11.51 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 30.7  | 15.4  | 46.1  |





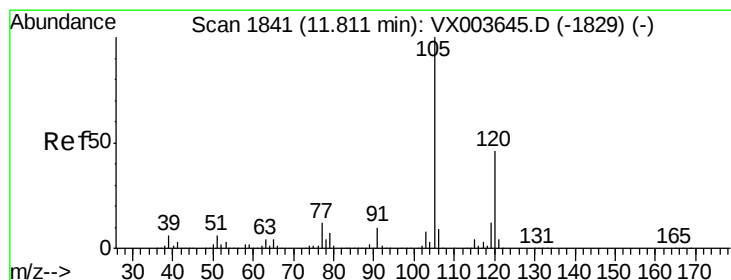
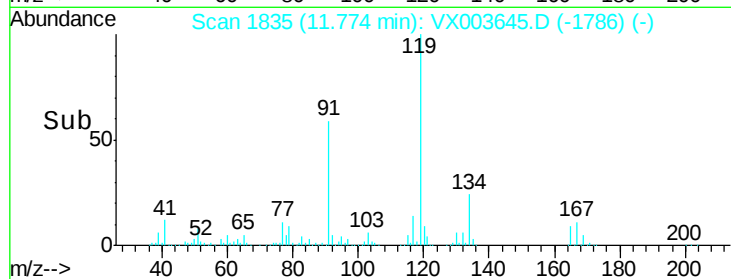
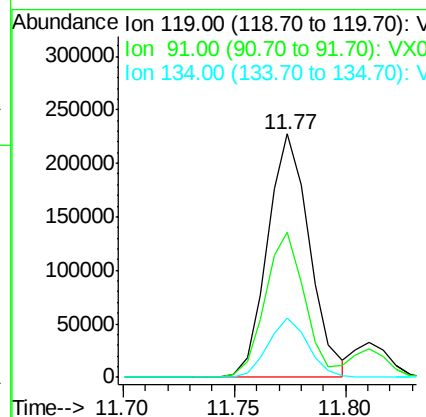
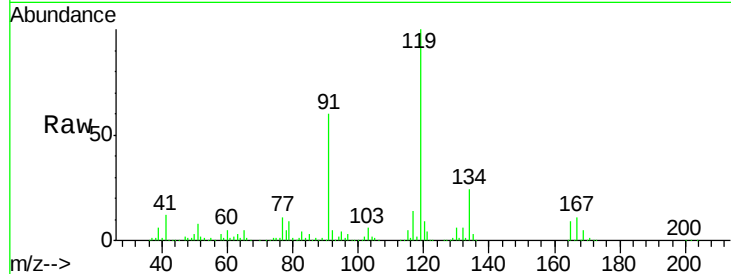
#83  
 tert-Butylbenzene  
 Concen: 51.819 ug/l  
 RT: 11.77 min Scan# 1835  
 Delta R.T. 0.00 min  
 Lab File: VX003645.D  
 Acq: 24 Jul 2018 17:35

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 297959 |       |       |
| 91      | 56.8  |        | 28.4  | 85.2  |
| 134     | 23.2  |        | 11.6  | 34.8  |

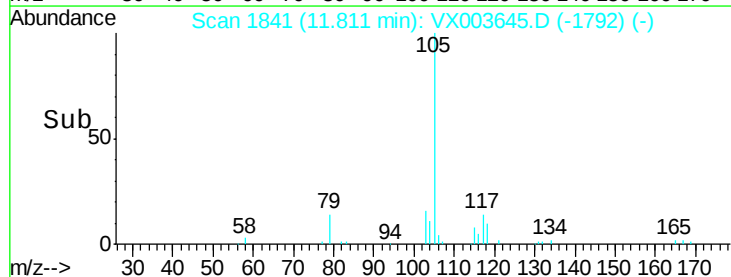
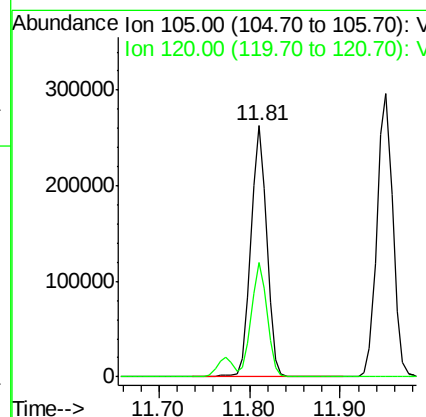
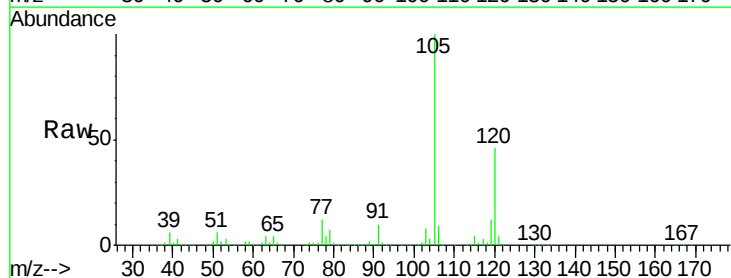
Manual Integrations  
 APPROVED

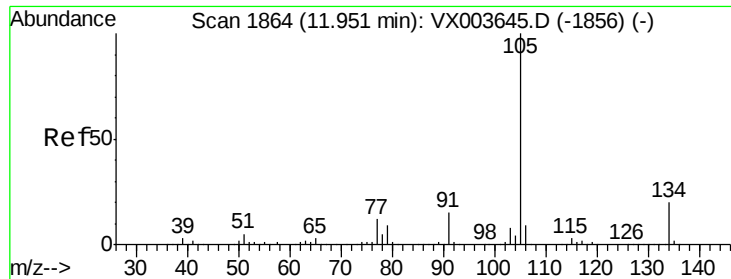
MMDadoda  
 8/2/2018 11:54:16 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 53.392 ug/l  
 RT: 11.81 min Scan# 1841  
 Delta R.T. 0.00 min  
 Lab File: VX003645.D  
 Acq: 24 Jul 2018 17:35

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 319742 |       |       |
| 120     | 45.2  |        | 22.6  | 67.8  |





#85

sec-Butylbenzene

Concen: 51.648 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

Instrument :

MSVOA\_X

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 360185

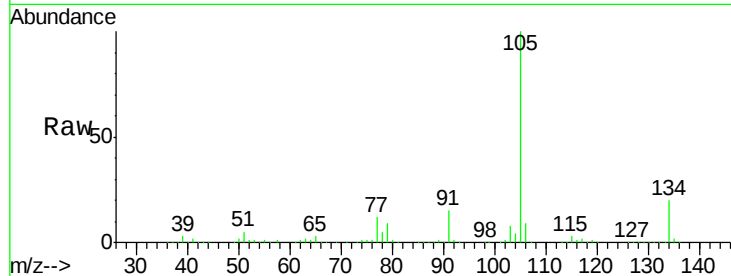
Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1

Manual Integrations  
APPROVED

MMDadoda  
8/2/2018 11:54:16 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

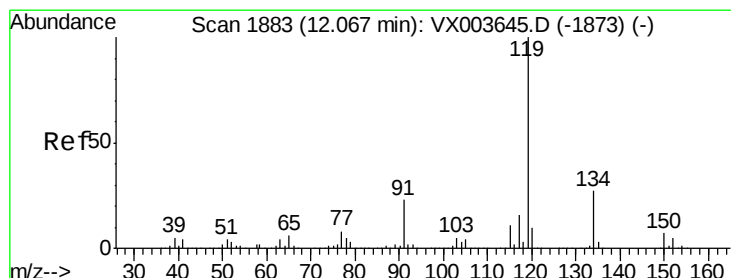
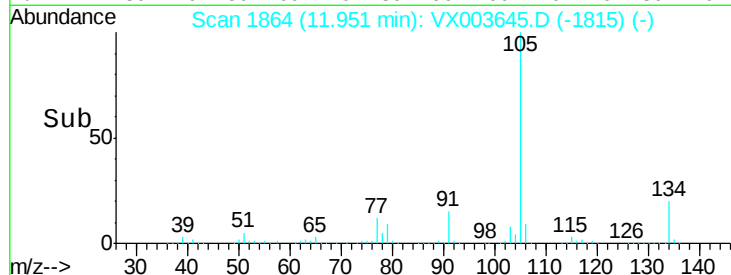
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 52.000 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003645.D

Acq: 24 Jul 2018 17:35

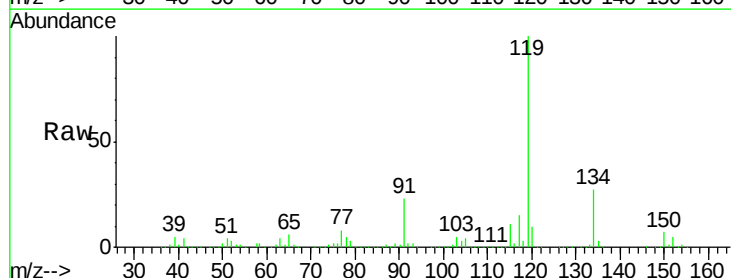
Tgt Ion:119 Resp: 325027

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 23.0 11.5 34.5



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

12.07

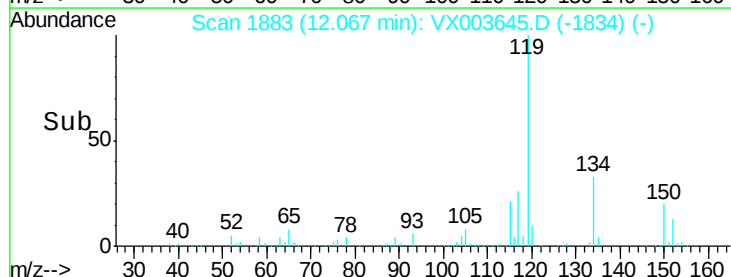
300000

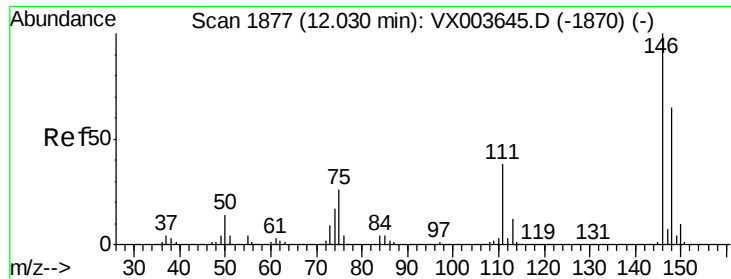
200000

100000

0

Time-->





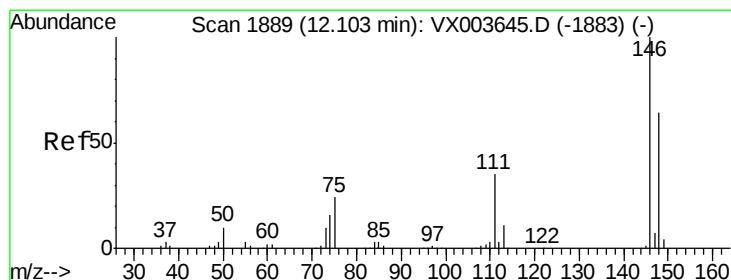
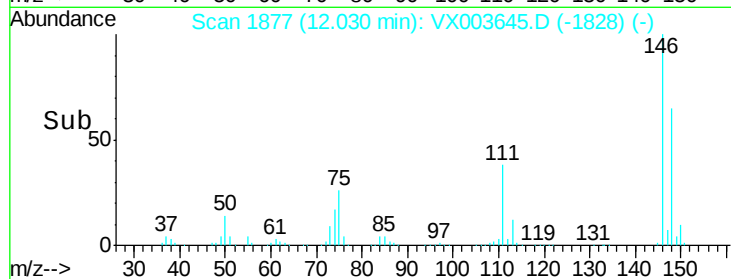
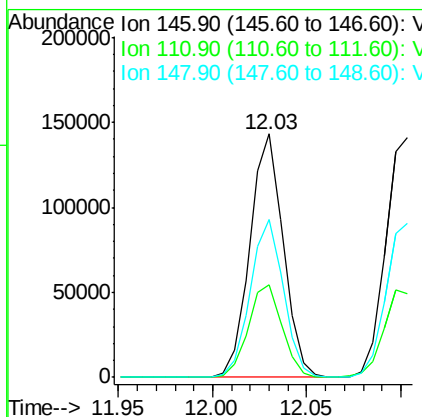
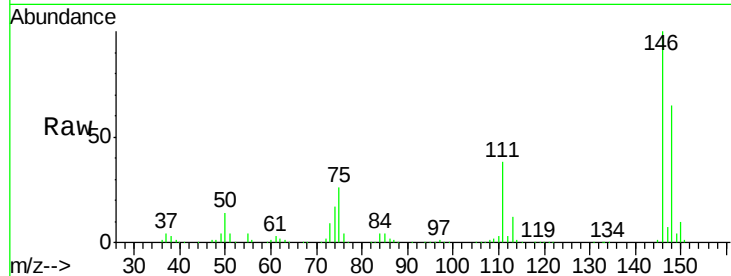
#87  
 1,3-Dichlorobenzene  
 Concen: 46.837 ug/l  
 RT: 12.03 min Scan# 1877  
 Delta R.T. 0.00 min  
 Lab File: VX003645.D  
 Acq: 24 Jul 2018 17:35

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.8  | 19.4  | 58.2  |
| 148     | 64.7  | 32.4  | 97.0  |

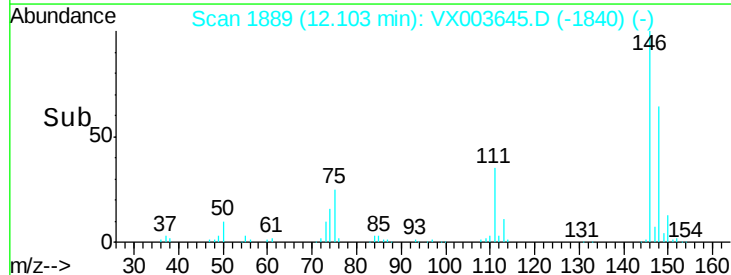
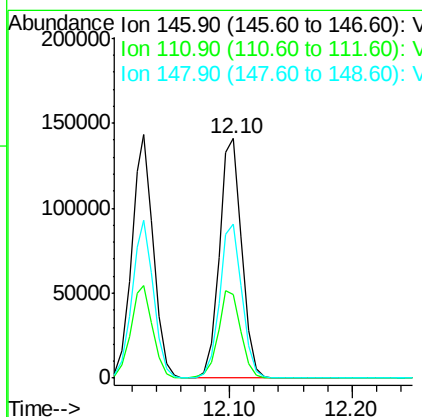
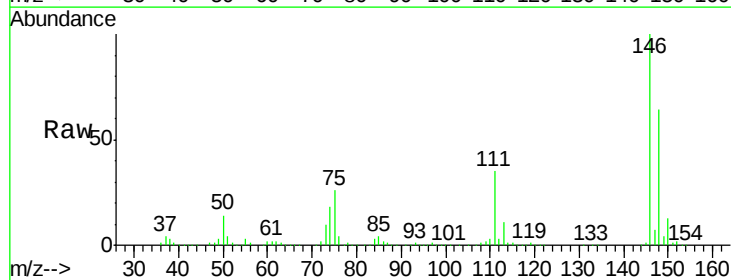
Manual Integrations  
 APPROVED

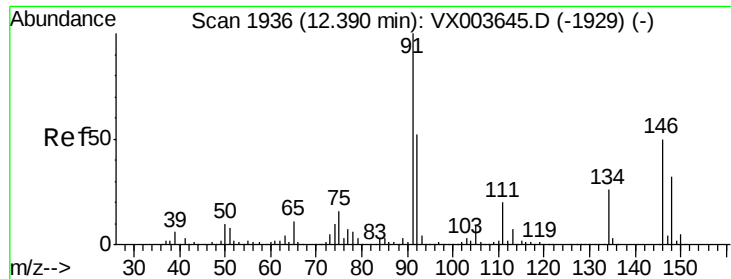
MMDadoda  
 8/2/2018 11:54:16 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 46.298 ug/l  
 RT: 12.10 min Scan# 1889  
 Delta R.T. 0.00 min  
 Lab File: VX003645.D  
 Acq: 24 Jul 2018 17:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.1  | 18.6  | 55.6  |
| 148     | 64.1  | 32.0  | 96.2  |





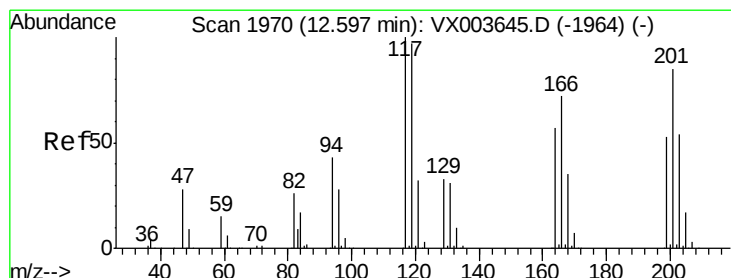
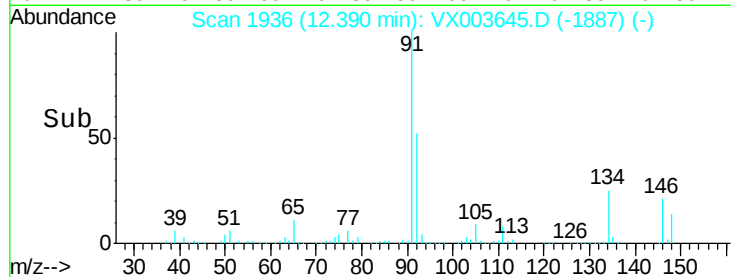
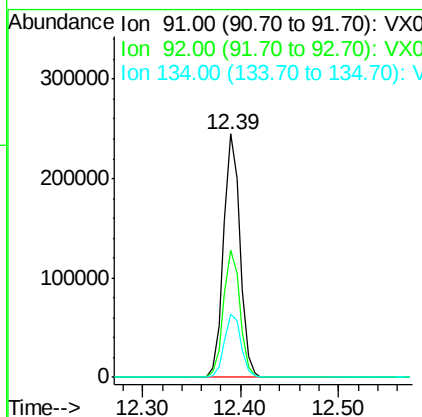
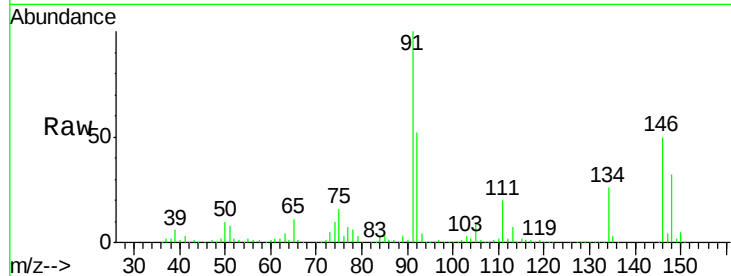
#89  
n-Butylbenzene  
Concen: 53.287 ug/l  
RT: 12.39 min Scan# 1936  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.6  | 26.3  | 78.9  |
| 134     | 26.5  | 13.3  | 39.8  |

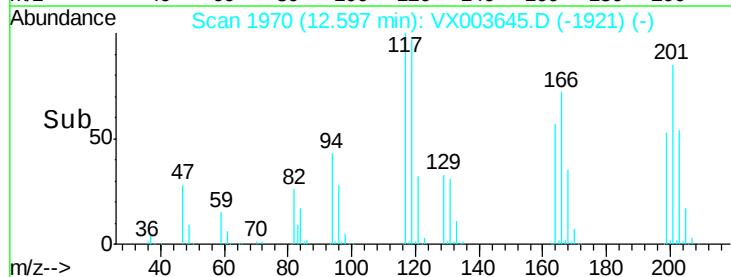
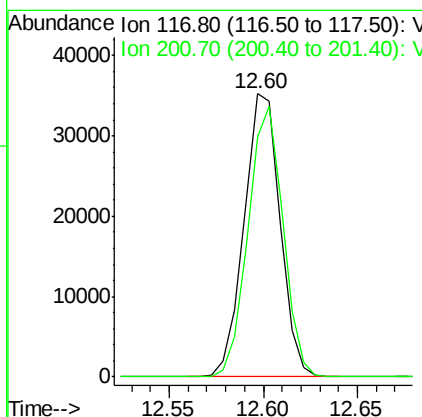
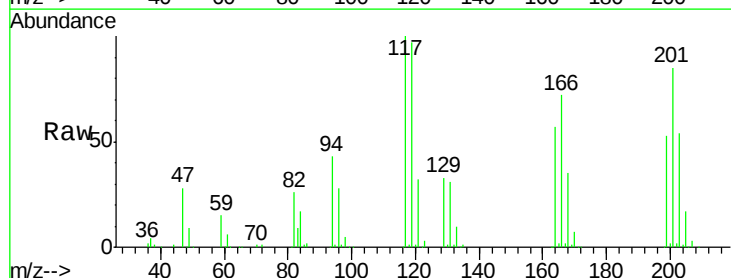
Manual Integrations  
APPROVED

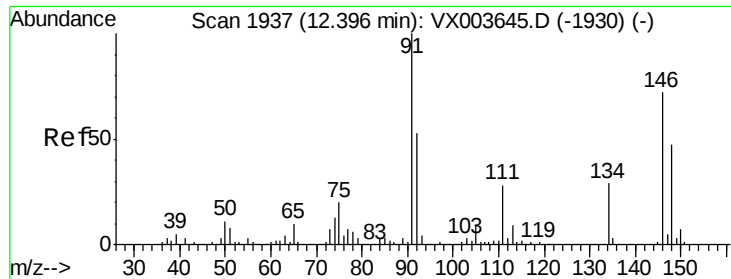
MMDadoda  
8/2/2018 11:54:16 AM



#90  
Hexachloroethane  
Concen: 52.040 ug/l  
RT: 12.60 min Scan# 1970  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 92.3  | 46.2  | 138.5 |





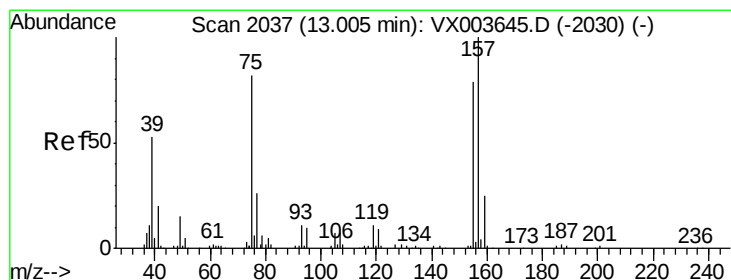
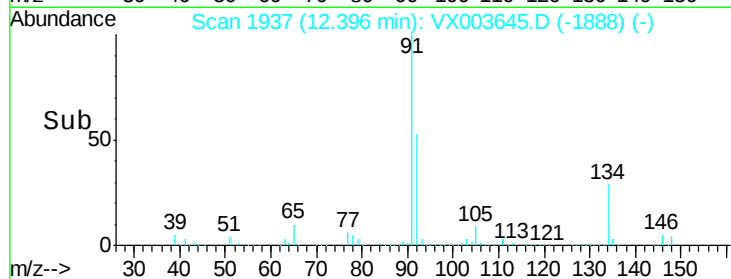
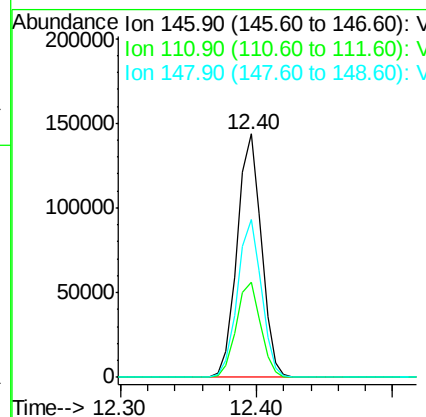
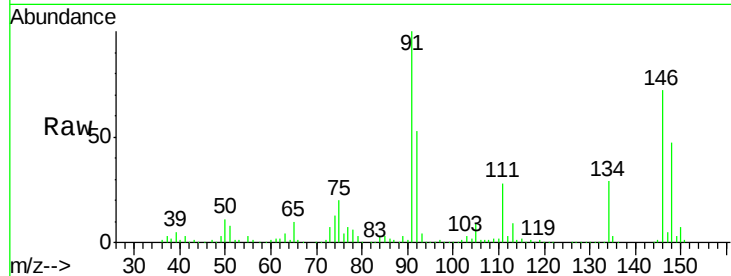
#91  
 1,2-Dichlorobenzene  
 Concen: 48.103 ug/l  
 RT: 12.40 min Scan# 1937  
 Delta R.T. 0.00 min  
 Lab File: VX003645.D  
 Acq: 24 Jul 2018 17:35

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 177591 |       |       |
| 111     | 39.6  | 19.8   | 59.4  |       |
| 148     | 64.4  | 32.2   | 96.6  |       |

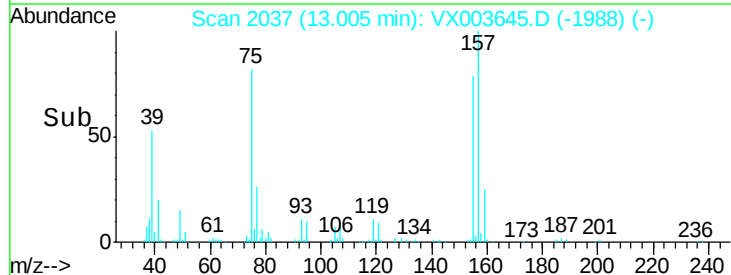
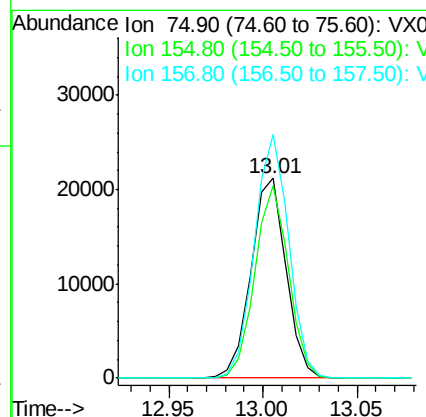
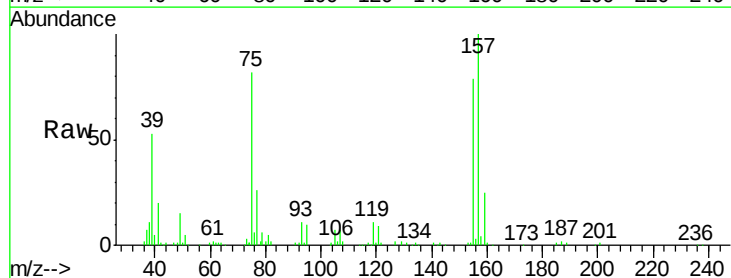
Manual Integrations  
 APPROVED

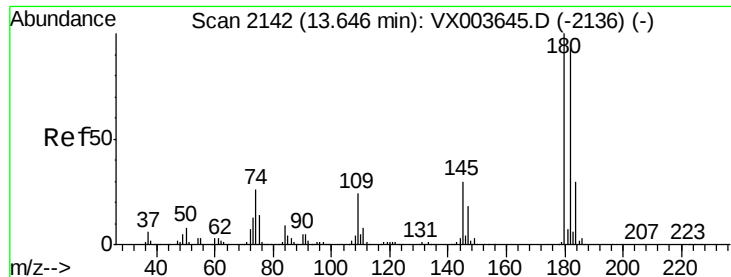
MMDadoda  
 8/2/2018 11:54:16 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 63.861 ug/l  
 RT: 13.01 min Scan# 2037  
 Delta R.T. 0.00 min  
 Lab File: VX003645.D  
 Acq: 24 Jul 2018 17:35

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 27292 |       |       |
| 155     | 92.2  | 46.1  | 138.3 |       |
| 157     | 119.3 | 59.7  | 179.0 |       |





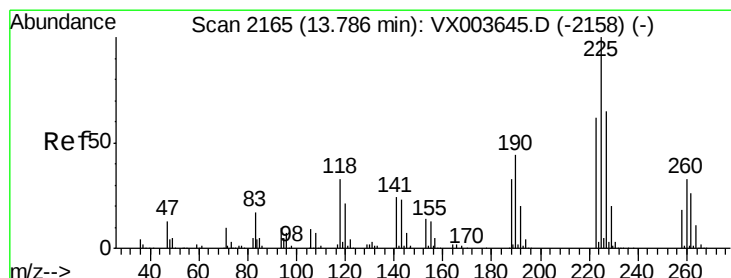
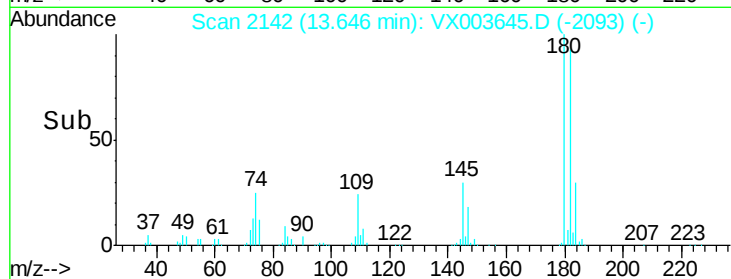
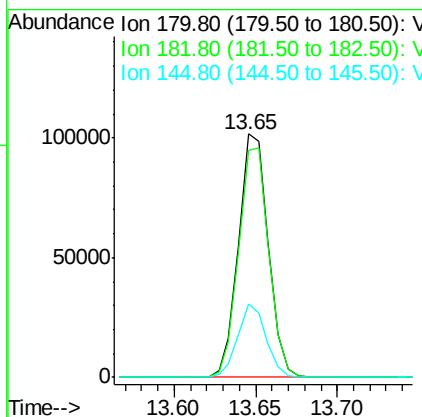
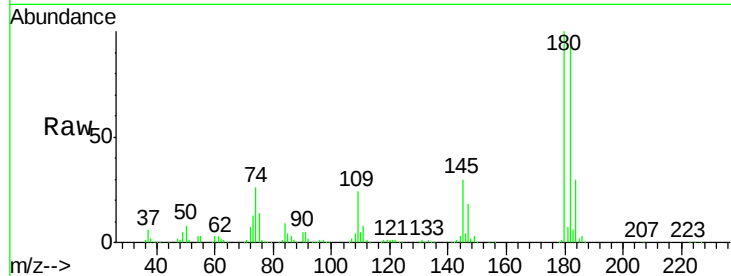
#93  
 1,2,4-Trichlorobenzene  
 Concen: 47.786 ug/l  
 RT: 13.65 min Scan# 2142  
 Delta R.T. 0.00 min  
 Lab File: VX003645.D  
 Acq: 24 Jul 2018 17:35

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 129075 |       |       |
| 182     | 95.9  | 47.9   | 143.8 |       |
| 145     | 28.8  | 14.4   | 43.2  |       |

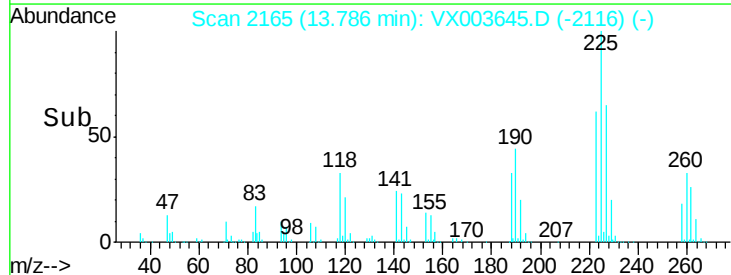
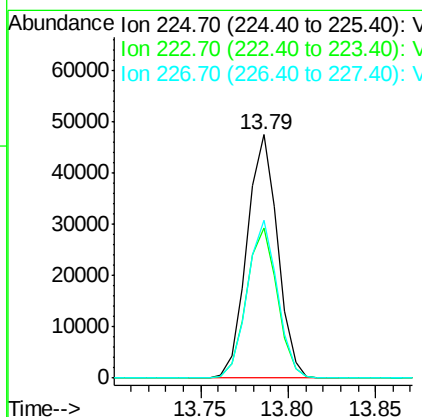
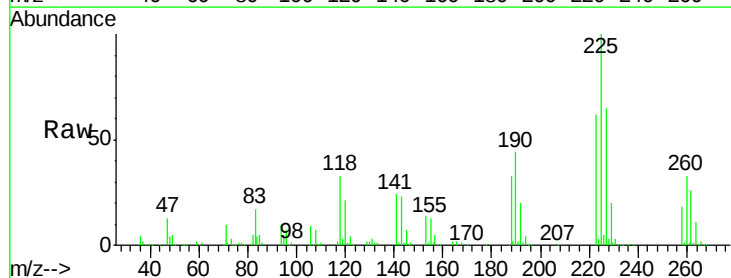
Manual Integrations  
 APPROVED

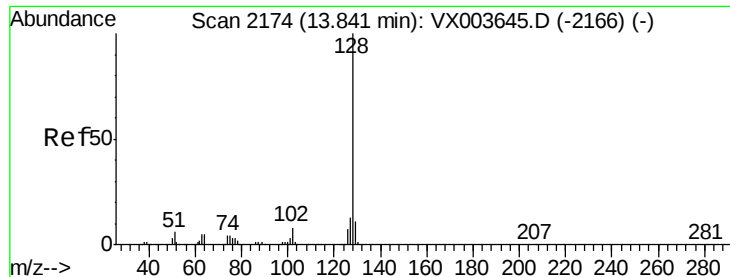
MMDadoda  
 8/2/2018 11:54:16 AM



#94  
 Hexachlorobutadiene  
 Concen: 44.961 ug/l  
 RT: 13.79 min Scan# 2165  
 Delta R.T. 0.00 min  
 Lab File: VX003645.D  
 Acq: 24 Jul 2018 17:35

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 57798 |       |       |
| 223     | 61.7  | 30.9  | 92.5  |       |
| 227     | 63.8  | 31.9  | 95.7  |       |





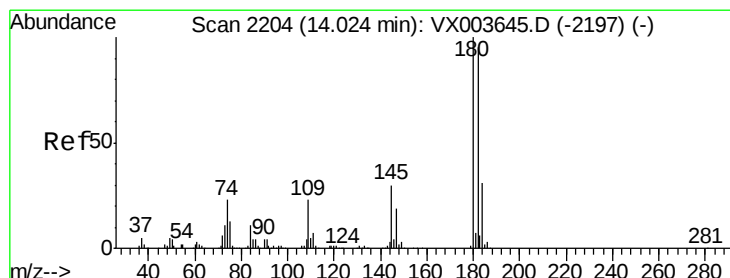
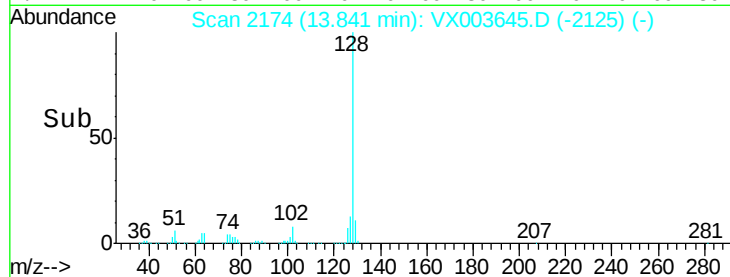
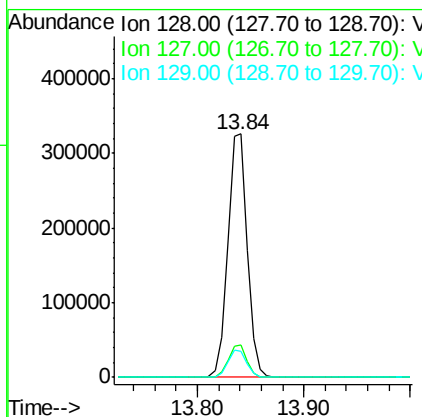
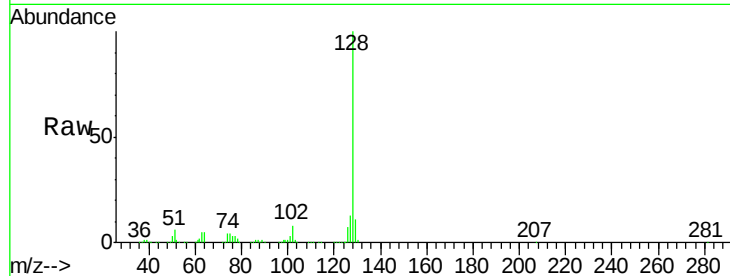
#95  
Naphthalene  
Concen: 56.983 ug/l  
RT: 13.84 min Scan# 2174  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.4  | 15.6  |
| 129     | 10.9  | 8.7   | 13.1  |

Manual Integrations  
APPROVED

MMDadoda  
8/2/2018 11:54:16 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 49.692 ug/l  
RT: 14.02 min Scan# 2204  
Delta R.T. 0.00 min  
Lab File: VX003645.D  
Acq: 24 Jul 2018 17:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 47.6  | 142.8 |
| 145     | 30.1  | 15.0  | 45.1  |

