

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081319\  
 Data File : VX011537.D  
 Acq On : 13 Aug 2019 15:41  
 Operator : JC/SP  
 Sample : K4279-06MS  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0668MS

Manual Integrations  
 APPROVED

MMDadoda  
 8/14/2019 11:32:00 AM

Quant Time: Aug 14 02:11:15 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080119W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 02 01:55:00 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 162025   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 244213   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 230709   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 128359   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.06   | 65  | 95649    | 58.62 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 117.24% |      |
| 35) Dibromofluoromethane  | 5.49   | 113 | 81995    | 51.43 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.86% |      |
| 50) Toluene-d8            | 8.71   | 98  | 302266   | 50.22 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.44% |      |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 120047   | 55.87 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 111.74% |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 53917  | 43.086  | ug/l   | 99     |
| 3) Chloromethane              | 1.32 | 50  | 58730  | 41.793  | ug/l   | 100    |
| 4) Vinyl Chloride             | 1.40 | 62  | 65446  | 42.339  | ug/l   | 99     |
| 5) Bromomethane               | 1.63 | 94  | 49344  | 44.759  | ug/l   | 95     |
| 6) Chloroethane               | 1.71 | 64  | 43793  | 45.527  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 119104 | 43.335  | ug/l   | 98     |
| 8) Diethyl Ether              | 2.18 | 74  | 42445  | 43.249  | ug/l   | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 68111  | 45.800  | ug/l   | 97     |
| 10) Methyl Iodide             | 2.50 | 142 | 82251  | 43.869  | ug/l   | 97     |
| 11) Tert butyl alcohol        | 3.04 | 59  | 89456  | 274.935 | ug/l   | 100    |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 67228  | 45.604  | ug/l   | 90     |
| 13) Acrolein                  | 2.29 | 56  | 47994  | 237.333 | ug/l   | 99     |
| 14) Allyl chloride            | 2.72 | 41  | 106064 | 53.969  | ug/l   | 96     |
| 15) Acrylonitrile             | 3.14 | 53  | 210955 | 271.695 | ug/l   | 98     |
| 16) Acetone                   | 2.43 | 43  | 180147 | 231.955 | ug/l   | 93     |
| 17) Carbon Disulfide          | 2.56 | 76  | 145369 | 42.022  | ug/l   | 98     |
| 18) Methyl Acetate            | 2.76 | 43  | 97579  | 54.979  | ug/l   | 97     |
| 19) Methyl tert-butyl Ether   | 3.18 | 73  | 240355 | 55.327  | ug/l # | 71     |
| 20) Methylene Chloride        | 2.85 | 84  | 79668  | 46.839  | ug/l   | 96     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 74140  | 47.544  | ug/l   | 89     |
| 22) Diisopropyl ether         | 3.85 | 45  | 231161 | 53.518  | ug/l   | 99     |
| 23) Vinyl Acetate             | 3.81 | 43  | 988210 | 275.846 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 132527 | 52.034  | ug/l   | 98     |
| 25) 2-Butanone                | 4.67 | 43  | 294258 | 266.350 | ug/l   | 96     |
| 26) 2,2-Dichloropropane       | 4.57 | 77  | 99845  | 50.430  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96  | 89971  | 50.090  | ug/l   | 96     |
| 28) Bromochloromethane        | 5.01 | 49  | 61467  | 52.938  | ug/l   | 95     |
| 29) Tetrahydrofuran           | 5.12 | 42  | 183697 | 271.181 | ug/l   | 99     |
| 30) Chloroform                | 5.20 | 83  | 148295 | 53.572  | ug/l   | 97     |
| 31) Cyclohexane               | 5.57 | 56  | 278368 | 132.476 | ug/l   | 100    |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 131278 | 55.361  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 102882 | 48.252  | ug/l   | 98     |
| 37) Ethyl Acetate             | 4.82 | 43  | 106791 | 49.931  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 111494 | 51.975  | ug/l   | 95     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081319\  
 Data File : VX011537.D  
 Acq On : 13 Aug 2019 15:41  
 Operator : JC/SP  
 Sample : K4279-06MS  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 Z3-0668MS

Manual Integrations  
 APPROVED

MMDadoda  
 8/14/2019 11:32:00 AM

Quant Time: Aug 14 02:11:15 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080119W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 02 01:55:00 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 178082   | 70.461  | ug/l   | 97       |
| 40) Benzene                    | 6.13  | 78   | 354497   | 55.715  | ug/l   | 98       |
| 41) Methacrylonitrile          | 5.03  | 41   | 61289    | 52.472  | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 120131   | 55.835  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 6.44  | 43   | 178040   | 52.068  | ug/l   | 99       |
| 44) Trichloroethene            | 7.21  | 130  | 89519    | 46.482  | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 78632    | 47.719  | ug/l   | 94       |
| 46) Dibromomethane             | 7.66  | 93   | 59355    | 49.342  | ug/l   | 97       |
| 47) Bromodichloromethane       | 7.90  | 83   | 110024   | 54.022  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.76  | 41   | 92337    | 57.380  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 39333    | 843.107 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 606847   | 274.997 | ug/l   | 99       |
| 52) Toluene                    | 8.78  | 92   | 208183   | 49.487  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 117180   | 49.438  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 124492   | 52.328  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 87957    | 50.852  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 134223   | 54.455  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 138777   | 50.733  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.49  | 43   | 470599   | 275.322 | ug/l   | 98       |
| 60) Dibromochloromethane       | 9.58  | 129  | 96381    | 54.427  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 96769    | 51.784  | ug/l   | 97       |
| 64) Tetrachloroethene          | 9.34  | 164  | 84235    | 42.993  | ug/l   | 96       |
| 65) Chlorobenzene              | 10.13 | 112  | 239701   | 48.457  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 89224    | 52.685  | ug/l   | 98       |
| 67) Ethyl Benzene              | 10.25 | 91   | 2022365  | 244.115 | ug/l   | 98       |
| 68) m/p-Xylenes                | 10.36 | 106  | 356835   | 111.357 | ug/l   | 95       |
| 69) o-Xylene                   | 10.69 | 106  | 159033   | 50.511  | ug/l   | 95       |
| 70) Stvrene                    | 10.71 | 104  | 275114   | 52.809  | ug/l   | 98       |
| 71) Bromoform                  | 10.85 | 173  | 72877    | 48.234  | ug/l # | 100      |
| 73) Isopropylbenzene           | 11.02 | 105  | 601202   | 68.483  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.90 | 43   | 167322   | 52.748  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 142616   | 48.749  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 119561m  | 51.147  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 117394   | 48.224  | ug/l   | 95       |
| 78) n-propylbenzene            | 11.36 | 91   | 694261   | 71.114  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 292920   | 50.340  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 364145   | 49.551  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 38964    | 45.007  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 340518   | 50.214  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 363240   | 50.397  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 1539223  | 210.372 | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 445787   | 51.479  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 405068   | 50.846  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 208557   | 48.488  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 210634   | 47.491  | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.38 | 91   | 362070   | 52.754  | ug/l   | 98       |
| 90) Hexachloroethane           | 12.59 | 117  | 68840    | 58.448  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 208442   | 48.231  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 32439    | 57.232  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 146152   | 50.993  | ug/l   | 99       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081319\  
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Acq On : 13 Aug 2019 15:41  
Operator : JC/SP  
Sample : K4279-06MS  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-0668MS

Manual Integrations  
APPROVED

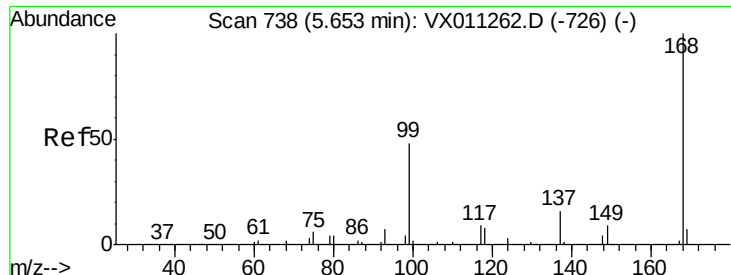
MMDadoda  
8/14/2019 11:32:00 AM

Quant Time: Aug 14 02:11:15 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080119W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 02 01:55:00 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 94) Hexachlorobutadiene    | 13.78 | 225  | 70147    | 48.240  | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 1032672  | 123.207 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 147462   | 50.608  | ug/l  | 98       |

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





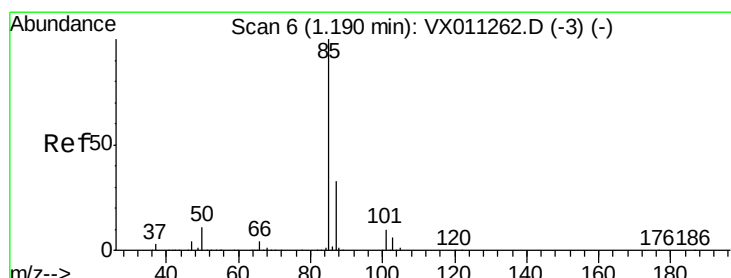
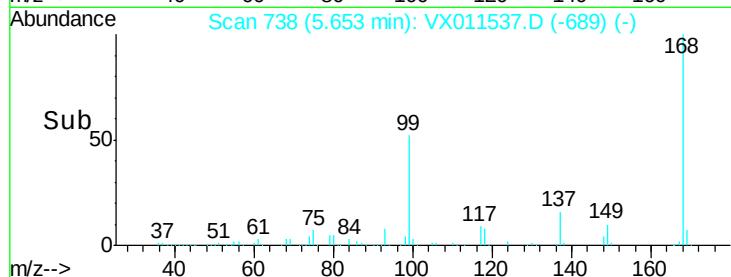
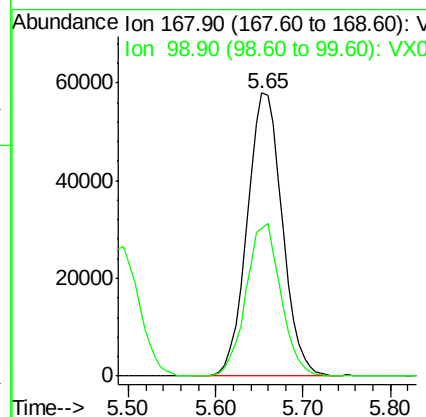
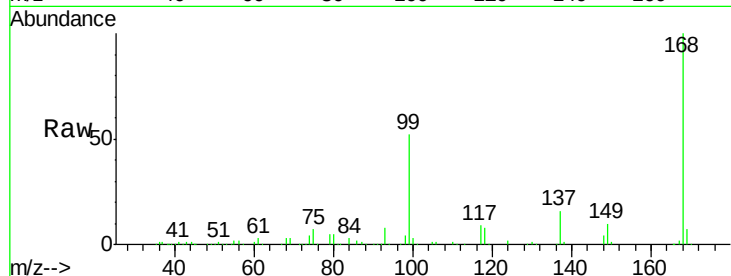
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.65 min Scan# 738  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-0668MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 162025 |       |       |
| 99      | 52.3  | 38.5   | 57.7  |       |

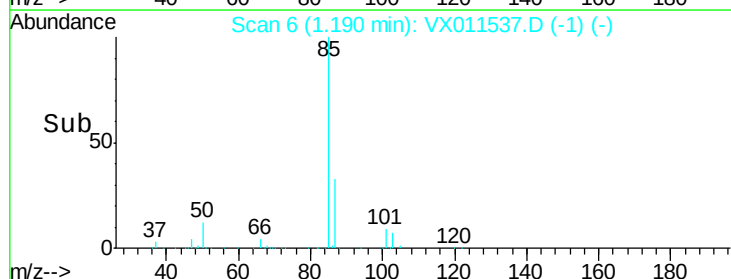
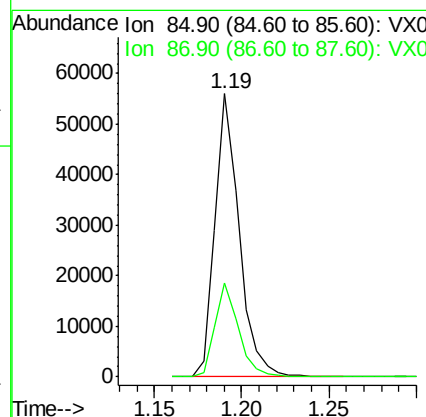
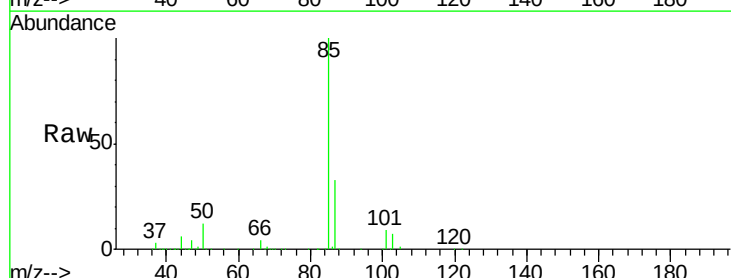
Manual Integrations  
APPROVED

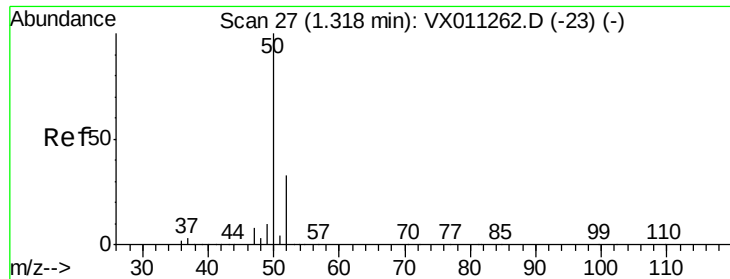
MMDadoda  
8/14/2019 11:32:00 AM



#2  
Dichlorodifluoromethane  
Concen: 43.086 ug/l  
RT: 1.19 min Scan# 6  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 85      | 100   | 53917 |       |       |
| 87      | 33.3  | 16.4  | 49.1  |       |





#3

Chloromethane

Concen: 41.793 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0668MS

Tot Ion: 50 Resp: 58730

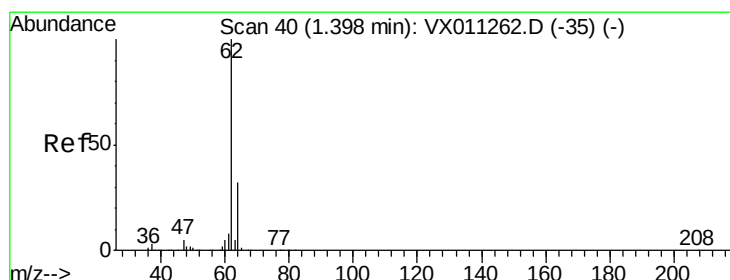
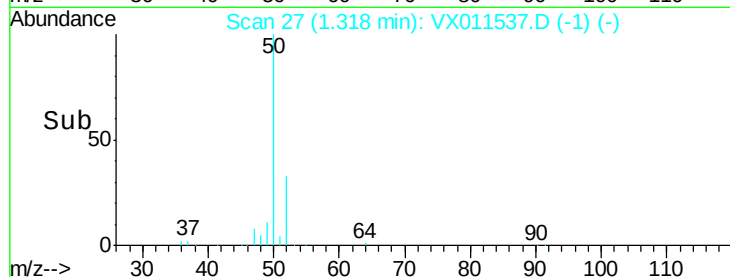
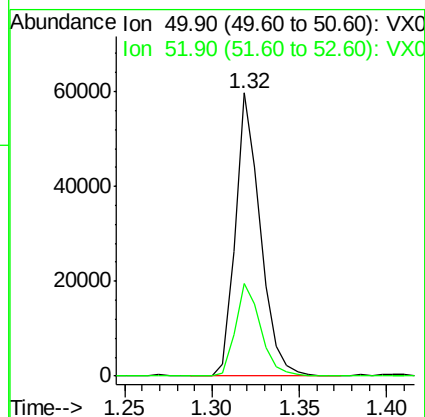
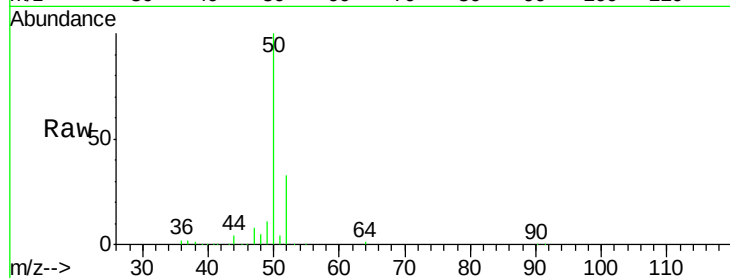
Ion Ratio Lower Upper

50 100

52 32.8 26.4 39.6

Manual Integrations  
APPROVED

MMDadoda  
8/14/2019 11:32:00 AM



#4

Vinyl Chloride

Concen: 42.339 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011537.D

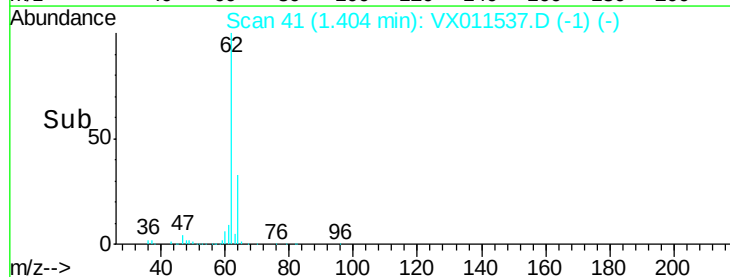
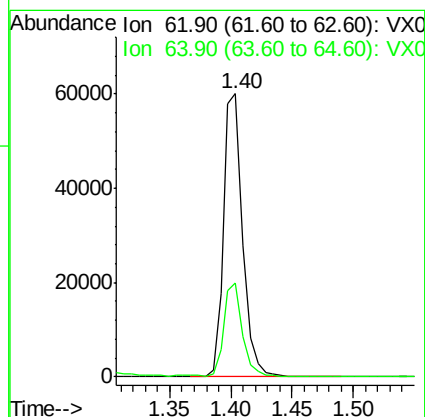
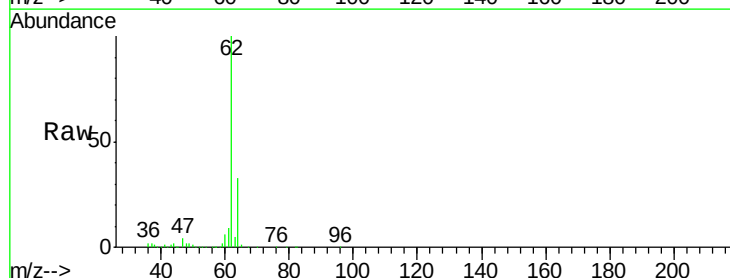
Acq: 13 Aug 2019 15:41

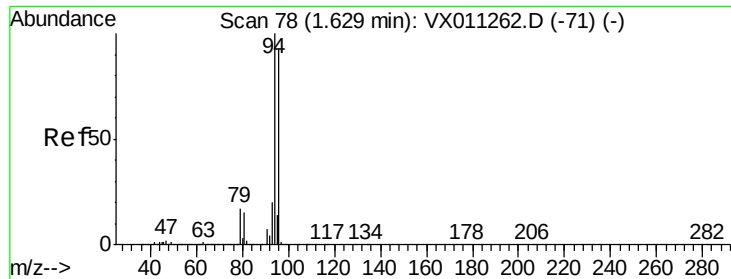
Tgt Ion: 62 Resp: 65446

Ion Ratio Lower Upper

62 100

64 33.1 26.0 39.0





#5

Bromomethane

Concen: 44.759 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0668MS

Tot Ion: 94 Resp: 49344

Ion Ratio Lower Upper

94 100

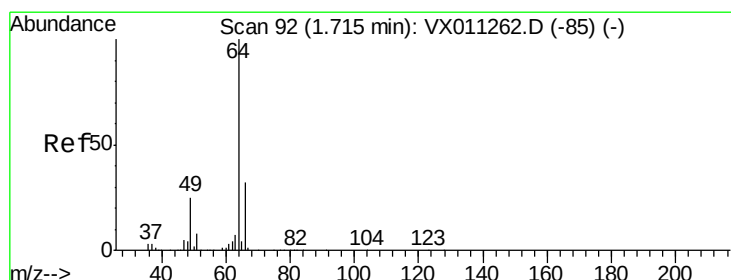
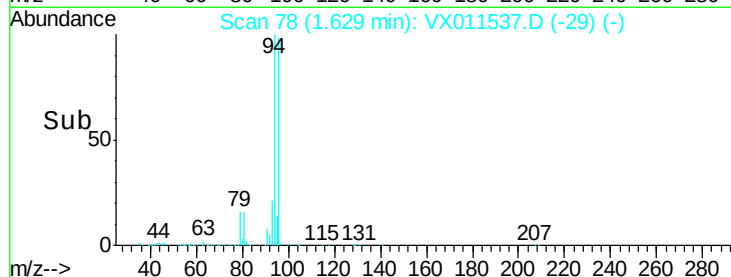
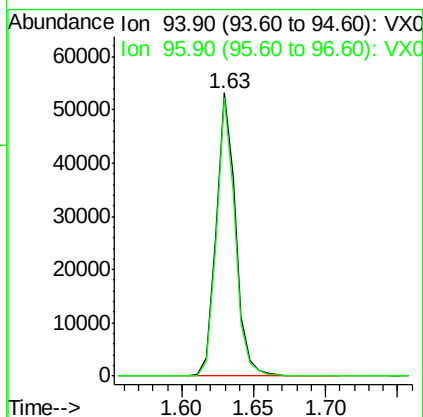
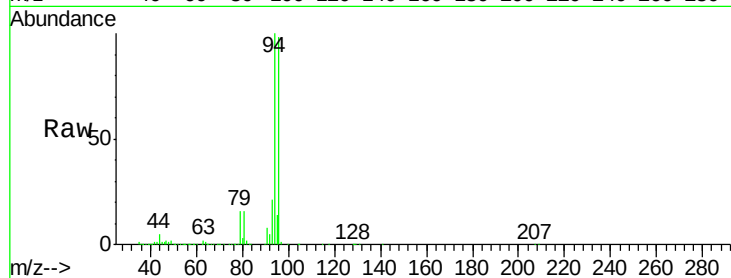
96 98.5 74.6 112.0

Manual Integrations

APPROVED

MMDadoda

8/14/2019 11:32:00 AM



#6

Chloroethane

Concen: 45.527 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011537.D

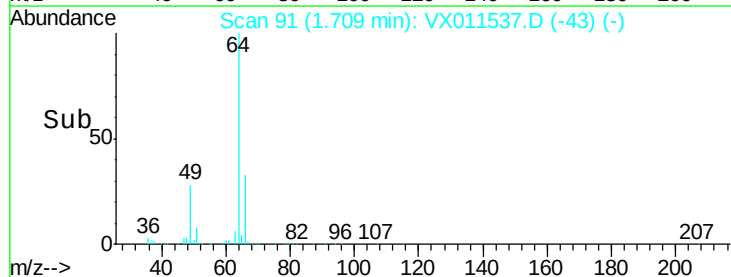
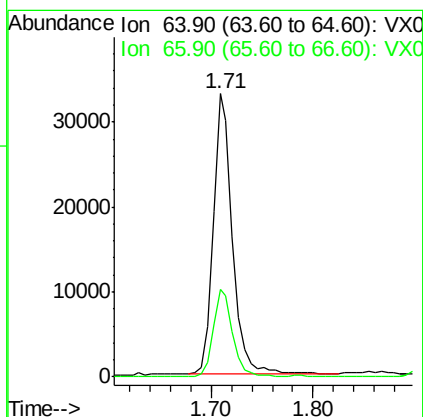
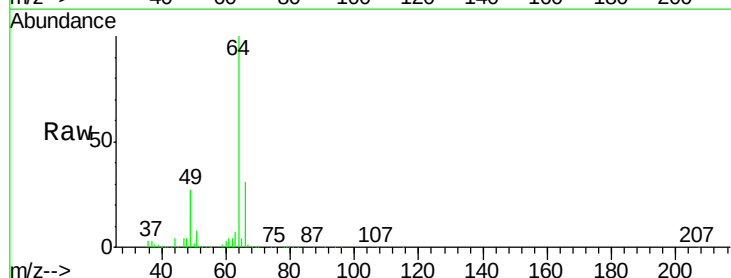
Acq: 13 Aug 2019 15:41

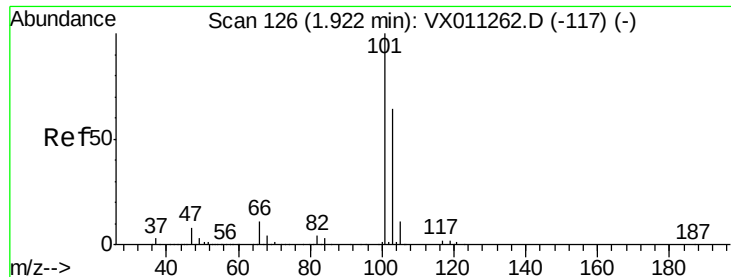
Tgt Ion: 64 Resp: 43793

Ion Ratio Lower Upper

64 100

66 31.0 25.1 37.7





#7

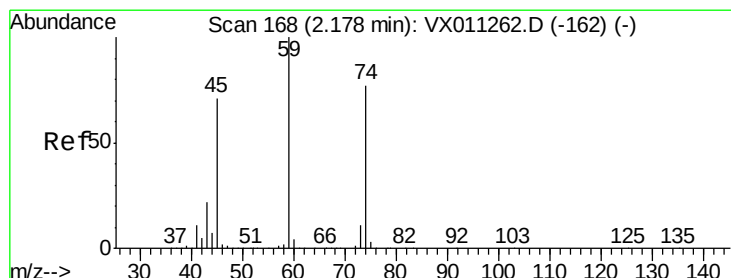
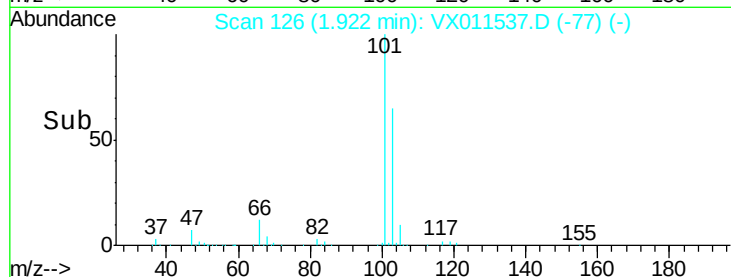
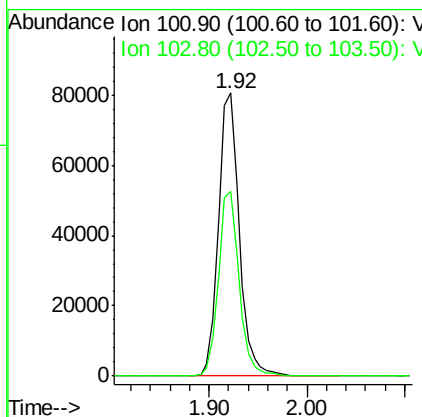
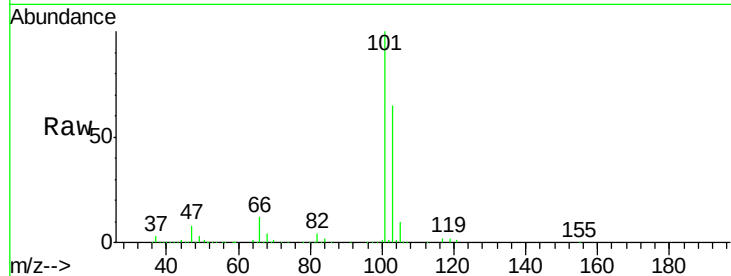
Trichlorofluoromethane  
Concen: 43.335 ug/l  
RT: 1.92 min Scan# 126  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-0668MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 119104 |       |       |
| 103     | 65.2  | 50.9   | 76.3  |       |

Manual Integrations  
APPROVED

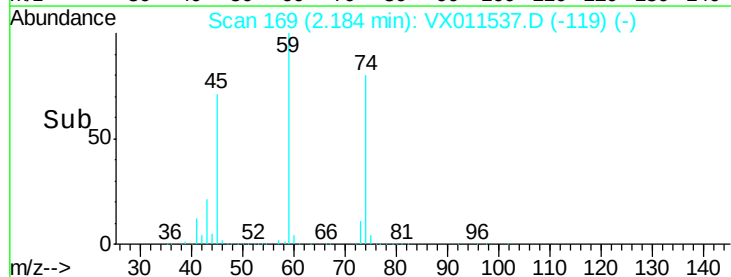
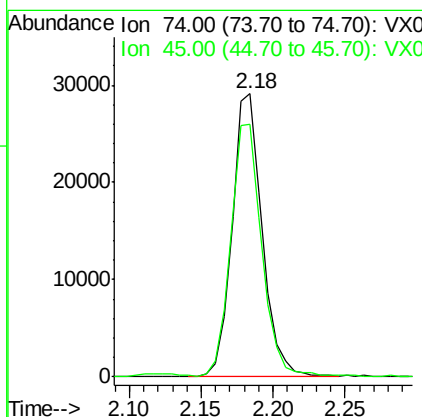
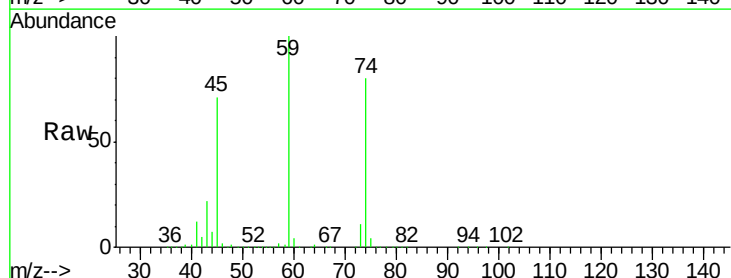
MMDadoda  
8/14/2019 11:32:00 AM



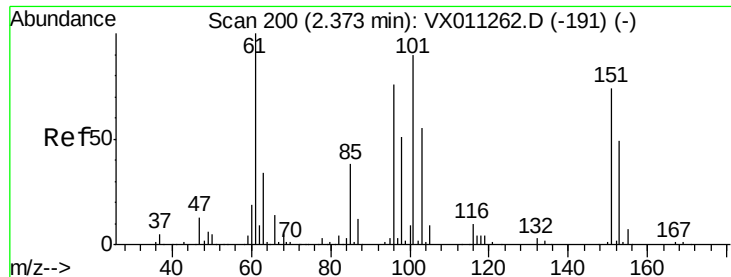
#8

Diethyl Ether  
Concen: 43.249 ug/l  
RT: 2.18 min Scan# 169  
Delta R.T. 0.01 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 42445 |       |       |
| 45      | 92.2  | 46.1  | 138.3 |       |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.800 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

Instrument :

MSVOA\_X

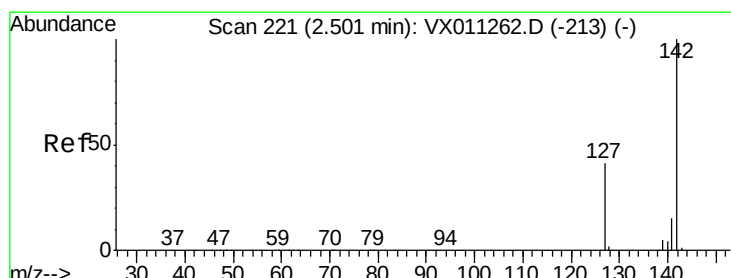
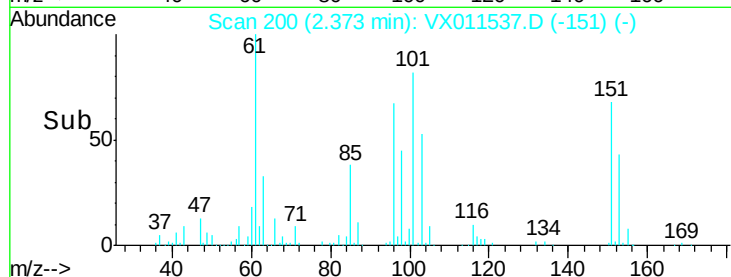
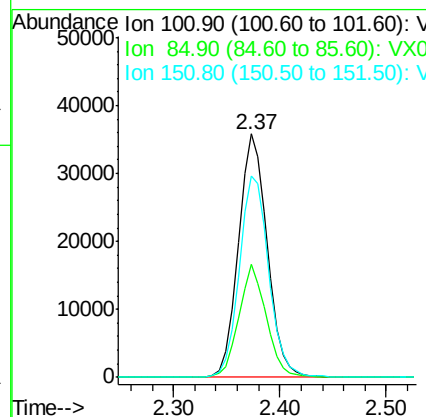
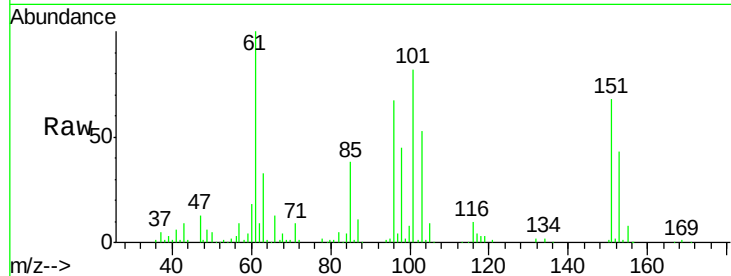
ClientSampleId :

Z3-0668MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 68111 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.3  | 33.8  | 50.6  |
| 151       | 84.4  | 69.5  | 104.3 |

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8/14/2019 11:32:00 AM



#10

Methyl Iodide

Concen: 43.869 ug/l

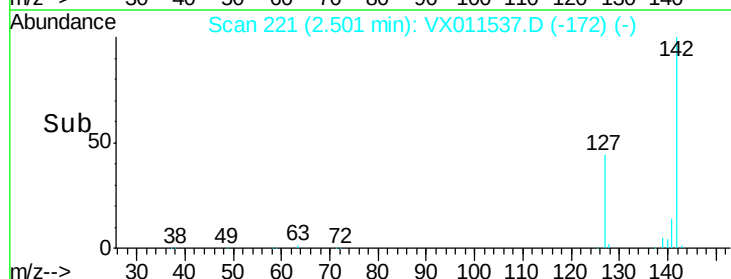
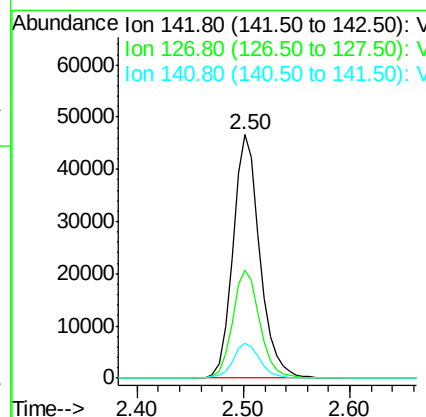
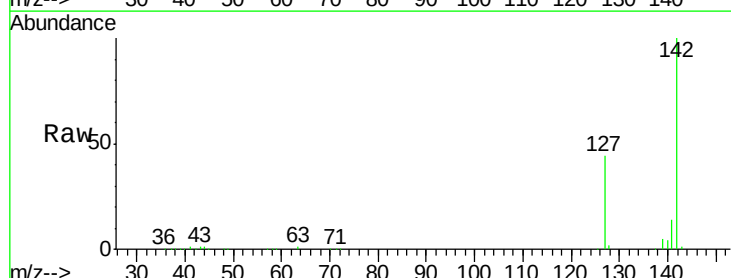
RT: 2.50 min Scan# 221

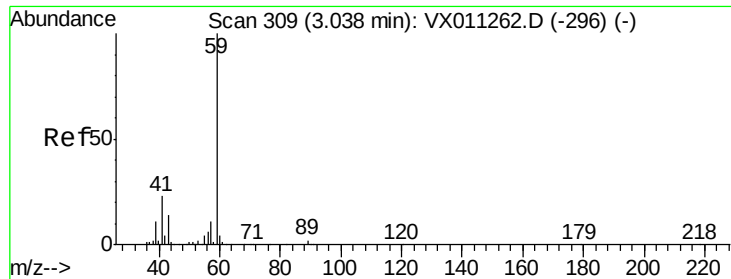
Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 82251 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 44.9  | 33.8  | 50.8  |
| 141       | 14.5  | 11.4  | 17.2  |





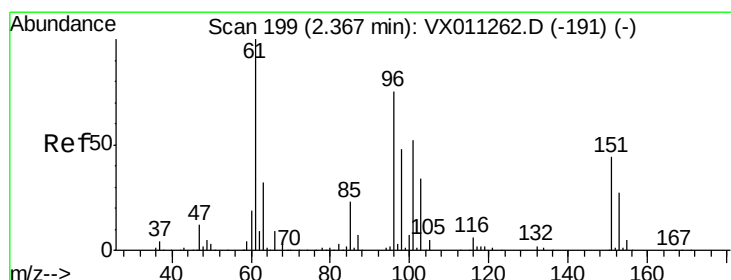
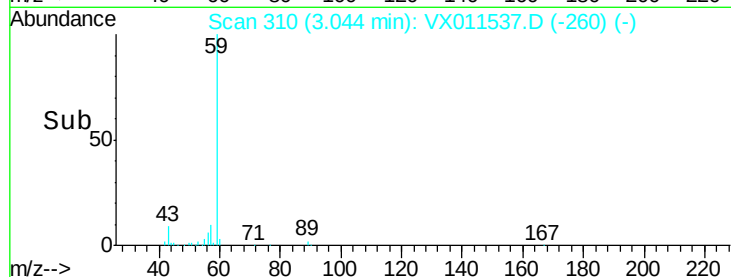
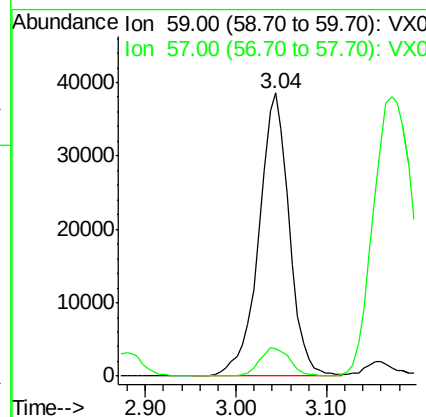
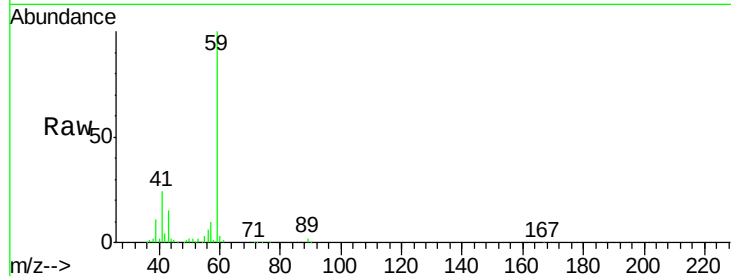
#11  
Tert butyl alcohol  
Concen: 274.935 ug/l  
RT: 3.04 min Scan# 310  
Delta R.T. 0.01 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

Instrument :  
MSVOA\_X  
ClientSampled :  
Z3-0668MS

| Tot Ion | 59  | 57   | Ratio | 100 | 10.3 | Resp | Lower | Upper |
|---------|-----|------|-------|-----|------|------|-------|-------|
| 59      | 100 |      |       |     |      |      |       |       |
| 57      |     | 10.3 |       |     |      | 8.3  | 12.5  |       |

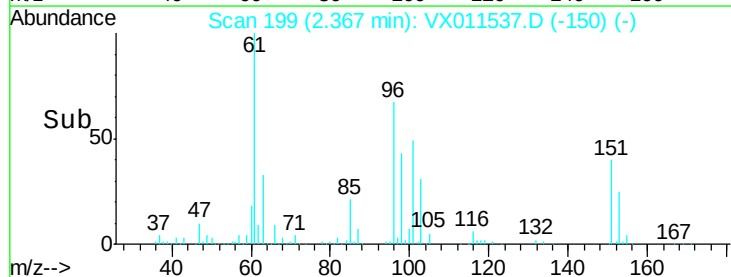
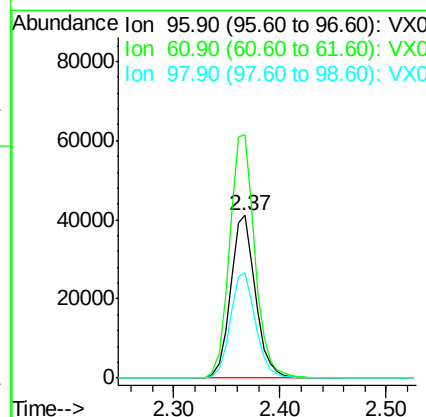
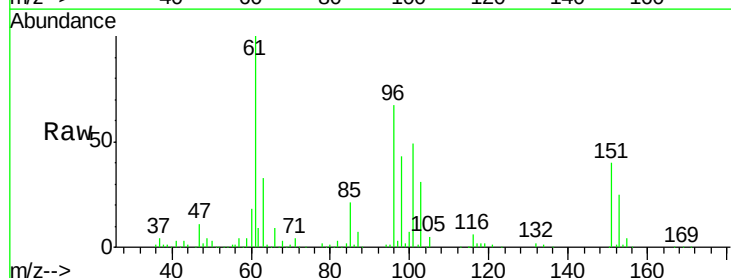
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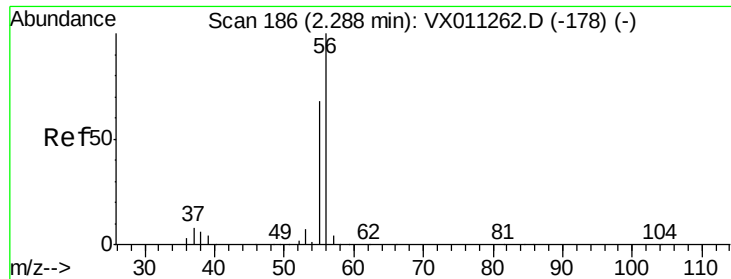
MMDadoda  
8/14/2019 11:32:00 AM



#12  
1,1-Dichloroethene  
Concen: 45.604 ug/l  
RT: 2.37 min Scan# 199  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

| Tgt Ion | 96  | 61    | 98 | Ratio | 100 | 149.6 | 64.7  | Resp | Lower | Upper |
|---------|-----|-------|----|-------|-----|-------|-------|------|-------|-------|
| 96      | 100 |       |    |       |     |       |       |      |       |       |
| 61      |     | 149.6 |    |       |     | 106.2 | 159.2 |      |       |       |
| 98      |     | 64.7  |    |       |     | 50.6  | 75.8  |      |       |       |





#13

Acrolein

Concen: 237.333 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0668MS

Tot Ion: 56 Resp: 47994

Ion Ratio Lower Upper

56 100

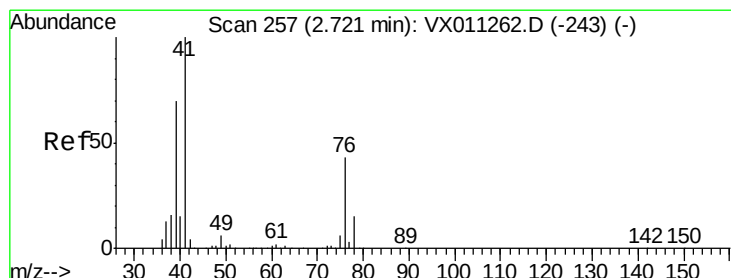
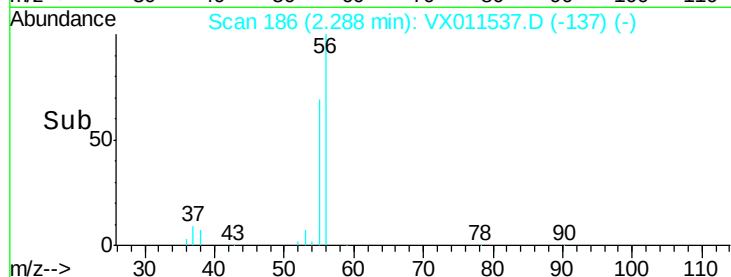
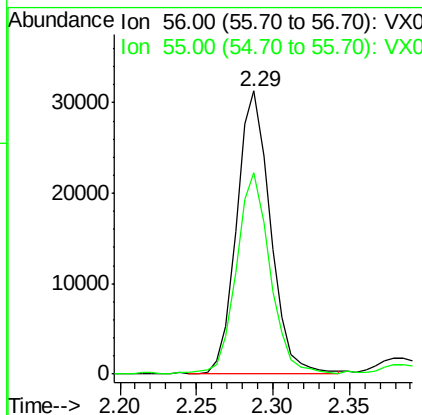
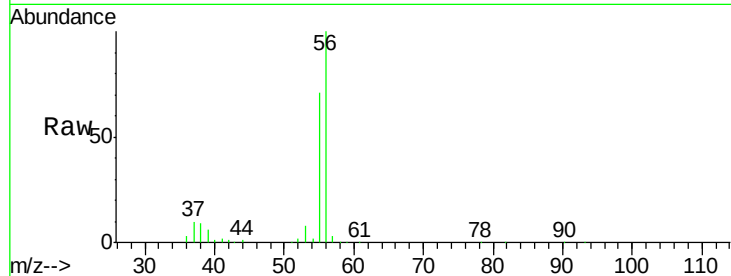
55 71.0 56.0 84.0

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#14

Allyl chloride

Concen: 53.969 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

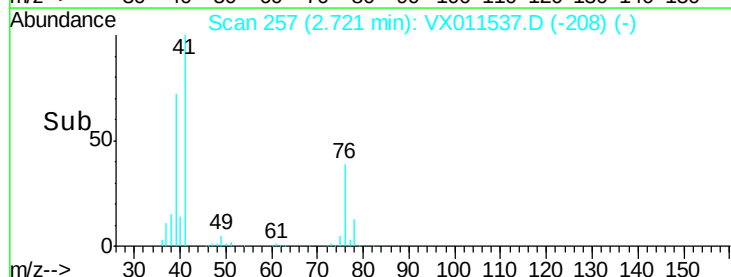
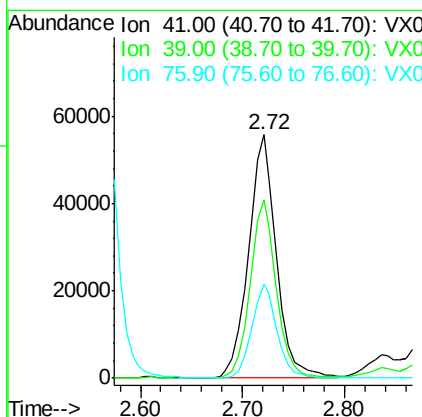
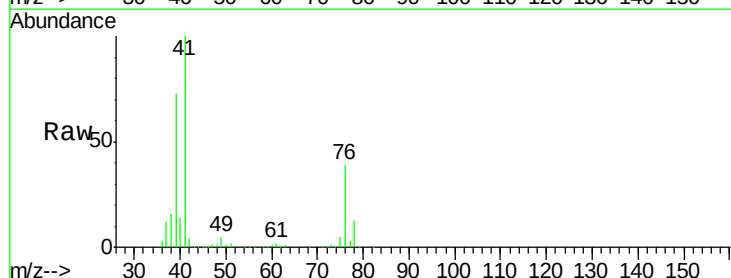
Tgt Ion: 41 Resp: 106064

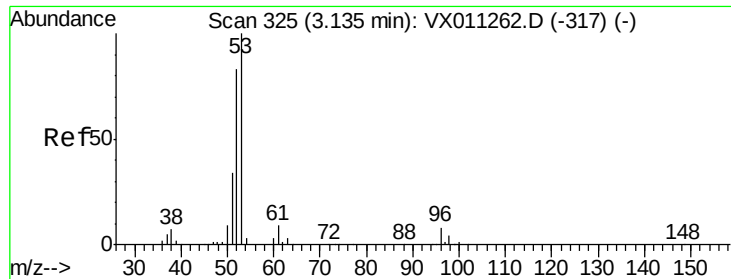
Ion Ratio Lower Upper

41 100

39 68.8 52.8 79.2

76 35.2 31.1 46.7





#15

Acrylonitrile

Concen: 271.695 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

Instrument :

MSVOA\_X

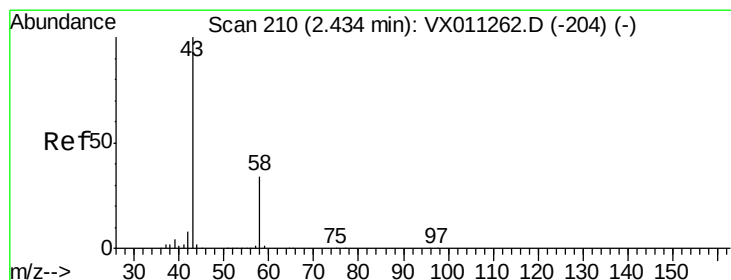
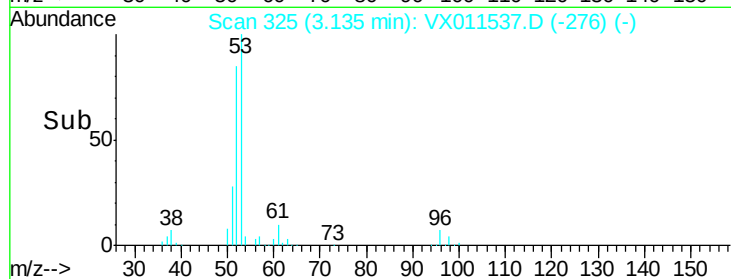
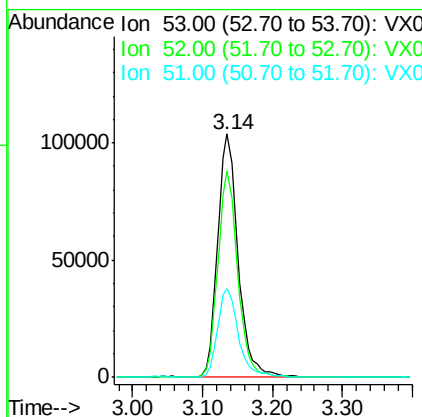
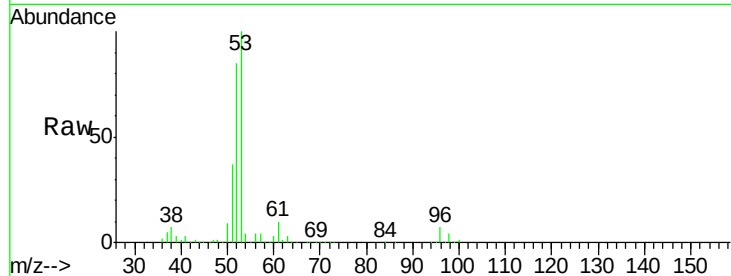
ClientSampled :

Z3-0668MS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 210955 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 82.5 | 65.5  | 98.3   |
| 51        | 37.0 | 27.9  | 41.9   |

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#16

Acetone

Concen: 231.955 ug/l

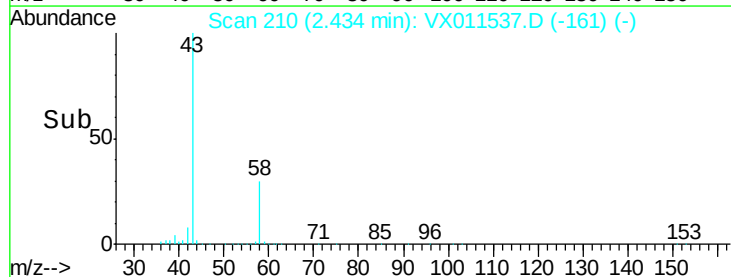
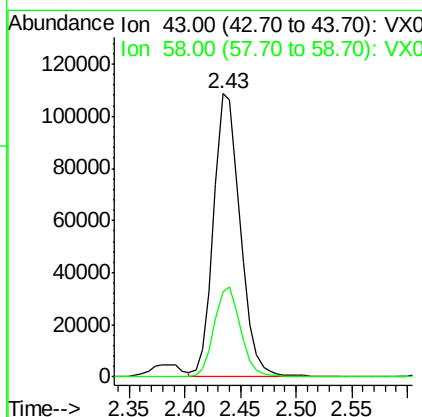
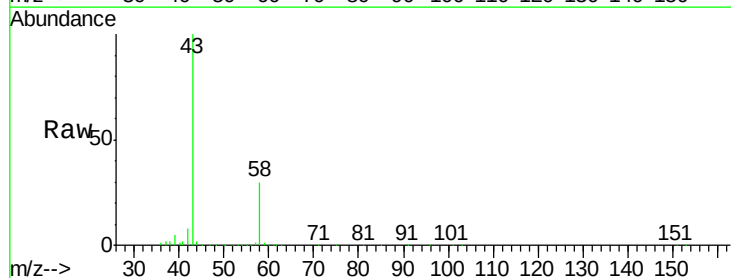
RT: 2.43 min Scan# 210

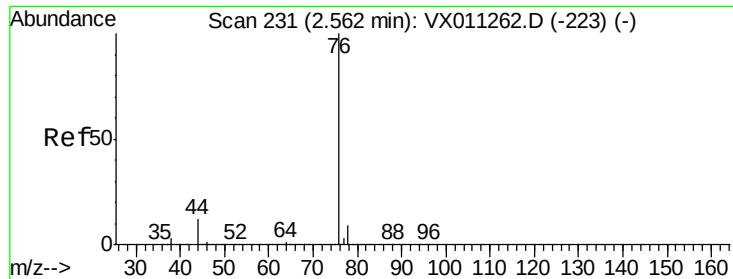
Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 180147 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 30.0 | 27.4  | 41.0   |





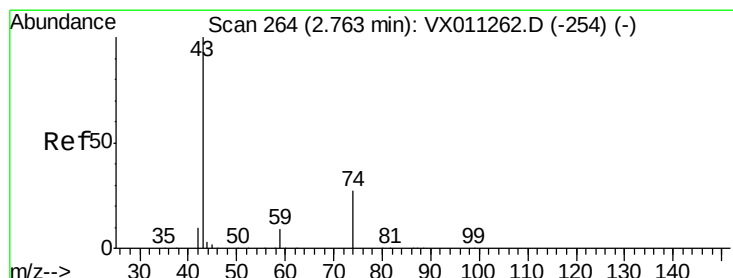
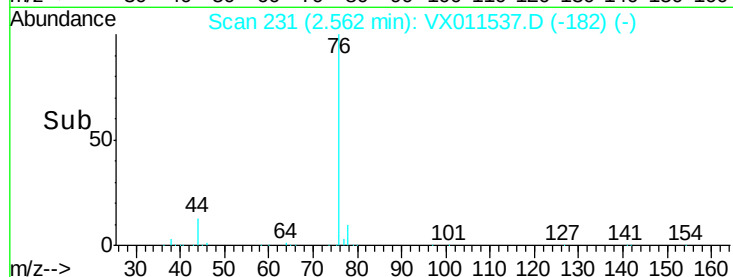
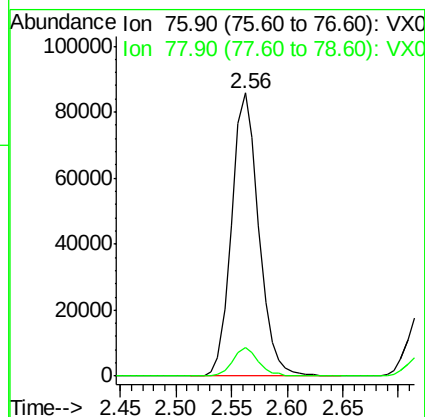
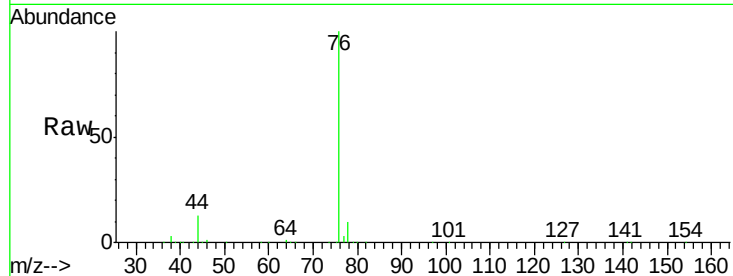
#17  
Carbon Disulfide  
Concen: 42.022 ug/l  
RT: 2.56 min Scan# 231  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-0668MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 10.0  | 7.4   | 11.0  |

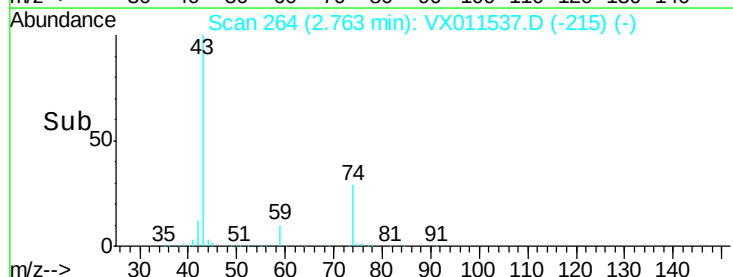
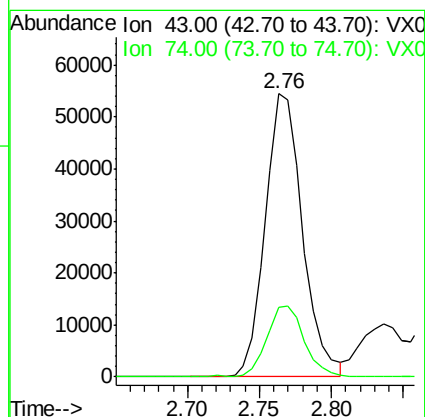
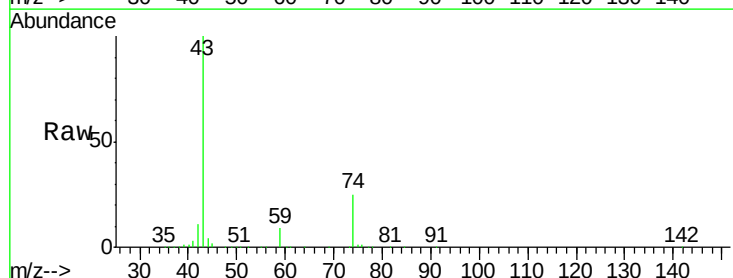
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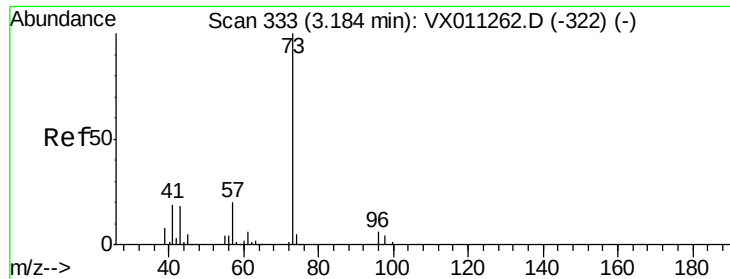
MMDadoda  
8/14/2019 11:32:00 AM



#18  
Methyl Acetate  
Concen: 54.979 ug/l  
RT: 2.76 min Scan# 264  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.6  | 21.0  | 31.6  |





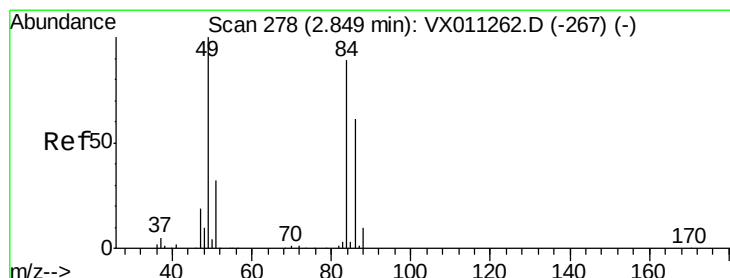
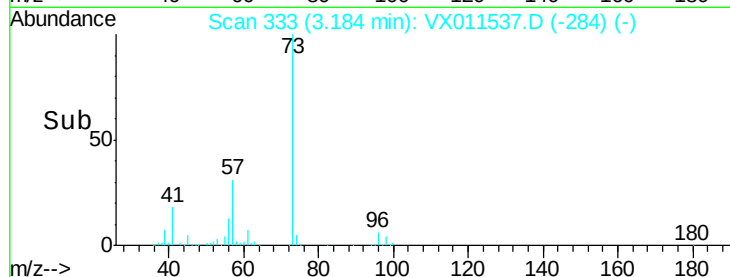
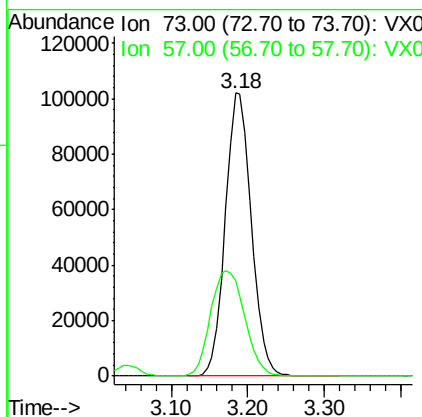
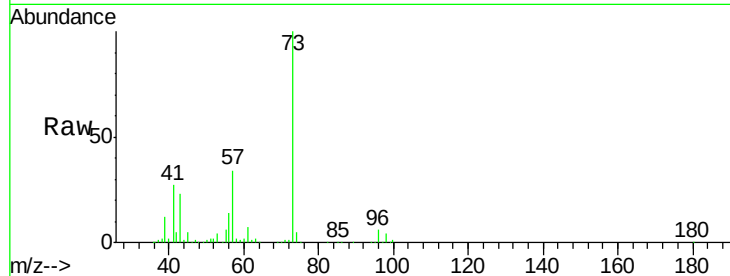
#19  
Methvl tert-butyl Ether  
Concen: 55.327 ug/l  
RT: 3.18 min Scan# 333  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

Instrument :  
MSVOA\_X  
ClientSampled :  
Z3-0668MS

Tot Ion: 73 Resp: 240355  
Ion Ratio Lower Upper  
73 100  
57 33.5 16.2 24.2#

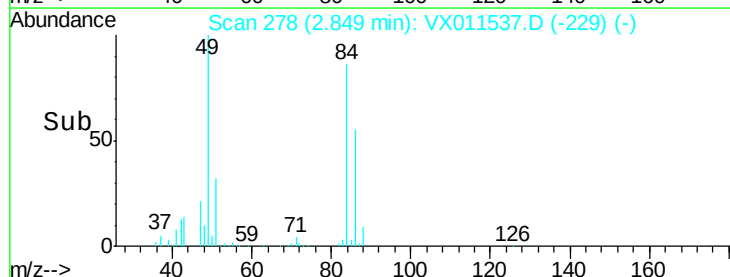
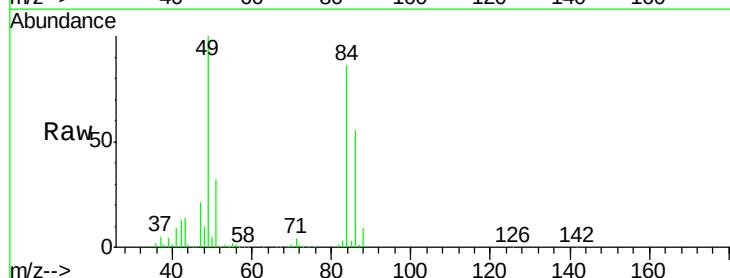
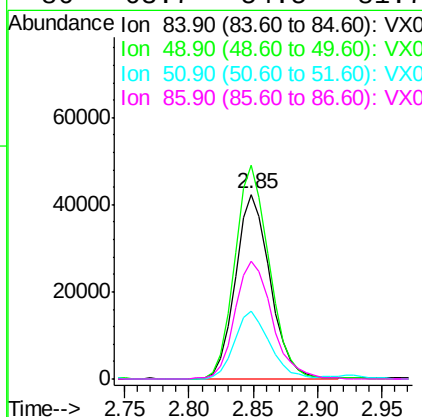
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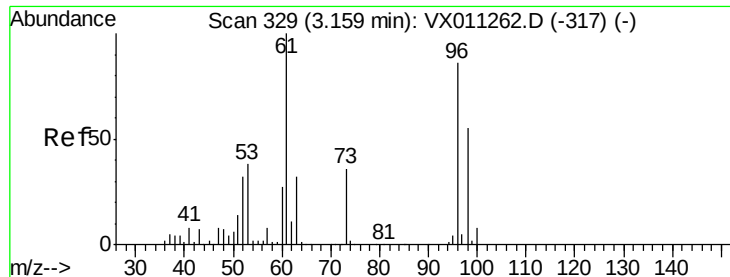
MMDadoda  
8/14/2019 11:32:00 AM



#20  
Methylene Chloride  
Concen: 46.839 ug/l  
RT: 2.85 min Scan# 278  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

Tgt Ion: 84 Resp: 79668  
Ion Ratio Lower Upper  
84 100  
49 115.5 89.3 133.9  
51 36.7 28.3 42.5  
86 63.7 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 47.544 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

Instrument :

MSVOA\_X

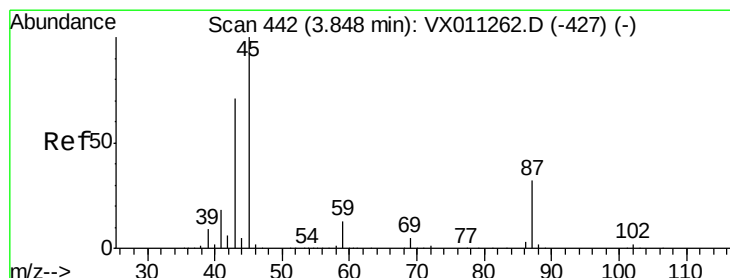
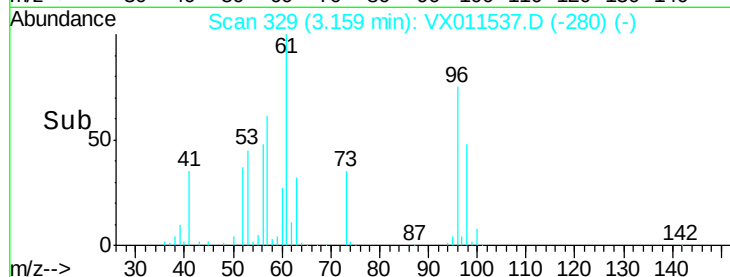
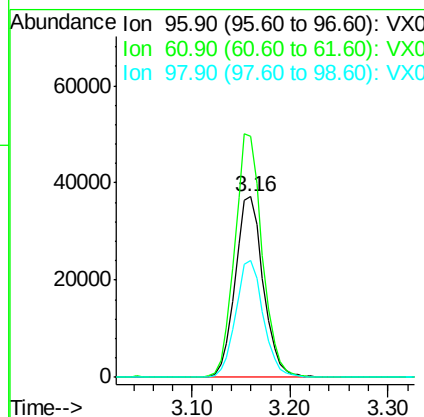
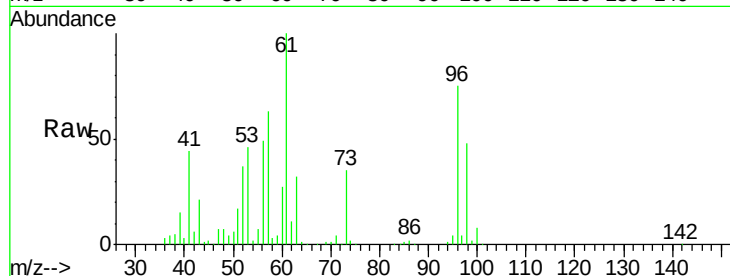
ClientSampleId :

Z3-0668MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 74140 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 133.9 | 92.8  | 139.2 |
| 98       | 64.6  | 51.2  | 76.8  |

Manual Integrations  
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8/14/2019 11:32:00 AM



#22

Diisopropyl ether

Concen: 53.518 ug/l

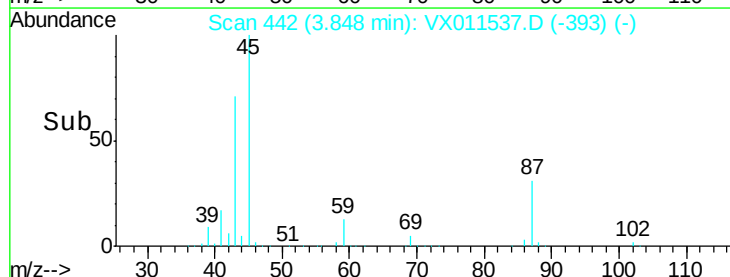
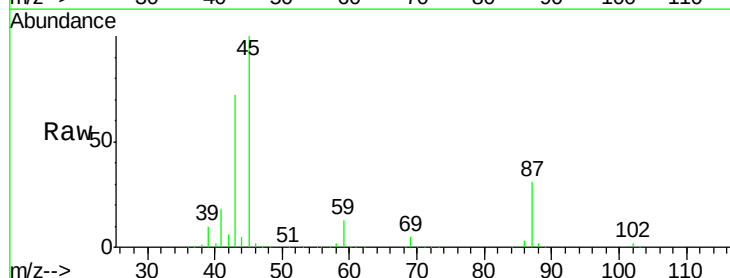
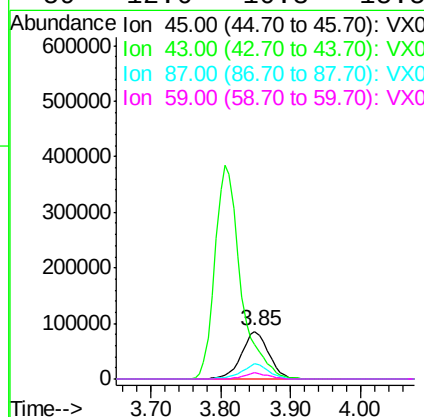
RT: 3.85 min Scan# 442

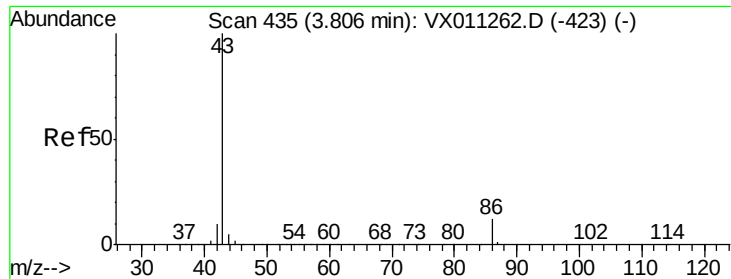
Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 231161 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 71.3  | 56.8  | 85.2   |
| 87       | 31.2  | 25.8  | 38.6   |
| 59       | 12.6  | 10.3  | 15.5   |





#23

Vinyl Acetate

Concen: 275.846 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0668MS

Tot Ion: 43 Resp: 988210

Ion Ratio Lower Upper

43 100

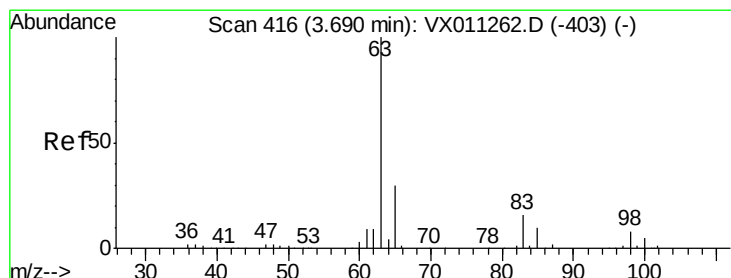
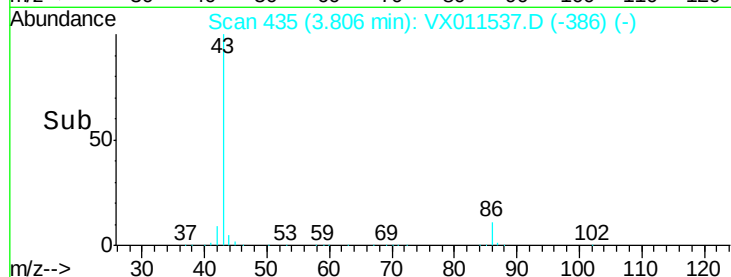
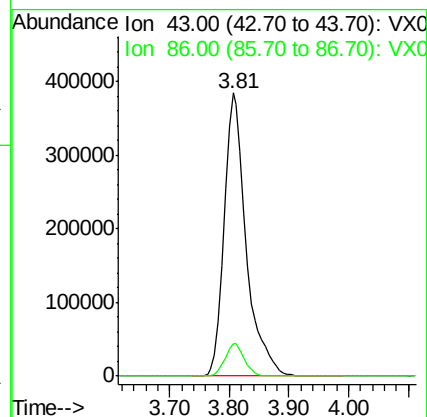
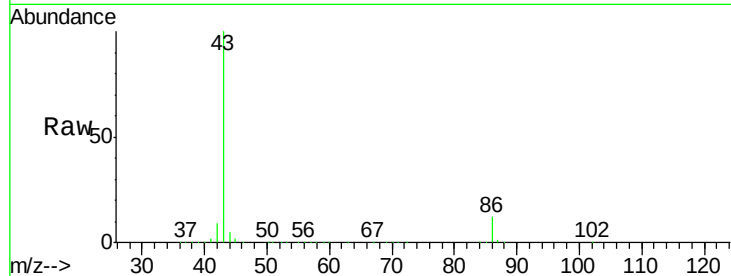
86 11.5 9.6 14.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.034 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

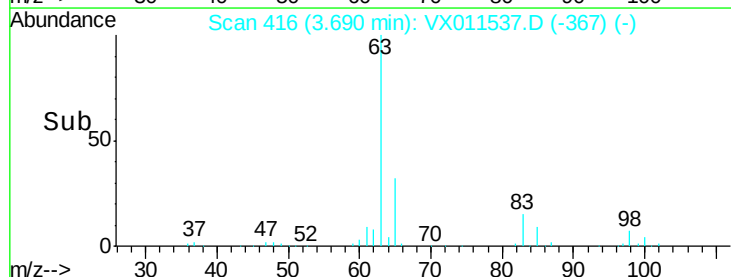
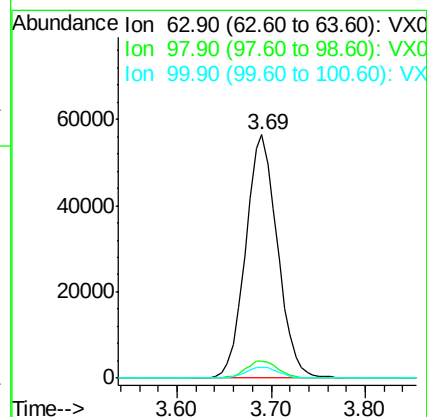
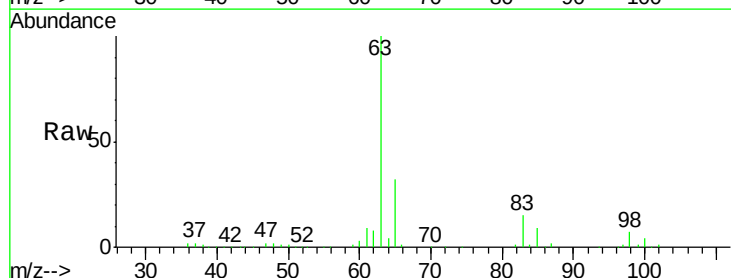
Tgt Ion: 63 Resp: 132527

Ion Ratio Lower Upper

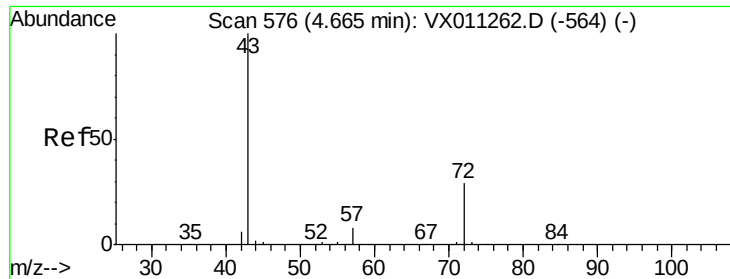
63 100

98 7.2 3.9 11.5

100 4.2 2.7 8.1







#25

2-Butanone

Concen: 266.350 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0668MS

Tot Ion: 43 Resp: 294258

Ion Ratio Lower Upper

43 100

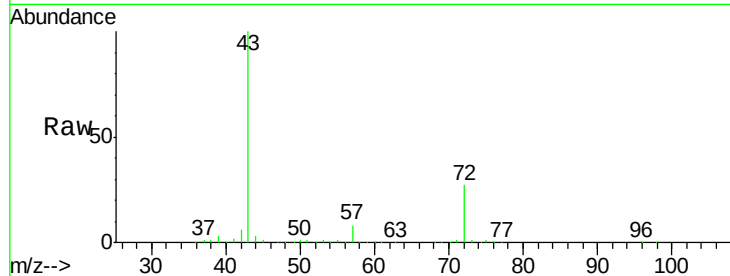
72 27.1 23.2 34.8

Manual Integrations

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8/14/2019 11:32:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

40000

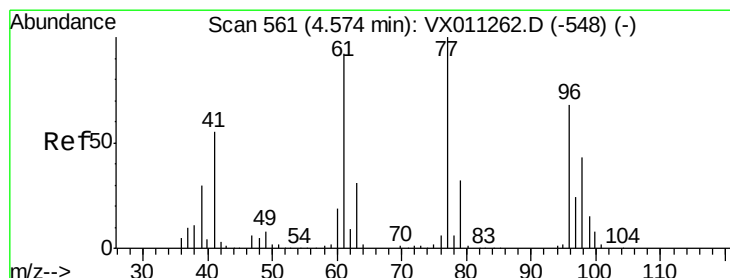
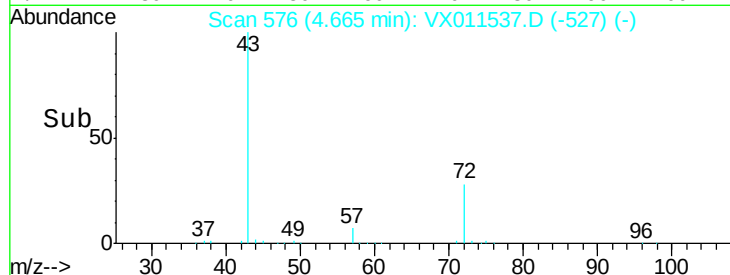
20000

0

4.67

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 50.430 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011537.D

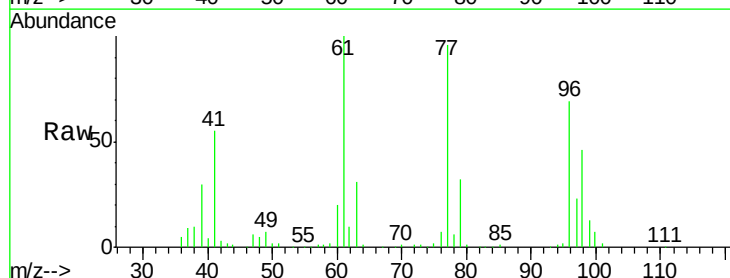
Acq: 13 Aug 2019 15:41

Tgt Ion: 77 Resp: 99845

Ion Ratio Lower Upper

77 100

97 24.6 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

20000

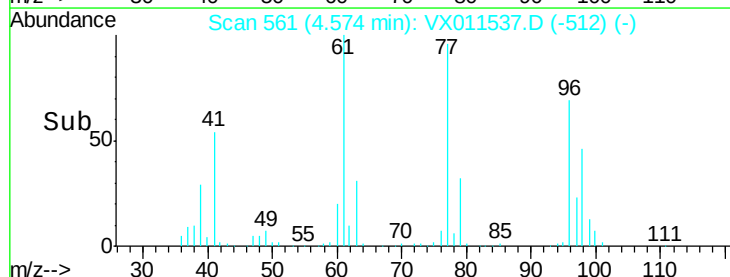
10000

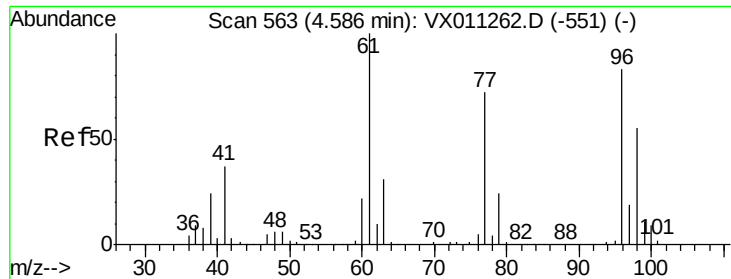
0

4.57

4.40 4.50 4.60 4.70

Time-->





#27

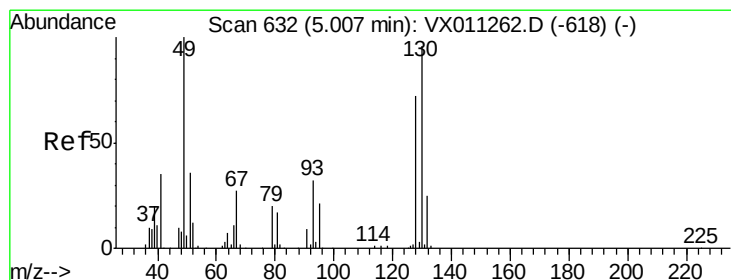
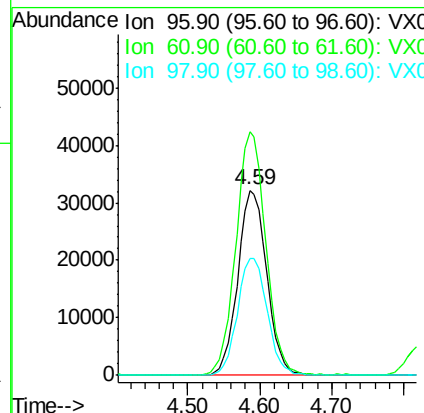
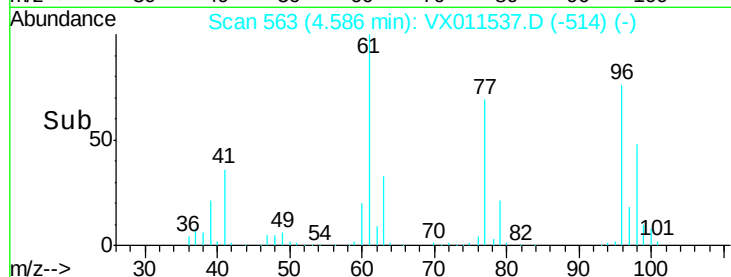
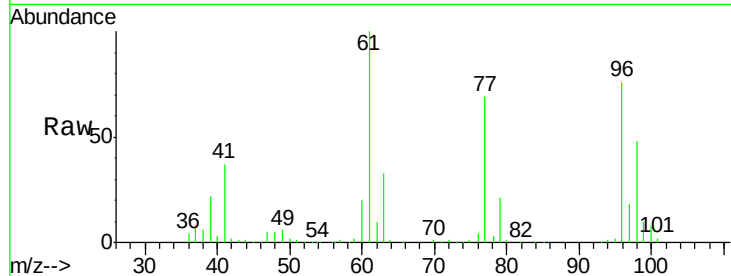
cis-1,2-Dichloroethene  
Concen: 50.090 ug/l  
RT: 4.59 min Scan# 563  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

Instrument :  
MSVOA\_X  
ClientSampled :  
Z3-0668MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 135.9 | 0.0   | 260.2 |
| 98      | 64.8  | 0.0   | 133.2 |

Manual Integrations  
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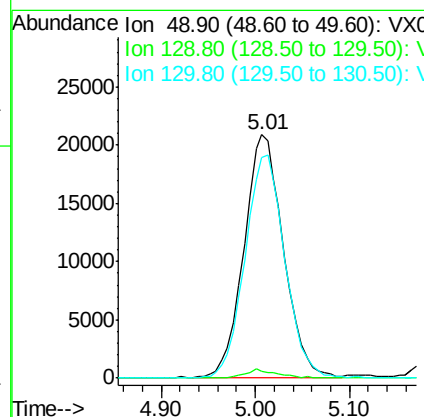
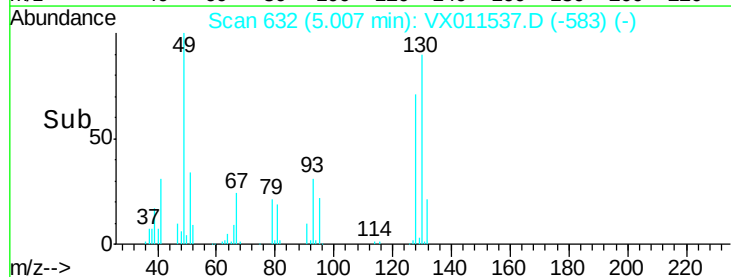
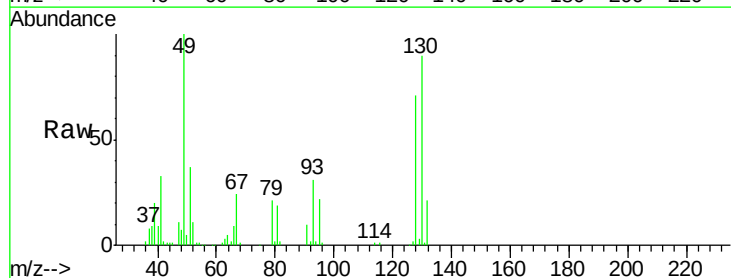
MMDadoda  
8/14/2019 11:32:00 AM

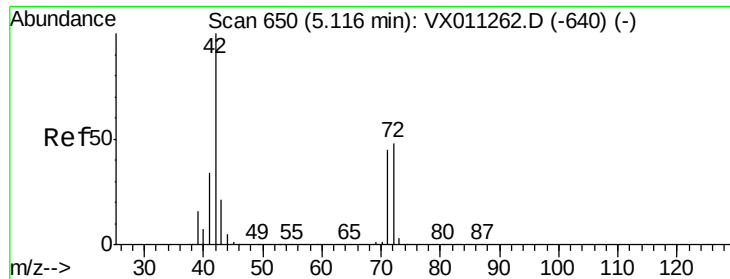


#28

Bromochloromethane  
Concen: 52.938 ug/l  
RT: 5.01 min Scan# 632  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.8   | 0.0   | 5.8   |
| 130     | 92.5  | 77.9  | 116.9 |





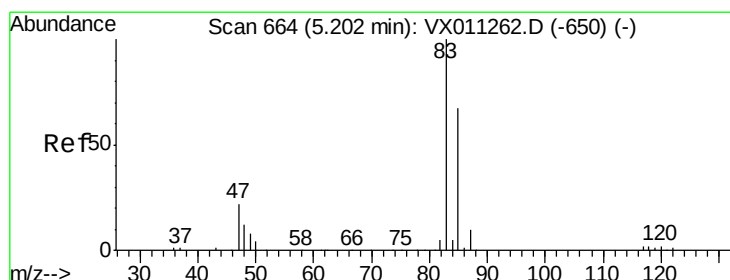
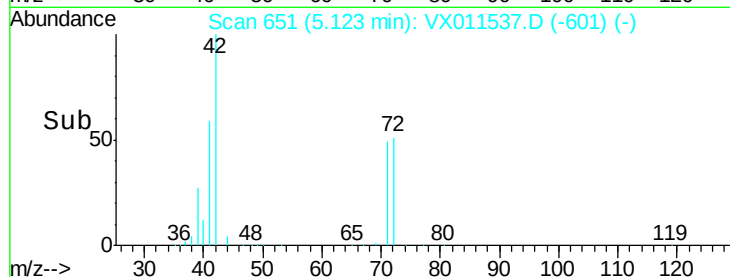
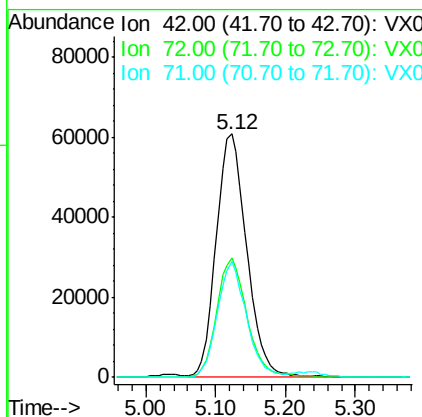
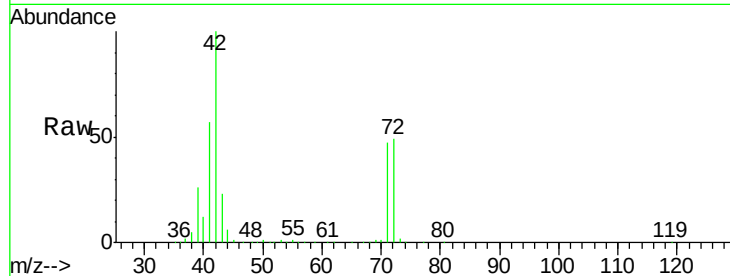
#29  
Tetrahydrofuran  
Concen: 271.181 ug/l  
RT: 5.12 min Scan# 651  
Delta R.T. 0.01 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

Instrument :  
MSVOA\_X  
ClientSampled :  
Z3-0668MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 49.1  | 39.9  | 59.9  |
| 71      | 45.4  | 36.9  | 55.3  |

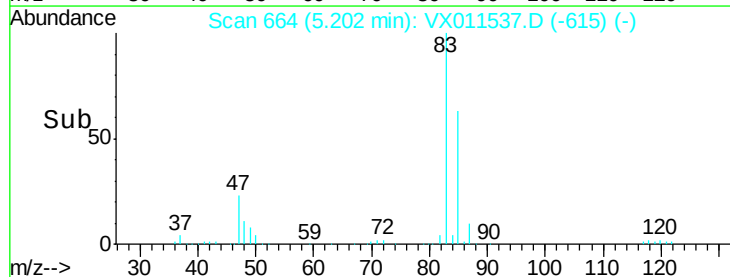
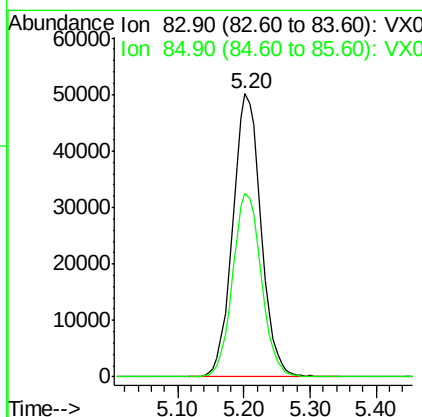
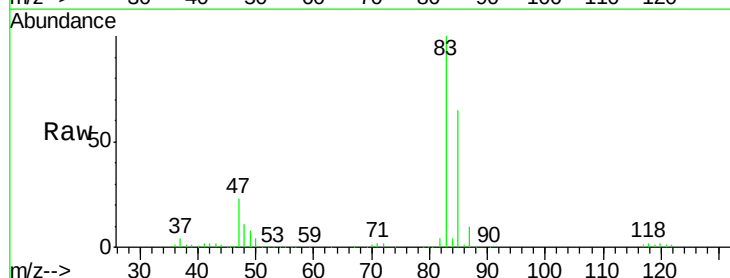
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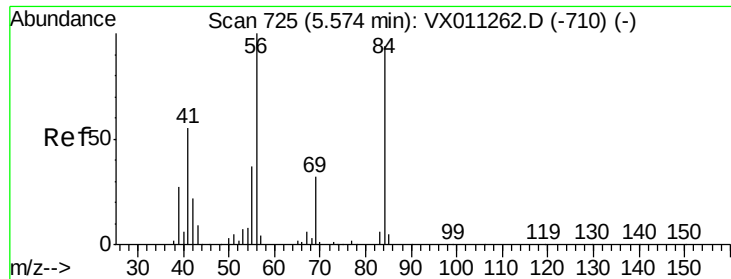
MMDadoda  
8/14/2019 11:32:00 AM



#30  
Chloroform  
Concen: 53.572 ug/l  
RT: 5.20 min Scan# 664  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.7  | 53.4  | 80.0  |





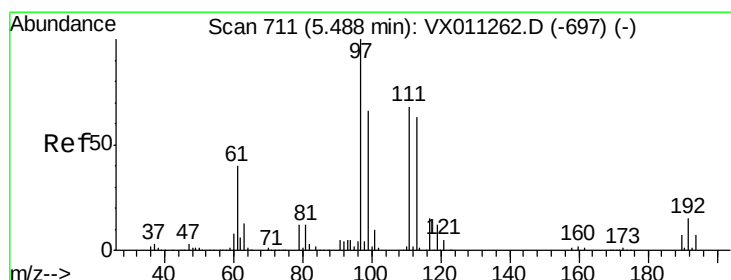
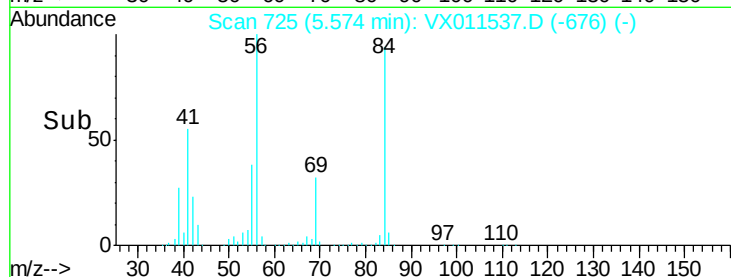
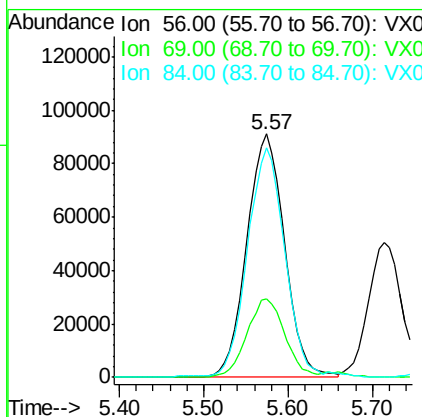
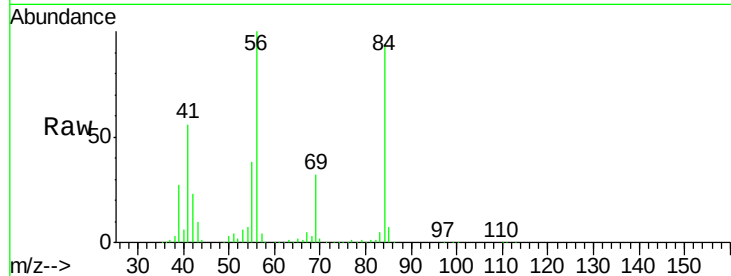
#31  
Cyclohexane  
Concen: 132.476 ug/l  
RT: 5.57 min Scan# 725  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-0668MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 32.1  | 25.5  | 38.3  |
| 84      | 93.4  | 75.0  | 112.4 |

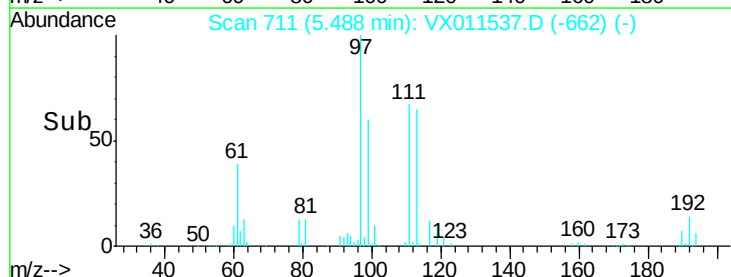
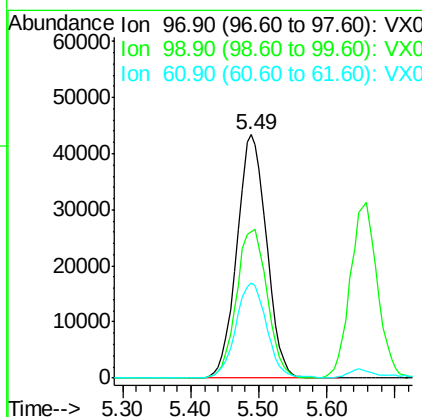
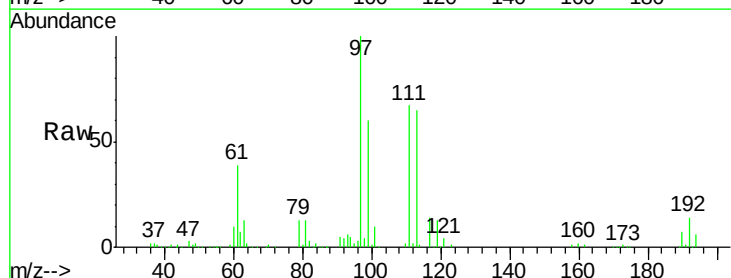
Manual Integrations  
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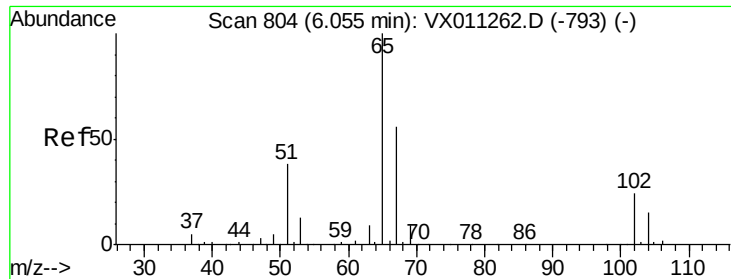
MMDadoda  
8/14/2019 11:32:00 AM



#32  
1,1,1-Trichloroethane  
Concen: 55.361 ug/l  
RT: 5.49 min Scan# 711  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.4  | 51.6  | 77.4  |
| 61      | 40.8  | 32.3  | 48.5  |





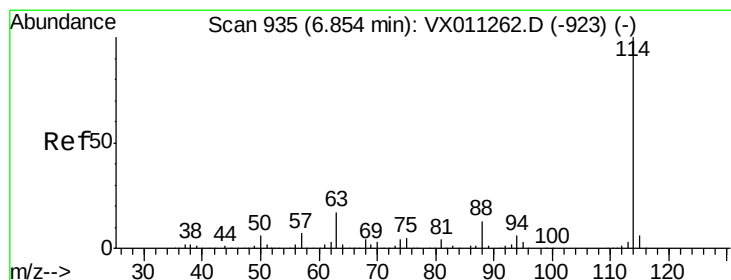
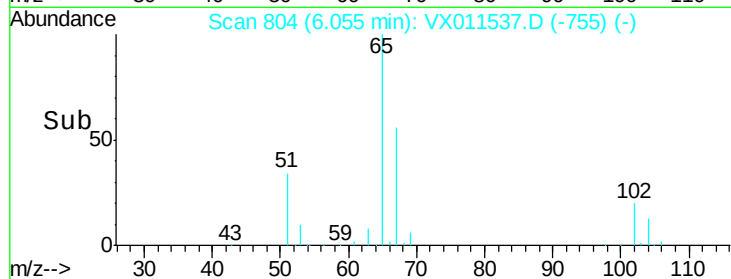
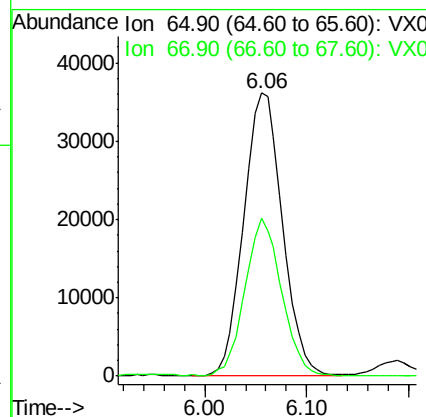
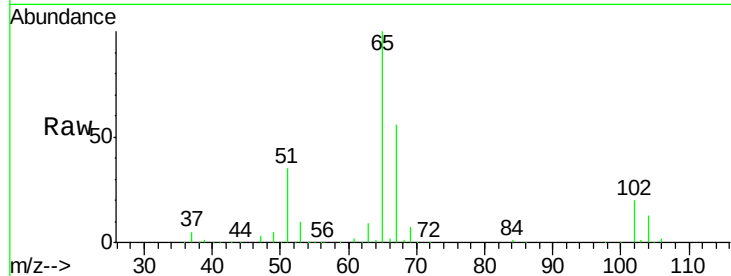
#33  
 1,2-Dichloroethane-d4  
 Concen: 58.620 ug/l  
 RT: 6.06 min Scan# 804  
 Delta R.T. 0.00 min  
 Lab File: VX011537.D  
 Acq: 13 Aug 2019 15:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0668MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 52.4  | 0.0   | 110.6 |

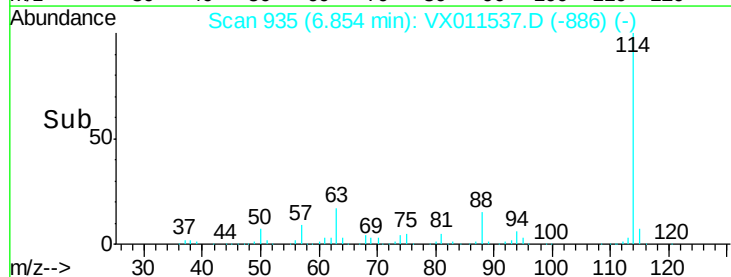
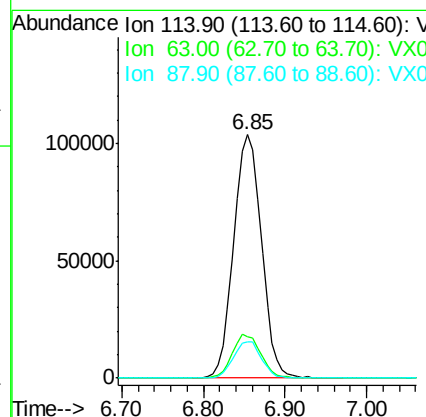
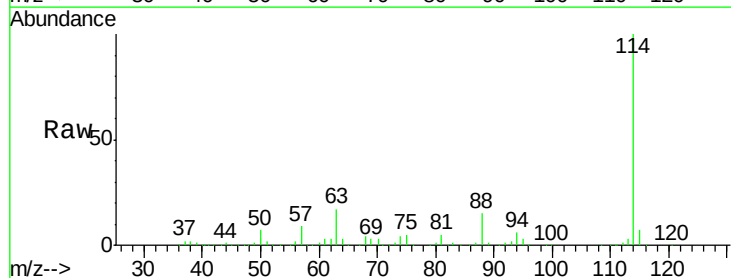
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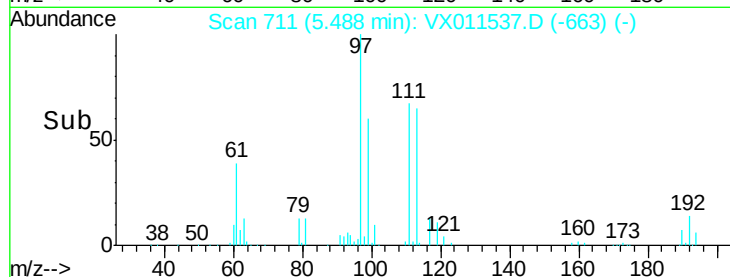
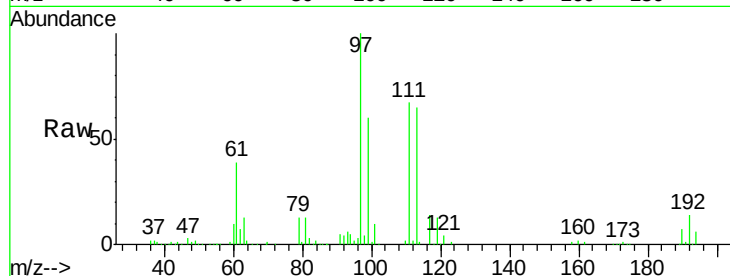
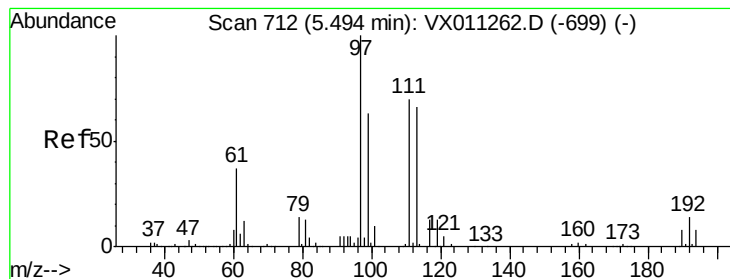
MMDadoda  
 8/14/2019 11:32:00 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 935  
 Delta R.T. 0.00 min  
 Lab File: VX011537.D  
 Acq: 13 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 17.0  | 0.0   | 34.0  |
| 88      | 14.8  | 0.0   | 26.4  |





#35

Dibromofluoromethane

Concen: 51.426 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 81995 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.0 | 81.9  | 122.9 |
| 192      | 21.9  | 17.8  | 26.8  |

Instrument :

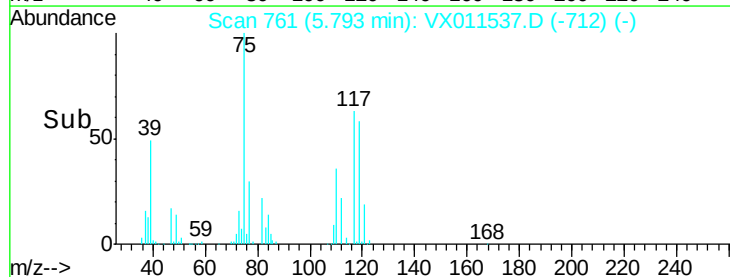
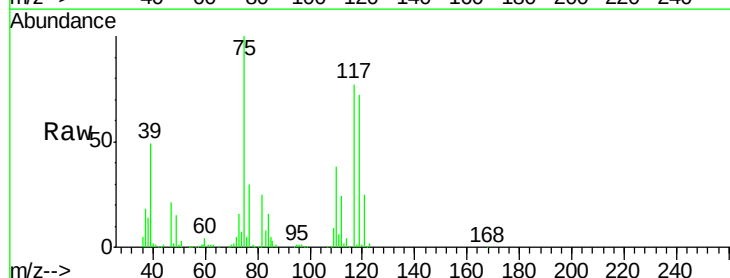
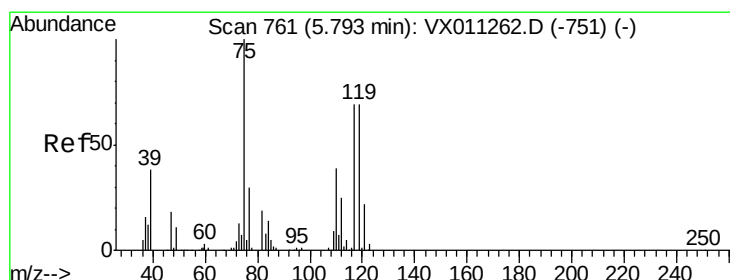
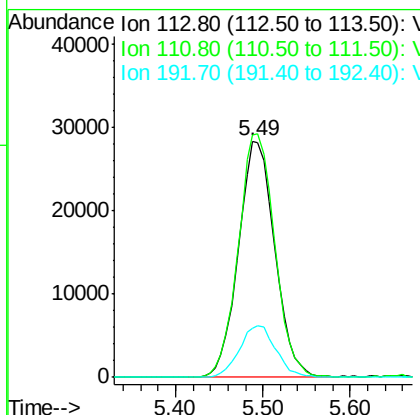
MSVOA\_X

ClientSampleId :

Z3-0668MS

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#36

1,1-Dichloropropene

Concen: 48.252 ug/l

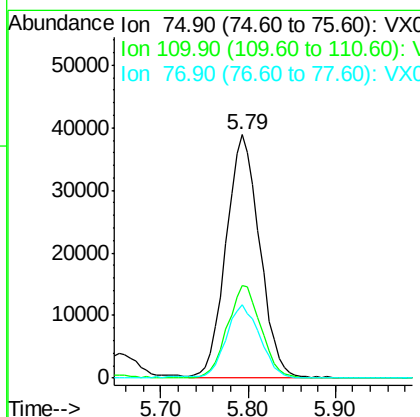
RT: 5.79 min Scan# 761

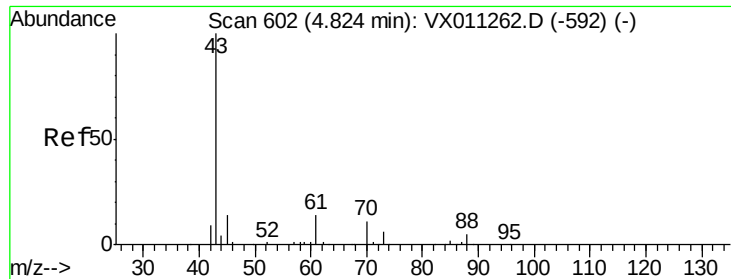
Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 102882 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 38.4  | 20.0  | 59.9   |
| 77       | 30.1  | 24.8  | 37.2   |





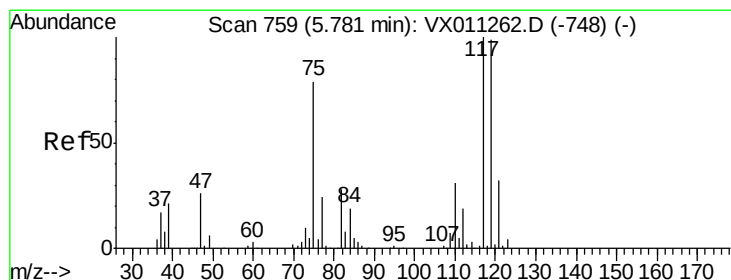
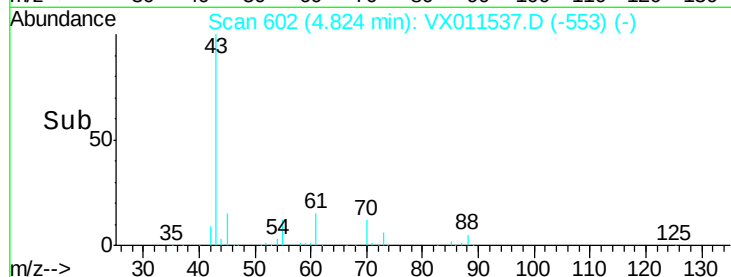
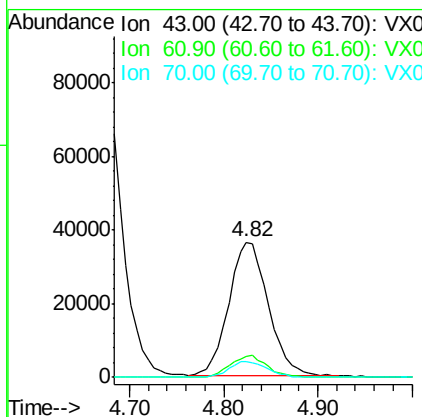
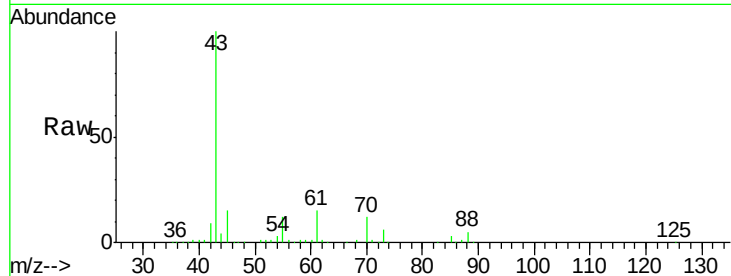
#37  
Ethyl Acetate  
Concen: 49.931 ug/l  
RT: 4.82 min Scan# 602  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

Instrument :  
MSVOA\_X  
ClientSampled :  
Z3-0668MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.7  | 12.6  | 18.8  |
| 70      | 11.7  | 9.1   | 13.7  |

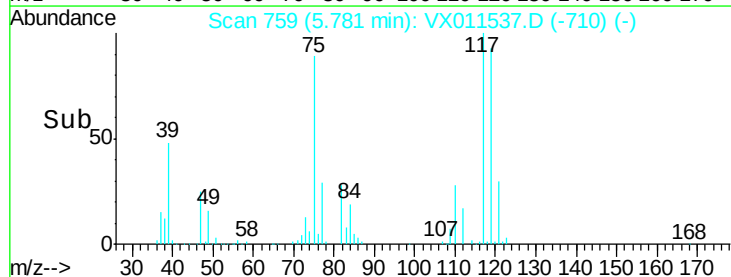
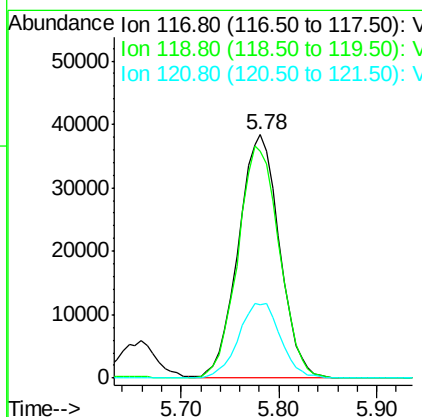
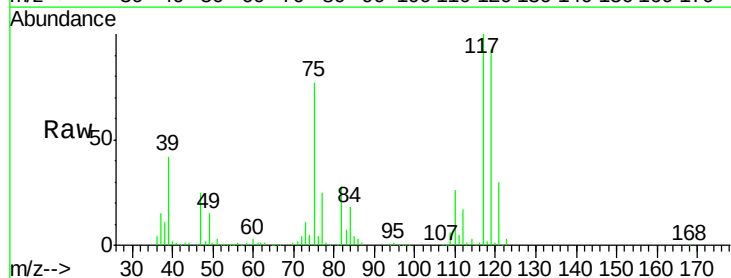
Manual Integrations  
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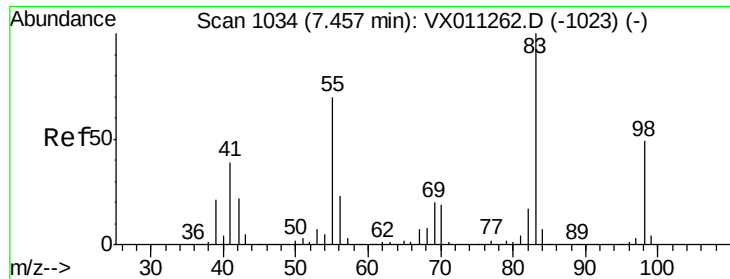
MMDadoda  
8/14/2019 11:32:00 AM



#38  
Carbon Tetrachloride  
Concen: 51.975 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 93.2  | 79.0  | 118.4 |
| 121     | 30.2  | 25.9  | 38.9  |





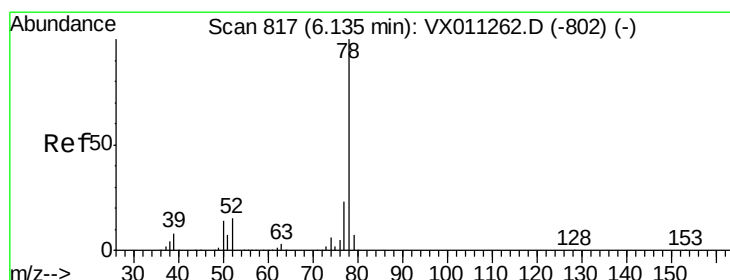
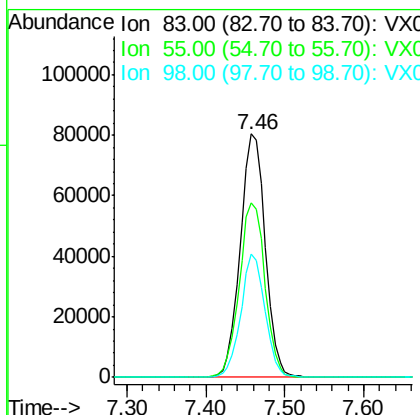
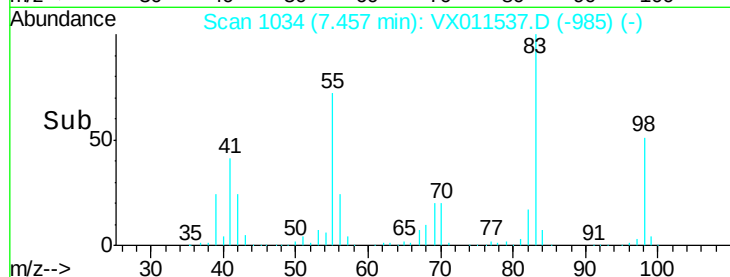
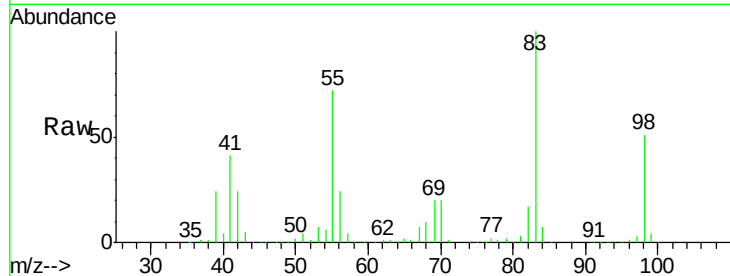
#39  
Methylvlcyclohexane  
Concen: 70.461 ug/l  
RT: 7.46 min Scan# 1034  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

Instrument :  
MSVOA\_X  
ClientSampled :  
Z3-0668MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 178082 |       |       |
| 55      | 71.9  |        | 56.1  | 84.1  |
| 98      | 50.8  |        | 39.0  | 58.4  |

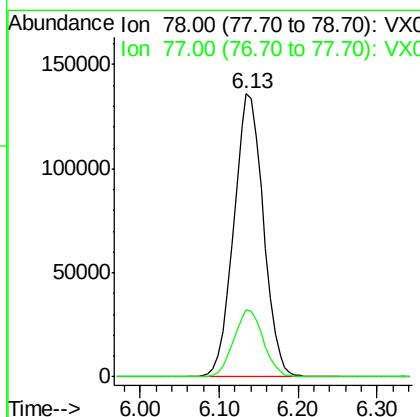
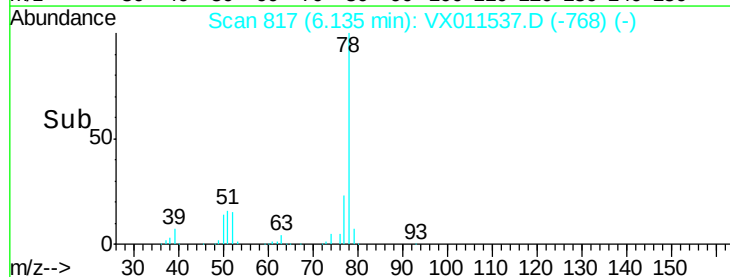
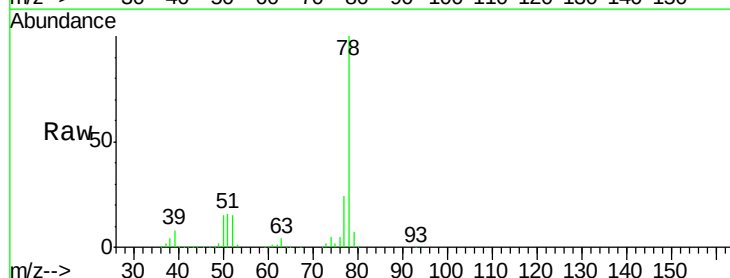
Manual Integrations  
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8/14/2019 11:32:00 AM

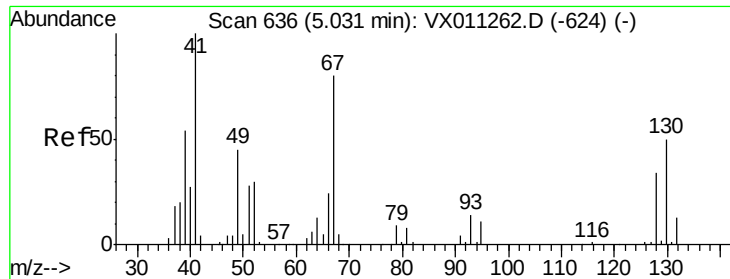


#40  
Benzene  
Concen: 55.715 ug/l  
RT: 6.13 min Scan# 817  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 354497 |       |       |
| 77      | 23.7  |        | 18.2  | 27.2  |







#41

Methacrylonitrile

Concen: 52.472 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0668MS

Tot Ion: 41 Resp: 61289

Ion Ratio Lower Upper

41 100

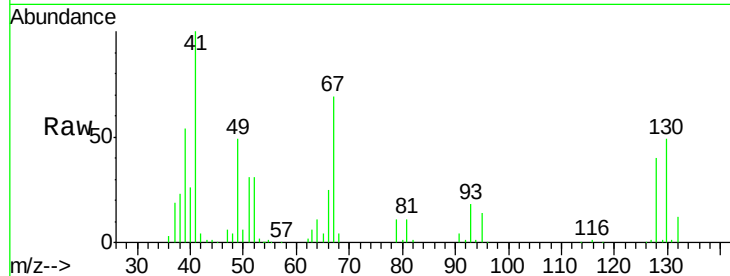
39 57.1 43.0 64.6

67 77.5 65.1 97.7

52 33.1 24.8 37.2

Manual Integrations  
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8/14/2019 11:32:00 AM

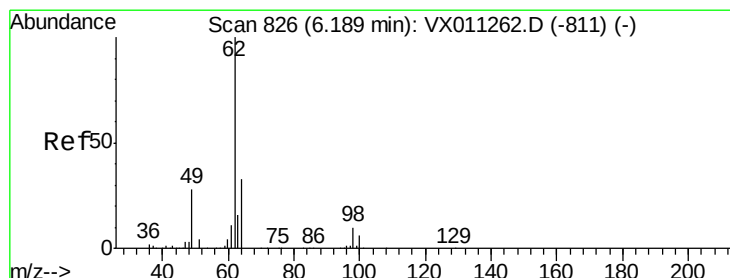
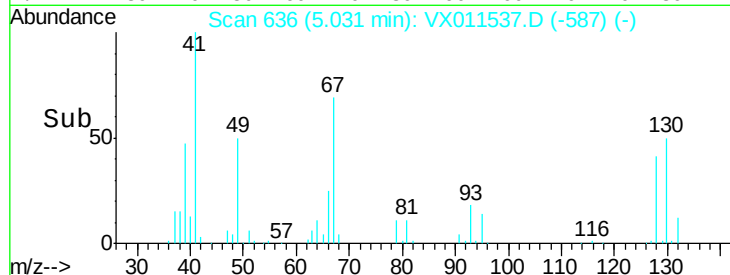
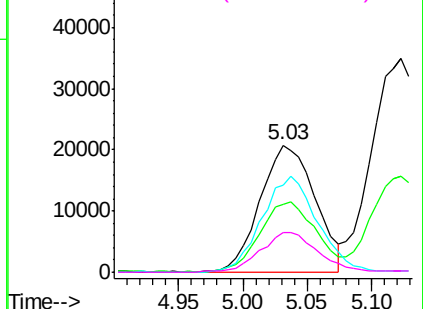


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 55.835 ug/l

RT: 6.18 min Scan# 825

Delta R.T. -0.01 min

Lab File: VX011537.D

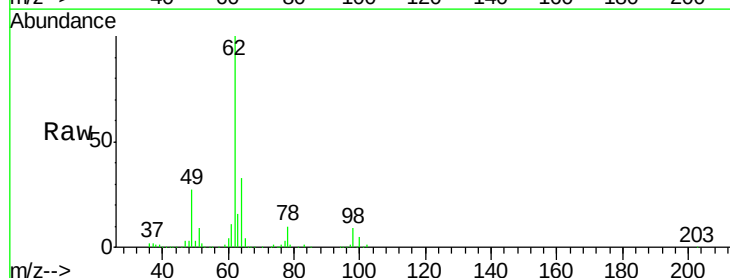
Acq: 13 Aug 2019 15:41

Tgt Ion: 62 Resp: 120131

Ion Ratio Lower Upper

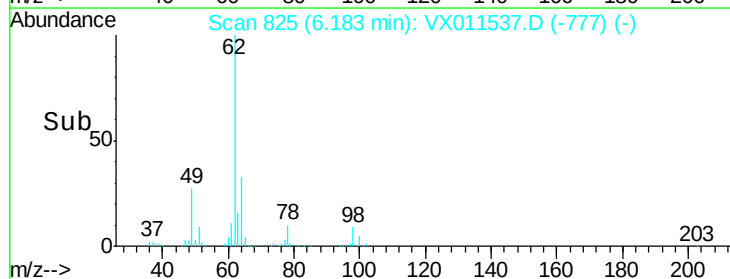
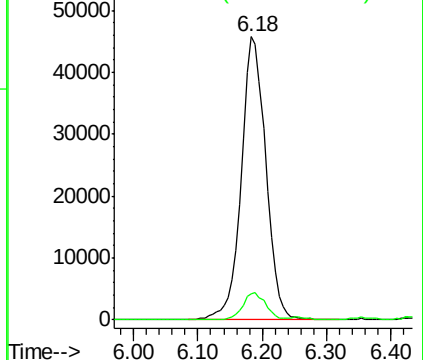
62 100

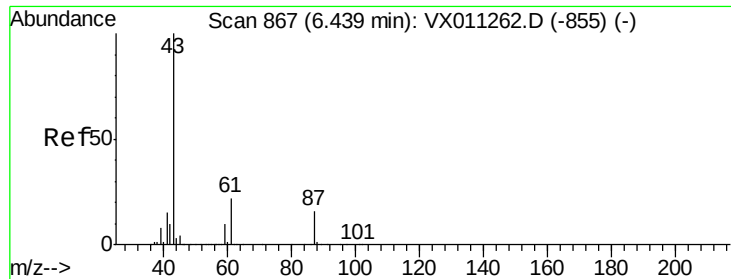
98 9.1 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





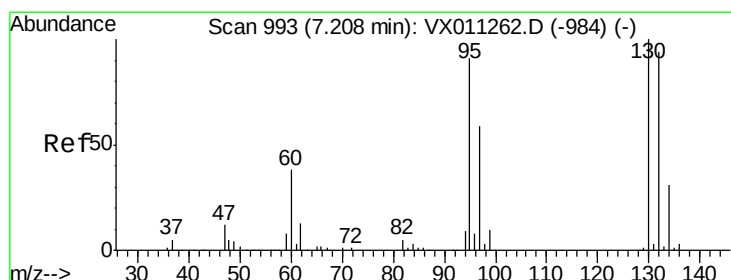
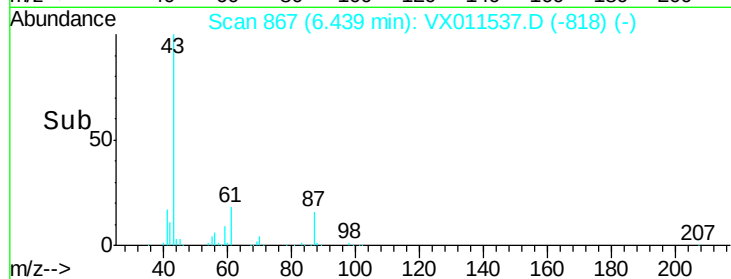
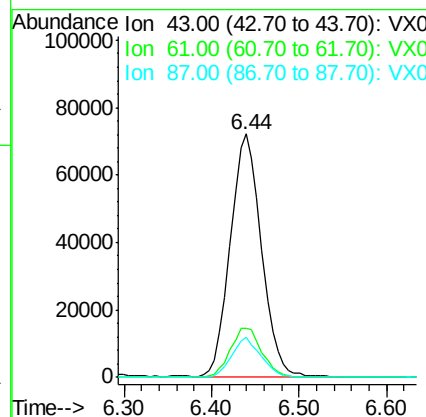
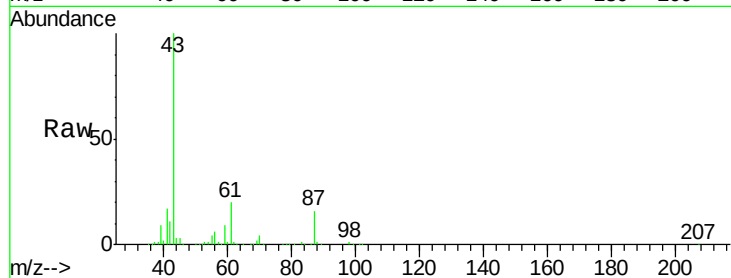
#43  
Isopropyl Acetate  
Concen: 52.068 ug/l  
RT: 6.44 min Scan# 867  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-0668MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 20.8  | 16.5  | 24.7  |
| 87      | 15.4  | 12.1  | 18.1  |

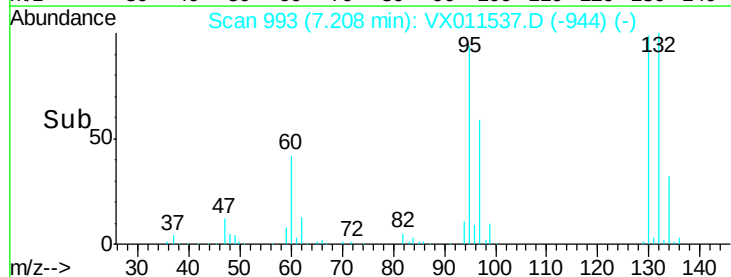
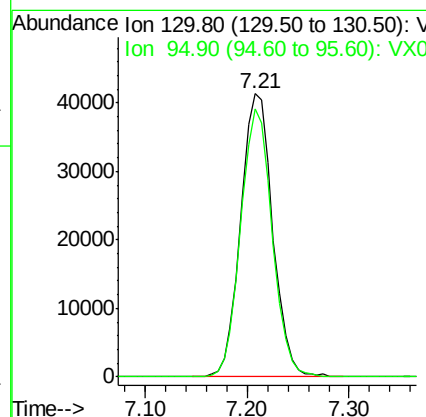
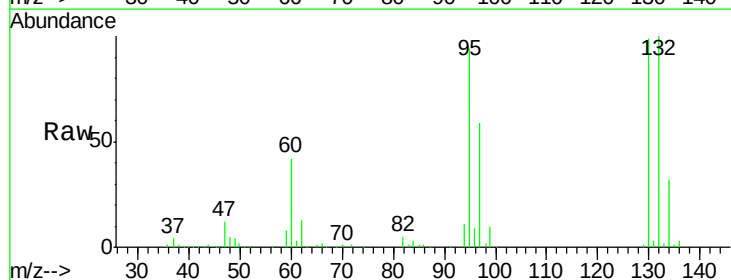
Manual Integrations  
APPROVED

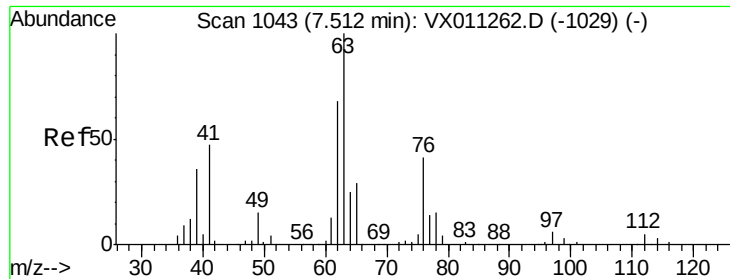
MMDadoda  
8/14/2019 11:32:00 AM



#44  
Trichloroethene  
Concen: 46.482 ug/l  
RT: 7.21 min Scan# 993  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 94.6  | 0.0   | 182.6 |





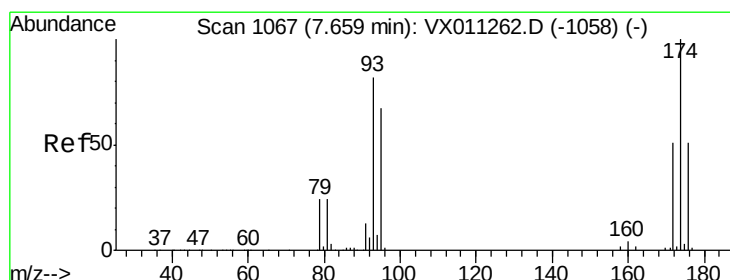
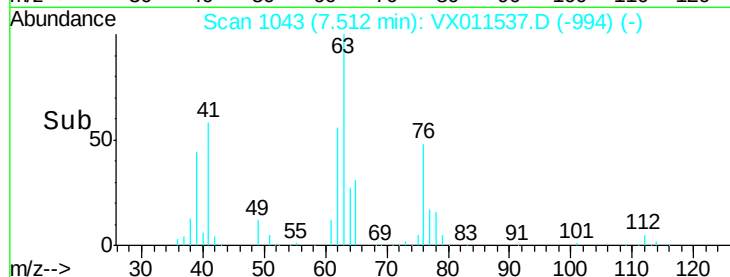
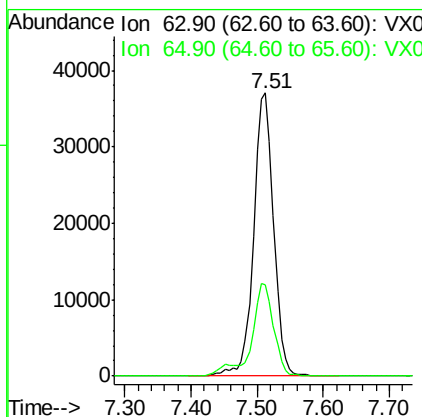
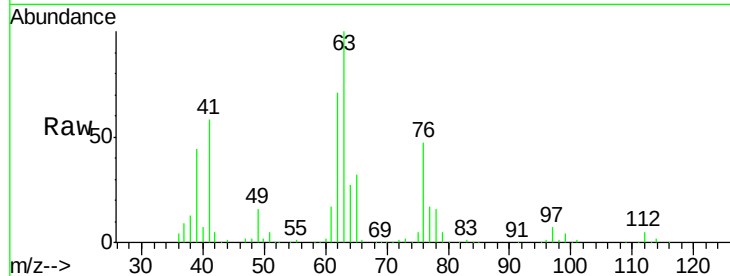
#45  
 1,2-Dichloropropane  
 Concen: 47.719 ug/l  
 RT: 7.51 min Scan# 1043  
 Delta R.T. 0.00 min  
 Lab File: VX011537.D  
 Acq: 13 Aug 2019 15:41

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 Z3-0668MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 32.4  | 23.3  | 34.9  |

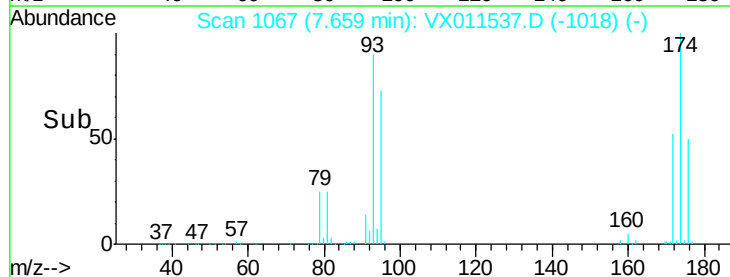
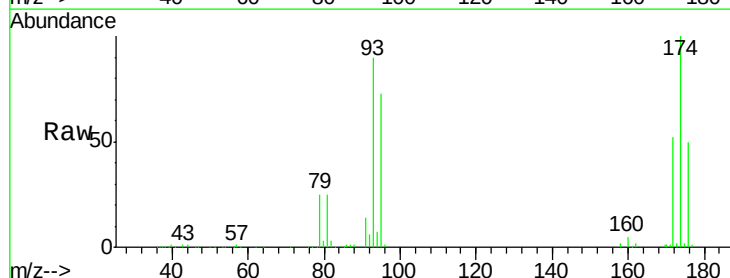
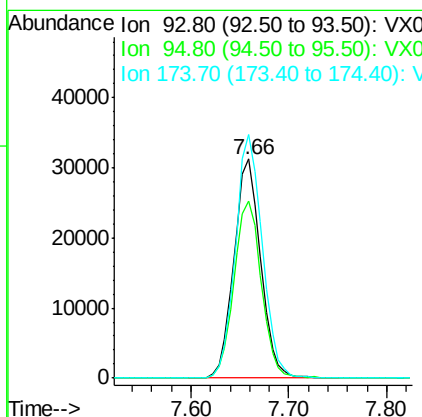
Manual Integrations  
 APPROVED

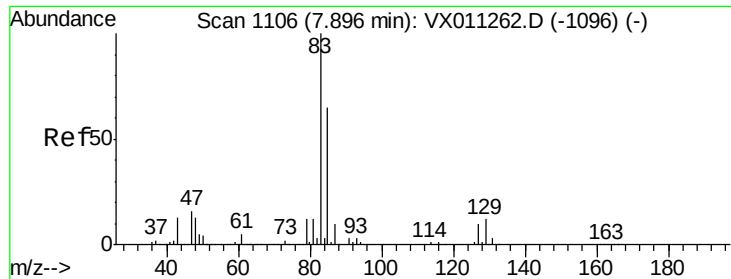
MMDadoda  
 8/14/2019 11:32:00 AM



#46  
 Dibromomethane  
 Concen: 49.342 ug/l  
 RT: 7.66 min Scan# 1067  
 Delta R.T. 0.00 min  
 Lab File: VX011537.D  
 Acq: 13 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 83.0  | 66.4  | 99.6  |
| 174     | 111.5 | 93.4  | 140.2 |





#47

Bromodichloromethane

Concen: 54.022 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

Instrument :

MSVOA\_X

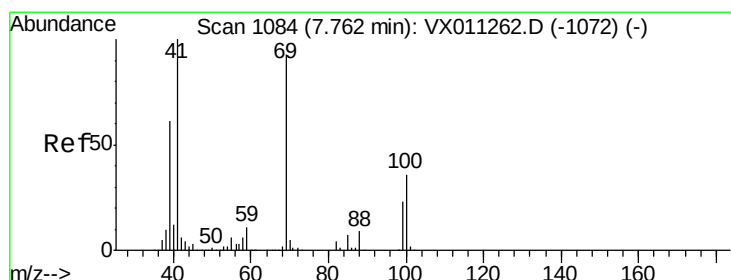
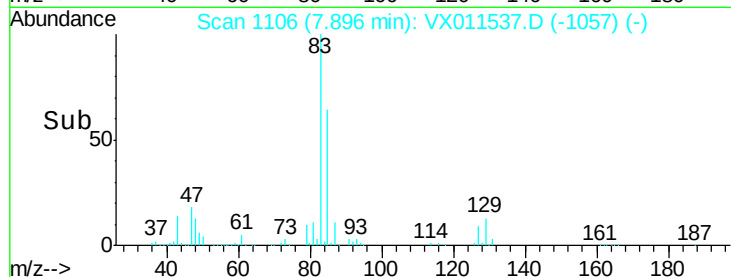
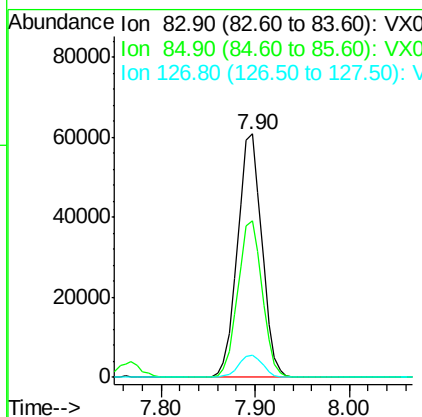
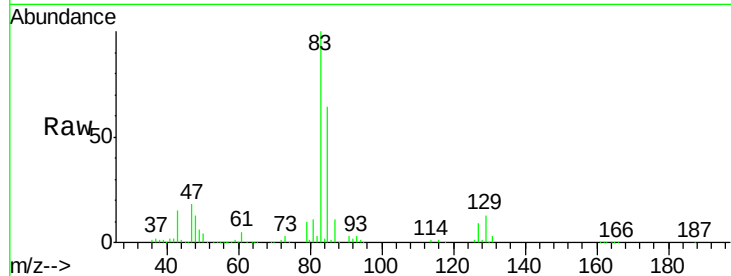
ClientSampleId :

Z3-0668MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 110024 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.2  | 52.2  | 78.2   |
| 127      | 9.1   | 7.8   | 11.8   |

Manual Integrations  
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MMDadoda  
8/14/2019 11:32:00 AM



#48

Methyl methacrylate

Concen: 57.380 ug/l

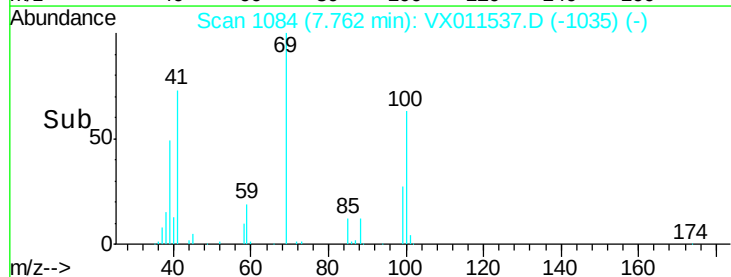
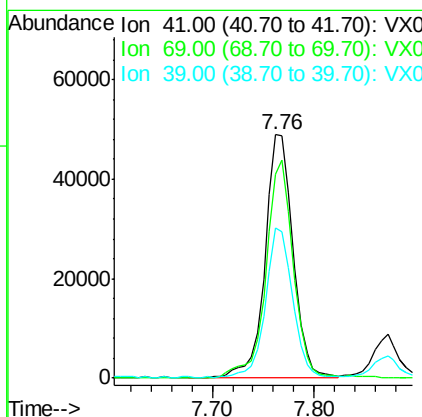
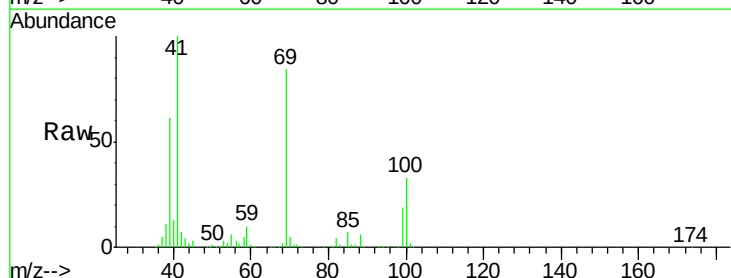
RT: 7.76 min Scan# 1084

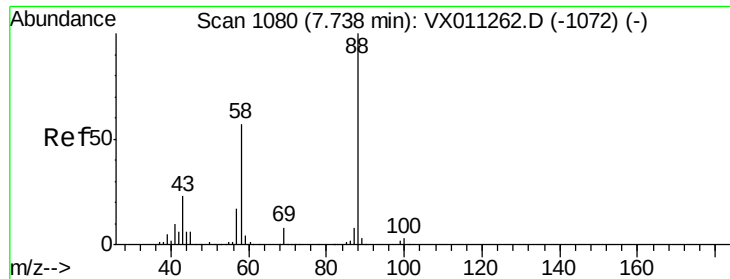
Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 92337 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 88.2  | 74.5  | 111.7 |
| 39       | 59.6  | 48.6  | 72.8  |





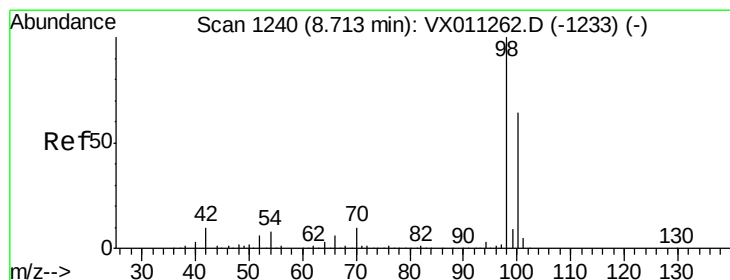
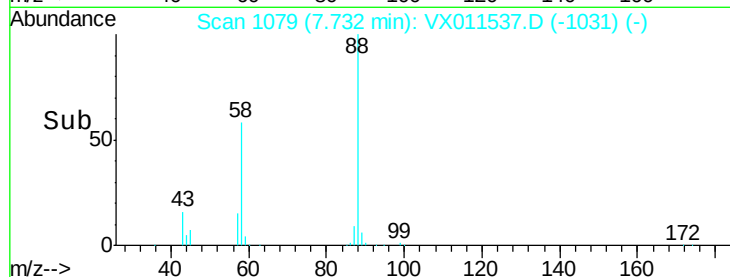
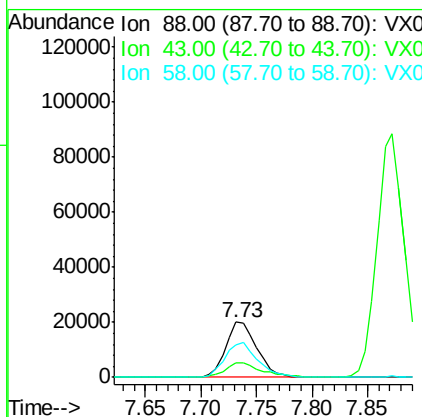
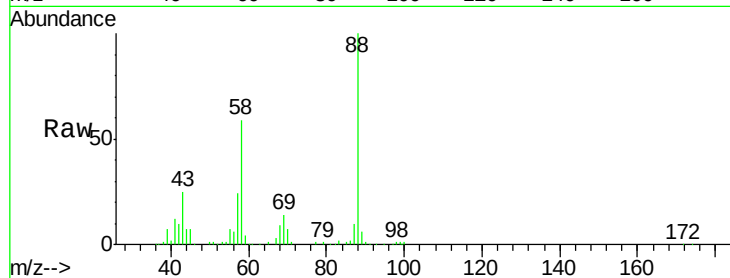
#49  
 1,4-Dioxane  
 Concen: 843.107 ug/l  
 RT: 7.73 min Scan# 1079  
 Delta R.T. -0.01 min  
 Lab File: VX011537.D  
 Acq: 13 Aug 2019 15:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0668MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 29.0  | 22.2  | 33.2  |
| 58      | 66.0  | 47.8  | 71.8  |

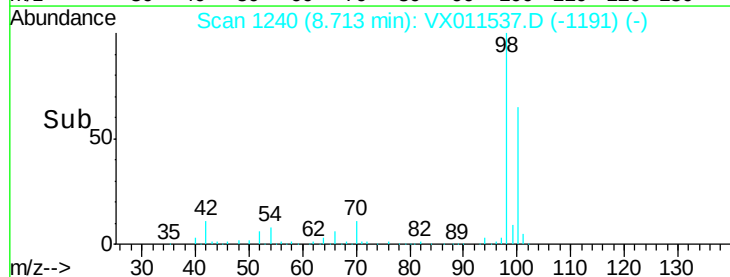
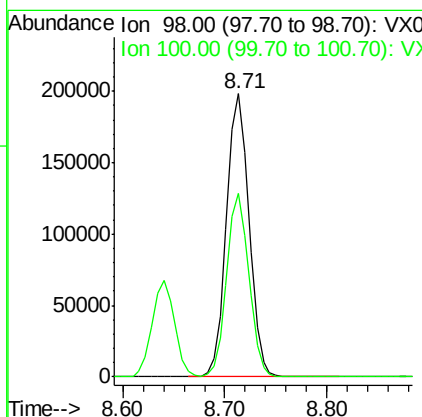
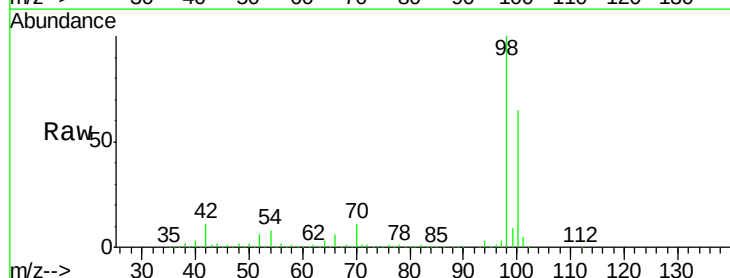
Manual Integrations  
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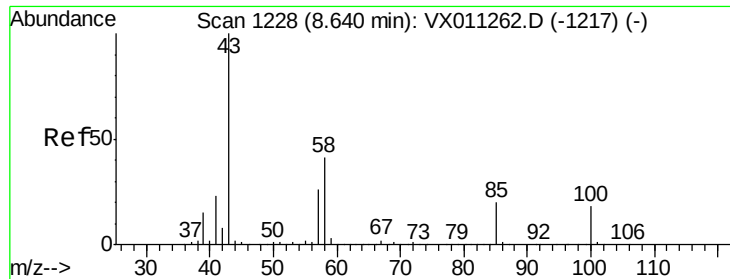
MMDadoda  
 8/14/2019 11:32:00 AM



#50  
 Toluene-d8  
 Concen: 50.223 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VX011537.D  
 Acq: 13 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.9  | 51.7  | 77.5  |





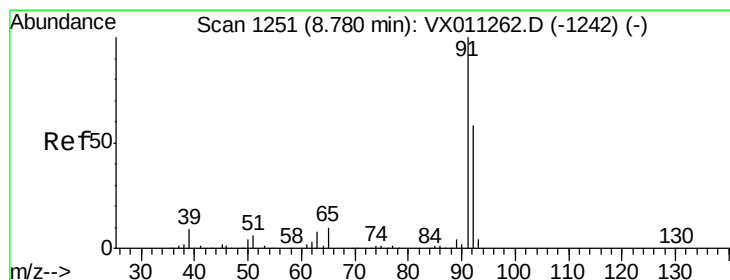
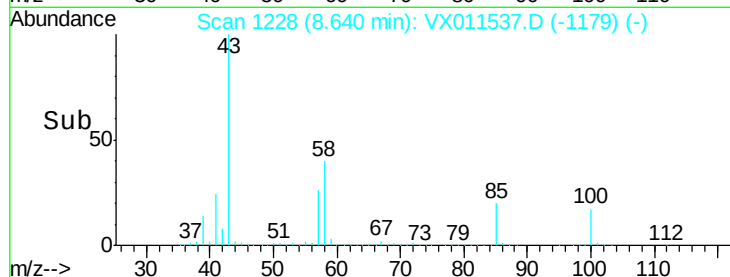
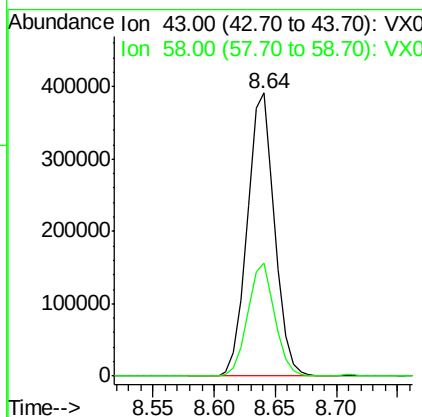
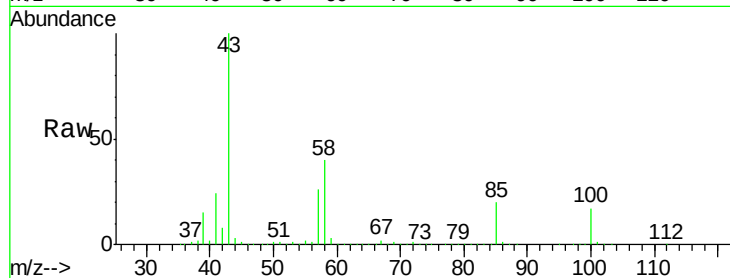
#51  
4-Methyl-2-Pentanone  
Concen: 274.997 ug/l  
RT: 8.64 min Scan# 1228  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

Instrument :  
MSVOA\_X  
ClientSampled :  
Z3-0668MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 39.8  | 32.3  | 48.5  |

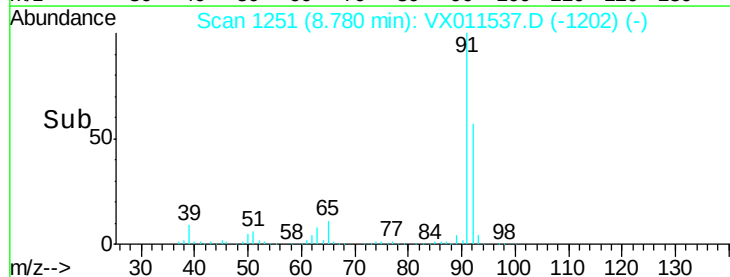
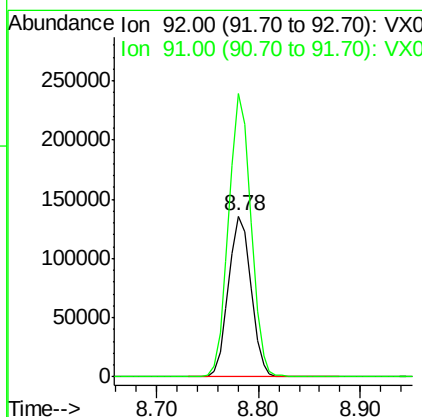
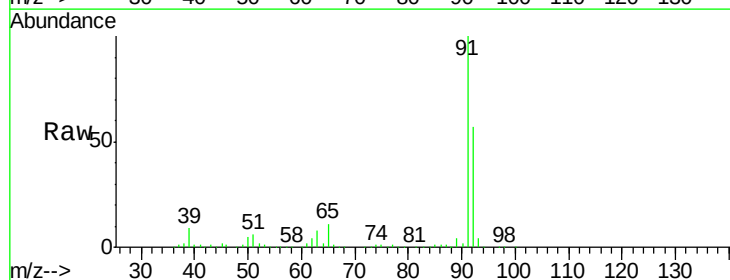
Manual Integrations  
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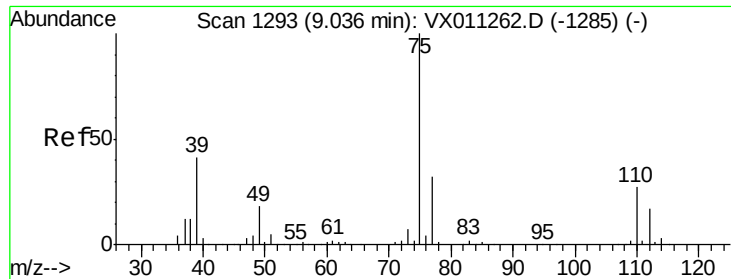
MMDadoda  
8/14/2019 11:32:00 AM



#52  
Toluene  
Concen: 49.487 ug/l  
RT: 8.78 min Scan# 1251  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 174.0 | 139.4 | 209.0 |





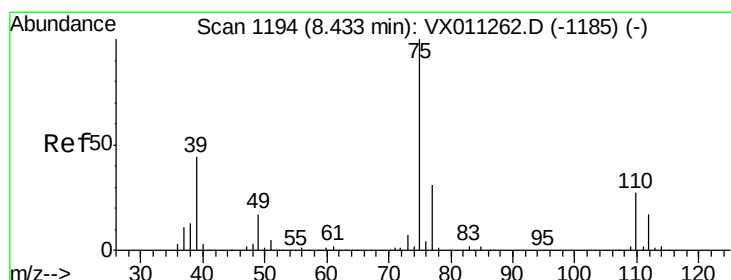
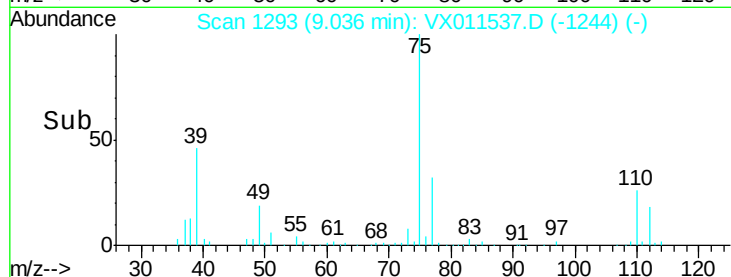
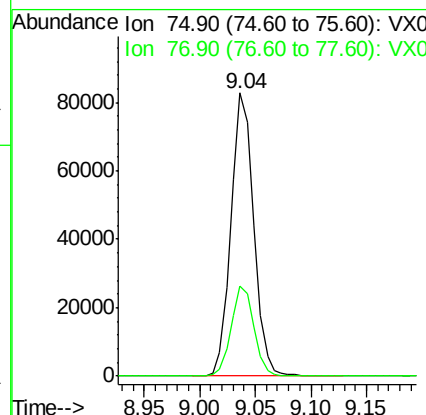
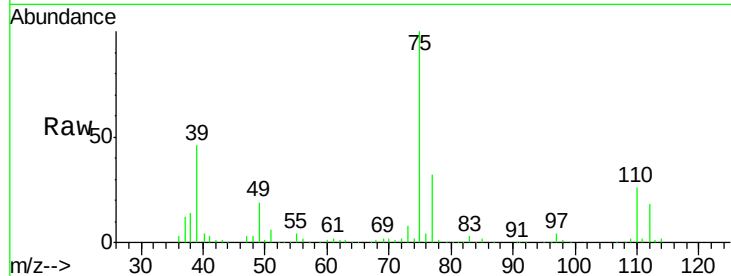
#53  
t-1,3-Dichloropropene  
Concen: 49.438 ug/l  
RT: 9.04 min Scan# 1293  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-0668MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.8  | 25.4  | 38.0  |

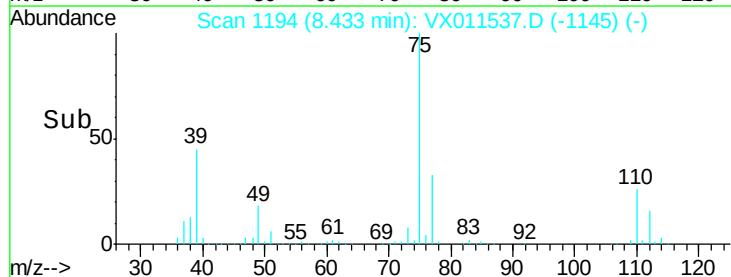
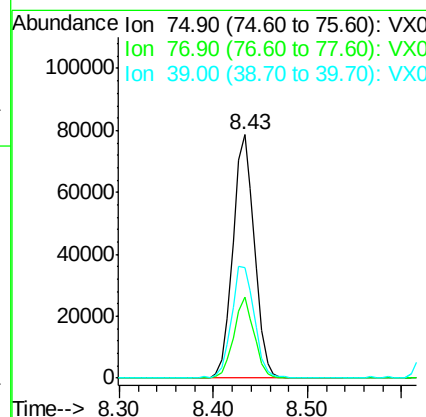
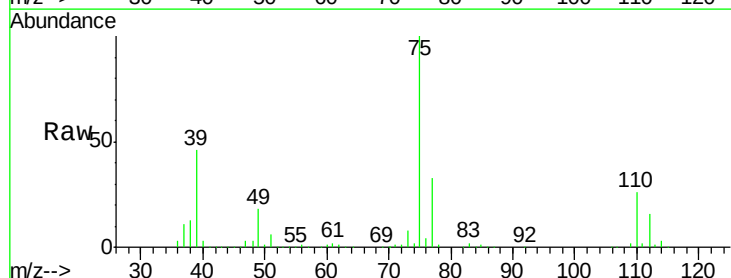
Manual Integrations  
APPROVED

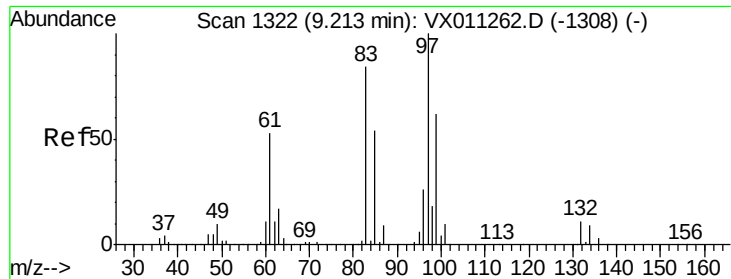
MMDadoda  
8/14/2019 11:32:00 AM



#54  
cis-1,3-Dichloropropene  
Concen: 52.328 ug/l  
RT: 8.43 min Scan# 1194  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 33.1  | 25.0  | 37.6  |
| 39      | 45.3  | 35.3  | 52.9  |





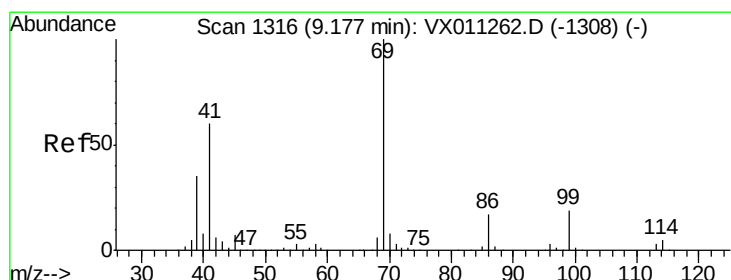
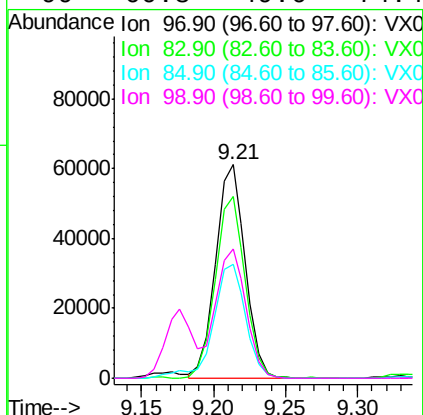
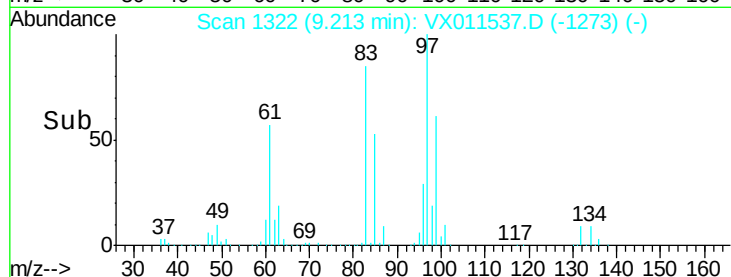
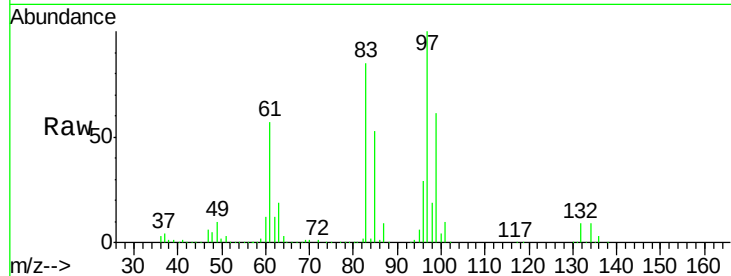
#55  
 1,1,2-Trichloroethane  
 Concen: 50.852 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. 0.00 min  
 Lab File: VX011537.D  
 Acq: 13 Aug 2019 15:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0668MS

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 97      | 100  |       | 87957 |       |       |
| 83      | 85.2 | 67.6  | 101.4 |       |       |
| 85      | 53.2 | 43.4  | 65.0  |       |       |
| 99      | 60.8 | 49.6  | 74.4  |       |       |

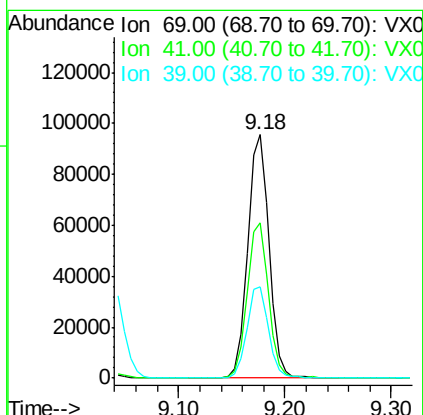
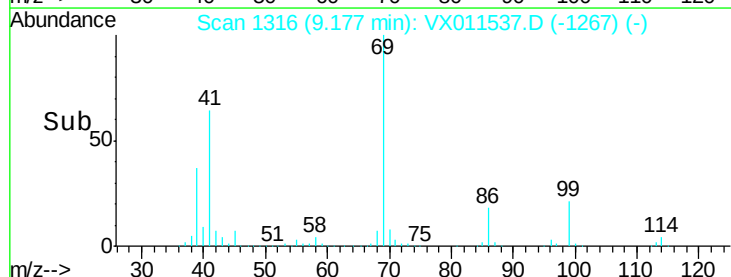
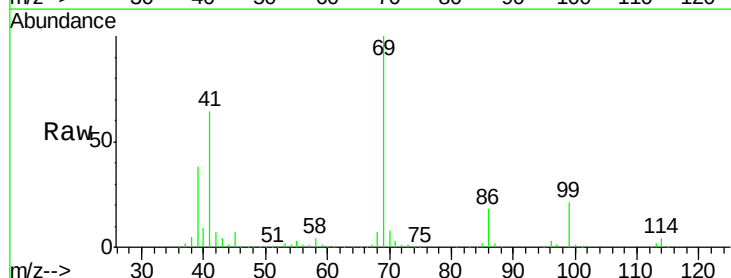
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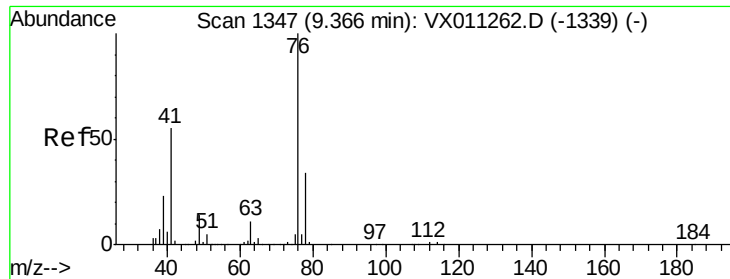


#56  
 Ethyl methacrylate  
 Concen: 54.455 ug/l  
 RT: 9.18 min Scan# 1316  
 Delta R.T. 0.00 min  
 Lab File: VX011537.D  
 Acq: 13 Aug 2019 15:41

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 134223 |       |       |
| 41      | 63.6 | 48.6  | 73.0   |       |       |
| 39      | 37.6 | 29.4  | 44.2   |       |       |







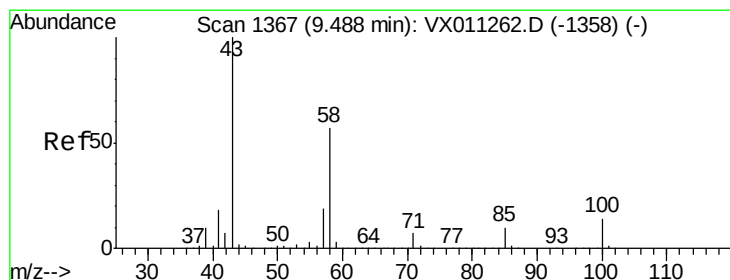
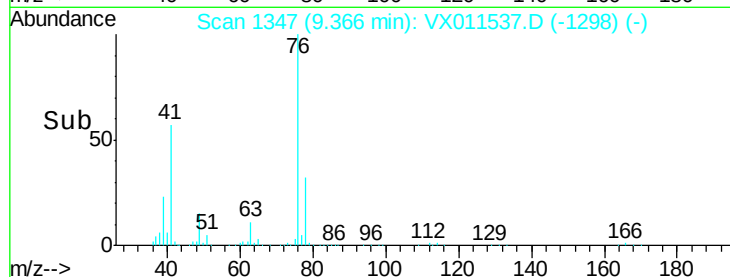
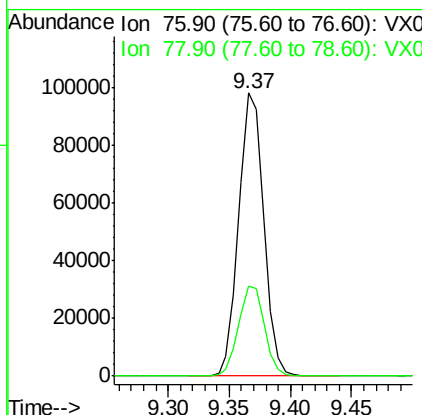
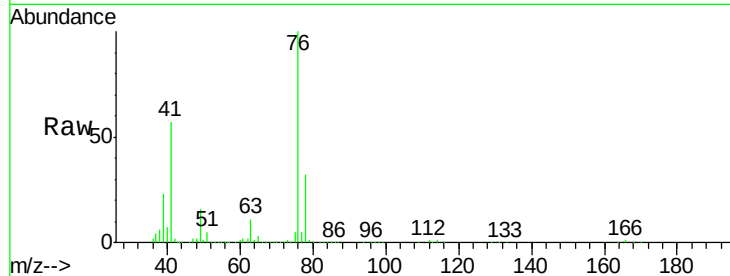
#57  
 1,3-Dichloropropane  
 Concen: 50.733 ug/l  
 RT: 9.37 min Scan# 1347  
 Delta R.T. 0.00 min  
 Lab File: VX011537.D  
 Acq: 13 Aug 2019 15:41

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 Z3-0668MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 33.0  | 26.6  | 40.0  |

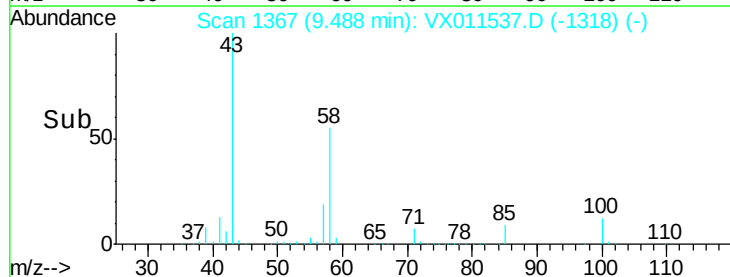
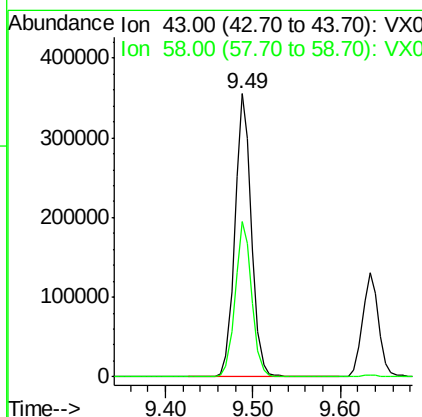
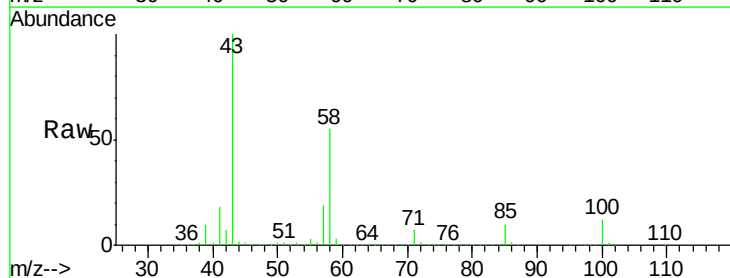
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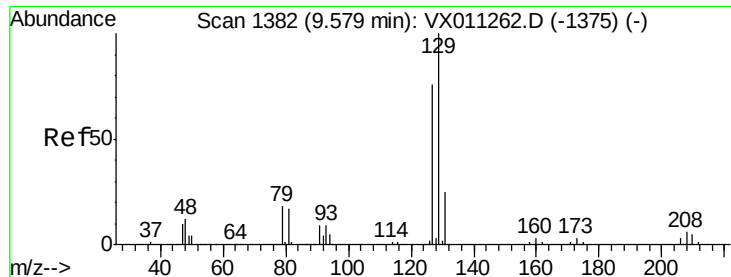
MMDadoda  
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#59  
 2-Hexanone  
 Concen: 275.322 ug/l  
 RT: 9.49 min Scan# 1367  
 Delta R.T. 0.00 min  
 Lab File: VX011537.D  
 Acq: 13 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 54.9  | 28.2  | 84.6  |





#60

Dibromochloromethane

Concen: 54.427 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0668MS

Tot Ion:129 Resp: 96381

Ion Ratio Lower Upper

129 100

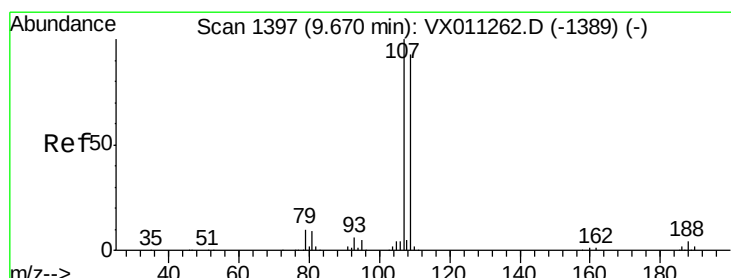
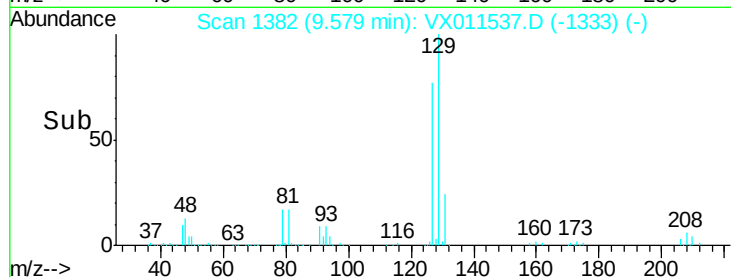
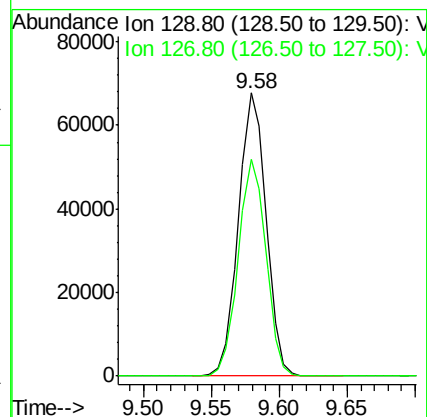
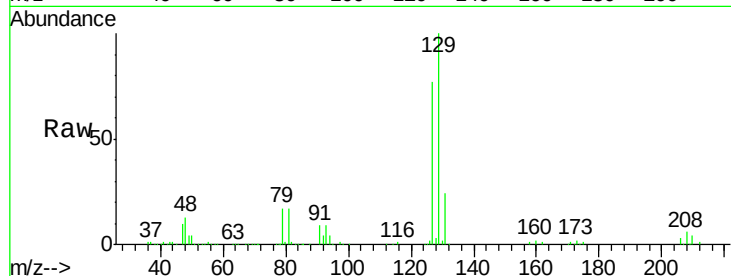
127 76.7 39.2 117.6

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#61

1,2-Dibromoethane

Concen: 51.784 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011537.D

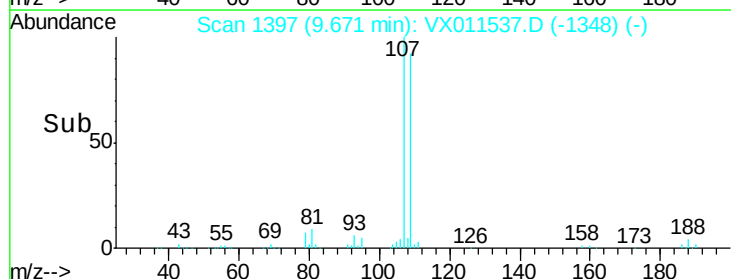
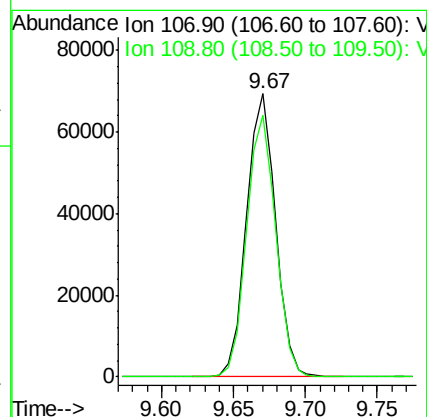
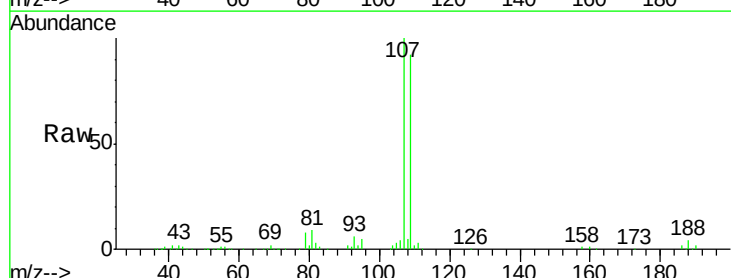
Acq: 13 Aug 2019 15:41

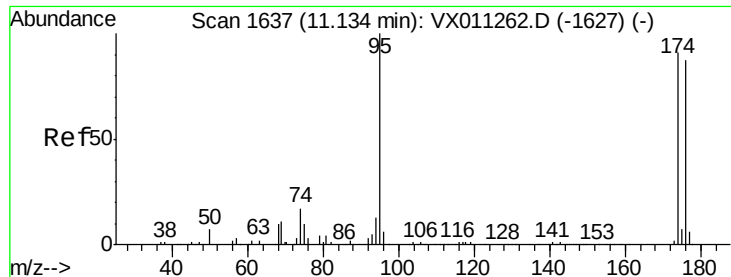
Tgt Ion:107 Resp: 96769

Ion Ratio Lower Upper

107 100

109 92.7 76.6 114.8





#62

4-Bromofluorobenzene

Concen: 55.868 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

Instrument :

MSVOA\_X

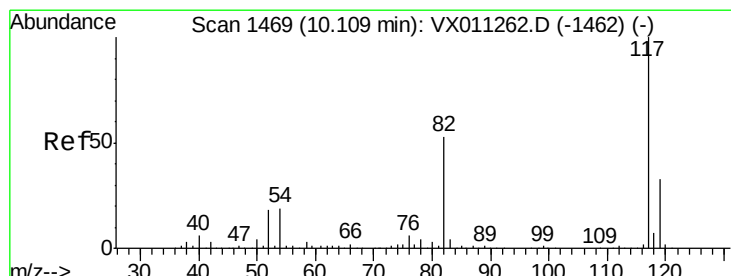
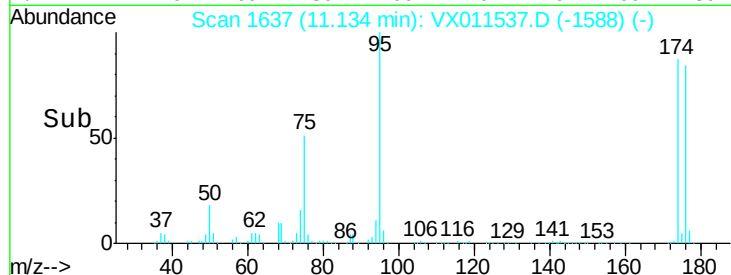
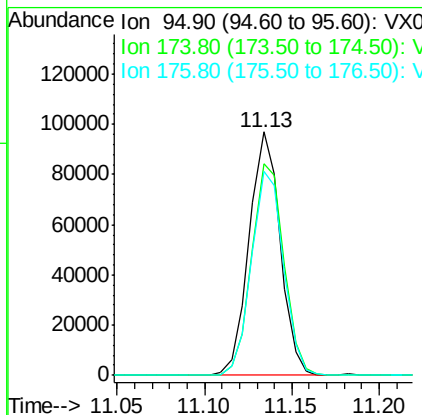
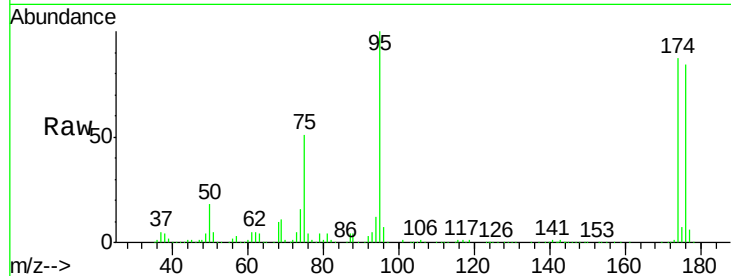
ClientSampleId :

Z3-0668MS

| Tot Ion   | 95    | Resp  | 120047 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 89.9  | 0.0   | 191.2  |
| 176       | 86.4  | 0.0   | 184.8  |

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

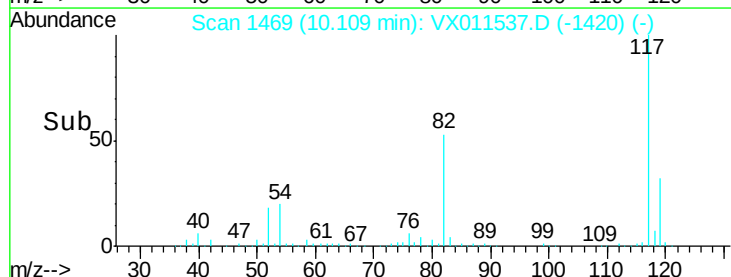
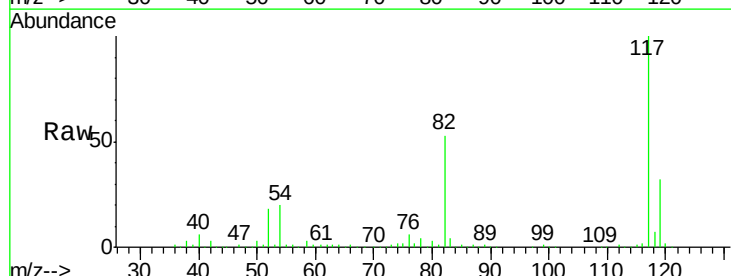
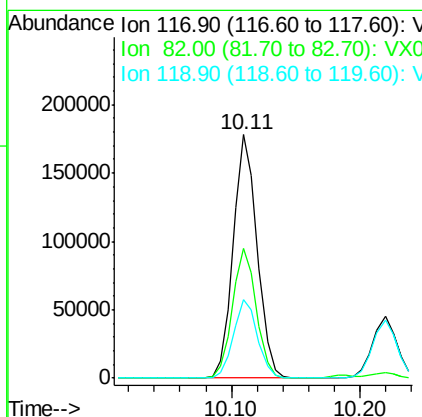
RT: 10.11 min Scan# 1469

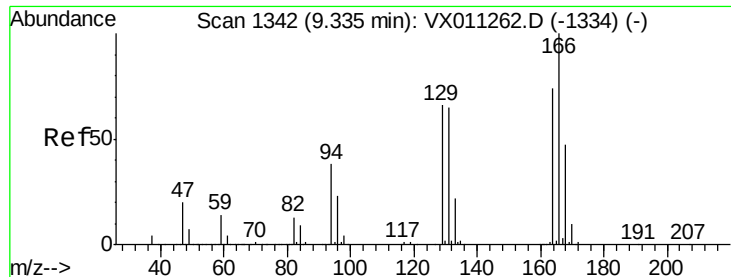
Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

| Tgt Ion   | 117   | Resp  | 230709 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 53.1  | 42.2  | 63.2   |
| 119       | 32.3  | 26.6  | 39.8   |





#64

Tetrachloroethene

Concen: 42.993 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0668MS

Tot Ion:164 Resp: 84235

Ion Ratio Lower Upper

164 100

166 125.2 107.5 161.3

129 88.6 71.0 106.4

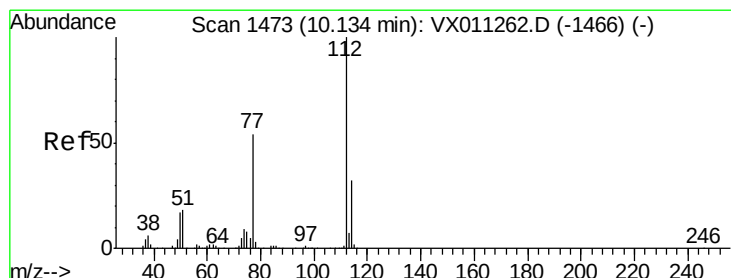
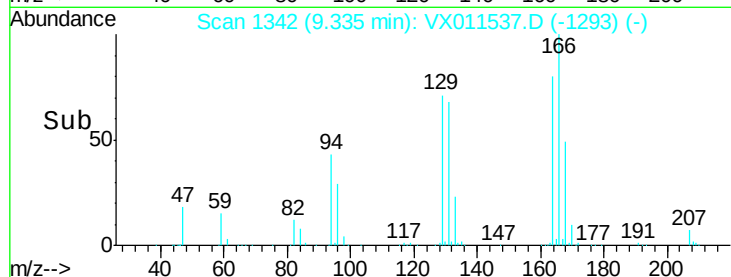
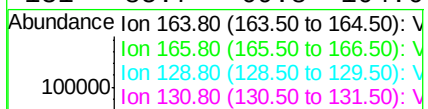
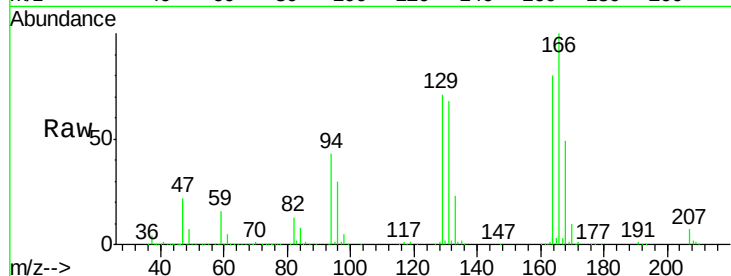
131 85.7 69.8 104.6

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#65

Chlorobenzene

Concen: 48.457 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011537.D

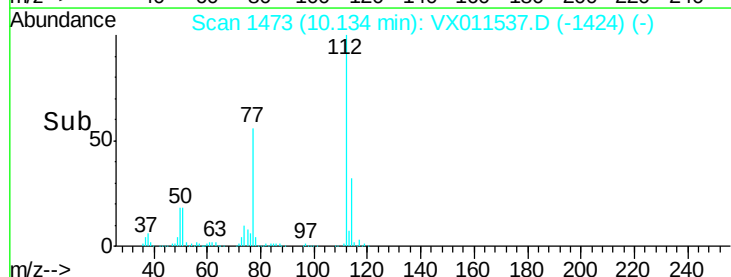
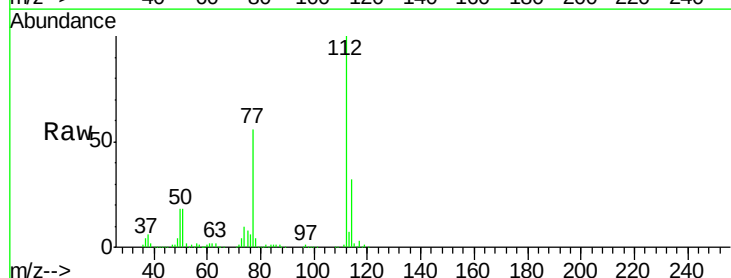
Acq: 13 Aug 2019 15:41

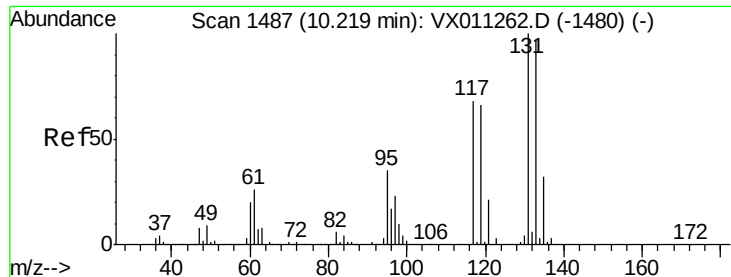
Tgt Ion:112 Resp: 239701

Ion Ratio Lower Upper

112 100

114 32.0 25.9 38.9





#66

1,1,1,2-Tetrachloroethane

Concen: 52.685 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

Instrument :

MSVOA\_X

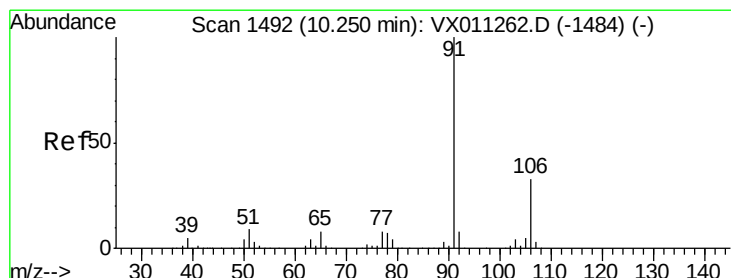
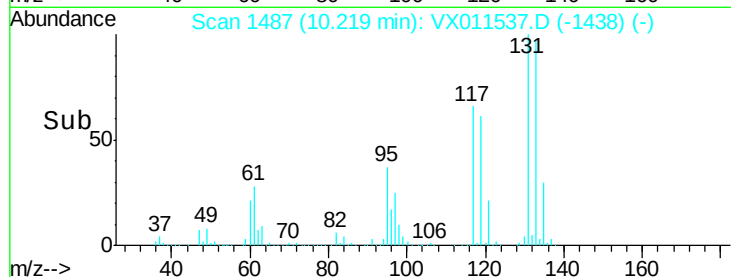
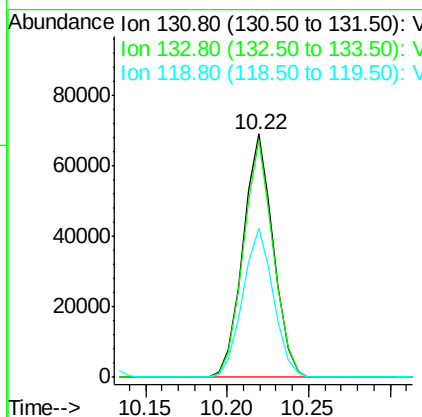
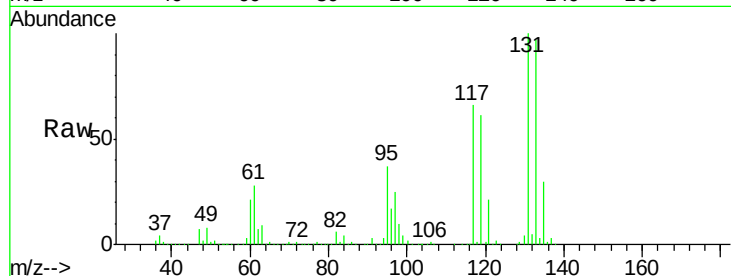
ClientSampled :

Z3-0668MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 131   | Resp: | 89224 |
| Ion      | Ratio | Lower | Upper |
| 131      | 100   |       |       |
| 133      | 96.3  | 47.7  | 143.1 |
| 119      | 62.4  | 32.8  | 98.3  |

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#67

Ethyl Benzene

Concen: 244.115 ug/l

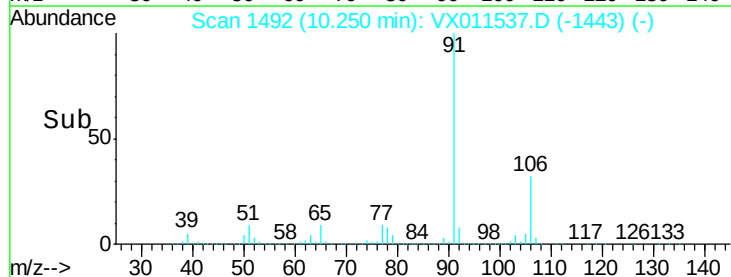
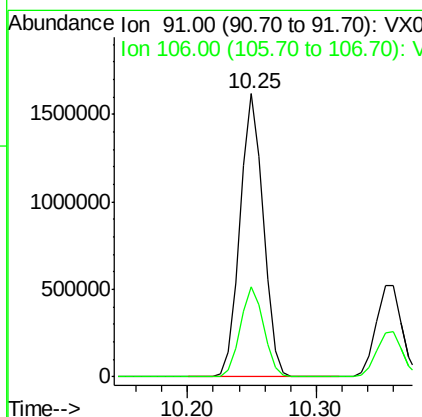
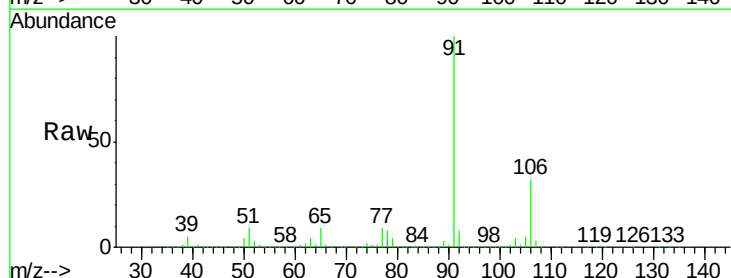
RT: 10.25 min Scan# 1492

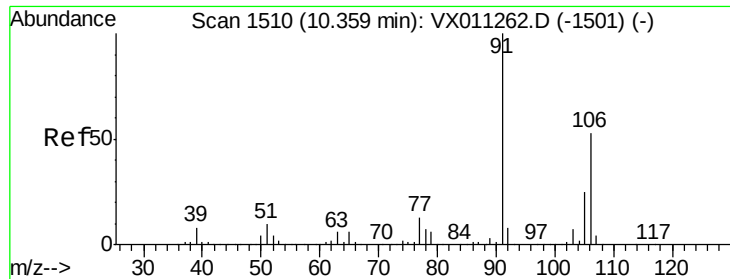
Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 91    | Resp: | 2022365 |
| Ion      | Ratio | Lower | Upper   |
| 91       | 100   |       |         |
| 106      | 31.9  | 26.2  | 39.4    |





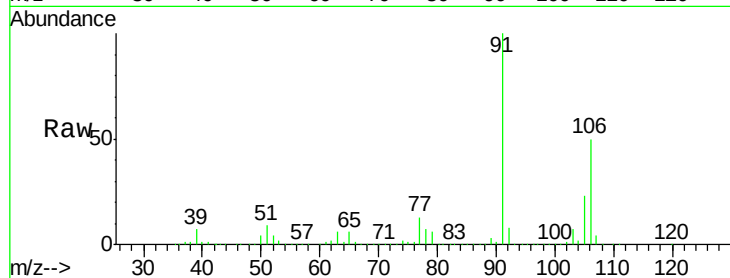
#68  
m/p-Xylenes  
Concen: 111.357 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

Instrument :  
MSVOA\_X  
ClientSampled :  
Z3-0668MS

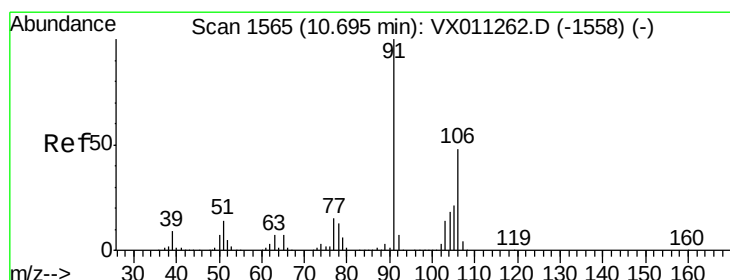
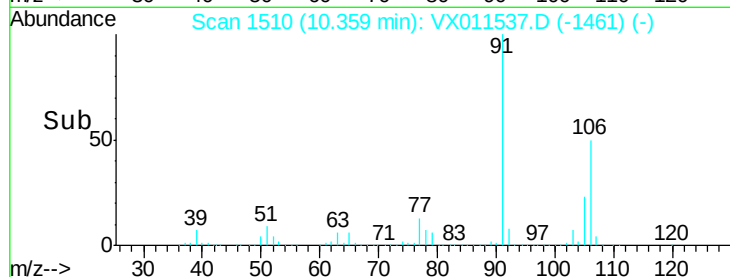
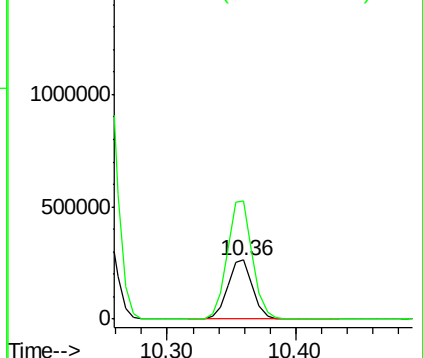
| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |       |
| 91      | 202.4 | 155.9 | 233.9 |       |       |

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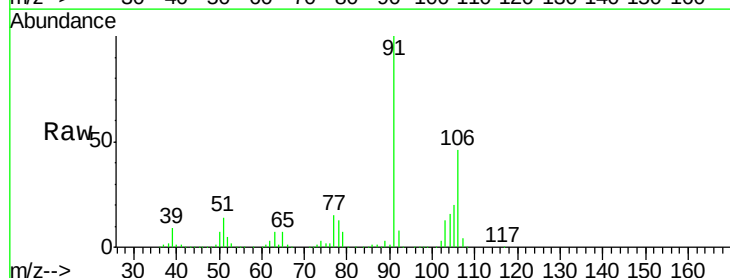


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

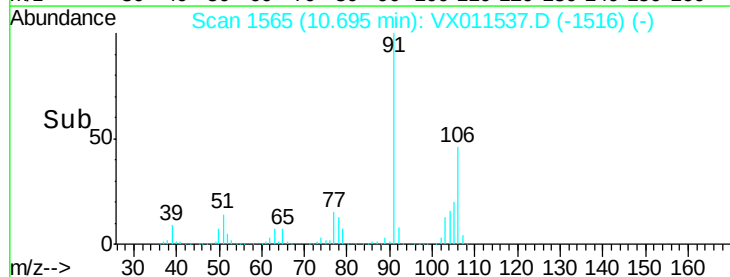
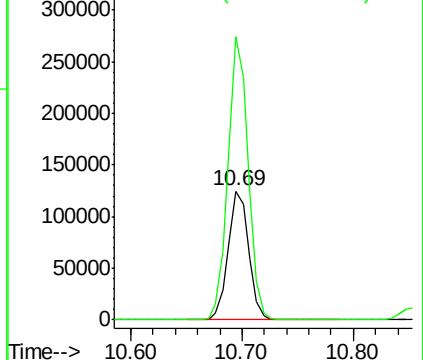


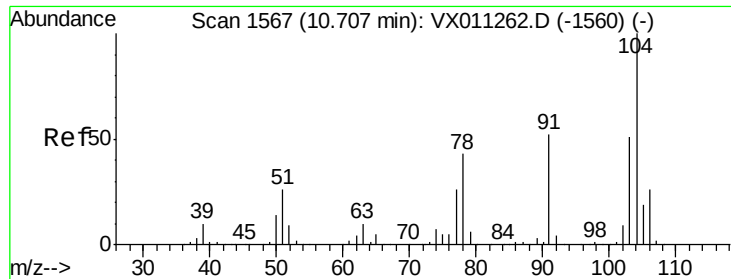
#69  
o-Xylene  
Concen: 50.511 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

| Tgt Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |       |
| 91      | 215.7 | 103.8 | 311.3 |       |       |



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





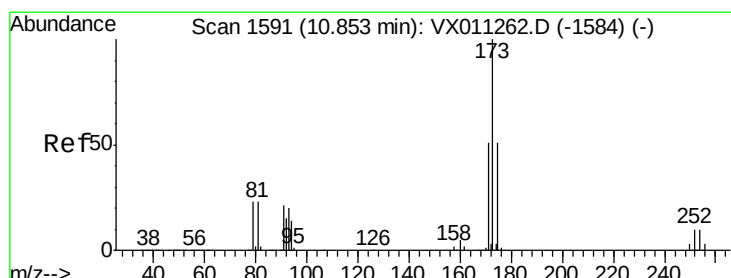
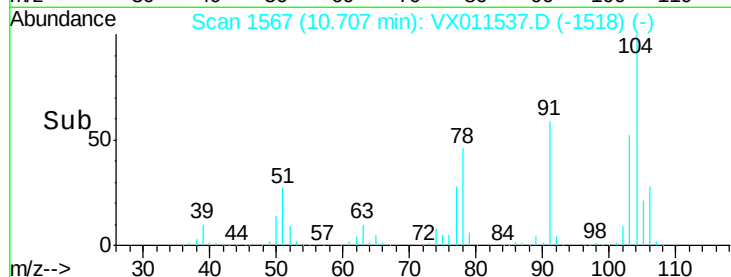
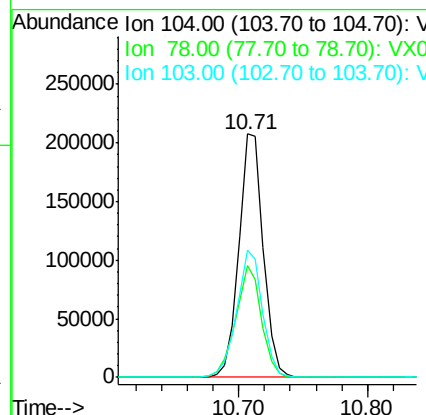
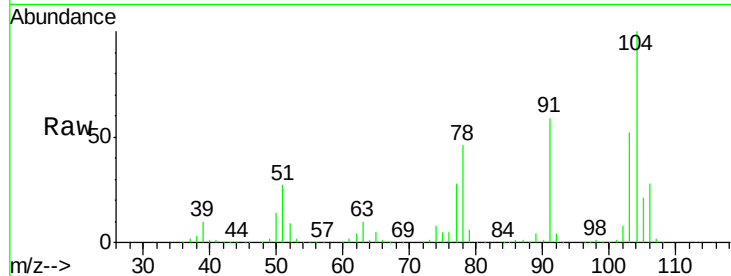
#70  
Stvrene  
Concen: 52.809 ug/l  
RT: 10.71 min Scan# 1567  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

Instrument :  
MSVOA\_X  
ClientSampled :  
Z3-0668MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 104     | 100   | 275114 |       |       |
| 78      | 48.5  | 36.9   | 55.3  |       |
| 103     | 55.1  | 44.4   | 66.6  |       |

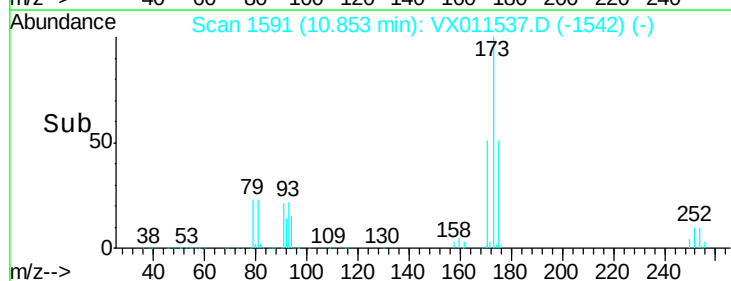
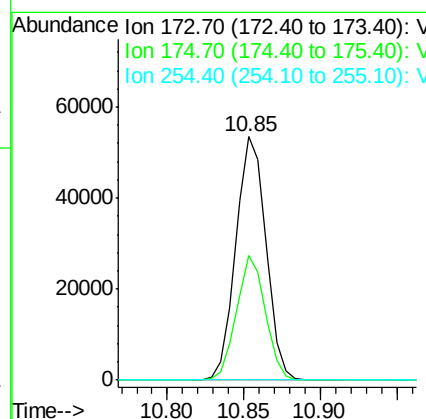
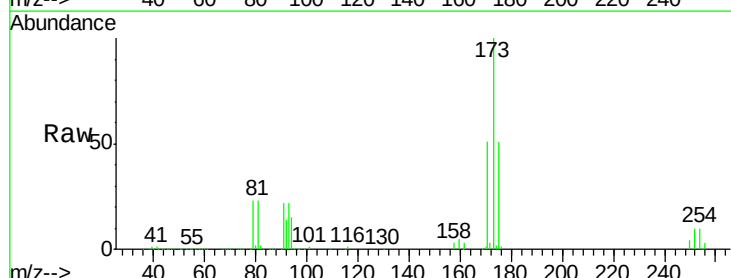
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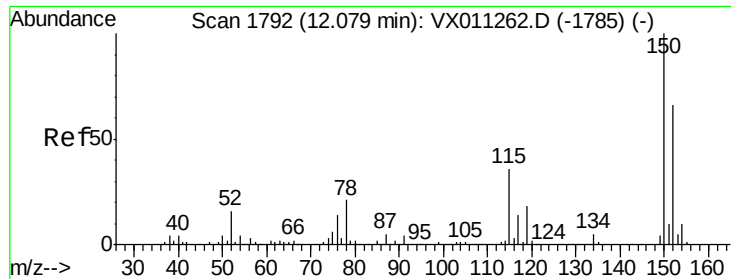
MMDadoda  
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#71  
Bromoform  
Concen: 48.234 ug/l  
RT: 10.85 min Scan# 1591  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 173     | 100   | 72877 |       |       |
| 175     | 49.0  | 24.4  | 73.4  |       |
| 254     | 0.1   | 0.2   | 0.2#  |       |





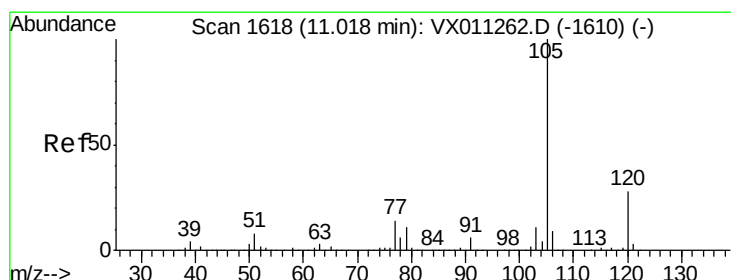
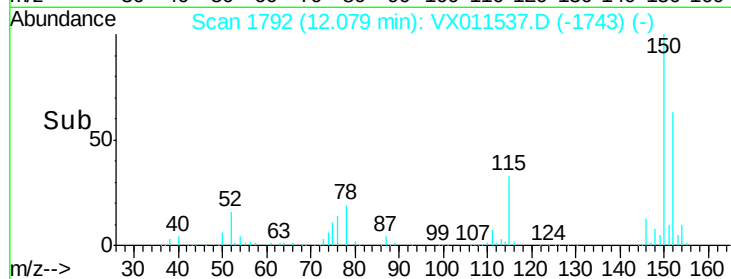
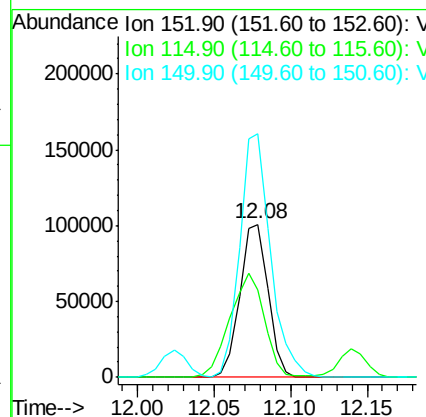
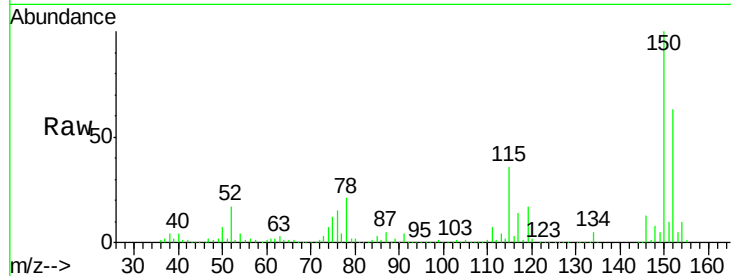
#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX011537.D  
 Acq: 13 Aug 2019 15:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0668MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 82.7  | 40.0  | 119.9 |
| 150     | 174.5 | 0.0   | 350.4 |

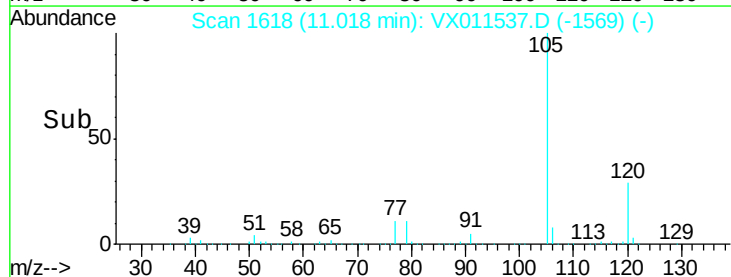
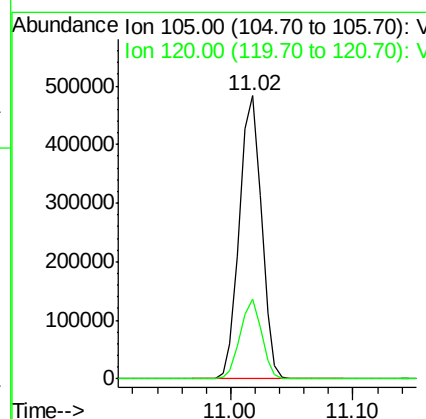
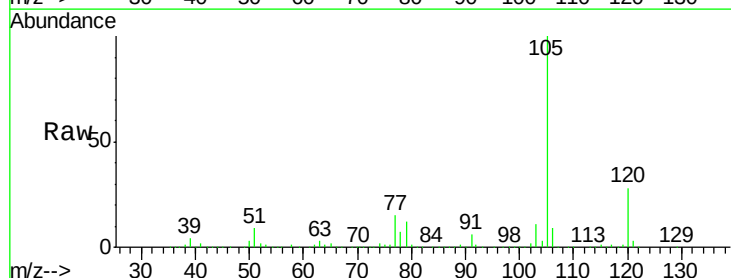
Manual Integrations  
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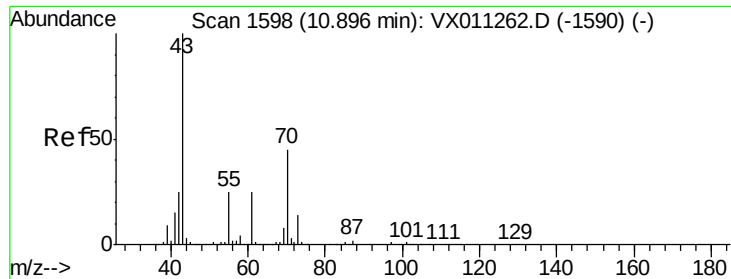


#73  
 Isopropylbenzene  
 Concen: 68.483 ug/l  
 RT: 11.02 min Scan# 1618  
 Delta R.T. 0.00 min  
 Lab File: VX011537.D  
 Acq: 13 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 27.1  | 13.7  | 41.1  |







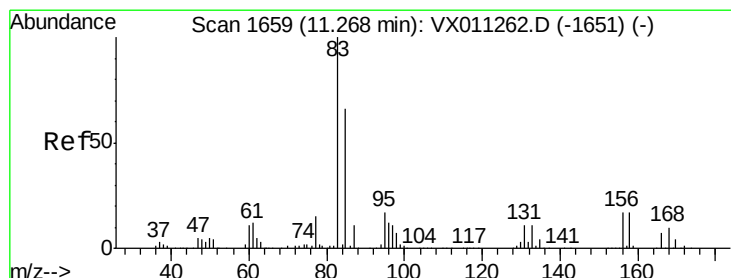
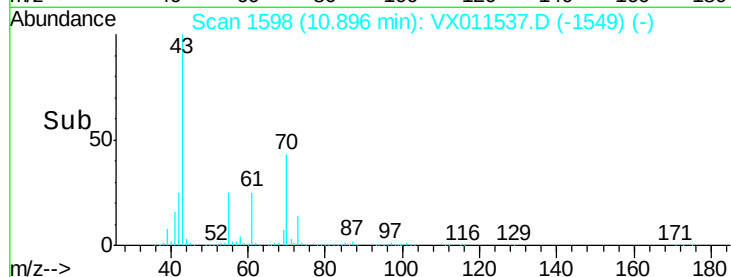
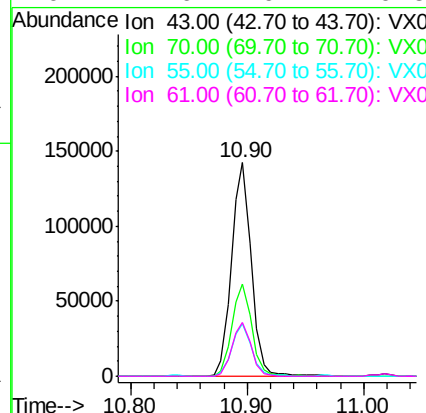
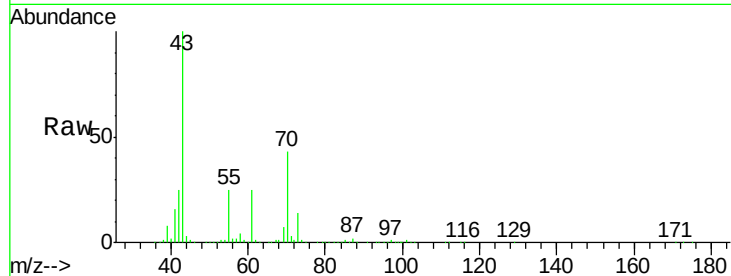
#74  
N-amvl acetate  
Concen: 52.748 ug/l  
RT: 10.90 min Scan# 1598  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-0668MS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 43      | 100  |       |      |       |       |
| 70      | 43.1 | 35.9  | 53.9 |       |       |
| 55      | 24.4 | 19.8  | 29.6 |       |       |
| 61      | 24.6 | 19.7  | 29.5 |       |       |

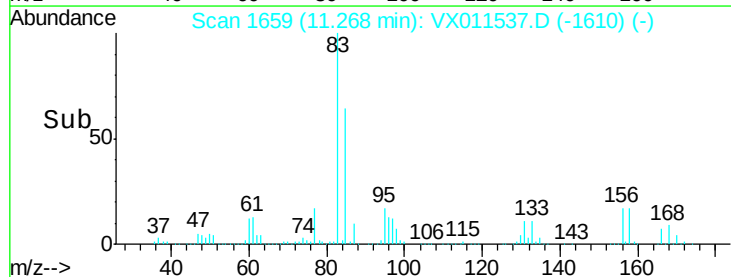
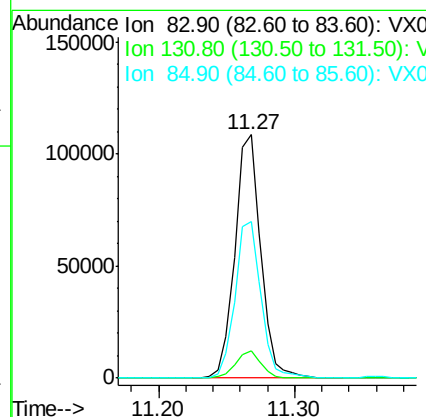
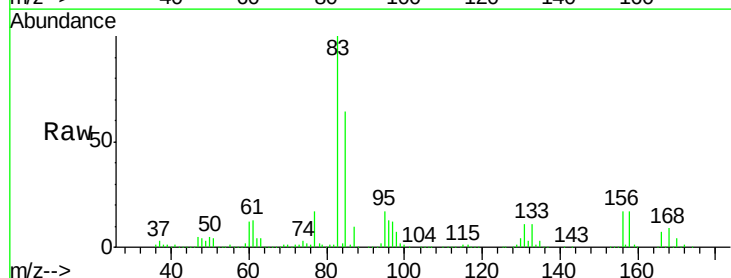
Manual Integrations  
APPROVED

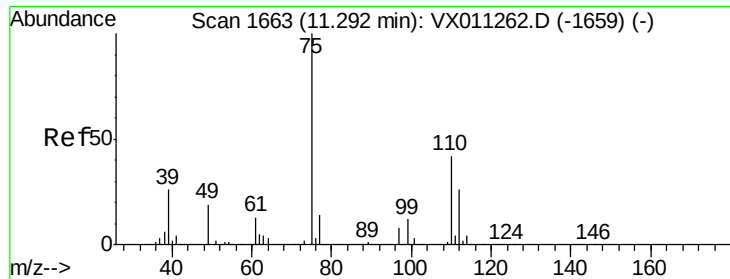
MMDadoda  
8/14/2019 11:32:00 AM



#75  
1,1,2,2-Tetrachloroethane  
Concen: 48.749 ug/l  
RT: 11.27 min Scan# 1659  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 83      | 100  |       |      |       |       |
| 131     | 11.2 | 5.6   | 16.8 |       |       |
| 85      | 64.8 | 32.1  | 96.5 |       |       |





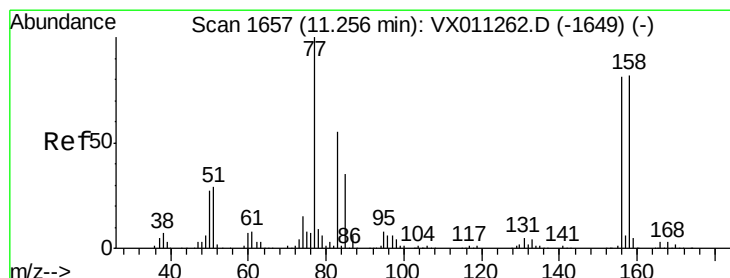
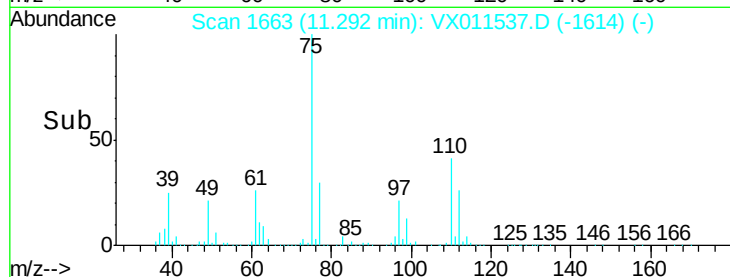
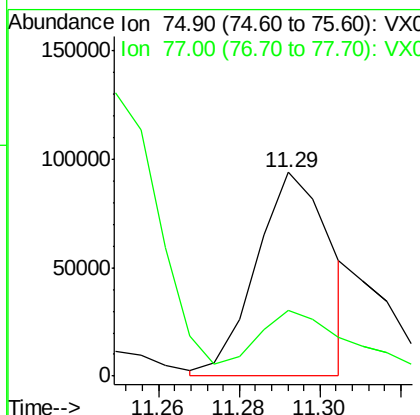
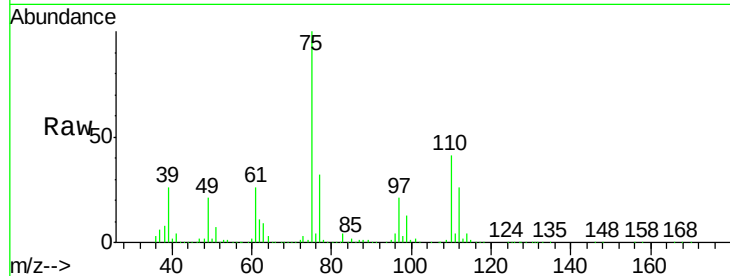
#76  
1,2,3-Trichloropropane  
Concen: 51.147 ug/l m  
RT: 11.29 min Scan# 1663  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

Instrument :  
MSVOA\_X  
ClientSampled :  
Z3-0668MS

Tot Ion: 75 Resp: 119561  
Ion Ratio Lower Upper  
75 100  
77 41.8 21.1 63.4

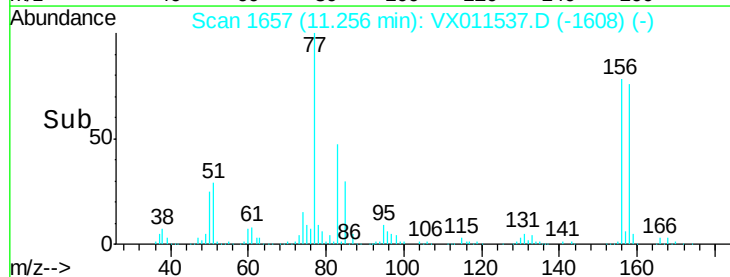
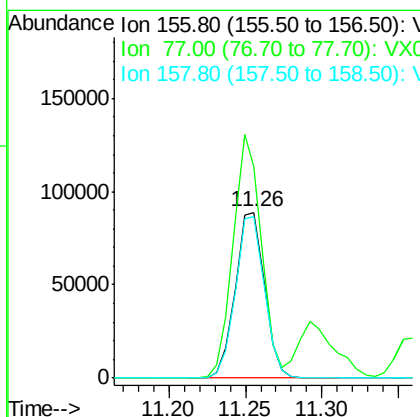
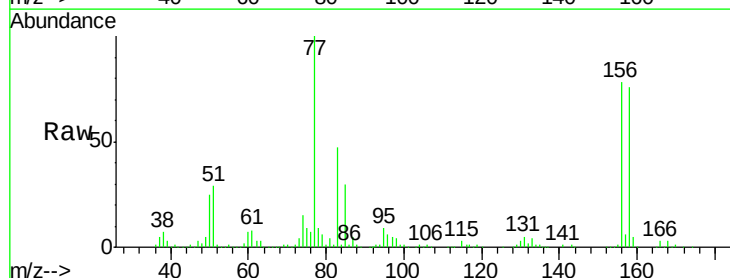
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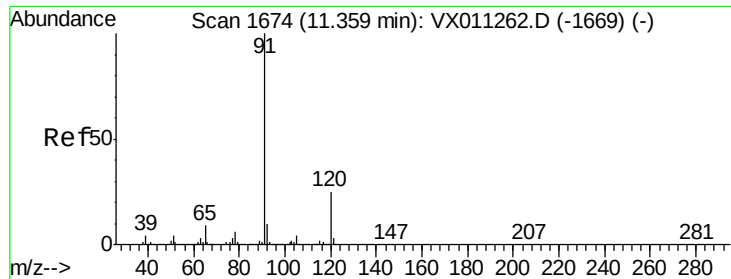
MMDadoda  
8/14/2019 11:32:00 AM



#77  
Bromobenzene  
Concen: 48.224 ug/l  
RT: 11.26 min Scan# 1657  
Delta R.T. 0.00 min  
Lab File: VX011537.D  
Acq: 13 Aug 2019 15:41

Tgt Ion: 156 Resp: 117394  
Ion Ratio Lower Upper  
156 100  
77 142.0 66.2 198.6  
158 97.2 49.1 147.3





#78

n-propylbenzene

Concen: 71.114 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0668MS

Tot Ion: 91 Resp: 694261

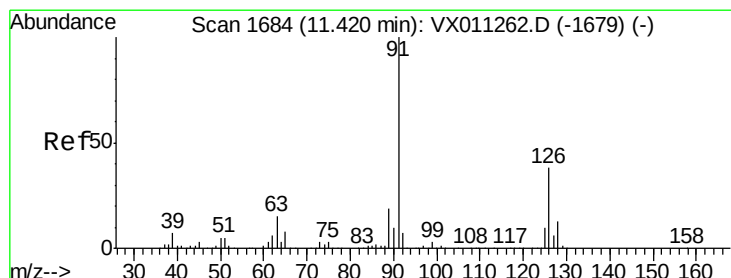
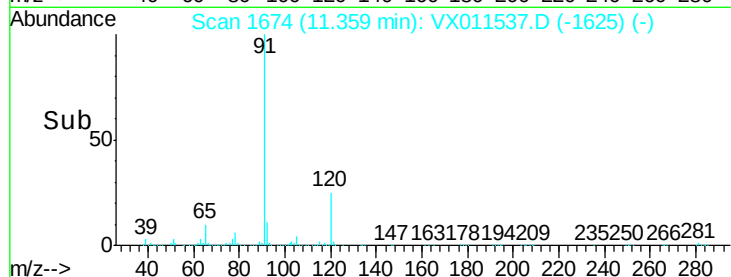
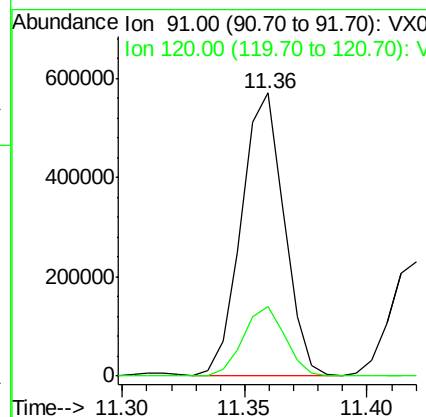
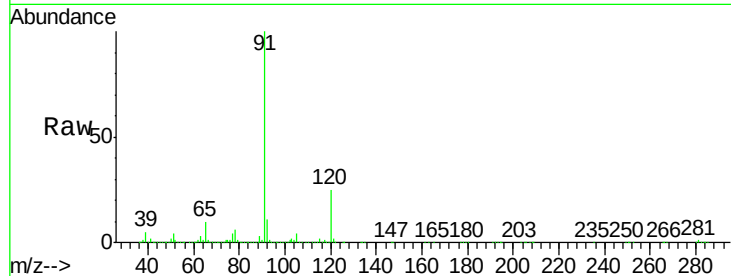
Ion Ratio Lower Upper

91 100

120 24.3 12.4 37.0

Manual Integrations  
APPROVED

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8/14/2019 11:32:00 AM



#79

2-Chlorotoluene

Concen: 50.340 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011537.D

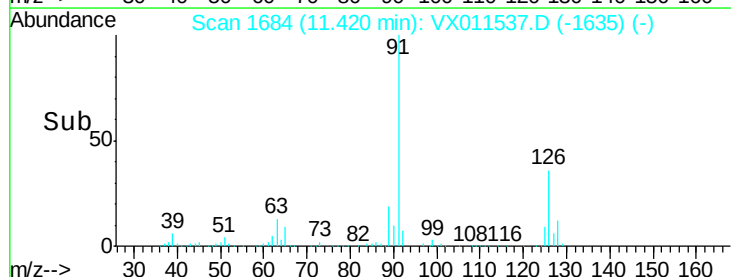
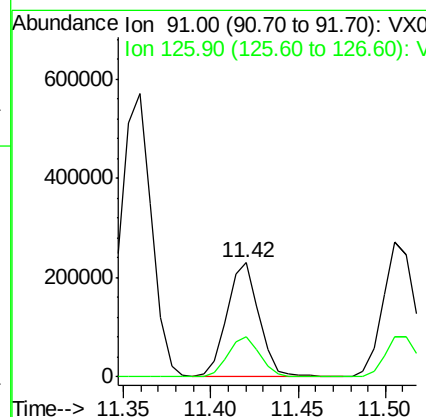
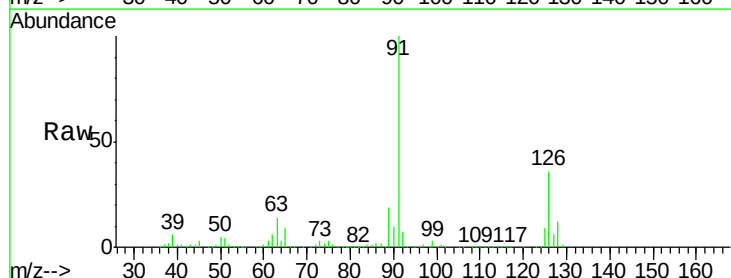
Acq: 13 Aug 2019 15:41

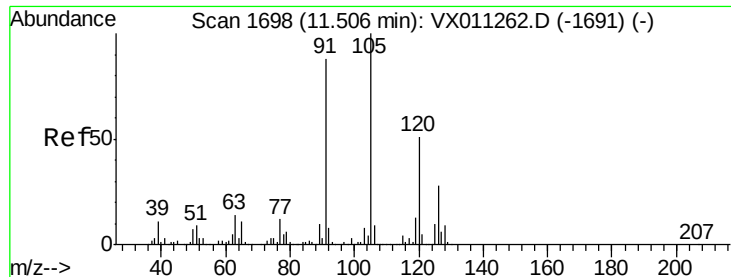
Tgt Ion: 91 Resp: 292920

Ion Ratio Lower Upper

91 100

126 35.2 18.5 55.5





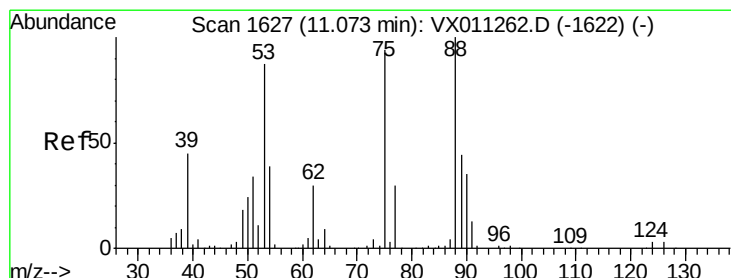
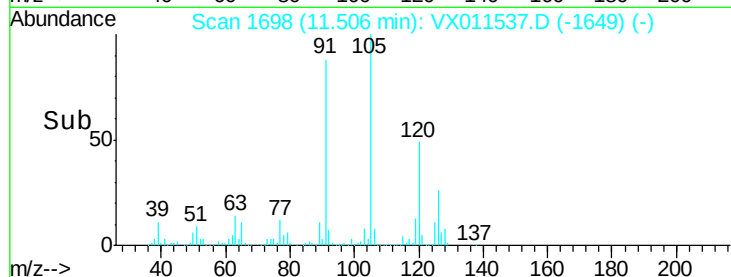
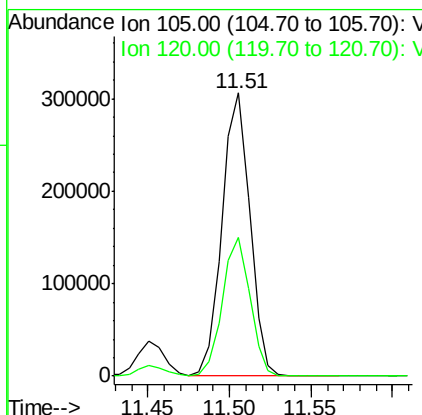
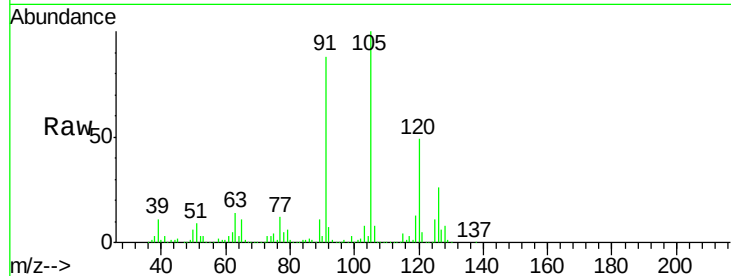
#80  
 1,3,5-Trimethylbenzene  
 Concen: 49.551 ug/l  
 RT: 11.51 min Scan# 1698  
 Delta R.T. 0.00 min  
 Lab File: VX011537.D  
 Acq: 13 Aug 2019 15:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0668MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 48.7  | 25.1  | 75.2  |

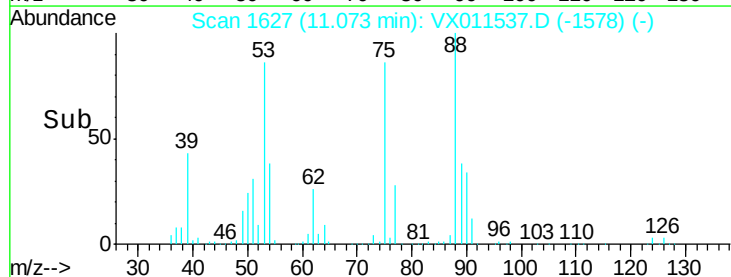
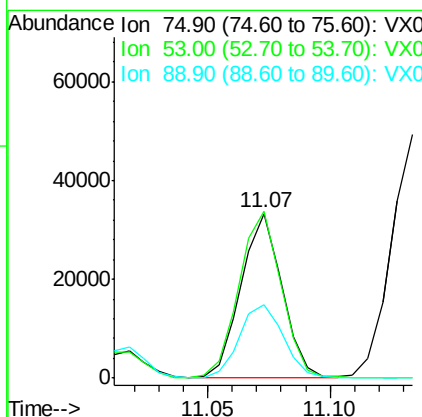
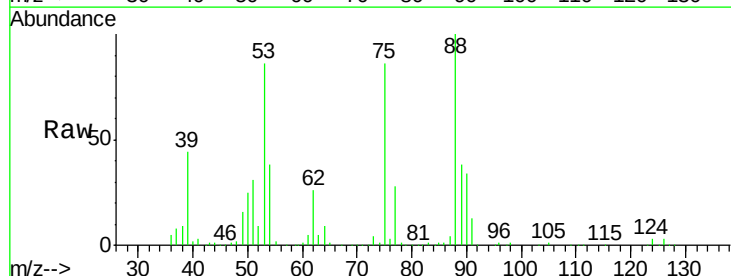
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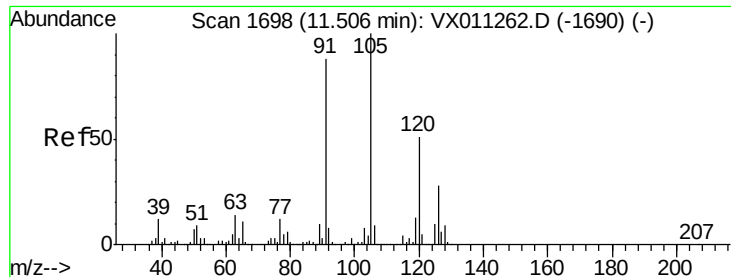
MMDadoda  
 8/14/2019 11:32:00 AM



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 45.007 ug/l  
 RT: 11.07 min Scan# 1627  
 Delta R.T. 0.00 min  
 Lab File: VX011537.D  
 Acq: 13 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 104.1 | 78.2  | 117.4 |
| 89      | 47.9  | 37.9  | 56.9  |





#82

4-Chlorotoluene

Concen: 50.214 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

Instrument :

MSVOA\_X

ClientSampled :

Z3-0668MS

Tot Ion: 91 Resp: 340518

Ion Ratio Lower Upper

91 100

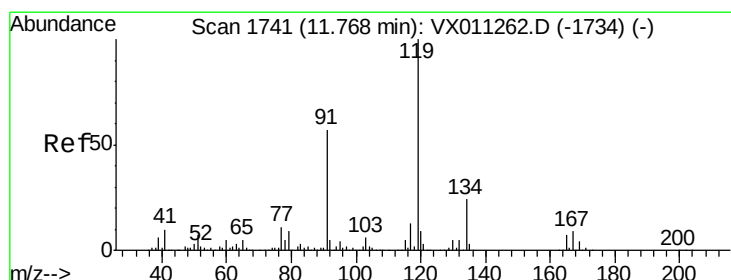
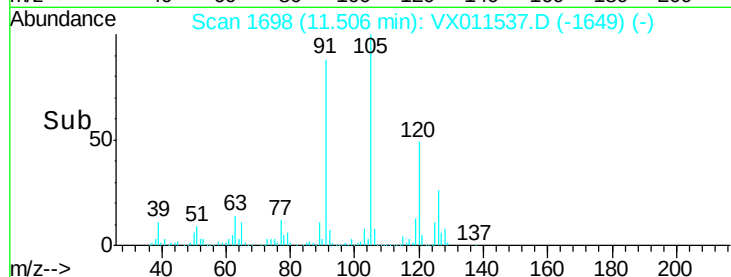
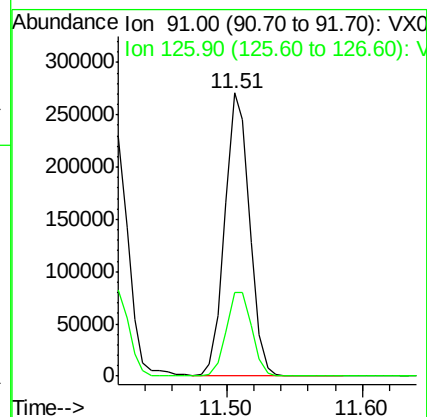
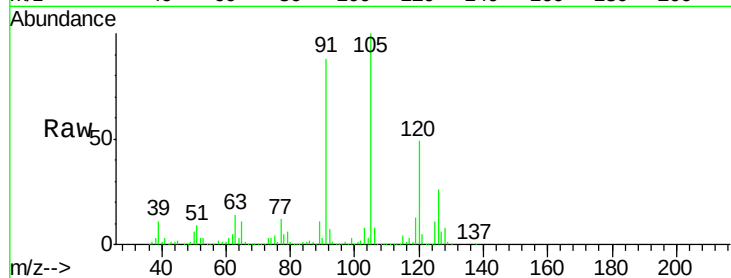
126 30.9 16.4 49.2

Manual Integrations

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#83

tert-Butylbenzene

Concen: 50.397 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

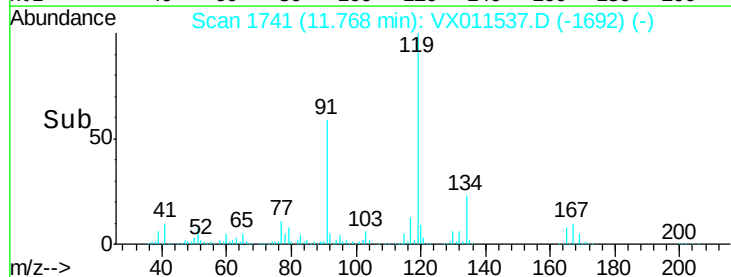
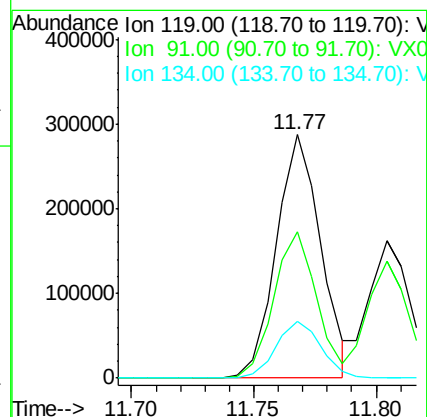
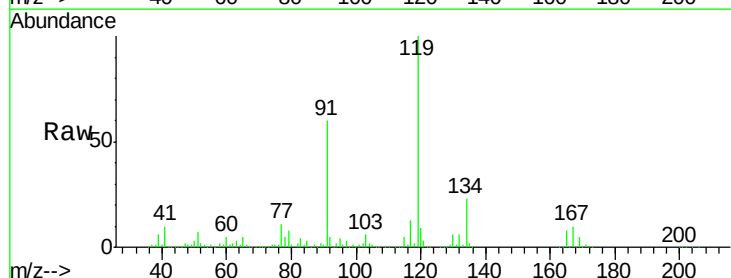
Tgt Ion: 119 Resp: 363240

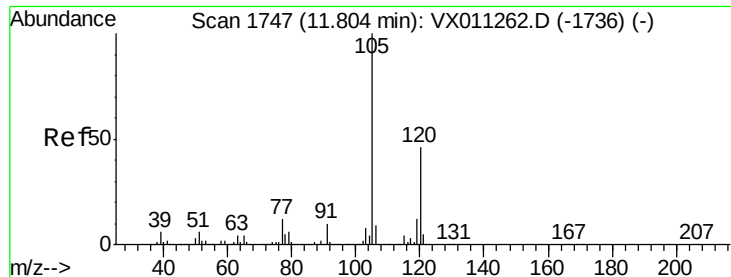
Ion Ratio Lower Upper

119 100

91 58.3 28.0 84.0

134 23.6 11.9 35.5





#84

1,2,4-Trimethylbenzene

Concen: 210.372 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0668MS

Tot Ion:105 Resp: 1539223

Ion Ratio Lower Upper

105 100

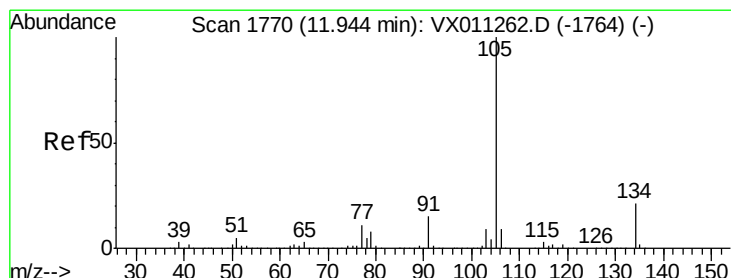
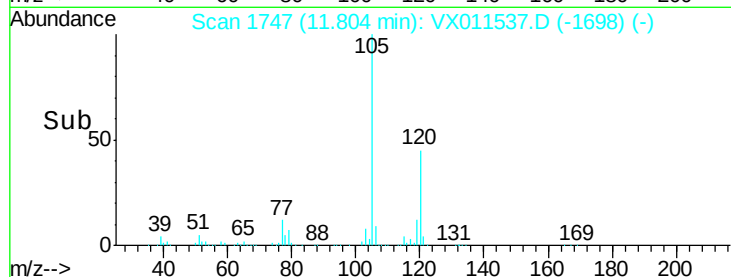
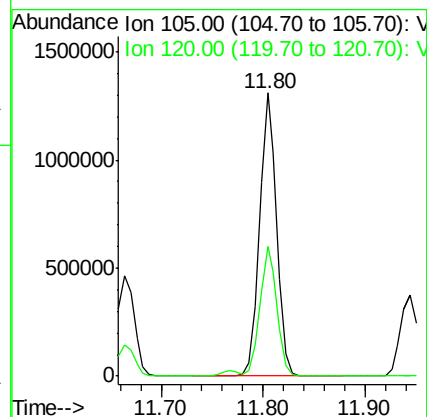
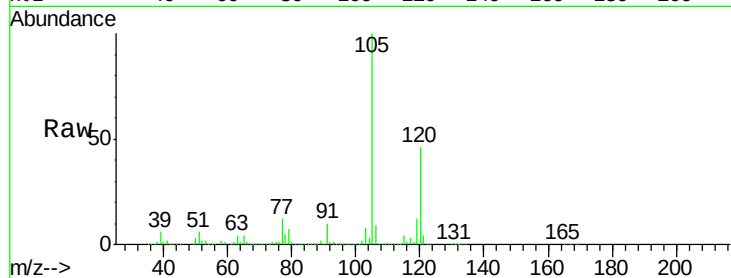
120 45.6 23.0 69.0

Manual Integrations

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#85

sec-Butylbenzene

Concen: 51.479 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011537.D

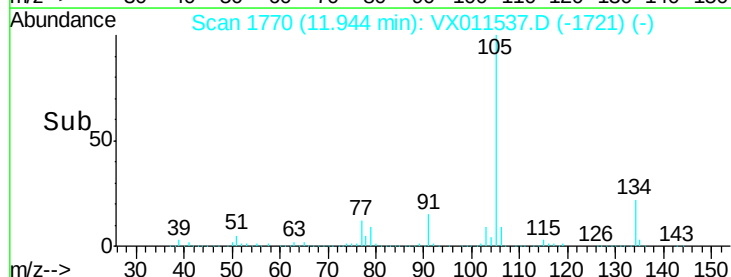
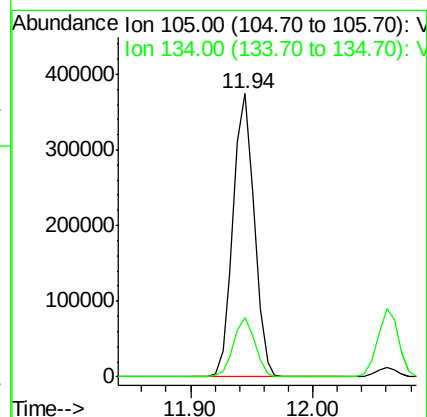
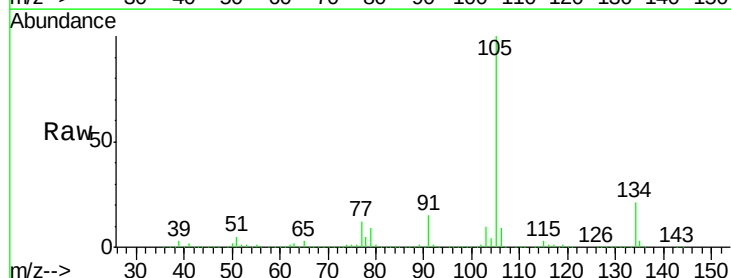
Acq: 13 Aug 2019 15:41

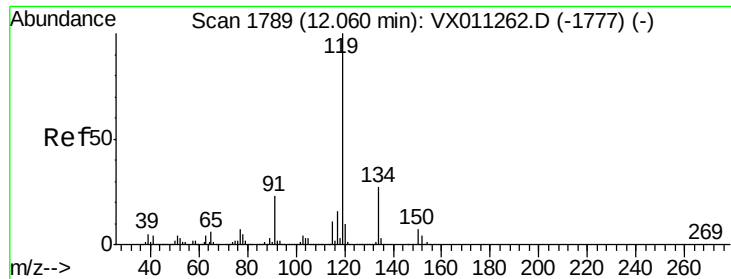
Tgt Ion:105 Resp: 445787

Ion Ratio Lower Upper

105 100

134 21.3 10.4 31.4





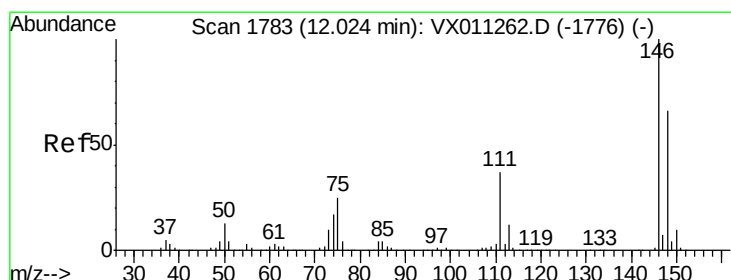
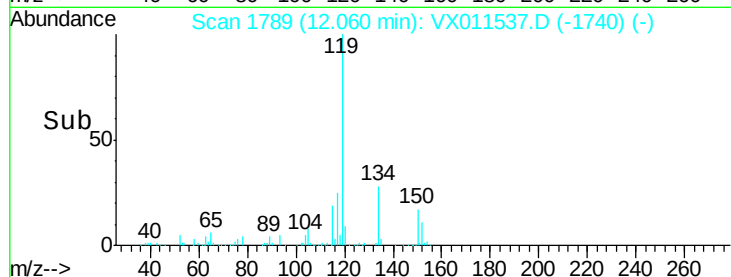
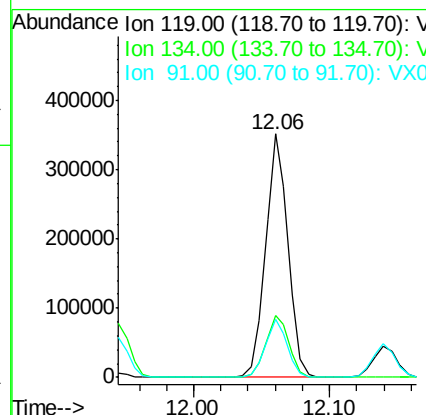
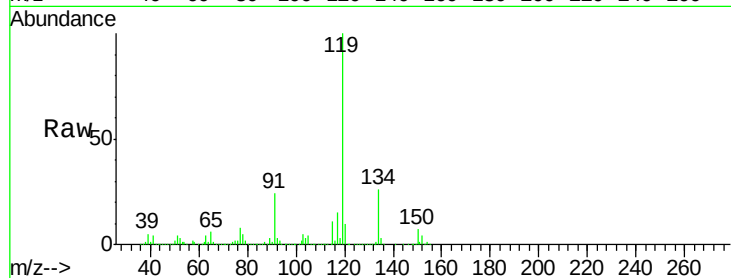
#86  
 p-Isopropyltoluene  
 Concen: 50.846 ug/l  
 RT: 12.06 min Scan# 1789  
 Delta R.T. 0.00 min  
 Lab File: VX011537.D  
 Acq: 13 Aug 2019 15:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0668MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 405068 |       |       |
| 134     | 26.4  |        | 13.7  | 41.0  |
| 91      | 23.5  |        | 11.4  | 34.2  |

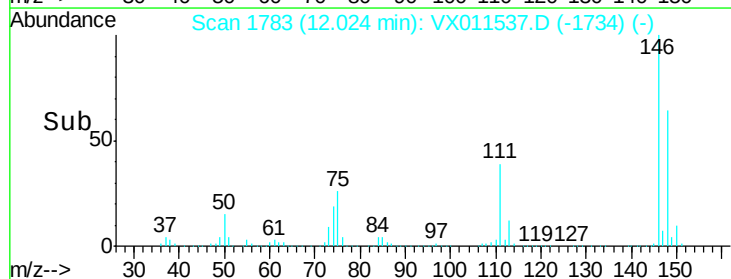
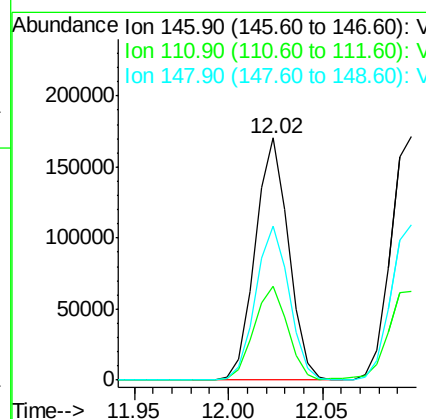
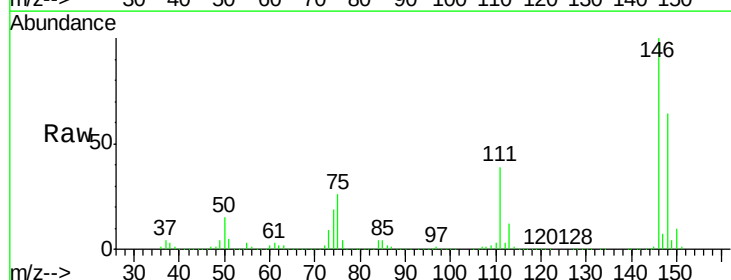
Manual Integrations  
 APPROVED

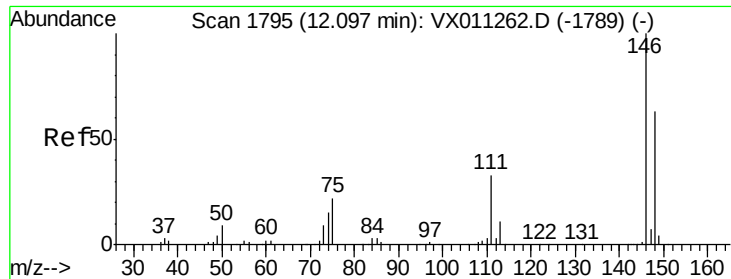
MMDadoda  
 8/14/2019 11:32:00 AM



#87  
 1,3-Dichlorobenzene  
 Concen: 48.488 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. 0.00 min  
 Lab File: VX011537.D  
 Acq: 13 Aug 2019 15:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 208557 |       |       |
| 111     | 39.2  |        | 18.6  | 55.8  |
| 148     | 64.2  |        | 32.5  | 97.5  |





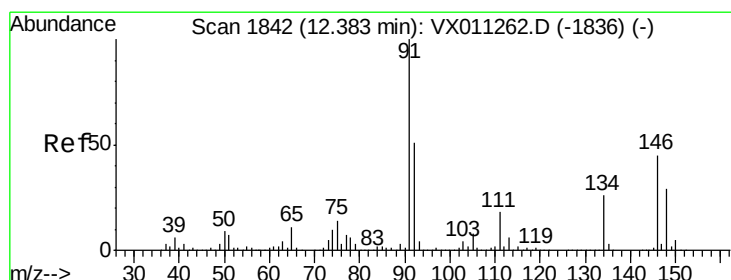
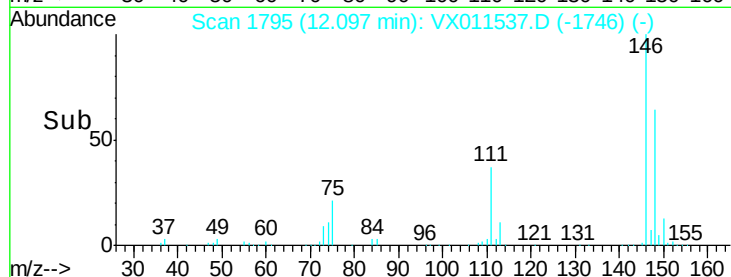
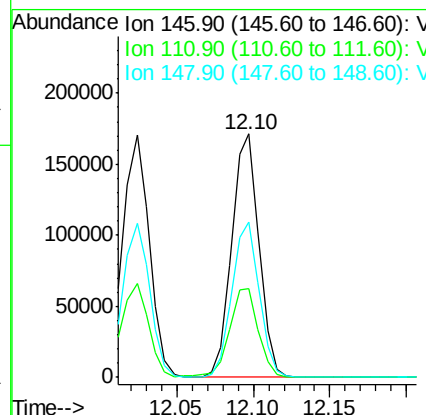
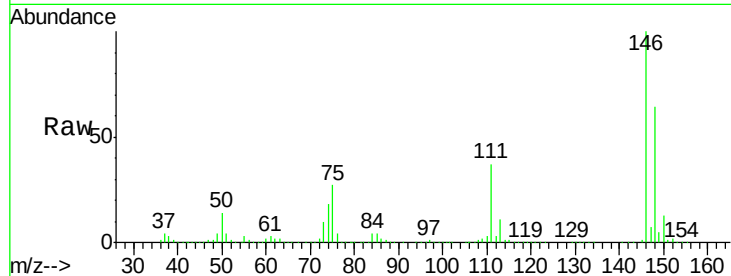
#88  
 1,4-Dichlorobenzene  
 Concen: 47.491 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. 0.00 min  
 Lab File: VX011537.D  
 Acq: 13 Aug 2019 15:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0668MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.4  | 17.8  | 53.4  |
| 148     | 64.3  | 31.8  | 95.3  |

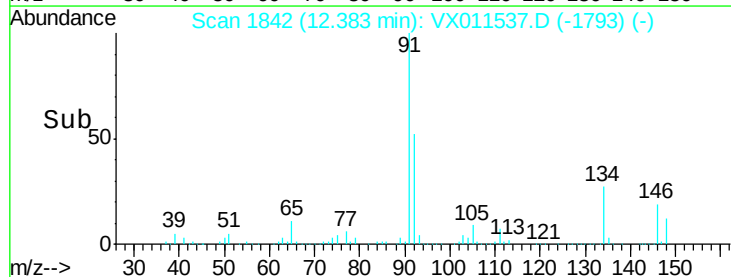
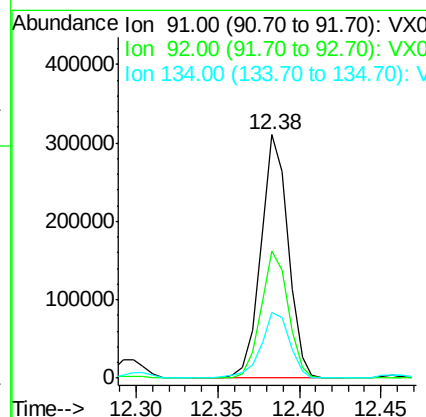
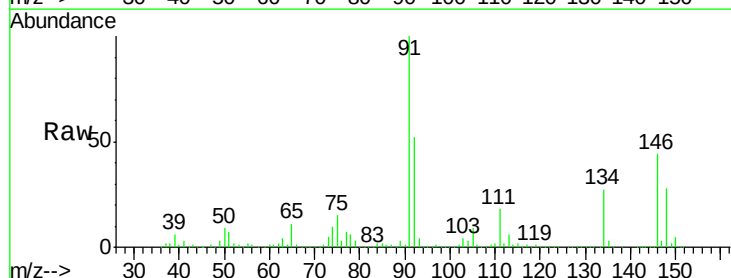
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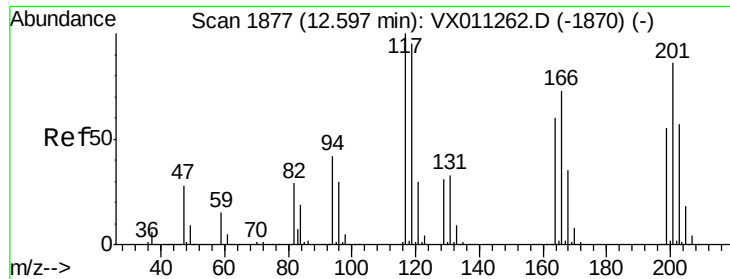


#89  
 n-Butylbenzene  
 Concen: 52.754 ug/l  
 RT: 12.38 min Scan# 1842  
 Delta R.T. 0.00 min  
 Lab File: VX011537.D  
 Acq: 13 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.1  | 25.8  | 77.3  |
| 134     | 28.8  | 13.7  | 41.0  |







#90

Hexachloroethane

Concen: 58.448 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0668MS

Tot Ion:117 Resp: 68840

Ion Ratio Lower Upper

117 100

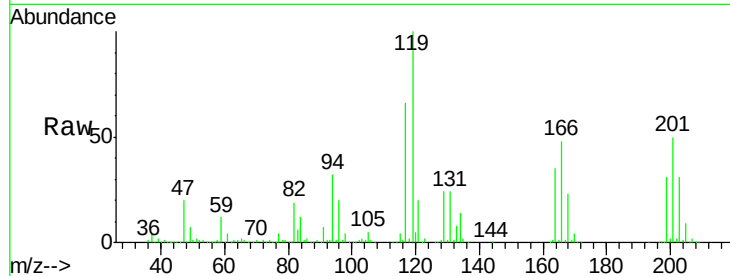
201 75.8 41.8 125.4

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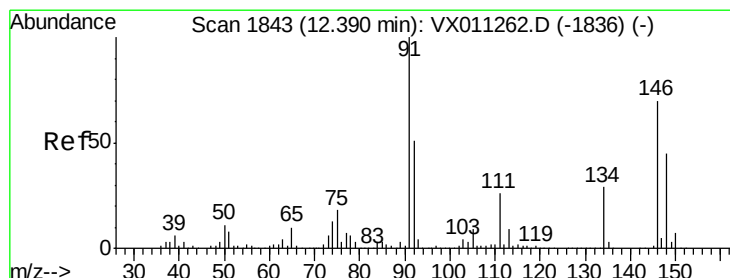
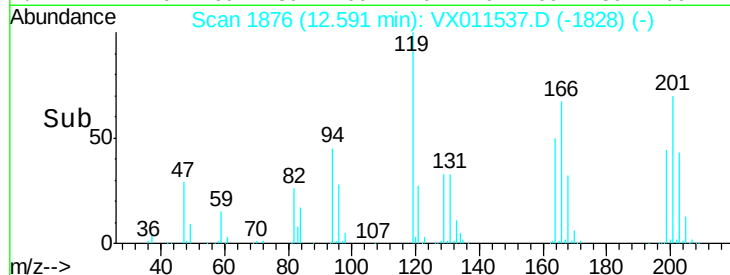
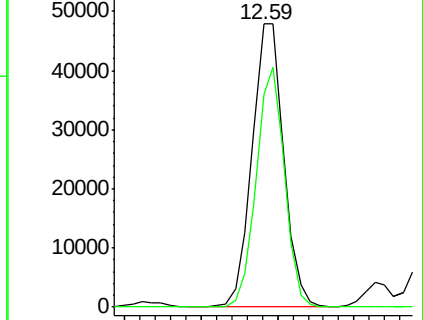
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 48.231 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

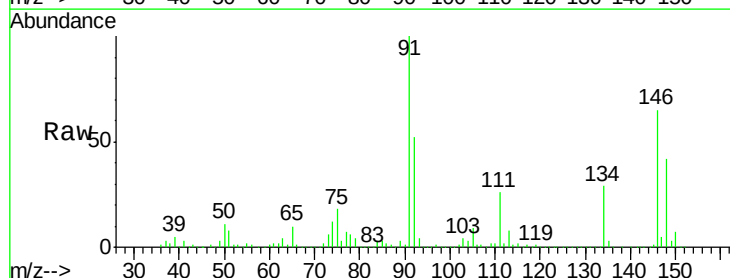
Tgt Ion:146 Resp: 208442

Ion Ratio Lower Upper

146 100

111 39.9 19.1 57.1

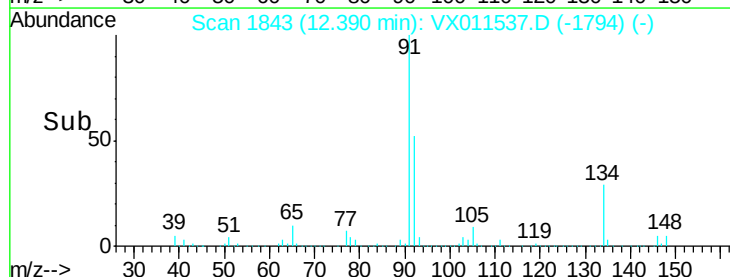
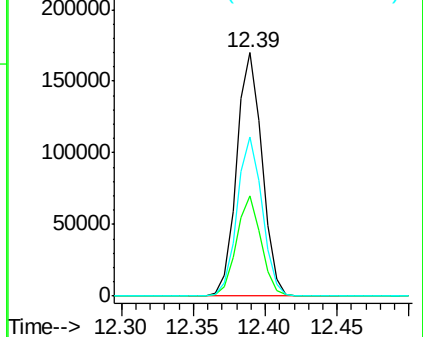
148 64.9 32.3 96.8

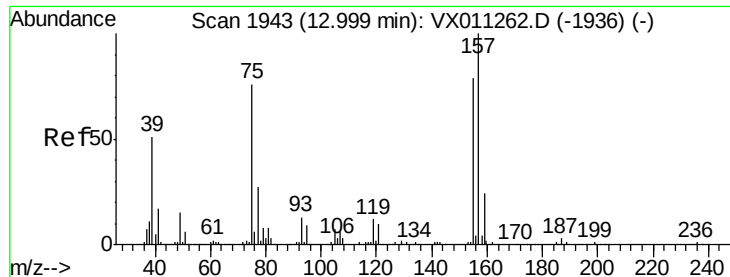


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





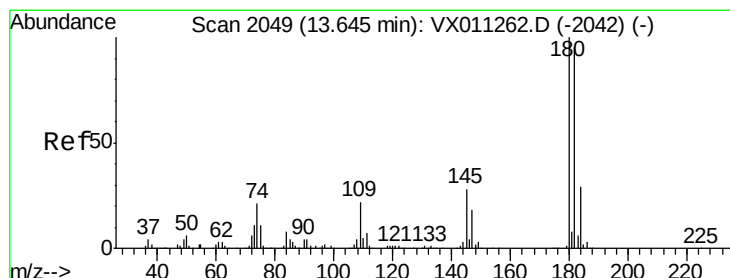
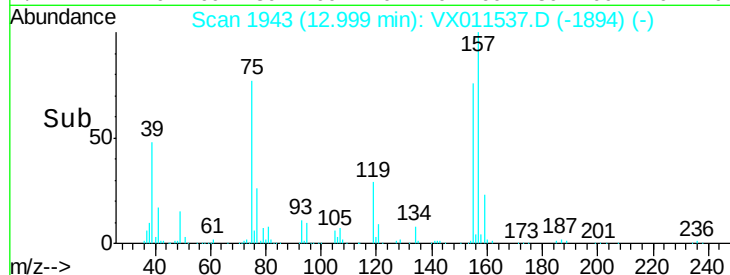
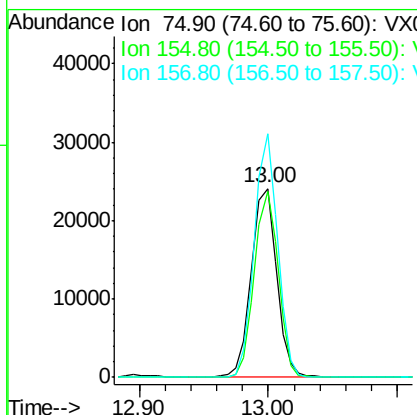
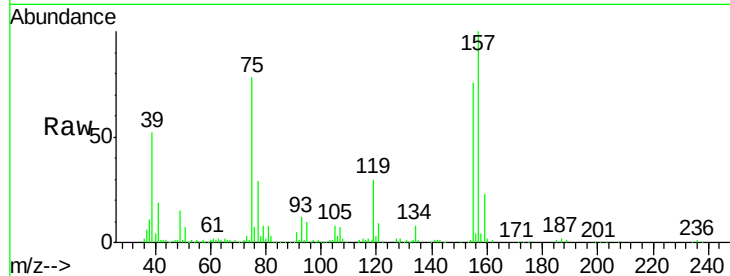
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 57.232 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VX011537.D  
 Acq: 13 Aug 2019 15:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0668MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 92.9  | 51.9  | 155.8 |
| 157     | 118.4 | 64.3  | 192.7 |

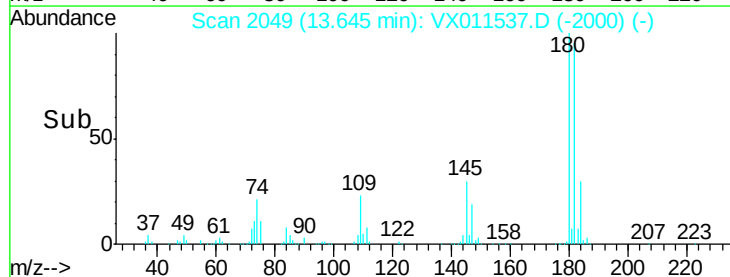
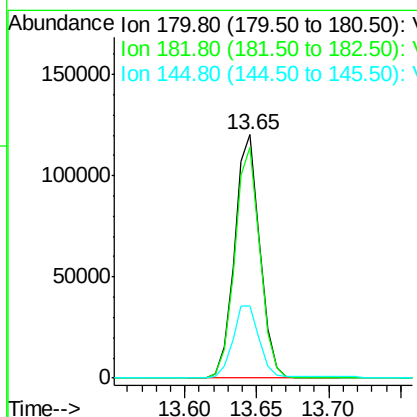
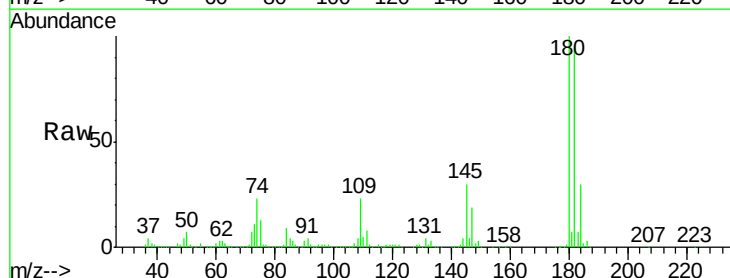
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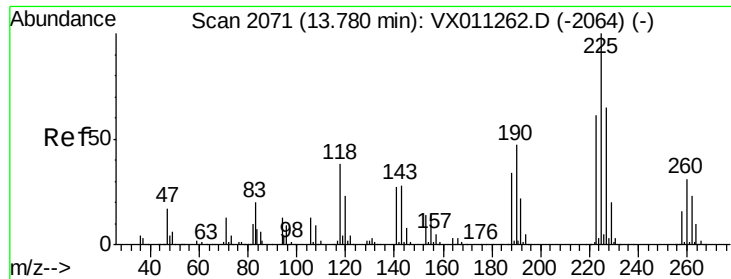
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#93  
 1,2,4-Trichlorobenzene  
 Concen: 50.993 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. 0.00 min  
 Lab File: VX011537.D  
 Acq: 13 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.0  | 47.8  | 143.4 |
| 145     | 31.8  | 14.8  | 44.3  |





#94

Hexachlorobutadiene

Concen: 48.240 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

Instrument :

MSVOA\_X

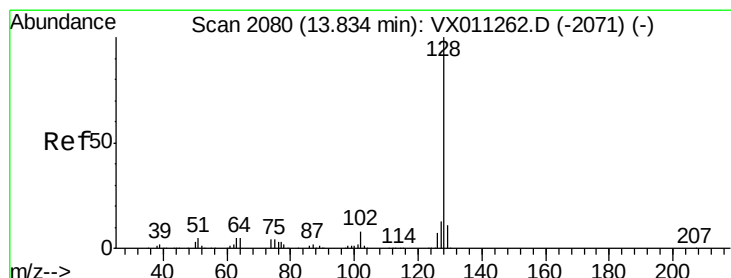
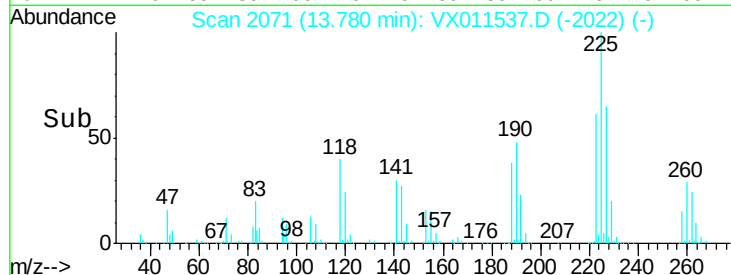
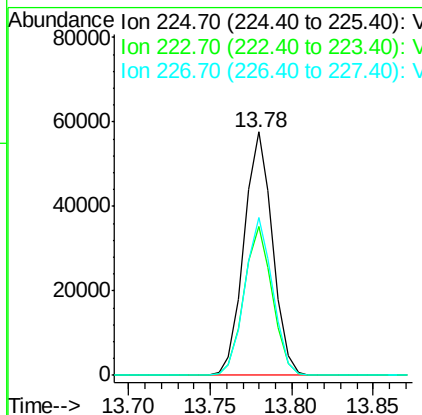
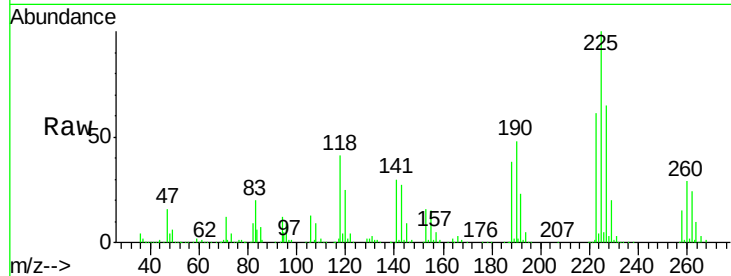
ClientSampleId :

Z3-0668MS

|           |      |       |       |
|-----------|------|-------|-------|
| Tot Ion:  | 225  | Resp: | 70147 |
| Ion Ratio |      | Lower | Upper |
| 225       | 100  |       |       |
| 223       | 60.6 | 31.0  | 93.0  |
| 227       | 63.5 | 32.2  | 96.6  |

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#95

Naphthalene

Concen: 123.207 ug/l

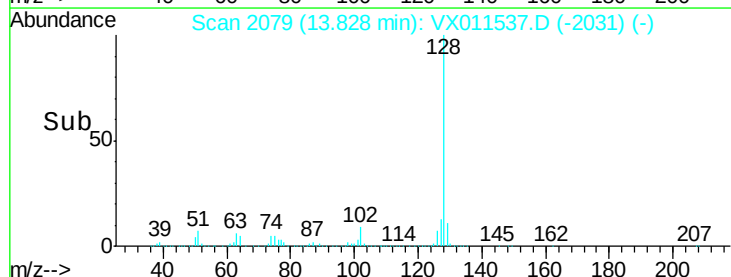
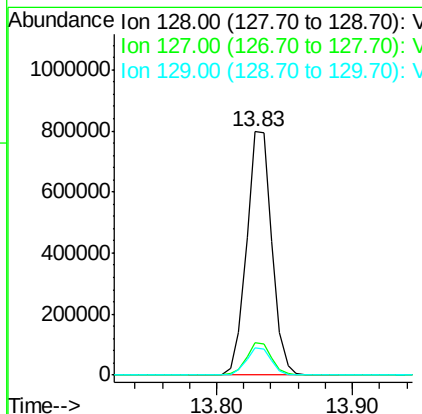
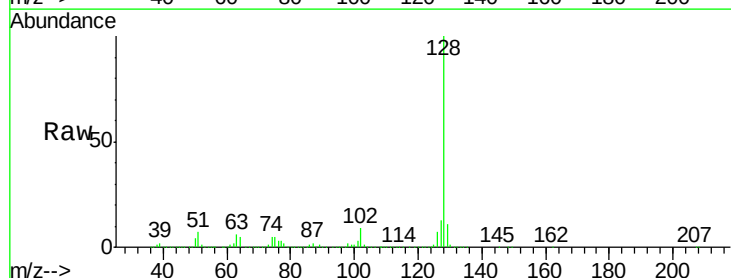
RT: 13.83 min Scan# 2079

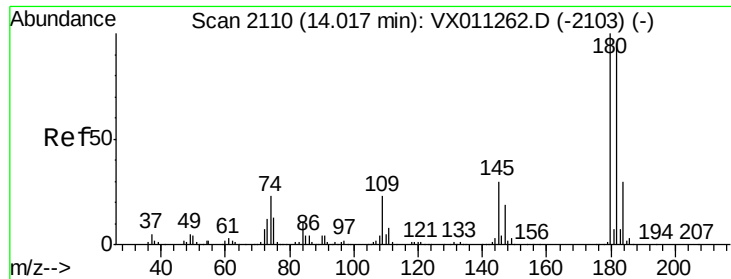
Delta R.T. -0.01 min

Lab File: VX011537.D

Acq: 13 Aug 2019 15:41

|           |      |       |         |
|-----------|------|-------|---------|
| Tgt Ion:  | 128  | Resp: | 1032672 |
| Ion Ratio |      | Lower | Upper   |
| 128       | 100  |       |         |
| 127       | 13.1 | 10.4  | 15.6    |
| 129       | 11.0 | 8.9   | 13.3    |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 50.608 ug/l  
 RT: 14.02 min Scan# 2110  
 Delta R.T. 0.00 min  
 Lab File: VX011537.D  
 Acq: 13 Aug 2019 15:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0668MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 147462 |       |       |
| 182     | 94.6  | 47.4   | 142.3 |       |
| 145     | 33.7  | 15.2   | 45.6  |       |

Manual Integrations  
 APPROVED

MMDadoda  
 8/14/2019 11:32:00 AM

