

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091019\  
 Data File : VX012248.D  
 Acq On : 10 Sep 2019 10:28  
 Operator : SY/SP  
 Sample : VSTDICCC050  
 Misc : 5.00g/5.0mL/MSVOA X/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

MMDadoda  
 9/12/2019 9:00:30 AM

Quant Time: Sep 10 11:07:44 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091019S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 10 11:00:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 154578   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 277396   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 255937   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 127308   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.05   | 65  | 111944   | 48.63 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.26%  |      |
| 35) Dibromofluoromethane  | 5.48   | 113 | 88307    | 47.50 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.00%  |      |
| 50) Toluene-d8            | 8.71   | 98  | 326090   | 50.15 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.30% |      |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 141015   | 46.73 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.46%  |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 59036  | 47.775  | ug/l | 100    |
| 3) Chloromethane              | 1.31 | 50  | 54906  | 46.103  | ug/l | 98     |
| 4) Vinyl Chloride             | 1.40 | 62  | 53885  | 47.244  | ug/l | 100    |
| 5) Bromomethane               | 1.62 | 94  | 24813  | 60.004  | ug/l | 99     |
| 6) Chloroethane               | 1.71 | 64  | 36465  | 50.927  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 100289 | 51.691  | ug/l | 97     |
| 8) Diethyl Ether              | 2.17 | 74  | 35883  | 41.617  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 71623  | 49.556  | ug/l | 100    |
| 10) Methyl Iodide             | 2.50 | 142 | 70125  | 49.403  | ug/l | 99     |
| 11) Tert butyl alcohol        | 3.03 | 59  | 57793  | 270.021 | ug/l | 94     |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 59929  | 49.231  | ug/l | 100    |
| 13) Acrolein                  | 2.28 | 56  | 28285  | 217.986 | ug/l | 98     |
| 14) Allyl chloride            | 2.72 | 41  | 123358 | 49.104  | ug/l | 100    |
| 15) Acrylonitrile             | 3.13 | 53  | 113074 | 237.297 | ug/l | 100    |
| 16) Acetone                   | 2.43 | 43  | 125468 | 257.886 | ug/l | 98     |
| 17) Carbon Disulfide          | 2.56 | 76  | 123285 | 49.211  | ug/l | 98     |
| 18) Methyl Acetate            | 2.76 | 43  | 55447  | 44.850  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 3.18 | 73  | 245545 | 49.037  | ug/l | 97     |
| 20) Methylene Chloride        | 2.84 | 84  | 81852  | 40.094  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 3.15 | 96  | 70911  | 48.126  | ug/l | 94     |
| 22) Diisopropyl ether         | 3.84 | 45  | 284949 | 48.650  | ug/l | 96     |
| 23) Vinyl Acetate             | 3.80 | 43  | 899776 | 251.632 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 151145 | 48.345  | ug/l | 98     |
| 25) 2-Butanone                | 4.65 | 43  | 167101 | 250.520 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 4.57 | 77  | 142007 | 48.977  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.58 | 96  | 92576  | 47.688  | ug/l | 99     |
| 28) Bromochloromethane        | 5.00 | 49  | 73842  | 51.497  | ug/l | 99     |
| 29) Tetrahydrofuran           | 5.11 | 42  | 95009  | 234.859 | ug/l | 99     |
| 30) Chloroform                | 5.20 | 83  | 168791 | 47.185  | ug/l | 100    |
| 31) Cyclohexane               | 5.57 | 56  | 103226 | 49.095  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97  | 144788 | 48.869  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 104164 | 48.805  | ug/l | 98     |
| 37) Ethyl Acetate             | 4.81 | 43  | 67360  | 47.783  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.77 | 117 | 121397 | 49.664  | ug/l | 94     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\  
 Data File : VX012248.D  
 Acq On : 10 Sep 2019 10:28  
 Operator : SY/SP  
 Sample : VSTDICCC050  
 Misc : 5.00g/5.0mL/MSVOA X/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

MMDadoda  
 9/12/2019 9:00:30 AM

Quant Time: Sep 10 11:07:44 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091019S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 10 11:00:13 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.45  | 83   | 112795   | 50.224  | ug/l   | 97       |
| 40) Benzene                    | 6.13  | 78   | 313582   | 48.427  | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.03  | 41   | 40866    | 46.965  | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 125401   | 47.923  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.43  | 43   | 139814   | 47.904  | ug/l   | 99       |
| 44) Trichloroethene            | 7.20  | 130  | 83812    | 47.993  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 86852    | 47.519  | ug/l   | 100      |
| 46) Dibromomethane             | 7.65  | 93   | 49054    | 47.189  | ug/l   | 98       |
| 47) Bromodichloromethane       | 7.89  | 83   | 134456   | 48.326  | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.76  | 41   | 67344    | 48.017  | ug/l   | 100      |
| 49) 1,4-Dioxane                | 7.73  | 88   | 16969    | 862.036 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 363772   | 239.557 | ug/l   | 100      |
| 52) Toluene                    | 8.78  | 92   | 207855   | 48.329  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 133512   | 48.132  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 145895   | 48.209  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 74609    | 47.290  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 103894   | 47.104  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 127782   | 47.383  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 267669   | 255.560 | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.48  | 43   | 260164   | 241.140 | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.57  | 129  | 91491    | 48.892  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 68777    | 46.754  | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.33  | 164  | 67772    | 47.455  | ug/l   | 99       |
| 65) Chlorobenzene              | 10.14 | 112  | 238463   | 46.527  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 93453    | 47.619  | ug/l   | 98       |
| 67) Ethyl Benzene              | 10.25 | 91   | 423375   | 47.095  | ug/l   | 97       |
| 68) m/p-Xylenes                | 10.36 | 106  | 315408   | 95.128  | ug/l   | 96       |
| 69) o-Xylene                   | 10.70 | 106  | 154785   | 47.847  | ug/l   | 99       |
| 70) Styrene                    | 10.71 | 104  | 276987   | 47.615  | ug/l   | 99       |
| 71) Bromoform                  | 10.85 | 173  | 49491    | 48.367  | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.01 | 105  | 424063   | 46.473  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.89 | 43   | 131454   | 45.017  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 93393    | 45.536  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 85672m   | 48.160  | ug/l   |          |
| 77) Bromobenzene               | 11.25 | 156  | 98998    | 45.388  | ug/l   | 99       |
| 78) n-propylbenzene            | 11.35 | 91   | 524295   | 47.740  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 318589   | 46.476  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 382337   | 46.291  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 29119    | 45.210  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 387557   | 46.188  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 377175   | 47.101  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 394154   | 46.140  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 441342   | 46.888  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 415786   | 47.643  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 200160   | 46.275  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 198566   | 45.778  | ug/l   | 100      |
| 89) n-Butylbenzene             | 12.39 | 91   | 406647   | 48.571  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.59 | 117  | 78209    | 48.867  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 185225   | 45.763  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 18778    | 46.186  | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\  
Data File : VX012248.D  
Acq On : 10 Sep 2019 10:28  
Operator : SY/SP  
Sample : VSTDICCC050  
Misc : 5.00g/5.0mL/MSVOA X/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
APPROVED

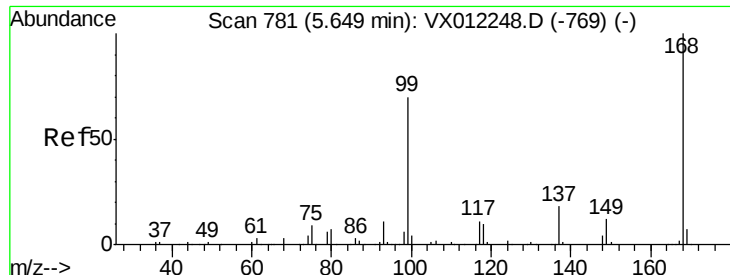
MMDadoda  
9/12/2019 9:00:30 AM

Quant Time: Sep 10 11:07:44 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091019S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 10 11:00:13 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180  | 130615   | 48.802 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 63718    | 49.211 | ug/l  | 97       |
| 95) Naphthalene            | 13.83 | 128  | 281548   | 47.909 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 114375   | 48.870 | ug/l  | 98       |

(#) = 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: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 154578

Ion Ratio Lower Upper

168 100

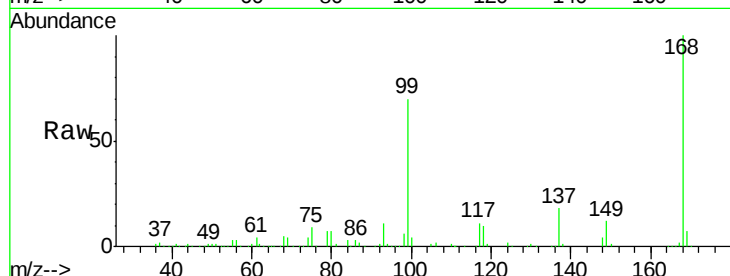
99 69.7 56.6 85.0

Manual Integrations

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9/12/2019 9:00:30 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

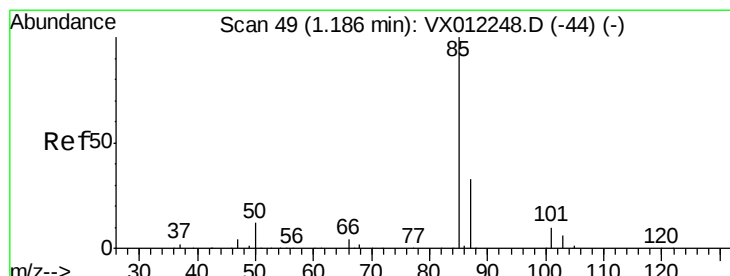
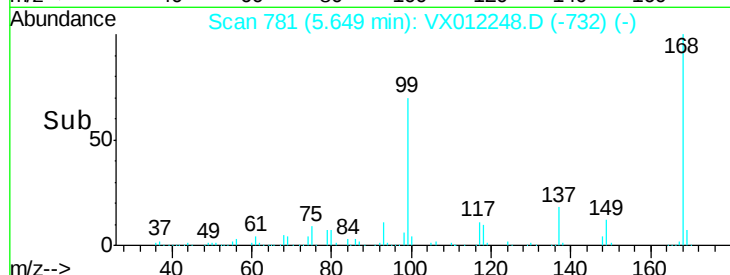
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.775 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012248.D

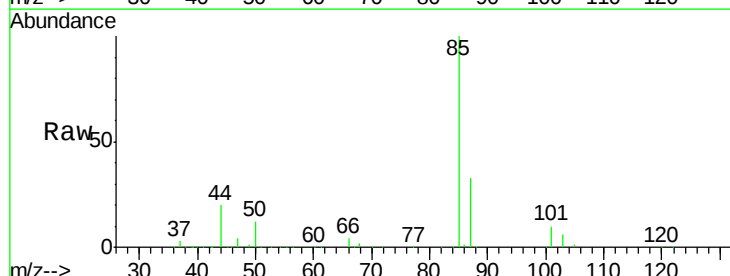
Acq: 10 Sep 2019 10:28

Tgt Ion: 85 Resp: 59036

Ion Ratio Lower Upper

85 100

87 33.3 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

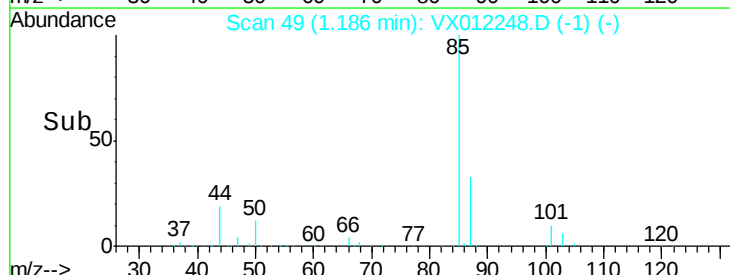
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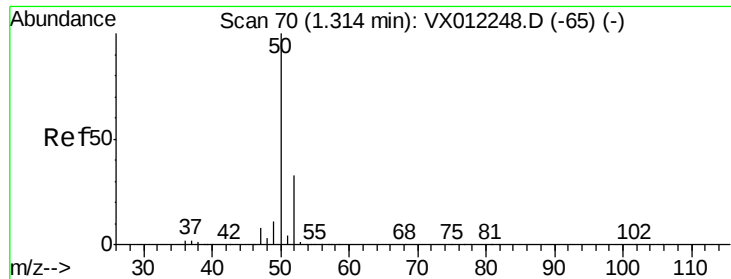
40000

20000

0

Time-->





#3

Chloromethane

Concen: 46.103 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 54906

Ion Ratio Lower Upper

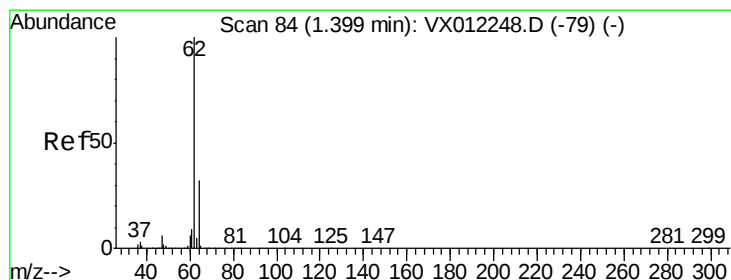
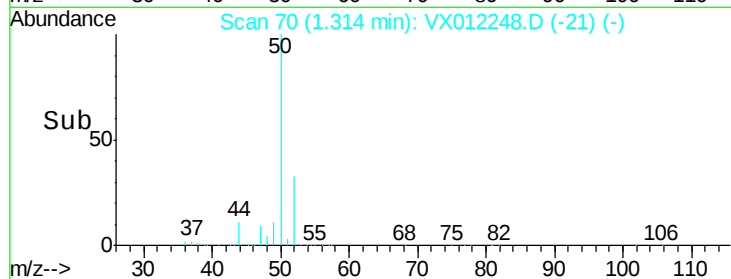
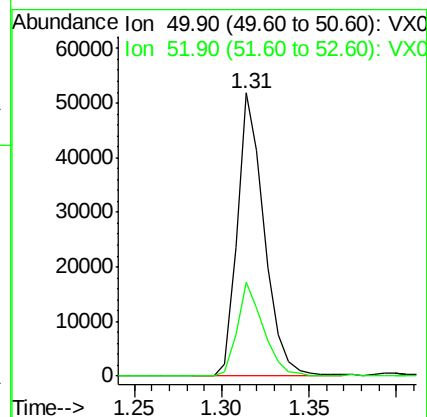
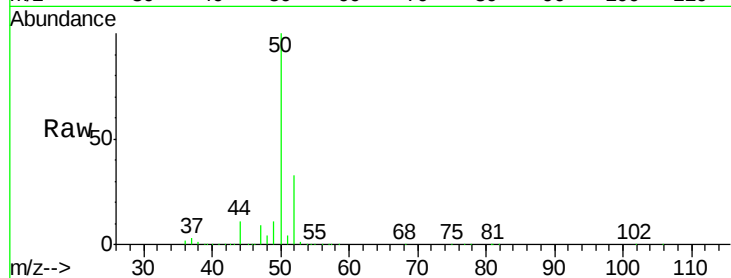
50 100

52 33.4 25.9 38.9

Manual Integrations  
APPROVED

MMDadoda

9/12/2019 9:00:30 AM



#4

Vinyl Chloride

Concen: 47.244 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012248.D

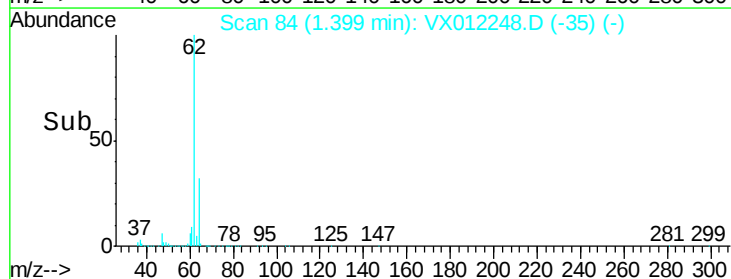
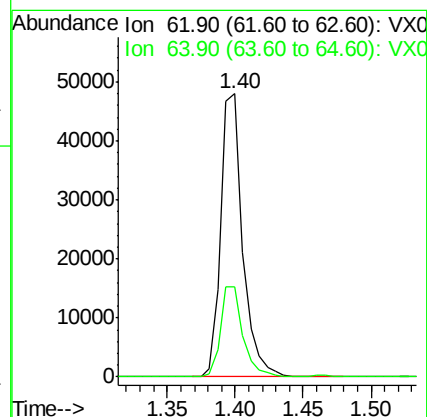
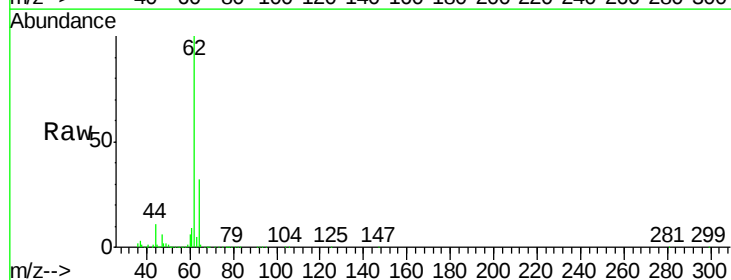
Acq: 10 Sep 2019 10:28

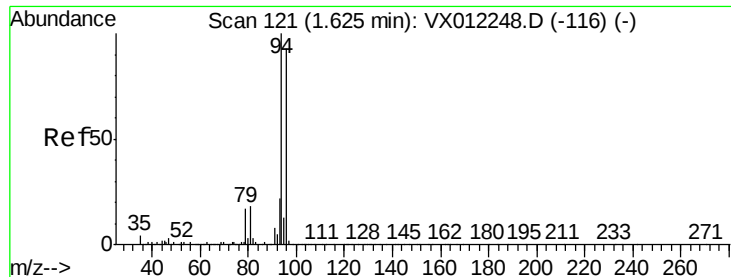
Tgt Ion: 62 Resp: 53885

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 60.004 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

ClientSampled :

VSTDICCC050

Tot Ion: 94 Resp: 24813

Ion Ratio Lower Upper

94 100

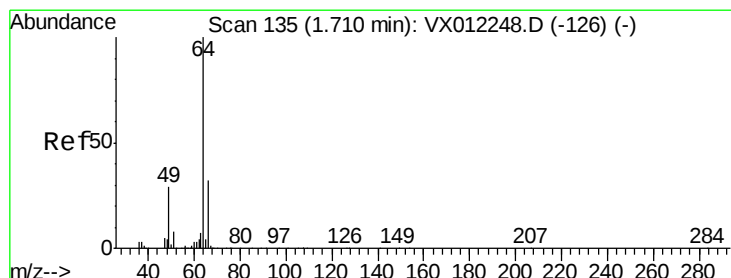
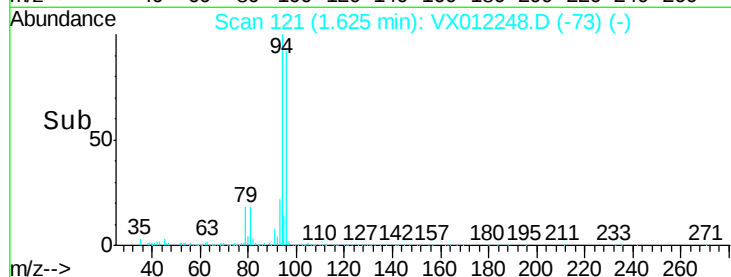
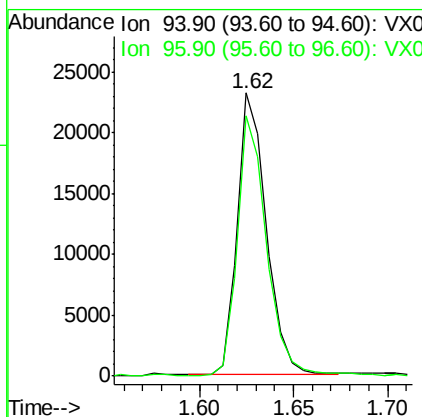
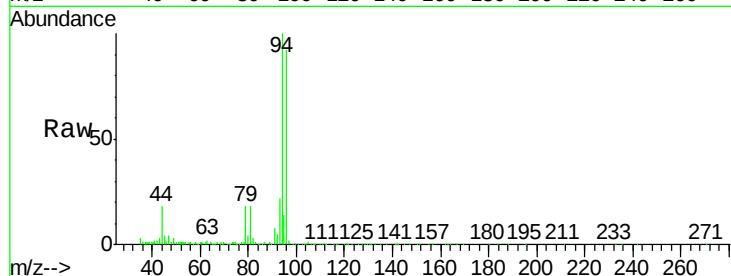
96 92.5 74.5 111.7

Manual Integrations

APPROVED

MMDadoda

9/12/2019 9:00:30 AM



#6

Chloroethane

Concen: 50.927 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012248.D

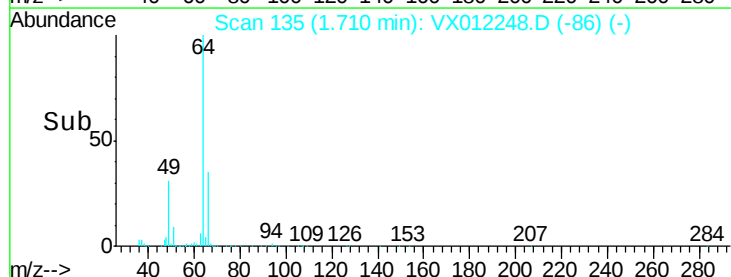
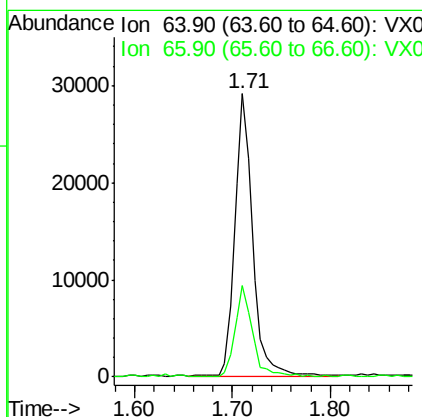
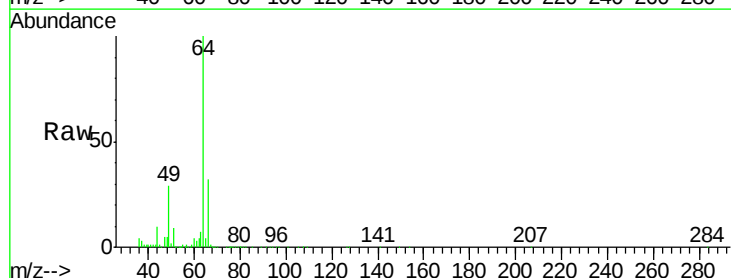
Acq: 10 Sep 2019 10:28

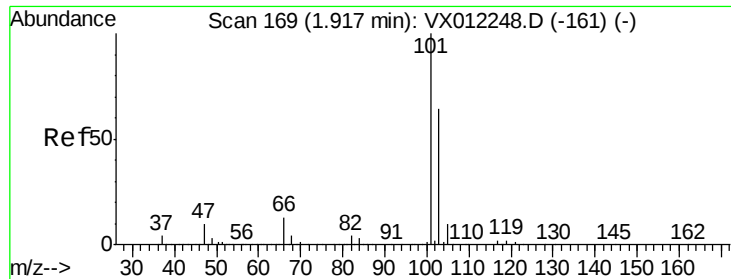
Tgt Ion: 64 Resp: 36465

Ion Ratio Lower Upper

64 100

66 32.2 25.0 37.6





#7

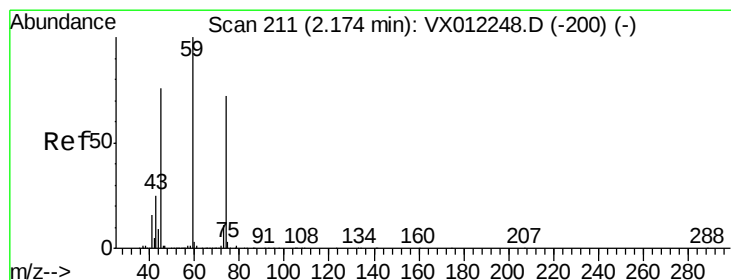
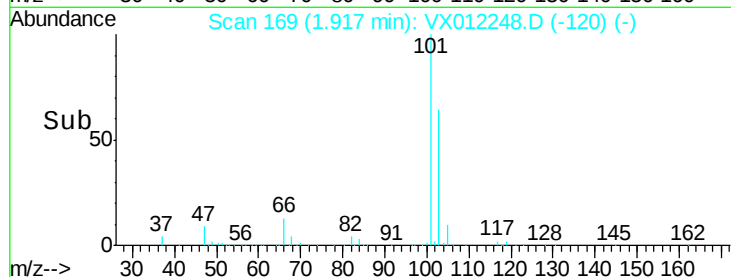
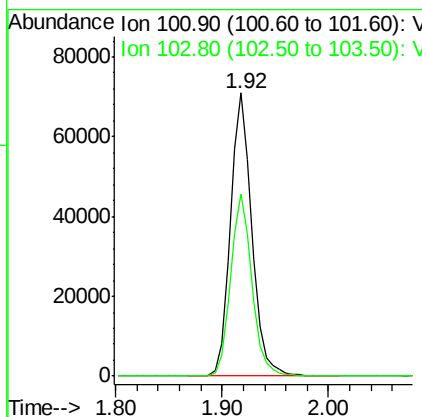
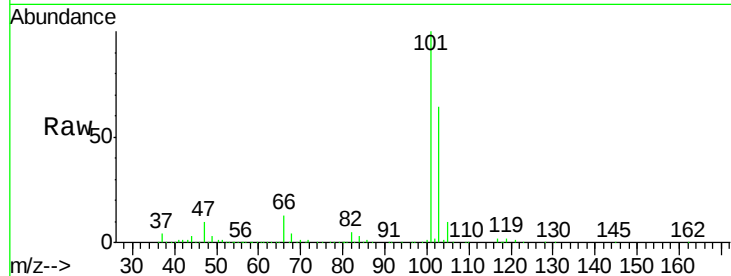
Trichlorofluoromethane  
Concen: 51.691 ug/l  
RT: 1.92 min Scan# 169  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 100289 |       |       |
| 103     | 64.3  | 53.3   | 79.9  |       |

Manual Integrations  
APPROVED

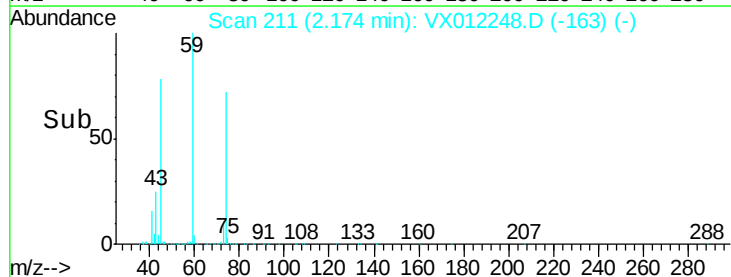
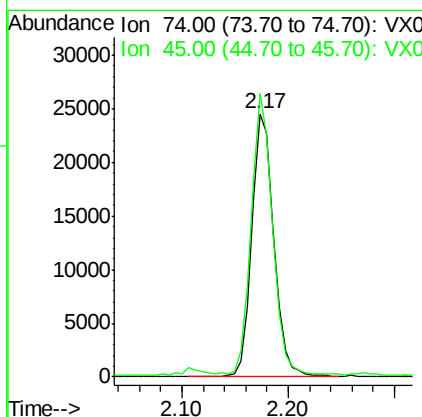
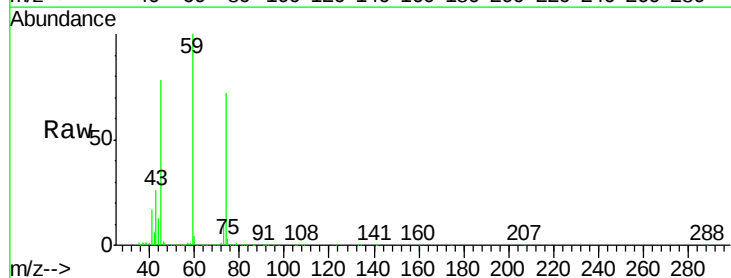
MMDadoda  
9/12/2019 9:00:30 AM

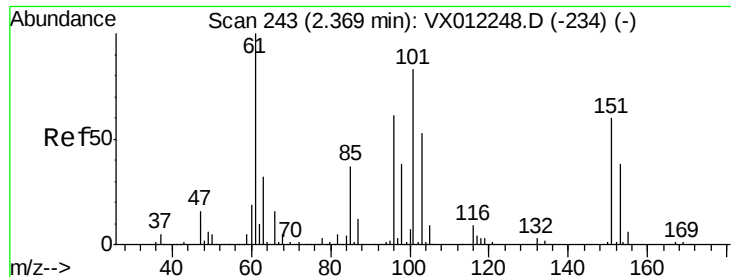


#8

Diethyl Ether  
Concen: 41.617 ug/l  
RT: 2.17 min Scan# 211  
Delta R.T. -0.01 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 35883 |       |       |
| 45      | 102.6 | 50.7  | 152.1 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.556 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

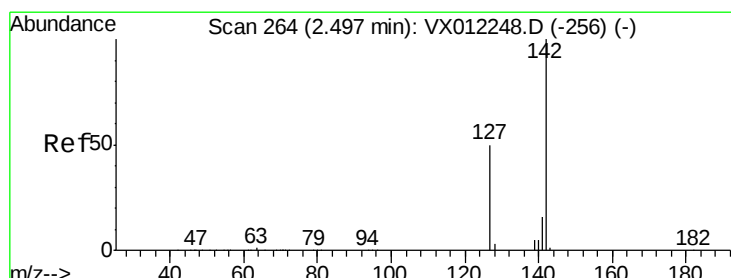
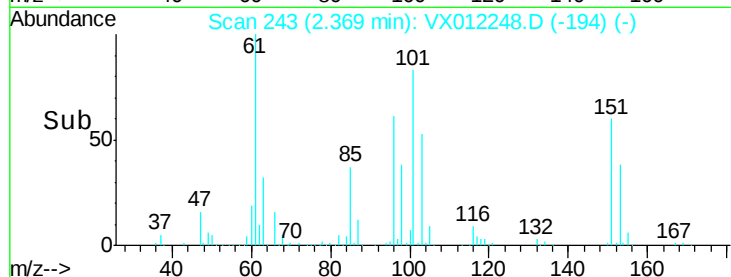
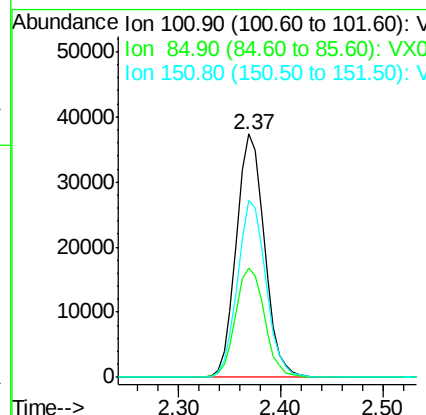
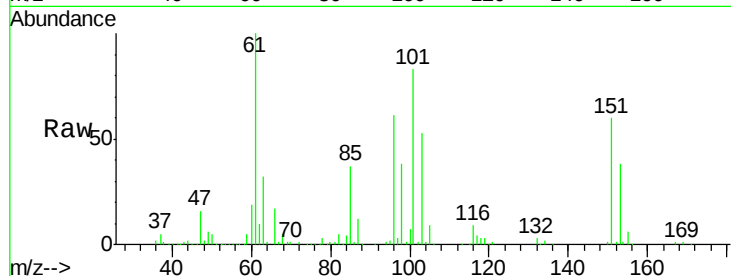
ClientSampleId :

VSTDICCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 71623 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 46.3  | 36.6  | 54.8  |
| 151       | 73.2  | 58.6  | 88.0  |

Manual Integrations  
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MMDadoda  
9/12/2019 9:00:30 AM



#10

Methyl Iodide

Concen: 49.403 ug/l

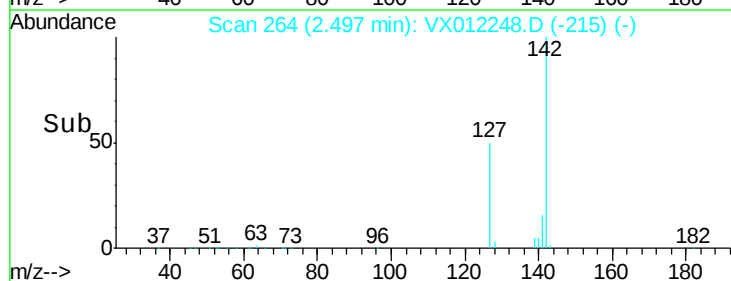
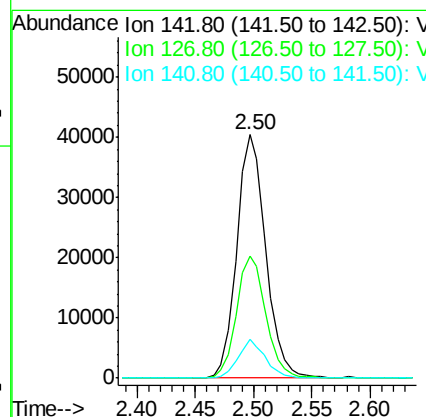
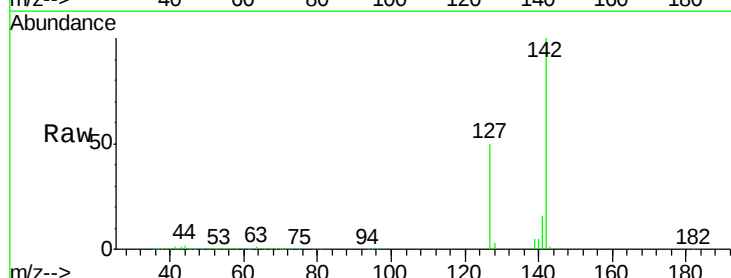
RT: 2.50 min Scan# 264

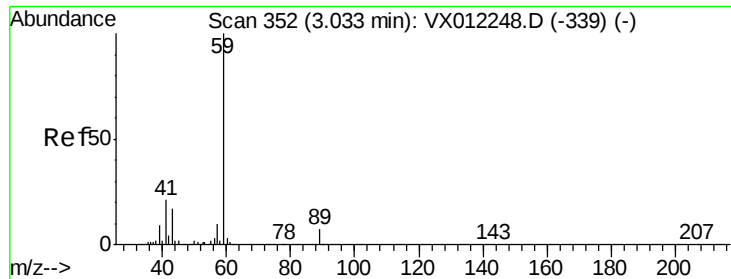
Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 70125 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 50.8  | 41.1  | 61.7  |
| 141       | 15.0  | 11.6  | 17.4  |





#11

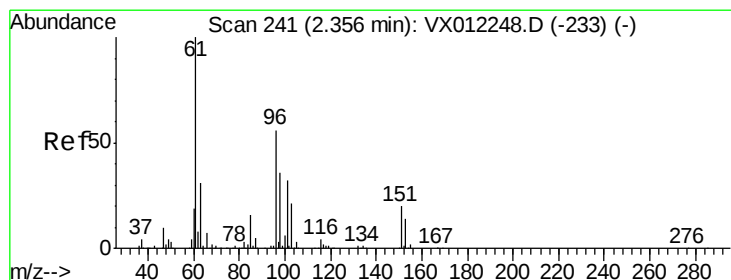
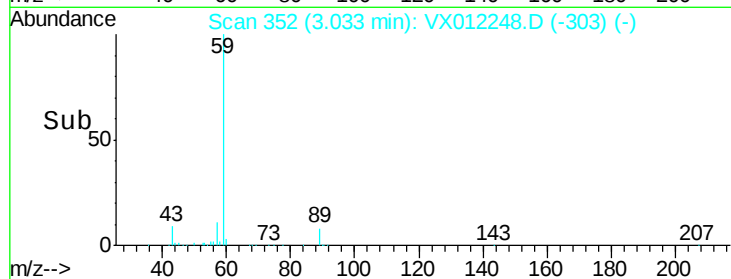
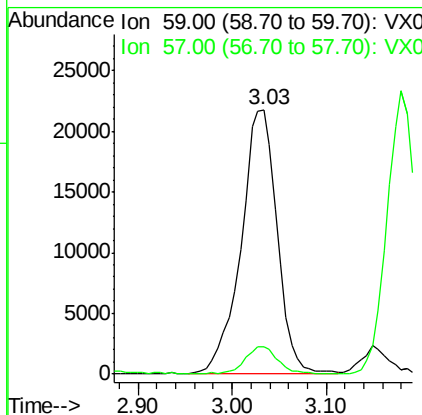
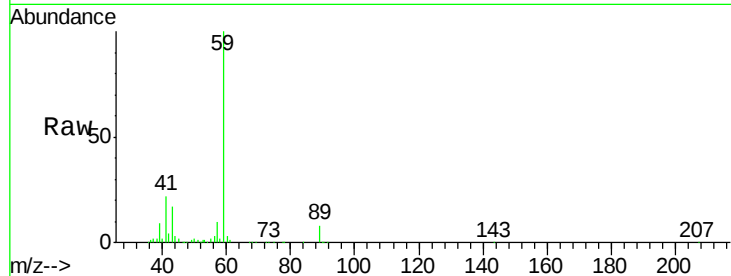
Tert butyl alcohol  
Concen: 270.021 ug/l  
RT: 3.03 min Scan# 352  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.7   | 9.7   | 14.5  |

Manual Integrations  
APPROVED

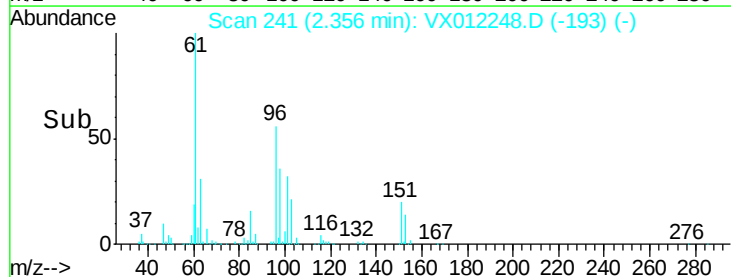
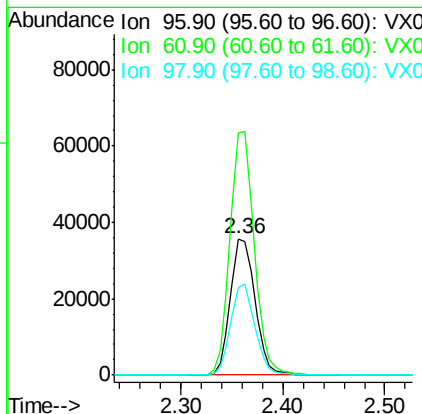
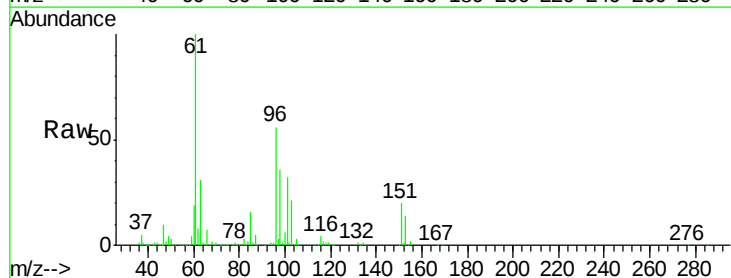
MMDadoda  
9/12/2019 9:00:30 AM

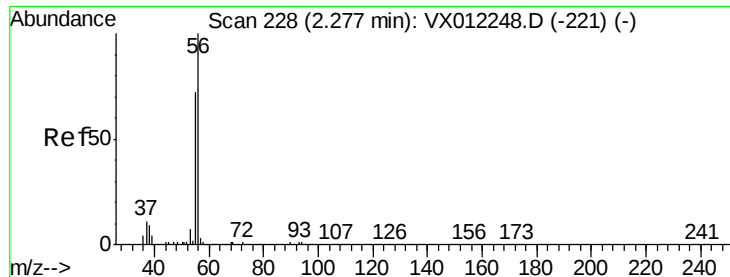


#12

1,1-Dichloroethene  
Concen: 49.231 ug/l  
RT: 2.36 min Scan# 241  
Delta R.T. -0.01 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 177.7 | 142.2 | 213.2 |
| 98      | 64.1  | 51.5  | 77.3  |





#13

Acrolein

Concen: 217.986 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 28285

Ion Ratio Lower Upper

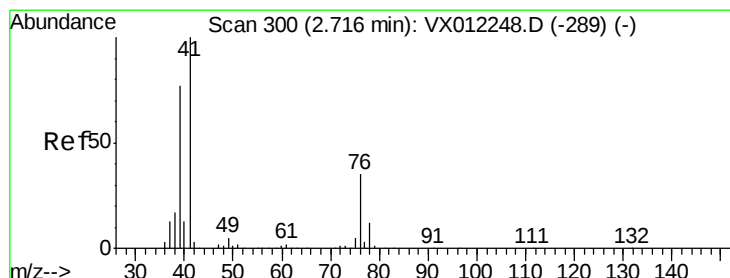
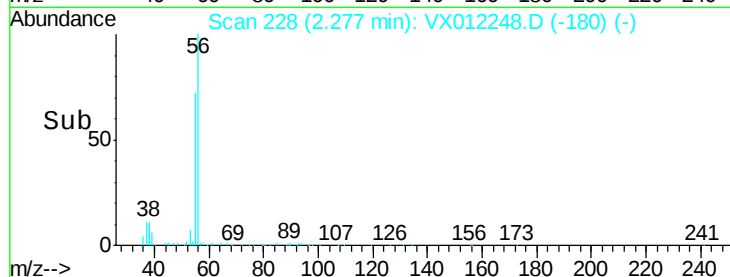
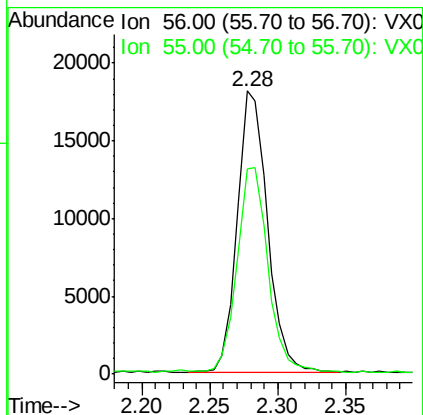
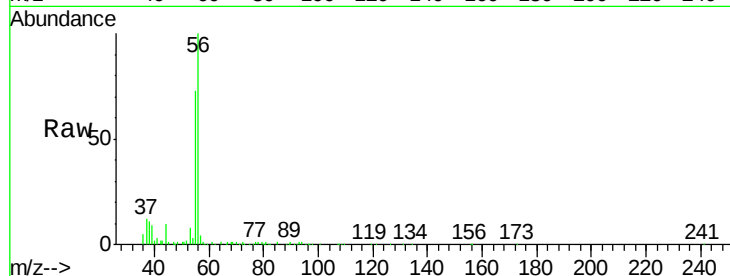
56 100

55 74.7 58.5 87.7

Manual Integrations  
APPROVED

MMDadoda

9/12/2019 9:00:30 AM



#14

Allyl chloride

Concen: 49.104 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

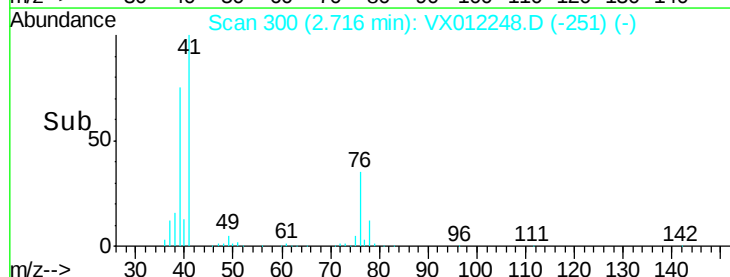
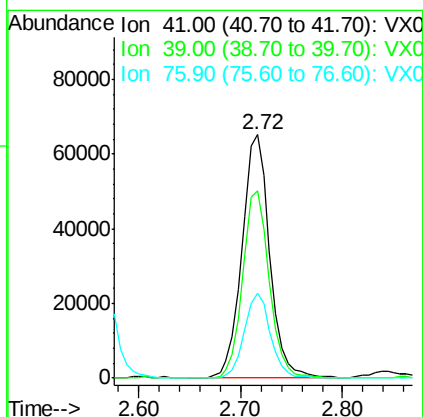
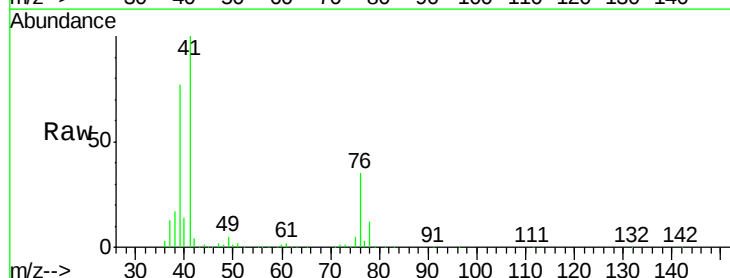
Tgt Ion: 41 Resp: 123358

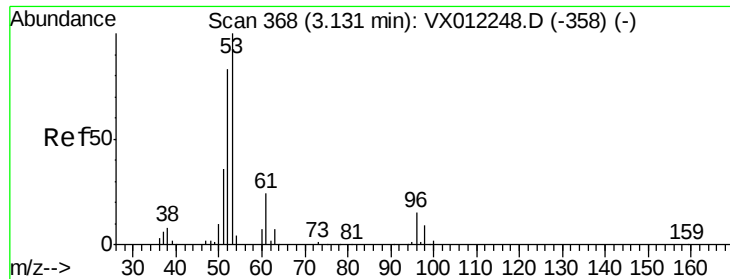
Ion Ratio Lower Upper

41 100

39 73.2 58.9 88.3

76 32.9 26.6 39.8





#15

Acrylonitrile

Concen: 237.297 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

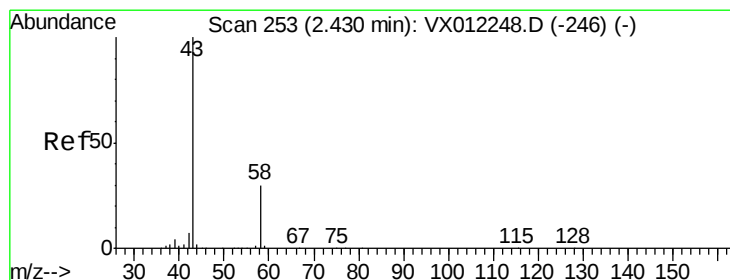
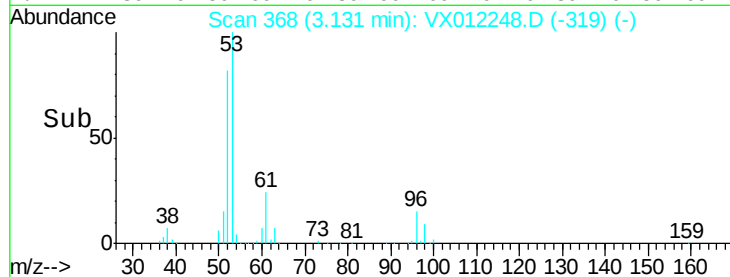
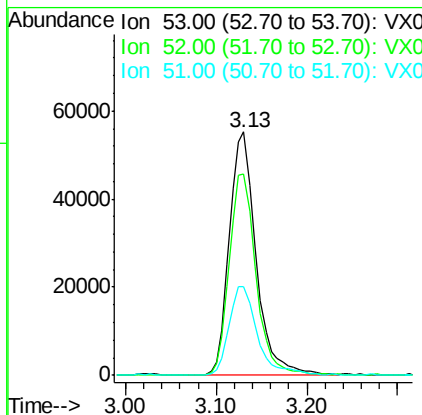
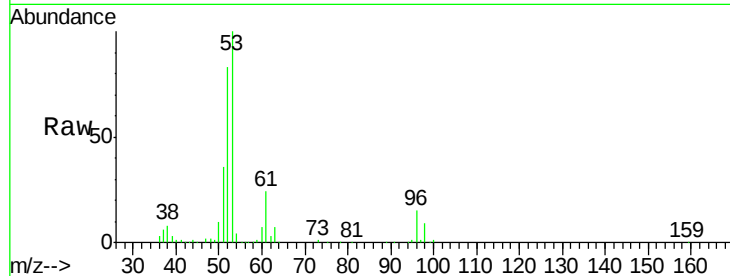
ClientSampleId :

VSTDICCC050

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 113074 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 83.5 | 66.6  | 100.0  |
| 51        | 38.4 | 30.8  | 46.2   |

Manual Integrations  
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MMDadoda  
9/12/2019 9:00:30 AM



#16

Acetone

Concen: 257.886 ug/l

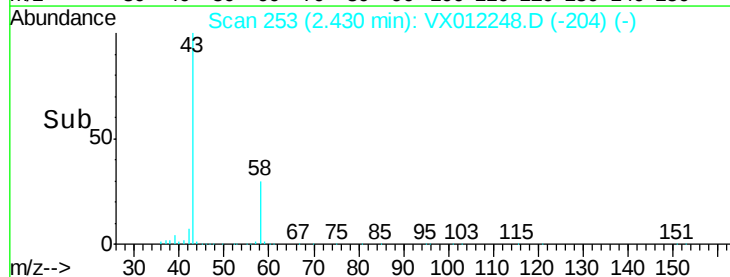
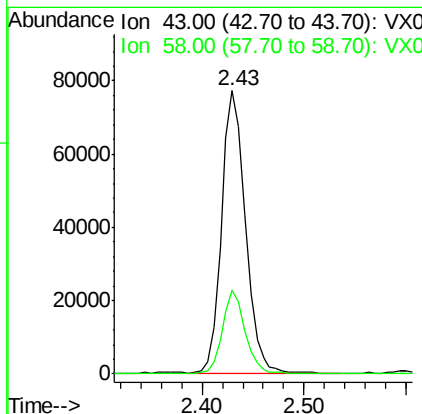
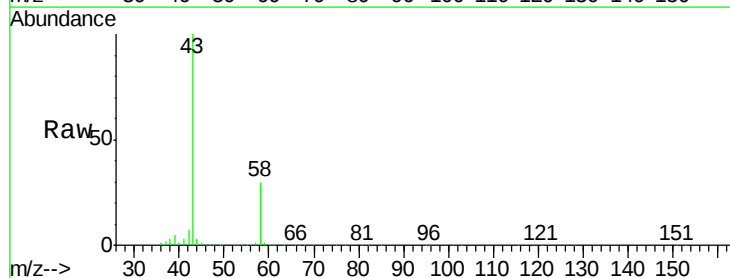
RT: 2.43 min Scan# 253

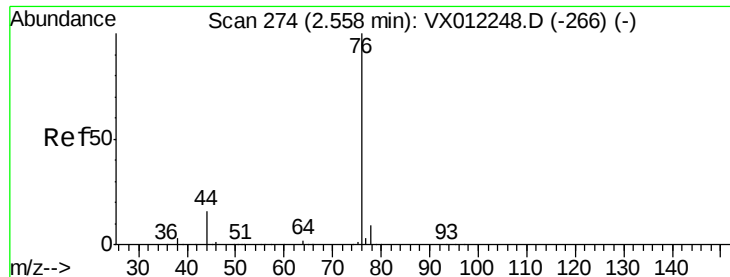
Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 125468 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 29.5 | 23.0  | 34.4   |





#17

Carbon Disulfide

Concen: 49.211 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 123285

Ion Ratio Lower Upper

76 100

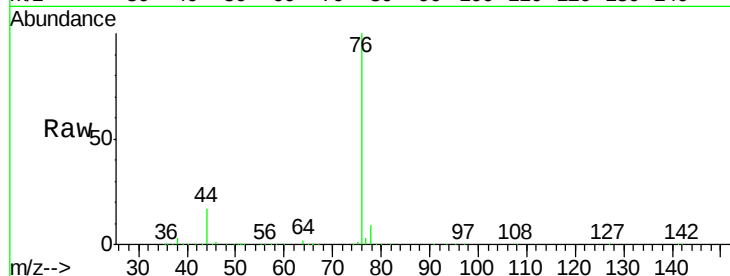
78 9.3 8.1 12.1

Manual Integrations

APPROVED

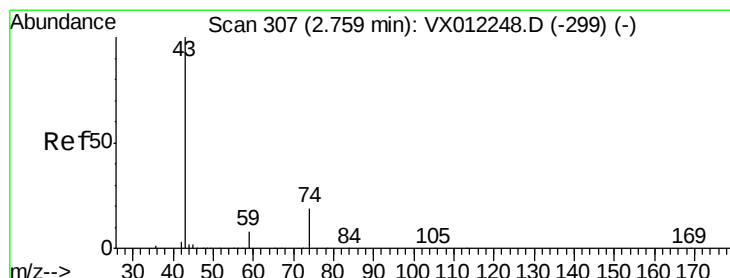
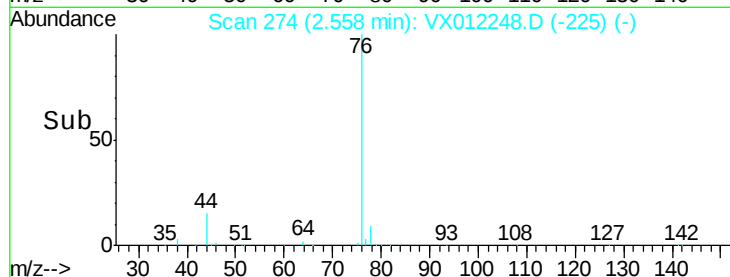
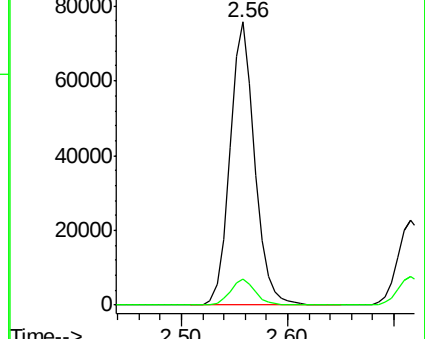
MMDadoda

9/12/2019 9:00:30 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 44.850 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX012248.D

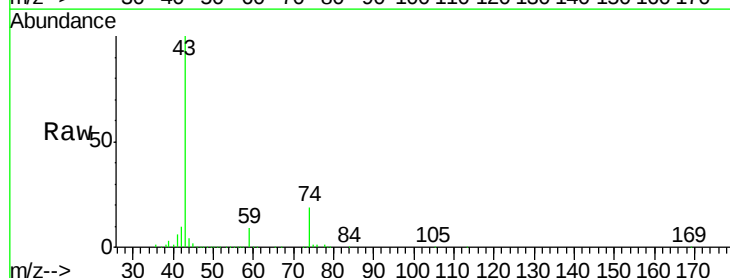
Acq: 10 Sep 2019 10:28

Tgt Ion: 43 Resp: 55447

Ion Ratio Lower Upper

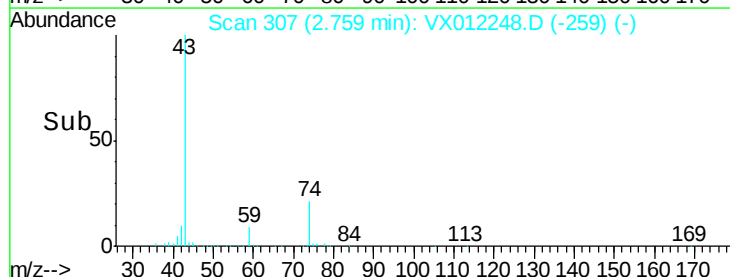
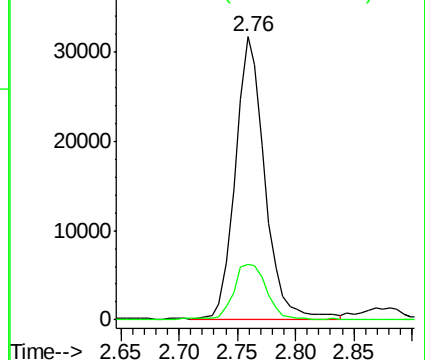
43 100

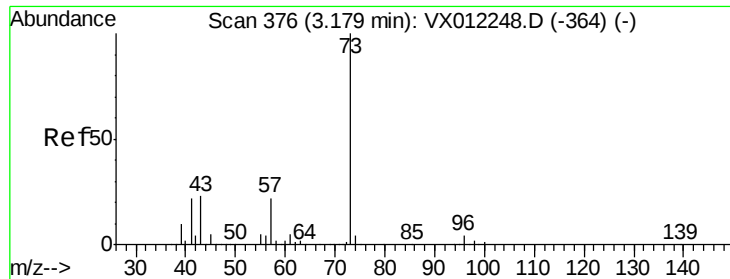
74 22.9 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





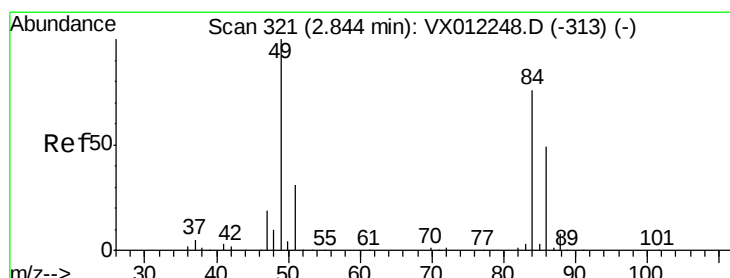
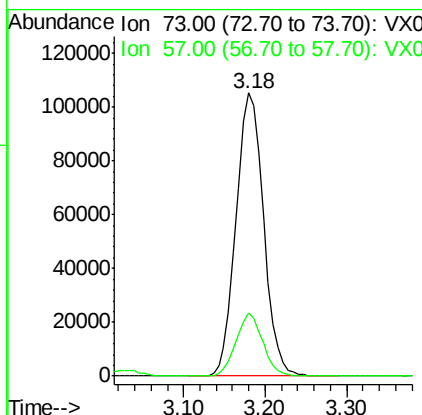
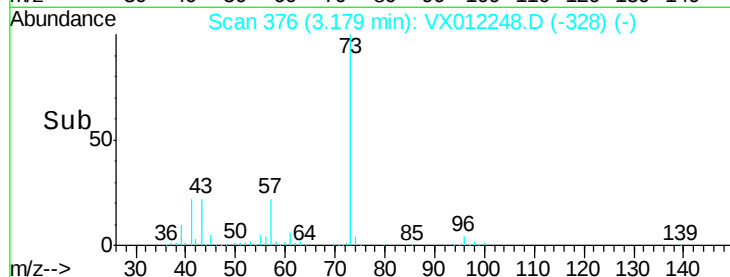
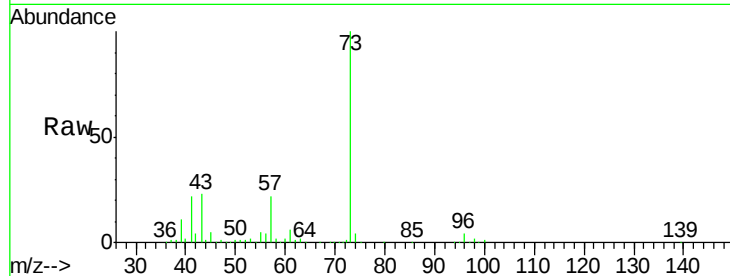
#19  
Methyl tert-butyl Ether  
Concen: 49.037 ug/l  
RT: 3.18 min Scan# 376  
Delta R.T. -0.01 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.1  | 16.6  | 25.0  |

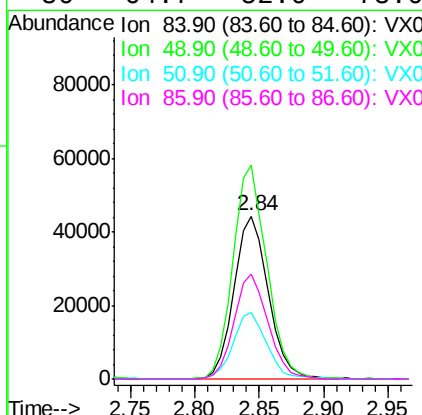
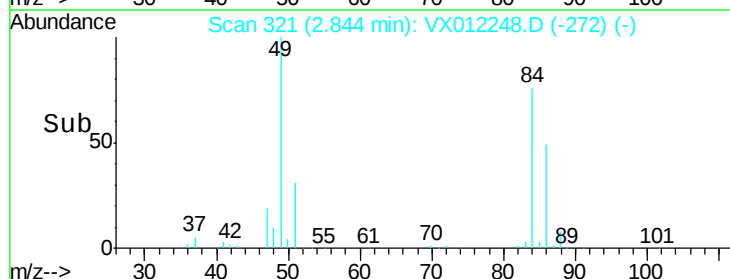
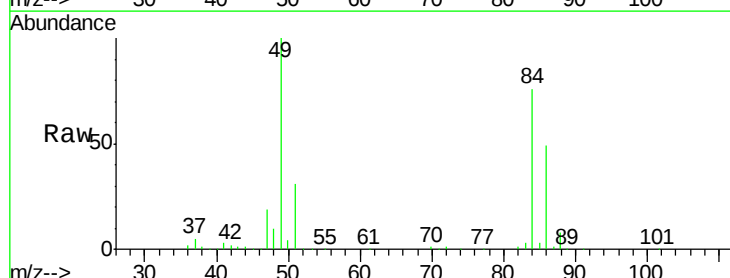
Manual Integrations  
APPROVED

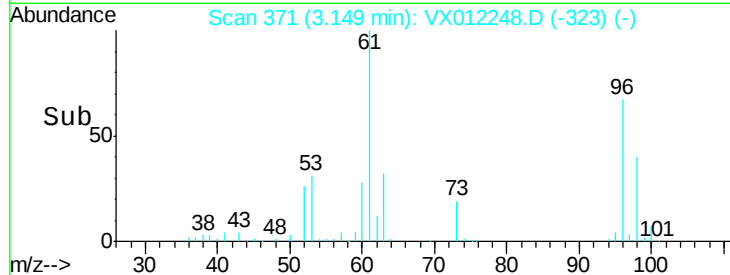
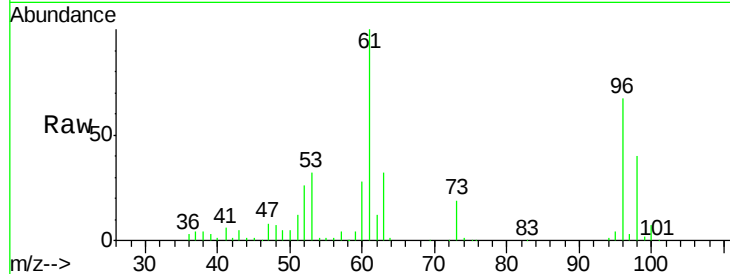
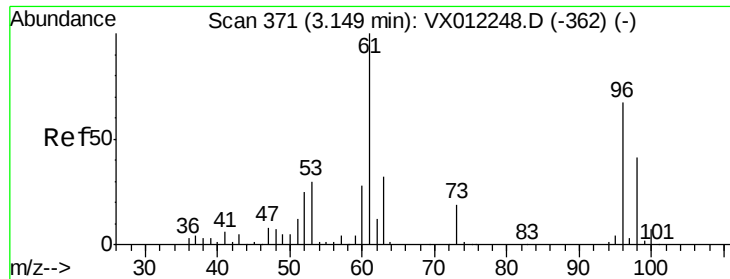
MMDadoda  
9/12/2019 9:00:30 AM



#20  
Methylene Chloride  
Concen: 40.094 ug/l  
RT: 2.84 min Scan# 321  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 131.3 | 107.0 | 160.4 |
| 51      | 40.7  | 31.4  | 47.0  |
| 86      | 64.7  | 52.0  | 78.0  |





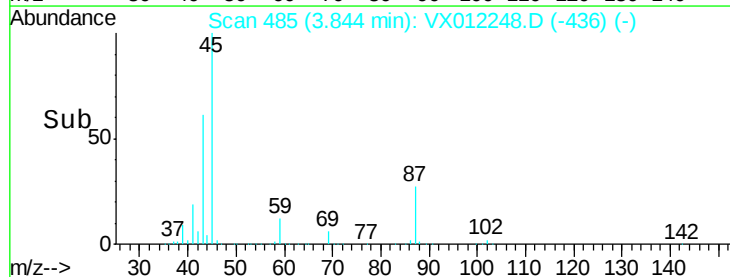
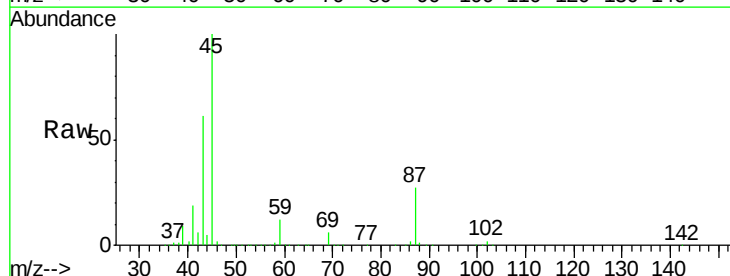
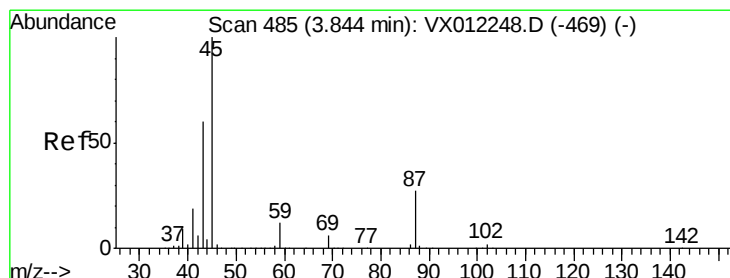
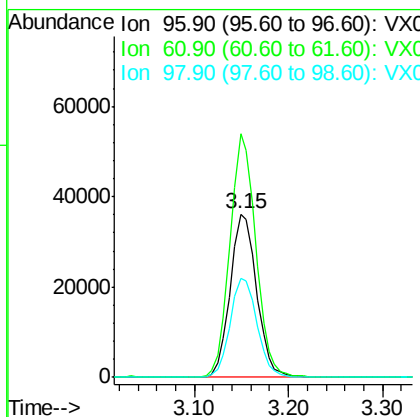
#21  
trans-1,2-Dichloroethene  
Concen: 48.126 ug/l  
RT: 3.15 min Scan# 371  
Delta R.T. -0.01 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 149.3 | 112.0 | 168.0 |
| 98      | 60.5  | 50.5  | 75.7  |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

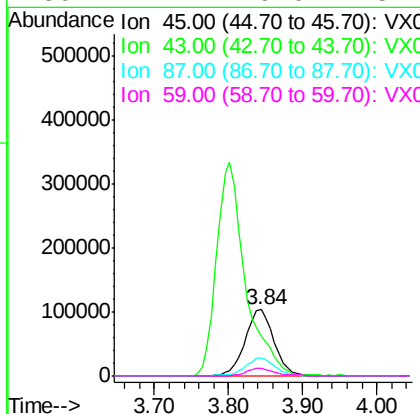
Manual Integrations  
APPROVED

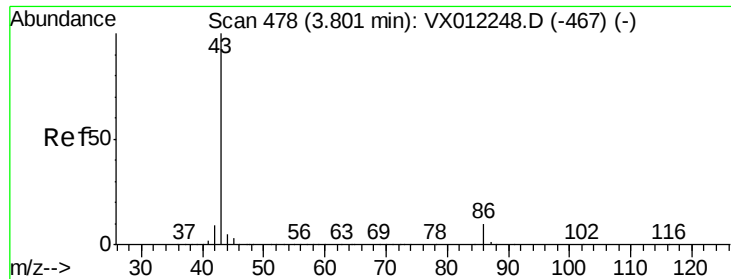
MMDadoda  
9/12/2019 9:00:30 AM



#22  
Diisopropyl ether  
Concen: 48.650 ug/l  
RT: 3.84 min Scan# 485  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 60.4  | 51.7  | 77.5  |
| 87      | 27.3  | 21.6  | 32.4  |
| 59      | 11.4  | 9.0   | 13.4  |





#23

Vinyl Acetate

Concen: 251.632 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 899776

Ion Ratio Lower Upper

43 100

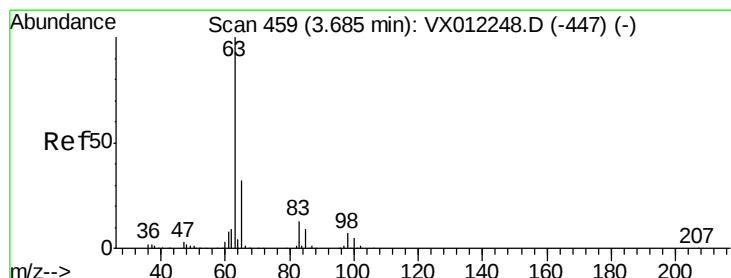
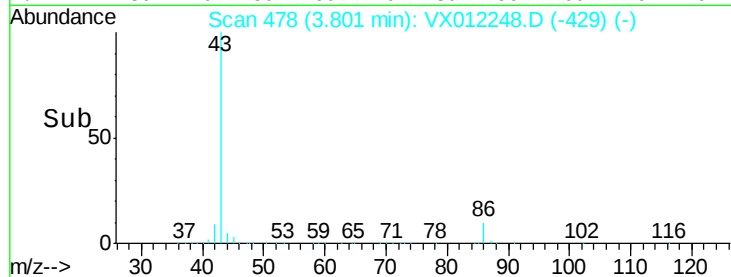
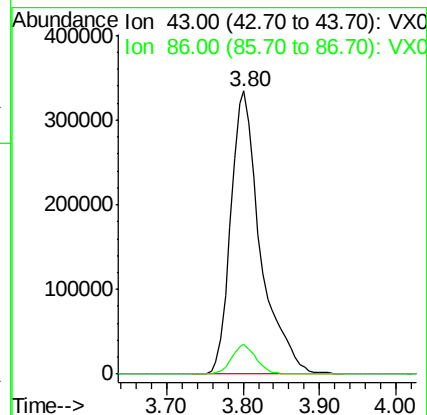
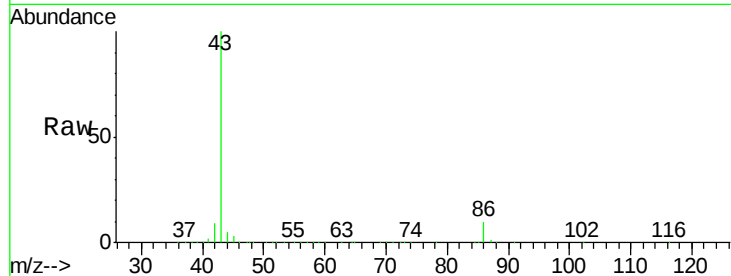
86 10.4 8.2 12.4

Manual Integrations

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9/12/2019 9:00:30 AM



#24

1,1-Dichloroethane

Concen: 48.345 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

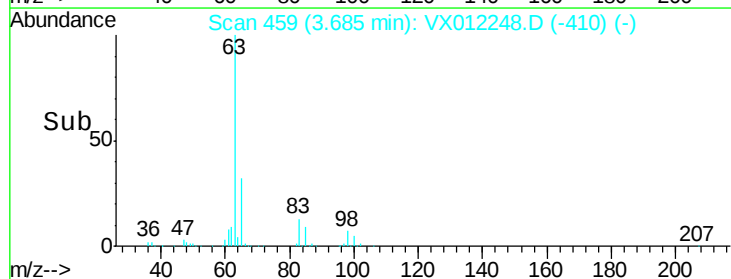
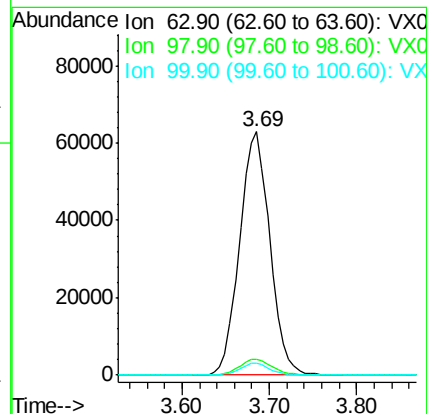
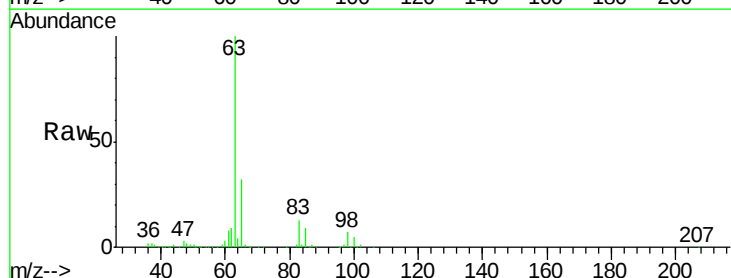
Tgt Ion: 63 Resp: 151145

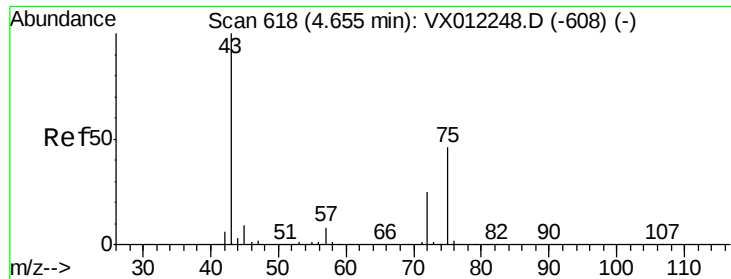
Ion Ratio Lower Upper

63 100

98 6.7 3.8 11.2

100 4.8 2.1 6.3





#25

2-Butanone

Concen: 250.520 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 167101

Ion Ratio Lower Upper

43 100

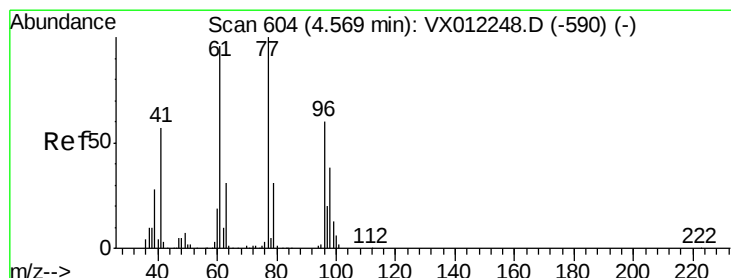
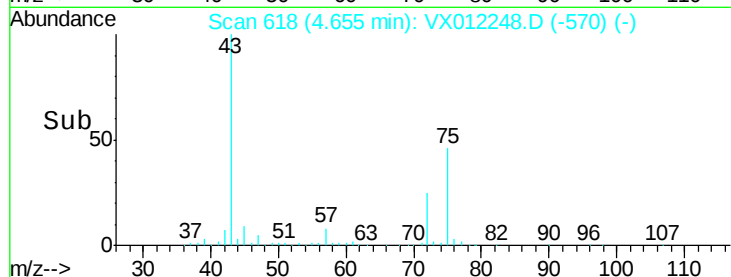
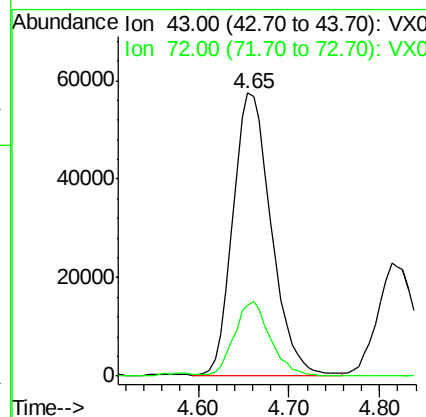
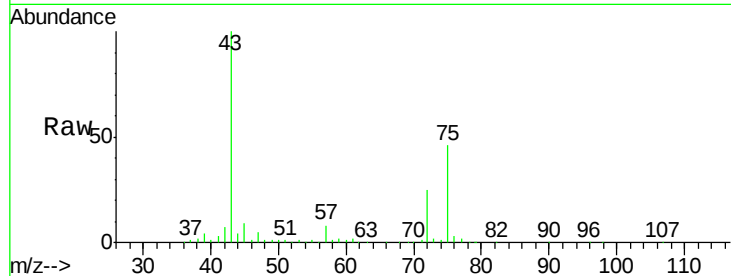
72 25.2 19.2 28.8

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 48.977 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012248.D

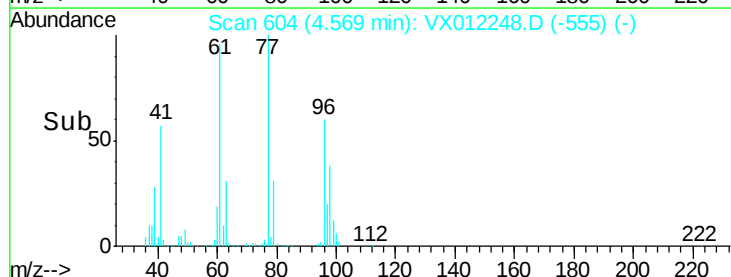
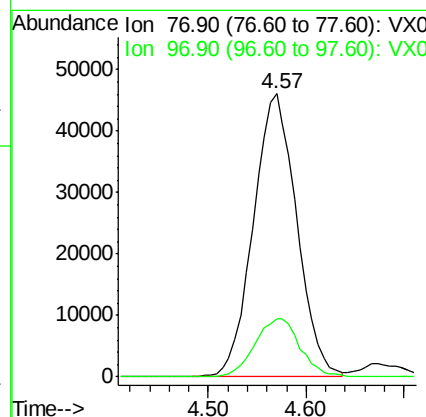
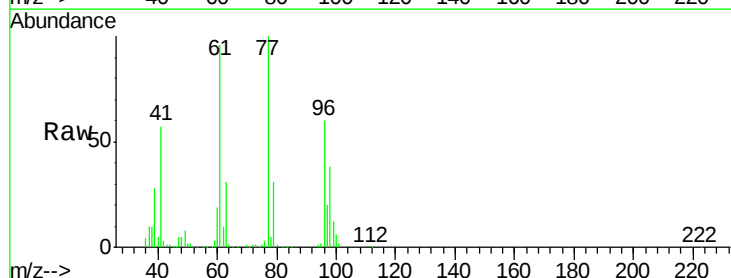
Acq: 10 Sep 2019 10:28

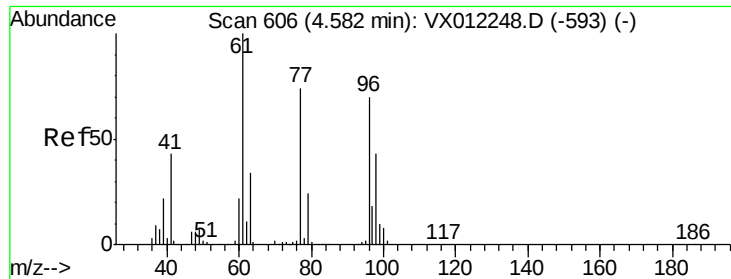
Tgt Ion: 77 Resp: 142007

Ion Ratio Lower Upper

77 100

97 21.4 10.4 31.4





#27

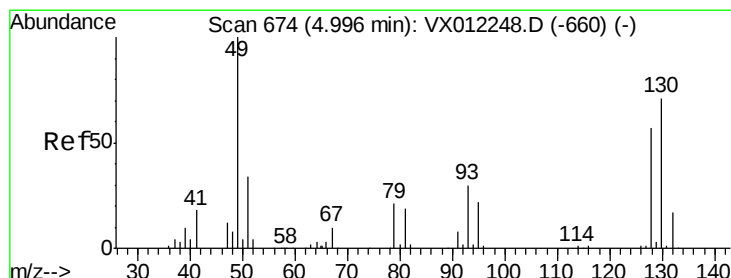
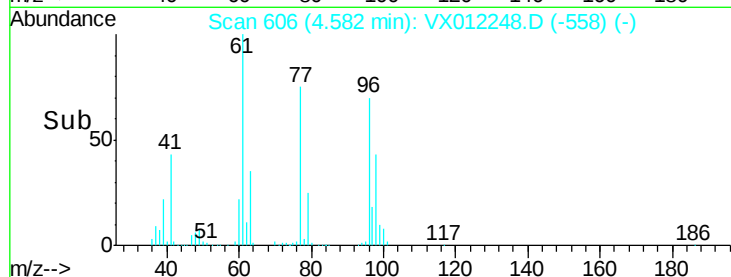
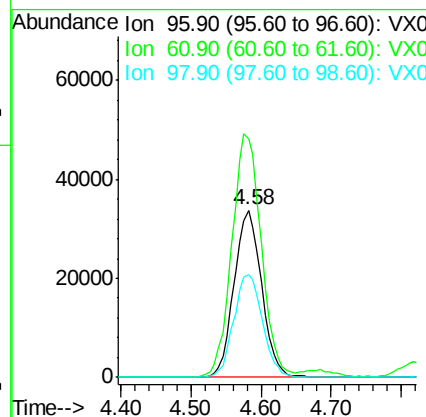
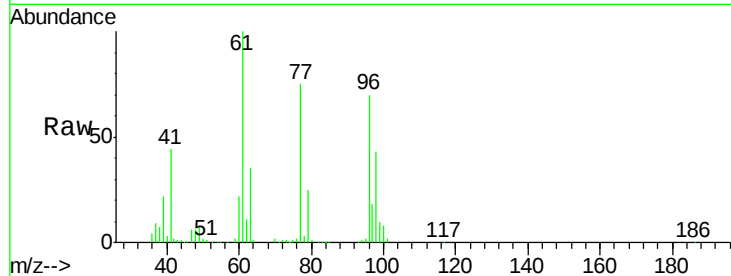
cis-1,2-Dichloroethene  
Concen: 47.688 ug/l  
RT: 4.58 min Scan# 606  
Delta R.T. -0.01 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 155.2 | 0.0   | 313.2 |
| 98      | 64.4  | 0.0   | 127.8 |

Manual Integrations  
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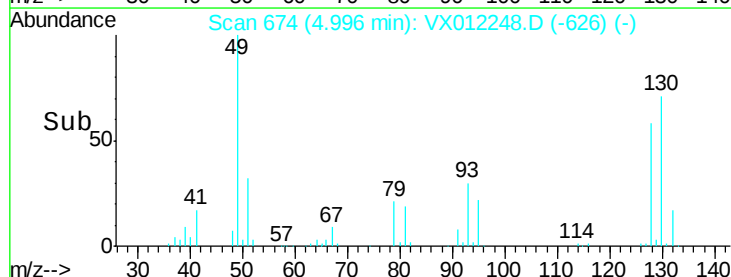
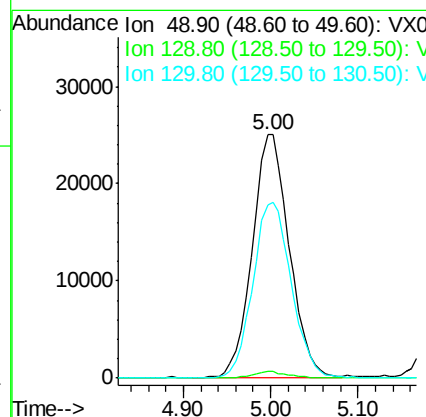
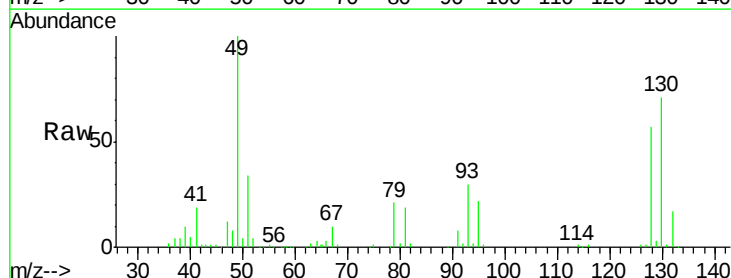
MMDadoda  
9/12/2019 9:00:30 AM

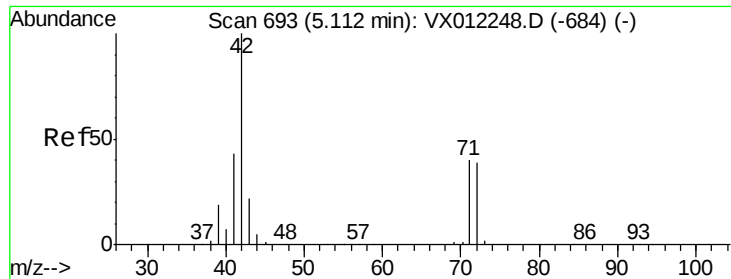


#28

Bromochloromethane  
Concen: 51.497 ug/l  
RT: 5.00 min Scan# 674  
Delta R.T. -0.01 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.6   | 0.0   | 4.4   |
| 130     | 75.1  | 59.7  | 89.5  |





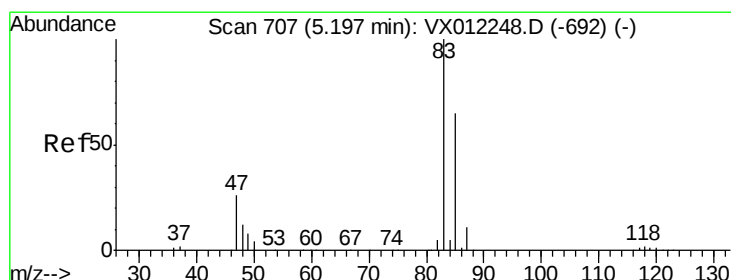
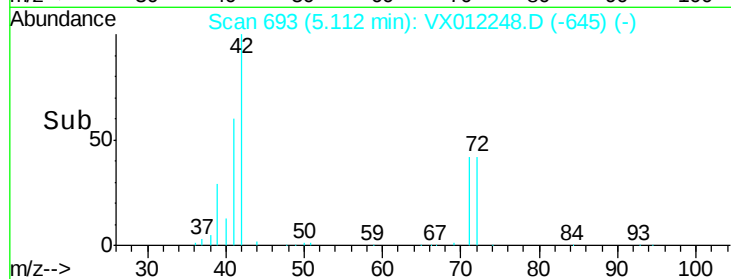
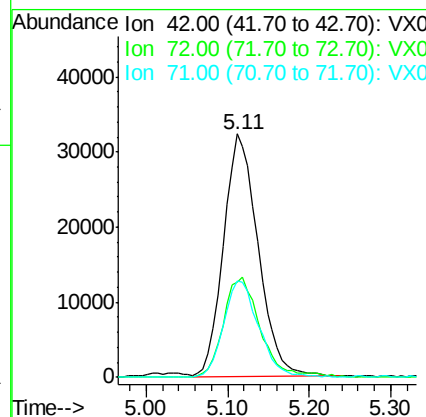
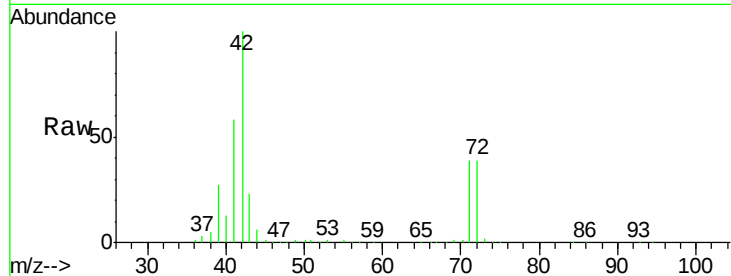
#29  
Tetrahydrofuran  
Concen: 234.859 ug/l  
RT: 5.11 min Scan# 693  
Delta R.T. -0.01 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.0  | 34.9  | 52.3  |
| 71      | 40.6  | 31.9  | 47.9  |

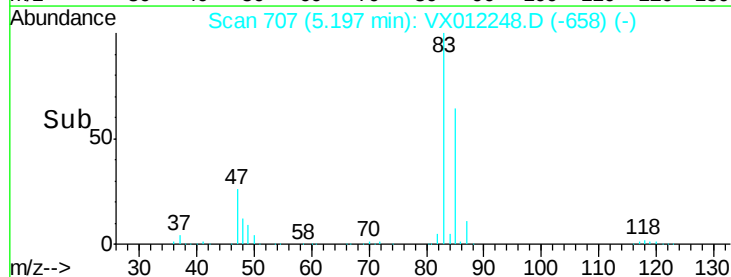
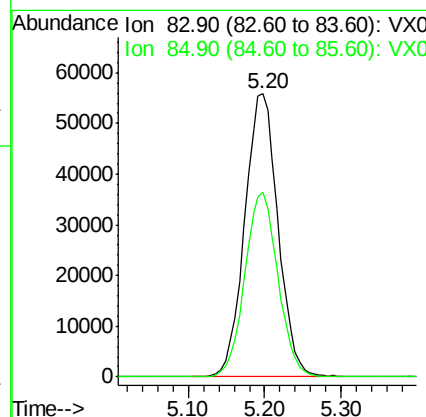
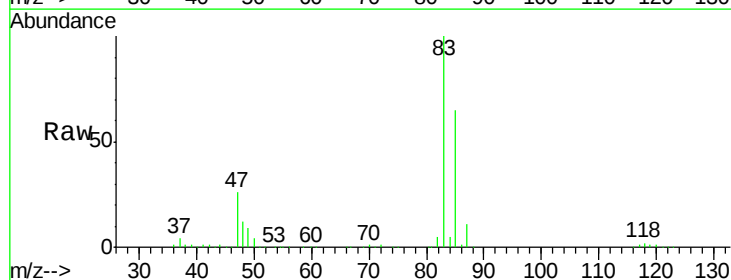
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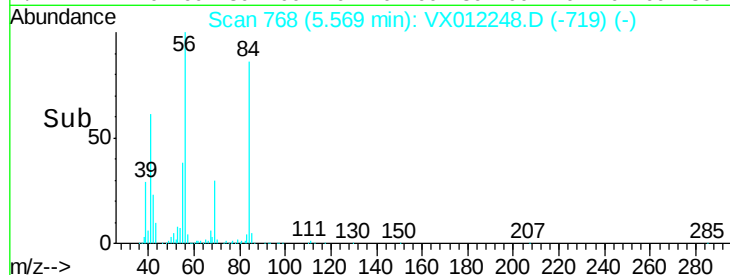
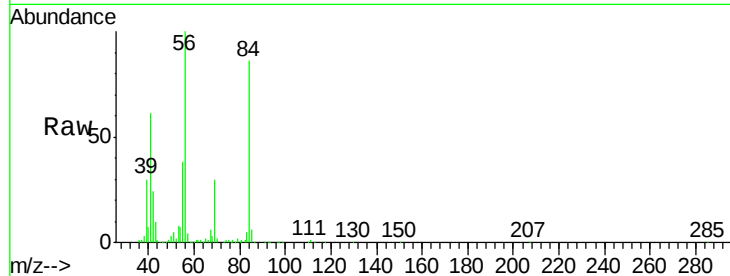
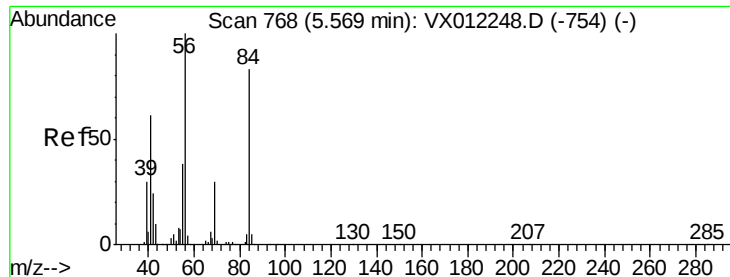
MMDadoda  
9/12/2019 9:00:30 AM



#30  
Chloroform  
Concen: 47.185 ug/l  
RT: 5.20 min Scan# 707  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.4  | 52.0  | 78.0  |





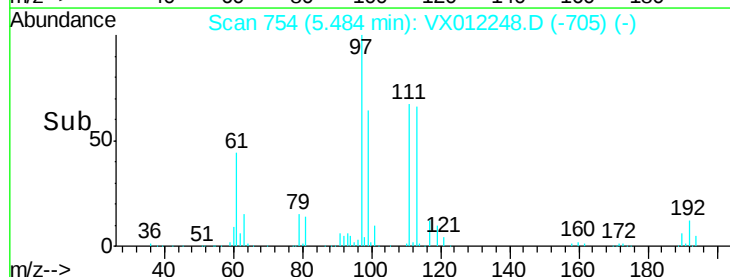
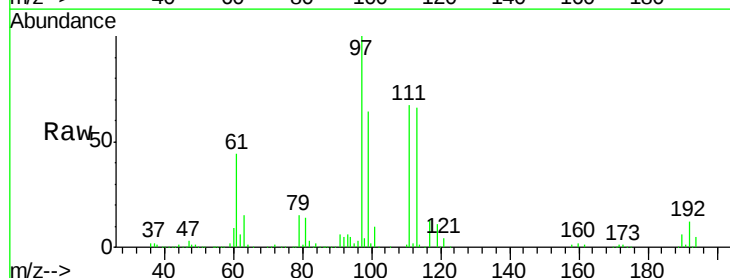
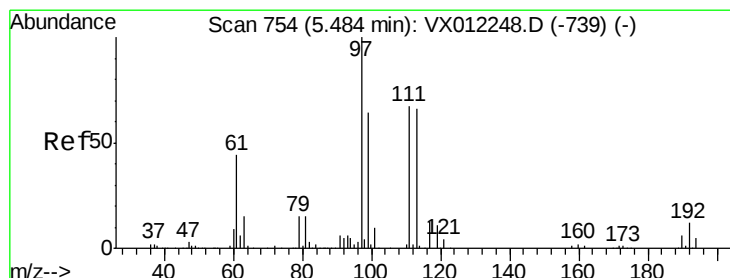
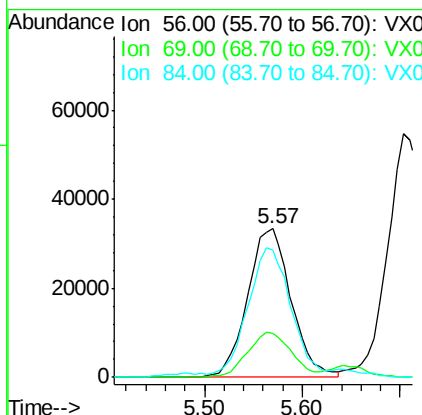
#31  
Cyclohexane  
Concen: 49.095 ug/l  
RT: 5.57 min Scan# 768  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 29.7  | 22.9  | 34.3  |
| 84      | 83.3  | 68.2  | 102.4 |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

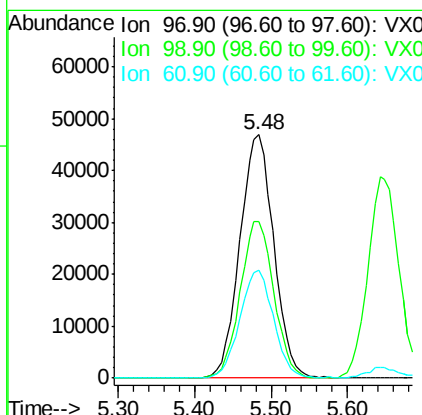
Manual Integrations  
APPROVED

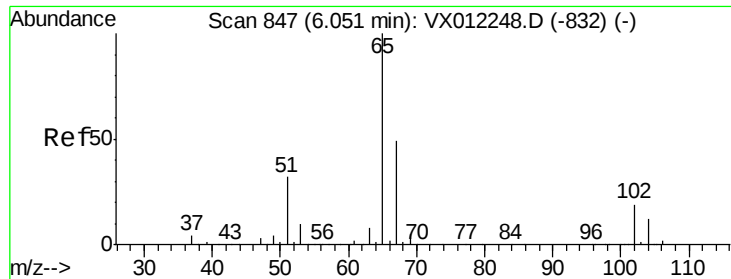
MMDadoda  
9/12/2019 9:00:30 AM



#32  
1,1,1-Trichloroethane  
Concen: 48.869 ug/l  
RT: 5.48 min Scan# 754  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.1  | 50.9  | 76.3  |
| 61      | 44.2  | 36.1  | 54.1  |





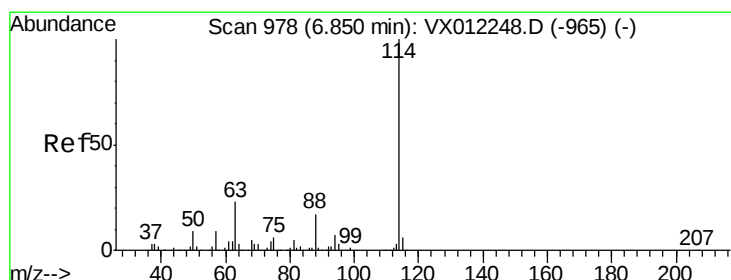
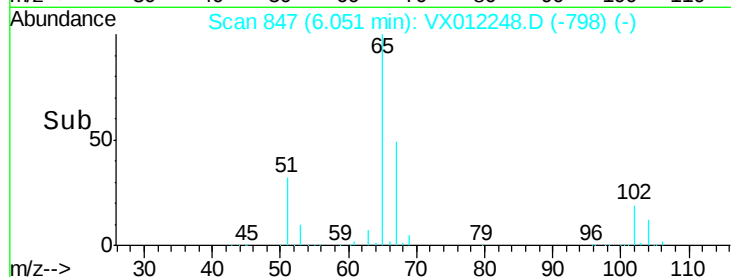
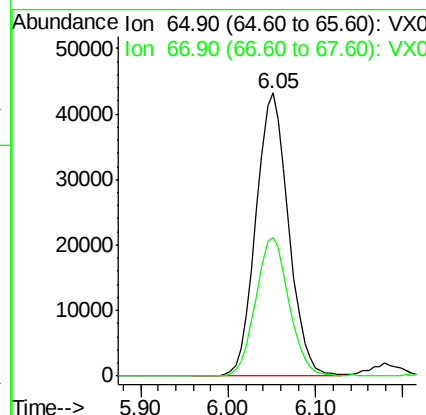
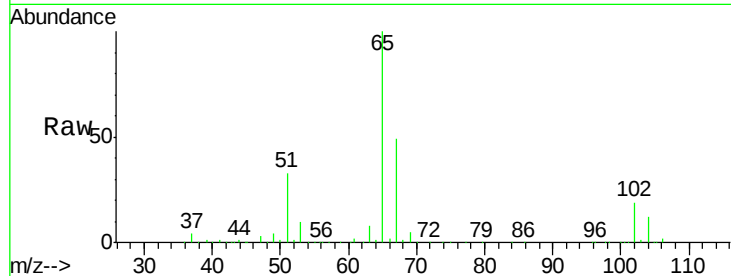
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.629 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. 0.00 min  
 Lab File: VX012248.D  
 Acq: 10 Sep 2019 10:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 111944 |       |       |
| 67      | 49.9  | 0.0    | 98.8  |       |

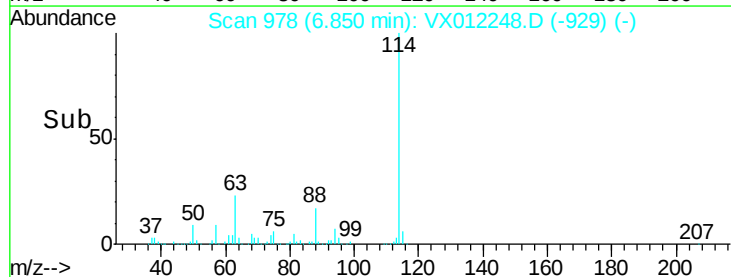
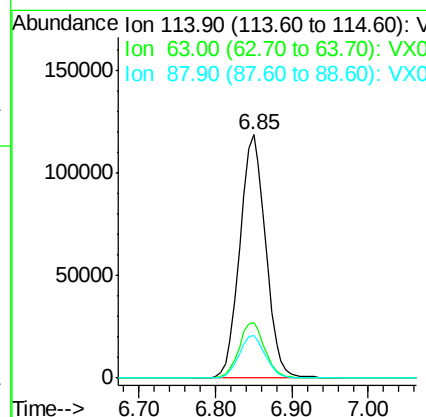
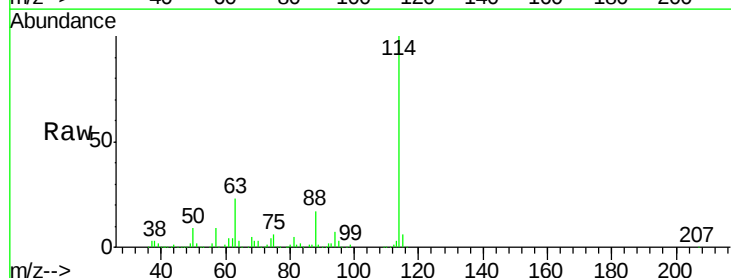
Manual Integrations  
 APPROVED

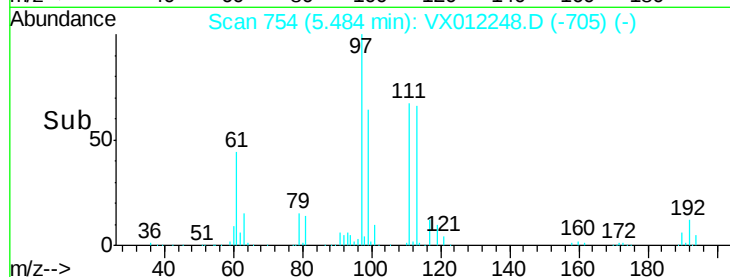
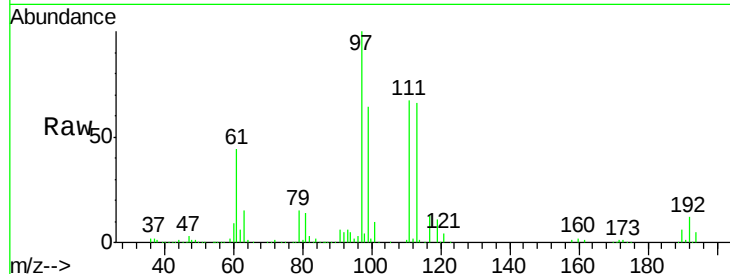
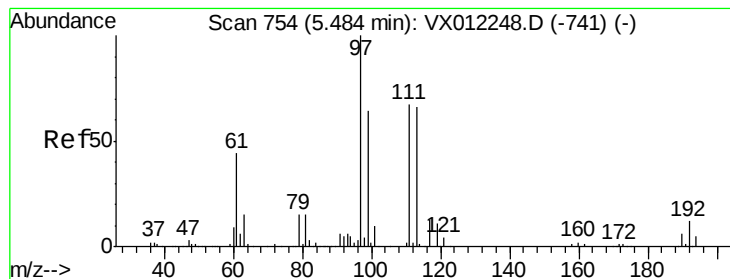
MMDadoda  
 9/12/2019 9:00:30 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. 0.00 min  
 Lab File: VX012248.D  
 Acq: 10 Sep 2019 10:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 277396 |       |       |
| 63      | 22.6  | 0.0    | 45.8  |       |
| 88      | 17.4  | 0.0    | 34.8  |       |





#35

Dibromofluoromethane

Concen: 47.503 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012248.D

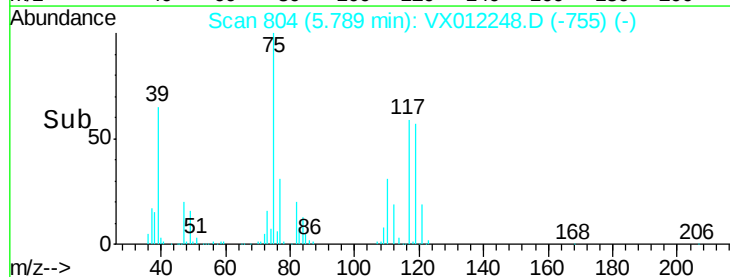
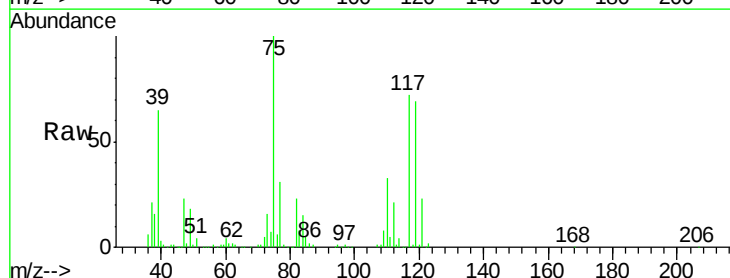
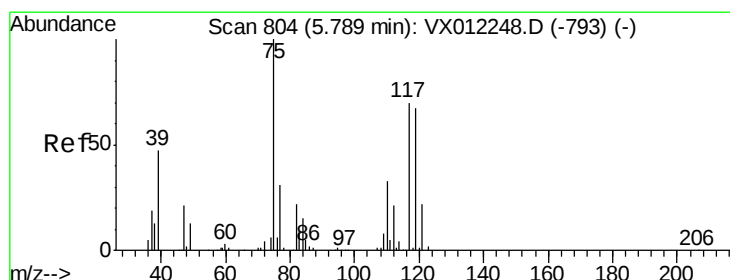
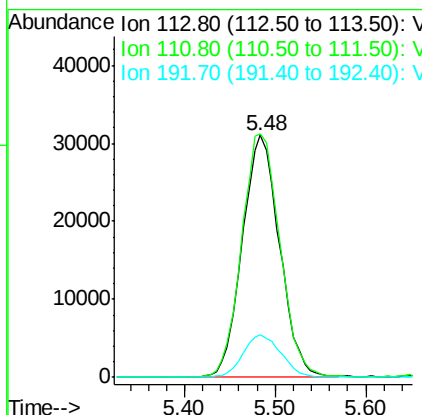
Acq: 10 Sep 2019 10:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 88307 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.8 | 82.8  | 124.2 |
| 192      | 17.9  | 14.0  | 21.0  |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
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9/12/2019 9:00:30 AM



#36

1,1-Dichloropropene

Concen: 48.805 ug/l

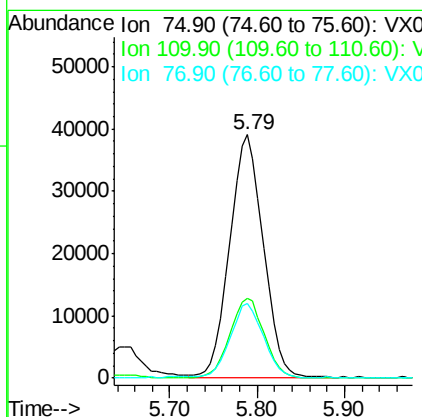
RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 104164 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 33.6  | 17.5  | 52.5   |
| 77       | 30.6  | 24.2  | 36.2   |





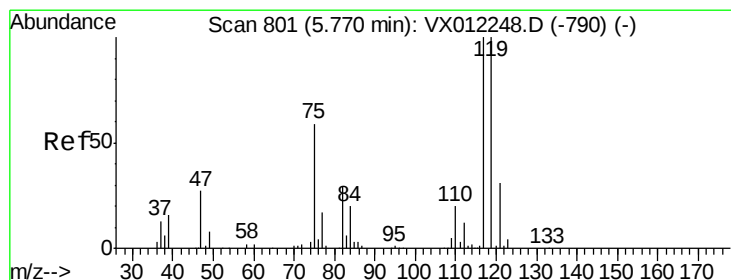
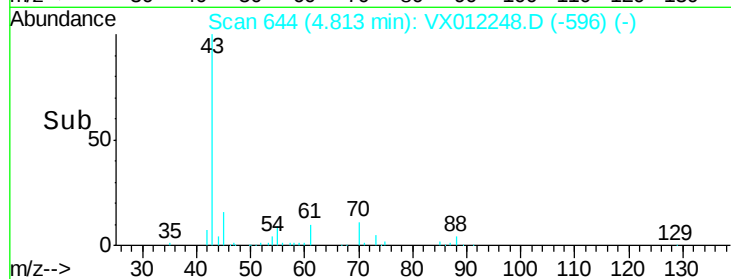
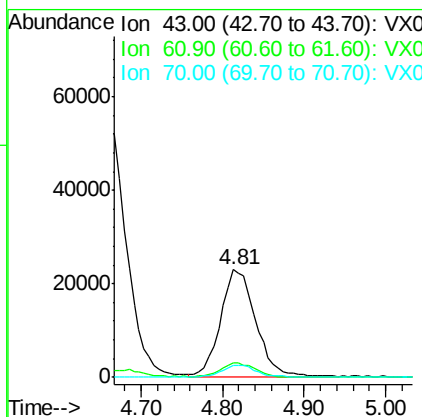
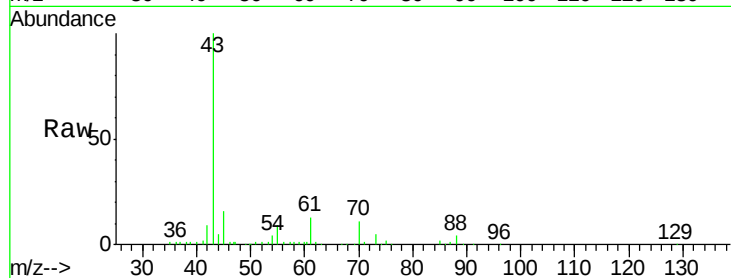
#37  
Ethyl Acetate  
Concen: 47.783 ug/l  
RT: 4.81 min Scan# 644  
Delta R.T. -0.01 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.9  | 10.7  | 16.1  |
| 70      | 11.4  | 9.0   | 13.4  |

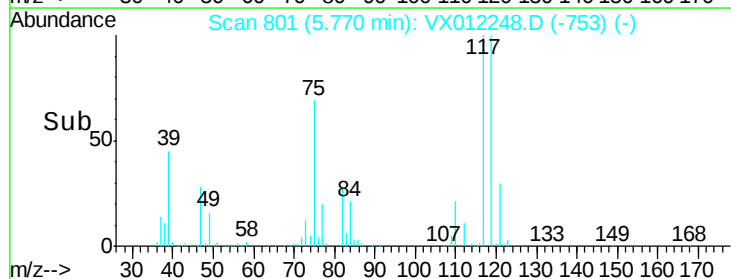
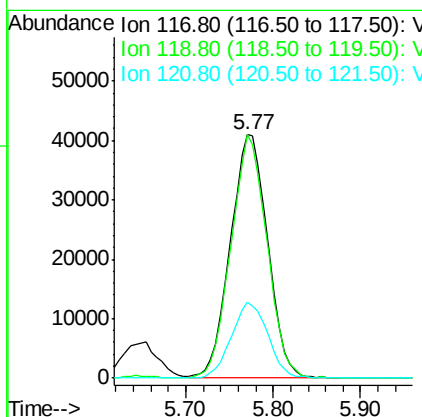
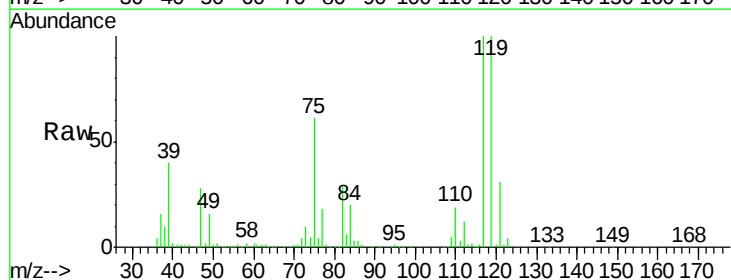
Manual Integrations  
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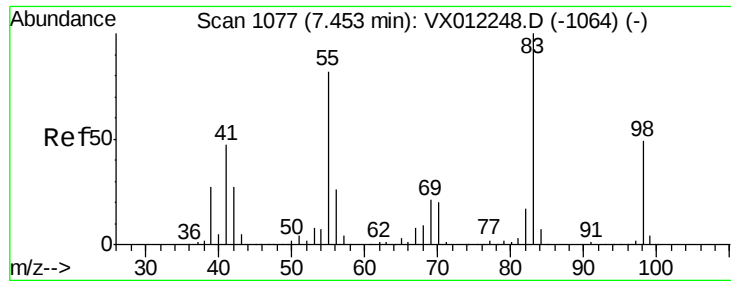
MMDadoda  
9/12/2019 9:00:30 AM



#38  
Carbon Tetrachloride  
Concen: 49.664 ug/l  
RT: 5.77 min Scan# 801  
Delta R.T. -0.01 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 99.5  | 73.4  | 110.2 |
| 121     | 30.9  | 25.0  | 37.6  |





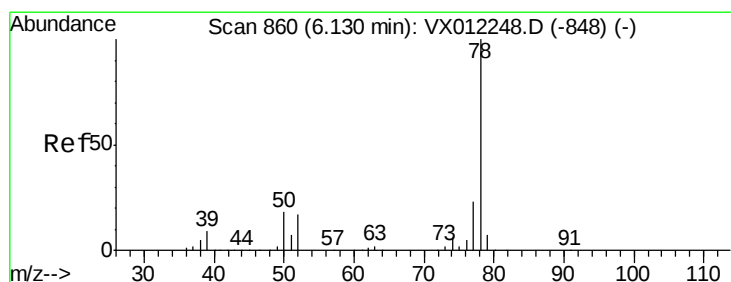
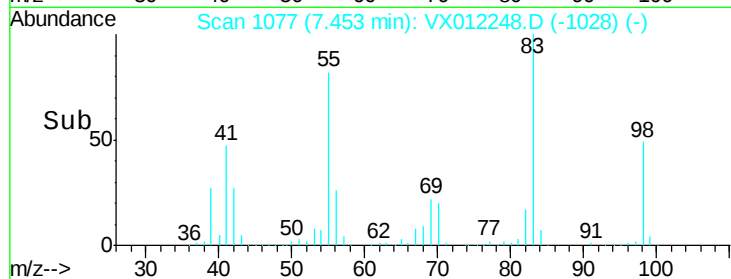
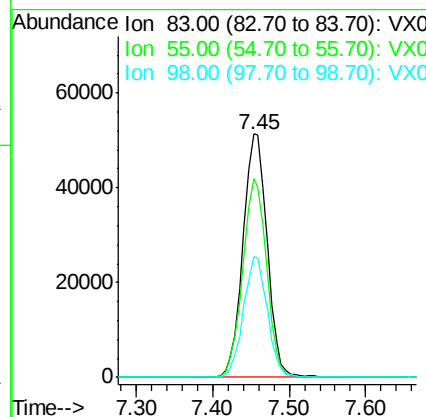
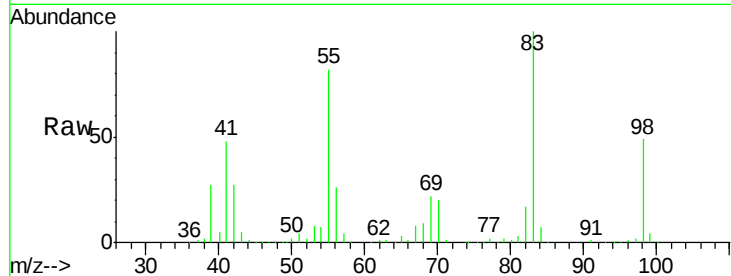
#39  
Methvlcvclohexane  
Concen: 50.224 ug/l  
RT: 7.45 min Scan# 1077  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 112795 |       |       |
| 55      | 81.8  | 62.6   | 93.8  |       |
| 98      | 49.5  | 39.0   | 58.6  |       |

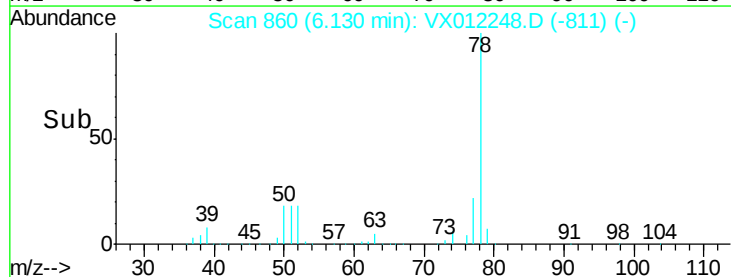
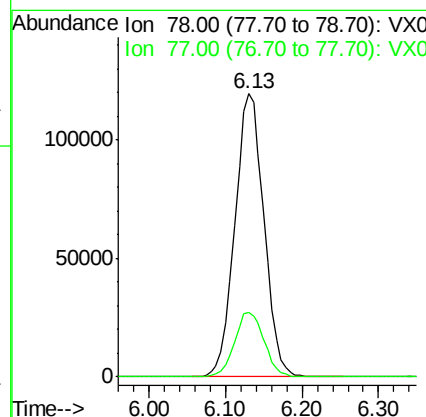
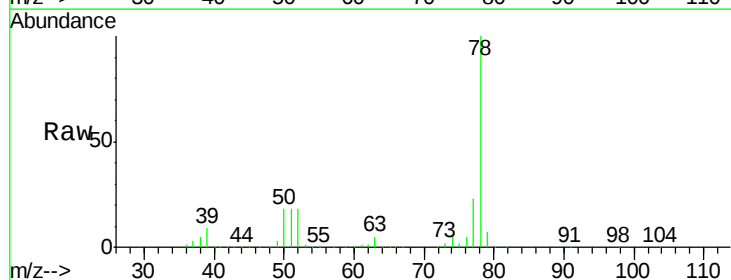
Manual Integrations  
APPROVED

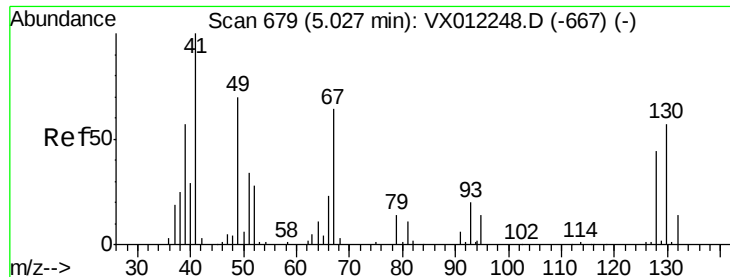
MMDadoda  
9/12/2019 9:00:30 AM



#40  
Benzene  
Concen: 48.427 ug/l  
RT: 6.13 min Scan# 860  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 313582 |       |       |
| 77      | 22.5  | 17.8   | 26.6  |       |





#41

Methacrylonitrile

Concen: 46.965 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012248.D

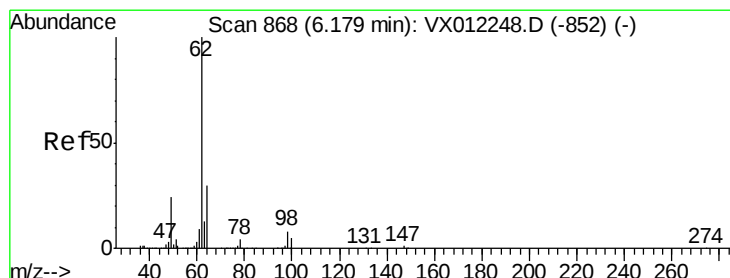
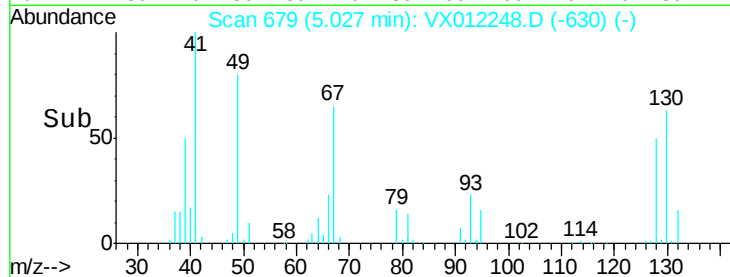
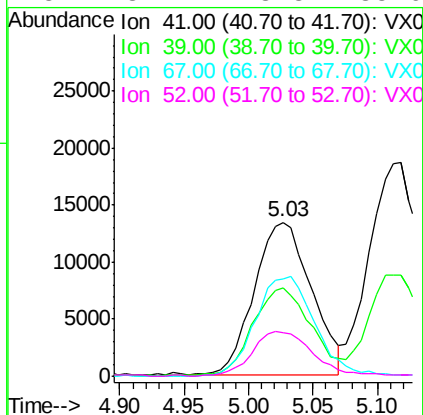
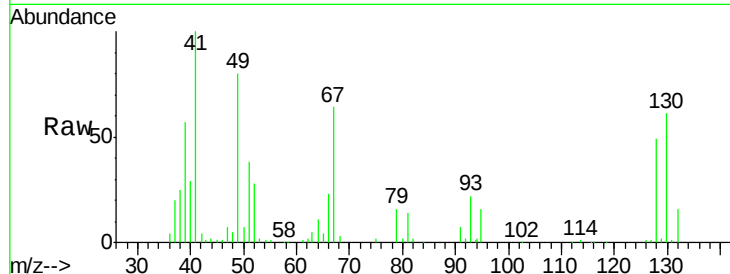
Acq: 10 Sep 2019 10:28

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 41      | 100  |       | 40866 |       |       |
| 39      | 61.2 | 47.0  | 70.6  |       |       |
| 67      | 68.7 | 52.6  | 79.0  |       |       |
| 52      | 31.7 | 23.8  | 35.6  |       |       |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
APPROVED

MMDadoda  
9/12/2019 9:00:30 AM



#42

1,2-Dichloroethane

Concen: 47.923 ug/l

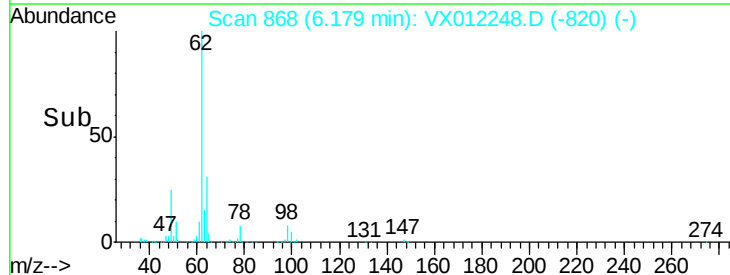
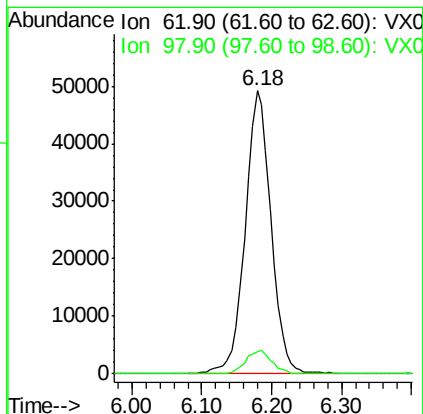
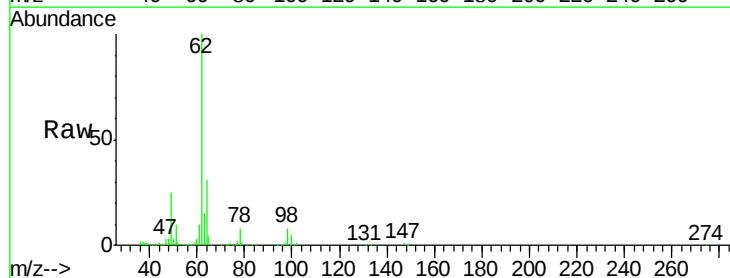
RT: 6.18 min Scan# 868

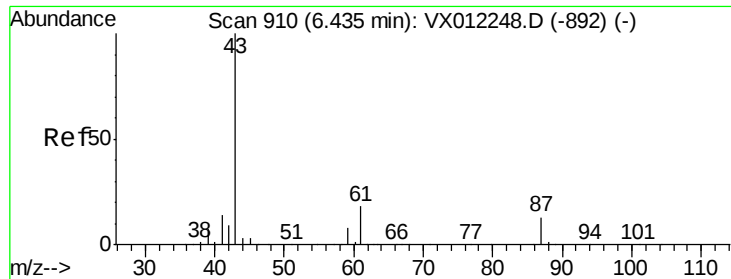
Delta R.T. -0.01 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 62      | 100 |       | 125401 |       |       |
| 98      | 8.6 | 0.0   | 16.4   |       |       |





#43

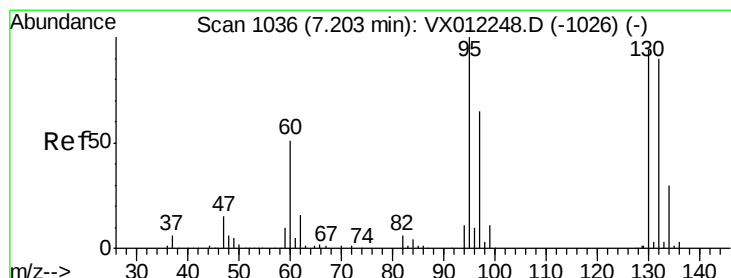
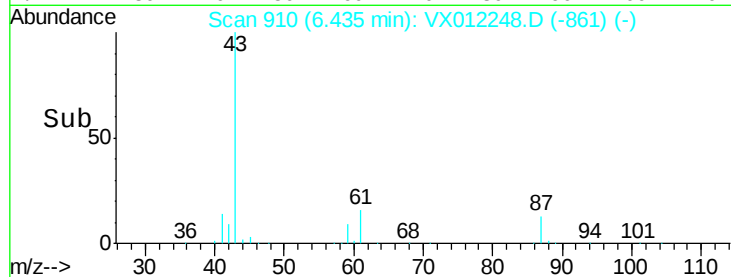
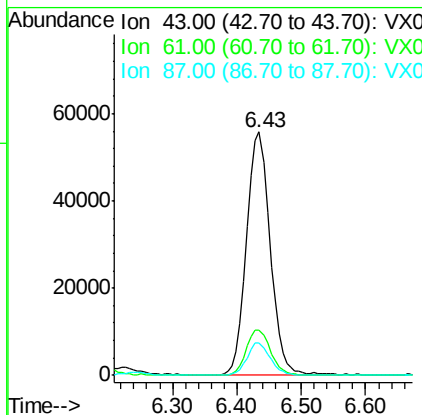
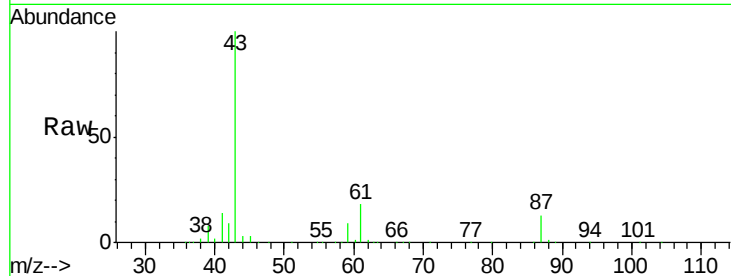
Isopropyl Acetate  
 Concen: 47.904 ug/l  
 RT: 6.43 min Scan# 910  
 Delta R.T. 0.00 min  
 Lab File: VX012248.D  
 Acq: 10 Sep 2019 10:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | 43     | 61   | 87   |
|---------|--------|------|------|
| Resp    | 139814 |      |      |
| Ratio   | 100    | 19.3 | 13.1 |
| Lower   |        | 15.4 | 9.9  |
| Upper   |        | 23.0 | 14.9 |

Manual Integrations  
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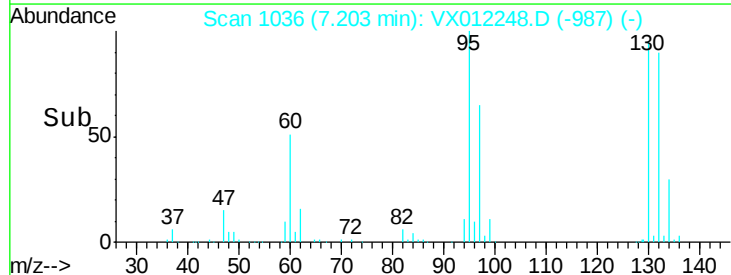
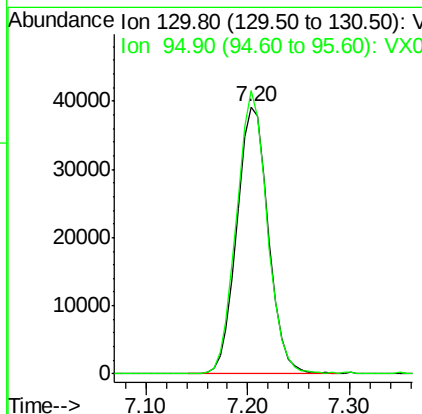
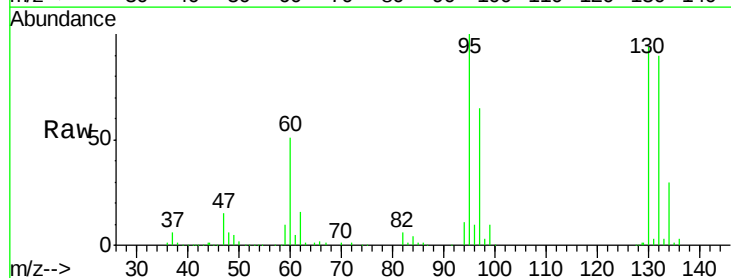
MMDadoda  
 9/12/2019 9:00:30 AM

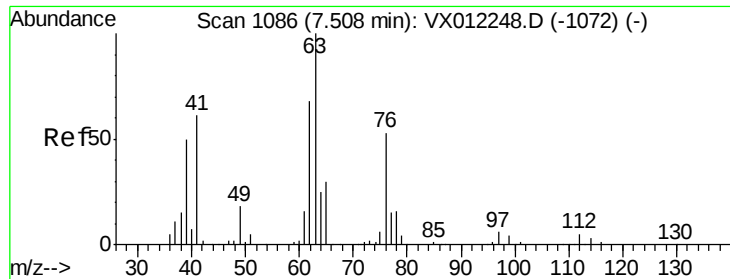


#44

Trichloroethene  
 Concen: 47.993 ug/l  
 RT: 7.20 min Scan# 1036  
 Delta R.T. 0.00 min  
 Lab File: VX012248.D  
 Acq: 10 Sep 2019 10:28

| Tgt Ion | 130   | 95    |
|---------|-------|-------|
| Resp    | 83812 |       |
| Ratio   | 100   | 106.0 |
| Lower   |       | 0.0   |
| Upper   |       | 208.0 |





#45

1,2-Dichloropropane

Concen: 47.519 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 86852

Ion Ratio Lower Upper

63 100

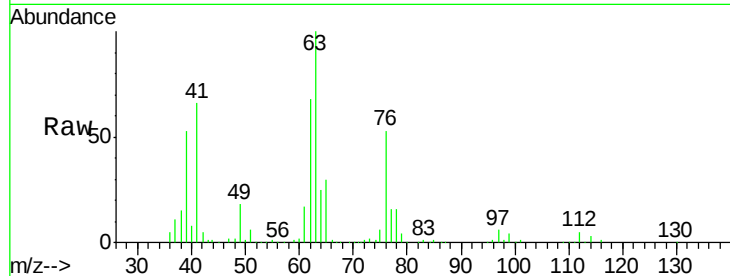
65 30.4 24.4 36.6

Manual Integrations

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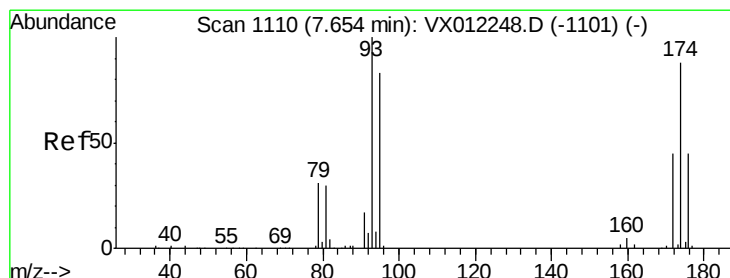
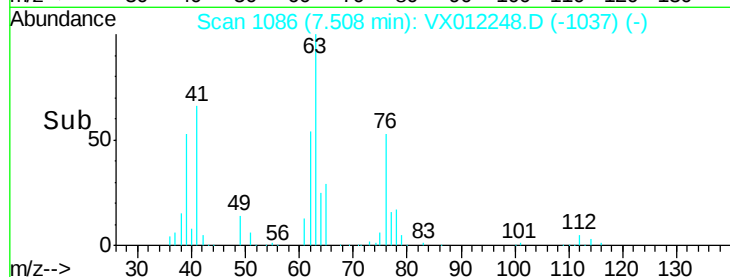
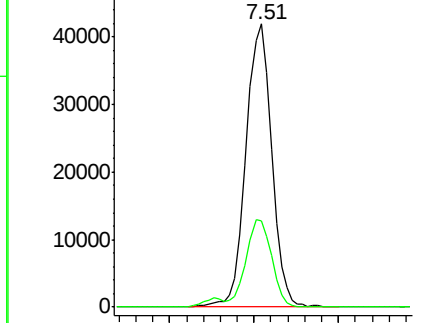
MMDadoda

9/12/2019 9:00:30 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 47.189 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

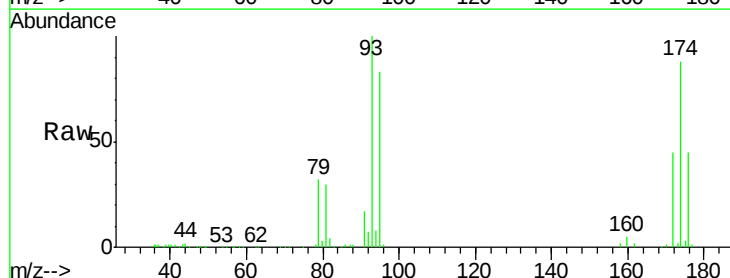
Tgt Ion: 93 Resp: 49054

Ion Ratio Lower Upper

93 100

95 82.1 64.8 97.2

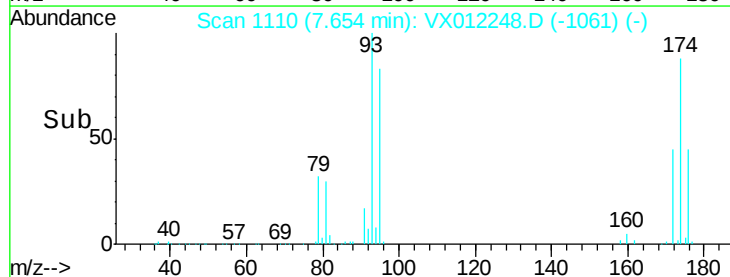
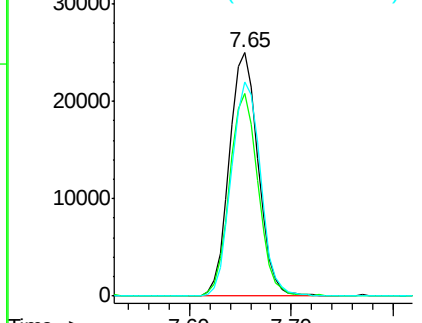
174 88.7 68.6 102.8

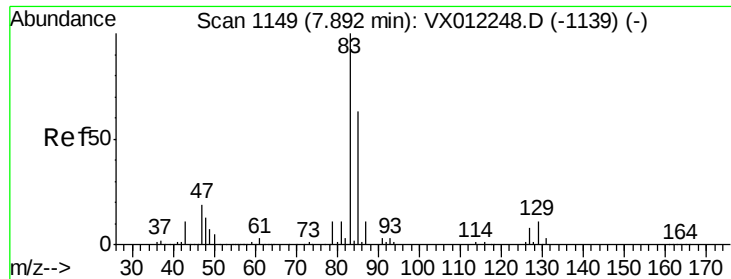


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.326 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

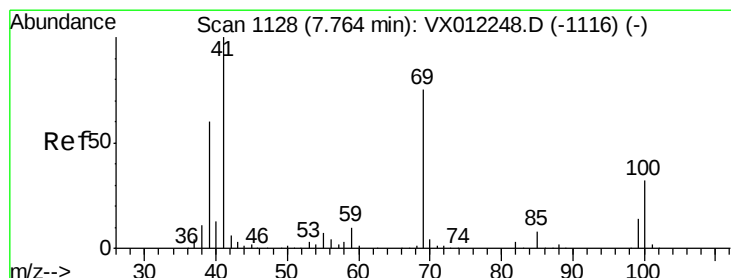
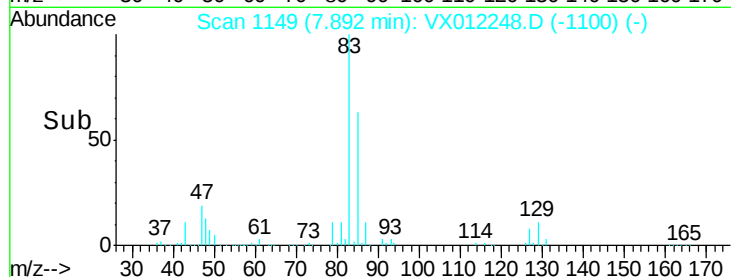
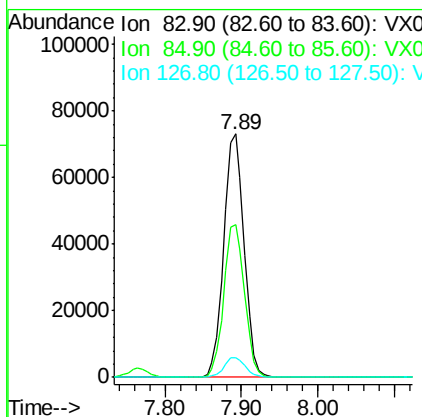
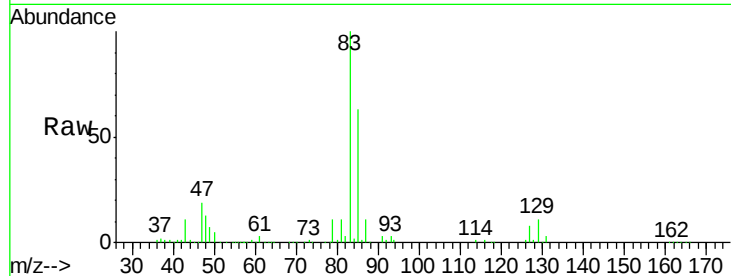
ClientSampleId :

VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 134456 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 62.8  | 51.8  | 77.6   |
| 127      | 7.9   | 6.9   | 10.3   |

Manual Integrations  
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MMDadoda  
9/12/2019 9:00:30 AM



#48

Methyl methacrylate

Concen: 48.017 ug/l

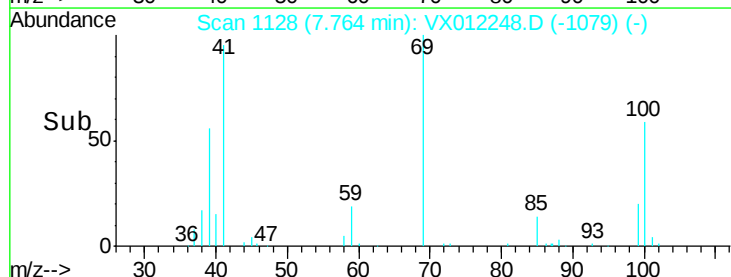
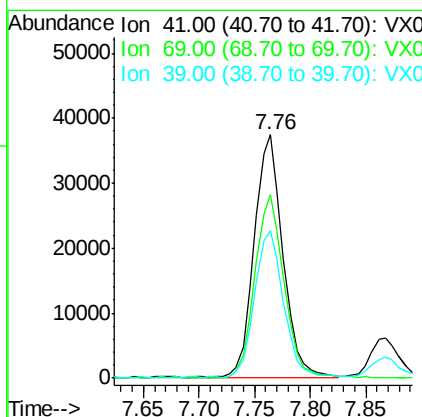
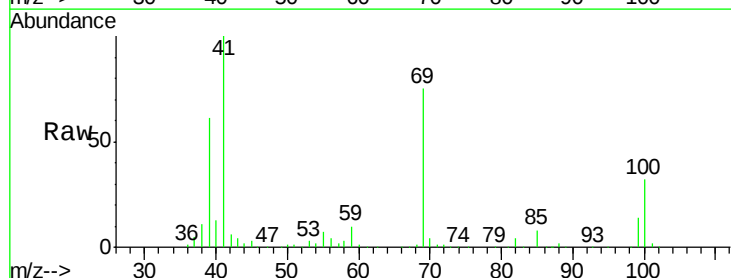
RT: 7.76 min Scan# 1128

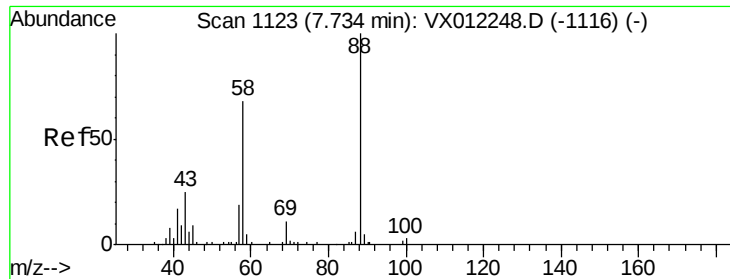
Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 67344 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 77.2  | 61.7  | 92.5  |
| 39       | 60.8  | 49.0  | 73.4  |





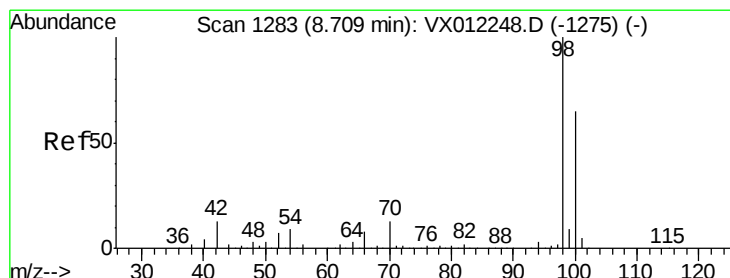
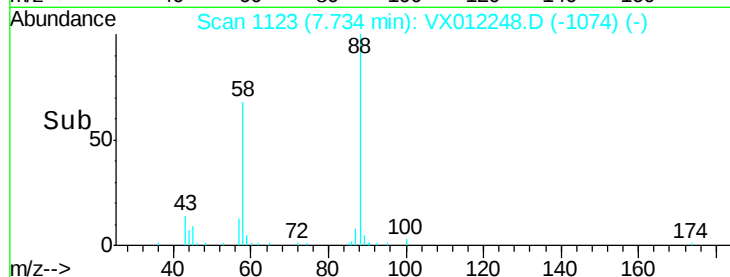
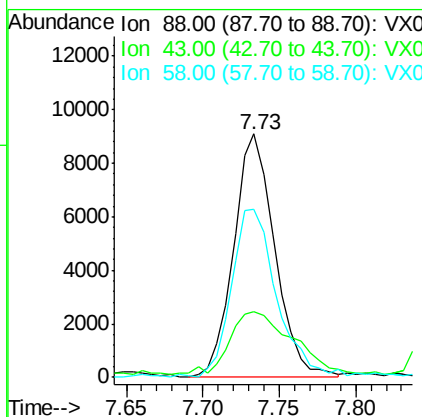
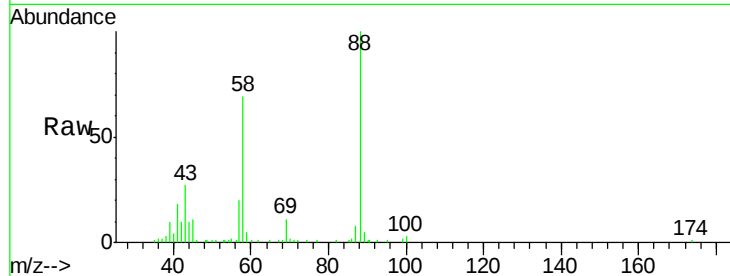
#49  
1,4-Dioxane  
Concen: 862.036 ug/l  
RT: 7.73 min Scan# 1123  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion   | 88   | Resp  | 16969 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 88        | 100  |       |       |
| 43        | 38.7 | 33.0  | 49.4  |
| 58        | 76.9 | 61.7  | 92.5  |

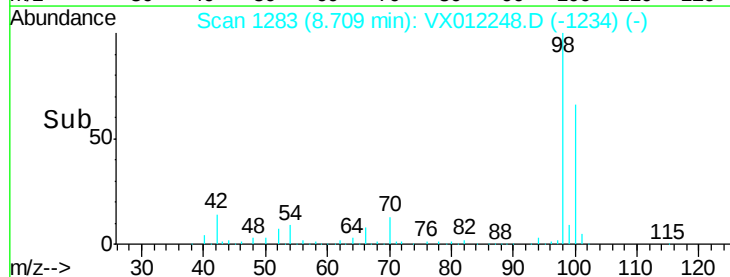
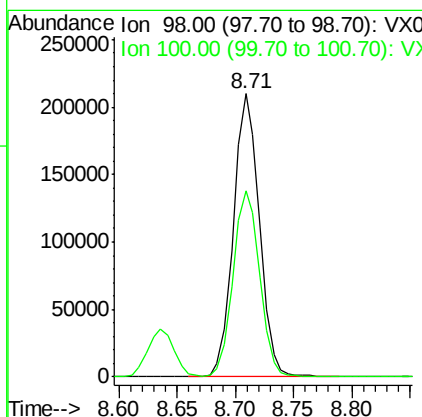
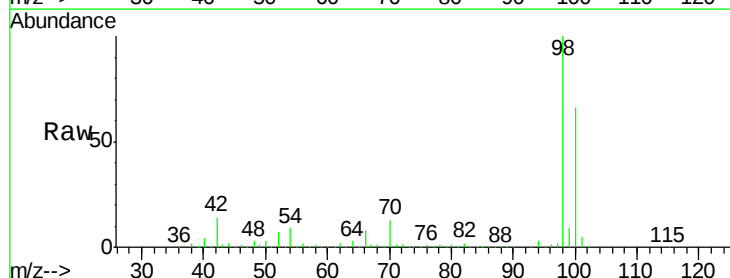
Manual Integrations  
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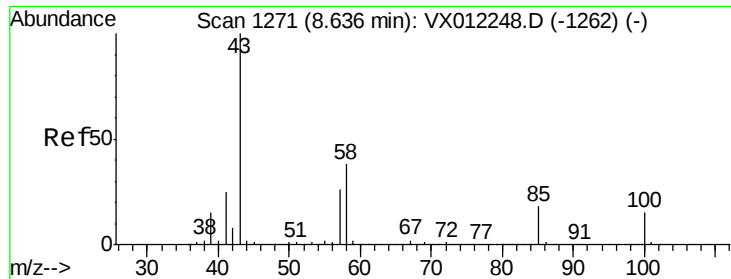
MMDadoda  
9/12/2019 9:00:30 AM



#50  
Toluene-d8  
Concen: 50.152 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

| Tgt Ion   | 98   | Resp  | 326090 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 98        | 100  |       |        |
| 100       | 67.6 | 53.0  | 79.6   |





#51

4-Methyl-2-Pentanone

Concen: 239.557 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 363772

Ion Ratio Lower Upper

43 100

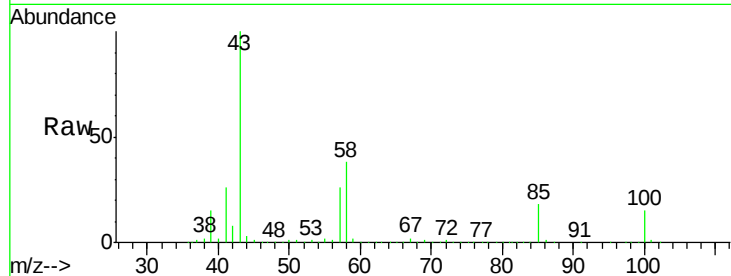
58 37.6 29.9 44.9

Manual Integrations

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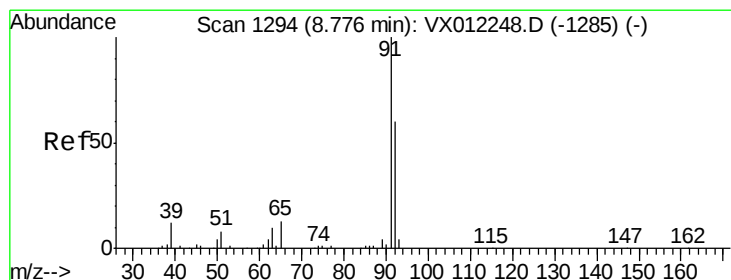
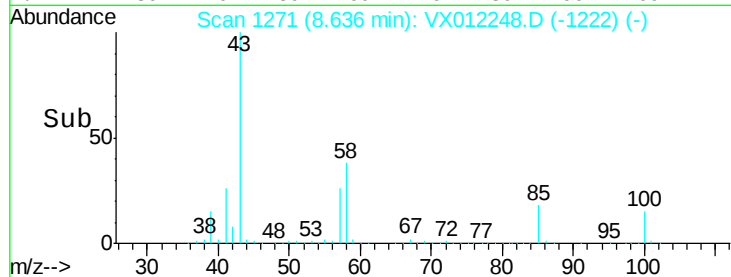
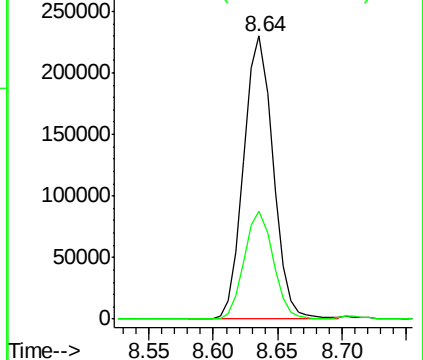
MMDadoda

9/12/2019 9:00:30 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.329 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX012248.D

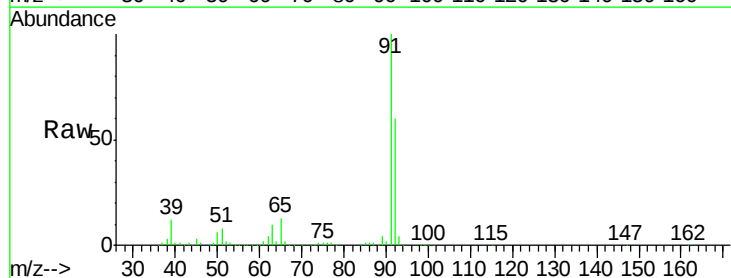
Acq: 10 Sep 2019 10:28

Tgt Ion: 92 Resp: 207855

Ion Ratio Lower Upper

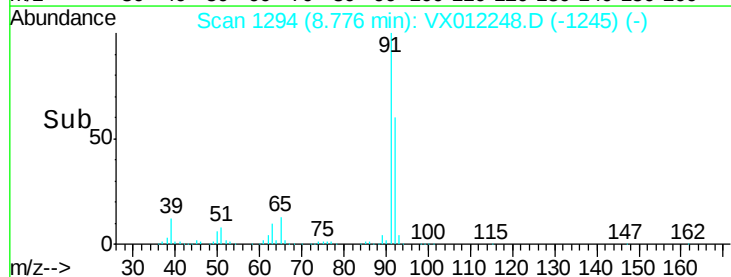
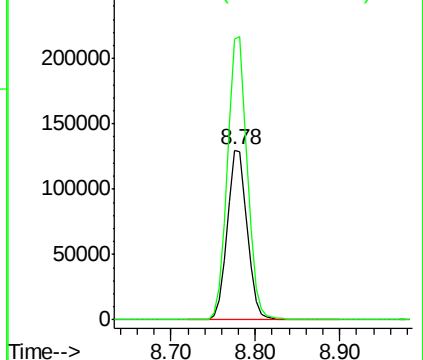
92 100

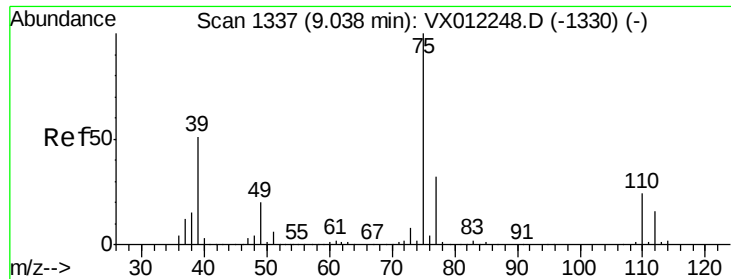
91 167.0 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





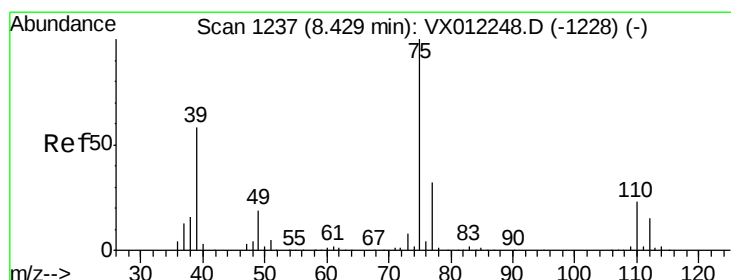
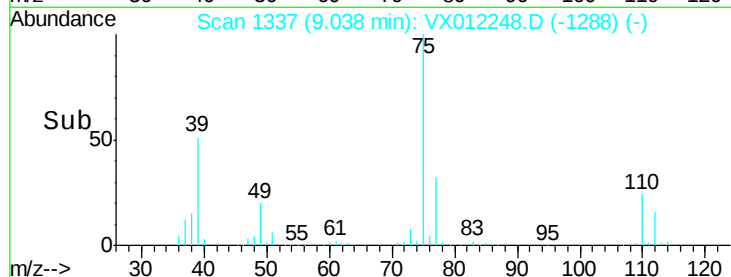
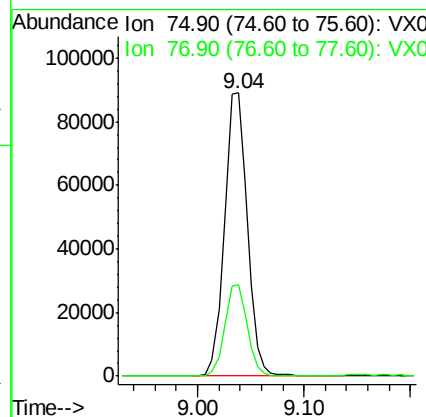
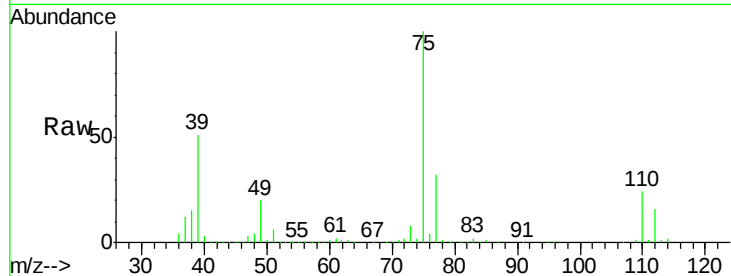
#53  
t-1,3-Dichloropropene  
Concen: 48.132 ug/l  
RT: 9.04 min Scan# 1337  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion: 75 Resp: 133512  
Ion Ratio Lower Upper  
75 100  
77 32.2 25.6 38.4

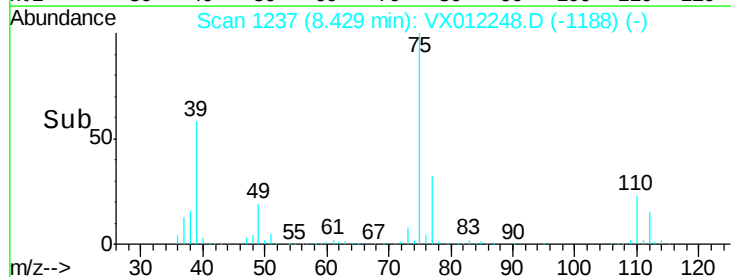
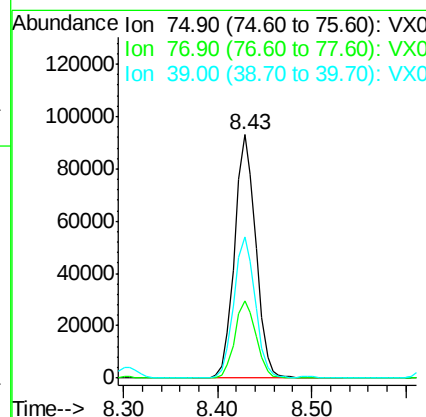
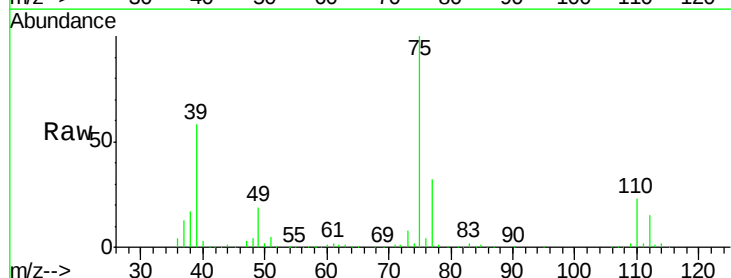
Manual Integrations  
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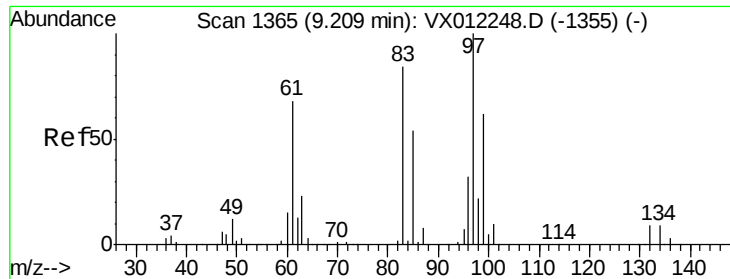
MMDadoda  
9/12/2019 9:00:30 AM



#54  
cis-1,3-Dichloropropene  
Concen: 48.209 ug/l  
RT: 8.43 min Scan# 1237  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

Tgt Ion: 75 Resp: 145895  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.2 37.8  
39 58.1 46.2 69.2





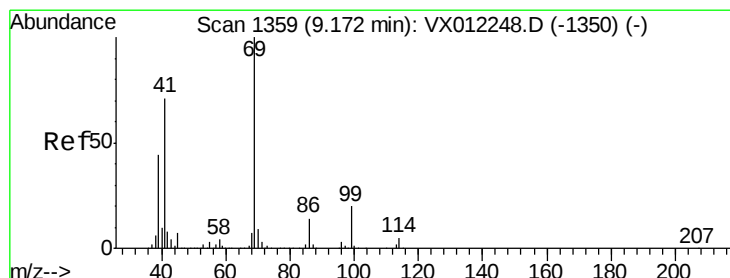
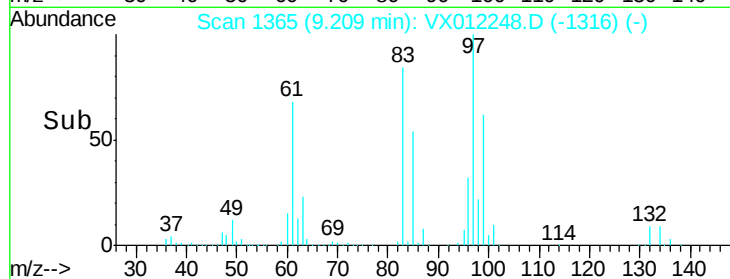
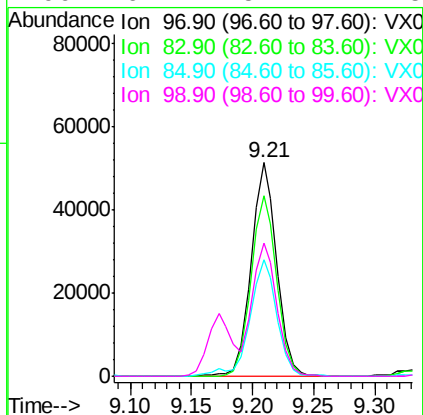
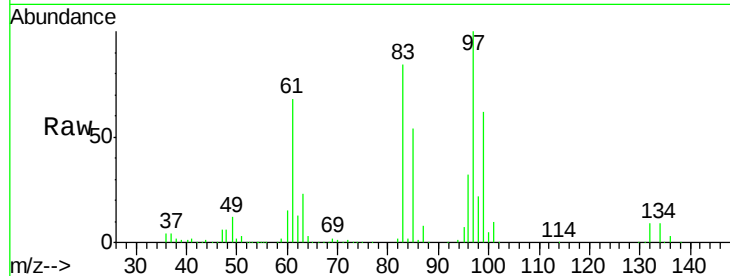
#55  
 1,1,2-Trichloroethane  
 Concen: 47.290 ug/l  
 RT: 9.21 min Scan# 1365  
 Delta R.T. 0.00 min  
 Lab File: VX012248.D  
 Acq: 10 Sep 2019 10:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 74609 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 84.3  | 68.4  | 102.6 |
| 85       | 54.3  | 44.6  | 66.8  |
| 99       | 62.2  | 51.7  | 77.5  |

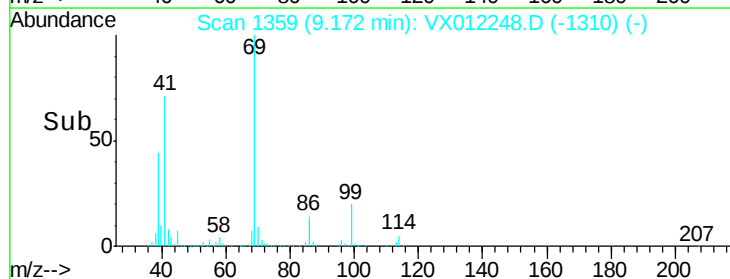
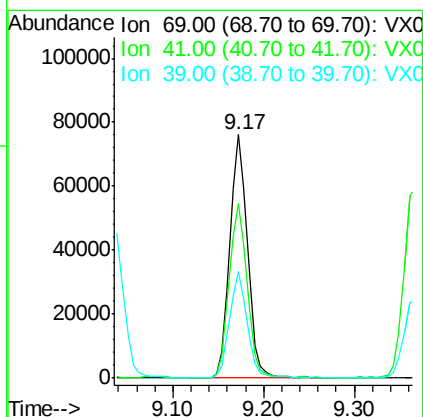
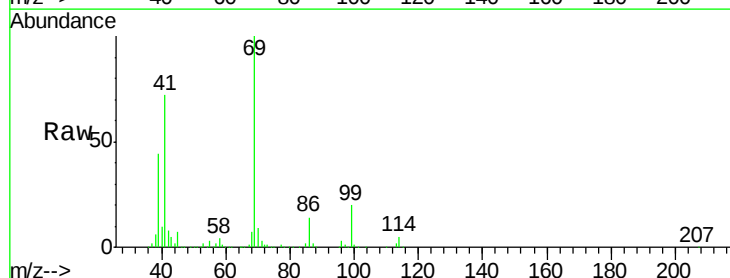
Manual Integrations  
 APPROVED

MMDadoda  
 9/12/2019 9:00:30 AM



#56  
 Ethyl methacrylate  
 Concen: 47.104 ug/l  
 RT: 9.17 min Scan# 1359  
 Delta R.T. 0.00 min  
 Lab File: VX012248.D  
 Acq: 10 Sep 2019 10:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 103894 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 72.1  | 57.7  | 86.5   |
| 39       | 42.5  | 34.8  | 52.2   |





#57

1,3-Dichloropropane

Concen: 47.383 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 127782

Ion Ratio Lower Upper

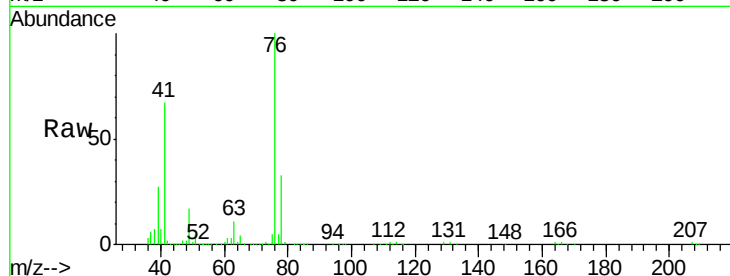
76 100

78 32.5 26.0 39.0

Manual Integrations  
APPROVED

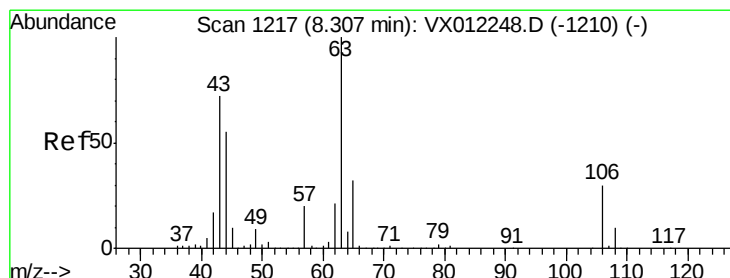
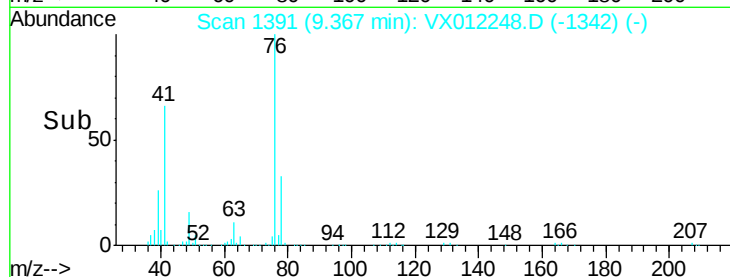
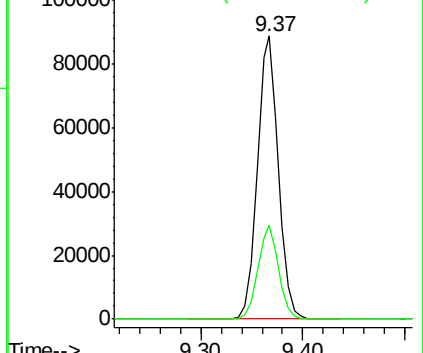
MMDadoda

9/12/2019 9:00:30 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 255.560 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012248.D

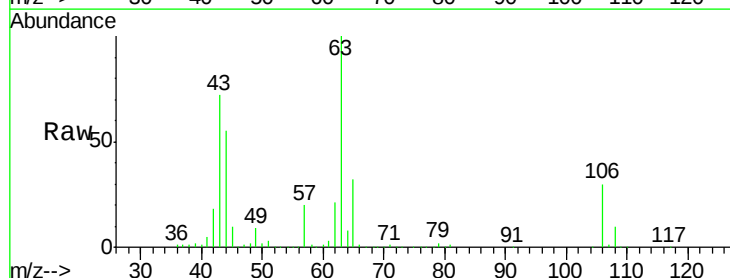
Acq: 10 Sep 2019 10:28

Tgt Ion: 63 Resp: 267669

Ion Ratio Lower Upper

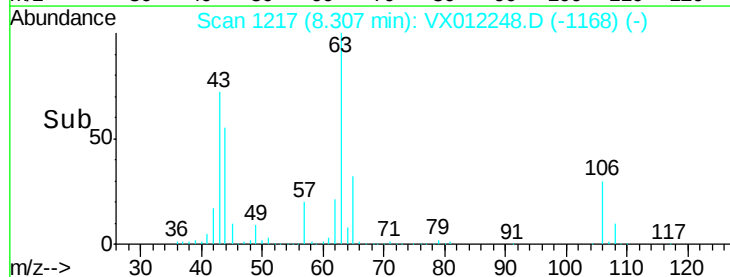
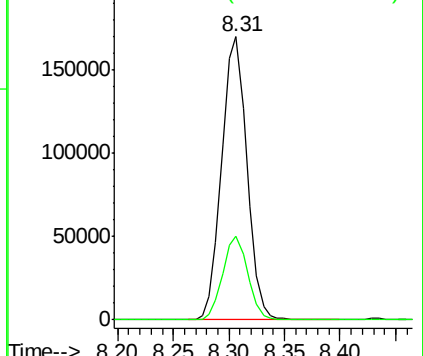
63 100

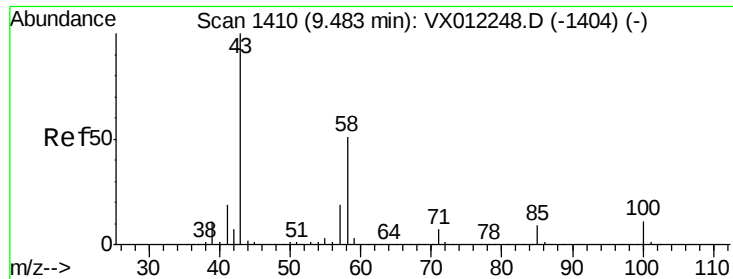
106 29.3 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





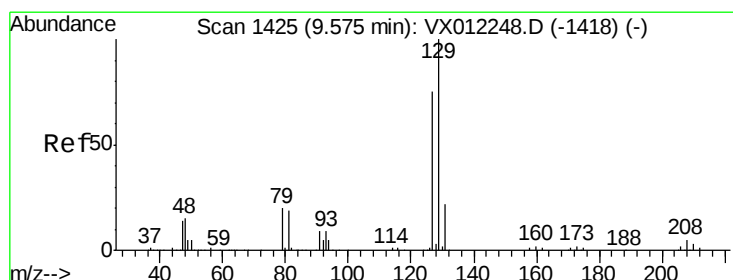
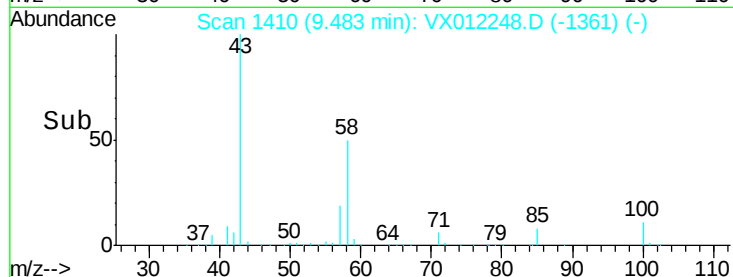
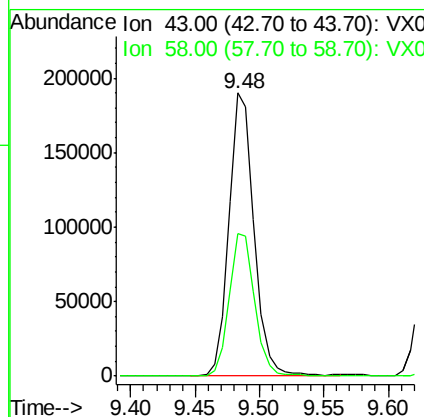
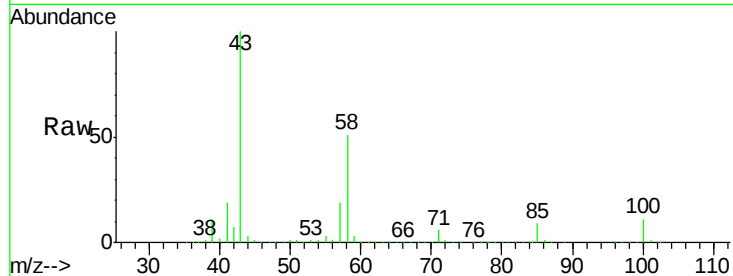
#59  
2-Hexanone  
Concen: 241.140 ug/l  
RT: 9.48 min Scan# 1410  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion: 43 Resp: 260164  
Ion Ratio Lower Upper  
43 100  
58 51.5 26.0 78.0

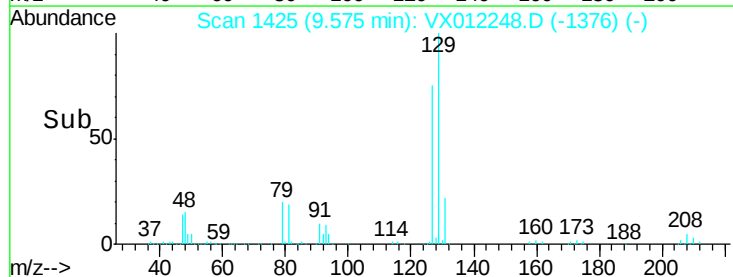
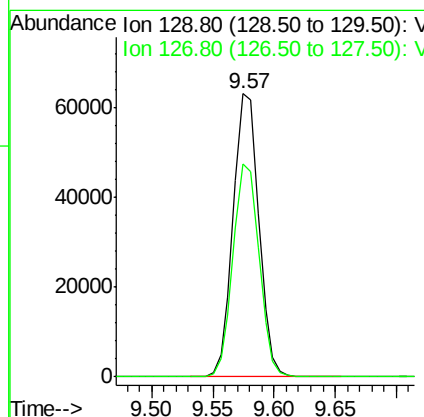
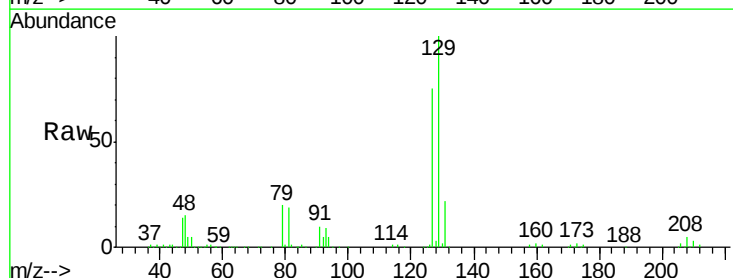
Manual Integrations  
APPROVED

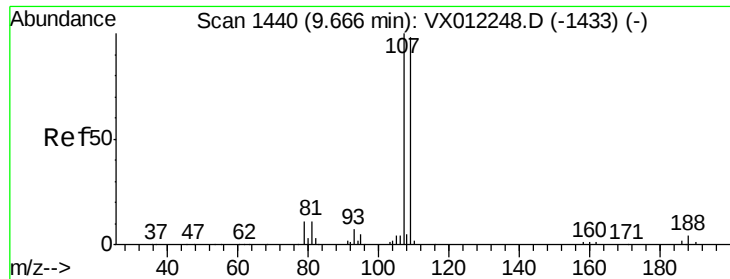
MMDadoda  
9/12/2019 9:00:30 AM



#60  
Dibromochloromethane  
Concen: 48.892 ug/l  
RT: 9.57 min Scan# 1425  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

Tgt Ion: 129 Resp: 91491  
Ion Ratio Lower Upper  
129 100  
127 76.2 39.1 117.3





#61

1,2-Dibromoethane

Concen: 46.754 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 68777

Ion Ratio Lower Upper

107 100

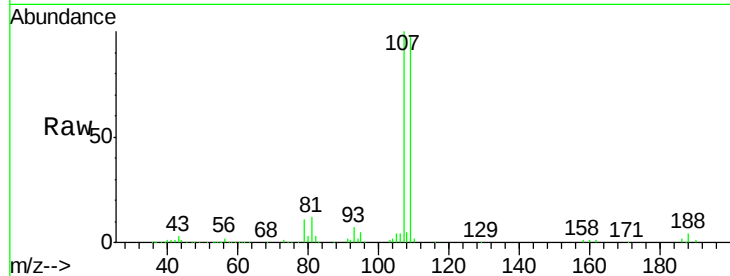
109 95.4 76.2 114.2

Manual Integrations

APPROVED

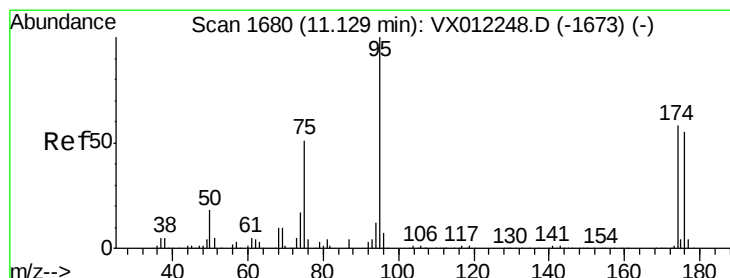
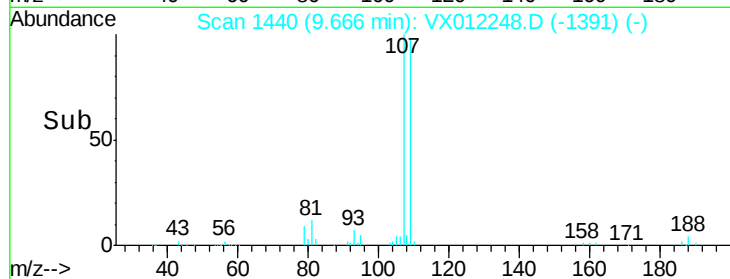
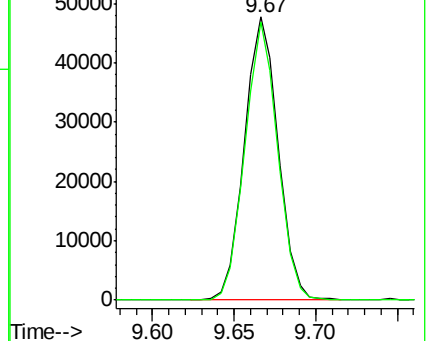
MMDadoda

9/12/2019 9:00:30 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.725 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

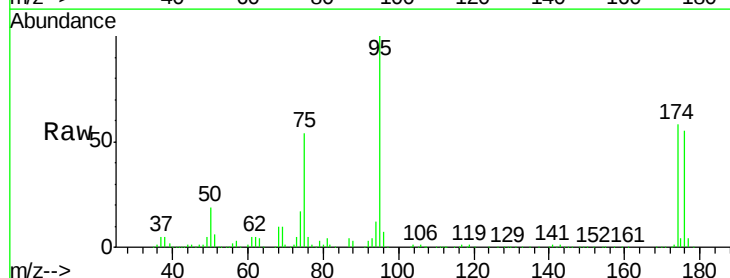
Tgt Ion: 95 Resp: 141015

Ion Ratio Lower Upper

95 100

174 63.5 0.0 129.4

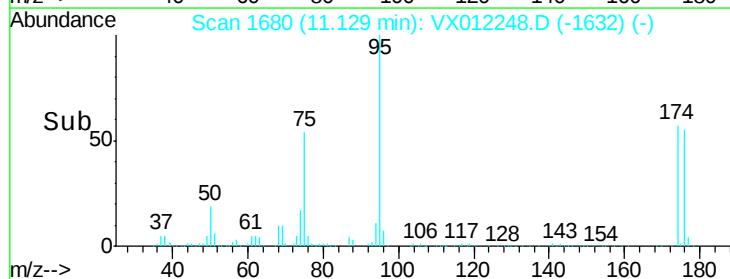
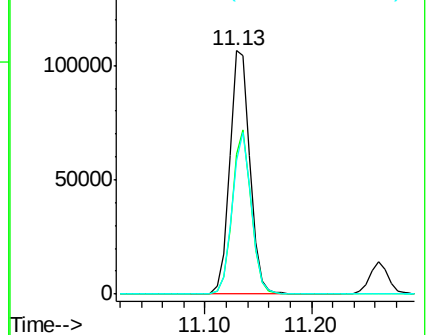
176 62.9 0.0 125.4

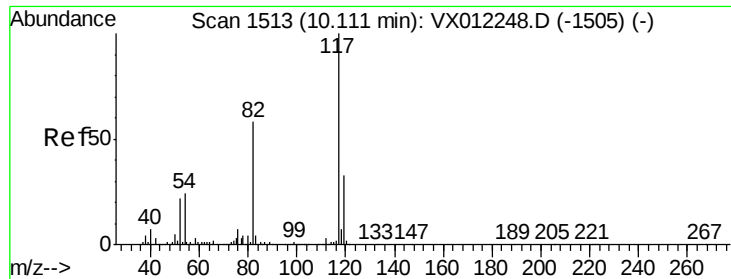


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





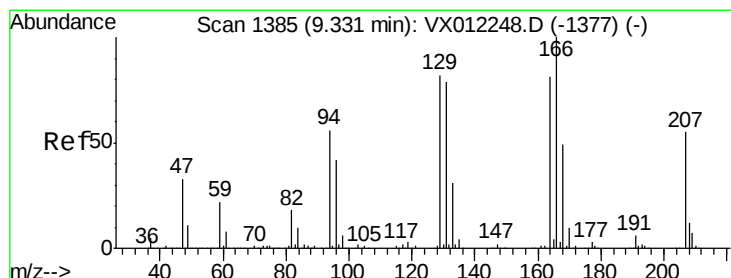
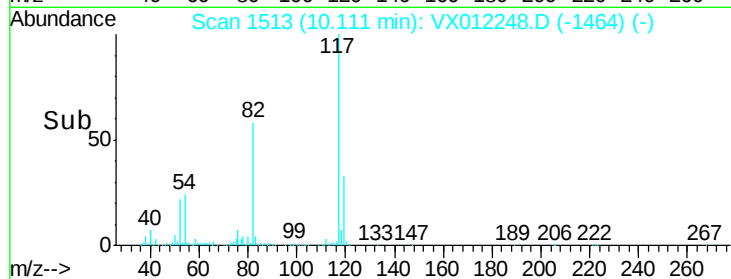
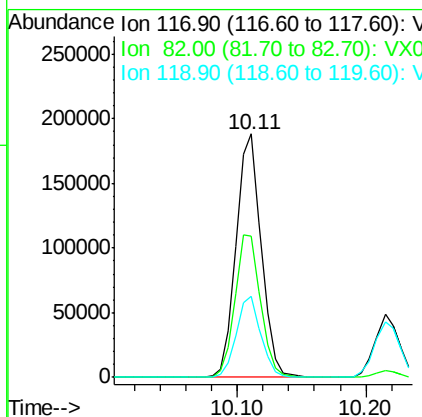
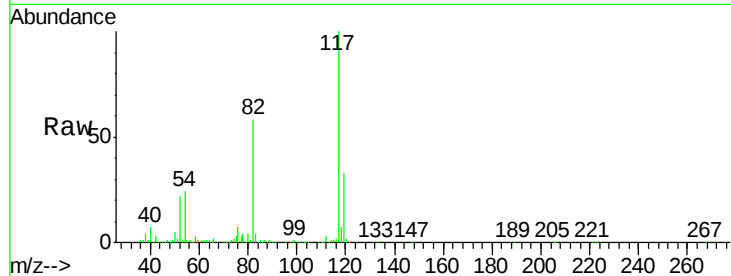
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 255937 |       |       |
| 82      | 58.0  |        | 47.5  | 71.3  |
| 119     | 33.2  |        | 26.2  | 39.2  |

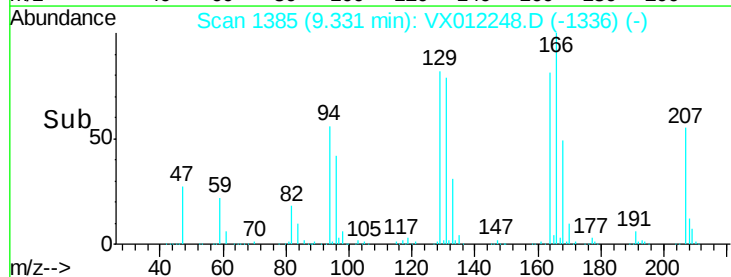
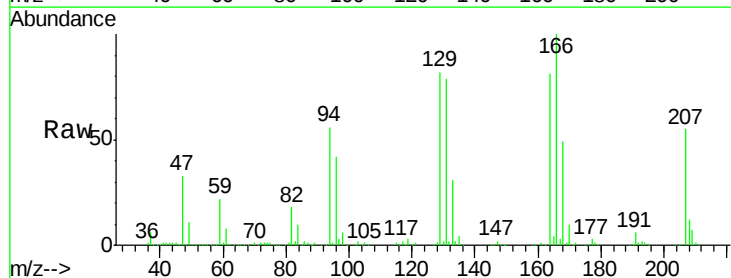
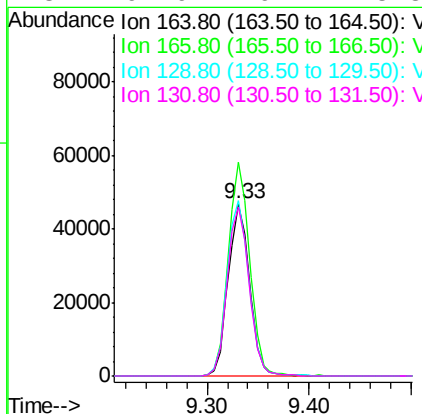
Manual Integrations  
APPROVED

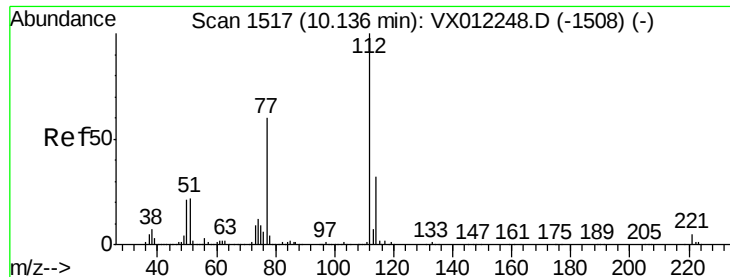
MMDadoda  
9/12/2019 9:00:30 AM



#64  
Tetrachloroethene  
Concen: 47.455 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 67772 |       |       |
| 166     | 124.2 |       | 97.8  | 146.8 |
| 129     | 102.3 |       | 81.1  | 121.7 |
| 131     | 97.9  |       | 79.2  | 118.8 |





#65

Chlorobenzene

Concen: 46.527 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 238463

Ion Ratio Lower Upper

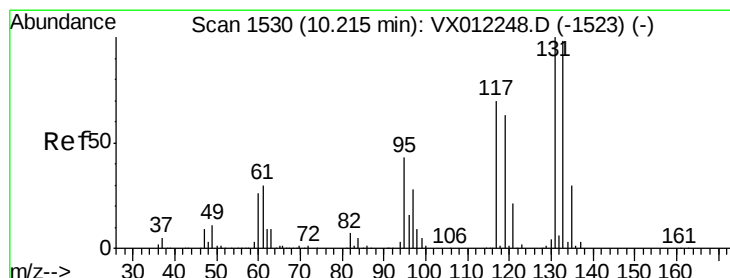
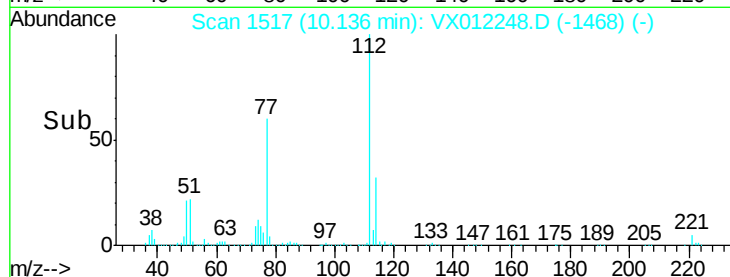
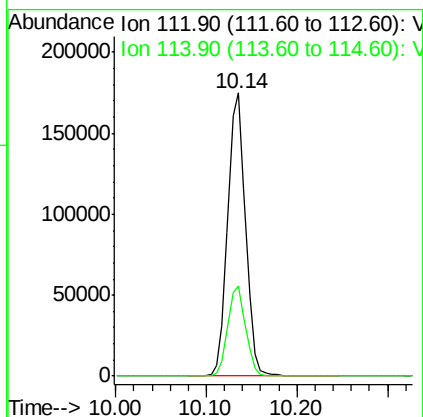
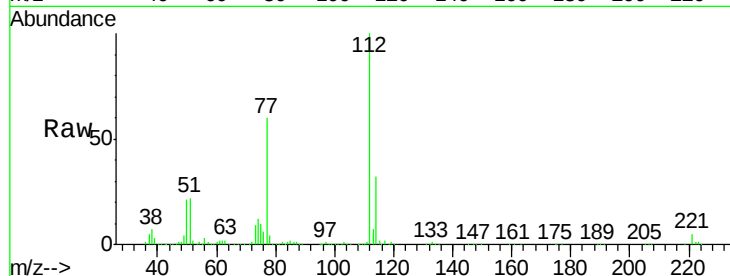
112 100

114 31.7 25.8 38.8

Manual Integrations  
APPROVED

MMDadoda

9/12/2019 9:00:30 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 47.619 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

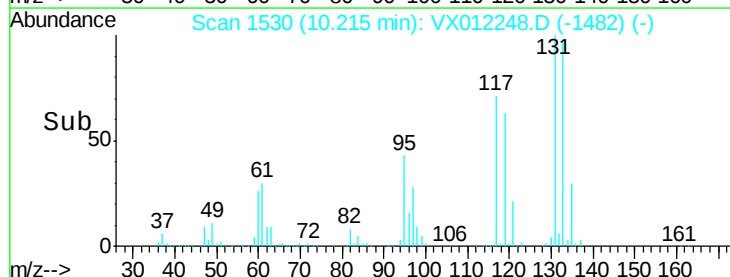
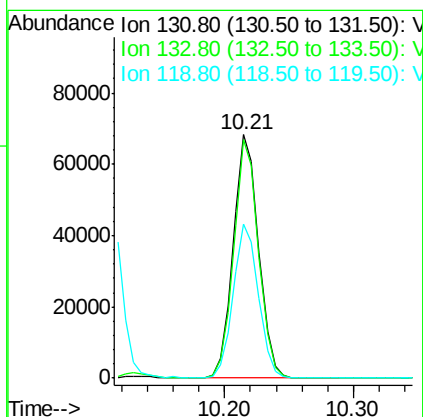
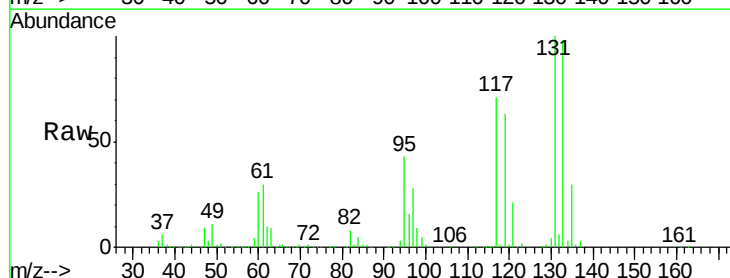
Tgt Ion:131 Resp: 93453

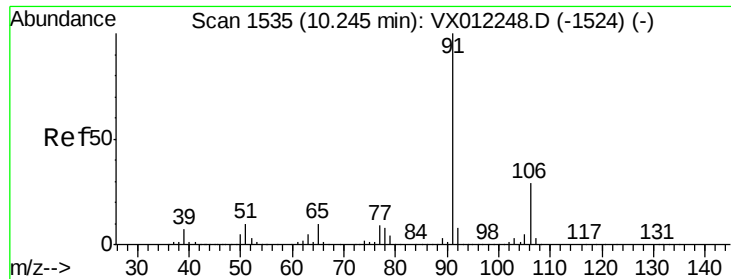
Ion Ratio Lower Upper

131 100

133 96.1 46.8 140.3

119 63.3 31.1 93.3





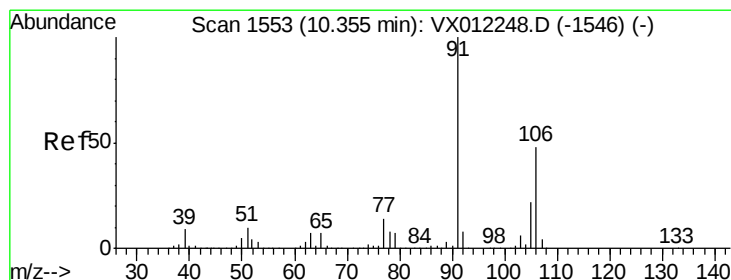
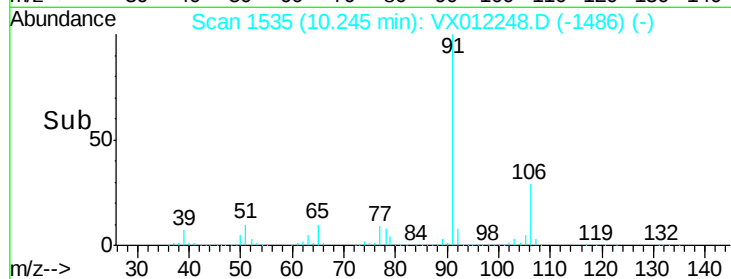
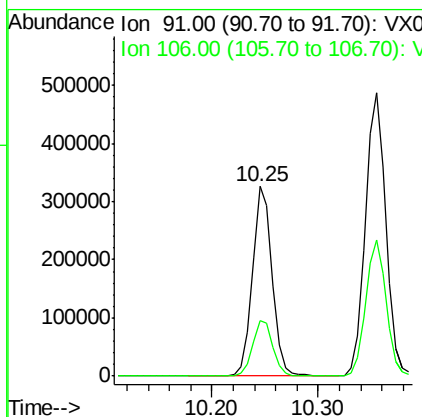
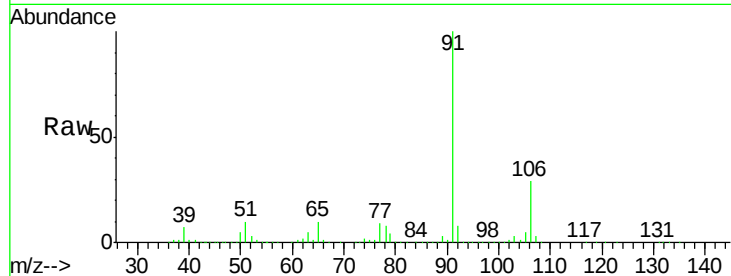
#67  
Ethyl Benzene  
Concen: 47.095 ug/l  
RT: 10.25 min Scan# 1535  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion: 91 Resp: 423375  
Ion Ratio Lower Upper  
91 100  
106 28.9 24.5 36.7

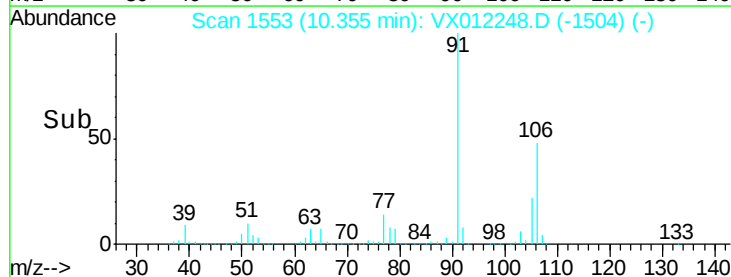
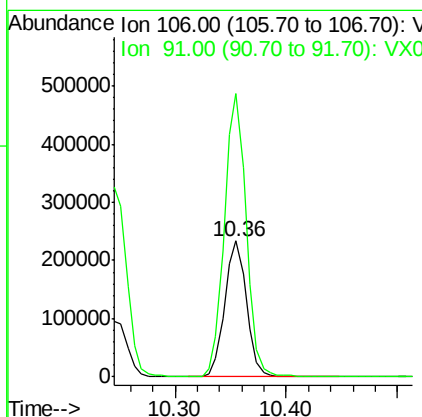
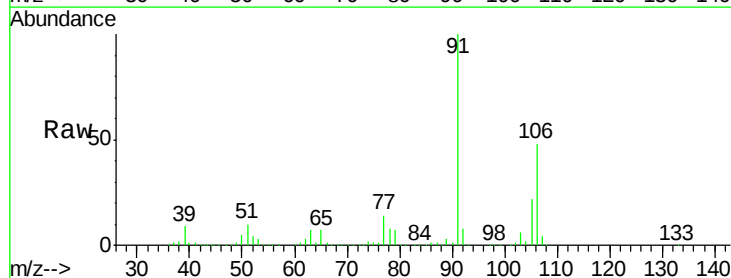
Manual Integrations  
APPROVED

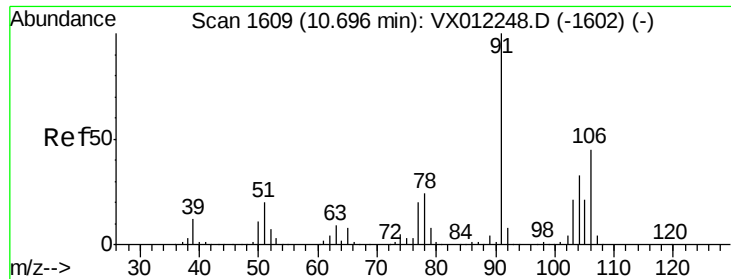
MMDadoda  
9/12/2019 9:00:30 AM



#68  
m/p-Xylenes  
Concen: 95.128 ug/l  
RT: 10.36 min Scan# 1553  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

Tgt Ion: 106 Resp: 315408  
Ion Ratio Lower Upper  
106 100  
91 208.8 171.5 257.3





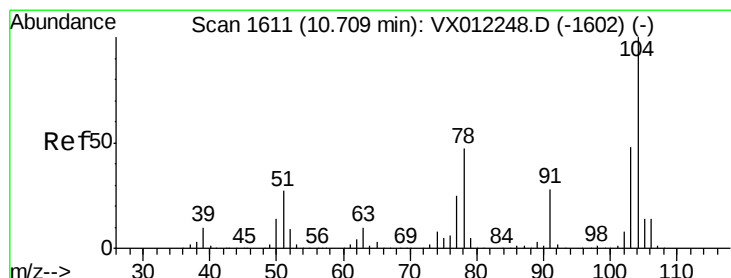
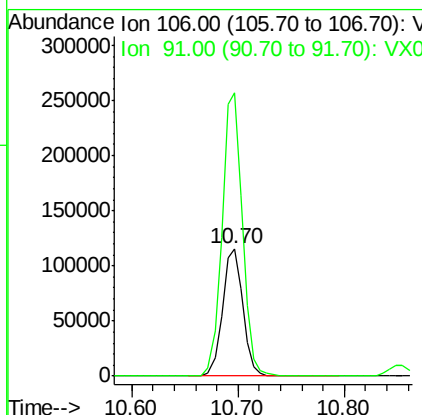
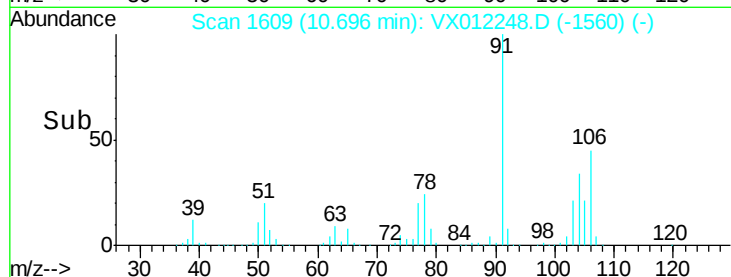
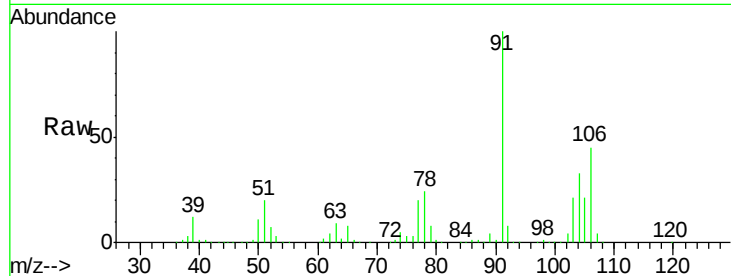
#69  
o-Xylene  
Concen: 47.847 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDICCC050

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 154785 |       |       |
| 91      | 220.9 | 111.0 | 333.0  |       |       |

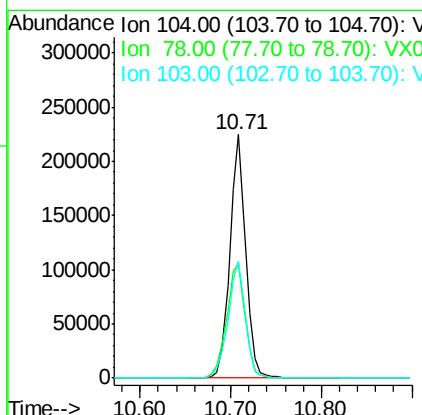
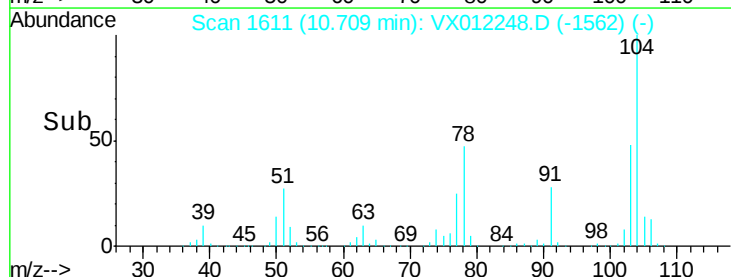
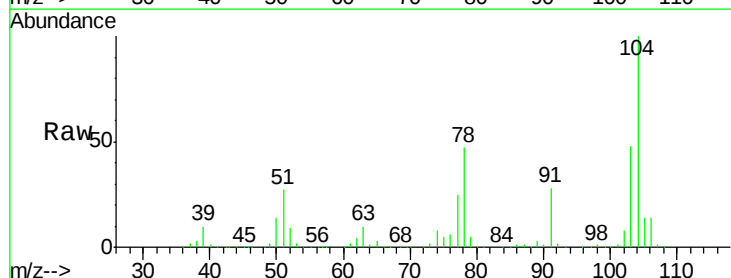
Manual Integrations  
APPROVED

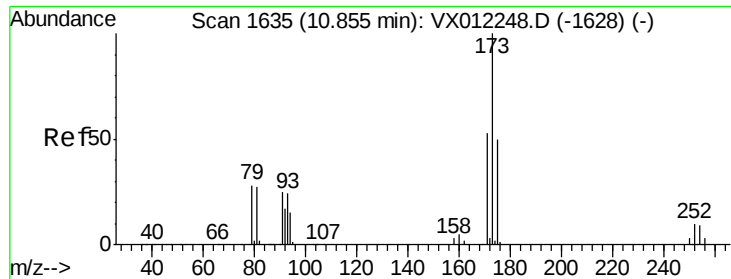
MMDadoda  
9/12/2019 9:00:30 AM



#70  
Styrene  
Concen: 47.615 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 276987 |       |       |
| 78      | 55.2 | 44.9  | 67.3   |       |       |
| 103     | 53.1 | 43.0  | 64.4   |       |       |





#71

Bromoform

Concen: 48.367 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

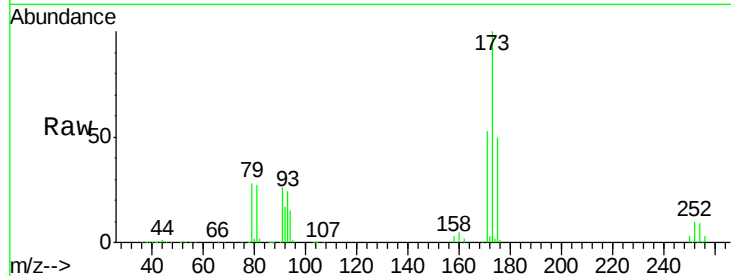
ClientSampleId :

VSTDICCC050

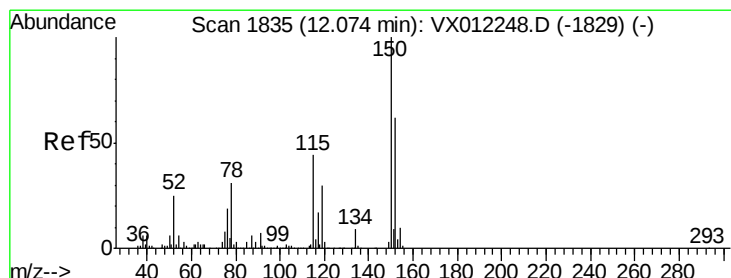
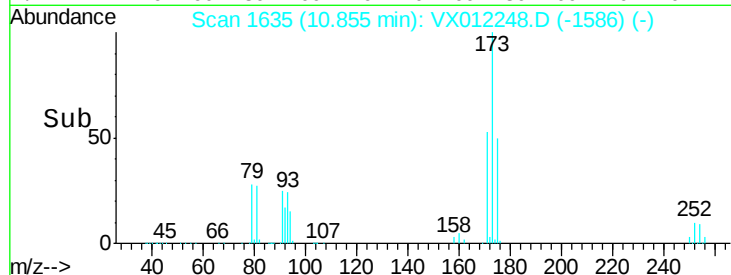
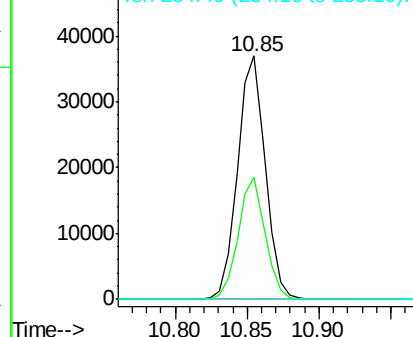
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.0  | 24.1  | 72.3  |
| 254     | 0.3   | 0.0   | 0.0   |

Manual Integrations  
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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

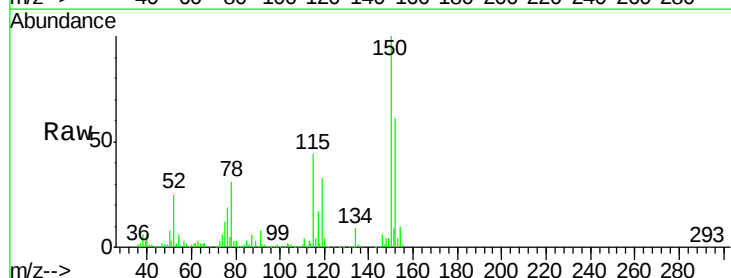
RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

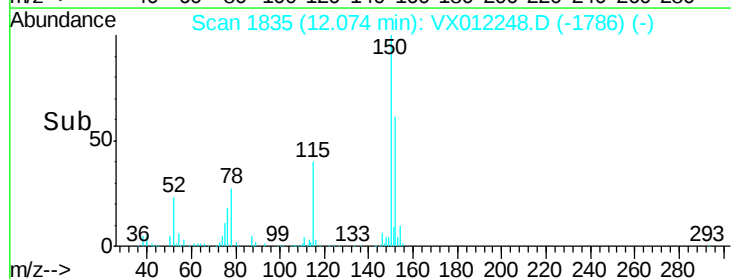
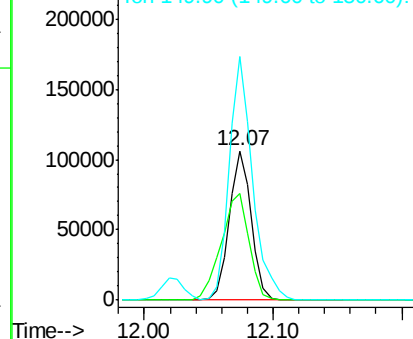
Lab File: VX012248.D

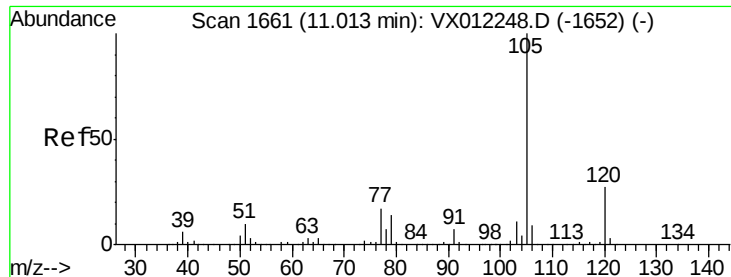
Acq: 10 Sep 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 90.9  | 45.4  | 136.1 |
| 150     | 173.2 | 0.0   | 345.4 |



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: 46.473 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 424063

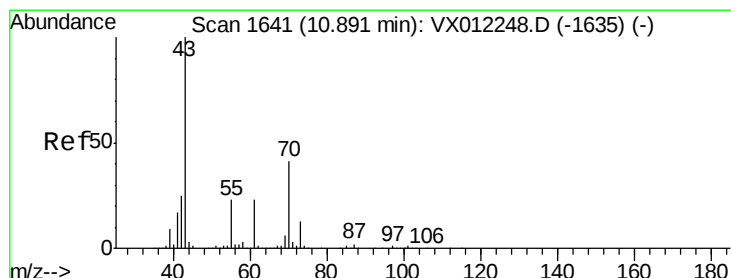
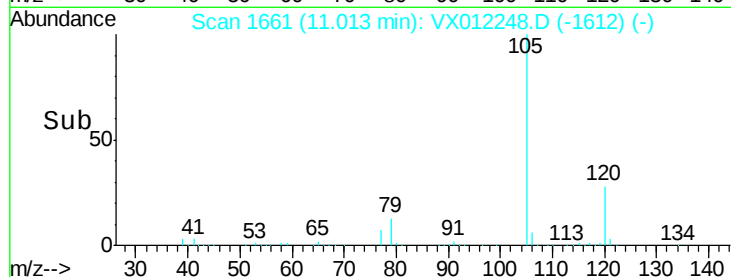
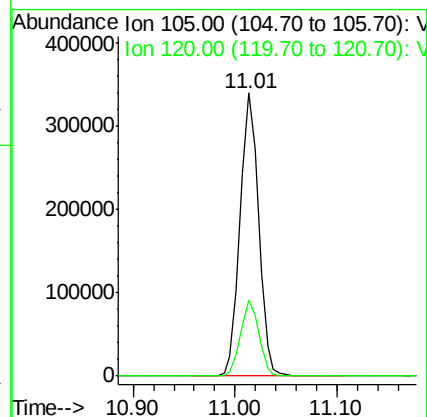
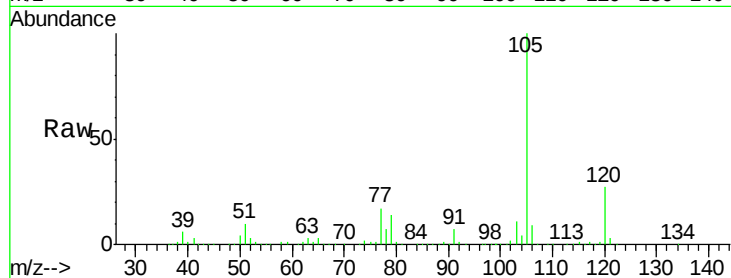
Ion Ratio Lower Upper

105 100

120 26.3 12.9 38.7

Manual Integrations  
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#74

N-ethyl acetate

Concen: 45.017 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Tgt Ion: 43 Resp: 131454

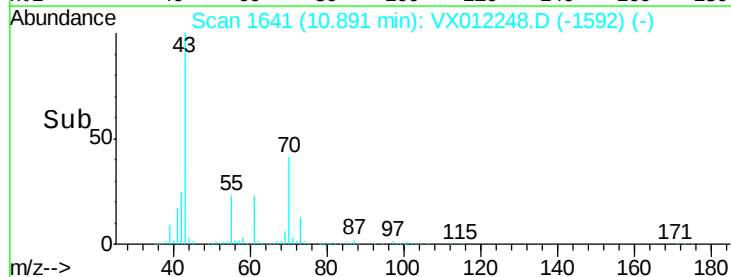
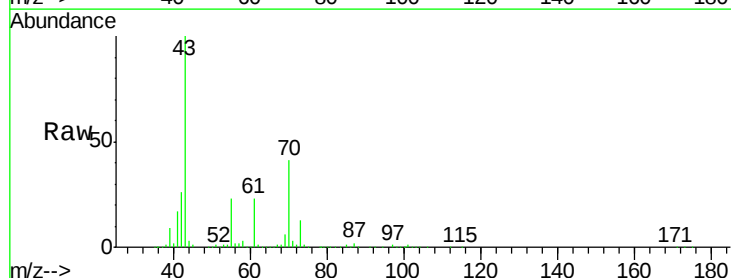
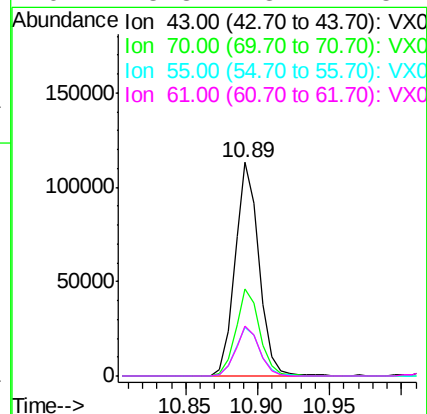
Ion Ratio Lower Upper

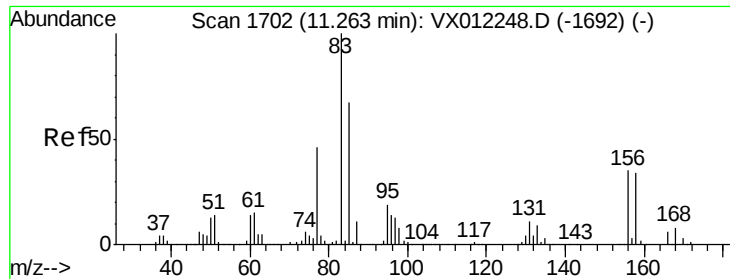
43 100

70 41.1 32.1 48.1

55 23.9 18.9 28.3

61 23.3 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 45.536 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

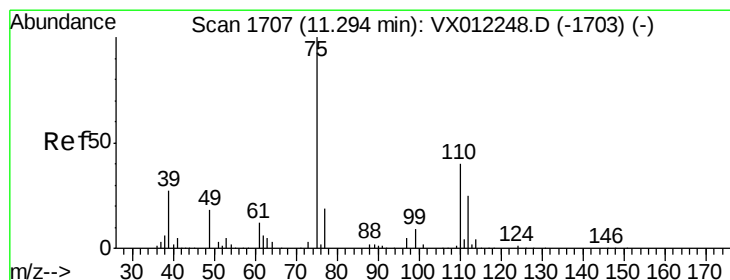
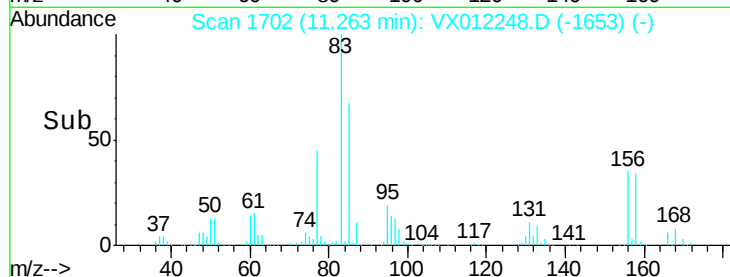
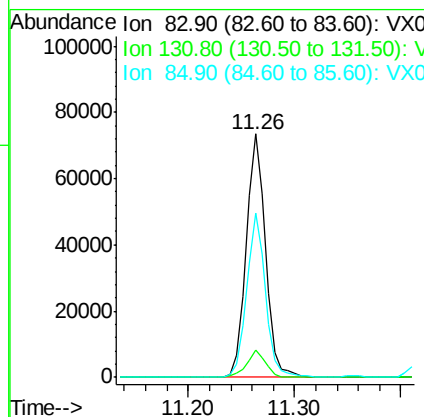
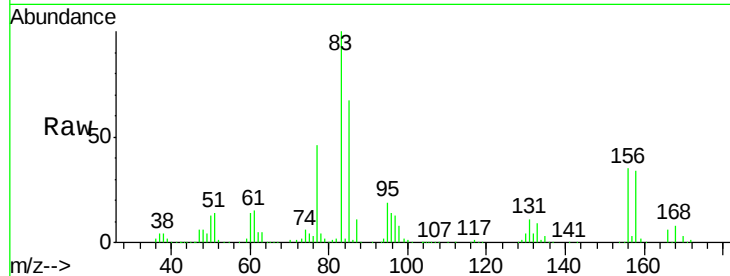
ClientSampled :

VSTDICCC050

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 83      | 100   | 93393 |       |       |
| 131     | 10.9  | 5.4   | 16.2  |       |
| 85      | 65.6  | 32.5  | 97.5  |       |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 48.160 ug/l m

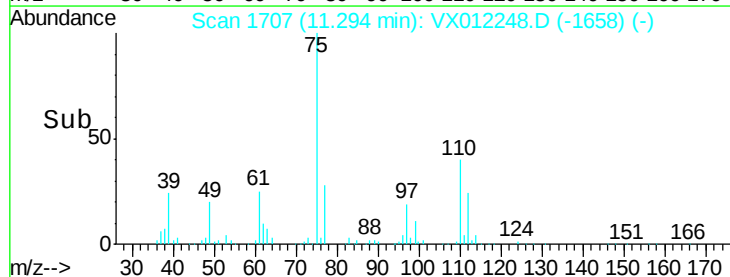
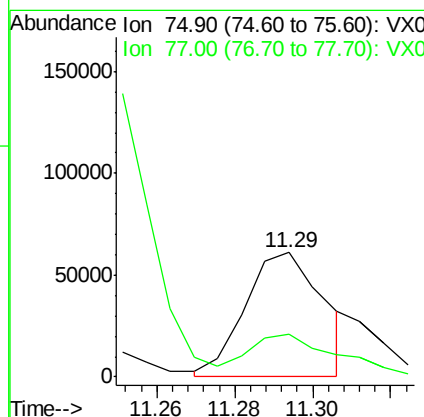
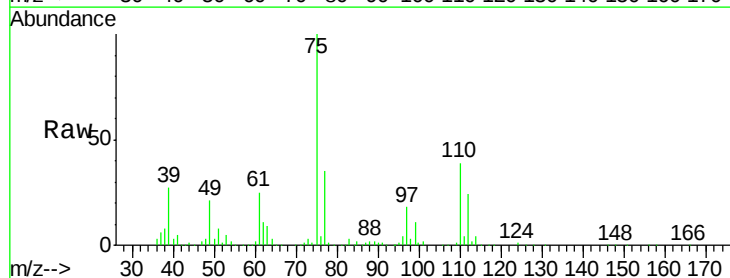
RT: 11.29 min Scan# 1707

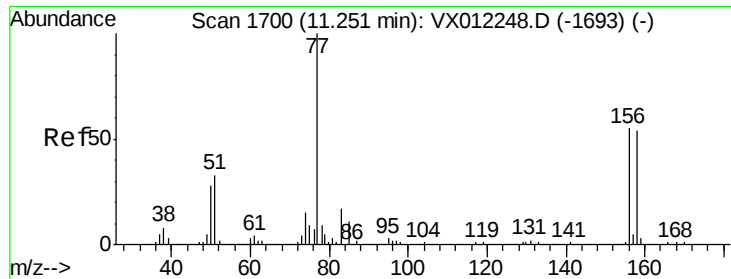
Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 85672 |       |       |
| 77      | 39.3  | 20.1  | 60.2  |       |





#77

Bromobenzene

Concen: 45.388 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 98998

Ion Ratio Lower Upper

156 100

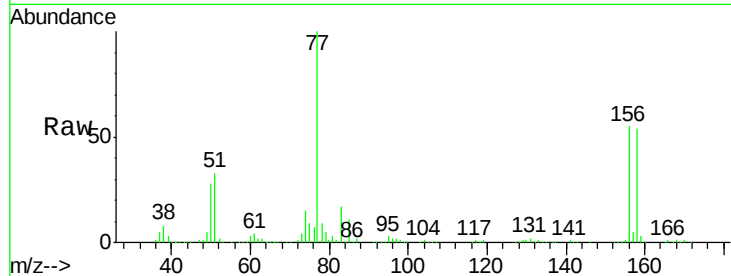
77 184.4 91.6 274.8

158 97.5 48.1 144.4

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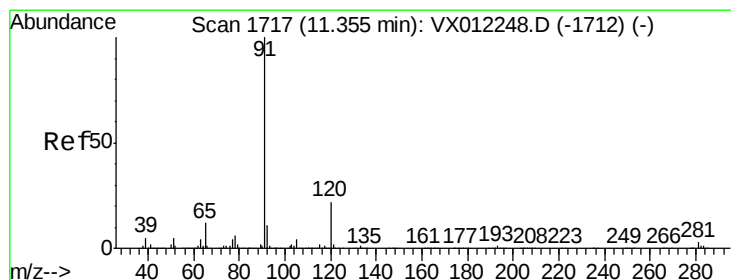
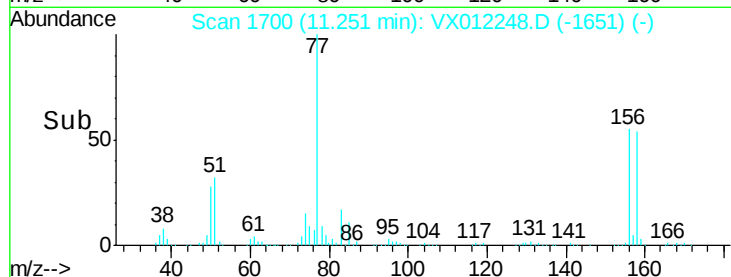
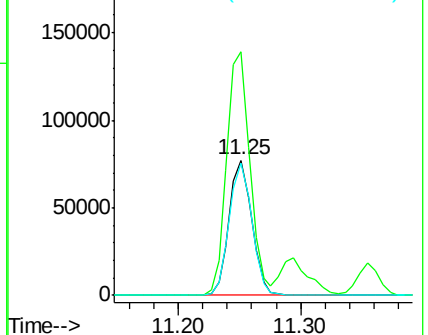
9/12/2019 9:00:30 AM



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: 47.740 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012248.D

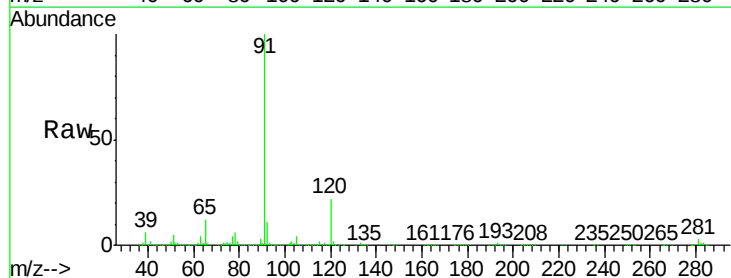
Acq: 10 Sep 2019 10:28

Tgt Ion: 91 Resp: 524295

Ion Ratio Lower Upper

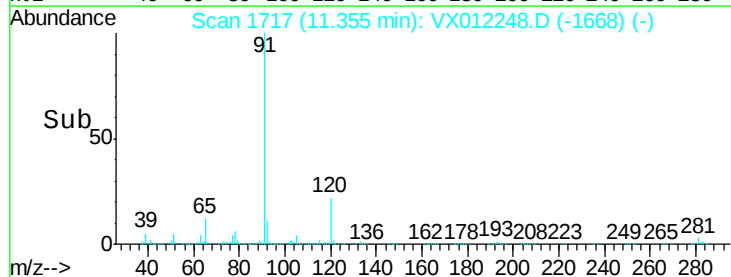
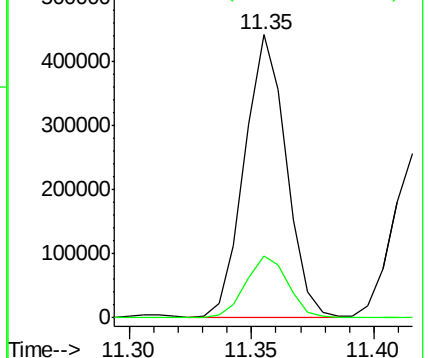
91 100

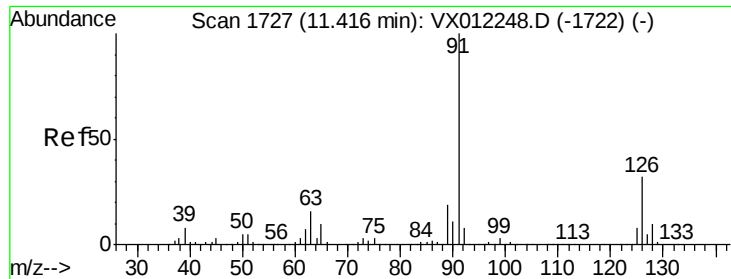
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





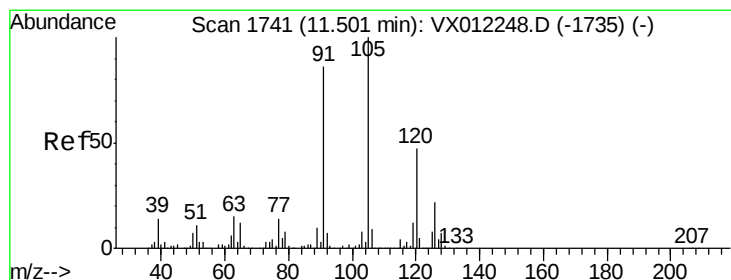
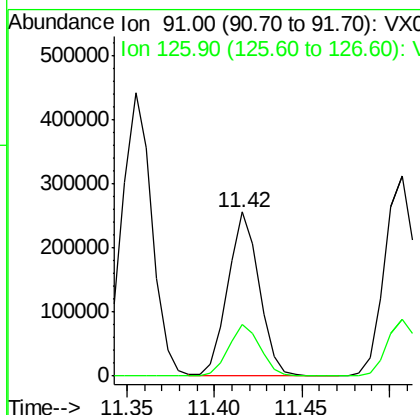
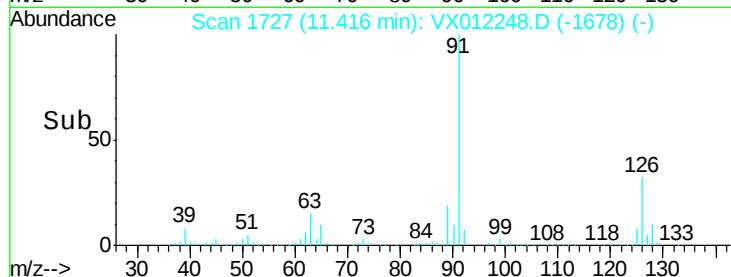
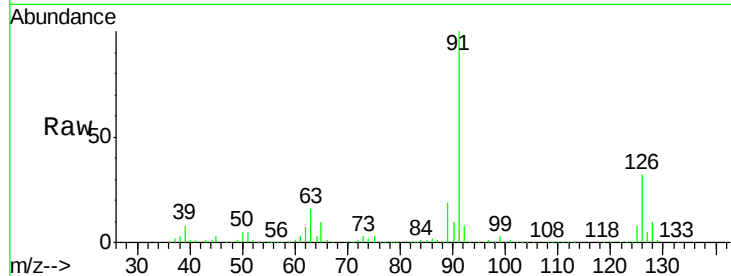
#79  
 2-Chlorotoluene  
 Concen: 46.476 ug/l  
 RT: 11.42 min Scan# 1727  
 Delta R.T. 0.00 min  
 Lab File: VX012248.D  
 Acq: 10 Sep 2019 10:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Tot Ion: 91 Resp: 318589  
 Ion Ratio Lower Upper  
 91 100  
 126 31.8 15.8 47.4

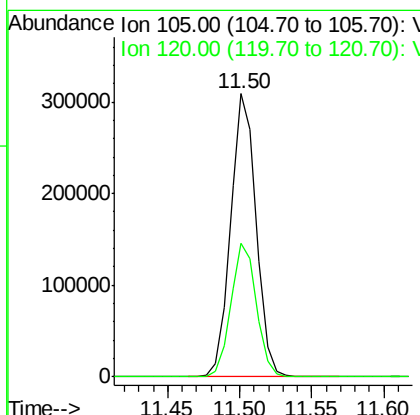
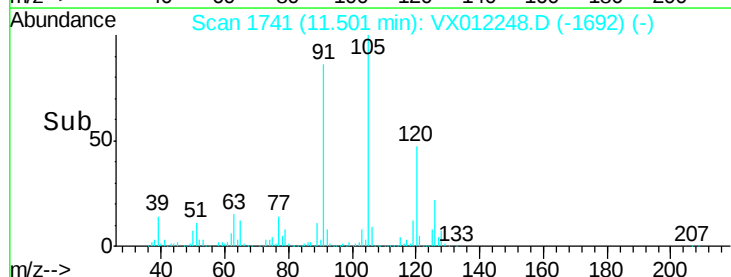
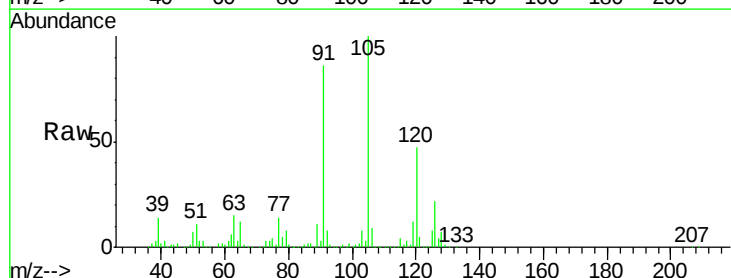
Manual Integrations  
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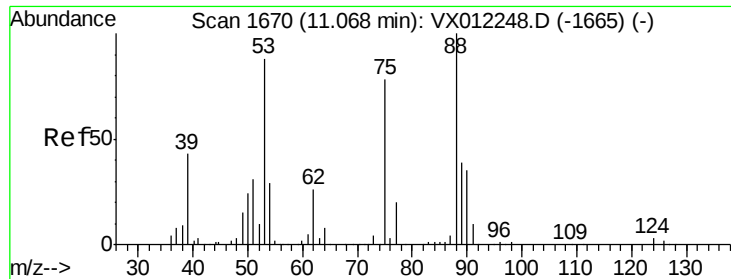
MMDadoda  
 9/12/2019 9:00:30 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 46.291 ug/l  
 RT: 11.50 min Scan# 1741  
 Delta R.T. 0.00 min  
 Lab File: VX012248.D  
 Acq: 10 Sep 2019 10:28

Tgt Ion: 105 Resp: 382337  
 Ion Ratio Lower Upper  
 105 100  
 120 47.4 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 45.210 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

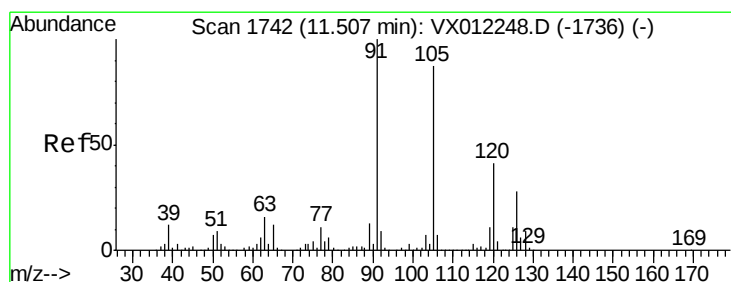
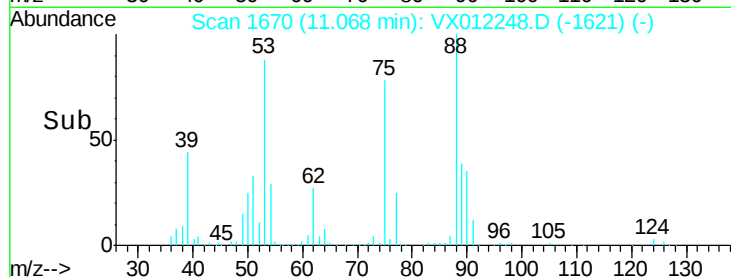
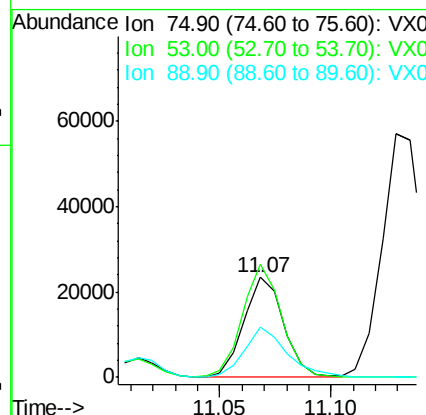
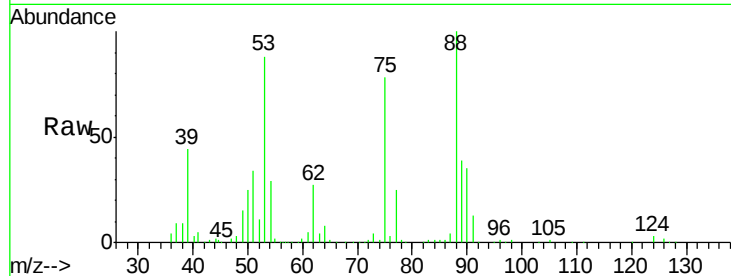
ClientSampleId :

VSTDICCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 29119 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 110.1 | 84.2  | 126.2 |
| 89       | 54.4  | 42.1  | 63.1  |

Manual Integrations  
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MMDadoda  
9/12/2019 9:00:30 AM



#82

4-Chlorotoluene

Concen: 46.188 ug/l

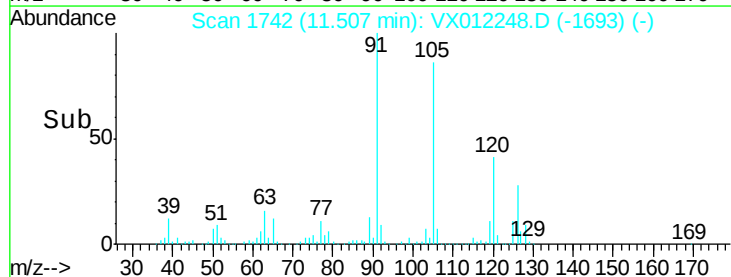
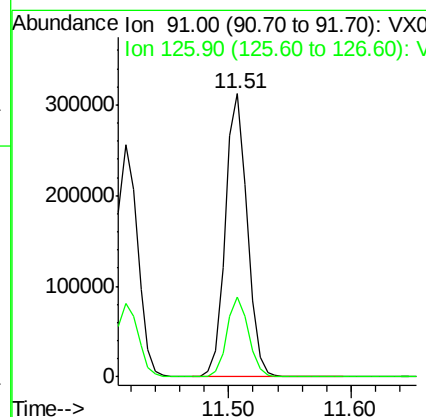
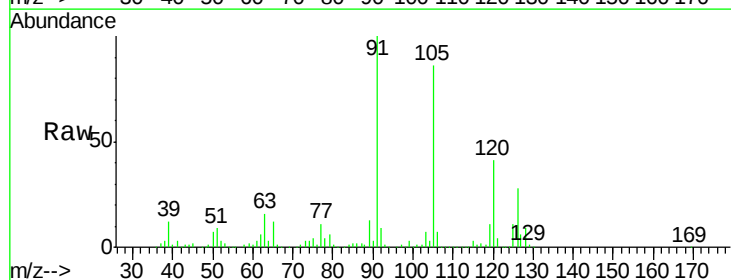
RT: 11.51 min Scan# 1742

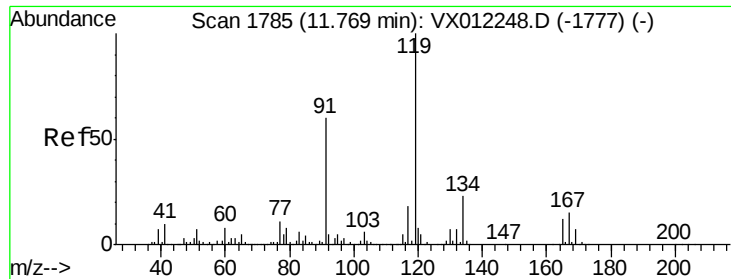
Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 387557 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 28.0  | 13.4  | 40.1   |





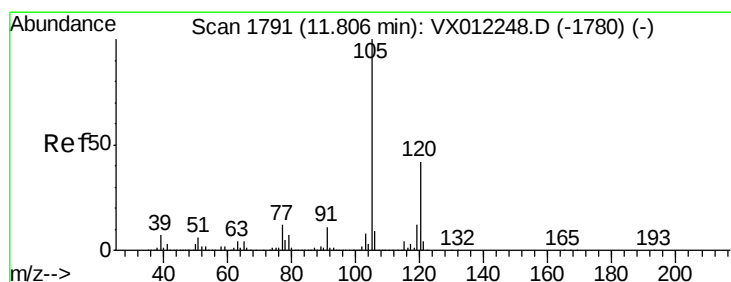
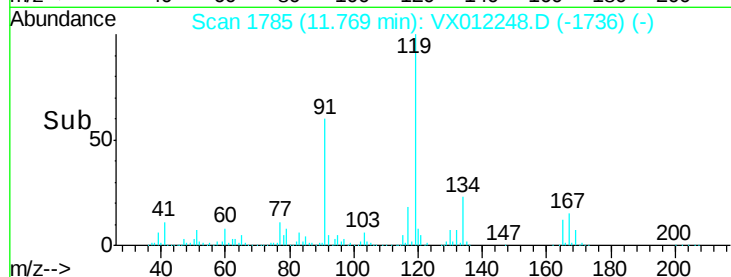
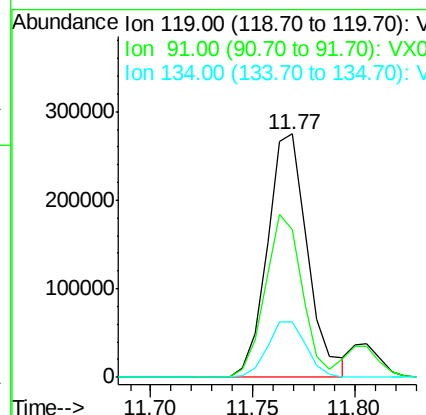
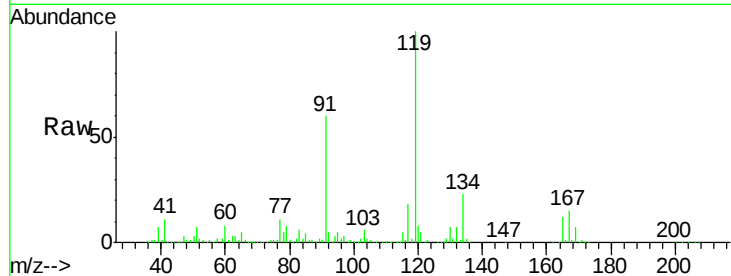
#83  
 tert-Butylbenzene  
 Concen: 47.101 ug/l  
 RT: 11.77 min Scan# 1785  
 Delta R.T. 0.00 min  
 Lab File: VX012248.D  
 Acq: 10 Sep 2019 10:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 377175 |       |       |
| 91      | 61.9  |        | 30.8  | 92.3  |
| 134     | 22.4  |        | 11.3  | 33.8  |

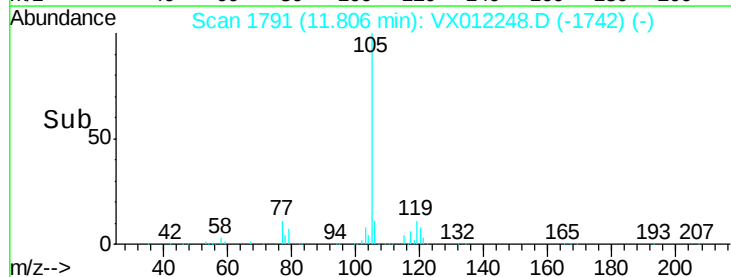
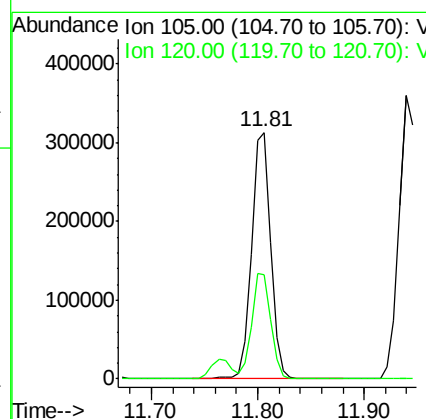
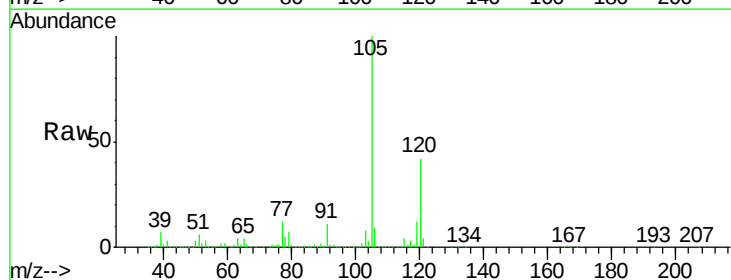
Manual Integrations  
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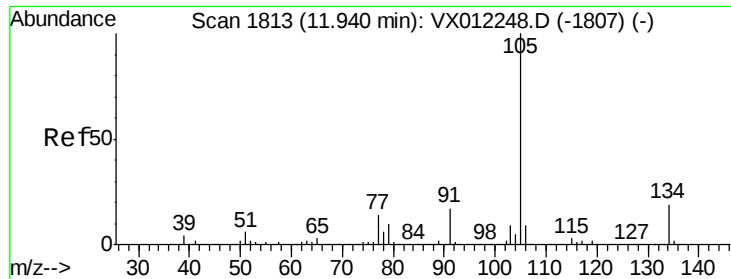
MMDadoda  
 9/12/2019 9:00:30 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 46.140 ug/l  
 RT: 11.81 min Scan# 1791  
 Delta R.T. 0.00 min  
 Lab File: VX012248.D  
 Acq: 10 Sep 2019 10:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 394154 |       |       |
| 120     | 42.6  |        | 21.9  | 65.5  |





#85

sec-Butylbenzene

Concen: 46.888 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 441342

Ion Ratio Lower Upper

105 100

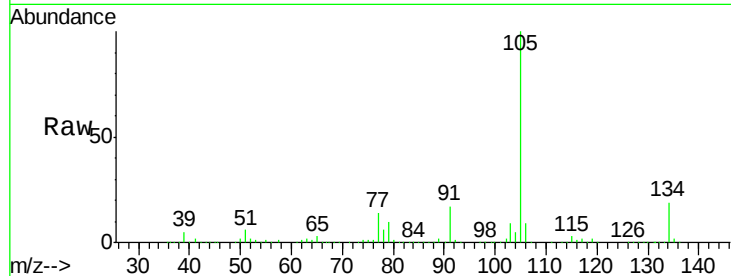
134 19.8 9.8 29.3

Manual Integrations

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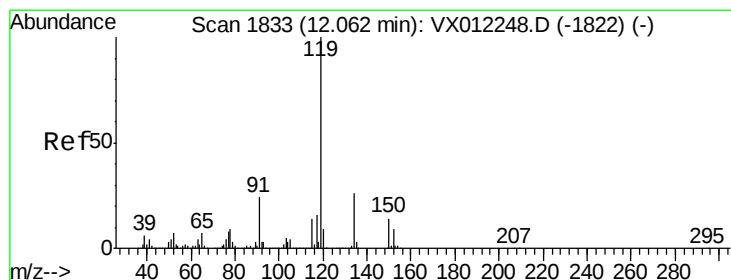
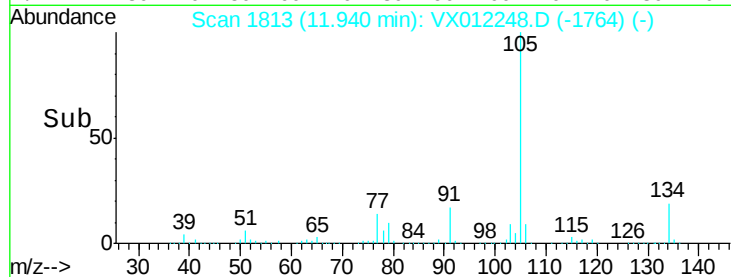
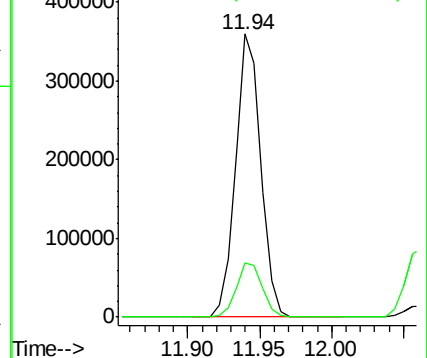
MMDadoda

9/12/2019 9:00:30 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.643 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

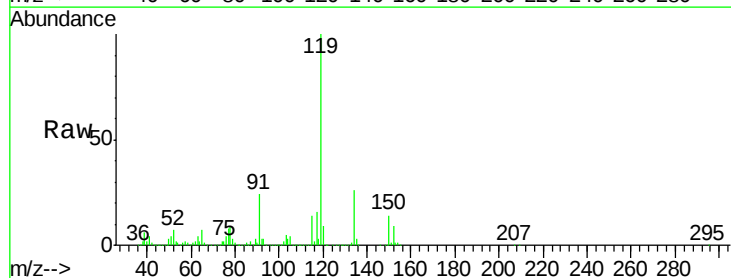
Tgt Ion:119 Resp: 415786

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

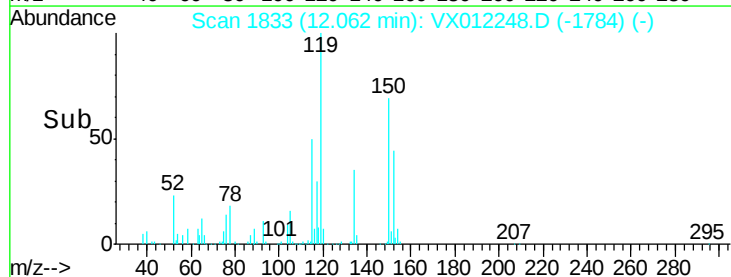
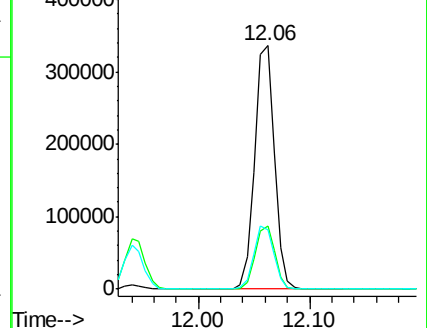
91 26.1 13.3 39.8

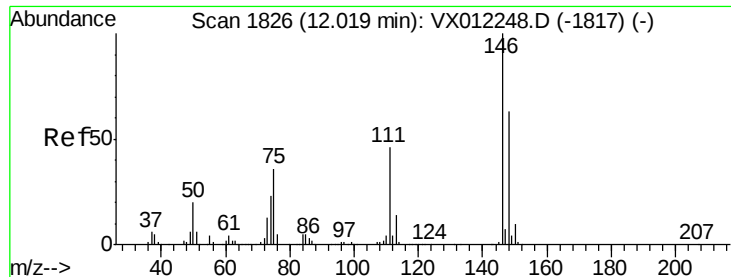


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





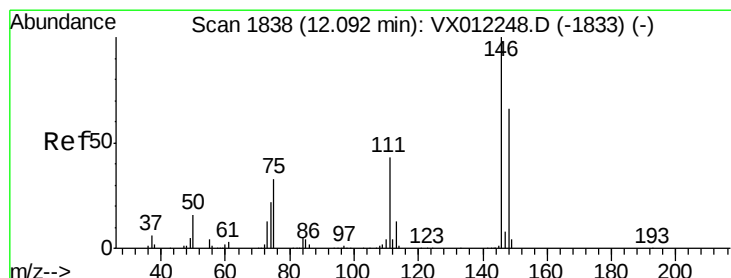
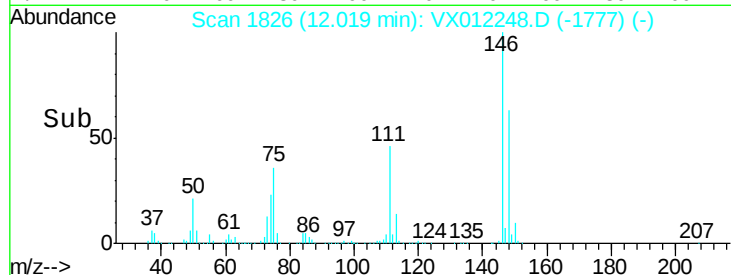
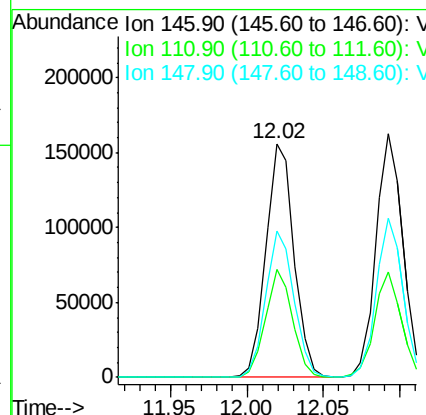
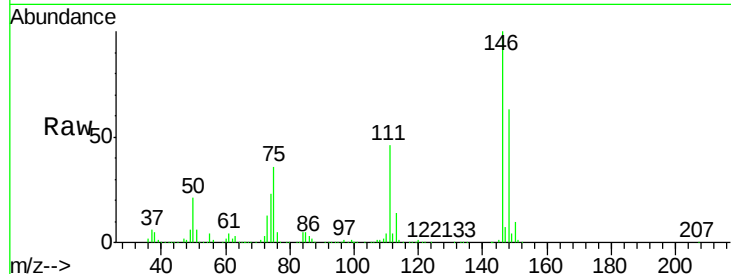
#87  
 1,3-Dichlorobenzene  
 Concen: 46.275 ug/l  
 RT: 12.02 min Scan# 1826  
 Delta R.T. 0.00 min  
 Lab File: VX012248.D  
 Acq: 10 Sep 2019 10:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 200160 |       |       |
| 111     | 44.5  | 22.2   | 66.6  |       |
| 148     | 63.0  | 31.9   | 95.5  |       |

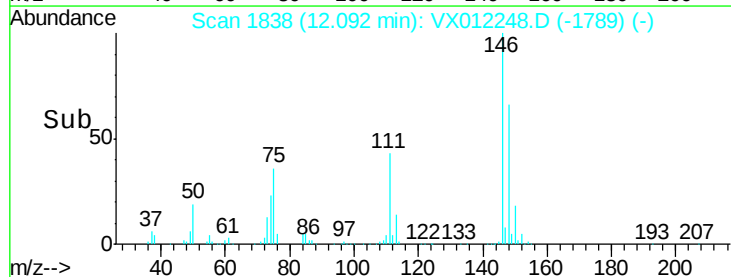
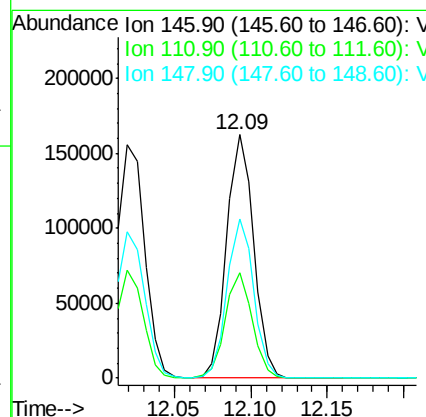
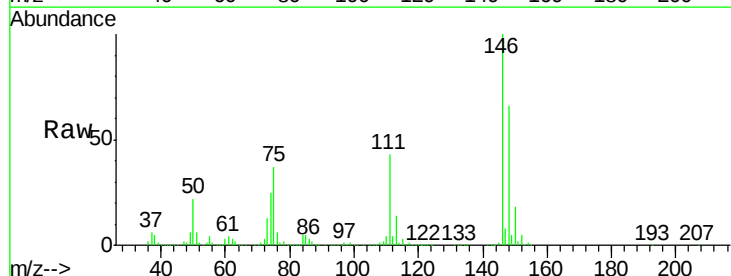
Manual Integrations  
 APPROVED

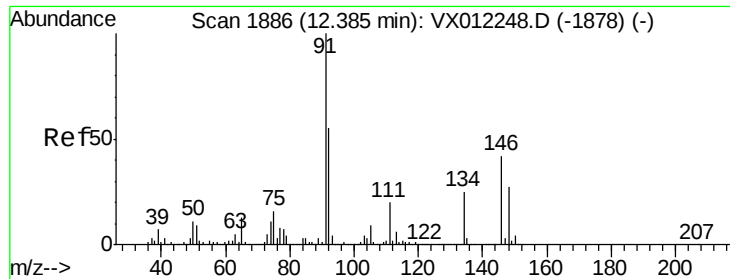
MMDadoda  
 9/12/2019 9:00:30 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 45.778 ug/l  
 RT: 12.09 min Scan# 1838  
 Delta R.T. 0.00 min  
 Lab File: VX012248.D  
 Acq: 10 Sep 2019 10:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 198566 |       |       |
| 111     | 43.2  | 21.9   | 65.5  |       |
| 148     | 64.8  | 32.5   | 97.4  |       |





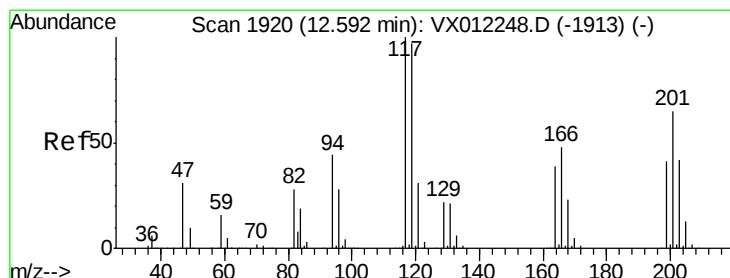
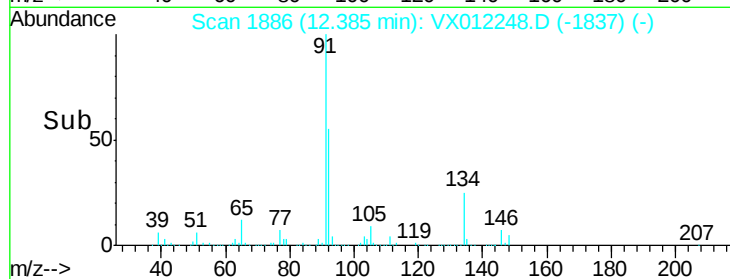
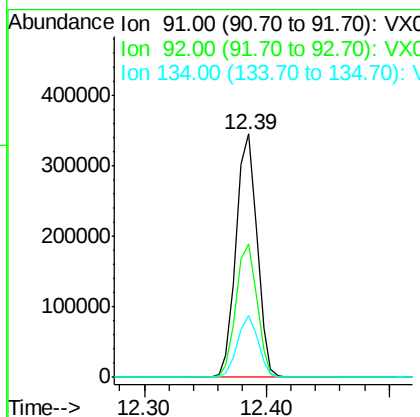
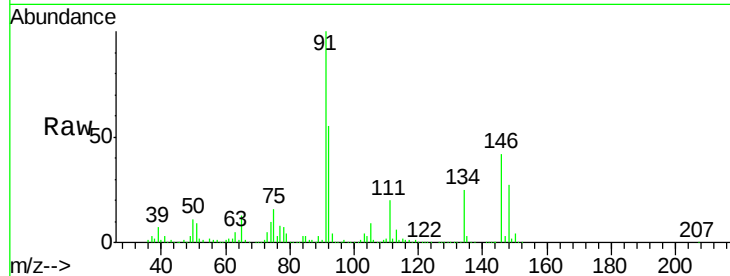
#89  
n-Butylbenzene  
Concen: 48.571 ug/l  
RT: 12.39 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 406647 |       |       |
| 92      | 55.1  | 27.2   | 81.5  |       |
| 134     | 25.0  | 12.6   | 37.6  |       |

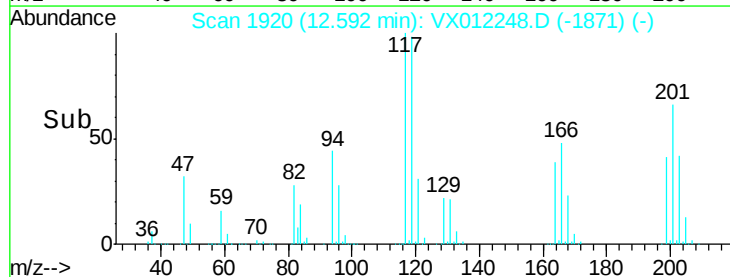
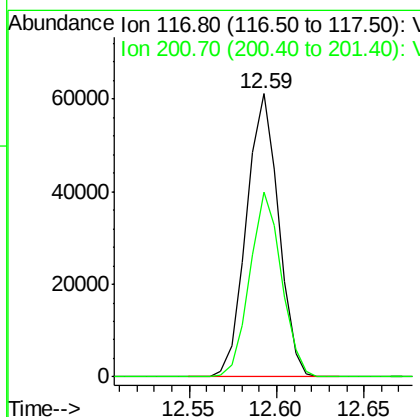
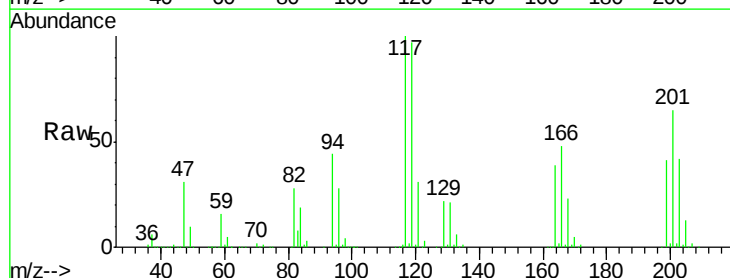
Manual Integrations  
APPROVED

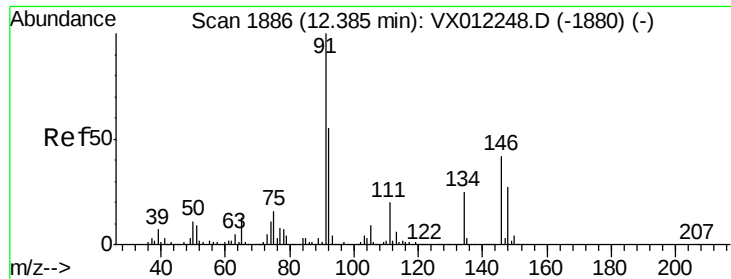
MMDadoda  
9/12/2019 9:00:30 AM



#90  
Hexachloroethane  
Concen: 48.867 ug/l  
RT: 12.59 min Scan# 1920  
Delta R.T. 0.00 min  
Lab File: VX012248.D  
Acq: 10 Sep 2019 10:28

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 78209 |       |       |
| 201     | 64.4  | 31.8  | 95.4  |       |





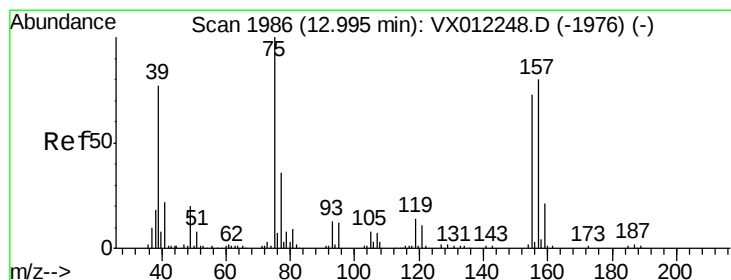
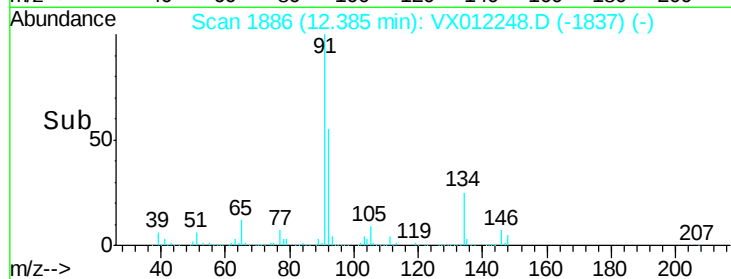
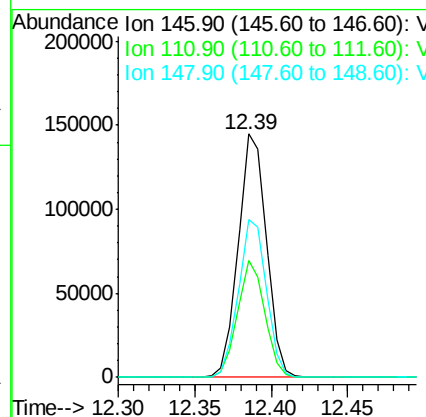
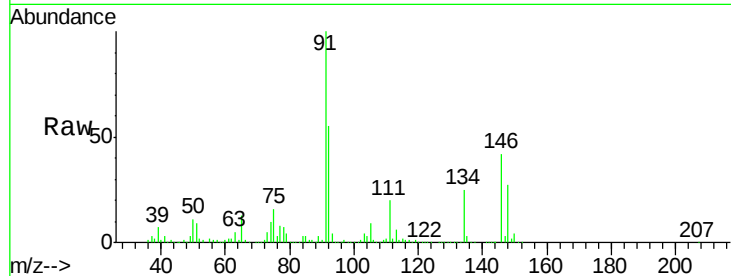
#91  
 1,2-Dichlorobenzene  
 Concen: 45.763 ug/l  
 RT: 12.39 min Scan# 1886  
 Delta R.T. 0.00 min  
 Lab File: VX012248.D  
 Acq: 10 Sep 2019 10:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 185225 |       |       |
| 111     | 46.4  | 22.9   | 68.8  |       |
| 148     | 64.7  | 31.4   | 94.3  |       |

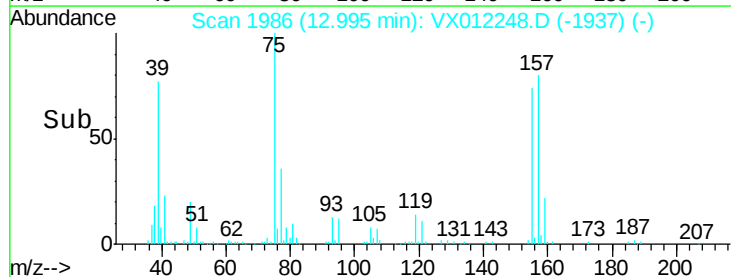
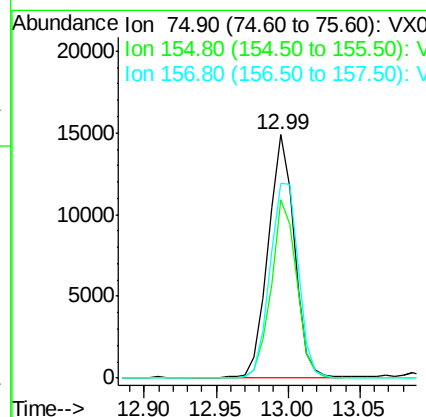
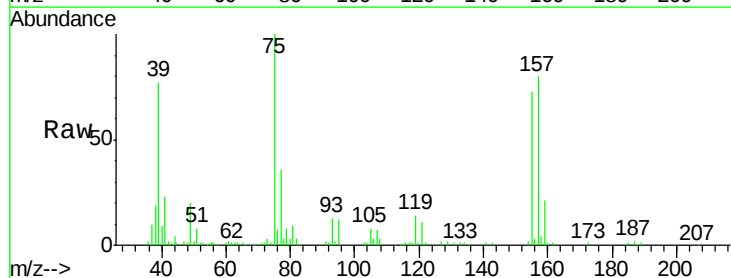
Manual Integrations  
 APPROVED

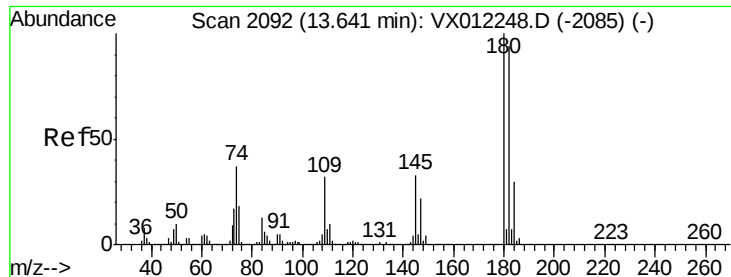
MMDadoda  
 9/12/2019 9:00:30 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 46.186 ug/l  
 RT: 12.99 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VX012248.D  
 Acq: 10 Sep 2019 10:28

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 18778 |       |       |
| 155     | 70.5  | 33.8  | 101.3 |       |
| 157     | 86.4  | 43.0  | 129.2 |       |





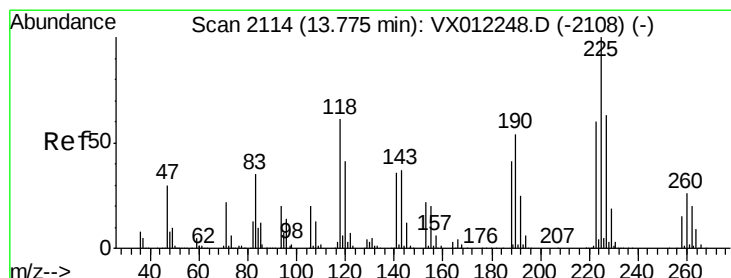
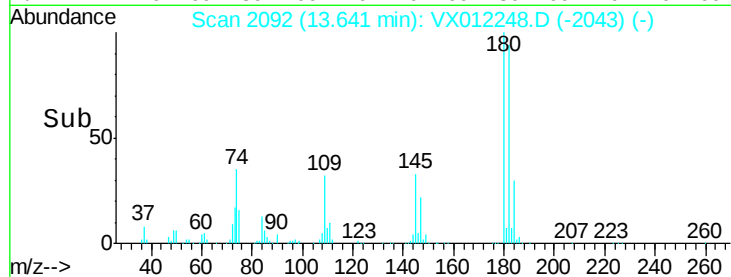
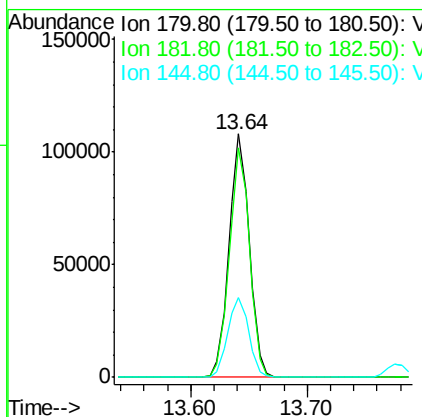
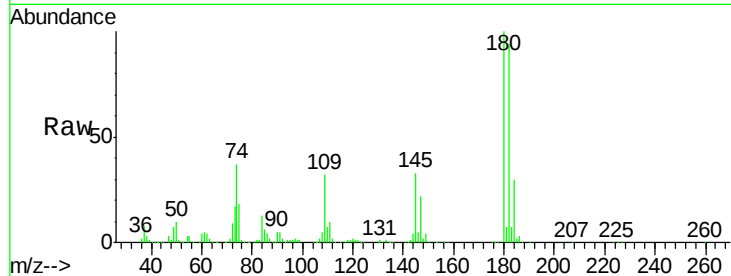
#93  
 1,2,4-Trichlorobenzene  
 Concen: 48.802 ug/l  
 RT: 13.64 min Scan# 2092  
 Delta R.T. 0.00 min  
 Lab File: VX012248.D  
 Acq: 10 Sep 2019 10:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 130615 |       |       |
| 182     | 93.9  | 47.1   | 141.4 |       |
| 145     | 34.1  | 17.2   | 51.6  |       |

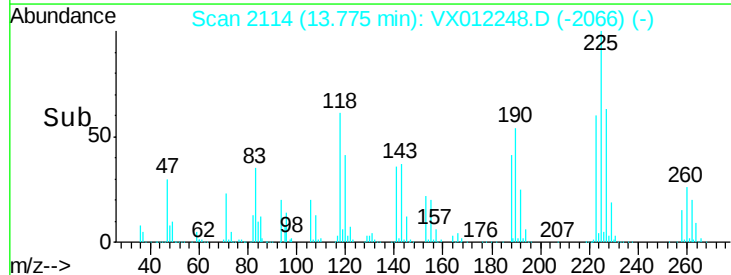
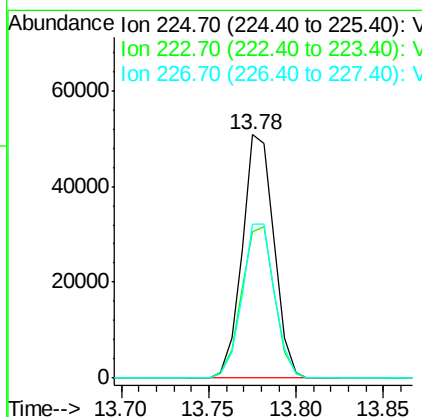
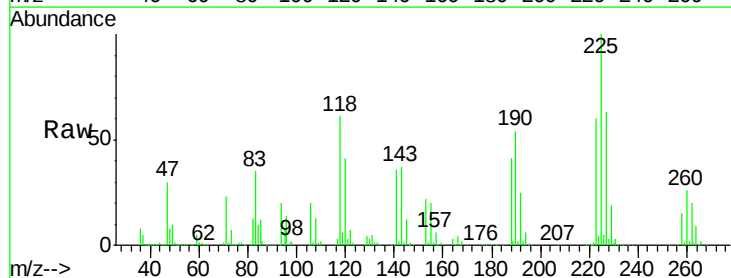
Manual Integrations  
 APPROVED

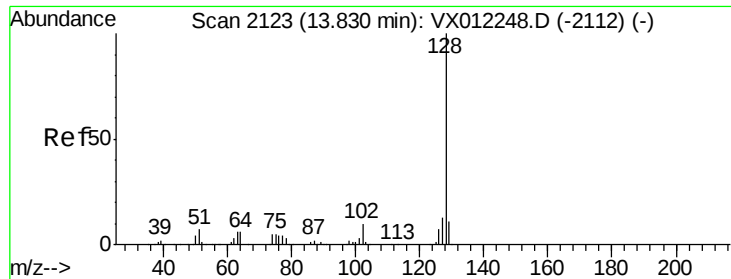
MMDadoda  
 9/12/2019 9:00:30 AM



#94  
 Hexachlorobutadiene  
 Concen: 49.211 ug/l  
 RT: 13.78 min Scan# 2114  
 Delta R.T. -0.01 min  
 Lab File: VX012248.D  
 Acq: 10 Sep 2019 10:28

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 63718 |       |       |
| 223     | 64.3  | 31.7  | 95.1  |       |
| 227     | 65.0  | 30.8  | 92.3  |       |





#95

Naphthalene

Concen: 47.909 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:128 Resp: 281548

Ion Ratio Lower Upper

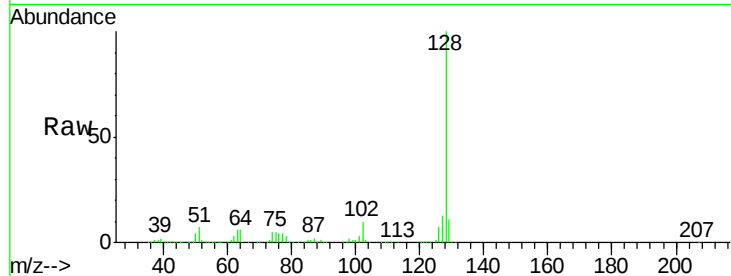
128 100

127 12.7 10.5 15.7

129 11.1 8.7 13.1

Manual Integrations  
APPROVED

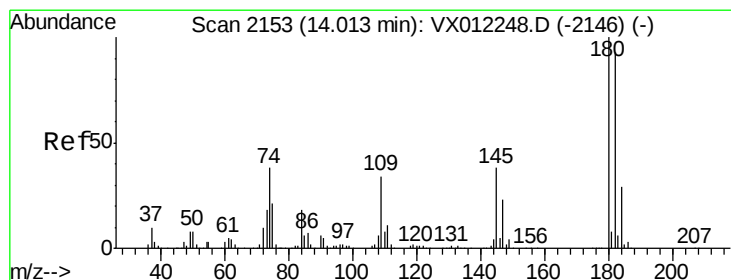
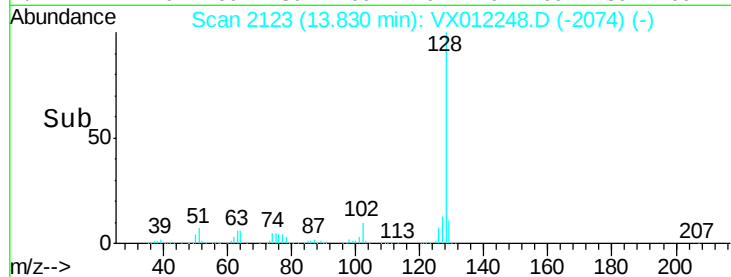
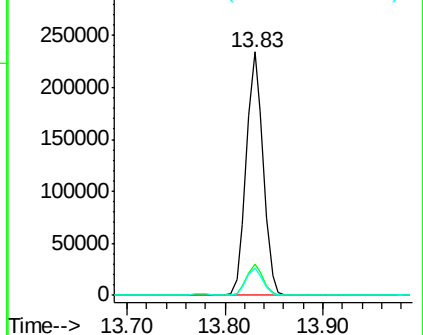
MMDadoda  
9/12/2019 9:00:30 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.870 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012248.D

Acq: 10 Sep 2019 10:28

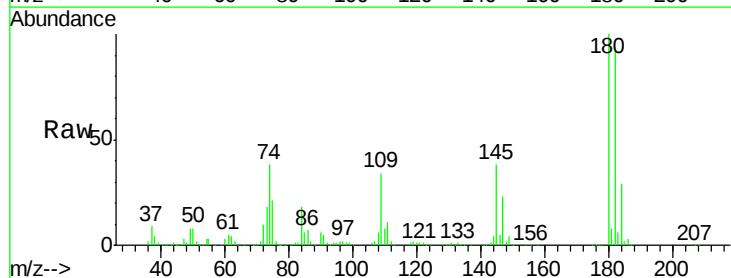
Tgt Ion:180 Resp: 114375

Ion Ratio Lower Upper

180 100

182 94.0 48.3 144.9

145 37.2 18.9 56.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

