

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY013120\  
 Data File : VY001445.D  
 Acq On : 31 Jan 2020 10:59  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 2/3/2020 10:53:03 AM

Quant Time: Jan 31 13:34:48 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 23 01:21:47 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.82  | 168  | 186463   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.72  | 114  | 328678   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.51 | 117  | 291111   | 50.00 | ug/l  | 0.01     |
| 72) 1,4-Dichlorobenzene-d4 | 13.44 | 152  | 139476   | 50.00 | ug/l  | 0.01     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.18   | 65  | 101454   | 50.00 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.00% |      |
| 35) Dibromofluoromethane  | 7.75   | 113 | 95395    | 49.45 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.90%  |      |
| 50) Toluene-d8            | 10.20  | 98  | 391542   | 52.24 | ug/l    | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.48% |      |
| 62) 4-Bromofluorobenzene  | 12.50  | 95  | 148353   | 49.71 | ug/l    | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.42%  |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.92 | 85  | 63839   | 43.414  | ug/l | 99     |
| 3) Chloromethane              | 2.13 | 50  | 92282   | 41.523  | ug/l | 98     |
| 4) Vinyl Chloride             | 2.27 | 62  | 99658   | 43.006  | ug/l | 94     |
| 5) Bromomethane               | 2.68 | 94  | 65890   | 42.219  | ug/l | 99     |
| 6) Chloroethane               | 2.82 | 64  | 64786   | 43.752  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.15 | 101 | 136700  | 46.105  | ug/l | 95     |
| 8) Diethyl Ether              | 3.57 | 74  | 53453   | 42.707  | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.94 | 101 | 90640   | 48.004  | ug/l | 99     |
| 10) Methyl Iodide             | 4.13 | 142 | 108204  | 43.449  | ug/l | 99     |
| 11) Tert butyl alcohol        | 5.00 | 59  | 48708   | 185.986 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.91 | 96  | 88241   | 44.571  | ug/l | 95     |
| 13) Acrolein                  | 3.77 | 56  | 41360   | 276.189 | ug/l | 100    |
| 14) Allyl chloride            | 4.52 | 41  | 160127  | 45.355  | ug/l | 99     |
| 15) Acrylonitrile             | 5.21 | 53  | 144019  | 224.792 | ug/l | 99     |
| 16) Acetone                   | 3.99 | 43  | 150017  | 281.631 | ug/l | 97     |
| 17) Carbon Disulfide          | 4.23 | 76  | 256062  | 41.125  | ug/l | 100    |
| 18) Methyl Acetate            | 4.52 | 43  | 73323   | 42.853  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.27 | 73  | 255769  | 44.123  | ug/l | 99     |
| 20) Methylene Chloride        | 4.76 | 84  | 102528  | 40.080  | ug/l | 95     |
| 21) trans-1,2-Dichloroethene  | 5.27 | 96  | 100551  | 43.724  | ug/l | 98     |
| 22) Diisopropyl ether         | 6.16 | 45  | 337610  | 45.032  | ug/l | 99     |
| 23) Vinyl Acetate             | 6.10 | 43  | 1102399 | 226.498 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.07 | 63  | 178290  | 45.118  | ug/l | 97     |
| 25) 2-Butanone                | 7.03 | 43  | 210593  | 238.464 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 7.02 | 77  | 160298  | 45.540  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 7.02 | 96  | 115479  | 44.932  | ug/l | 99     |
| 28) Bromochloromethane        | 7.37 | 49  | 93639   | 57.459  | ug/l | 97     |
| 29) Tetrahydrofuran           | 7.38 | 42  | 125411  | 218.277 | ug/l | 99     |
| 30) Chloroform                | 7.54 | 83  | 172754  | 44.601  | ug/l | 100    |
| 31) Cyclohexane               | 7.82 | 56  | 174419  | 44.455  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.74 | 97  | 150845  | 46.123  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 7.95 | 75  | 141041  | 45.421  | ug/l | 99     |
| 37) Ethyl Acetate             | 7.11 | 43  | 83399   | 43.959  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 7.94 | 117 | 128712  | 46.510  | ug/l | 97     |

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 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 2/3/2020 10:53:03 AM

Quant Time: Jan 31 13:34:48 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 23 01:21:47 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.21  | 83   | 184038   | 46.265  | ug/l   | 97       |
| 40) Benzene                    | 8.19  | 78   | 419182   | 45.022  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.35  | 41   | 44398m   | 45.350  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.27  | 62   | 114178   | 43.888  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.30  | 43   | 168067   | 45.559  | ug/l   | 100      |
| 44) Trichloroethene            | 8.97  | 130  | 105311   | 44.077  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.24  | 63   | 108771   | 46.213  | ug/l   | 97       |
| 46) Dibromomethane             | 9.33  | 93   | 56452    | 44.676  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.52  | 83   | 137033   | 45.366  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.32  | 41   | 74597    | 44.481  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.33  | 88   | 14674    | 823.504 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone       | 10.09 | 43   | 432780   | 227.803 | ug/l   | 99       |
| 52) Toluene                    | 10.27 | 92   | 270388   | 45.813  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.49 | 75   | 153194   | 45.756  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.95  | 75   | 175506   | 45.671  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.66 | 97   | 84349    | 45.227  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.53 | 69   | 128566   | 45.610  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.81 | 76   | 147529   | 45.410  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.80  | 63   | 215427   | 220.856 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.85 | 43   | 325146   | 245.841 | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.00 | 129  | 94069    | 45.097  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.11 | 107  | 80095    | 45.428  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.74 | 164  | 85073    | 45.750  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.53 | 112  | 277238   | 45.181  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.61 | 131  | 97474    | 46.547  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.61 | 91   | 522197   | 46.178  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.72 | 106  | 390124   | 92.369  | ug/l   | 100      |
| 69) o-Xylene                   | 12.05 | 106  | 185990   | 45.776  | ug/l   | 100      |
| 70) Styrene                    | 12.06 | 104  | 330299   | 46.333  | ug/l   | 99       |
| 71) Bromoform                  | 12.22 | 173  | 56275    | 45.019  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.35 | 105  | 508498   | 46.203  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.16 | 43   | 164505   | 45.663  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.60 | 83   | 108633   | 46.089  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.65 | 75   | 72385m   | 43.068  | ug/l   |          |
| 77) Bromobenzene               | 12.63 | 156  | 109361   | 44.863  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.69 | 91   | 620063   | 46.807  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.77 | 91   | 344404   | 45.509  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.83 | 105  | 424721   | 46.232  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.39 | 75   | 40798    | 45.937  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.87 | 91   | 362162   | 44.801  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.09 | 119  | 356582   | 46.047  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.14 | 105  | 421361   | 45.684  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.27 | 105  | 523902   | 47.618  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.38 | 119  | 457494   | 47.185  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.38 | 146  | 213222   | 45.417  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.46 | 146  | 214799   | 45.061  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.71 | 91   | 464154   | 47.567  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.97 | 117  | 88096    | 47.935  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.75 | 146  | 194340   | 44.885  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.38 | 75   | 18357    | 45.133  | ug/l   | 96       |

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Acq On : 31 Jan 2020 10:59  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

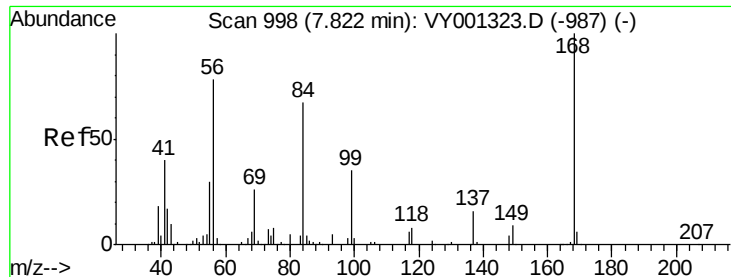
MMDadoda  
2/3/2020 10:53:03 AM

Quant Time: Jan 31 13:34:48 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 23 01:21:47 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.02 | 180  | 128764   | 44.311 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.13 | 225  | 64110    | 45.309 | ug/l  | 97       |
| 95) Naphthalene            | 15.25 | 128  | 303015   | 45.603 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.44 | 180  | 113934   | 44.696 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 186463

Ion Ratio Lower Upper

168 100

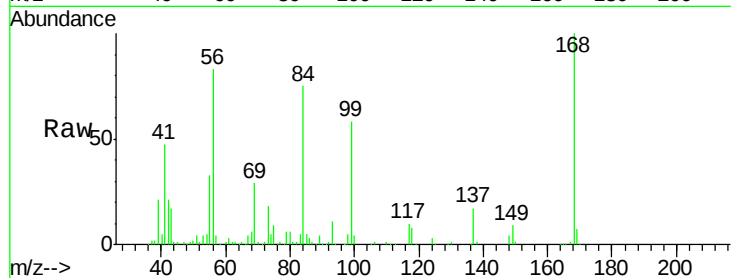
99 57.6 44.3 66.5

Manual Integrations

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2/3/2020 10:53:03 AM



Abundance Ion 167.90 (167.60 to 168.60): VY001323.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001323.D (-987) (-)

7.82

80000

60000

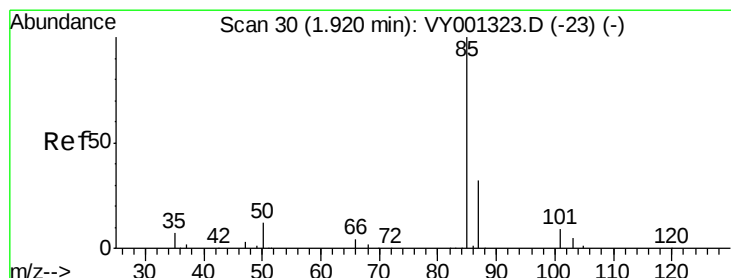
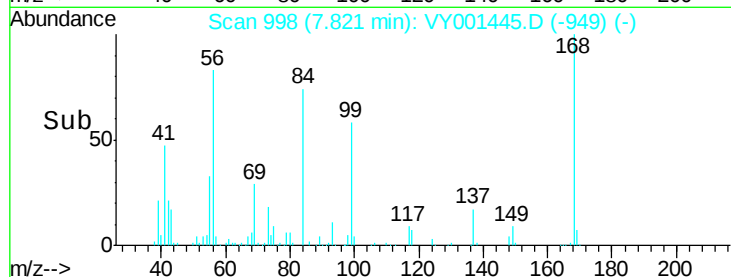
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 43.414 ug/l

RT: 1.92 min Scan# 30

Delta R.T. -0.00 min

Lab File: VY001445.D

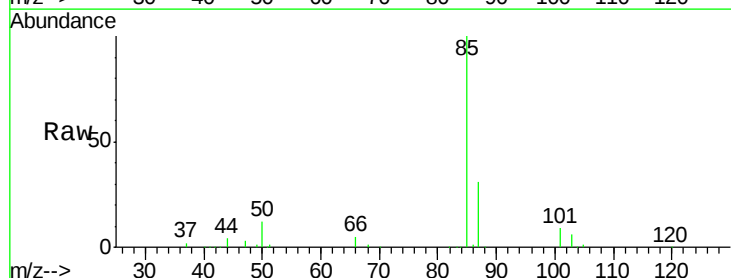
Acq: 31 Jan 2020 10:59

Tgt Ion: 85 Resp: 63839

Ion Ratio Lower Upper

85 100

87 31.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY001323.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001323.D (-23) (-)

1.92

50000

40000

30000

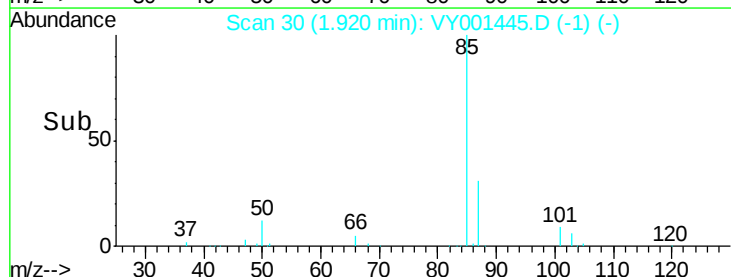
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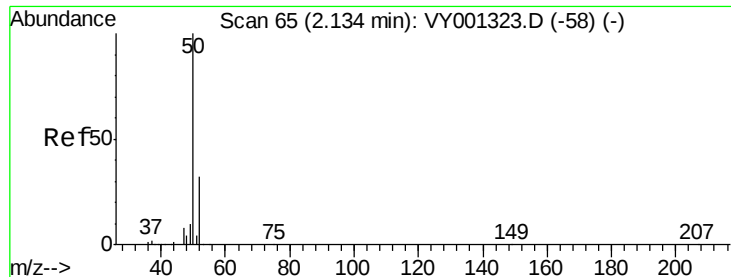
10000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 41.523 ug/l

RT: 2.13 min Scan# 65

Delta R.T. -0.00 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 92282

Ion Ratio Lower Upper

50 100

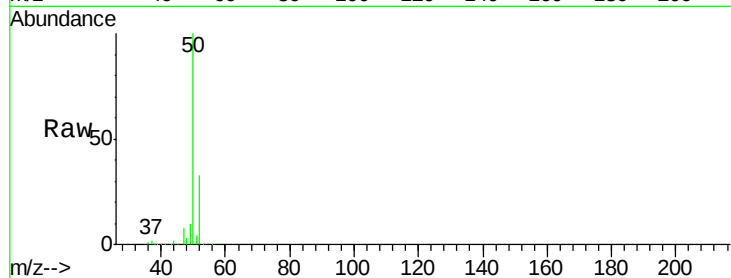
52 33.0 25.7 38.5

Manual Integrations

APPROVED

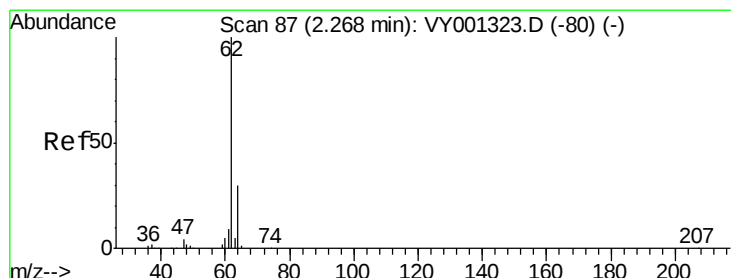
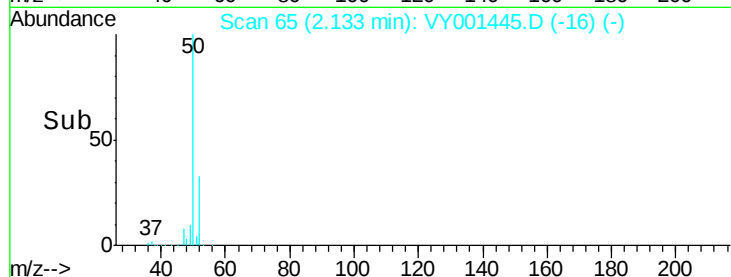
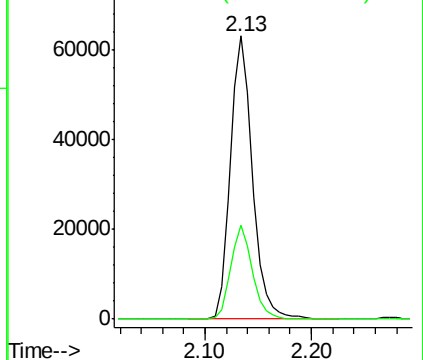
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2/3/2020 10:53:03 AM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 43.006 ug/l

RT: 2.27 min Scan# 88

Delta R.T. 0.01 min

Lab File: VY001445.D

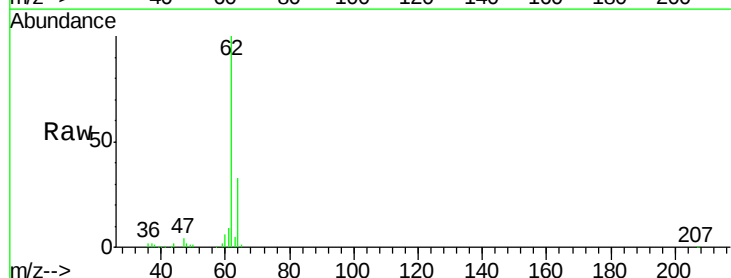
Acq: 31 Jan 2020 10:59

Tgt Ion: 62 Resp: 99658

Ion Ratio Lower Upper

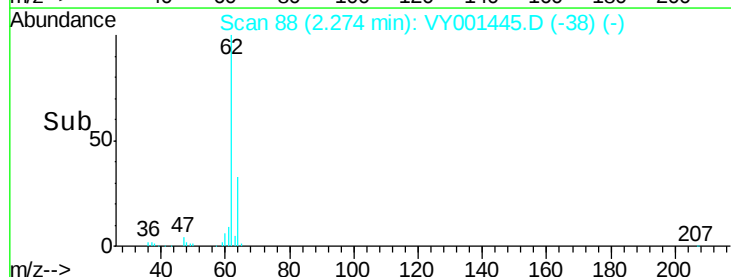
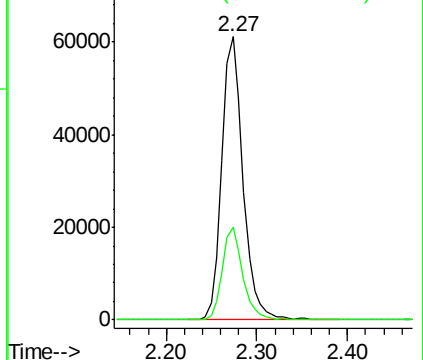
62 100

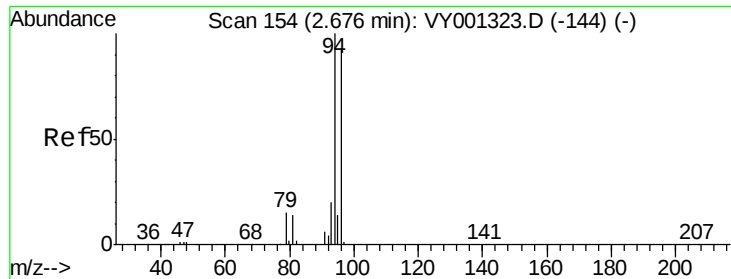
64 32.9 23.9 35.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 42.219 ug/l

RT: 2.68 min Scan# 154

Delta R.T. -0.00 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 65890

Ion Ratio Lower Upper

94 100

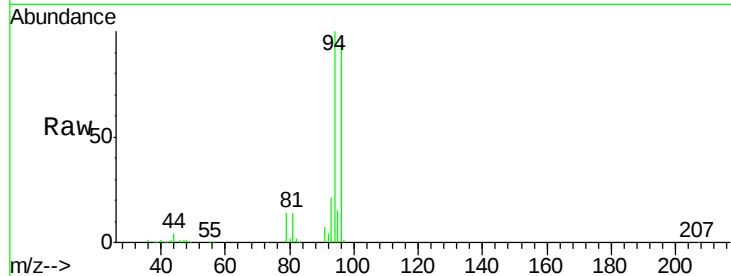
96 94.0 74.6 111.8

Manual Integrations

APPROVED

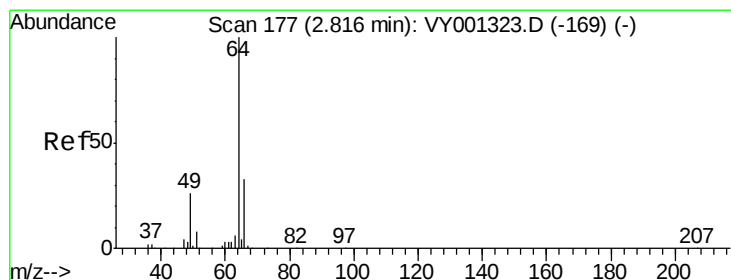
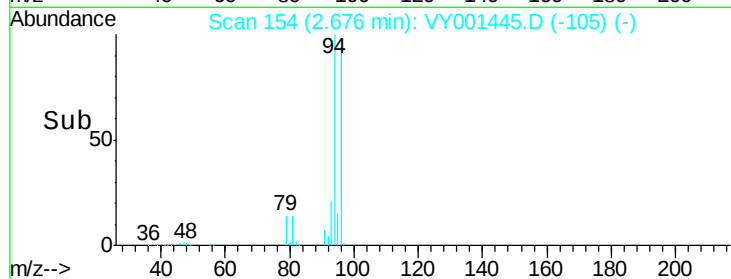
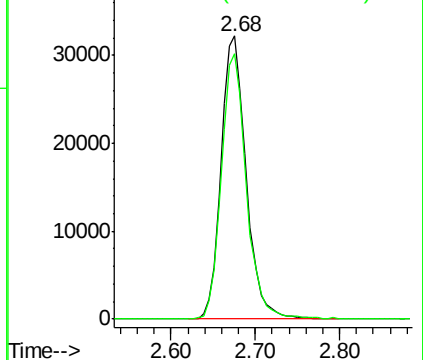
MMDadoda

2/3/2020 10:53:03 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 43.752 ug/l

RT: 2.82 min Scan# 178

Delta R.T. 0.01 min

Lab File: VY001445.D

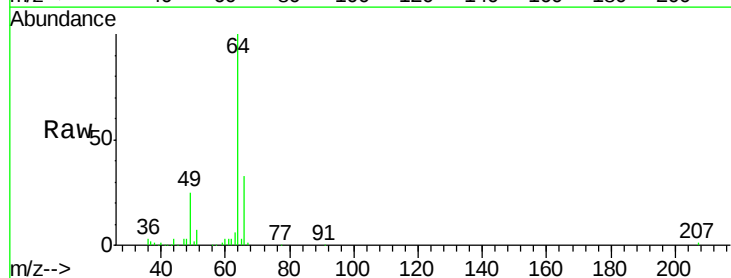
Acq: 31 Jan 2020 10:59

Tgt Ion: 64 Resp: 64786

Ion Ratio Lower Upper

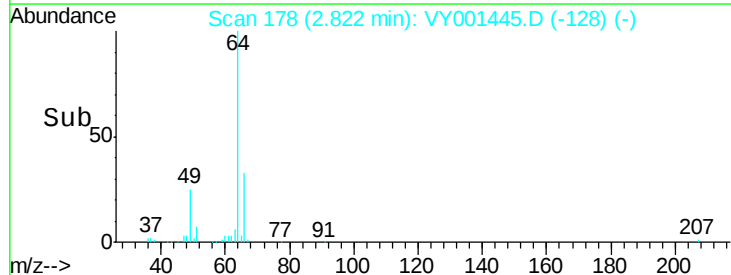
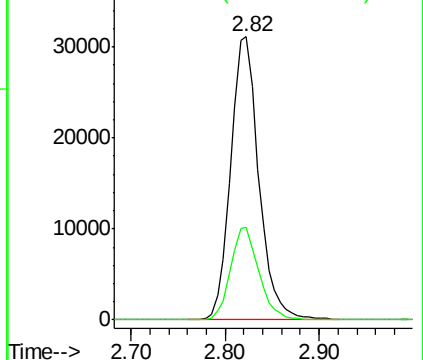
64 100

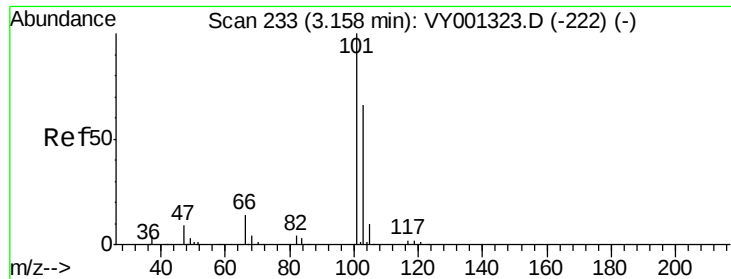
66 32.8 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

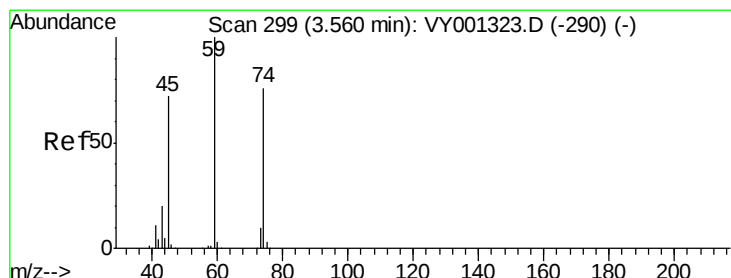
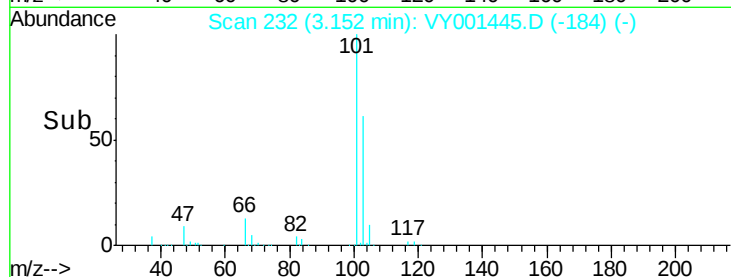
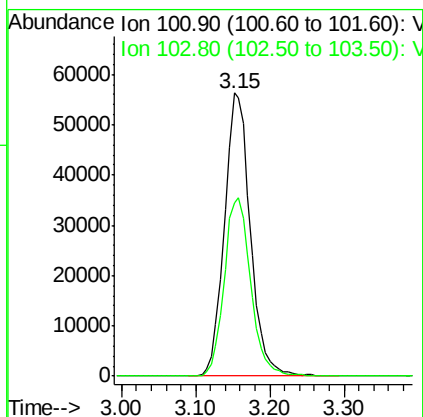
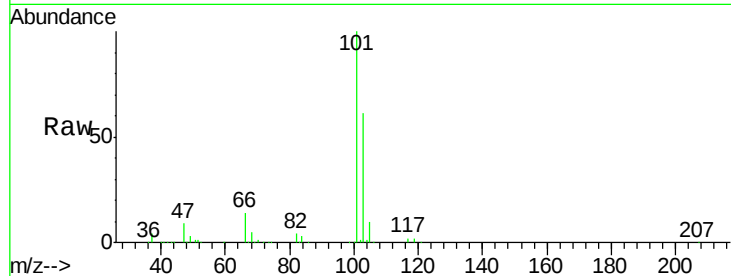
Trichlorofluoromethane  
Concen: 46.105 ug/l  
RT: 3.15 min Scan# 232  
Delta R.T. -0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 61.3  | 52.5  | 78.7  |

Manual Integrations  
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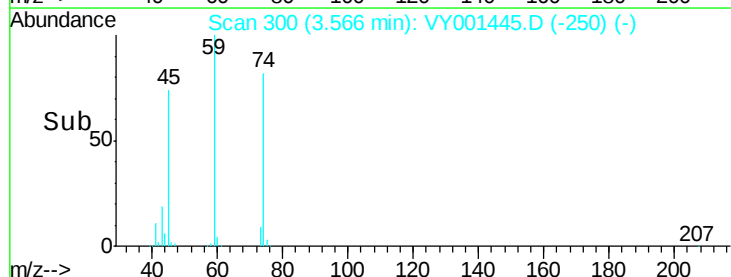
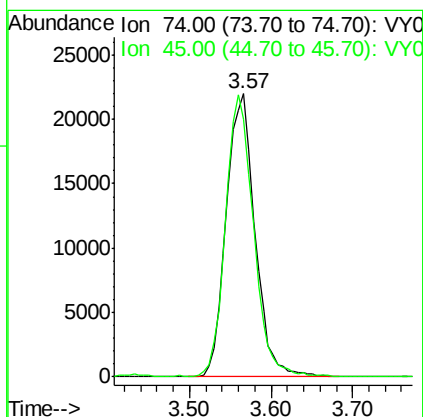
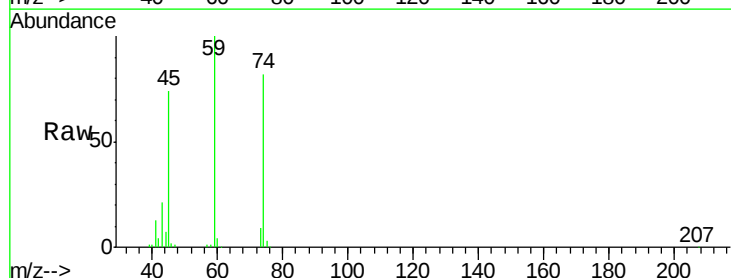
MMDadoda  
2/3/2020 10:53:03 AM



#8

Diethyl Ether  
Concen: 42.707 ug/l  
RT: 3.57 min Scan# 300  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 97.4  | 47.2  | 141.6 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.004 ug/l

RT: 3.94 min Scan# 361

Delta R.T. -0.00 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA\_Y

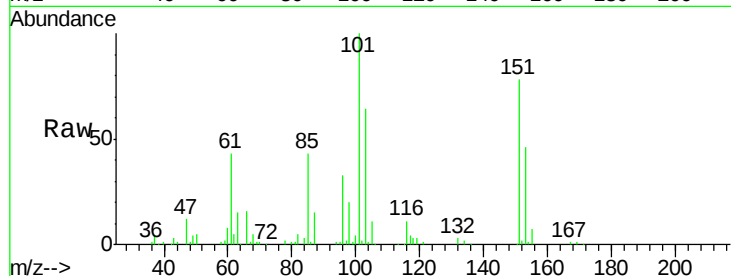
ClientSampleId :

VSTDCCC050

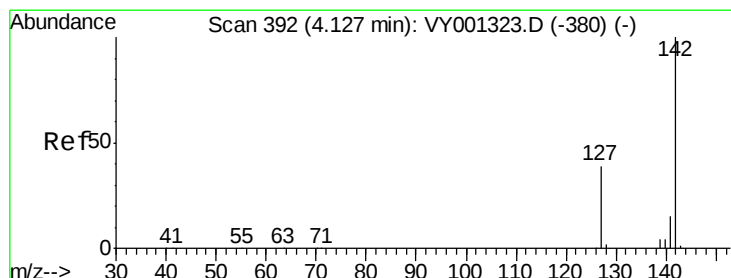
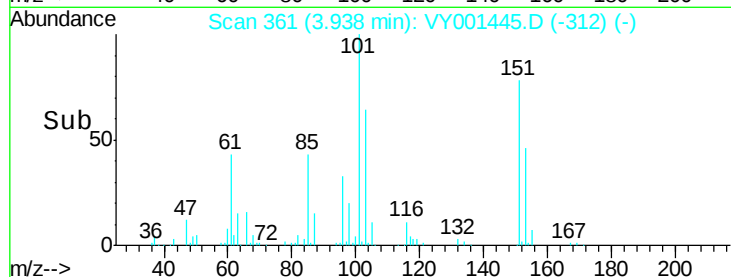
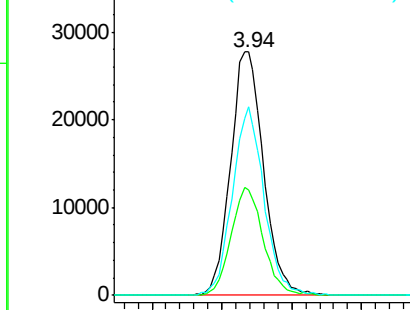
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 90640 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.2  | 34.9  | 52.3  |
| 151       | 74.4  | 59.9  | 89.9  |

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Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): VY0  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.449 ug/l

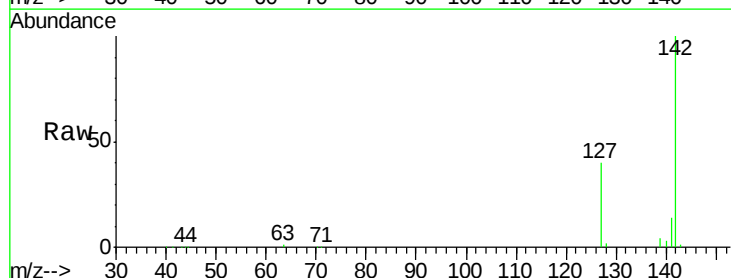
RT: 4.13 min Scan# 393

Delta R.T. 0.01 min

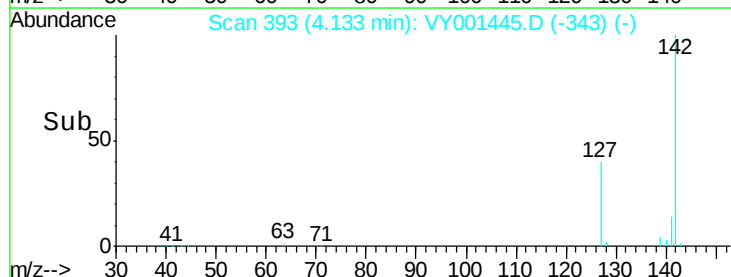
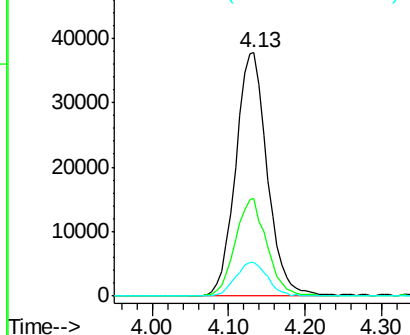
Lab File: VY001445.D

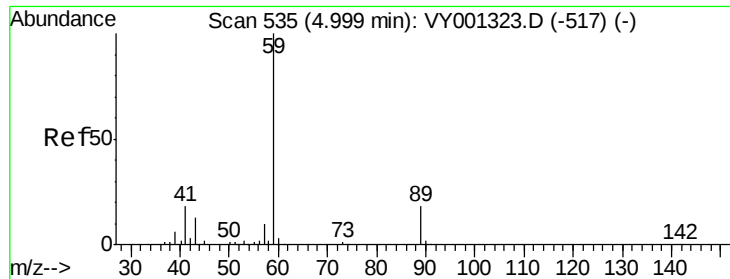
Acq: 31 Jan 2020 10:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 108204 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 40.2  | 31.6  | 47.4   |
| 141       | 14.2  | 11.2  | 16.8   |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





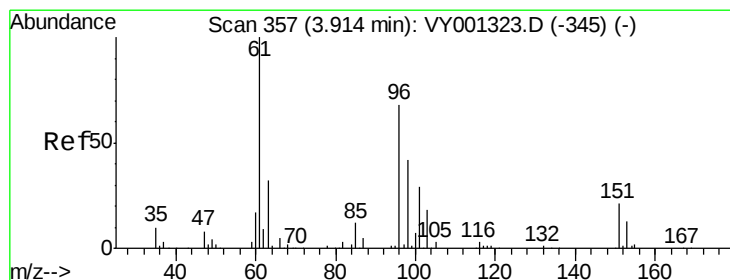
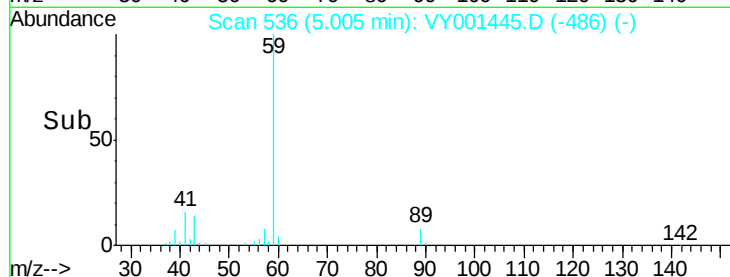
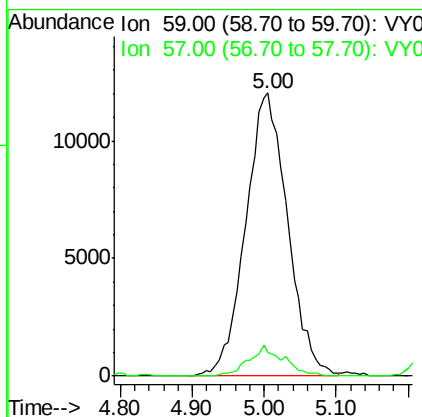
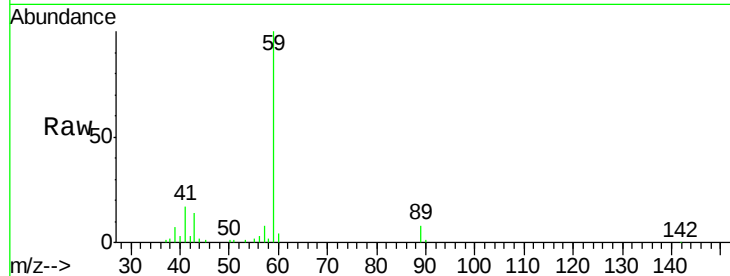
#11  
Tert butyl alcohol  
Concen: 185.986 ug/l  
RT: 5.00 min Scan# 536  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.0   | 7.4   | 11.2  |

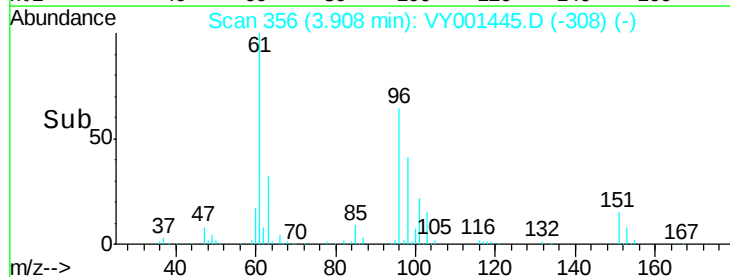
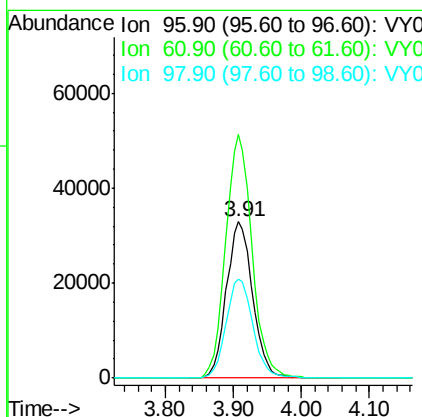
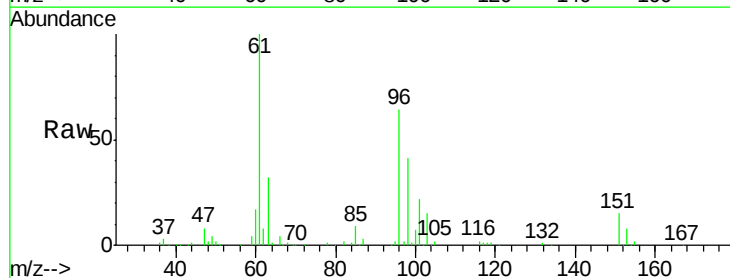
Manual Integrations  
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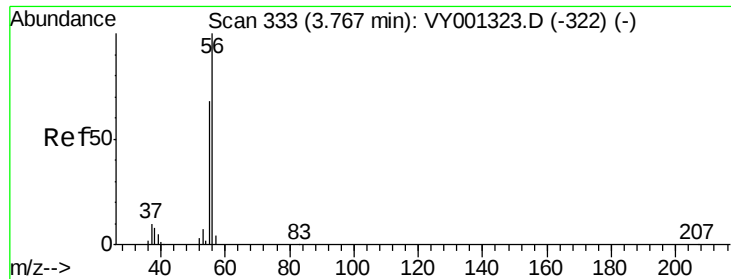
MMDadoda  
2/3/2020 10:53:03 AM



#12  
1,1-Dichloroethene  
Concen: 44.571 ug/l  
RT: 3.91 min Scan# 356  
Delta R.T. -0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 155.8 | 118.0 | 177.0 |
| 98      | 63.6  | 49.4  | 74.2  |





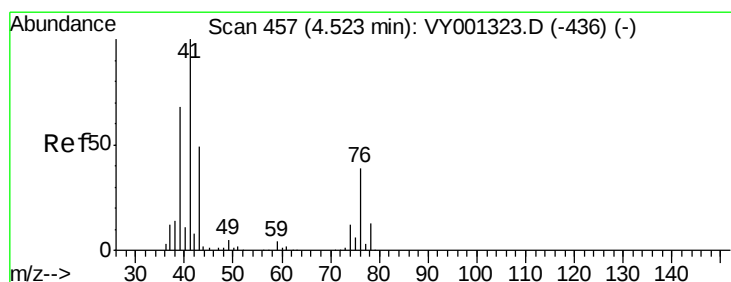
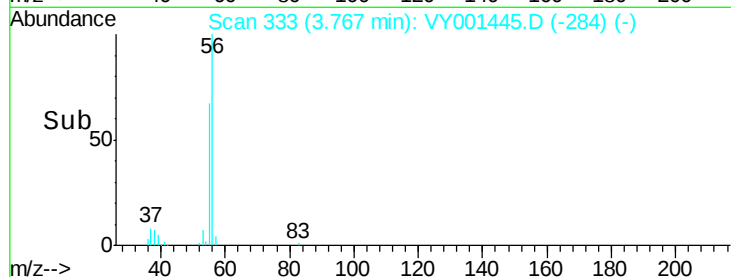
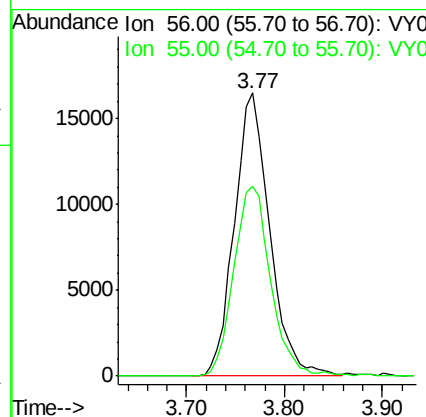
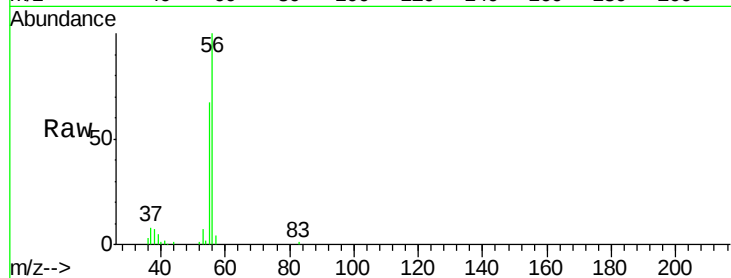
#13  
Acrolein  
Concen: 276.189 ug/l  
RT: 3.77 min Scan# 333  
Delta R.T. -0.00 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 70.0  | 55.9  | 83.9  |

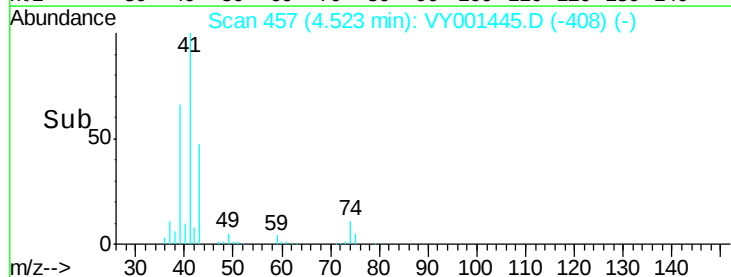
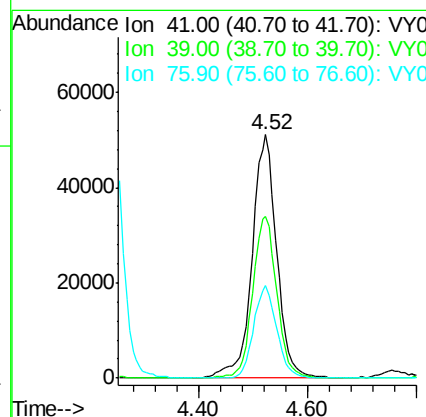
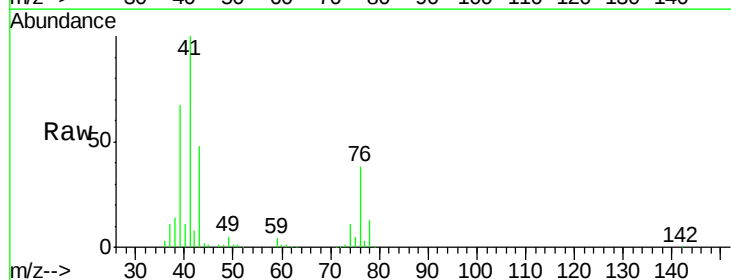
Manual Integrations  
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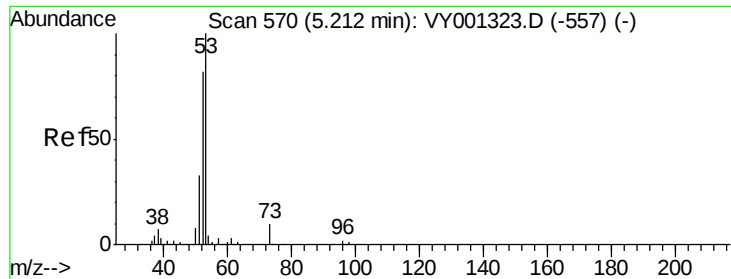
MMDadoda  
2/3/2020 10:53:03 AM



#14  
Allyl chloride  
Concen: 45.355 ug/l  
RT: 4.52 min Scan# 457  
Delta R.T. -0.00 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 65.2  | 52.2  | 78.4  |
| 76      | 35.7  | 29.1  | 43.7  |





#15

Acrylonitrile

Concen: 224.792 ug/l

RT: 5.21 min Scan# 570

Delta R.T. -0.00 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA\_Y

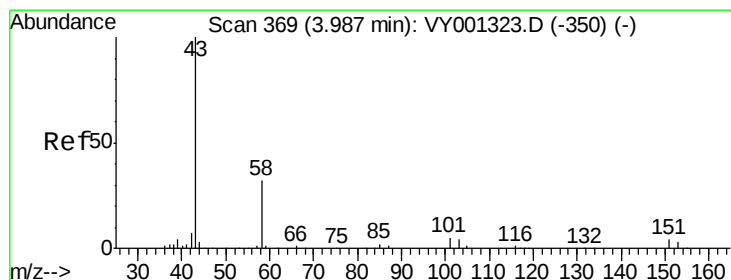
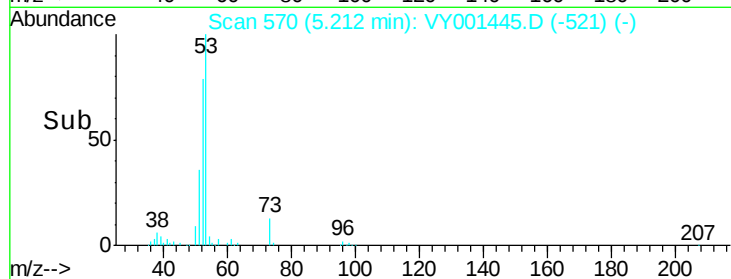
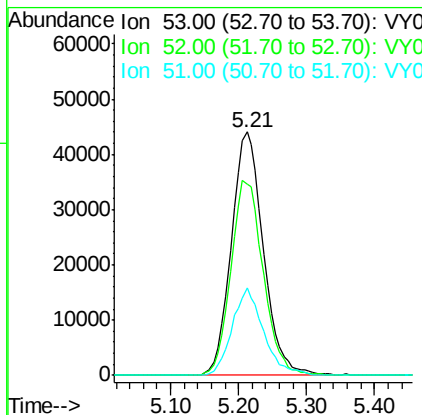
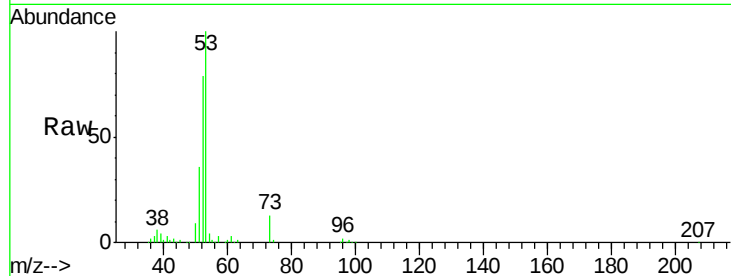
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 144019 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 80.9  | 65.3  | 97.9   |
| 51       | 35.3  | 28.4  | 42.6   |

Manual Integrations  
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MMDadoda  
2/3/2020 10:53:03 AM



#16

Acetone

Concen: 281.631 ug/l

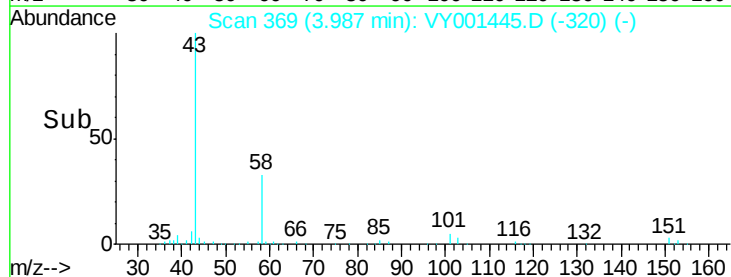
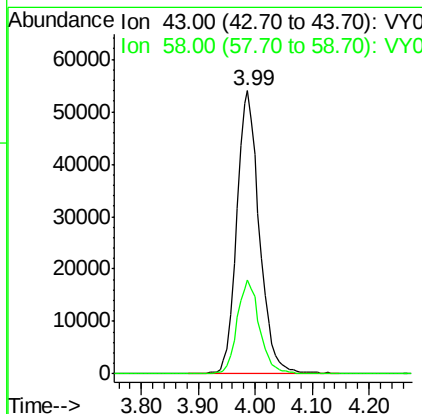
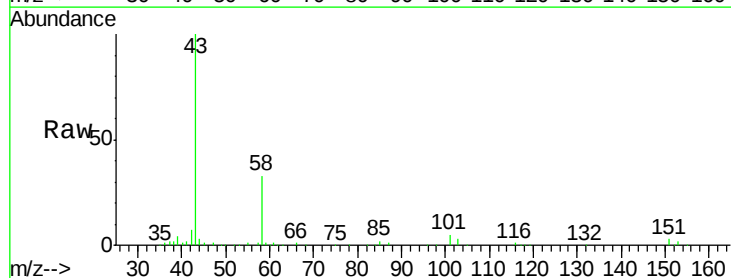
RT: 3.99 min Scan# 369

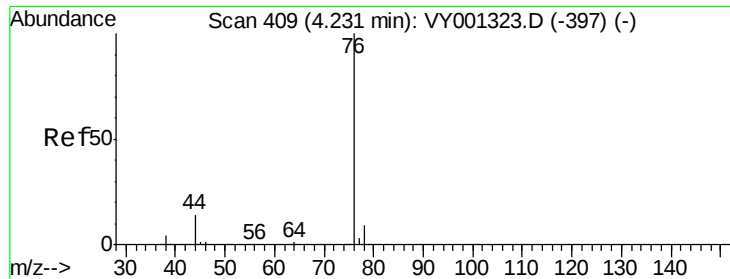
Delta R.T. -0.00 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 150017 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 33.2  | 25.4  | 38.0   |





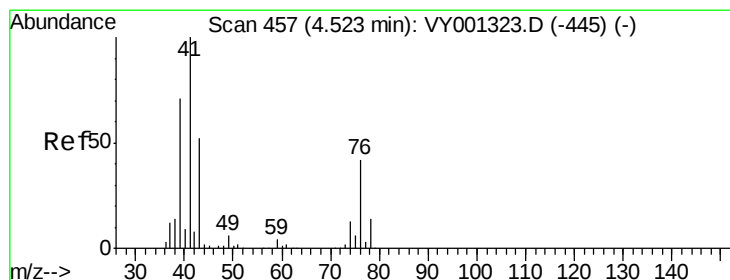
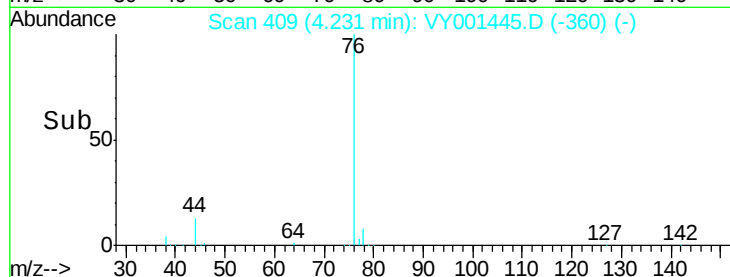
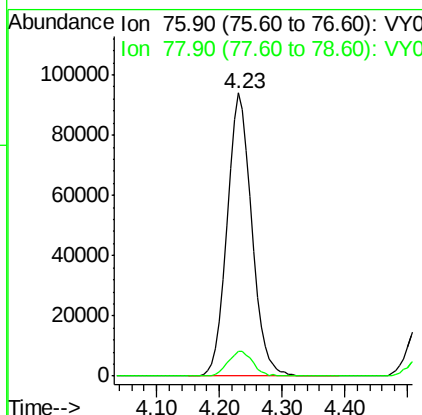
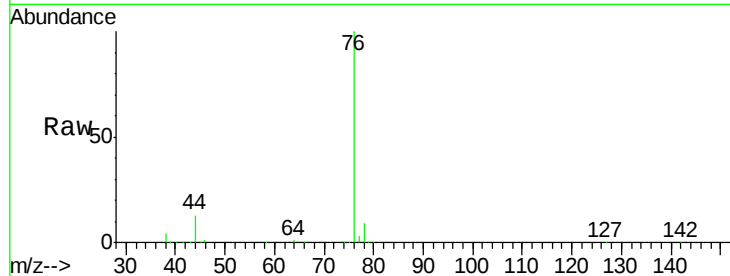
#17  
Carbon Disulfide  
Concen: 41.125 ug/l  
RT: 4.23 min Scan# 409  
Delta R.T. -0.00 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.8   | 7.0   | 10.6  |

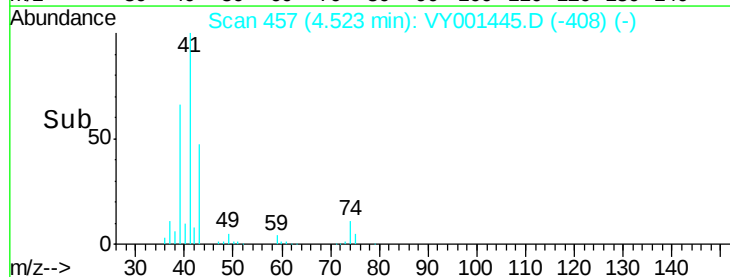
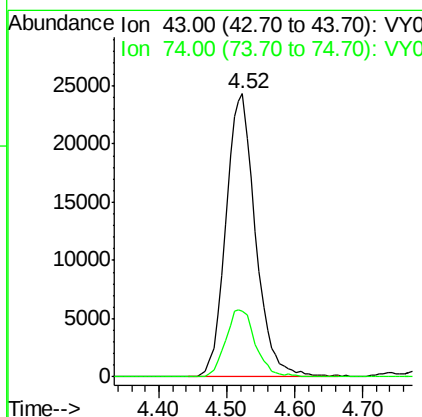
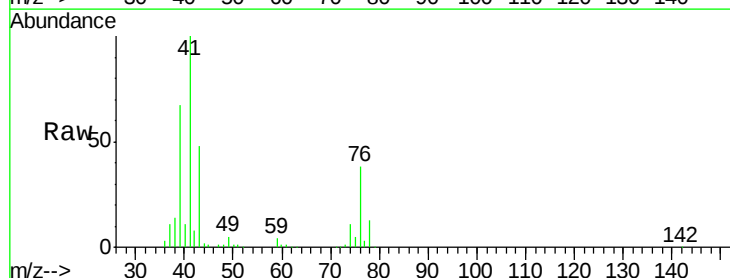
Manual Integrations  
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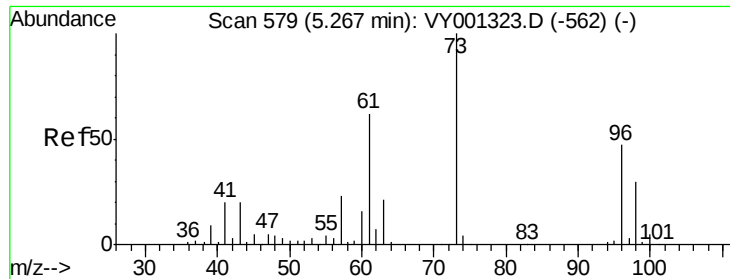
MMDadoda  
2/3/2020 10:53:03 AM



#18  
Methyl Acetate  
Concen: 42.853 ug/l  
RT: 4.52 min Scan# 457  
Delta R.T. -0.00 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.8  | 19.4  | 29.2  |





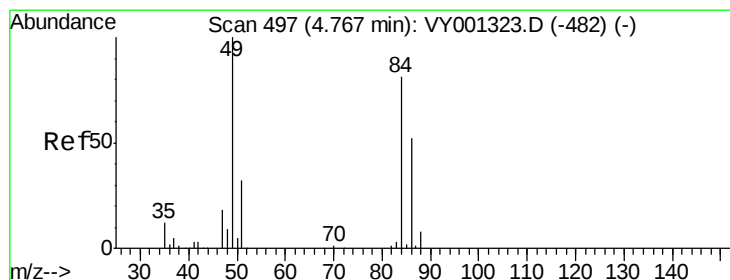
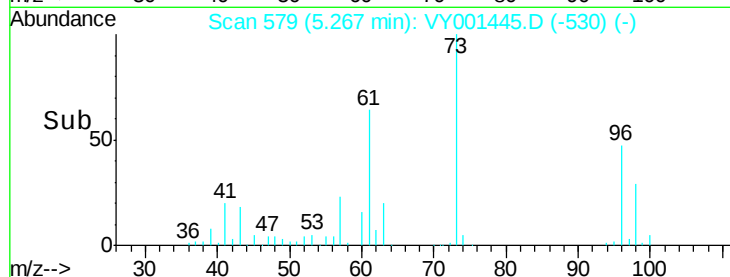
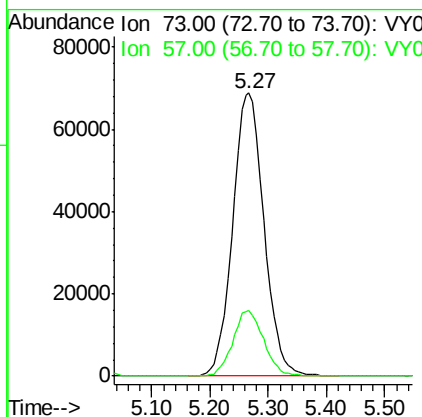
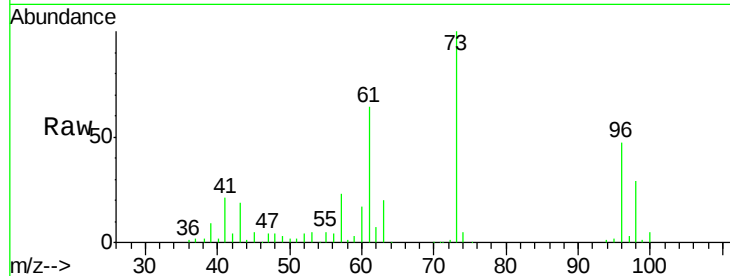
#19  
Methyl tert-butyl Ether  
Concen: 44.123 ug/l  
RT: 5.27 min Scan# 579  
Delta R.T. -0.00 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 255769  
Ion Ratio Lower Upper  
73 100  
57 23.3 18.2 27.2

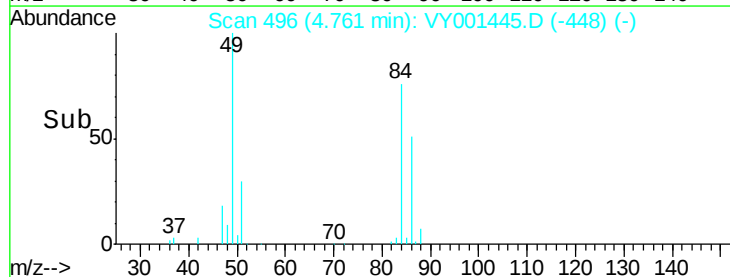
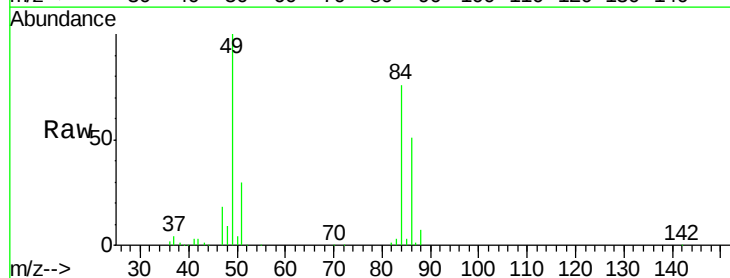
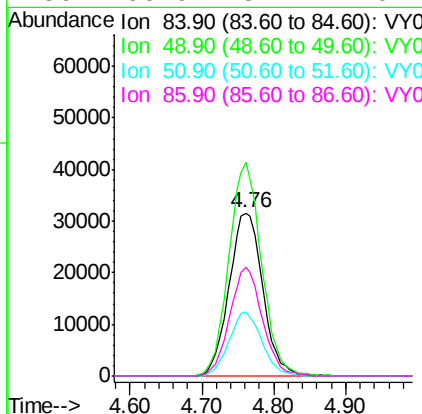
Manual Integrations  
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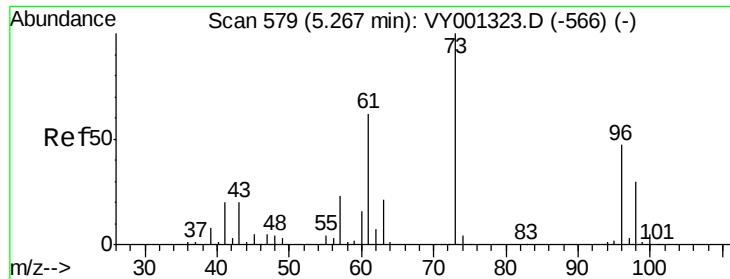
MMDadoda  
2/3/2020 10:53:03 AM



#20  
Methylene Chloride  
Concen: 40.080 ug/l  
RT: 4.76 min Scan# 496  
Delta R.T. -0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Tgt Ion: 84 Resp: 102528  
Ion Ratio Lower Upper  
84 100  
49 131.3 98.3 147.5  
51 39.2 31.6 47.4  
86 66.9 51.1 76.7





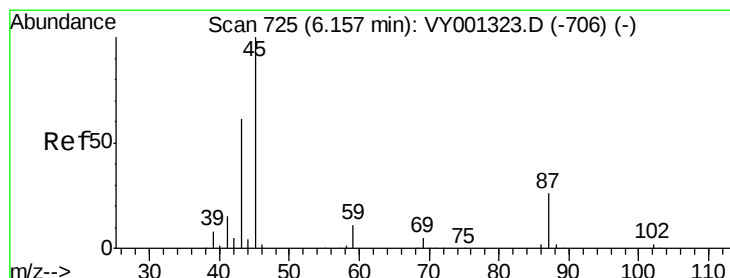
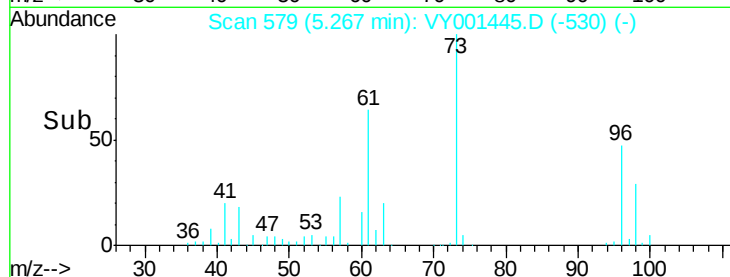
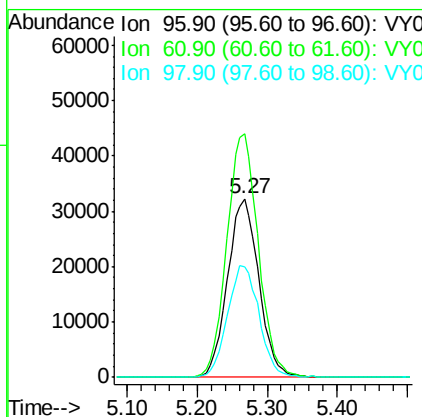
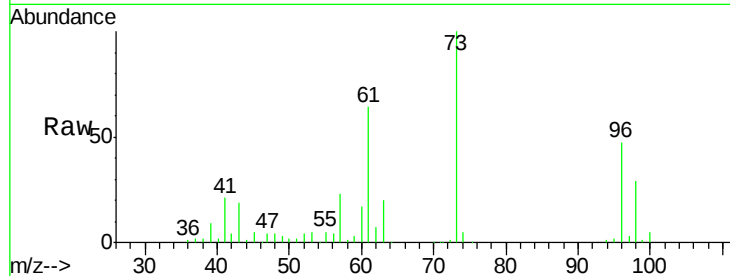
#21  
trans-1,2-Dichloroethene  
Concen: 43.724 ug/l  
RT: 5.27 min Scan# 579  
Delta R.T. -0.00 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 136.1 | 106.8 | 160.2 |
| 98      | 61.6  | 51.0  | 76.6  |

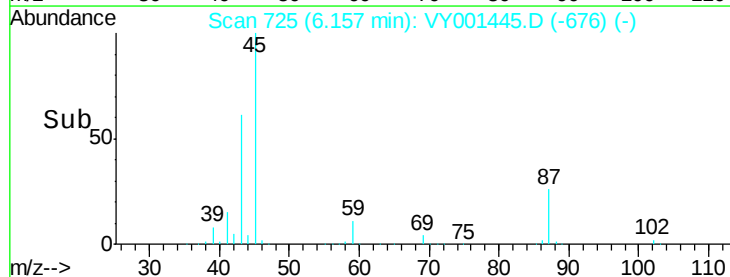
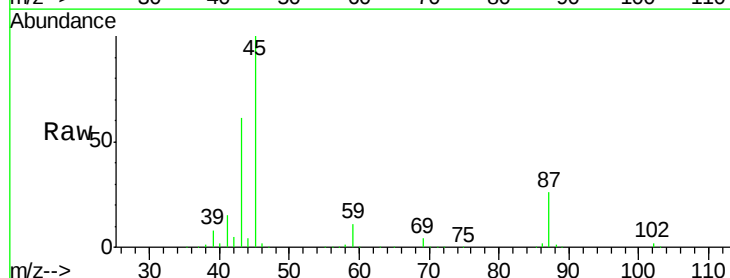
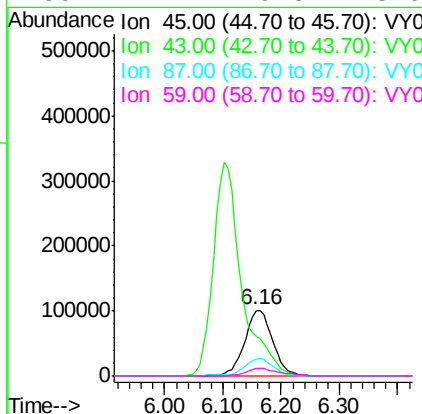
Manual Integrations  
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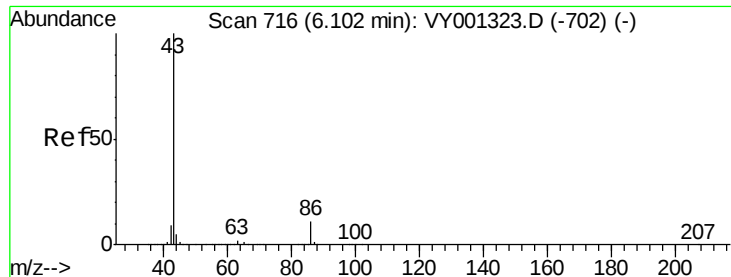
MMDadoda  
2/3/2020 10:53:03 AM



#22  
Diisopropyl ether  
Concen: 45.032 ug/l  
RT: 6.16 min Scan# 725  
Delta R.T. -0.00 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 60.9  | 49.2  | 73.8  |
| 87      | 26.3  | 21.4  | 32.2  |
| 59      | 11.1  | 9.3   | 13.9  |





#23

Vinyl Acetate

Concen: 226.498 ug/l

RT: 6.10 min Scan# 716

Delta R.T. -0.00 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1102399

Ion Ratio Lower Upper

43 100

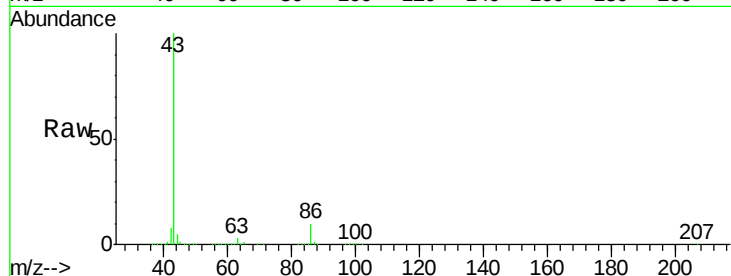
86 10.3 8.6 13.0

Manual Integrations

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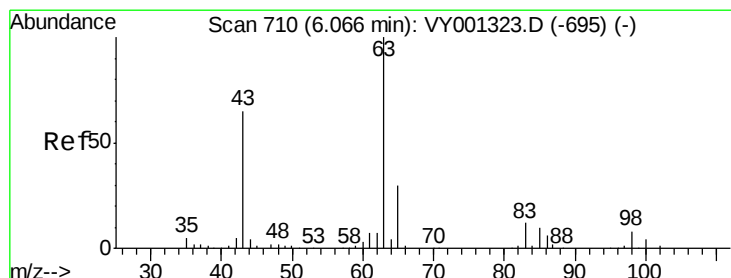
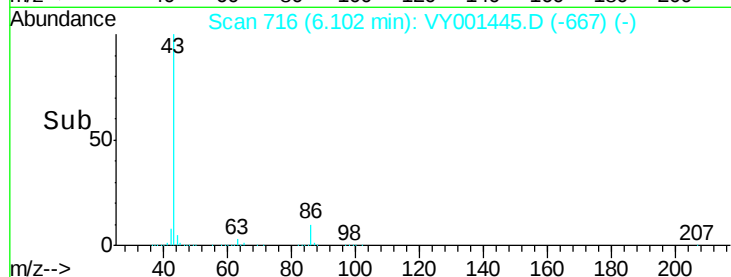
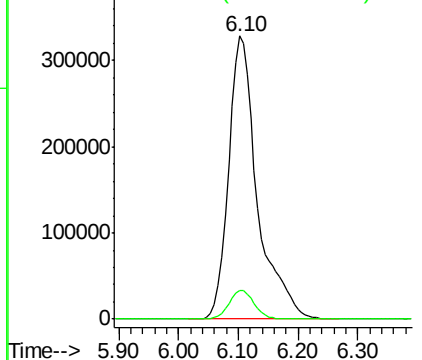
MMDadoda

2/3/2020 10:53:03 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 45.118 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

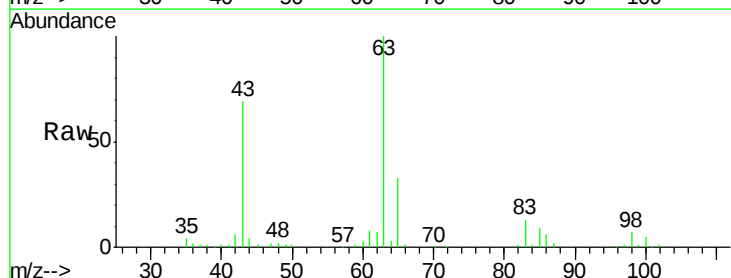
Tgt Ion: 63 Resp: 178290

Ion Ratio Lower Upper

63 100

98 7.0 4.0 12.0

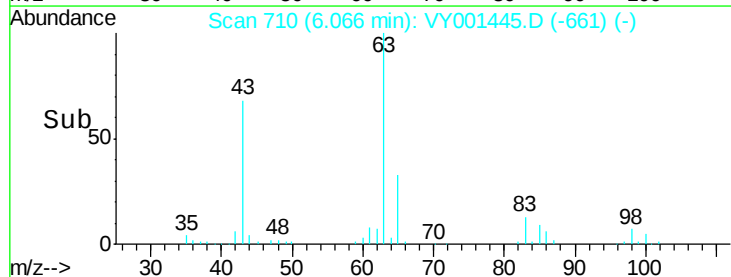
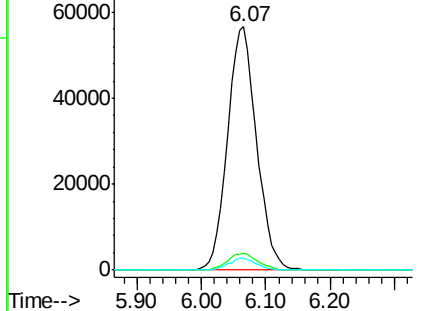
100 5.0 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





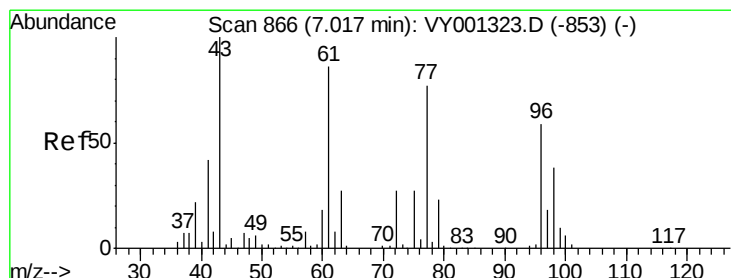
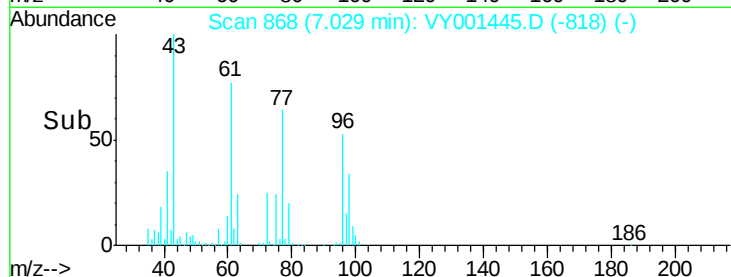
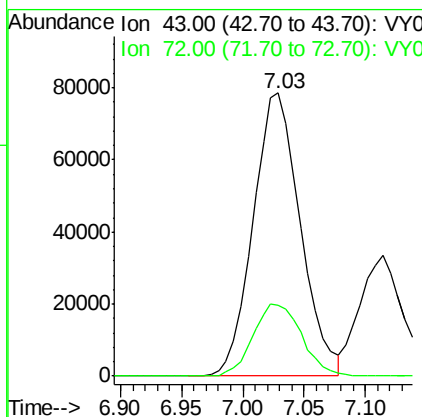
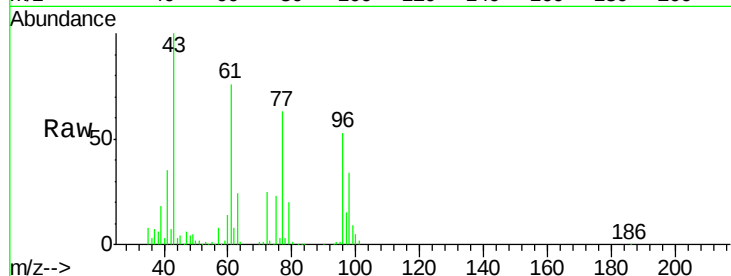
#25  
2-Butanone  
Concen: 238.464 ug/l  
RT: 7.03 min Scan# 868  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampled :  
VSTDCCC050

Tot Ion: 43 Resp: 210593  
Ion Ratio Lower Upper  
43 100  
72 24.9 20.6 31.0

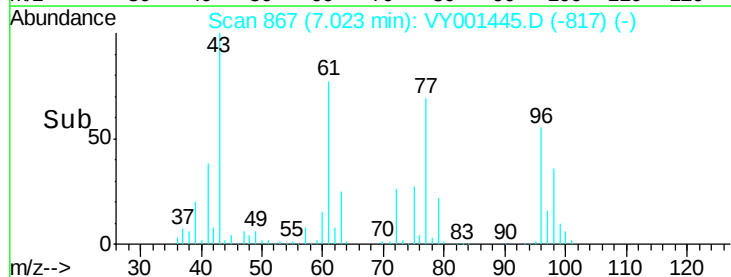
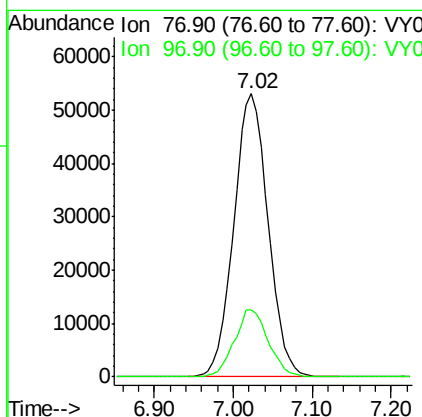
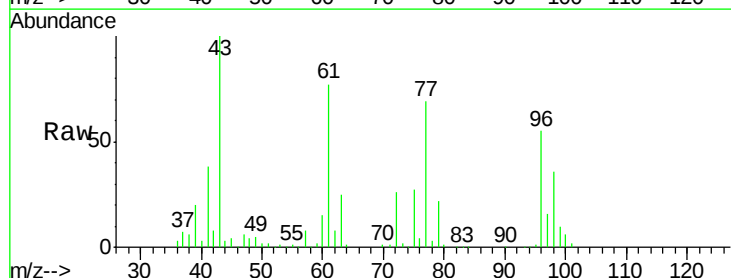
Manual Integrations  
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2/3/2020 10:53:03 AM



#26  
2,2-Dichloropropane  
Concen: 45.540 ug/l  
RT: 7.02 min Scan# 867  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Tgt Ion: 77 Resp: 160298  
Ion Ratio Lower Upper  
77 100  
97 23.6 11.9 35.5





#27

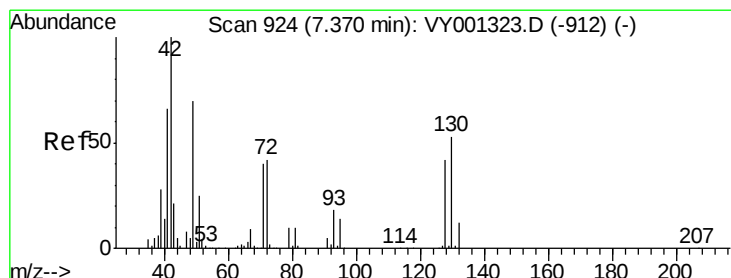
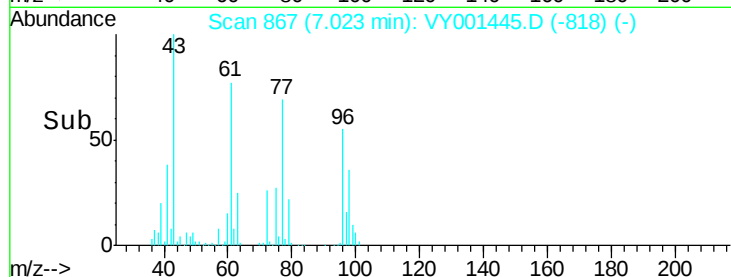
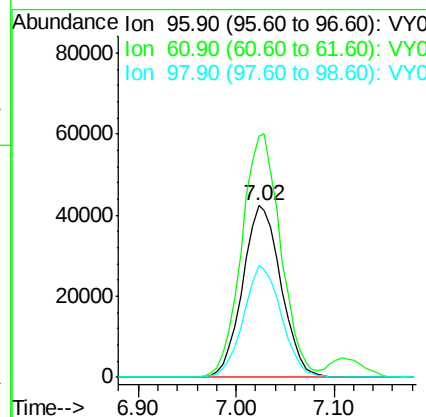
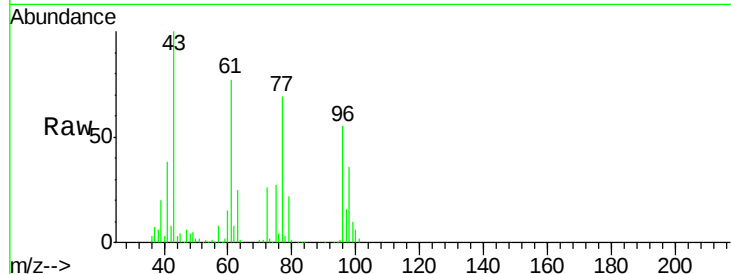
cis-1,2-Dichloroethene  
Concen: 44.932 ug/l  
RT: 7.02 min Scan# 867  
Delta R.T. -0.00 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 143.9 | 0.0  | 284.8 |       |
| 98      | 64.3  | 0.0  | 128.4 |       |

Manual Integrations  
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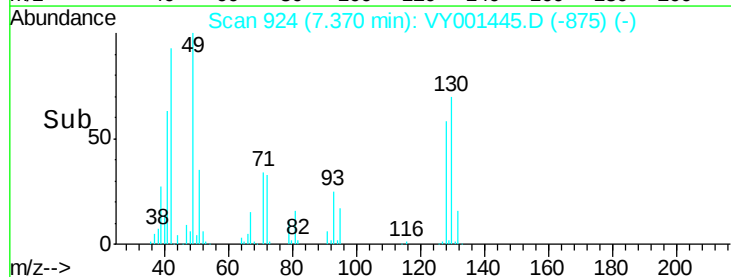
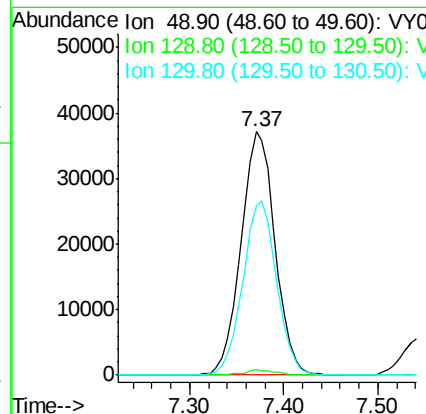
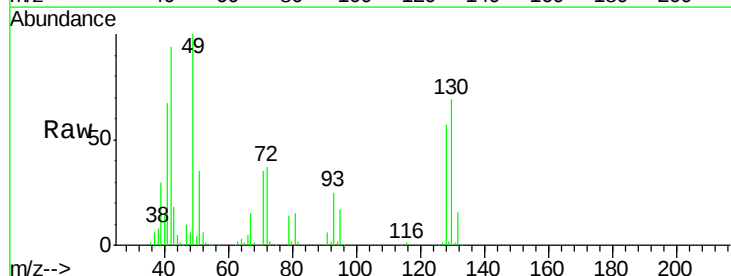
MMDadoda  
2/3/2020 10:53:03 AM

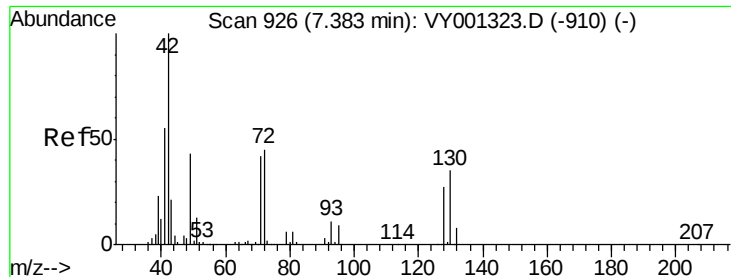


#28

Bromochloromethane  
Concen: 57.459 ug/l  
RT: 7.37 min Scan# 924  
Delta R.T. -0.00 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 2.0   | 0.0  | 4.0   |       |
| 130     | 71.1  | 58.9 | 88.3  |       |





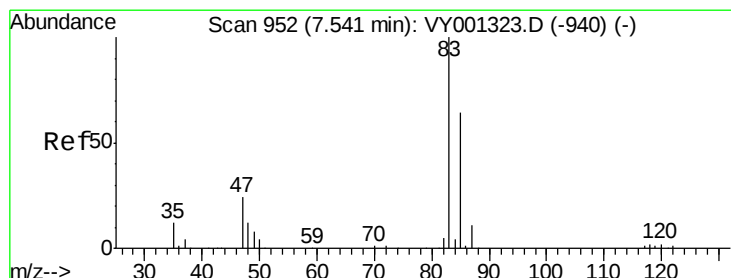
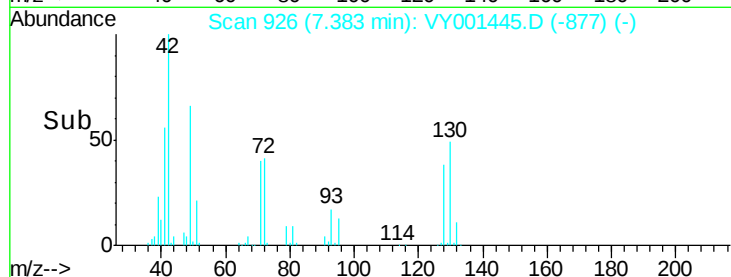
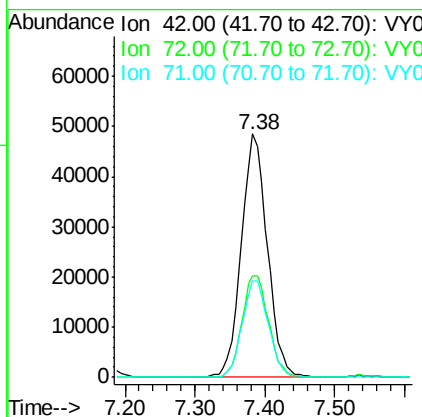
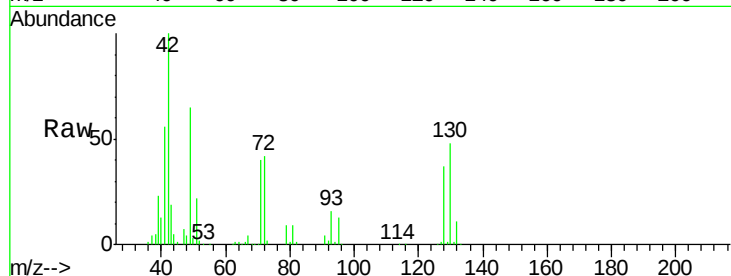
#29  
Tetrahydrofuran  
Concen: 218.277 ug/l  
RT: 7.38 min Scan# 926  
Delta R.T. -0.00 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 42.6  | 34.6  | 51.8  |
| 71      | 40.1  | 32.6  | 48.8  |

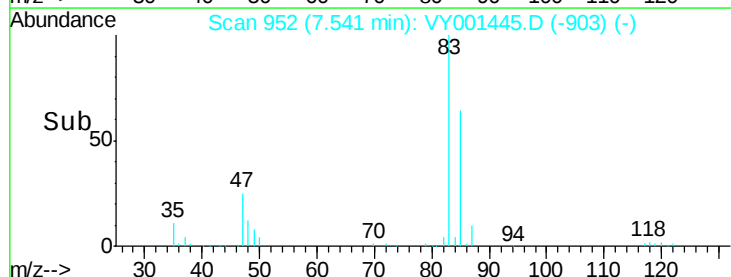
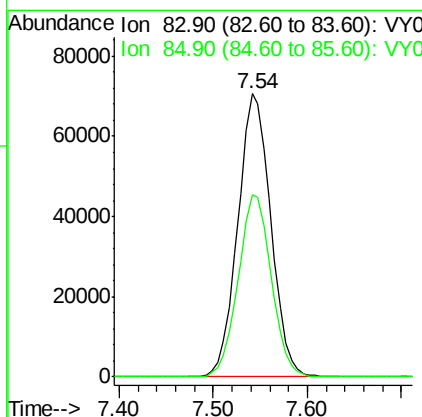
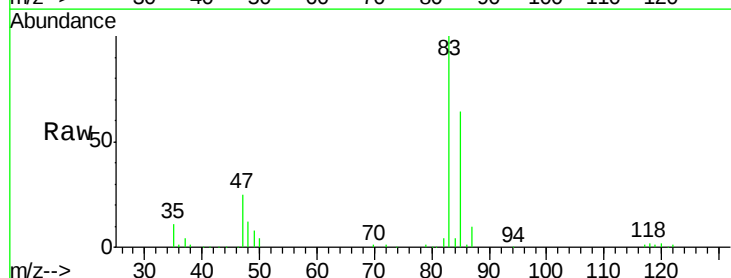
Manual Integrations  
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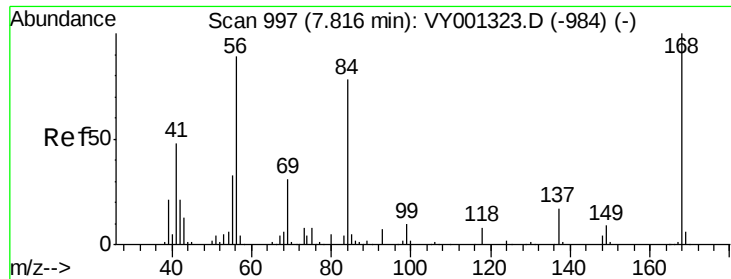
MMDadoda  
2/3/2020 10:53:03 AM



#30  
Chloroform  
Concen: 44.601 ug/l  
RT: 7.54 min Scan# 952  
Delta R.T. -0.00 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.2  | 51.5  | 77.3  |





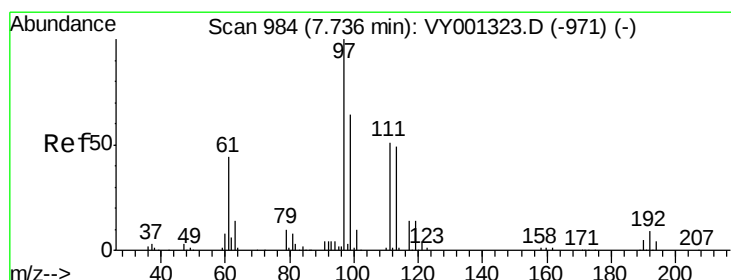
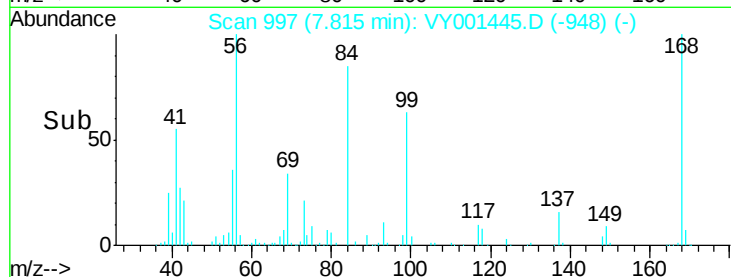
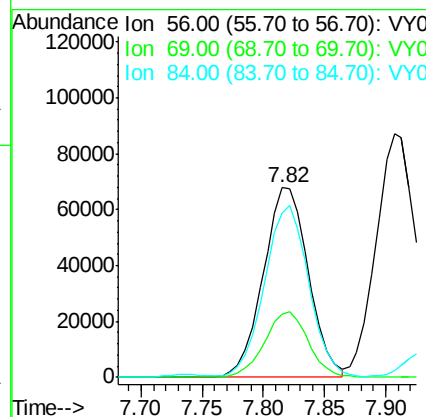
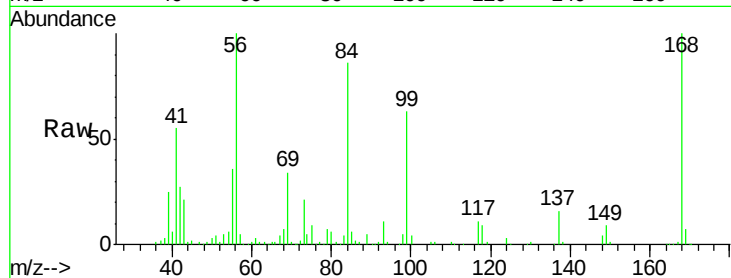
#31  
Cyclohexane  
Concen: 44.455 ug/l  
RT: 7.82 min Scan# 997  
Delta R.T. -0.00 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 33.6  | 27.6  | 41.4  |
| 84      | 84.9  | 69.7  | 104.5 |

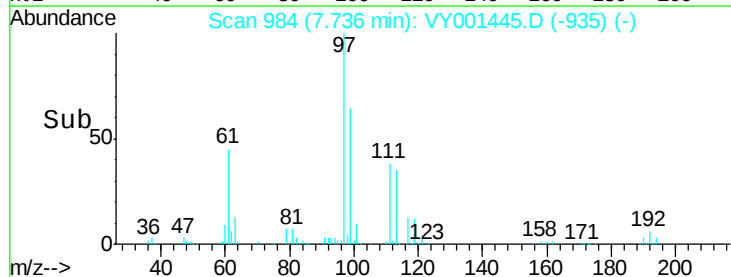
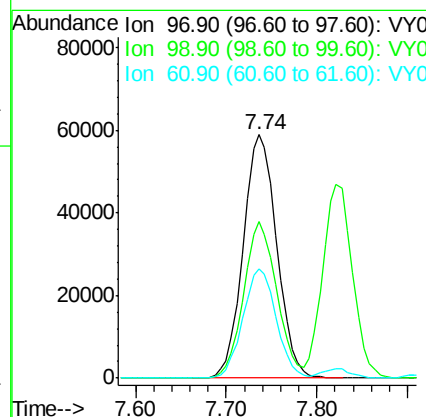
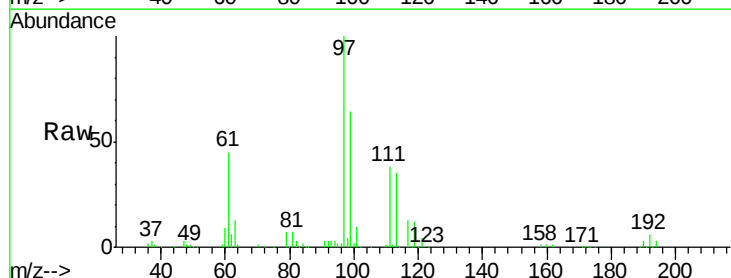
Manual Integrations  
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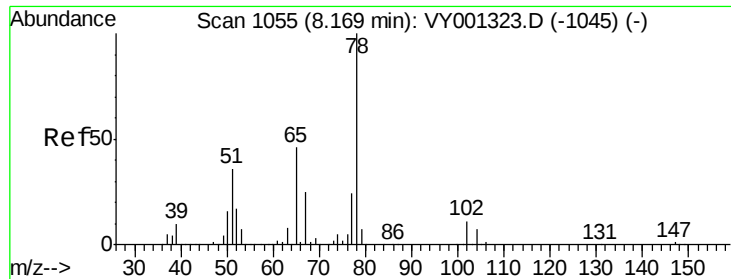
MMDadoda  
2/3/2020 10:53:03 AM



#32  
1,1,1-Trichloroethane  
Concen: 46.123 ug/l  
RT: 7.74 min Scan# 984  
Delta R.T. -0.00 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.8  | 51.3  | 76.9  |
| 61      | 44.6  | 35.9  | 53.9  |





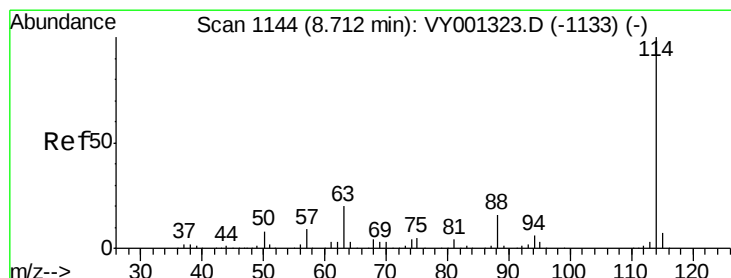
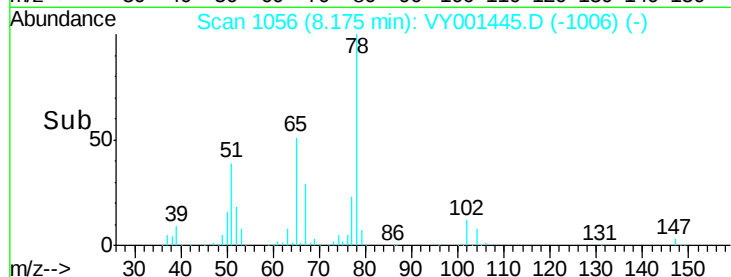
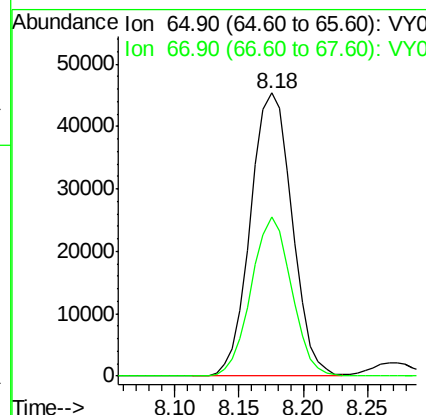
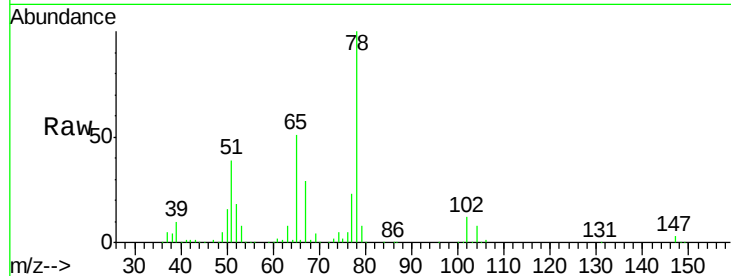
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.003 ug/l  
 RT: 8.18 min Scan# 1056  
 Delta R.T. 0.01 min  
 Lab File: VY001445.D  
 Acq: 31 Jan 2020 10:59

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 101454 |       |       |
| 67      | 54.5  | 0.0    | 108.6 |       |

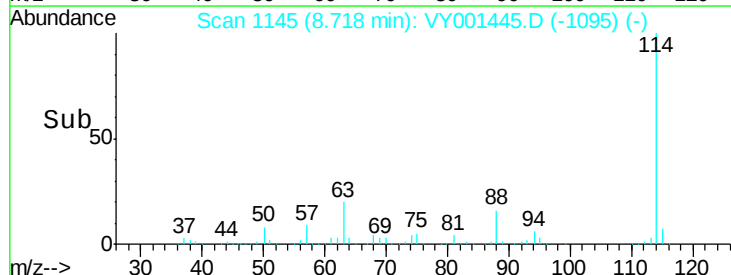
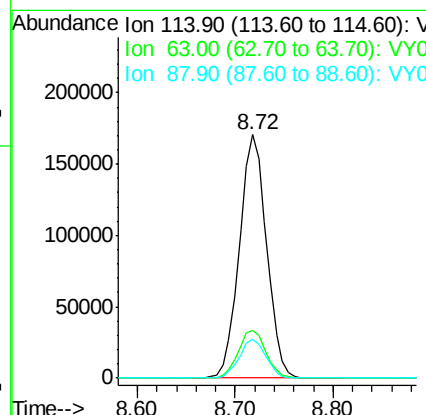
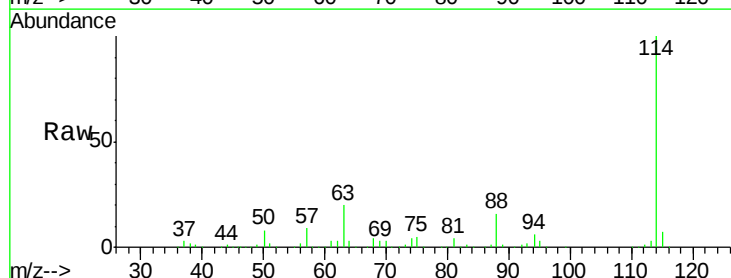
Manual Integrations  
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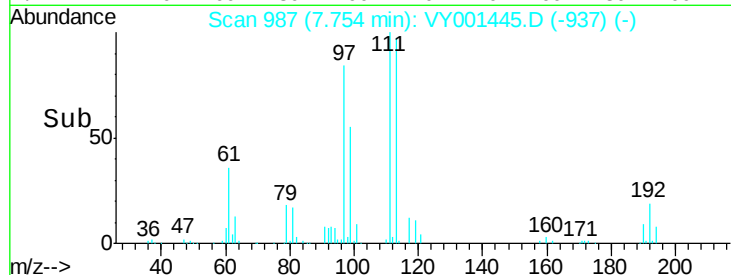
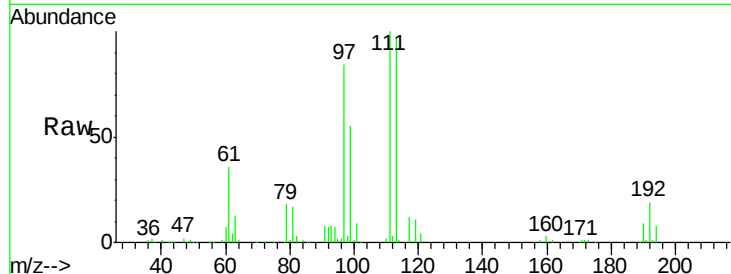
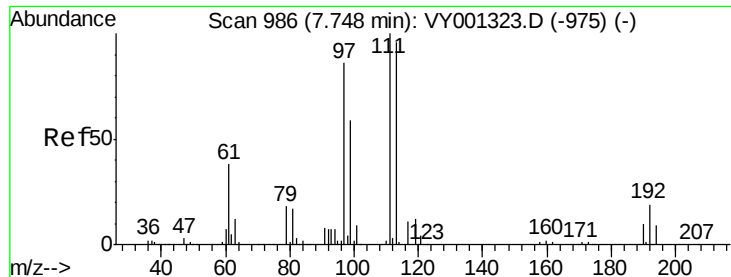
MMDadoda  
 2/3/2020 10:53:03 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.72 min Scan# 1145  
 Delta R.T. 0.01 min  
 Lab File: VY001445.D  
 Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 328678 |       |       |
| 63      | 19.7  | 0.0    | 40.8  |       |
| 88      | 15.7  | 0.0    | 31.0  |       |





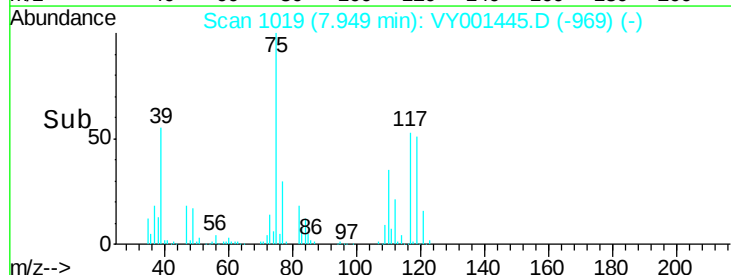
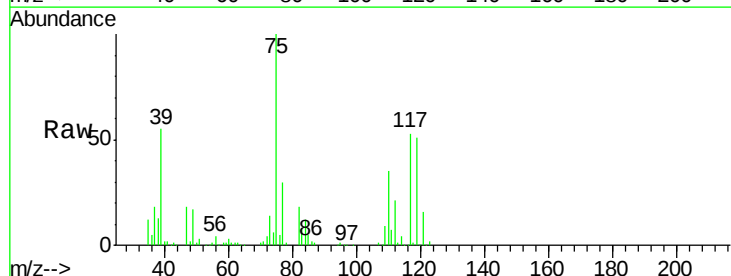
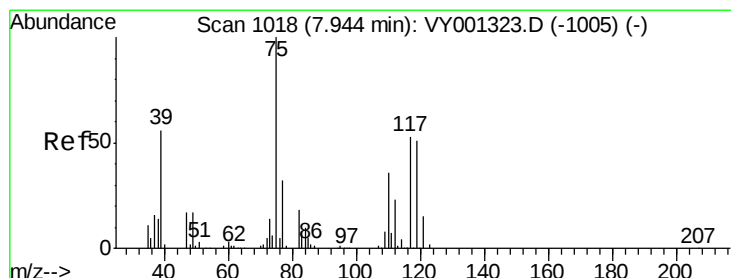
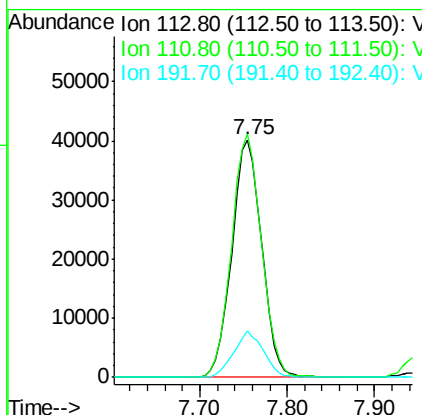
#35  
Dibromofluoromethane  
Concen: 49.452 ug/l  
RT: 7.75 min Scan# 987  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 95395 |       |       |
| 111     | 102.7 |       | 82.8  | 124.2 |
| 192     | 19.2  |       | 15.5  | 23.3  |

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

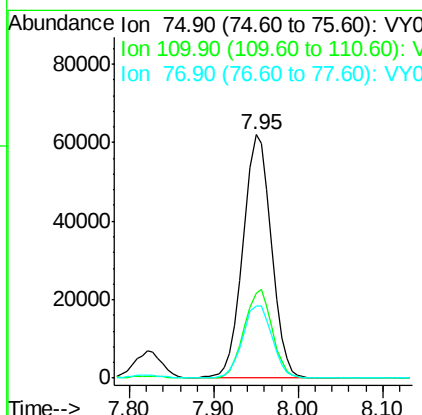
Manual Integrations  
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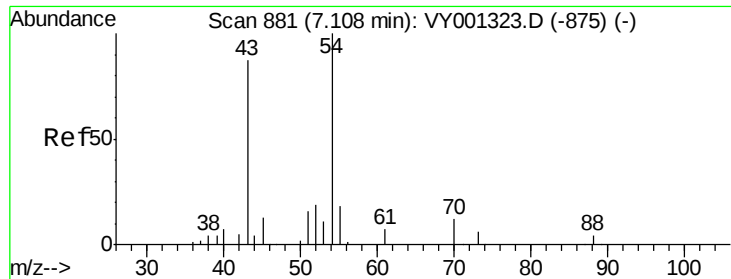
MMDadoda  
2/3/2020 10:53:03 AM



#36  
1,1-Dichloropropene  
Concen: 45.421 ug/l  
RT: 7.95 min Scan# 1019  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 141041 |       |       |
| 110     | 35.8  |        | 17.6  | 52.8  |
| 77      | 31.1  |        | 24.7  | 37.1  |





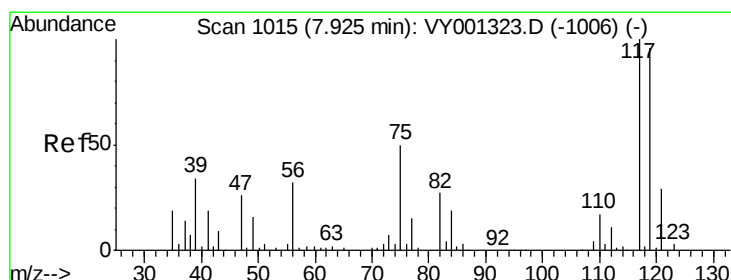
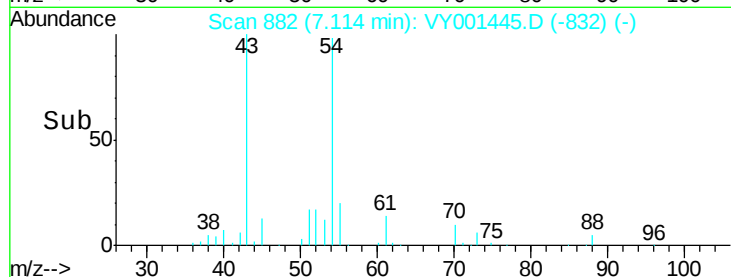
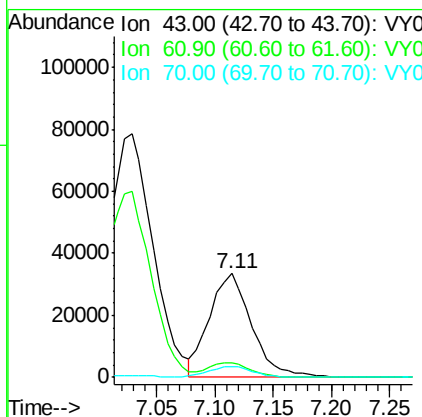
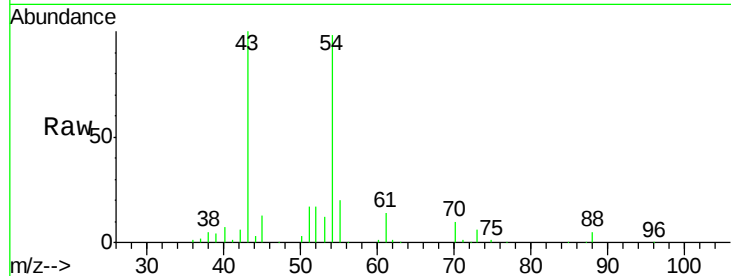
#37  
Ethyl Acetate  
Concen: 43.959 ug/l  
RT: 7.11 min Scan# 882  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.2  | 11.3  | 16.9  |
| 70      | 10.9  | 8.7   | 13.1  |

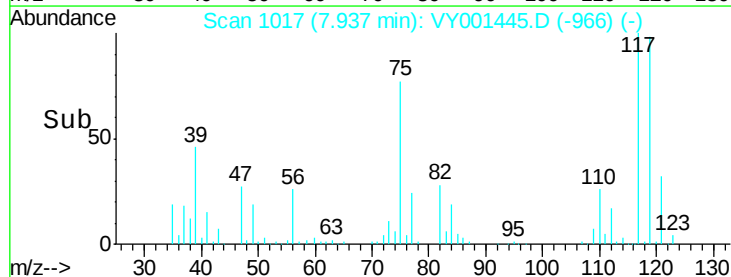
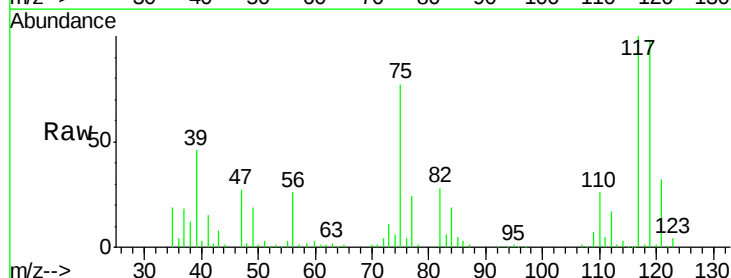
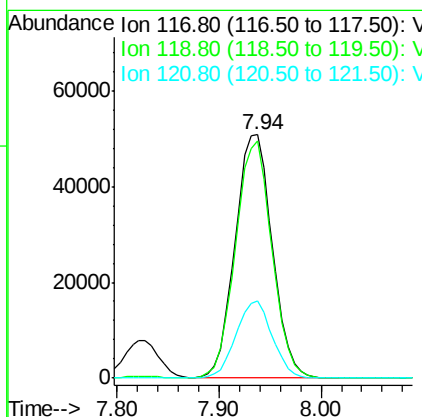
Manual Integrations  
APPROVED

MMDadoda  
2/3/2020 10:53:03 AM



#38  
Carbon Tetrachloride  
Concen: 46.510 ug/l  
RT: 7.94 min Scan# 1017  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.5  | 76.3  | 114.5 |
| 121     | 31.9  | 23.5  | 35.3  |





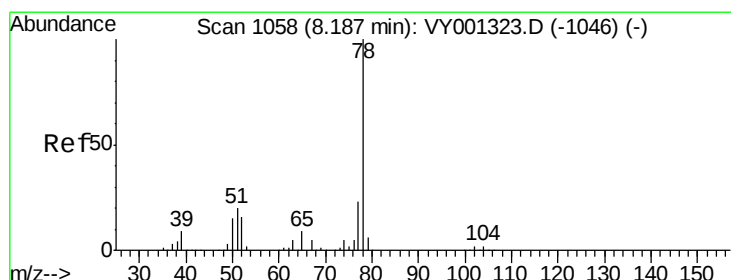
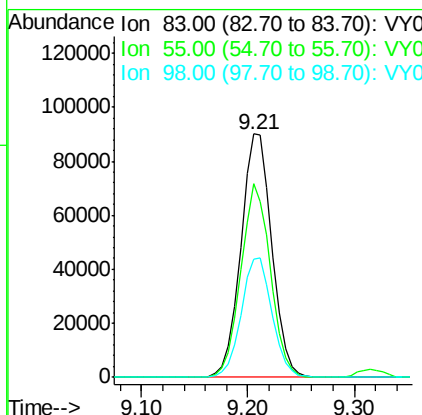
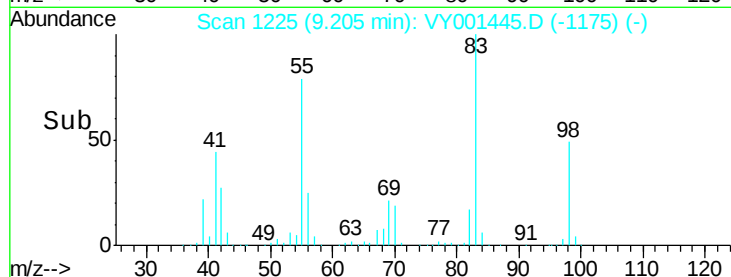
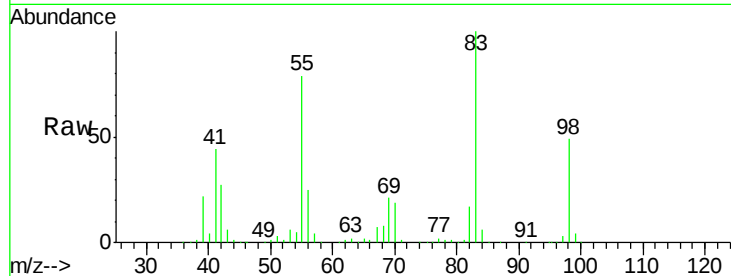
#39  
Methvlcvclohexane  
Concen: 46.265 ug/l  
RT: 9.21 min Scan# 1225  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 83   | Resp  | 184038 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 55        | 79.4 | 60.7  | 91.1   |
| 98        | 48.6 | 37.8  | 56.8   |

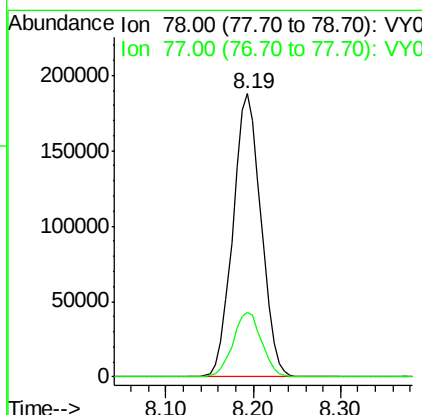
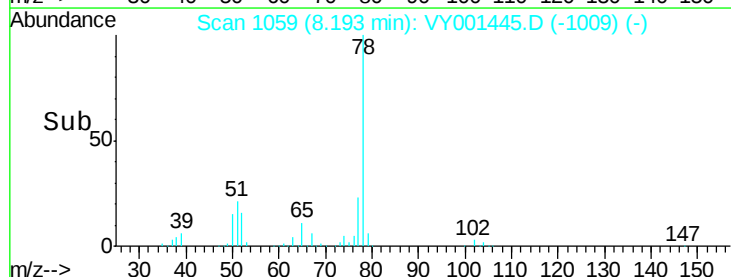
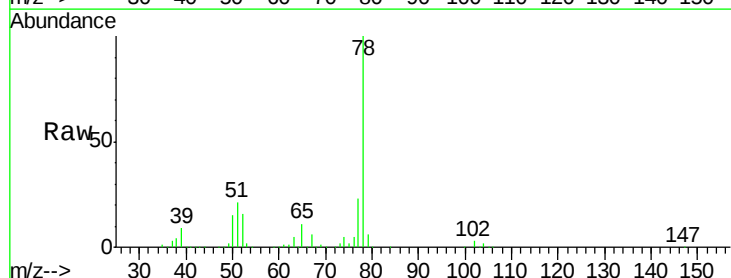
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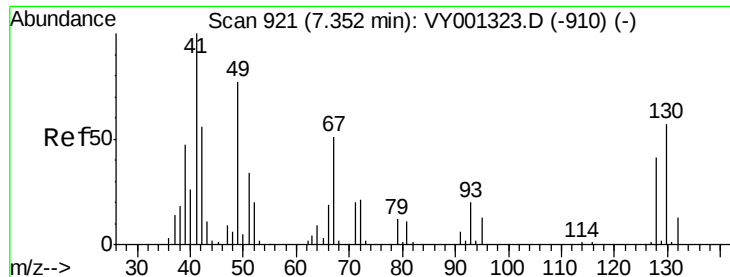
MMDadoda  
2/3/2020 10:53:03 AM



#40  
Benzene  
Concen: 45.022 ug/l  
RT: 8.19 min Scan# 1059  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion   | 78   | Resp  | 419182 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 78        | 100  |       |        |
| 77        | 23.0 | 18.6  | 27.8   |





#41

Methacrylonitrile

Concen: 45.350 ug/l m

RT: 7.35 min Scan# 921

Delta R.T. -0.00 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 44398

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

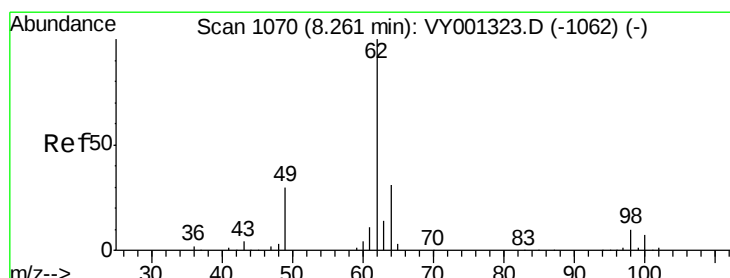
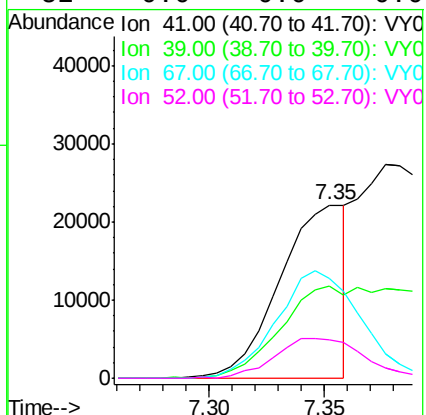
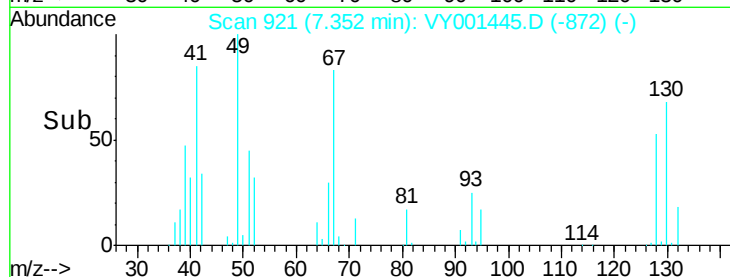
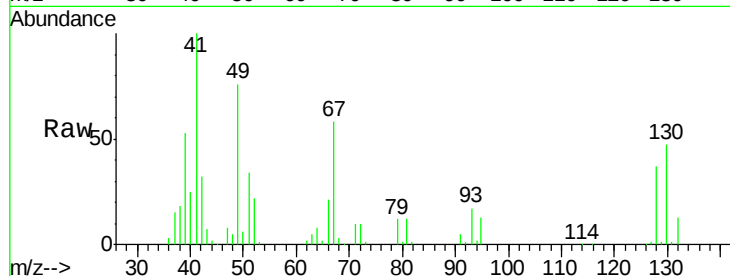
52 0.0 0.0 0.0

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2/3/2020 10:53:03 AM



#42

1,2-Dichloroethane

Concen: 43.888 ug/l

RT: 8.27 min Scan# 1072

Delta R.T. 0.01 min

Lab File: VY001445.D

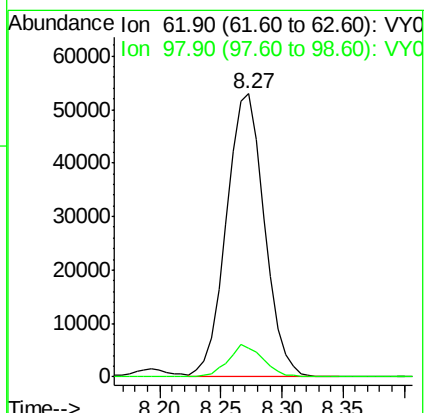
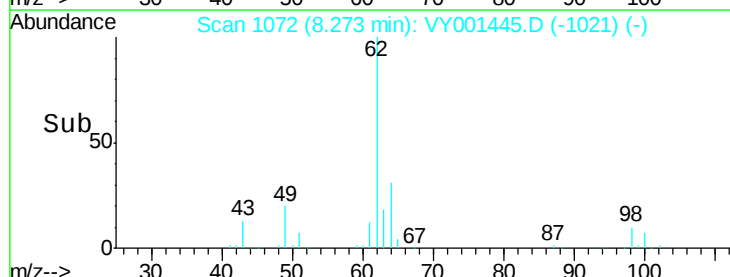
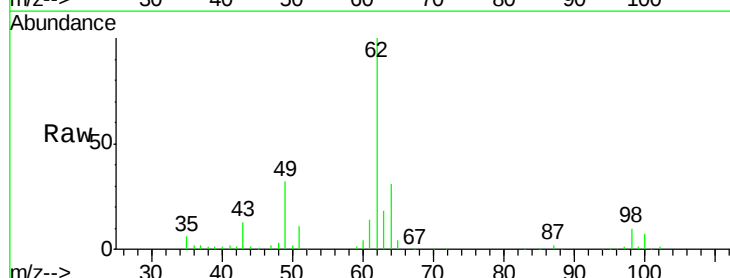
Acq: 31 Jan 2020 10:59

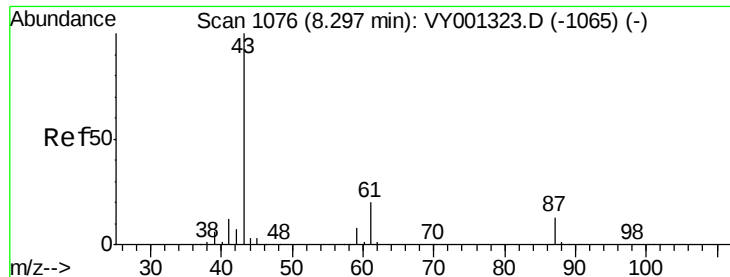
Tgt Ion: 62 Resp: 114178

Ion Ratio Lower Upper

62 100

98 10.3 0.0 20.8





#43

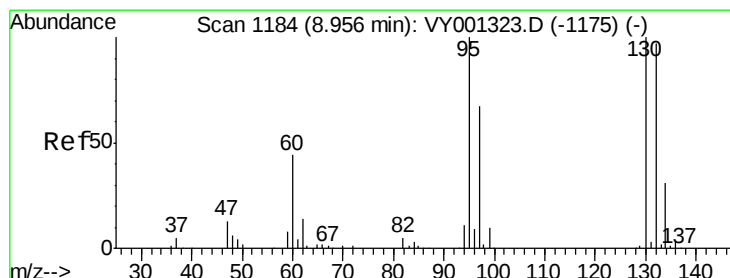
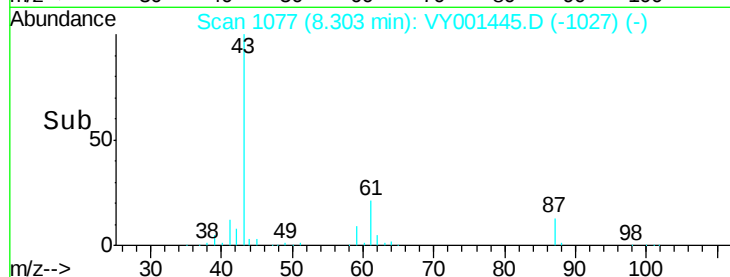
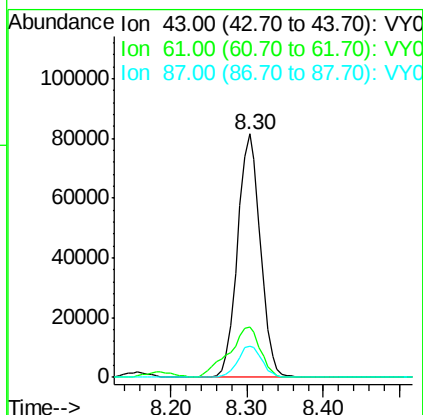
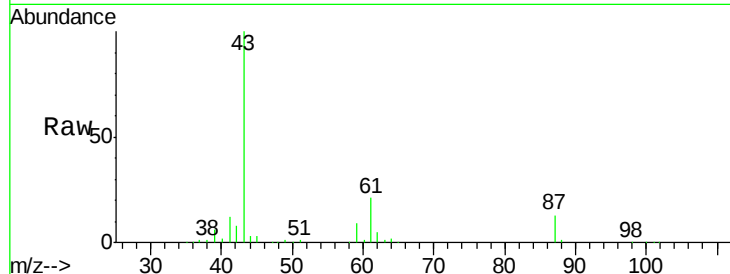
Isopropyl Acetate  
 Concen: 45.559 ug/l  
 RT: 8.30 min Scan# 1077  
 Delta R.T. 0.01 min  
 Lab File: VY001445.D  
 Acq: 31 Jan 2020 10:59

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 28.4  | 22.7  | 34.1  |
| 87      | 13.3  | 11.0  | 16.4  |

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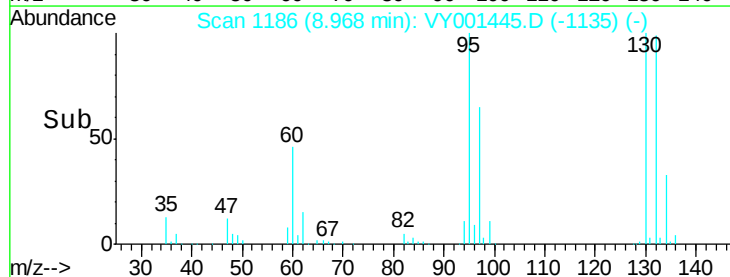
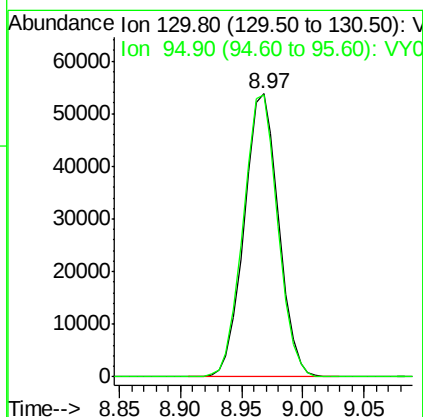
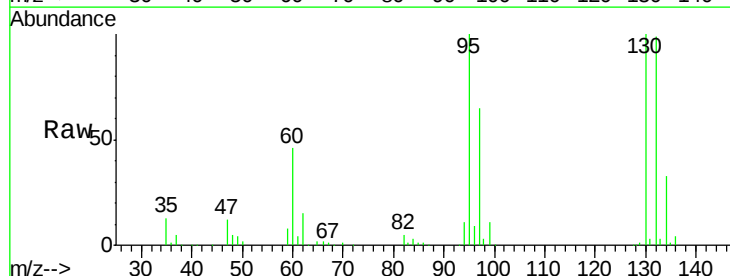
MMDadoda  
 2/3/2020 10:53:03 AM

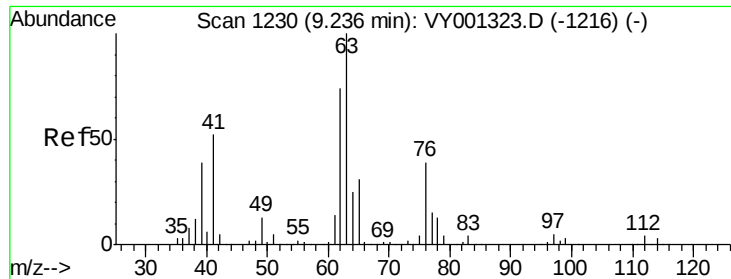


#44

Trichloroethene  
 Concen: 44.077 ug/l  
 RT: 8.97 min Scan# 1186  
 Delta R.T. 0.01 min  
 Lab File: VY001445.D  
 Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 99.8  | 0.0   | 200.0 |





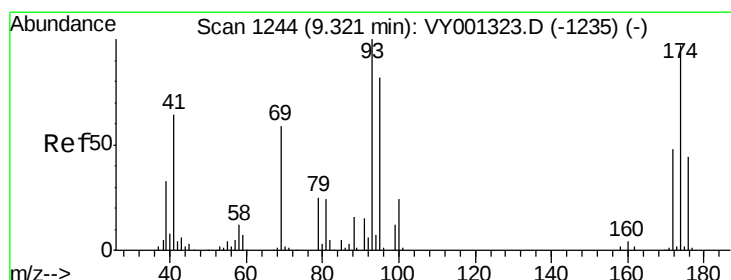
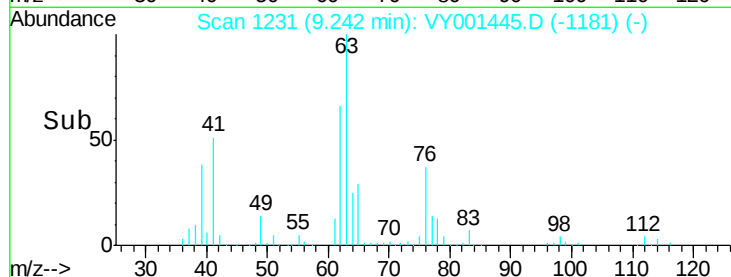
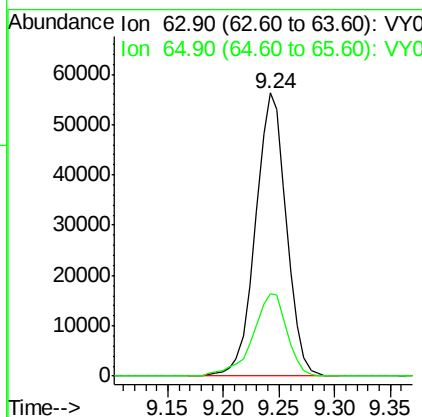
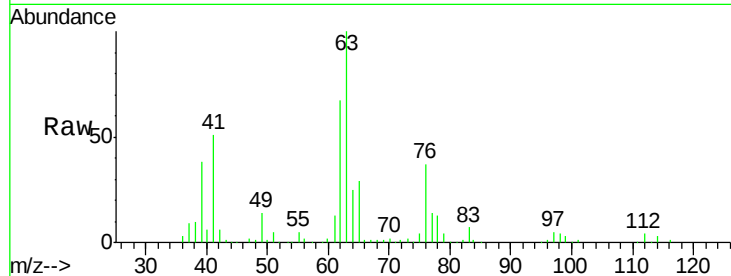
#45  
 1,2-Dichloropropane  
 Concen: 46.213 ug/l  
 RT: 9.24 min Scan# 1231  
 Delta R.T. 0.01 min  
 Lab File: VY001445.D  
 Acq: 31 Jan 2020 10:59

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 63 Resp: 108771  
 Ion Ratio Lower Upper  
 63 100  
 65 29.3 24.9 37.3

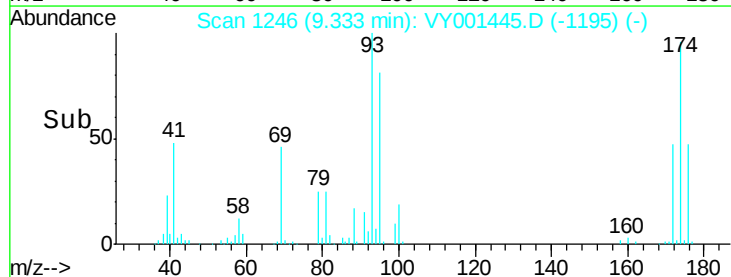
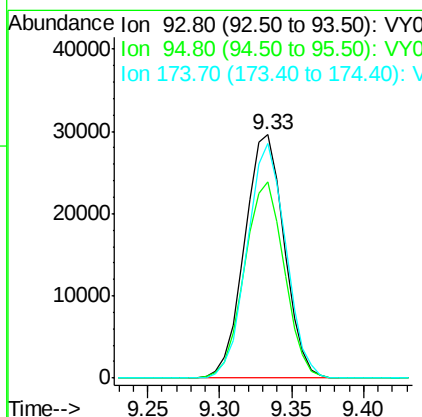
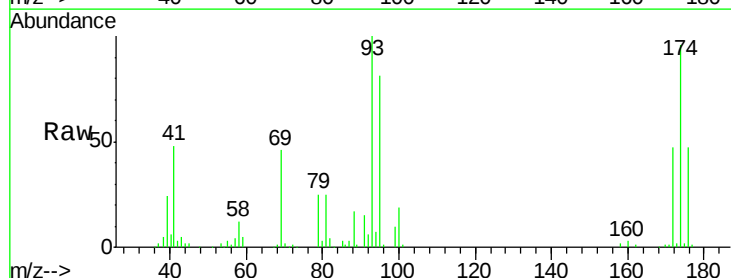
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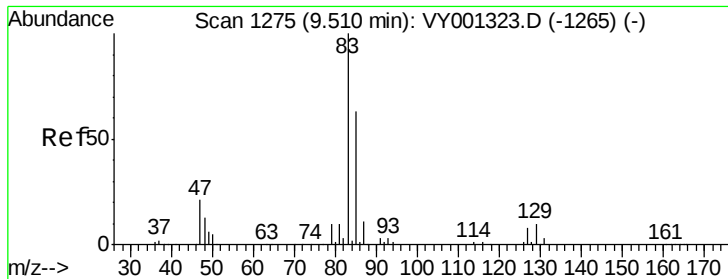
MMDadoda  
 2/3/2020 10:53:03 AM



#46  
 Dibromomethane  
 Concen: 44.676 ug/l  
 RT: 9.33 min Scan# 1246  
 Delta R.T. 0.01 min  
 Lab File: VY001445.D  
 Acq: 31 Jan 2020 10:59

Tgt Ion: 93 Resp: 56452  
 Ion Ratio Lower Upper  
 93 100  
 95 80.9 66.5 99.7  
 174 93.8 77.9 116.9





#47

Bromodichloromethane

Concen: 45.366 ug/l

RT: 9.52 min Scan# 1277

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA\_Y

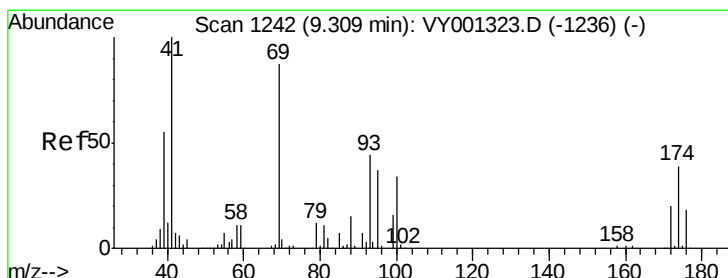
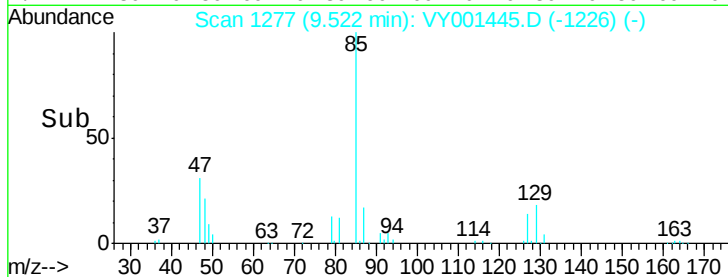
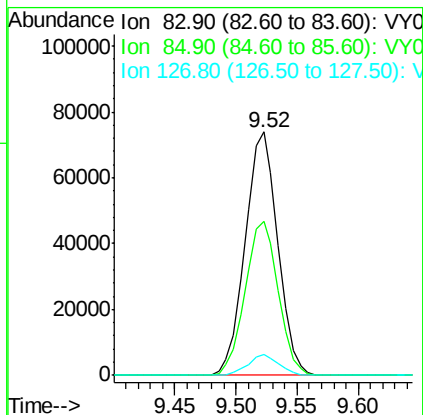
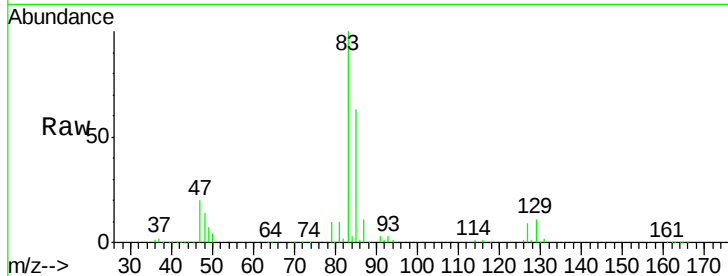
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 137033 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.2  | 50.2  | 75.2   |
| 127       | 8.6   | 6.4   | 9.6    |

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#48

Methyl methacrylate

Concen: 44.481 ug/l

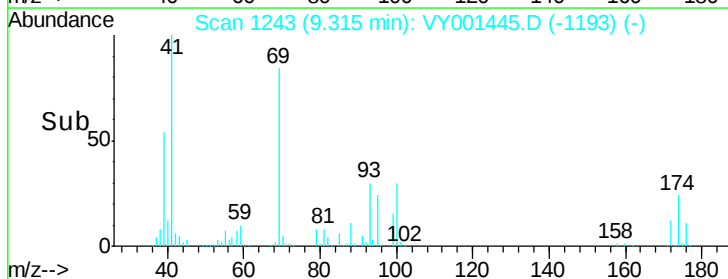
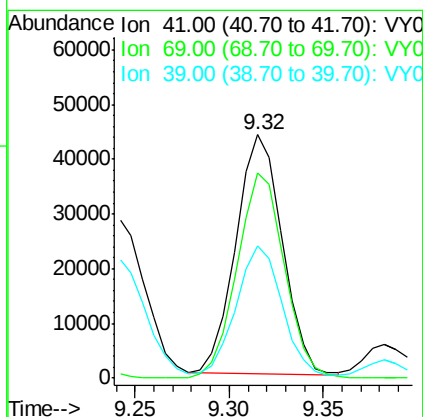
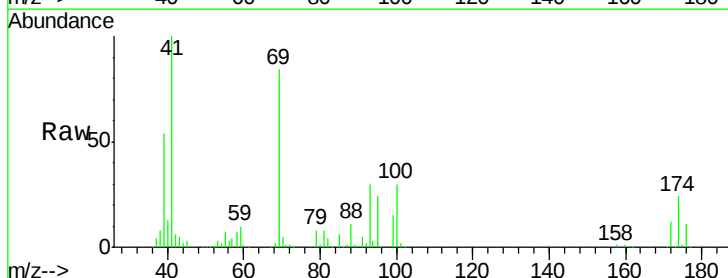
RT: 9.32 min Scan# 1243

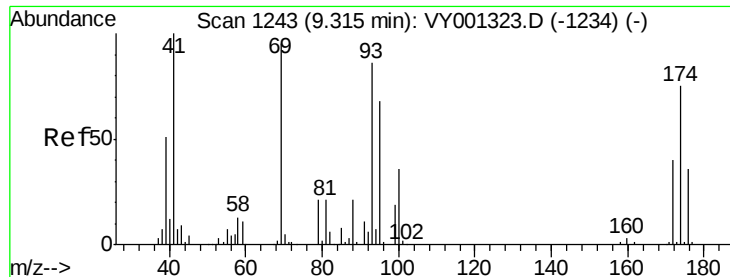
Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 74597 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 87.6  | 70.2  | 105.4 |
| 39        | 53.3  | 45.7  | 68.5  |





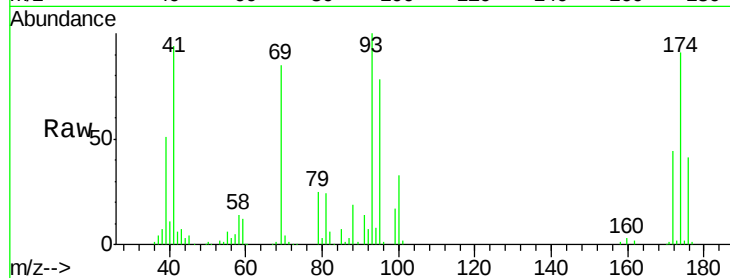
#49  
1,4-Dioxane  
Concen: 823.504 ug/l  
RT: 9.33 min Scan# 1245  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

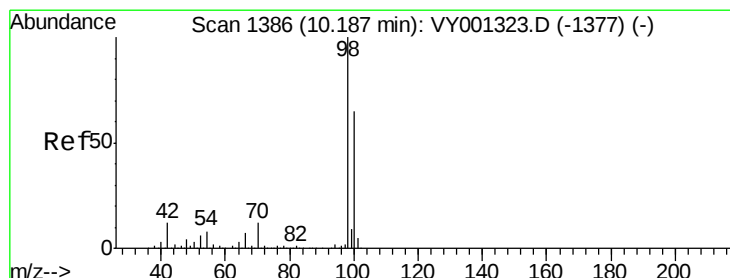
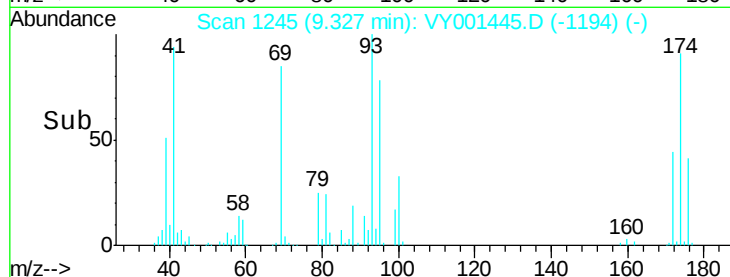
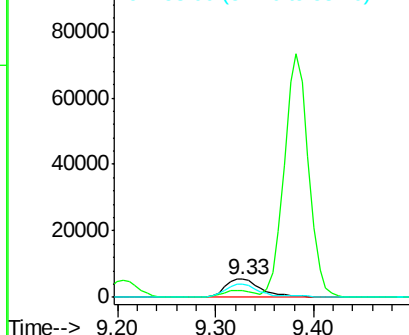
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 31.9  | 28.2  | 42.2  |
| 58      | 64.6  | 55.6  | 83.4  |

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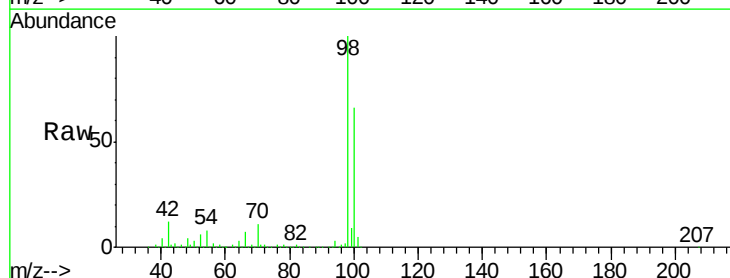


Abundance Ion 88.00 (87.70 to 88.70): VY0  
Ion 43.00 (42.70 to 43.70): VY0  
Ion 58.00 (57.70 to 58.70): VY0

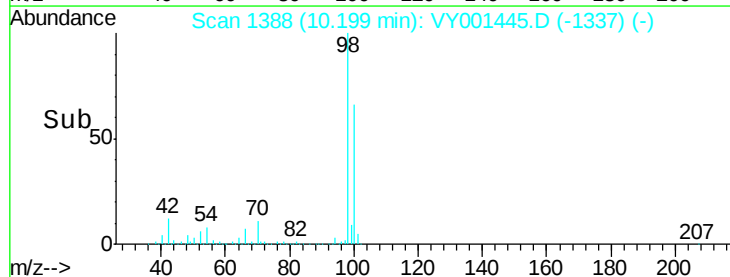
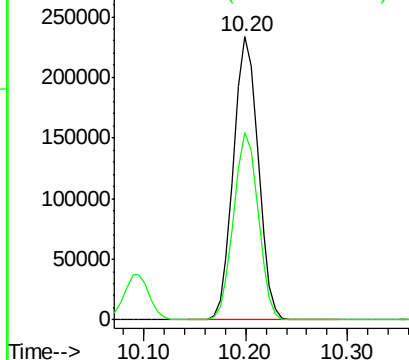


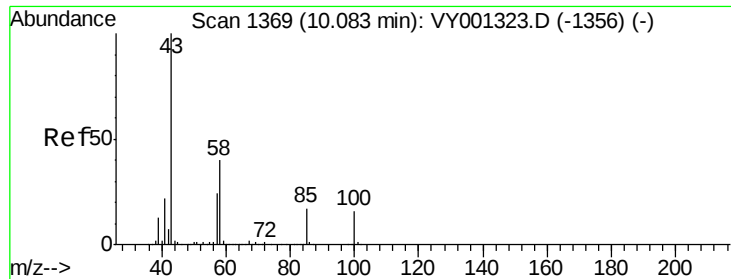
#50  
Toluene-d8  
Concen: 52.242 ug/l  
RT: 10.20 min Scan# 1388  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.9  | 52.6  | 79.0  |



Abundance Ion 98.00 (97.70 to 98.70): VY0  
Ion 100.00 (99.70 to 100.70): VY0





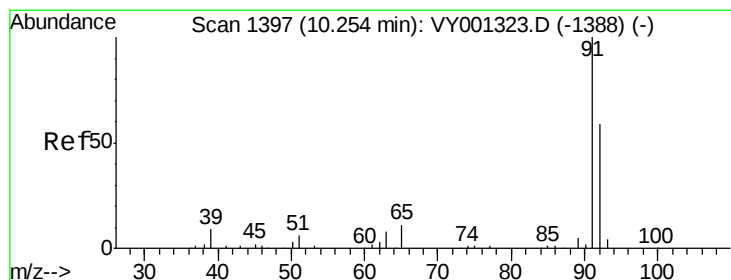
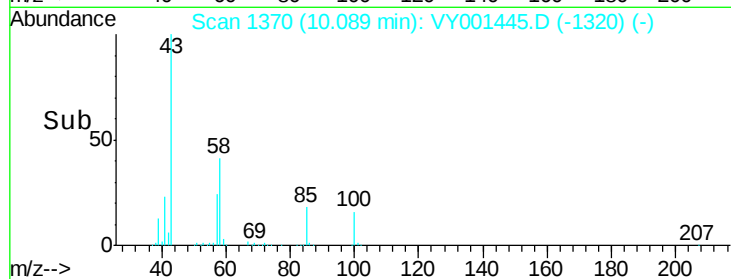
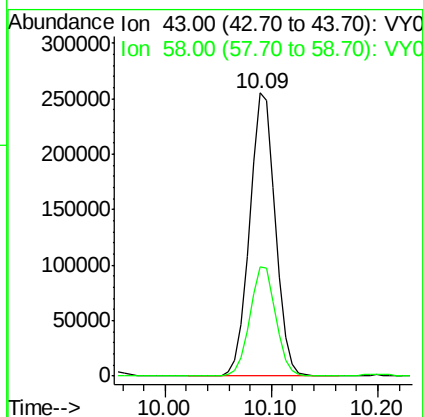
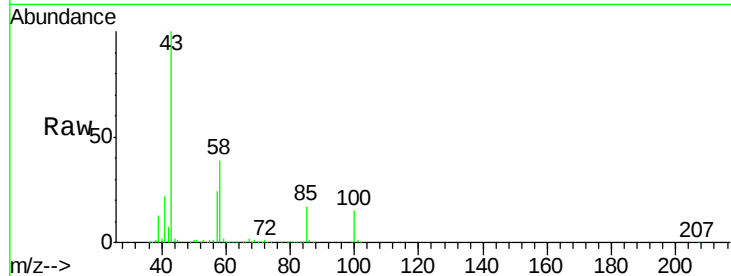
#51  
4-Methyl-2-Pentanone  
Concen: 227.803 ug/l  
RT: 10.09 min Scan# 1370  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampled :  
VSTDCCC050

Tot Ion: 43 Resp: 432780  
Ion Ratio Lower Upper  
43 100  
58 39.1 31.5 47.3

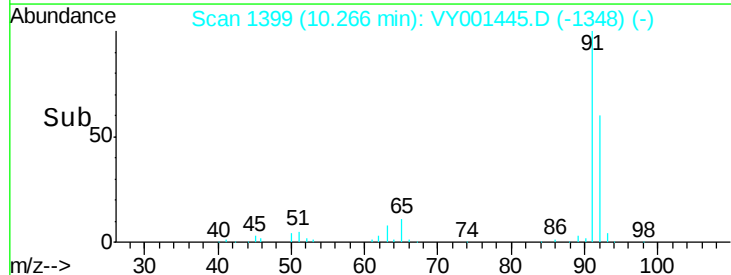
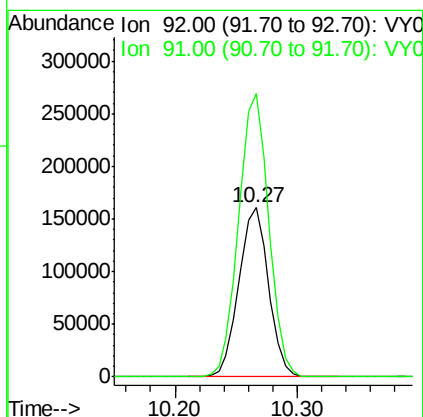
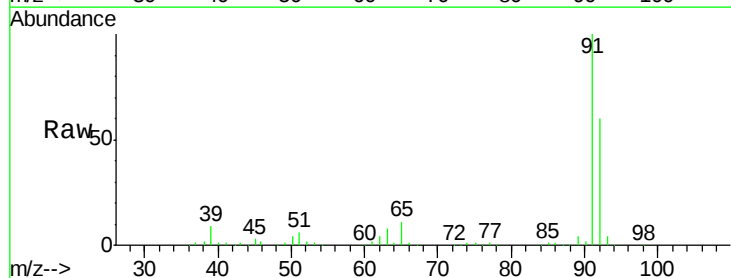
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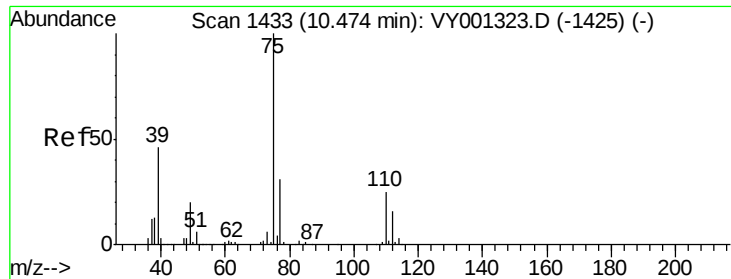
MMDadoda  
2/3/2020 10:53:03 AM



#52  
Toluene  
Concen: 45.813 ug/l  
RT: 10.27 min Scan# 1399  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Tgt Ion: 92 Resp: 270388  
Ion Ratio Lower Upper  
92 100  
91 169.4 136.4 204.6





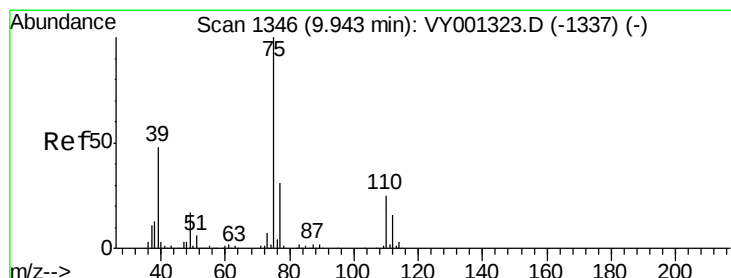
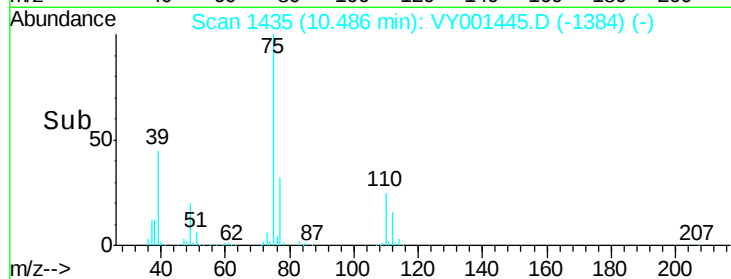
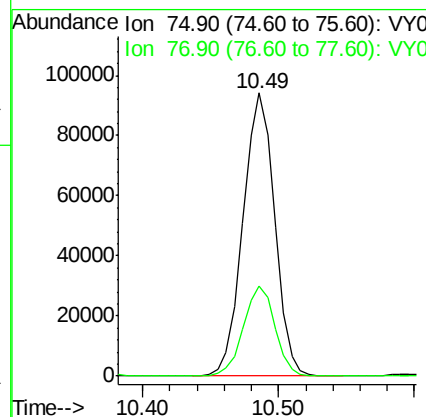
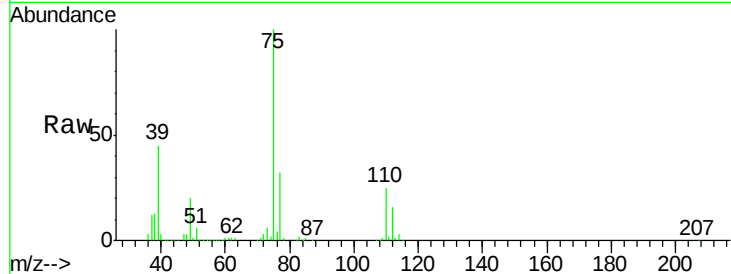
#53  
t-1,3-Dichloropropene  
Concen: 45.756 ug/l  
RT: 10.49 min Scan# 1435  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampled :  
VSTDCCC050

Tot Ion: 75 Resp: 153194  
Ion Ratio Lower Upper  
75 100  
77 31.7 25.2 37.8

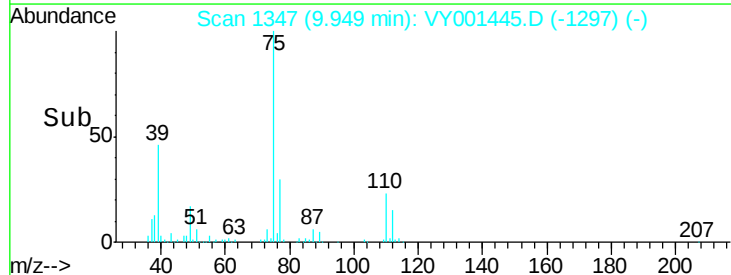
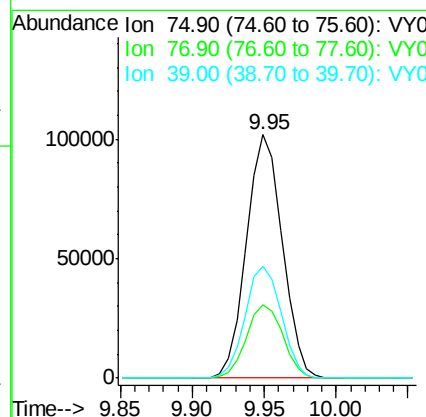
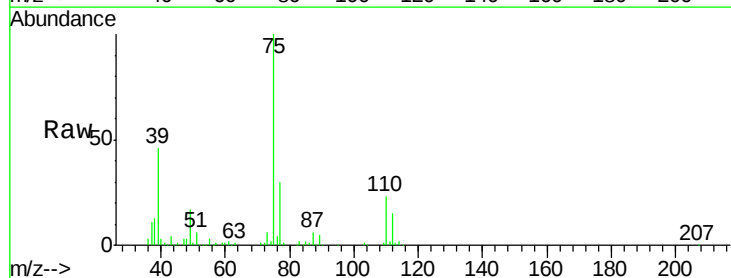
Manual Integrations  
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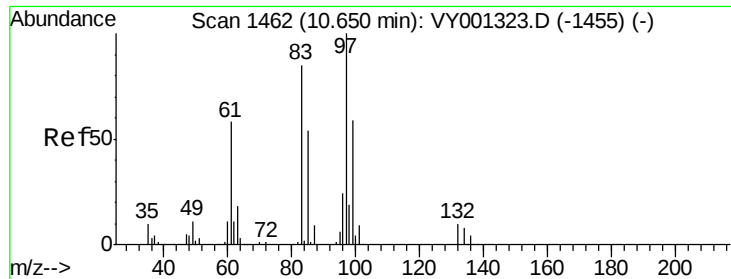
MMDadoda  
2/3/2020 10:53:03 AM



#54  
cis-1,3-Dichloropropene  
Concen: 45.671 ug/l  
RT: 9.95 min Scan# 1347  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Tgt Ion: 75 Resp: 175506  
Ion Ratio Lower Upper  
75 100  
77 30.2 25.0 37.6  
39 45.8 38.2 57.4





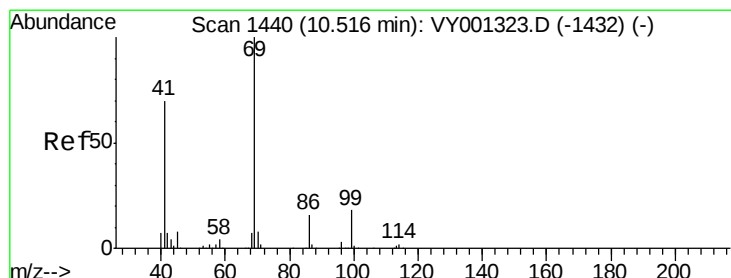
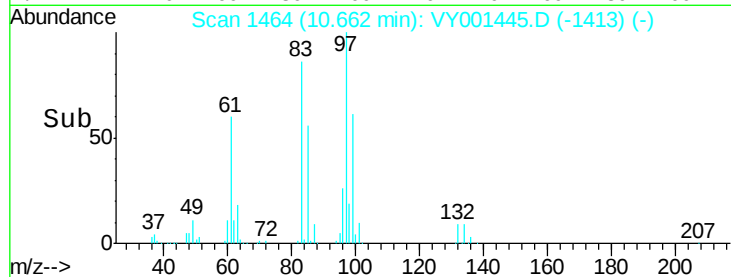
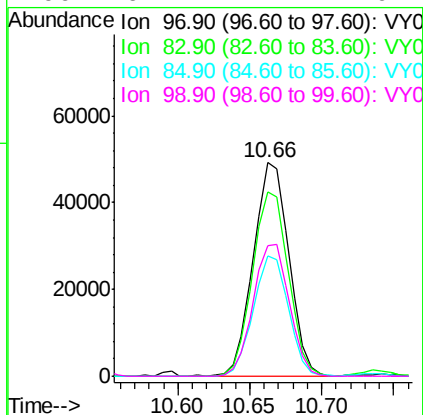
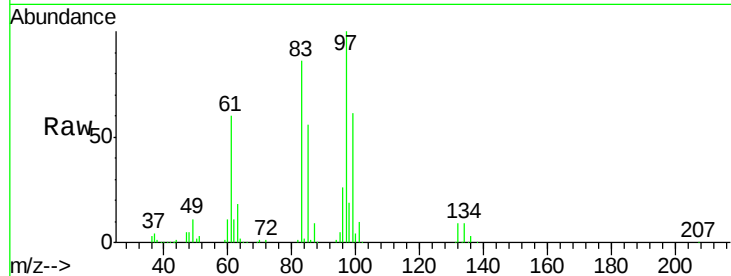
#55  
 1,1,2-Trichloroethane  
 Concen: 45.227 ug/l  
 RT: 10.66 min Scan# 1464  
 Delta R.T. 0.01 min  
 Lab File: VY001445.D  
 Acq: 31 Jan 2020 10:59

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion   | 97    | Resp  | 84349 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 83        | 86.3  | 68.0  | 102.0 |
| 85        | 56.1  | 43.6  | 65.4  |
| 99        | 61.1  | 47.1  | 70.7  |

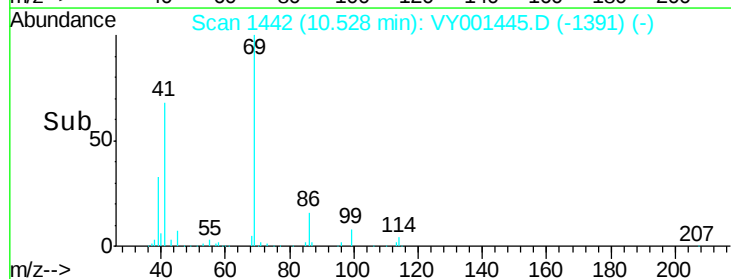
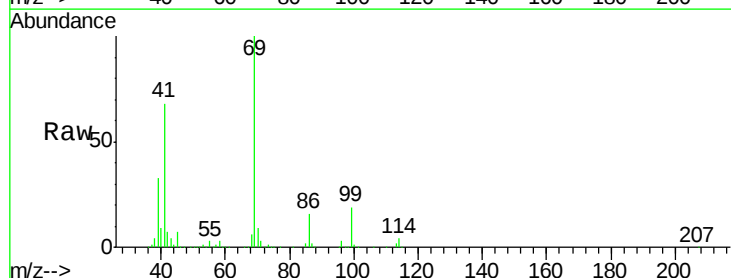
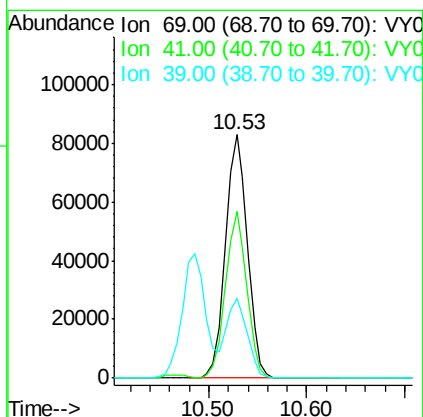
Manual Integrations  
 APPROVED

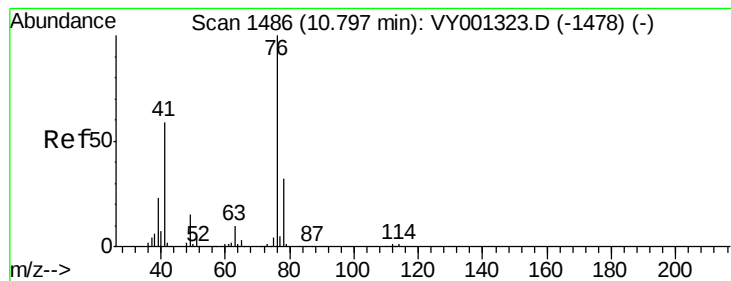
MMDadoda  
 2/3/2020 10:53:03 AM



#56  
 Ethyl methacrylate  
 Concen: 45.610 ug/l  
 RT: 10.53 min Scan# 1442  
 Delta R.T. 0.01 min  
 Lab File: VY001445.D  
 Acq: 31 Jan 2020 10:59

| Tgt Ion   | 69    | Resp  | 128566 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 69        | 100   |       |        |
| 41        | 66.6  | 54.1  | 81.1   |
| 39        | 31.1  | 26.8  | 40.2   |





#57

1,3-Dichloropropane

Concen: 45.410 ug/l

RT: 10.81 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 147529

Ion Ratio Lower Upper

76 100

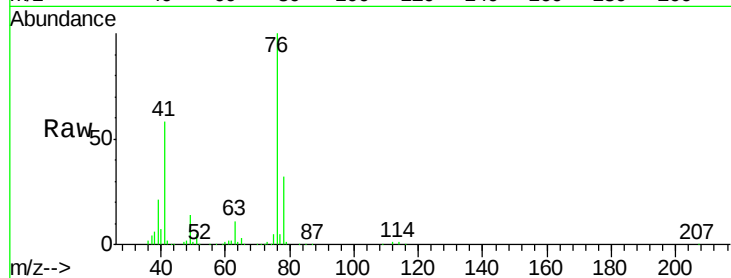
78 32.4 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

2/3/2020 10:53:03 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.81

80000

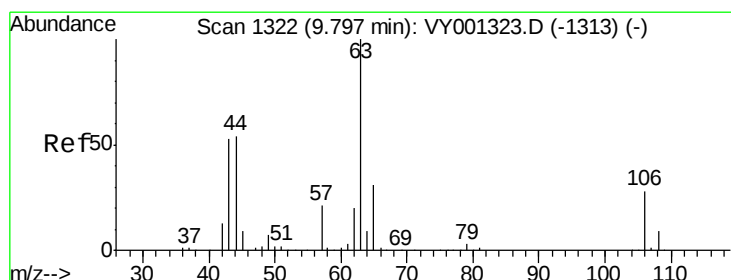
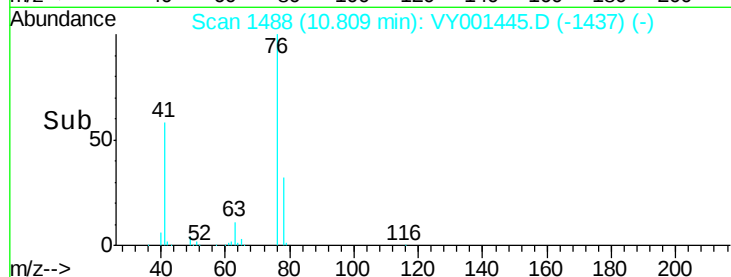
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 220.856 ug/l

RT: 9.80 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VY001445.D

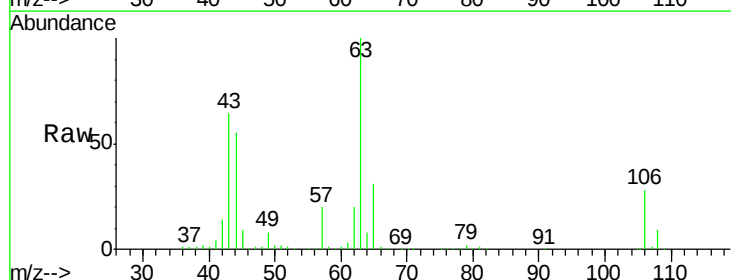
Acq: 31 Jan 2020 10:59

Tgt Ion: 63 Resp: 215427

Ion Ratio Lower Upper

63 100

106 28.0 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.80

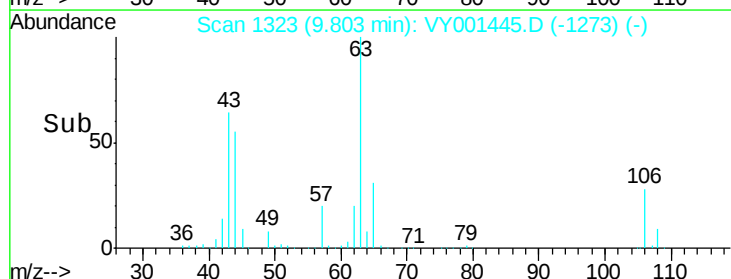
150000

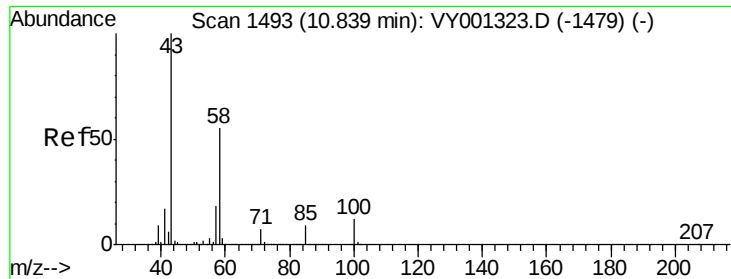
100000

50000

0

Time-->





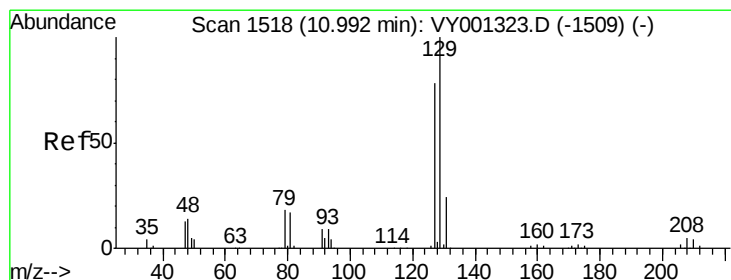
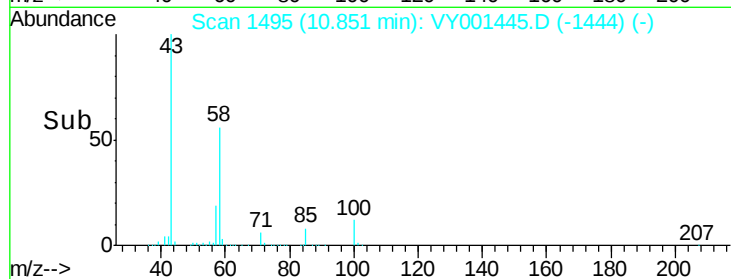
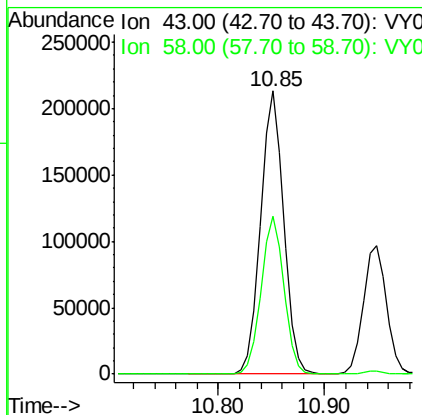
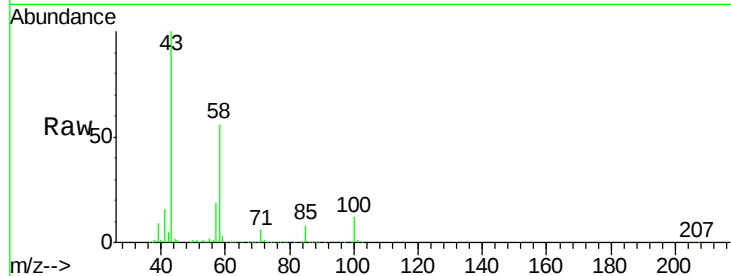
#59  
2-Hexanone  
Concen: 245.841 ug/l  
RT: 10.85 min Scan# 1495  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 43   | Resp  | 325146 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 55.2 | 27.6  | 82.8   |

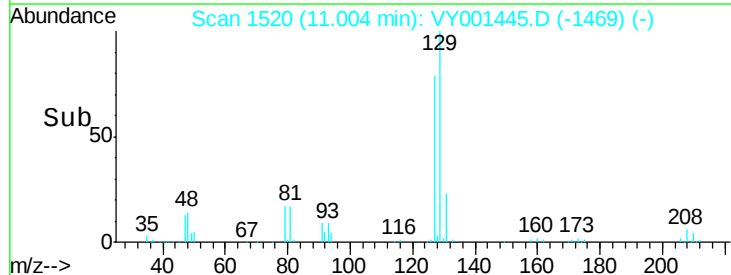
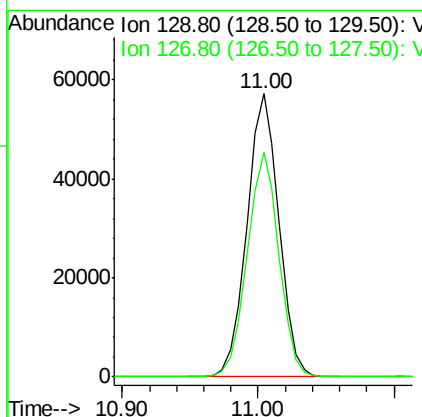
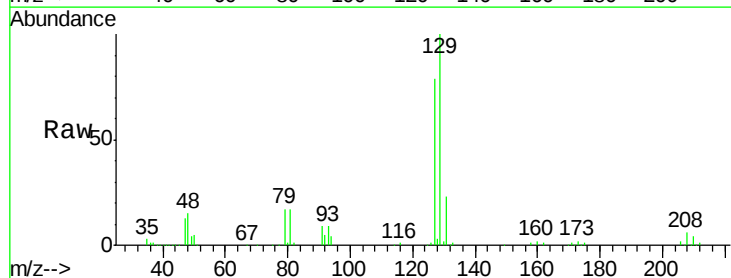
Manual Integrations  
APPROVED

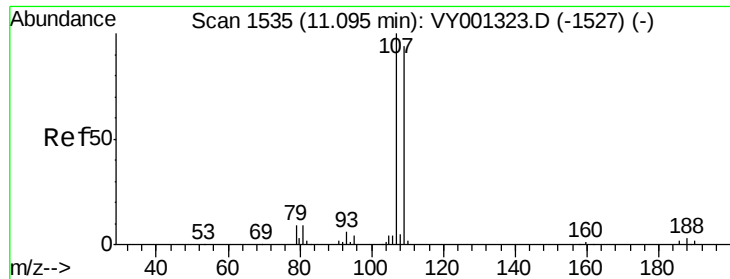
MMDadoda  
2/3/2020 10:53:03 AM



#60  
Dibromochloromethane  
Concen: 45.097 ug/l  
RT: 11.00 min Scan# 1520  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion   | 129  | Resp  | 94069 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 129       | 100  |       |       |
| 127       | 78.5 | 38.8  | 116.4 |





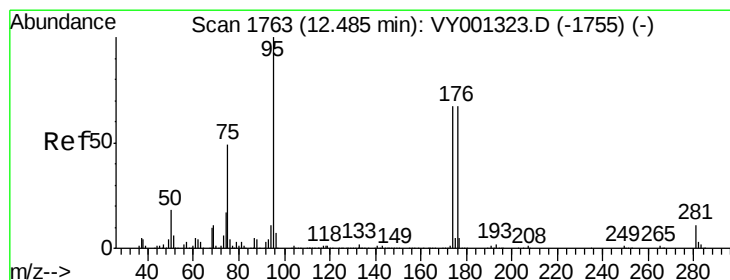
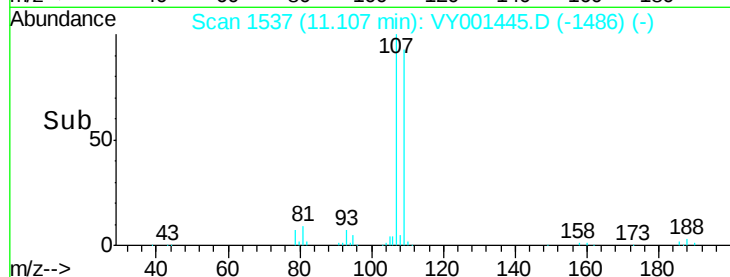
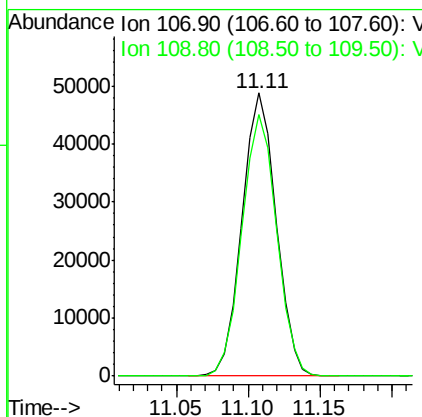
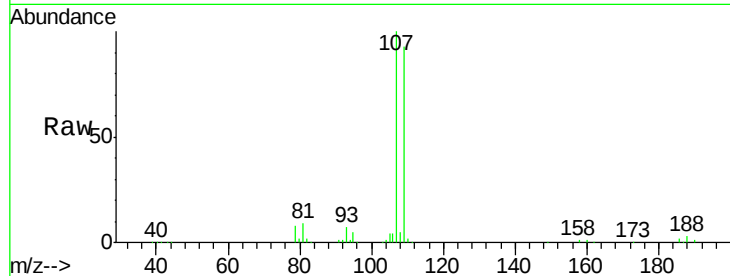
#61  
1,2-Dibromoethane  
Concen: 45.428 ug/l  
RT: 11.11 min Scan# 1537  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.1  | 75.0  | 112.6 |

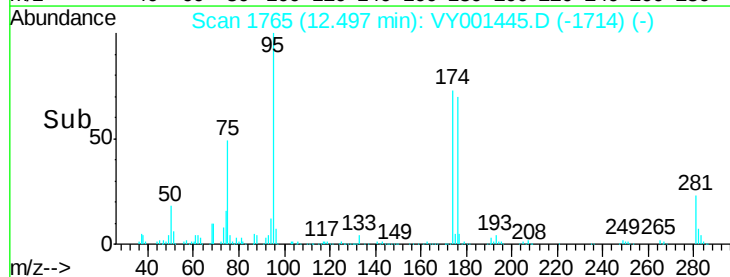
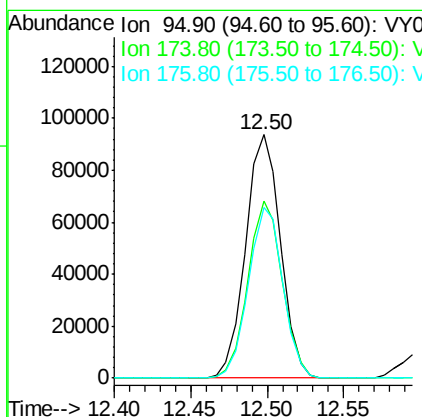
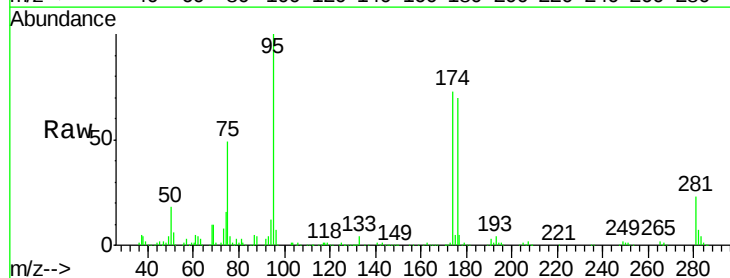
Manual Integrations  
APPROVED

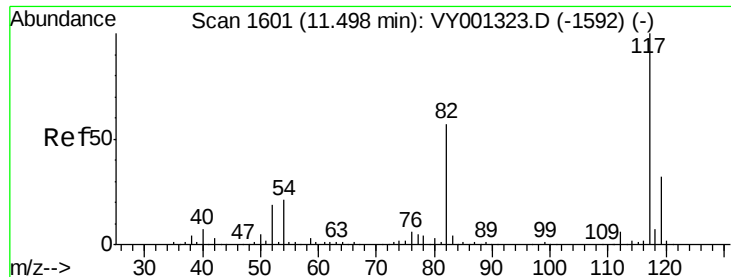
MMDadoda  
2/3/2020 10:53:03 AM



#62  
4-Bromofluorobenzene  
Concen: 49.705 ug/l  
RT: 12.50 min Scan# 1765  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 71.8  | 0.0   | 142.0 |
| 176     | 69.6  | 0.0   | 138.6 |





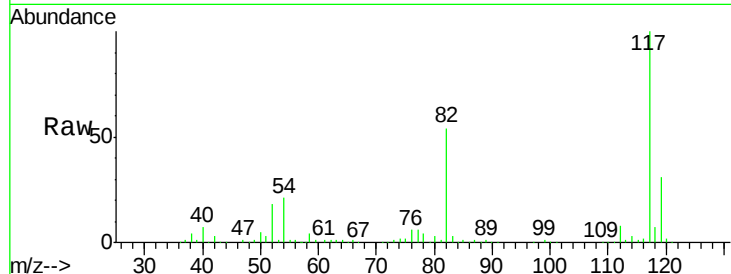
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.51 min Scan# 1603  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.4  | 45.5  | 68.3  |
| 119     | 30.8  | 25.8  | 38.6  |

Manual Integrations  
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MMDadoda  
2/3/2020 10:53:03 AM

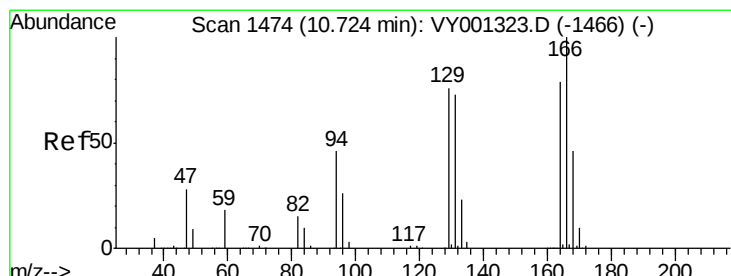
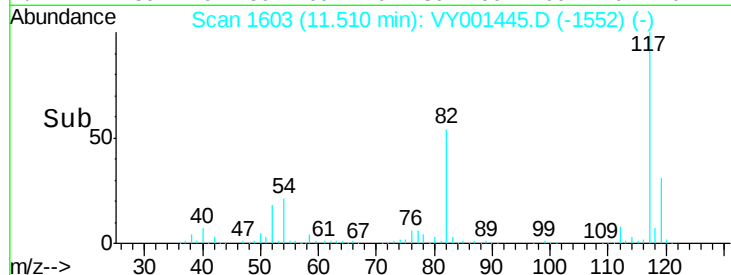
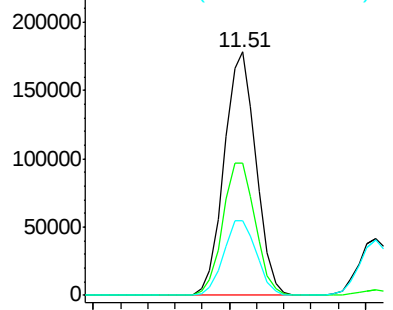


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64  
Tetrachloroethene  
Concen: 45.750 ug/l  
RT: 10.74 min Scan# 1477  
Delta R.T. 0.02 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 125.2 | 101.8 | 152.8 |
| 129     | 93.1  | 77.1  | 115.7 |
| 131     | 88.8  | 74.2  | 111.2 |

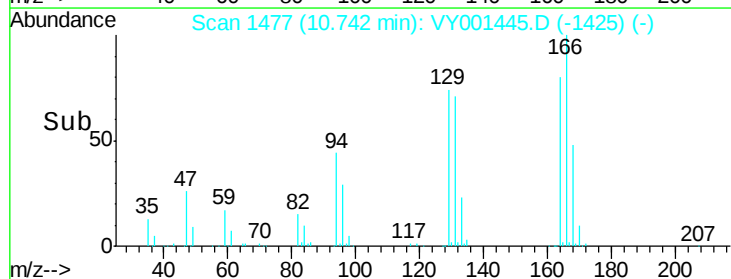
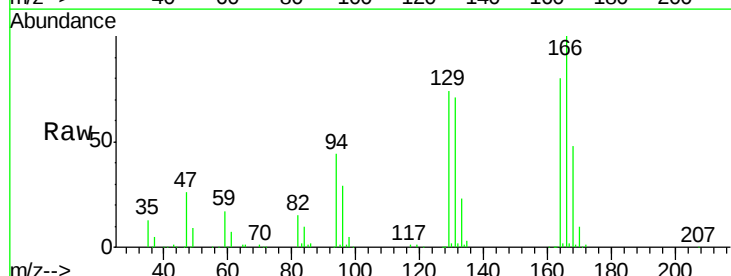
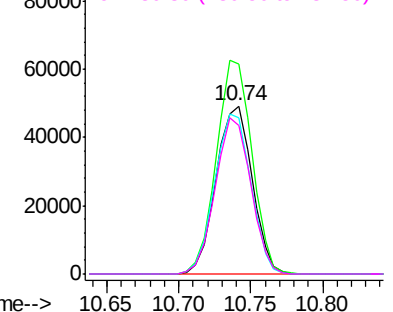
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





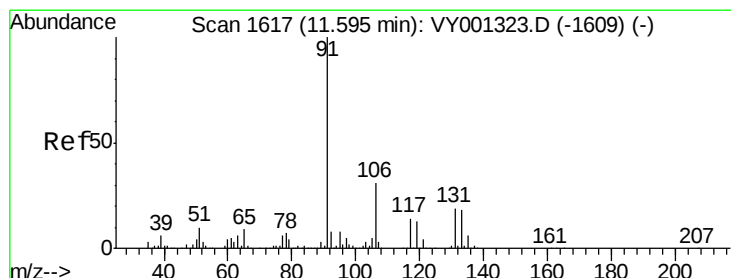
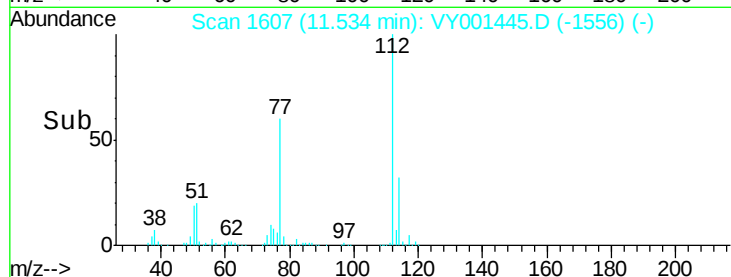
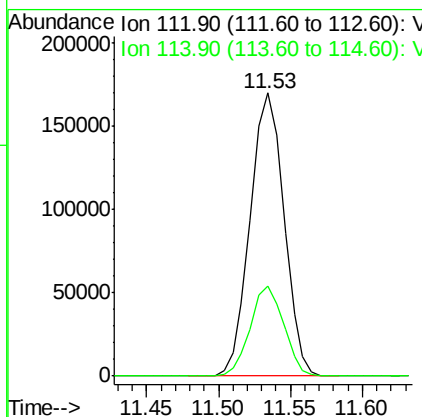
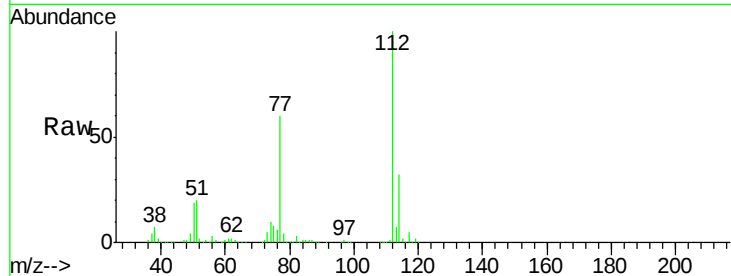
#65  
Chlorobenzene  
Concen: 45.181 ug/l  
RT: 11.53 min Scan# 1607  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.9  | 25.8  | 38.6  |

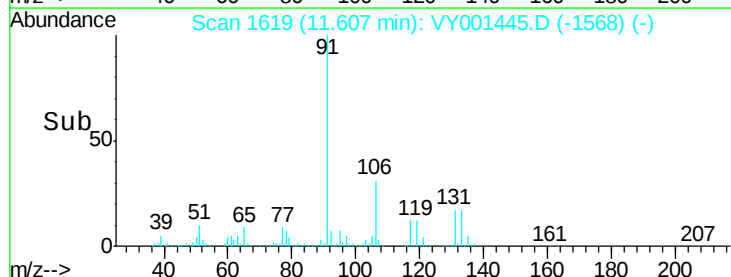
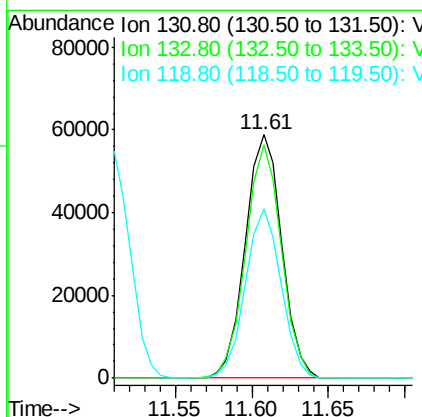
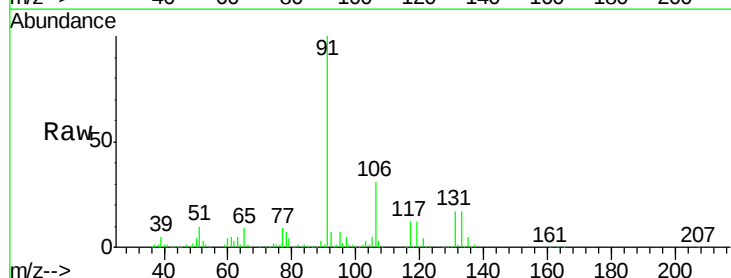
Manual Integrations  
APPROVED

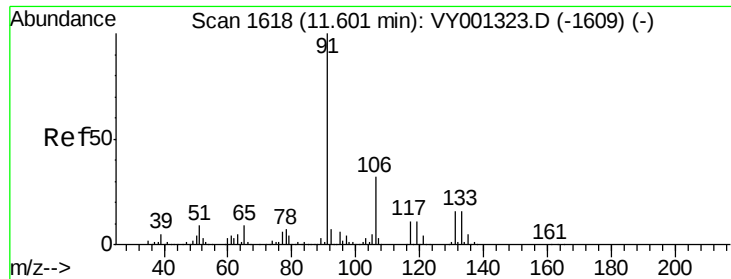
MMDadoda  
2/3/2020 10:53:03 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 46.547 ug/l  
RT: 11.61 min Scan# 1619  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 94.0  | 47.1  | 141.3 |
| 119     | 68.2  | 34.1  | 102.2 |





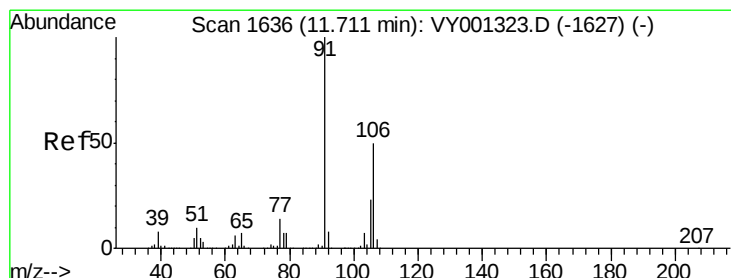
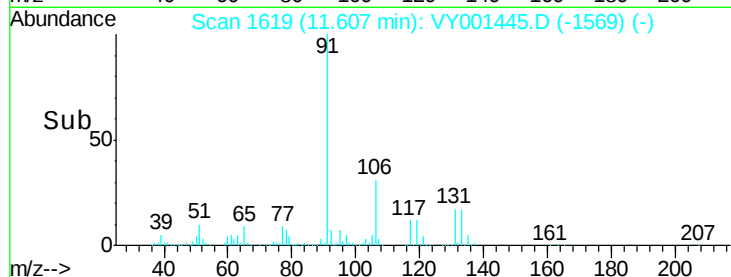
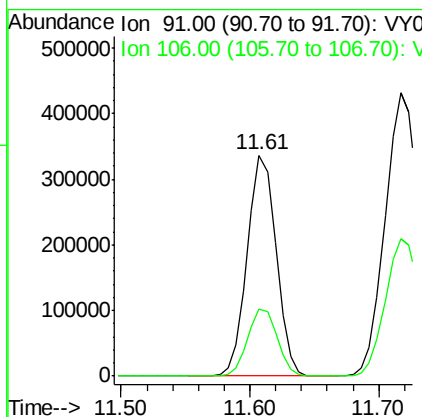
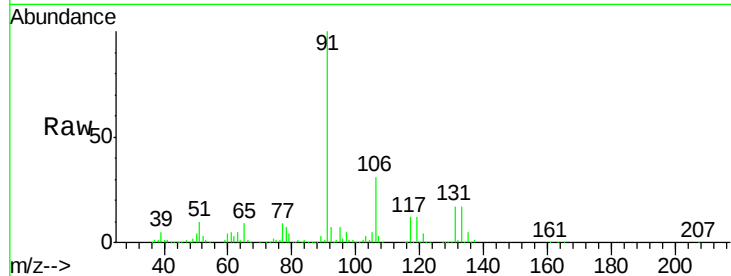
#67  
Ethyl Benzene  
Concen: 46.178 ug/l  
RT: 11.61 min Scan# 1619  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 522197  
Ion Ratio Lower Upper  
91 100  
106 30.7 25.4 38.0

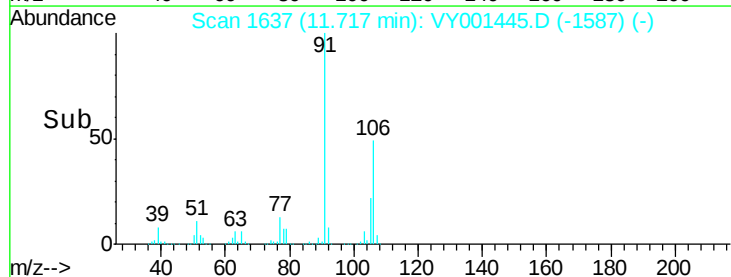
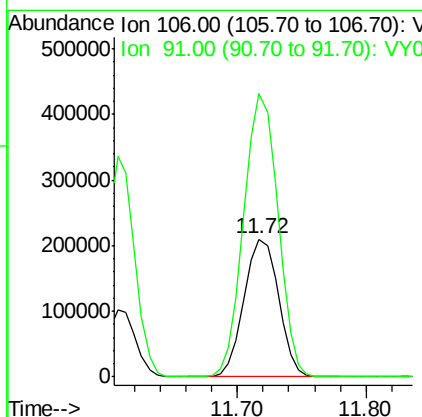
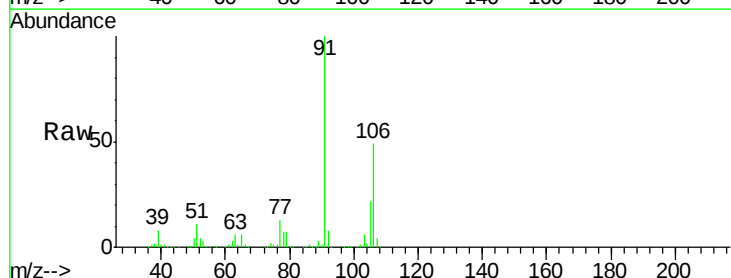
Manual Integrations  
APPROVED

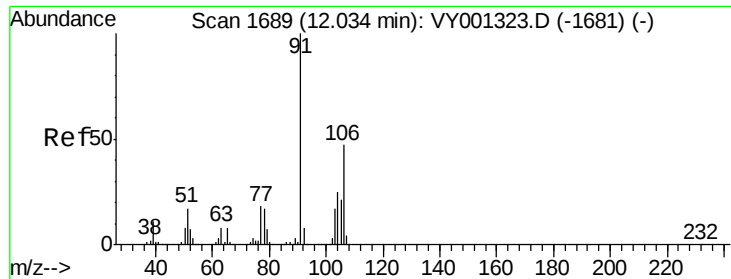
MMDadoda  
2/3/2020 10:53:03 AM



#68  
m/p-Xylenes  
Concen: 92.369 ug/l  
RT: 11.72 min Scan# 1637  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Tgt Ion: 106 Resp: 390124  
Ion Ratio Lower Upper  
106 100  
91 203.5 162.8 244.2





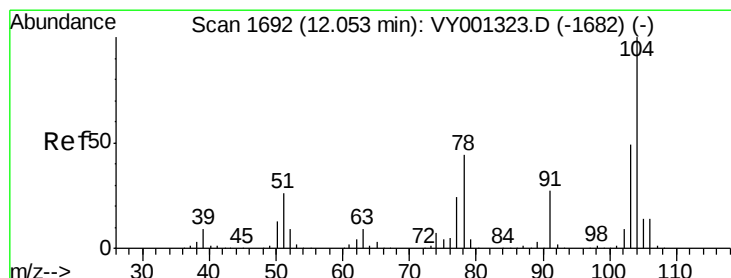
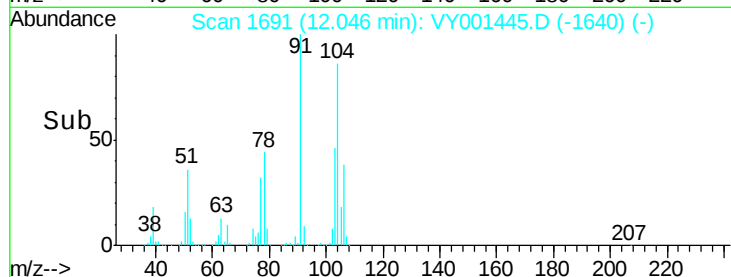
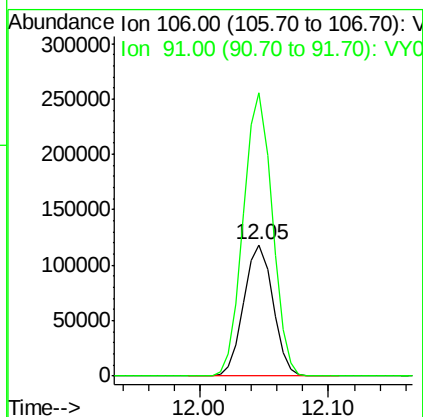
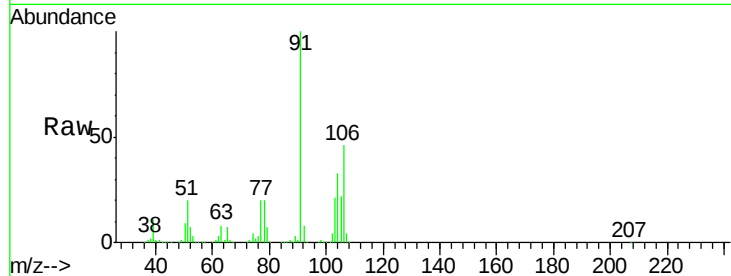
#69  
o-Xylene  
Concen: 45.776 ug/l  
RT: 12.05 min Scan# 1691  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampled :  
VSTDCCC050

Tot Ion:106 Resp: 185990  
Ion Ratio Lower Upper  
106 100  
91 213.1 106.3 319.0

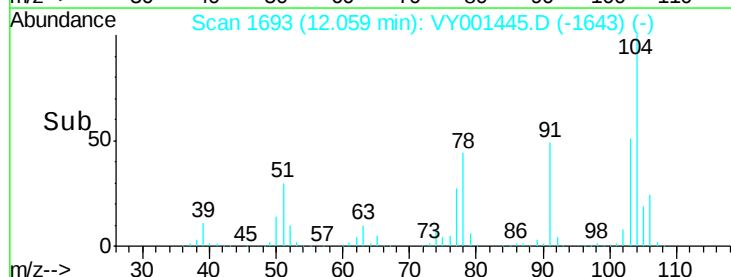
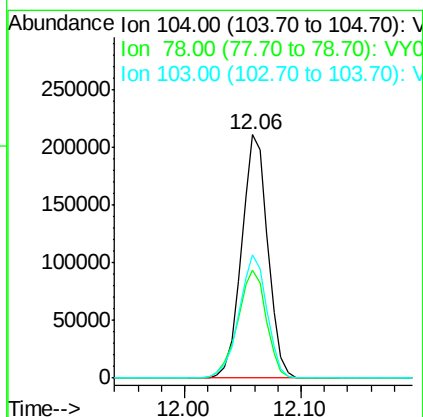
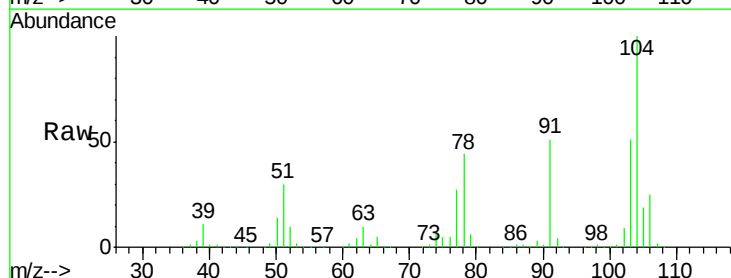
Manual Integrations  
APPROVED

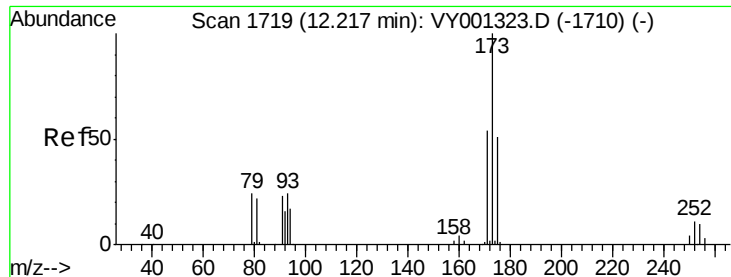
MMDadoda  
2/3/2020 10:53:03 AM



#70  
Styrene  
Concen: 46.333 ug/l  
RT: 12.06 min Scan# 1693  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Tgt Ion:104 Resp: 330299  
Ion Ratio Lower Upper  
104 100  
78 48.3 39.8 59.8  
103 53.8 43.2 64.8





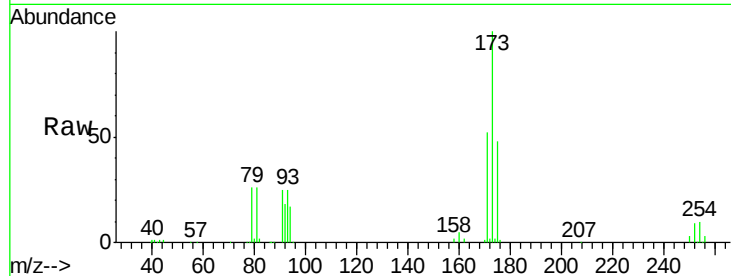
#71  
Bromoform  
Concen: 45.019 ug/l  
RT: 12.22 min Scan# 1720  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

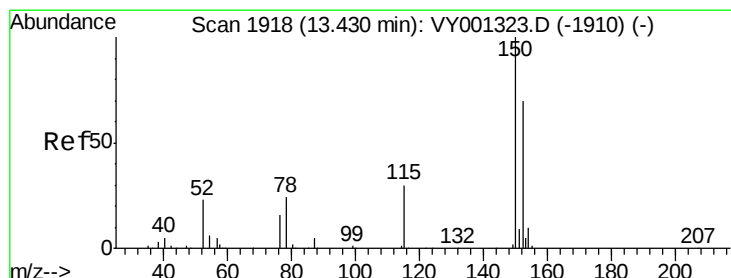
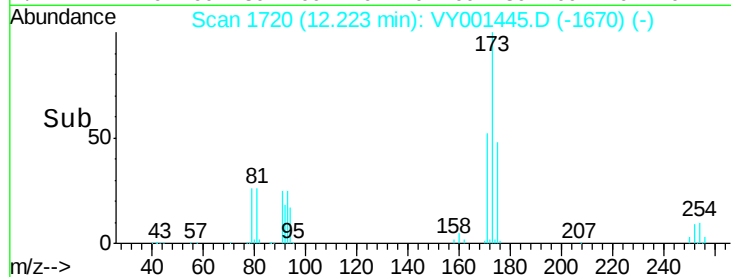
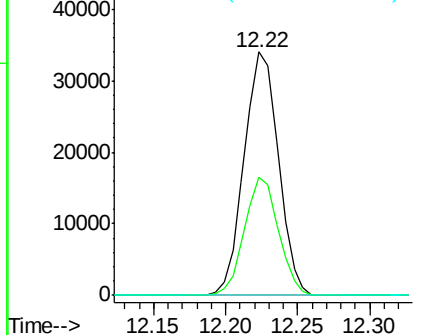
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.8  | 24.3  | 72.9  |
| 254     | 0.1   | 0.0   | 0.0#  |

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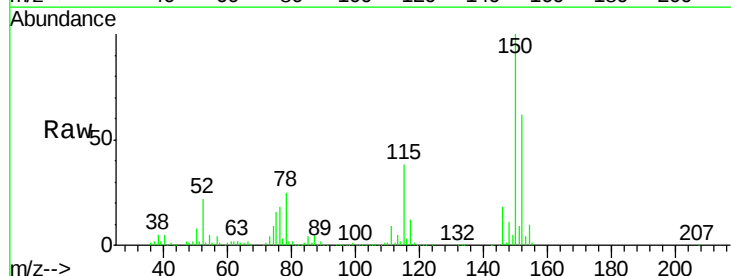


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

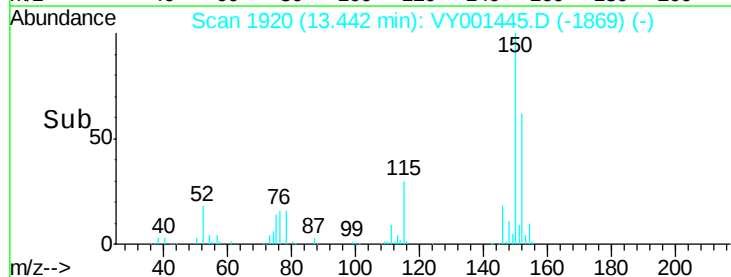
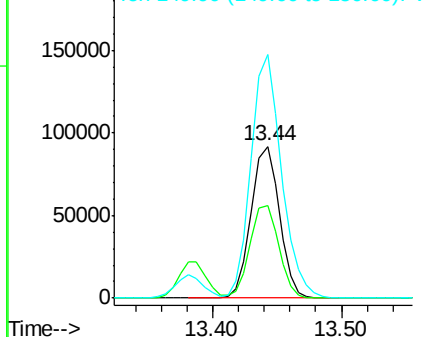


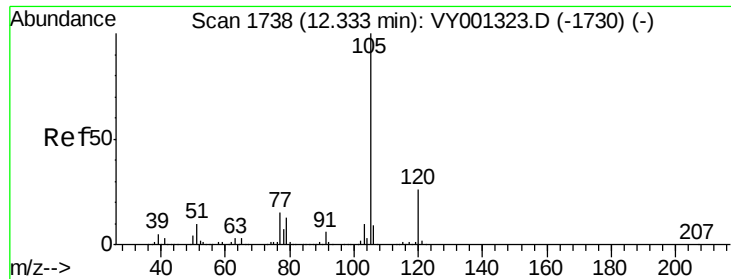
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.44 min Scan# 1920  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 62.0  | 30.9  | 92.8  |
| 150     | 172.5 | 0.0   | 349.2 |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





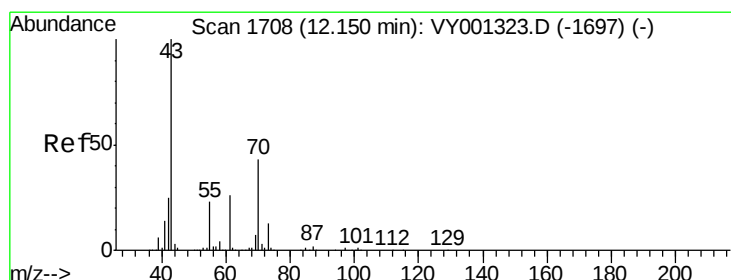
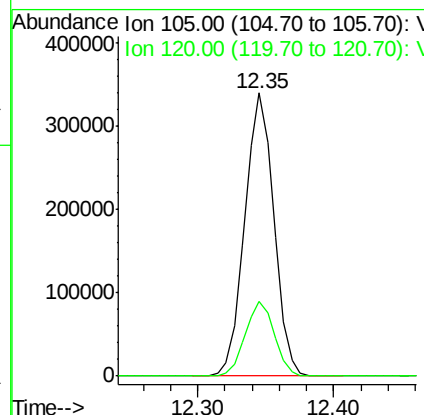
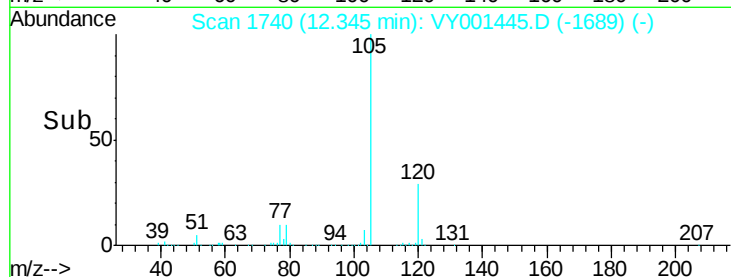
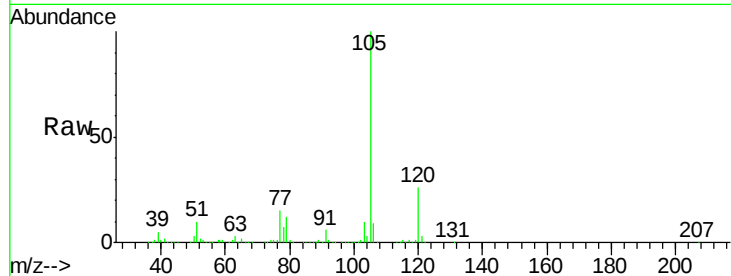
#73  
Isopropylbenzene  
Concen: 46.203 ug/l  
RT: 12.35 min Scan# 1740  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 508498 |       |       |
| 120     | 26.4  | 13.5   | 40.4  |       |

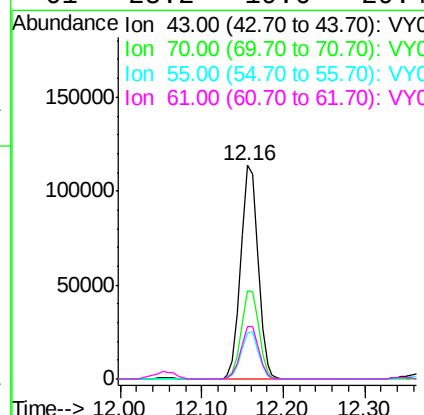
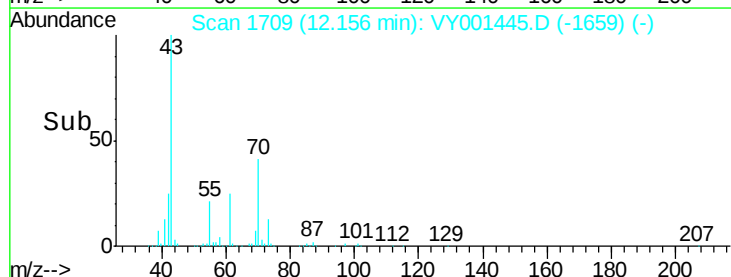
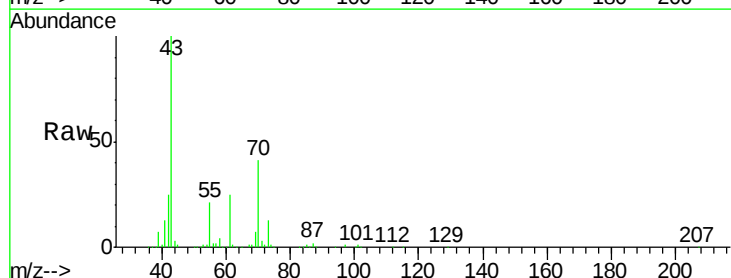
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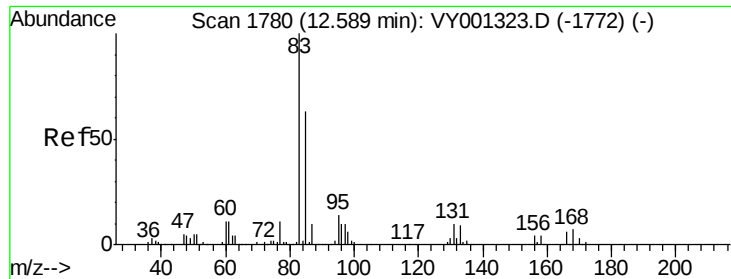
MMDadoda  
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#74  
N-ethyl acetate  
Concen: 45.663 ug/l  
RT: 12.16 min Scan# 1709  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 164505 |       |       |
| 70      | 42.2  | 33.5   | 50.3  |       |
| 55      | 22.4  | 18.2   | 27.2  |       |
| 61      | 25.2  | 19.6   | 29.4  |       |





#75

1,1,2,2-Tetrachloroethane

Concen: 46.089 ug/l

RT: 12.60 min Scan# 1782

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA\_Y

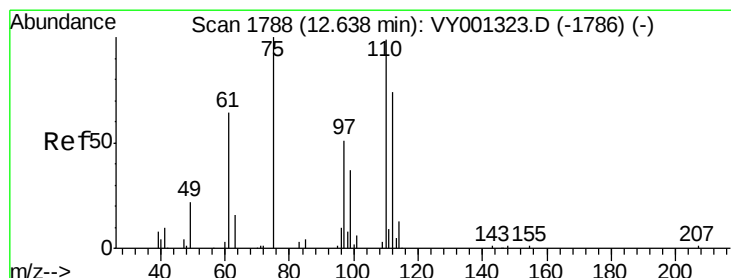
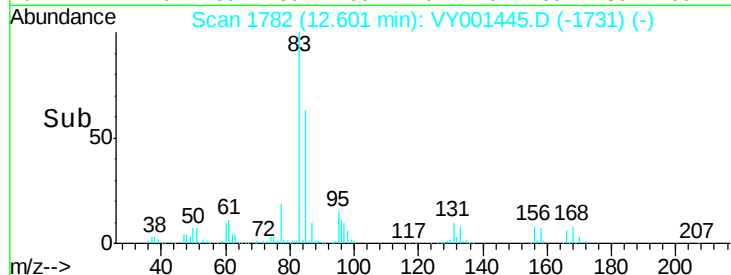
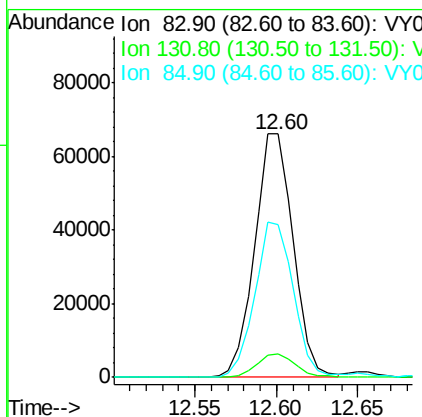
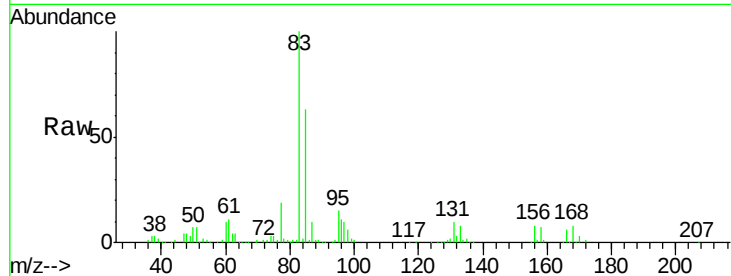
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 108633 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.8   | 4.9   | 14.6   |
| 85        | 63.7  | 31.4  | 94.3   |

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2/3/2020 10:53:03 AM



#76

1,2,3-Trichloropropane

Concen: 43.068 ug/l m

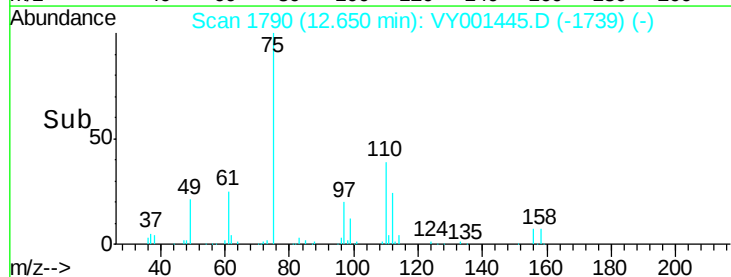
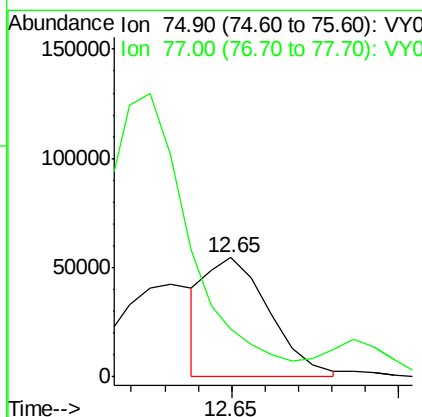
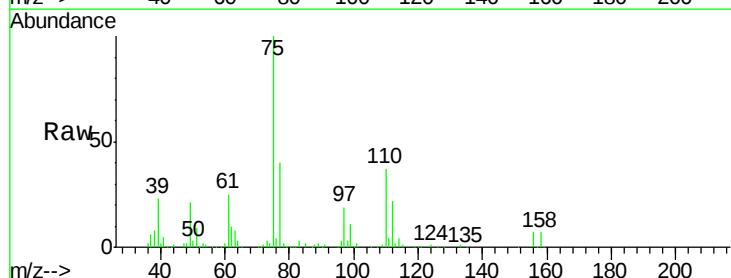
RT: 12.65 min Scan# 1790

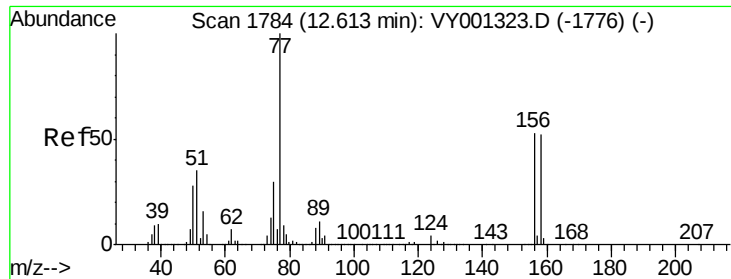
Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 72385 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





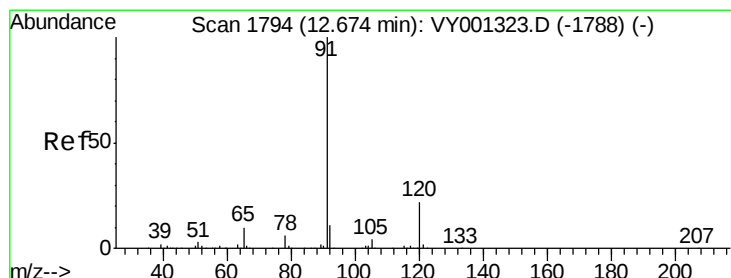
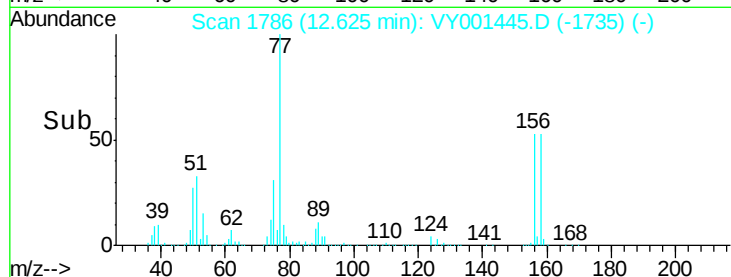
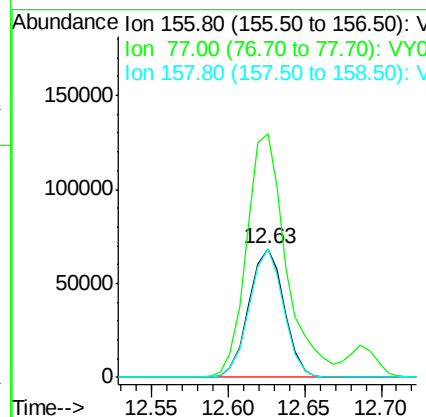
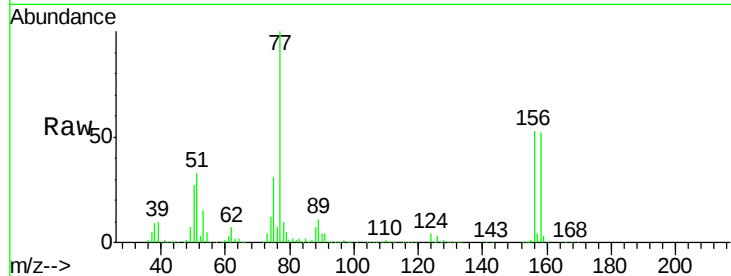
#77  
Bromobenzene  
Concen: 44.863 ug/l  
RT: 12.63 min Scan# 1786  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 213.2 | 104.7 | 313.9 |
| 158     | 96.2  | 48.6  | 145.8 |

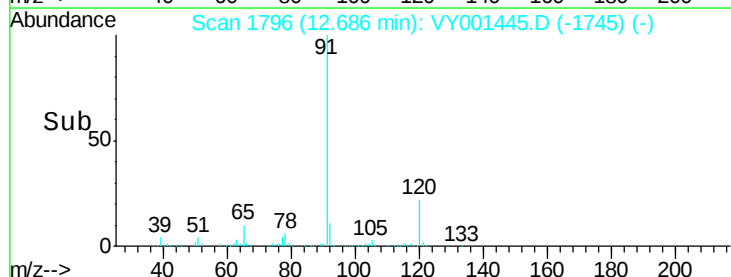
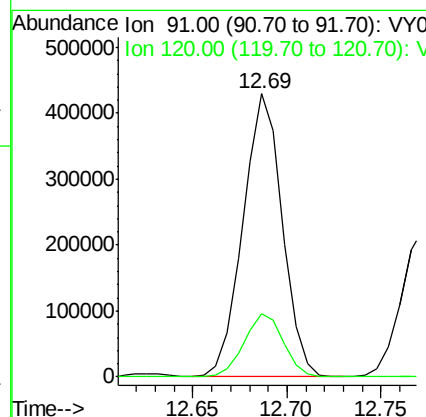
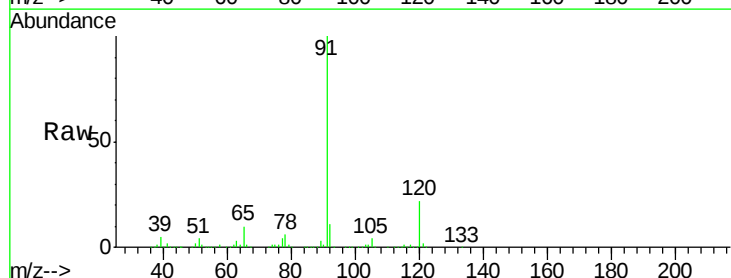
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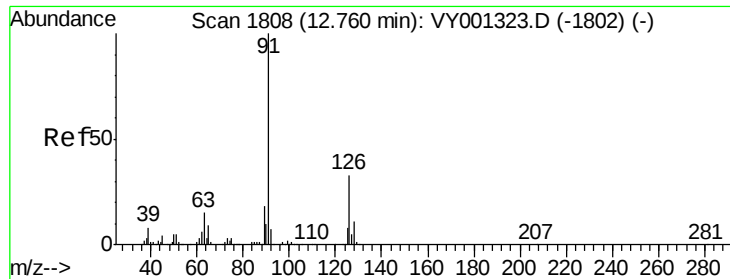
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2/3/2020 10:53:03 AM



#78  
n-propylbenzene  
Concen: 46.807 ug/l  
RT: 12.69 min Scan# 1796  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 22.4  | 11.3  | 33.8  |





#79

2-Chlorotoluene

Concen: 45.509 ug/l

RT: 12.77 min Scan# 1810

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 344404

Ion Ratio Lower Upper

91 100

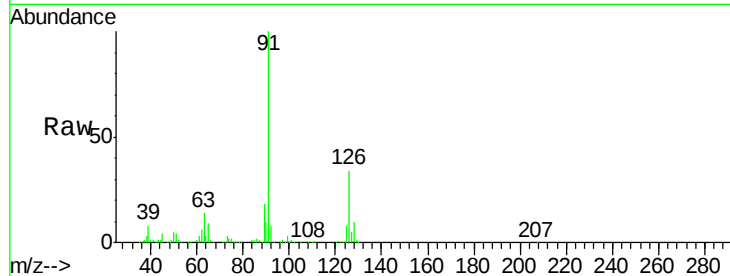
126 33.3 16.6 49.7

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Abundance Ion 91.00 (90.70 to 91.70): VY001323.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY001323.D (-1802) (-)

400000

300000

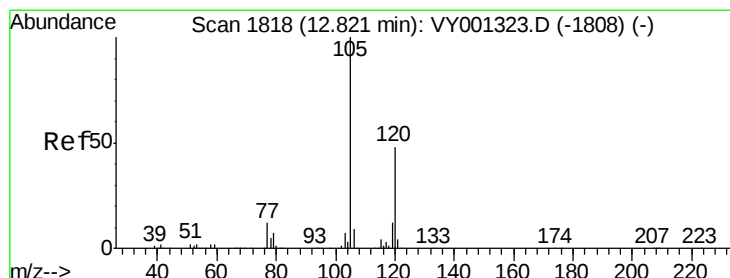
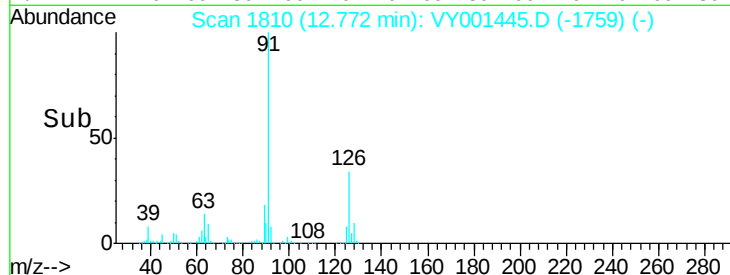
200000

100000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.232 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001445.D

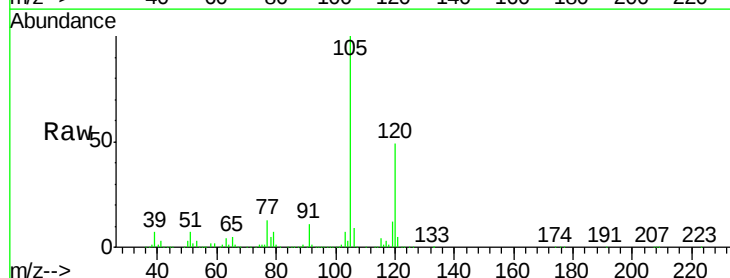
Acq: 31 Jan 2020 10:59

Tgt Ion: 105 Resp: 424721

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001323.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY001323.D (-1808) (-)

300000

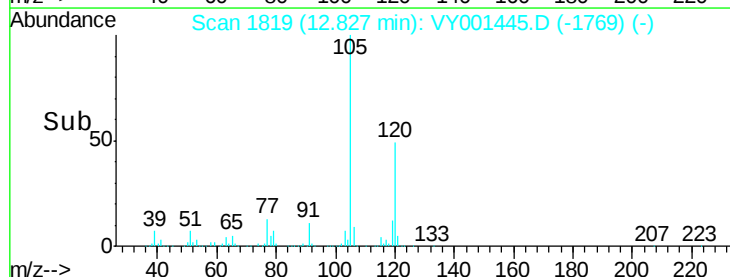
200000

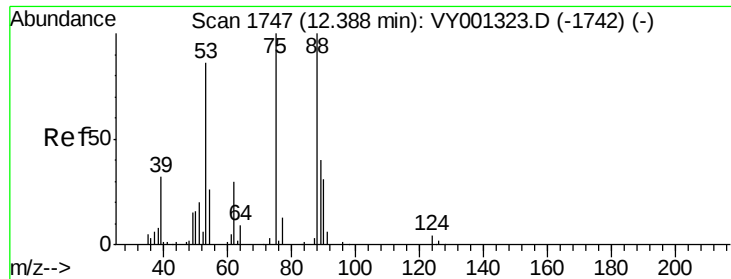
100000

0

12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 45.937 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA\_Y

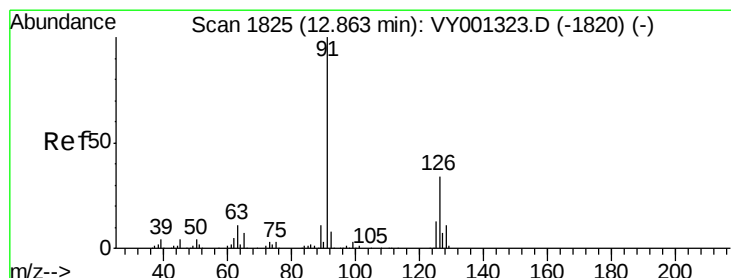
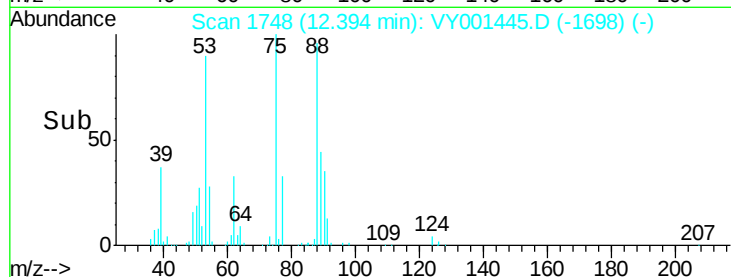
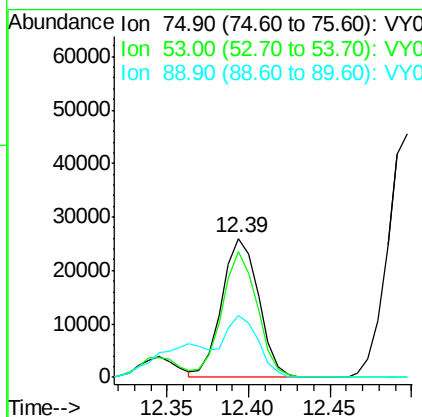
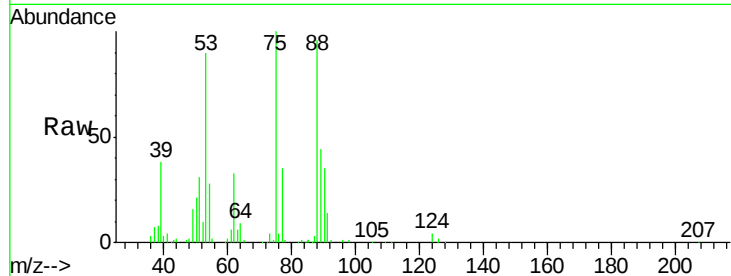
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 40798 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 86.7  | 69.9  | 104.9 |
| 89       | 41.8  | 36.6  | 54.8  |

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#82

4-Chlorotoluene

Concen: 44.801 ug/l

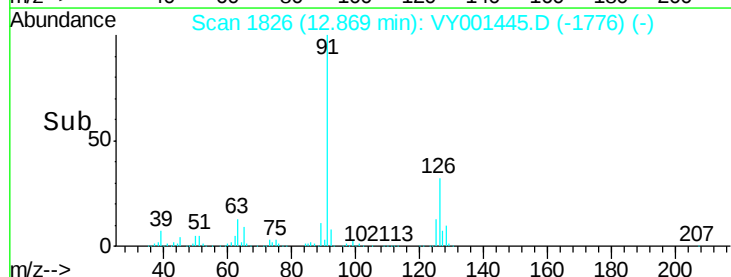
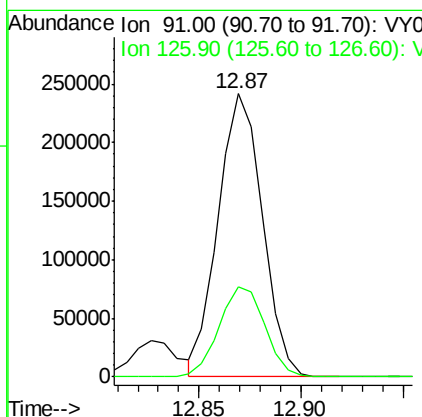
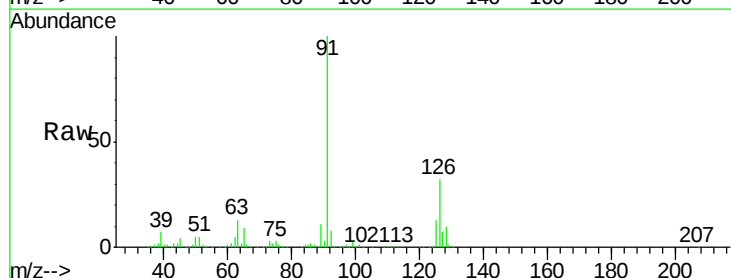
RT: 12.87 min Scan# 1826

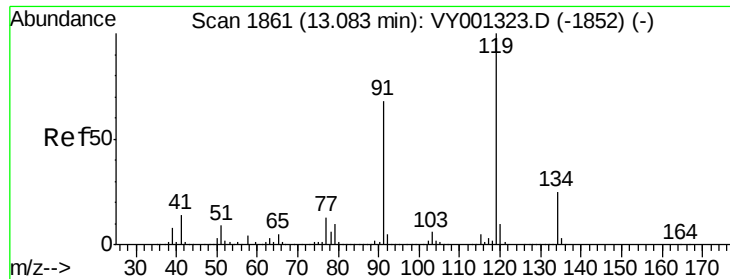
Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 362162 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 33.1  | 16.4  | 49.4   |





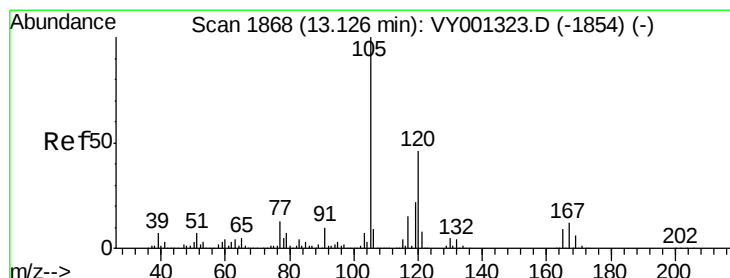
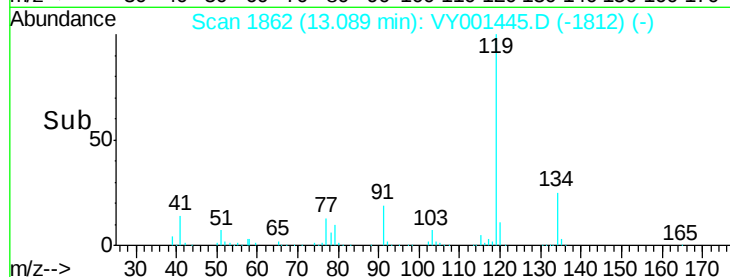
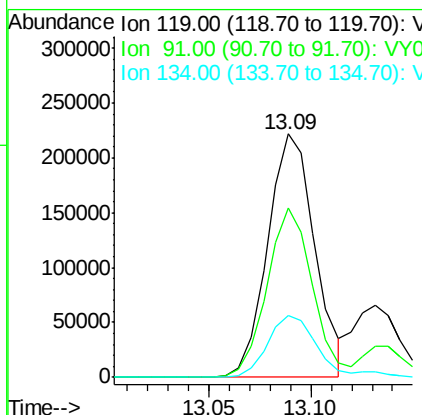
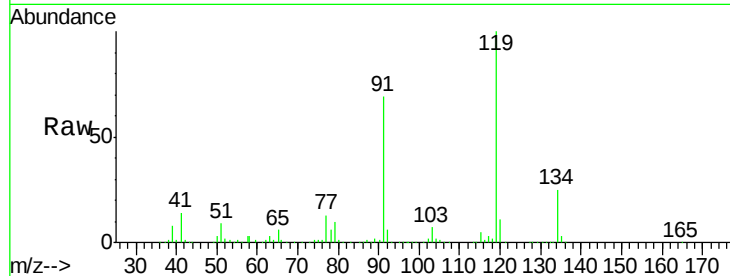
#83  
tert-Butylbenzene  
Concen: 46.047 ug/l  
RT: 13.09 min Scan# 1862  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 356582 |       |       |
| 91      | 67.2  | 33.0   | 99.0  |       |
| 134     | 27.3  | 13.3   | 39.9  |       |

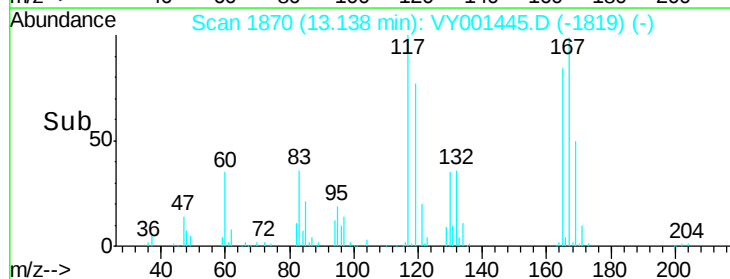
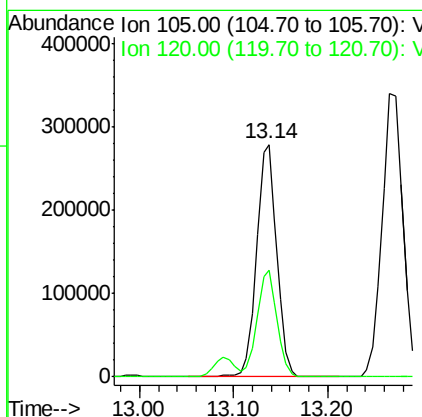
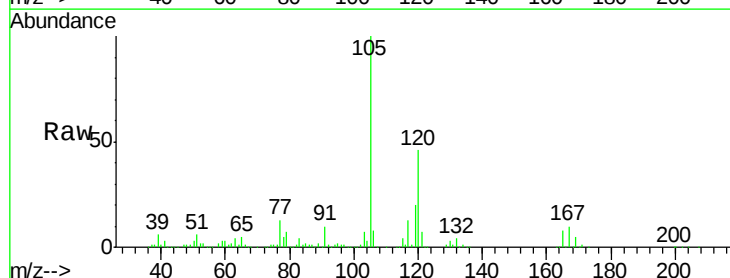
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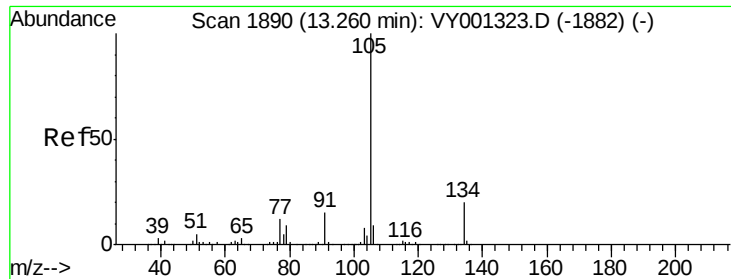
MMDadoda  
2/3/2020 10:53:03 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 45.684 ug/l  
RT: 13.14 min Scan# 1870  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 421361 |       |       |
| 120     | 45.3  | 22.4   | 67.3  |       |





#85

sec-Butylbenzene

Concen: 47.618 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 523902

Ion Ratio Lower Upper

105 100

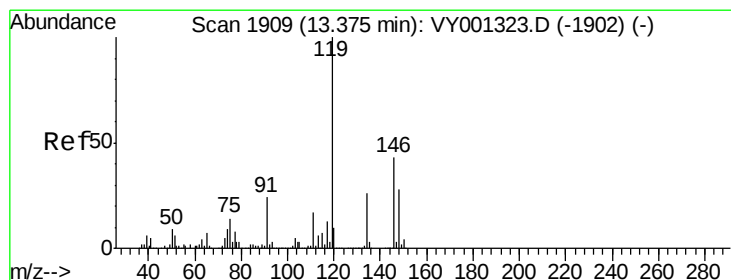
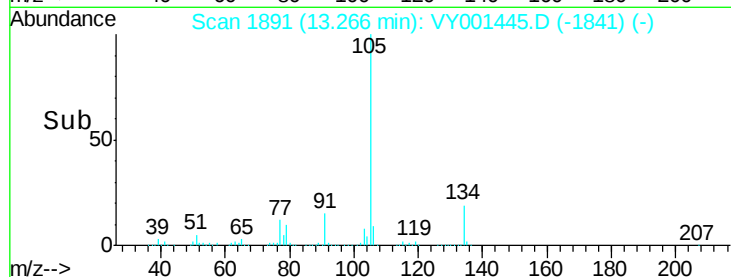
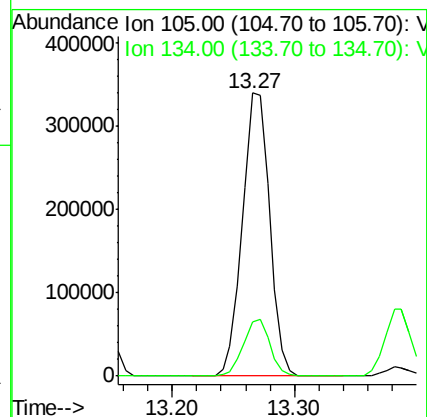
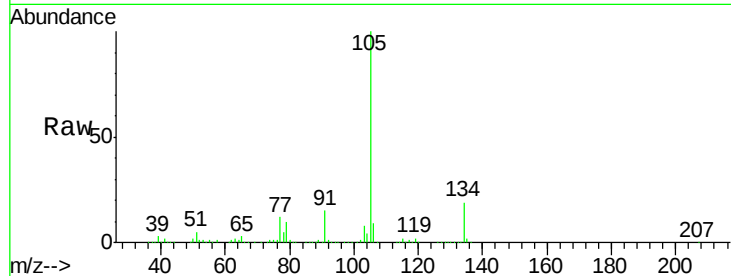
134 19.6 9.8 29.4

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2/3/2020 10:53:03 AM



#86

p-Isopropyltoluene

Concen: 47.185 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001445.D

Acq: 31 Jan 2020 10:59

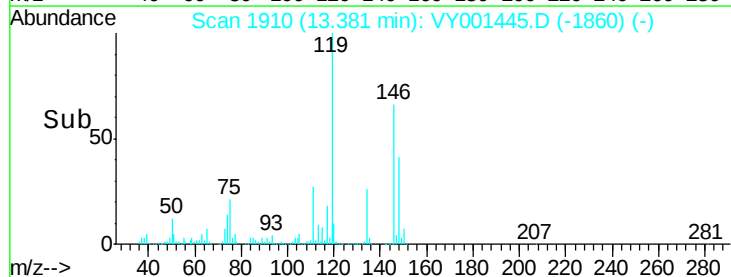
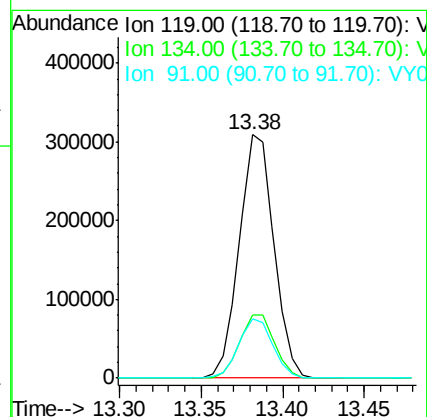
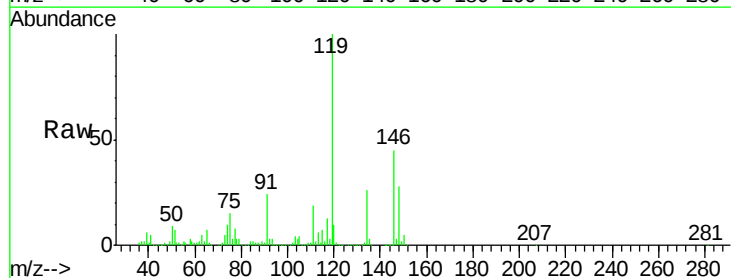
Tgt Ion:119 Resp: 457494

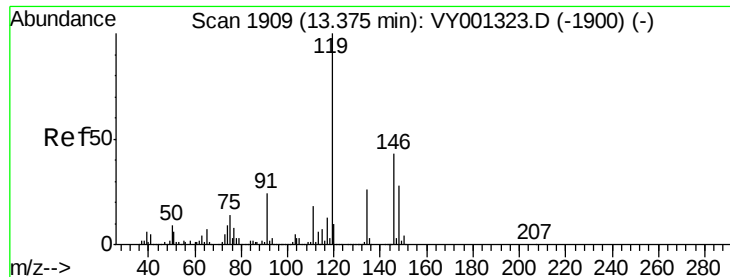
Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

91 24.1 12.2 36.6





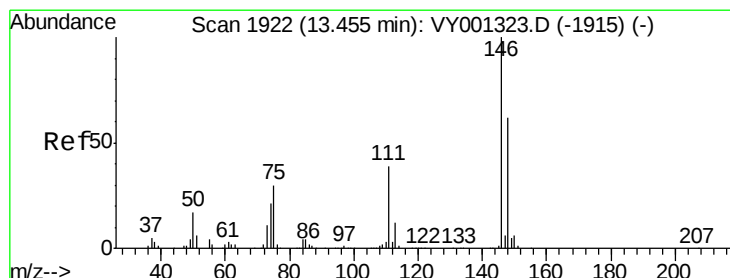
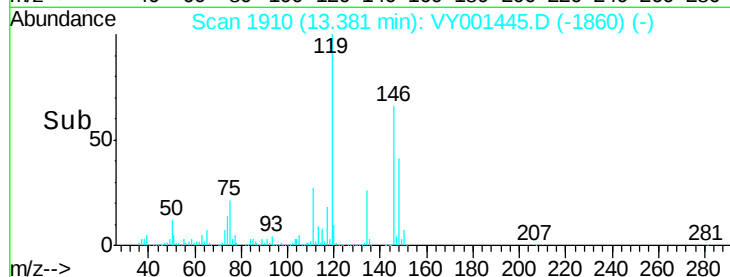
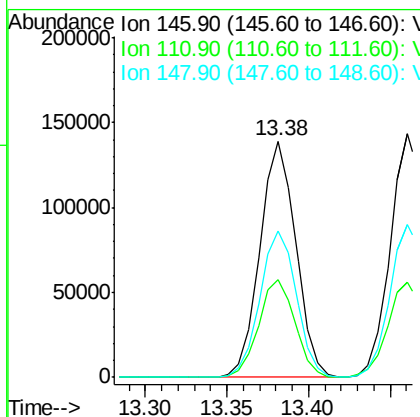
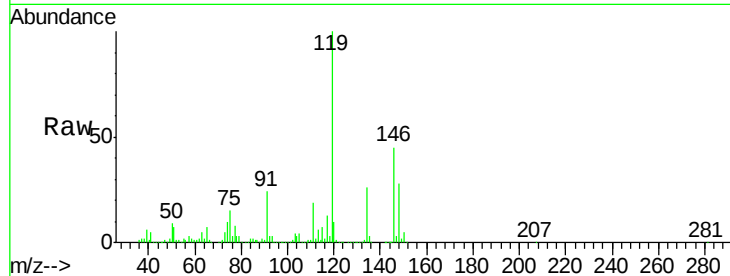
#87  
 1,3-Dichlorobenzene  
 Concen: 45.417 ug/l  
 RT: 13.38 min Scan# 1910  
 Delta R.T. 0.01 min  
 Lab File: VY001445.D  
 Acq: 31 Jan 2020 10:59

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.9  | 20.6  | 61.8  |
| 148     | 63.0  | 31.6  | 95.0  |

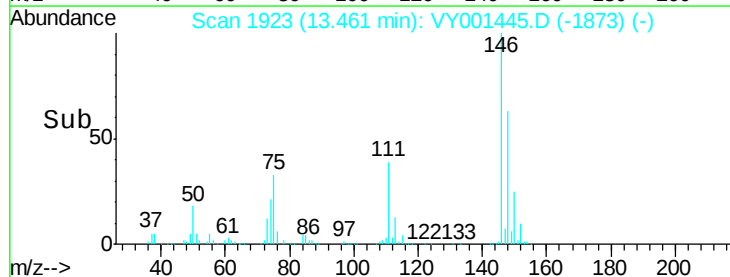
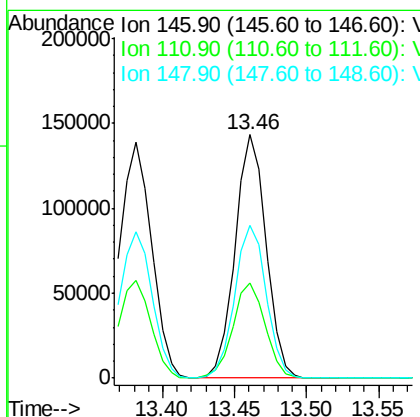
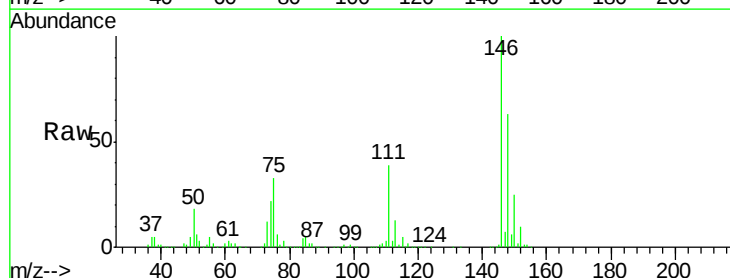
Manual Integrations  
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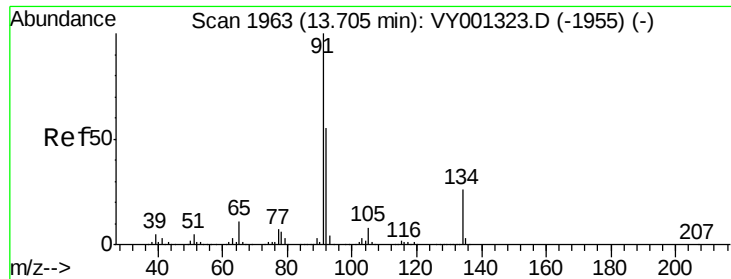
MMDadoda  
 2/3/2020 10:53:03 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 45.061 ug/l  
 RT: 13.46 min Scan# 1923  
 Delta R.T. 0.01 min  
 Lab File: VY001445.D  
 Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.0  | 20.5  | 61.5  |
| 148     | 63.9  | 31.6  | 95.0  |





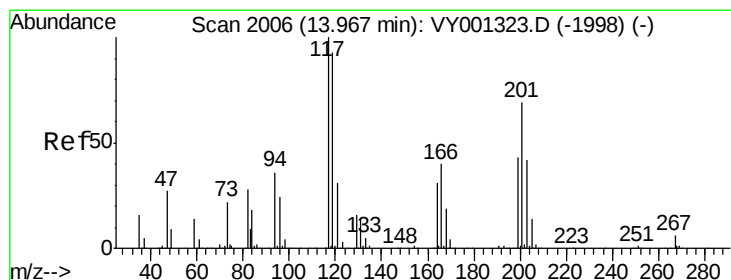
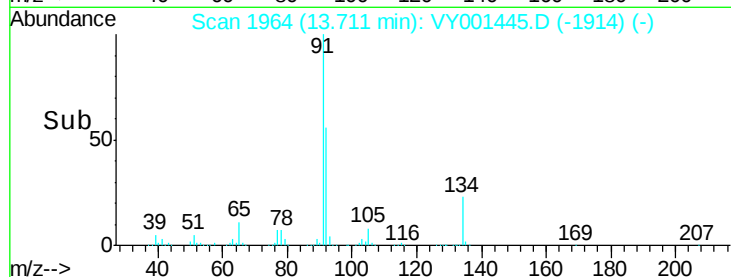
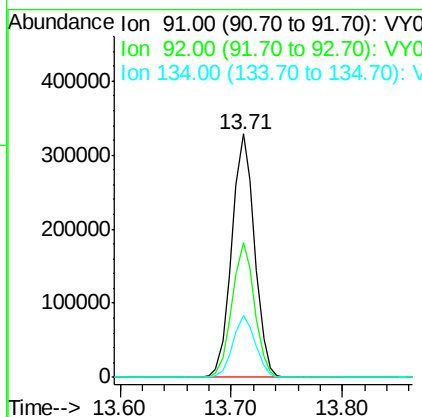
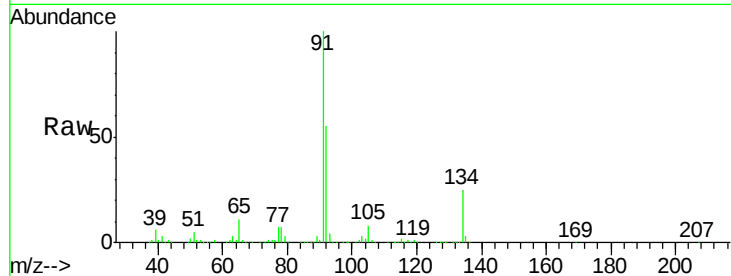
#89  
n-Butylbenzene  
Concen: 47.567 ug/l  
RT: 13.71 min Scan# 1964  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.7  | 27.6  | 82.8  |
| 134     | 25.0  | 12.9  | 38.6  |

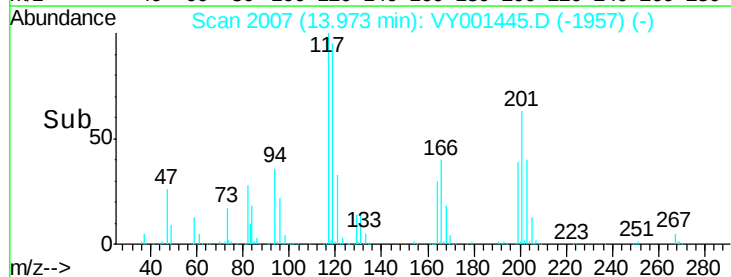
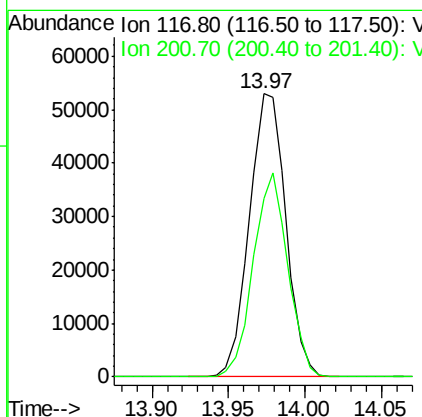
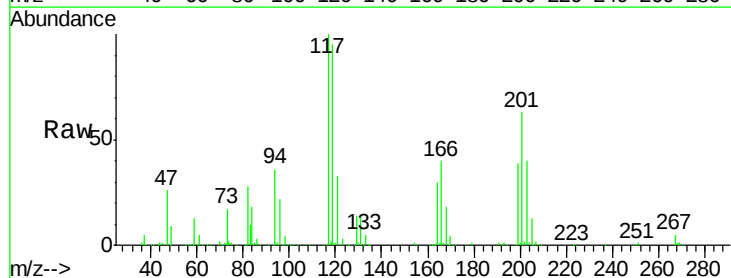
Manual Integrations  
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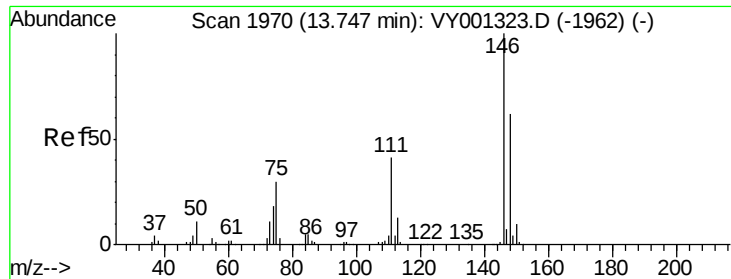
MMDadoda  
2/3/2020 10:53:03 AM



#90  
Hexachloroethane  
Concen: 47.935 ug/l  
RT: 13.97 min Scan# 2007  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 68.0  | 34.6  | 103.8 |





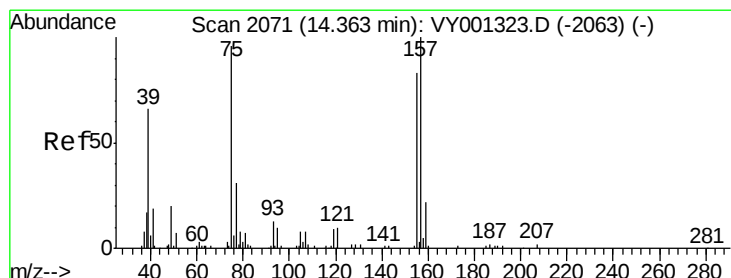
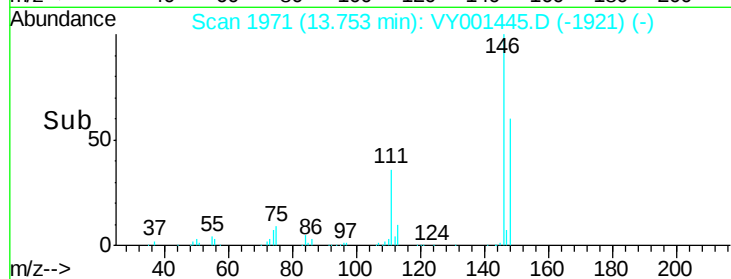
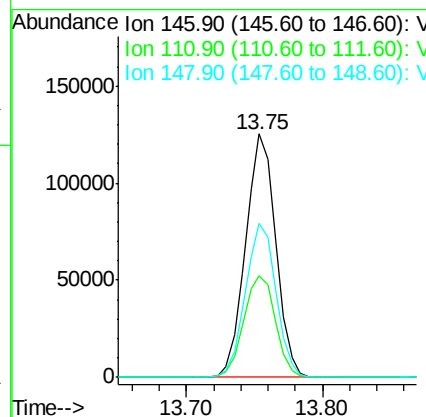
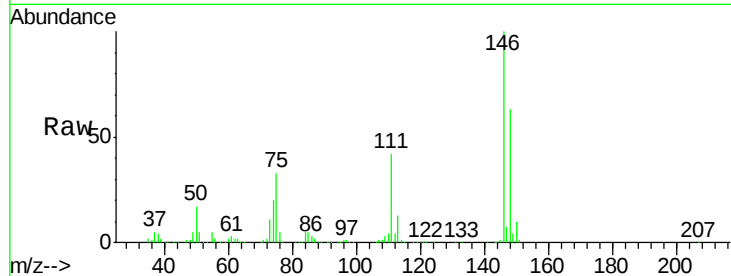
#91  
 1,2-Dichlorobenzene  
 Concen: 44.885 ug/l  
 RT: 13.75 min Scan# 1971  
 Delta R.T. 0.01 min  
 Lab File: VY001445.D  
 Acq: 31 Jan 2020 10:59

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.7  | 21.1  | 63.4  |
| 148     | 64.2  | 31.5  | 94.5  |

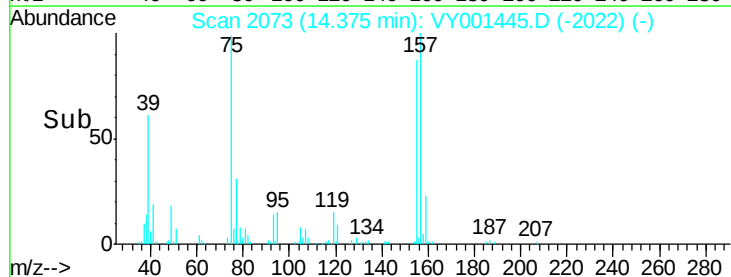
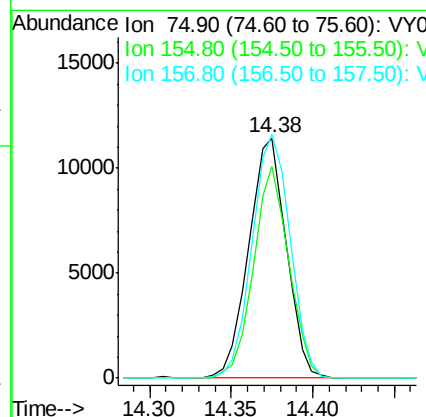
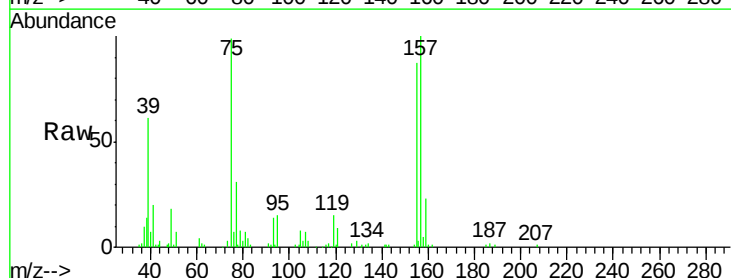
Manual Integrations  
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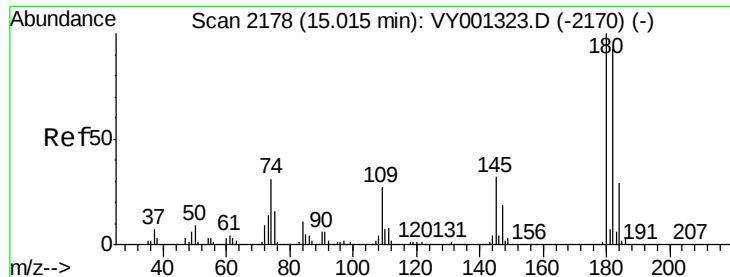
MMDadoda  
 2/3/2020 10:53:03 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 45.133 ug/l  
 RT: 14.38 min Scan# 2073  
 Delta R.T. 0.01 min  
 Lab File: VY001445.D  
 Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 83.0  | 43.0  | 129.2 |
| 157     | 102.9 | 53.3  | 160.0 |





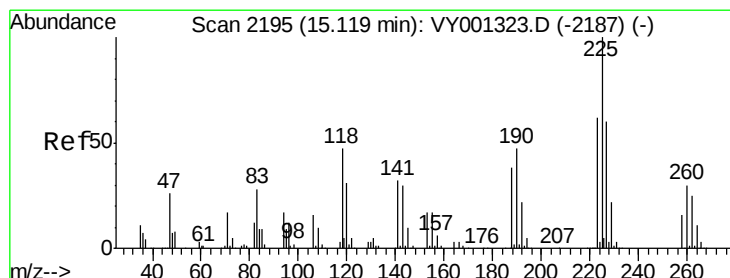
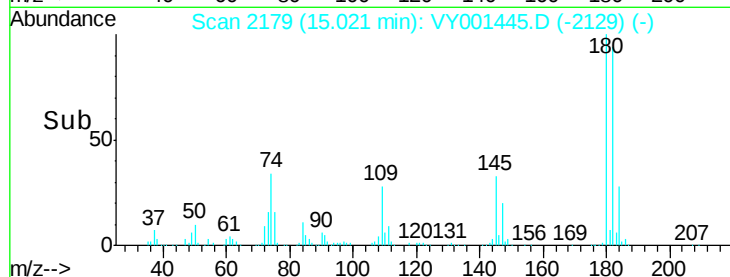
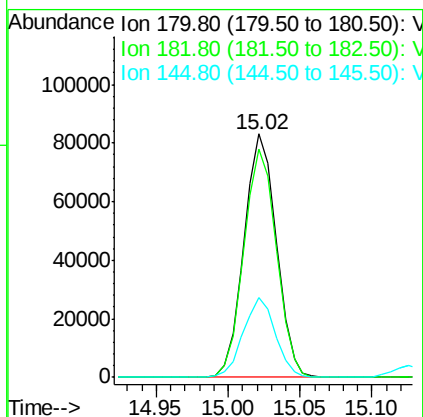
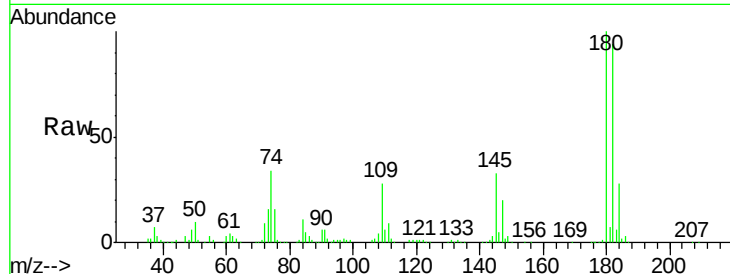
#93  
 1,2,4-Trichlorobenzene  
 Concen: 44.311 ug/l  
 RT: 15.02 min Scan# 2179  
 Delta R.T. 0.01 min  
 Lab File: VY001445.D  
 Acq: 31 Jan 2020 10:59

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.8  | 47.6  | 142.8 |
| 145     | 32.6  | 16.3  | 48.9  |

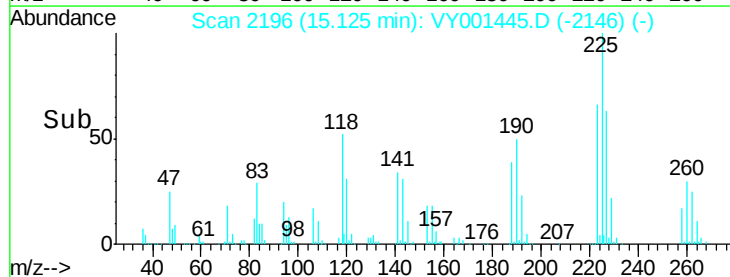
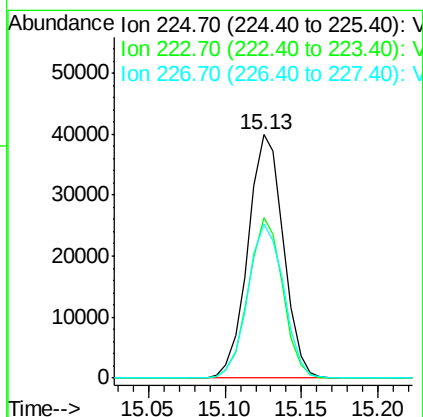
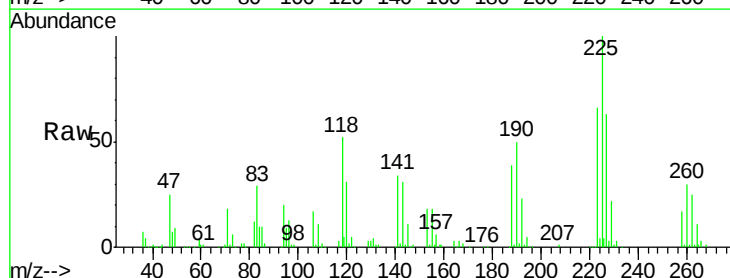
Manual Integrations  
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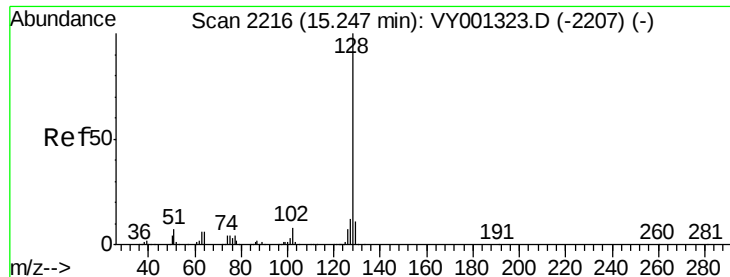
MMDadoda  
 2/3/2020 10:53:03 AM



#94  
 Hexachlorobutadiene  
 Concen: 45.309 ug/l  
 RT: 15.13 min Scan# 2196  
 Delta R.T. 0.01 min  
 Lab File: VY001445.D  
 Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.3  | 31.2  | 93.6  |
| 227     | 64.7  | 31.0  | 93.0  |





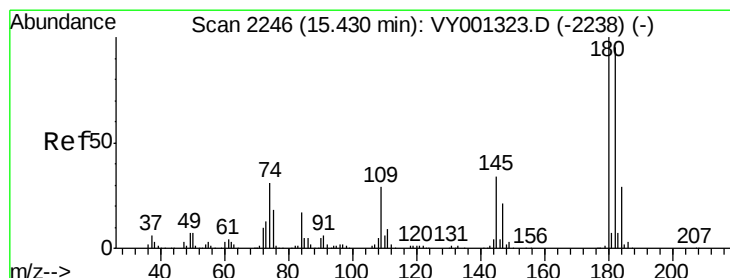
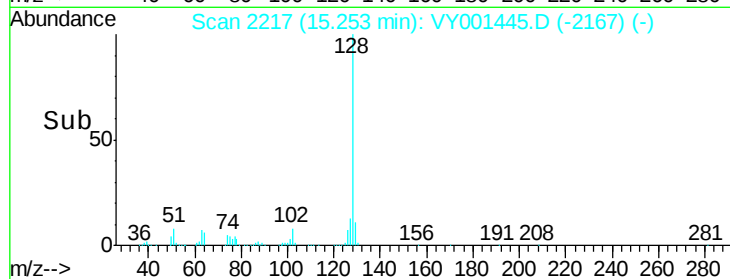
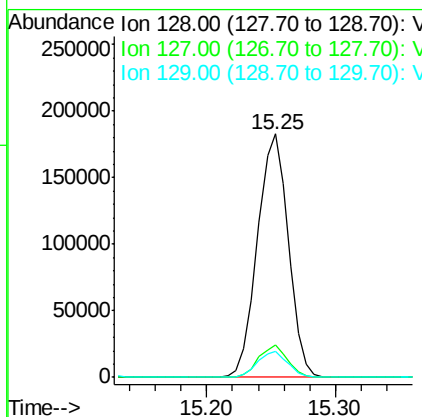
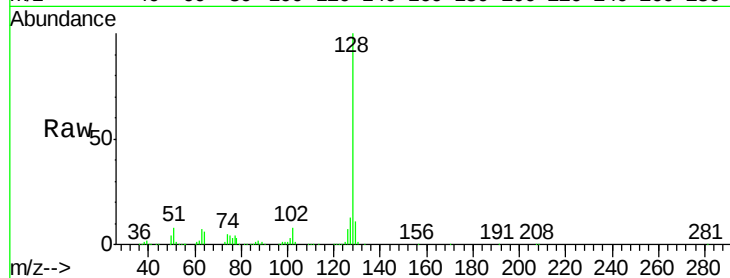
#95  
Naphthalene  
Concen: 45.603 ug/l  
RT: 15.25 min Scan# 2217  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.5  | 10.2  | 15.2  |
| 129     | 10.6  | 8.7   | 13.1  |

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2/3/2020 10:53:03 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 44.696 ug/l  
RT: 15.44 min Scan# 2247  
Delta R.T. 0.01 min  
Lab File: VY001445.D  
Acq: 31 Jan 2020 10:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.8  | 47.3  | 141.8 |
| 145     | 33.2  | 16.8  | 50.3  |

