

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012819\  
 Data File : VX007257.D  
 Acq On : 28 Jan 2019 13:31  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 1/29/2019 9:51:14 AM

Quant Time: Jan 29 03:02:04 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 08 14:06:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 485161   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 687057   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 635009   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 344165   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 251988   | 49.70 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.40%  |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 230993   | 52.50 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.00% |      |
| 50) Toluene-d8            | 8.71   | 98  | 849107   | 52.72 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.44% |      |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 313702   | 55.87 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 111.74% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 179563  | 45.070  | ug/l | 100    |
| 3) Chloromethane              | 1.33 | 50  | 208139  | 44.876  | ug/l | 97     |
| 4) Vinyl Chloride             | 1.41 | 62  | 225498  | 45.198  | ug/l | 100    |
| 5) Bromomethane               | 1.64 | 94  | 237950  | 44.640  | ug/l | 98     |
| 6) Chloroethane               | 1.71 | 64  | 150540  | 43.213  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 385913  | 47.872  | ug/l | 97     |
| 8) Diethyl Ether              | 2.19 | 74  | 151319  | 47.182  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 235018  | 48.696  | ug/l | 99     |
| 10) Methyl Iodide             | 2.51 | 142 | 326643  | 50.174  | ug/l | 100    |
| 11) Tert butyl alcohol        | 3.07 | 59  | 270980  | 226.560 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 209360  | 46.952  | ug/l | 99     |
| 13) Acrolein                  | 2.29 | 56  | 135982  | 263.444 | ug/l | 97     |
| 14) Allyl chloride            | 2.73 | 41  | 376769  | 49.303  | ug/l | 100    |
| 15) Acrylonitrile             | 3.15 | 53  | 682712  | 248.646 | ug/l | 100    |
| 16) Acetone                   | 2.45 | 43  | 611734  | 244.048 | ug/l | 100    |
| 17) Carbon Disulfide          | 2.57 | 76  | 456255  | 39.743  | ug/l | 99     |
| 18) Methyl Acetate            | 2.78 | 43  | 379346  | 52.259  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 776324  | 50.161  | ug/l | 99     |
| 20) Methylene Chloride        | 2.85 | 84  | 242634  | 50.902  | ug/l | 95     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 224559  | 45.191  | ug/l | 97     |
| 22) Diisopropyl ether         | 3.87 | 45  | 727190  | 50.617  | ug/l | 97     |
| 23) Vinyl Acetate             | 3.82 | 43  | 2974960 | 245.546 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 420378  | 52.329  | ug/l | 97     |
| 25) 2-Butanone                | 4.70 | 43  | 872758  | 243.338 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 315441  | 51.064  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 258037  | 47.078  | ug/l | 97     |
| 28) Bromochloromethane        | 5.02 | 49  | 165837  | 47.117  | ug/l | 96     |
| 29) Tetrahydrofuran           | 5.15 | 42  | 560616  | 240.520 | ug/l | 96     |
| 30) Chloroform                | 5.21 | 83  | 421626  | 50.129  | ug/l | 98     |
| 31) Cyclohexane               | 5.57 | 56  | 328154  | 45.896  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 359672  | 50.451  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 296649  | 49.662  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.85 | 43  | 326621  | 51.002  | ug/l | 97     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 312629  | 52.019  | ug/l | 95     |

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 Acq On : 28 Jan 2019 13:31  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 1/29/2019 9:51:14 AM

Quant Time: Jan 29 03:02:04 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 08 14:06:59 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 367856   | 48.306  | ug/l  | 95       |
| 40) Benzene                    | 6.14  | 78   | 907309   | 49.779  | ug/l  | 100      |
| 41) Methacrylonitrile          | 5.06  | 41   | 186052   | 50.431  | ug/l  | 98       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 318953   | 50.640  | ug/l  | 99       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 541417   | 53.598  | ug/l  | 97       |
| 44) Trichloroethene            | 7.21  | 130  | 274230   | 50.209  | ug/l  | 100      |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 240693   | 52.527  | ug/l  | 98       |
| 46) Dibromomethane             | 7.66  | 93   | 168390   | 52.288  | ug/l  | 99       |
| 47) Bromodichloromethane       | 7.90  | 83   | 308592   | 56.296  | ug/l  | 97       |
| 48) Methyl methacrylate        | 7.77  | 41   | 275393   | 53.088  | ug/l  | 98       |
| 49) 1,4-Dioxane                | 7.75  | 88   | 114048   | 962.380 | ug/l  | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 1762575  | 271.507 | ug/l  | 99       |
| 52) Toluene                    | 8.78  | 92   | 607574   | 51.863  | ug/l  | 98       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 348534   | 57.340  | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 374157   | 55.739  | ug/l  | 98       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 259867   | 55.420  | ug/l  | 99       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 377479   | 55.144  | ug/l  | 95       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 411203   | 53.529  | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 915655   | 260.159 | ug/l  | 98       |
| 59) 2-Hexanone                 | 9.49  | 43   | 1326663  | 268.168 | ug/l  | 99       |
| 60) Dibromochloromethane       | 9.58  | 129  | 276857   | 60.805  | ug/l  | 98       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 278265   | 53.905  | ug/l  | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 294795   | 53.621  | ug/l  | 96       |
| 65) Chlorobenzene              | 10.14 | 112  | 715250   | 51.643  | ug/l  | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 263665   | 56.591  | ug/l  | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 1183100  | 51.744  | ug/l  | 98       |
| 68) m/p-Xylenes                | 10.36 | 106  | 927933   | 103.009 | ug/l  | 99       |
| 69) o-Xylene                   | 10.69 | 106  | 454267   | 51.708  | ug/l  | 96       |
| 70) Styrene                    | 10.71 | 104  | 739171   | 53.124  | ug/l  | 97       |
| 71) Bromoform                  | 10.86 | 173  | 210548   | 50.463  | ug/l  | 98       |
| 73) Isopropylbenzene           | 11.02 | 105  | 1227429  | 50.577  | ug/l  | 100      |
| 74) N-amyl acetate             | 10.90 | 43   | 484870   | 49.623  | ug/l  | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 375919   | 48.793  | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 356542m  | 51.122  | ug/l  |          |
| 77) Bromobenzene               | 11.26 | 156  | 328930   | 49.190  | ug/l  | 99       |
| 78) n-propylbenzene            | 11.36 | 91   | 1386327  | 52.036  | ug/l  | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 803539   | 50.105  | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 1016760  | 50.141  | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 110173   | 47.849  | ug/l  | 97       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 939756   | 50.610  | ug/l  | 100      |
| 83) tert-Butylbenzene          | 11.77 | 119  | 1012370  | 50.038  | ug/l  | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 1042159  | 51.108  | ug/l  | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 1259373  | 52.121  | ug/l  | 99       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 1131366  | 52.347  | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 603668   | 49.946  | ug/l  | 100      |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 607795   | 53.066  | ug/l  | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 987476   | 53.597  | ug/l  | 98       |
| 90) Hexachloroethane           | 12.60 | 117  | 179485   | 51.902  | ug/l  | 94       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 598393   | 50.169  | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 77708    | 50.998  | ug/l  | 96       |

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Data File : VX007257.D  
Acq On : 28 Jan 2019 13:31  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

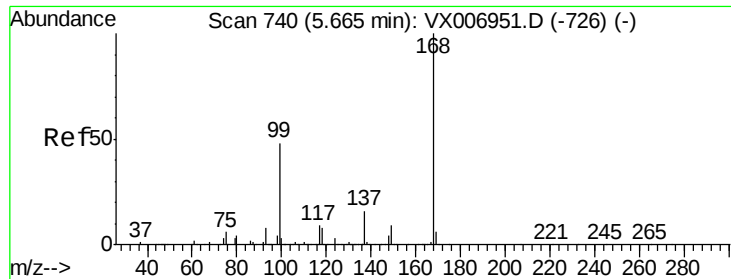
MMDadoda  
1/29/2019 9:51:14 AM

Quant Time: Jan 29 03:02:04 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 08 14:06:59 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 430214   | 52.573 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 206274   | 56.803 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 1277120  | 51.504 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 421579   | 51.861 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 485161

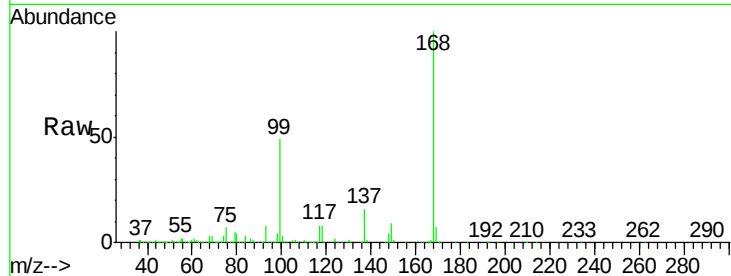
Ion Ratio Lower Upper

168 100

99 48.8 41.8 62.8

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1/29/2019 9:51:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

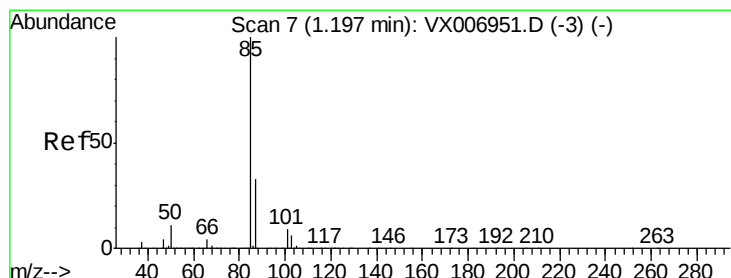
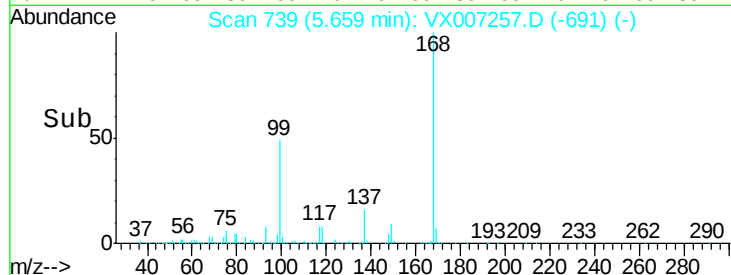
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.070 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007257.D

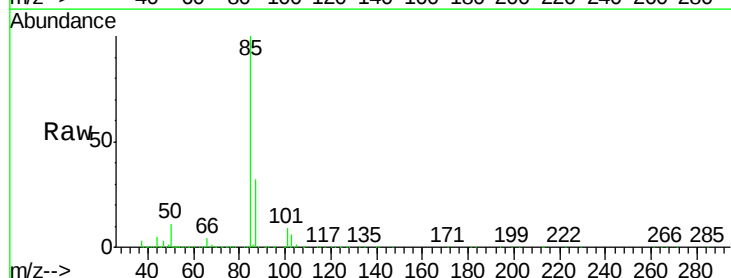
Acq: 28 Jan 2019 13:31

Tgt Ion: 85 Resp: 179563

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

200000

150000

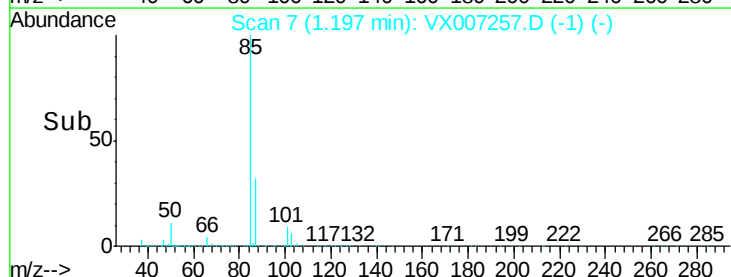
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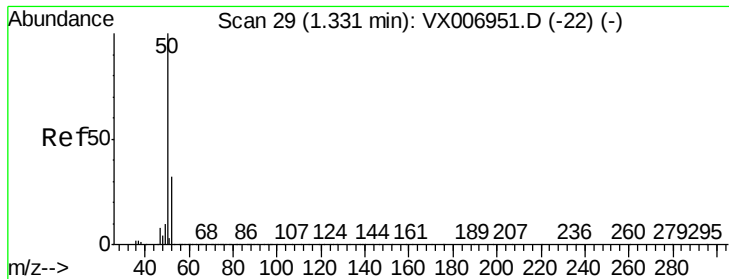
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 44.876 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 208139

Ion Ratio Lower Upper

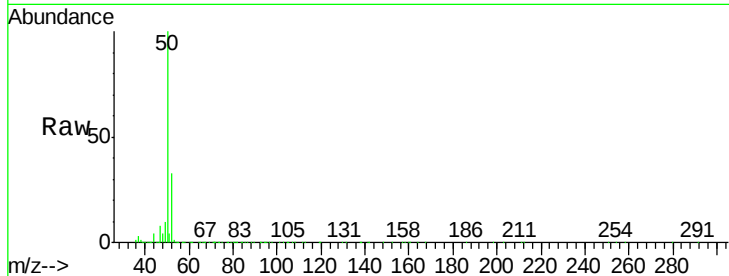
50 100

52 33.3 25.4 38.2

Manual Integrations  
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1/29/2019 9:51:14 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

200000

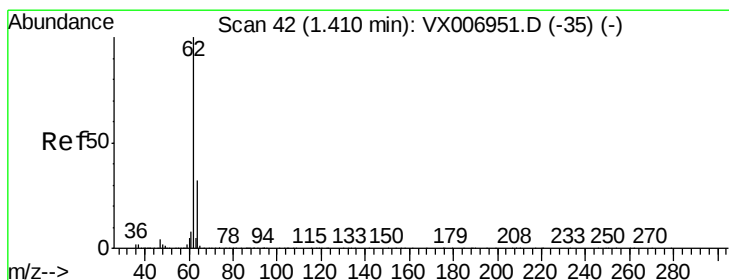
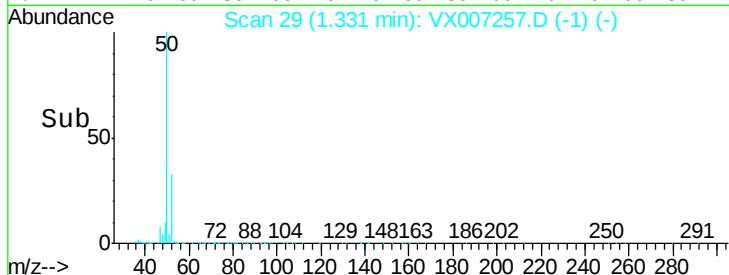
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 45.198 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007257.D

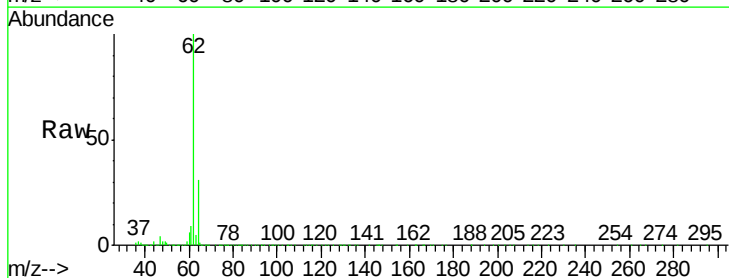
Acq: 28 Jan 2019 13:31

Tgt Ion: 62 Resp: 225498

Ion Ratio Lower Upper

62 100

64 31.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

250000

200000

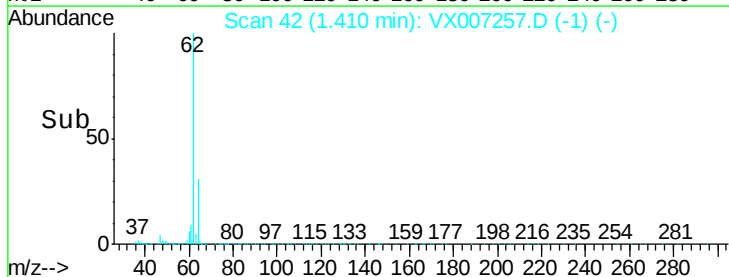
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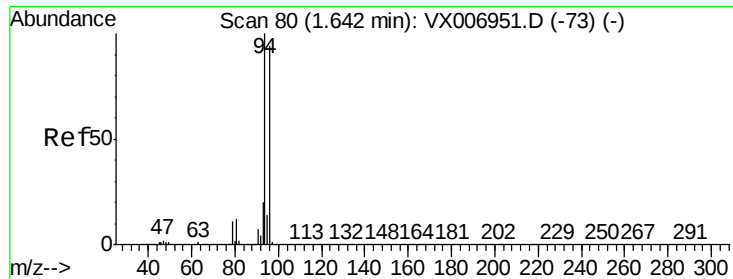
100000

50000

0

Time--> 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 44.640 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 237950

Ion Ratio Lower Upper

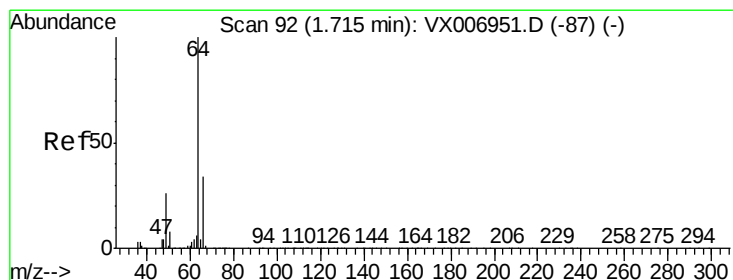
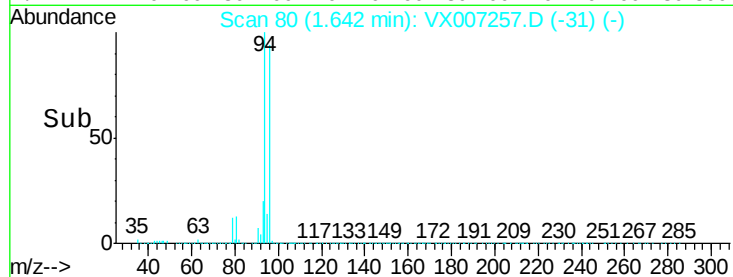
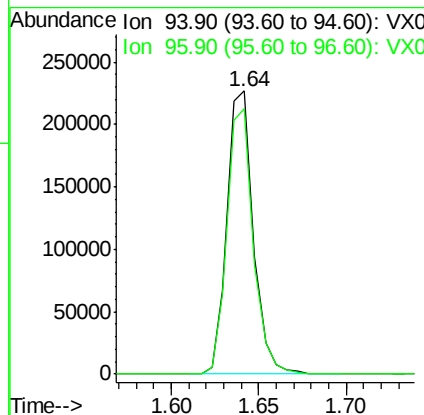
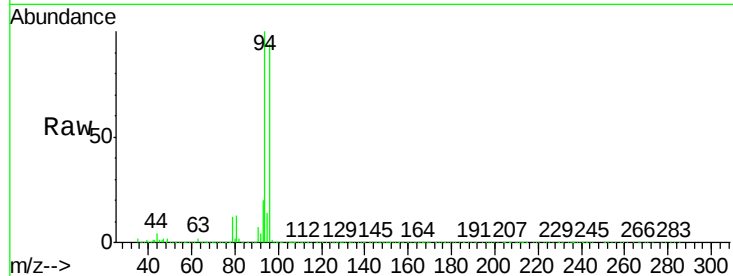
94 100

96 93.9 73.4 110.2

Manual Integrations  
APPROVED

MMDadoda

1/29/2019 9:51:14 AM



#6

Chloroethane

Concen: 43.213 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX007257.D

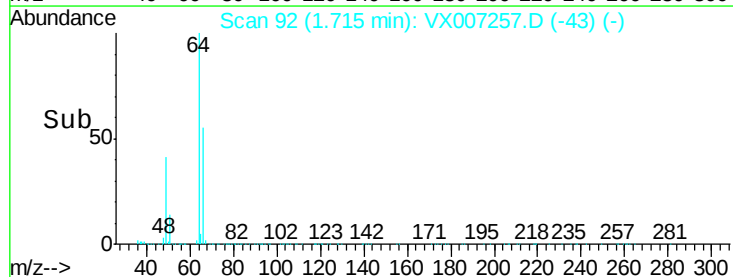
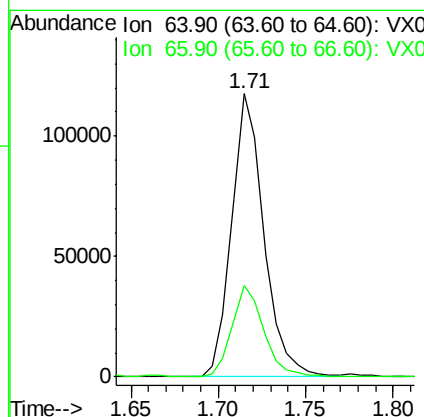
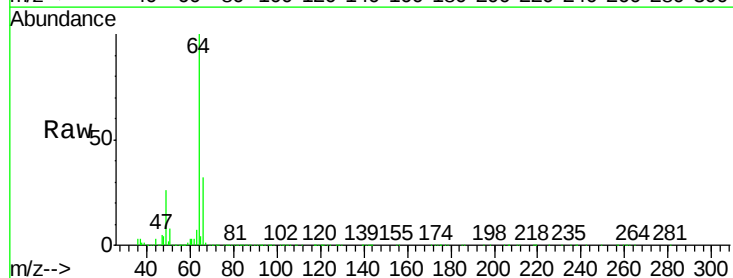
Acq: 28 Jan 2019 13:31

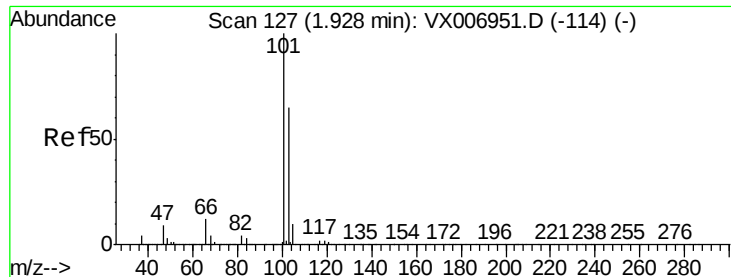
Tgt Ion: 64 Resp: 150540

Ion Ratio Lower Upper

64 100

66 32.0 26.4 39.6





#7

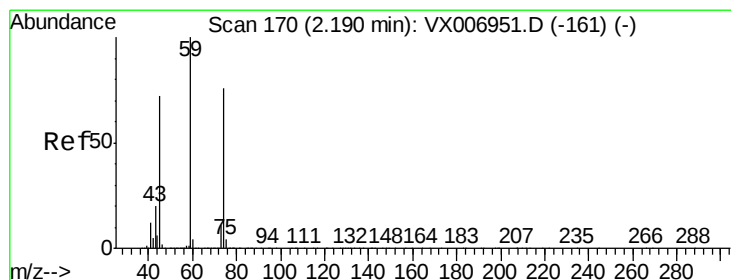
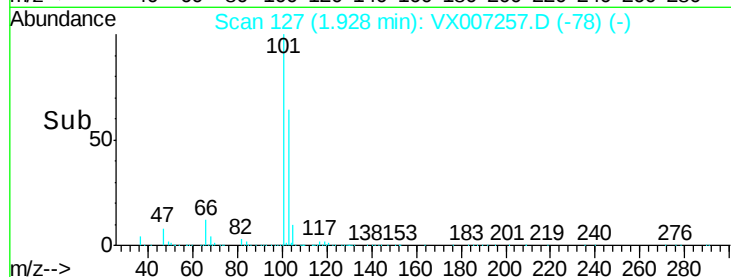
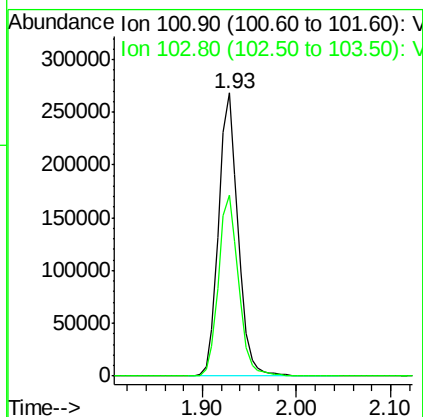
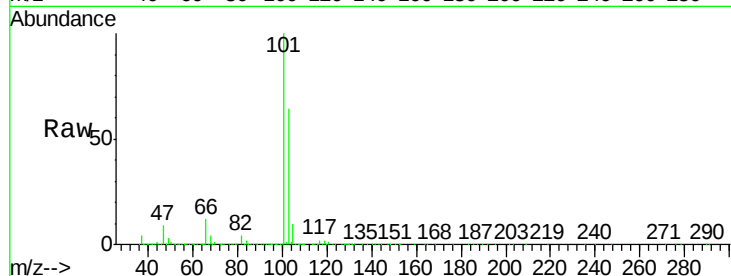
Trichlorofluoromethane  
Concen: 47.872 ug/l  
RT: 1.93 min Scan# 127  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.0  | 53.2  | 79.8  |

Manual Integrations  
APPROVED

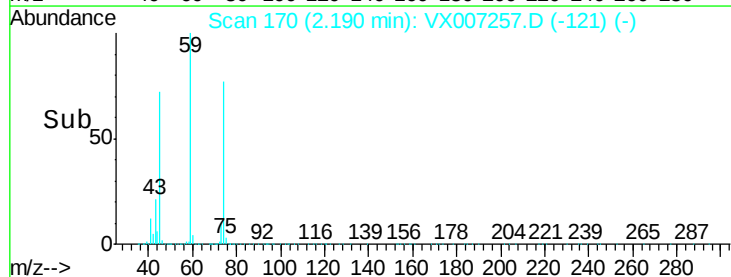
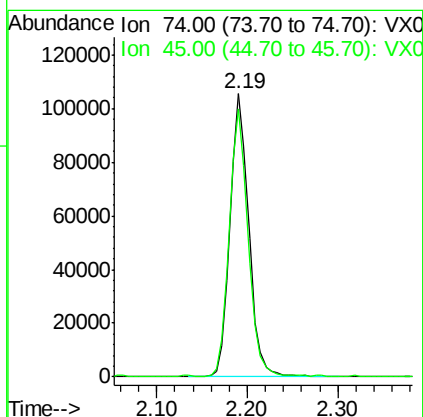
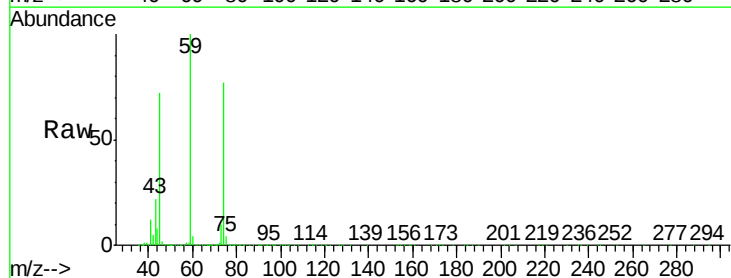
MMDadoda  
1/29/2019 9:51:14 AM

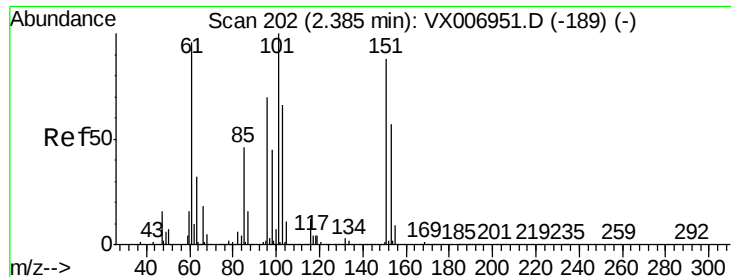


#8

Diethyl Ether  
Concen: 47.182 ug/l  
RT: 2.19 min Scan# 170  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 94.2  | 46.3  | 138.9 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.696 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

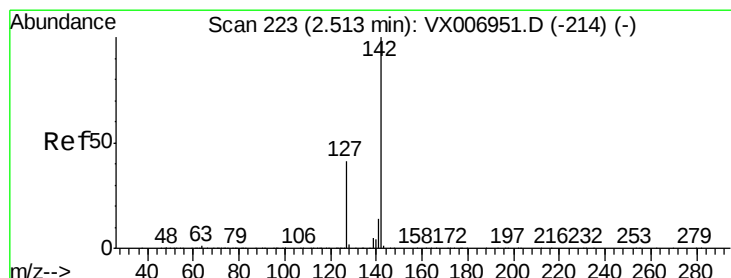
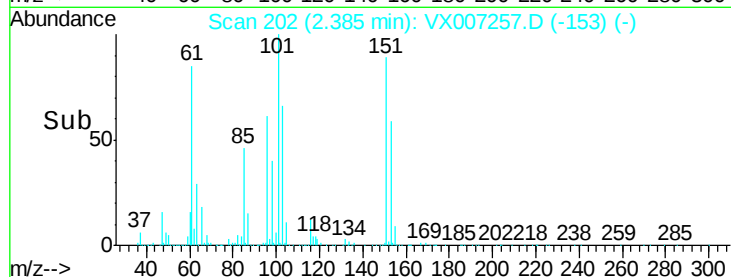
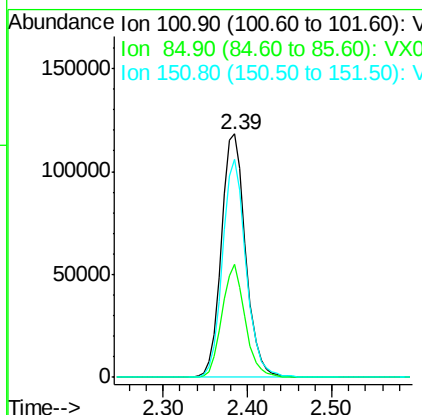
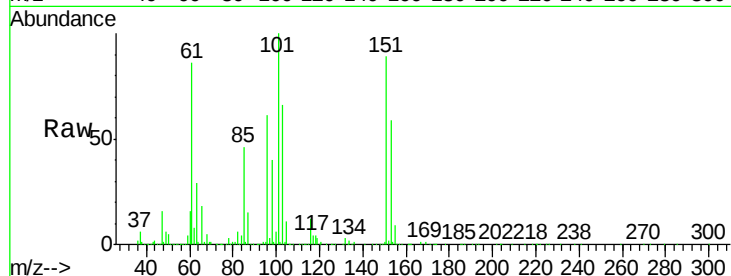
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 235018 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 44.4  | 35.1  | 52.7   |
| 151       | 86.8  | 68.9  | 103.3  |

Manual Integrations  
APPROVED

MMDadoda  
1/29/2019 9:51:14 AM



#10

Methyl Iodide

Concen: 50.174 ug/l

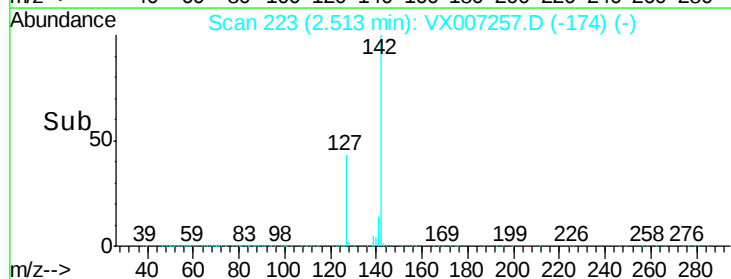
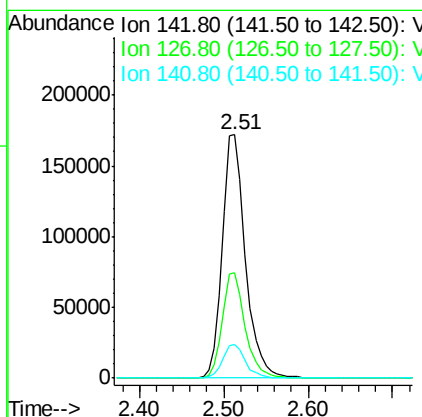
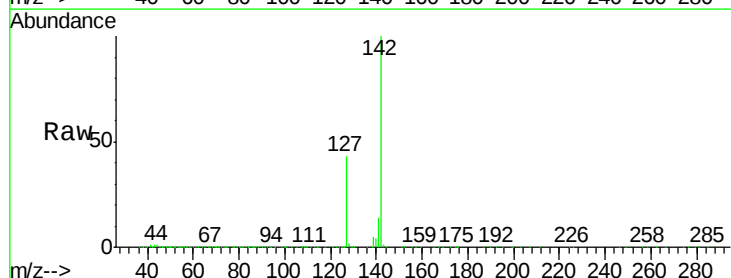
RT: 2.51 min Scan# 223

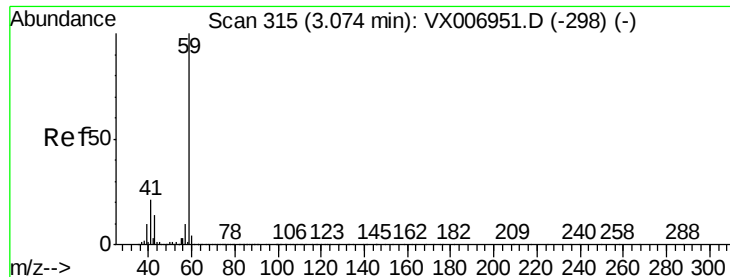
Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 326643 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 42.6  | 33.9  | 50.9   |
| 141       | 13.8  | 11.4  | 17.0   |





#11

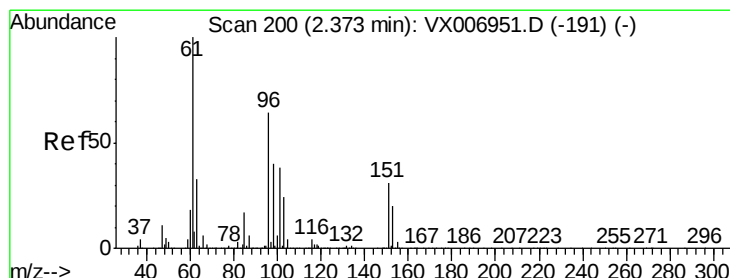
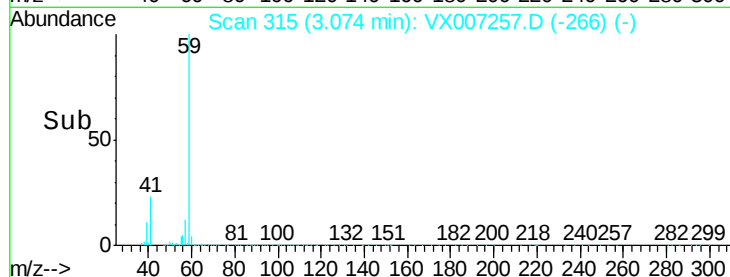
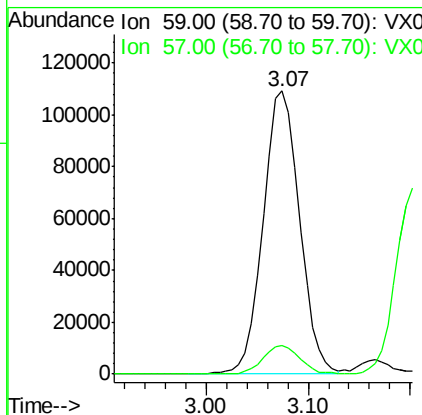
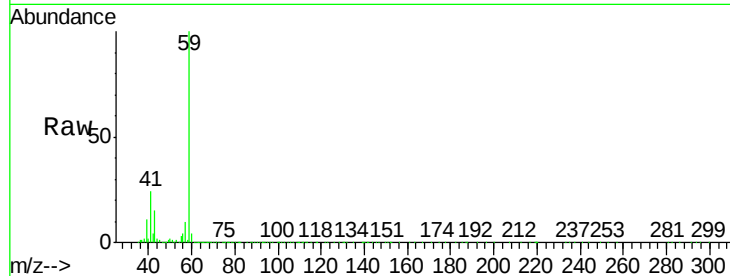
Tert butyl alcohol  
 Concen: 226.560 ug/l  
 RT: 3.07 min Scan# 315  
 Delta R.T. 0.00 min  
 Lab File: VX007257.D  
 Acq: 28 Jan 2019 13:31

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.1  | 8.5   | 12.7  |

Manual Integrations  
 APPROVED

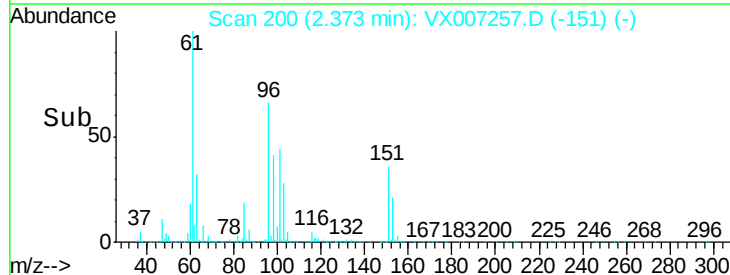
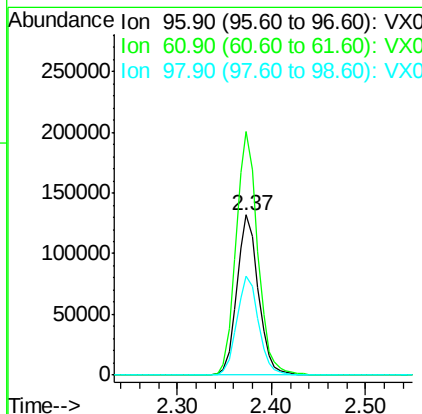
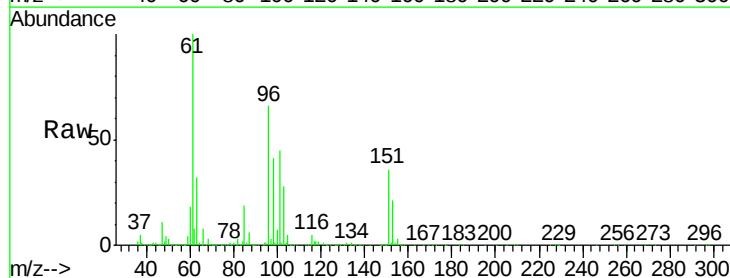
MMDadoda  
 1/29/2019 9:51:14 AM

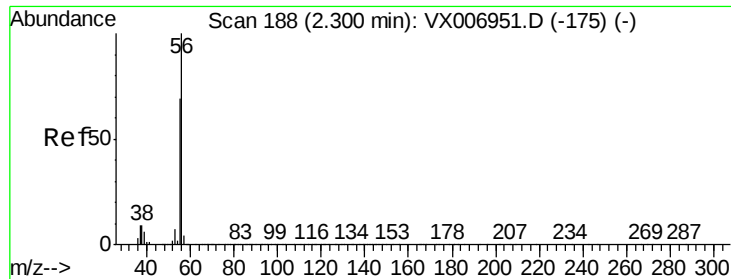


#12

1,1-Dichloroethene  
 Concen: 46.952 ug/l  
 RT: 2.37 min Scan# 200  
 Delta R.T. 0.00 min  
 Lab File: VX007257.D  
 Acq: 28 Jan 2019 13:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 152.3 | 121.4 | 182.2 |
| 98      | 61.9  | 51.9  | 77.9  |





#13

Acrolein

Concen: 263.444 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 135982

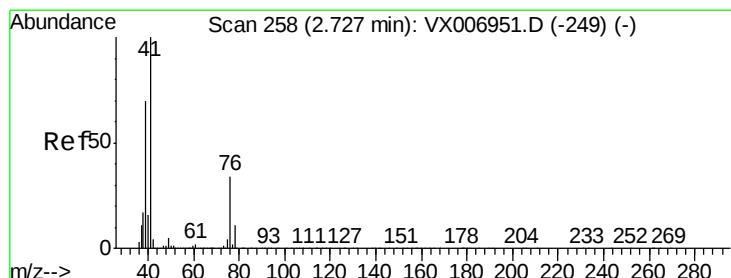
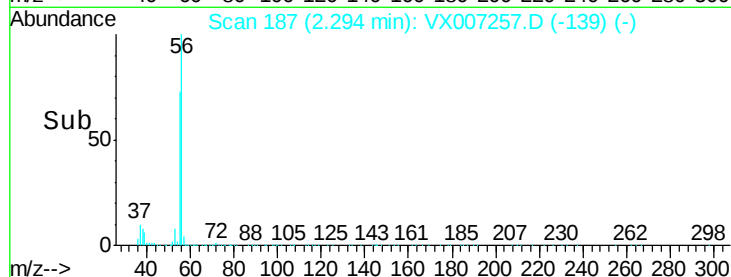
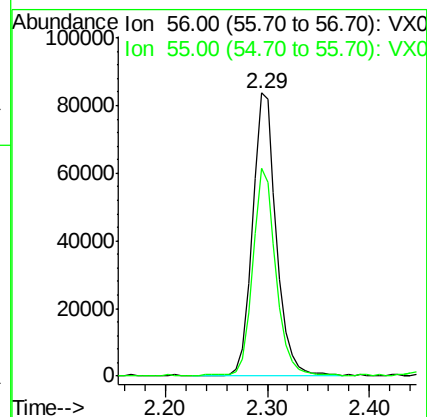
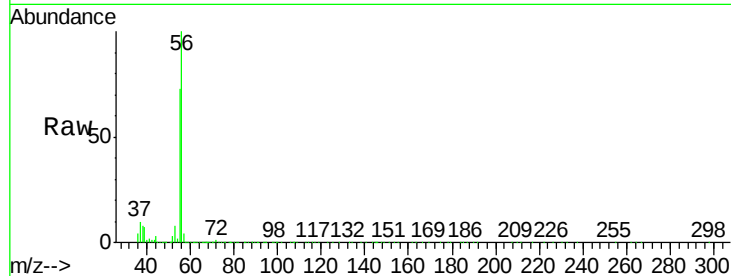
Ion Ratio Lower Upper

56 100

55 70.2 58.2 87.4

Manual Integrations  
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MMDadoda  
1/29/2019 9:51:14 AM



#14

Allyl chloride

Concen: 49.303 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

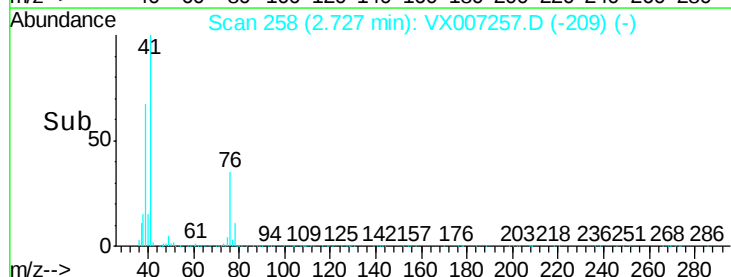
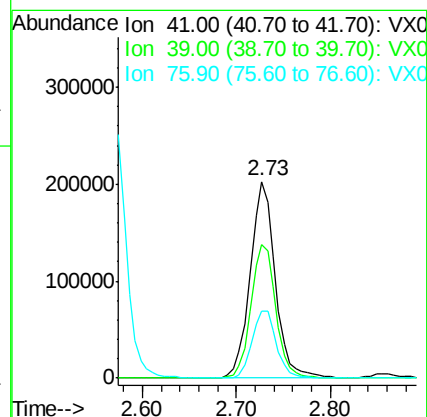
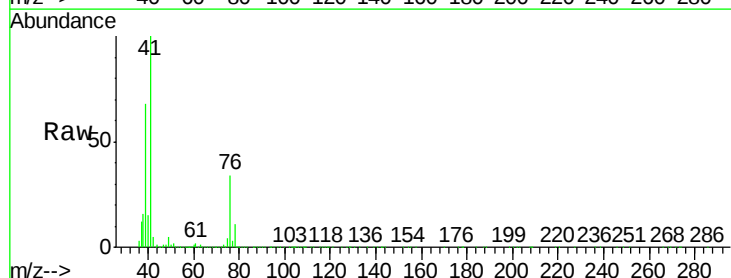
Tgt Ion: 41 Resp: 376769

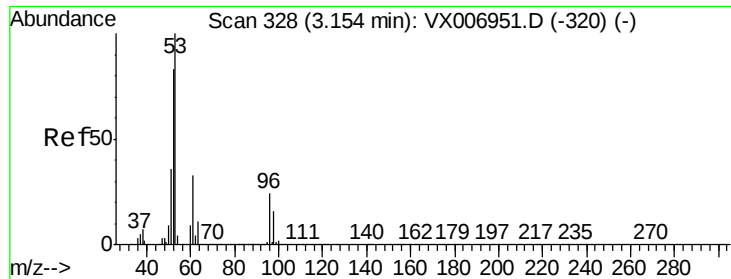
Ion Ratio Lower Upper

41 100

39 66.9 53.6 80.4

76 33.7 27.4 41.2





#15

Acrylonitrile

Concen: 248.646 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

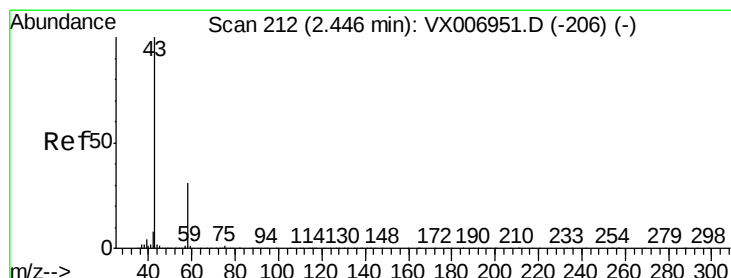
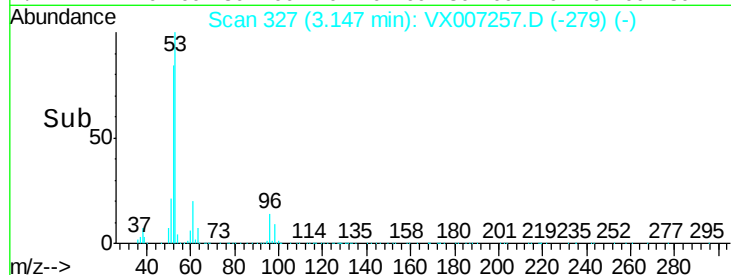
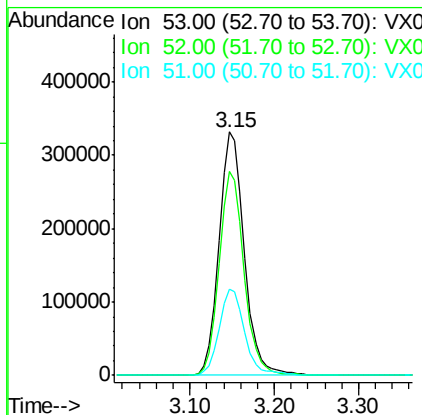
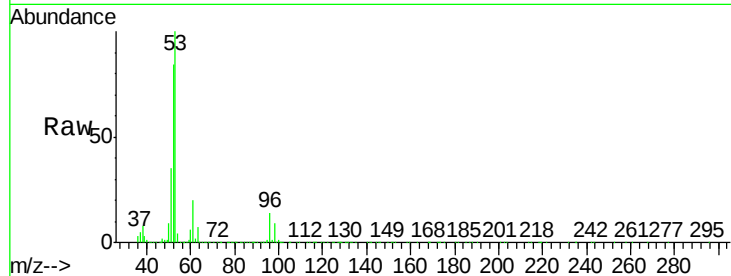
ClientSampleId :

VSTDCCC050

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 682712 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 82.8 | 66.0  | 99.0   |
| 51        | 35.7 | 28.6  | 42.8   |

Manual Integrations  
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MMDadoda  
1/29/2019 9:51:14 AM



#16

Acetone

Concen: 244.048 ug/l

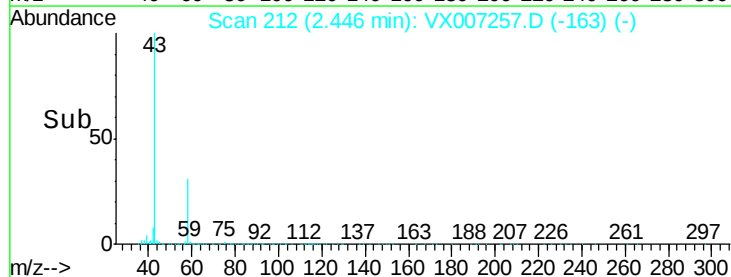
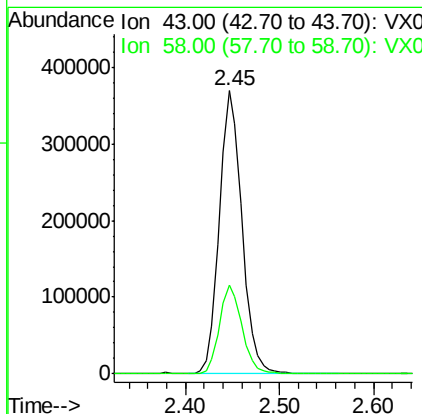
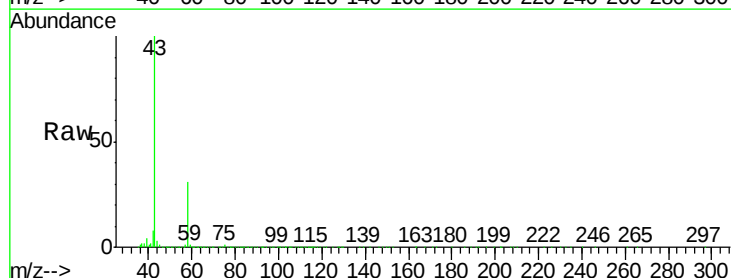
RT: 2.45 min Scan# 212

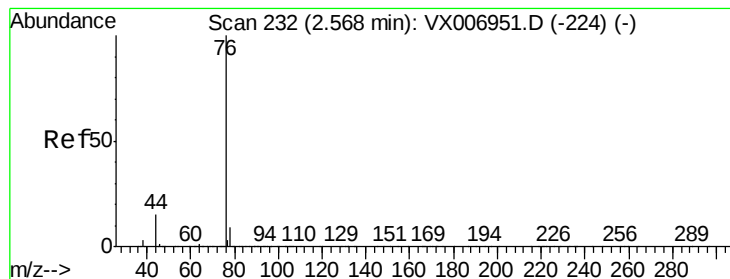
Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 611734 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 31.1 | 25.0  | 37.6   |





#17

Carbon Disulfide

Concen: 39.743 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 456255

Ion Ratio Lower Upper

76 100

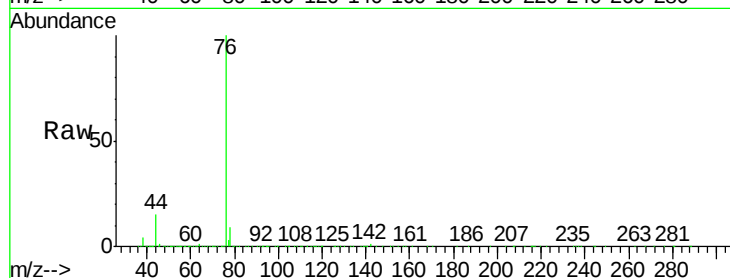
78 9.0 7.0 10.6

Manual Integrations

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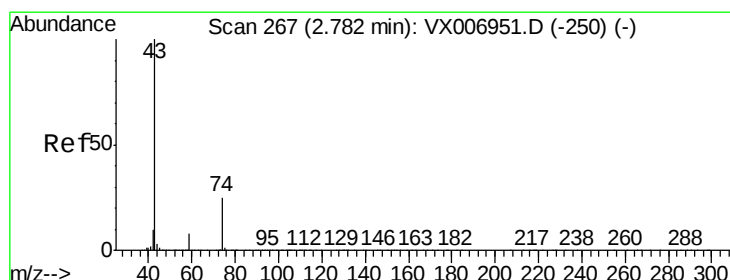
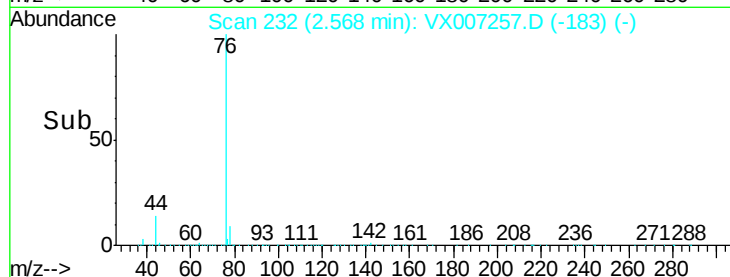
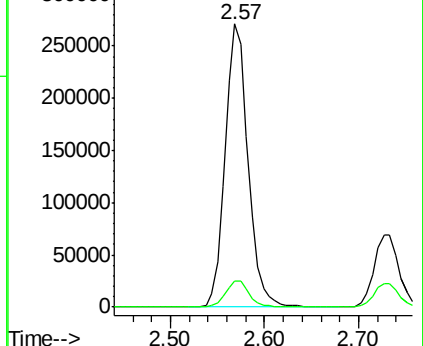
MMDadoda

1/29/2019 9:51:14 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 52.259 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007257.D

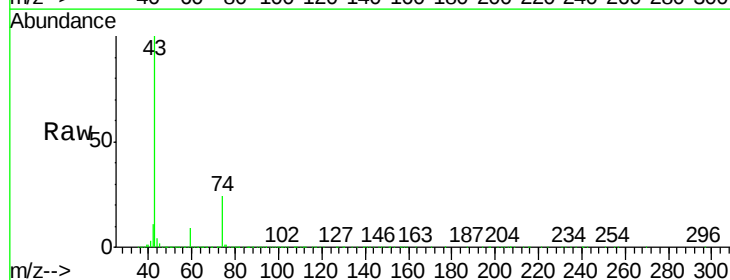
Acq: 28 Jan 2019 13:31

Tgt Ion: 43 Resp: 379346

Ion Ratio Lower Upper

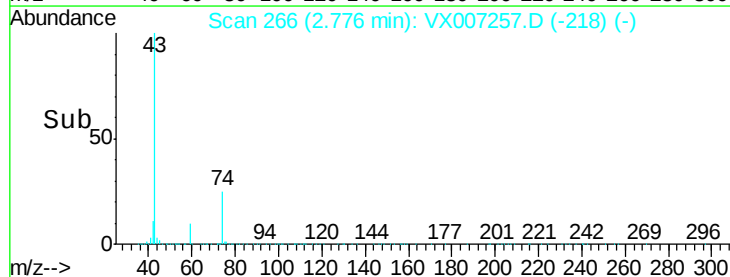
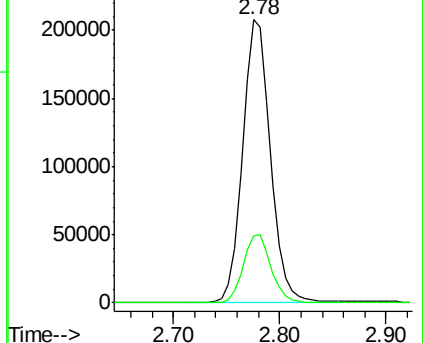
43 100

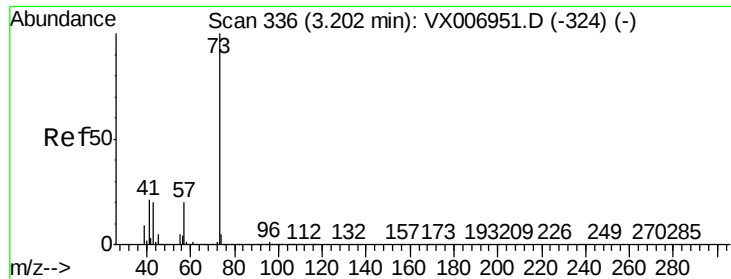
74 24.2 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





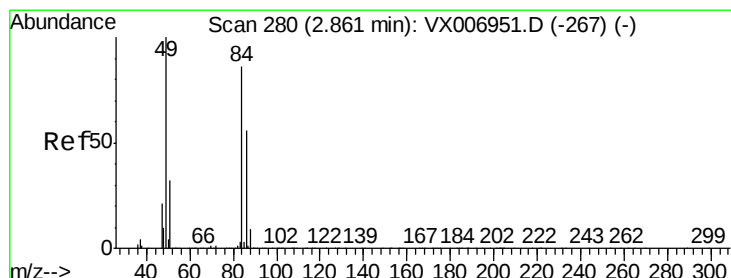
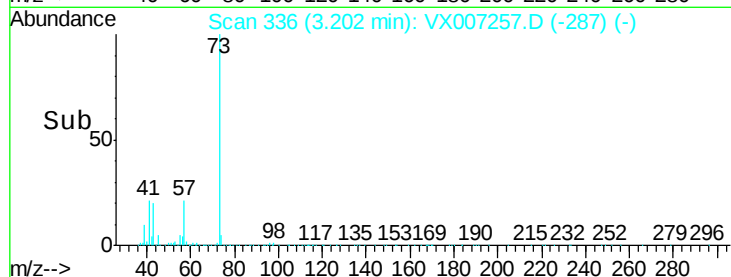
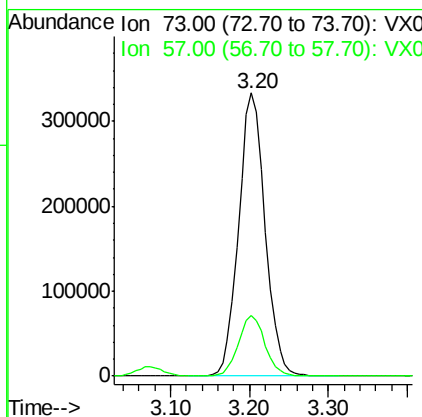
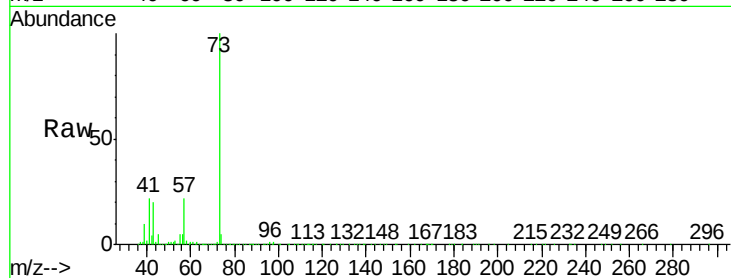
#19  
Methvl tert-butvl Ether  
Concen: 50.161 ug/l  
RT: 3.20 min Scan# 336  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 21.4  | 16.8  | 25.2  |

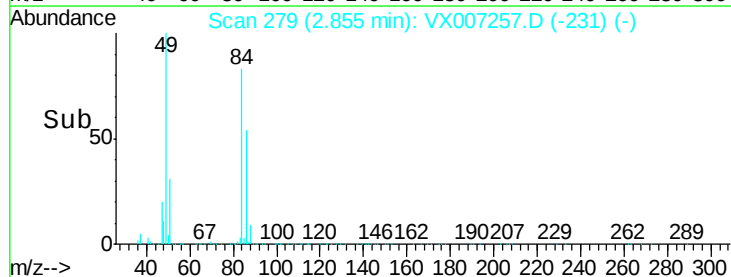
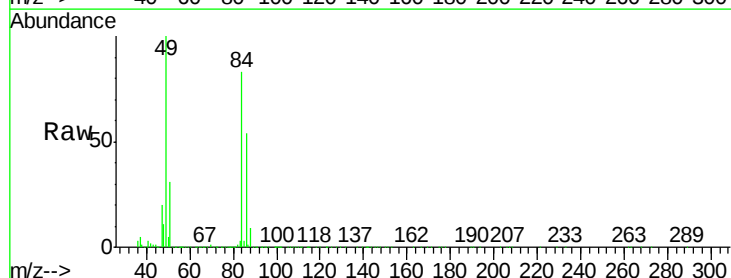
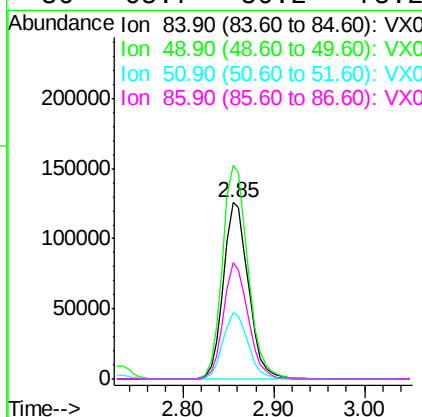
Manual Integrations  
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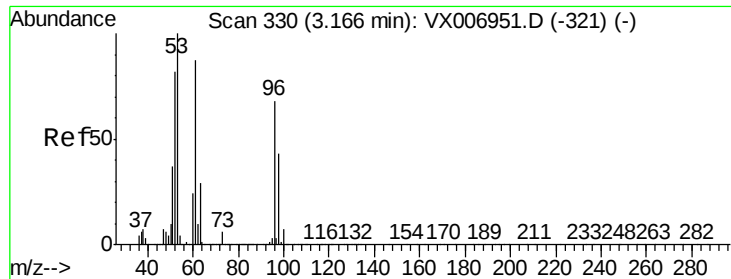
MMDadoda  
1/29/2019 9:51:14 AM



#20  
Methylene Chloride  
Concen: 50.902 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.01 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 121.0 | 91.8  | 137.6 |
| 51      | 37.8  | 28.5  | 42.7  |
| 86      | 65.7  | 50.2  | 75.2  |





#21

trans-1,2-Dichloroethene

Concen: 45.191 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

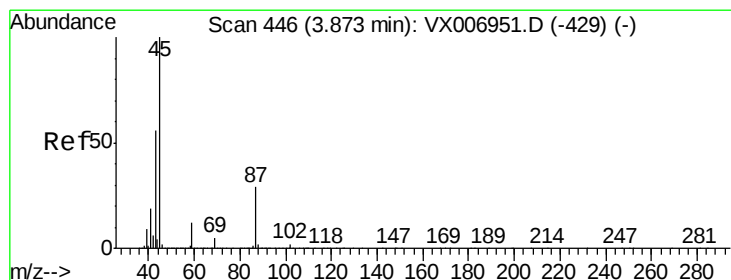
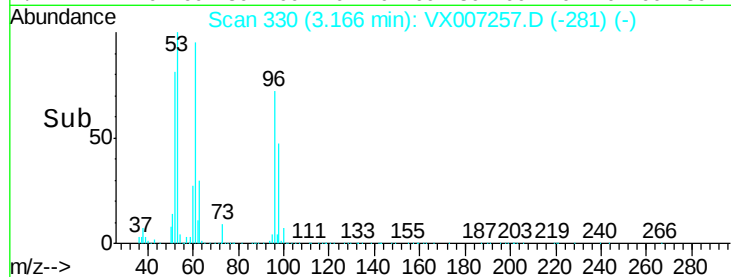
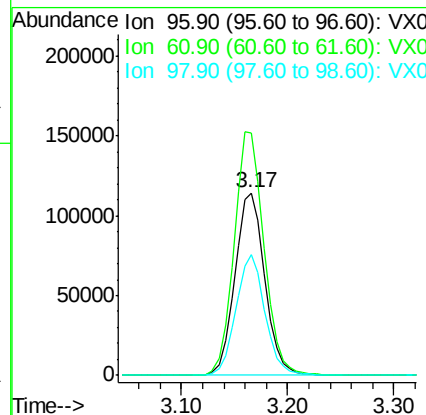
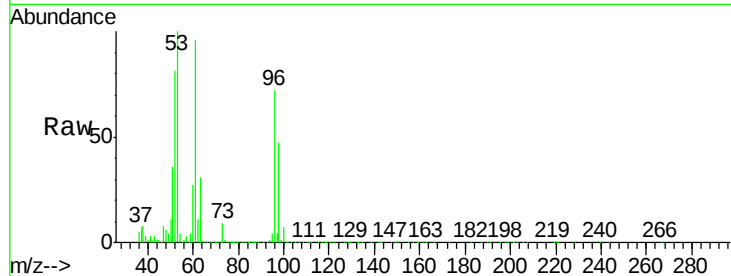
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 224559 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 132.8 | 103.7 | 155.5  |
| 98       | 65.8  | 51.0  | 76.6   |

Manual Integrations  
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MMDadoda  
1/29/2019 9:51:14 AM



#22

Diisopropyl ether

Concen: 50.617 ug/l

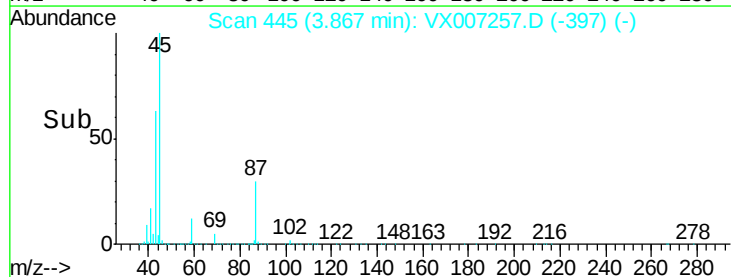
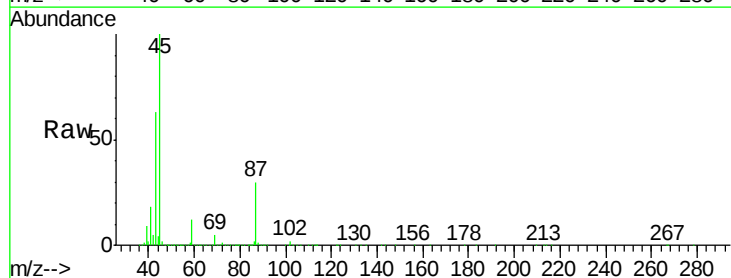
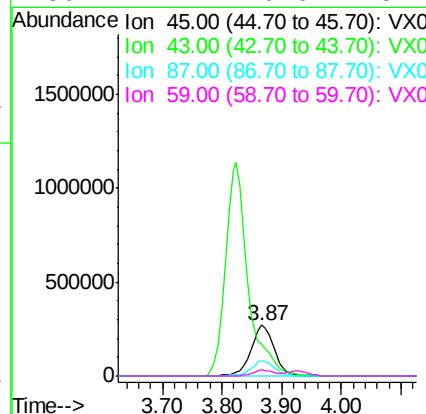
RT: 3.87 min Scan# 445

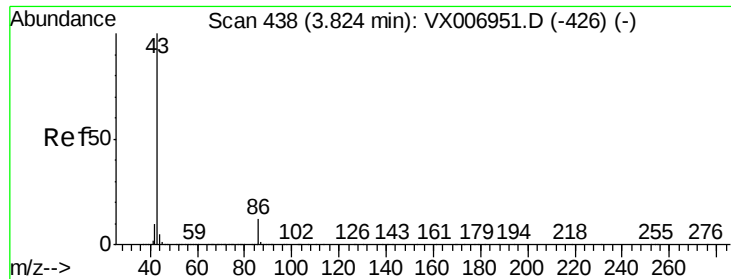
Delta R.T. -0.01 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 727190 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 62.6  | 51.2  | 76.8   |
| 87       | 29.6  | 25.8  | 38.6   |
| 59       | 11.7  | 9.0   | 13.4   |





#23

Vinyl Acetate

Concen: 245.546 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2974960

Ion Ratio Lower Upper

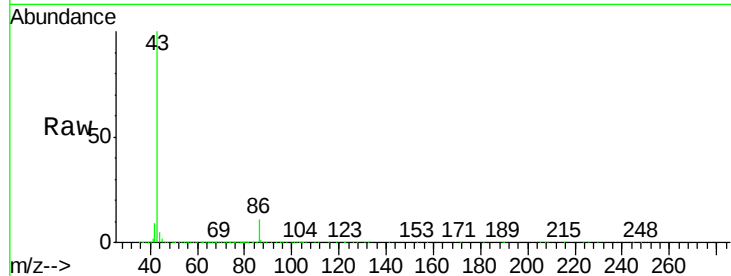
43 100

86 11.3 9.2 13.8

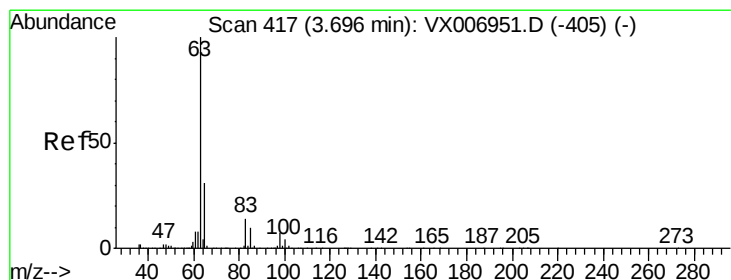
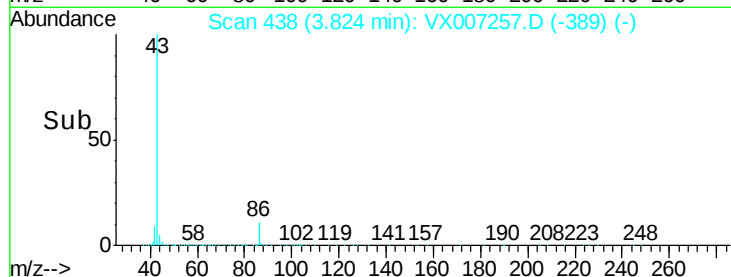
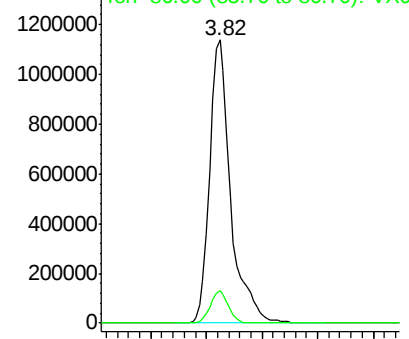
Manual Integrations  
APPROVED

MMDadoda

1/29/2019 9:51:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VX006951.D (-426) (-)



#24

1,1-Dichloroethane

Concen: 52.329 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

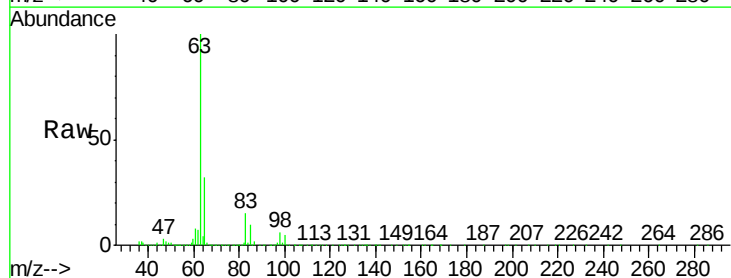
Tgt Ion: 63 Resp: 420378

Ion Ratio Lower Upper

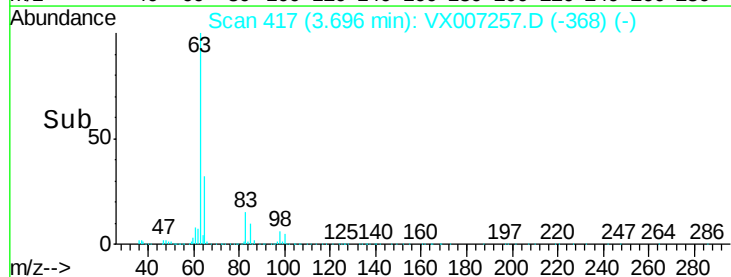
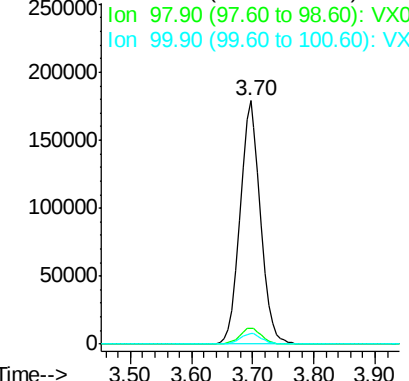
63 100

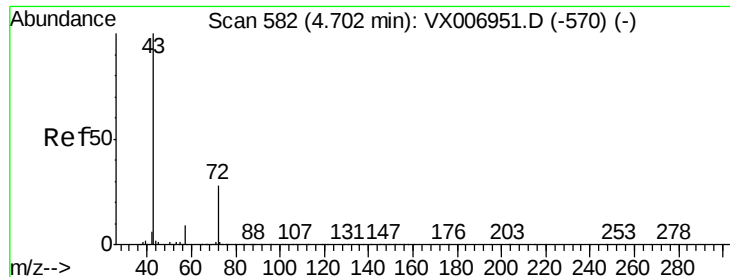
98 6.4 3.9 11.5

100 4.6 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX006951.D (-405) (-)





#25

2-Butanone

Concen: 243.338 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Tot Ion: 43 Resp: 872758

Ion Ratio Lower Upper

43 100

72 27.6 22.4 33.6

Instrument :

MSVOA\_X

ClientSampleId :

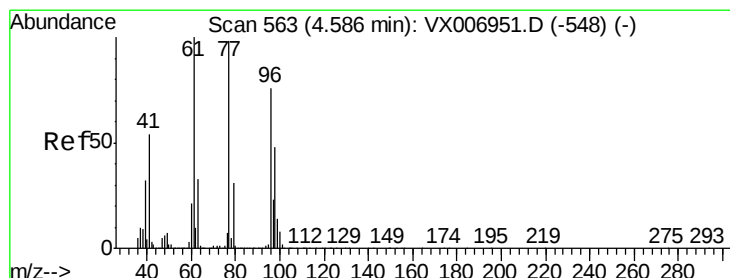
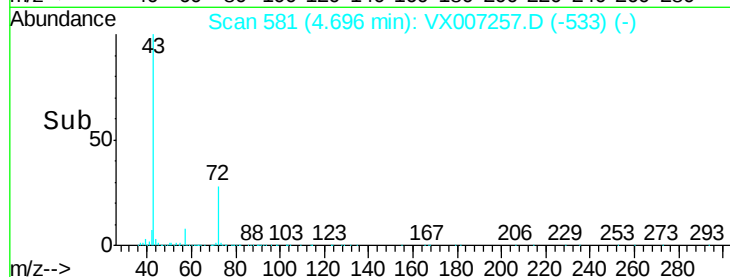
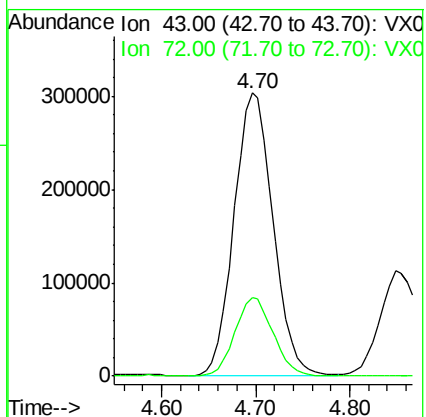
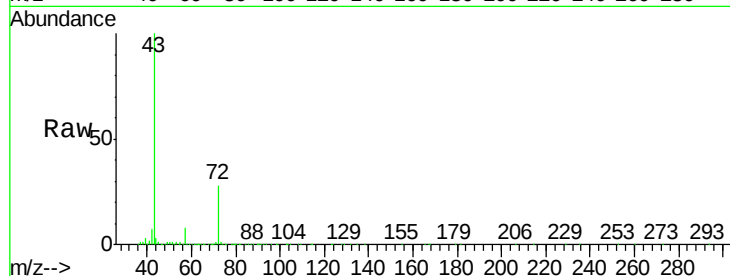
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

1/29/2019 9:51:14 AM



#26

2,2-Dichloropropane

Concen: 51.064 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007257.D

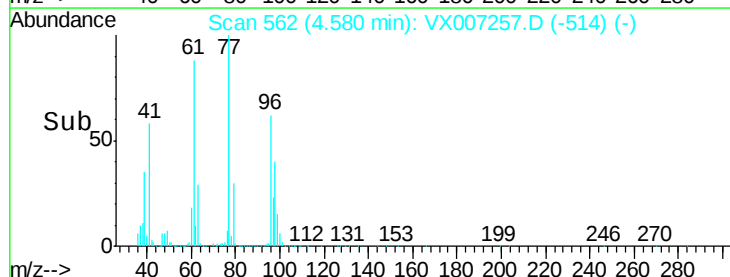
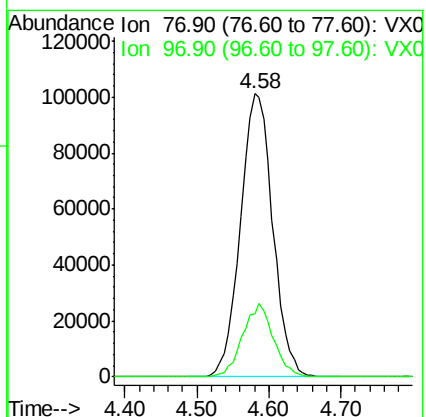
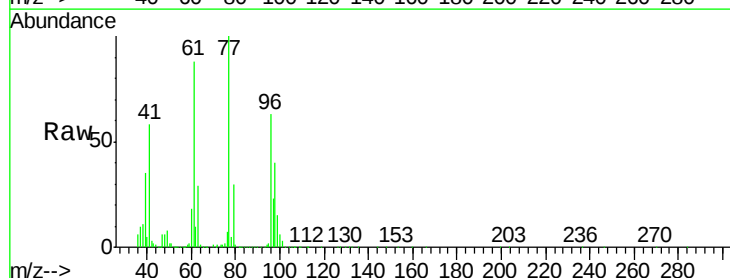
Acq: 28 Jan 2019 13:31

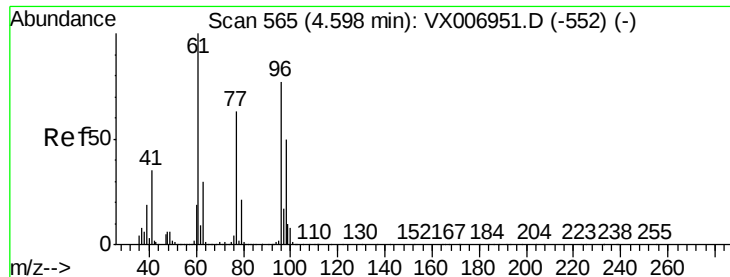
Tgt Ion: 77 Resp: 315441

Ion Ratio Lower Upper

77 100

97 24.7 12.4 37.4





#27

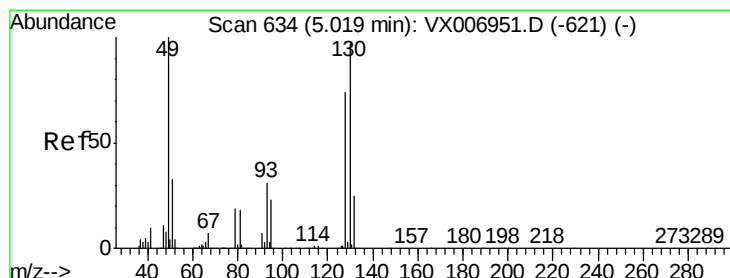
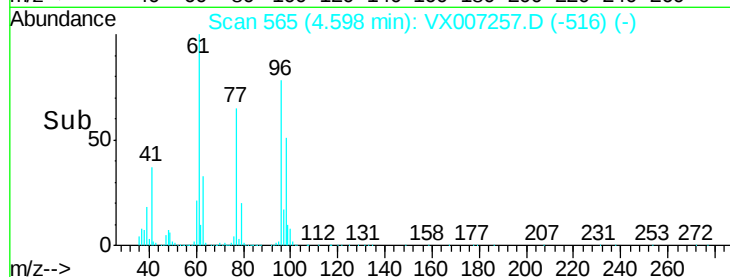
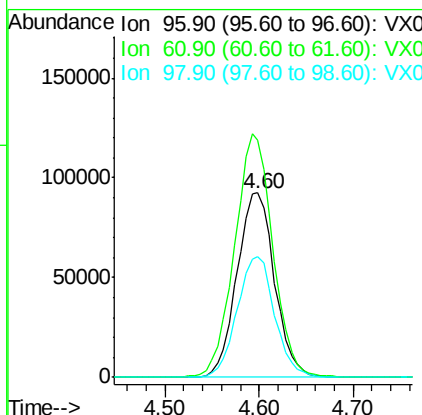
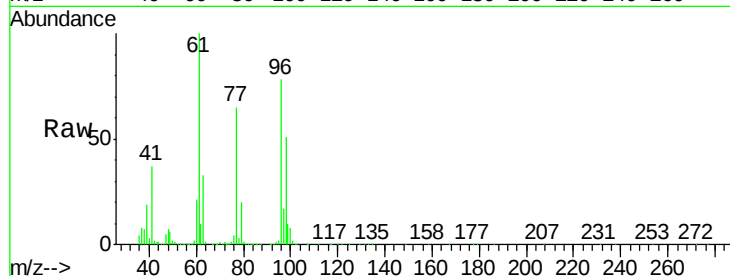
cis-1,2-Dichloroethene  
 Concen: 47.078 ug/l  
 RT: 4.60 min Scan# 565  
 Delta R.T. 0.00 min  
 Lab File: VX007257.D  
 Acq: 28 Jan 2019 13:31

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 133.9 | 0.0   | 258.6 |
| 98      | 65.5  | 0.0   | 132.0 |

Manual Integrations  
 APPROVED

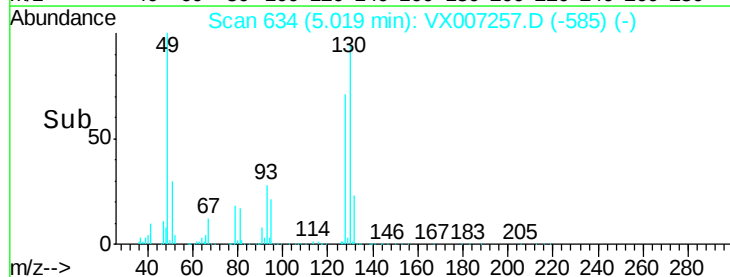
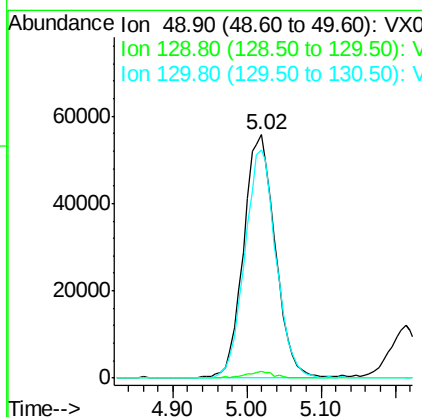
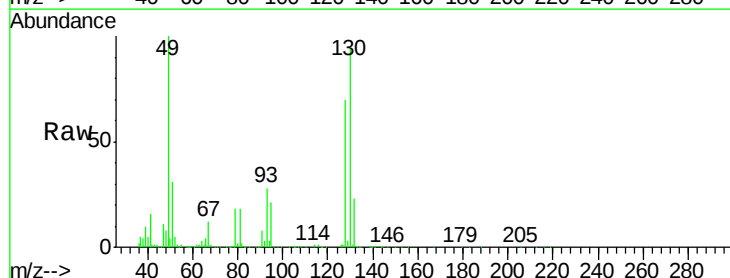
MMDadoda  
 1/29/2019 9:51:14 AM

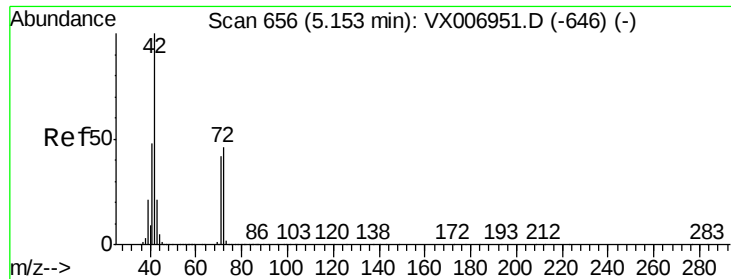


#28

Bromochloromethane  
 Concen: 47.117 ug/l  
 RT: 5.02 min Scan# 634  
 Delta R.T. 0.00 min  
 Lab File: VX007257.D  
 Acq: 28 Jan 2019 13:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.5   | 0.0   | 5.4   |
| 130     | 92.8  | 77.7  | 116.5 |





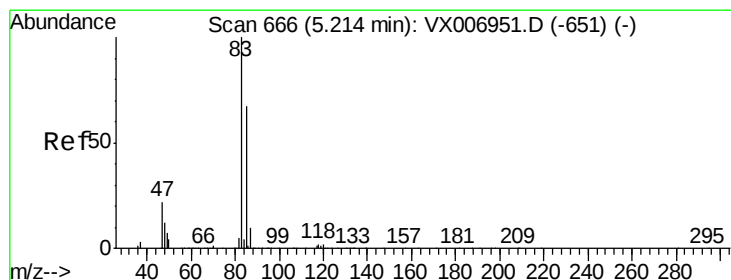
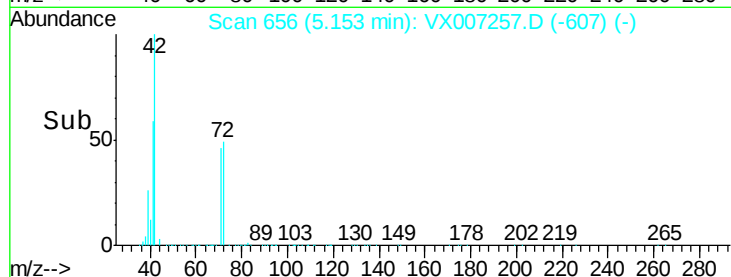
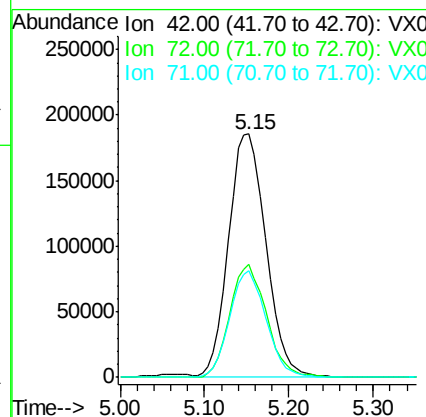
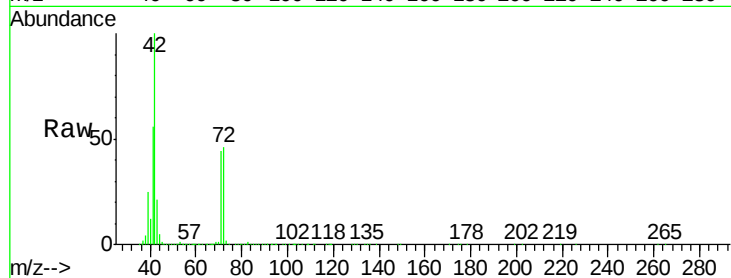
#29  
Tetrahydrofuran  
Concen: 240.520 ug/l  
RT: 5.15 min Scan# 656  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 42      | 100   |            |       |
| 72      | 45.8  | 38.9       | 58.3  |
| 71      | 42.7  | 36.2       | 54.4  |

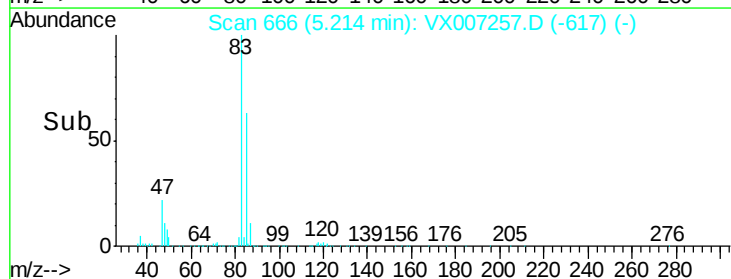
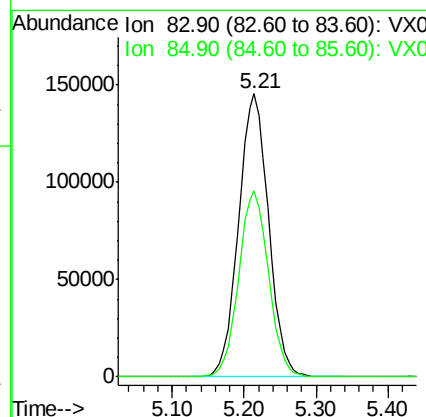
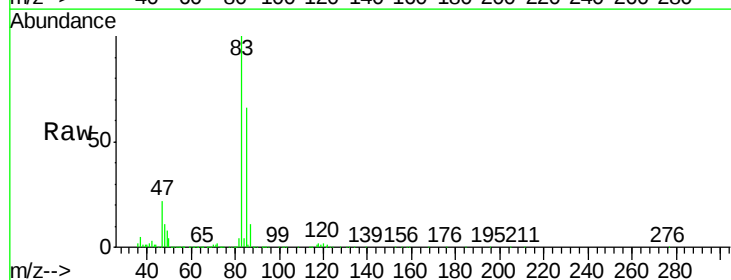
Manual Integrations  
APPROVED

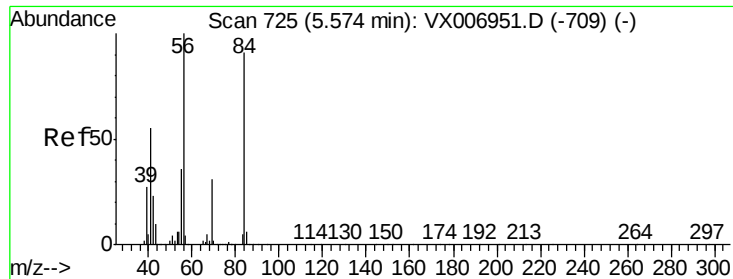
MMDadoda  
1/29/2019 9:51:14 AM



#30  
Chloroform  
Concen: 50.129 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 83      | 100   |            |       |
| 85      | 65.9  | 51.2       | 76.8  |





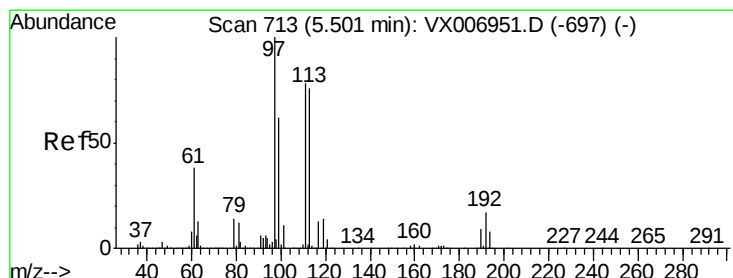
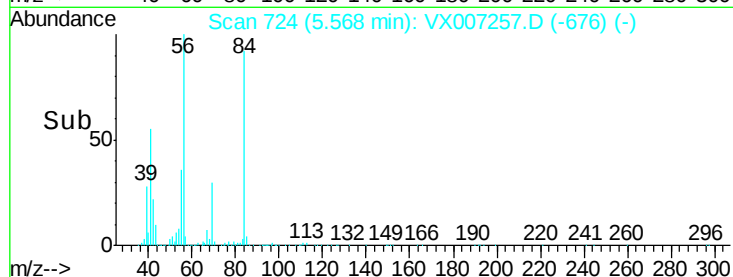
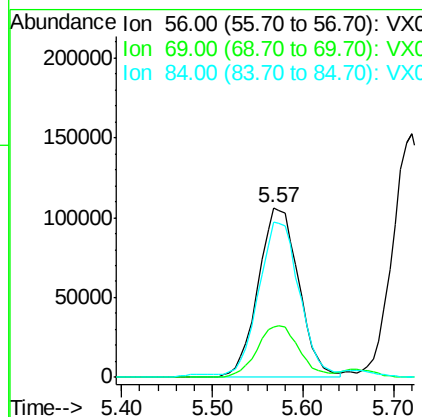
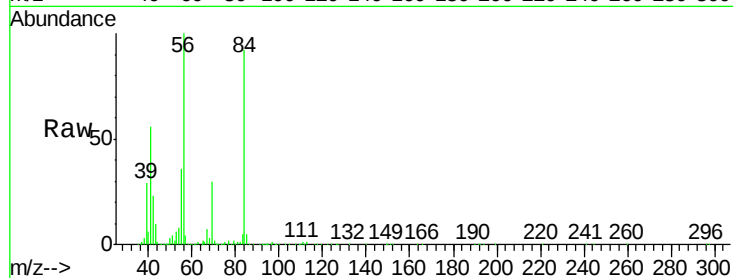
#31  
Cyclohexane  
Concen: 45.896 ug/l  
RT: 5.57 min Scan# 724  
Delta R.T. -0.01 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 29.8  | 24.4  | 36.6  |
| 84      | 90.2  | 70.0  | 105.0 |

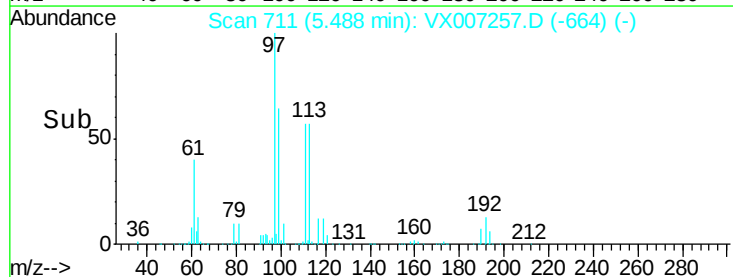
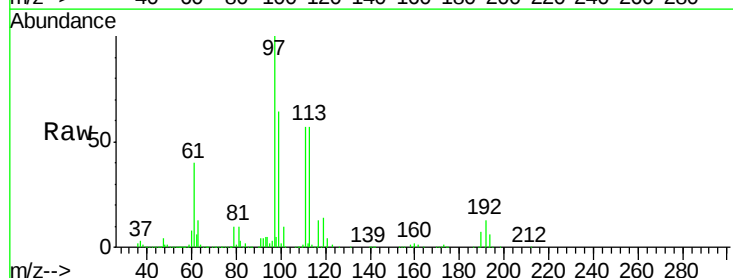
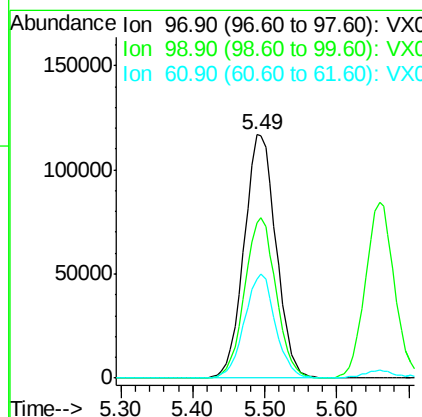
Manual Integrations  
APPROVED

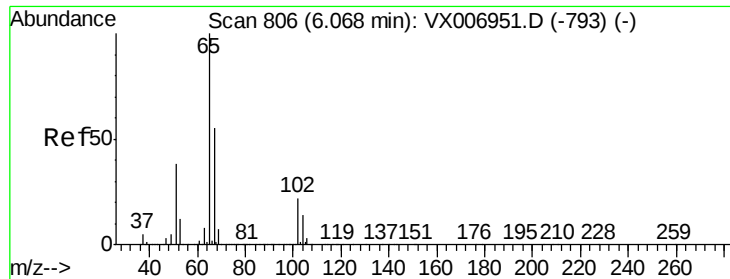
MMDadoda  
1/29/2019 9:51:14 AM



#32  
1,1,1-Trichloroethane  
Concen: 50.451 ug/l  
RT: 5.49 min Scan# 711  
Delta R.T. -0.01 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.8  | 51.7  | 77.5  |
| 61      | 41.1  | 31.3  | 46.9  |





#33

1,2-Dichloroethane-d4

Concen: 49.698 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Tot Ion: 65 Resp: 251988

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.0

Instrument :

MSVOA\_X

ClientSampleId :

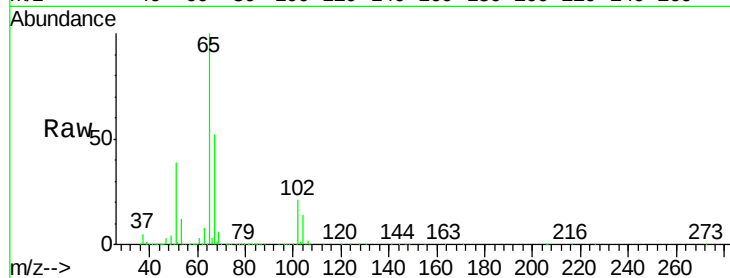
VSTDCCC050

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

100000

80000

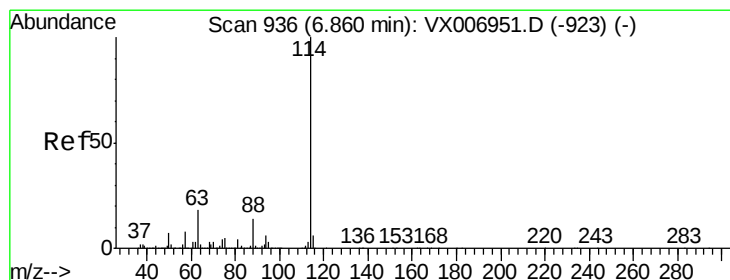
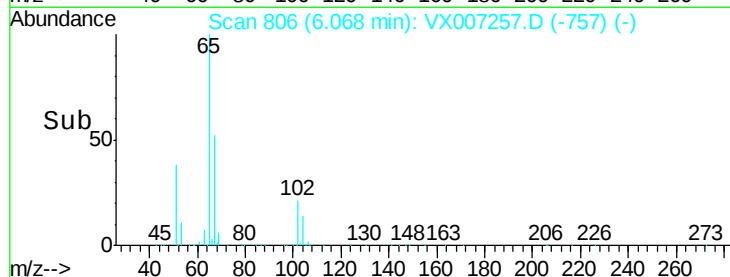
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

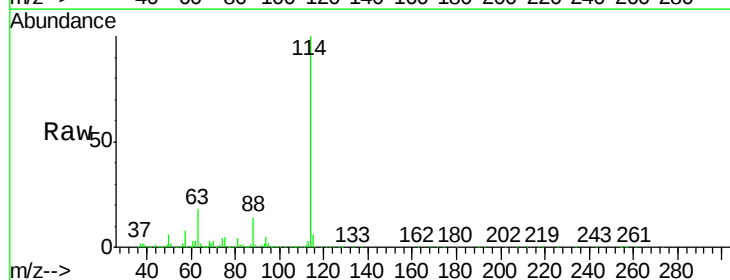
Tgt Ion: 114 Resp: 687057

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.8

88 14.5 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

400000

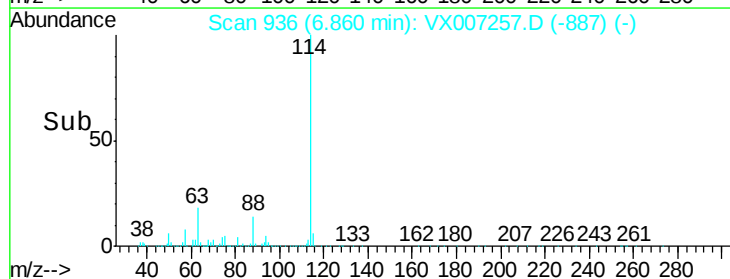
300000

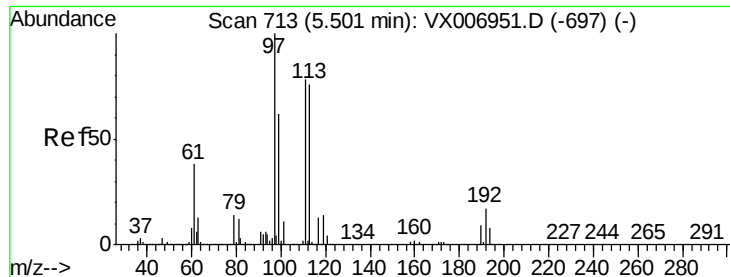
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 52.500 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

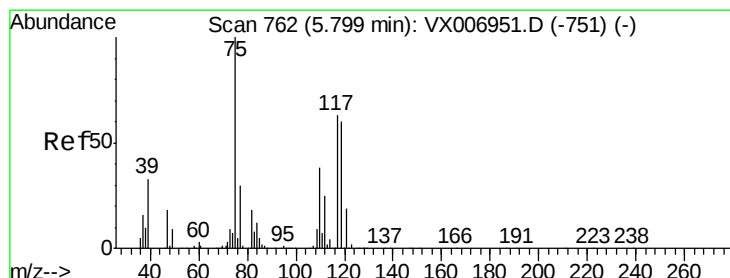
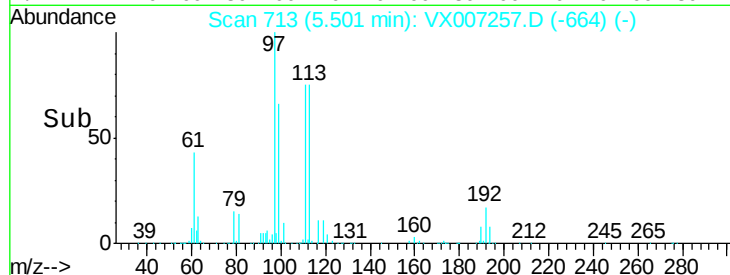
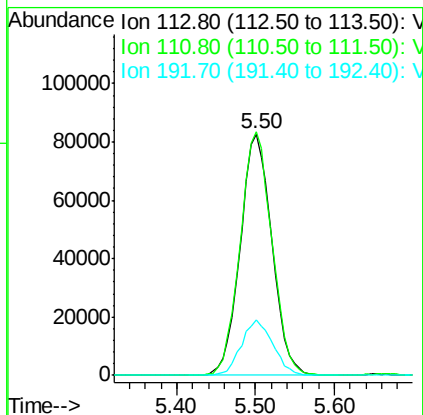
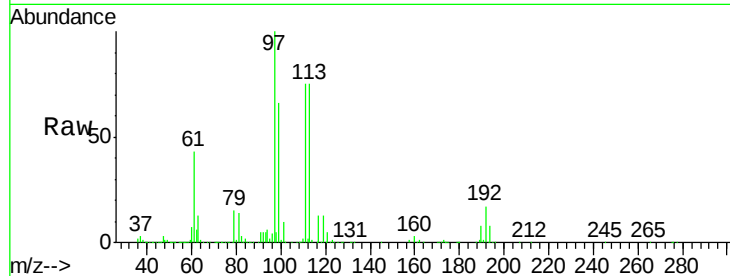
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 230993 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 101.4 | 81.6  | 122.4  |
| 192       | 22.9  | 16.7  | 25.1   |

Manual Integrations  
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MMDadoda  
1/29/2019 9:51:14 AM



#36

1,1-Dichloropropene

Concen: 49.662 ug/l

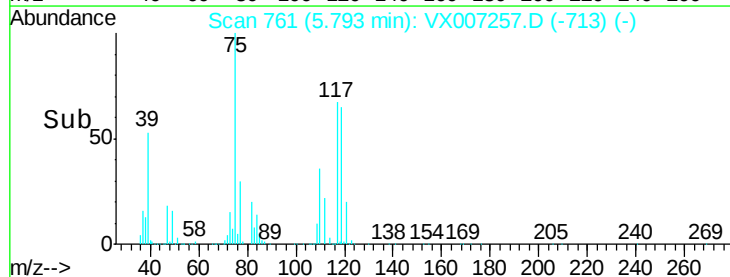
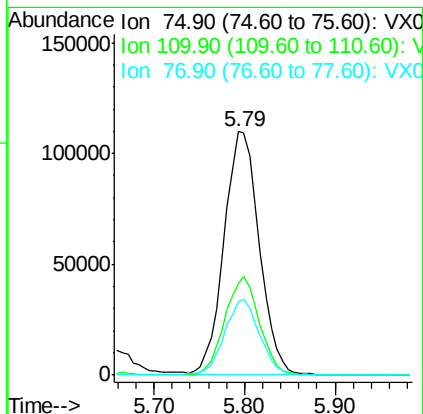
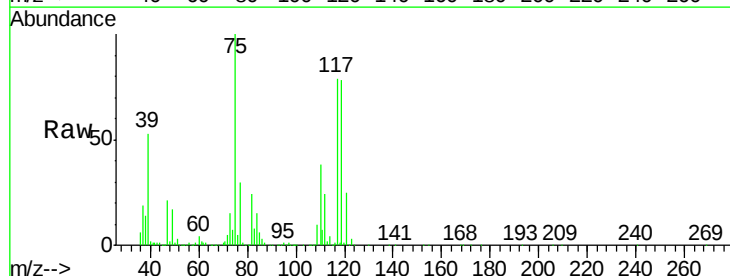
RT: 5.79 min Scan# 761

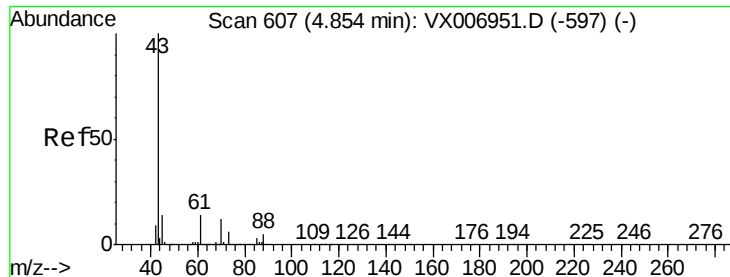
Delta R.T. -0.01 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 296649 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 39.9  | 20.2  | 60.5   |
| 77        | 30.6  | 24.8  | 37.2   |





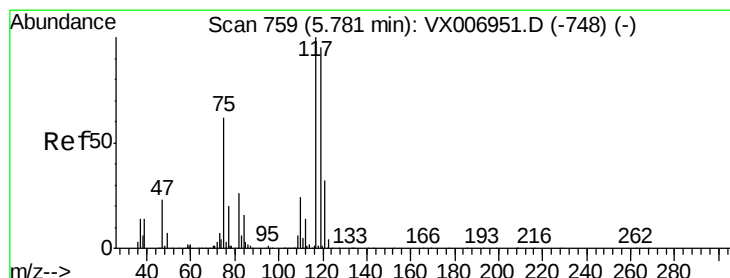
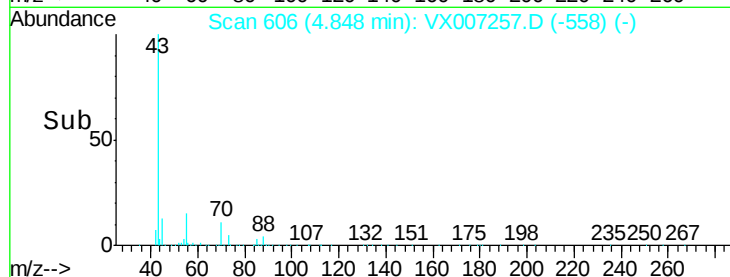
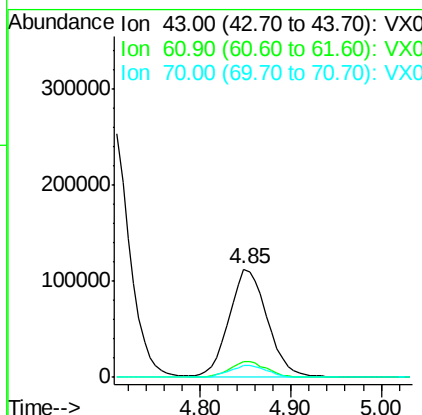
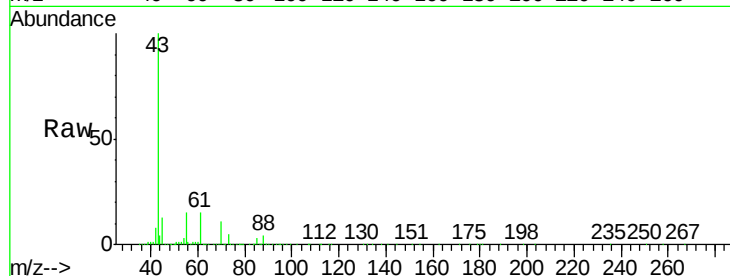
#37  
Ethyl Acetate  
Concen: 51.002 ug/l  
RT: 4.85 min Scan# 606  
Delta R.T. -0.01 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 326621 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 14.1  | 11.9  | 17.9   |
| 70       | 10.6  | 9.7   | 14.5   |

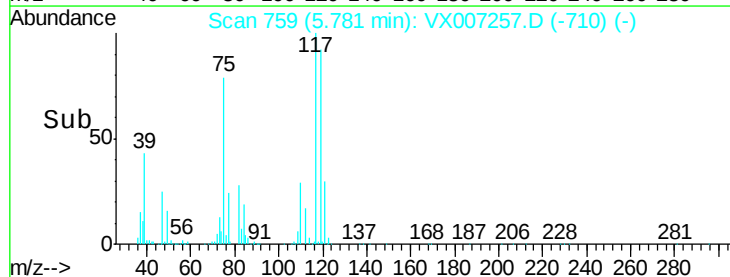
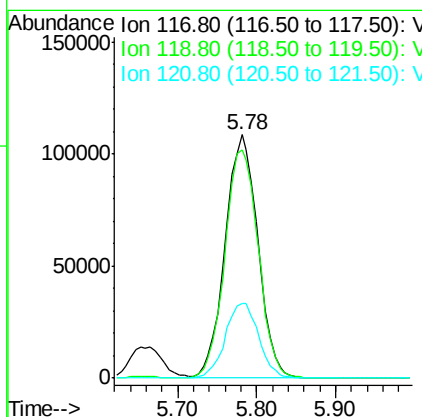
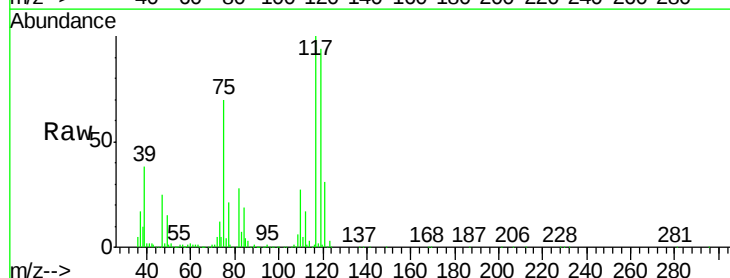
Manual Integrations  
APPROVED

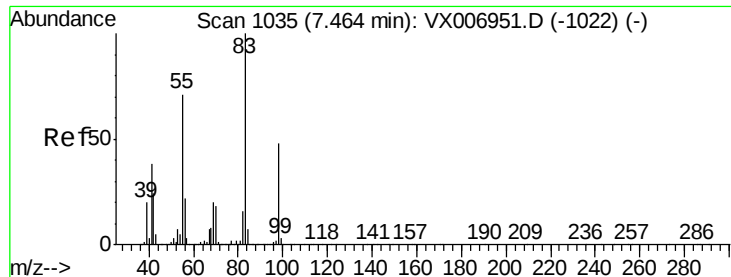
MMDadoda  
1/29/2019 9:51:14 AM



#38  
Carbon Tetrachloride  
Concen: 52.019 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 312629 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 93.5  | 79.4  | 119.2  |
| 121      | 30.6  | 24.0  | 36.0   |





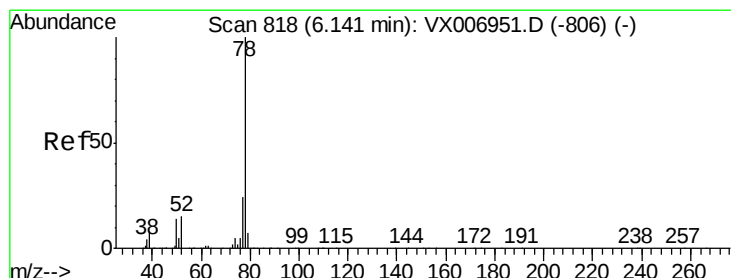
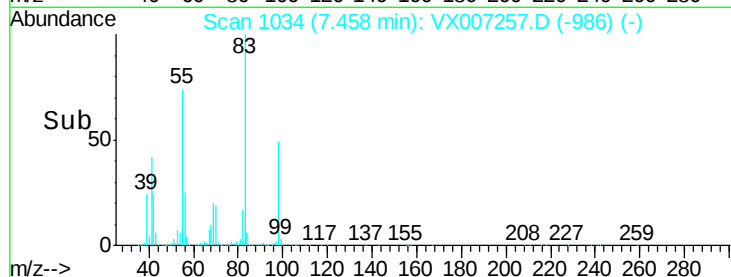
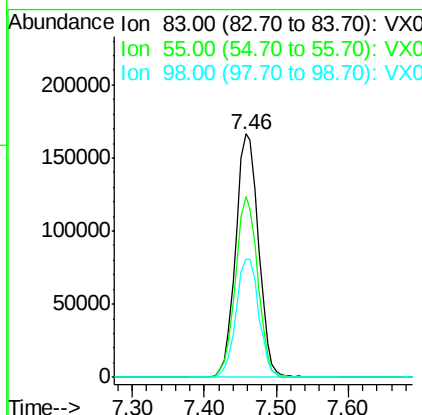
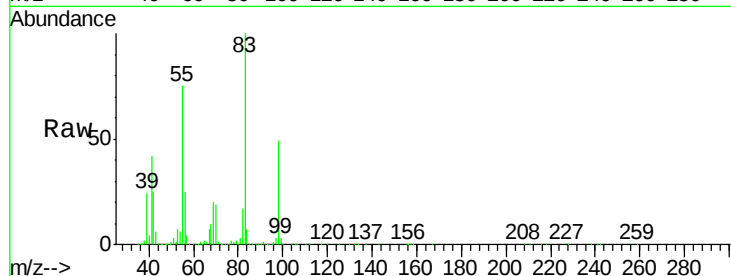
#39  
Methvlcvclohexane  
Concen: 48.306 ug/l  
RT: 7.46 min Scan# 1034  
Delta R.T. -0.01 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 74.5  | 54.9  | 82.3  |
| 98      | 48.8  | 37.9  | 56.9  |

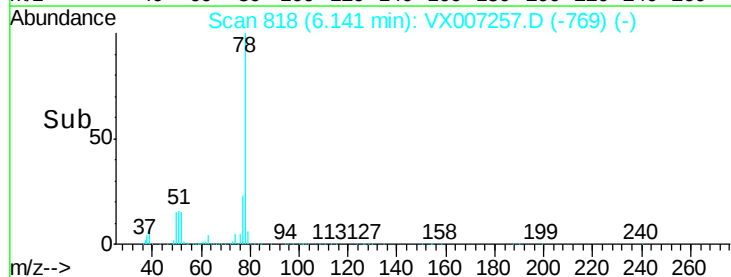
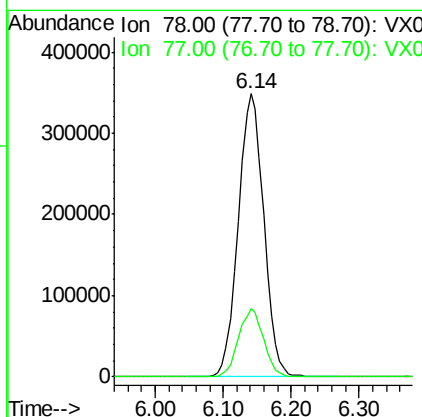
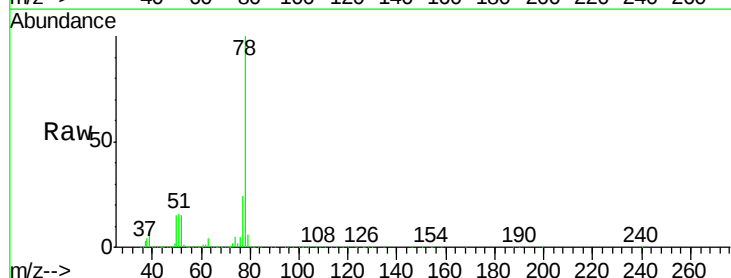
Manual Integrations  
APPROVED

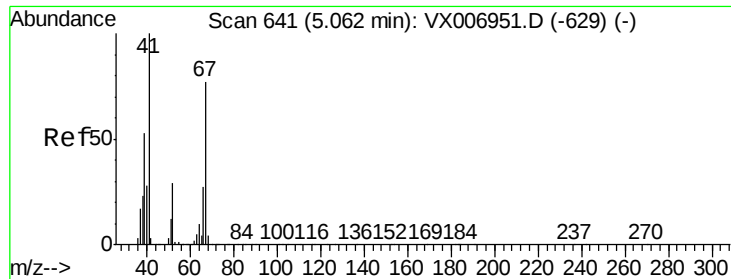
MMDadoda  
1/29/2019 9:51:14 AM



#40  
Benzene  
Concen: 49.779 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.9  | 19.2  | 28.8  |





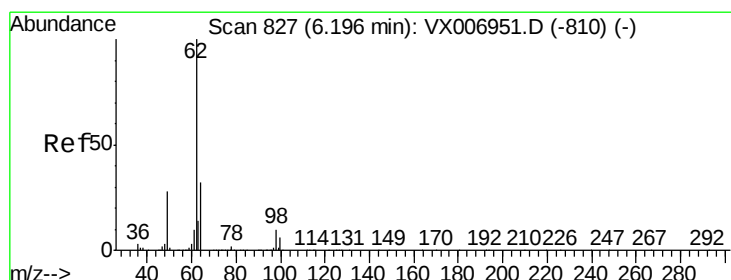
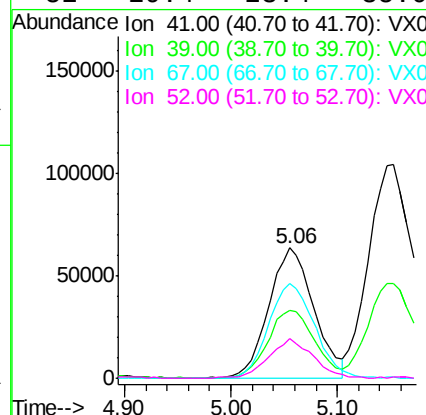
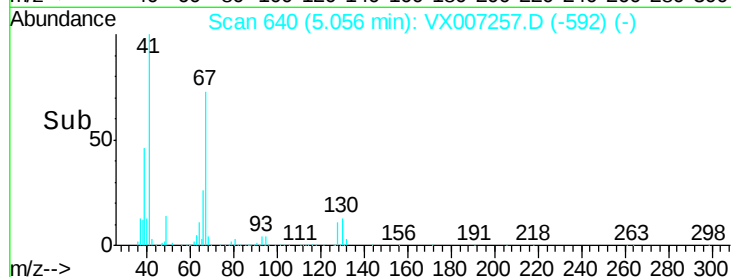
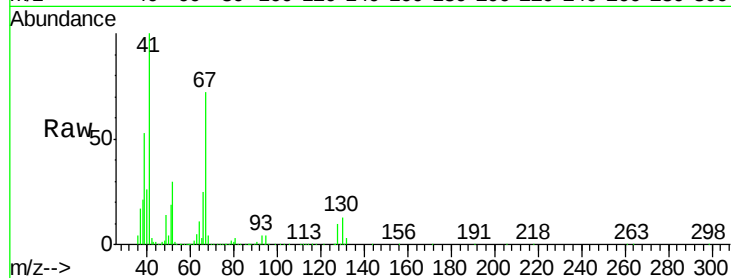
#41  
Methacrylonitrile  
Concen: 50.431 ug/l  
RT: 5.06 min Scan# 640  
Delta R.T. -0.01 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 53.9 | 42.8  | 64.2  |       |
| 67      | 74.5 | 62.1  | 93.1  |       |
| 52      | 29.4 | 23.4  | 35.0  |       |

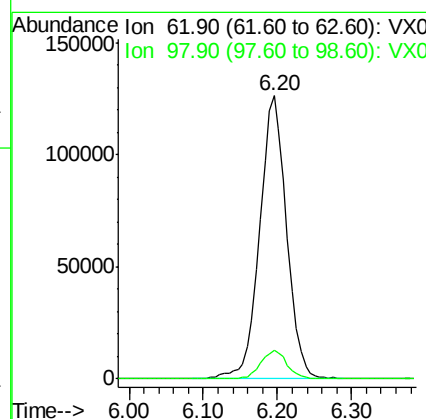
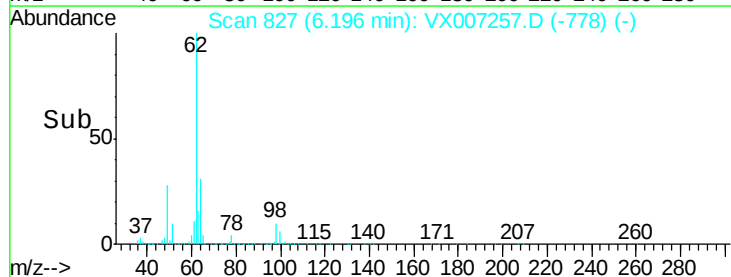
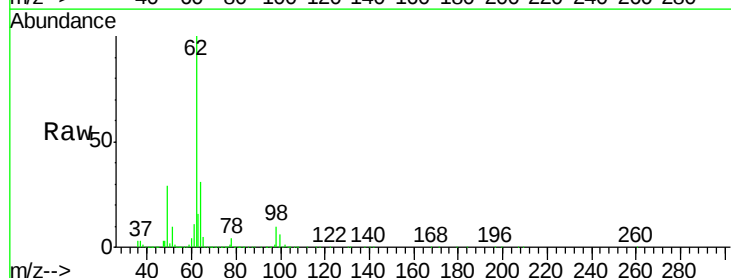
Manual Integrations  
APPROVED

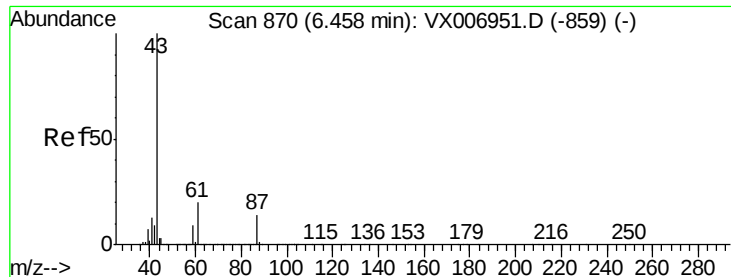
MMDadoda  
1/29/2019 9:51:14 AM



#42  
1,2-Dichloroethane  
Concen: 50.640 ug/l  
RT: 6.20 min Scan# 827  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 9.8 | 0.0   | 20.2  |       |





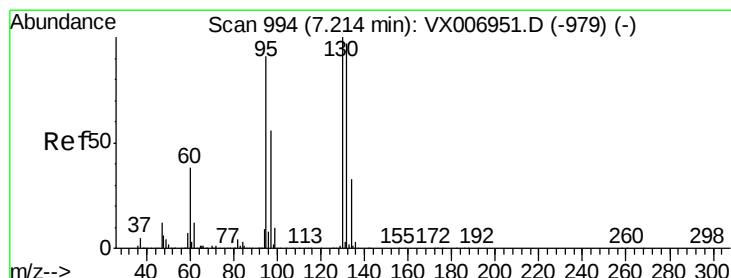
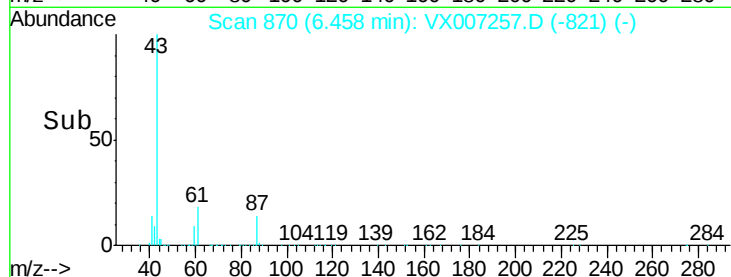
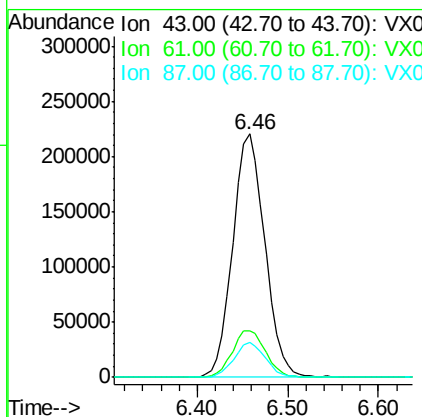
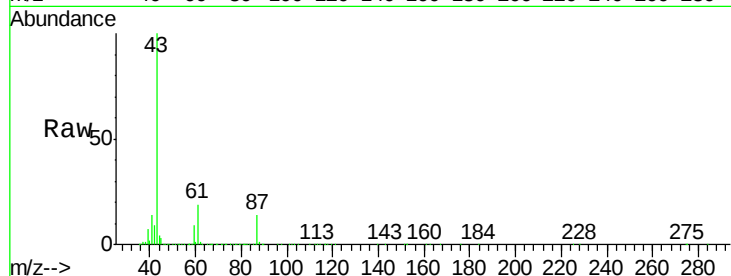
#43  
Isopropyl Acetate  
Concen: 53.598 ug/l  
RT: 6.46 min Scan# 870  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 20.0  | 16.8  | 25.2  |
| 87      | 14.0  | 12.4  | 18.6  |

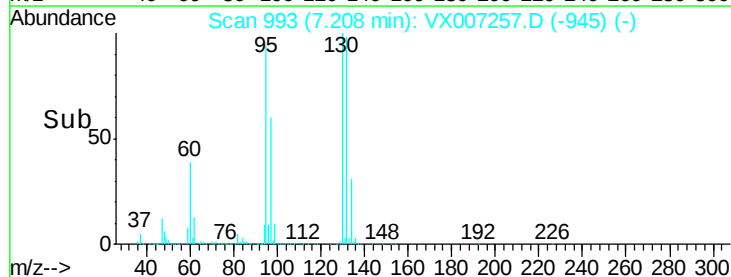
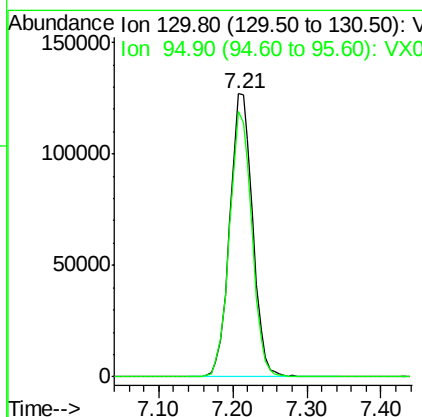
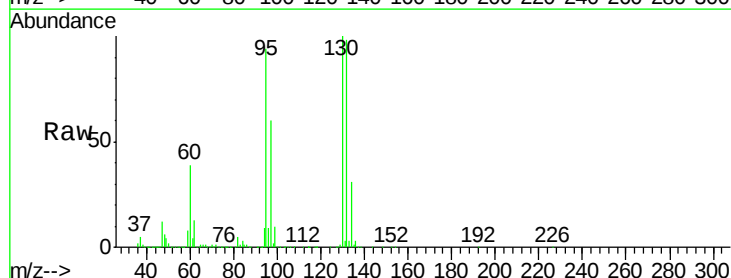
Manual Integrations  
APPROVED

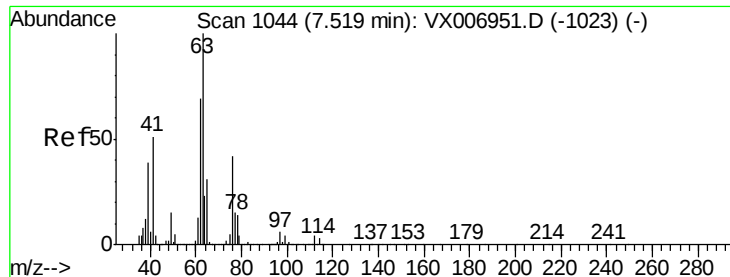
MMDadoda  
1/29/2019 9:51:14 AM



#44  
Trichloroethene  
Concen: 50.209 ug/l  
RT: 7.21 min Scan# 993  
Delta R.T. -0.01 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 93.8  | 0.0   | 187.0 |





#45

1,2-Dichloropropane

Concen: 52.527 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 240693

Ion Ratio Lower Upper

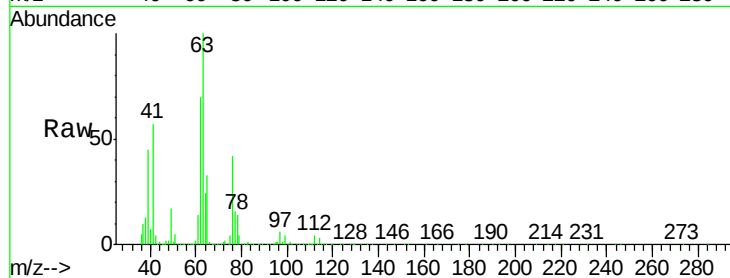
63 100

65 33.0 25.4 38.0

Manual Integrations  
APPROVED

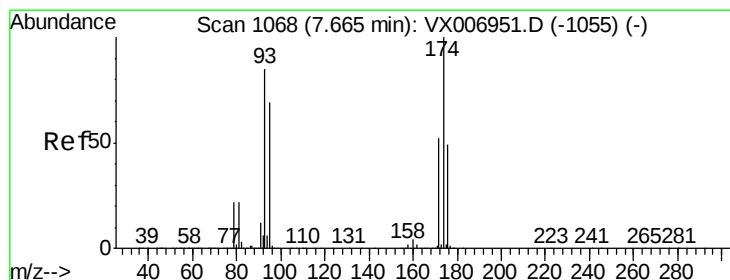
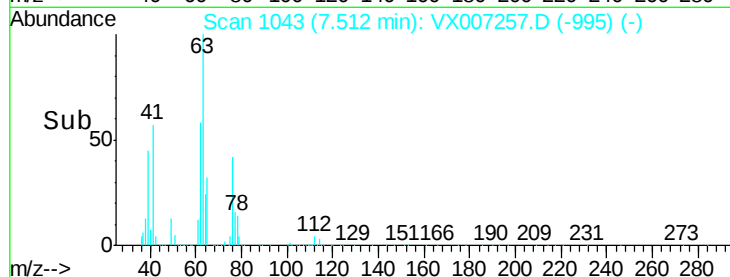
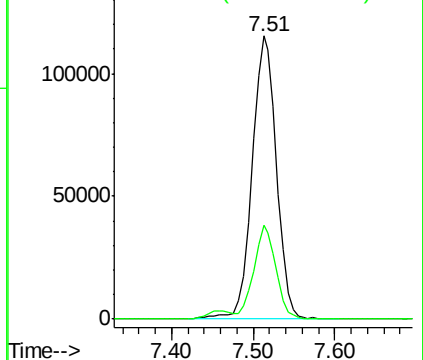
MMDadoda

1/29/2019 9:51:14 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 52.288 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

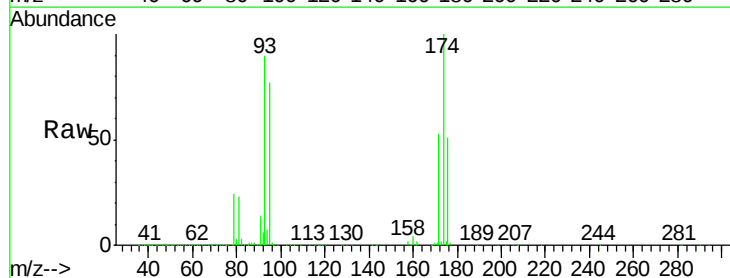
Tgt Ion: 93 Resp: 168390

Ion Ratio Lower Upper

93 100

95 83.5 66.2 99.4

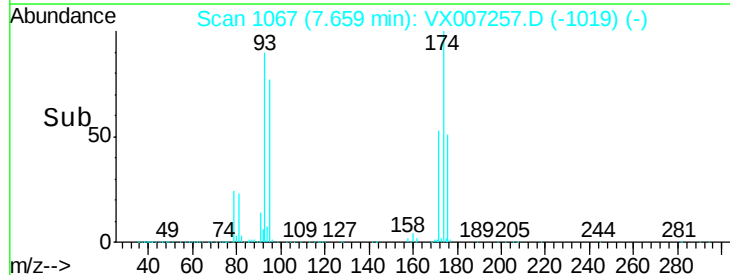
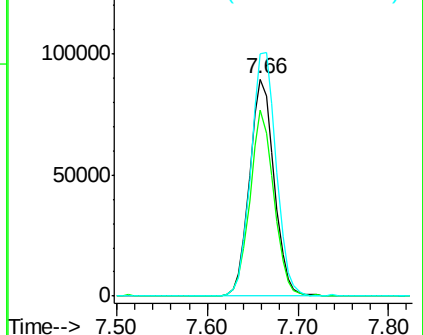
174 115.8 91.0 136.4

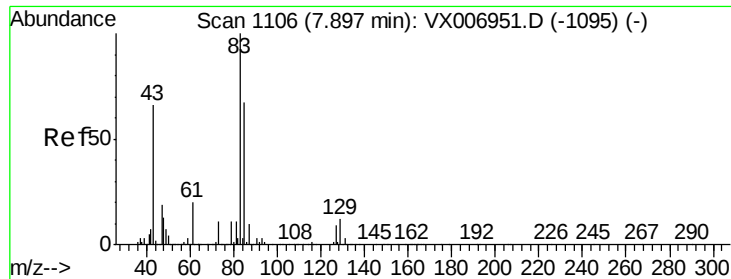


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





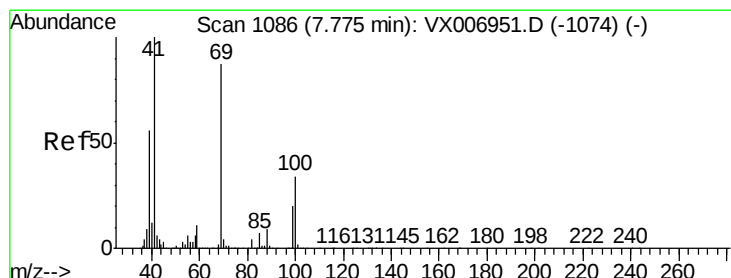
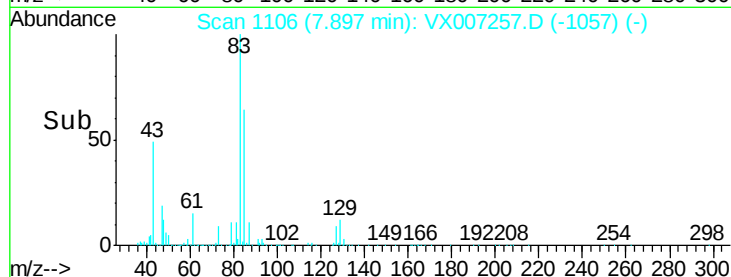
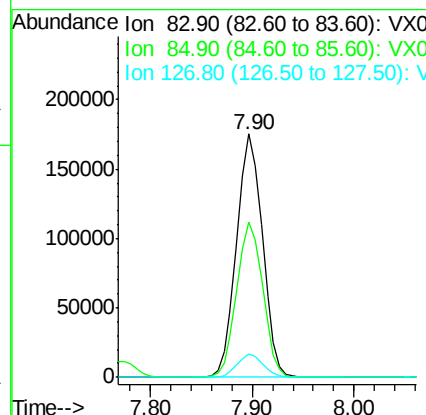
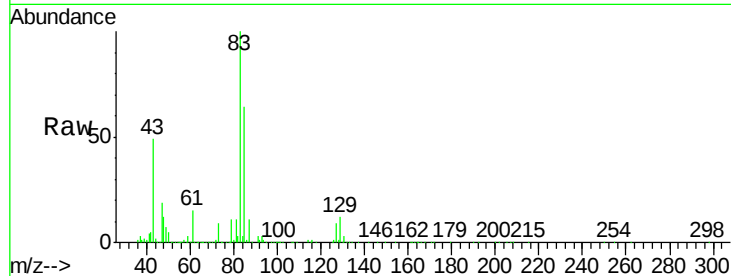
#47  
Bromodichloromethane  
Concen: 56.296 ug/l  
RT: 7.90 min Scan# 1106  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 308592 |       |       |
| 85      | 63.5  | 53.2   | 79.8  |       |
| 127     | 9.3   | 7.8    | 11.6  |       |

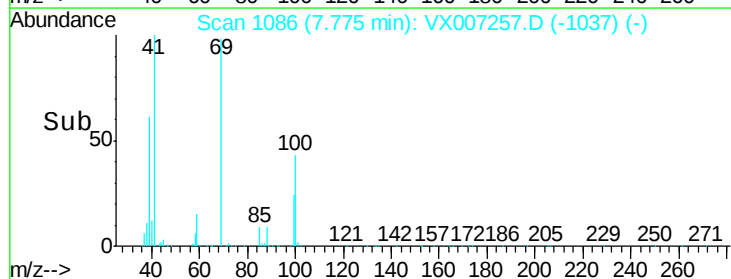
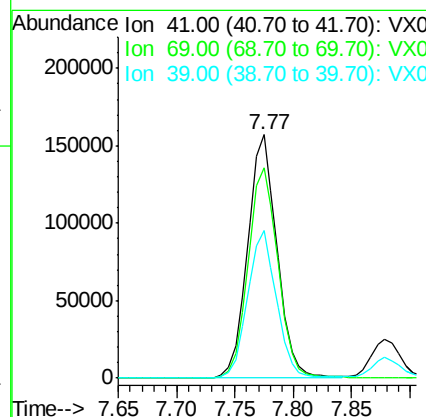
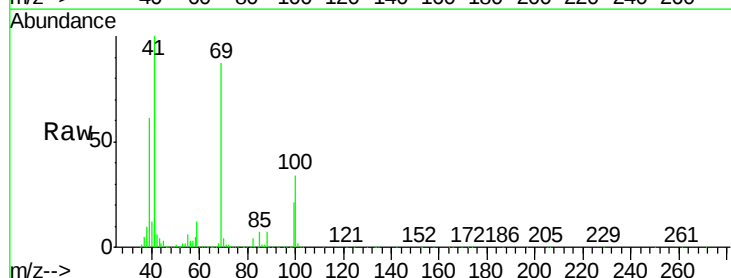
Manual Integrations  
APPROVED

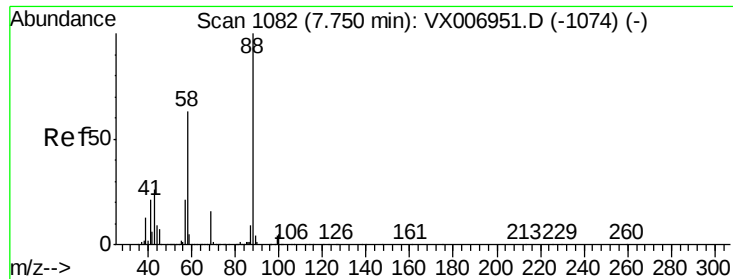
MMDadoda  
1/29/2019 9:51:14 AM



#48  
Methyl methacrylate  
Concen: 53.088 ug/l  
RT: 7.77 min Scan# 1086  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 41      | 100   | 275393 |       |       |
| 69      | 88.7  | 72.4   | 108.6 |       |
| 39      | 59.7  | 45.8   | 68.8  |       |





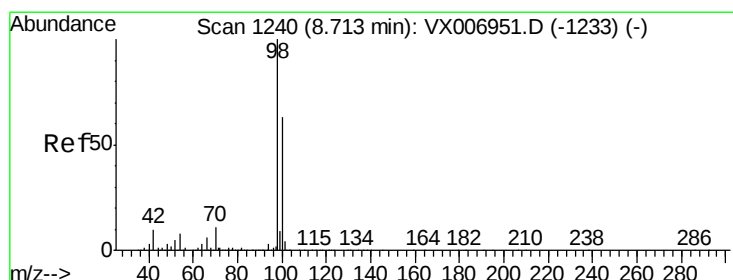
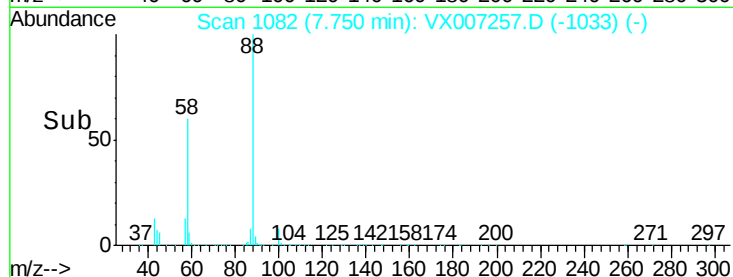
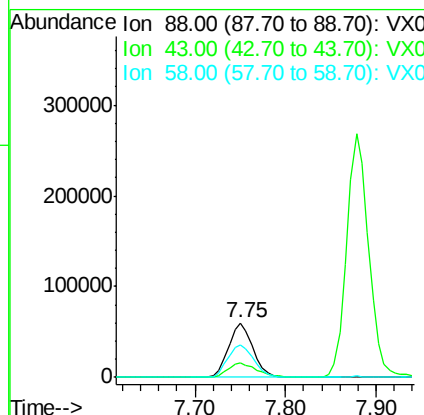
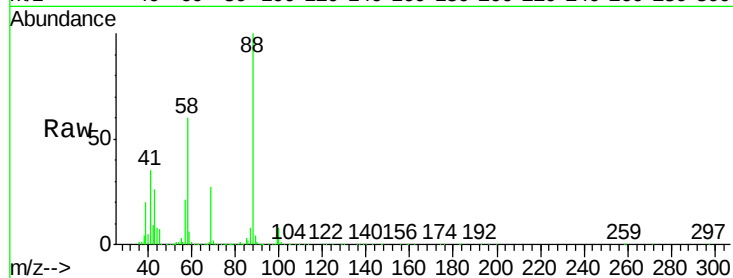
#49  
1,4-Dioxane  
Concen: 962.380 ug/l  
RT: 7.75 min Scan# 1082  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 29.5  | 22.2  | 33.4  |
| 58      | 62.9  | 51.0  | 76.4  |

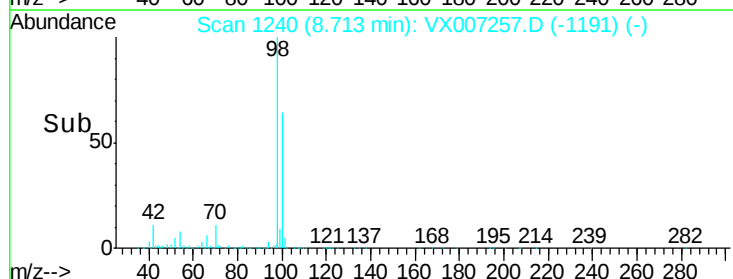
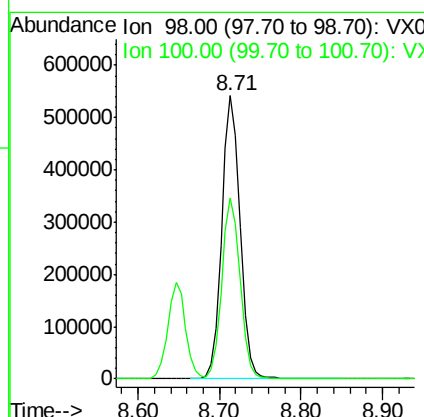
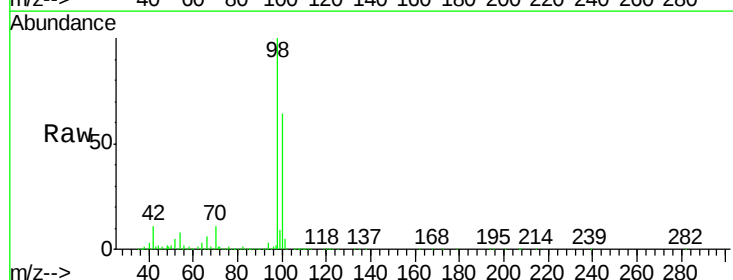
Manual Integrations  
APPROVED

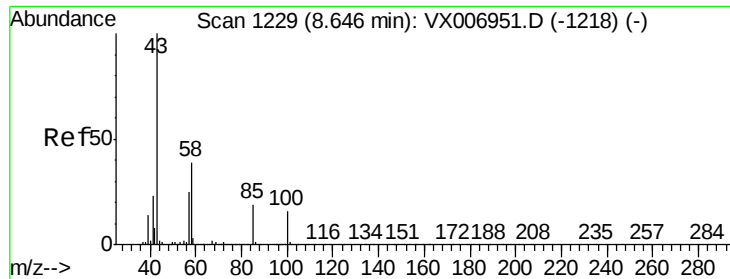
MMDadoda  
1/29/2019 9:51:14 AM



#50  
Toluene-d8  
Concen: 52.724 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.0  | 52.0  | 78.0  |





#51

4-Methyl-2-Pentanone

Concen: 271.507 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1762575

Ion Ratio Lower Upper

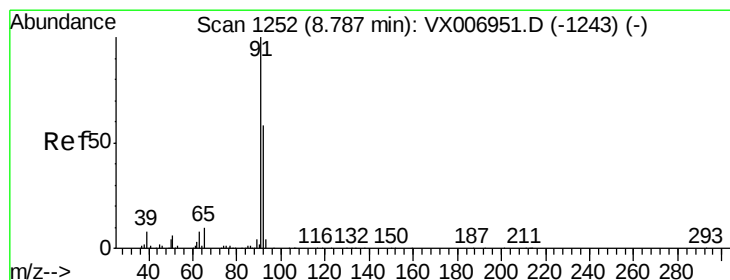
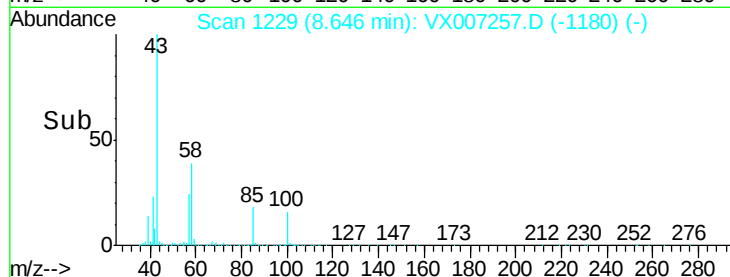
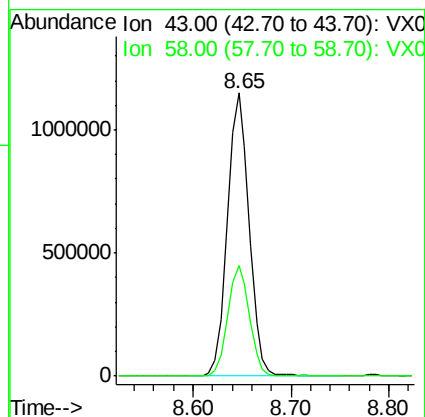
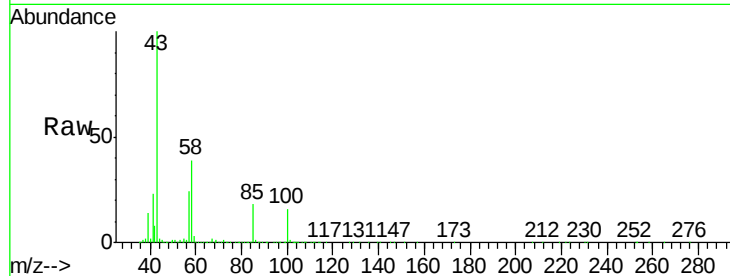
43 100

58 39.0 31.8 47.6

Manual Integrations  
APPROVED

MMDadoda

1/29/2019 9:51:14 AM



#52

Toluene

Concen: 51.863 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007257.D

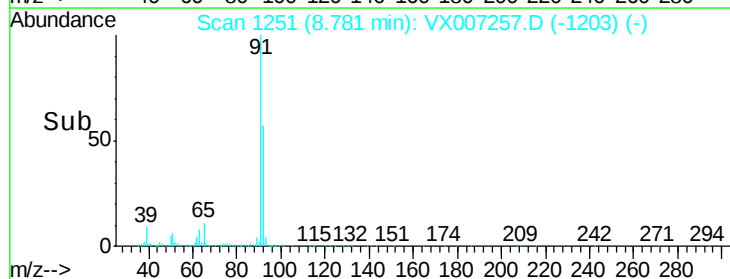
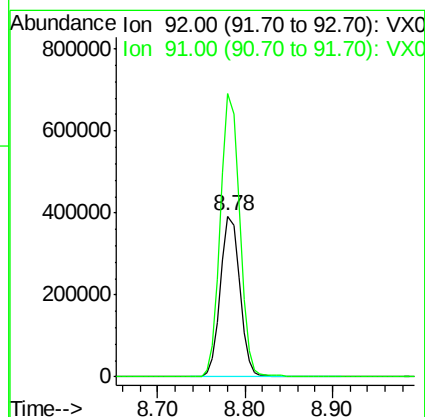
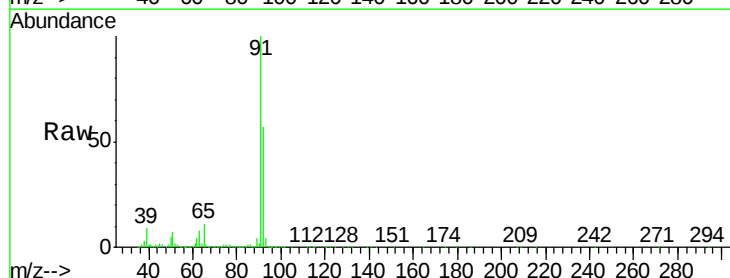
Acq: 28 Jan 2019 13:31

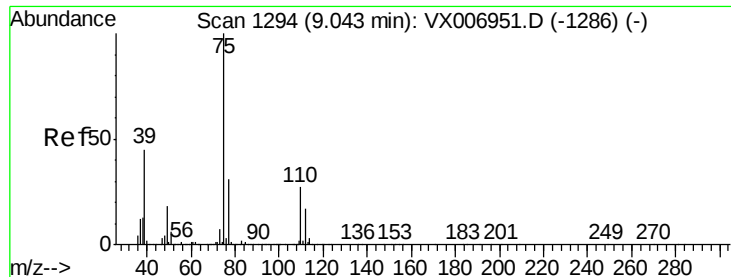
Tgt Ion: 92 Resp: 607574

Ion Ratio Lower Upper

92 100

91 174.2 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 57.340 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 348534

Ion Ratio Lower Upper

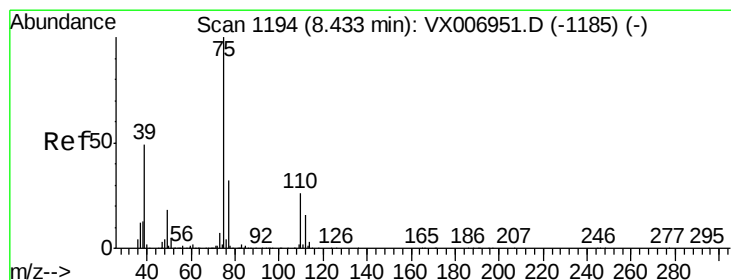
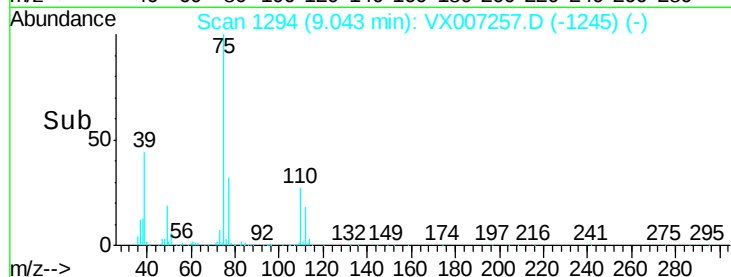
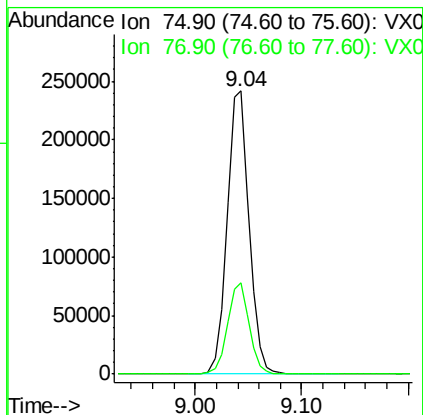
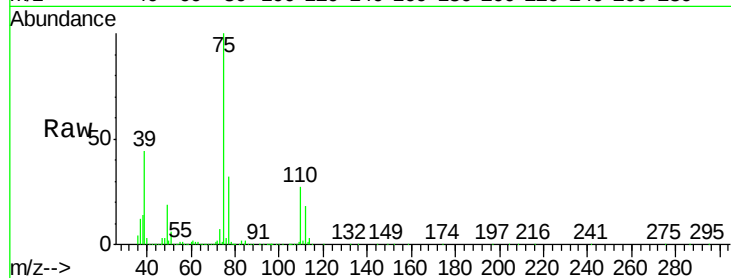
75 100

77 32.3 25.4 38.0

Manual Integrations  
APPROVED

MMDadoda

1/29/2019 9:51:14 AM



#54

cis-1,3-Dichloropropene

Concen: 55.739 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

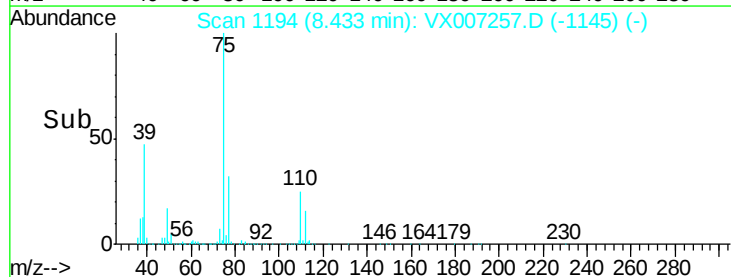
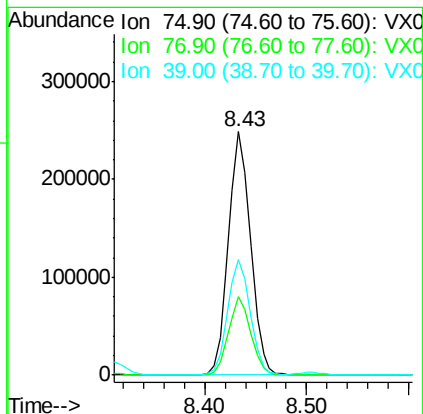
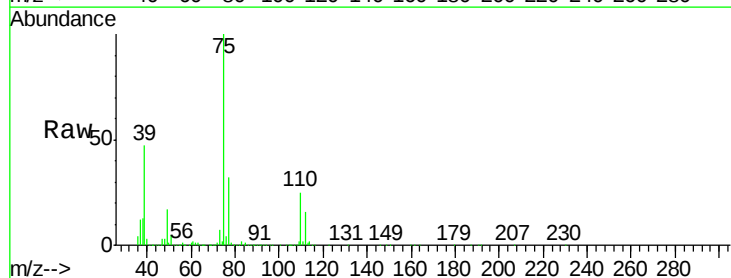
Tgt Ion: 75 Resp: 374157

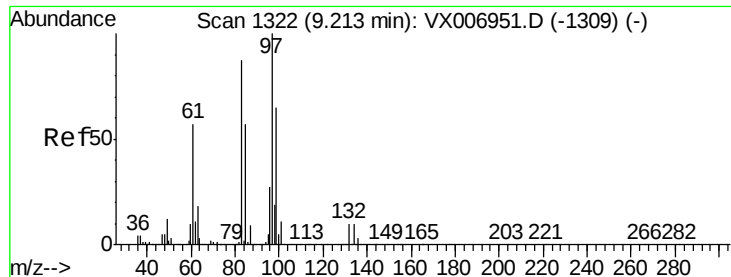
Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

39 47.3 36.7 55.1





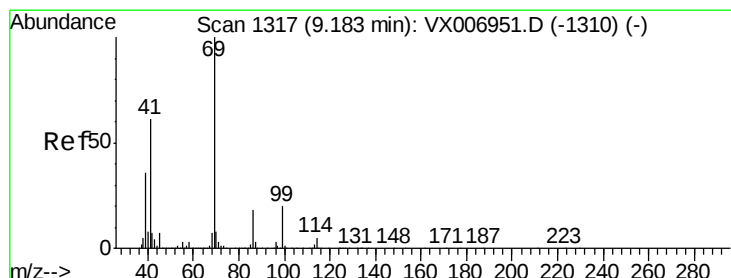
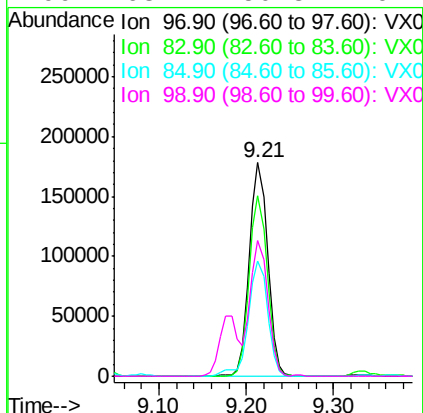
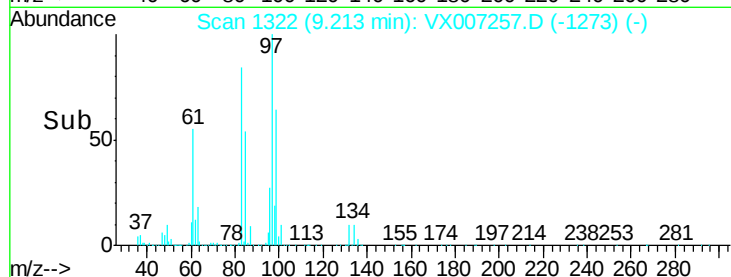
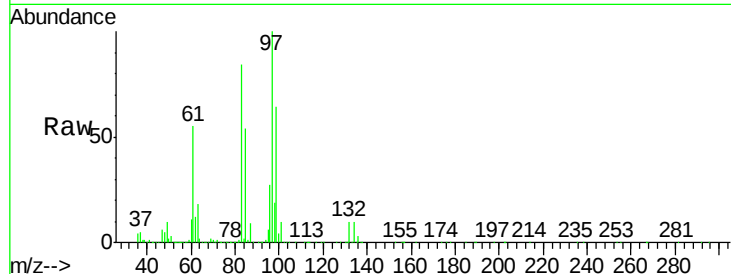
#55  
 1,1,2-Trichloroethane  
 Concen: 55.420 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. 0.00 min  
 Lab File: VX007257.D  
 Acq: 28 Jan 2019 13:31

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 259867 |       |       |
| 83      | 84.3 | 66.6  | 99.8   |       |       |
| 85      | 54.1 | 42.7  | 64.1   |       |       |
| 99      | 63.7 | 50.8  | 76.2   |       |       |

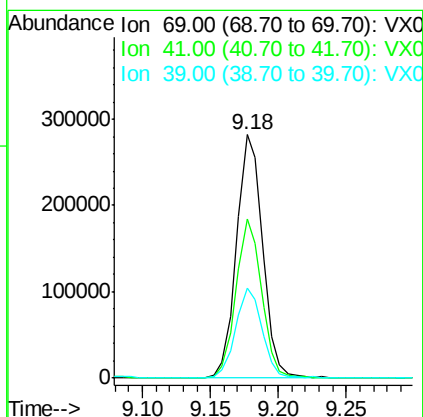
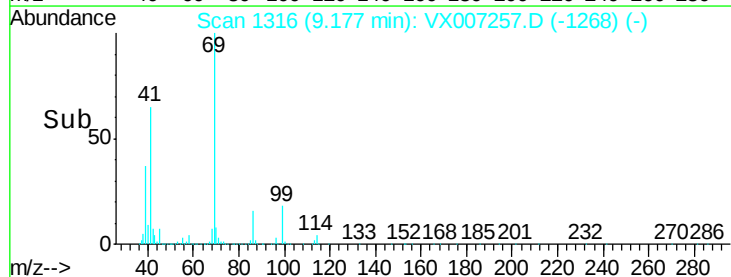
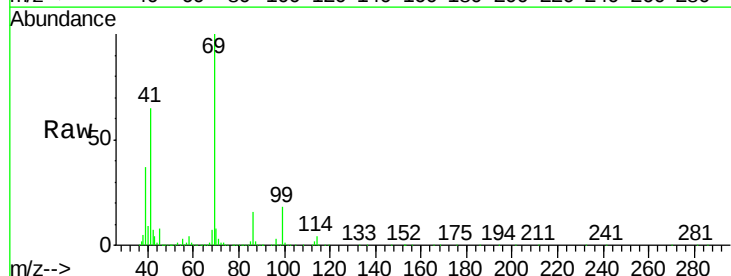
Manual Integrations  
 APPROVED

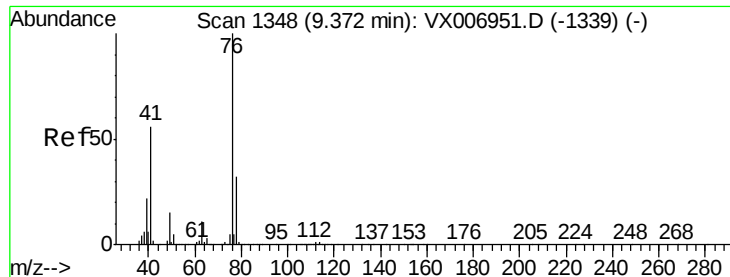
MMDadoda  
 1/29/2019 9:51:14 AM



#56  
 Ethyl methacrylate  
 Concen: 55.144 ug/l  
 RT: 9.18 min Scan# 1316  
 Delta R.T. -0.01 min  
 Lab File: VX007257.D  
 Acq: 28 Jan 2019 13:31

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 377479 |       |       |
| 41      | 64.3 | 48.7  | 73.1   |       |       |
| 39      | 37.4 | 27.0  | 40.6   |       |       |





#57

1,3-Dichloropropane

Concen: 53.529 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 411203

Ion Ratio Lower Upper

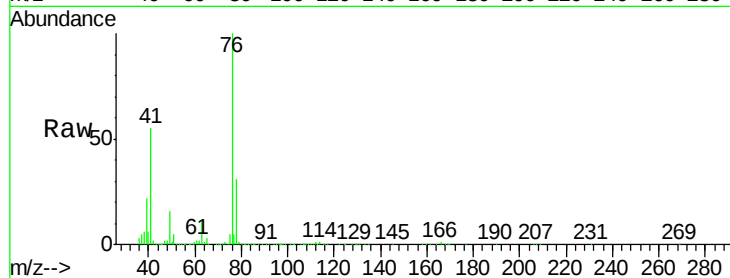
76 100

78 31.7 26.0 39.0

Manual Integrations  
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1/29/2019 9:51:14 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

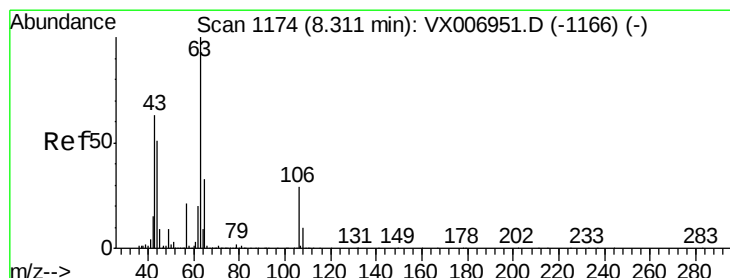
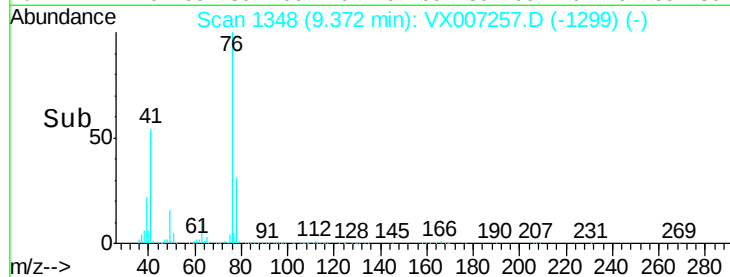
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 260.159 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007257.D

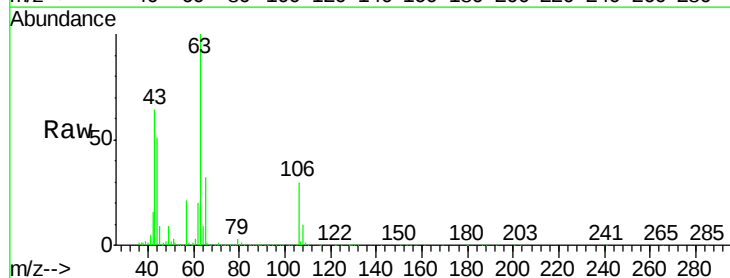
Acq: 28 Jan 2019 13:31

Tgt Ion: 63 Resp: 915655

Ion Ratio Lower Upper

63 100

106 29.7 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

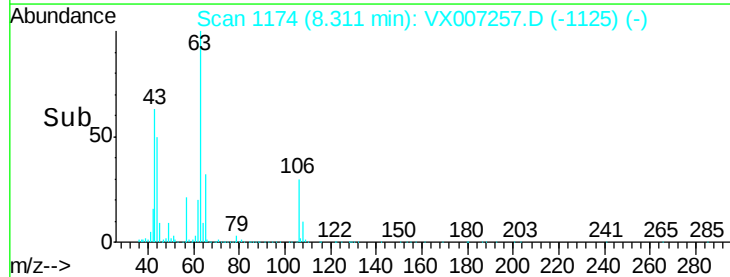
600000

400000

200000

0

Time-->





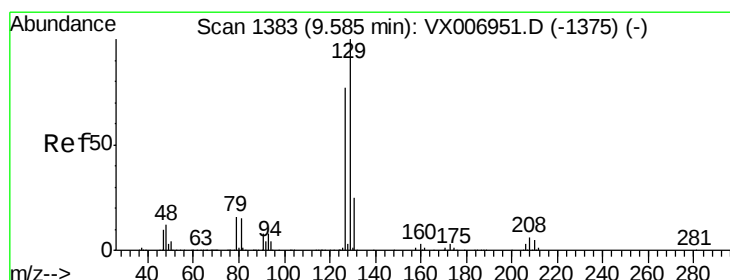
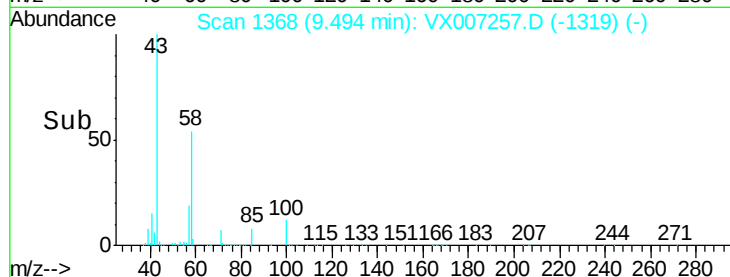
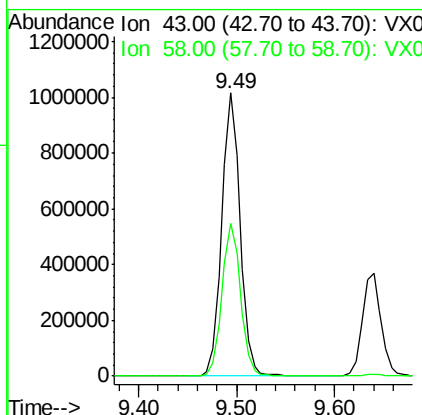
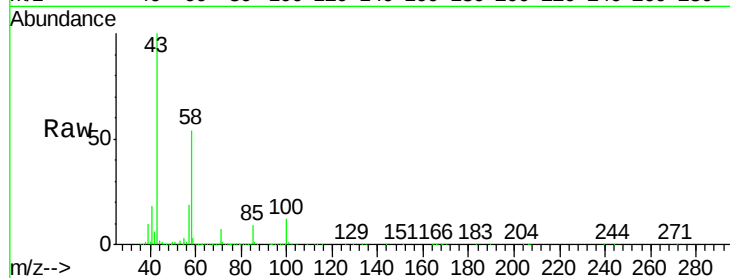
#59  
2-Hexanone  
Concen: 268.168 ug/l  
RT: 9.49 min Scan# 1368  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 1326663  
Ion Ratio Lower Upper  
43 100  
58 54.5 27.7 83.1

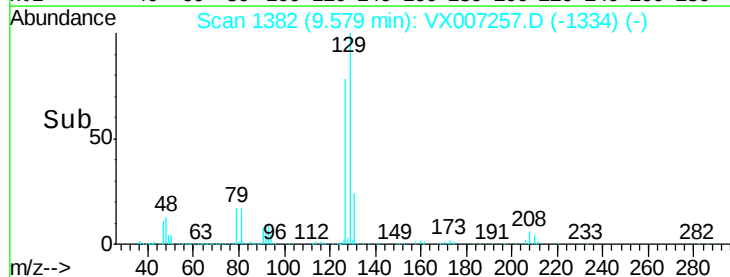
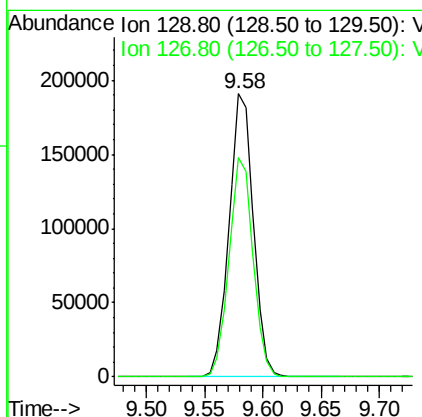
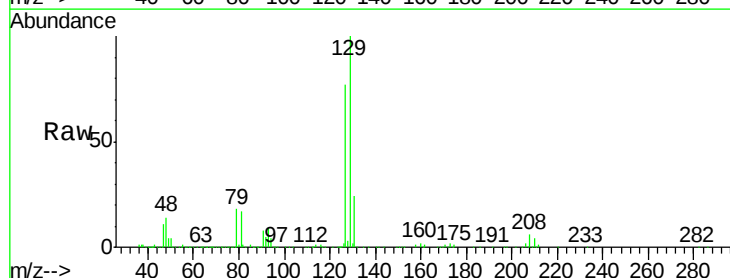
Manual Integrations  
APPROVED

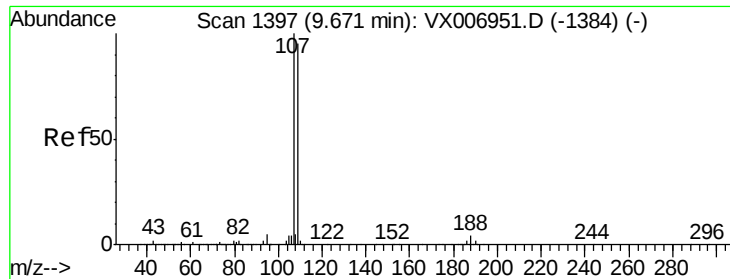
MMDadoda  
1/29/2019 9:51:14 AM



#60  
Dibromochloromethane  
Concen: 60.805 ug/l  
RT: 9.58 min Scan# 1382  
Delta R.T. -0.01 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

Tgt Ion: 129 Resp: 276857  
Ion Ratio Lower Upper  
129 100  
127 76.8 39.3 117.8





#61

1,2-Dibromoethane

Concen: 53.905 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 278265

Ion Ratio Lower Upper

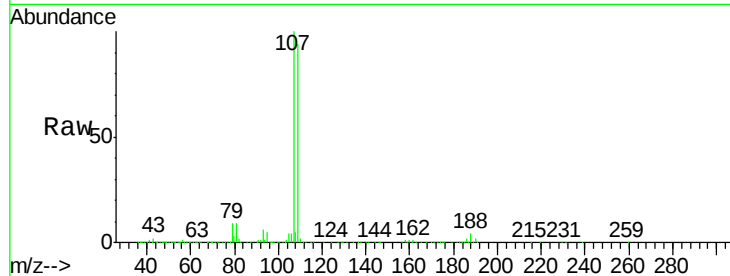
107 100

109 93.4 75.8 113.6

Manual Integrations  
APPROVED

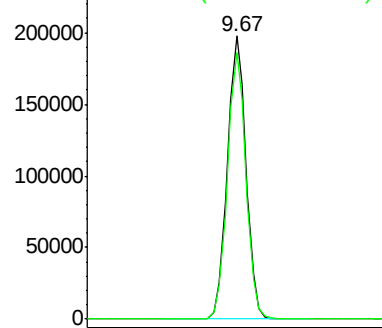
MMDadoda

1/29/2019 9:51:14 AM

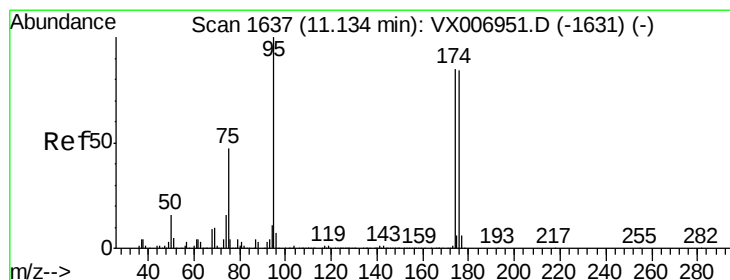
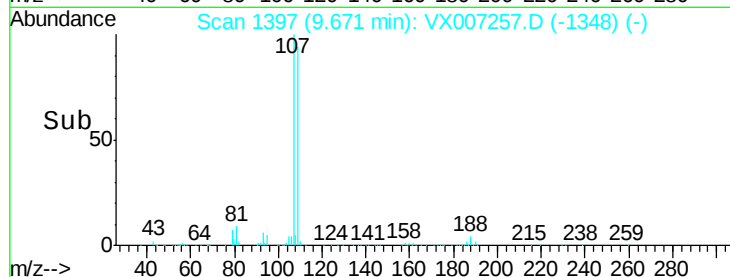


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 55.873 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

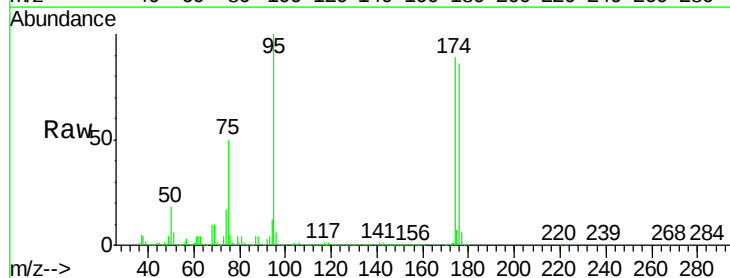
Tgt Ion: 95 Resp: 313702

Ion Ratio Lower Upper

95 100

174 94.0 0.0 182.2

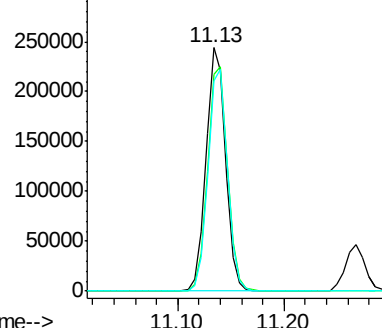
176 91.5 0.0 178.8



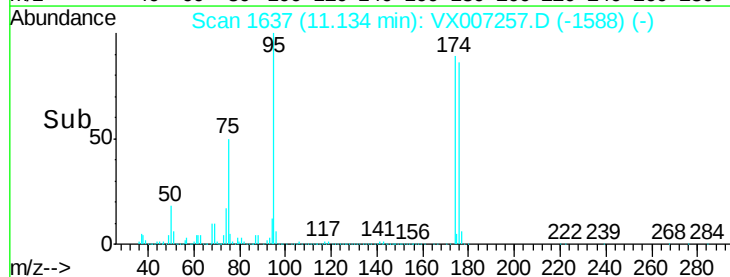
Abundance Ion 94.90 (94.60 to 95.60): VX0

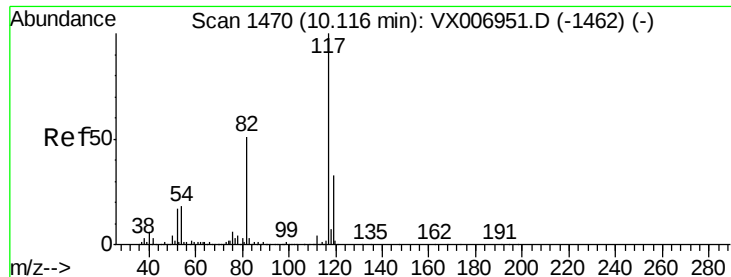
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





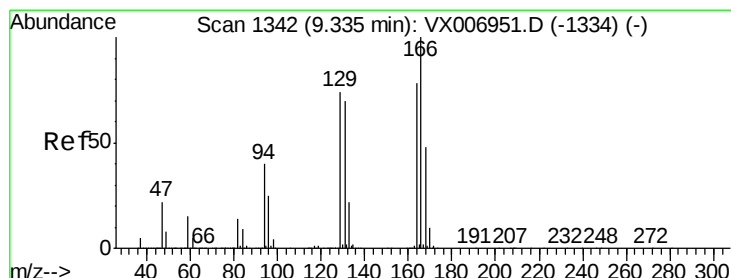
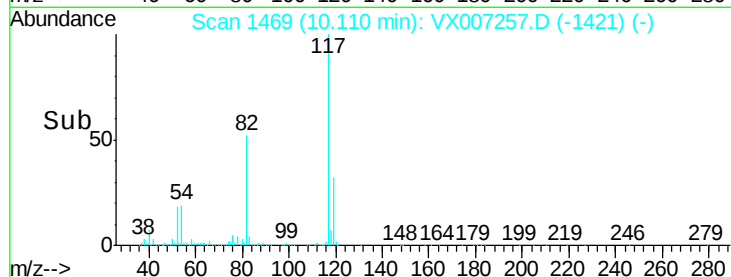
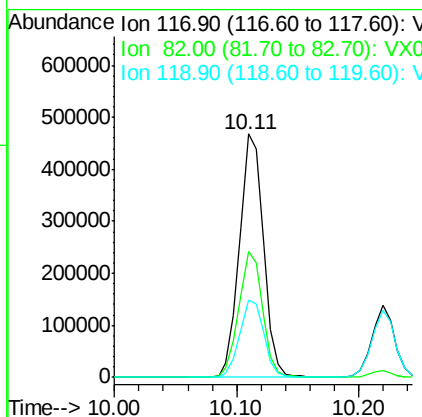
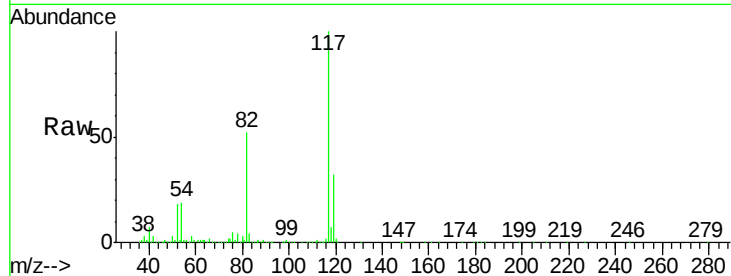
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.01 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.7  | 41.0  | 61.6  |
| 119     | 32.0  | 25.4  | 38.0  |

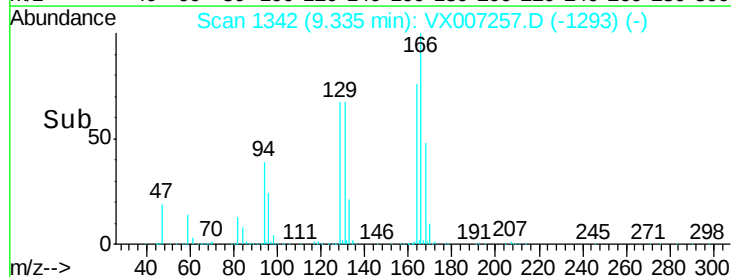
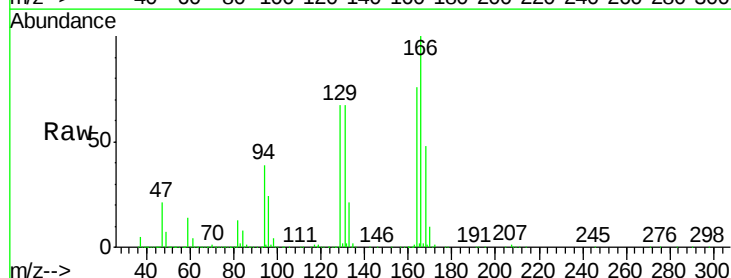
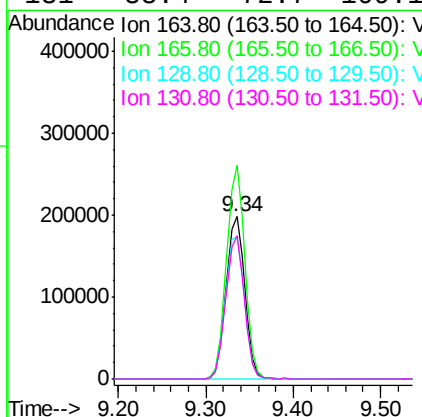
Manual Integrations  
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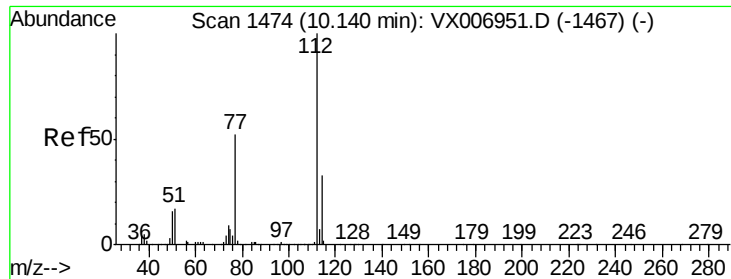
MMDadoda  
1/29/2019 9:51:14 AM



#64  
Tetrachloroethene  
Concen: 53.621 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 131.6 | 102.5 | 153.7 |
| 129     | 87.9  | 75.1  | 112.7 |
| 131     | 88.4  | 72.7  | 109.1 |





#65

Chlorobenzene

Concen: 51.643 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 715250

Ion Ratio Lower Upper

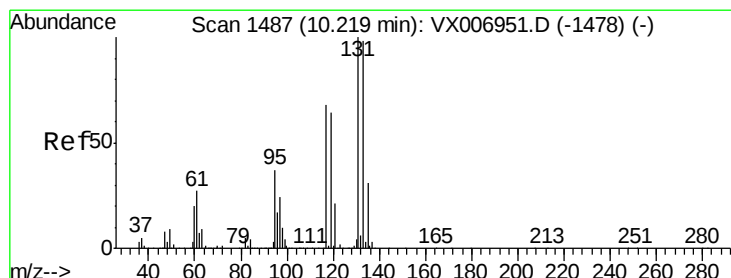
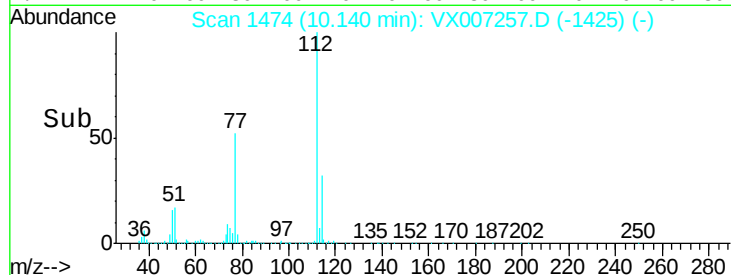
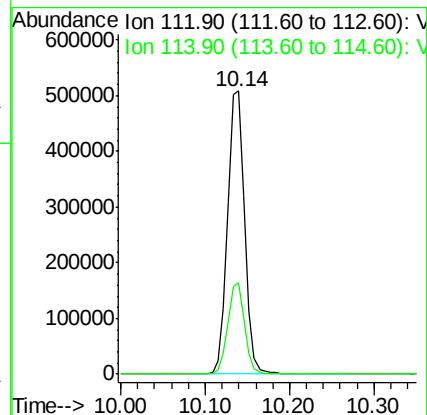
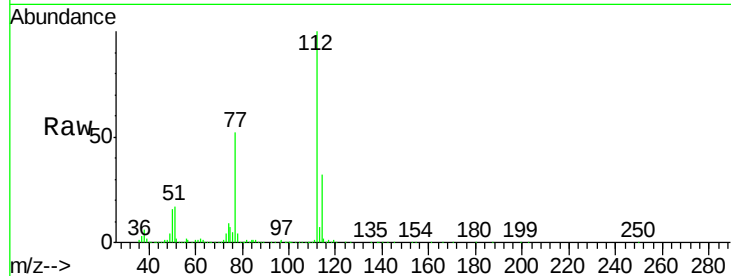
112 100

114 32.5 25.7 38.5

Manual Integrations  
APPROVED

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1/29/2019 9:51:14 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 56.591 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

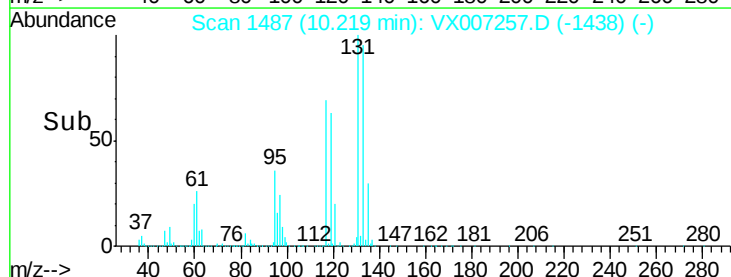
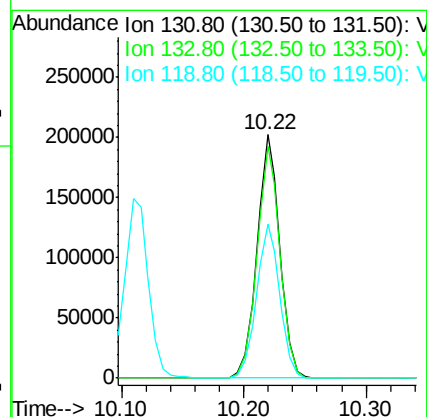
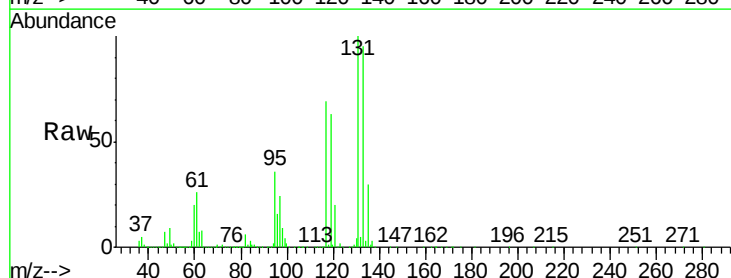
Tgt Ion:131 Resp: 263665

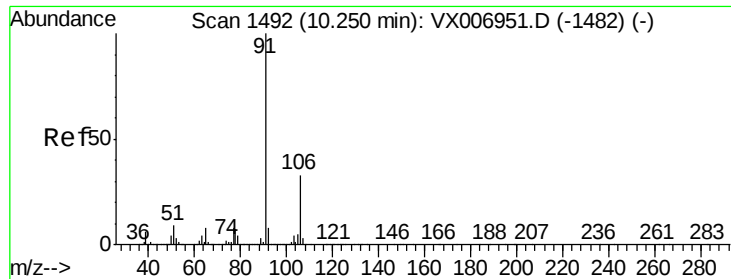
Ion Ratio Lower Upper

131 100

133 95.5 48.0 144.2

119 64.5 32.6 97.8





#67

Ethyl Benzene

Concen: 51.744 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1183100

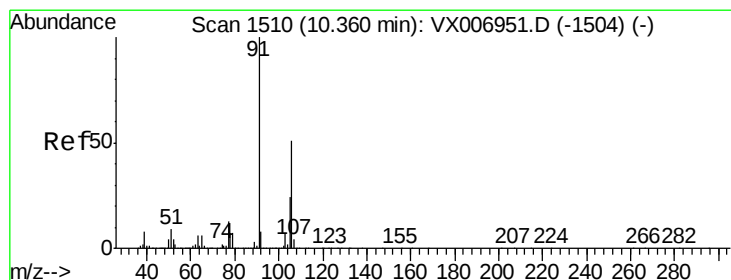
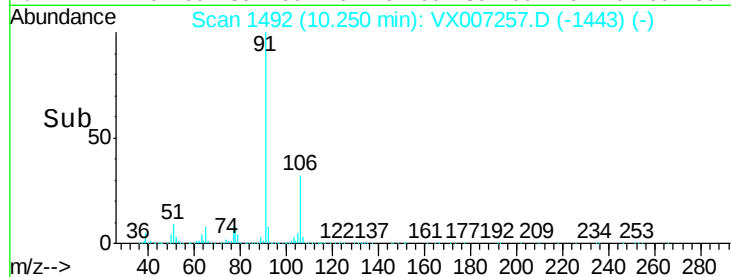
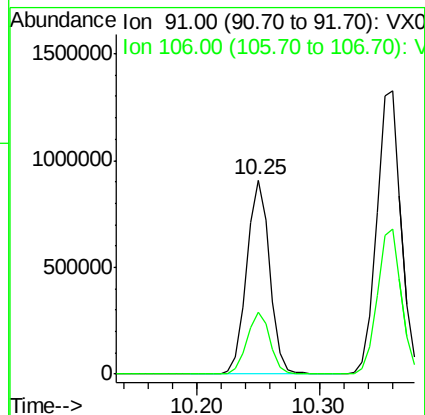
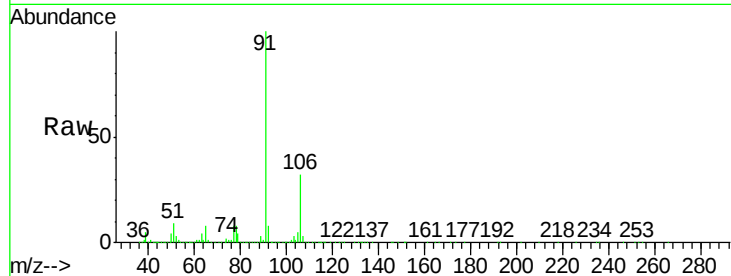
Ion Ratio Lower Upper

91 100

106 31.9 26.4 39.6

Manual Integrations  
APPROVED

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1/29/2019 9:51:14 AM



#68

m/p-Xylenes

Concen: 103.009 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007257.D

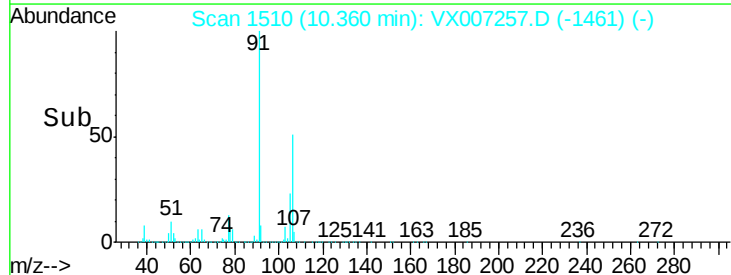
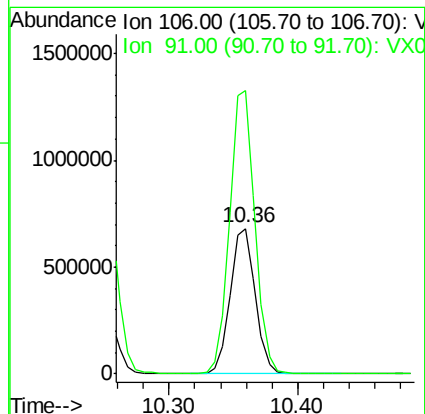
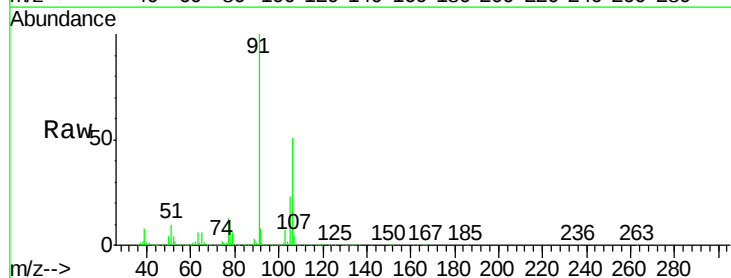
Acq: 28 Jan 2019 13:31

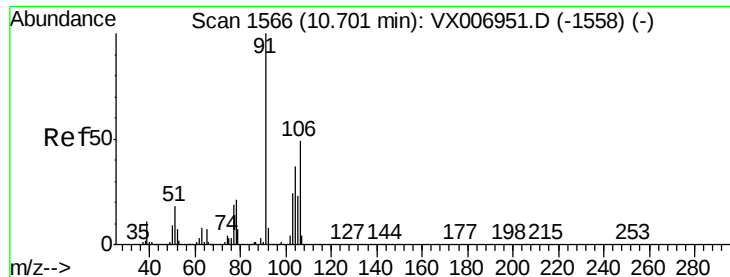
Tgt Ion: 106 Resp: 927933

Ion Ratio Lower Upper

106 100

91 196.7 155.8 233.6





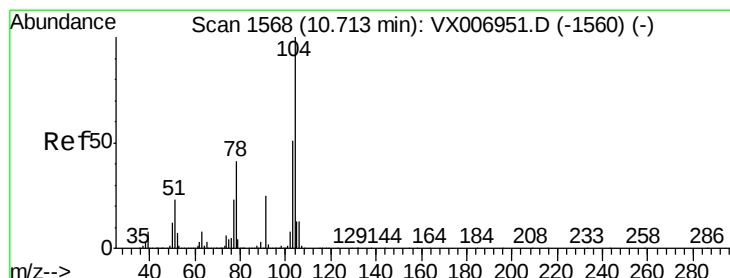
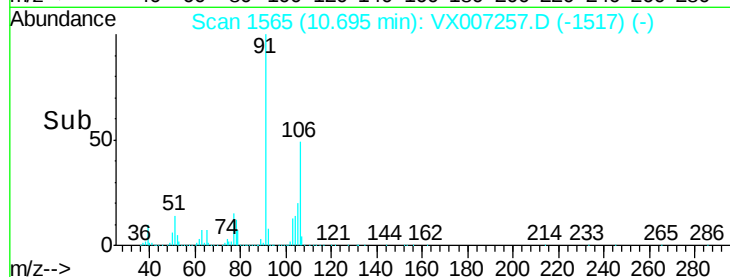
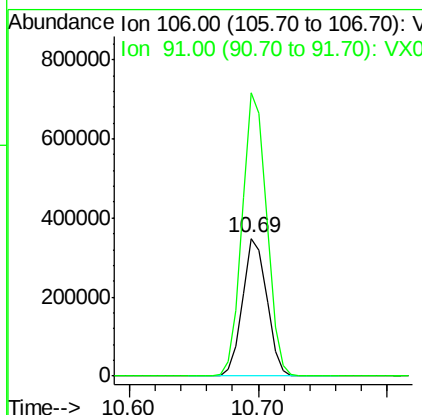
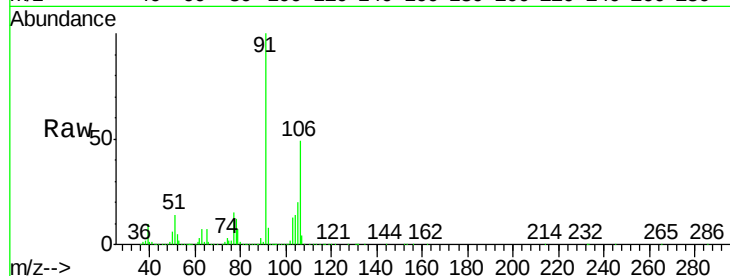
#69  
o-Xylene  
Concen: 51.708 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. -0.01 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 208.0 | 101.3 | 303.7 |

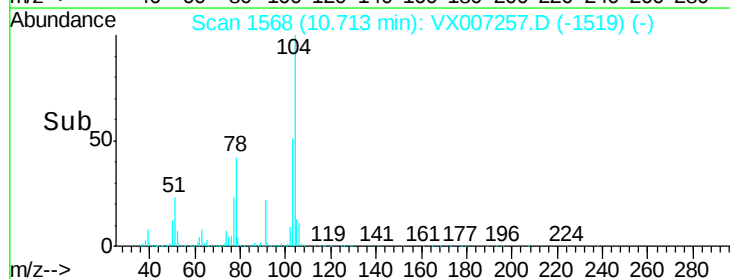
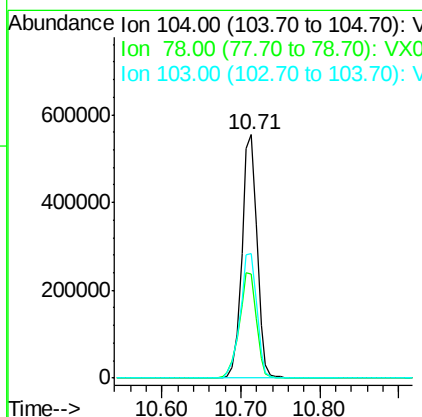
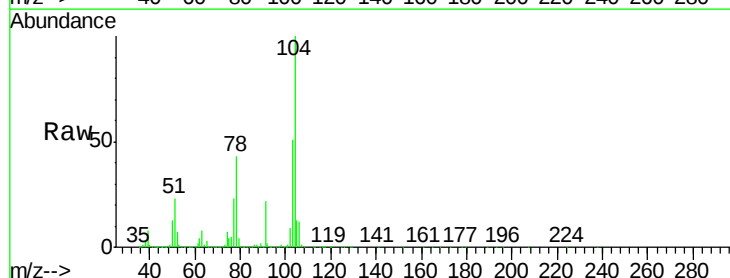
Manual Integrations  
APPROVED

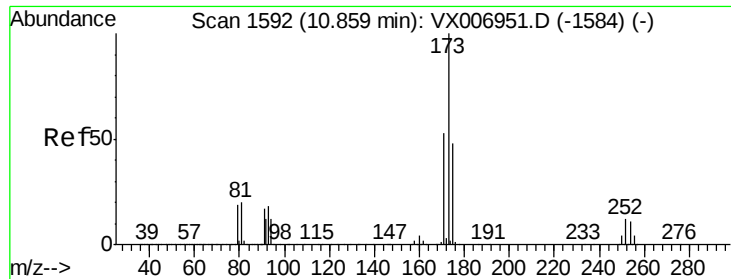
MMDadoda  
1/29/2019 9:51:14 AM



#70  
Styrene  
Concen: 53.124 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 48.8  | 37.7  | 56.5  |
| 103     | 56.6  | 43.8  | 65.8  |





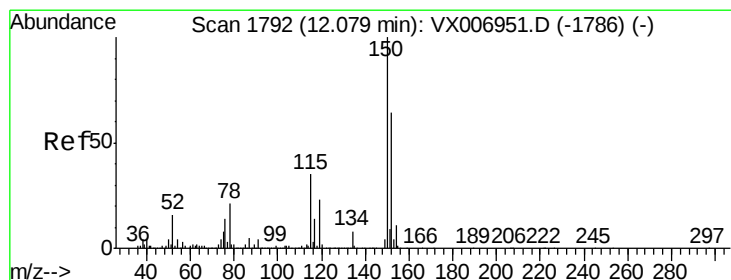
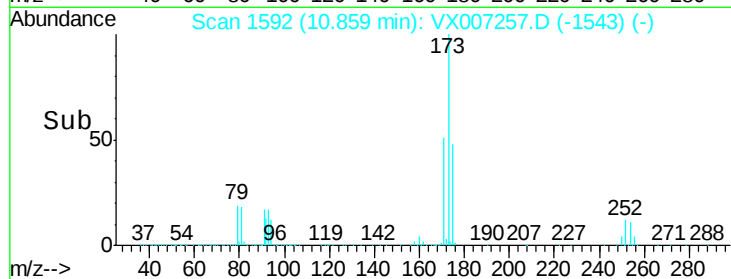
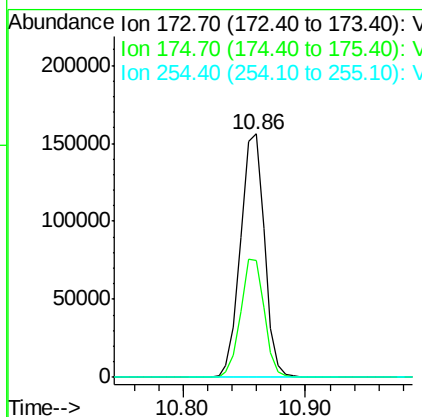
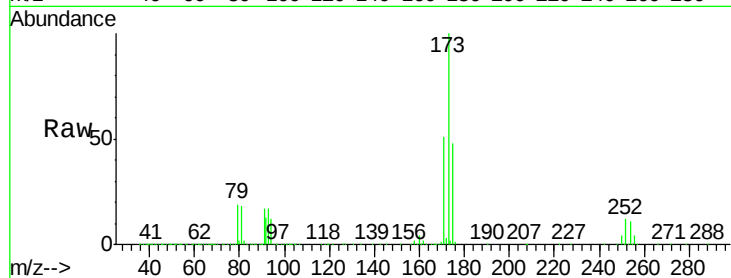
#71  
Bromoform  
Concen: 50.463 ug/l  
RT: 10.86 min Scan# 1592  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.0  | 24.7  | 74.1  |
| 254     | 0.2   | 0.2   | 0.2   |

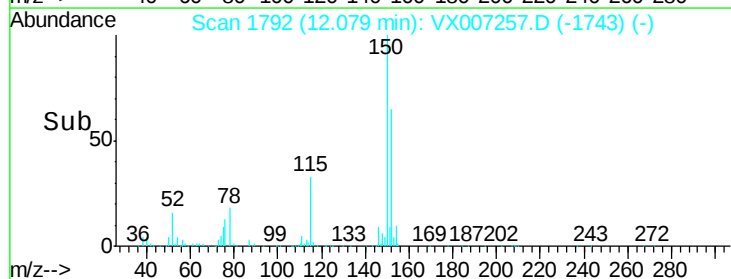
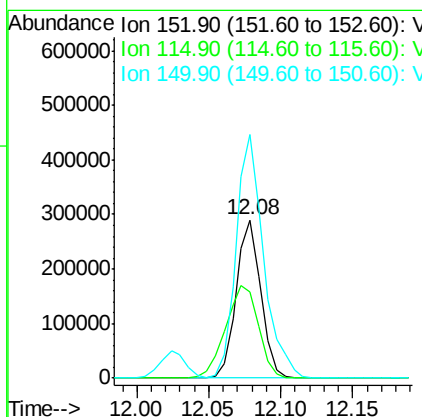
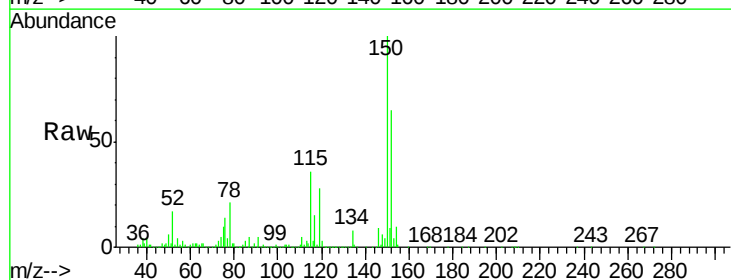
Manual Integrations  
APPROVED

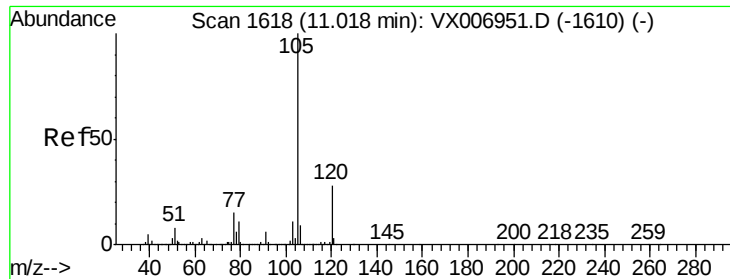
MMDadoda  
1/29/2019 9:51:14 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 78.5  | 39.1  | 117.2 |
| 150     | 172.1 | 0.0   | 344.8 |





#73

Isopropylbenzene

Concen: 50.577 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1227429

Ion Ratio Lower Upper

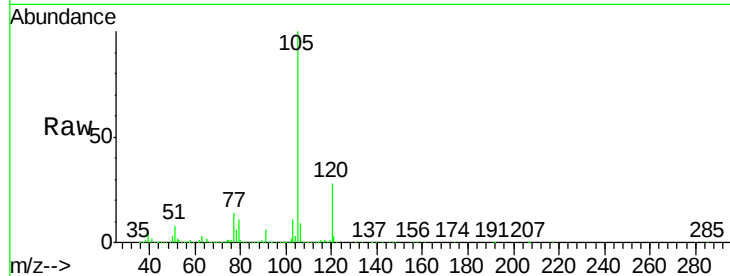
105 100

120 28.1 14.1 42.4

Manual Integrations  
APPROVED

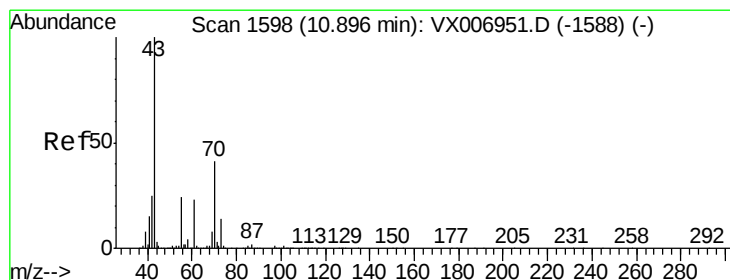
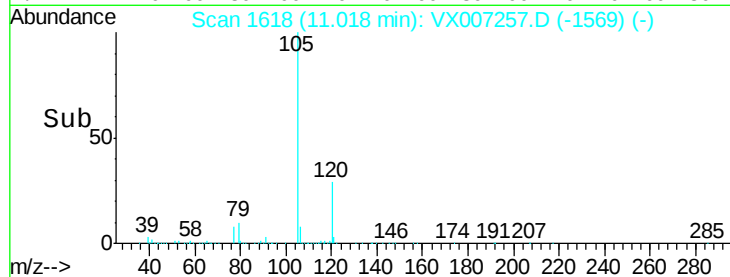
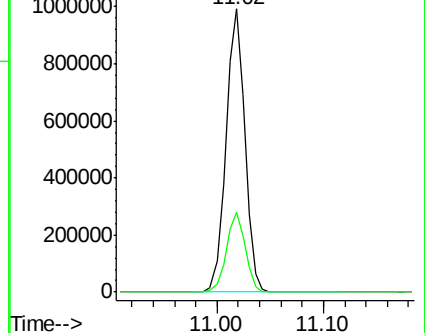
MMDadoda

1/29/2019 9:51:14 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.623 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Tgt Ion: 43 Resp: 484870

Ion Ratio Lower Upper

43 100

70 41.9 35.8 53.8

55 24.6 19.4 29.0

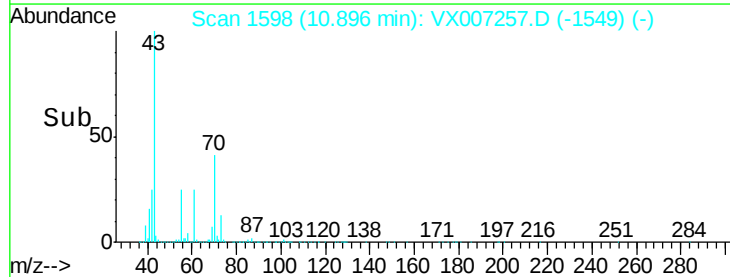
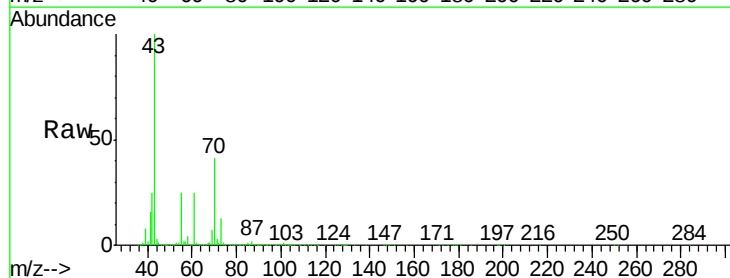
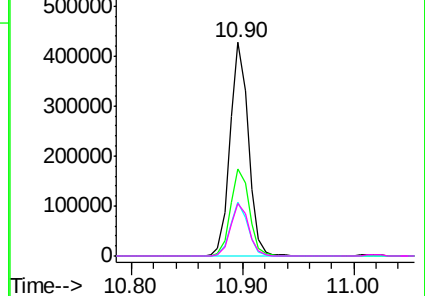
61 24.5 20.1 30.1

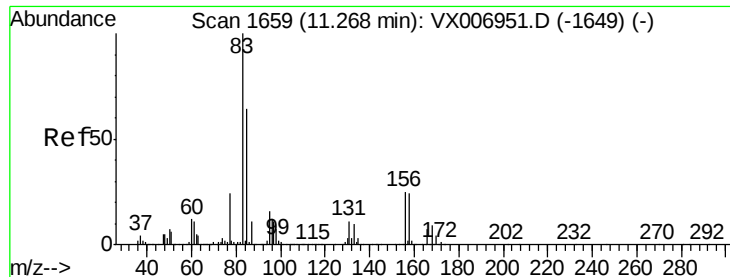
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.793 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

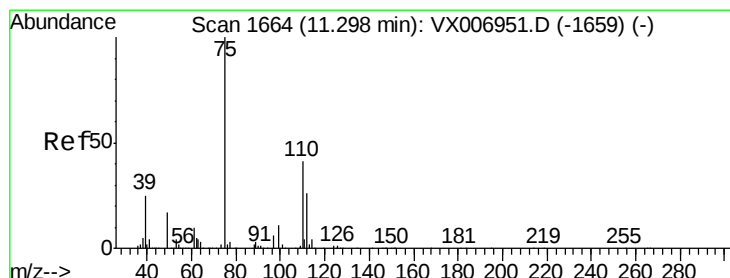
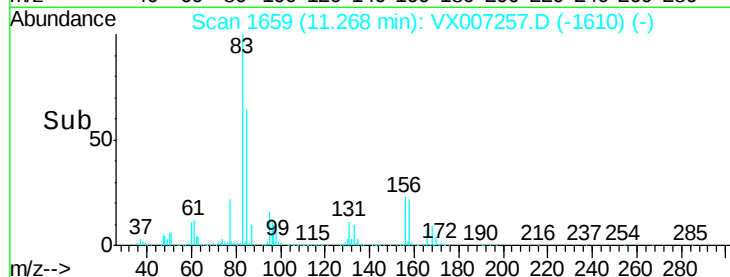
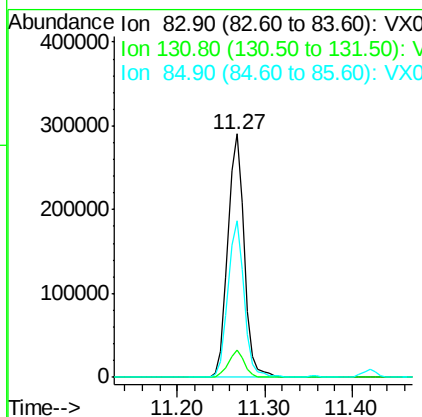
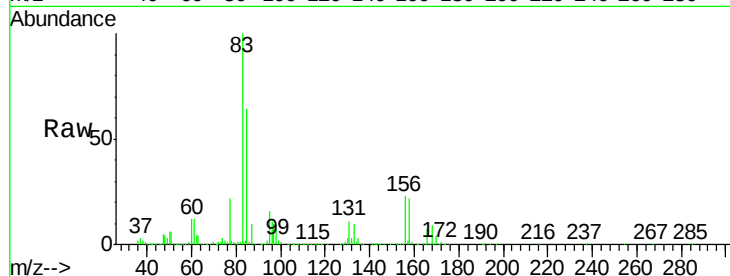
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 375919 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 131      | 11.0  | 5.7   | 17.1   |
| 85       | 63.6  | 32.2  | 96.6   |

Manual Integrations  
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1/29/2019 9:51:14 AM



#76

1,2,3-Trichloropropane

Concen: 51.122 ug/l m

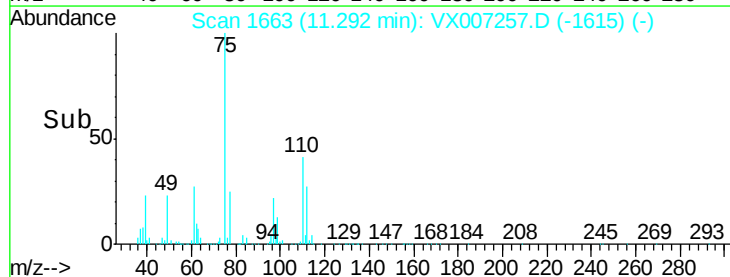
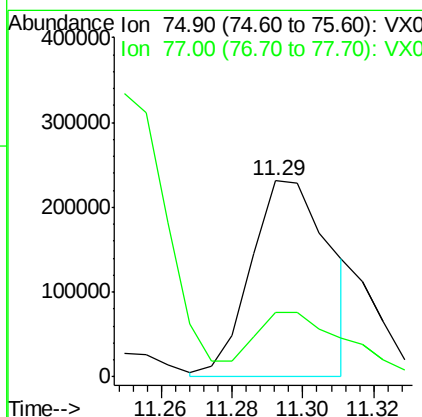
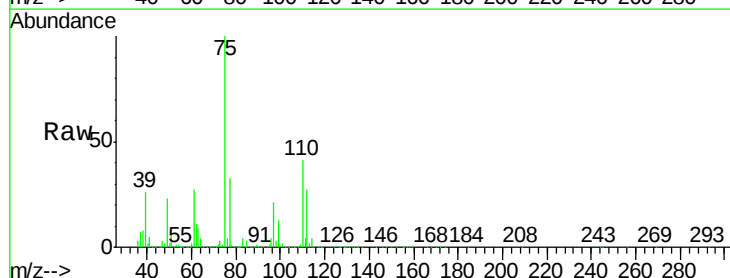
RT: 11.29 min Scan# 1663

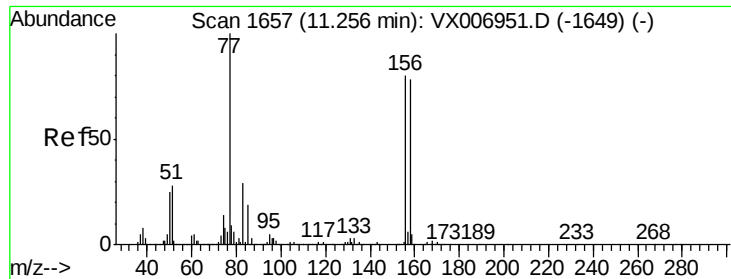
Delta R.T. -0.01 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 356542 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 37.9  | 18.5  | 55.5   |





#77

Bromobenzene

Concen: 49.190 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

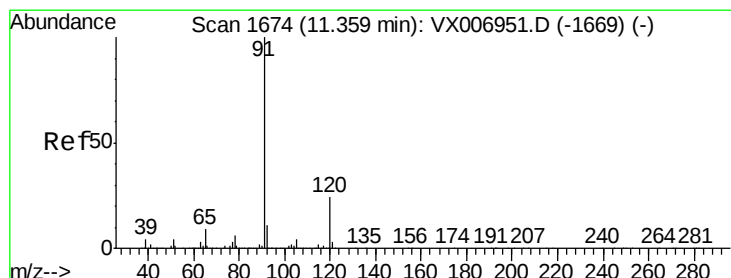
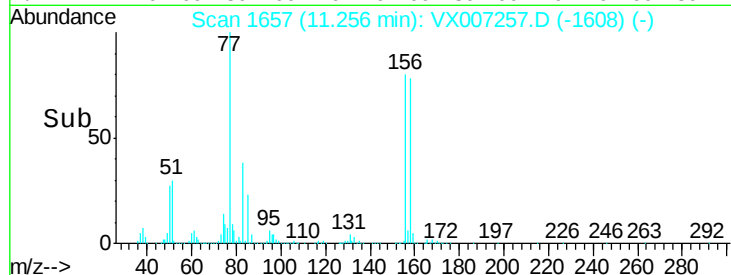
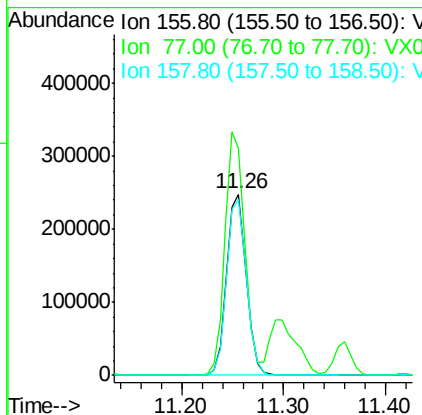
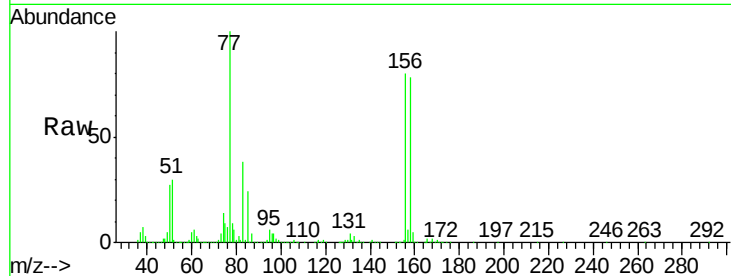
ClientSampleId :

VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 136.7 | 68.0  | 204.0 |
| 158     | 97.9  | 48.3  | 144.8 |

Manual Integrations  
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#78

n-propylbenzene

Concen: 52.036 ug/l

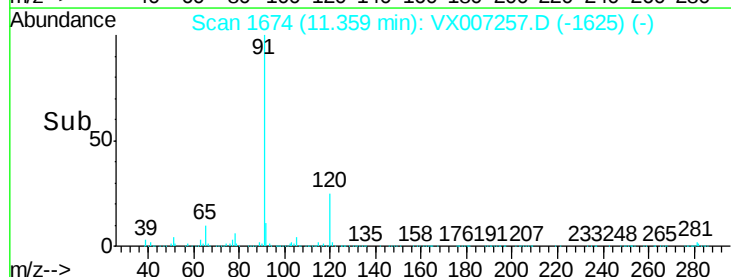
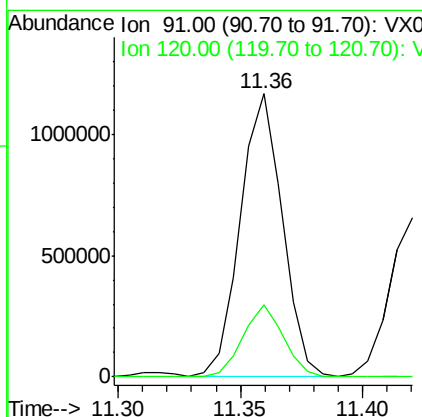
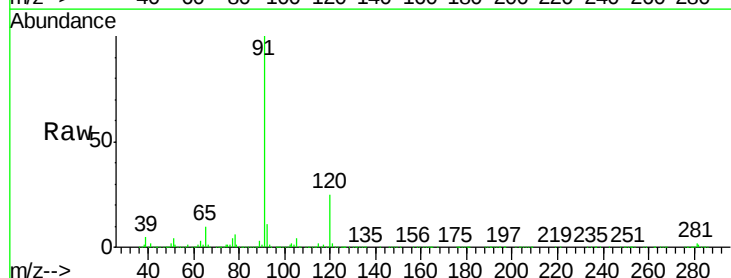
RT: 11.36 min Scan# 1674

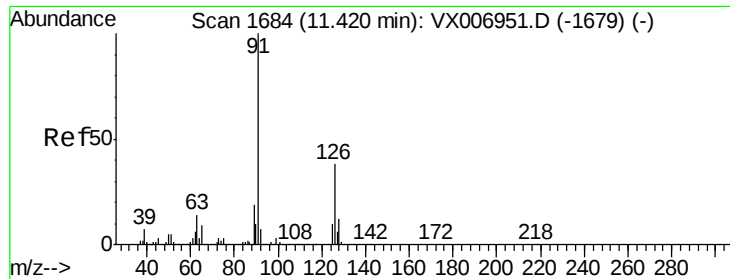
Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 25.0  | 12.7  | 38.0  |





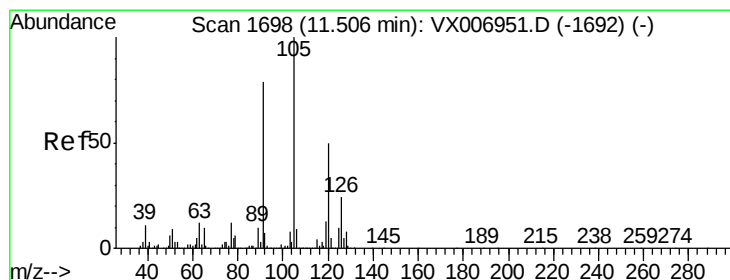
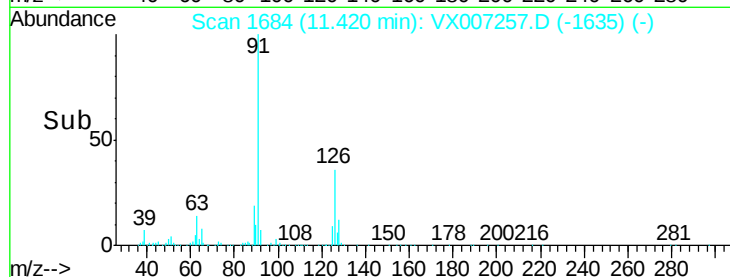
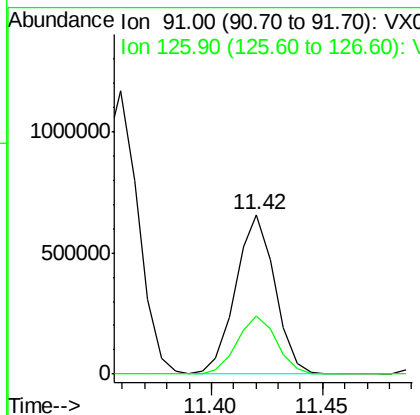
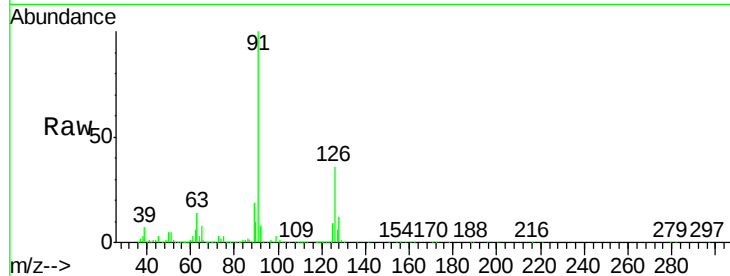
#79  
2-Chlorotoluene  
Concen: 50.105 ug/l  
RT: 11.42 min Scan# 1684  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 803539  
Ion Ratio Lower Upper  
91 100  
126 36.9 18.6 56.0

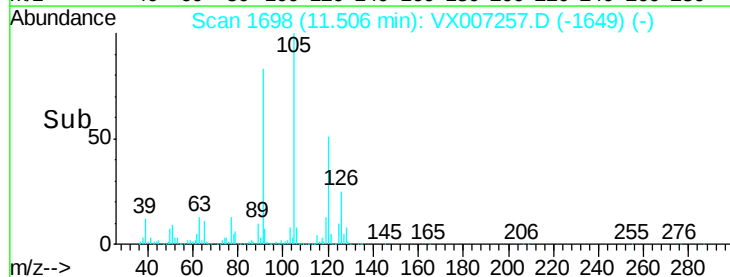
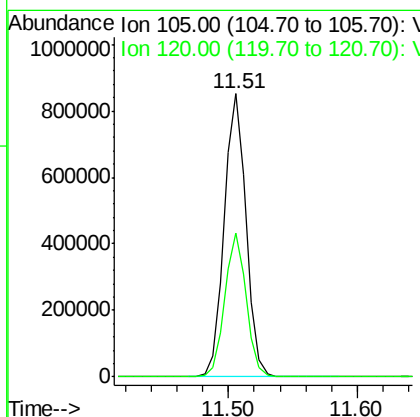
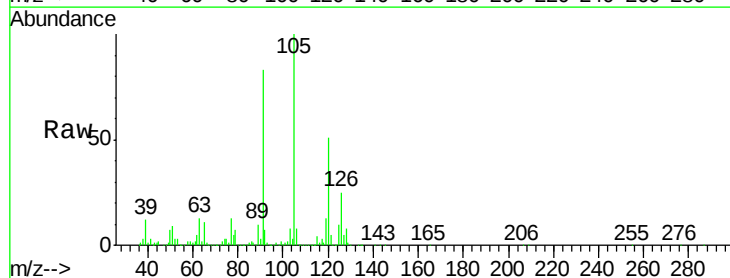
Manual Integrations  
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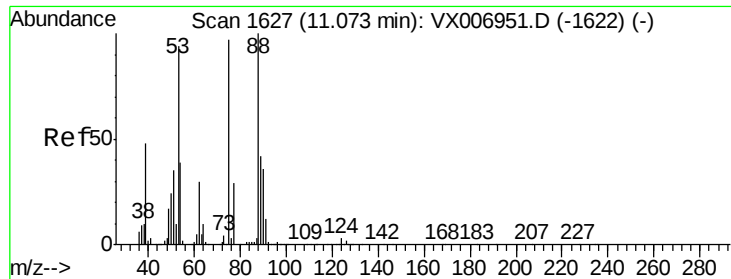
MMDadoda  
1/29/2019 9:51:14 AM



#80  
1,3,5-Trimethylbenzene  
Concen: 50.141 ug/l  
RT: 11.51 min Scan# 1698  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

Tgt Ion: 105 Resp: 1016760  
Ion Ratio Lower Upper  
105 100  
120 49.9 25.1 75.3





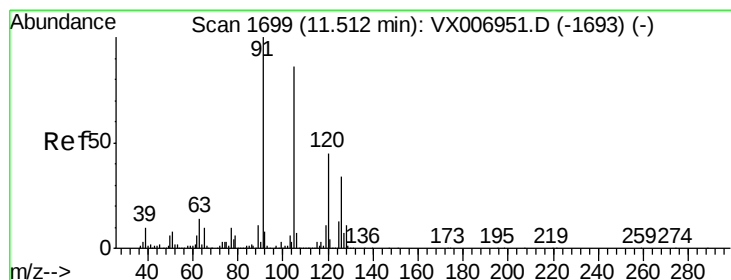
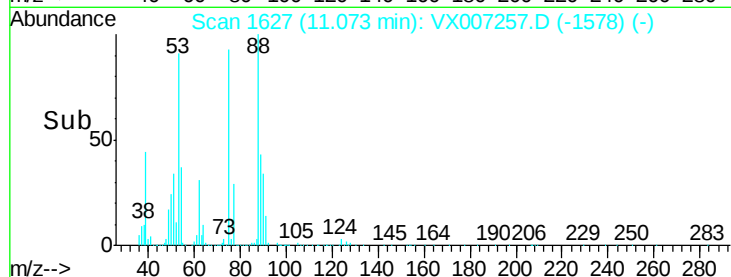
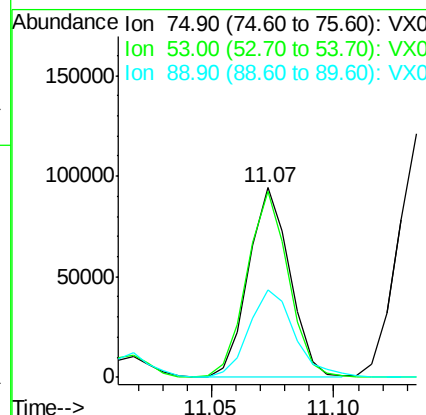
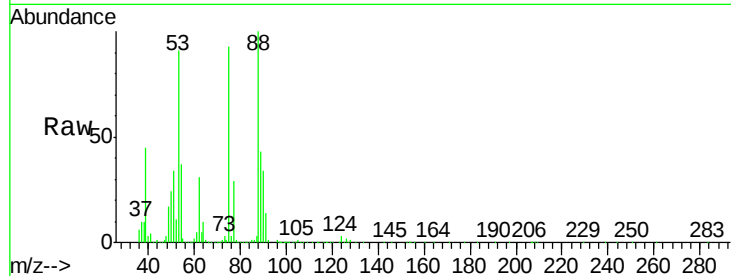
#81  
trans-1,4-Dichloro-2-butene  
Concen: 47.849 ug/l  
RT: 11.07 min Scan# 1627  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 98.6  | 79.7  | 119.5 |
| 89      | 51.4  | 38.0  | 57.0  |

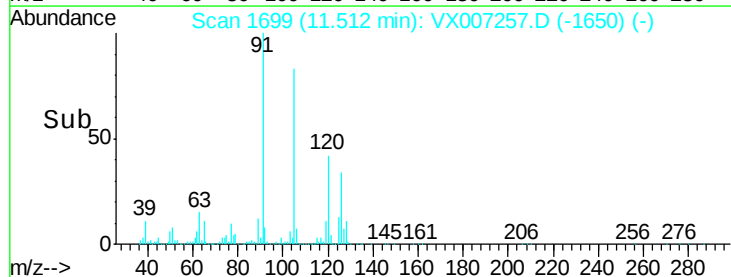
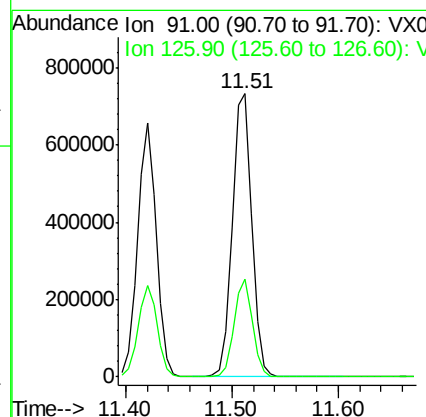
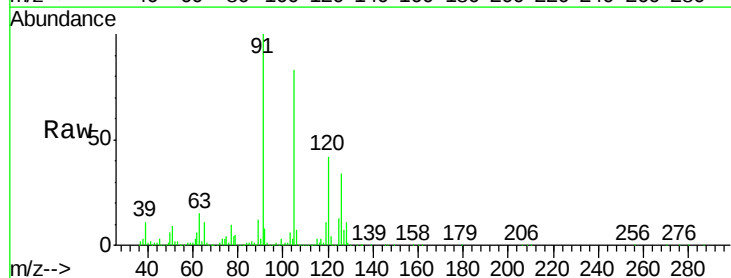
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#82  
4-Chlorotoluene  
Concen: 50.610 ug/l  
RT: 11.51 min Scan# 1699  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.6  | 16.3  | 48.9  |





#83

tert-Butylbenzene

Concen: 50.038 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1012370

Ion Ratio Lower Upper

119 100

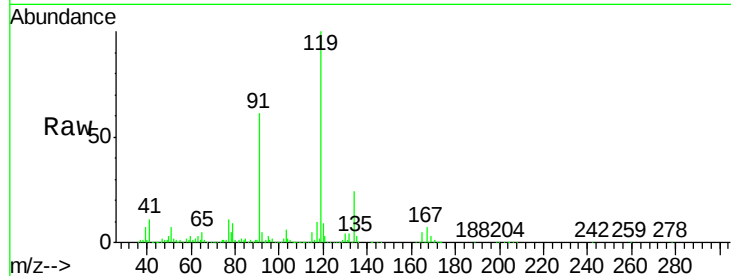
91 57.6 27.7 83.1

134 23.9 11.9 35.5

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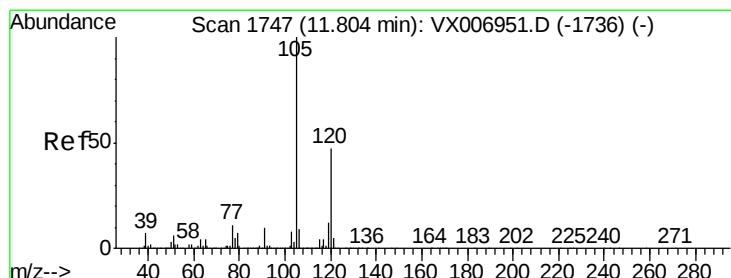
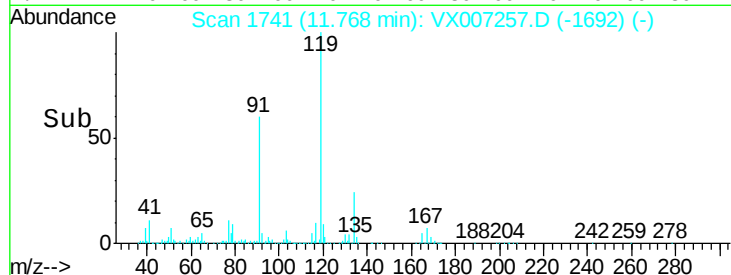
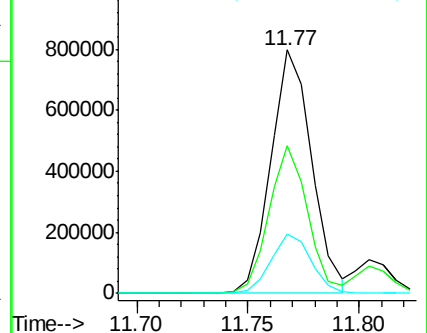
1/29/2019 9:51:14 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.108 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007257.D

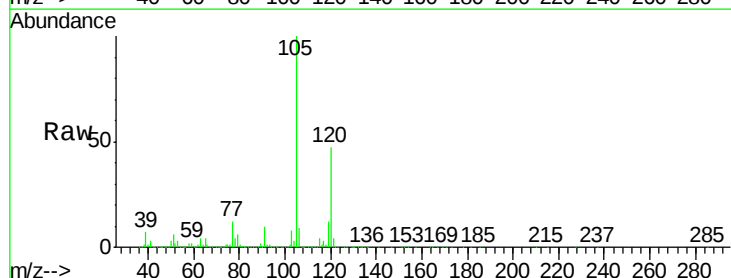
Acq: 28 Jan 2019 13:31

Tgt Ion:105 Resp: 1042159

Ion Ratio Lower Upper

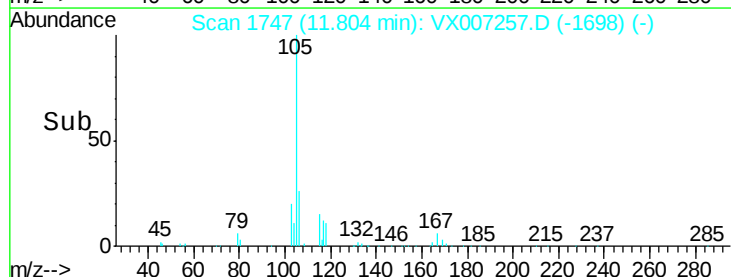
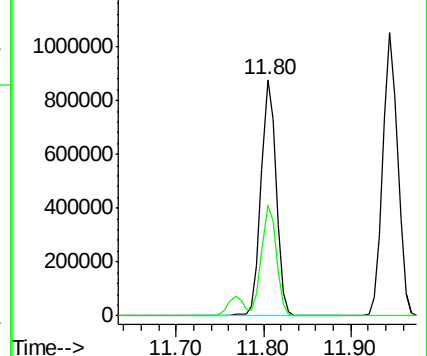
105 100

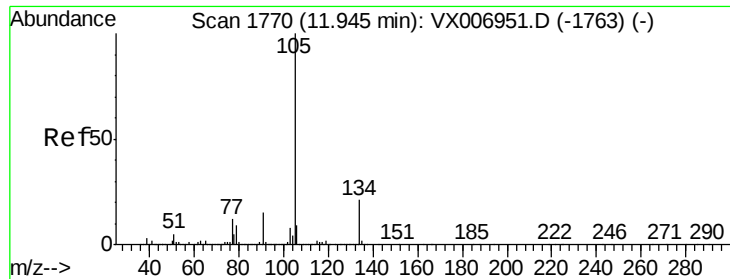
120 45.8 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.121 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1259373

Ion Ratio Lower Upper

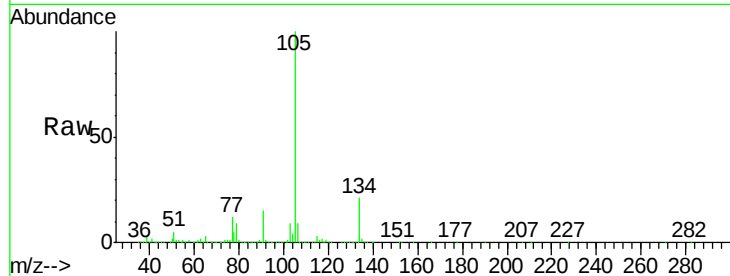
105 100

134 20.8 10.7 31.9

Manual Integrations  
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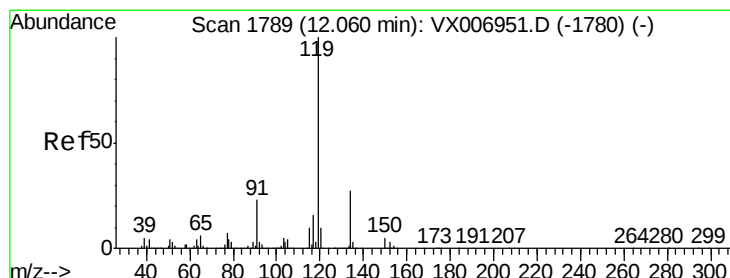
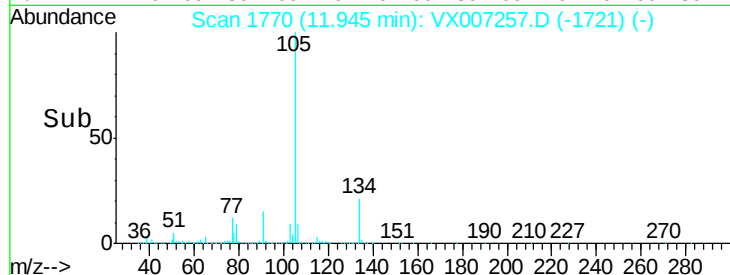
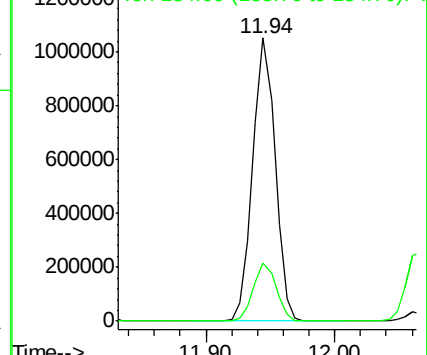
MMDadoda

1/29/2019 9:51:14 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.347 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

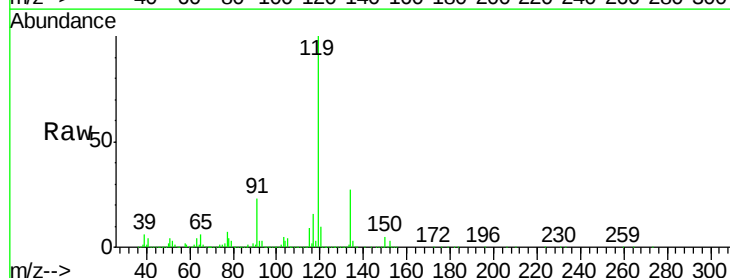
Tgt Ion:119 Resp: 1131366

Ion Ratio Lower Upper

119 100

134 27.4 14.0 41.9

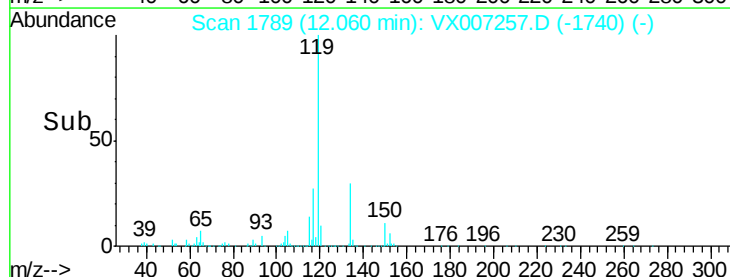
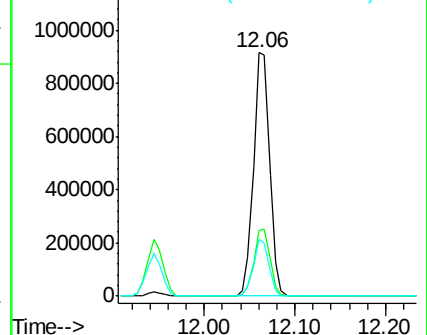
91 22.4 11.3 33.9



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: 49.946 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

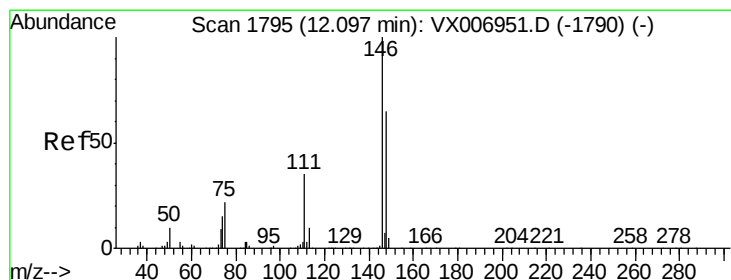
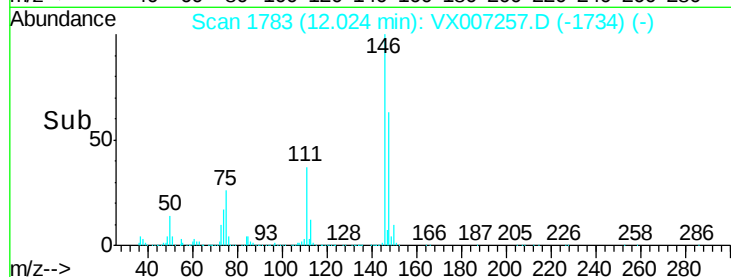
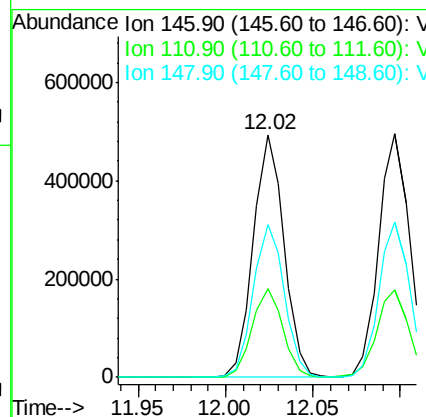
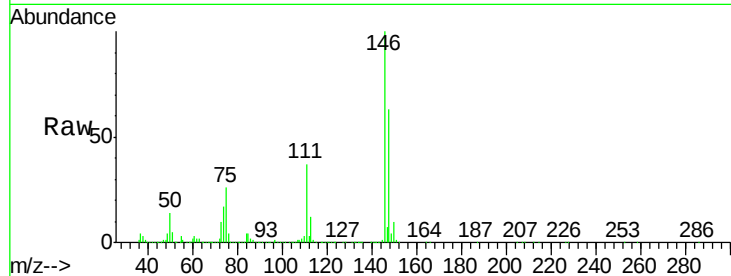
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 603668 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 36.7  | 18.6  | 55.8   |
| 148       | 63.6  | 31.8  | 95.3   |

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#88

1,4-Dichlorobenzene

Concen: 53.066 ug/l

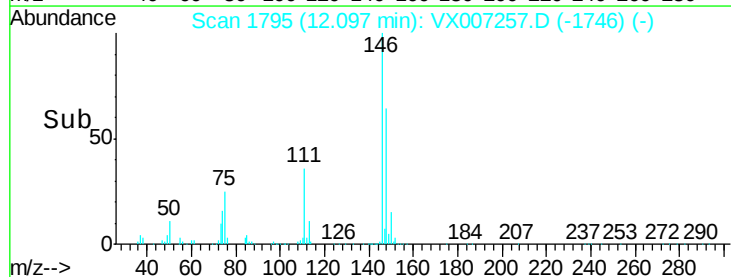
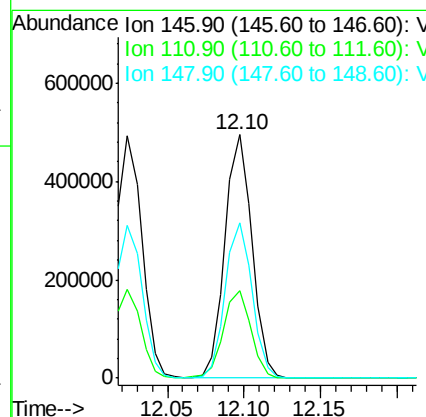
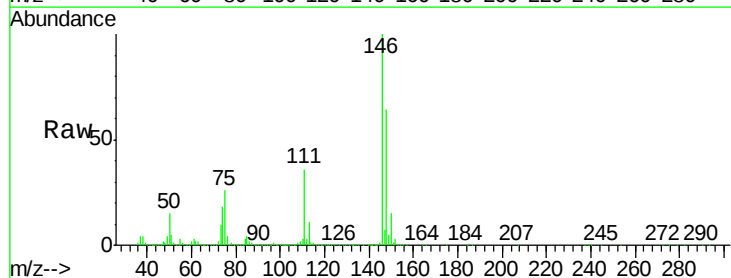
RT: 12.10 min Scan# 1795

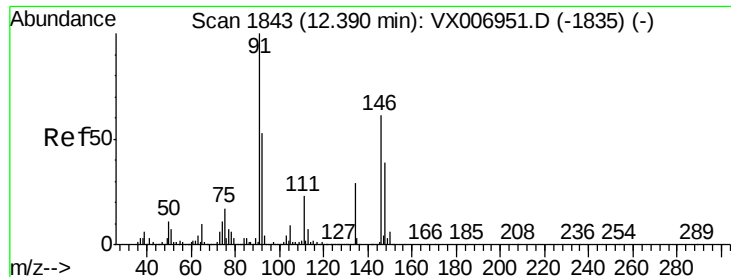
Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 607795 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 36.5  | 18.1  | 54.1   |
| 148       | 63.5  | 31.9  | 95.9   |





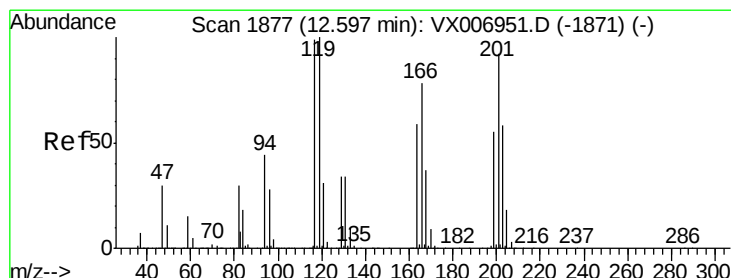
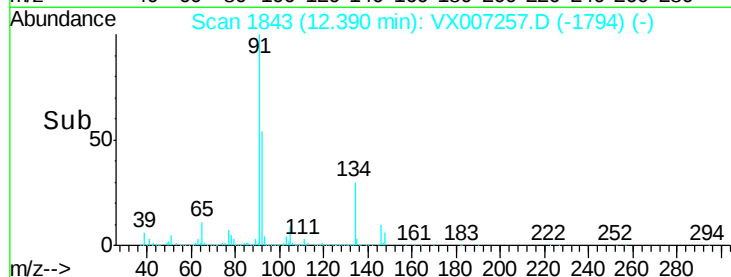
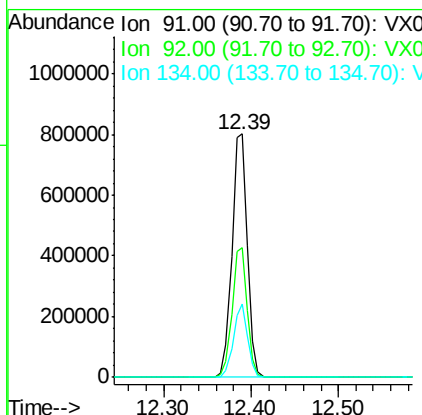
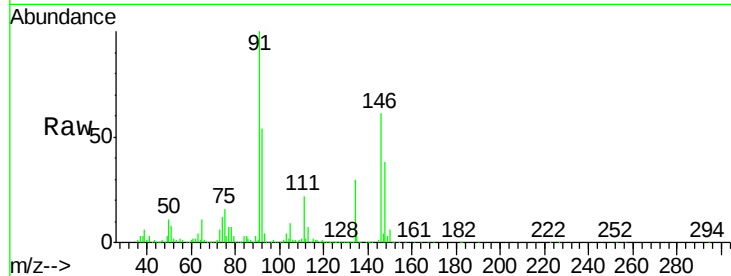
#89  
n-Butylbenzene  
Concen: 53.597 ug/l  
RT: 12.39 min Scan# 1843  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.3  | 26.8  | 80.4  |
| 134     | 28.1  | 14.4  | 43.2  |

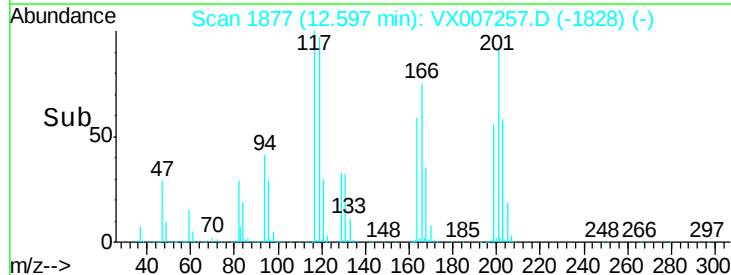
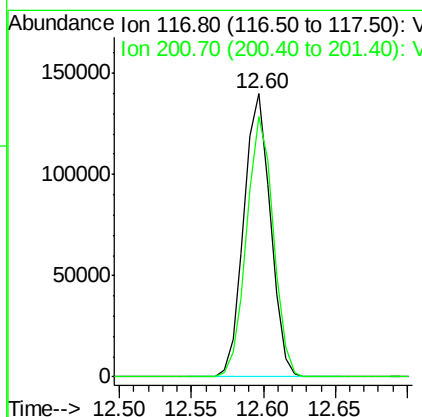
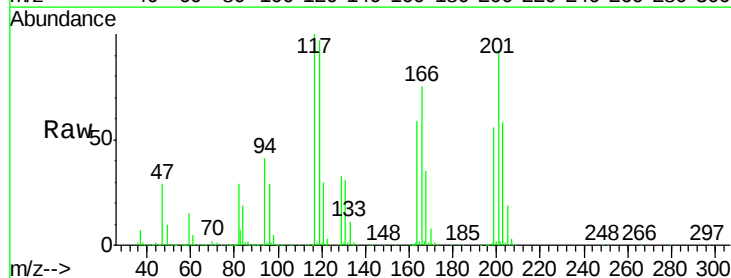
Manual Integrations  
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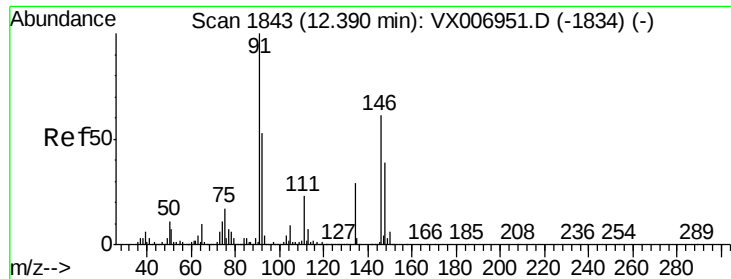
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#90  
Hexachloroethane  
Concen: 51.902 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. 0.00 min  
Lab File: VX007257.D  
Acq: 28 Jan 2019 13:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 91.3  | 42.9  | 128.7 |





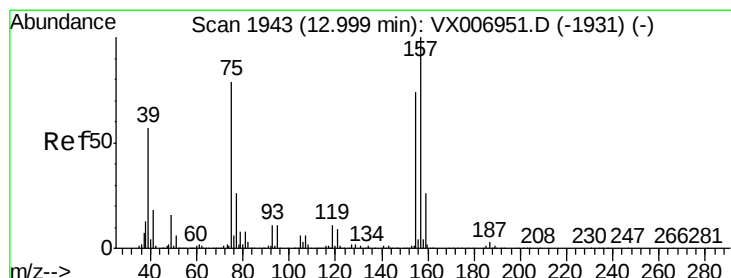
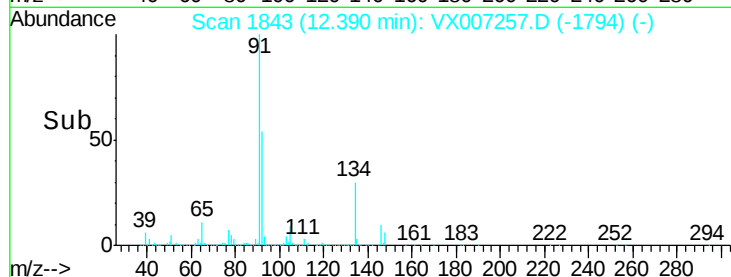
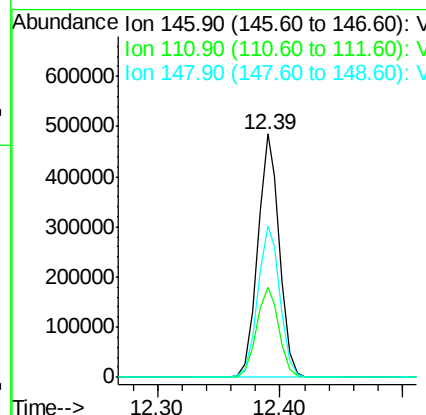
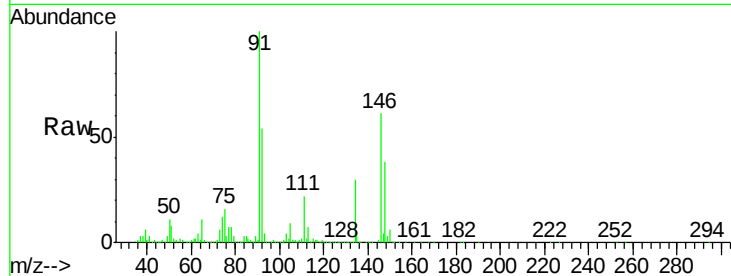
#91  
 1,2-Dichlorobenzene  
 Concen: 50.169 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. 0.00 min  
 Lab File: VX007257.D  
 Acq: 28 Jan 2019 13:31

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.2  | 19.4  | 58.2  |
| 148     | 63.9  | 32.3  | 96.9  |

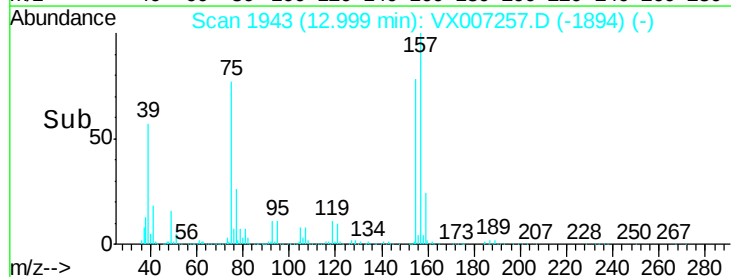
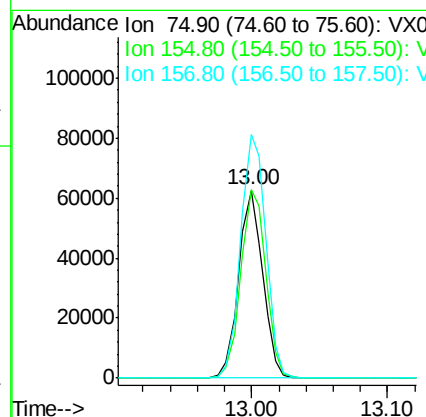
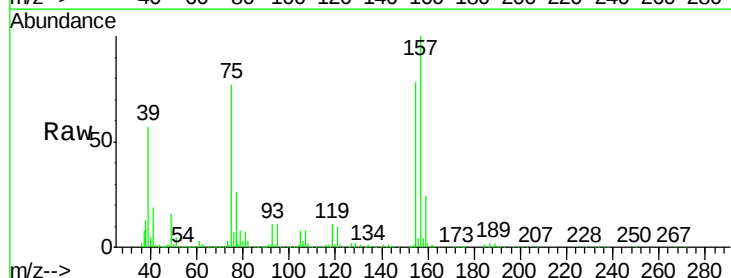
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 50.998 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VX007257.D  
 Acq: 28 Jan 2019 13:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 103.5 | 50.6  | 151.8 |
| 157     | 134.6 | 64.6  | 193.8 |





#93

1,2,4-Trichlorobenzene

Concen: 52.573 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

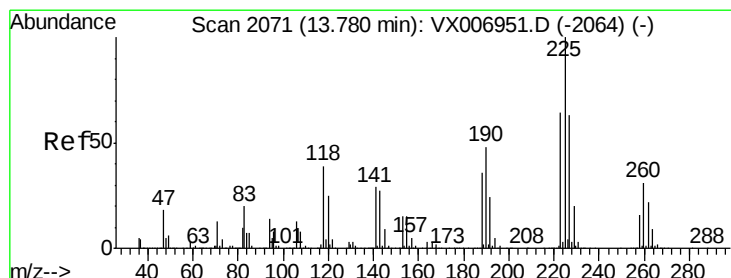
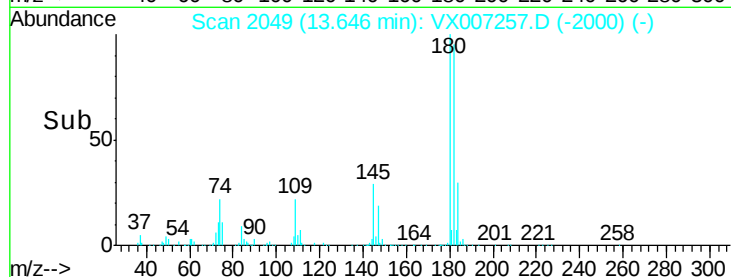
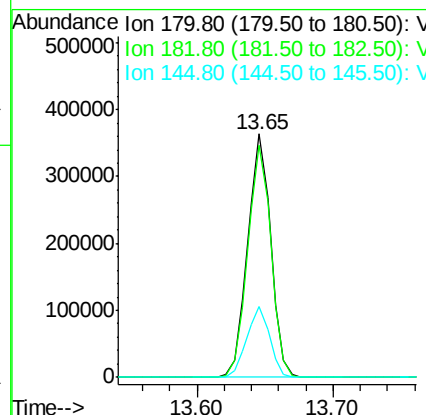
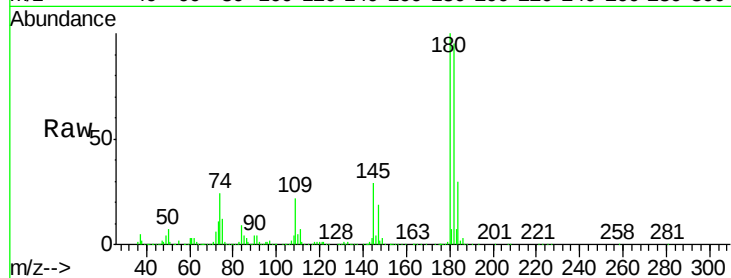
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 430214 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.1  | 47.3  | 142.0  |
| 145       | 28.9  | 14.8  | 44.3   |

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#94

Hexachlorobutadiene

Concen: 56.803 ug/l

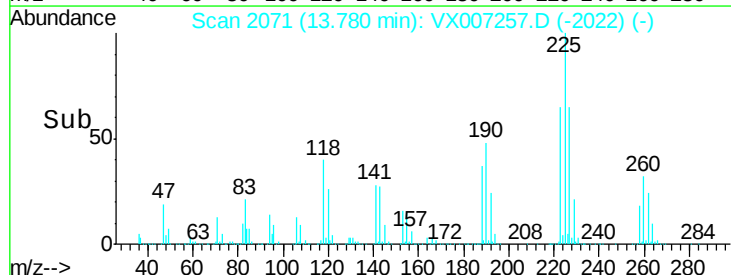
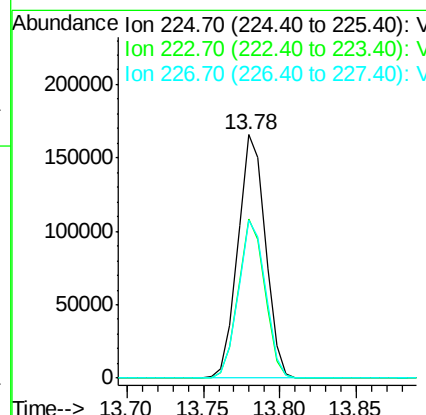
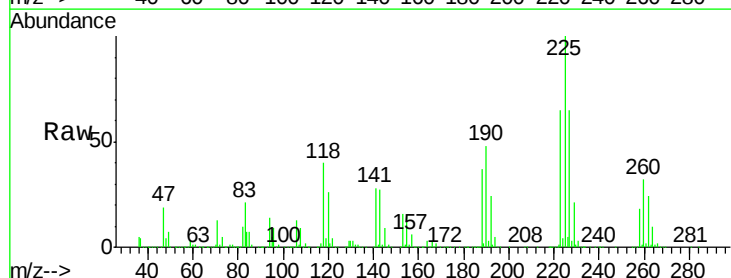
RT: 13.78 min Scan# 2071

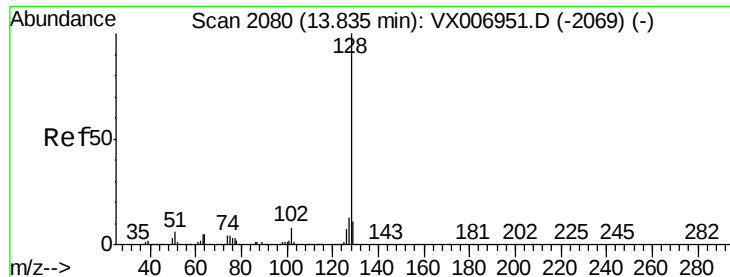
Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 206274 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 63.1  | 32.1  | 96.3   |
| 227       | 64.1  | 32.3  | 96.8   |





#95

Naphthalene

Concen: 51.504 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

Instrument :

MSVOA\_X

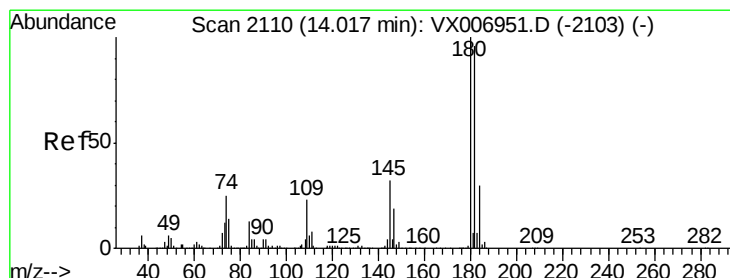
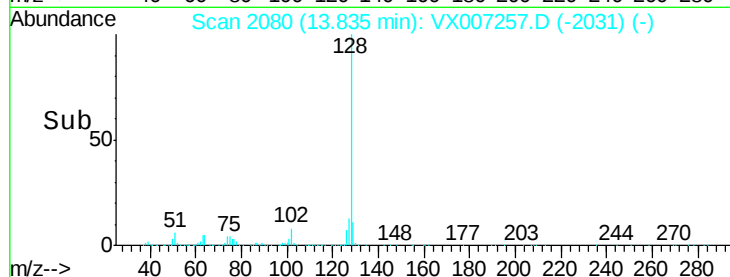
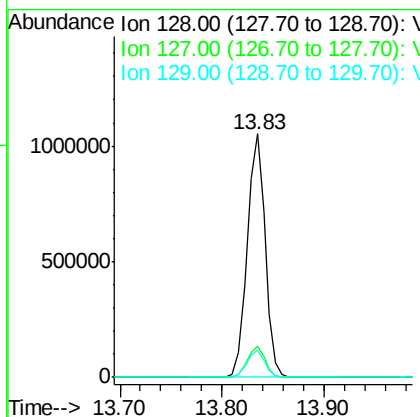
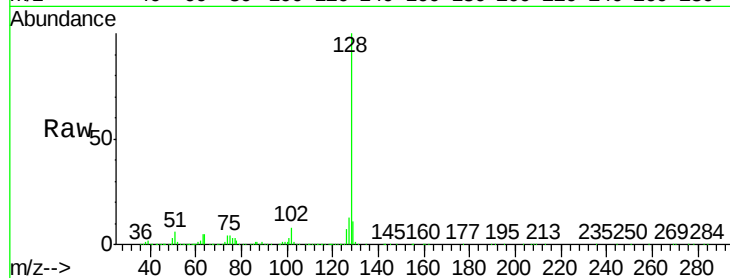
ClientSampleId :

VSTDCCC050

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 128   | Resp: | 1277120 |
| Ion      | Ratio | Lower | Upper   |
| 128      | 100   |       |         |
| 127      | 12.9  | 10.1  | 15.1    |
| 129      | 10.9  | 8.6   | 13.0    |

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#96

1,2,3-Trichlorobenzene

Concen: 51.861 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007257.D

Acq: 28 Jan 2019 13:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 421579 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 96.3  | 48.5  | 145.5  |
| 145      | 30.5  | 16.0  | 47.9   |

