

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\  
 Data File : VX008951.D  
 Acq On : 15 Apr 2019 10:22  
 Operator : JC/SP  
 Sample : VSTDIC005  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 4/16/2019 10:52:45 AM

Quant Time: Apr 16 01:52:45 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X041519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 16 01:38:37 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 239636   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 384492   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 340847   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 160174   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |      |        |      |
|---------------------------|--------|-----|----------|------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.06   | 65  | 17905    | 5.22 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 10.44% |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 12564    | 5.15 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 10.30% |      |
| 50) Toluene-d8            | 8.71   | 98  | 49746    | 5.12 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 10.24% |      |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 17048    | 4.95 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 9.90%  |      |

## Target Compounds

|                               |      |     |        |        | Qvalue   |
|-------------------------------|------|-----|--------|--------|----------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 11561  | 4.176  | ug/l 100 |
| 3) Chloromethane              | 1.33 | 50  | 16071  | 4.271  | ug/l 100 |
| 4) Vinyl Chloride             | 1.41 | 62  | 15833  | 4.336  | ug/l 99  |
| 5) Bromomethane               | 1.64 | 94  | 9803   | 4.863  | ug/l 97  |
| 6) Chloroethane               | 1.72 | 64  | 10149  | 4.182  | ug/l 98  |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 19042  | 4.694  | ug/l 99  |
| 8) Diethyl Ether              | 2.19 | 74  | 8930   | 4.677  | ug/l 98  |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 12513  | 4.816  | ug/l 99  |
| 10) Methyl Iodide             | 2.51 | 142 | 8698   | 3.940  | ug/l 99  |
| 11) Tert butyl alcohol        | 3.05 | 59  | 19064  | 23.888 | ug/l 96  |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 12789  | 4.702  | ug/l 97  |
| 13) Acrolein                  | 2.29 | 56  | 15654  | 34.230 | ug/l 98  |
| 14) Allyl chloride            | 2.73 | 41  | 27743  | 4.472  | ug/l 97  |
| 15) Acrylonitrile             | 3.14 | 53  | 47604  | 22.545 | ug/l 98  |
| 16) Acetone                   | 2.45 | 43  | 44059  | 22.636 | ug/l 99  |
| 17) Carbon Disulfide          | 2.57 | 76  | 35858  | 4.107  | ug/l 99  |
| 18) Methyl Acetate            | 2.78 | 43  | 23064  | 4.843  | ug/l 98  |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 45881  | 4.739  | ug/l 100 |
| 20) Methylene Chloride        | 2.86 | 84  | 15348  | 4.670  | ug/l 90  |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 13337  | 4.528  | ug/l 96  |
| 22) Diisopropyl ether         | 3.86 | 45  | 56872  | 4.767  | ug/l 93  |
| 23) Vinyl Acetate             | 3.82 | 43  | 236452 | 22.741 | ug/l 99  |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 28319  | 4.797  | ug/l 97  |
| 25) 2-Butanone                | 4.68 | 43  | 70474  | 22.796 | ug/l 97  |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 20386  | 4.865  | ug/l 98  |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 15600  | 4.625  | ug/l 98  |
| 28) Bromochloromethane        | 5.02 | 49  | 12991  | 4.674  | ug/l 96  |
| 29) Tetrahydrofuran           | 5.13 | 42  | 46590  | 22.625 | ug/l 99  |
| 30) Chloroform                | 5.21 | 83  | 24949  | 4.723  | ug/l 97  |
| 31) Cyclohexane               | 5.58 | 56  | 27493  | 4.645  | ug/l 97  |
| 32) 1,1,1-Trichloroethane     | 5.50 | 97  | 20290  | 4.741  | ug/l 97  |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 20086  | 4.858  | ug/l 99  |
| 37) Ethyl Acetate             | 4.84 | 43  | 27093  | 4.929  | ug/l 96  |
| 38) Carbon Tetrachloride      | 5.79 | 117 | 16799  | 4.899  | ug/l 99  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\  
 Data File : VX008951.D  
 Acq On : 15 Apr 2019 10:22  
 Operator : JC/SP  
 Sample : VSTDIC005  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 4/16/2019 10:52:45 AM

Quant Time: Apr 16 01:52:45 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X041519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 16 01:38:37 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 24862    | 4.862  | ug/l   | 98       |
| 40) Benzene                    | 6.14  | 78   | 60057    | 4.877  | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.05  | 41   | 14860    | 4.688  | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 6.19  | 62   | 20980    | 4.754  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 6.45  | 43   | 41821    | 4.847  | ug/l   | 98       |
| 44) Trichloroethene            | 7.21  | 130  | 14655    | 5.083  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 16779    | 4.790  | ug/l   | 97       |
| 46) Dibromomethane             | 7.66  | 93   | 9558     | 4.689  | ug/l   | 98       |
| 47) Bromodichloromethane       | 7.90  | 83   | 18078    | 4.703  | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.77  | 41   | 20838    | 4.786  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 7.74  | 88   | 7898     | 97.507 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 137818   | 24.858 | ug/l   | 100      |
| 52) Toluene                    | 8.78  | 92   | 36410    | 5.016  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 20373    | 4.711  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 23456    | 4.761  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 14899    | 5.110  | ug/l   | 95       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 25619    | 4.873  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 26398    | 5.053  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 68640    | 25.323 | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.49  | 43   | 105608   | 24.498 | ug/l   | 100      |
| 60) Dibromochloromethane       | 9.58  | 129  | 13062    | 4.745  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 14795    | 4.876  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 13831    | 5.501  | ug/l   | 94       |
| 65) Chlorobenzene              | 10.13 | 112  | 37676    | 5.074  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 12906    | 4.956  | ug/l   | 100      |
| 67) Ethyl Benzene              | 10.25 | 91   | 67429    | 4.883  | ug/l   | 98       |
| 68) m/p-Xylenes                | 10.36 | 106  | 49918    | 10.040 | ug/l   | 98       |
| 69) o-Xylene                   | 10.69 | 106  | 23943    | 4.968  | ug/l   | 100      |
| 70) Styrene                    | 10.71 | 104  | 40711    | 4.900  | ug/l   | 99       |
| 71) Bromoform                  | 10.85 | 173  | 9466     | 4.736  | ug/l # | 100      |
| 73) Isopropylbenzene           | 11.02 | 105  | 64228    | 4.953  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.90 | 43   | 35049    | 4.597  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 22978    | 4.672  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 20637m   | 4.804  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 15645    | 4.991  | ug/l   | 98       |
| 78) n-propylbenzene            | 11.36 | 91   | 72714    | 4.818  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 43919    | 4.811  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 53032    | 4.880  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 6772     | 4.309  | ug/l # | 81       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 50074    | 4.737  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 50516    | 4.826  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 54551    | 4.955  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.94 | 105  | 61616    | 4.955  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 56275    | 5.027  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 27355    | 4.877  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 27916    | 4.907  | ug/l   | 95       |
| 89) n-Butylbenzene             | 12.38 | 91   | 51450    | 4.906  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.60 | 117  | 8697     | 4.679  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 27428    | 4.925  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 4916     | 4.530  | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041519\  
Data File : VX008951.D  
Acq On : 15 Apr 2019 10:22  
Operator : JC/SP  
Sample : VSTDICC005  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Manual Integrations  
APPROVED

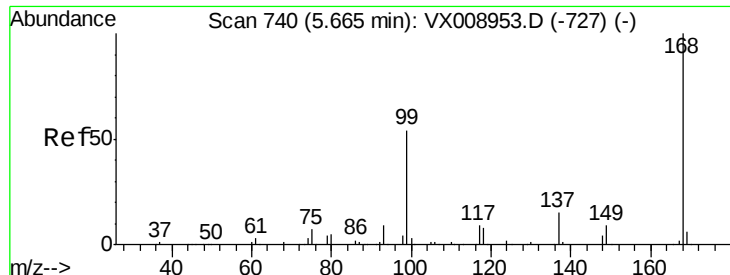
MMDadoda  
4/16/2019 10:52:45 AM

Quant Time: Apr 16 01:52:45 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X041519W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 16 01:38:37 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 18991    | 4.863 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 10095    | 5.394 | ug/l  | 98       |
| 95) Naphthalene            | 13.83 | 128  | 59479    | 4.600 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 19387    | 4.979 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 239636

Ion Ratio Lower Upper

168 100

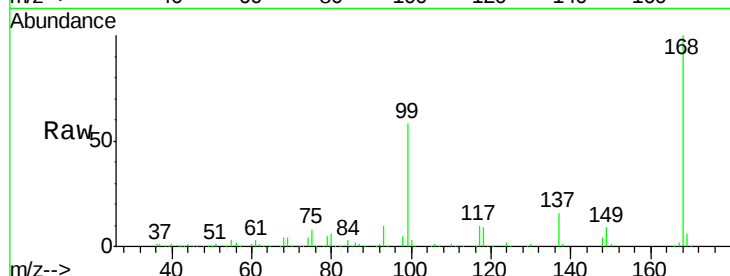
99 57.6 43.0 64.6

Manual Integrations

APPROVED

MMDadoda

4/16/2019 10:52:45 AM

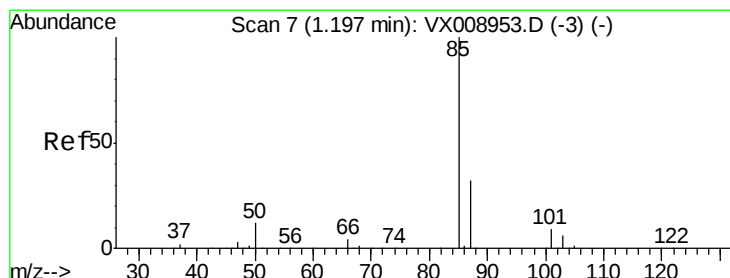
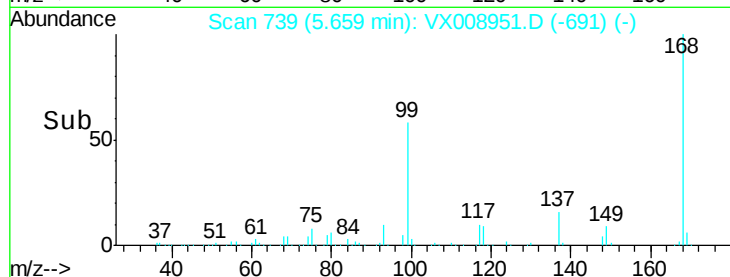


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 4.176 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008951.D

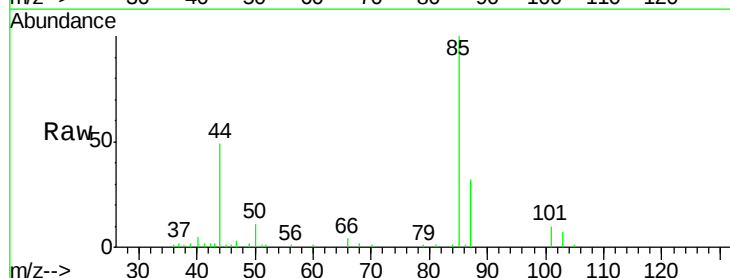
Acq: 15 Apr 2019 10:22

Tgt Ion: 85 Resp: 11561

Ion Ratio Lower Upper

85 100

87 32.0 16.0 47.9

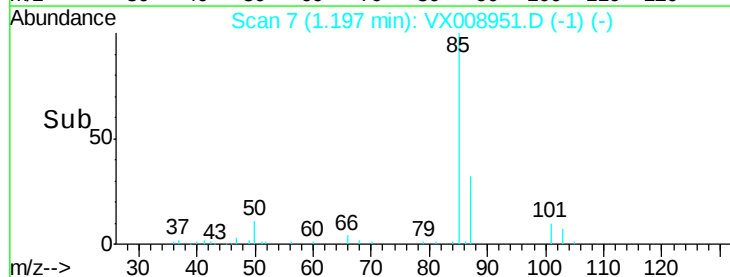


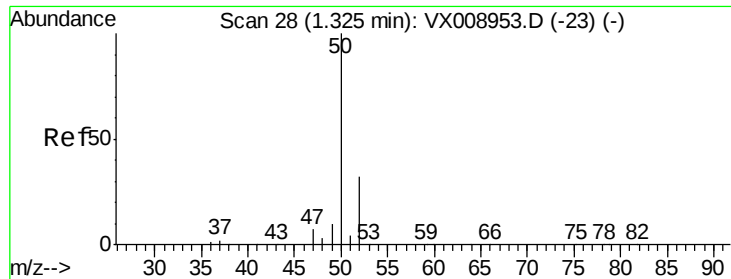
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 4.271 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 16071

Ion Ratio Lower Upper

50 100

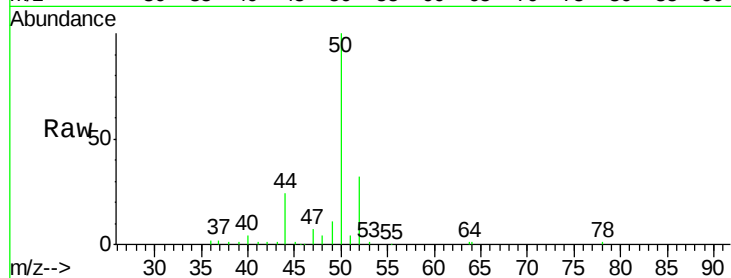
52 31.7 25.5 38.3

Manual Integrations

APPROVED

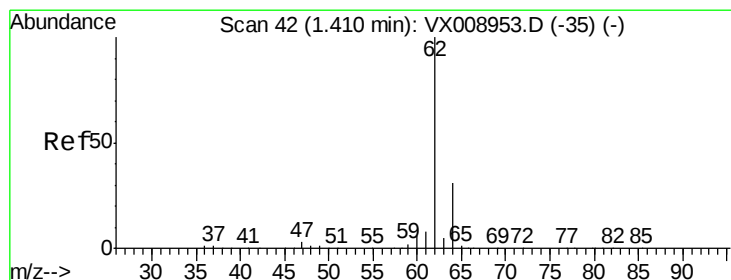
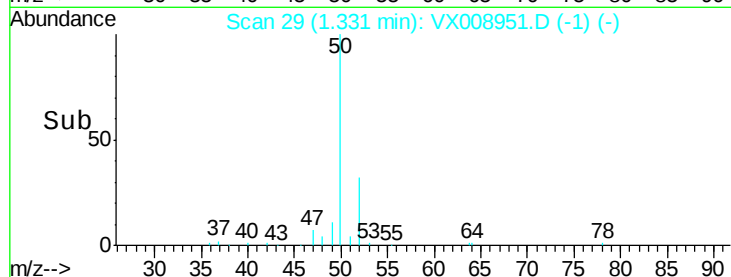
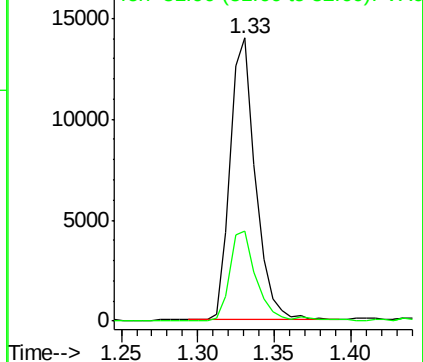
MMDadoda

4/16/2019 10:52:45 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 4.336 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008951.D

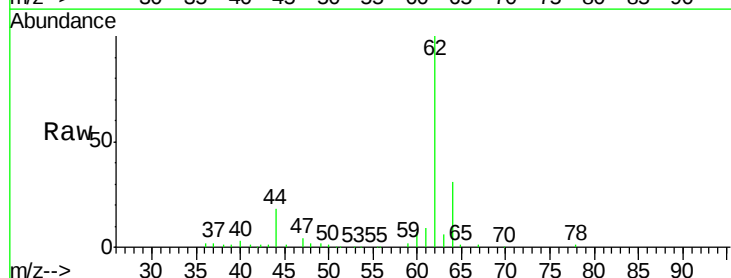
Acq: 15 Apr 2019 10:22

Tgt Ion: 62 Resp: 15833

Ion Ratio Lower Upper

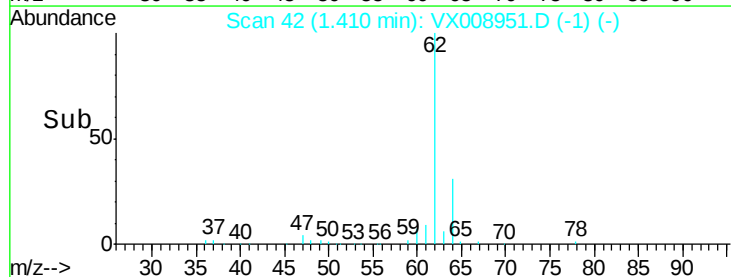
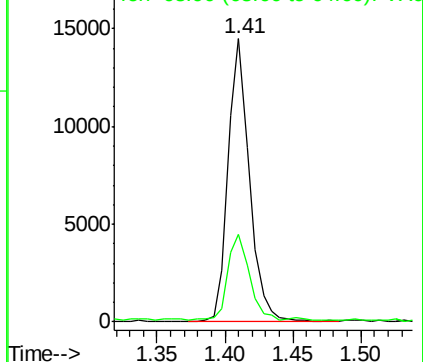
62 100

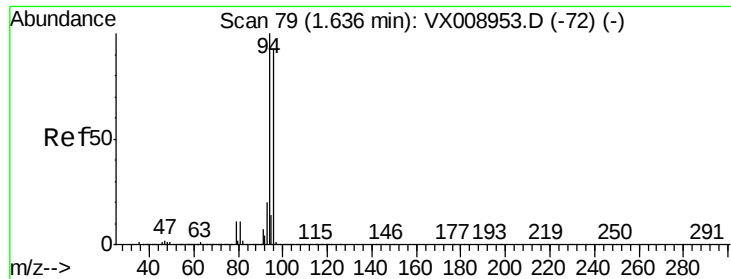
64 30.5 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 4.863 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 9803

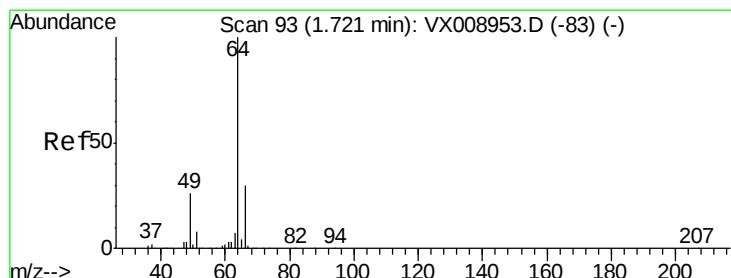
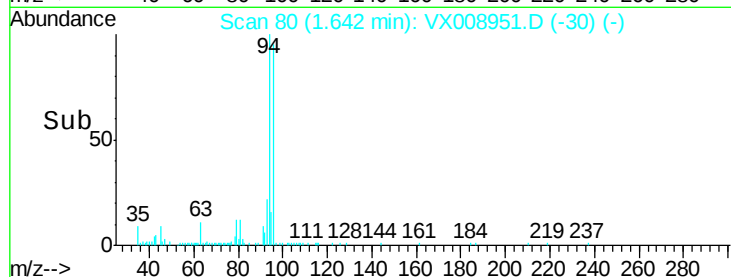
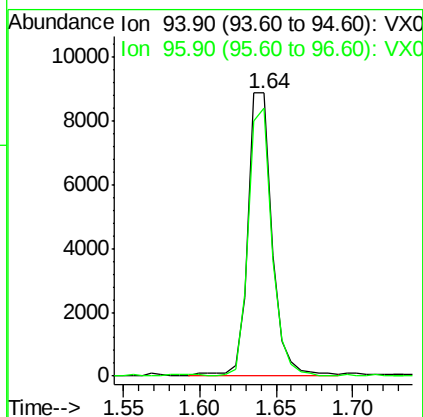
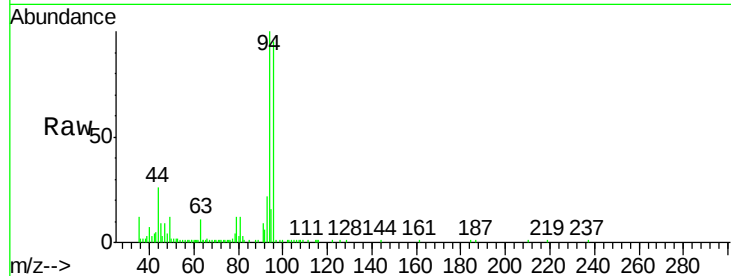
Ion Ratio Lower Upper

94 100

96 94.8 73.9 110.9

Manual Integrations  
APPROVED

MMDadoda  
4/16/2019 10:52:45 AM



#6

Chloroethane

Concen: 4.182 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX008951.D

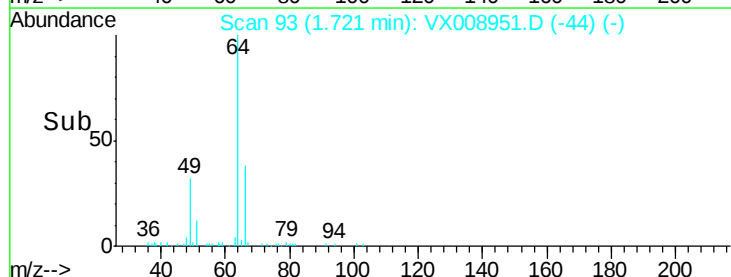
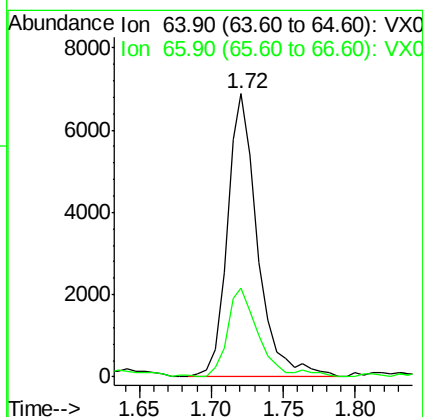
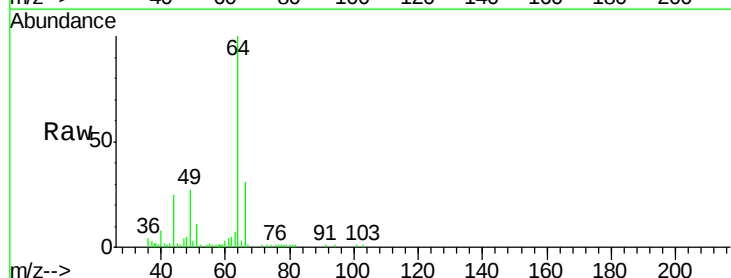
Acq: 15 Apr 2019 10:22

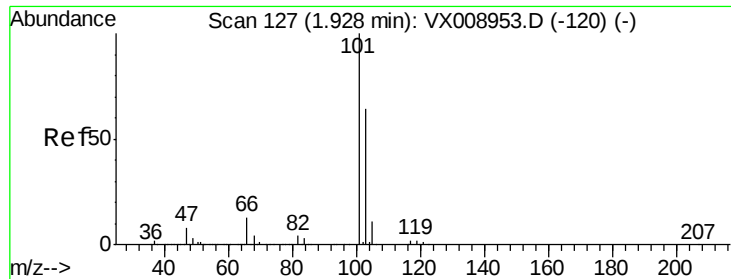
Tgt Ion: 64 Resp: 10149

Ion Ratio Lower Upper

64 100

66 31.3 24.2 36.2





#7

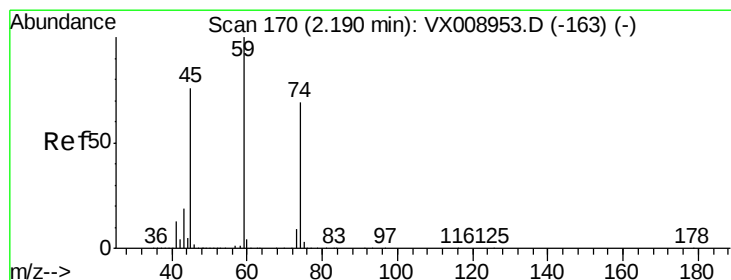
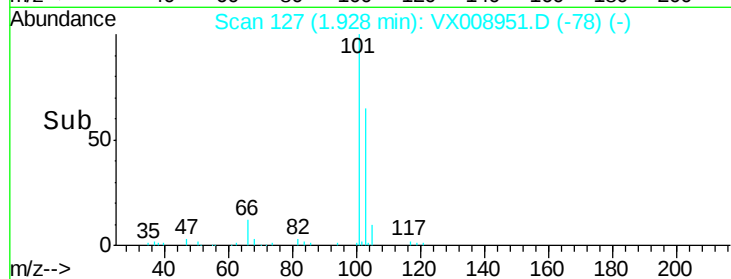
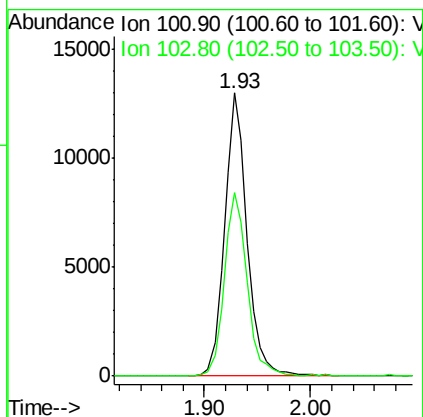
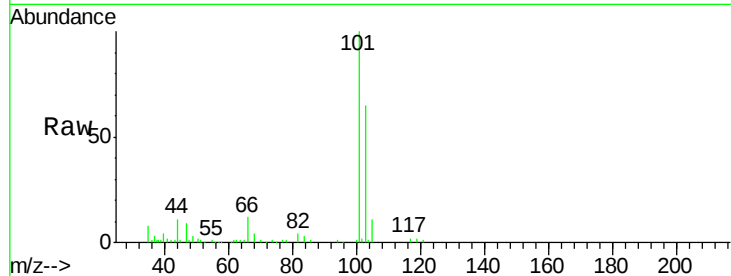
Trichlorofluoromethane  
Concen: 4.694 ug/l  
RT: 1.93 min Scan# 127  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.8  | 51.0  | 76.6  |

Manual Integrations  
APPROVED

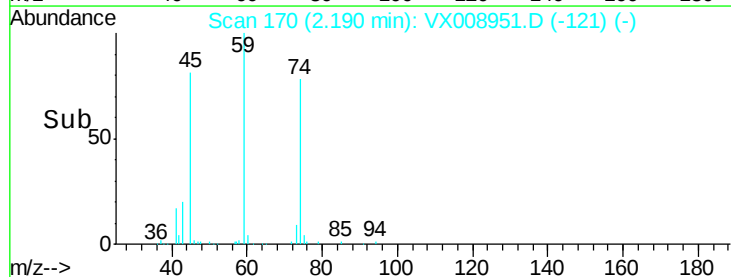
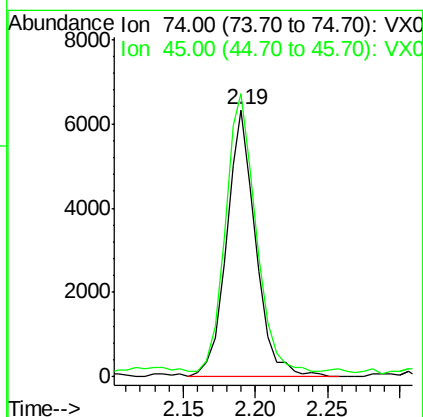
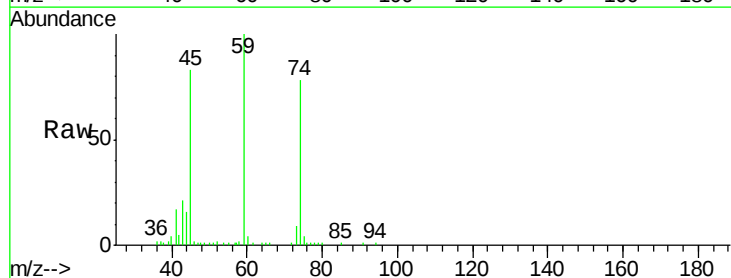
MMDadoda  
4/16/2019 10:52:45 AM

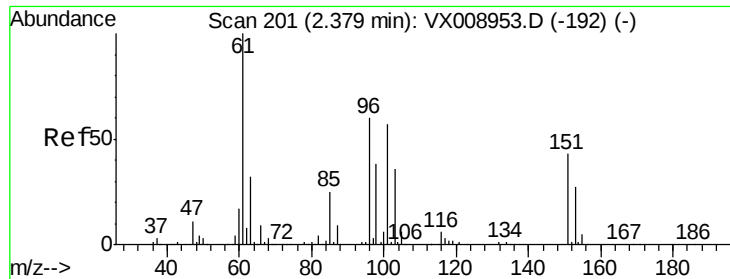


#8

Diethyl Ether  
Concen: 4.677 ug/l  
RT: 2.19 min Scan# 170  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 107.3 | 54.9  | 164.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.816 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

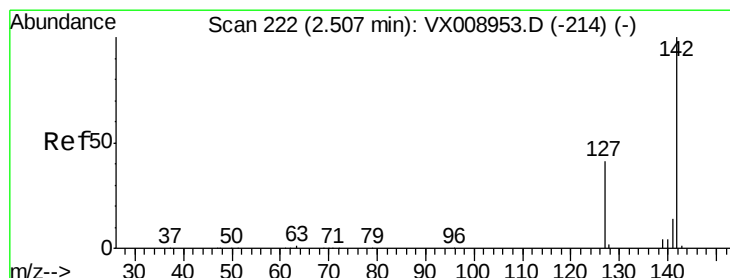
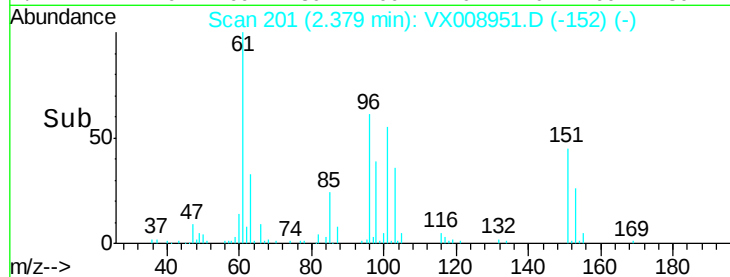
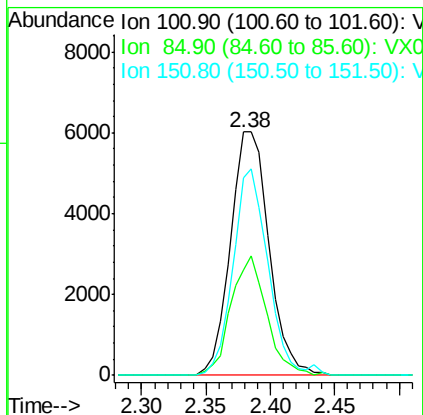
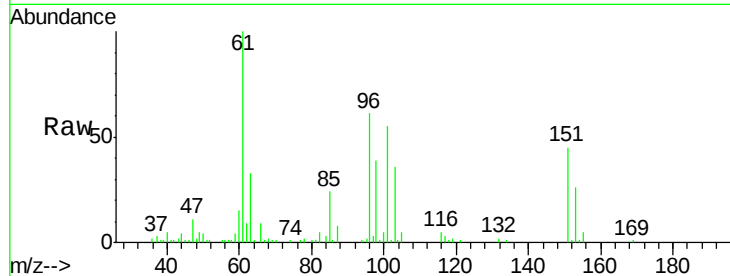
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 12513 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.5  | 35.7  | 53.5  |
| 151       | 77.4  | 62.7  | 94.1  |

Manual Integrations  
APPROVED

MMDadoda  
4/16/2019 10:52:45 AM



#10

Methyl Iodide

Concen: 3.940 ug/l

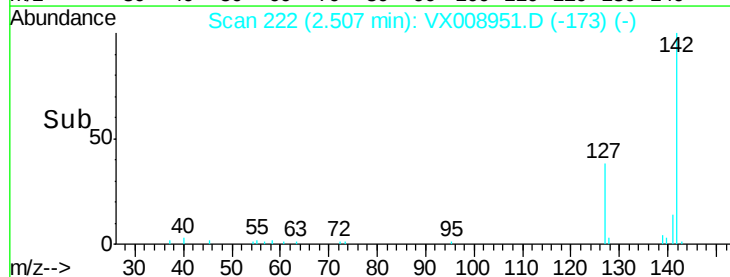
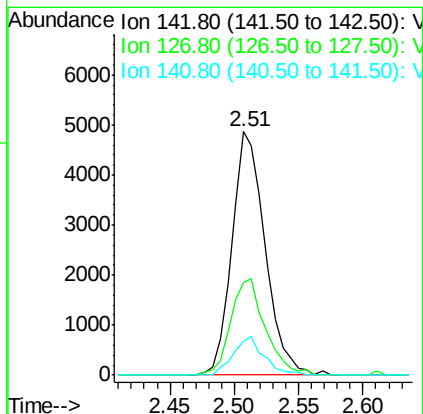
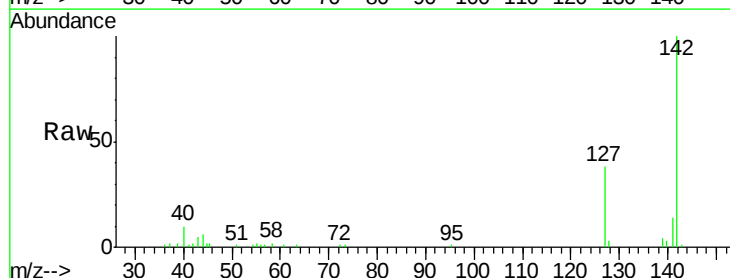
RT: 2.51 min Scan# 222

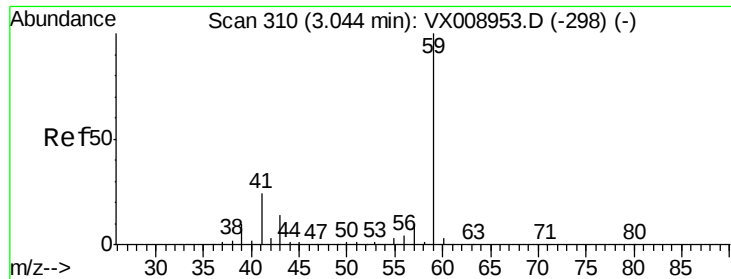
Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 142   | Resp: | 8698 |
| Ion Ratio | Lower | Upper |      |
| 142       | 100   |       |      |
| 127       | 41.4  | 32.8  | 49.2 |
| 141       | 14.8  | 11.4  | 17.2 |





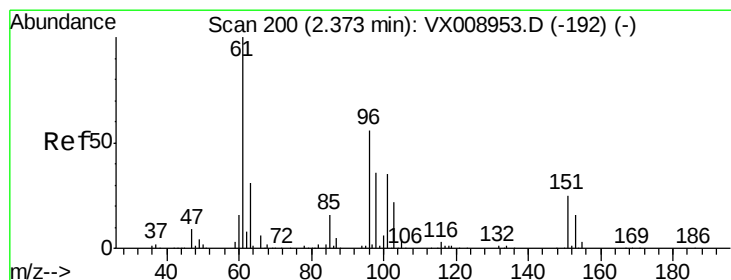
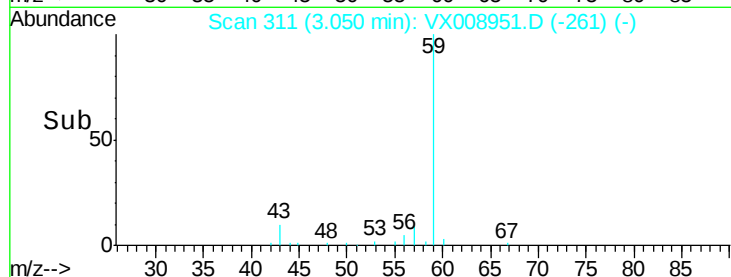
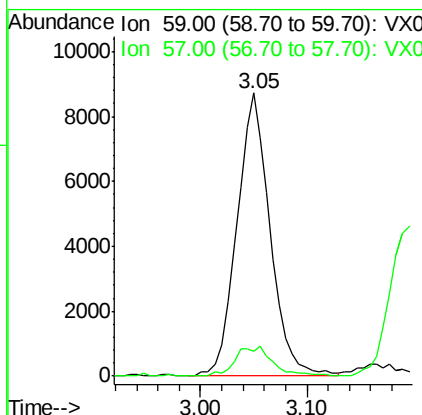
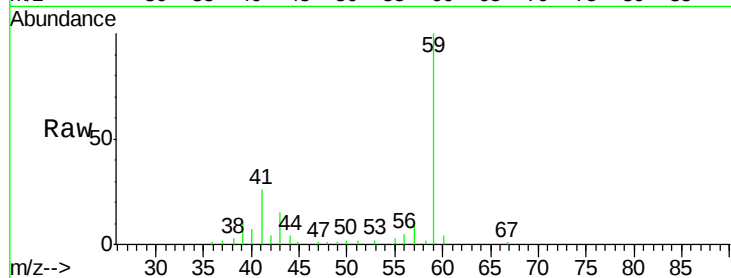
#11  
Tert butyl alcohol  
Concen: 23.888 ug/l  
RT: 3.05 min Scan# 311  
Delta R.T. 0.01 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tot Ion: 59 Resp: 19064  
Ion Ratio Lower Upper  
59 100  
57 11.8 8.4 12.6

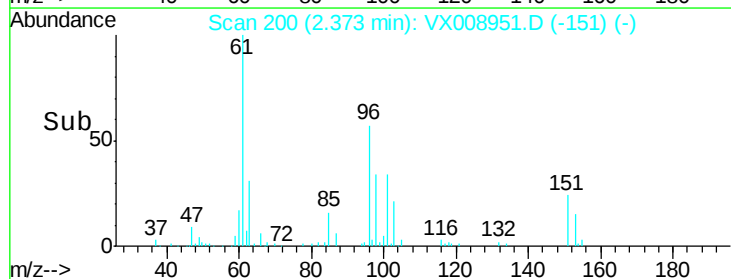
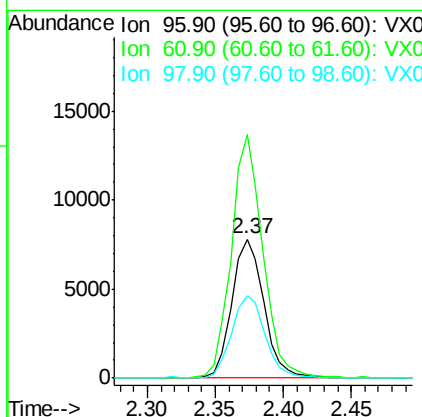
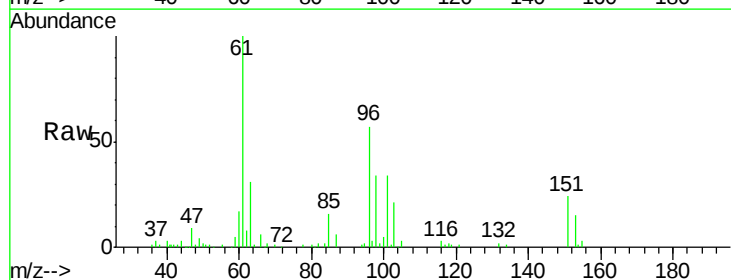
Manual Integrations  
APPROVED

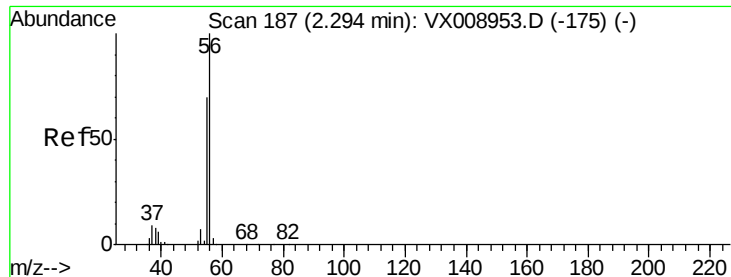
MMDadoda  
4/16/2019 10:52:45 AM



#12  
1,1-Dichloroethene  
Concen: 4.702 ug/l  
RT: 2.37 min Scan# 200  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Tgt Ion: 96 Resp: 12789  
Ion Ratio Lower Upper  
96 100  
61 174.5 142.2 213.2  
98 59.0 50.9 76.3





#13

Acrolein

Concen: 34.230 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 15654

Ion Ratio Lower Upper

56 100

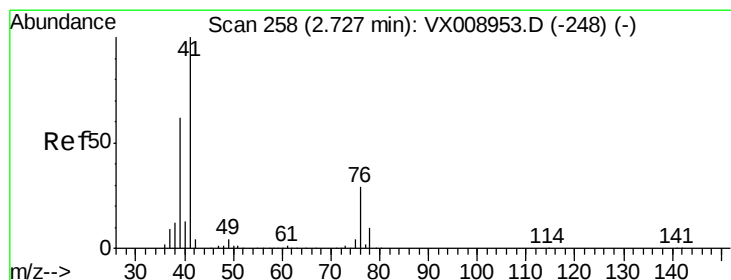
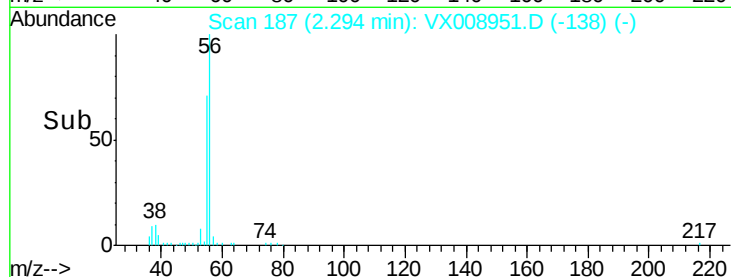
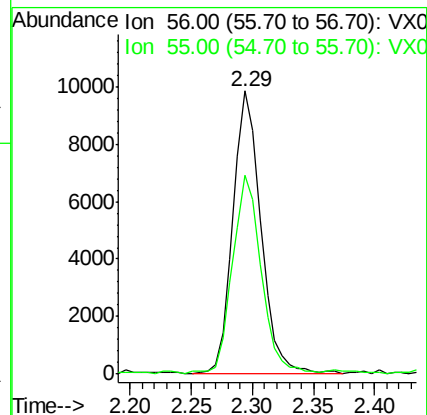
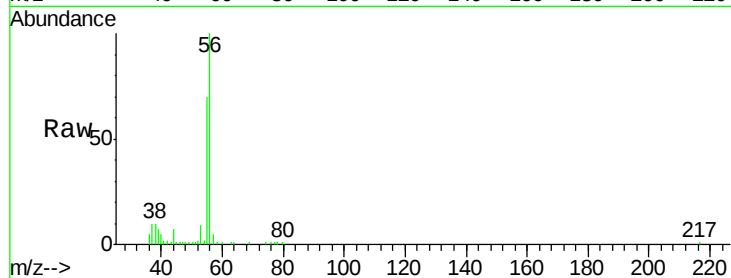
55 72.6 56.6 84.8

Manual Integrations

APPROVED

MMDadoda

4/16/2019 10:52:45 AM



#14

Allyl chloride

Concen: 4.472 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

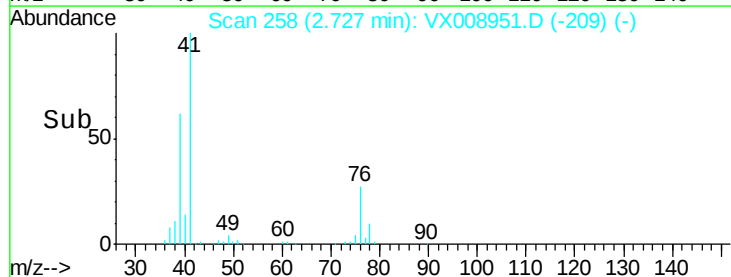
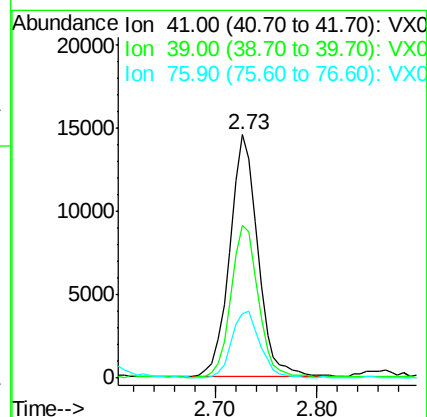
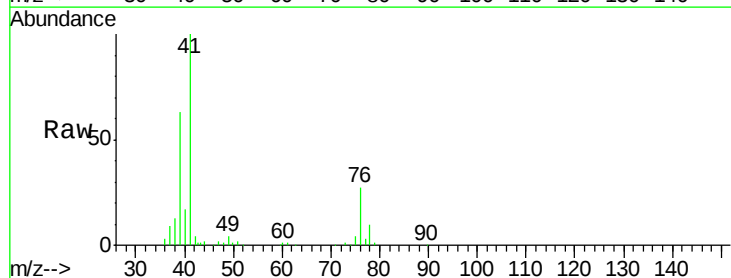
Tgt Ion: 41 Resp: 27743

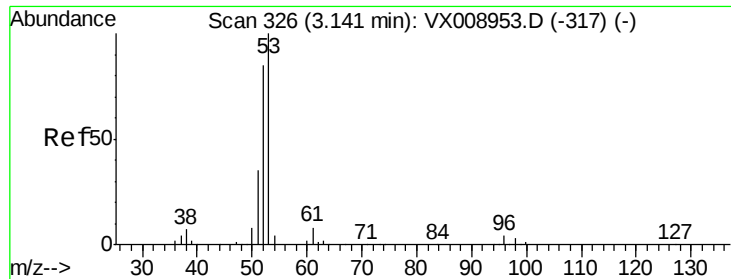
Ion Ratio Lower Upper

41 100

39 62.0 46.7 70.1

76 27.7 22.0 33.0





#15

Acrylonitrile

Concen: 22.545 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

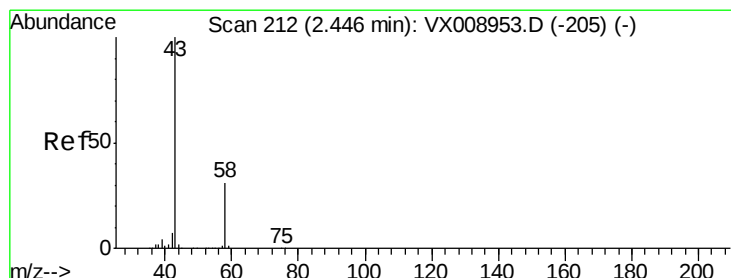
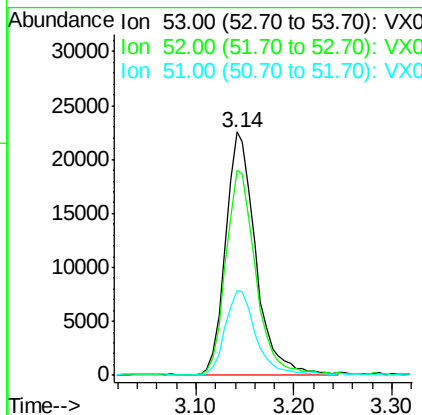
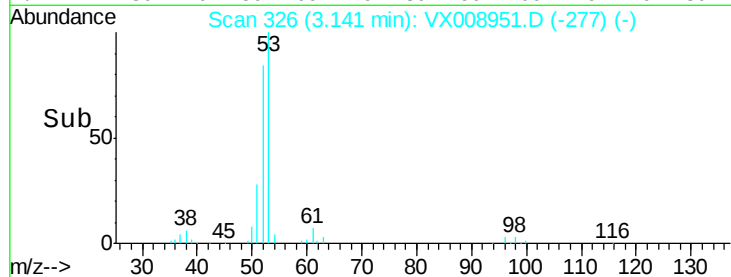
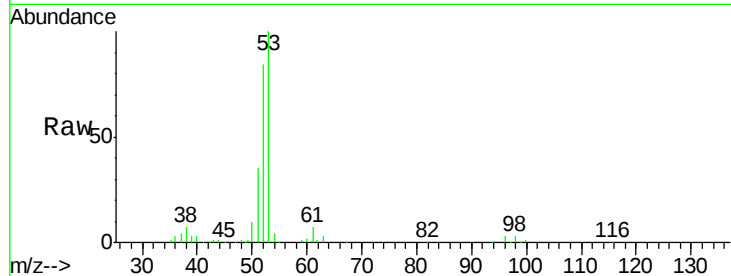
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 47604 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 85.5  | 66.6  | 100.0 |
| 51       | 36.6  | 28.3  | 42.5  |

Manual Integrations  
APPROVED

MMDadoda  
4/16/2019 10:52:45 AM



#16

Acetone

Concen: 22.636 ug/l

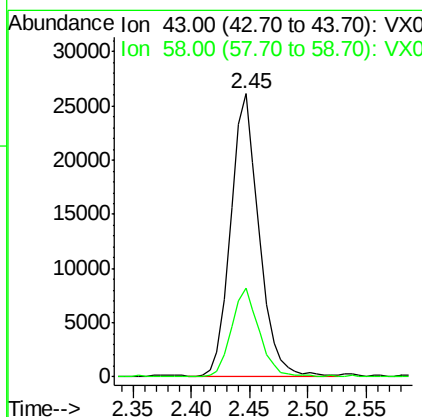
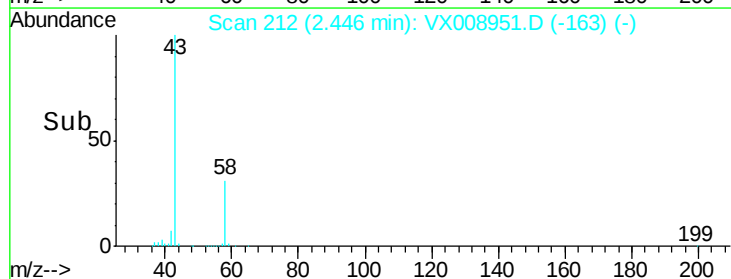
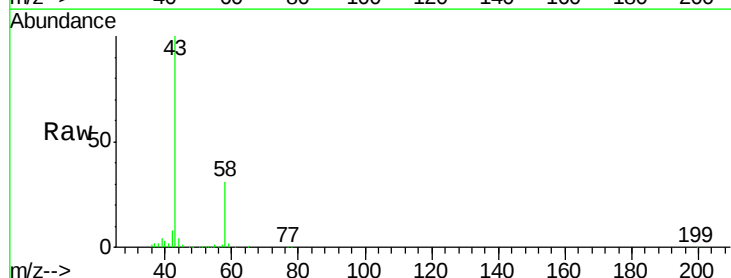
RT: 2.45 min Scan# 212

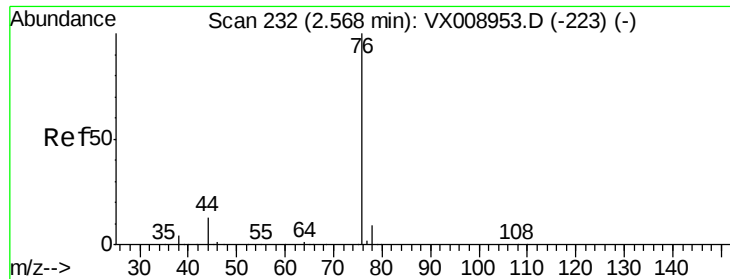
Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 44059 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 31.3  | 24.8  | 37.2  |





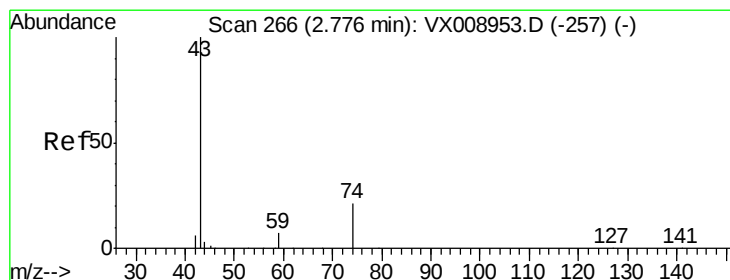
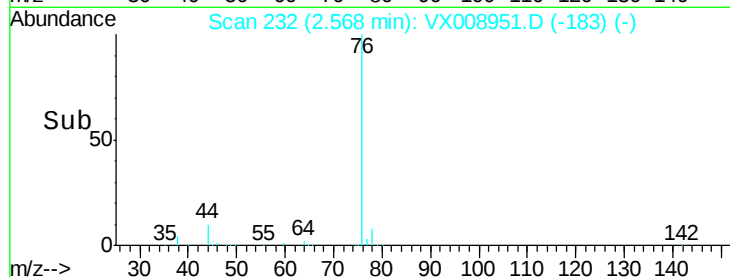
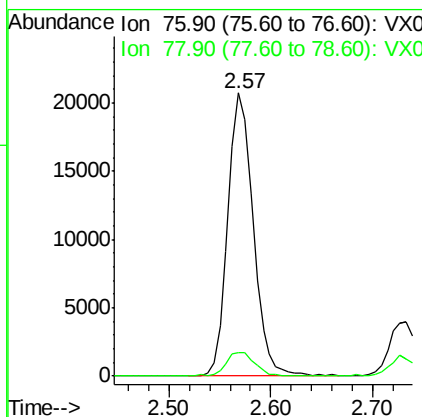
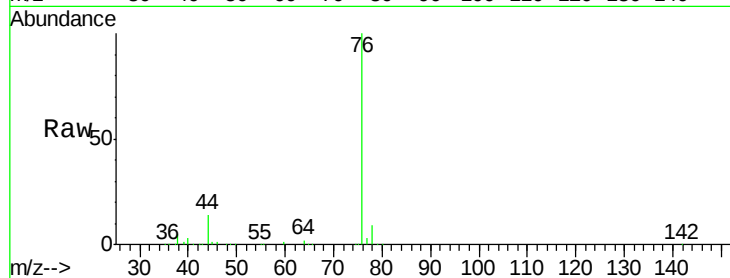
#17  
Carbon Disulfide  
Concen: 4.107 ug/l  
RT: 2.57 min Scan# 232  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.5   | 7.2   | 10.8  |

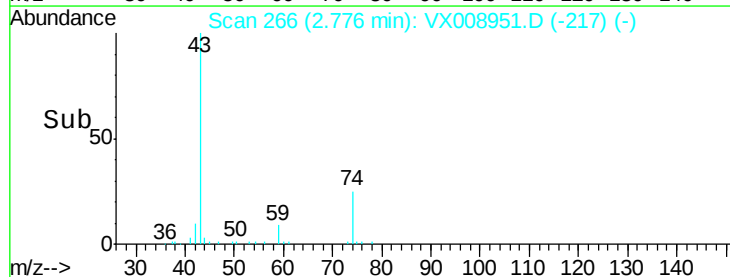
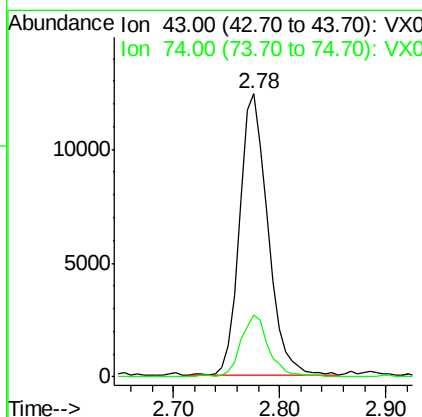
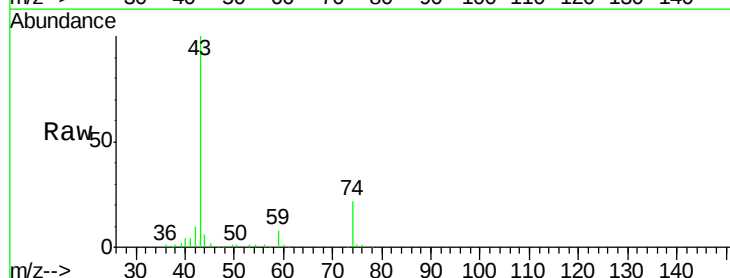
Manual Integrations  
APPROVED

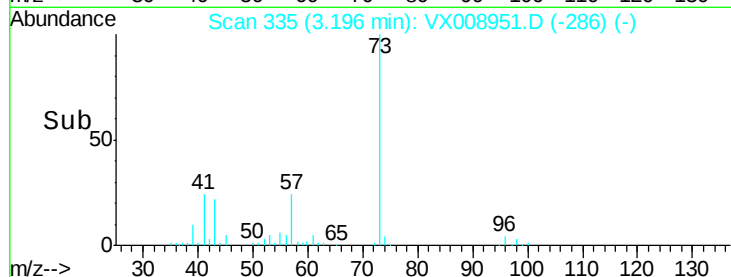
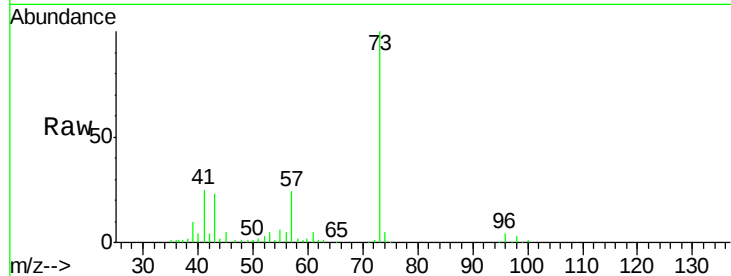
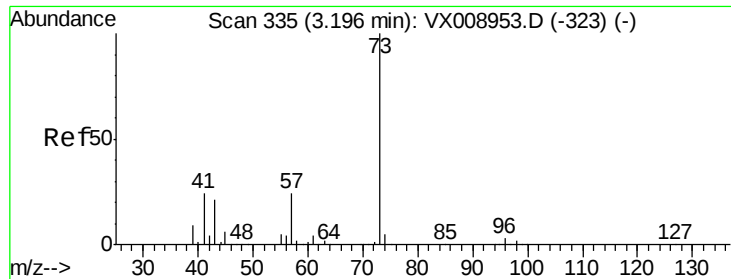
MMDadoda  
4/16/2019 10:52:45 AM



#18  
Methyl Acetate  
Concen: 4.843 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 21.9  | 16.6  | 25.0  |





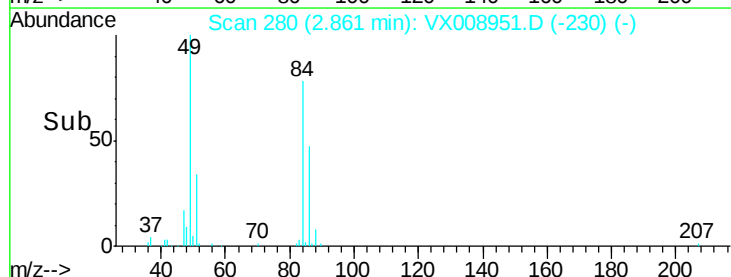
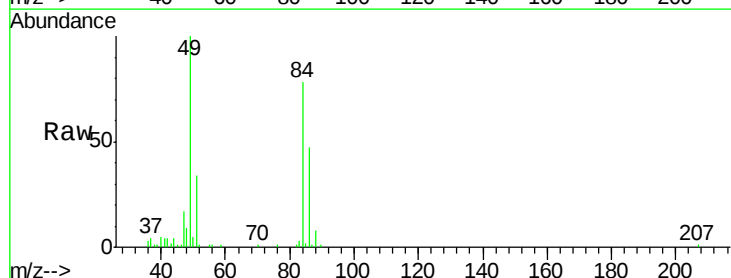
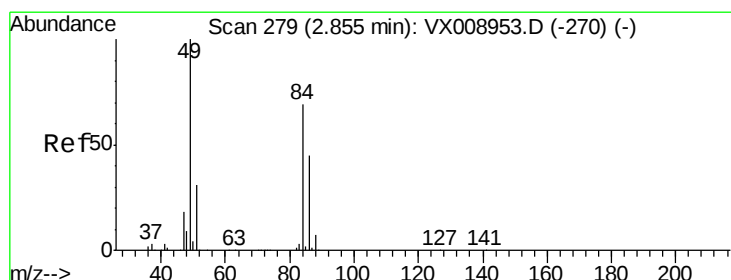
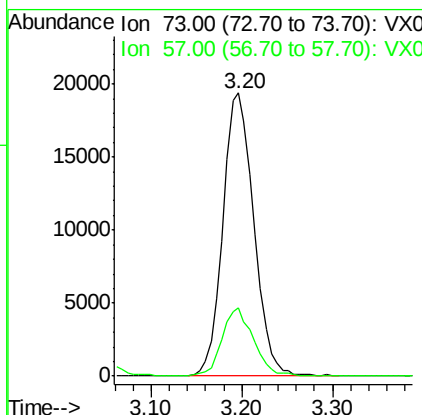
#19  
Methvl tert-butvl Ether  
Concen: 4.739 ug/l  
RT: 3.20 min Scan# 335  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Tot Ion: 73 Resp: 45881  
Ion Ratio Lower Upper  
73 100  
57 23.9 19.2 28.8

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

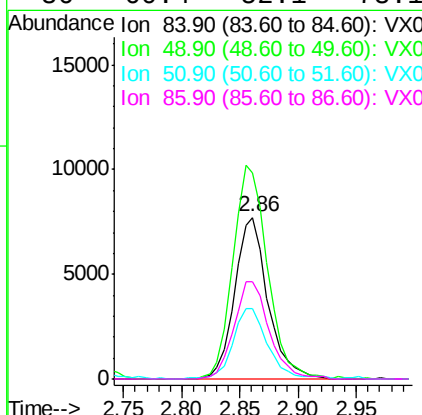
Manual Integrations  
APPROVED

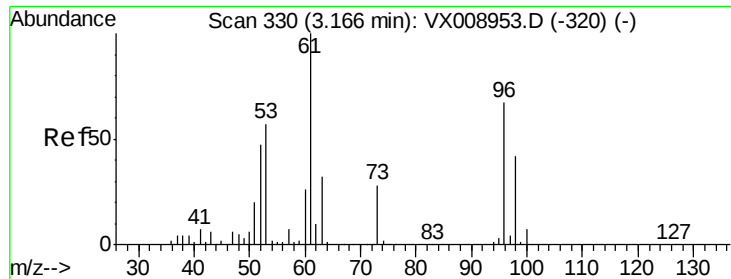
MMDadoda  
4/16/2019 10:52:45 AM



#20  
Methylene Chloride  
Concen: 4.670 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.01 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Tgt Ion: 84 Resp: 15348  
Ion Ratio Lower Upper  
84 100  
49 127.5 115.4 173.0  
51 43.4 35.8 53.6  
86 60.4 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 4.528 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

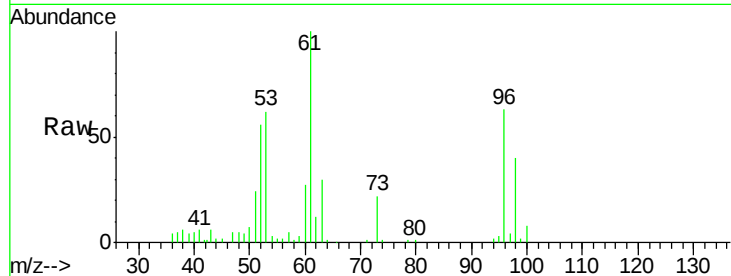
ClientSampled :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 13337 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 157.5 | 120.3 | 180.5 |
| 98       | 62.9  | 50.2  | 75.2  |

Manual Integrations  
APPROVED

MMDadoda  
4/16/2019 10:52:45 AM

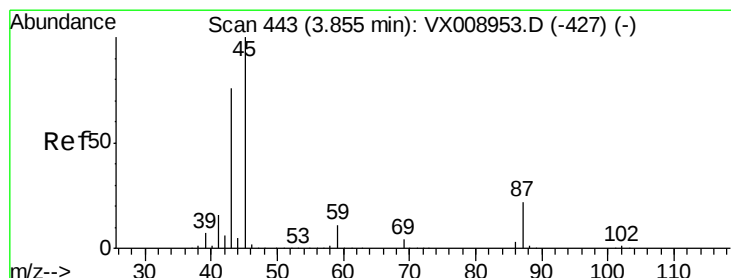
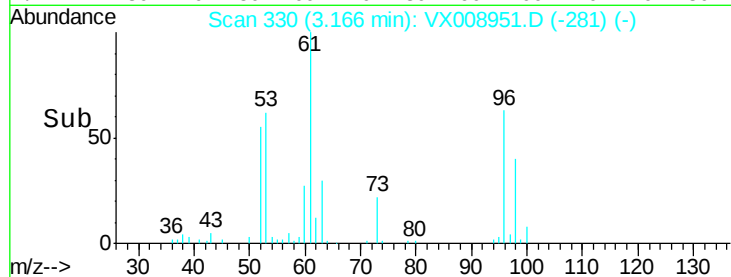
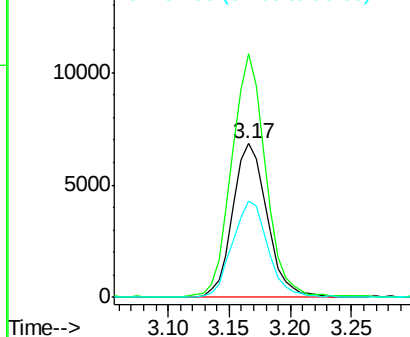


Abundance

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: 4.767 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 56872 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 67.9  | 60.6  | 91.0  |
| 87       | 23.6  | 17.8  | 26.8  |
| 59       | 11.6  | 8.7   | 13.1  |

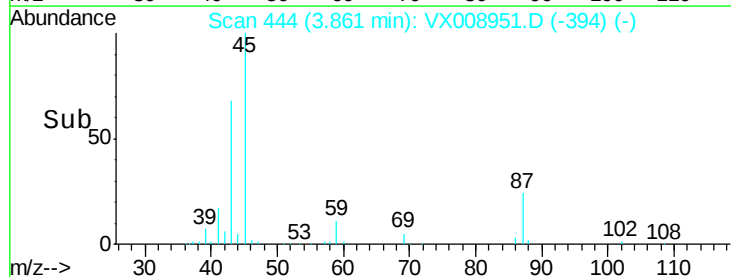
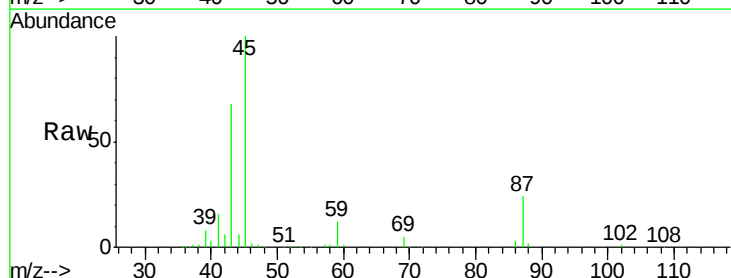
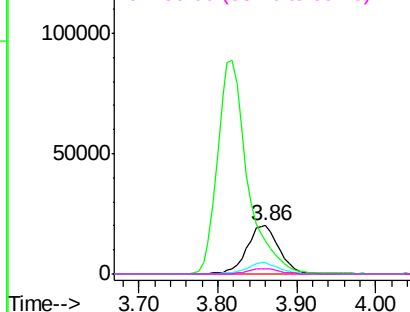
Abundance

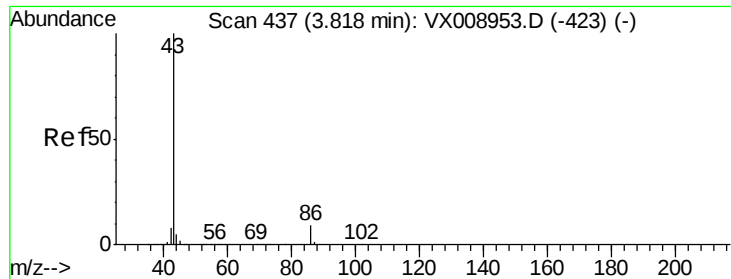
Ion 45.00 (44.70 to 45.70): VX0

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: 22.741 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 236452

Ion Ratio Lower Upper

43 100

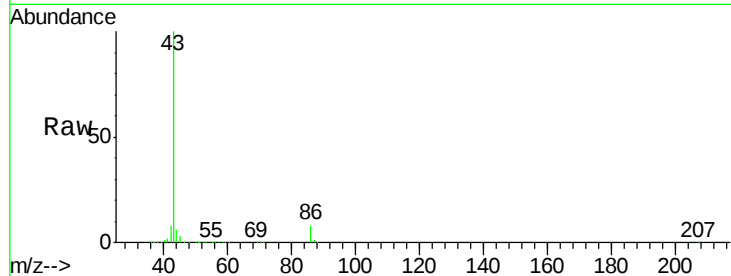
86 8.5 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

4/16/2019 10:52:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

100000

80000

60000

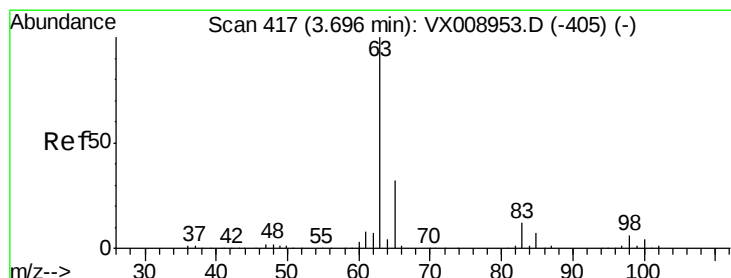
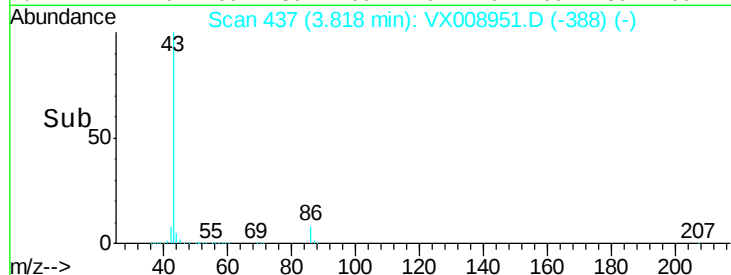
40000

20000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 4.797 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

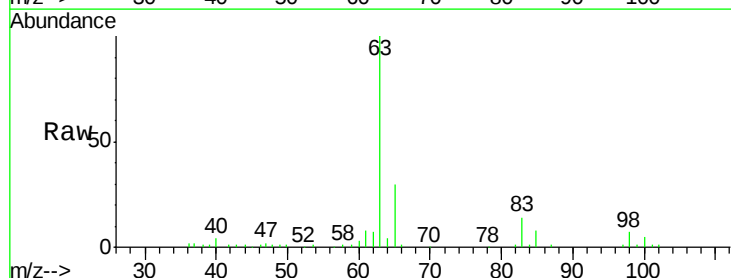
Tgt Ion: 63 Resp: 28319

Ion Ratio Lower Upper

63 100

98 7.2 3.1 9.3

100 5.1 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

15000

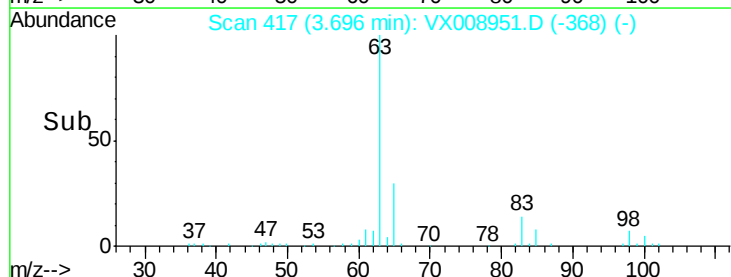
10000

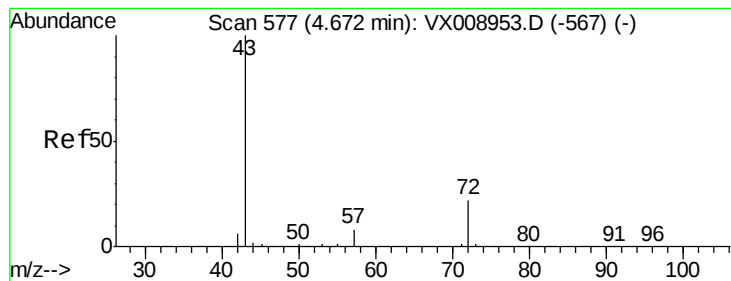
5000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 22.796 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 70474

Ion Ratio Lower Upper

43 100

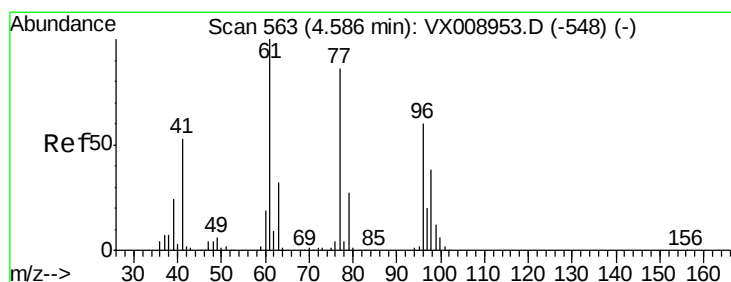
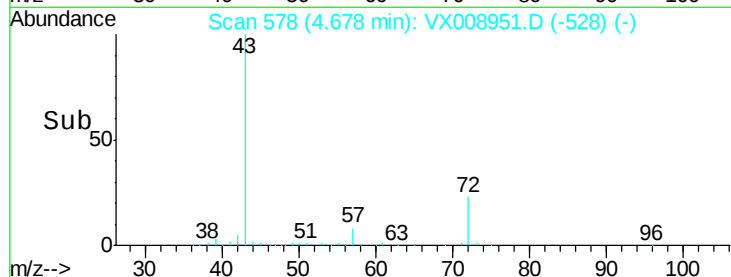
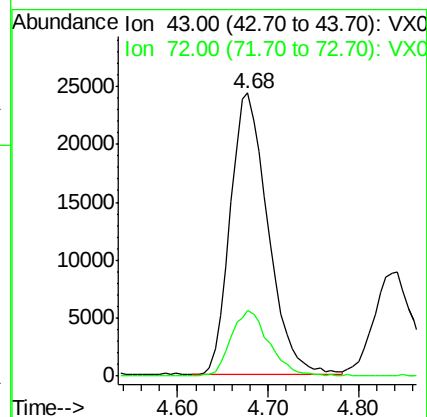
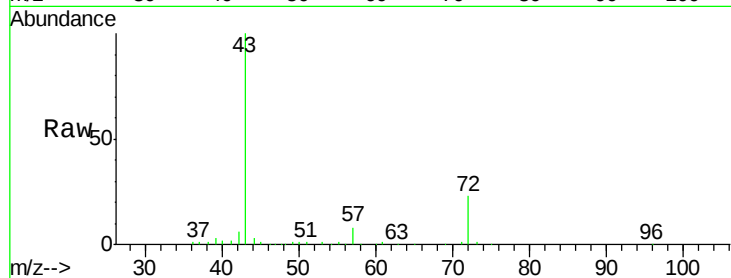
72 23.4 17.5 26.3

Manual Integrations

APPROVED

MMDadoda

4/16/2019 10:52:45 AM



#26

2,2-Dichloropropane

Concen: 4.865 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008951.D

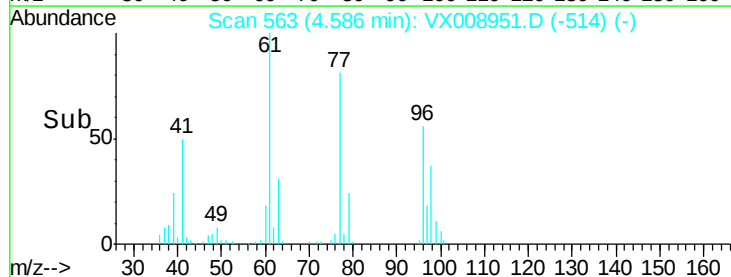
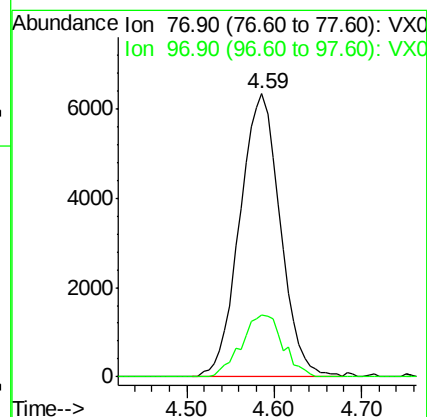
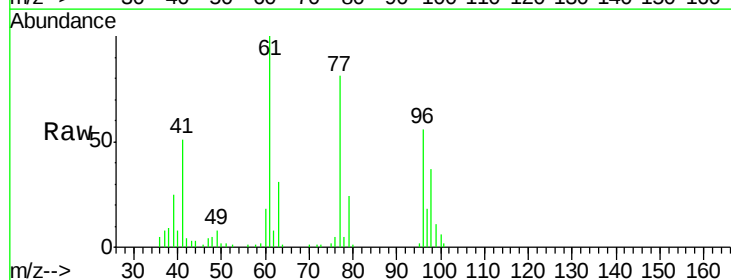
Acq: 15 Apr 2019 10:22

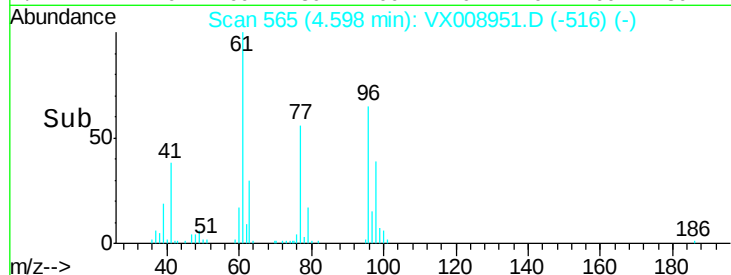
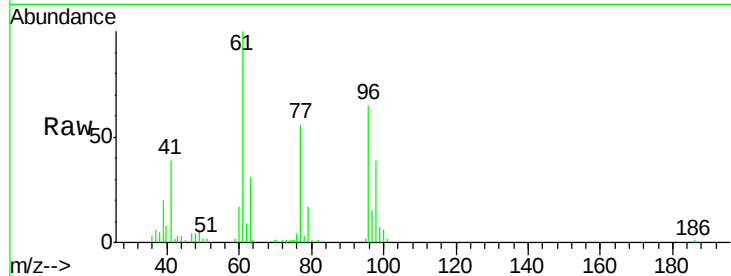
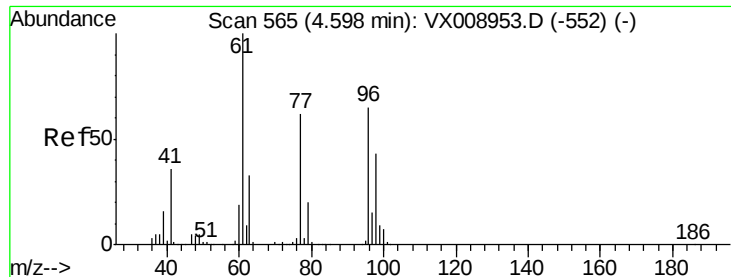
Tgt Ion: 77 Resp: 20386

Ion Ratio Lower Upper

77 100

97 22.3 11.7 35.0





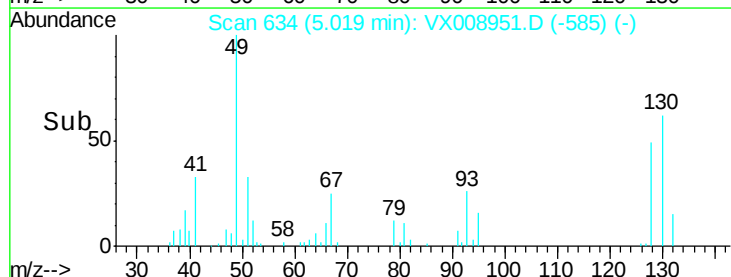
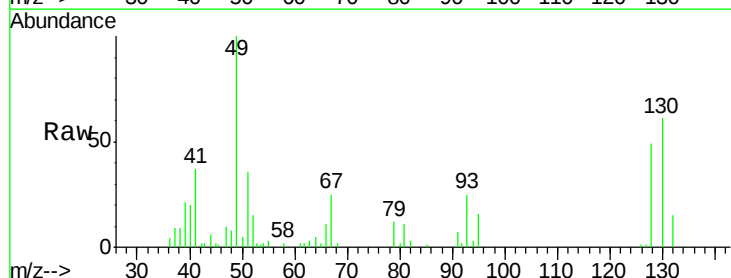
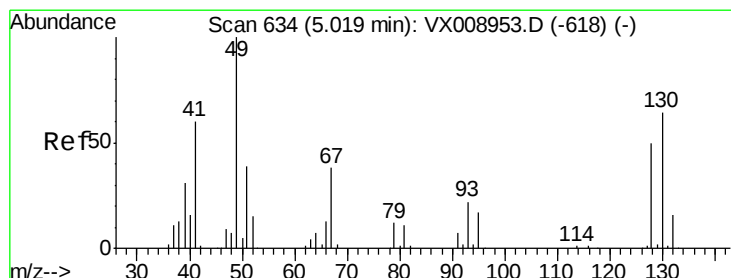
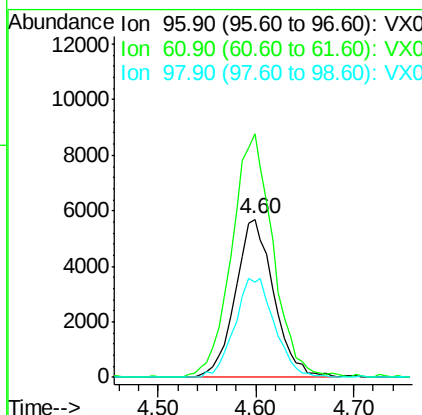
#27  
 cis-1,2-Dichloroethene  
 Concen: 4.625 ug/l  
 RT: 4.60 min Scan# 565  
 Delta R.T. -0.00 min  
 Lab File: VX008951.D  
 Acq: 15 Apr 2019 10:22

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 15600 |       |       |
| 61      | 164.4 | 0.0   | 322.0 |       |
| 98      | 64.5  | 0.0   | 128.4 |       |

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

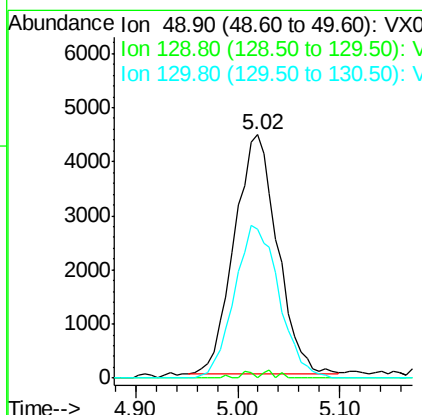
Manual Integrations  
 APPROVED

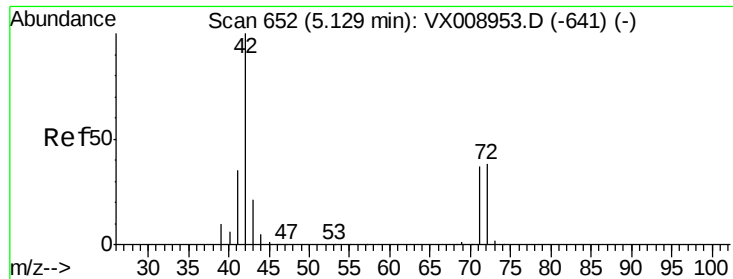
MMDadoda  
 4/16/2019 10:52:45 AM



#28  
 Bromochloromethane  
 Concen: 4.674 ug/l  
 RT: 5.02 min Scan# 634  
 Delta R.T. -0.00 min  
 Lab File: VX008951.D  
 Acq: 15 Apr 2019 10:22

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 12991 |       |       |
| 129     | 0.7   | 0.0   | 3.6   |       |
| 130     | 66.1  | 50.4  | 75.6  |       |





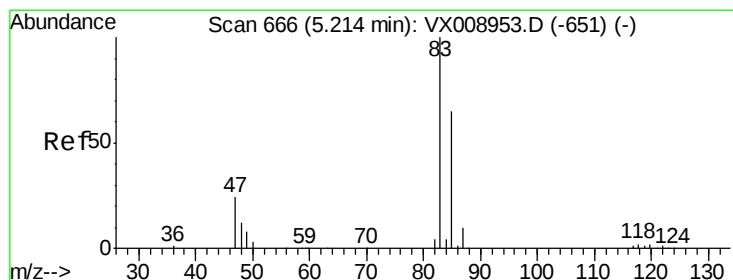
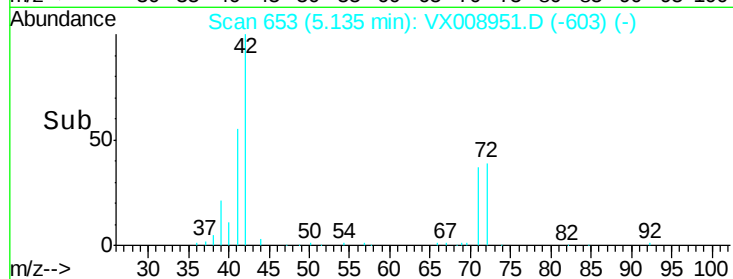
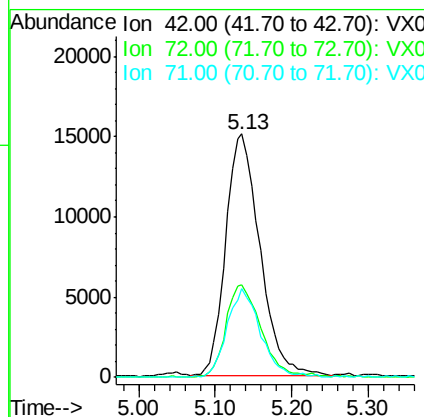
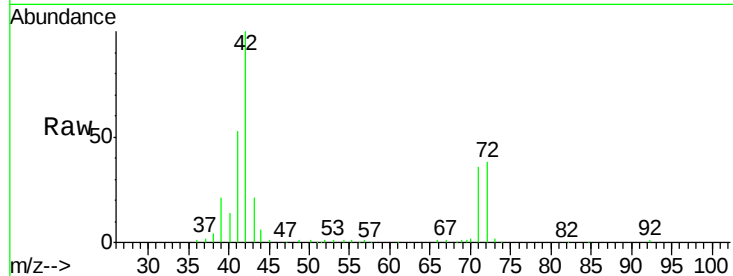
#29  
Tetrahydrofuran  
Concen: 22.625 ug/l  
RT: 5.13 min Scan# 653  
Delta R.T. 0.01 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 39.7  | 30.6  | 45.8  |
| 71      | 36.3  | 28.8  | 43.2  |

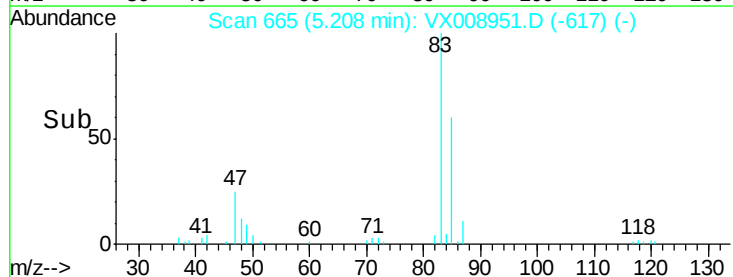
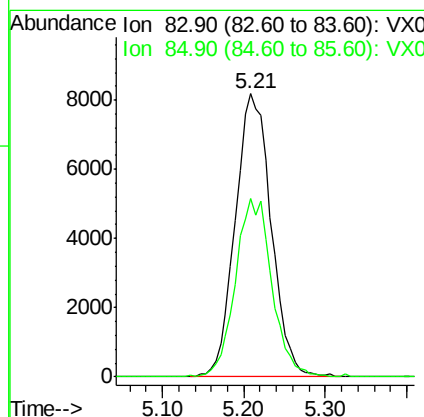
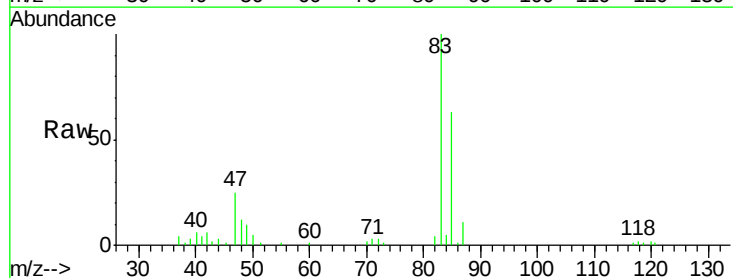
Manual Integrations  
APPROVED

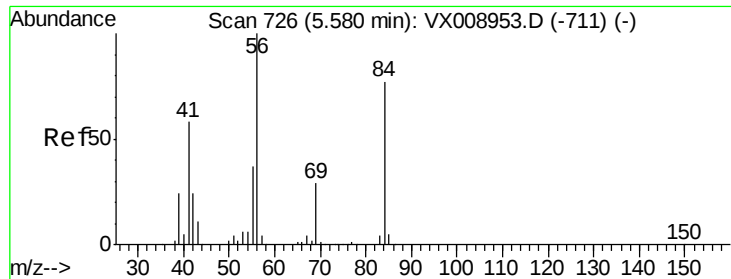
MMDadoda  
4/16/2019 10:52:45 AM



#30  
Chloroform  
Concen: 4.723 ug/l  
RT: 5.21 min Scan# 665  
Delta R.T. -0.01 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 62.9  | 51.9  | 77.9  |





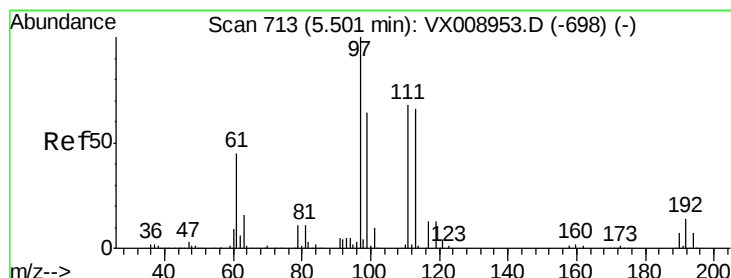
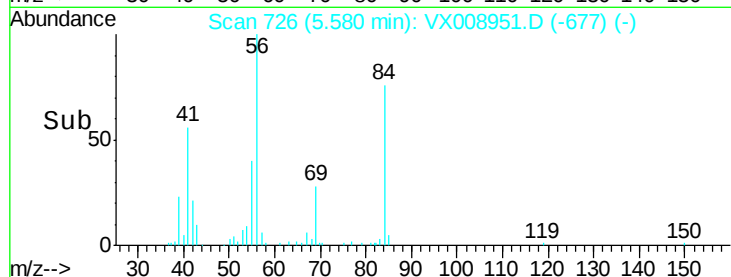
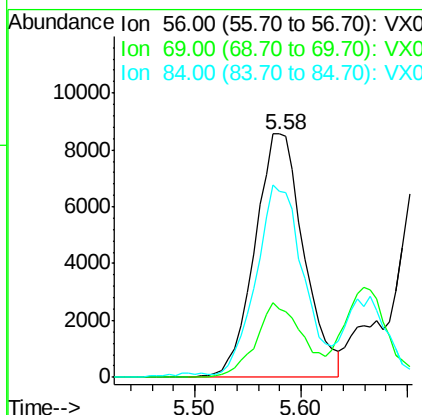
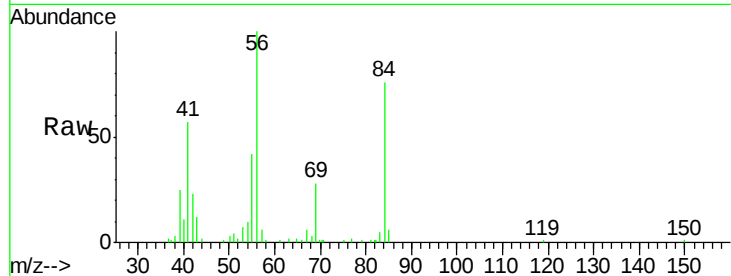
#31  
Cyclohexane  
Concen: 4.645 ug/l  
RT: 5.58 min Scan# 726  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 28.1  | 23.3  | 34.9  |
| 84      | 74.7  | 61.7  | 92.5  |

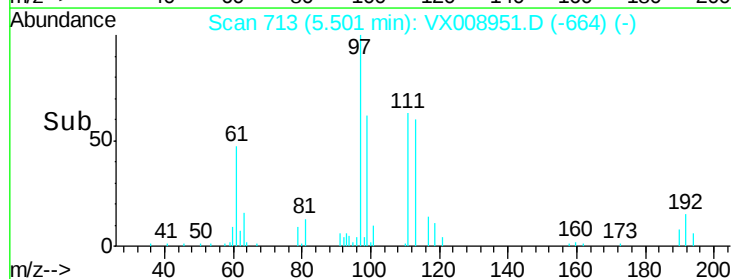
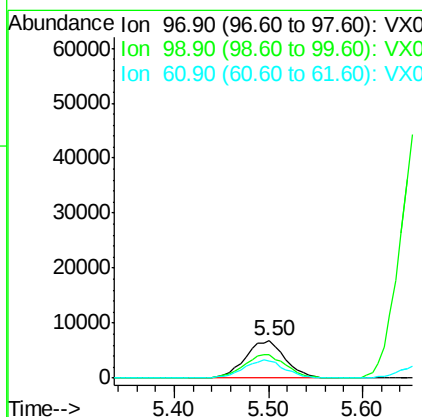
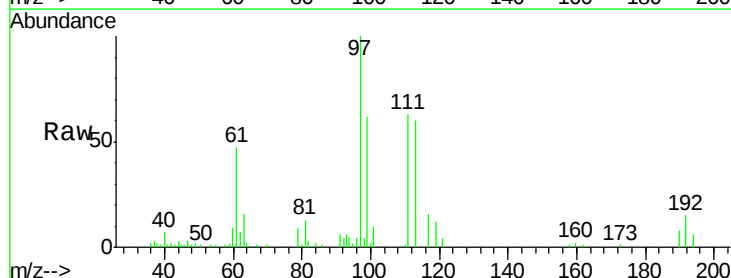
Manual Integrations  
APPROVED

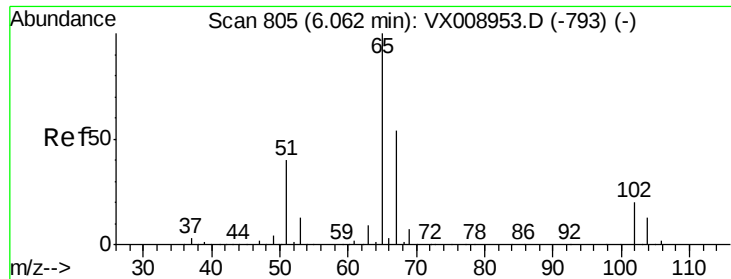
MMDadoda  
4/16/2019 10:52:45 AM



#32  
1,1,1-Trichloroethane  
Concen: 4.741 ug/l  
RT: 5.50 min Scan# 713  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 66.3  | 51.6  | 77.4  |
| 61      | 49.9  | 37.9  | 56.9  |





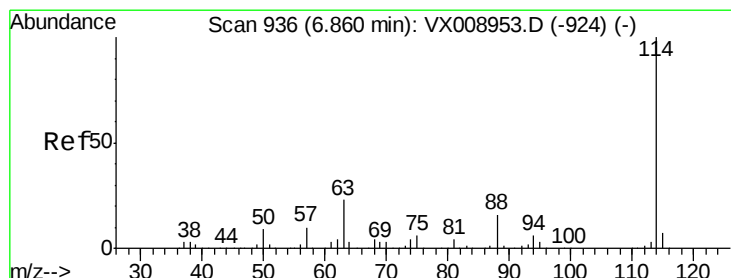
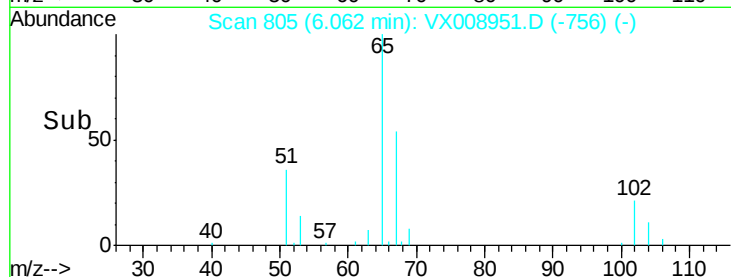
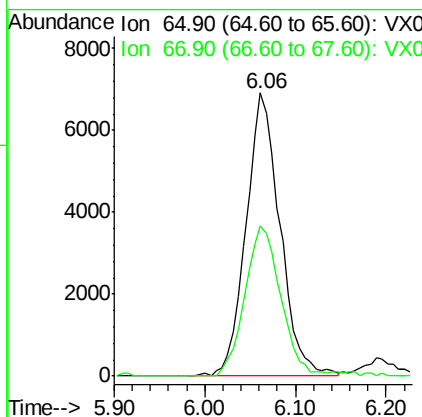
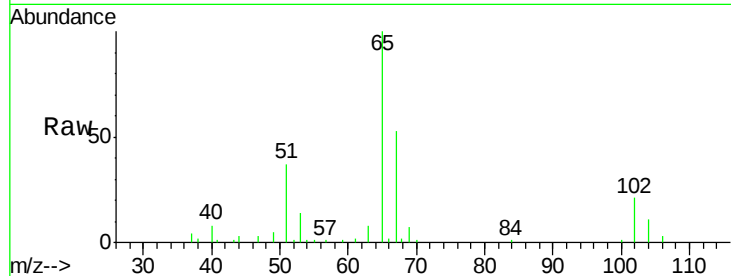
#33  
 1,2-Dichloroethane-d4  
 Concen: 5.217 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. -0.00 min  
 Lab File: VX008951.D  
 Acq: 15 Apr 2019 10:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 65 Resp: 17905  
 Ion Ratio Lower Upper  
 65 100  
 67 55.8 0.0 108.6

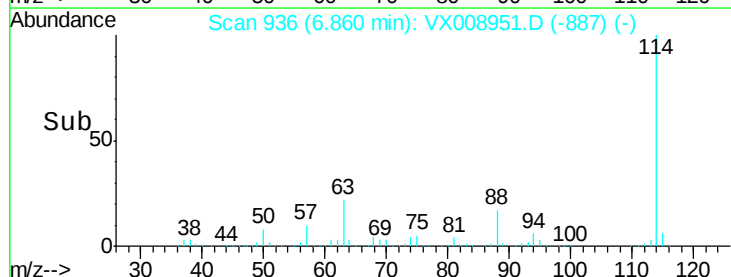
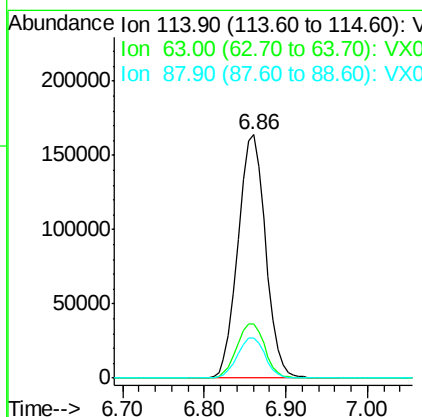
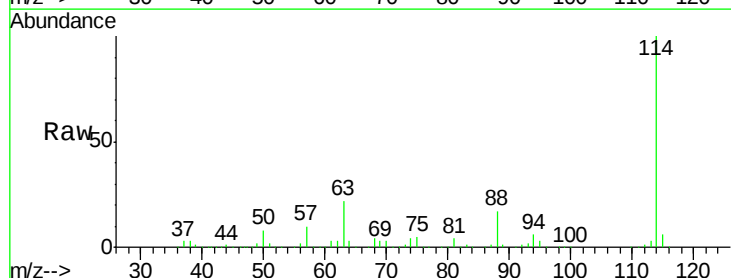
Manual Integrations  
 APPROVED

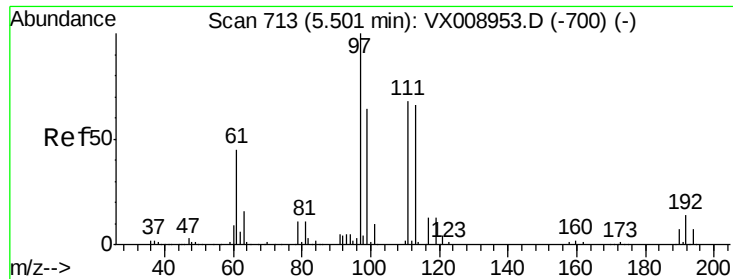
MMDadoda  
 4/16/2019 10:52:45 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX008951.D  
 Acq: 15 Apr 2019 10:22

Tgt Ion: 114 Resp: 384492  
 Ion Ratio Lower Upper  
 114 100  
 63 22.3 0.0 46.0  
 88 16.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 5.145 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

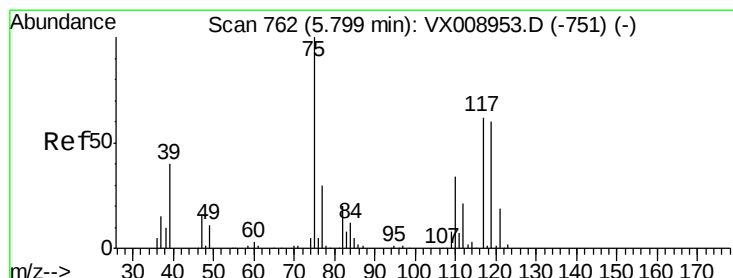
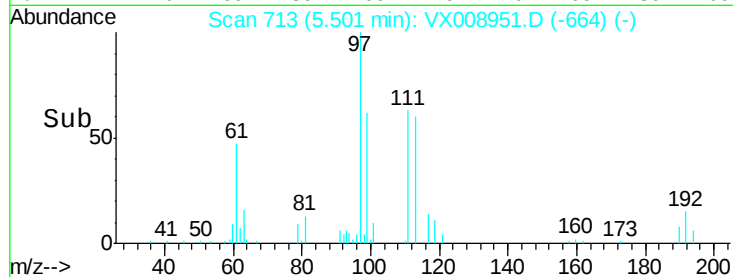
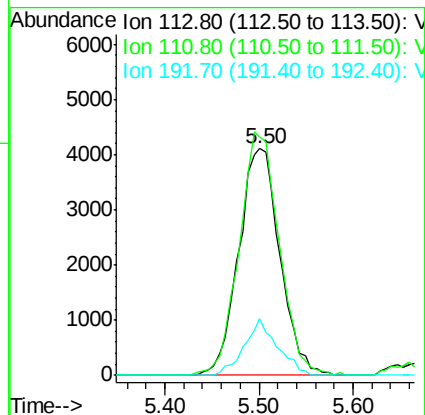
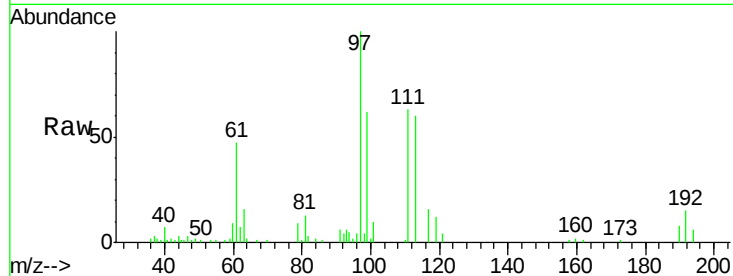
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 12564 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 104.6 | 82.9  | 124.3 |
| 192      | 20.1  | 17.4  | 26.0  |

Manual Integrations  
APPROVED

MMDadoda  
4/16/2019 10:52:45 AM



#36

1,1-Dichloropropene

Concen: 4.858 ug/l

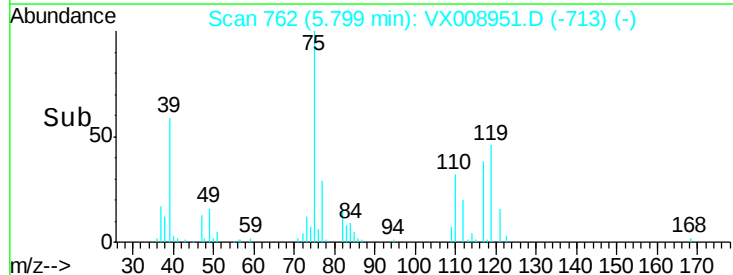
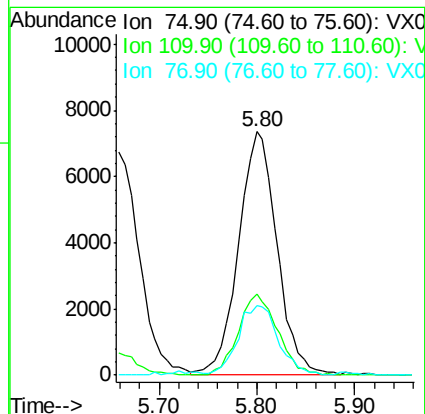
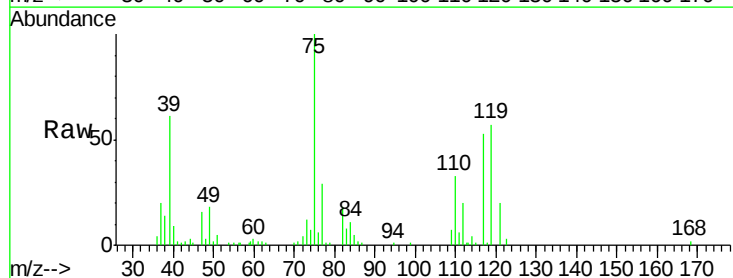
RT: 5.80 min Scan# 762

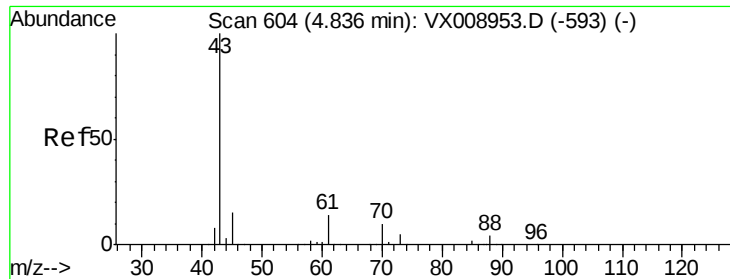
Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 20086 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 33.9  | 16.9  | 50.7  |
| 77       | 29.8  | 25.0  | 37.4  |





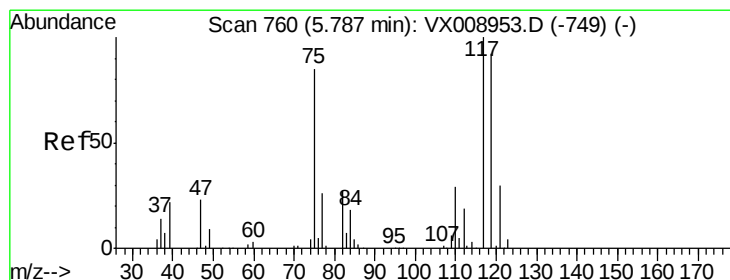
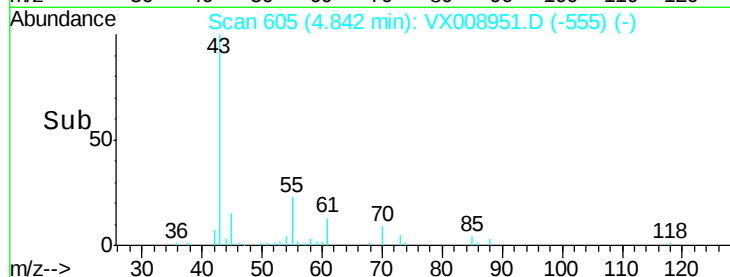
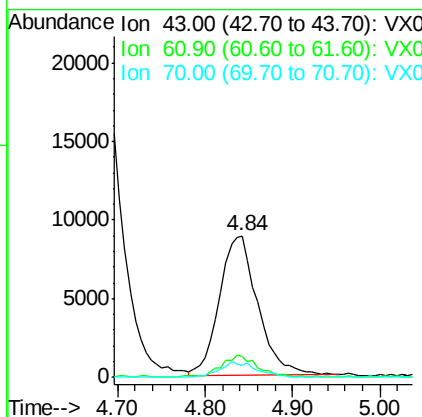
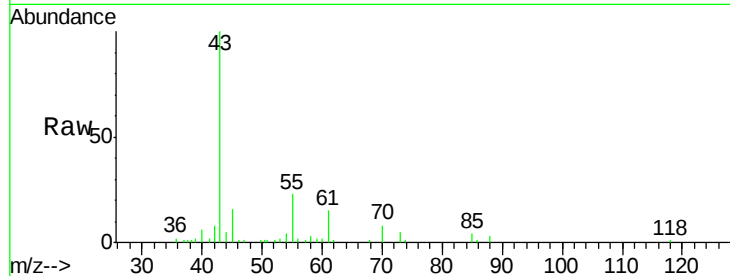
#37  
Ethyl Acetate  
Concen: 4.929 ug/l  
RT: 4.84 min Scan# 605  
Delta R.T. 0.01 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

| Tot Ion   | 43   | Resp  | 27093 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 43        | 100  |       |       |
| 61        | 15.0 | 10.6  | 15.8  |
| 70        | 10.6 | 7.7   | 11.5  |

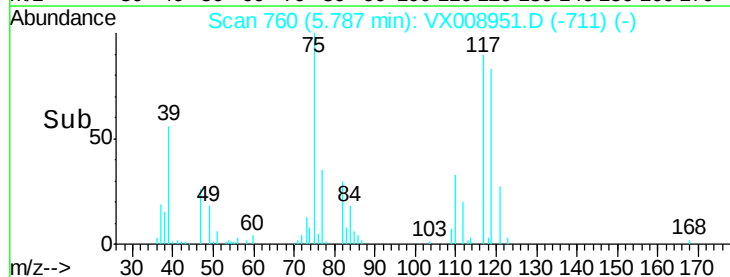
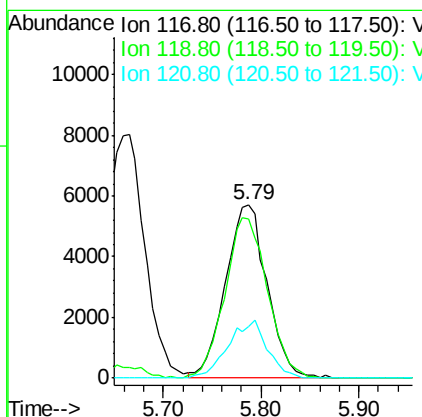
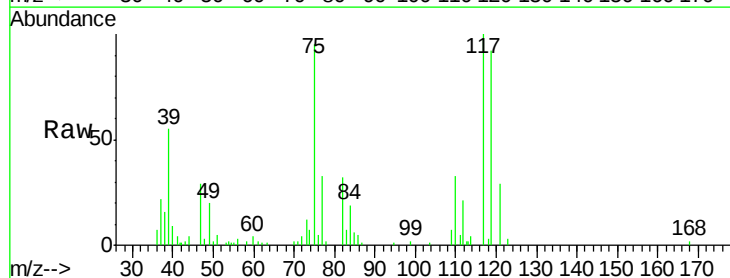
Manual Integrations  
APPROVED

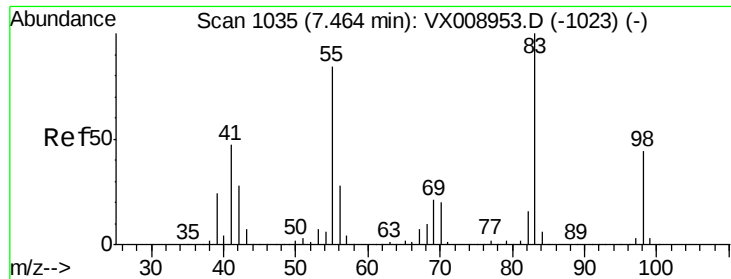
MMDadoda  
4/16/2019 10:52:45 AM



#38  
Carbon Tetrachloride  
Concen: 4.899 ug/l  
RT: 5.79 min Scan# 760  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

| Tgt Ion   | 117  | Resp  | 16799 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 117       | 100  |       |       |
| 119       | 91.6 | 73.8  | 110.8 |
| 121       | 29.5 | 23.6  | 35.4  |





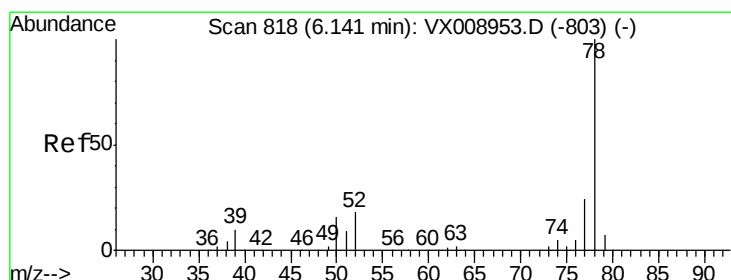
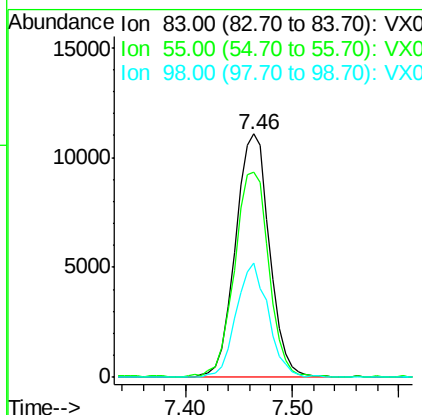
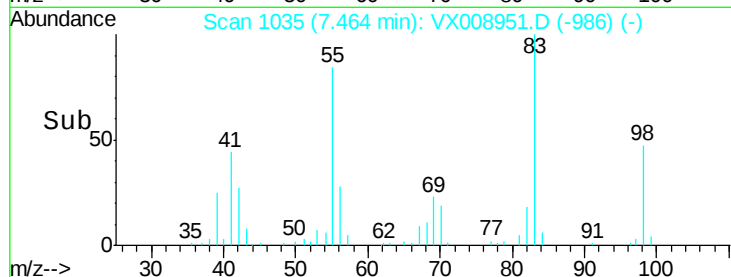
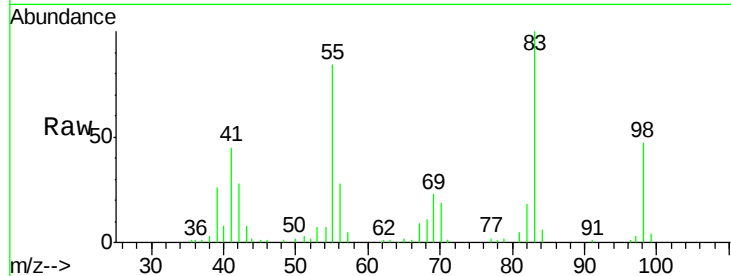
#39  
Methvlcvclohexane  
Concen: 4.862 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDIC005

| Tot Ion | 83.00 | Resp  | 24862 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 83      | 100   |       |       |
| 55      | 84.3  | 67.1  | 100.7 |
| 98      | 46.8  | 35.1  | 52.7  |

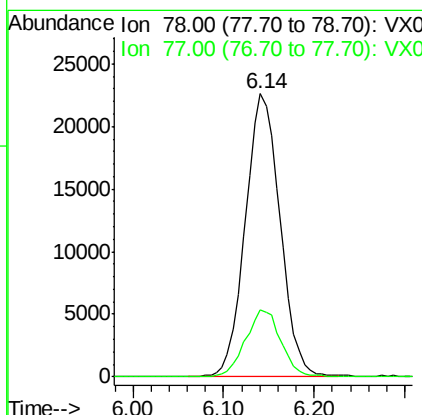
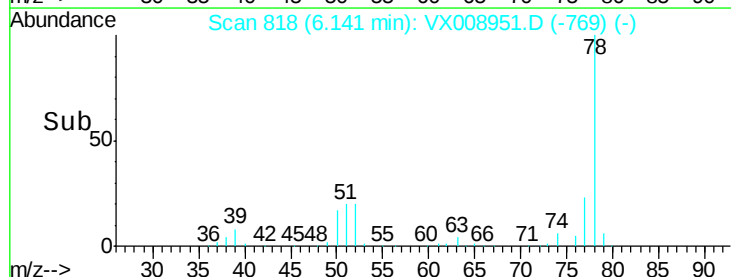
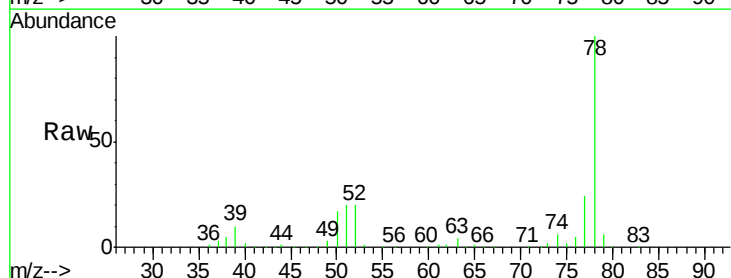
Manual Integrations  
APPROVED

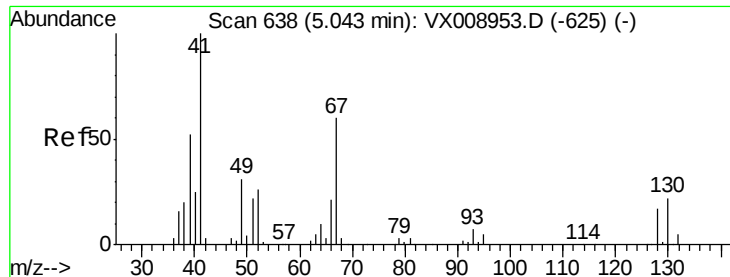
MMDadoda  
4/16/2019 10:52:45 AM



#40  
Benzene  
Concen: 4.877 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

| Tgt Ion | 78.00 | Resp  | 60057 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 78      | 100   |       |       |
| 77      | 23.8  | 19.0  | 28.6  |





#41

Methacrylonitrile

Concen: 4.688 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

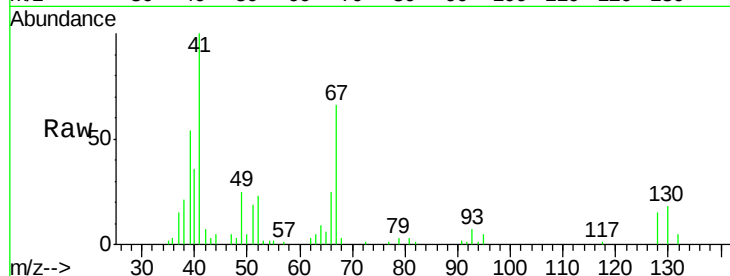
ClientSampleId :

VSTDIC005

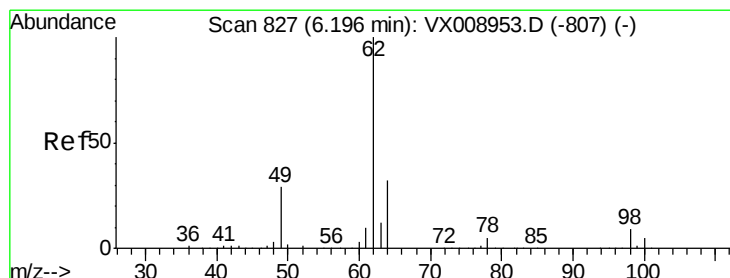
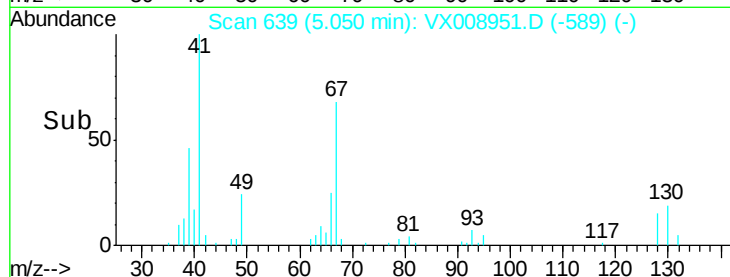
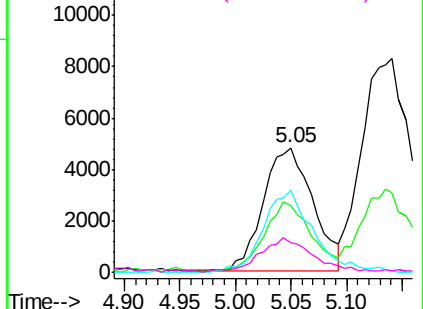
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 14860 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 52.0  | 41.8  | 62.6  |
| 67       | 66.9  | 50.2  | 75.4  |
| 52       | 29.2  | 21.1  | 31.7  |

Manual Integrations  
APPROVED

MMDadoda  
4/16/2019 10:52:45 AM



Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0  
Ion 67.00 (66.70 to 67.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 4.754 ug/l

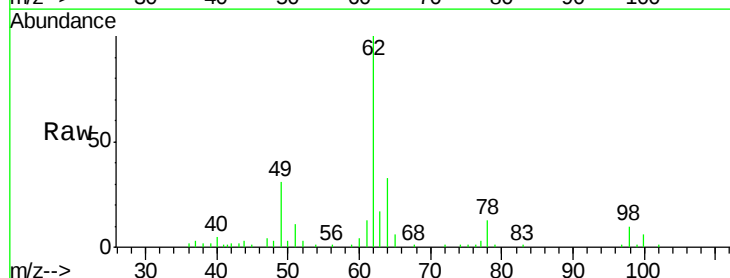
RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

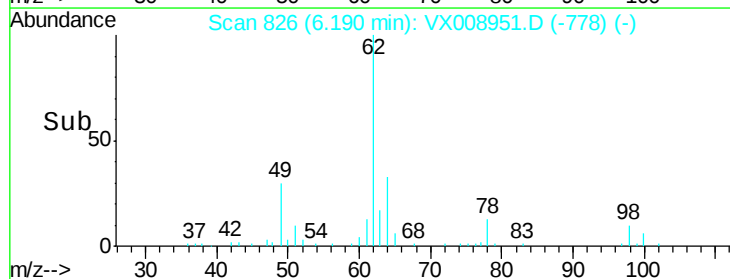
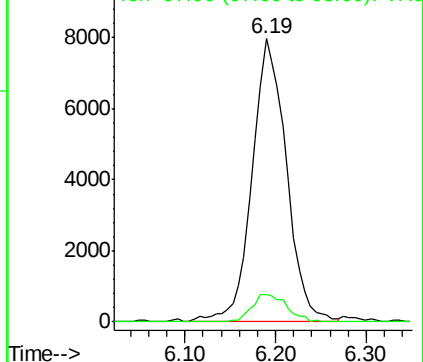
Lab File: VX008951.D

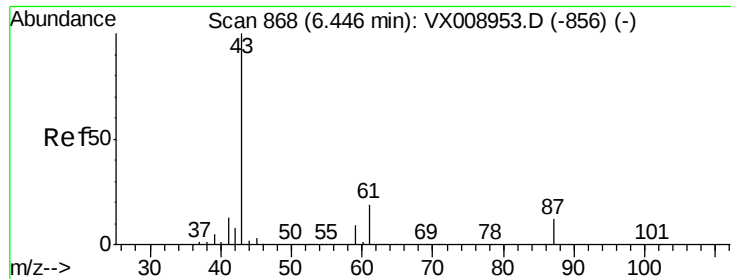
Acq: 15 Apr 2019 10:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 20980 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.9   | 0.0   | 18.4  |



Abundance Ion 61.90 (61.60 to 62.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 4.847 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

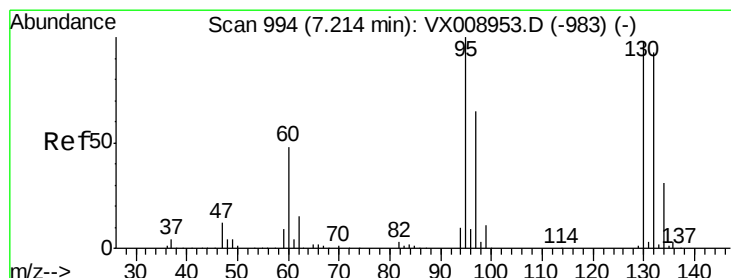
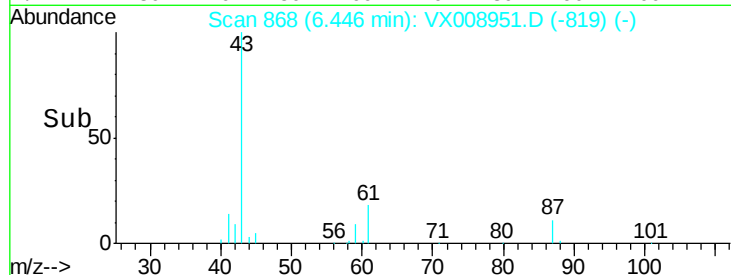
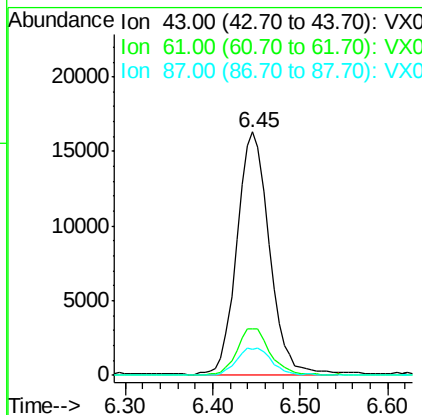
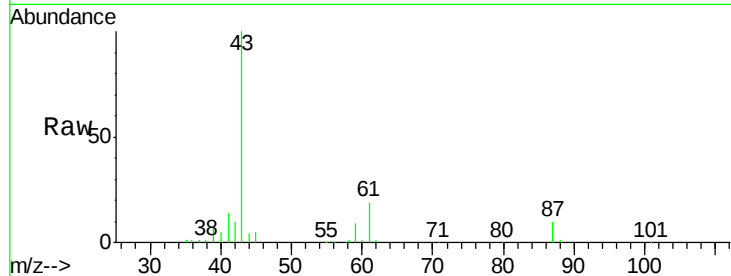
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 41821 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 20.0  | 15.4  | 23.0  |
| 87       | 12.2  | 9.0   | 13.4  |

Manual Integrations  
APPROVED

MMDadoda  
4/16/2019 10:52:45 AM



#44

Trichloroethene

Concen: 5.083 ug/l

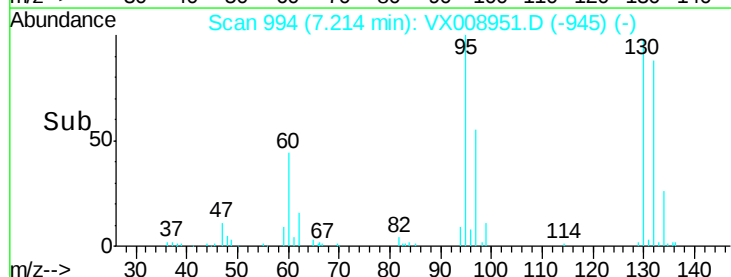
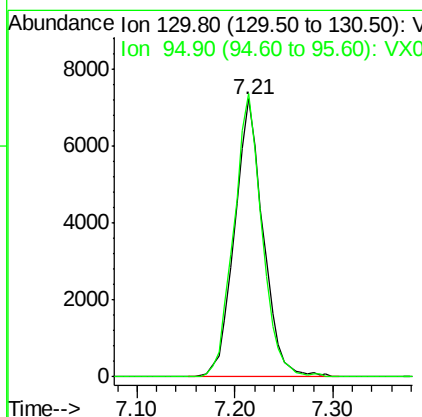
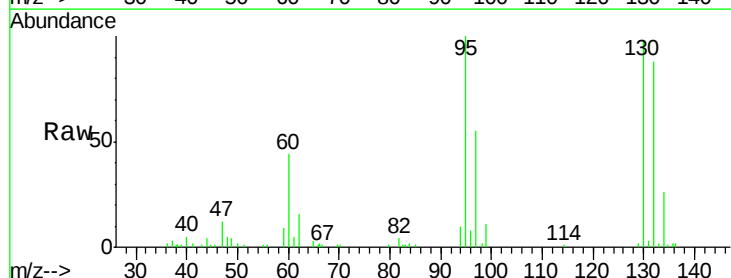
RT: 7.21 min Scan# 994

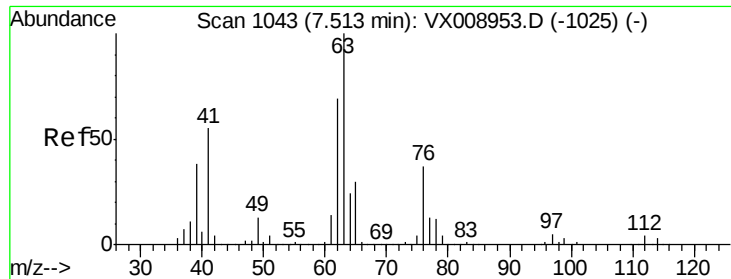
Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 14655 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 102.0 | 0.0   | 203.2 |





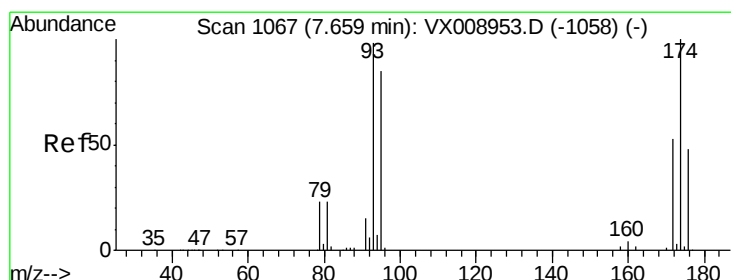
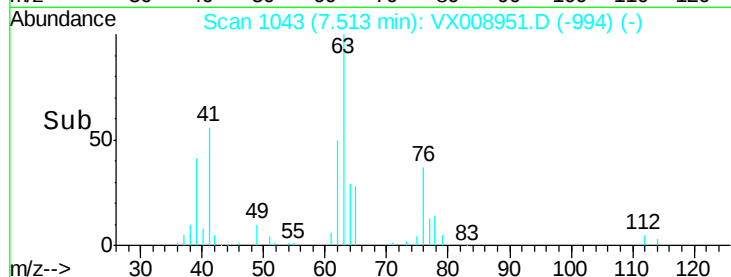
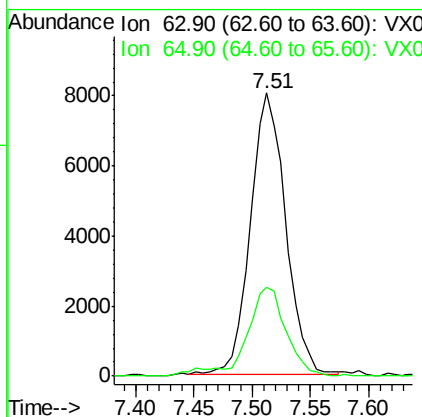
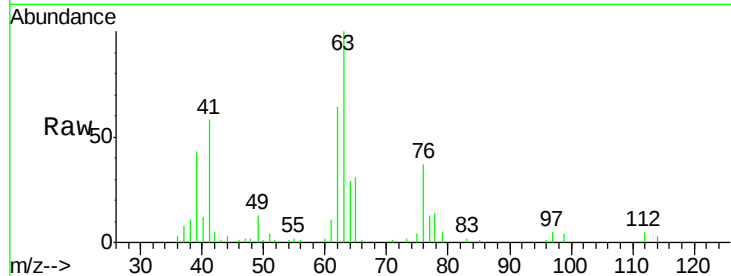
#45  
 1,2-Dichloropropane  
 Concen: 4.790 ug/l  
 RT: 7.51 min Scan# 1043  
 Delta R.T. -0.00 min  
 Lab File: VX008951.D  
 Acq: 15 Apr 2019 10:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 63 Resp: 16779  
 Ion Ratio Lower Upper  
 63 100  
 65 31.7 24.1 36.1

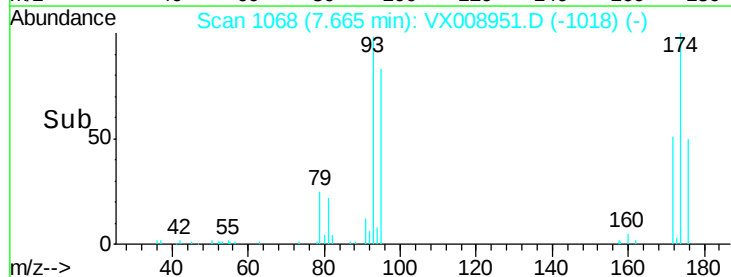
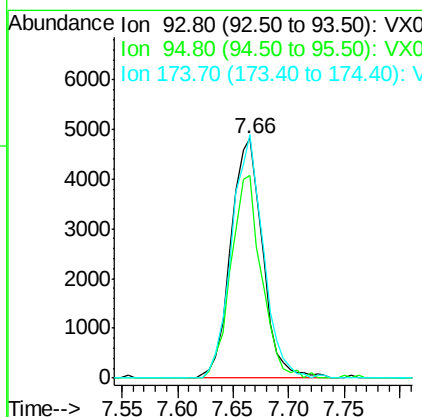
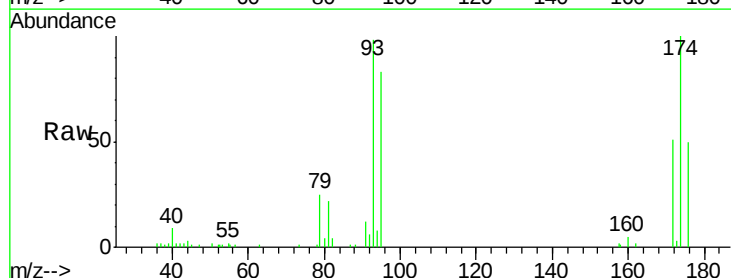
Manual Integrations  
 APPROVED

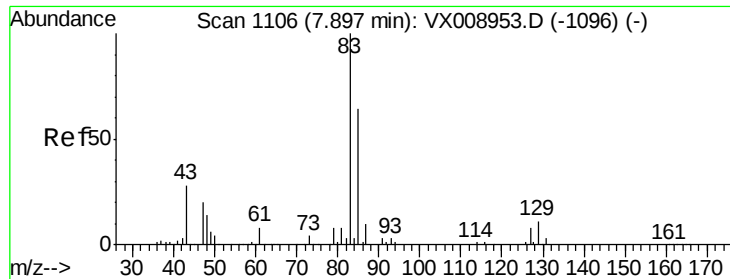
MMDadoda  
 4/16/2019 10:52:45 AM



#46  
 Dibromomethane  
 Concen: 4.689 ug/l  
 RT: 7.66 min Scan# 1068  
 Delta R.T. 0.01 min  
 Lab File: VX008951.D  
 Acq: 15 Apr 2019 10:22

Tgt Ion: 93 Resp: 9558  
 Ion Ratio Lower Upper  
 93 100  
 95 81.3 67.0 100.4  
 174 99.9 81.6 122.4





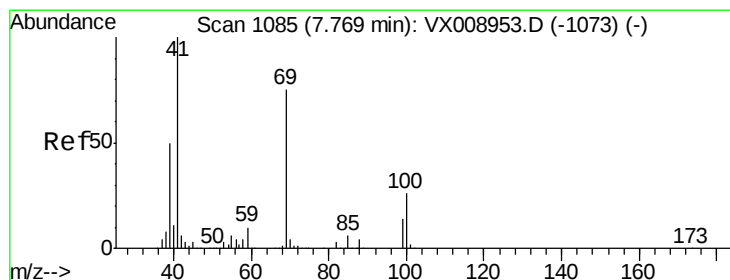
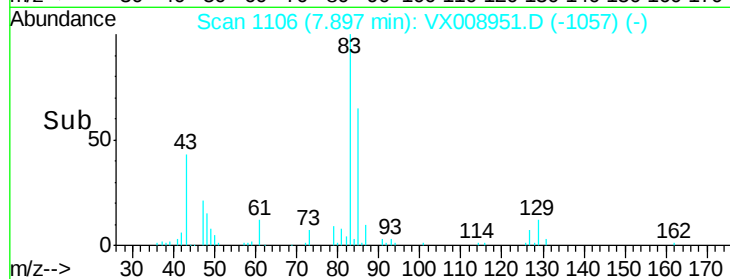
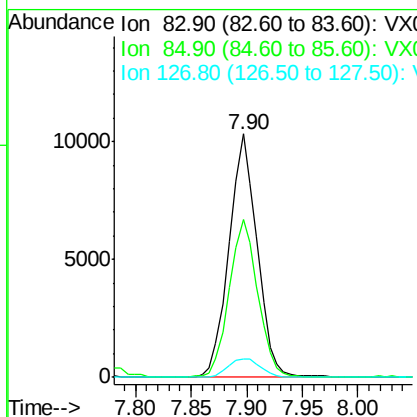
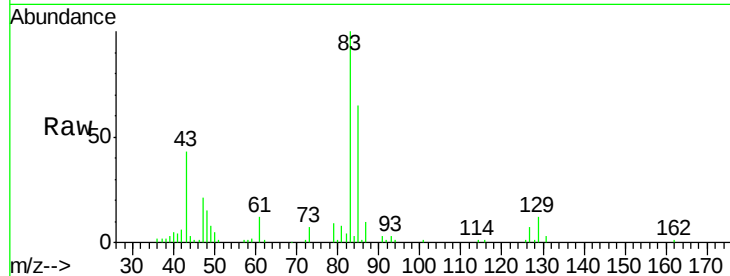
#47  
Bromodichloromethane  
Concen: 4.703 ug/l  
RT: 7.90 min Scan# 1106  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDIC005

| Tot Ion   | 83   | Resp  | 18078 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 64.9 | 50.8  | 76.2  |
| 127       | 7.5  | 6.4   | 9.6   |

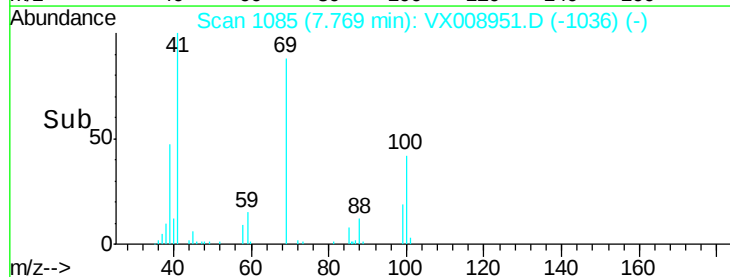
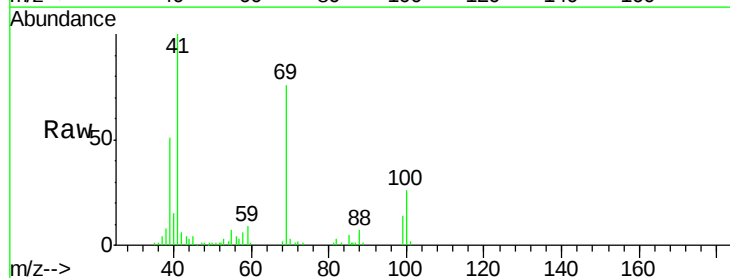
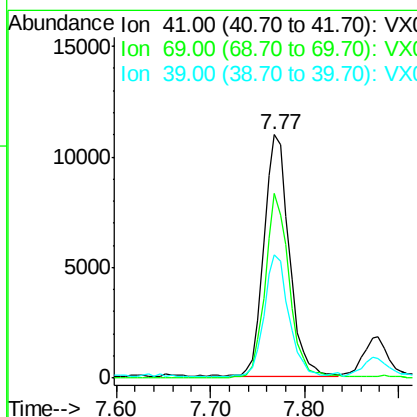
Manual Integrations  
APPROVED

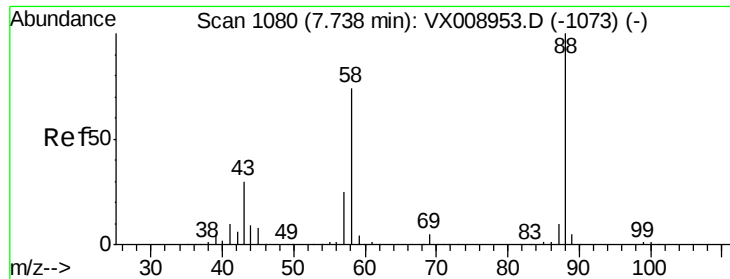
MMDadoda  
4/16/2019 10:52:45 AM



#48  
Methyl methacrylate  
Concen: 4.786 ug/l  
RT: 7.77 min Scan# 1085  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

| Tgt Ion   | 41   | Resp  | 20838 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 69        | 73.0 | 59.4  | 89.2  |
| 39        | 49.1 | 39.8  | 59.6  |





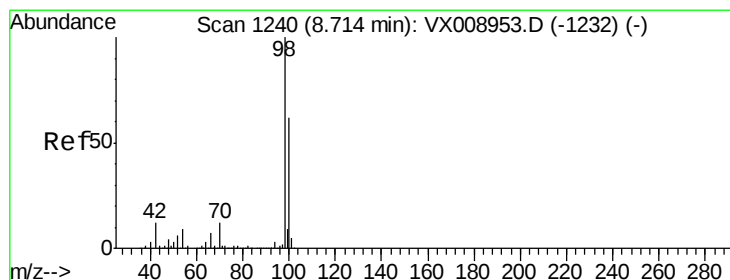
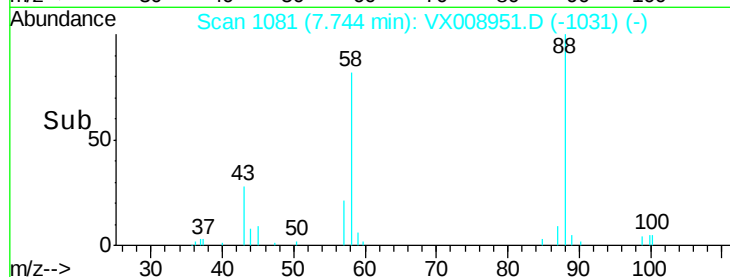
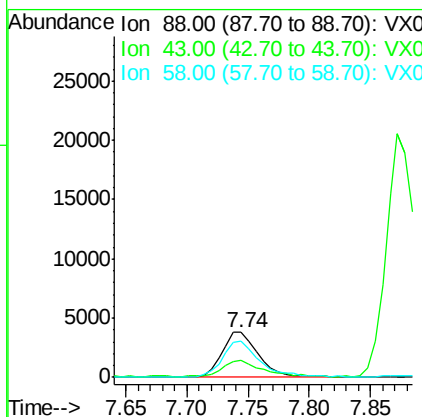
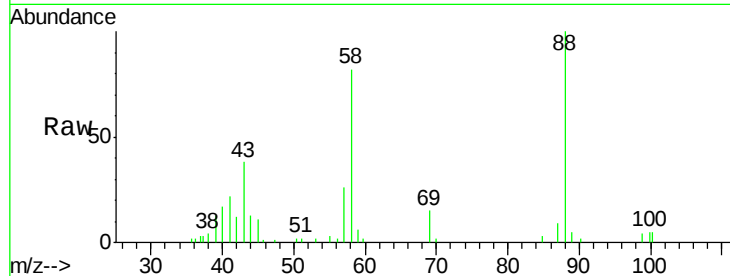
#49  
1,4-Dioxane  
Concen: 97.507 ug/l  
RT: 7.74 min Scan# 1081  
Delta R.T. 0.01 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 38.5  | 29.3  | 43.9  |
| 58      | 83.1  | 62.6  | 93.8  |

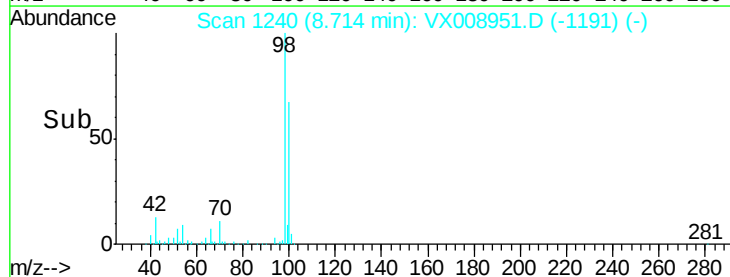
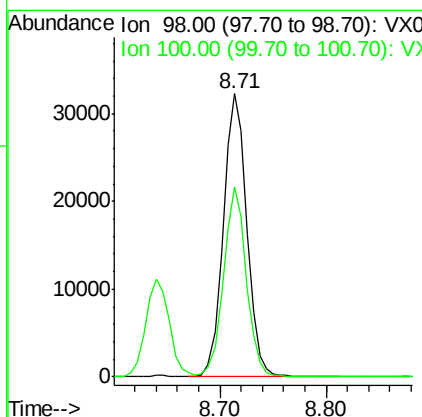
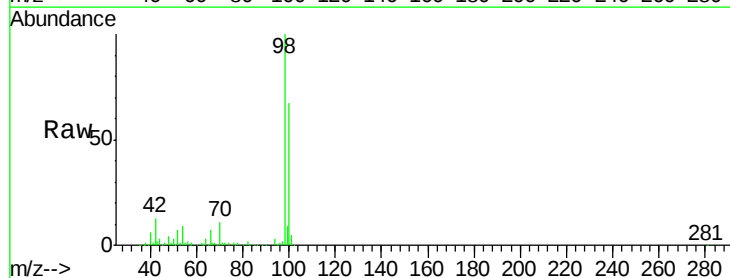
Manual Integrations  
APPROVED

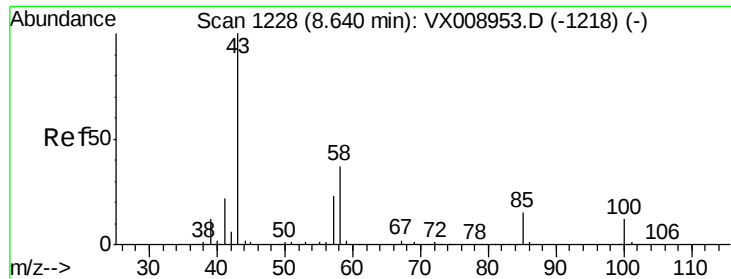
MMDadoda  
4/16/2019 10:52:45 AM



#50  
Toluene-d8  
Concen: 5.115 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.1  | 51.4  | 77.2  |





#51

4-Methyl-2-Pentanone

Concen: 24.858 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

ClientSampleID :

VSTDIC005

Tot Ion: 43 Resp: 137818

Ion Ratio Lower Upper

43 100

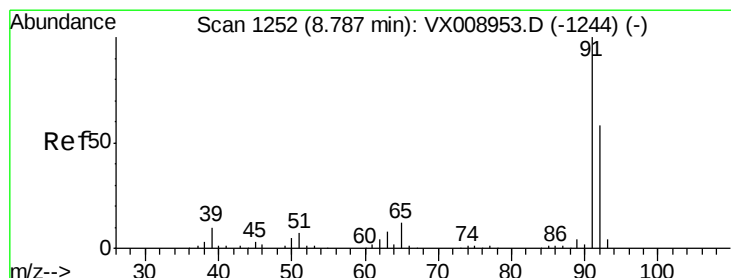
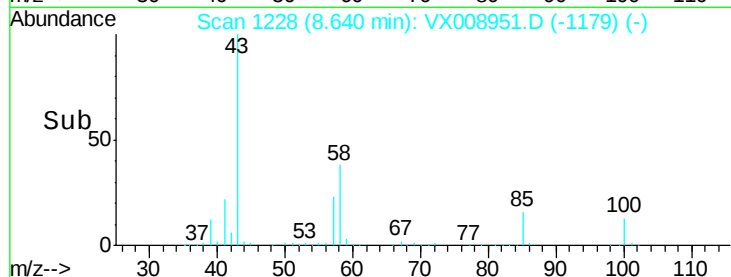
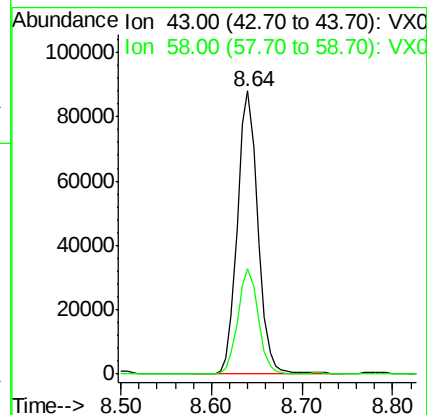
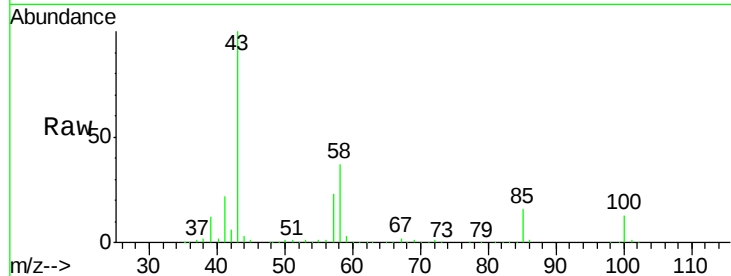
58 37.1 29.8 44.6

Manual Integrations

APPROVED

MMDadoda

4/16/2019 10:52:45 AM



#52

Toluene

Concen: 5.016 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008951.D

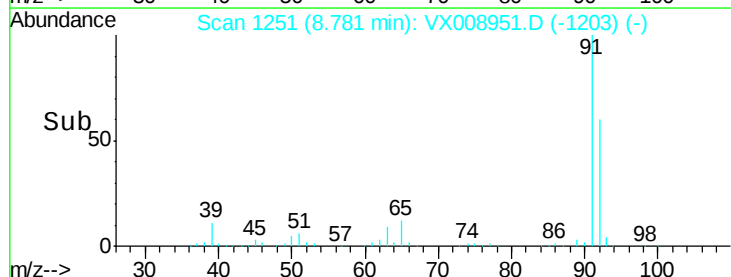
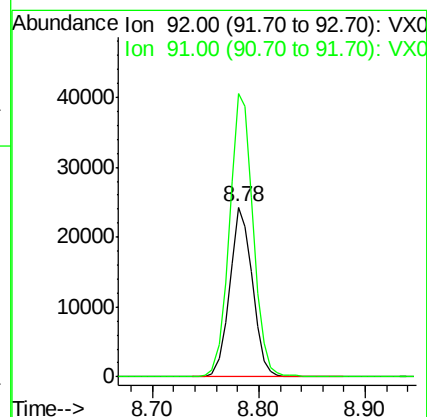
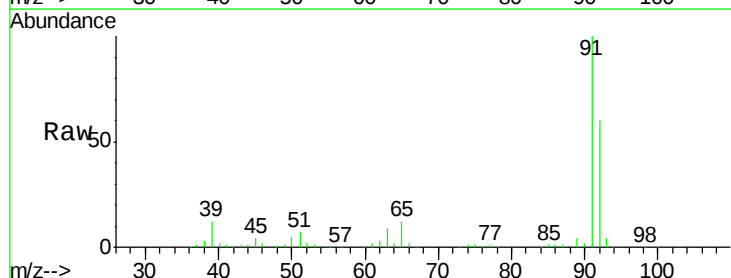
Acq: 15 Apr 2019 10:22

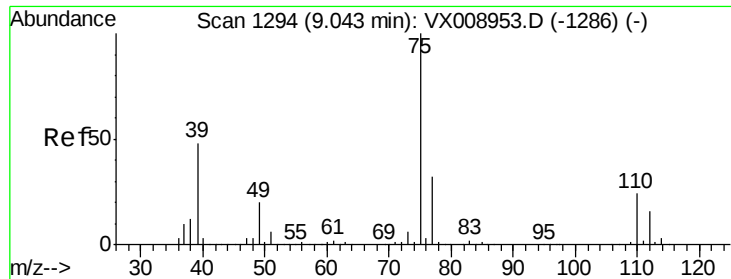
Tgt Ion: 92 Resp: 36410

Ion Ratio Lower Upper

92 100

91 173.2 138.5 207.7





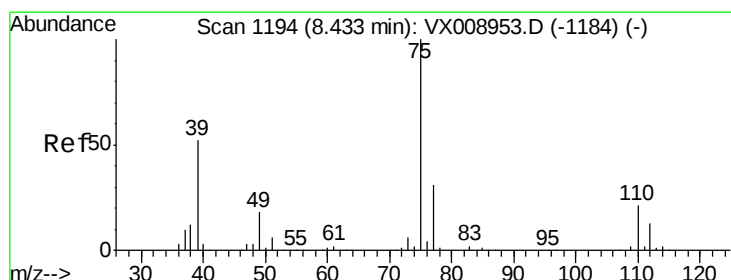
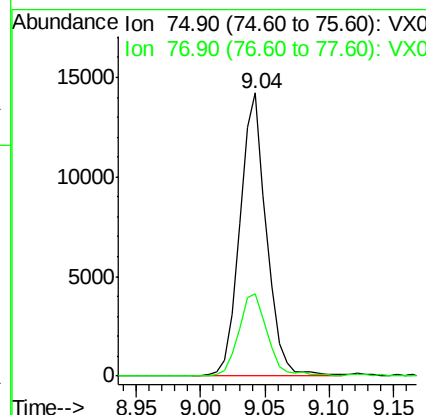
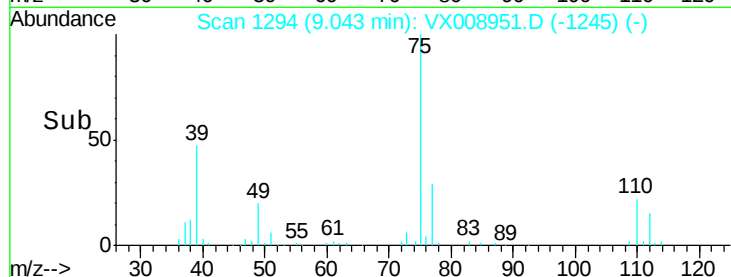
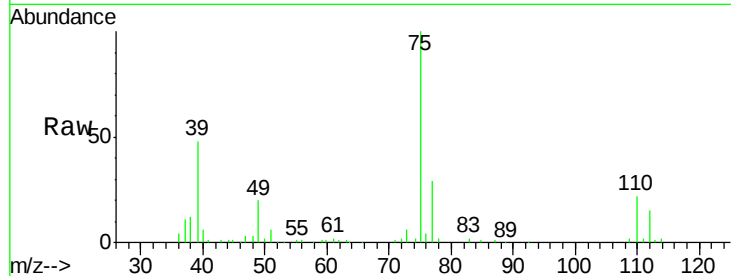
#53  
t-1,3-Dichloropropene  
Concen: 4.711 ug/l  
RT: 9.04 min Scan# 1294  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tot Ion: 75 Resp: 20373  
Ion Ratio Lower Upper  
75 100  
77 29.2 25.4 38.2

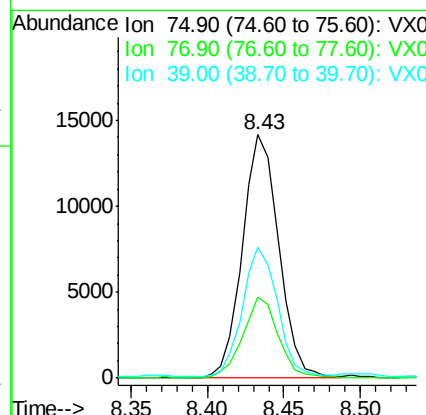
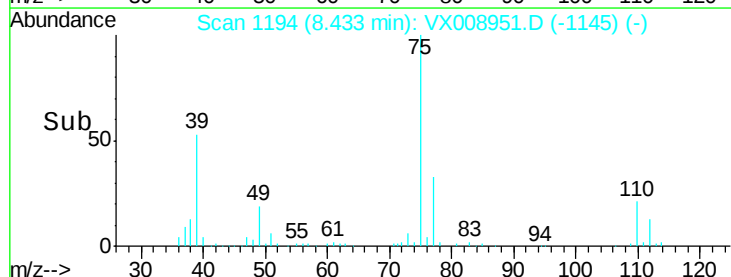
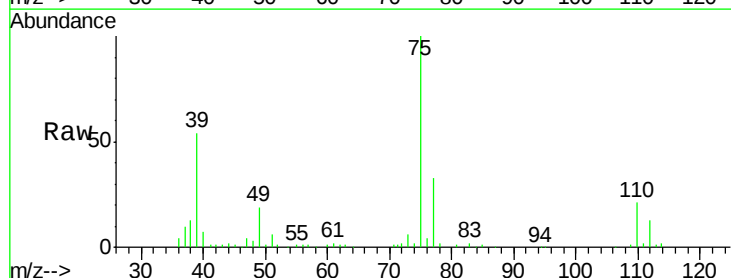
Manual Integrations  
APPROVED

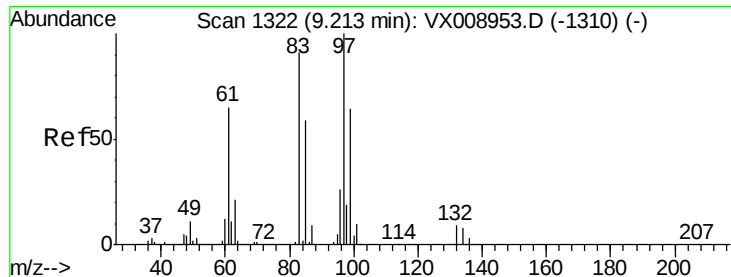
MMDadoda  
4/16/2019 10:52:45 AM



#54  
cis-1,3-Dichloropropene  
Concen: 4.761 ug/l  
RT: 8.43 min Scan# 1194  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Tgt Ion: 75 Resp: 23456  
Ion Ratio Lower Upper  
75 100  
77 33.4 24.8 37.2  
39 53.3 41.8 62.6





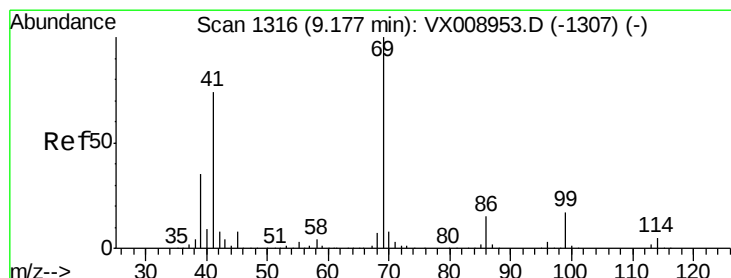
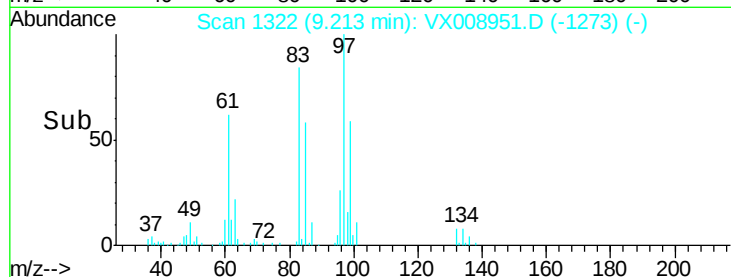
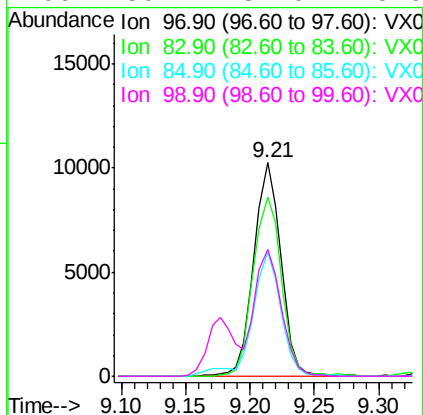
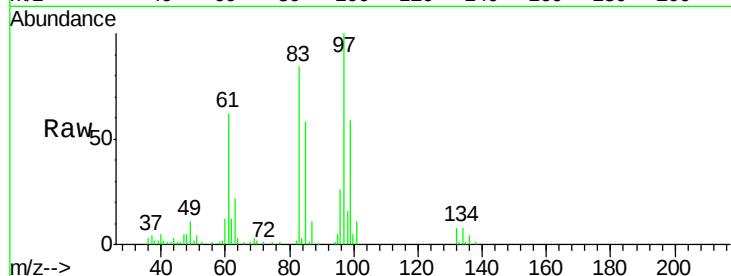
#55  
 1,1,2-Trichloroethane  
 Concen: 5.110 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. -0.00 min  
 Lab File: VX008951.D  
 Acq: 15 Apr 2019 10:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 14899 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 83.9  | 72.6  | 108.8 |
| 85       | 58.4  | 46.9  | 70.3  |
| 99       | 59.4  | 51.0  | 76.6  |

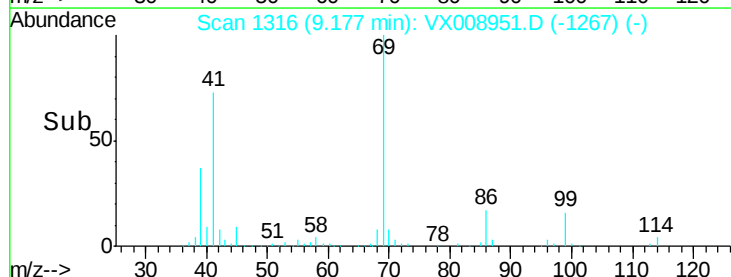
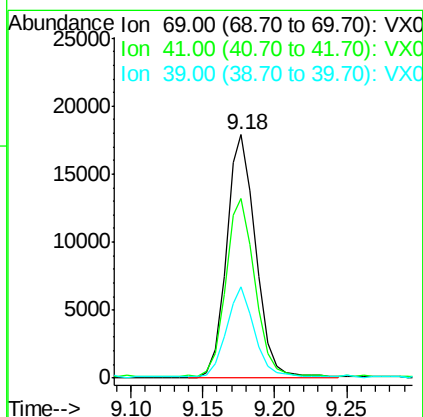
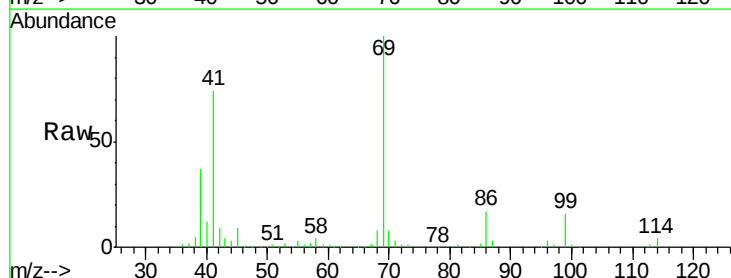
Manual Integrations  
 APPROVED

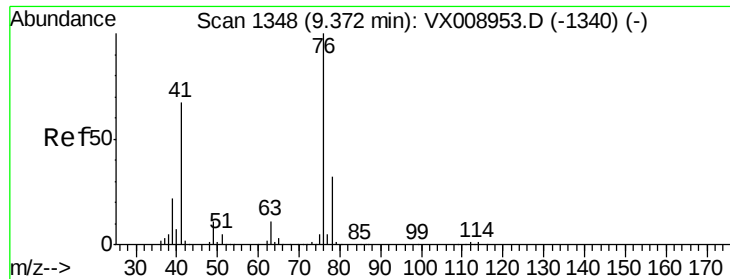
MMDadoda  
 4/16/2019 10:52:45 AM



#56  
 Ethyl methacrylate  
 Concen: 4.873 ug/l  
 RT: 9.18 min Scan# 1316  
 Delta R.T. -0.00 min  
 Lab File: VX008951.D  
 Acq: 15 Apr 2019 10:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 25619 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 73.3  | 60.2  | 90.2  |
| 39       | 35.1  | 27.9  | 41.9  |





#57

1,3-Dichloropropane

Concen: 5.053 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 26398

Ion Ratio Lower Upper

76 100

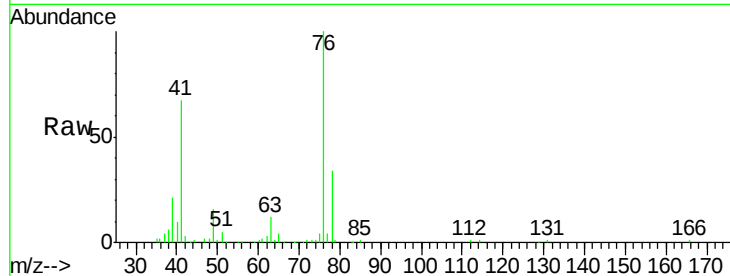
78 32.1 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

4/16/2019 10:52:45 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

15000

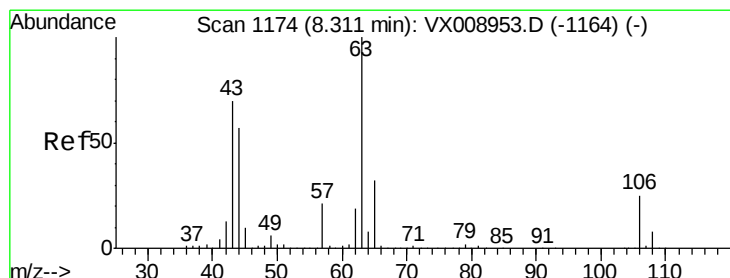
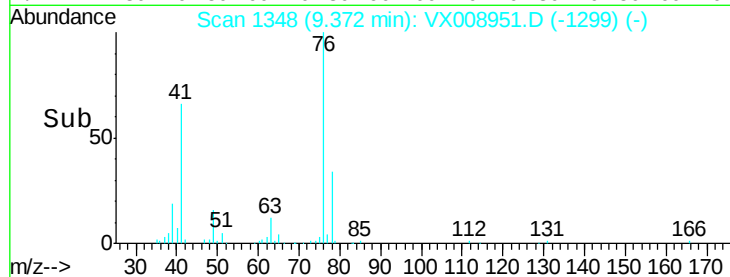
10000

5000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 25.323 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008951.D

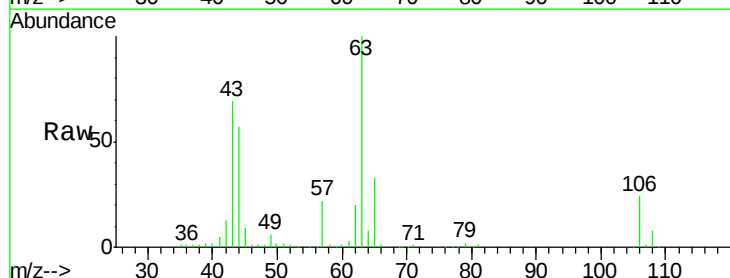
Acq: 15 Apr 2019 10:22

Tgt Ion: 63 Resp: 68640

Ion Ratio Lower Upper

63 100

106 24.2 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

50000

40000

30000

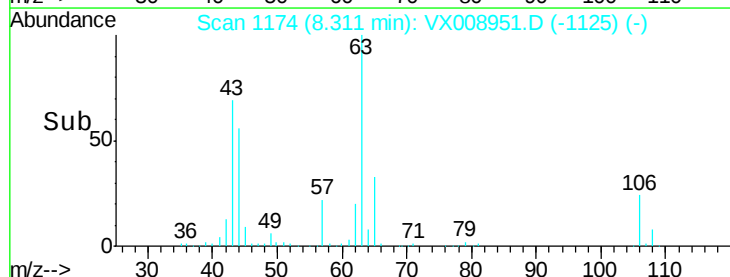
20000

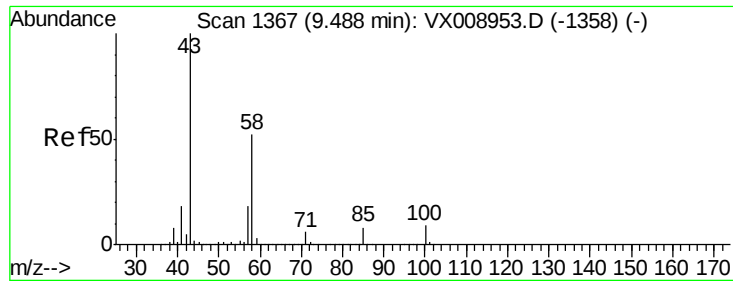
10000

0

8.20 8.25 8.30 8.35 8.40

Time-->





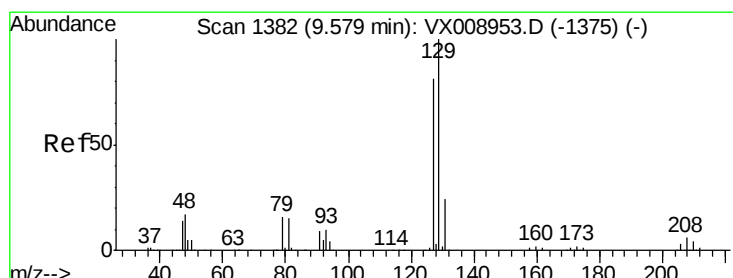
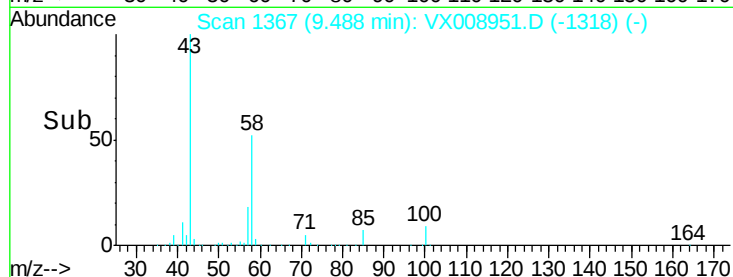
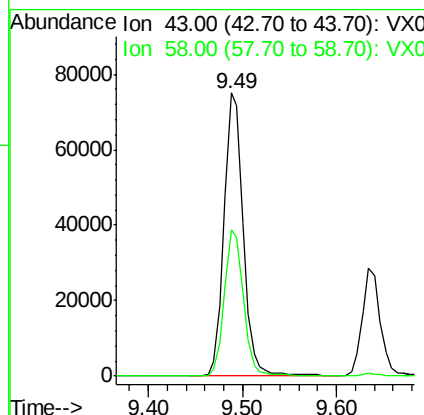
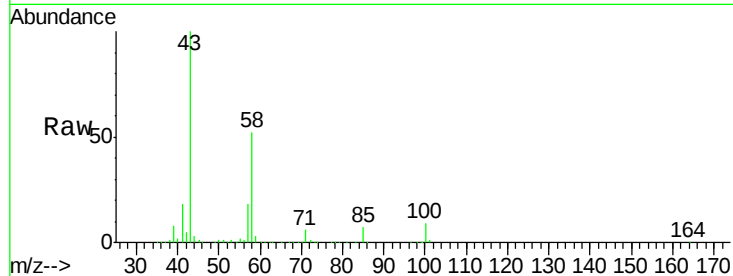
#59  
2-Hexanone  
Concen: 24.498 ug/l  
RT: 9.49 min Scan# 1367  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tot Ion: 43 Resp: 105608  
Ion Ratio Lower Upper  
43 100  
58 51.8 25.9 77.8

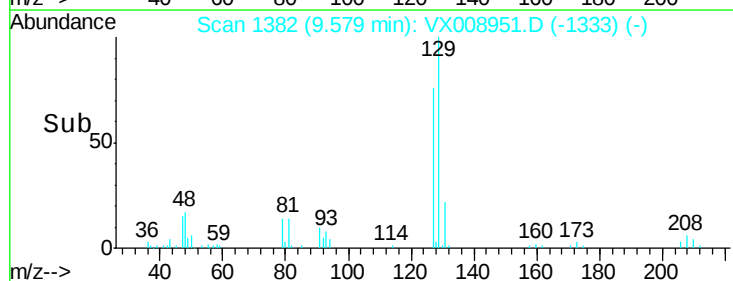
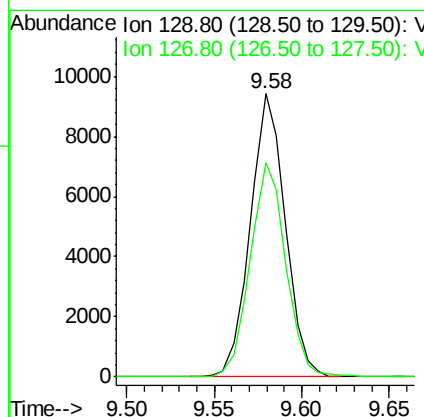
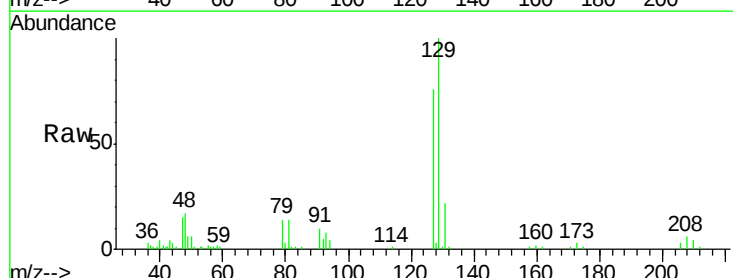
Manual Integrations  
APPROVED

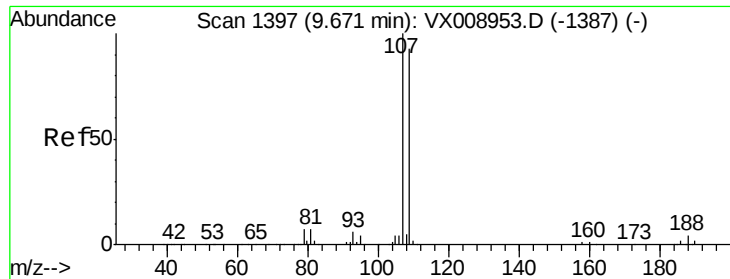
MMDadoda  
4/16/2019 10:52:45 AM



#60  
Dibromochloromethane  
Concen: 4.745 ug/l  
RT: 9.58 min Scan# 1382  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Tgt Ion: 129 Resp: 13062  
Ion Ratio Lower Upper  
129 100  
127 77.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 4.876 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 14795

Ion Ratio Lower Upper

107 100

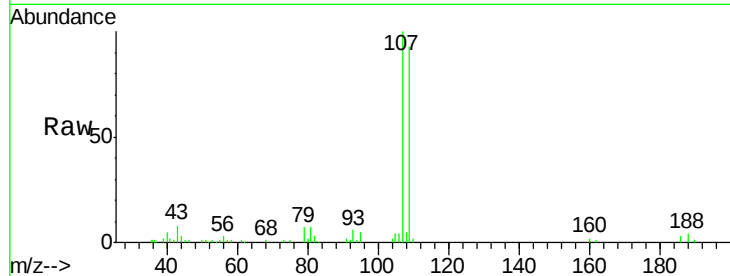
109 94.2 74.4 111.6

Manual Integrations

APPROVED

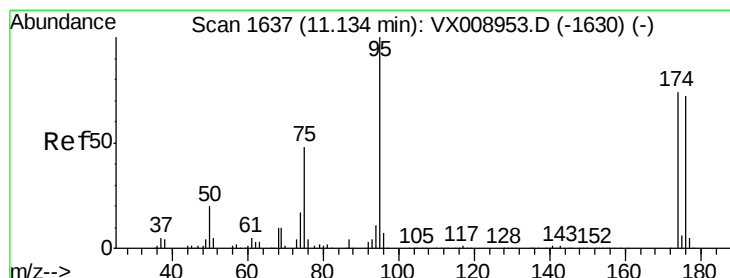
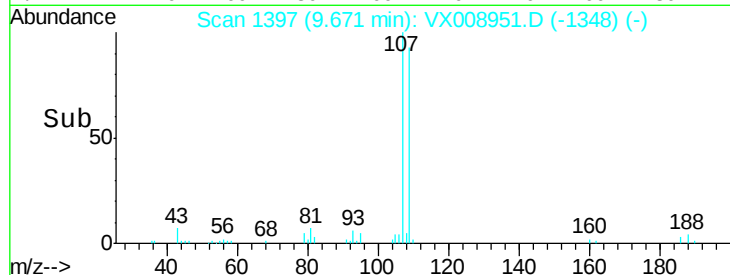
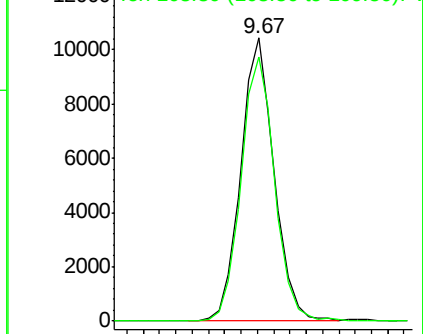
MMDadoda

4/16/2019 10:52:45 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.947 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

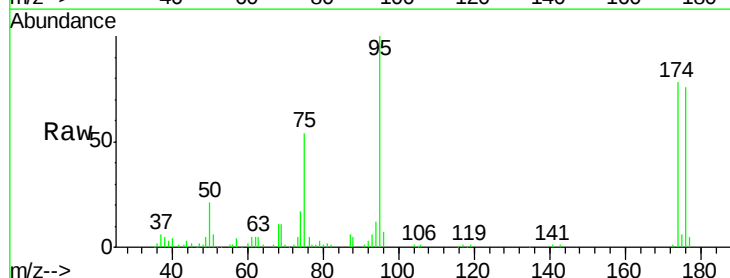
Tgt Ion: 95 Resp: 17048

Ion Ratio Lower Upper

95 100

174 80.8 0.0 159.6

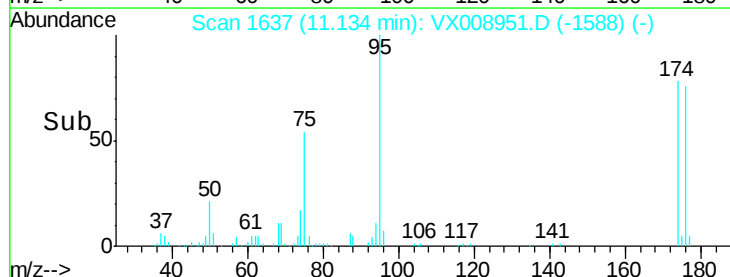
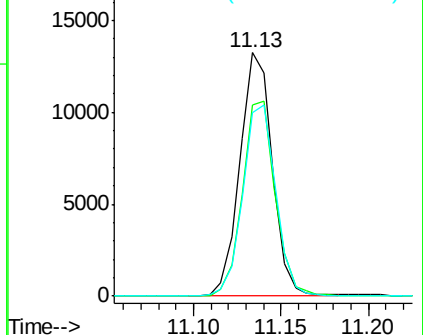
176 79.6 0.0 154.8

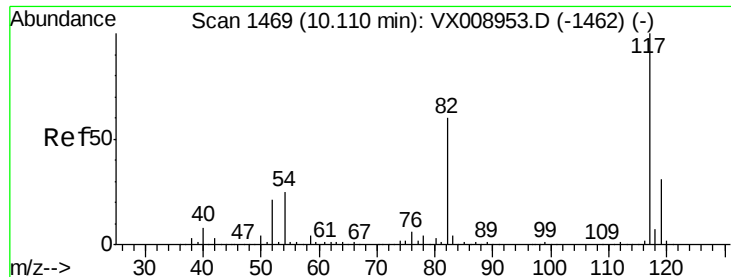


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





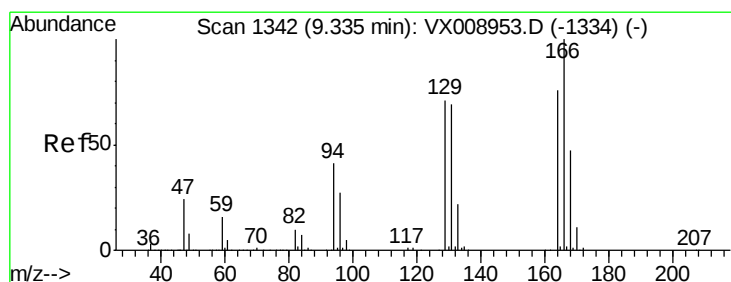
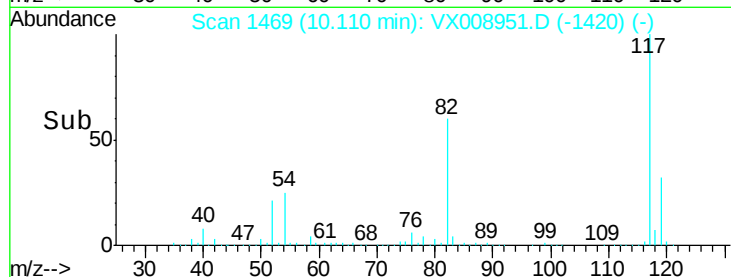
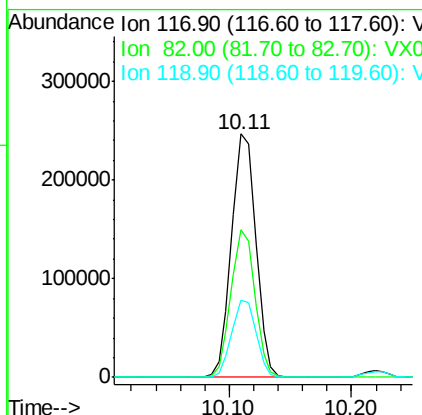
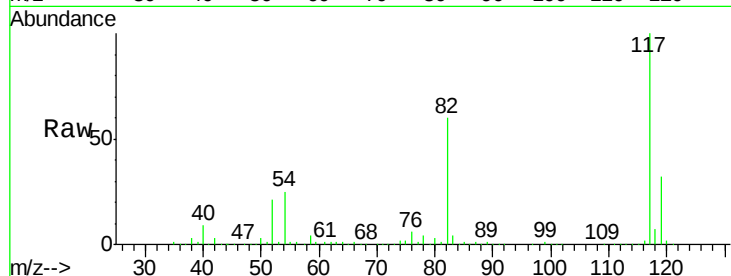
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 60.5  | 48.2  | 72.4  |
| 119     | 31.7  | 25.0  | 37.6  |

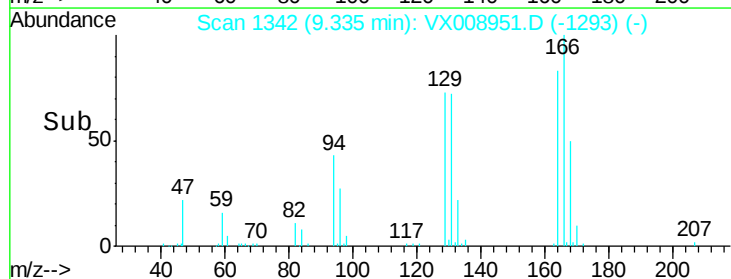
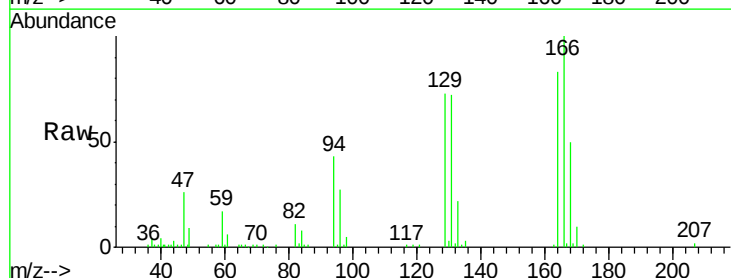
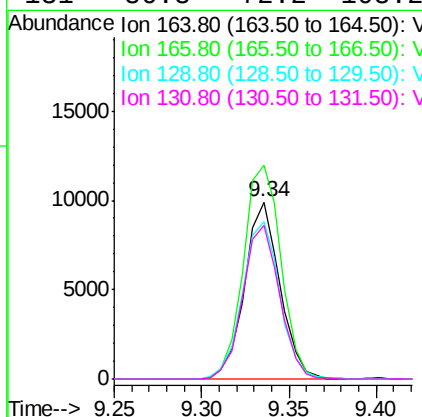
Manual Integrations  
APPROVED

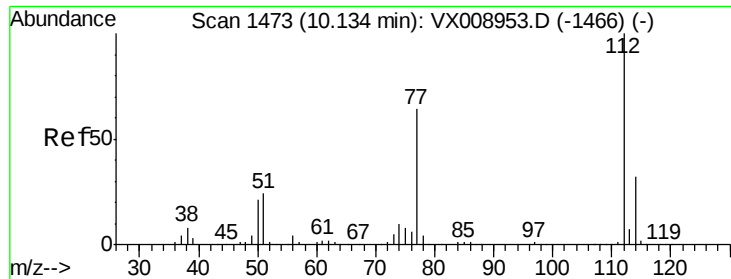
MMDadoda  
4/16/2019 10:52:45 AM



#64  
Tetrachloroethene  
Concen: 5.501 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 120.8 | 105.0 | 157.4 |
| 129     | 88.7  | 74.2  | 111.4 |
| 131     | 86.8  | 72.2  | 108.2 |





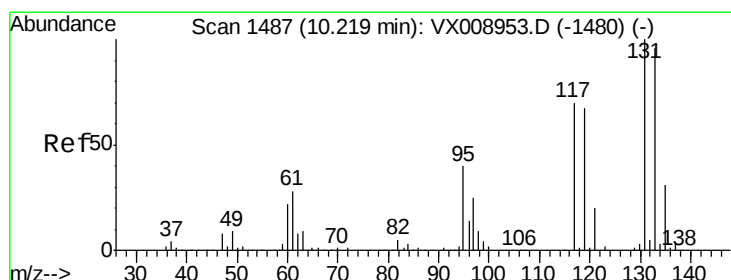
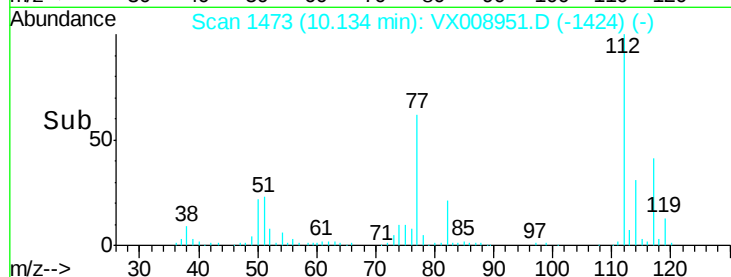
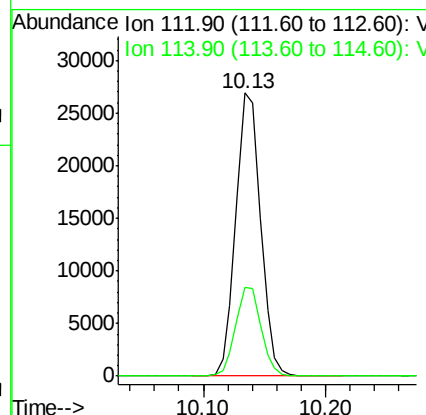
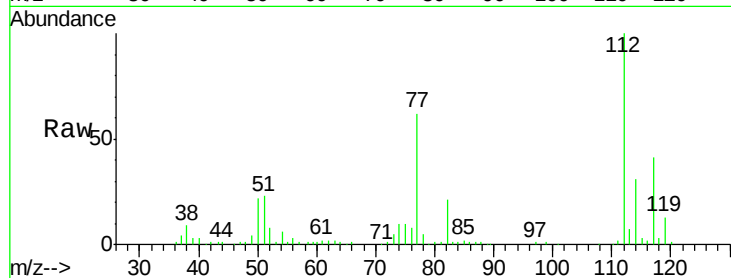
#65  
Chlorobenzene  
Concen: 5.074 ug/l  
RT: 10.13 min Scan# 1473  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tot Ion:112 Resp: 37676  
Ion Ratio Lower Upper  
112 100  
114 31.4 25.4 38.0

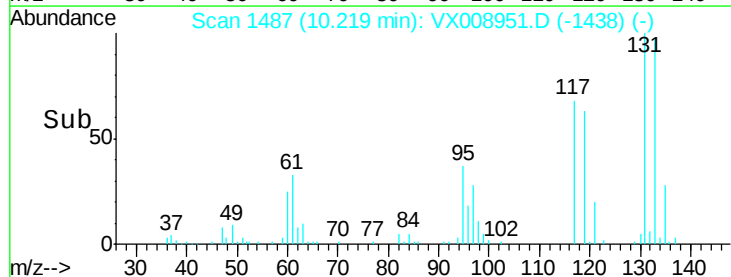
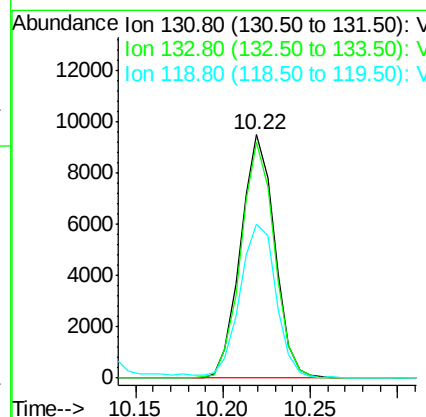
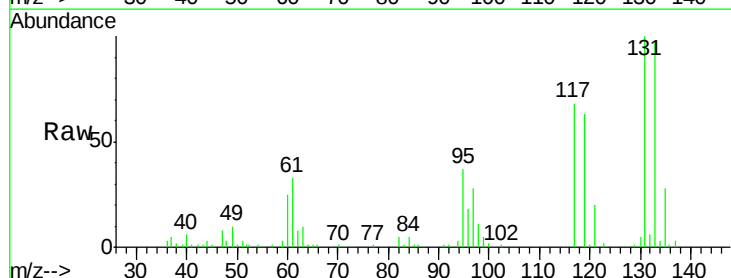
Manual Integrations  
APPROVED

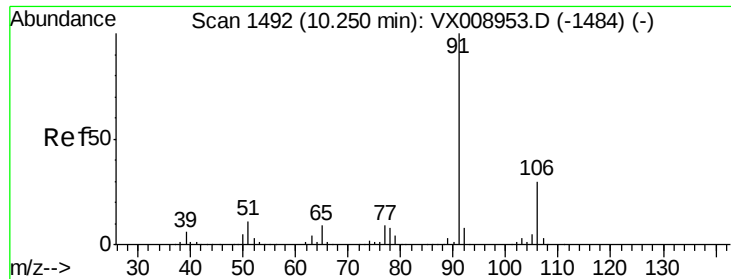
MMDadoda  
4/16/2019 10:52:45 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 4.956 ug/l  
RT: 10.22 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Tgt Ion:131 Resp: 12906  
Ion Ratio Lower Upper  
131 100  
133 95.3 48.0 144.2  
119 67.4 33.7 101.1





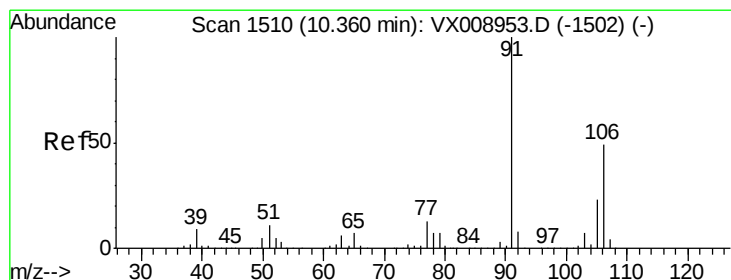
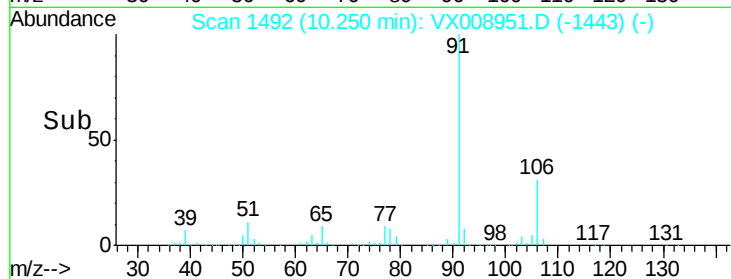
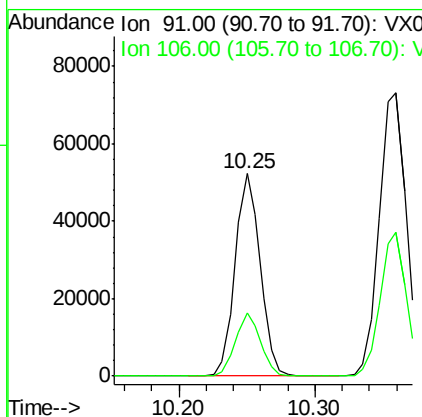
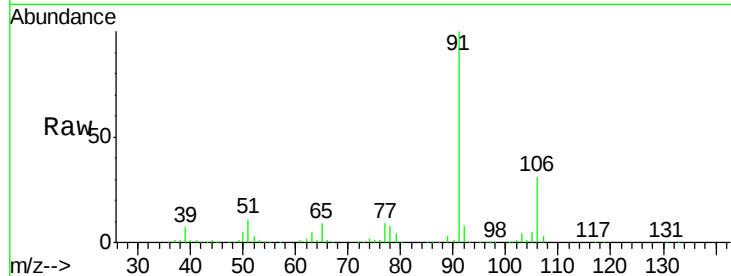
#67  
Ethyl Benzene  
Concen: 4.883 ug/l  
RT: 10.25 min Scan# 1492  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tot Ion: 91 Resp: 67429  
Ion Ratio Lower Upper  
91 100  
106 31.4 24.3 36.5

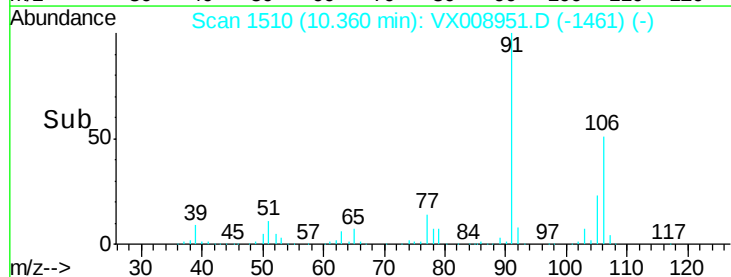
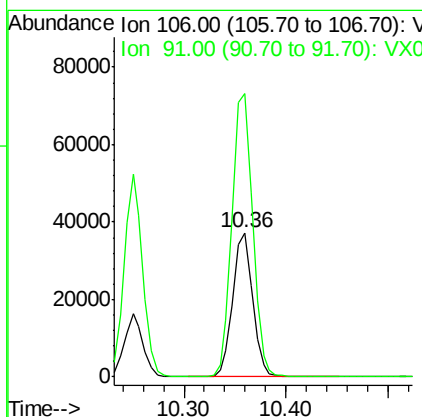
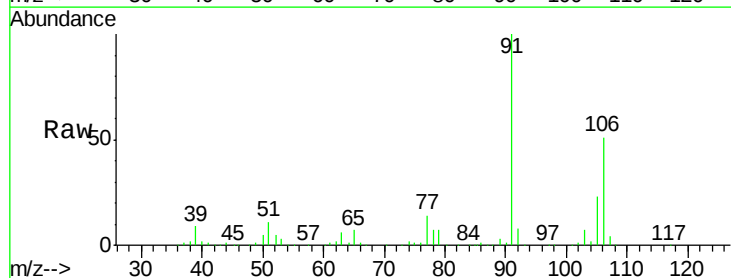
Manual Integrations  
APPROVED

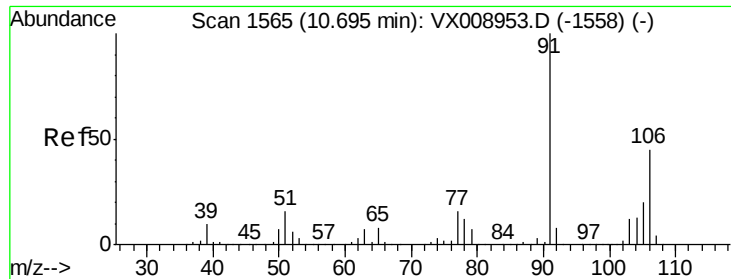
MMDadoda  
4/16/2019 10:52:45 AM



#68  
m/p-Xylenes  
Concen: 10.040 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Tgt Ion: 106 Resp: 49918  
Ion Ratio Lower Upper  
106 100  
91 203.9 165.4 248.2





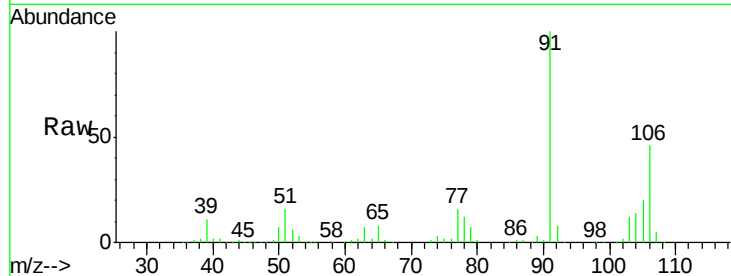
#69  
o-Xylene  
Concen: 4.968 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

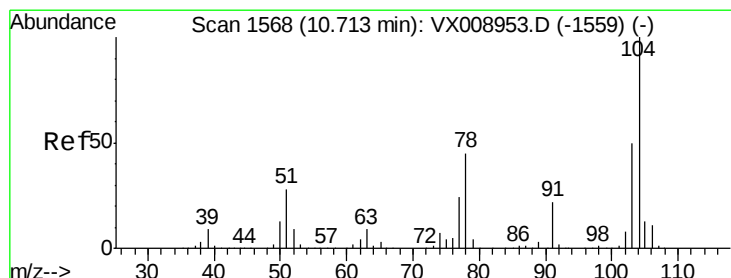
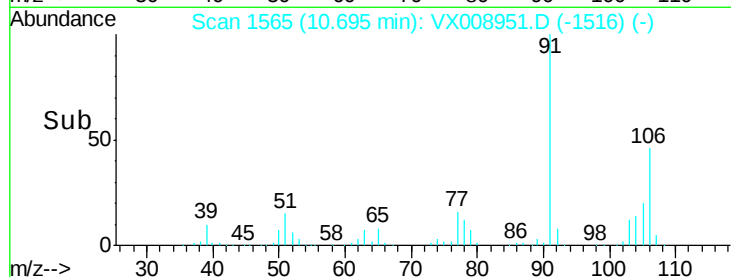
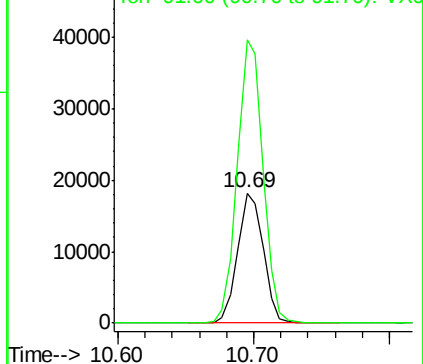
Tot Ion:106 Resp: 23943  
Ion Ratio Lower Upper  
106 100  
91 218.0 108.9 326.7

Manual Integrations  
APPROVED

MMDadoda  
4/16/2019 10:52:45 AM

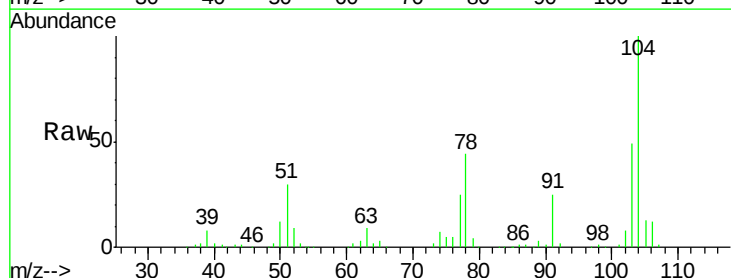


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

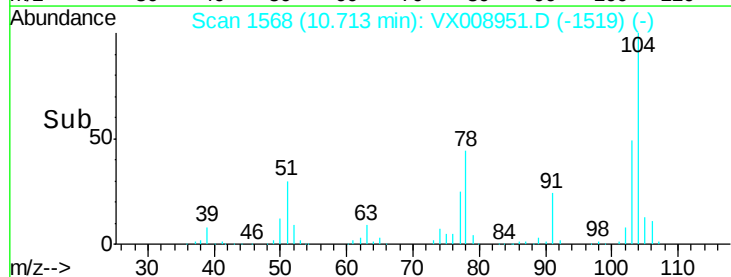
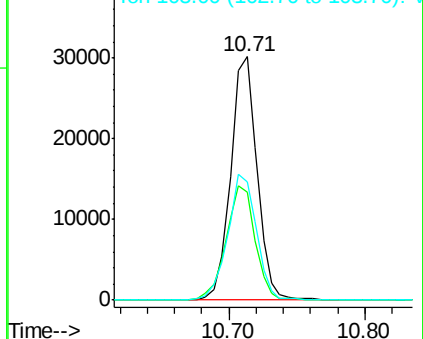


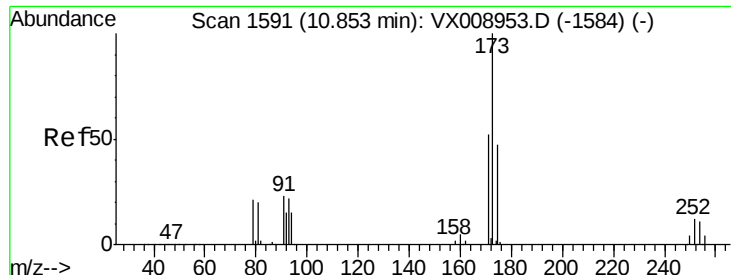
#70  
Styrene  
Concen: 4.900 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Tgt Ion:104 Resp: 40711  
Ion Ratio Lower Upper  
104 100  
78 51.9 41.2 61.8  
103 56.5 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VX0  
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 4.736 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 9466

Ion Ratio Lower Upper

173 100

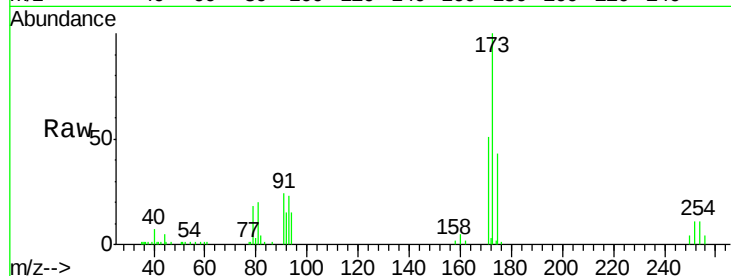
175 48.0 23.9 71.8

254 0.0 0.2 0.4#

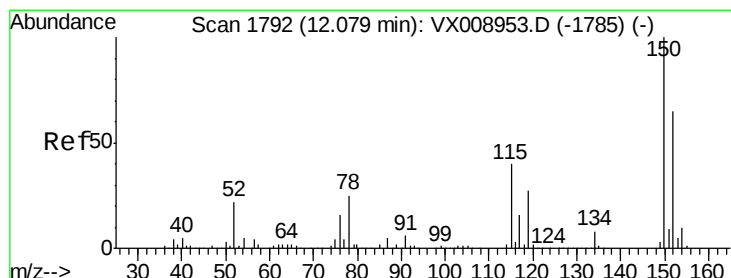
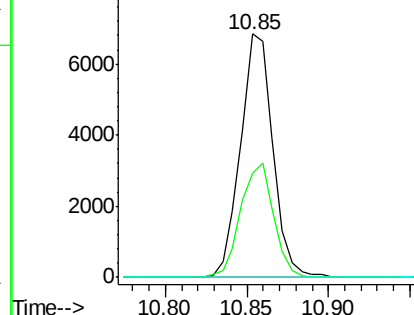
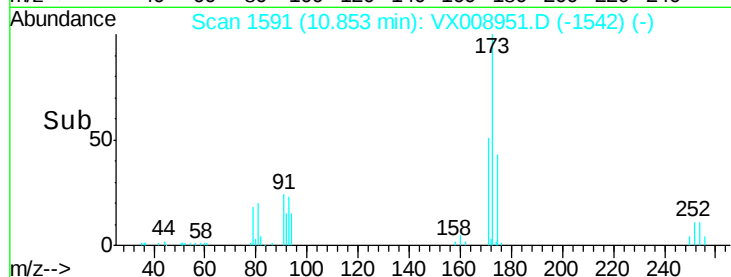
Manual Integrations  
APPROVED

MMDadoda

4/16/2019 10:52:45 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# 1792

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

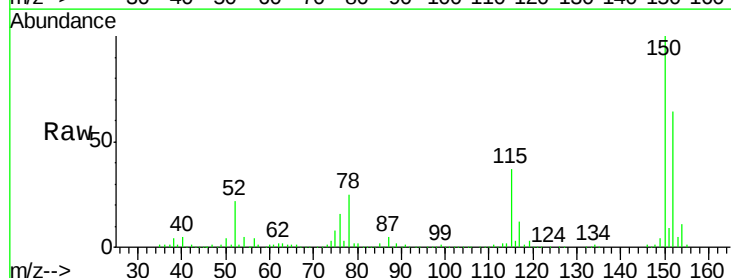
Tgt Ion:152 Resp: 160174

Ion Ratio Lower Upper

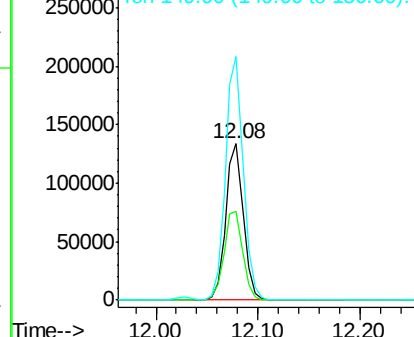
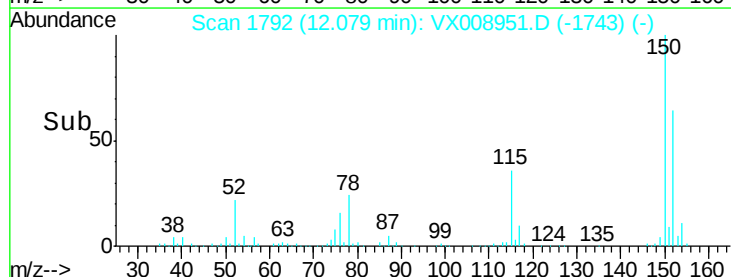
152 100

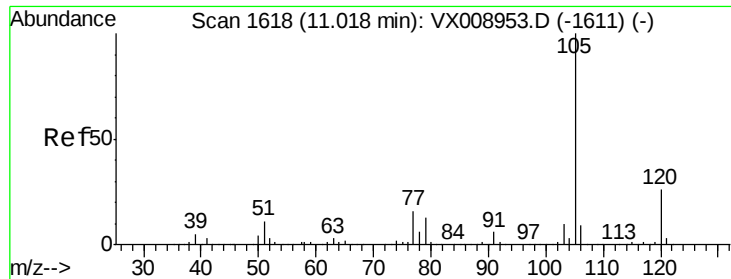
115 61.4 41.4 124.2

150 158.1 0.0 349.8



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: 4.953 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 64228

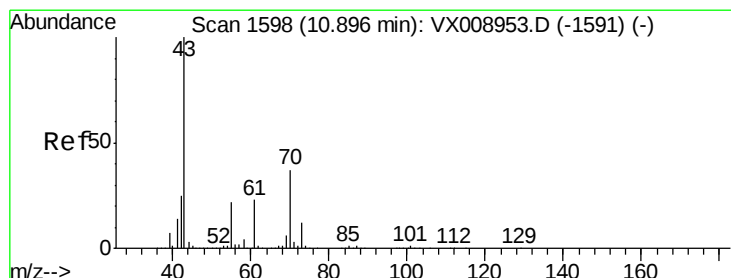
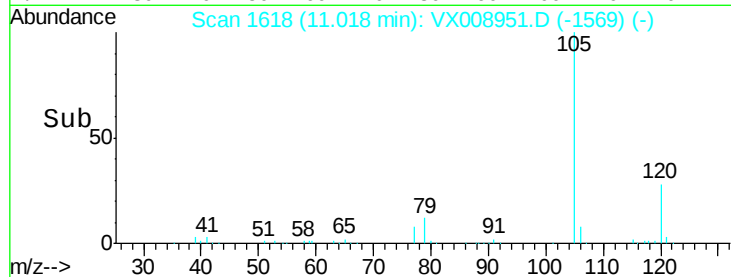
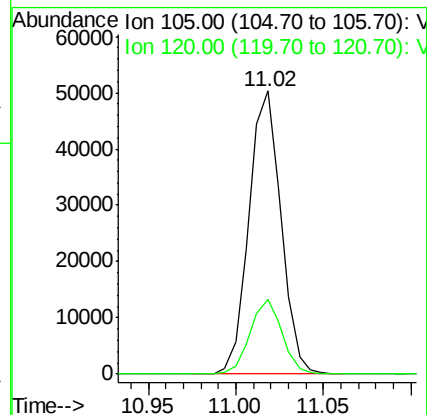
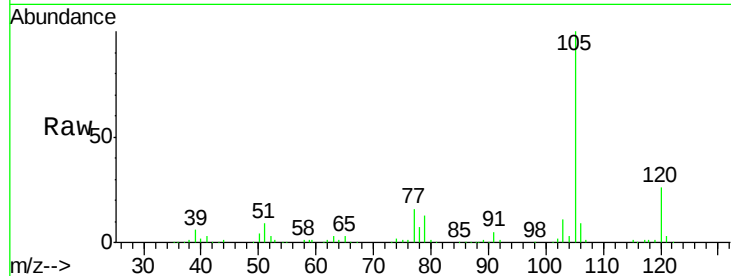
Ion Ratio Lower Upper

105 100

120 26.2 12.9 38.7

Manual Integrations  
APPROVED

MMDadoda  
4/16/2019 10:52:45 AM



#74

N-ethyl acetate

Concen: 4.597 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Tgt Ion: 43 Resp: 35049

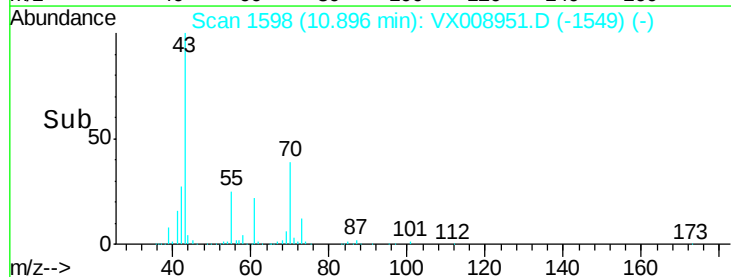
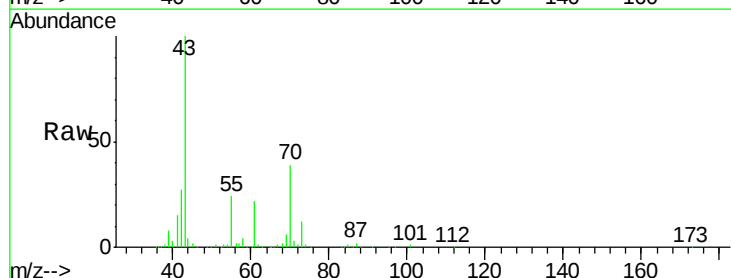
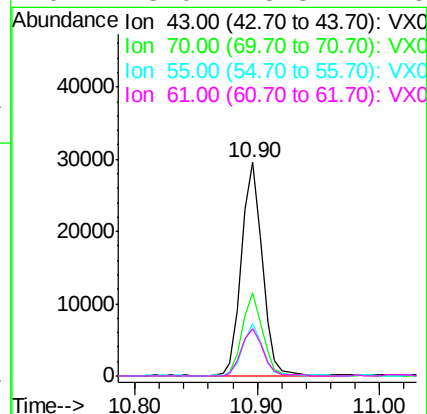
Ion Ratio Lower Upper

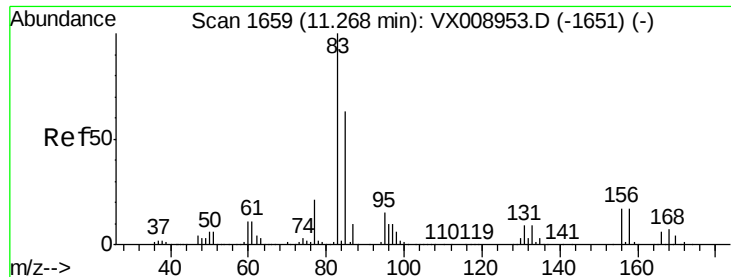
43 100

70 37.9 29.9 44.9

55 23.6 17.8 26.8

61 23.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 4.672 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 22978

Ion Ratio Lower Upper

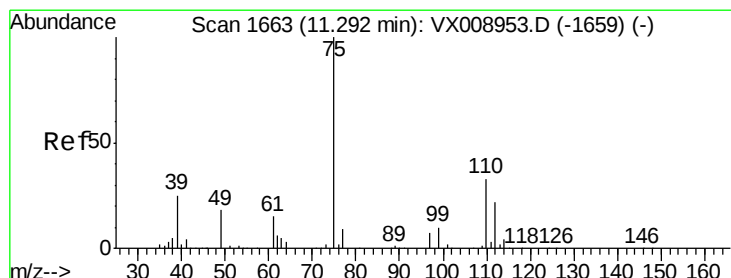
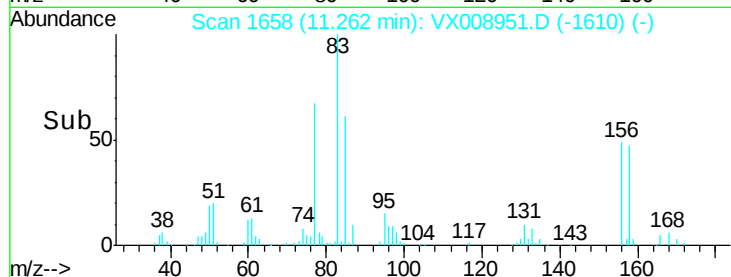
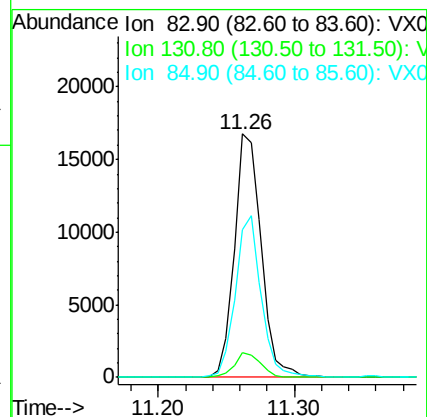
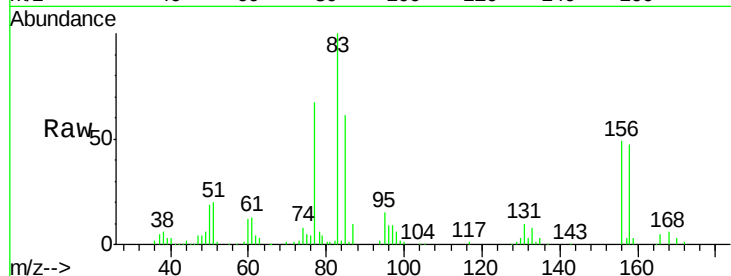
83 100

131 9.8 4.7 14.0

85 63.8 31.9 95.9

Manual Integrations  
APPROVED

MMDadoda  
4/16/2019 10:52:45 AM



#76

1,2,3-Trichloropropane

Concen: 4.804 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX008951.D

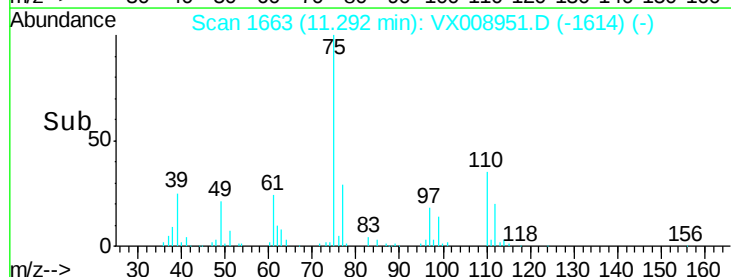
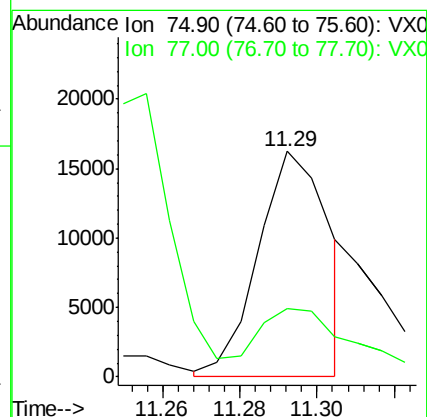
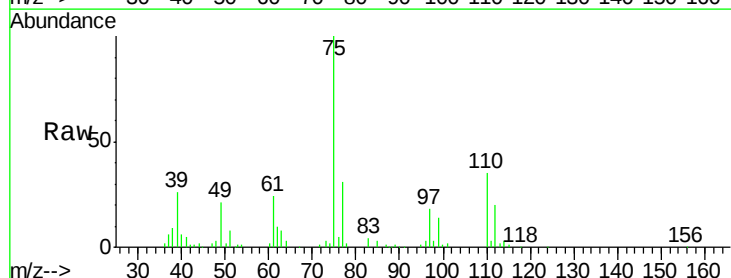
Acq: 15 Apr 2019 10:22

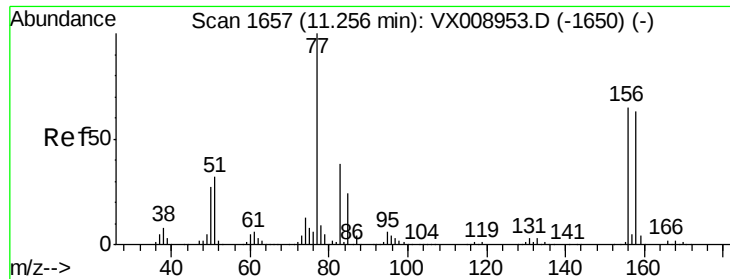
Tgt Ion: 75 Resp: 20637

Ion Ratio Lower Upper

75 100

77 42.5 22.7 68.0





#77

Bromobenzene

Concen: 4.991 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 15645

Ion Ratio Lower Upper

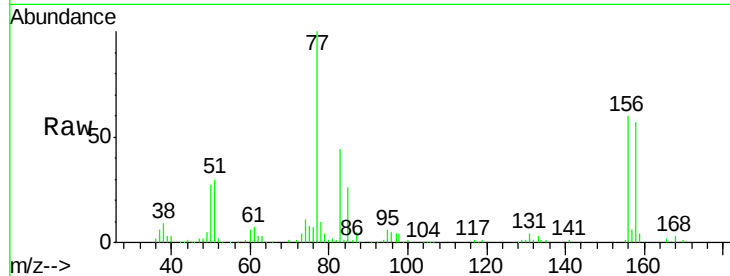
156 100

77 174.6 85.4 256.1

158 97.8 48.8 146.4

Manual Integrations  
APPROVED

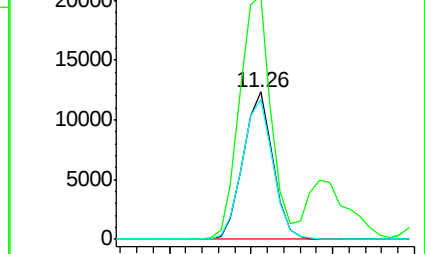
MMDadoda  
4/16/2019 10:52:45 AM



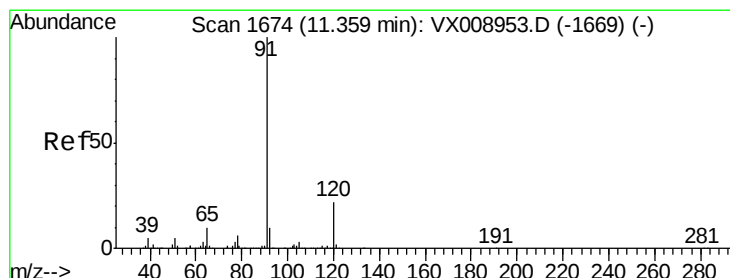
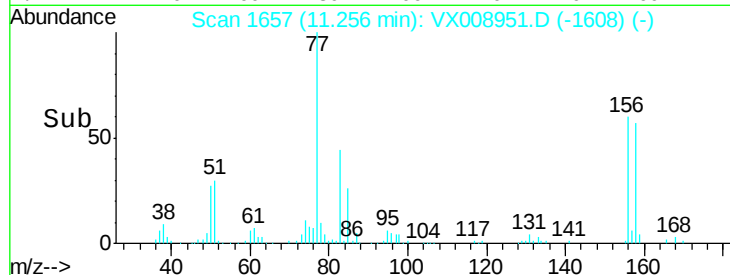
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 4.818 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008951.D

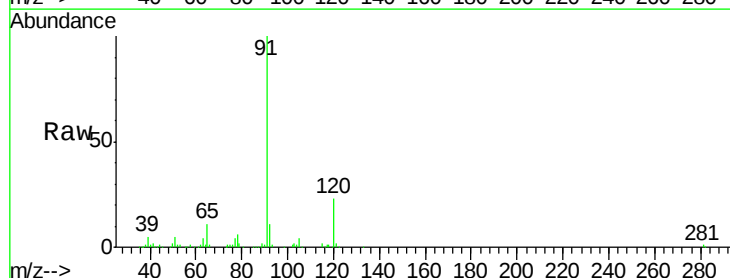
Acq: 15 Apr 2019 10:22

Tgt Ion: 91 Resp: 72714

Ion Ratio Lower Upper

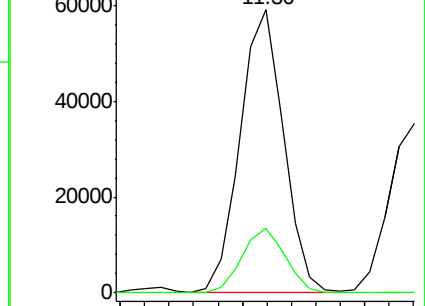
91 100

120 22.8 10.9 32.9

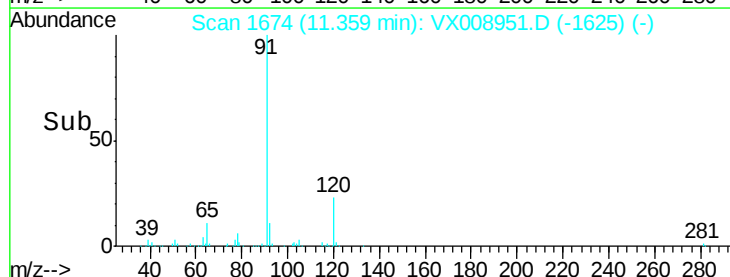


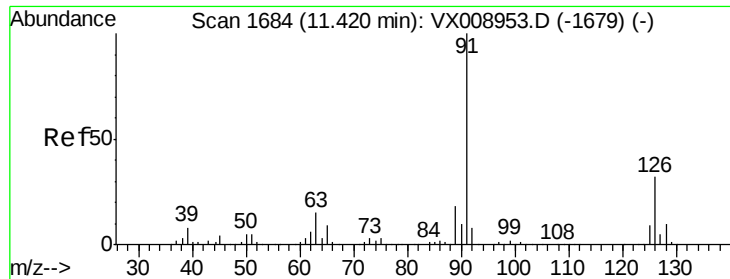
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



Time-->





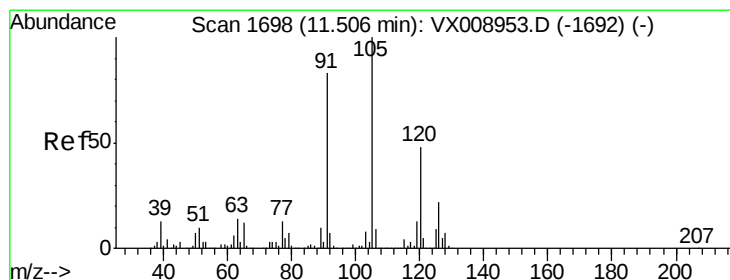
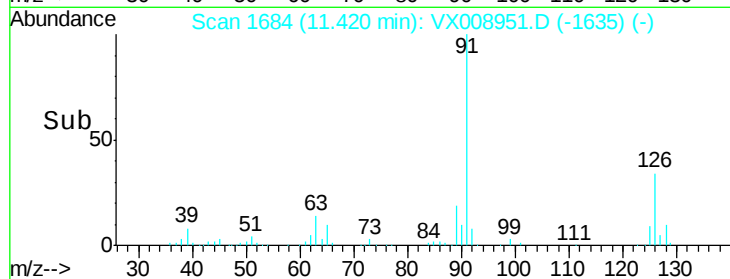
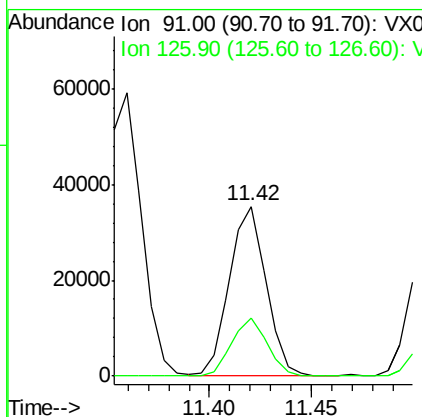
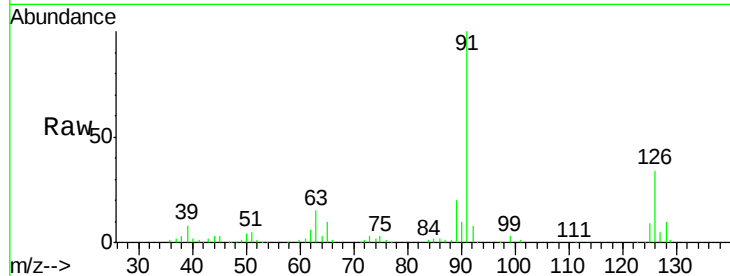
#79  
 2-Chlorotoluene  
 Concen: 4.811 ug/l  
 RT: 11.42 min Scan# 1684  
 Delta R.T. -0.00 min  
 Lab File: VX008951.D  
 Acq: 15 Apr 2019 10:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 91 Resp: 43919  
 Ion Ratio Lower Upper  
 91 100  
 126 33.5 16.3 48.9

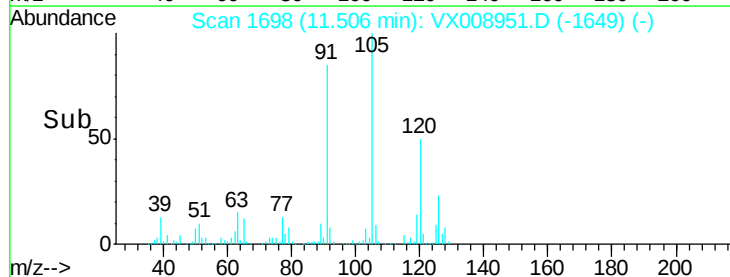
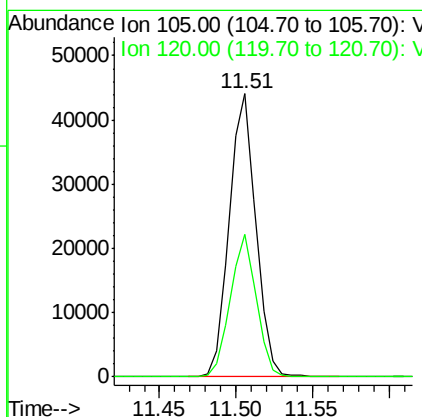
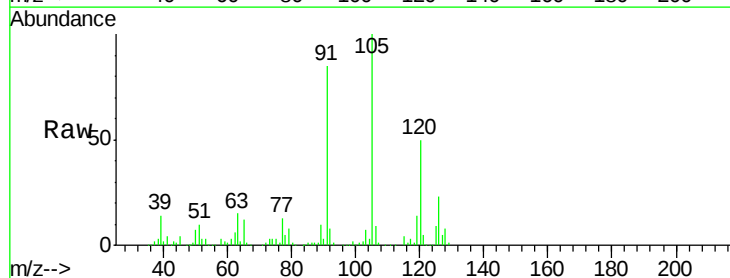
Manual Integrations  
 APPROVED

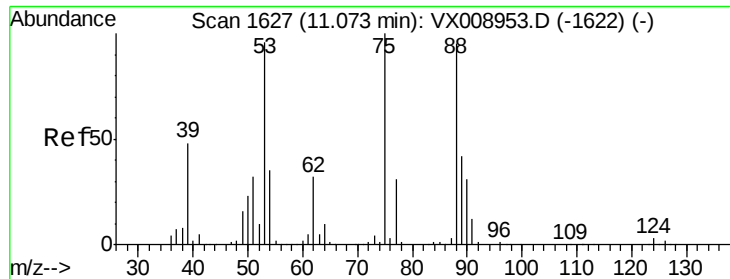
MMDadoda  
 4/16/2019 10:52:45 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 4.880 ug/l  
 RT: 11.51 min Scan# 1698  
 Delta R.T. -0.00 min  
 Lab File: VX008951.D  
 Acq: 15 Apr 2019 10:22

Tgt Ion: 105 Resp: 53032  
 Ion Ratio Lower Upper  
 105 100  
 120 49.4 24.1 72.3





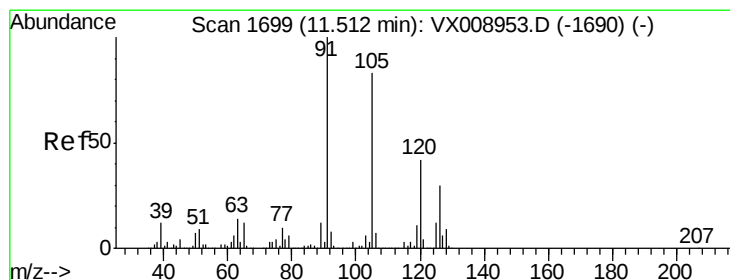
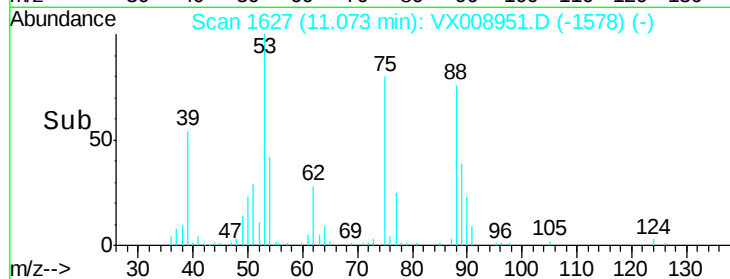
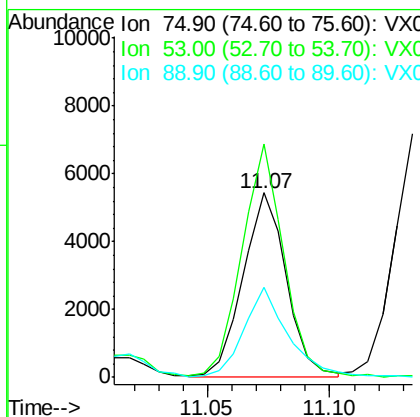
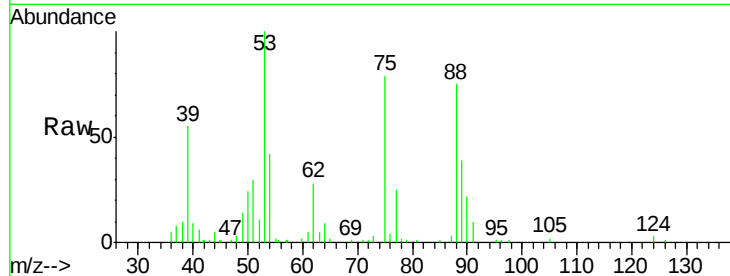
#81  
trans-1,4-Dichloro-2-butene  
Concen: 4.309 ug/l  
RT: 11.07 min Scan# 1627  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tot Ion: 75 Resp: 6772  
Ion Ratio Lower Upper  
75 100  
53 121.6 78.2 117.4#  
89 50.8 36.0 54.0

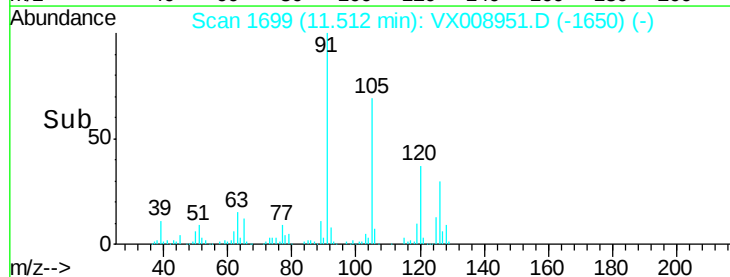
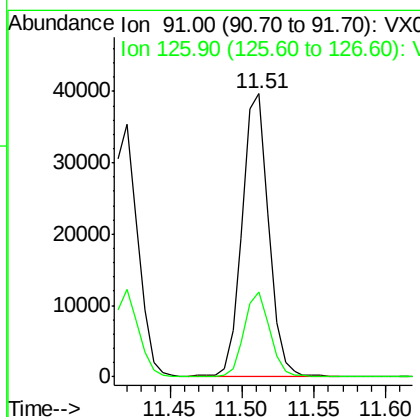
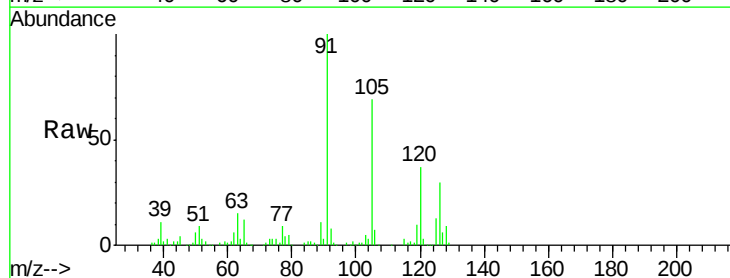
Manual Integrations  
APPROVED

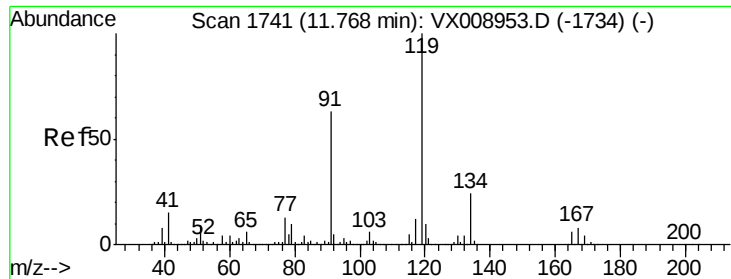
MMDadoda  
4/16/2019 10:52:45 AM



#82  
4-Chlorotoluene  
Concen: 4.737 ug/l  
RT: 11.51 min Scan# 1699  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Tgt Ion: 91 Resp: 50074  
Ion Ratio Lower Upper  
91 100  
126 29.3 14.3 42.9





#83

tert-Butylbenzene

Concen: 4.826 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

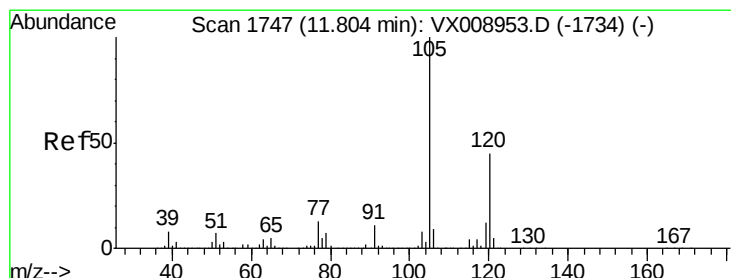
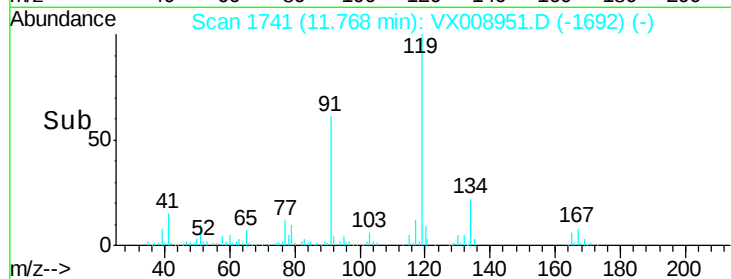
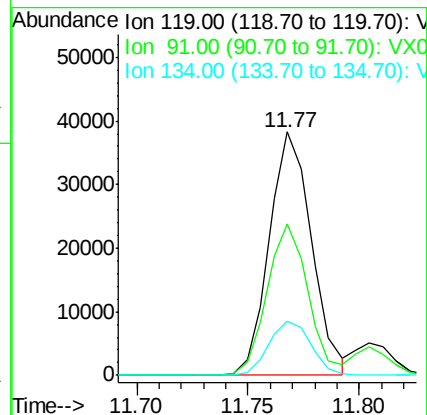
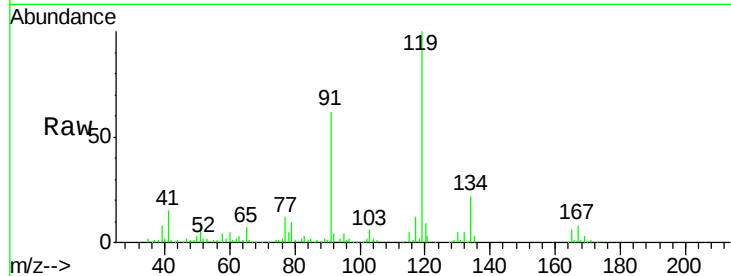
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 119   | Resp: | 50516 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 91        | 60.3  | 29.7  | 89.1  |
| 134       | 22.2  | 11.2  | 33.5  |

Manual Integrations  
APPROVED

MMDadoda  
4/16/2019 10:52:45 AM



#84

1,2,4-Trimethylbenzene

Concen: 4.955 ug/l

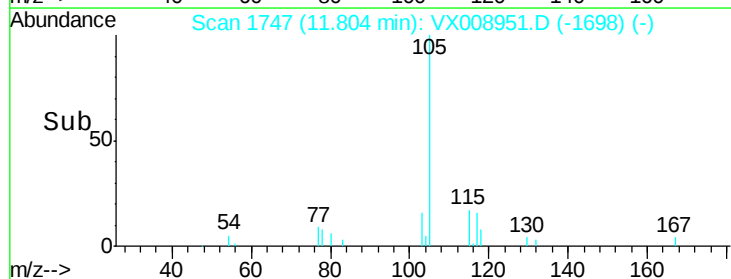
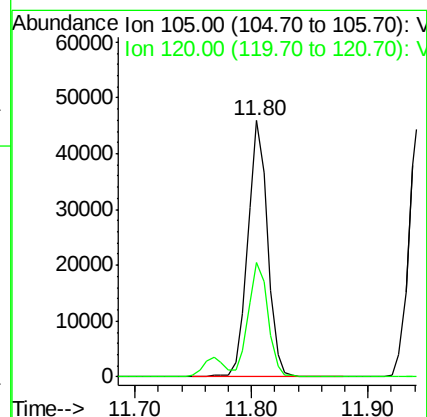
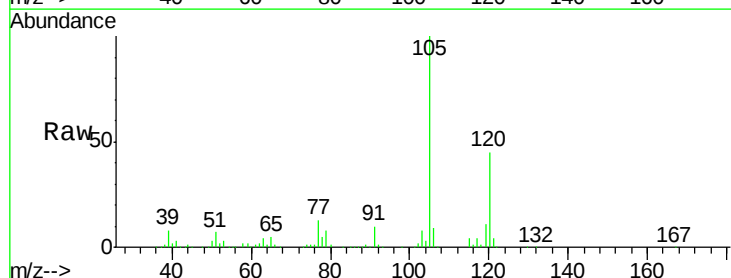
RT: 11.80 min Scan# 1747

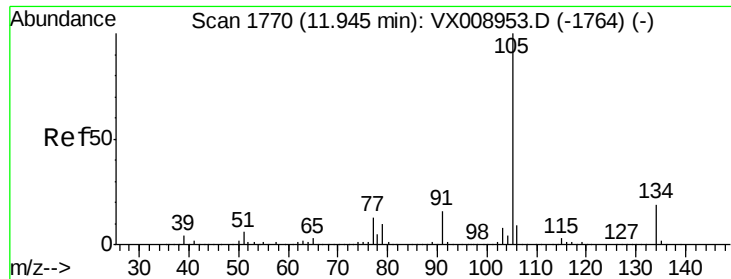
Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 54551 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 43.8  | 21.9  | 65.8  |





#85

sec-Butylbenzene

Concen: 4.955 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 61616

Ion Ratio Lower Upper

105 100

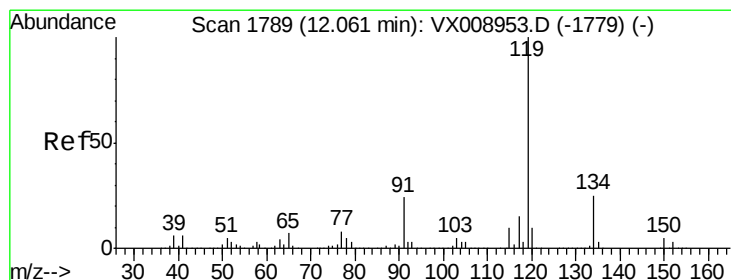
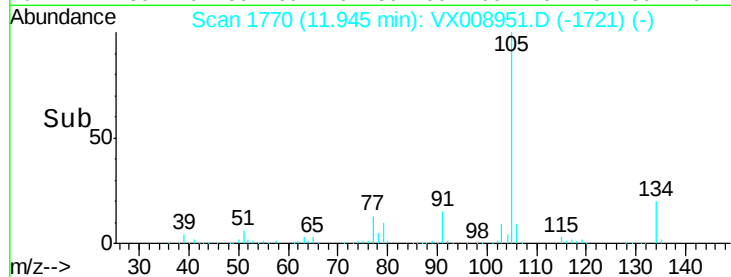
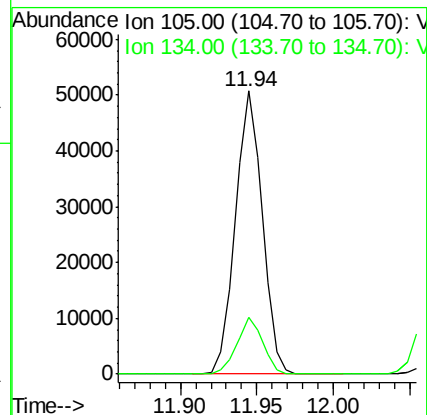
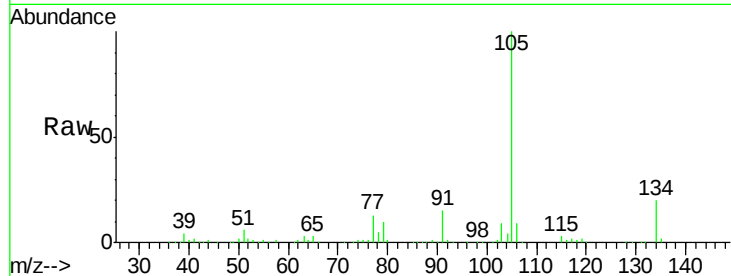
134 19.2 9.6 28.6

Manual Integrations

APPROVED

MMDadoda

4/16/2019 10:52:45 AM



#86

p-Isopropyltoluene

Concen: 5.027 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

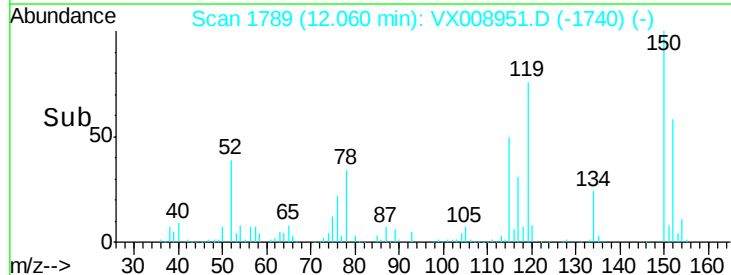
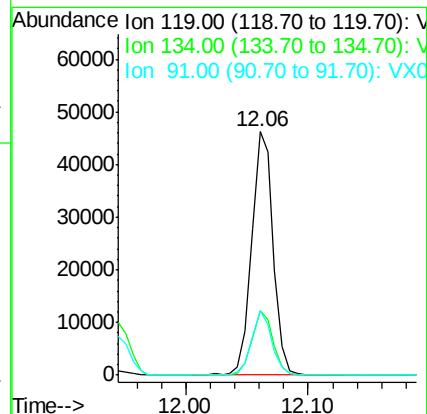
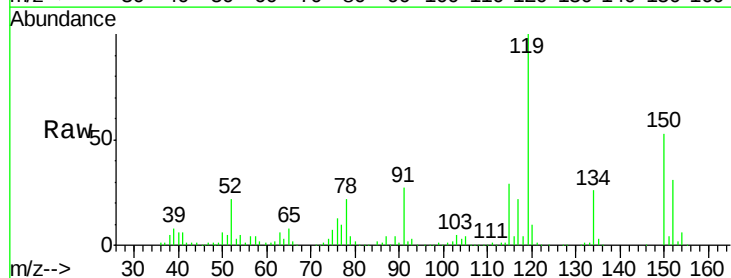
Tgt Ion:119 Resp: 56275

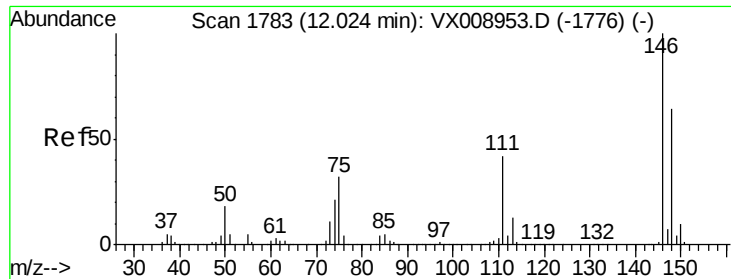
Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.6

91 25.1 11.9 35.5





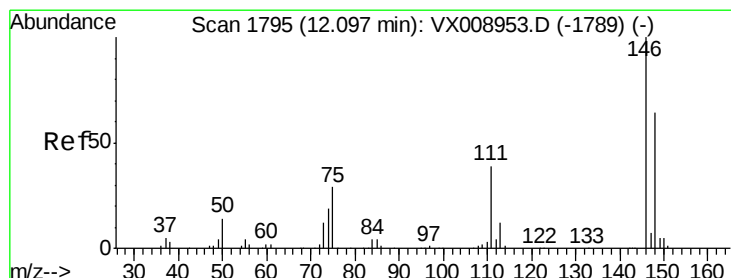
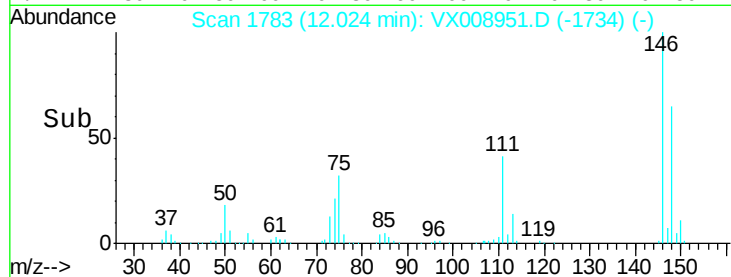
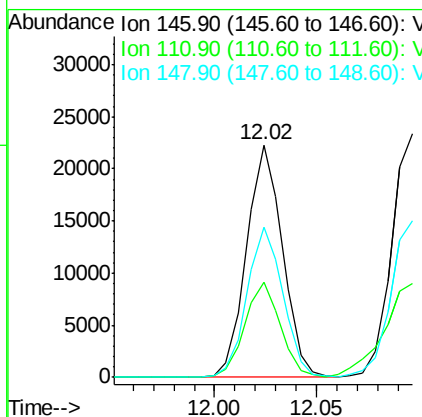
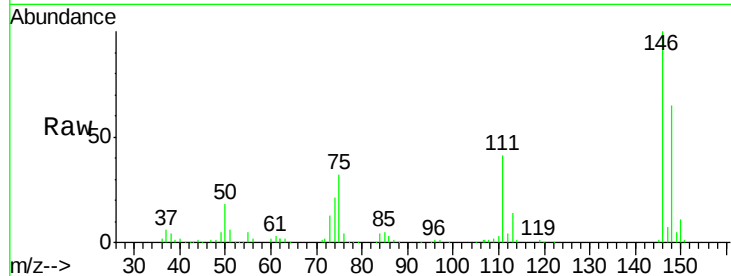
#87  
 1,3-Dichlorobenzene  
 Concen: 4.877 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. -0.00 min  
 Lab File: VX008951.D  
 Acq: 15 Apr 2019 10:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.8  | 20.5  | 61.6  |
| 148     | 64.9  | 32.2  | 96.6  |

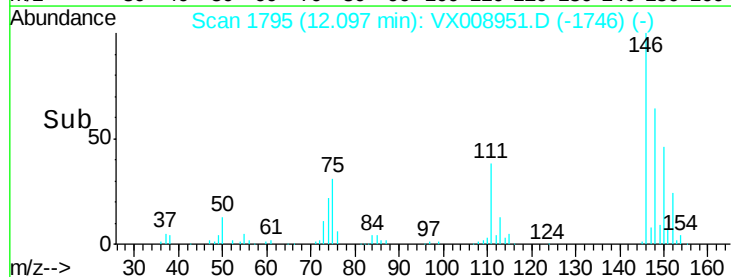
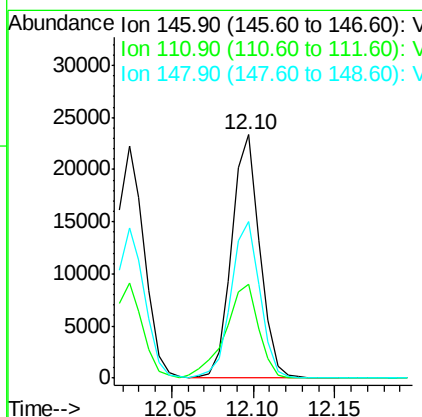
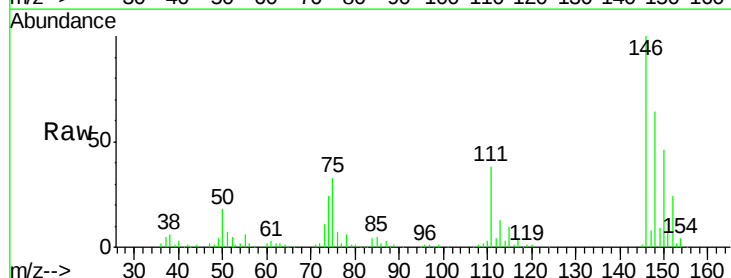
Manual Integrations  
 APPROVED

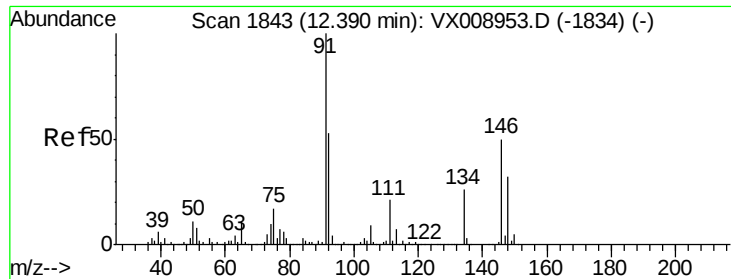
MMDadoda  
 4/16/2019 10:52:45 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 4.907 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VX008951.D  
 Acq: 15 Apr 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 45.9  | 20.0  | 59.9  |
| 148     | 66.6  | 32.2  | 96.6  |





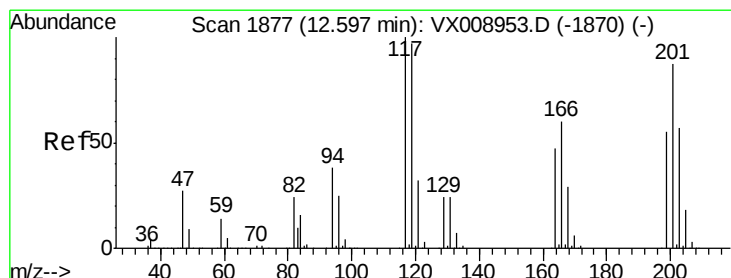
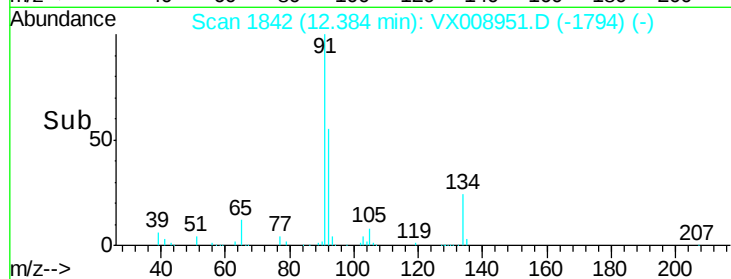
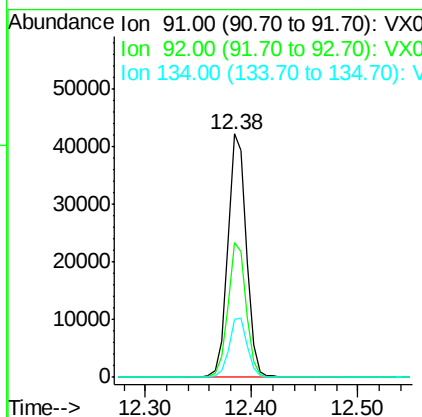
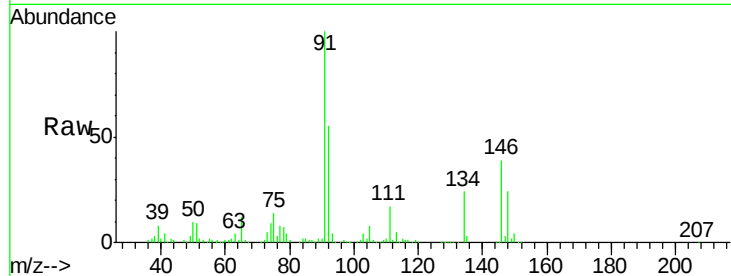
#89  
n-Butylbenzene  
Concen: 4.906 ug/l  
RT: 12.38 min Scan# 1842  
Delta R.T. -0.01 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.2  | 26.6  | 79.8  |
| 134     | 24.2  | 12.4  | 37.2  |

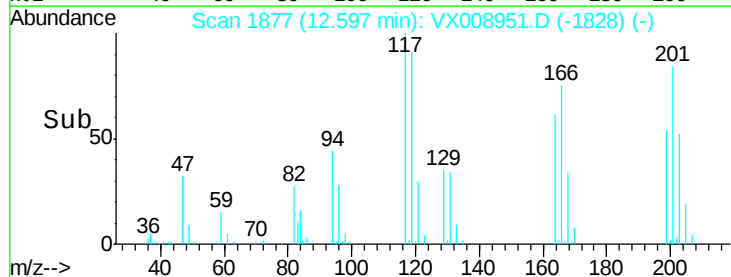
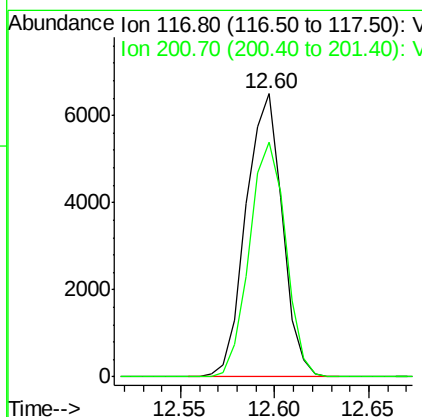
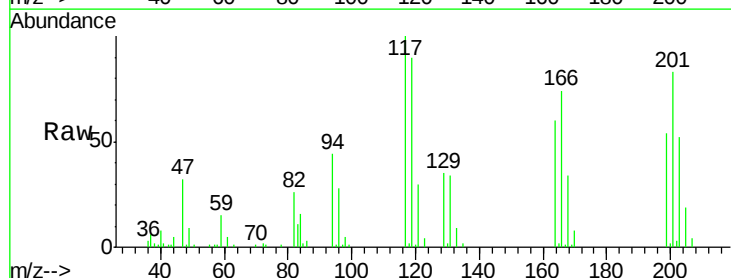
Manual Integrations  
APPROVED

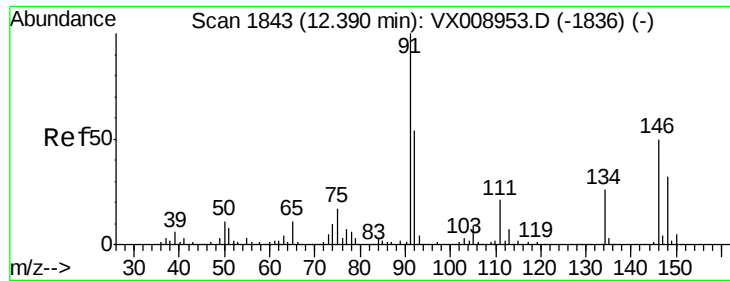
MMDadoda  
4/16/2019 10:52:45 AM



#90  
Hexachloroethane  
Concen: 4.679 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. -0.00 min  
Lab File: VX008951.D  
Acq: 15 Apr 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 82.8  | 43.0  | 129.0 |





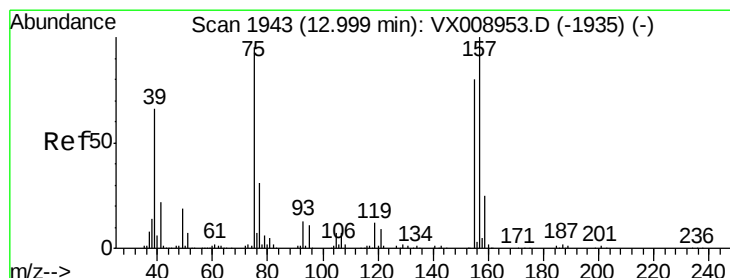
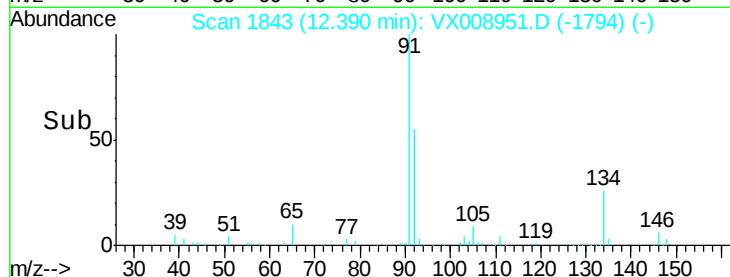
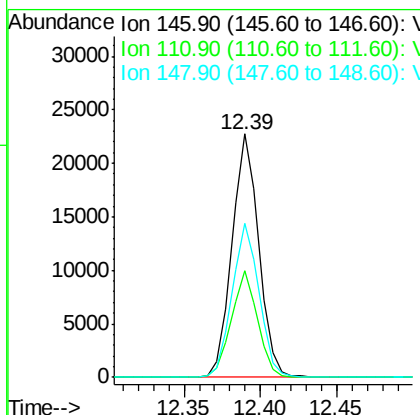
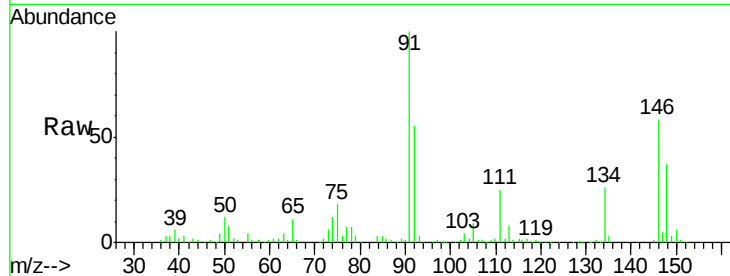
#91  
 1,2-Dichlorobenzene  
 Concen: 4.925 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. -0.00 min  
 Lab File: VX008951.D  
 Acq: 15 Apr 2019 10:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.1  | 20.6  | 61.9  |
| 148     | 64.0  | 32.0  | 96.2  |

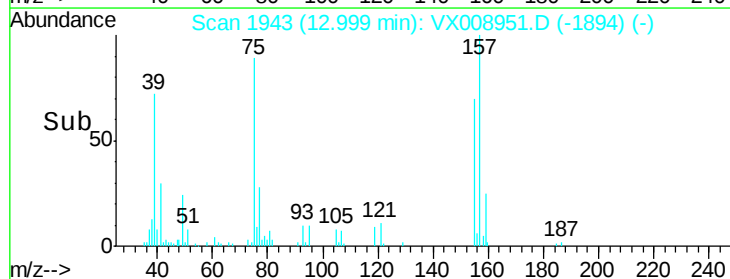
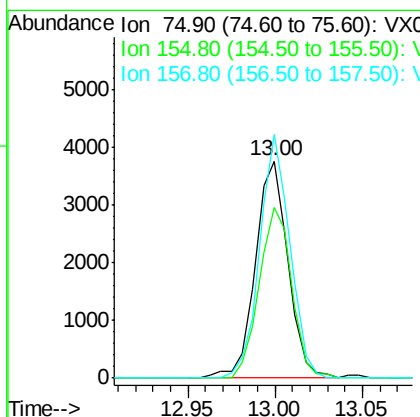
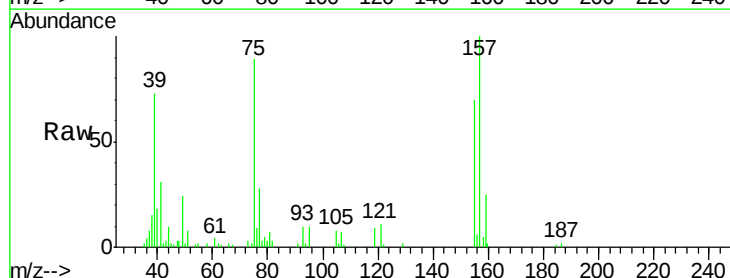
Manual Integrations  
 APPROVED

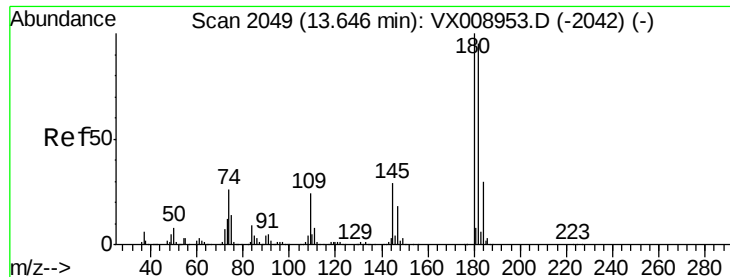
MMDadoda  
 4/16/2019 10:52:45 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 4.530 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VX008951.D  
 Acq: 15 Apr 2019 10:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 78.2  | 41.2  | 123.6 |
| 157     | 104.4 | 52.5  | 157.6 |





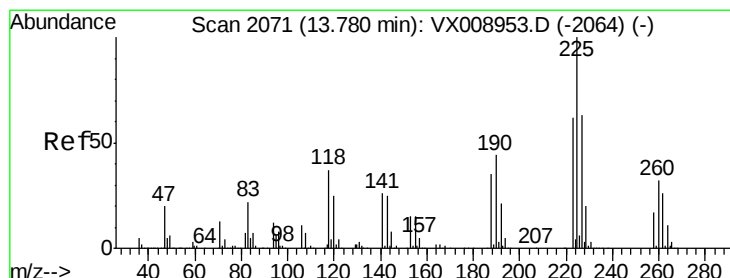
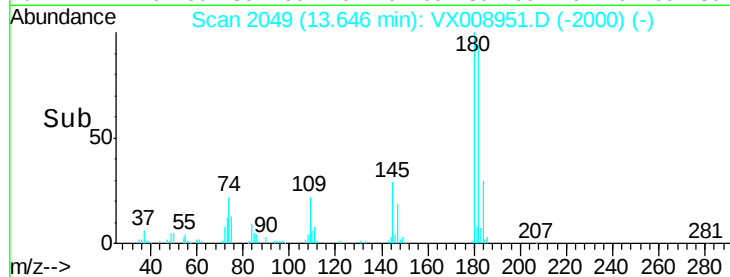
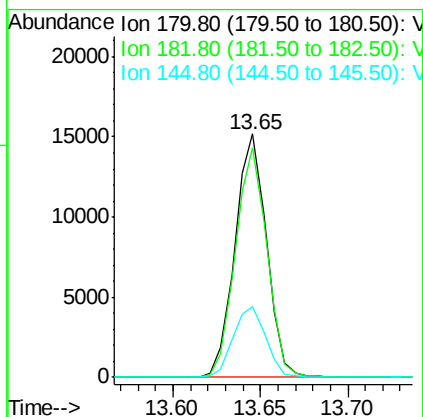
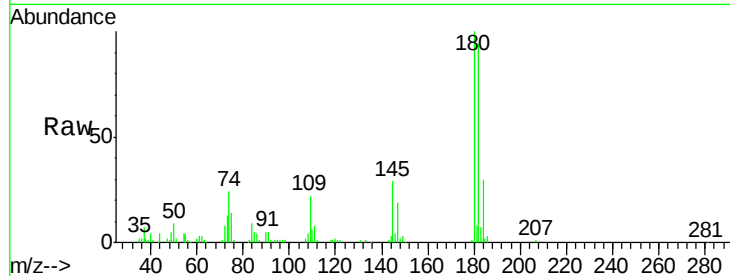
#93  
 1,2,4-Trichlorobenzene  
 Concen: 4.863 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. -0.00 min  
 Lab File: VX008951.D  
 Acq: 15 Apr 2019 10:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 18991 |       |       |
| 182     | 94.4  | 47.6  | 142.9 |       |
| 145     | 30.0  | 14.8  | 44.4  |       |

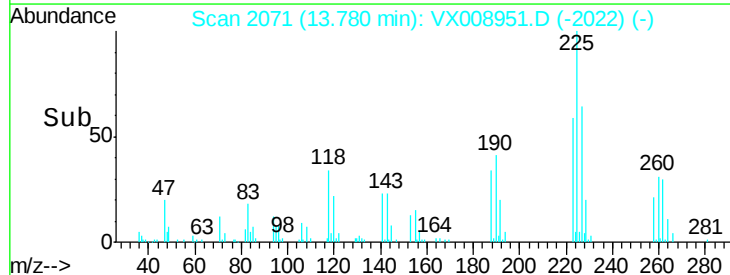
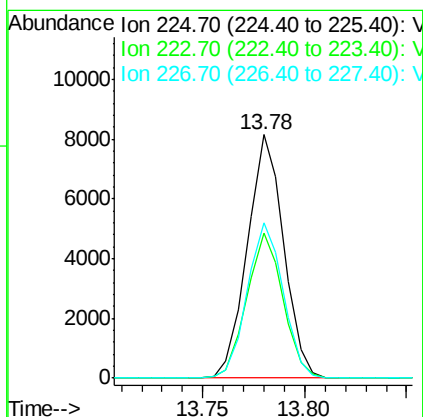
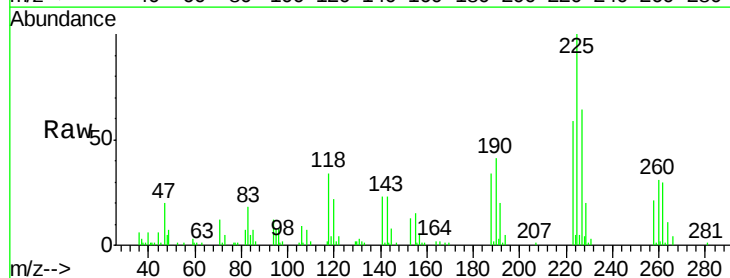
Manual Integrations  
 APPROVED

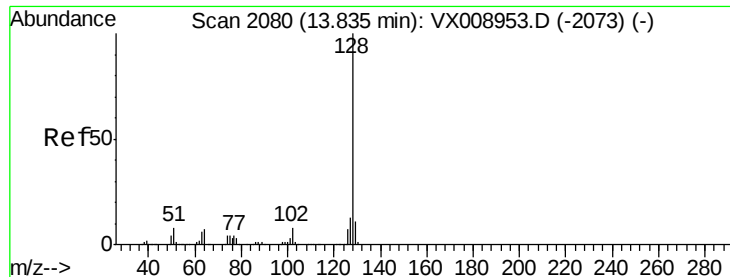
MMDadoda  
 4/16/2019 10:52:45 AM



#94  
 Hexachlorobutadiene  
 Concen: 5.394 ug/l  
 RT: 13.78 min Scan# 2071  
 Delta R.T. -0.00 min  
 Lab File: VX008951.D  
 Acq: 15 Apr 2019 10:22

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 10095 |       |       |
| 223     | 59.3  | 31.1  | 93.2  |       |
| 227     | 63.0  | 32.0  | 96.2  |       |





#95

Naphthalene

Concen: 4.600 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

Instrument :

MSVOA\_X

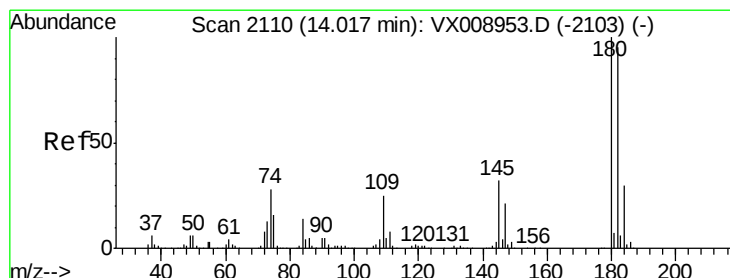
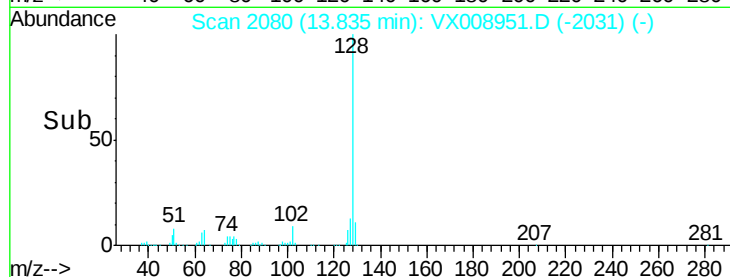
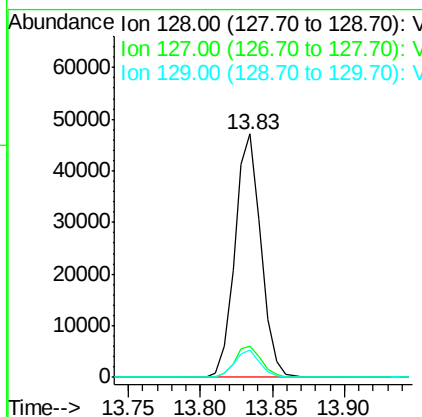
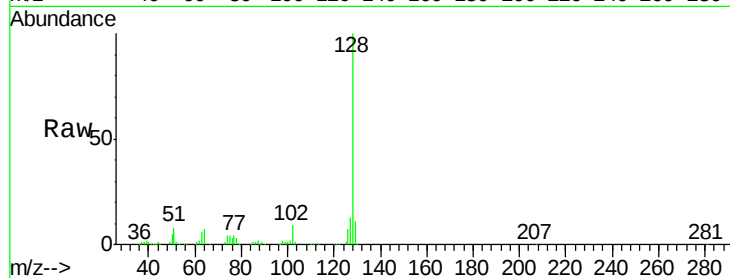
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 128   | Resp: | 59479 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 13.2  | 10.6  | 16.0  |
| 129      | 11.2  | 8.6   | 13.0  |

Manual Integrations  
APPROVED

MMDadoda  
4/16/2019 10:52:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 4.979 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008951.D

Acq: 15 Apr 2019 10:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 19387 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 94.8  | 47.8  | 143.4 |
| 145      | 31.8  | 15.8  | 47.3  |

