

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091319\  
 Data File : VX012398.D  
 Acq On : 13 Sep 2019 20:33  
 Operator : SY/SP  
 Sample : VSTDCCC050  
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/16/2019 1:13:10 AM

Quant Time: Sep 14 00:56:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091019S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 10 12:55:26 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 104165   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 181481   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 168539   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 88014    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.05   | 65  | 79335    | 53.87 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.74% |      |
| 35) Dibromofluoromethane  | 5.48   | 113 | 63256    | 54.37 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.74% |      |
| 50) Toluene-d8            | 8.71   | 98  | 236494   | 57.96 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 115.92% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 99015    | 52.34 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.68% |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 40916  | 48.044  | ug/l | 99     |
| 3) Chloromethane              | 1.31 | 50  | 42059  | 54.789  | ug/l | 96     |
| 4) Vinyl Chloride             | 1.40 | 62  | 40618  | 53.364  | ug/l | 98     |
| 5) Bromomethane               | 1.62 | 94  | 21551  | 71.886  | ug/l | 98     |
| 6) Chloroethane               | 1.71 | 64  | 27976  | 54.965  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 73663  | 53.474  | ug/l | 97     |
| 8) Diethyl Ether              | 2.18 | 74  | 27561  | 58.633  | ug/l | 94     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 51371  | 55.331  | ug/l | 98     |
| 10) Methyl Iodide             | 2.50 | 142 | 30412  | 34.417  | ug/l | 99     |
| 11) Tert butyl alcohol        | 3.03 | 59  | 43009  | 275.996 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 45089  | 57.204  | ug/l | 97     |
| 13) Acrolein                  | 2.28 | 56  | 23045  | 299.347 | ug/l | 99     |
| 14) Allyl chloride            | 2.72 | 41  | 86538  | 53.851  | ug/l | 99     |
| 15) Acrylonitrile             | 3.13 | 53  | 92979  | 319.988 | ug/l | 98     |
| 16) Acetone                   | 2.43 | 43  | 88692  | 254.402 | ug/l | 95     |
| 17) Carbon Disulfide          | 2.56 | 76  | 83536  | 50.469  | ug/l | 99     |
| 18) Methyl Acetate            | 2.76 | 43  | 46640  | 63.649  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 3.18 | 73  | 184011 | 59.116  | ug/l | 99     |
| 20) Methylene Chloride        | 2.84 | 84  | 62914  | 58.279  | ug/l | 95     |
| 21) trans-1,2-Dichloroethene  | 3.15 | 96  | 52372  | 55.692  | ug/l | 98     |
| 22) Diisopropyl ether         | 3.84 | 45  | 210719 | 57.336  | ug/l | # 89   |
| 23) Vinyl Acetate             | 3.80 | 43  | 650555 | 288.513 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 113553 | 57.683  | ug/l | 100    |
| 25) 2-Butanone                | 4.65 | 43  | 130267 | 292.294 | ug/l | 97     |
| 26) 2,2-Dichloropropane       | 4.57 | 77  | 90129  | 48.766  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.58 | 96  | 70100  | 57.739  | ug/l | 95     |
| 28) Bromochloromethane        | 5.00 | 49  | 54118  | 58.616  | ug/l | 100    |
| 29) Tetrahydrofuran           | 5.12 | 42  | 77625  | 322.820 | ug/l | 100    |
| 30) Chloroform                | 5.20 | 83  | 125069 | 56.341  | ug/l | 98     |
| 31) Cyclohexane               | 5.56 | 56  | 71878  | 52.563  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97  | 103536 | 54.318  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 71233  | 53.830  | ug/l | 97     |
| 37) Ethyl Acetate             | 4.82 | 43  | 52664  | 64.380  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 84337  | 54.321  | ug/l | 97     |

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 Operator : SY/SP  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA X/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/16/2019 1:13:10 AM

Quant Time: Sep 14 00:56:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091019S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 10 12:55:26 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 78382    | 53.974   | ug/l   | 94       |
| 40) Benzene                    | 6.13  | 78   | 233780   | 58.371   | ug/l   | 98       |
| 41) Methacrylonitrile          | 5.03  | 41   | 32758    | 64.958   | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 92010    | 58.126   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.43  | 43   | 104874   | 60.810   | ug/l   | 100      |
| 44) Trichloroethene            | 7.20  | 130  | 64251    | 59.278   | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 65199    | 58.812   | ug/l   | 98       |
| 46) Dibromomethane             | 7.65  | 93   | 37268    | 61.510   | ug/l   | 97       |
| 47) Bromodichloromethane       | 7.89  | 83   | 95308    | 57.642   | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.76  | 41   | 50441    | 61.103   | ug/l   | 99       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 14493    | 1301.077 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 292905   | 321.797  | ug/l   | 100      |
| 52) Toluene                    | 8.78  | 92   | 155185   | 58.662   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 90782    | 55.009   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 102271   | 55.886   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 58832    | 62.675   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 77787    | 61.204   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 95731    | 59.712   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 185233   | 284.363  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.48  | 43   | 203661   | 321.800  | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.57  | 129  | 64827    | 59.158   | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 54698    | 62.600   | ug/l   | 98       |
| 64) Tetrachloroethene          | 9.33  | 164  | 57742    | 64.781   | ug/l   | 96       |
| 65) Chlorobenzene              | 10.14 | 112  | 182283   | 59.192   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 69249    | 59.652   | ug/l   | 98       |
| 67) Ethyl Benzene              | 10.25 | 91   | 317542   | 57.976   | ug/l   | 98       |
| 68) m/p-Xylenes                | 10.36 | 106  | 235676   | 116.891  | ug/l   | 100      |
| 69) o-Xylene                   | 10.70 | 106  | 115648   | 58.553   | ug/l   | 99       |
| 70) Styrene                    | 10.71 | 104  | 209917   | 59.928   | ug/l   | 99       |
| 71) Bromoform                  | 10.85 | 173  | 35900    | 59.637   | ug/l # | 98       |
| 73) Isopropylbenzene           | 11.01 | 105  | 322470   | 55.654   | ug/l   | 100      |
| 74) N-amyl acetate             | 10.89 | 43   | 96887    | 56.238   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 76438    | 61.426   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 66639m   | 58.938   | ug/l   |          |
| 77) Bromobenzene               | 11.25 | 156  | 77186    | 57.859   | ug/l   | 96       |
| 78) n-propylbenzene            | 11.35 | 91   | 383609   | 54.824   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 235901   | 54.417   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 292929   | 56.217   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 19253    | 51.020   | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 289542   | 55.576   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 281020   | 55.542   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 301152   | 55.908   | ug/l   | 98       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 333616   | 55.261   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 318253   | 57.054   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 158142   | 58.194   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 158253   | 57.591   | ug/l   | 100      |
| 89) n-Butylbenzene             | 12.39 | 91   | 302746   | 55.374   | ug/l   | 99       |
| 90) Hexachloroethane           | 12.59 | 117  | 54563    | 53.105   | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 149664   | 59.537   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 14641    | 57.641   | ug/l   | 91       |

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Acq On : 13 Sep 2019 20:33  
Operator : SY/SP  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA X/SOIL  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

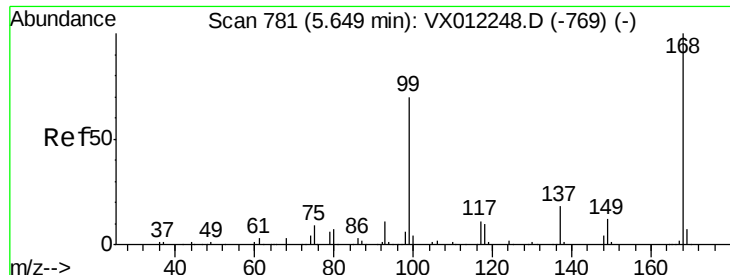
MMDadoda  
9/16/2019 1:13:10 AM

Quant Time: Sep 14 00:56:47 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091019S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 10 12:55:26 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180  | 111208   | 64.060 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 56642    | 65.586 | ug/l  | 98       |
| 95) Naphthalene            | 13.83 | 128  | 245642   | 65.936 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 100887   | 65.682 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 104165

Ion Ratio Lower Upper

168 100

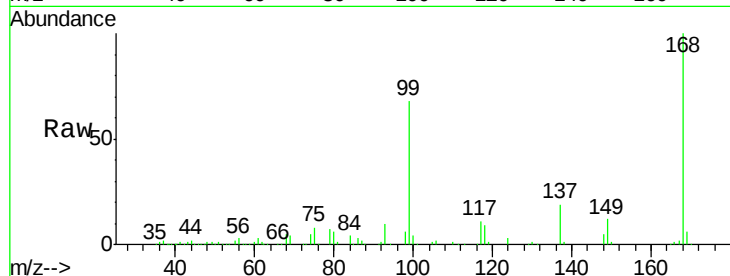
99 67.7 55.8 83.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

40000

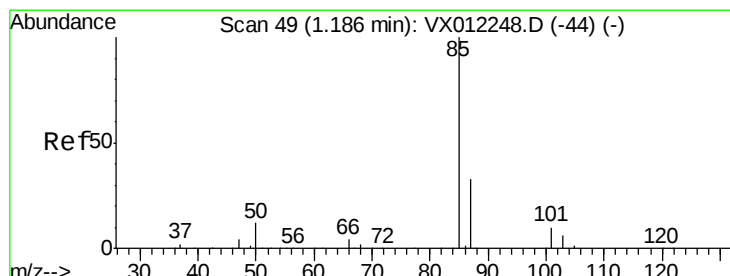
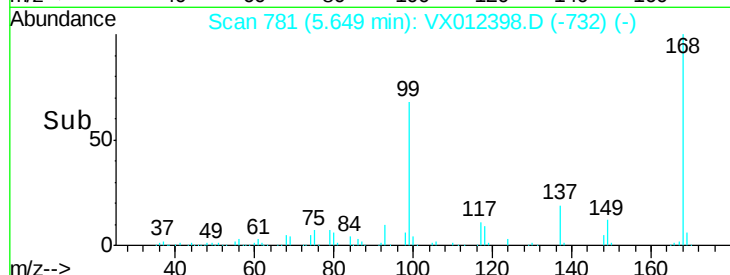
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.044 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012398.D

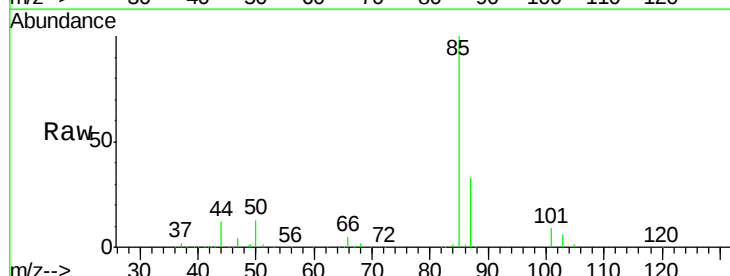
Acq: 13 Sep 2019 20:33

Tgt Ion: 85 Resp: 40916

Ion Ratio Lower Upper

85 100

87 33.0 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

40000

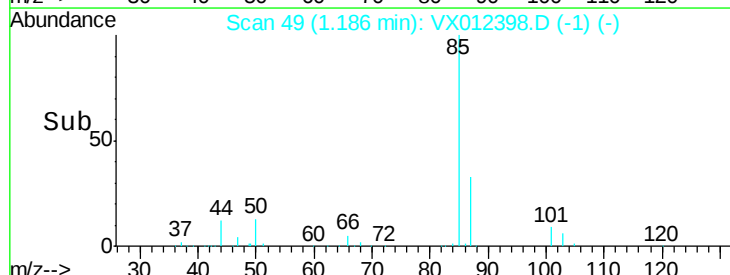
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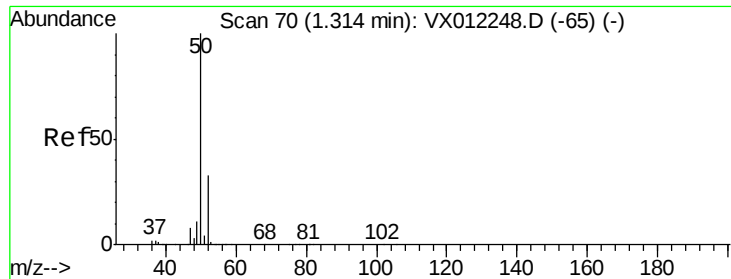
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10000

0

Time-->





#3

Chloromethane

Concen: 54.789 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 42059

Ion Ratio Lower Upper

50 100

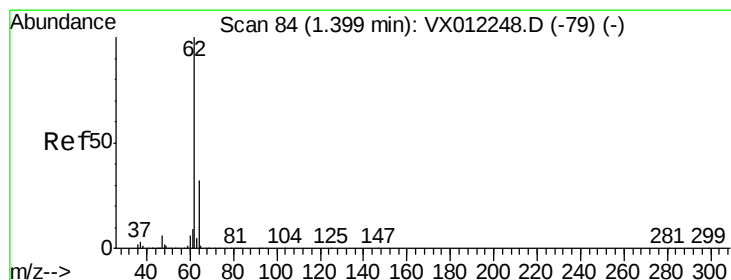
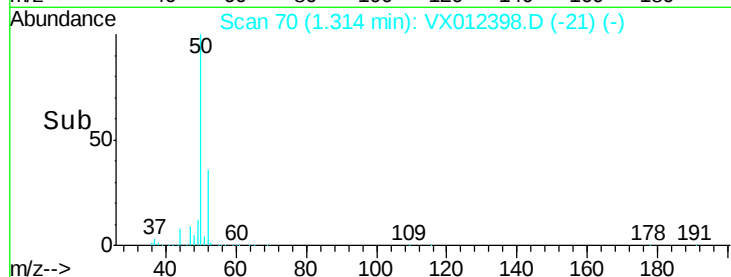
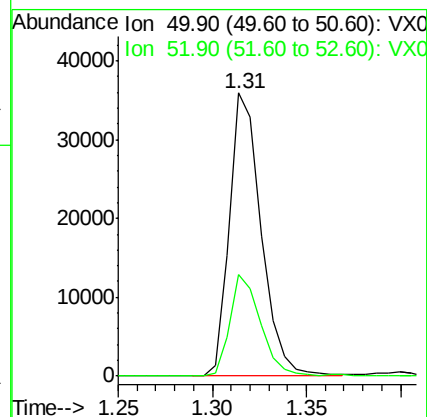
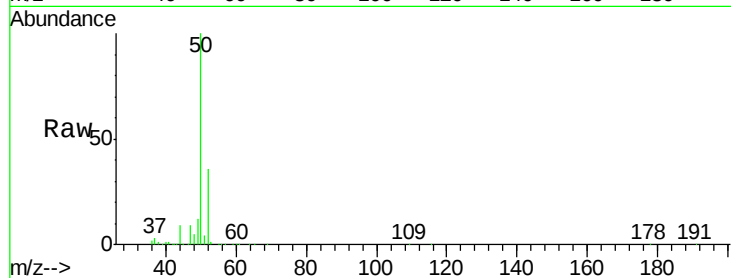
52 35.6 26.7 40.1

Manual Integrations

APPROVED

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9/16/2019 1:13:10 AM



#4

Vinyl Chloride

Concen: 53.364 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012398.D

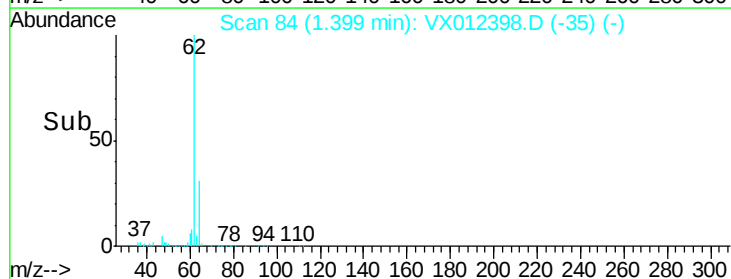
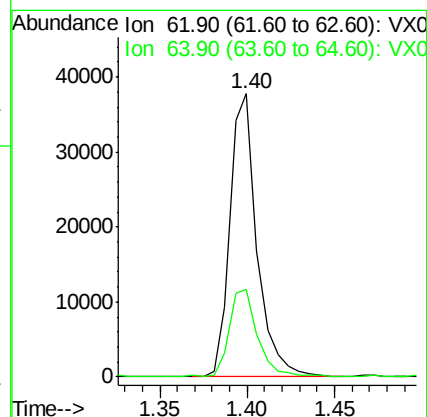
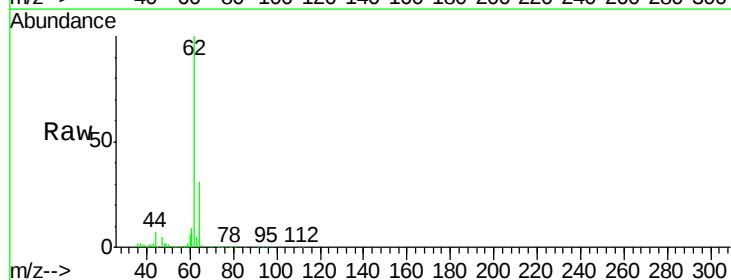
Acq: 13 Sep 2019 20:33

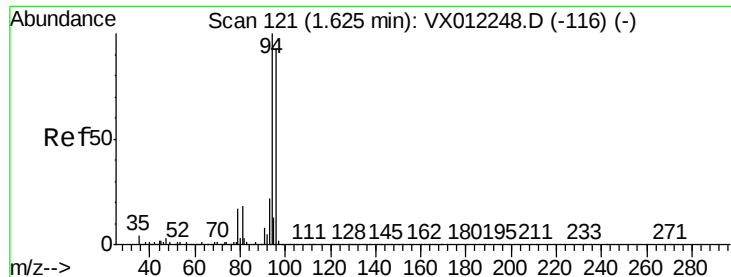
Tgt Ion: 62 Resp: 40618

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3





#5

Bromomethane

Concen: 71.886 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 21551

Ion Ratio Lower Upper

94 100

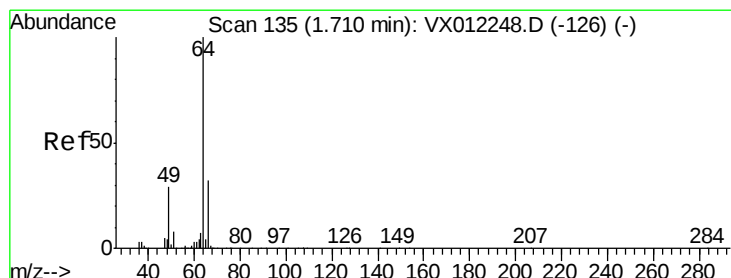
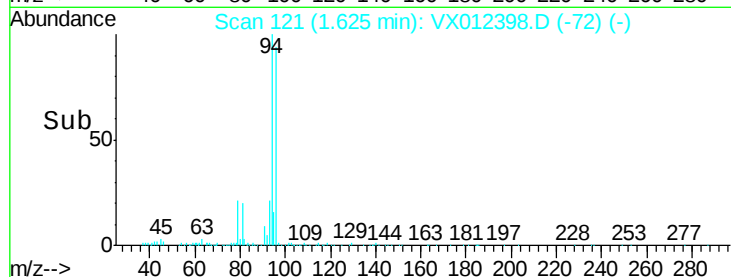
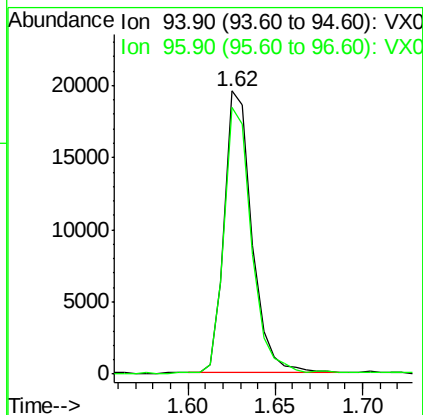
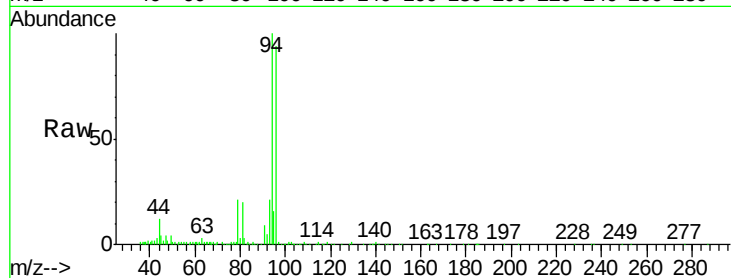
96 94.0 74.0 111.0

Manual Integrations

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9/16/2019 1:13:10 AM



#6

Chloroethane

Concen: 54.965 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012398.D

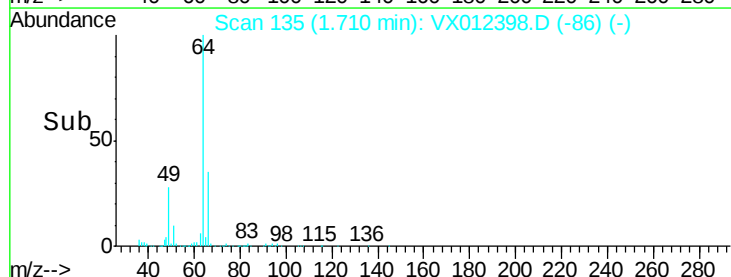
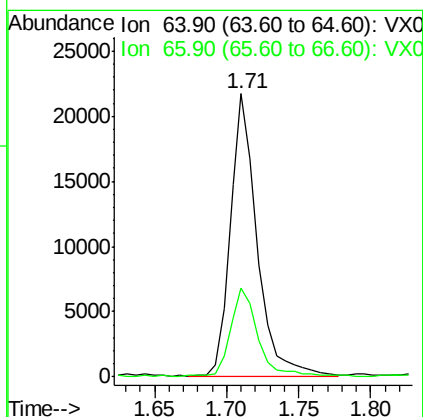
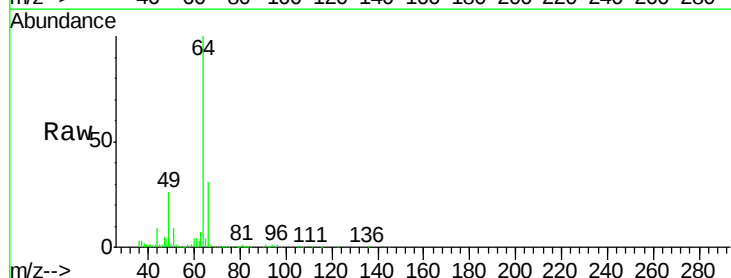
Acq: 13 Sep 2019 20:33

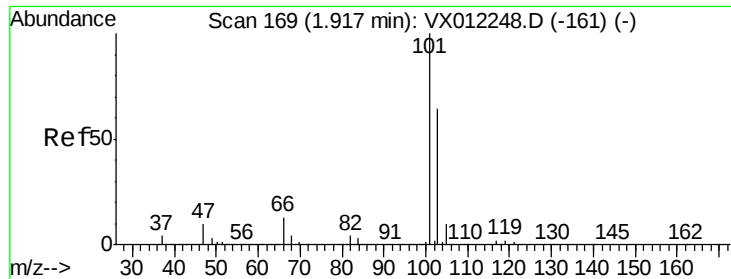
Tgt Ion: 64 Resp: 27976

Ion Ratio Lower Upper

64 100

66 30.9 25.8 38.6





#7

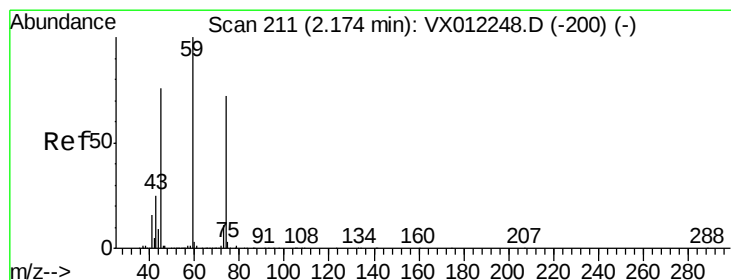
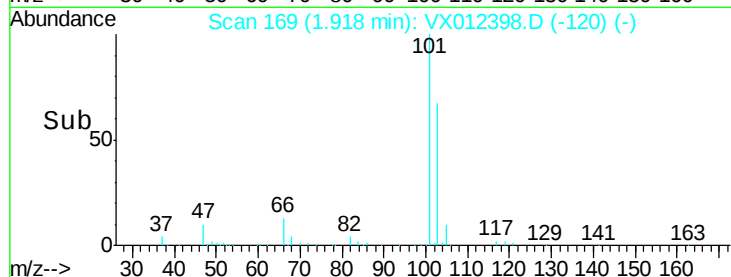
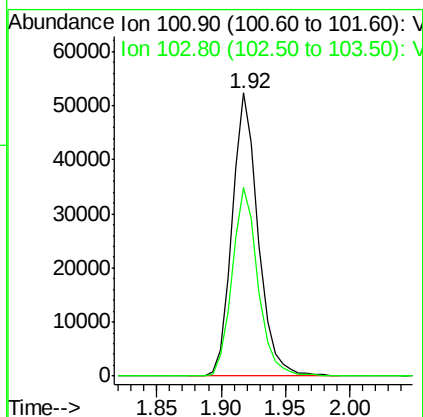
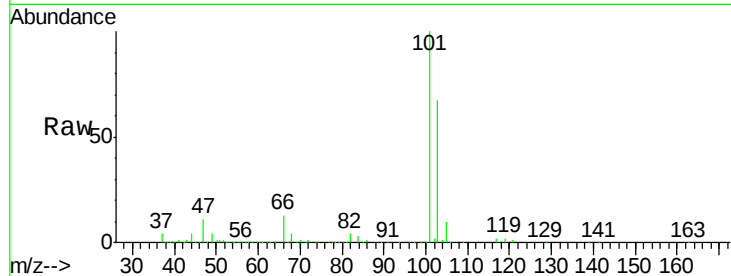
Trichlorofluoromethane  
Concen: 53.474 ug/l  
RT: 1.92 min Scan# 169  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 101     | 100  |       | 73663 |       |       |
| 103     | 66.5 | 51.4  | 77.2  |       |       |

Manual Integrations  
APPROVED

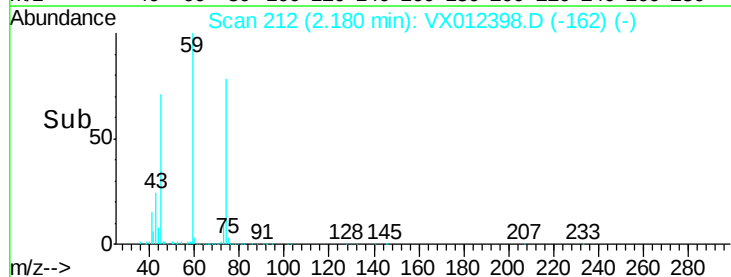
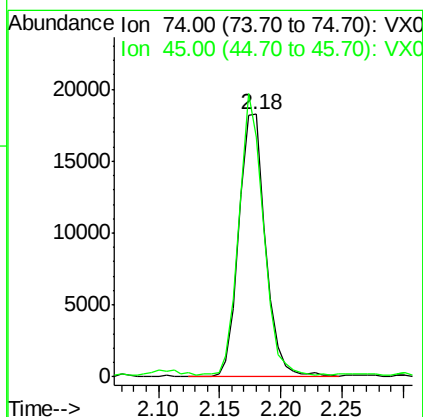
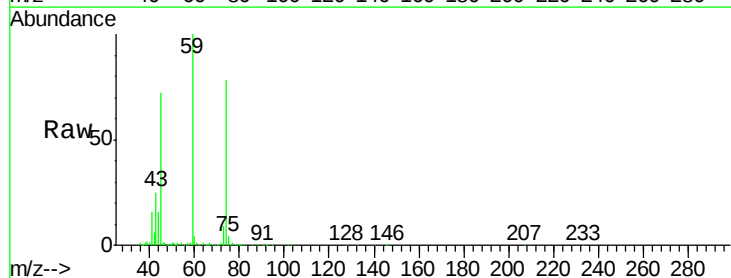
MMDadoda  
9/16/2019 1:13:10 AM

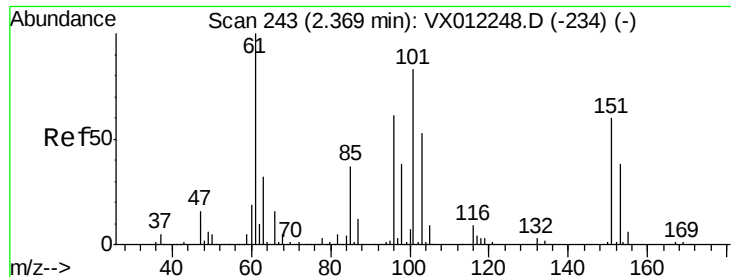


#8

Diethyl Ether  
Concen: 58.633 ug/l  
RT: 2.18 min Scan# 212  
Delta R.T. 0.01 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 74      | 100  |       | 27561 |       |       |
| 45      | 96.6 | 51.3  | 153.9 |       |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.331 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA\_X

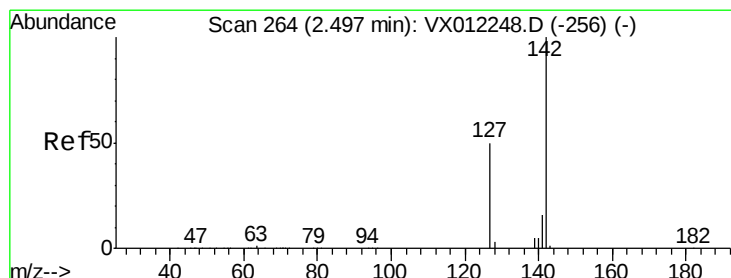
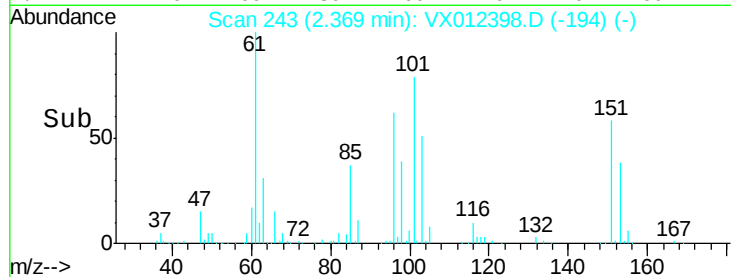
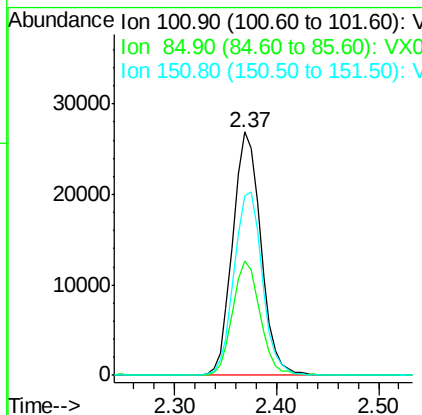
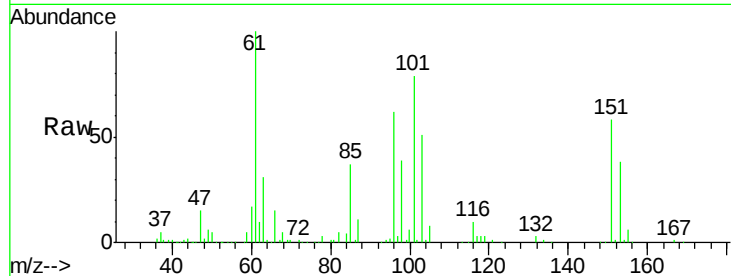
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 51371 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.9  | 37.0  | 55.6  |
| 151       | 75.6  | 58.6  | 87.8  |

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MMDadoda  
9/16/2019 1:13:10 AM



#10

Methyl Iodide

Concen: 34.417 ug/l

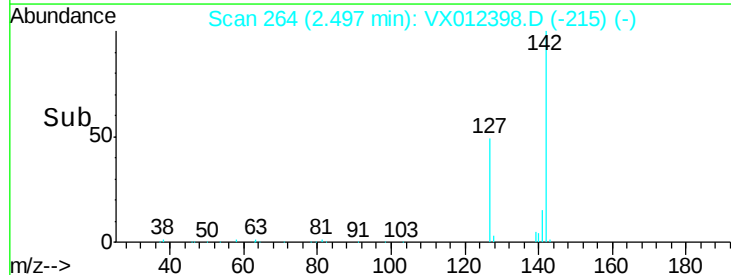
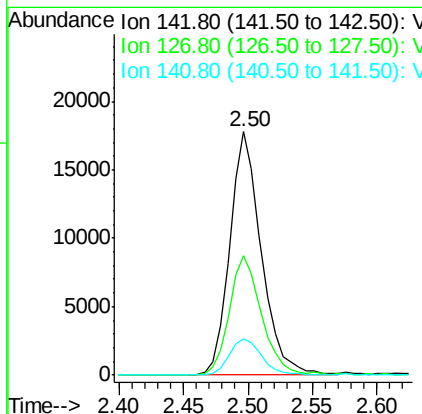
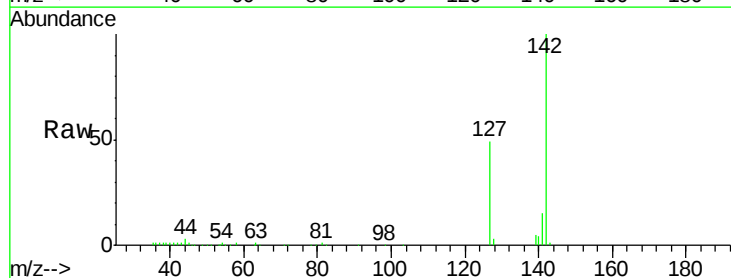
RT: 2.50 min Scan# 264

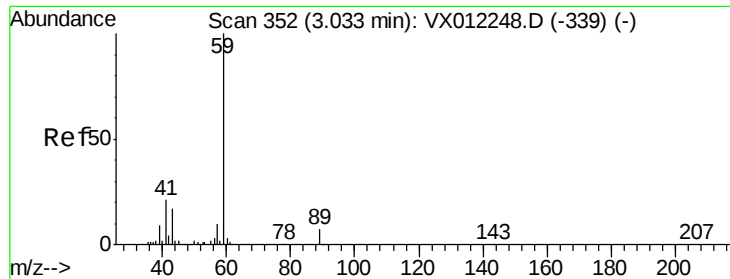
Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 30412 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 50.0  | 40.6  | 61.0  |
| 141       | 15.3  | 12.0  | 18.0  |





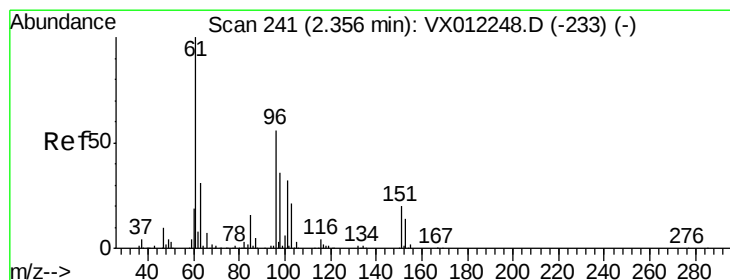
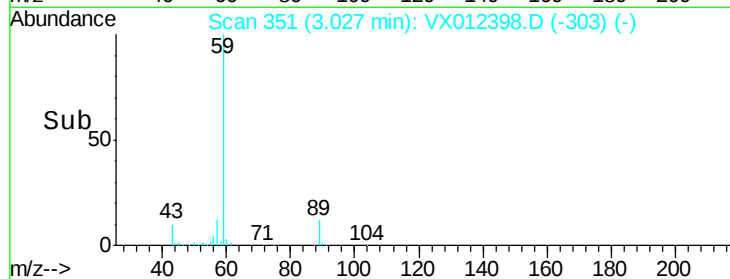
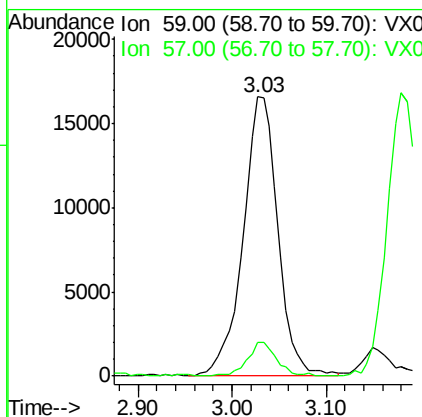
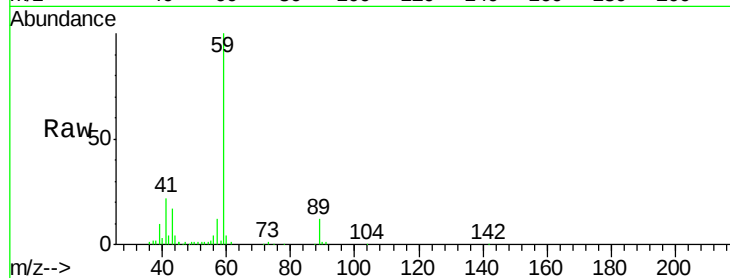
#11  
Tert butyl alcohol  
Concen: 275.996 ug/l  
RT: 3.03 min Scan# 351  
Delta R.T. -0.01 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.4  | 7.8   | 11.6  |

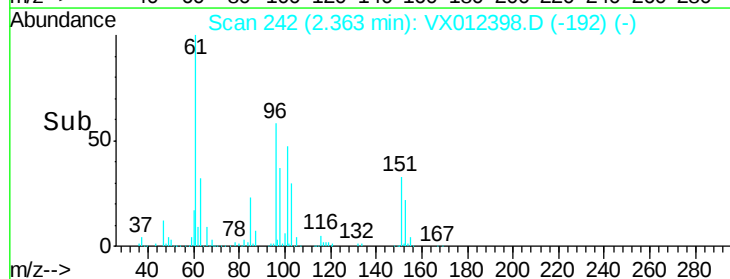
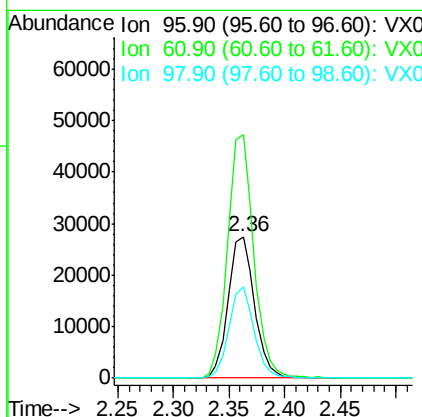
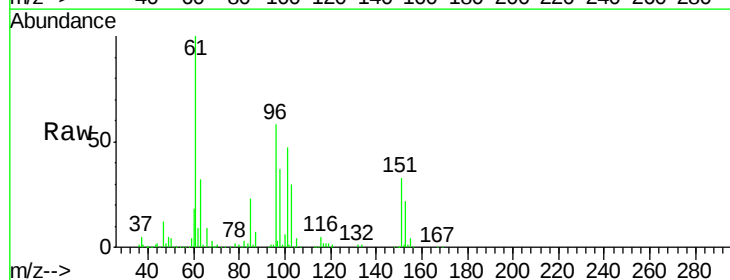
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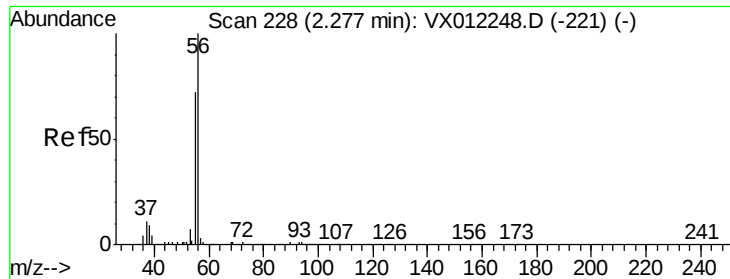
MMDadoda  
9/16/2019 1:13:10 AM



#12  
1,1-Dichloroethene  
Concen: 57.204 ug/l  
RT: 2.36 min Scan# 242  
Delta R.T. 0.01 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 172.2 | 142.2 | 213.2 |
| 98      | 64.3  | 51.3  | 76.9  |





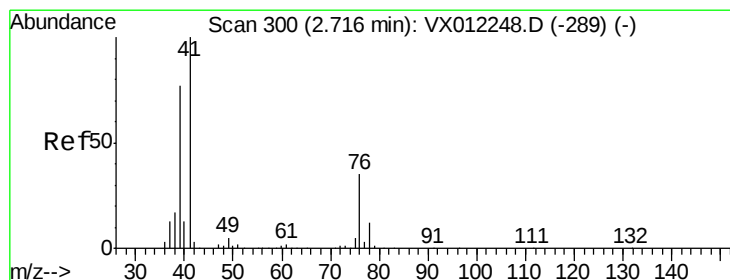
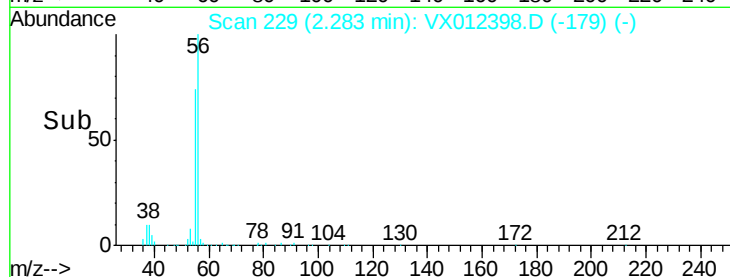
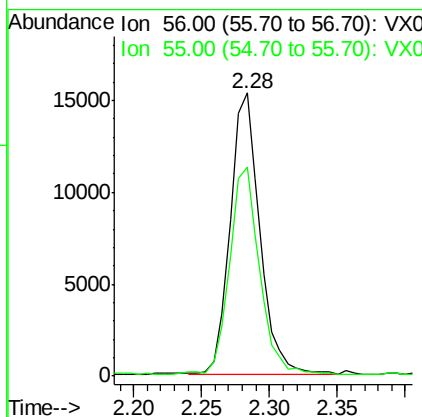
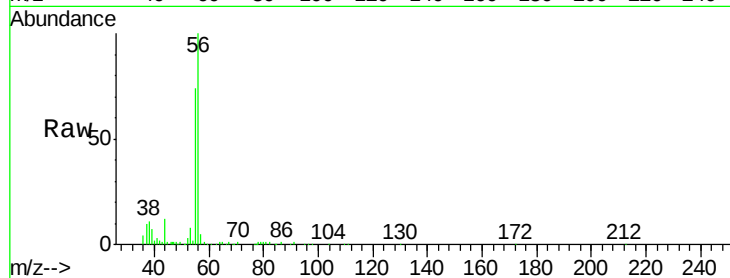
#13  
Acrolein  
Concen: 299.347 ug/l  
RT: 2.28 min Scan# 229  
Delta R.T. 0.01 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 56 | 55 | Ratio | 100 | 75.3 | Resp | 23045 | Lower | 59.8 | Upper | 89.6 |
|---------|----|----|-------|-----|------|------|-------|-------|------|-------|------|
| Ion     |    |    |       |     |      |      |       |       |      |       |      |

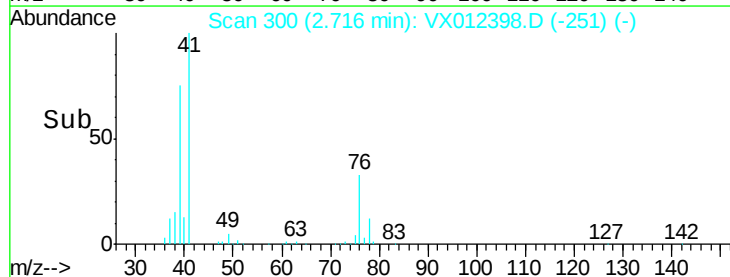
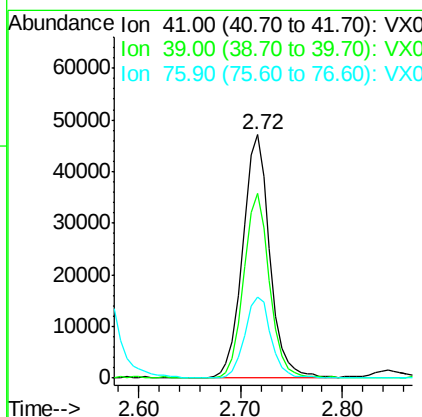
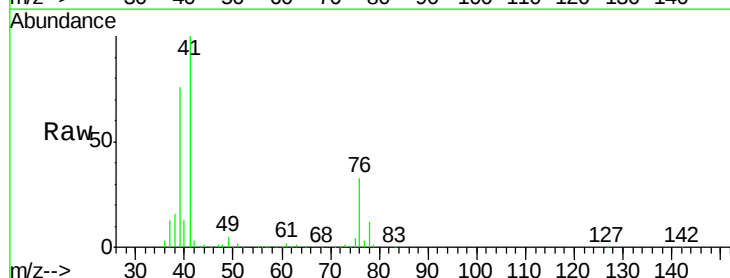
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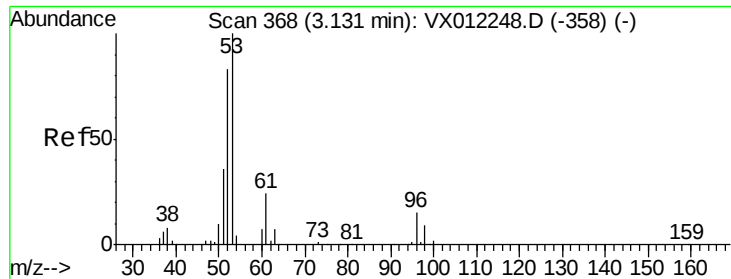
MMDadoda  
9/16/2019 1:13:10 AM



#14  
Allyl chloride  
Concen: 53.851 ug/l  
RT: 2.72 min Scan# 300  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

| Tgt Ion | 41 | 39 | 76 | Ratio | 100 | 71.9 | 32.8 | Resp | 86538 | Lower | 58.6 | Upper | 87.8 | 39.5 |
|---------|----|----|----|-------|-----|------|------|------|-------|-------|------|-------|------|------|
| Ion     |    |    |    |       |     |      |      |      |       |       |      |       |      |      |





#15

Acrylonitrile

Concen: 319.988 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA\_X

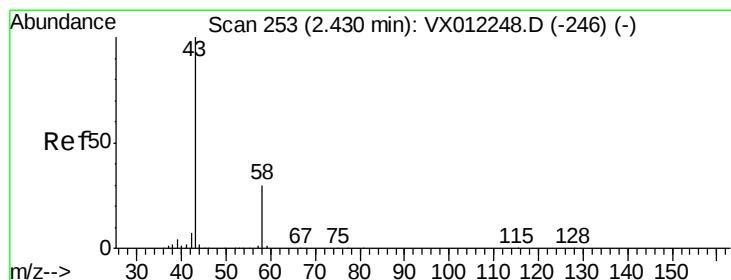
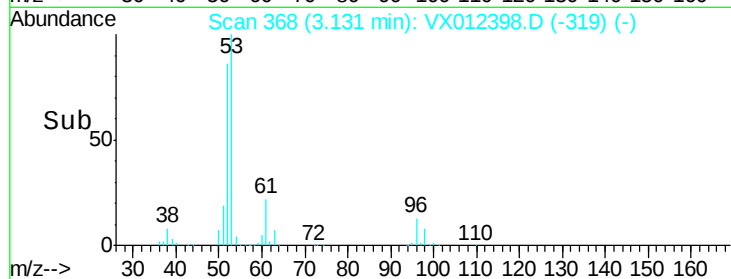
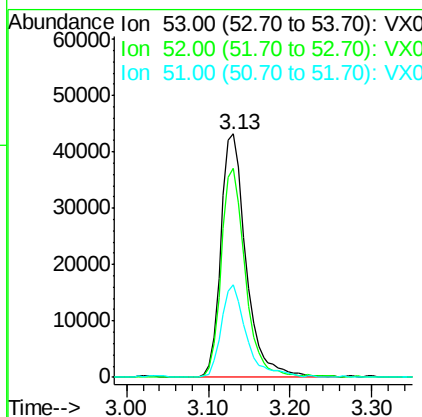
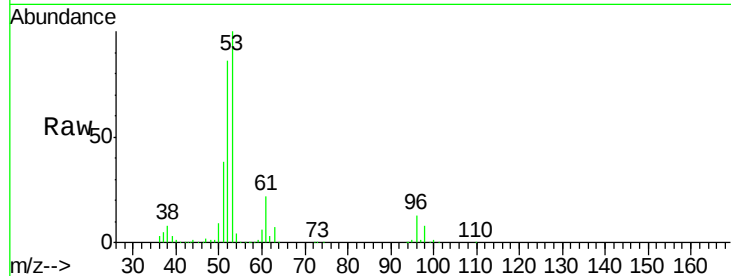
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 92979 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 81.5  | 66.8  | 100.2 |
| 51       | 37.6  | 30.7  | 46.1  |

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9/16/2019 1:13:10 AM



#16

Acetone

Concen: 254.402 ug/l

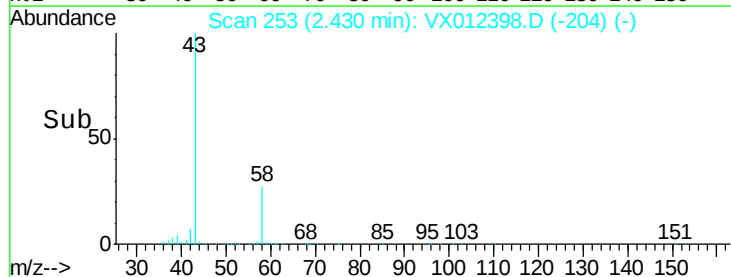
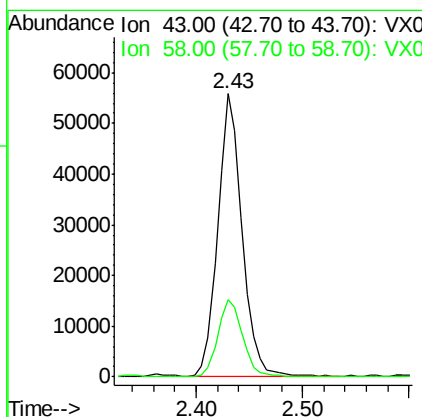
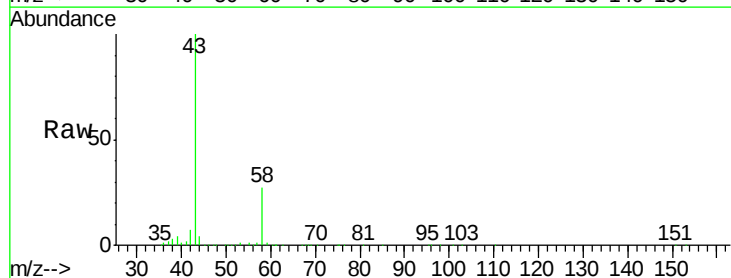
RT: 2.43 min Scan# 253

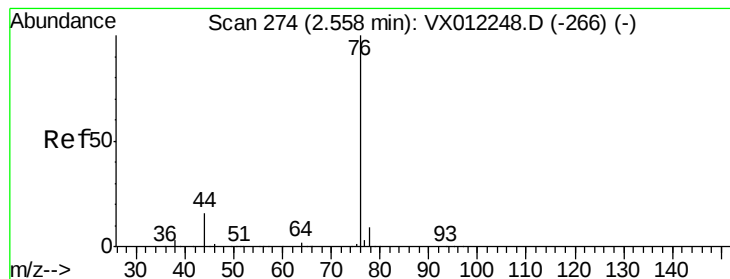
Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 88692 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 27.0  | 23.6  | 35.4  |





#17

Carbon Disulfide

Concen: 50.469 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 83536

Ion Ratio Lower Upper

76 100

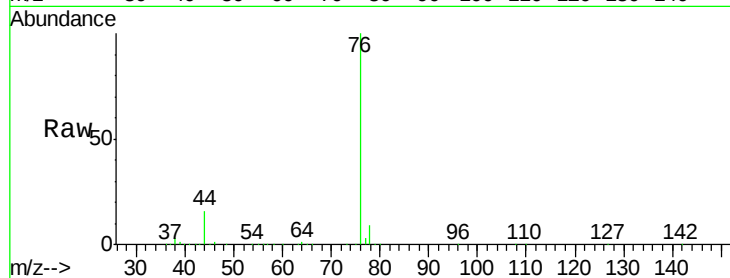
78 9.0 7.4 11.2

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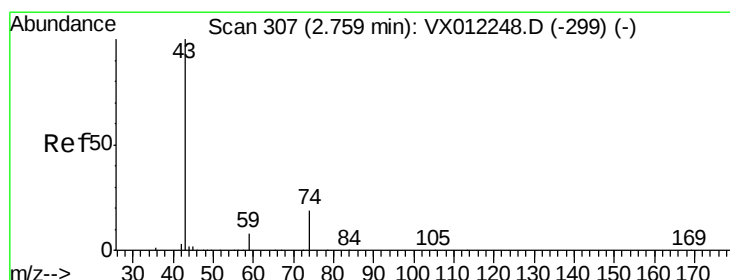
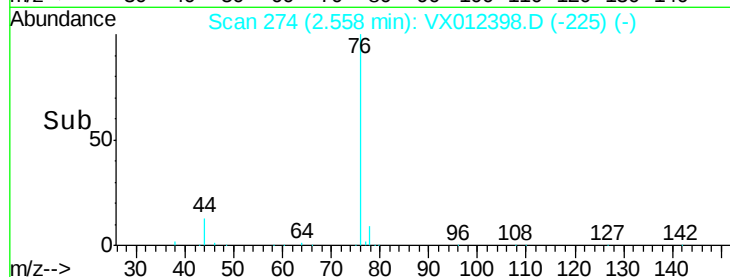
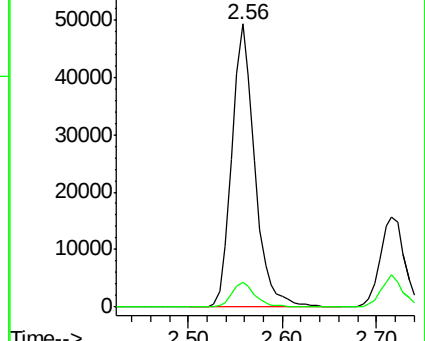
MMDadoda

9/16/2019 1:13:10 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 63.649 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX012398.D

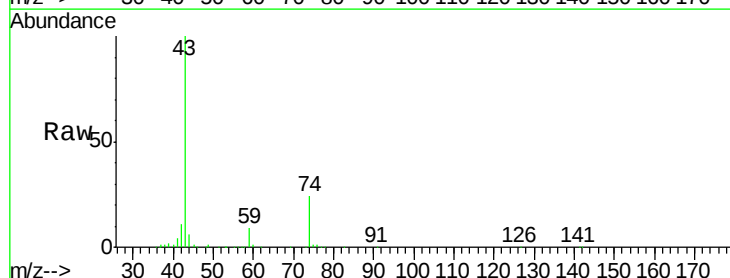
Acq: 13 Sep 2019 20:33

Tgt Ion: 43 Resp: 46640

Ion Ratio Lower Upper

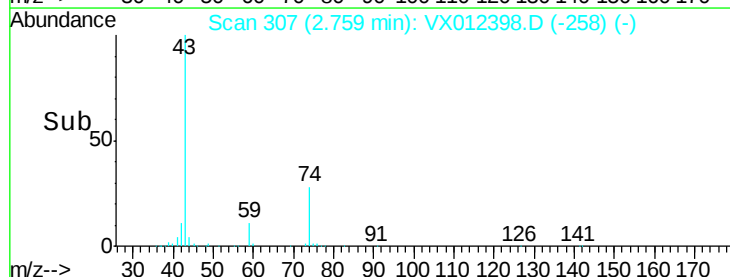
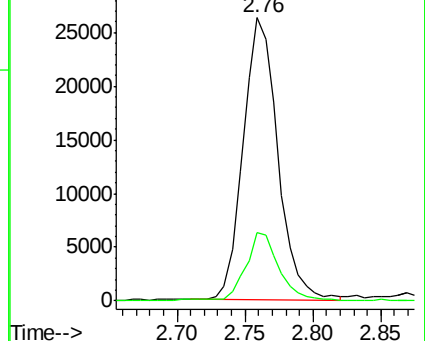
43 100

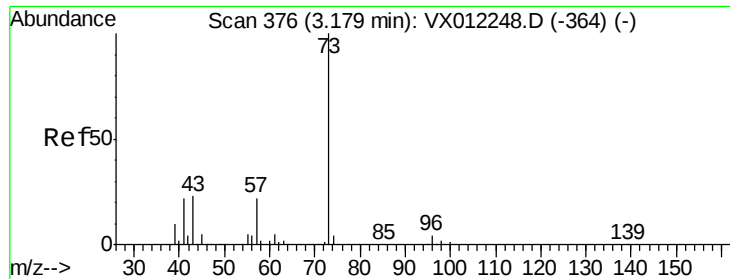
74 23.1 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





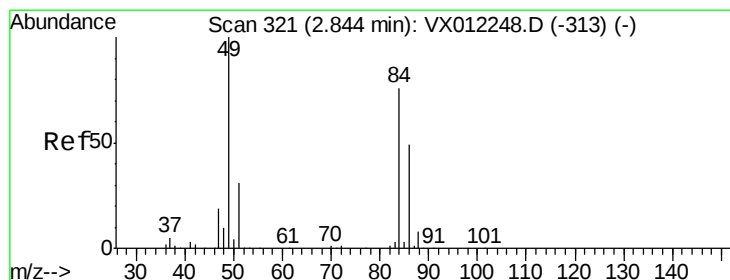
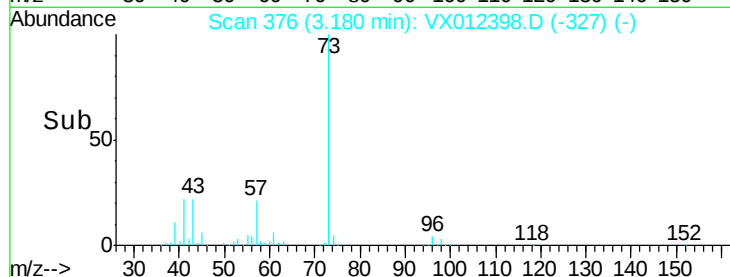
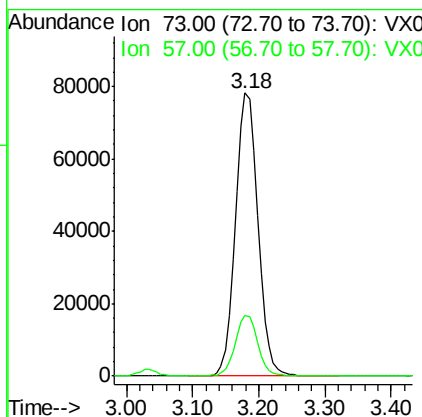
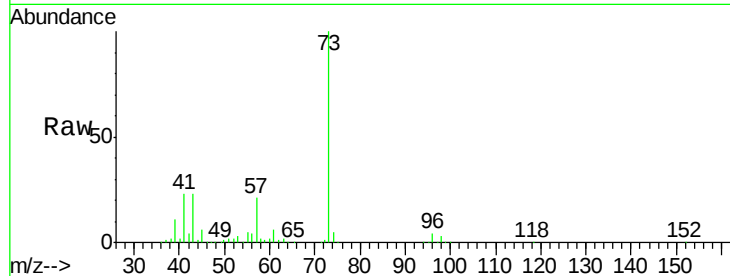
#19  
Methvl tert-butvl Ether  
Concen: 59.116 ug/l  
RT: 3.18 min Scan# 376  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 21.4  | 17.7  | 26.5  |

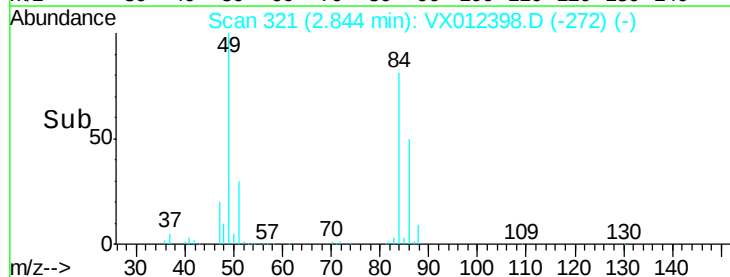
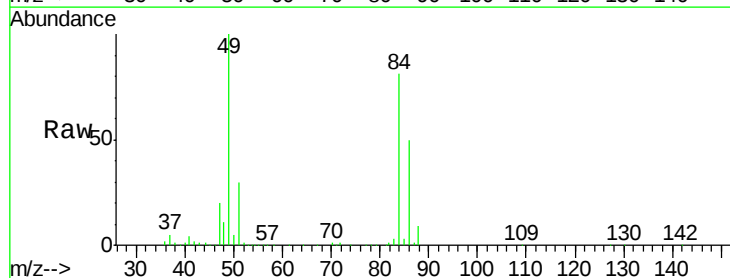
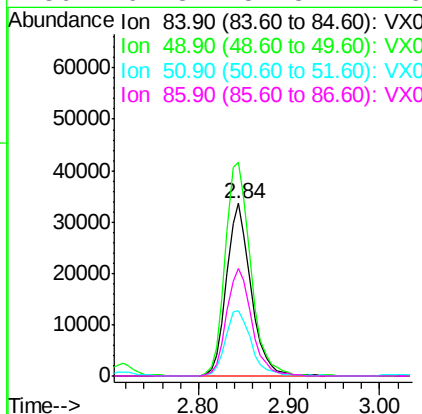
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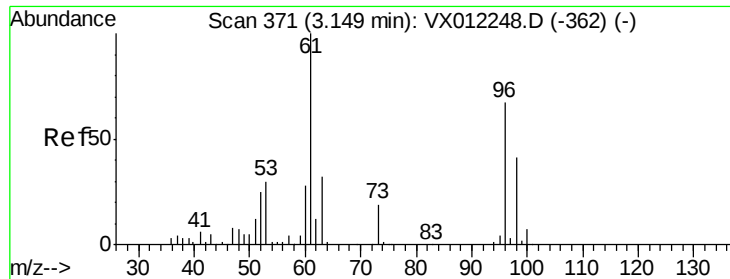
MMDadoda  
9/16/2019 1:13:10 AM



#20  
Methylene Chloride  
Concen: 58.279 ug/l  
RT: 2.84 min Scan# 321  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 123.9 | 105.0 | 157.6 |
| 51      | 37.6  | 32.6  | 48.8  |
| 86      | 62.3  | 51.8  | 77.6  |





#21

trans-1,2-Dichloroethene

Concen: 55.692 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 52372

Ion Ratio Lower Upper

96 100

61 149.2 119.4 179.2

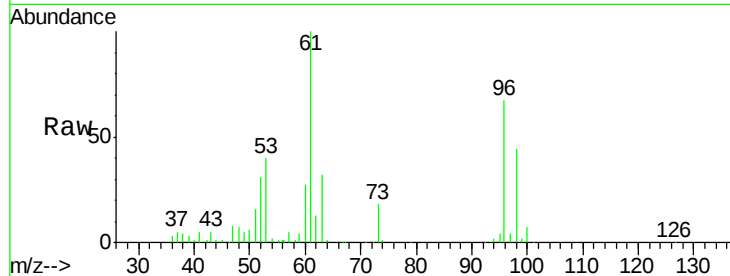
98 65.2 48.4 72.6

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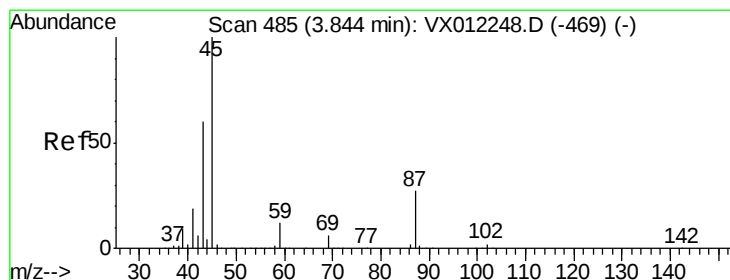
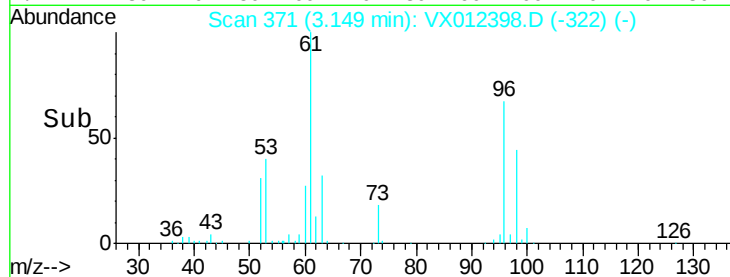
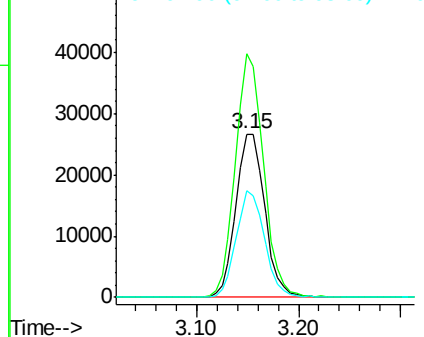


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 57.336 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Tgt Ion: 45 Resp: 210719

Ion Ratio Lower Upper

45 100

43 73.5 48.3 72.5#

87 26.0 21.8 32.8

59 11.1 9.1 13.7

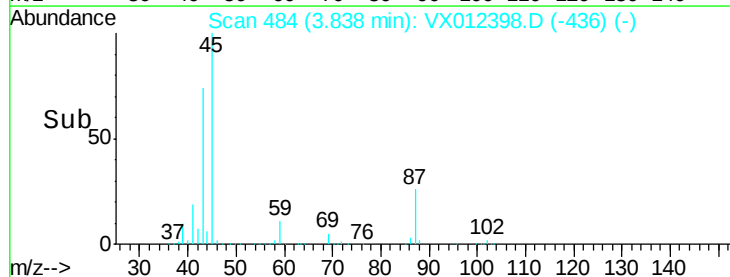
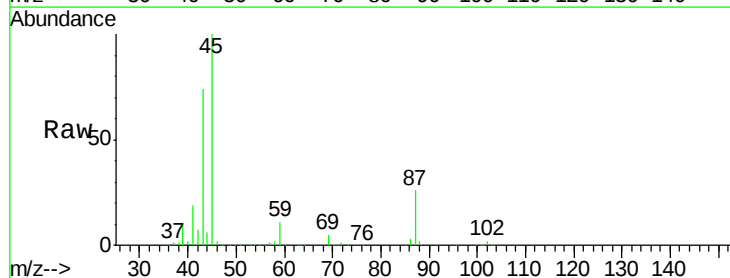
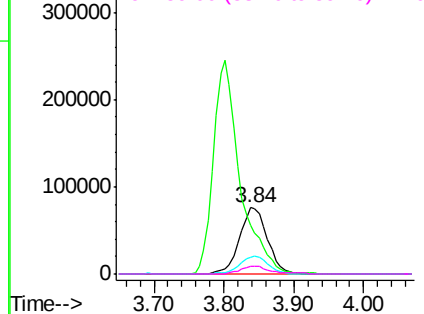
Abundance

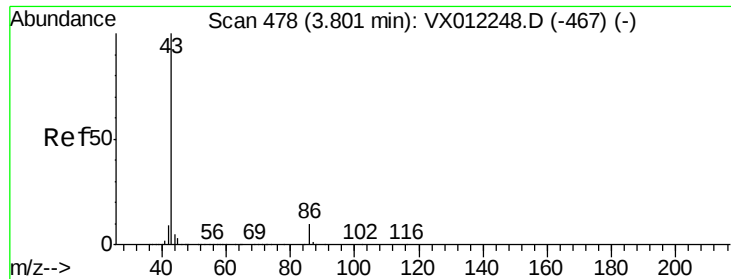
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 288.513 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 650555

Ion Ratio Lower Upper

43 100

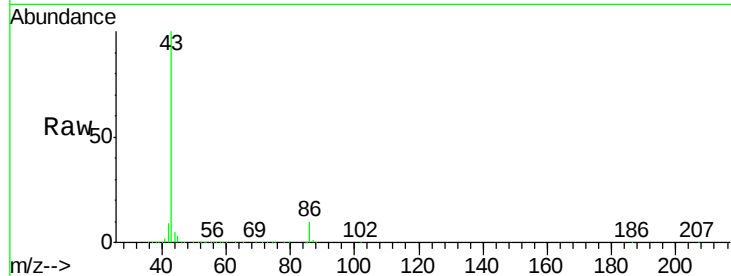
86 10.0 8.3 12.5

Manual Integrations

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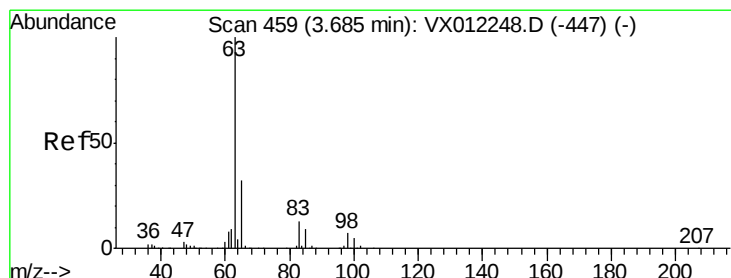
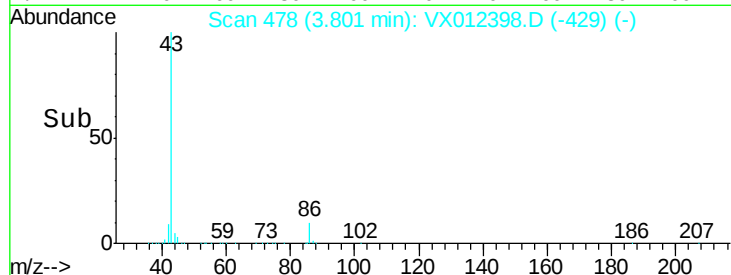
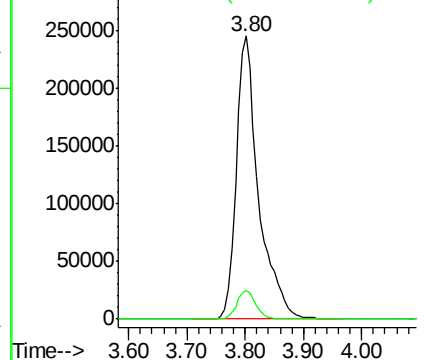
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 57.683 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

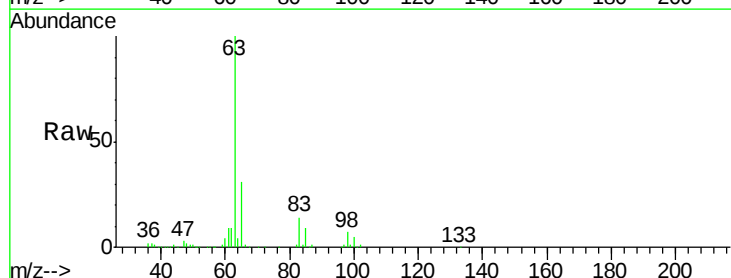
Tgt Ion: 63 Resp: 113553

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

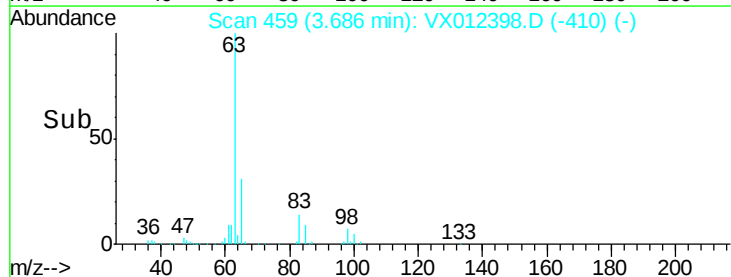
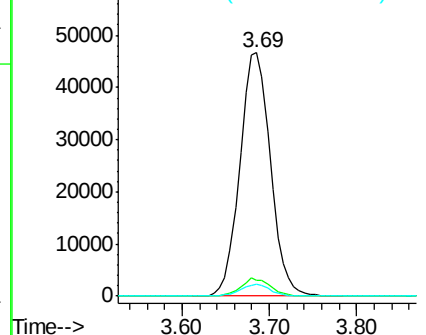
100 4.8 2.4 7.2

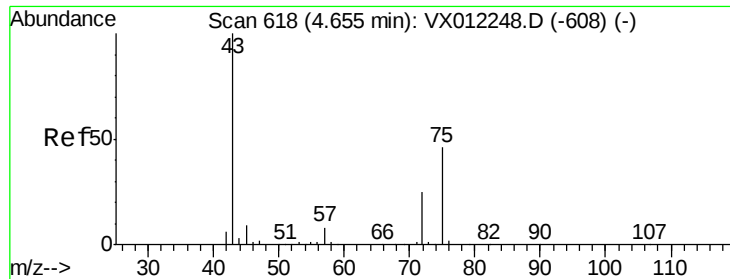


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 292.294 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 130267

Ion Ratio Lower Upper

43 100

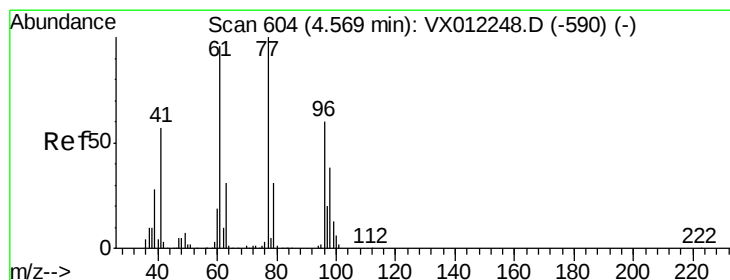
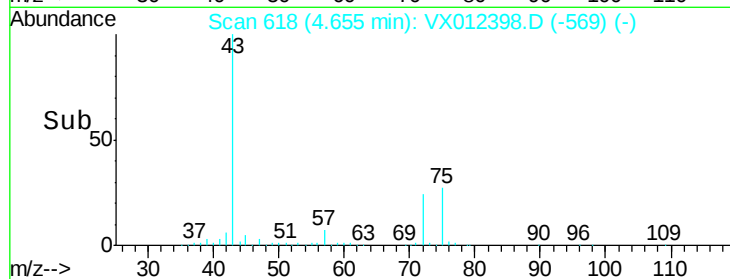
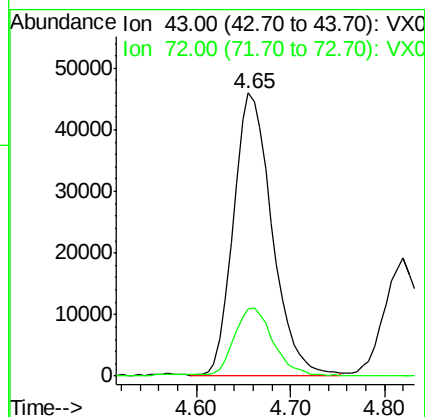
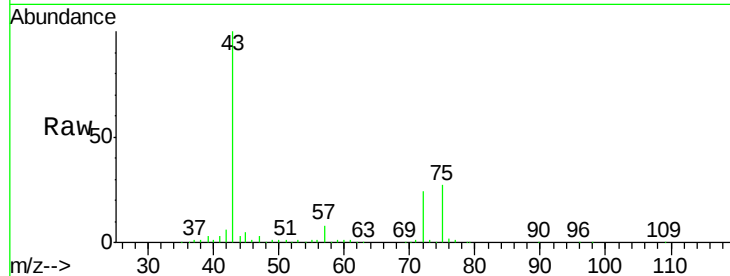
72 23.5 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 48.766 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012398.D

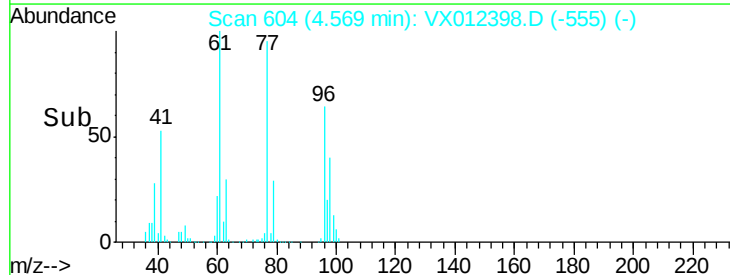
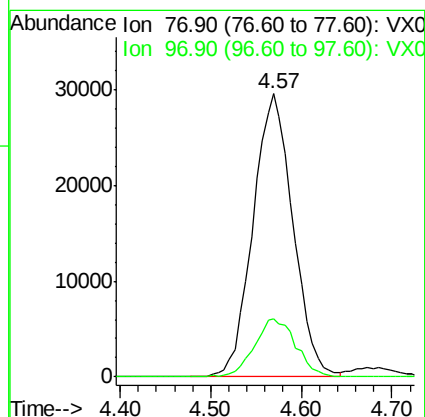
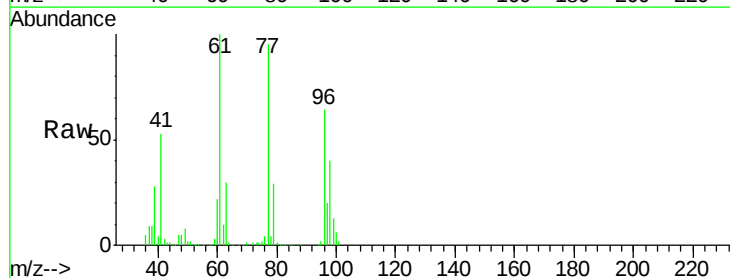
Acq: 13 Sep 2019 20:33

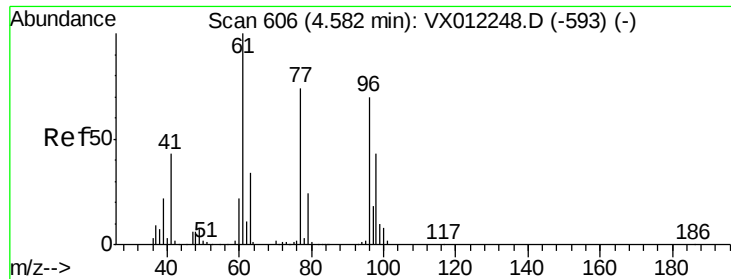
Tgt Ion: 77 Resp: 90129

Ion Ratio Lower Upper

77 100

97 21.2 10.7 32.1





#27

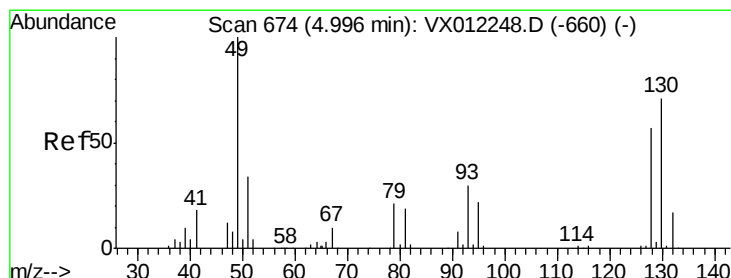
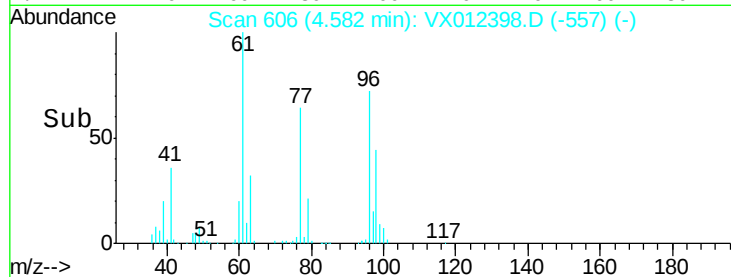
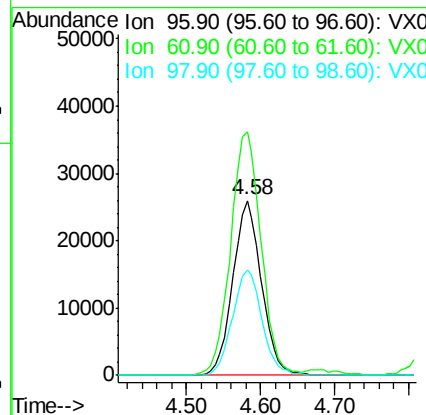
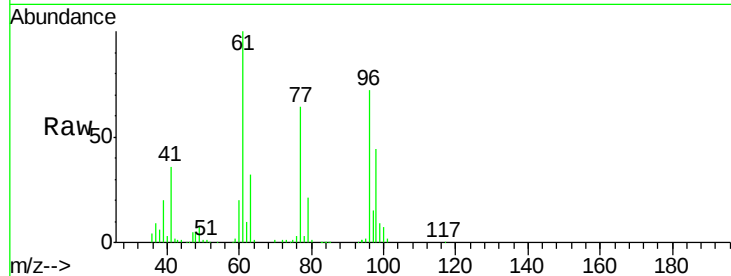
cis-1,2-Dichloroethene  
 Concen: 57.739 ug/l  
 RT: 4.58 min Scan# 606  
 Delta R.T. 0.00 min  
 Lab File: VX012398.D  
 Acq: 13 Sep 2019 20:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 147.7 | 0.0   | 310.4 |
| 98      | 62.0  | 0.0   | 128.8 |

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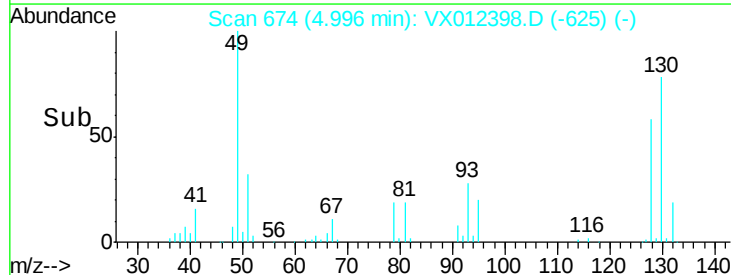
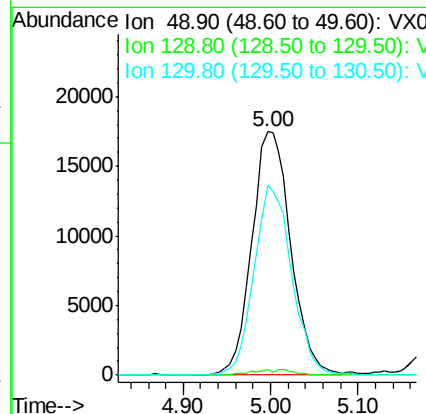
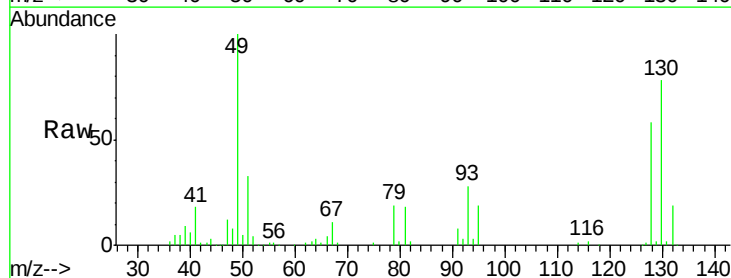
MMDadoda  
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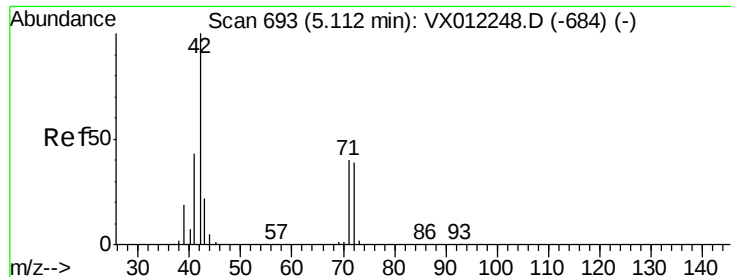


#28

Bromochloromethane  
 Concen: 58.616 ug/l  
 RT: 5.00 min Scan# 674  
 Delta R.T. 0.00 min  
 Lab File: VX012398.D  
 Acq: 13 Sep 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.4   | 0.0   | 5.2   |
| 130     | 75.5  | 60.1  | 90.1  |





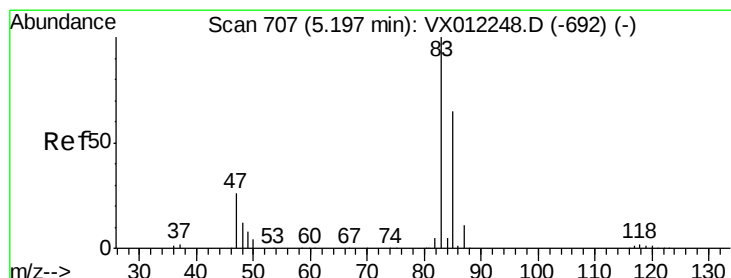
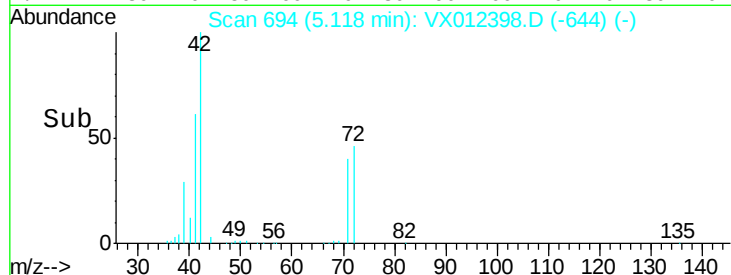
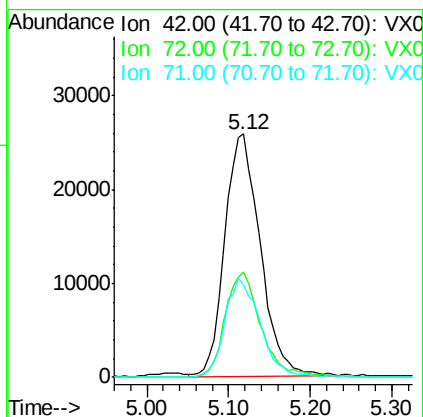
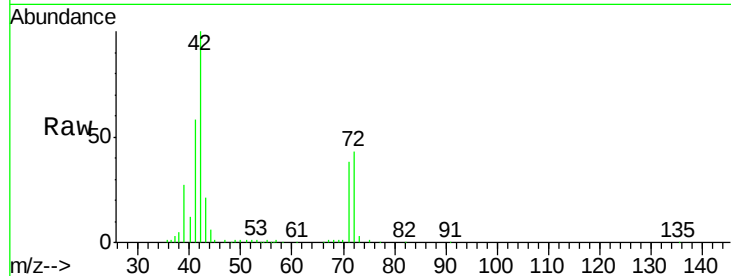
#29  
Tetrahydrofuran  
Concen: 322.820 ug/l  
RT: 5.12 min Scan# 694  
Delta R.T. 0.01 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.1  | 35.2  | 52.8  |
| 71      | 40.9  | 32.5  | 48.7  |

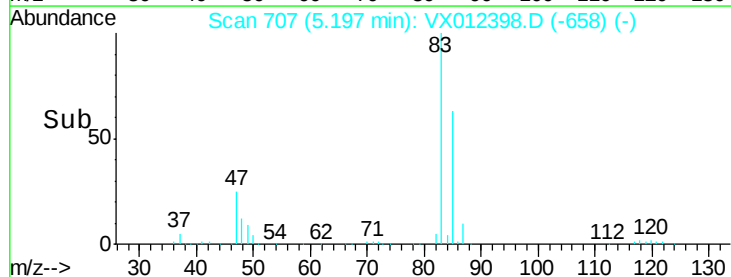
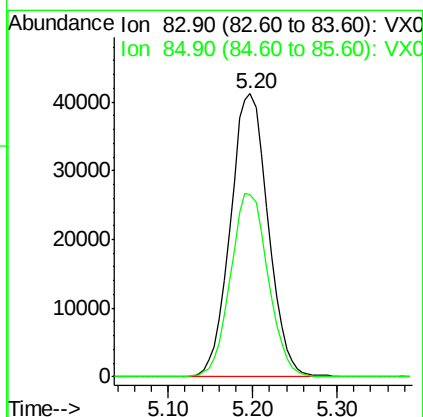
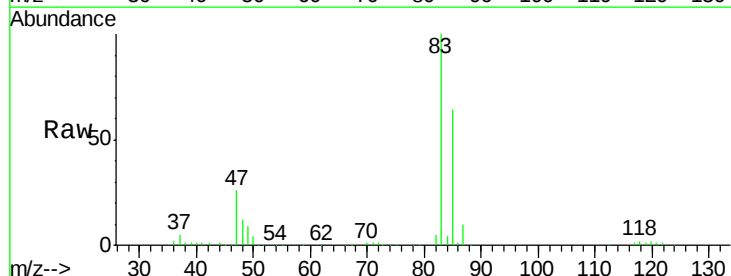
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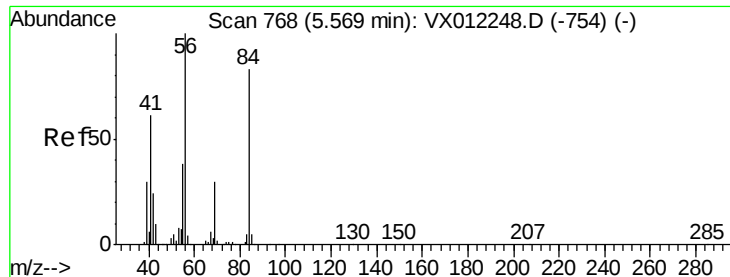
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#30  
Chloroform  
Concen: 56.341 ug/l  
RT: 5.20 min Scan# 707  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.0  | 52.3  | 78.5  |





#31

Cyclohexane

Concen: 52.563 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA\_X

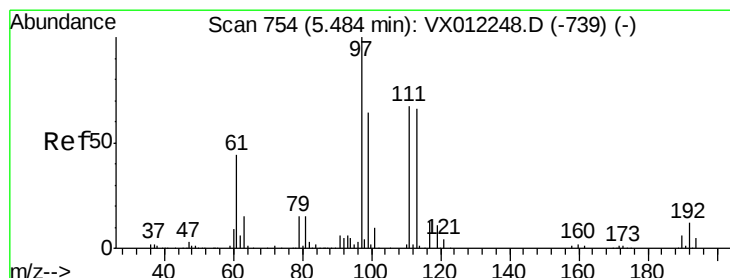
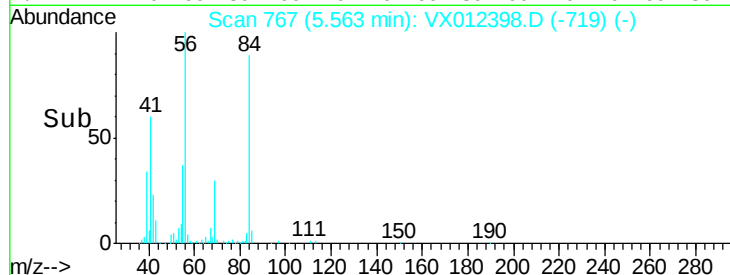
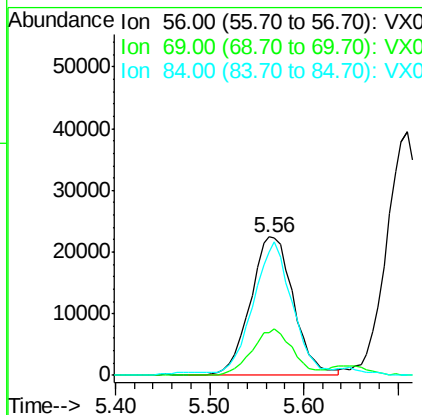
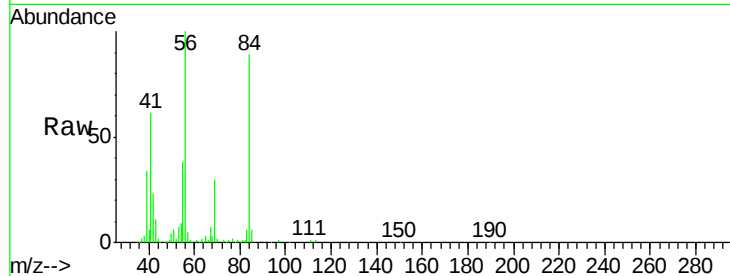
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 56    | Resp: | 71878 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 30.4  | 23.8  | 35.6  |
| 84       | 86.6  | 66.6  | 100.0 |

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#32

1,1,1-Trichloroethane

Concen: 54.318 ug/l

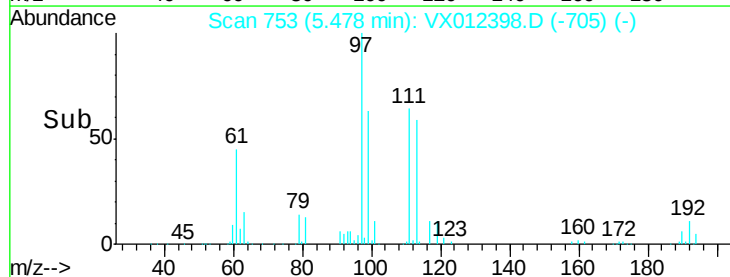
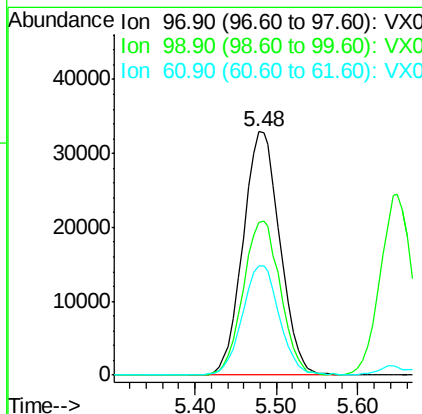
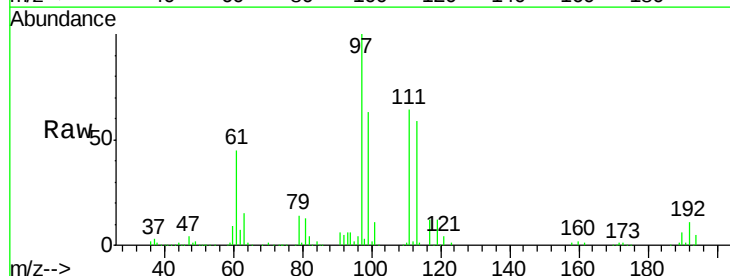
RT: 5.48 min Scan# 753

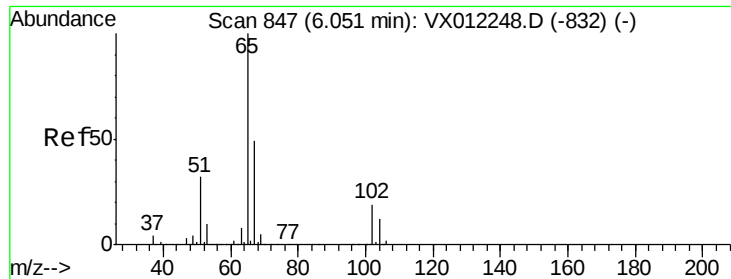
Delta R.T. -0.01 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 103536 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 63.8  | 51.3  | 76.9   |
| 61       | 45.3  | 35.4  | 53.0   |





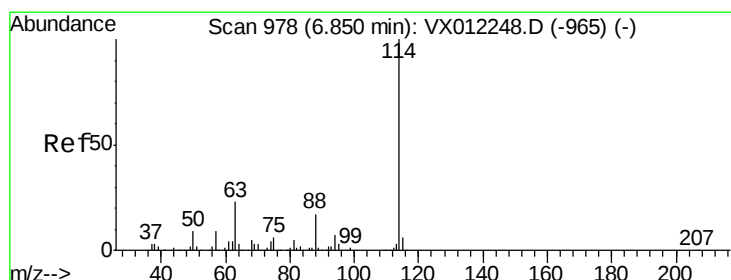
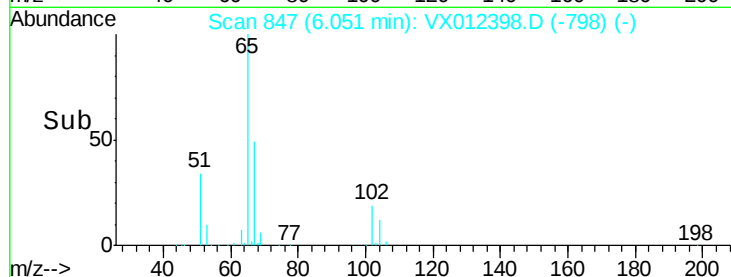
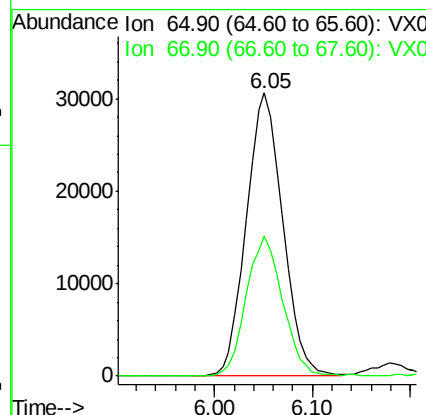
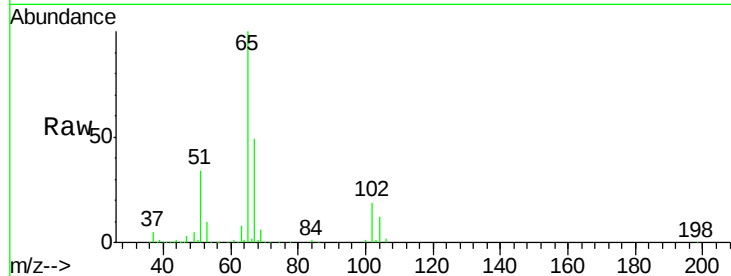
#33  
 1,2-Dichloroethane-d4  
 Concen: 53.871 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. 0.00 min  
 Lab File: VX012398.D  
 Acq: 13 Sep 2019 20:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 49.4  | 0.0   | 99.8  |

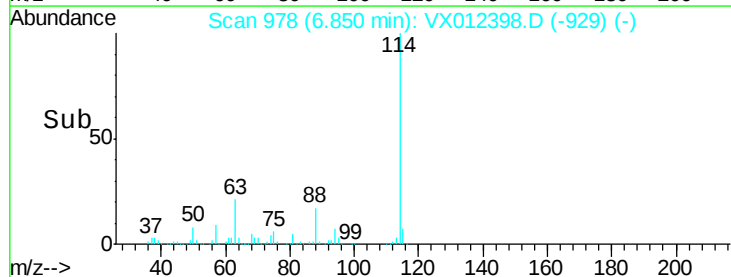
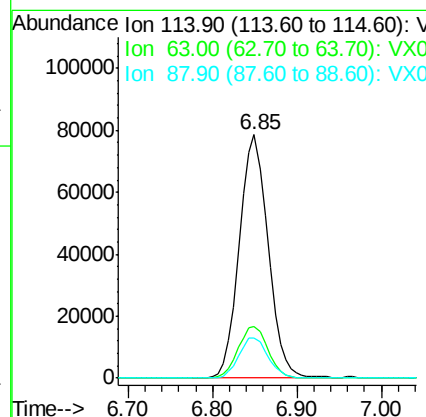
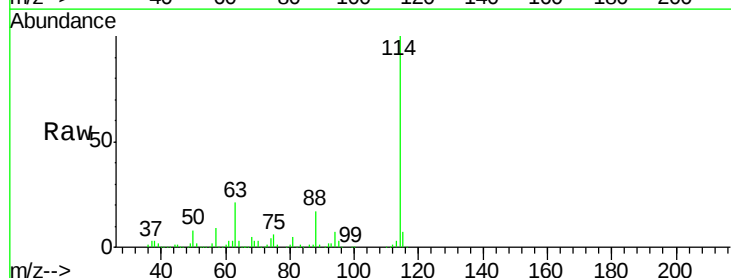
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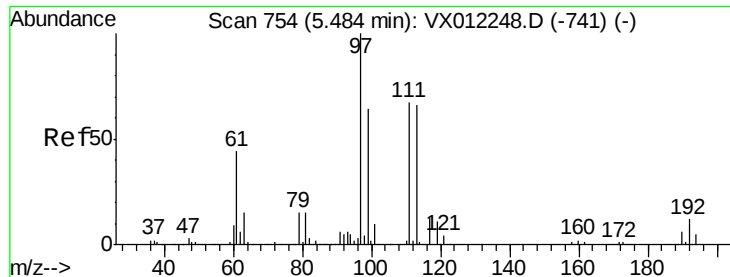
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. 0.00 min  
 Lab File: VX012398.D  
 Acq: 13 Sep 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.4  | 0.0   | 45.2  |
| 88      | 16.6  | 0.0   | 34.8  |





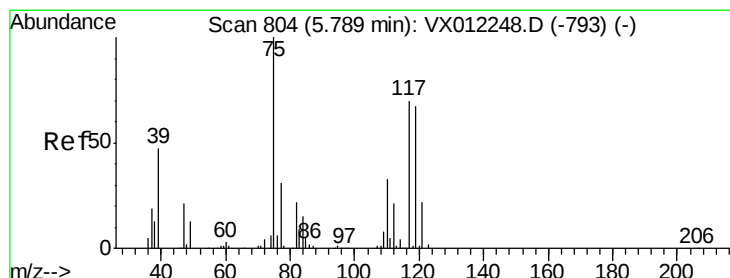
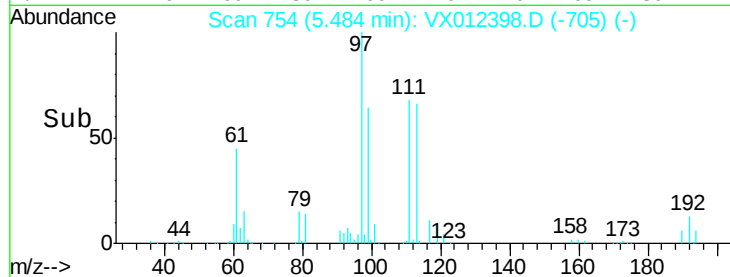
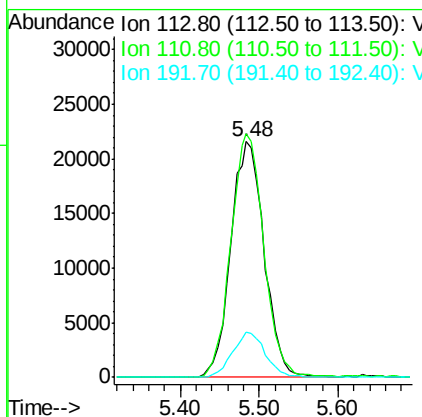
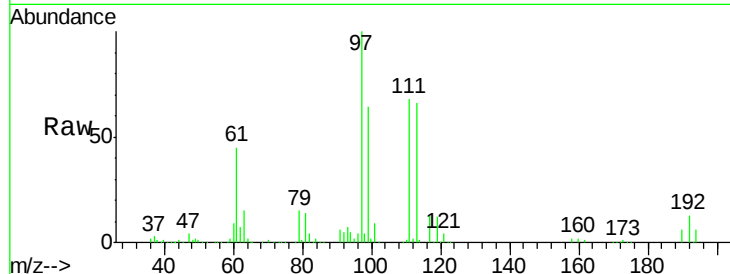
#35  
 Dibromofluoromethane  
 Concen: 54.373 ug/l  
 RT: 5.48 min Scan# 754  
 Delta R.T. 0.00 min  
 Lab File: VX012398.D  
 Acq: 13 Sep 2019 20:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 63256 |       |       |
| 111     | 102.1 | 83.0  | 124.6 |       |
| 192     | 18.8  | 14.3  | 21.5  |       |

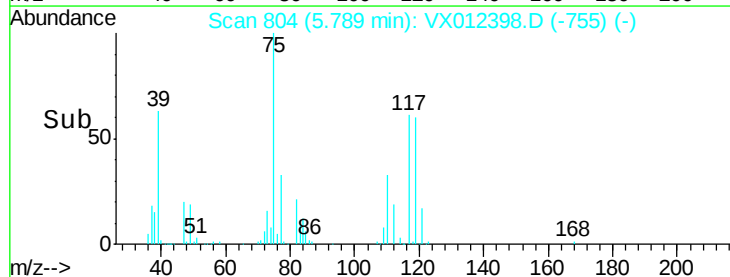
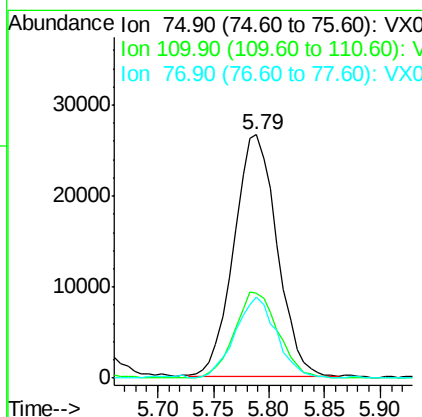
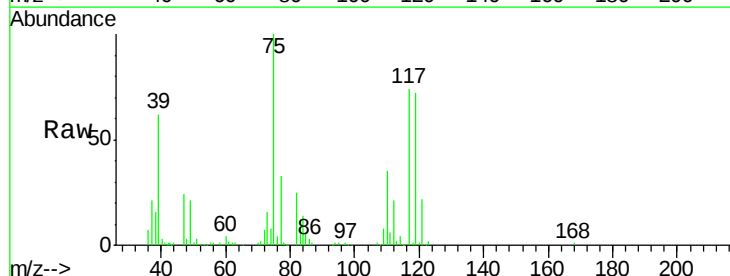
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#36  
 1,1-Dichloropropene  
 Concen: 53.830 ug/l  
 RT: 5.79 min Scan# 804  
 Delta R.T. 0.00 min  
 Lab File: VX012398.D  
 Acq: 13 Sep 2019 20:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 71233 |       |       |
| 110     | 36.1  | 16.8  | 50.4  |       |
| 77      | 31.8  | 24.5  | 36.7  |       |





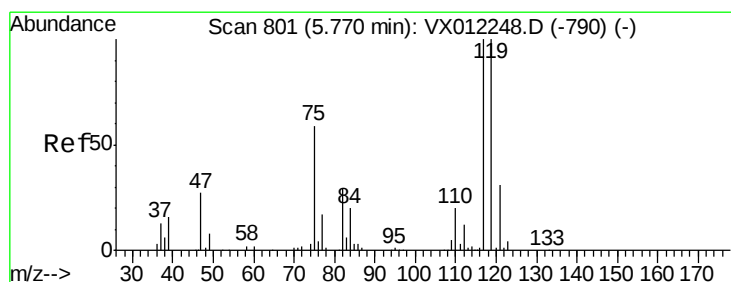
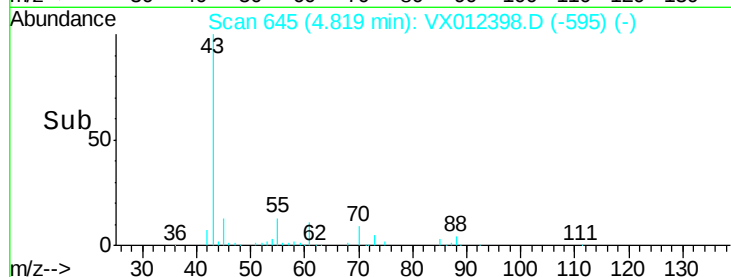
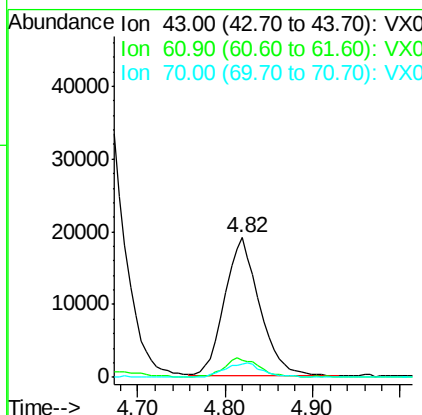
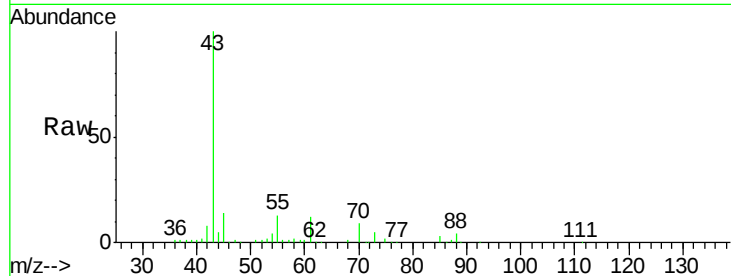
#37  
Ethyl Acetate  
Concen: 64.380 ug/l  
RT: 4.82 min Scan# 645  
Delta R.T. 0.01 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.3  | 10.3  | 15.5  |
| 70      | 11.6  | 9.1   | 13.7  |

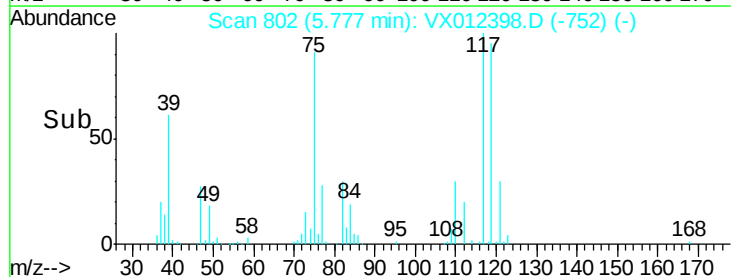
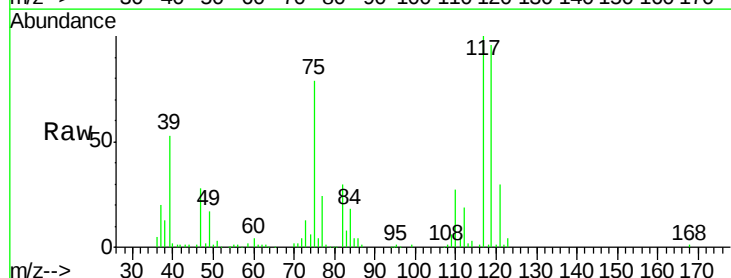
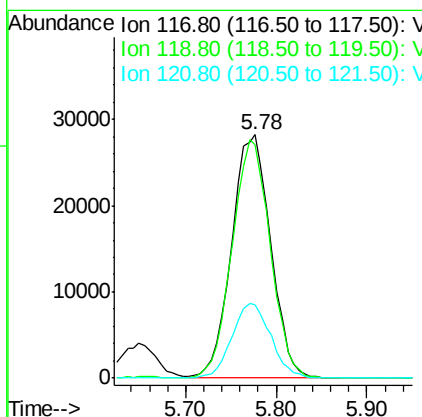
Manual Integrations  
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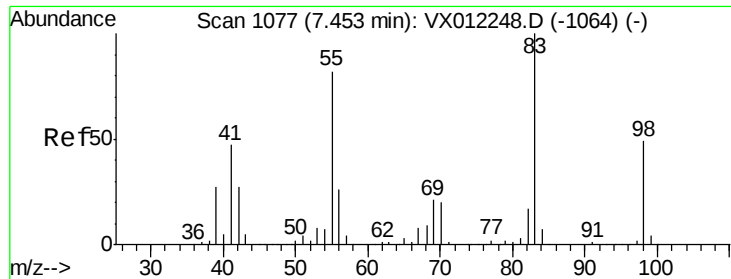
MMDadoda  
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#38  
Carbon Tetrachloride  
Concen: 54.321 ug/l  
RT: 5.78 min Scan# 802  
Delta R.T. 0.01 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.7  | 79.6  | 119.4 |
| 121     | 30.4  | 24.7  | 37.1  |





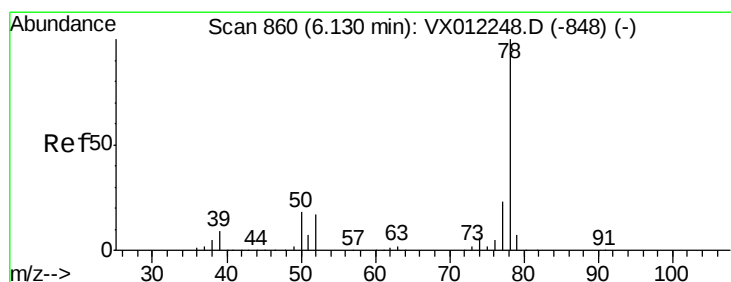
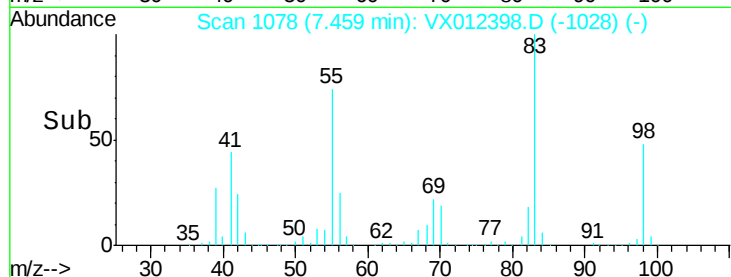
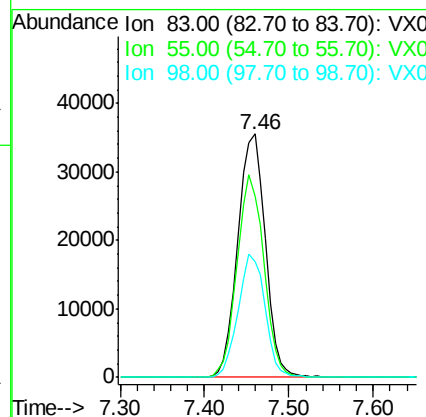
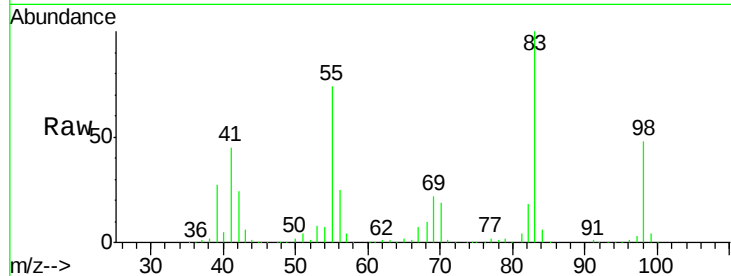
#39  
Methylvlcyclohexane  
Concen: 53.974 ug/l  
RT: 7.46 min Scan# 1078  
Delta R.T. 0.01 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 74.2  | 65.4  | 98.2  |
| 98      | 47.5  | 39.6  | 59.4  |

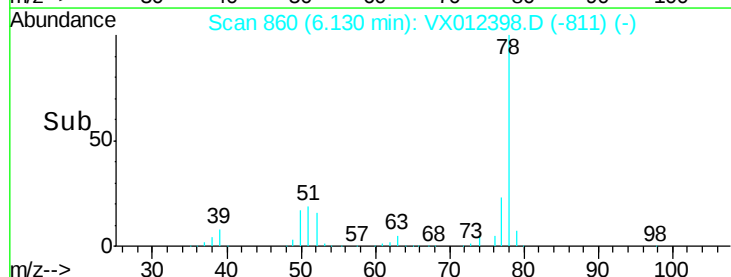
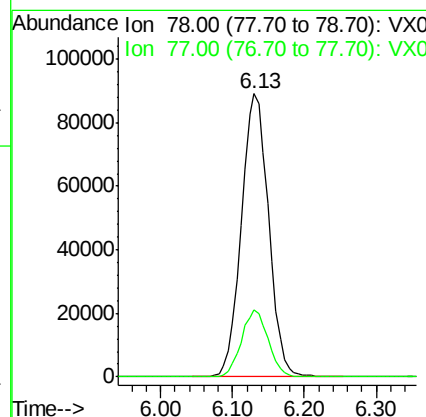
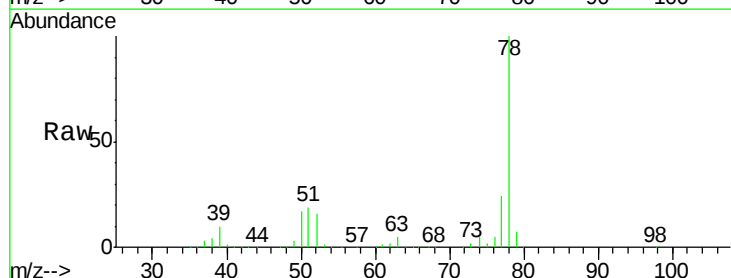
Manual Integrations  
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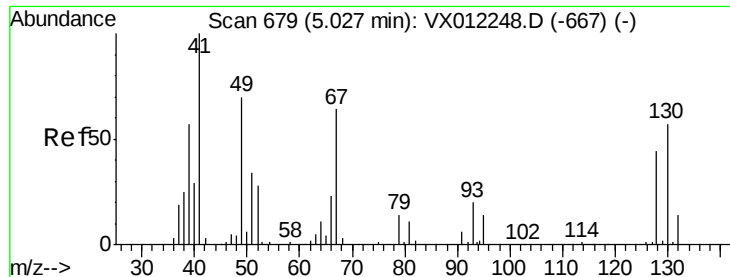
MMDadoda  
9/16/2019 1:13:10 AM



#40  
Benzene  
Concen: 58.371 ug/l  
RT: 6.13 min Scan# 860  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.7  | 18.0  | 27.0  |





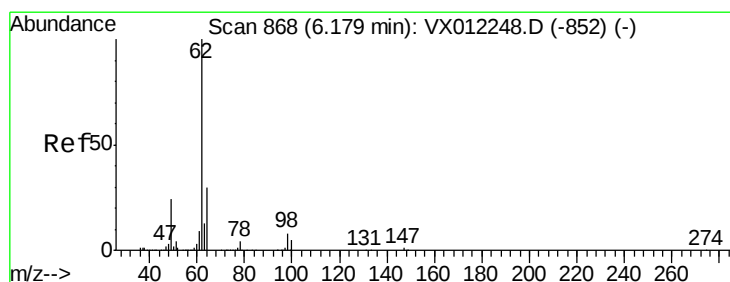
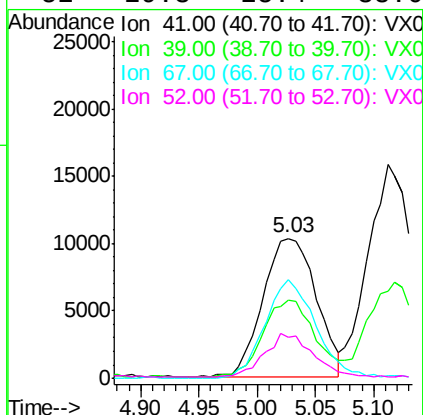
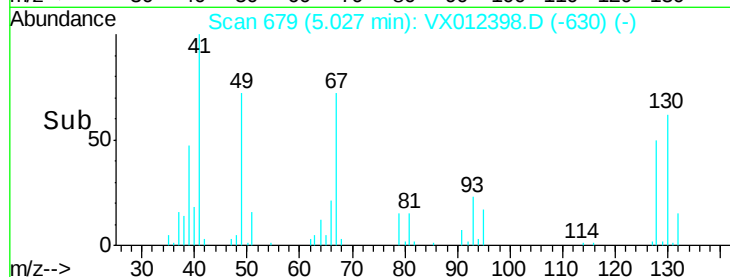
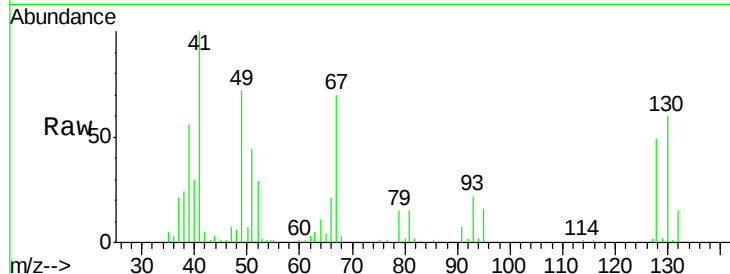
#41  
Methacrylonitrile  
Concen: 64.958 ug/l  
RT: 5.03 min Scan# 679  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 32758   | 41  | 100   |       |       |
|         | 39  | 55.7  | 49.0  | 73.4  |
|         | 67  | 68.4  | 55.0  | 82.4  |
|         | 52  | 29.3  | 25.4  | 38.0  |

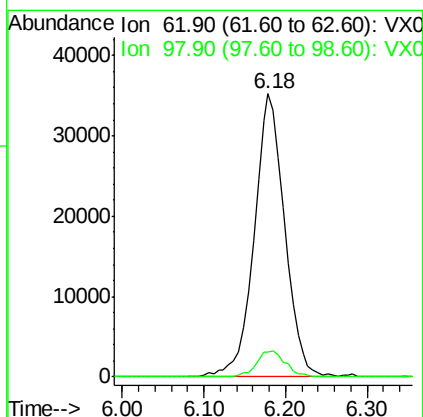
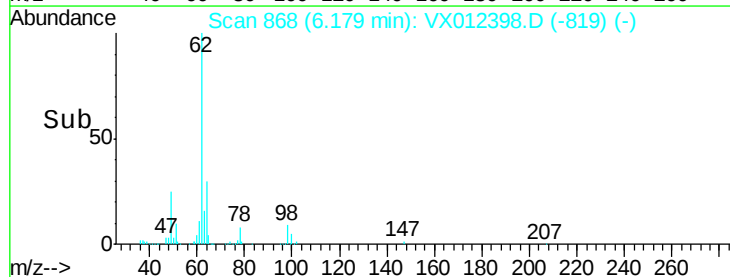
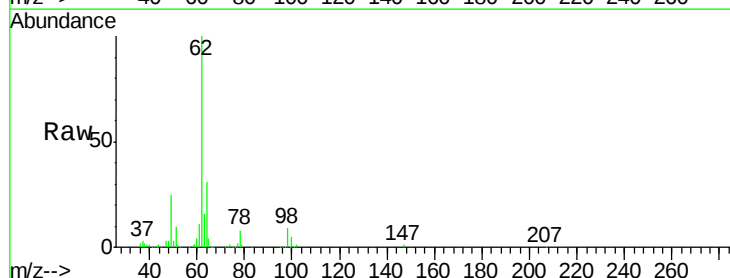
Manual Integrations  
APPROVED

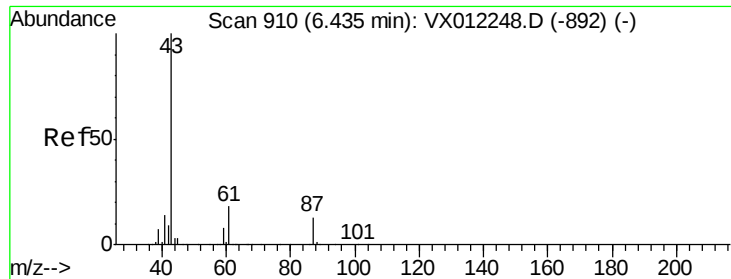
MMDadoda  
9/16/2019 1:13:10 AM



#42  
1,2-Dichloroethane  
Concen: 58.126 ug/l  
RT: 6.18 min Scan# 868  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 92010   | 62  | 100   |       |       |
|         | 98  | 8.9   | 0.0   | 17.2  |





#43

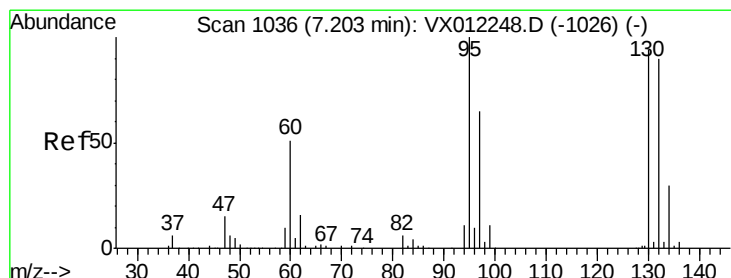
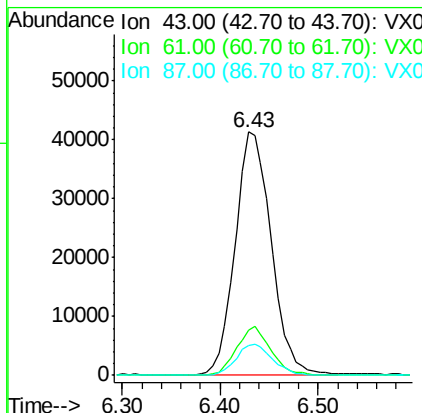
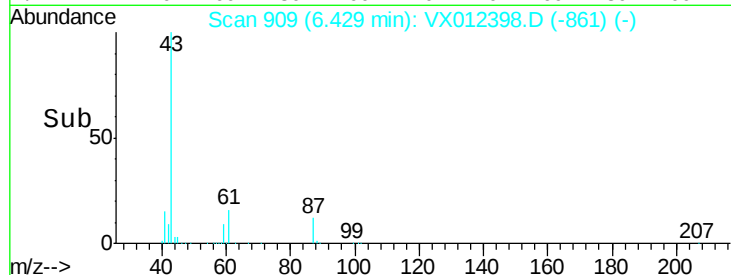
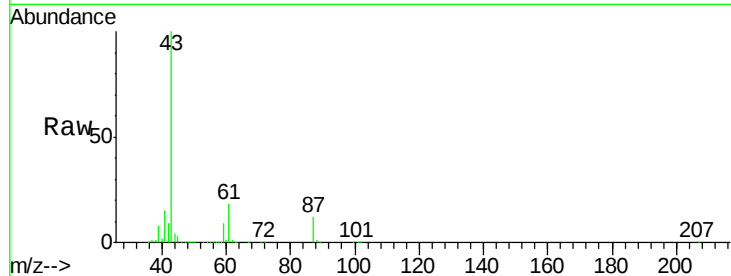
Isopropyl Acetate  
 Concen: 60.810 ug/l  
 RT: 6.43 min Scan# 909  
 Delta R.T. -0.01 min  
 Lab File: VX012398.D  
 Acq: 13 Sep 2019 20:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 104874 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 19.0  | 15.4  | 23.2   |
| 87       | 13.0  | 10.5  | 15.7   |

Manual Integrations  
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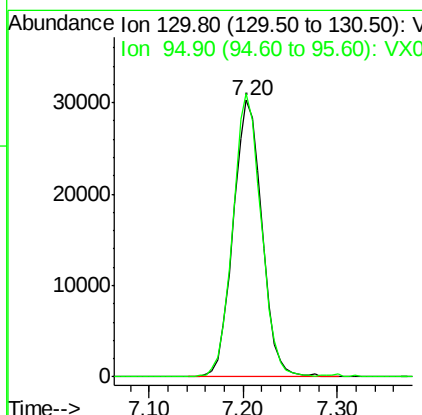
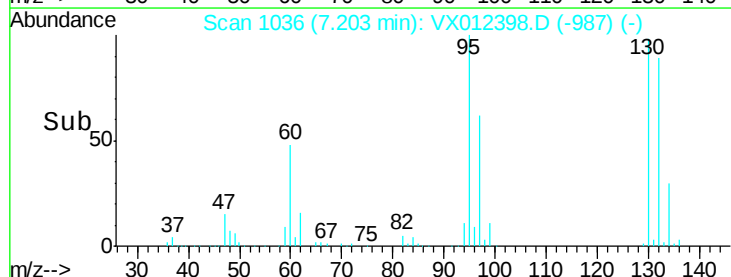
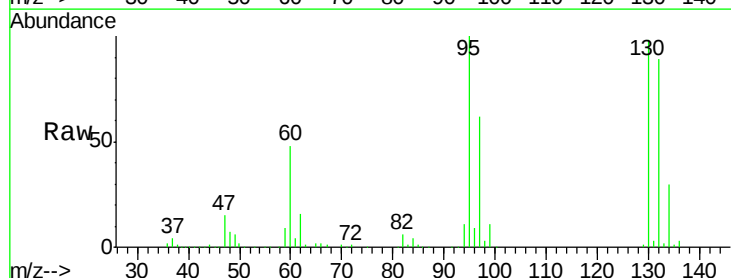
MMDadoda  
 9/16/2019 1:13:10 AM

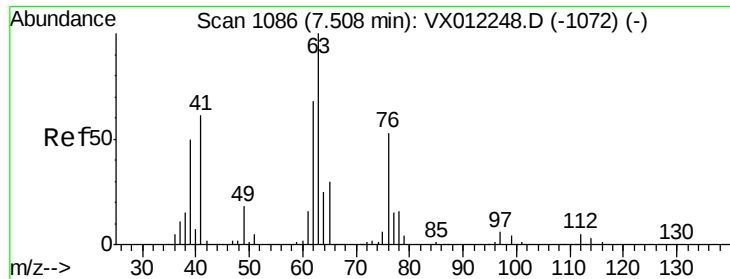


#44

Trichloroethene  
 Concen: 59.278 ug/l  
 RT: 7.20 min Scan# 1036  
 Delta R.T. 0.00 min  
 Lab File: VX012398.D  
 Acq: 13 Sep 2019 20:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 64251 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 102.4 | 0.0   | 212.0 |





#45

1,2-Dichloropropane

Concen: 58.812 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 65199

Ion Ratio Lower Upper

63 100

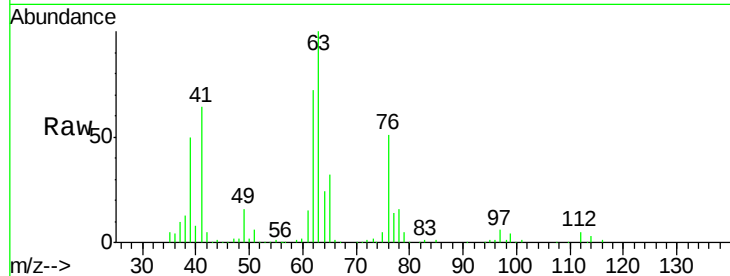
65 31.7 24.3 36.5

Manual Integrations

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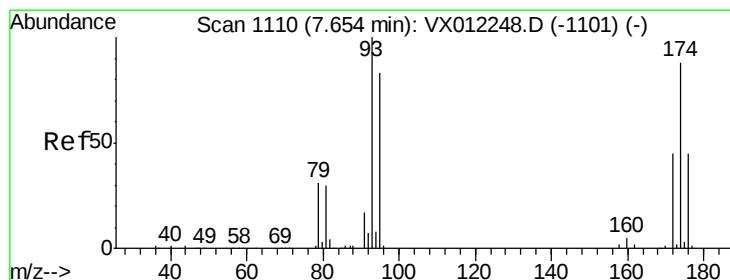
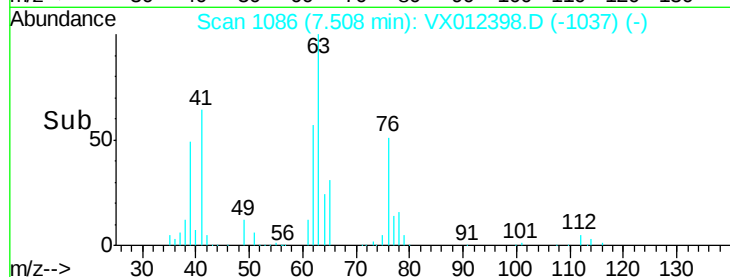
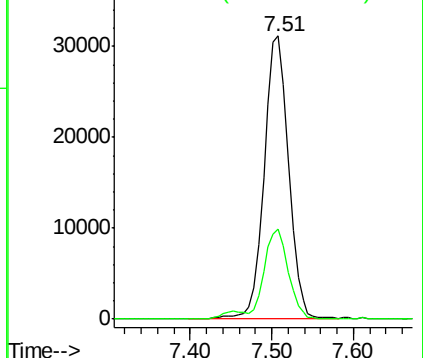
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 61.510 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

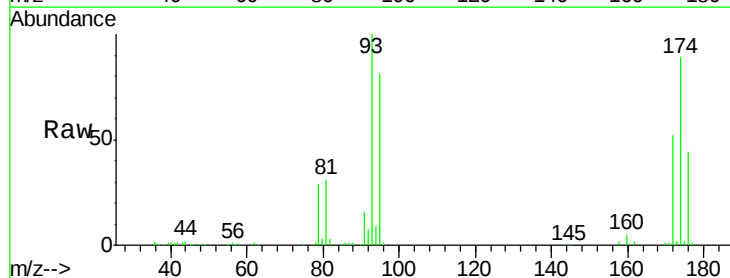
Tgt Ion: 93 Resp: 37268

Ion Ratio Lower Upper

93 100

95 81.7 65.7 98.5

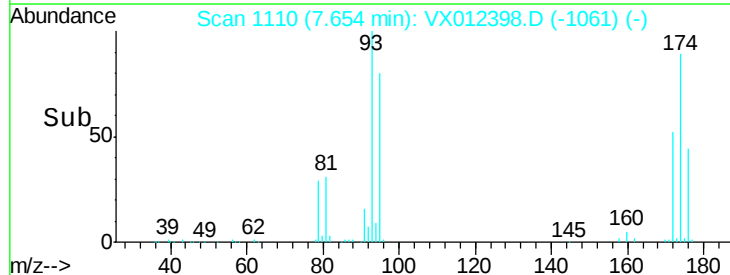
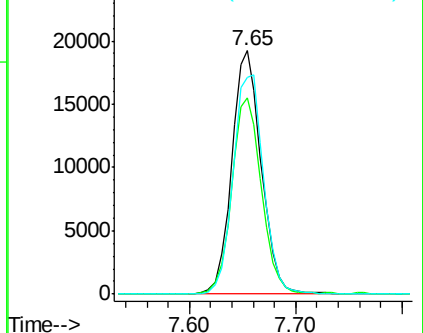
174 93.2 71.0 106.4

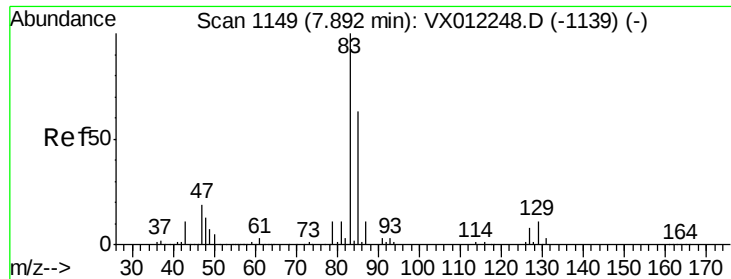


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 57.642 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA\_X

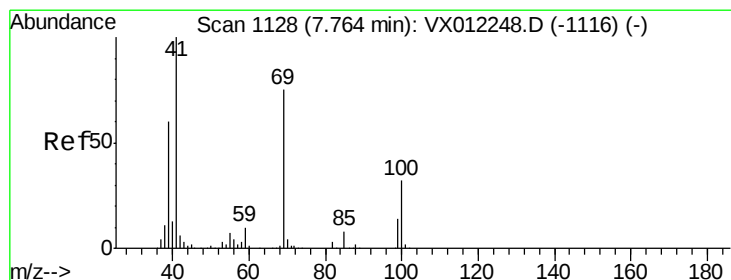
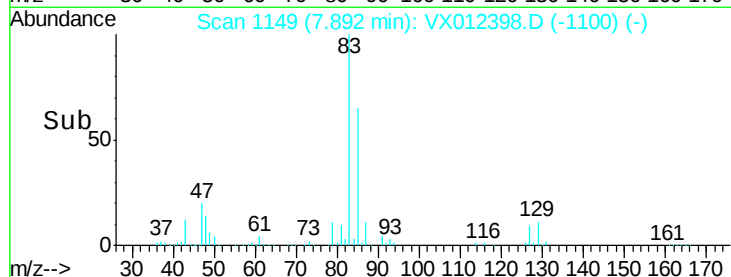
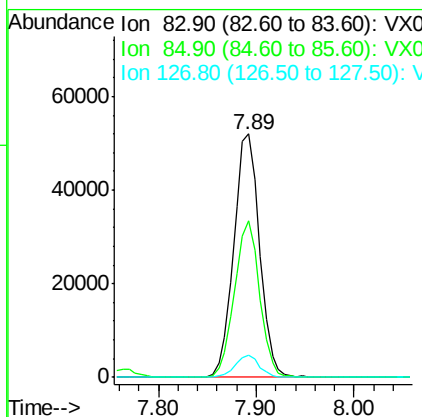
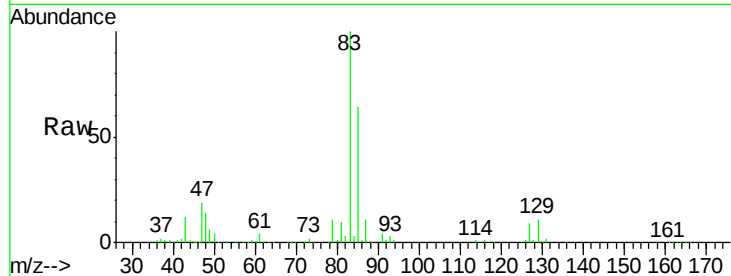
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 95308 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.5  | 50.2  | 75.4  |
| 127      | 9.1   | 6.3   | 9.5   |

Manual Integrations  
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#48

Methyl methacrylate

Concen: 61.103 ug/l

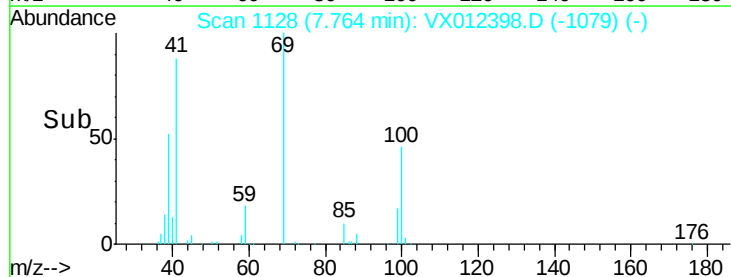
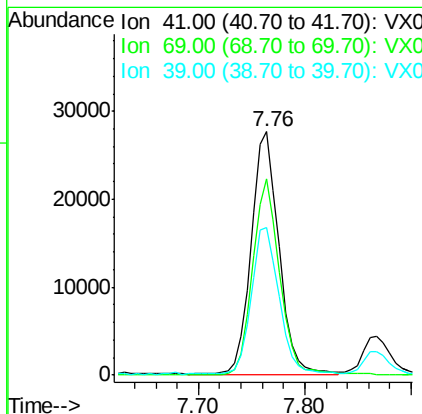
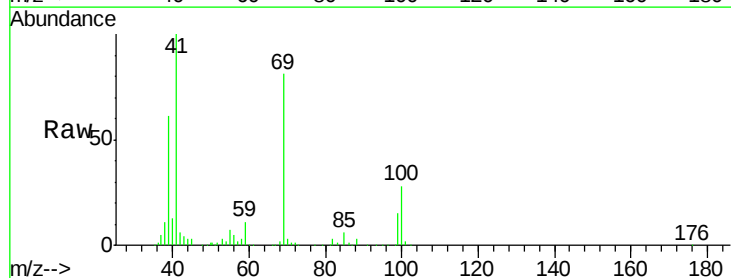
RT: 7.76 min Scan# 1128

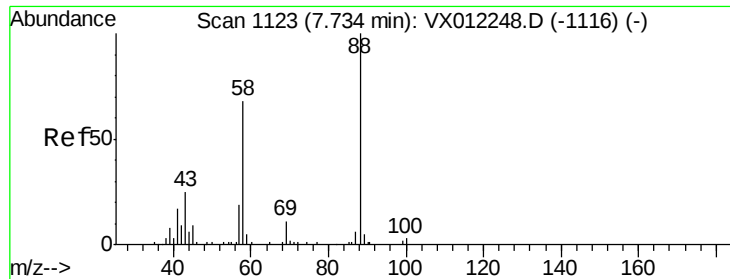
Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 50441 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 78.7  | 61.8  | 92.6  |
| 39       | 60.4  | 48.6  | 73.0  |





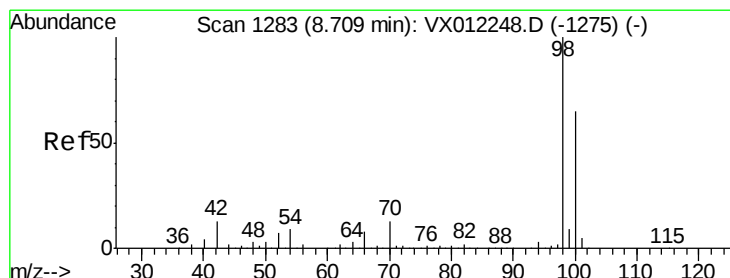
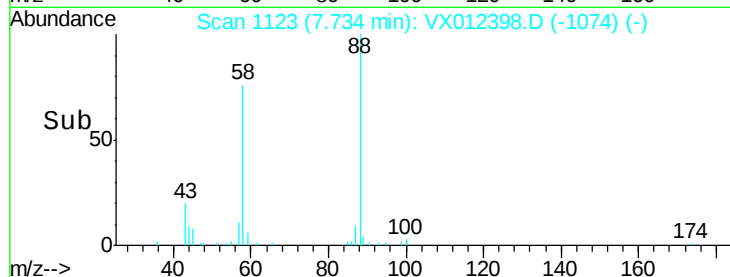
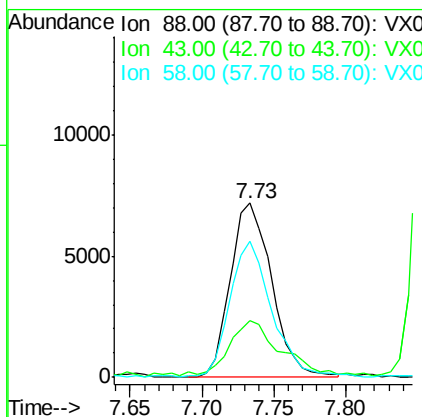
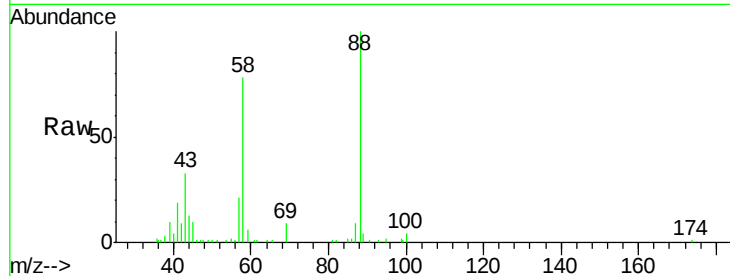
#49  
1,4-Dioxane  
Concen: 1301.077 ug/l  
RT: 7.73 min Scan# 1123  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 43.5  | 31.0  | 46.4  |
| 58      | 79.1  | 61.5  | 92.3  |

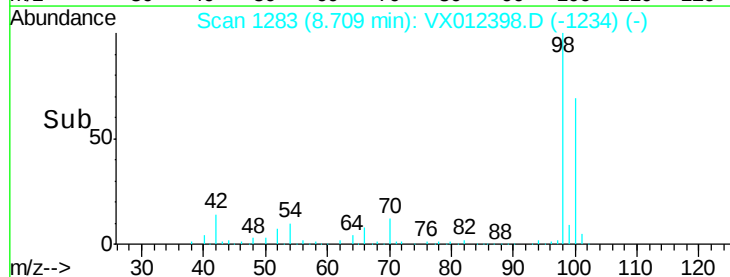
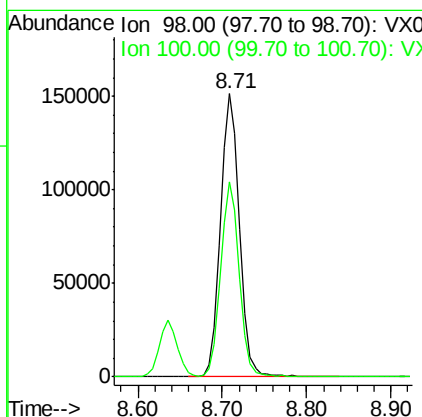
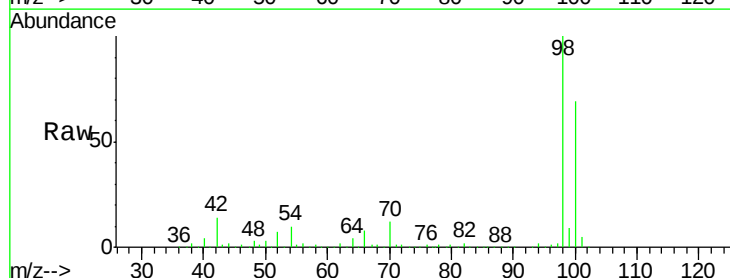
Manual Integrations  
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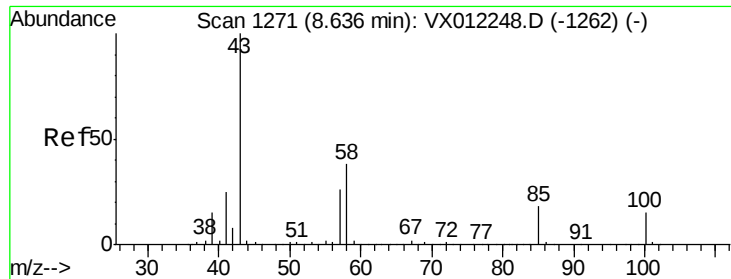
MMDadoda  
9/16/2019 1:13:10 AM



#50  
Toluene-d8  
Concen: 57.959 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 68.0  | 54.1  | 81.1  |





#51

4-Methyl-2-Pentanone

Concen: 321.797 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 292905

Ion Ratio Lower Upper

43 100

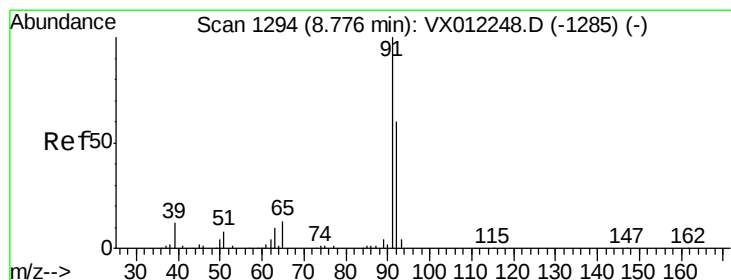
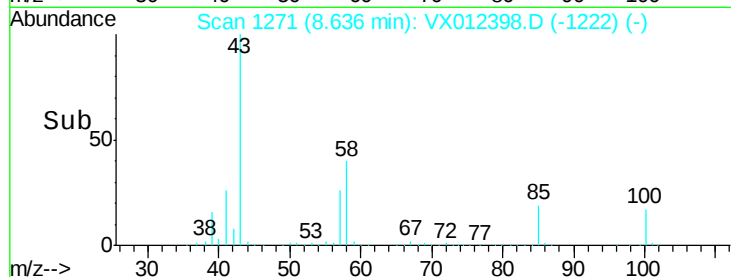
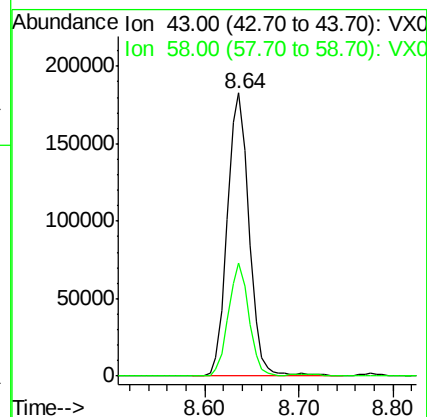
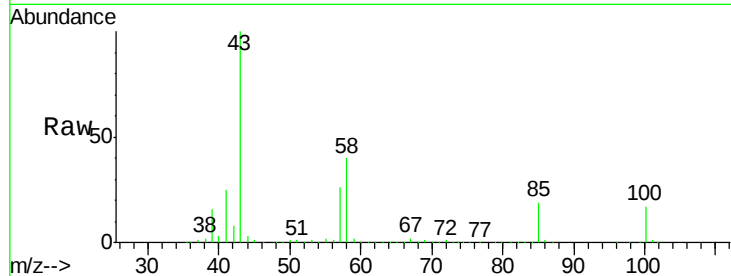
58 37.8 30.1 45.1

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#52

Toluene

Concen: 58.662 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX012398.D

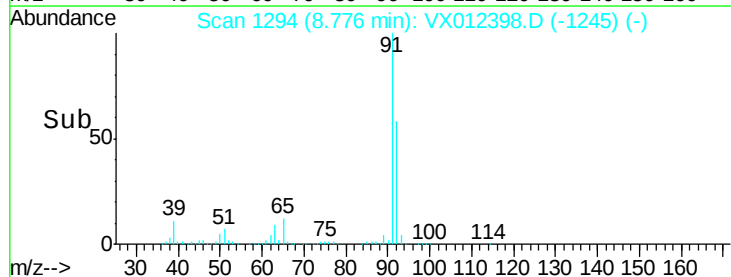
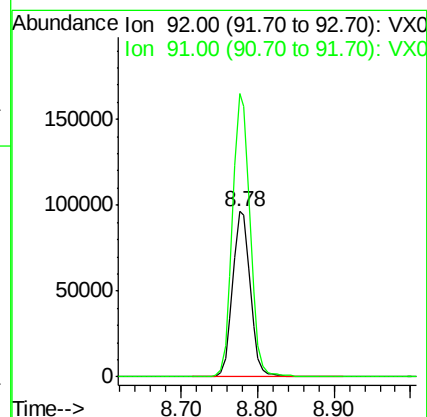
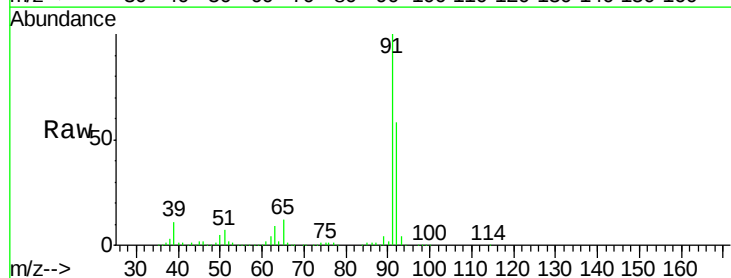
Acq: 13 Sep 2019 20:33

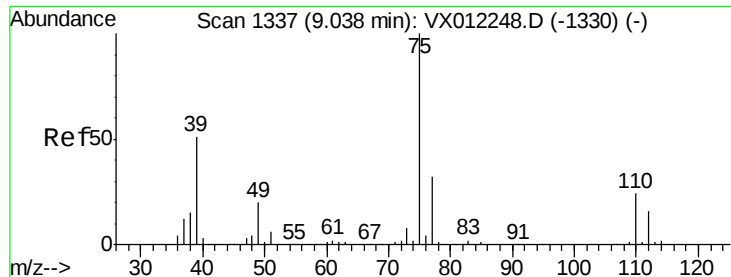
Tgt Ion: 92 Resp: 155185

Ion Ratio Lower Upper

92 100

91 169.8 133.6 200.4





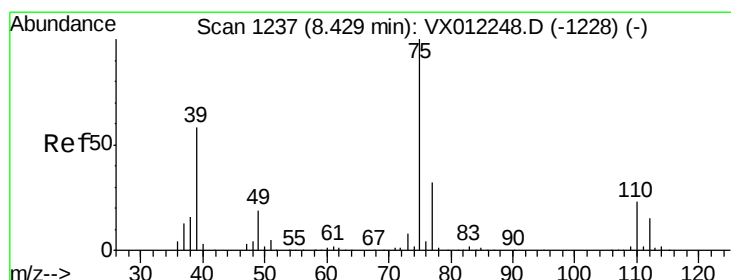
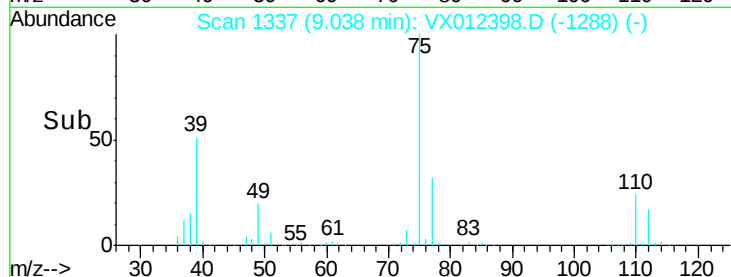
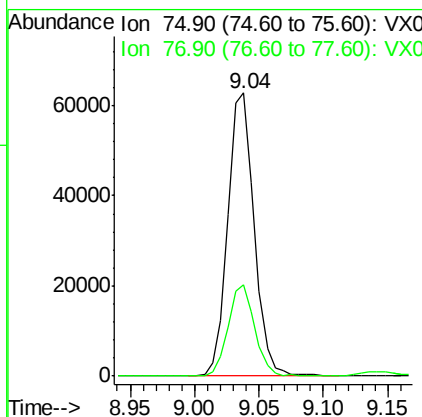
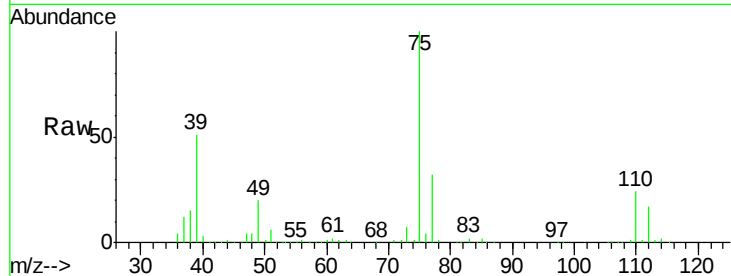
#53  
t-1,3-Dichloropropene  
Concen: 55.009 ug/l  
RT: 9.04 min Scan# 1337  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 75 Resp: 90782  
Ion Ratio Lower Upper  
75 100  
77 32.3 25.8 38.6

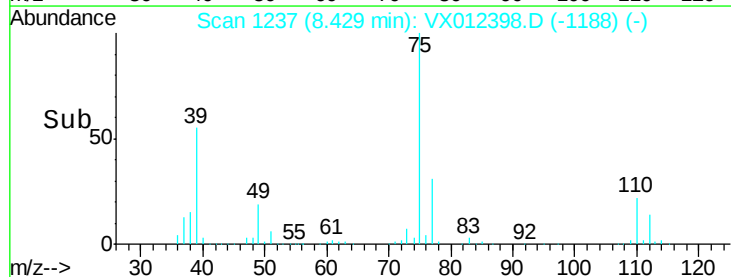
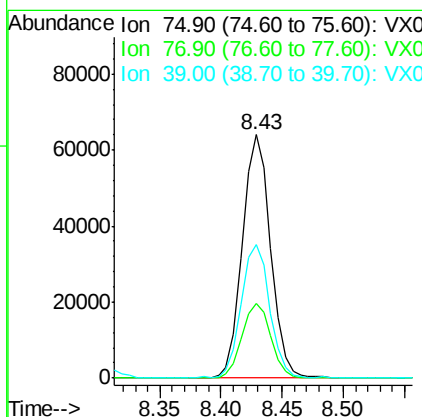
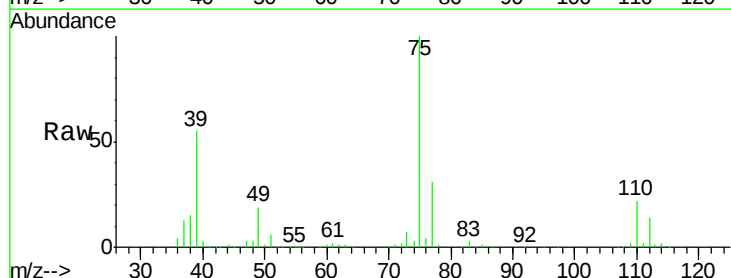
Manual Integrations  
APPROVED

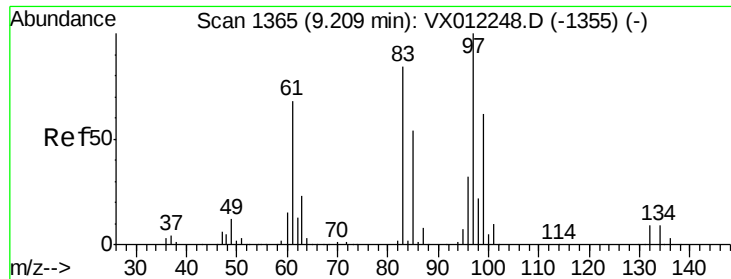
MMDadoda  
9/16/2019 1:13:10 AM



#54  
cis-1,3-Dichloropropene  
Concen: 55.886 ug/l  
RT: 8.43 min Scan# 1237  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Tgt Ion: 75 Resp: 102271  
Ion Ratio Lower Upper  
75 100  
77 30.9 25.4 38.2  
39 54.5 46.5 69.7





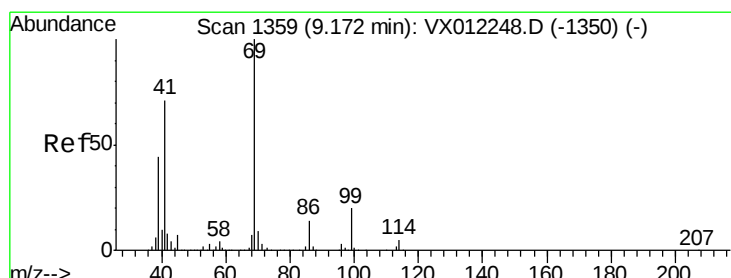
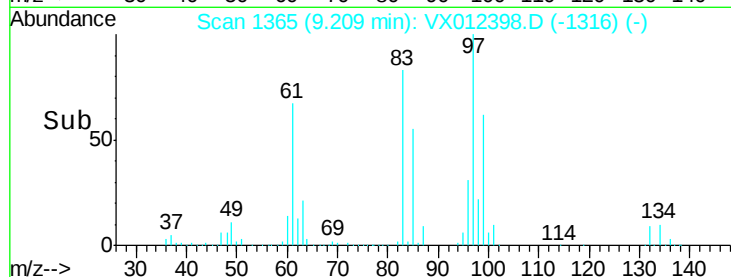
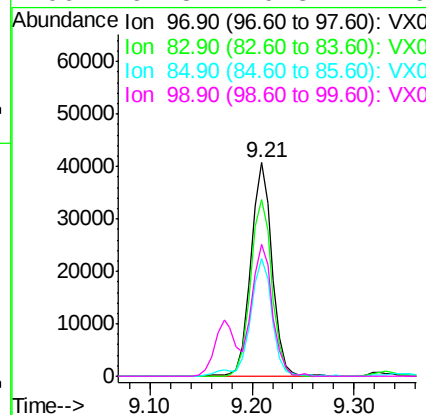
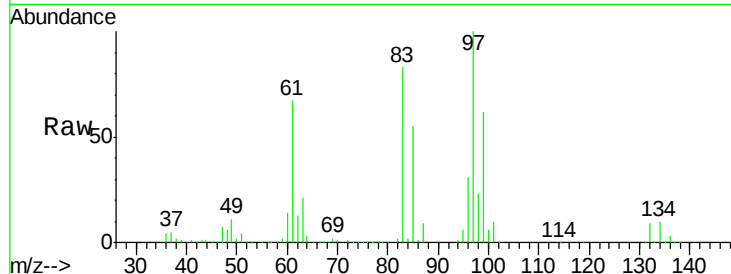
#55  
 1,1,2-Trichloroethane  
 Concen: 62.675 ug/l  
 RT: 9.21 min Scan# 1365  
 Delta R.T. 0.00 min  
 Lab File: VX012398.D  
 Acq: 13 Sep 2019 20:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 58832 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 82.8  | 67.4  | 101.2 |
| 85       | 55.1  | 43.4  | 65.2  |
| 99       | 61.8  | 49.8  | 74.6  |

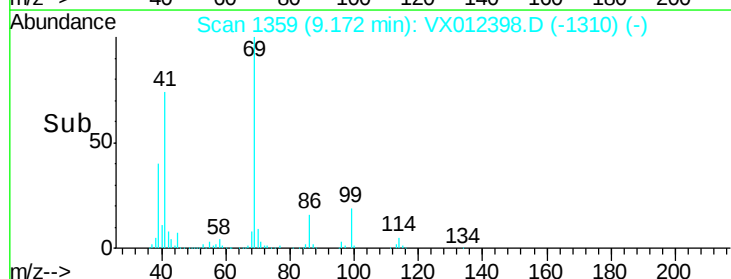
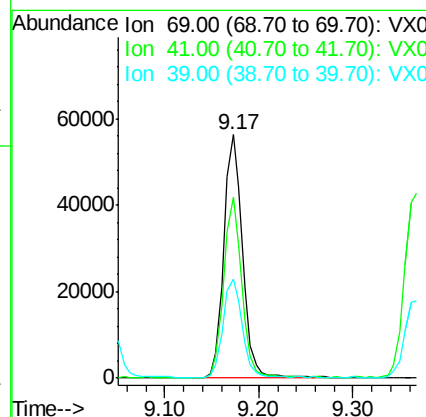
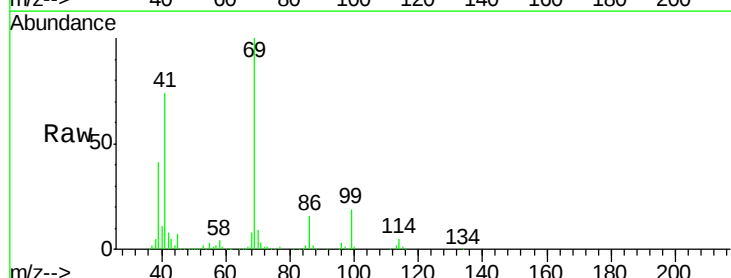
Manual Integrations  
 APPROVED

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 9/16/2019 1:13:10 AM



#56  
 Ethyl methacrylate  
 Concen: 61.204 ug/l  
 RT: 9.17 min Scan# 1359  
 Delta R.T. 0.00 min  
 Lab File: VX012398.D  
 Acq: 13 Sep 2019 20:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 77787 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 72.1  | 57.7  | 86.5  |
| 39       | 41.1  | 34.0  | 51.0  |





#57

1,3-Dichloropropane

Concen: 59.712 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 95731

Ion Ratio Lower Upper

76 100

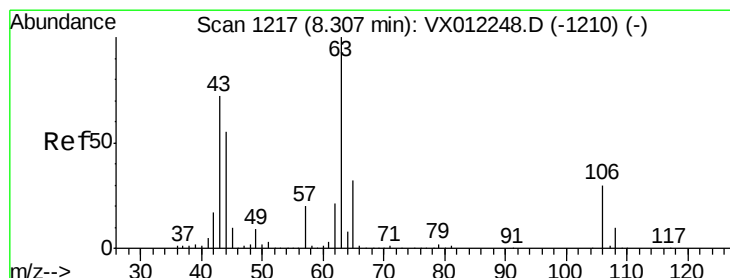
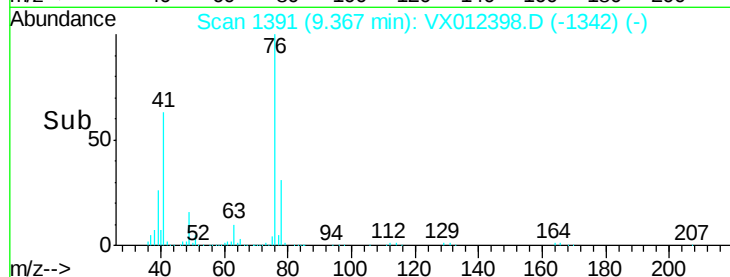
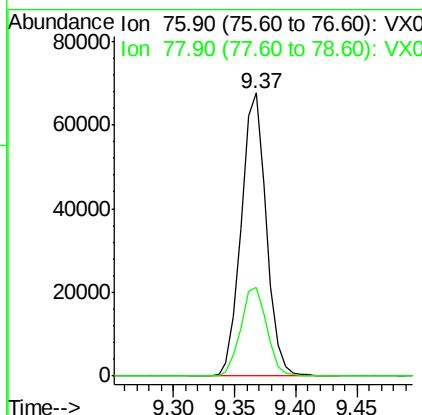
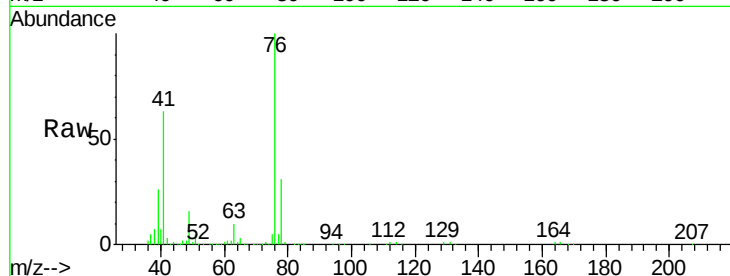
78 32.9 26.0 39.0

Manual Integrations

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MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 284.363 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012398.D

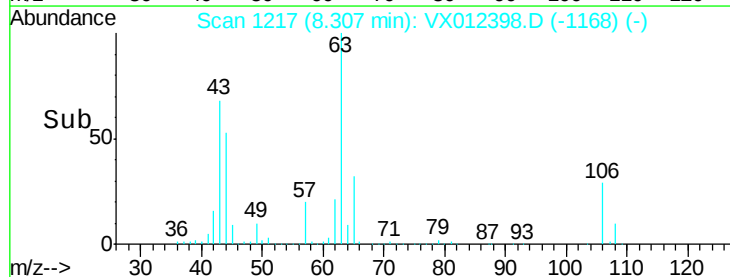
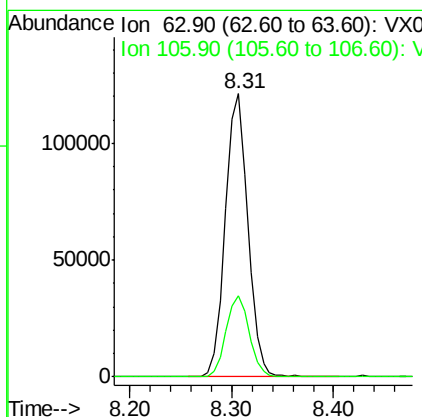
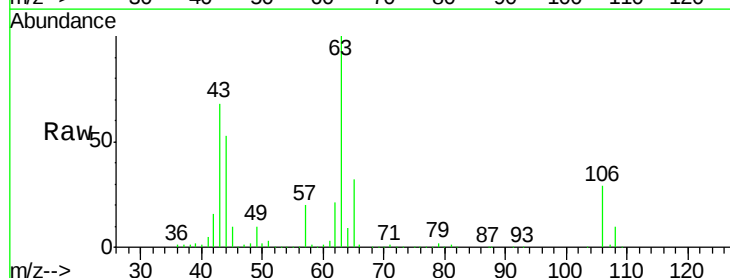
Acq: 13 Sep 2019 20:33

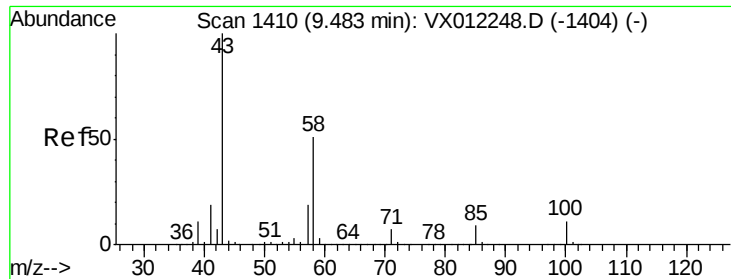
Tgt Ion: 63 Resp: 185233

Ion Ratio Lower Upper

63 100

106 29.6 23.4 35.2





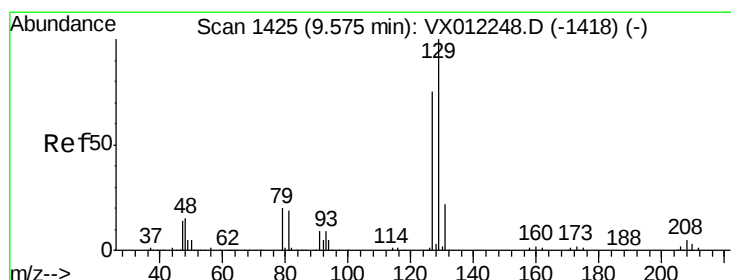
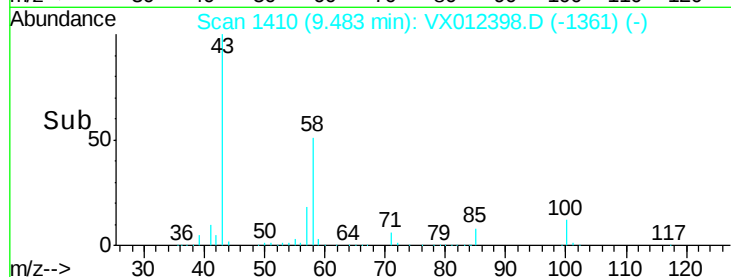
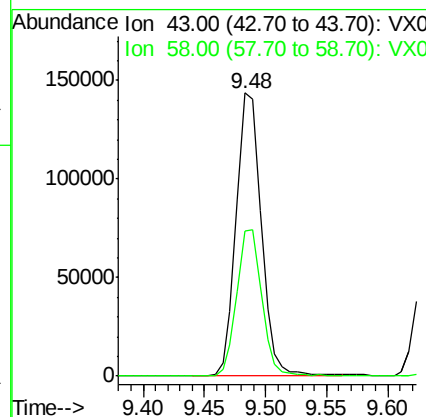
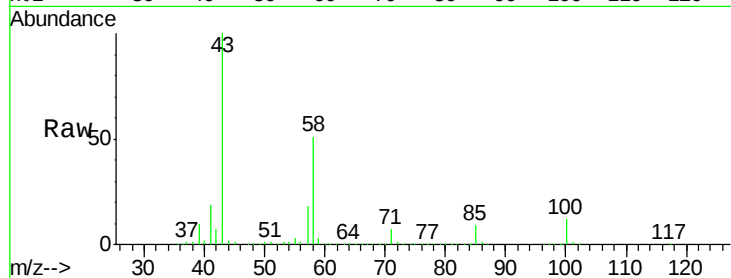
#59  
2-Hexanone  
Concen: 321.800 ug/l  
RT: 9.48 min Scan# 1410  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 203661  
Ion Ratio Lower Upper  
43 100  
58 52.2 25.8 77.3

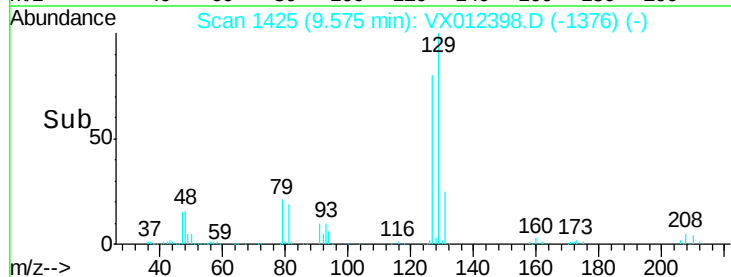
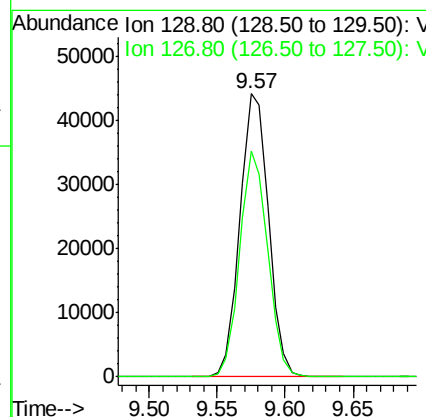
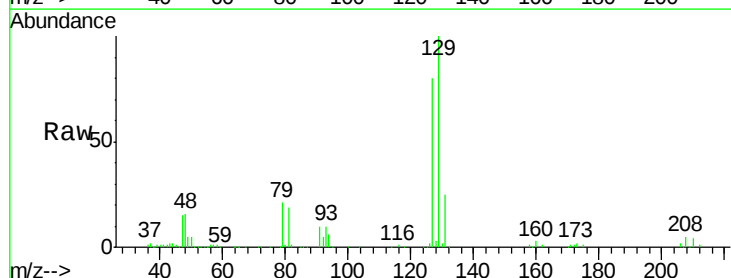
Manual Integrations  
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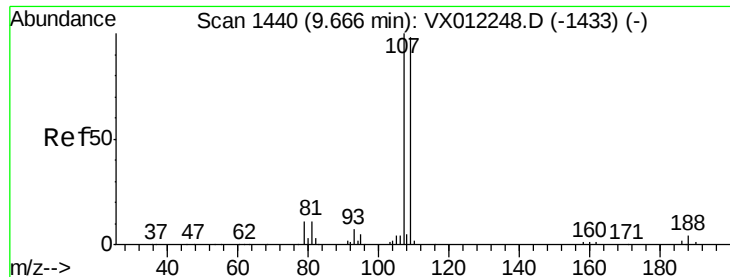
MMDadoda  
9/16/2019 1:13:10 AM



#60  
Dibromochloromethane  
Concen: 59.158 ug/l  
RT: 9.57 min Scan# 1425  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Tgt Ion:129 Resp: 64827  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 62.600 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 54698

Ion Ratio Lower Upper

107 100

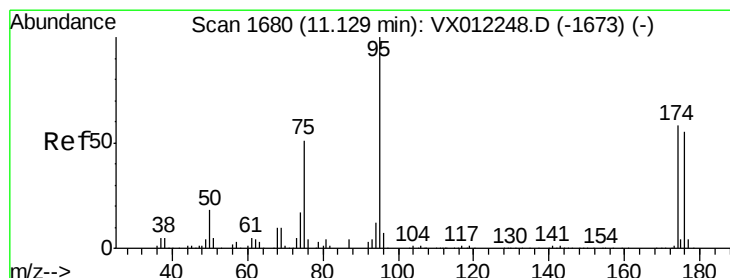
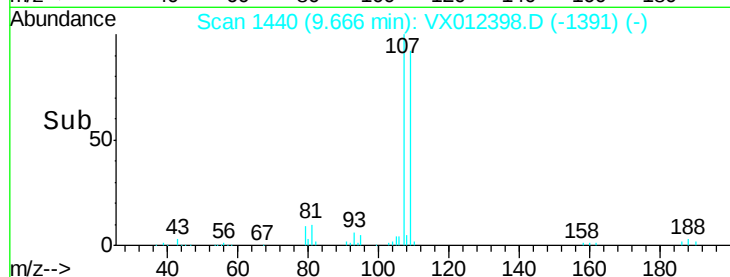
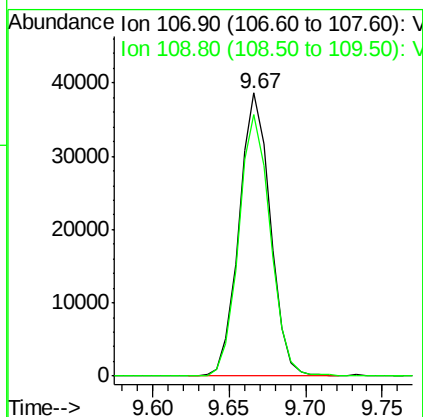
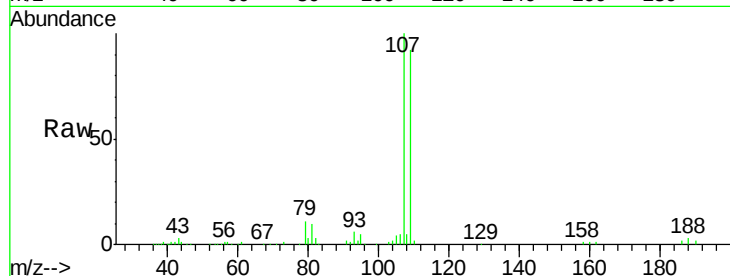
109 93.7 76.3 114.5

Manual Integrations

APPROVED

MMDadoda

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#62

4-Bromofluorobenzene

Concen: 52.343 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

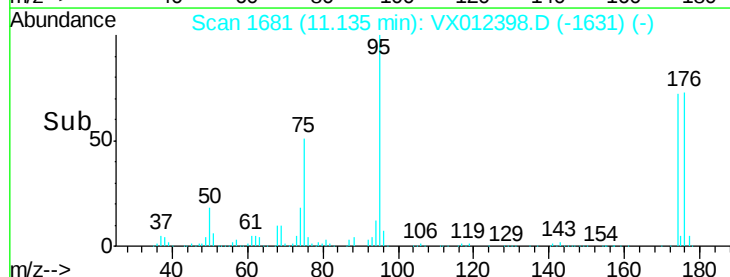
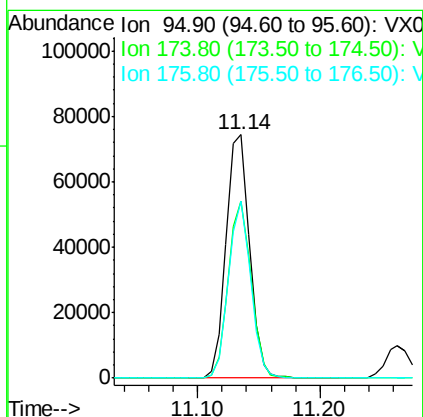
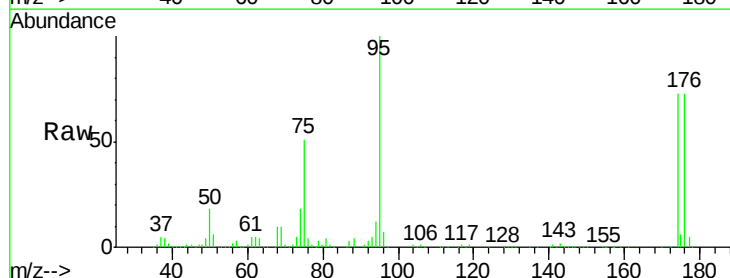
Tgt Ion: 95 Resp: 99015

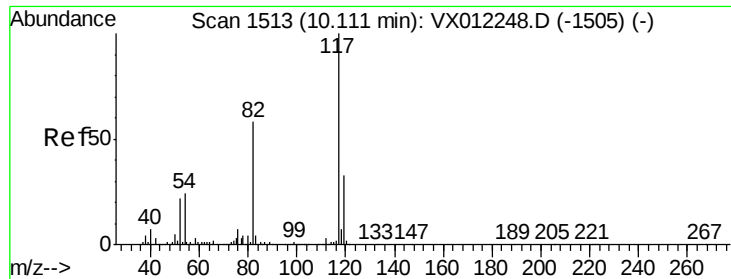
Ion Ratio Lower Upper

95 100

174 70.6 0.0 127.0

176 68.6 0.0 125.8





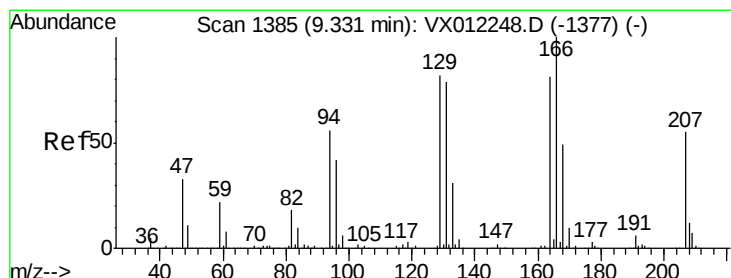
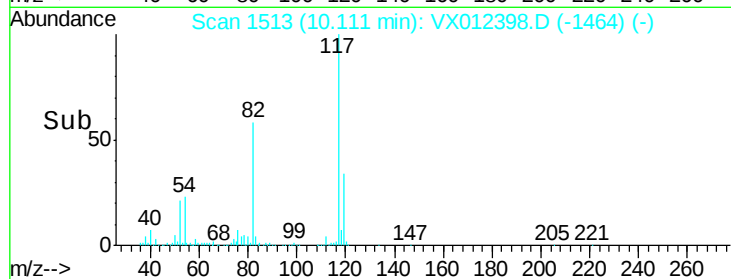
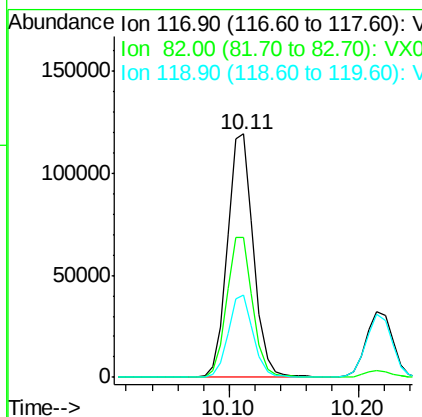
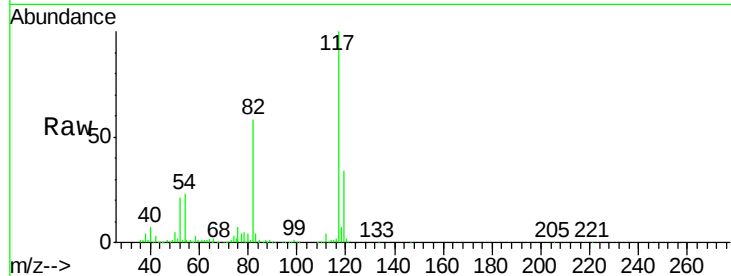
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 168539 |       |       |
| 82      | 57.7  | 46.4   | 69.6  |       |
| 119     | 33.8  | 26.6   | 39.8  |       |

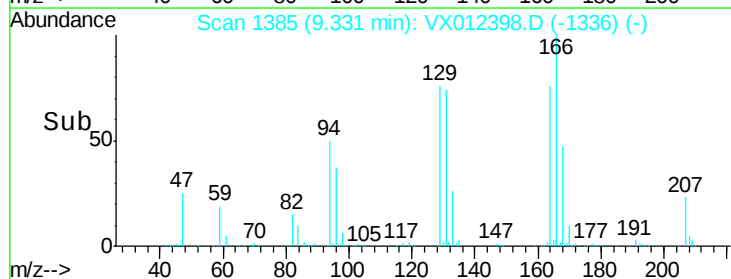
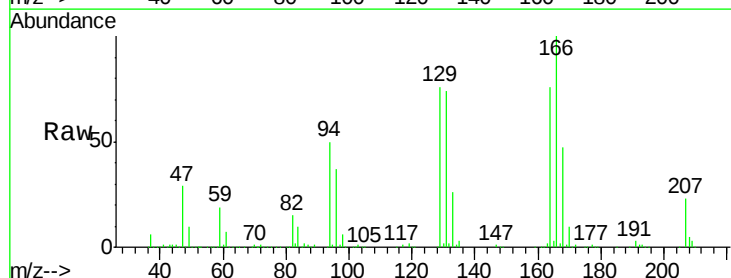
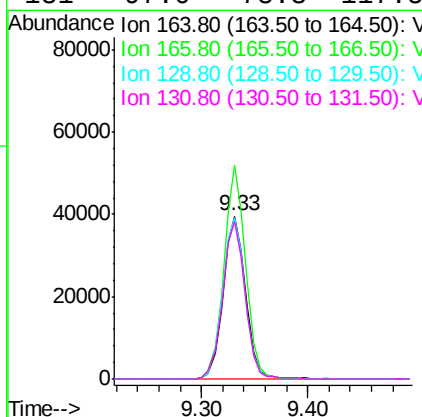
Manual Integrations  
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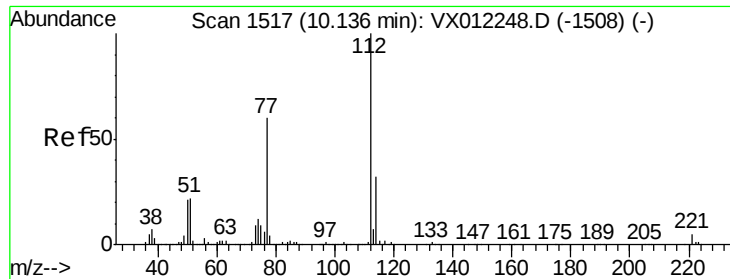
MMDadoda  
9/16/2019 1:13:10 AM



#64  
Tetrachloroethene  
Concen: 64.781 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 57742 |       |       |
| 166     | 131.4 | 99.4  | 149.0 |       |
| 129     | 99.4  | 81.8  | 122.8 |       |
| 131     | 97.0  | 78.3  | 117.5 |       |





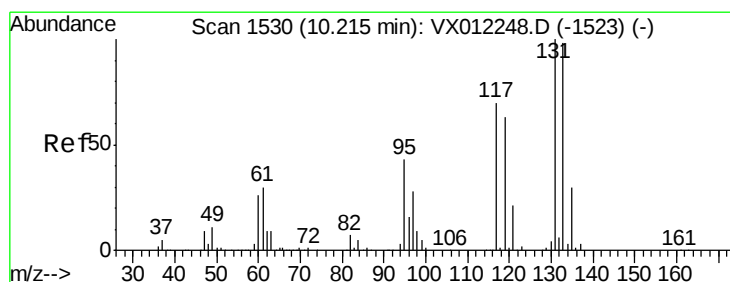
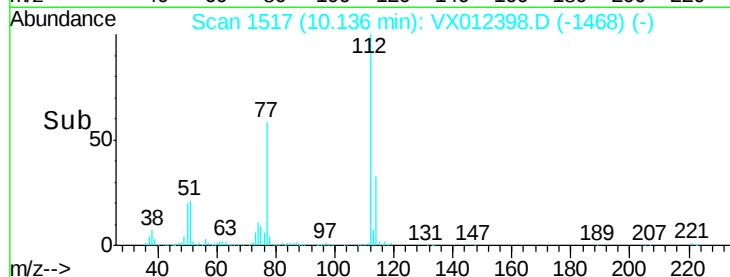
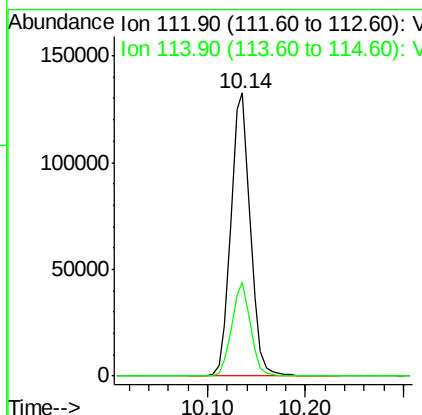
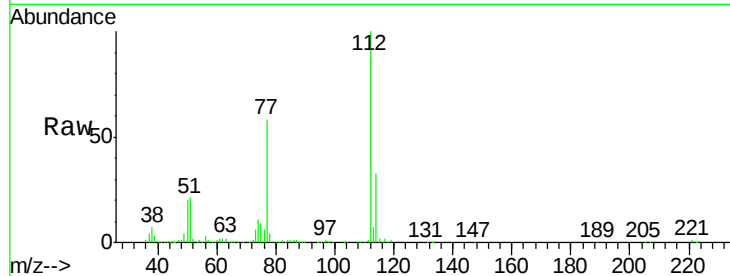
#65  
Chlorobenzene  
Concen: 59.192 ug/l  
RT: 10.14 min Scan# 1517  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 33.1  | 25.4  | 38.0  |

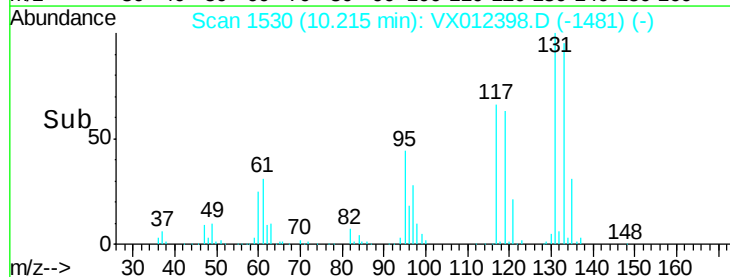
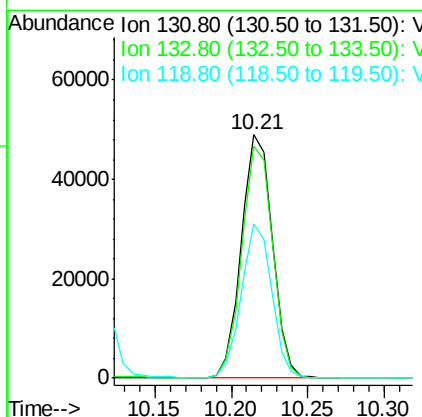
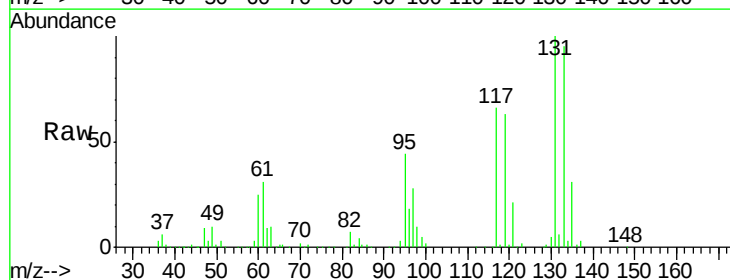
Manual Integrations  
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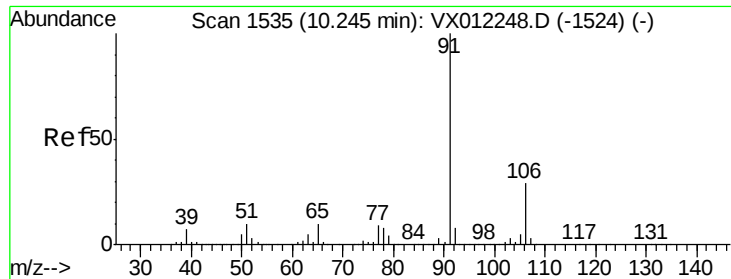
MMDadoda  
9/16/2019 1:13:10 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 59.652 ug/l  
RT: 10.21 min Scan# 1530  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 94.5  | 48.0  | 144.2 |
| 119     | 62.1  | 31.6  | 95.0  |





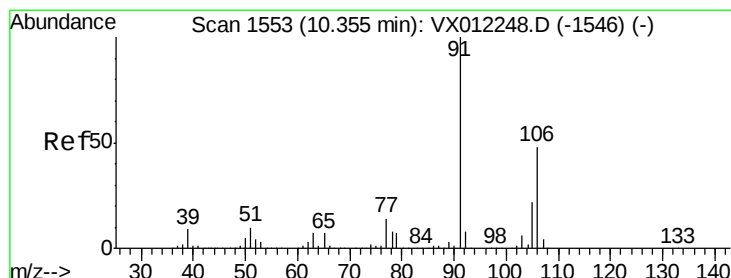
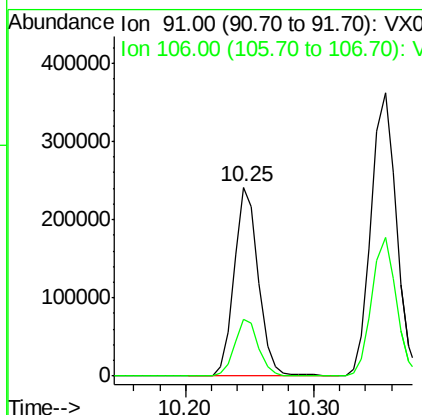
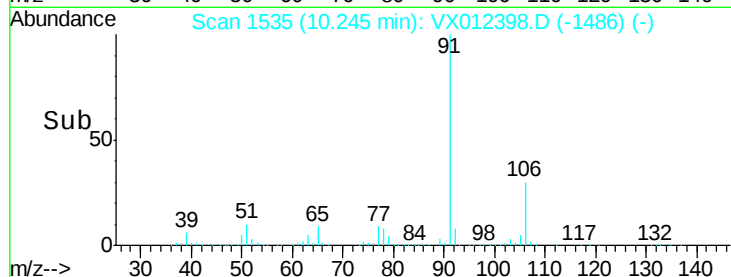
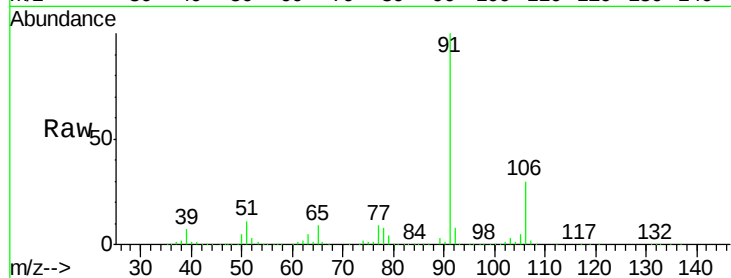
#67  
Ethyl Benzene  
Concen: 57.976 ug/l  
RT: 10.25 min Scan# 1535  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 317542  
Ion Ratio Lower Upper  
91 100  
106 29.9 23.1 34.7

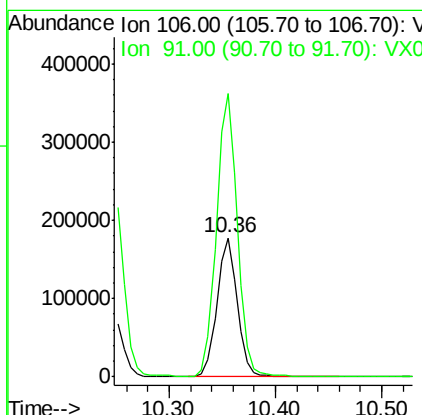
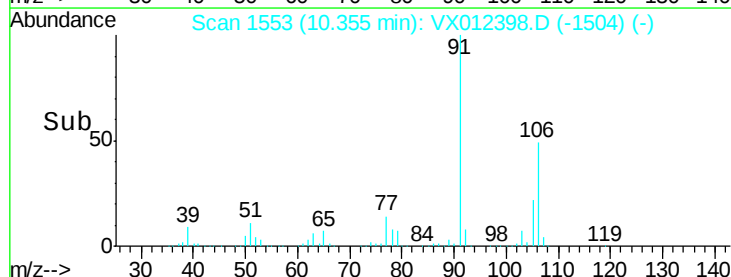
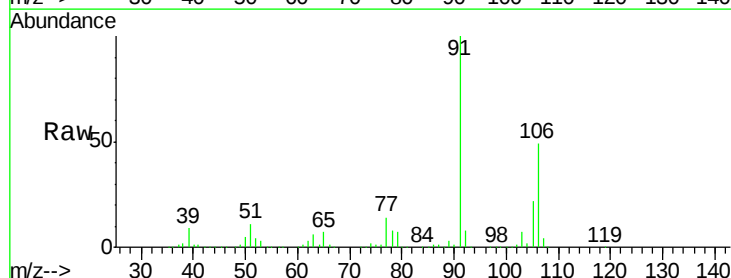
Manual Integrations  
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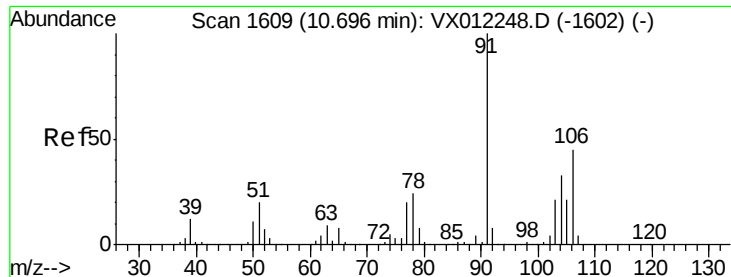
MMDadoda  
9/16/2019 1:13:10 AM



#68  
m/p-Xylenes  
Concen: 116.891 ug/l  
RT: 10.36 min Scan# 1553  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Tgt Ion: 106 Resp: 235676  
Ion Ratio Lower Upper  
106 100  
91 208.5 167.0 250.6





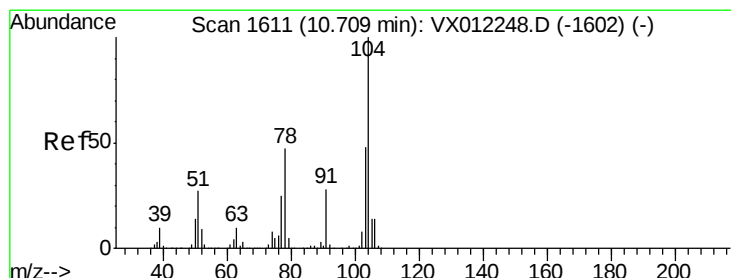
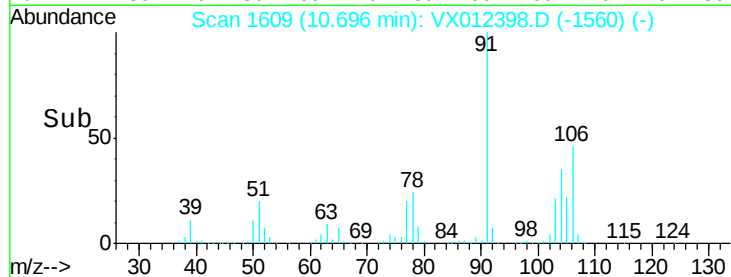
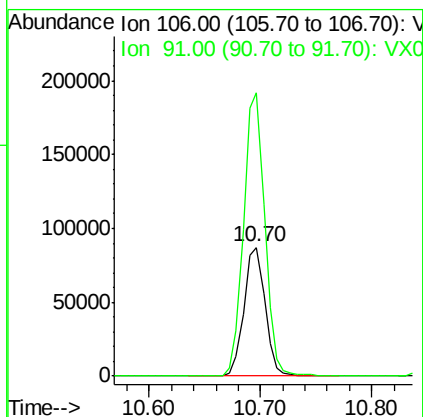
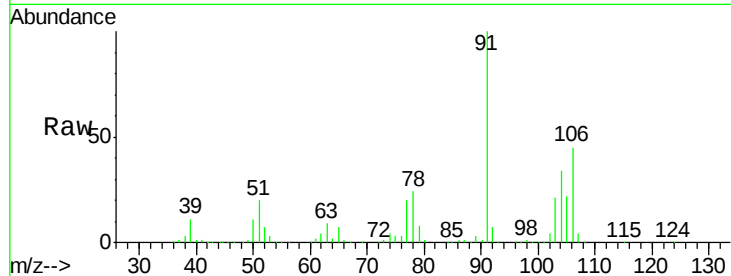
#69  
o-Xylene  
Concen: 58.553 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:106 Resp: 115648  
Ion Ratio Lower Upper  
106 100  
91 219.4 110.5 331.4

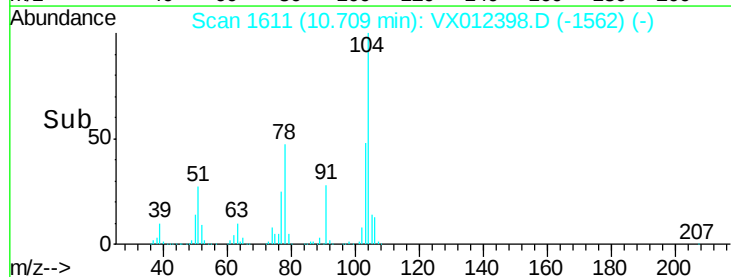
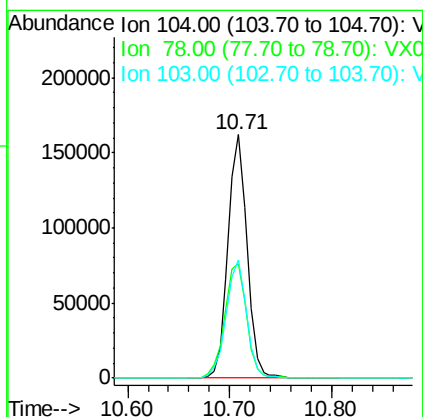
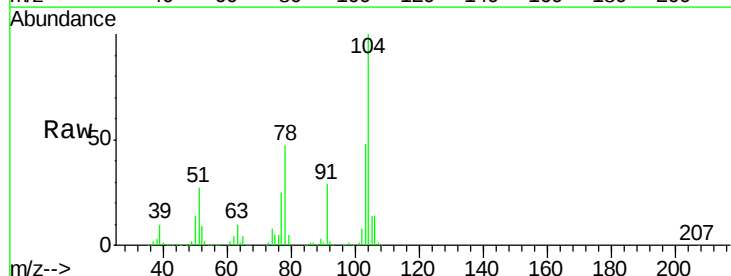
Manual Integrations  
APPROVED

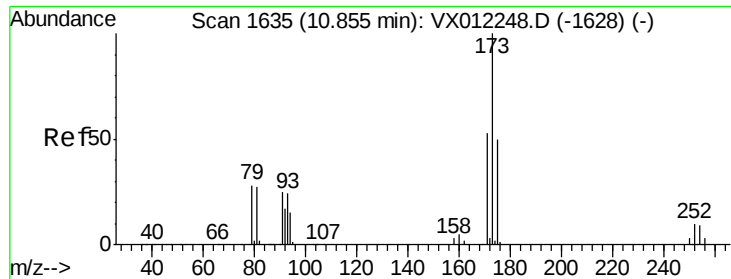
MMDadoda  
9/16/2019 1:13:10 AM



#70  
Styrene  
Concen: 59.928 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Tgt Ion:104 Resp: 209917  
Ion Ratio Lower Upper  
104 100  
78 54.1 44.2 66.2  
103 52.2 42.5 63.7





#71

Bromoform

Concen: 59.637 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 35900

Ion Ratio Lower Upper

173 100

175 50.1 24.5 73.5

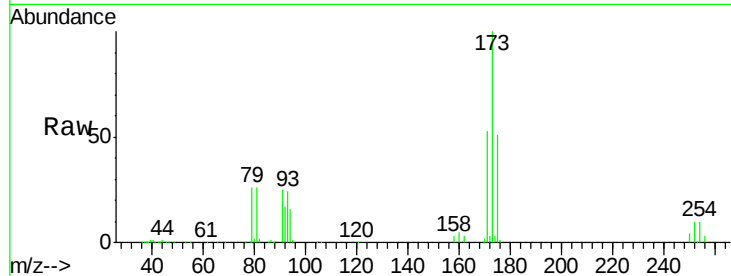
254 0.1 0.2 0.4#

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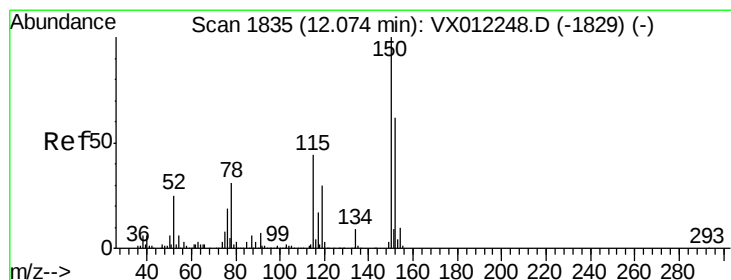
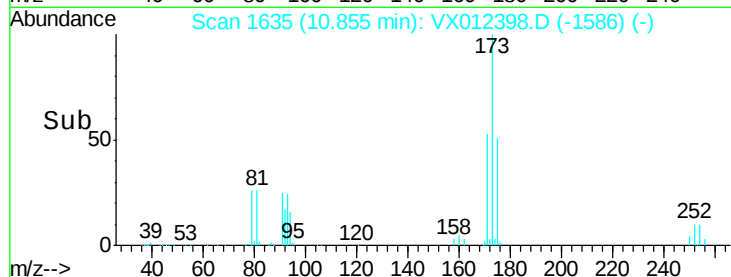
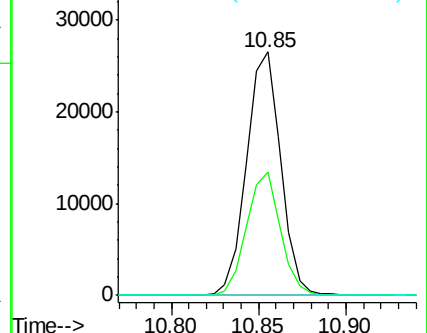
9/16/2019 1:13:10 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

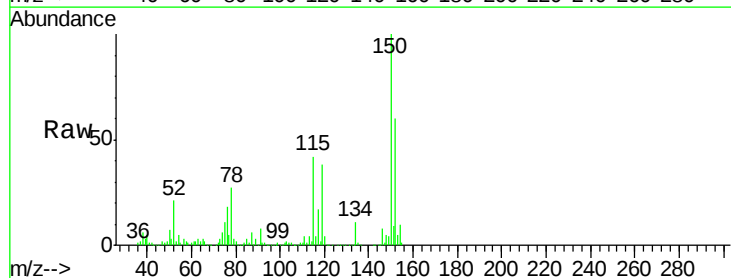
Tgt Ion:152 Resp: 88014

Ion Ratio Lower Upper

152 100

115 91.6 45.5 136.4

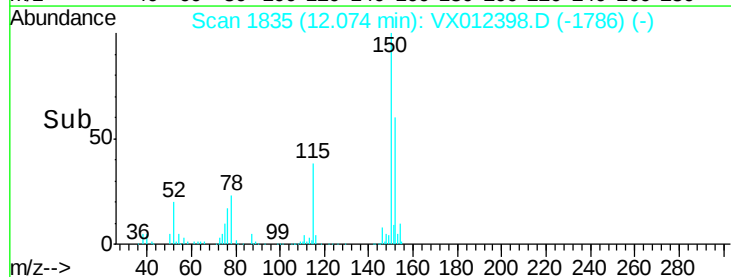
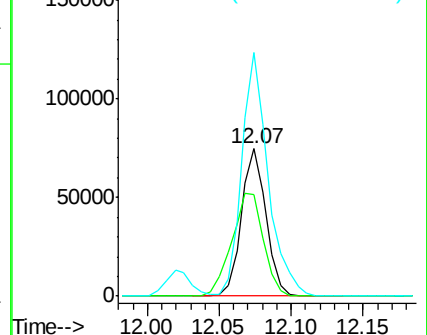
150 179.0 0.0 346.4

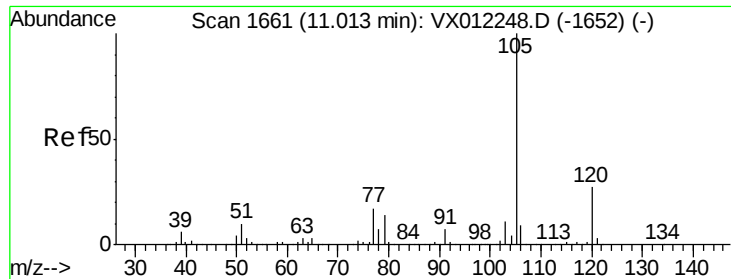


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.654 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 322470

Ion Ratio Lower Upper

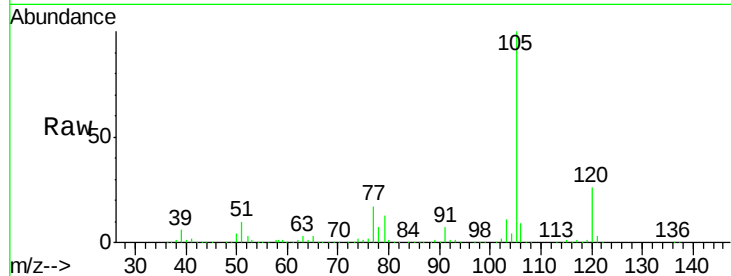
105 100

120 26.5 13.2 39.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

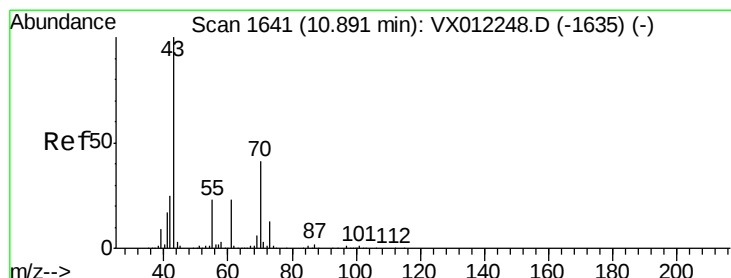
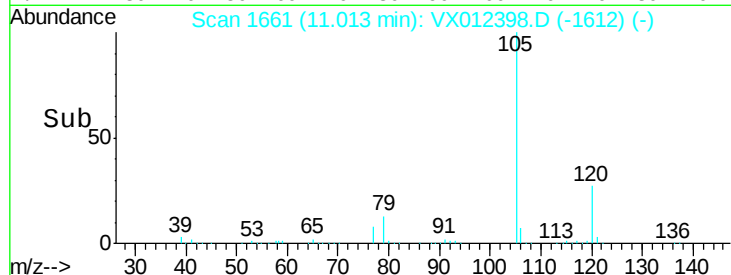
150000

100000

50000

0

Time--> 10.90 11.01 11.10



#74

N-ethyl acetate

Concen: 56.238 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Tgt Ion: 43 Resp: 96887

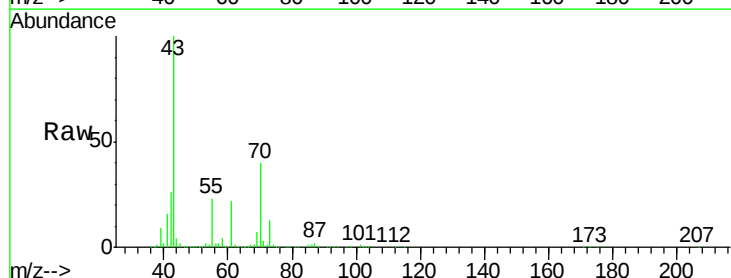
Ion Ratio Lower Upper

43 100

70 41.1 32.9 49.3

55 24.1 19.1 28.7

61 23.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

120000

100000

80000

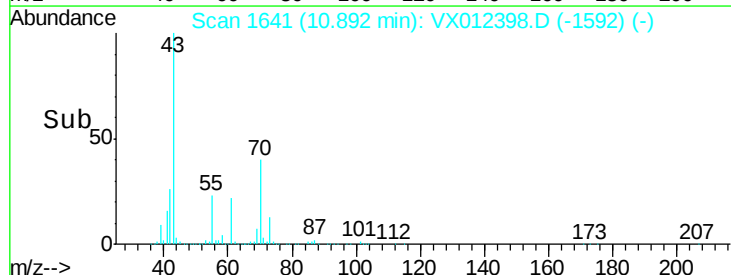
60000

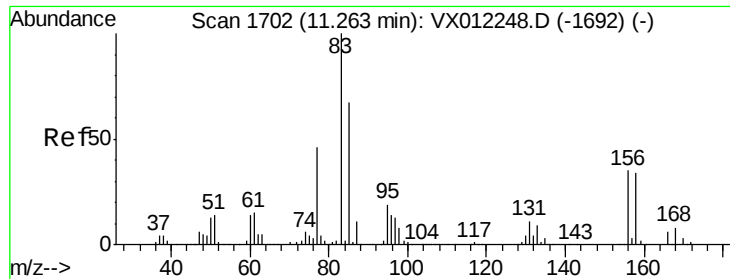
40000

20000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 61.426 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 76438

Ion Ratio Lower Upper

83 100

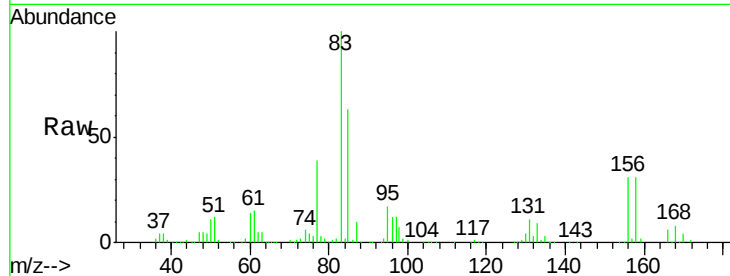
131 10.4 5.5 16.4

85 63.4 32.8 98.4

Manual Integrations  
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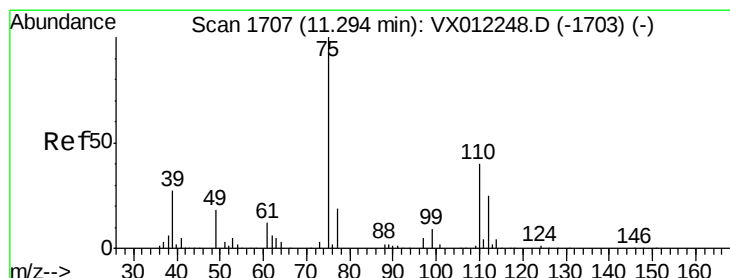
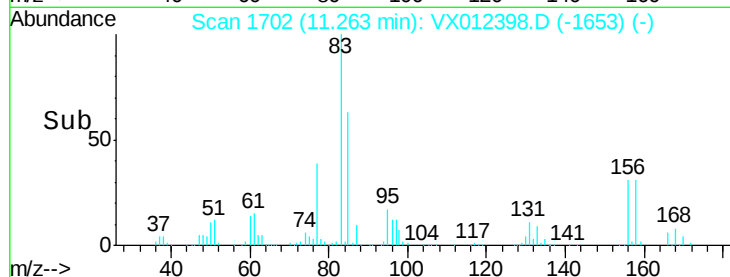
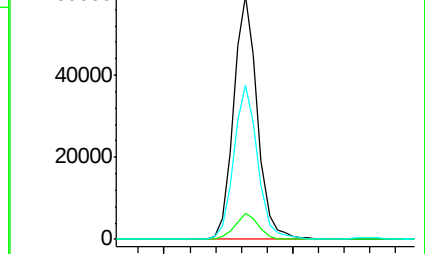
9/16/2019 1:13:10 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 58.938 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012398.D

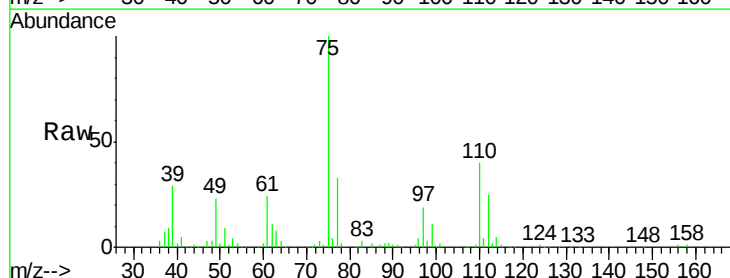
Acq: 13 Sep 2019 20:33

Tgt Ion: 75 Resp: 66639

Ion Ratio Lower Upper

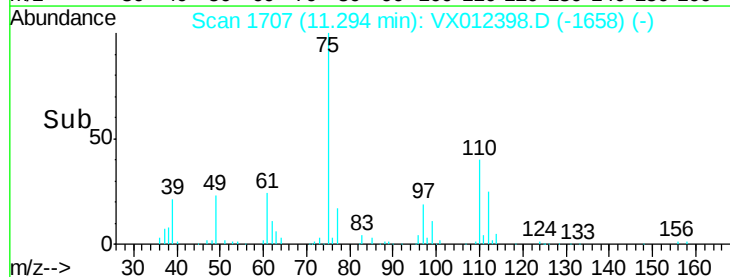
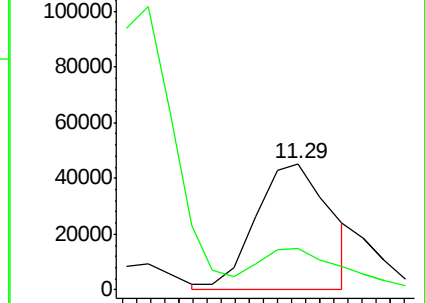
75 100

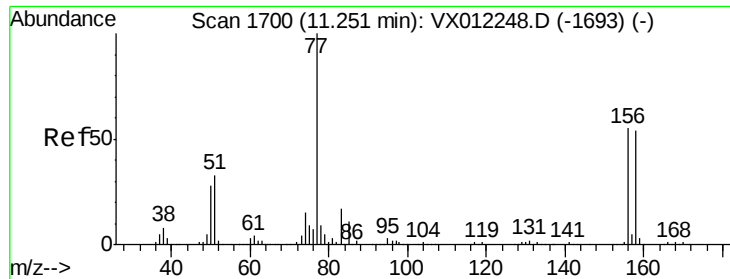
77 37.9 19.7 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 57.859 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA\_X

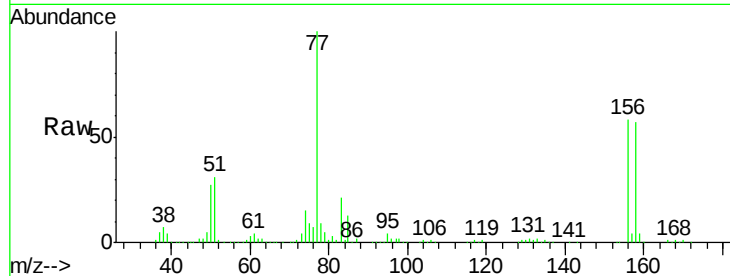
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 156   | Resp: | 77186 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 175.7 | 92.2  | 276.6 |
| 158       | 97.5  | 48.8  | 146.3 |

Manual Integrations  
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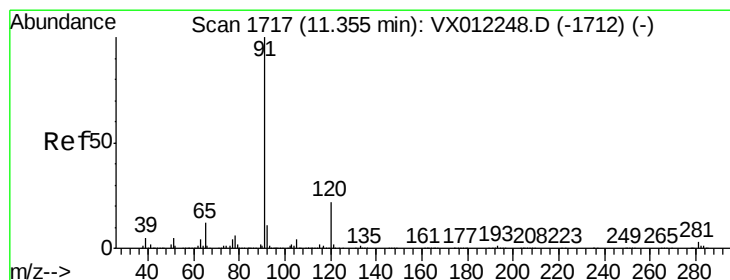
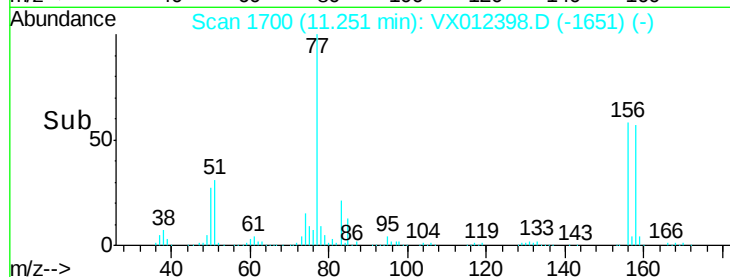
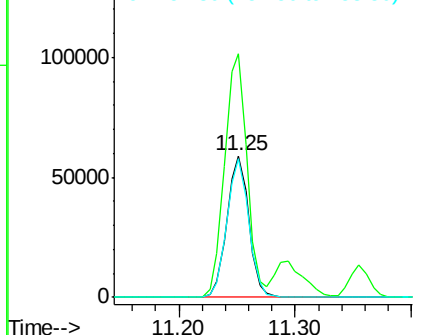
MMDadoda  
9/16/2019 1:13:10 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.824 ug/l

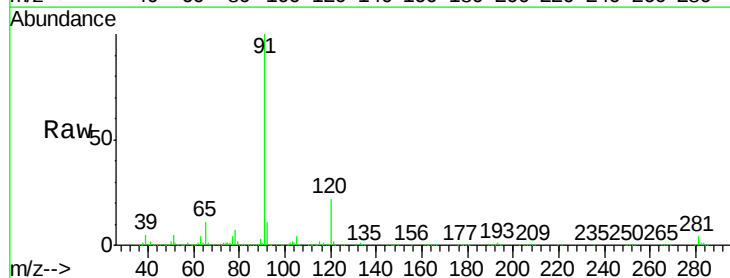
RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012398.D

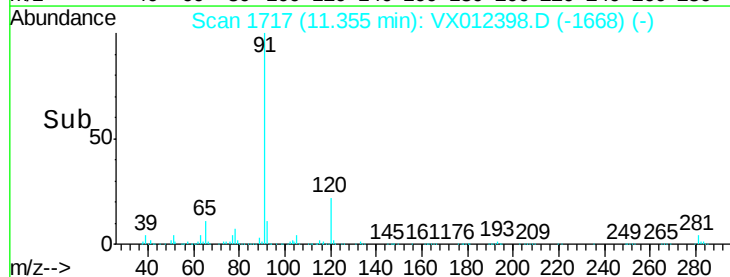
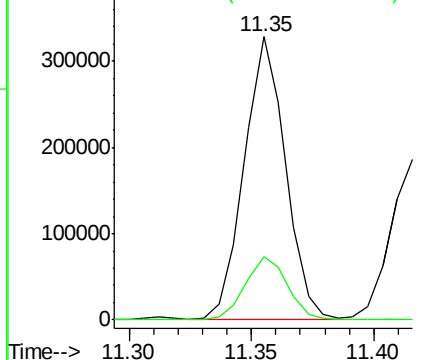
Acq: 13 Sep 2019 20:33

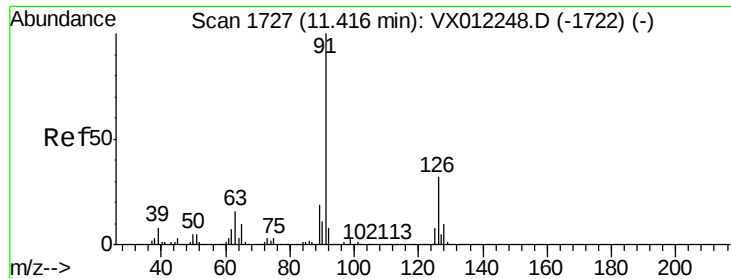
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 383609 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.8  | 11.2  | 33.6   |



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





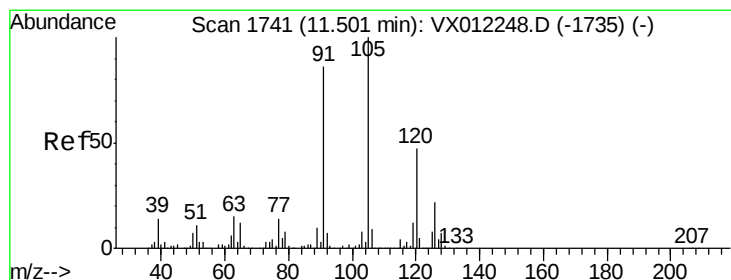
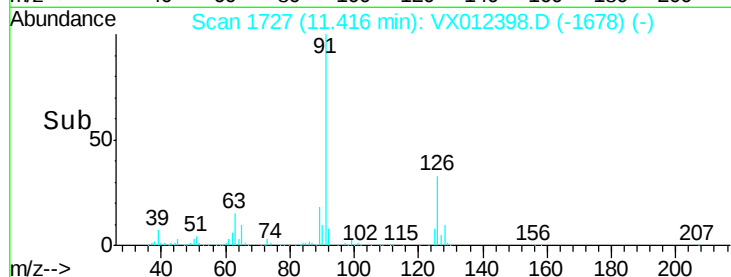
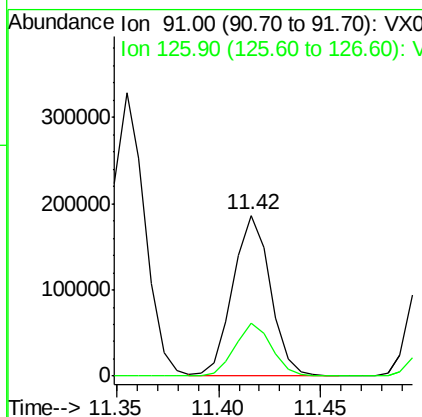
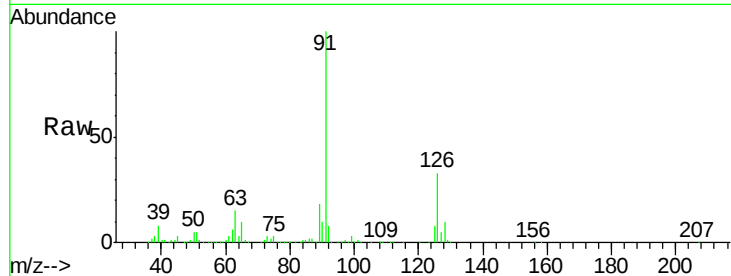
#79  
 2-Chlorotoluene  
 Concen: 54.417 ug/l  
 RT: 11.42 min Scan# 1727  
 Delta R.T. 0.00 min  
 Lab File: VX012398.D  
 Acq: 13 Sep 2019 20:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.5  | 15.9  | 47.7  |

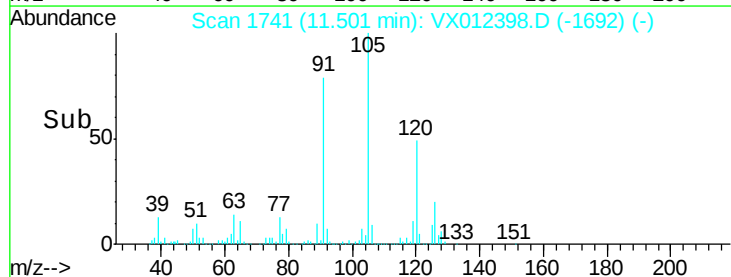
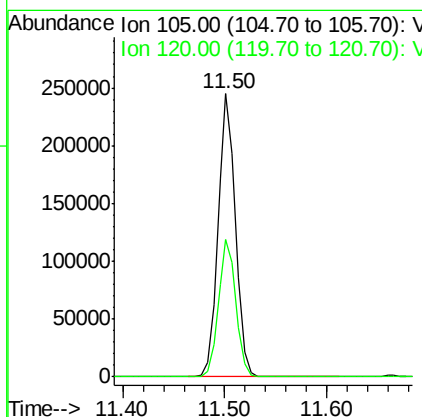
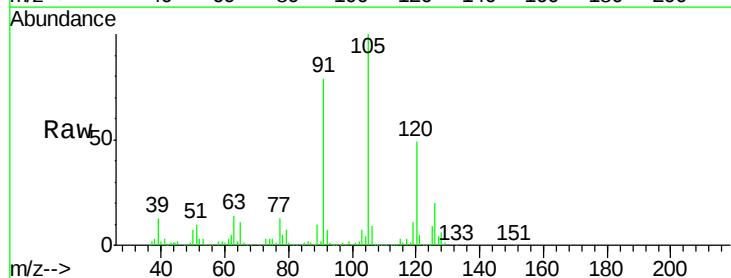
Manual Integrations  
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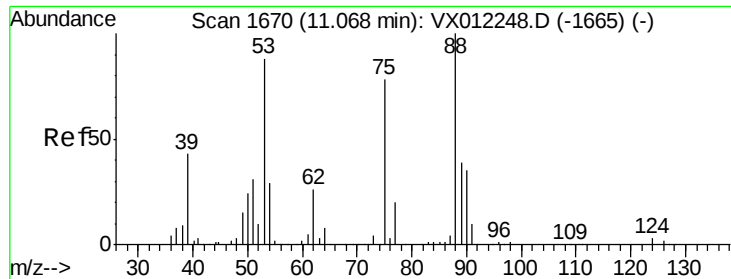
MMDadoda  
 9/16/2019 1:13:10 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 56.217 ug/l  
 RT: 11.50 min Scan# 1741  
 Delta R.T. 0.00 min  
 Lab File: VX012398.D  
 Acq: 13 Sep 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 48.7  | 23.7  | 71.1  |





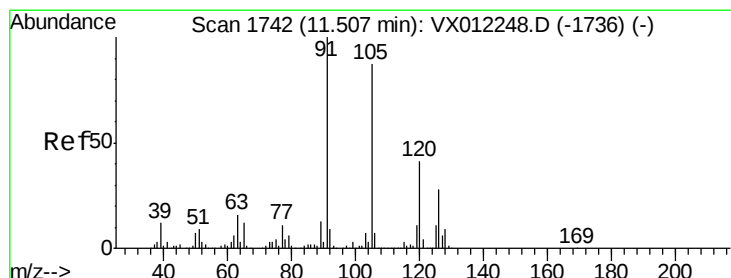
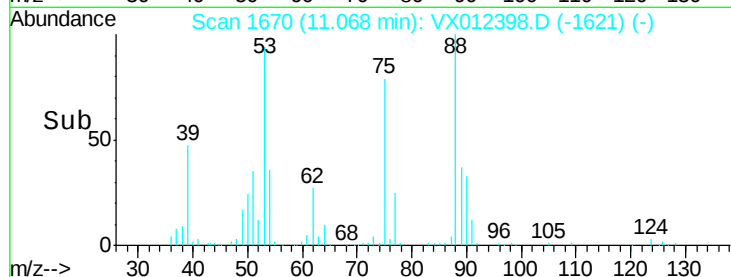
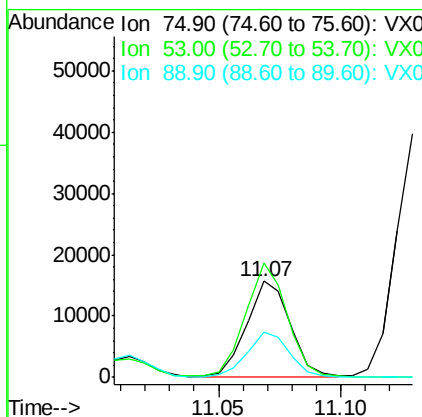
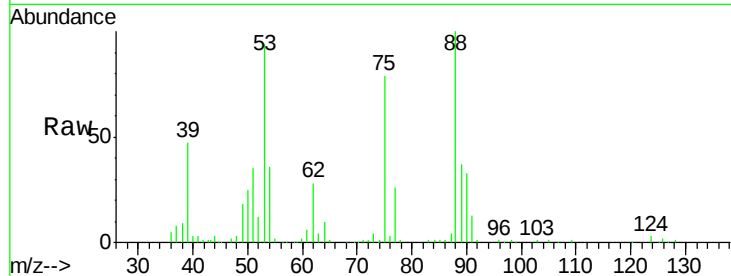
#81  
trans-1,4-Dichloro-2-butene  
Concen: 51.020 ug/l  
RT: 11.07 min Scan# 1670  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 114.6 | 88.1  | 132.1 |
| 89      | 47.7  | 43.5  | 65.3  |

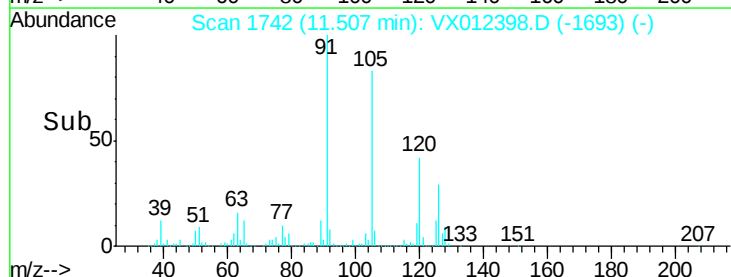
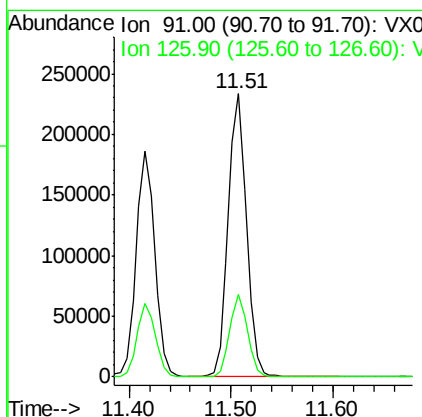
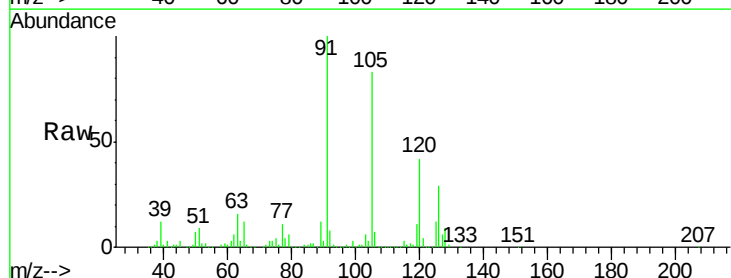
Manual Integrations  
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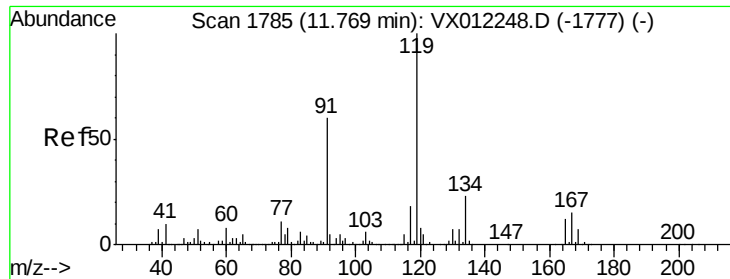
MMDadoda  
9/16/2019 1:13:10 AM



#82  
4-Chlorotoluene  
Concen: 55.576 ug/l  
RT: 11.51 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 28.3  | 14.0  | 42.0  |





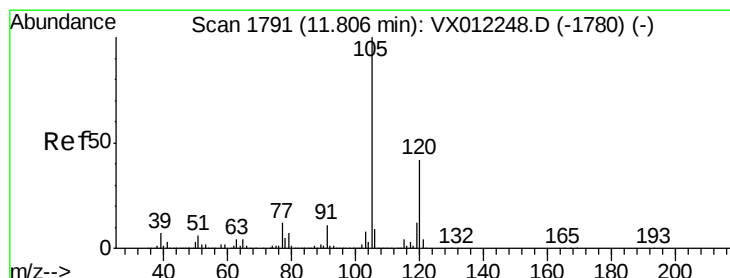
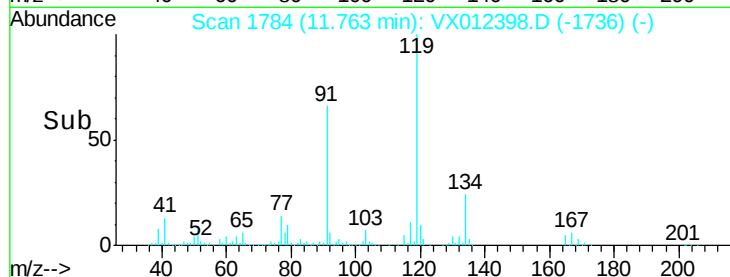
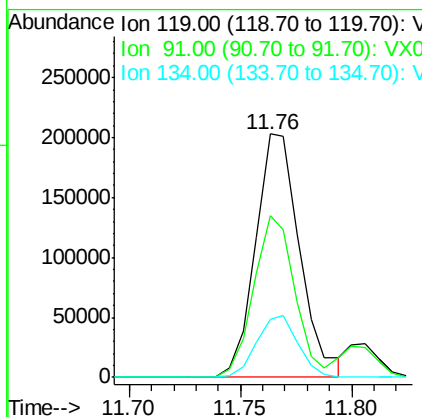
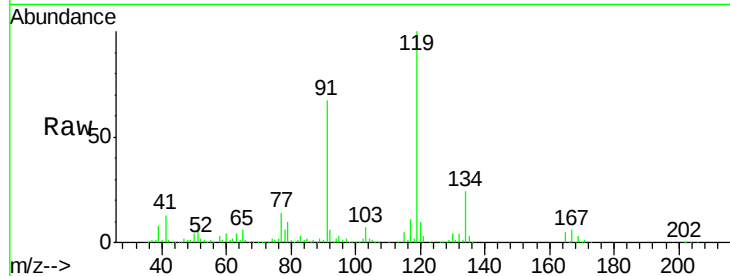
#83  
 tert-Butylbenzene  
 Concen: 55.542 ug/l  
 RT: 11.76 min Scan# 1784  
 Delta R.T. -0.01 min  
 Lab File: VX012398.D  
 Acq: 13 Sep 2019 20:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 281020 |       |       |
| 91      | 61.4  | 30.9   | 92.8  |       |
| 134     | 23.7  | 11.2   | 33.6  |       |

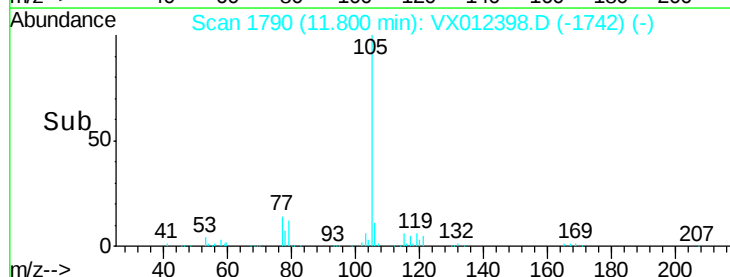
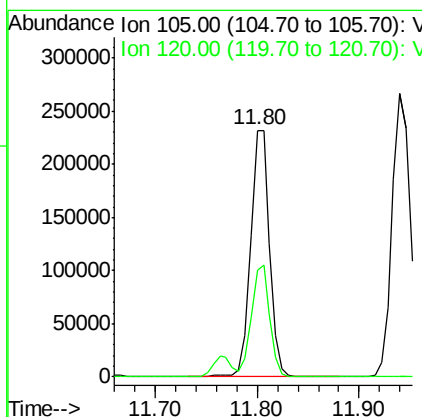
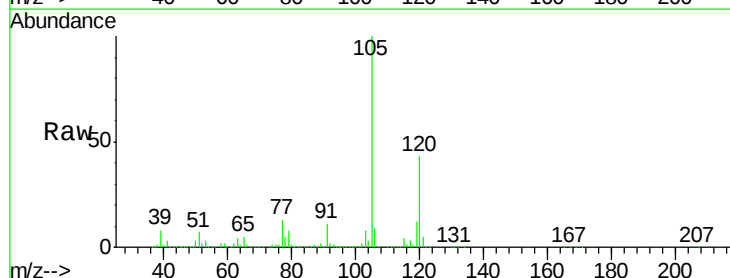
Manual Integrations  
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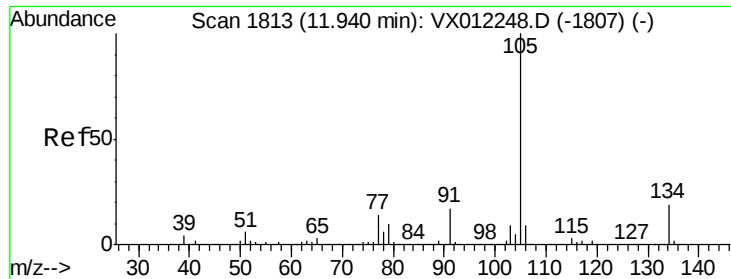
MMDadoda  
 9/16/2019 1:13:10 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 55.908 ug/l  
 RT: 11.80 min Scan# 1790  
 Delta R.T. -0.01 min  
 Lab File: VX012398.D  
 Acq: 13 Sep 2019 20:33

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 301152 |       |       |
| 120     | 44.0  | 21.3   | 63.9  |       |





#85

sec-Butylbenzene

Concen: 55.261 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 333616

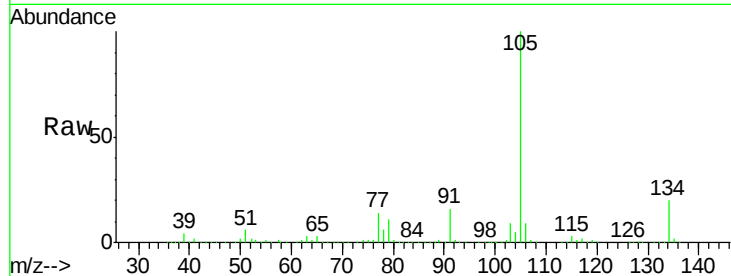
Ion Ratio Lower Upper

105 100

134 19.7 9.9 29.7

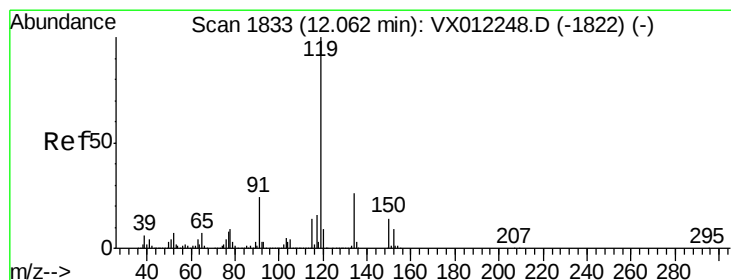
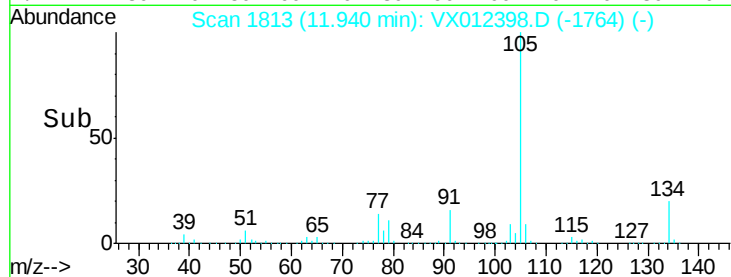
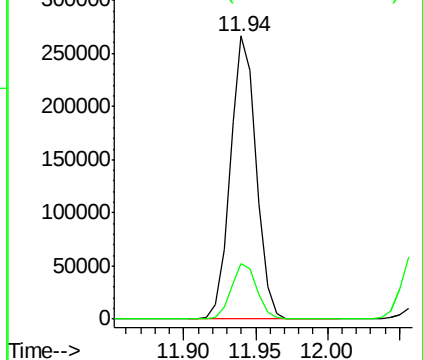
Manual Integrations  
APPROVED

MMDadoda  
9/16/2019 1:13:10 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.054 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

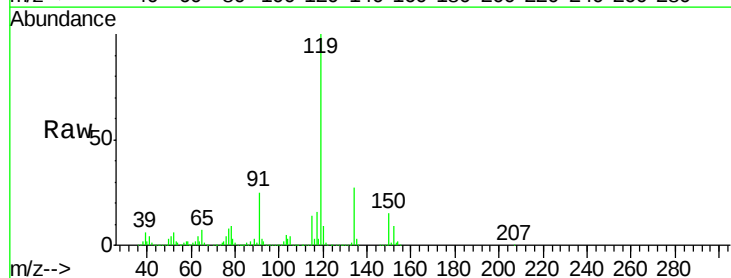
Tgt Ion:119 Resp: 318253

Ion Ratio Lower Upper

119 100

134 25.4 12.9 38.7

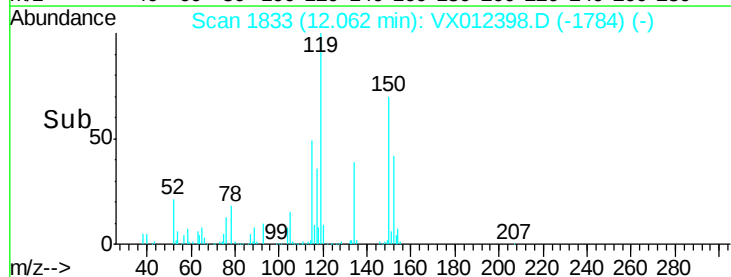
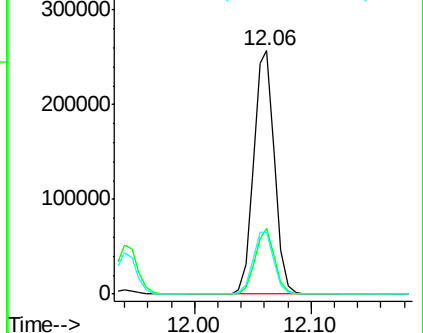
91 25.6 13.1 39.1

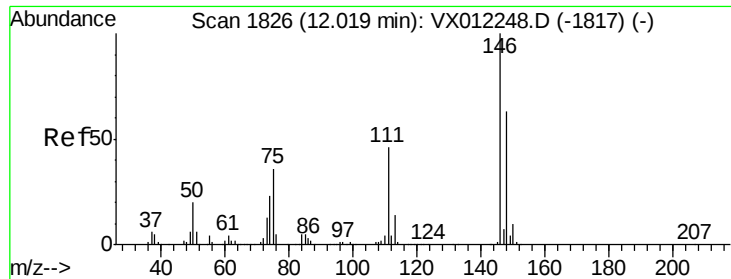


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 58.194 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

Instrument :

MSVOA\_X

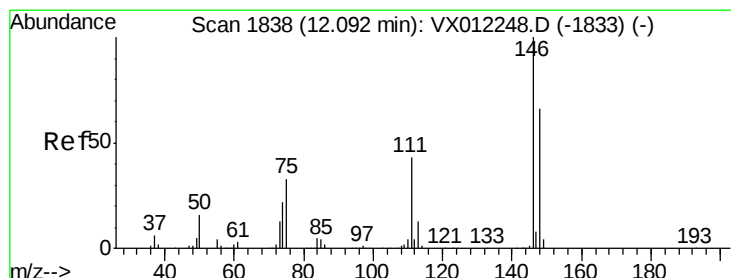
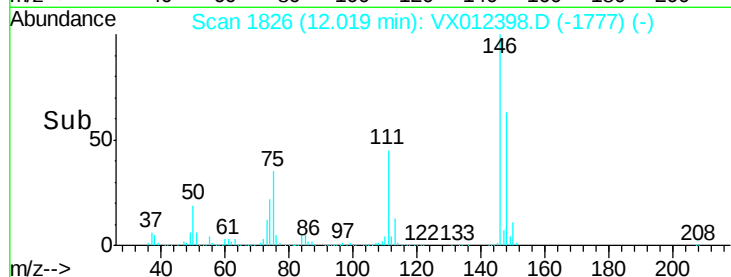
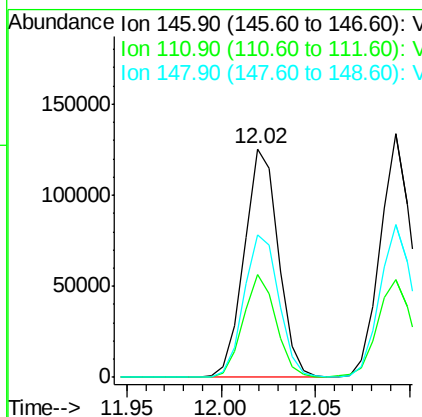
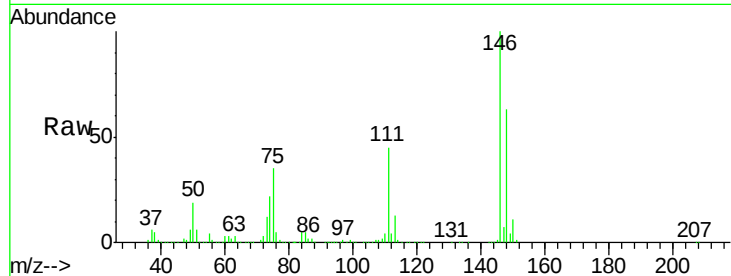
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 158142 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 43.3  | 22.3  | 66.8   |
| 148       | 63.8  | 31.5  | 94.5   |

Manual Integrations  
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#88

1,4-Dichlorobenzene

Concen: 57.591 ug/l

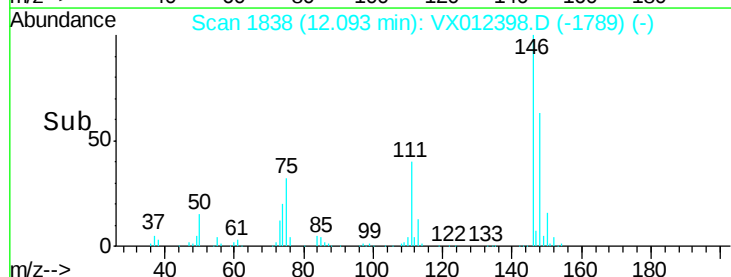
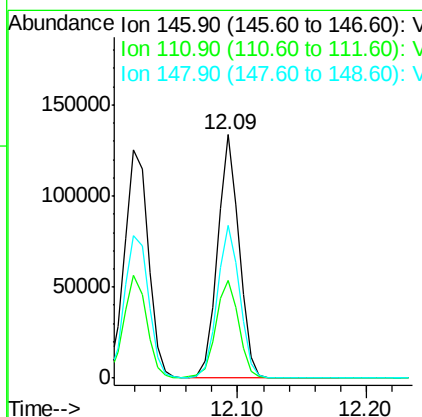
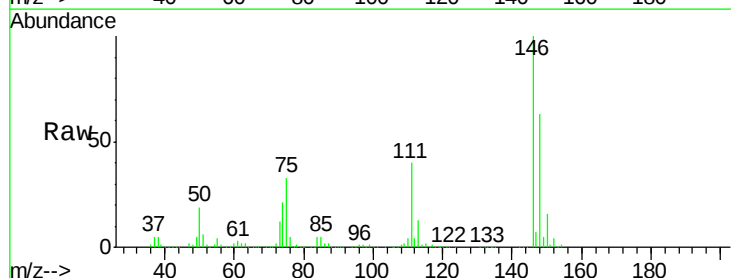
RT: 12.09 min Scan# 1838

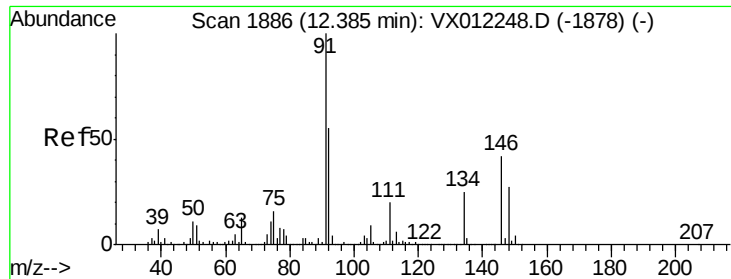
Delta R.T. 0.00 min

Lab File: VX012398.D

Acq: 13 Sep 2019 20:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 158253 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 42.8  | 21.6  | 64.8   |
| 148       | 64.8  | 32.4  | 97.2   |





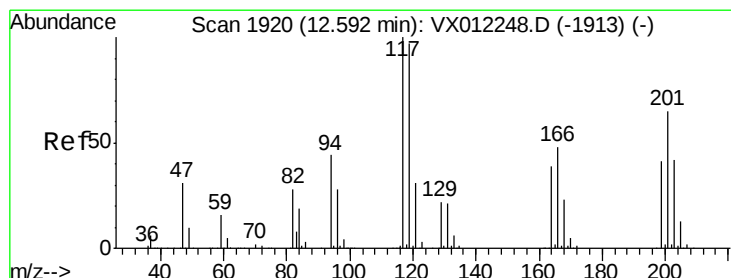
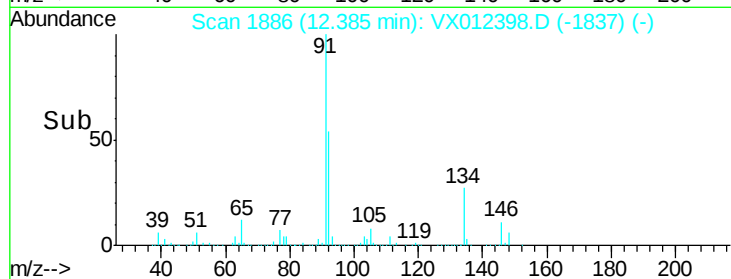
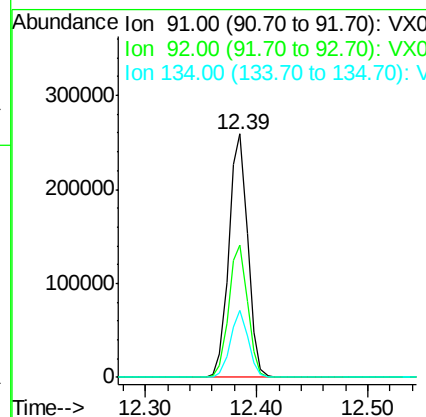
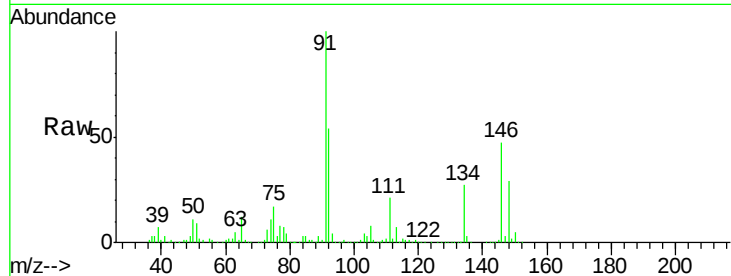
#89  
n-Butylbenzene  
Concen: 55.374 ug/l  
RT: 12.39 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.9  | 27.6  | 82.7  |
| 134     | 26.2  | 12.5  | 37.5  |

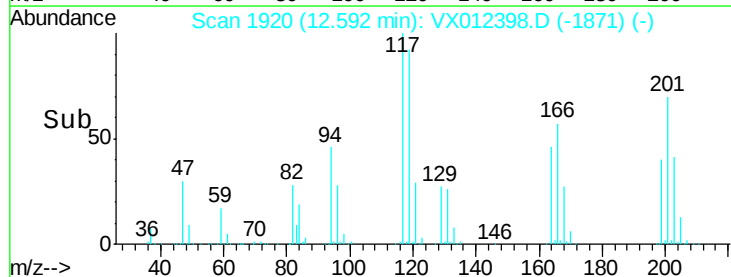
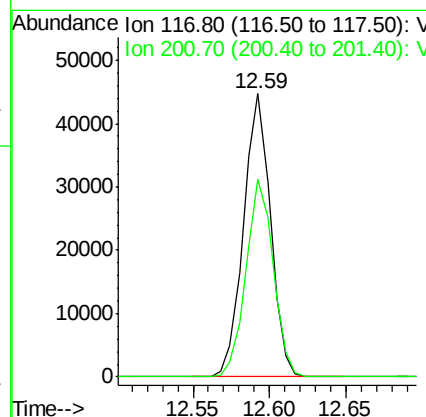
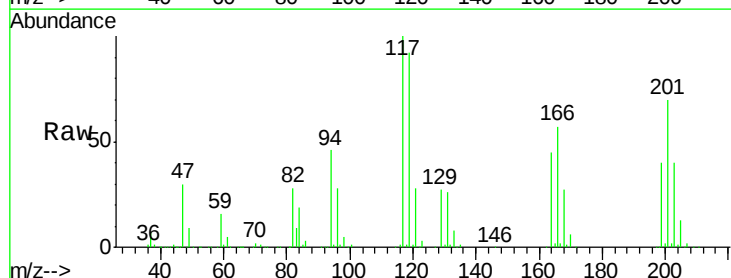
Manual Integrations  
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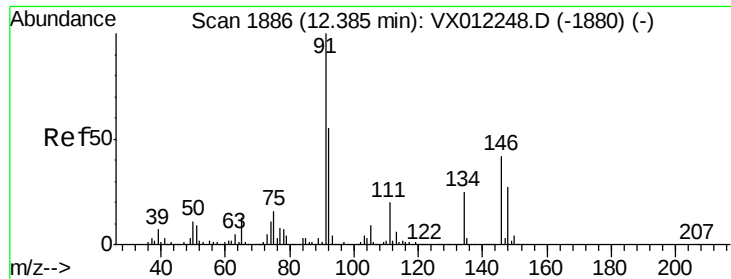
MMDadoda  
9/16/2019 1:13:10 AM



#90  
Hexachloroethane  
Concen: 53.105 ug/l  
RT: 12.59 min Scan# 1920  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 70.7  | 32.2  | 96.6  |





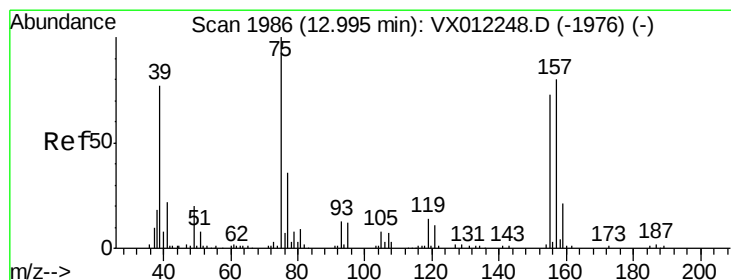
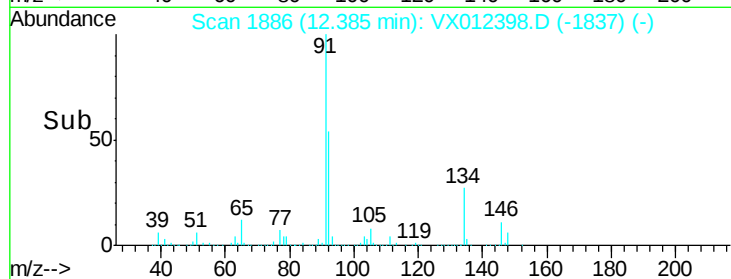
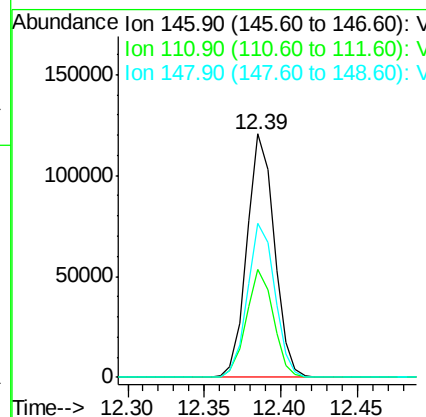
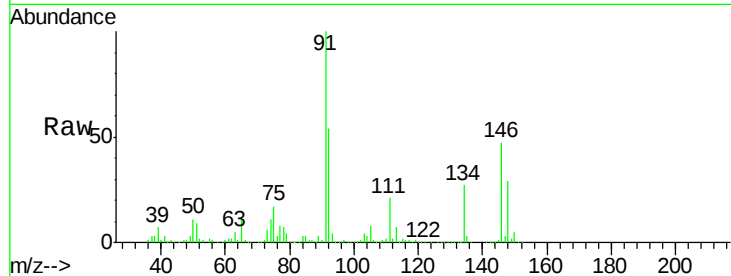
#91  
 1,2-Dichlorobenzene  
 Concen: 59.537 ug/l  
 RT: 12.39 min Scan# 1886  
 Delta R.T. 0.00 min  
 Lab File: VX012398.D  
 Acq: 13 Sep 2019 20:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 149664 |       |       |
| 111     | 43.8  | 23.2   | 69.6  |       |
| 148     | 63.6  | 32.4   | 97.0  |       |

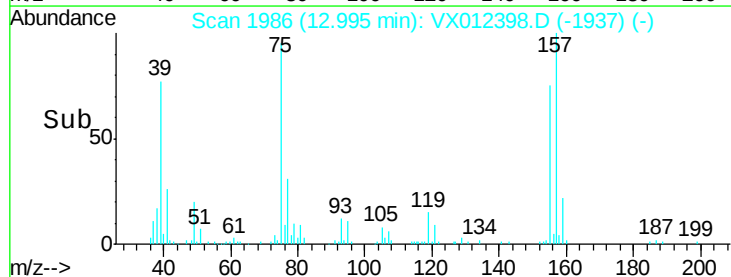
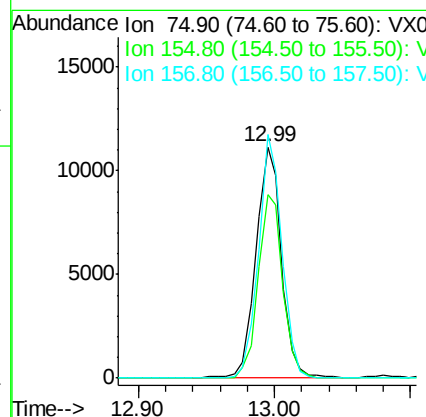
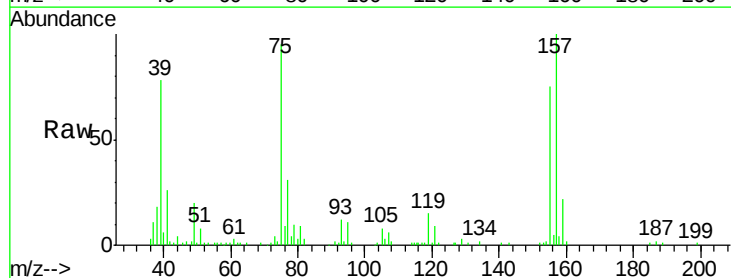
Manual Integrations  
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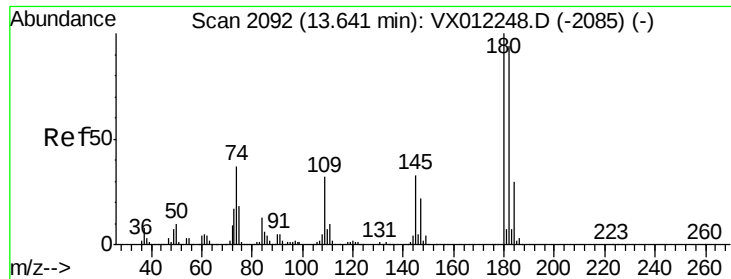
MMDadoda  
 9/16/2019 1:13:10 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 57.641 ug/l  
 RT: 12.99 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VX012398.D  
 Acq: 13 Sep 2019 20:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 14641 |       |       |
| 155     | 76.4  | 35.3  | 105.7 |       |
| 157     | 96.9  | 43.2  | 129.6 |       |





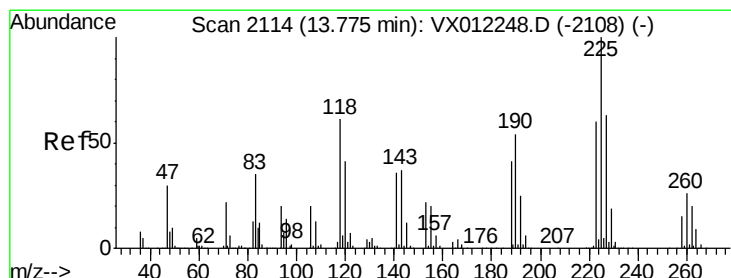
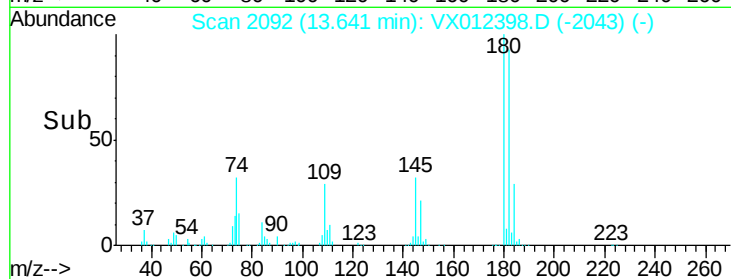
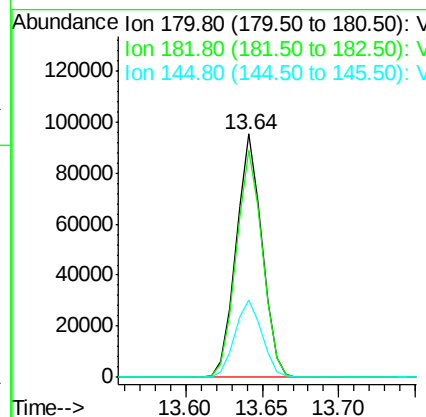
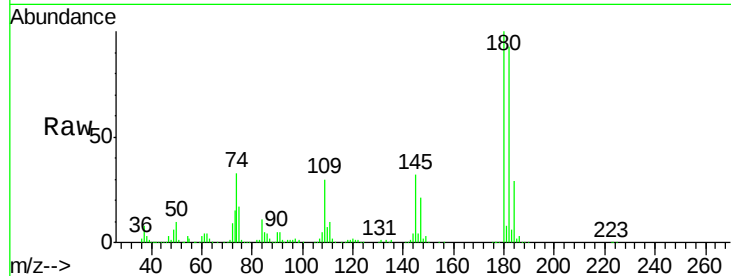
#93  
 1,2,4-Trichlorobenzene  
 Concen: 64.060 ug/l  
 RT: 13.64 min Scan# 2092  
 Delta R.T. 0.00 min  
 Lab File: VX012398.D  
 Acq: 13 Sep 2019 20:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 111208 |       |       |
| 182     | 94.8  | 46.9   | 140.8 |       |
| 145     | 33.2  | 17.1   | 51.2  |       |

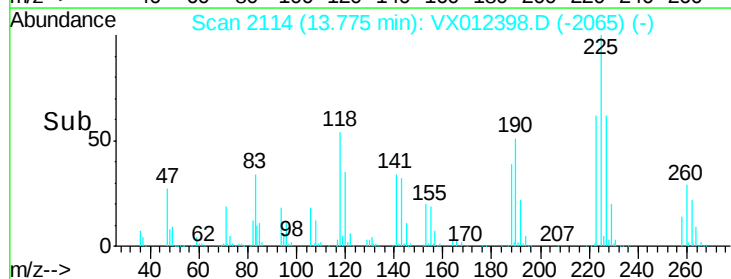
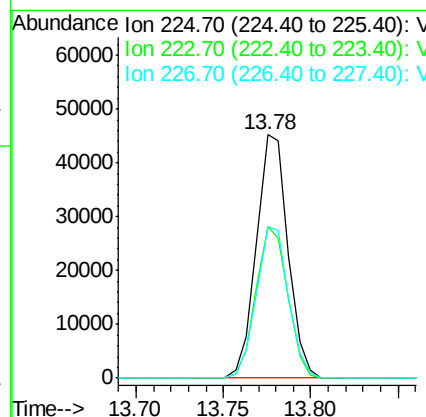
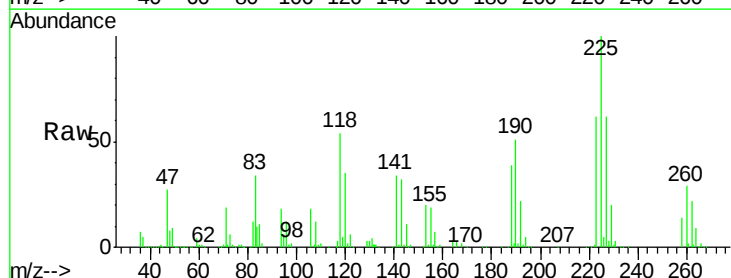
Manual Integrations  
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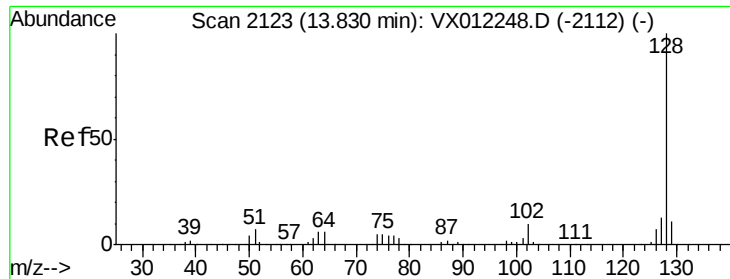
MMDadoda  
 9/16/2019 1:13:10 AM



#94  
 Hexachlorobutadiene  
 Concen: 65.586 ug/l  
 RT: 13.78 min Scan# 2114  
 Delta R.T. 0.00 min  
 Lab File: VX012398.D  
 Acq: 13 Sep 2019 20:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 56642 |       |       |
| 223     | 62.5  | 32.1  | 96.5  |       |
| 227     | 63.0  | 32.5  | 97.5  |       |





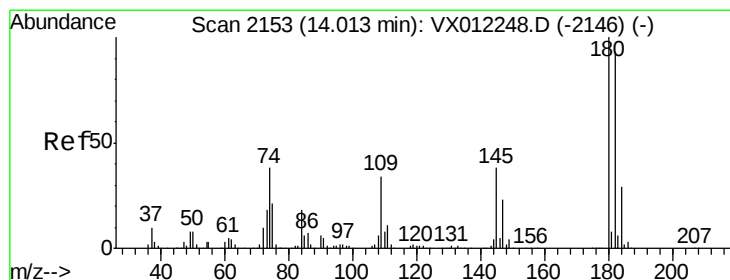
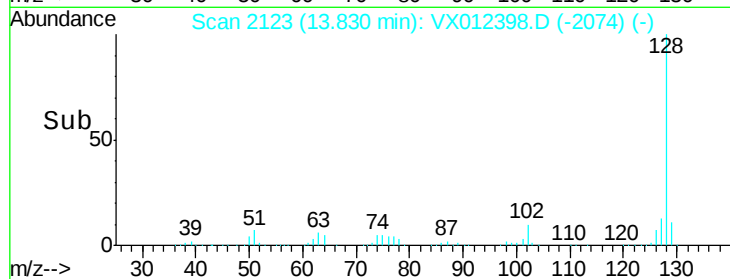
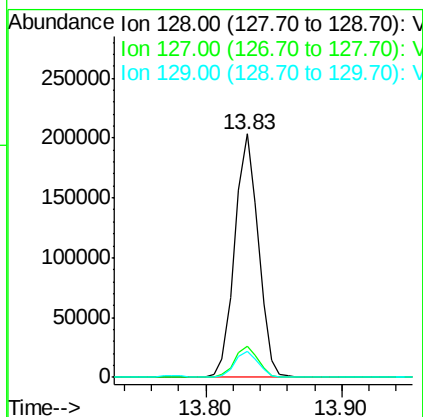
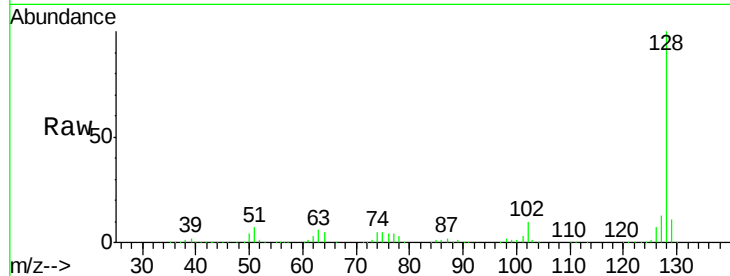
#95  
Naphthalene  
Concen: 65.936 ug/l  
RT: 13.83 min Scan# 2123  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

Instrument :  
MSVOA\_X  
ClientSampleID :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.8  | 10.2  | 15.2  |
| 129     | 10.7  | 8.9   | 13.3  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 65.682 ug/l  
RT: 14.01 min Scan# 2153  
Delta R.T. 0.00 min  
Lab File: VX012398.D  
Acq: 13 Sep 2019 20:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.3  | 47.0  | 141.0 |
| 145     | 36.2  | 18.6  | 55.8  |

