

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020620\  
 Data File : VY001548.D  
 Acq On : 06 Feb 2020 21:44  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 2/7/2020 4:50:56 PM

Quant Time: Feb 07 05:47:58 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y020420S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 04 15:10:08 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.83  | 168  | 201084   | 50.00 | ug/l  | 0.02     |
| 34) 1,4-Difluorobenzene    | 8.72  | 114  | 362987   | 50.00 | ug/l  | 0.01     |
| 63) Chlorobenzene-d5       | 11.51 | 117  | 332539   | 50.00 | ug/l  | 0.01     |
| 72) 1,4-Dichlorobenzene-d4 | 13.44 | 152  | 161651   | 50.00 | ug/l  | 0.01     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.17   | 65  | 116334   | 57.46 | ug/l    | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 114.92% |      |
| 35) Dibromofluoromethane  | 7.75   | 113 | 104591   | 49.97 | ug/l    | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.94%  |      |
| 50) Toluene-d8            | 10.20  | 98  | 429486   | 54.23 | ug/l    | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.46% |      |
| 62) 4-Bromofluorobenzene  | 12.50  | 95  | 161418   | 51.74 | ug/l    | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.48% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.91 | 85  | 92485   | 46.986  | ug/l | 97     |
| 3) Chloromethane              | 2.13 | 50  | 124668  | 60.599  | ug/l | 96     |
| 4) Vinyl Chloride             | 2.27 | 62  | 126918  | 59.414  | ug/l | 99     |
| 5) Bromomethane               | 2.67 | 94  | 87535   | 65.158  | ug/l | 100    |
| 6) Chloroethane               | 2.82 | 64  | 81747   | 63.487  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.15 | 101 | 167095  | 47.257  | ug/l | 100    |
| 8) Diethyl Ether              | 3.56 | 74  | 69637   | 58.362  | ug/l | 93     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.93 | 101 | 104304  | 49.027  | ug/l | 99     |
| 10) Methyl Iodide             | 4.12 | 142 | 134904  | 49.765  | ug/l | 98     |
| 11) Tert butyl alcohol        | 5.00 | 59  | 66336   | 297.835 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.91 | 96  | 107380  | 50.792  | ug/l | 97     |
| 13) Acrolein                  | 3.76 | 56  | 53407   | 278.584 | ug/l | 99     |
| 14) Allyl chloride            | 4.52 | 41  | 189941  | 58.730  | ug/l | 97     |
| 15) Acrylonitrile             | 5.21 | 53  | 182829  | 334.237 | ug/l | 99     |
| 16) Acetone                   | 3.99 | 43  | 165347  | 282.333 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.23 | 76  | 349459  | 51.924  | ug/l | 98     |
| 18) Methyl Acetate            | 4.52 | 43  | 82839   | 66.284  | ug/l | 96     |
| 19) Methyl tert-butyl Ether   | 5.27 | 73  | 319491  | 56.826  | ug/l | 100    |
| 20) Methylene Chloride        | 4.76 | 84  | 128144  | 56.496  | ug/l | 87     |
| 21) trans-1,2-Dichloroethene  | 5.26 | 96  | 124860  | 53.126  | ug/l | 98     |
| 22) Diisopropyl ether         | 6.16 | 45  | 410298  | 64.034  | ug/l | 92     |
| 23) Vinyl Acetate             | 6.11 | 43  | 1376224 | 337.395 | ug/l | 96     |
| 24) 1,1-Dichloroethane        | 6.06 | 63  | 216379  | 56.143  | ug/l | 97     |
| 25) 2-Butanone                | 7.03 | 43  | 253441  | 333.570 | ug/l | 94     |
| 26) 2,2-Dichloropropane       | 7.02 | 77  | 177986  | 48.253  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 7.02 | 96  | 141329  | 55.056  | ug/l | 99     |
| 28) Bromochloromethane        | 7.37 | 49  | 91235   | 69.489  | ug/l | 89     |
| 29) Tetrahydrofuran           | 7.38 | 42  | 163382  | 358.773 | ug/l | 94     |
| 30) Chloroform                | 7.55 | 83  | 209139  | 53.572  | ug/l | 99     |
| 31) Cyclohexane               | 7.82 | 56  | 207973  | 52.753  | ug/l | 92     |
| 32) 1,1,1-Trichloroethane     | 7.74 | 97  | 179211  | 50.632  | ug/l | 97     |
| 36) 1,1-Dichloropropene       | 7.95 | 75  | 168668  | 50.794  | ug/l | 98     |
| 37) Ethyl Acetate             | 7.11 | 43  | 108806  | 67.686  | ug/l | 96     |
| 38) Carbon Tetrachloride      | 7.93 | 117 | 151214  | 47.067  | ug/l | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020620\  
 Data File : VY001548.D  
 Acq On : 06 Feb 2020 21:44  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 2/7/2020 4:50:56 PM

Quant Time: Feb 07 05:47:58 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y020420S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 04 15:10:08 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.21  | 83   | 220505   | 50.432   | ug/l   | 99       |
| 40) Benzene                    | 8.19  | 78   | 516731   | 54.556   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.35  | 41   | 55932m   | 75.074   | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.27  | 62   | 145246   | 55.043   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.30  | 43   | 212400   | 66.734   | ug/l   | 94       |
| 44) Trichloroethene            | 8.97  | 130  | 128487   | 50.327   | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 9.24  | 63   | 131233   | 57.379   | ug/l   | 99       |
| 46) Dibromomethane             | 9.33  | 93   | 71363    | 55.566   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.52  | 83   | 167849   | 53.640   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.32  | 41   | 96169    | 66.573   | ug/l   | 94       |
| 49) 1,4-Dioxane                | 9.32  | 88   | 19387    | 1143.034 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 10.09 | 43   | 549089   | 350.311  | ug/l   | 95       |
| 52) Toluene                    | 10.27 | 92   | 321453   | 53.489   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.49 | 75   | 187430   | 54.993   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.95  | 75   | 210564   | 53.813   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 10.66 | 97   | 104790   | 56.870   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.53 | 69   | 160874   | 61.383   | ug/l   | 92       |
| 57) 1,3-Dichloropropane        | 10.81 | 76   | 184110   | 56.681   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.80  | 63   | 294843   | 305.809  | ug/l   | 96       |
| 59) 2-Hexanone                 | 10.85 | 43   | 397552   | 348.833  | ug/l   | 96       |
| 60) Dibromochloromethane       | 11.00 | 129  | 117395   | 54.049   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.11 | 107  | 100933   | 55.614   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.74 | 164  | 106368   | 48.774   | ug/l   | 98       |
| 65) Chlorobenzene              | 11.53 | 112  | 336315   | 51.508   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.61 | 131  | 116388   | 50.931   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.61 | 91   | 621181   | 51.454   | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.72 | 106  | 466301   | 102.888  | ug/l   | 99       |
| 69) o-Xylene                   | 12.05 | 106  | 221865   | 51.921   | ug/l   | 98       |
| 70) Styrene                    | 12.06 | 104  | 399076   | 54.005   | ug/l   | 98       |
| 71) Bromoform                  | 12.22 | 173  | 70108    | 55.096   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.34 | 105  | 596466   | 48.380   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.16 | 43   | 206742   | 64.532   | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.59 | 83   | 135578   | 57.880   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.65 | 75   | 88310m   | 50.800   | ug/l   |          |
| 77) Bromobenzene               | 12.63 | 156  | 133650   | 50.092   | ug/l   | 94       |
| 78) n-propylbenzene            | 12.69 | 91   | 726117   | 49.196   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.77 | 91   | 411530   | 48.915   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.83 | 105  | 501149   | 48.266   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.39 | 75   | 49165    | 54.724   | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.87 | 91   | 443171   | 50.241   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.09 | 119  | 416750   | 47.485   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.14 | 105  | 507308   | 49.366   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.27 | 105  | 607300   | 49.216   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.38 | 119  | 529858   | 48.728   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.38 | 146  | 258328   | 50.521   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.46 | 146  | 261404   | 51.030   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.71 | 91   | 538273   | 50.170   | ug/l   | 99       |
| 90) Hexachloroethane           | 13.98 | 117  | 103555   | 49.617   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.75 | 146  | 239142   | 51.609   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.38 | 75   | 22901    | 52.960   | ug/l   | 97       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020620\  
Data File : VY001548.D  
Acq On : 06 Feb 2020 21:44  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

MMDadoda  
2/7/2020 4:50:56 PM

Quant Time: Feb 07 05:47:58 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y020420S.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 04 15:10:08 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.02 | 180  | 155370   | 49.756 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.12 | 225  | 74786    | 47.189 | ug/l  | 98       |
| 95) Naphthalene            | 15.25 | 128  | 377689   | 51.465 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.44 | 180  | 141231   | 51.237 | ug/l  | 97       |

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

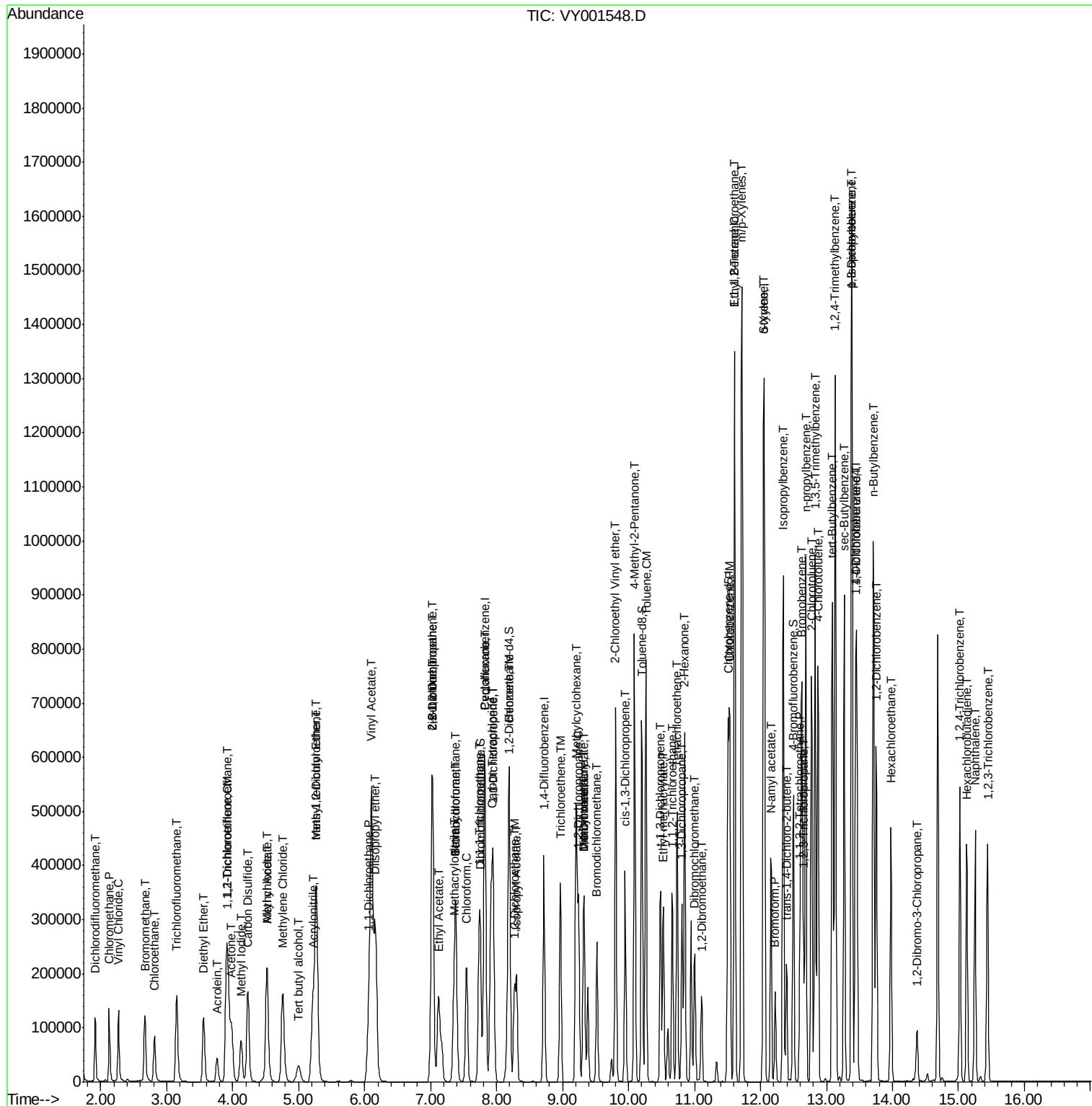
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020620\  
Data File : VY001548.D  
Acq On : 06 Feb 2020 21:44  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 26 Sample Multiplier: 1

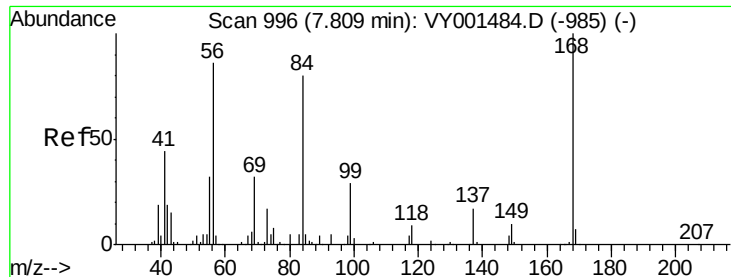
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

MMDadoda  
2/7/2020 4:50:56 PM

Quant Time: Feb 07 05:47:58 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y020420S.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 04 15:10:08 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.02 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 201084

Ion Ratio Lower Upper

168 100

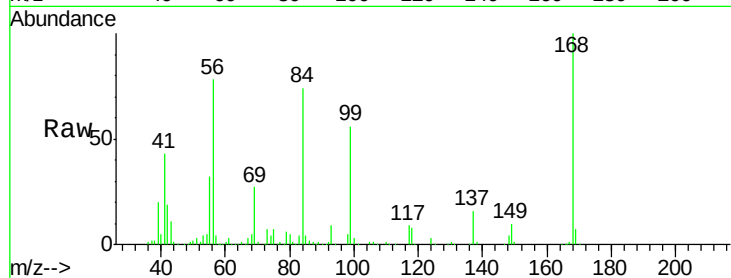
99 55.8 48.2 72.4

Manual Integrations

APPROVED

MMDadoda

2/7/2020 4:50:56 PM



Abundance Ion 167.90 (167.60 to 168.60): VY001548.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001548.D (-947) (-)

7.83

100000

80000

60000

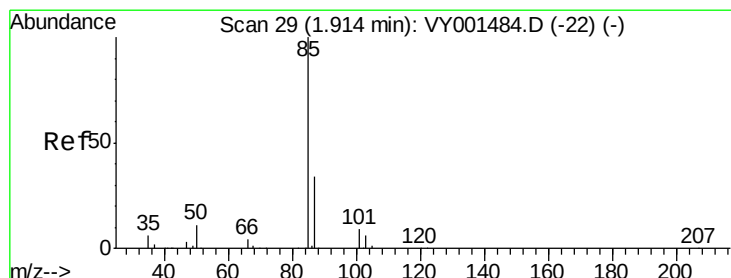
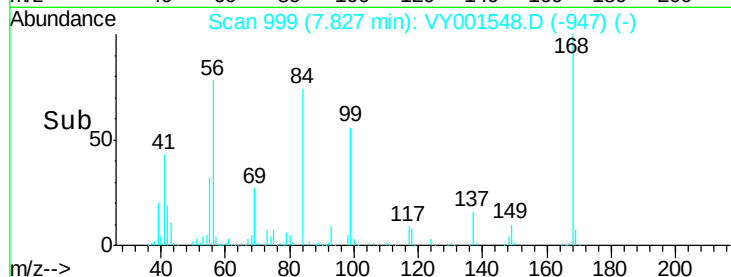
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 46.986 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001548.D

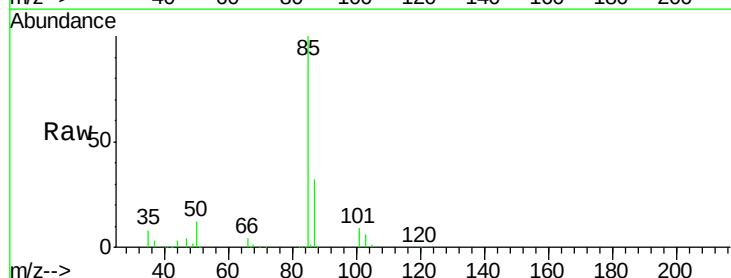
Acq: 06 Feb 2020 21:44

Tgt Ion: 85 Resp: 92485

Ion Ratio Lower Upper

85 100

87 32.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY001548.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001548.D (-1) (-)

1.91

60000

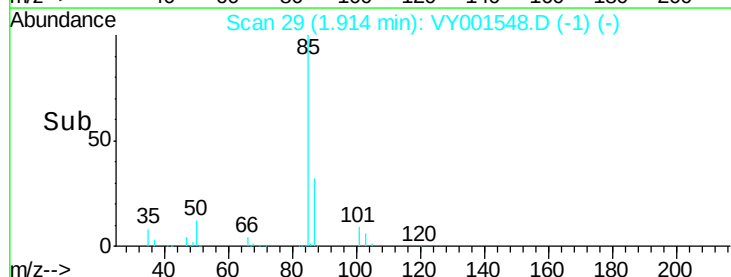
40000

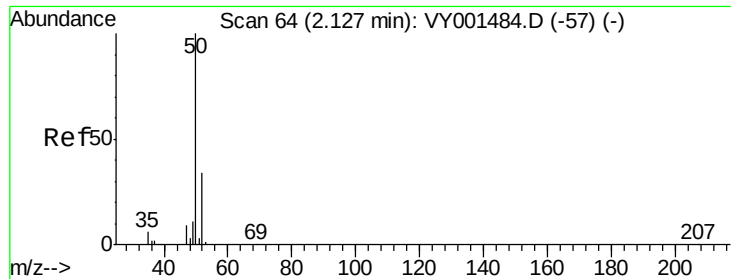
20000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 60.599 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 124668

Ion Ratio Lower Upper

50 100

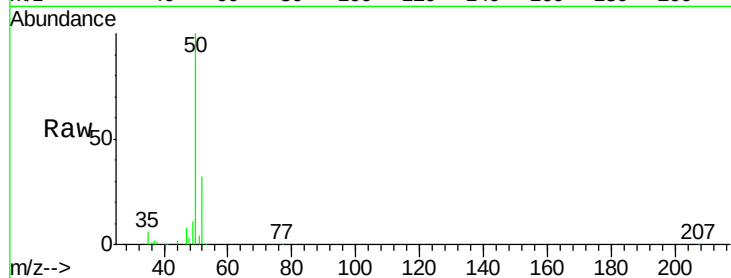
52 31.8 27.3 40.9

Manual Integrations

APPROVED

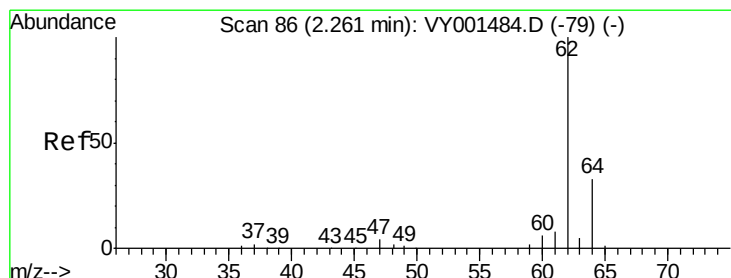
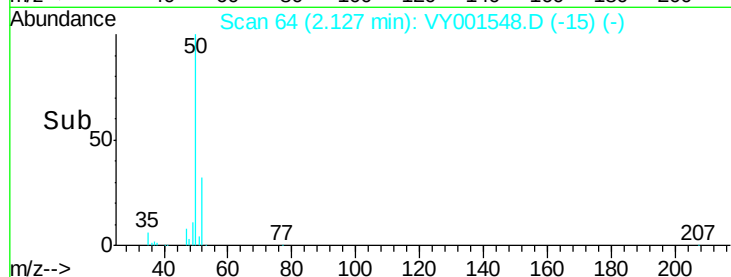
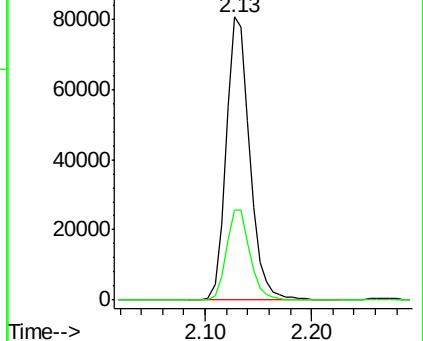
MMDadoda

2/7/2020 4:50:56 PM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 59.414 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001548.D

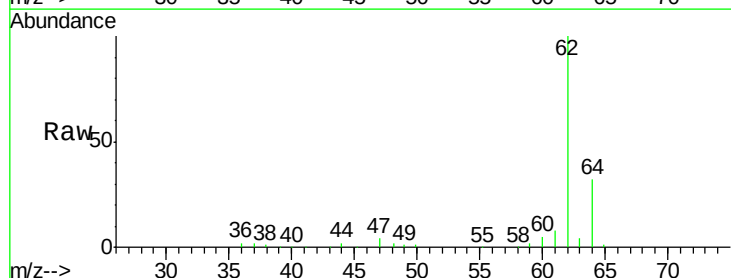
Acq: 06 Feb 2020 21:44

Tgt Ion: 62 Resp: 126918

Ion Ratio Lower Upper

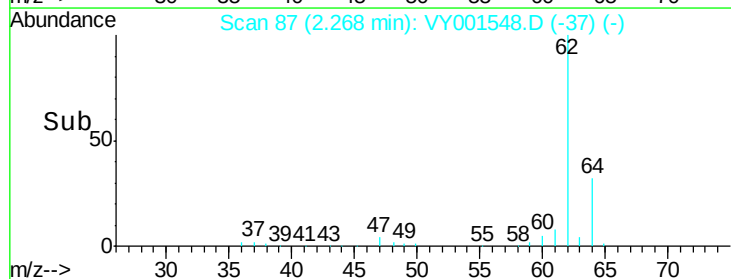
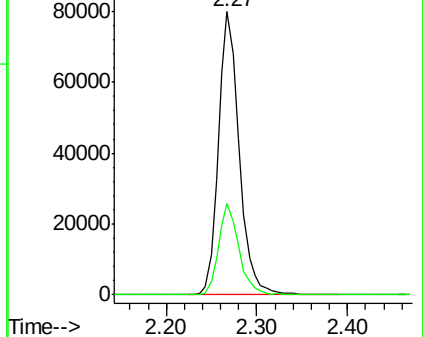
62 100

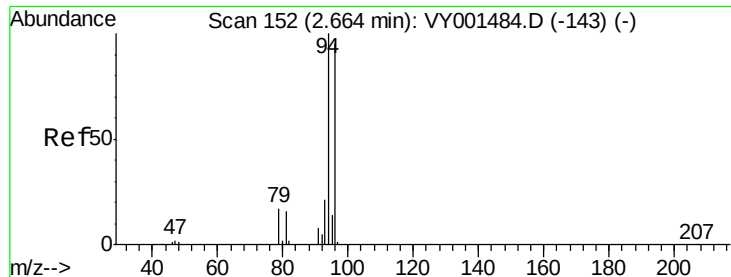
64 32.4 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 65.158 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 87535

Ion Ratio Lower Upper

94 100

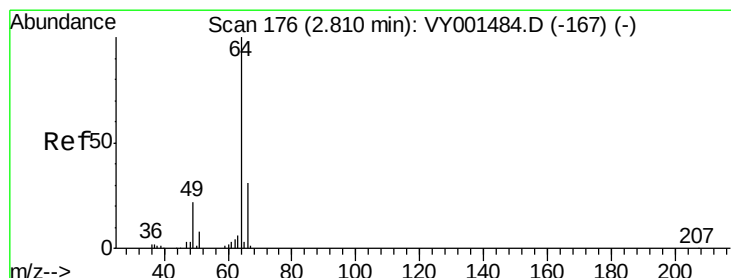
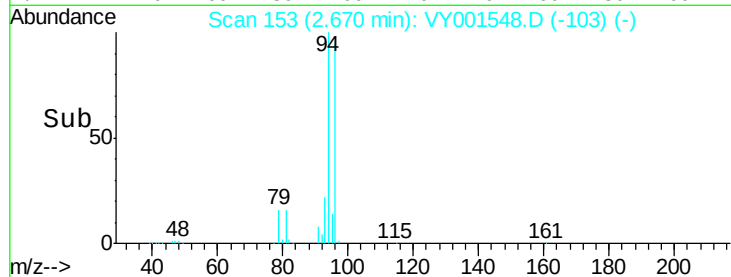
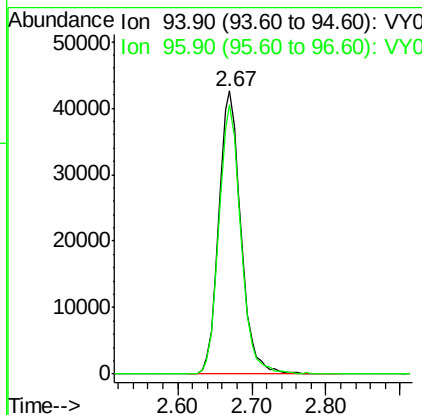
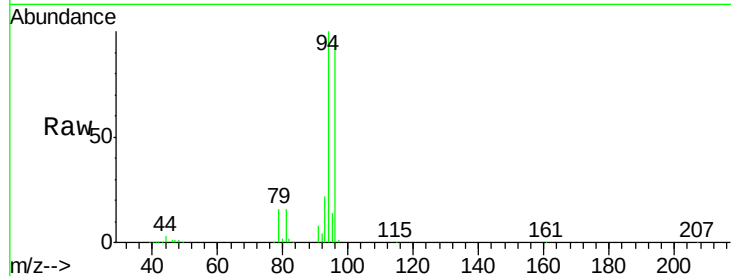
96 95.0 76.2 114.2

Manual Integrations

APPROVED

MMDadoda

2/7/2020 4:50:56 PM



#6

Chloroethane

Concen: 63.487 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY001548.D

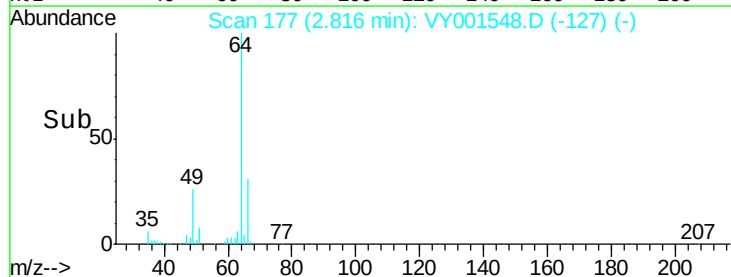
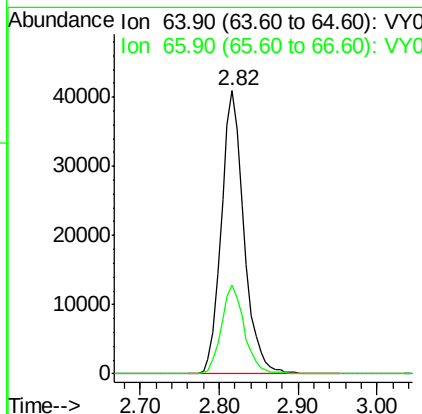
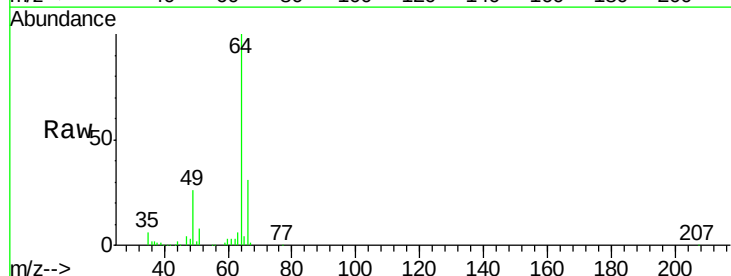
Acq: 06 Feb 2020 21:44

Tgt Ion: 64 Resp: 81747

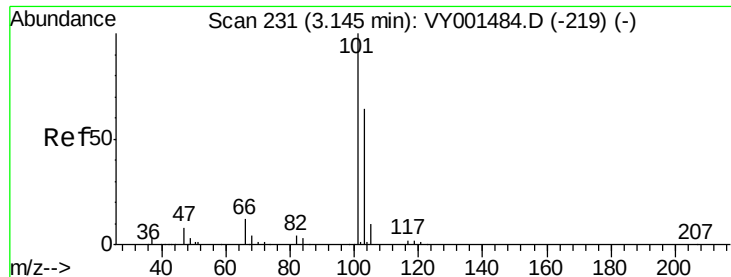
Ion Ratio Lower Upper

64 100

66 31.3 24.5 36.7







#7

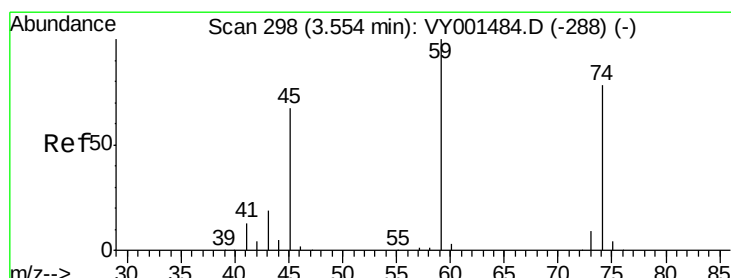
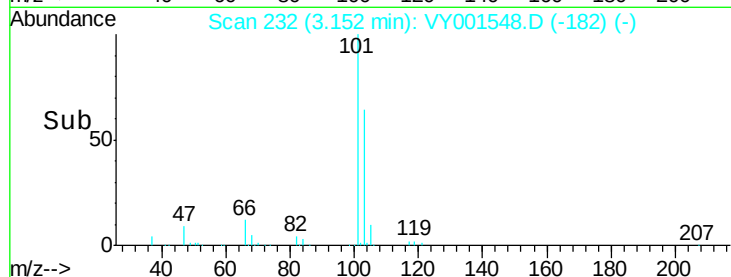
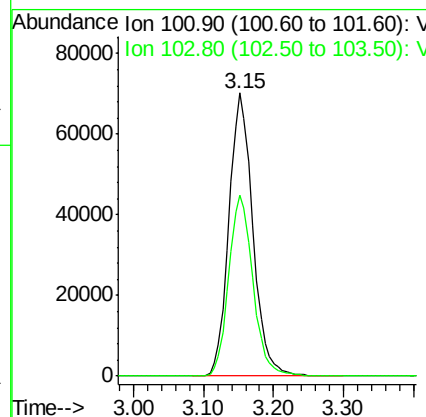
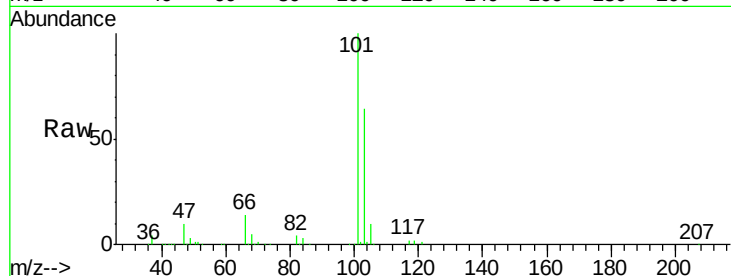
Trichlorofluoromethane  
Concen: 47.257 ug/l  
RT: 3.15 min Scan# 232  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.9  | 50.9  | 76.3  |

Manual Integrations  
APPROVED

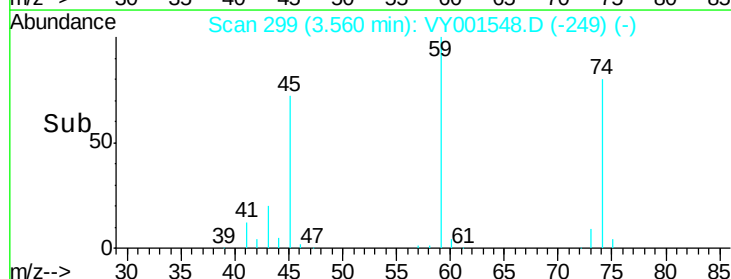
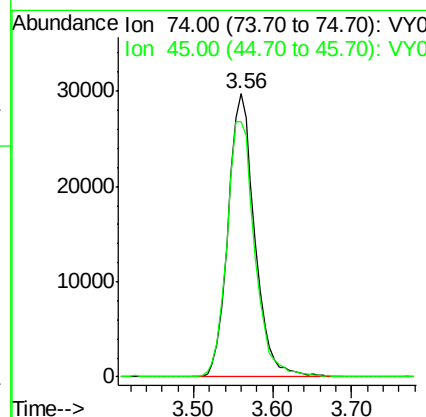
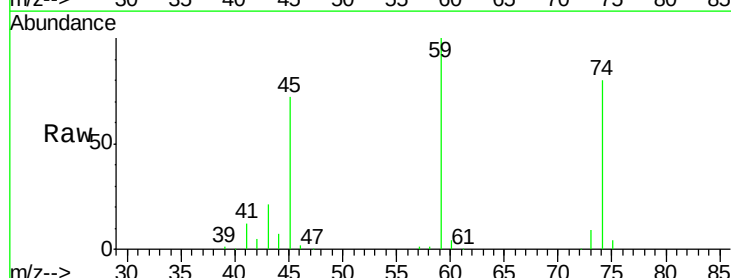
MMDadoda  
2/7/2020 4:50:56 PM



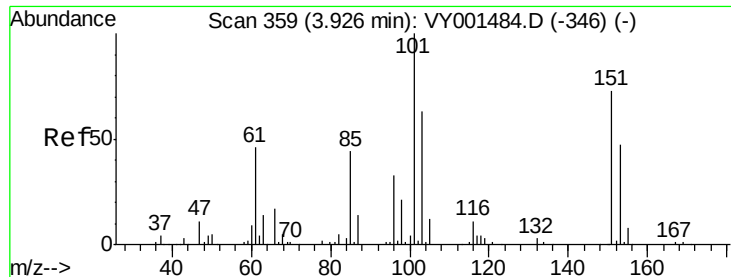
#8

Diethyl Ether  
Concen: 58.362 ug/l  
RT: 3.56 min Scan# 299  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 95.3  | 44.5  | 133.5 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.027 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Instrument :

MSVOA\_Y

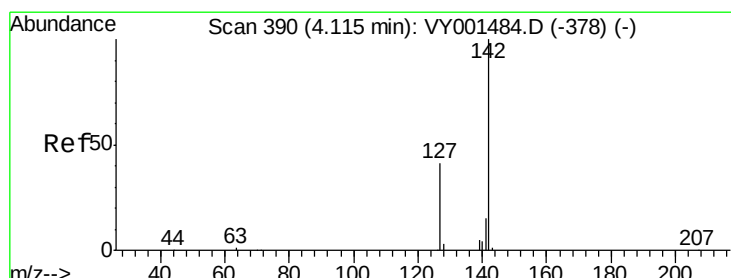
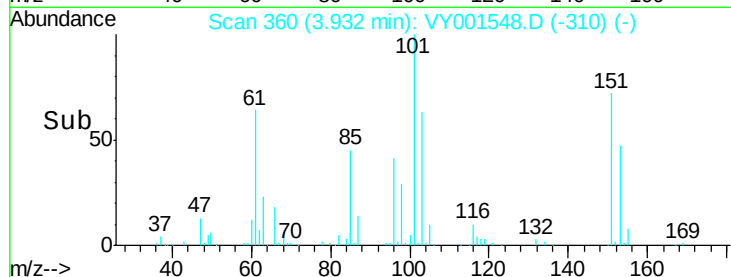
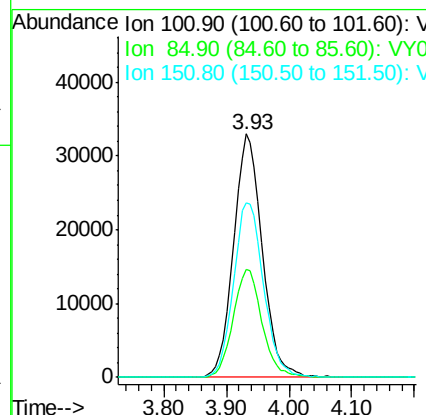
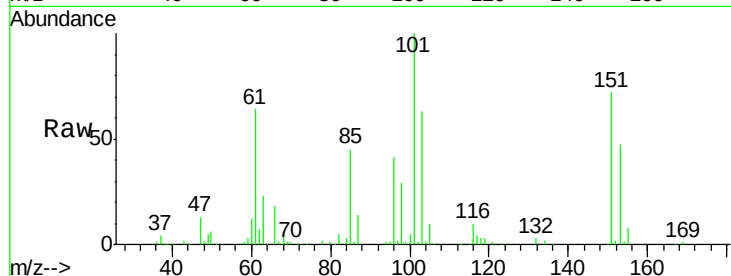
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 104304 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 44.6  | 34.6  | 51.8   |
| 151       | 75.1  | 60.3  | 90.5   |

Manual Integrations  
APPROVED

MMDadoda  
2/7/2020 4:50:56 PM



#10

Methyl Iodide

Concen: 49.765 ug/l

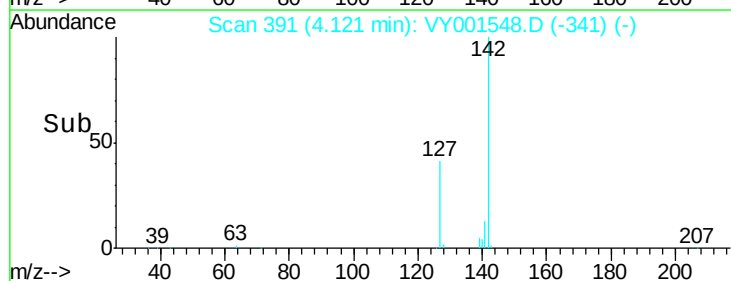
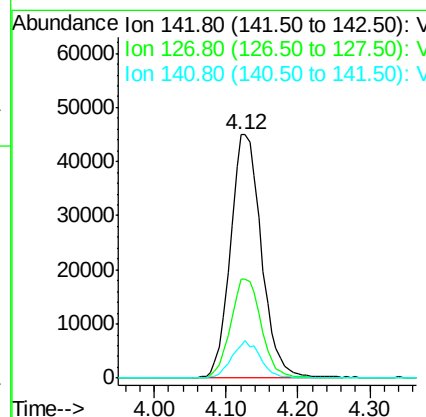
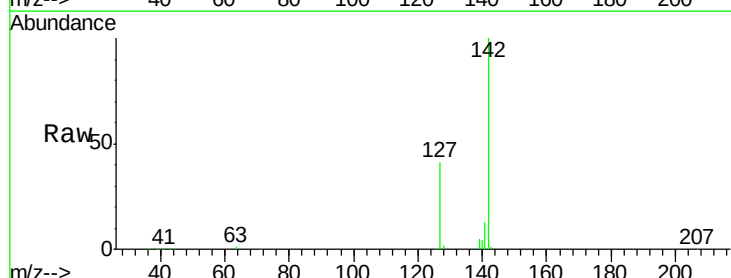
RT: 4.12 min Scan# 391

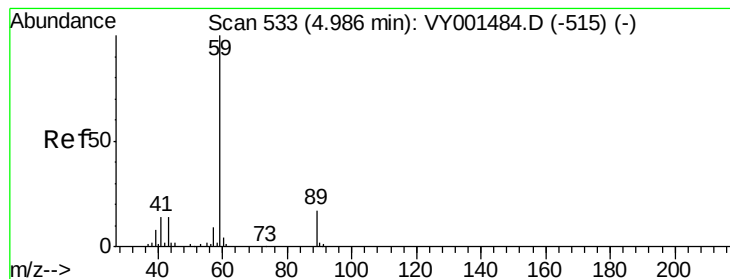
Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 134904 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 40.4  | 33.3  | 49.9   |
| 141       | 14.2  | 11.5  | 17.3   |





#11

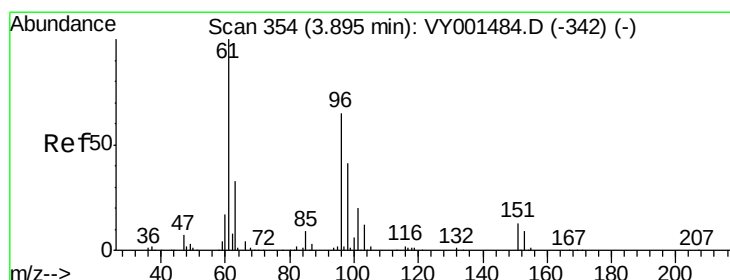
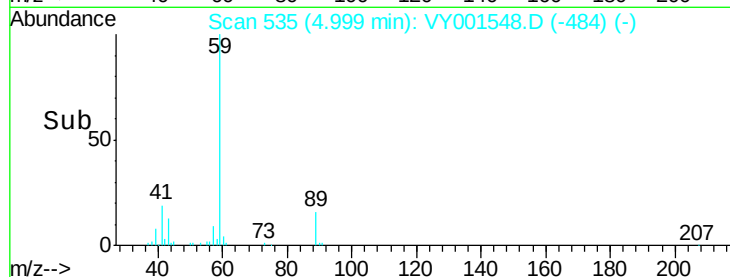
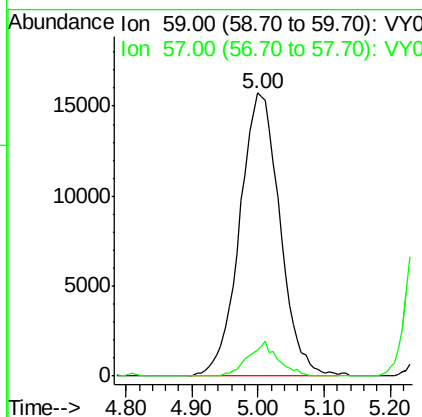
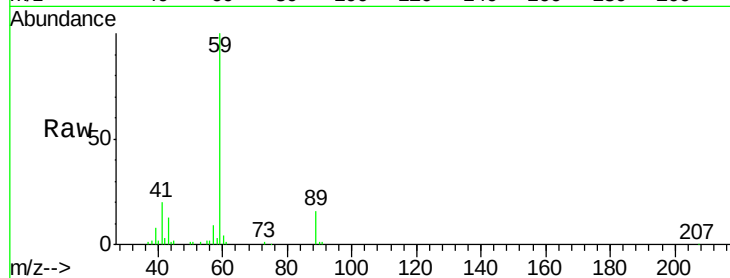
Tert butyl alcohol  
Concen: 297.835 ug/l  
RT: 5.00 min Scan# 535  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.1   | 7.0   | 10.6  |

Manual Integrations  
APPROVED

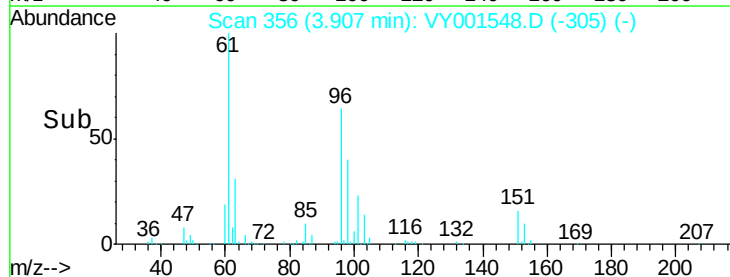
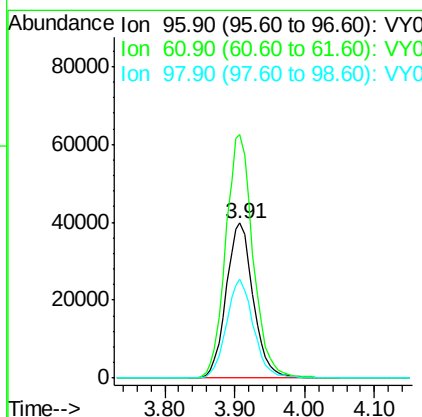
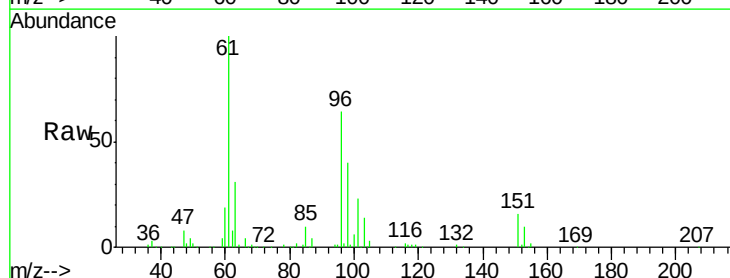
MMDadoda  
2/7/2020 4:50:56 PM

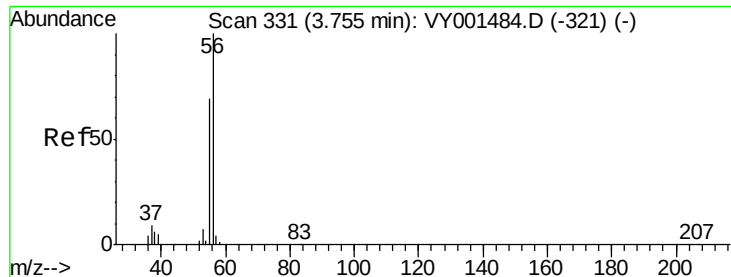


#12

1,1-Dichloroethene  
Concen: 50.792 ug/l  
RT: 3.91 min Scan# 356  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 157.1 | 122.3 | 183.5 |
| 98      | 63.6  | 49.7  | 74.5  |





#13

Acrolein

Concen: 278.584 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 53407

Ion Ratio Lower Upper

56 100

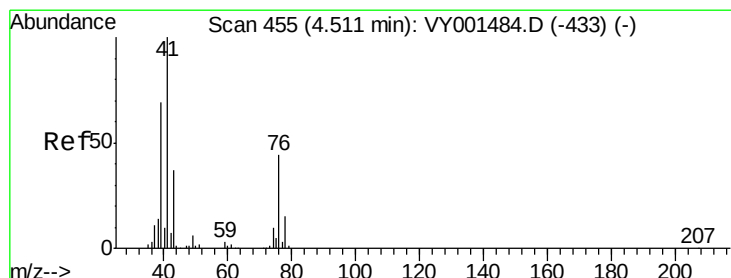
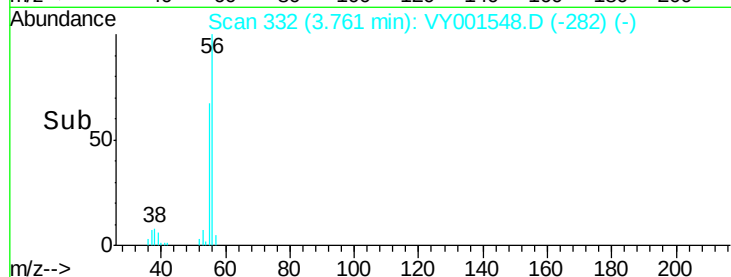
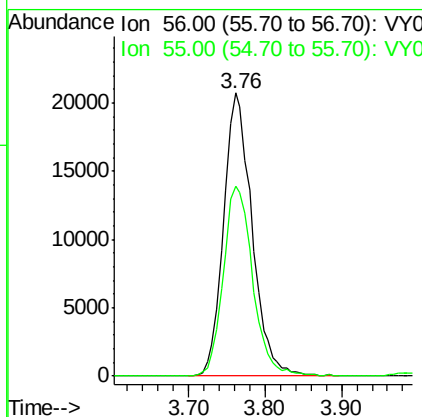
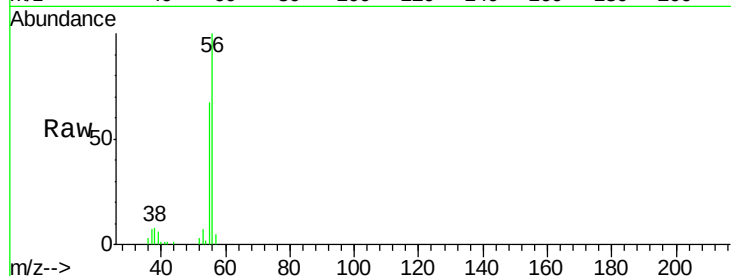
55 69.1 56.2 84.4

Manual Integrations

APPROVED

MMDadoda

2/7/2020 4:50:56 PM



#14

Allyl chloride

Concen: 58.730 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

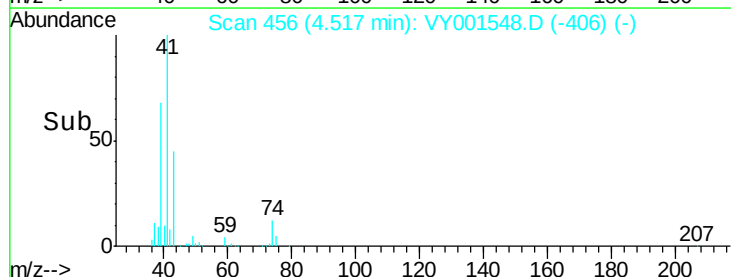
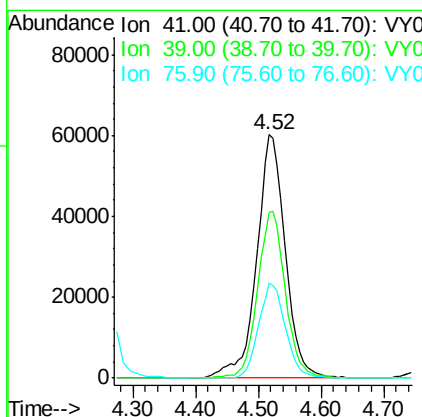
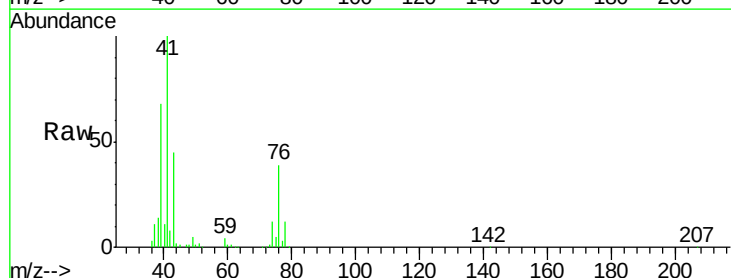
Tgt Ion: 41 Resp: 189941

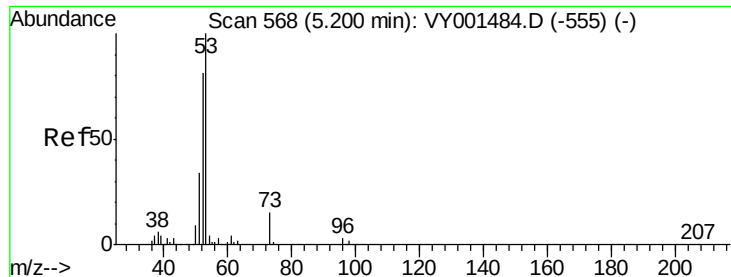
Ion Ratio Lower Upper

41 100

39 66.6 53.0 79.6

76 36.5 32.6 48.8





#15

Acrylonitrile

Concen: 334.237 ug/l

RT: 5.21 min Scan# 570

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Instrument :

MSVOA\_Y

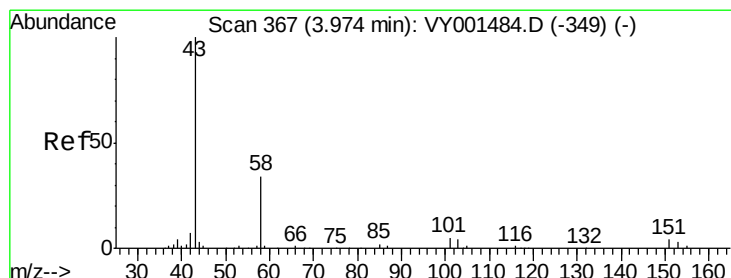
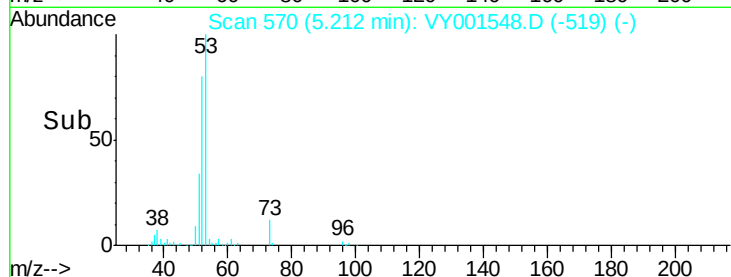
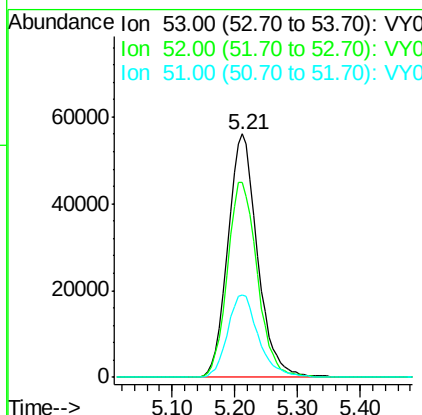
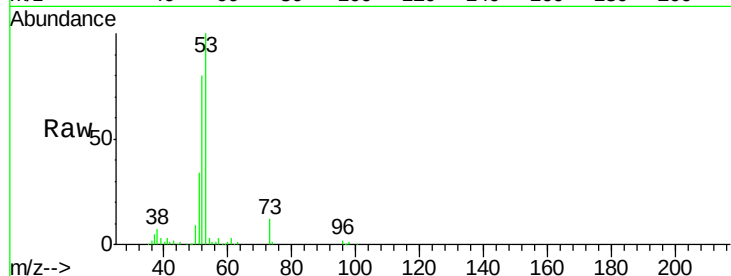
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 182829 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 81.2  | 65.4  | 98.2   |
| 51        | 35.7  | 29.0  | 43.4   |

Manual Integrations  
APPROVED

MMDadoda  
2/7/2020 4:50:56 PM



#16

Acetone

Concen: 282.333 ug/l

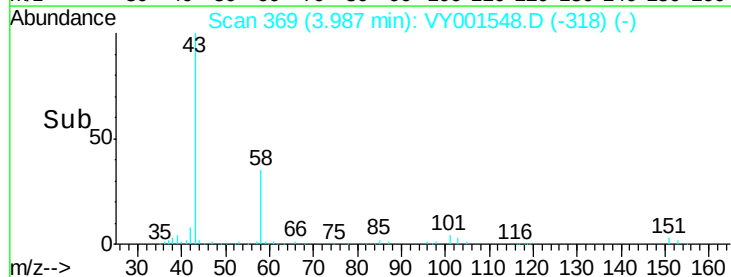
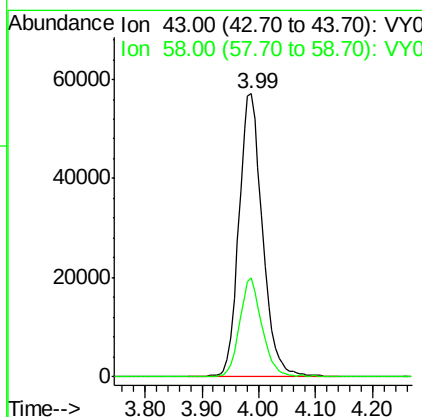
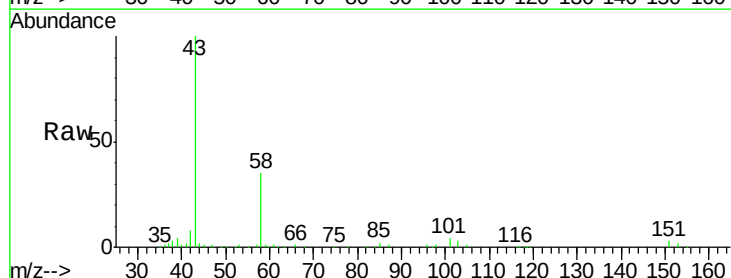
RT: 3.99 min Scan# 369

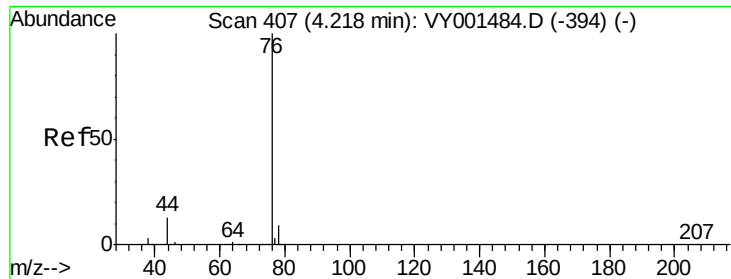
Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 165347 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 35.0  | 27.5  | 41.3   |





#17

Carbon Disulfide

Concen: 51.924 ug/l

RT: 4.23 min Scan# 409

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 349459

Ion Ratio Lower Upper

76 100

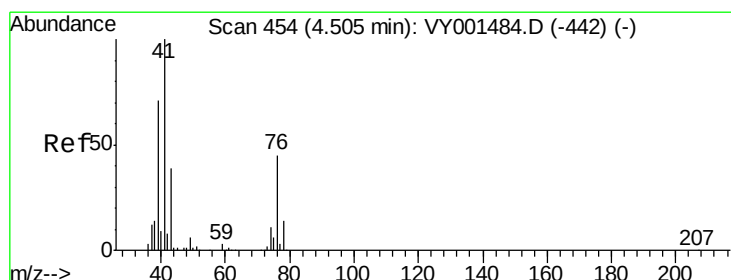
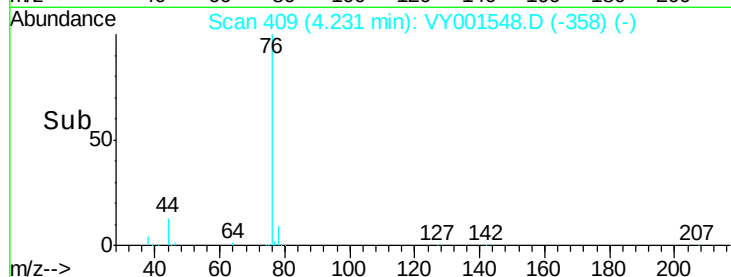
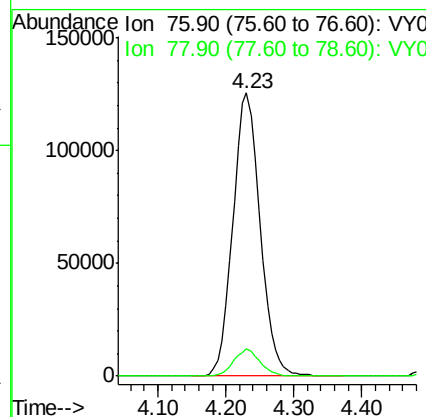
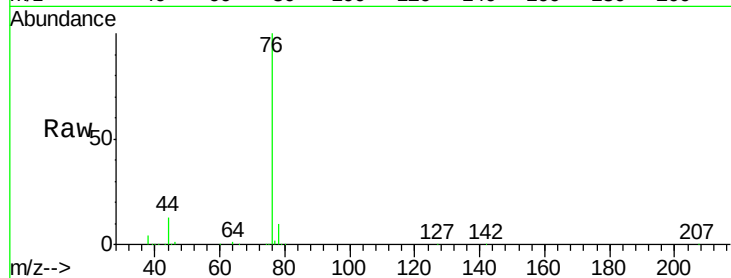
78 9.6 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

2/7/2020 4:50:56 PM



#18

Methyl Acetate

Concen: 66.284 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001548.D

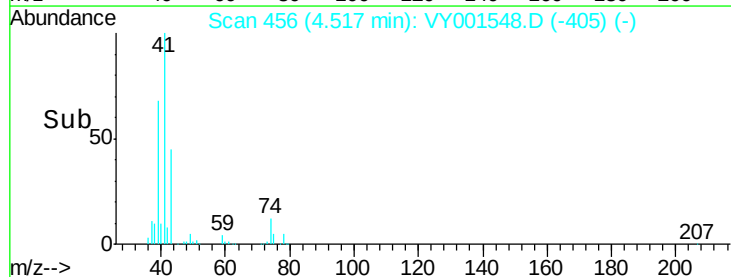
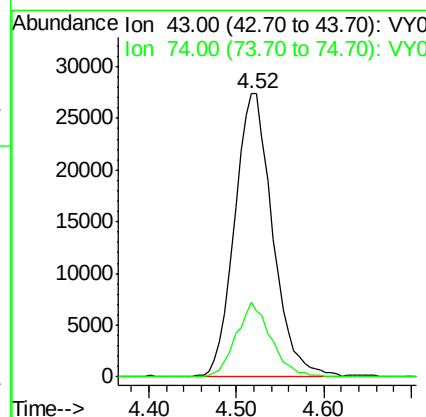
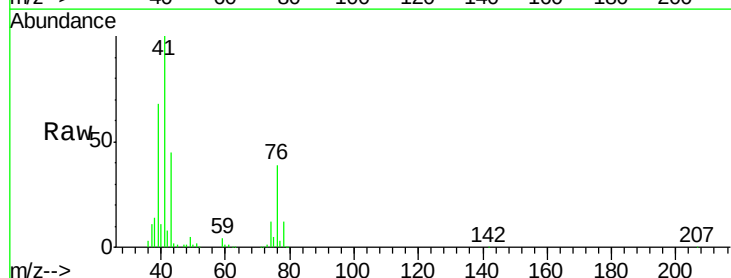
Acq: 06 Feb 2020 21:44

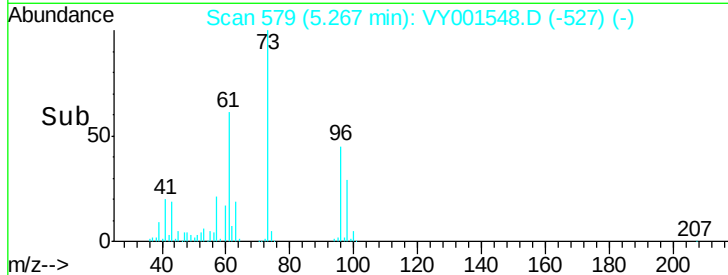
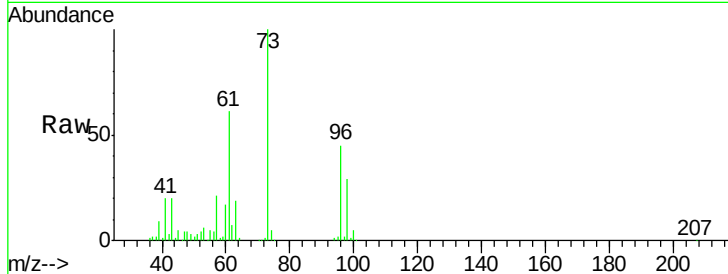
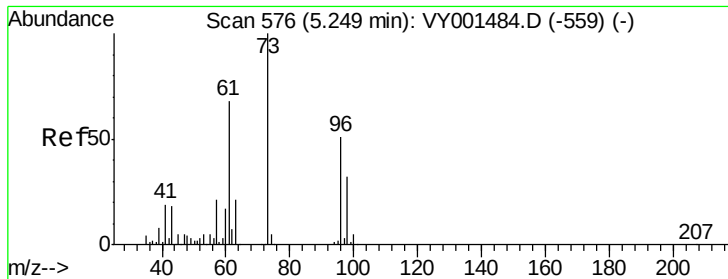
Tgt Ion: 43 Resp: 82839

Ion Ratio Lower Upper

43 100

74 24.1 21.0 31.6





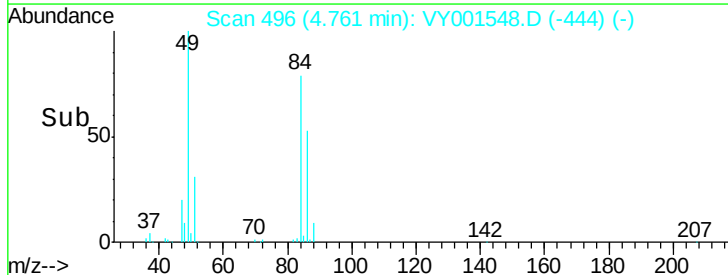
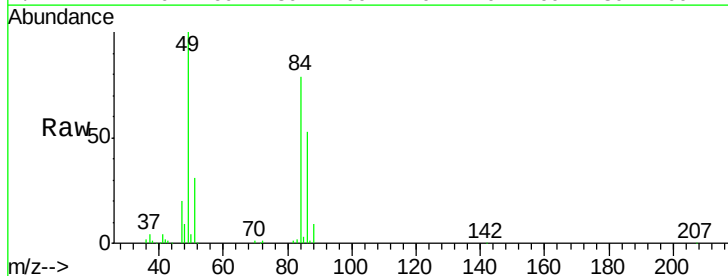
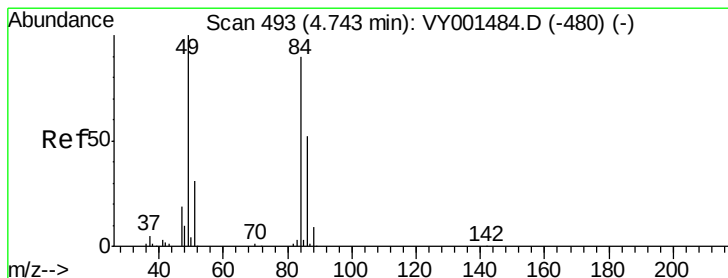
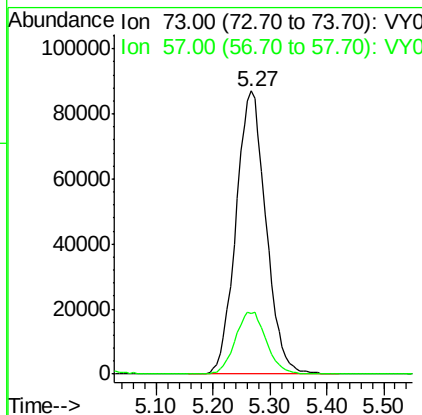
#19  
Methyl tert-butyl Ether  
Concen: 56.826 ug/l  
RT: 5.27 min Scan# 579  
Delta R.T. 0.02 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

| Tot Ion   | 73   | Resp  | 319491 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 57        | 21.2 | 17.0  | 25.6   |

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

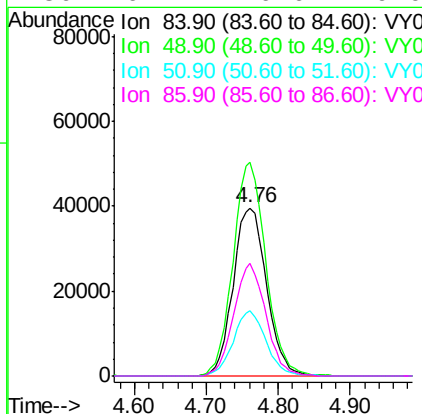
Manual Integrations  
APPROVED

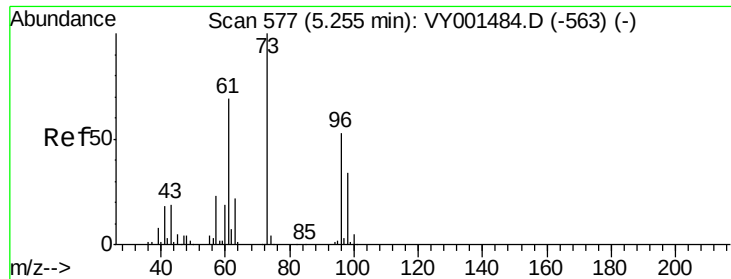
MMDadoda  
2/7/2020 4:50:56 PM



#20  
Methylene Chloride  
Concen: 56.496 ug/l  
RT: 4.76 min Scan# 496  
Delta R.T. 0.02 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

| Tgt Ion   | 84    | Resp  | 128144 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 49        | 127.3 | 89.0  | 133.6  |
| 51        | 38.9  | 27.4  | 41.2   |
| 86        | 67.1  | 46.6  | 70.0   |





#21

trans-1,2-Dichloroethene

Concen: 53.126 ug/l

RT: 5.26 min Scan# 578

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Instrument :

MSVOA\_Y

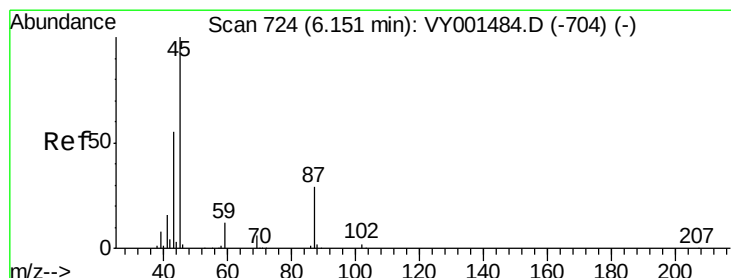
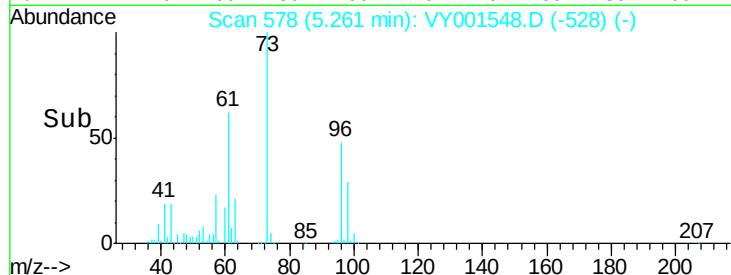
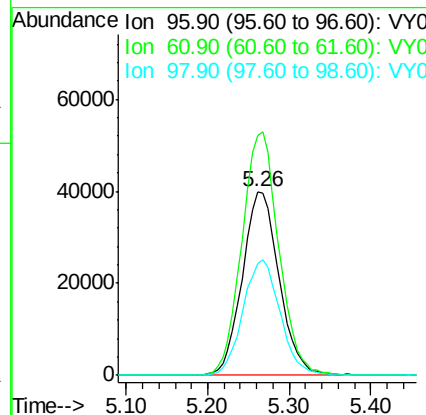
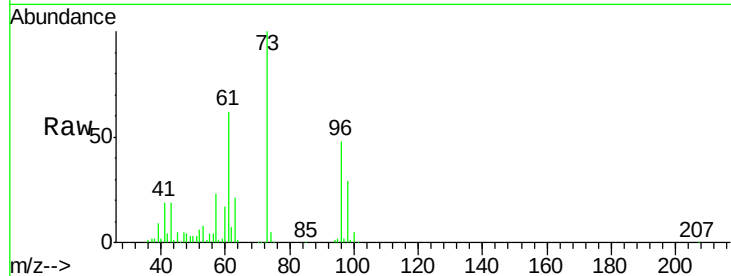
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 124860 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 130.4 | 104.2 | 156.4  |
| 98       | 60.7  | 51.4  | 77.0   |

Manual Integrations  
APPROVED

MMDadoda  
2/7/2020 4:50:56 PM



#22

Diisopropyl ether

Concen: 64.034 ug/l

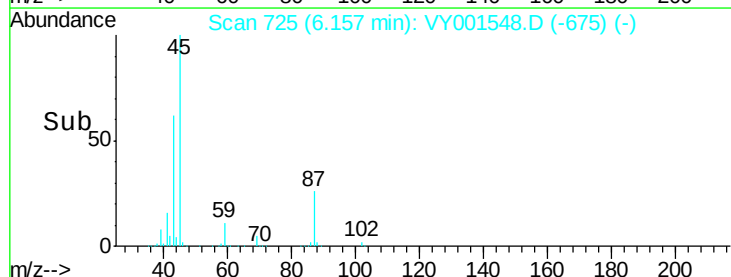
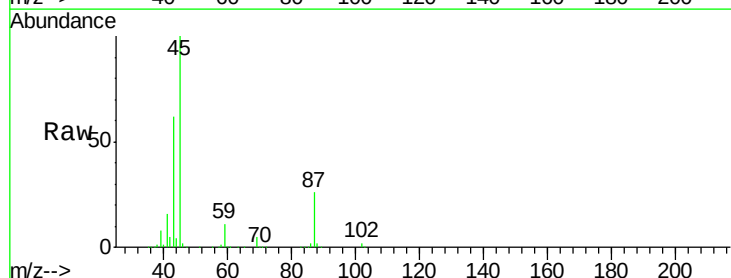
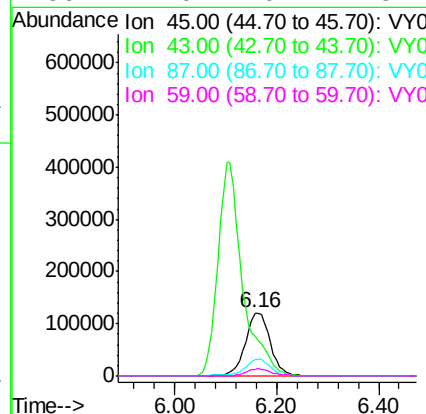
RT: 6.16 min Scan# 725

Delta R.T. 0.01 min

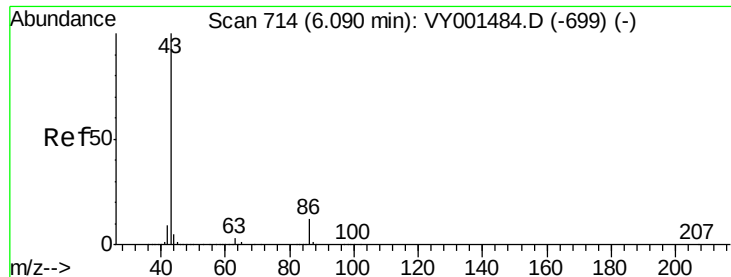
Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 410298 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 62.1  | 44.2  | 66.4   |
| 87       | 26.1  | 23.9  | 35.9   |
| 59       | 11.0  | 10.2  | 15.2   |







#23

Vinyl Acetate

Concen: 337.395 ug/l

RT: 6.11 min Scan# 717

Delta R.T. 0.02 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Tot Ion: 43 Resp: 1376224

Ion Ratio Lower Upper

43 100

86 10.6 9.8 14.8

Instrument :

MSVOA\_Y

ClientSampleId :

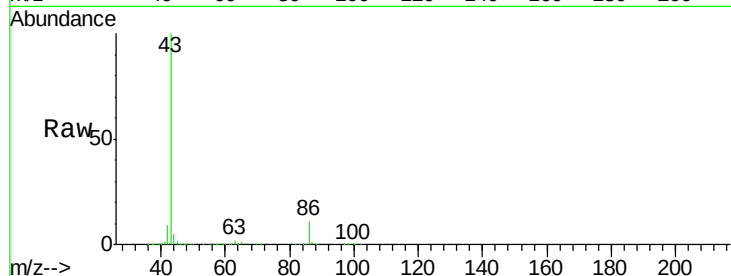
VSTDCCC050EC

Manual Integrations

APPROVED

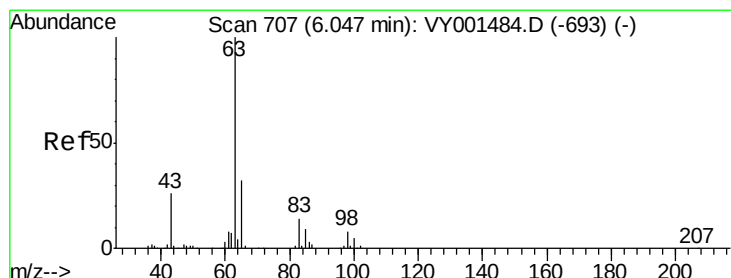
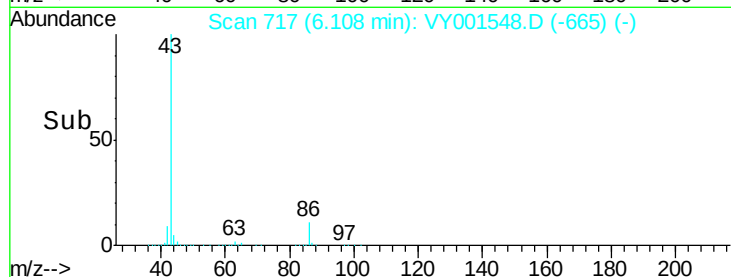
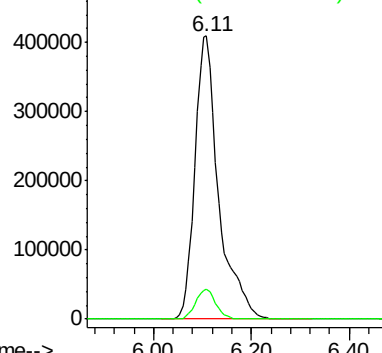
MMDadoda

2/7/2020 4:50:56 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 56.143 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

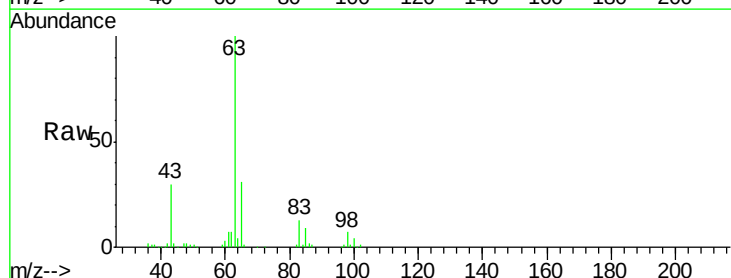
Tgt Ion: 63 Resp: 216379

Ion Ratio Lower Upper

63 100

98 6.9 4.0 11.9

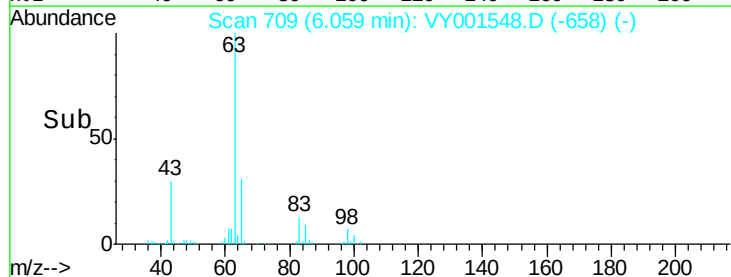
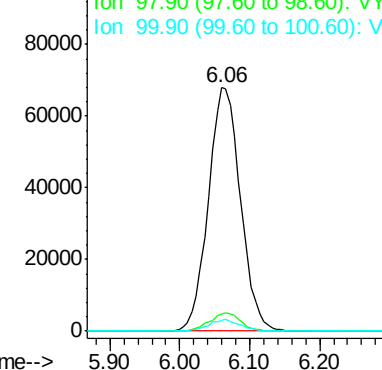
100 4.2 2.6 8.0

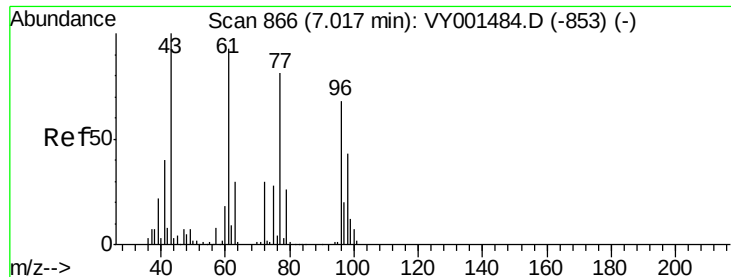


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 333.570 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 253441

Ion Ratio Lower Upper

43 100

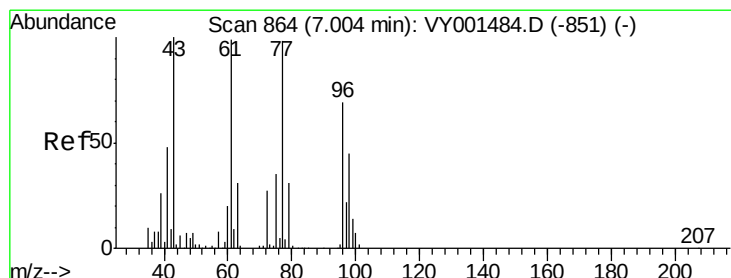
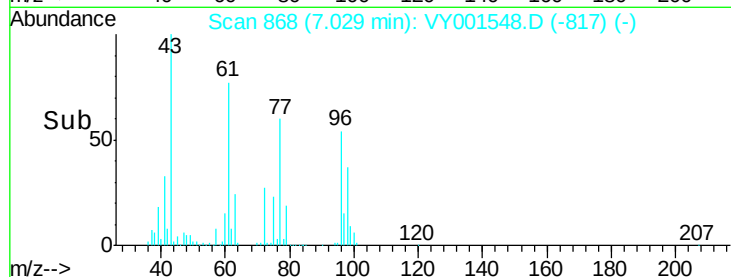
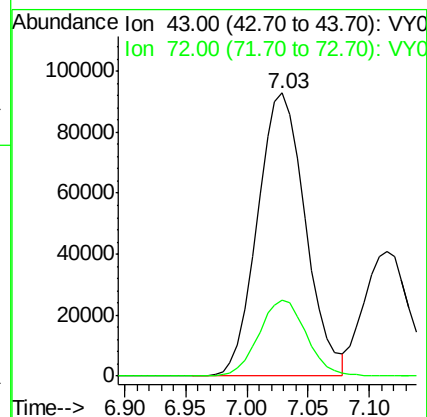
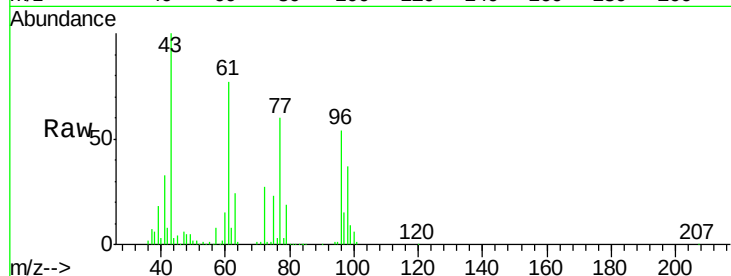
72 26.7 23.8 35.8

Manual Integrations

APPROVED

MMDadoda

2/7/2020 4:50:56 PM



#26

2,2-Dichloropropane

Concen: 48.253 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.02 min

Lab File: VY001548.D

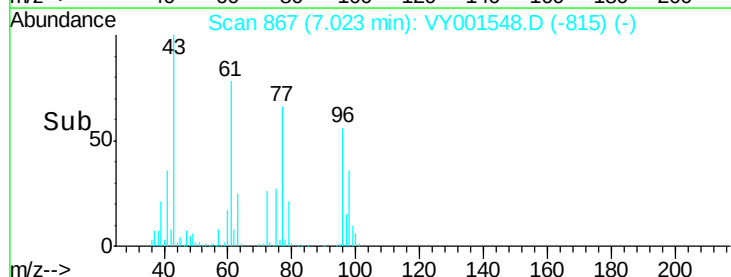
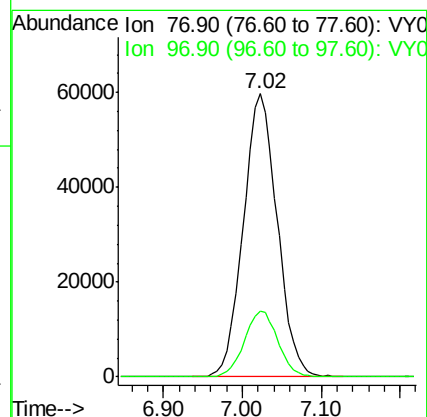
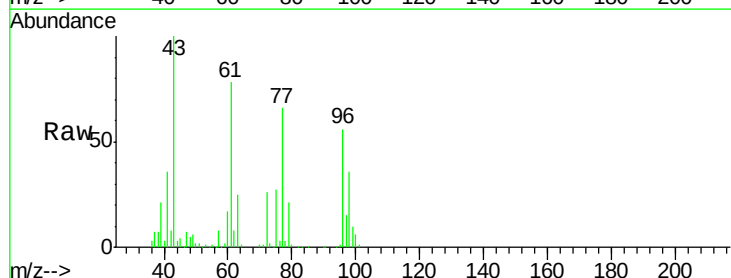
Acq: 06 Feb 2020 21:44

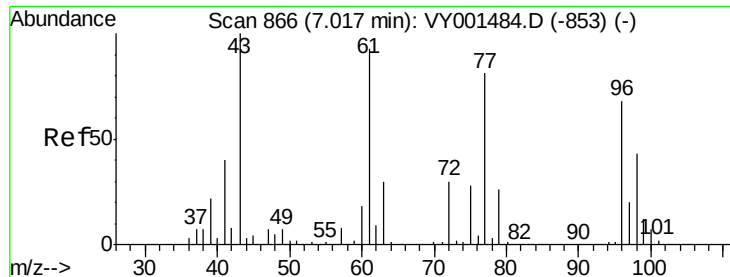
Tgt Ion: 77 Resp: 177986

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0





#27

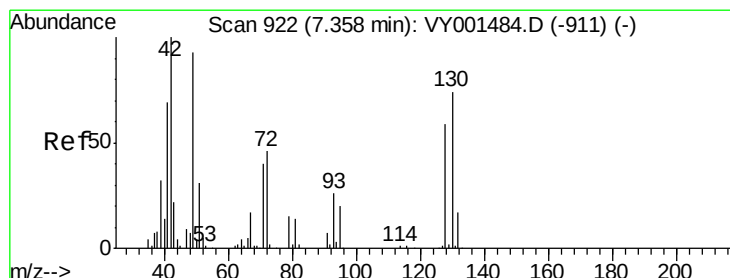
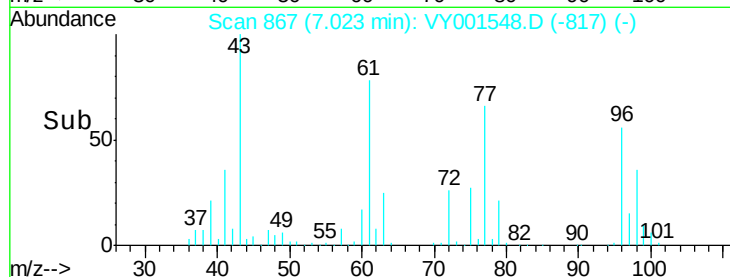
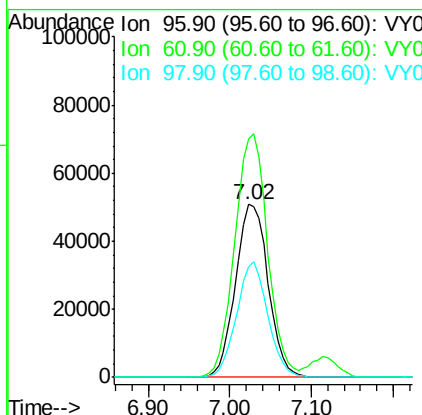
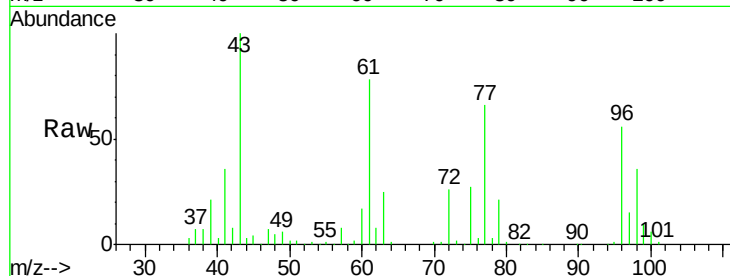
cis-1,2-Dichloroethene  
Concen: 55.056 ug/l  
RT: 7.02 min Scan# 867  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 141329 |       |       |
| 61      | 141.5 | 0.0    | 278.8 |       |
| 98      | 63.8  | 0.0    | 128.8 |       |

Manual Integrations  
APPROVED

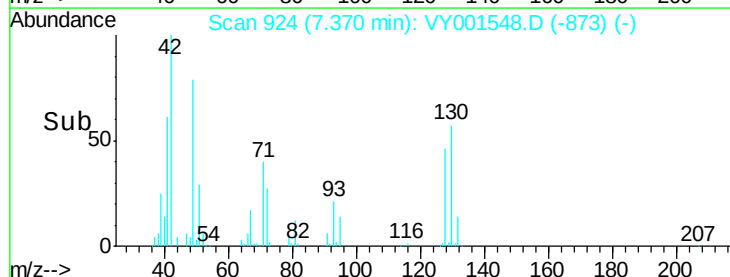
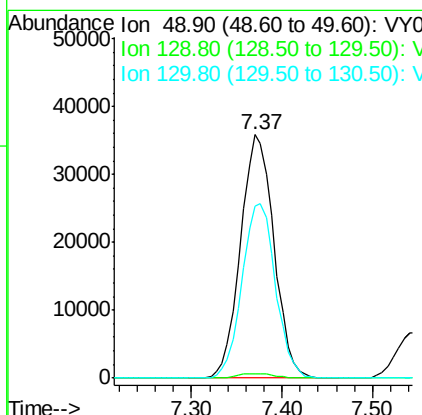
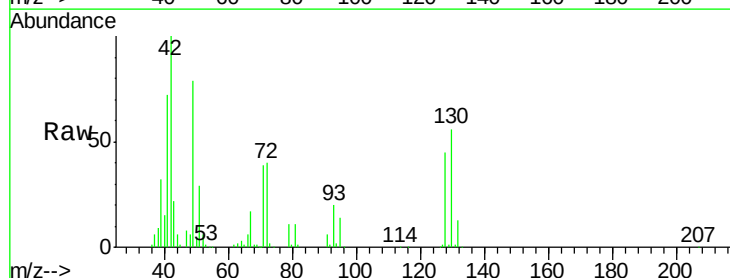
MMDadoda  
2/7/2020 4:50:56 PM

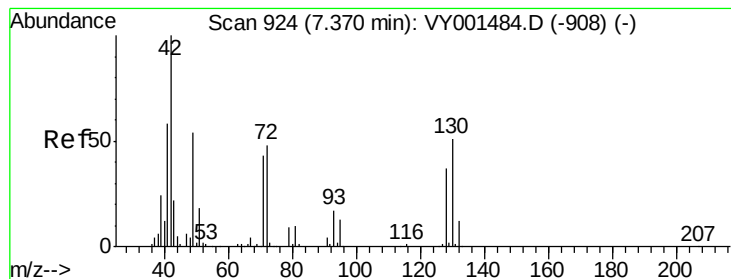


#28

Bromochloromethane  
Concen: 69.489 ug/l  
RT: 7.37 min Scan# 924  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 91235 |       |       |
| 129     | 2.0   | 0.0   | 4.8   |       |
| 130     | 71.8  | 65.4  | 98.2  |       |





#29

Tetrahydrofuran

Concen: 358.773 ug/l

RT: 7.38 min Scan# 926

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Instrument :

MSVOA\_Y

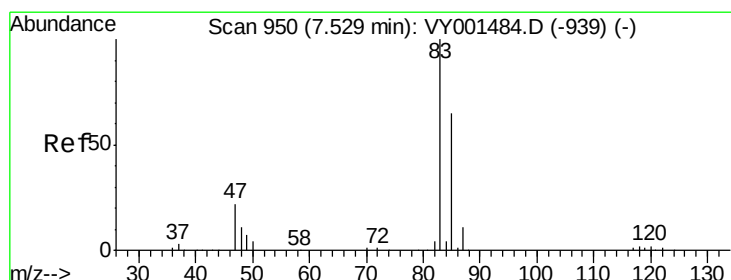
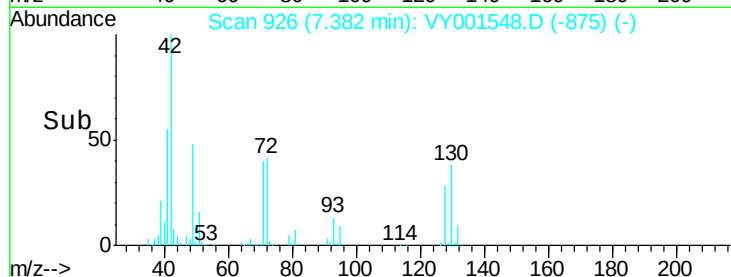
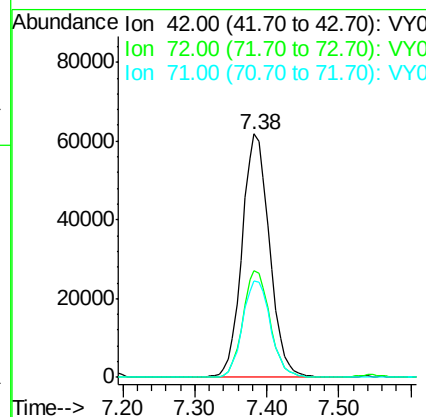
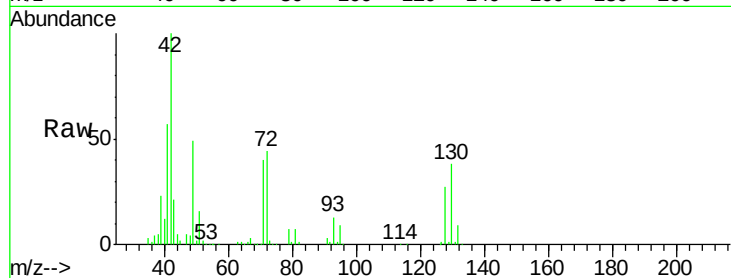
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 42    | Resp: | 163382 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 43.0  | 37.8  | 56.6   |
| 71       | 40.3  | 34.8  | 52.2   |

Manual Integrations  
APPROVED

MMDadoda  
2/7/2020 4:50:56 PM



#30

Chloroform

Concen: 53.572 ug/l

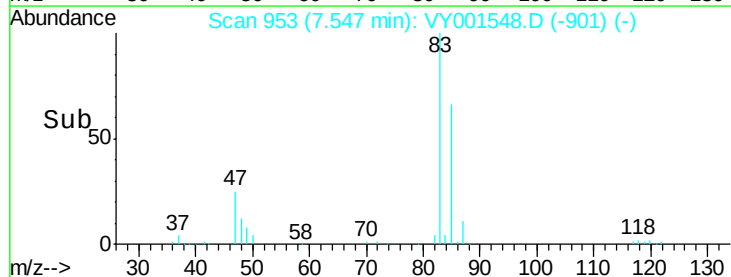
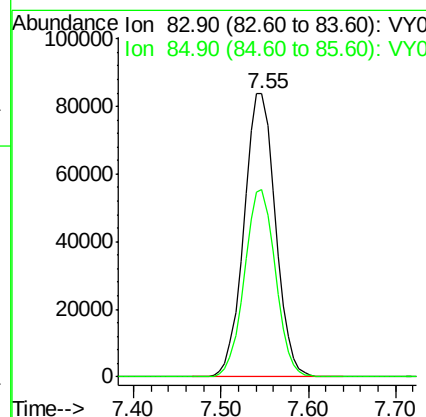
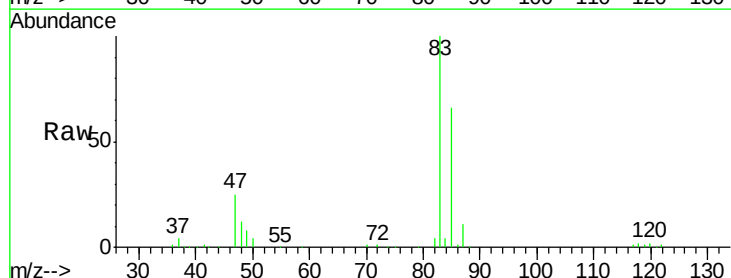
RT: 7.55 min Scan# 953

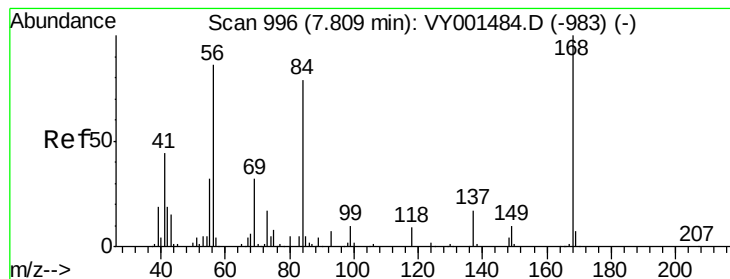
Delta R.T. 0.02 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 209139 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 66.3  | 52.4  | 78.6   |





#31

Cyclohexane

Concen: 52.753 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 207973

Ion Ratio Lower Upper

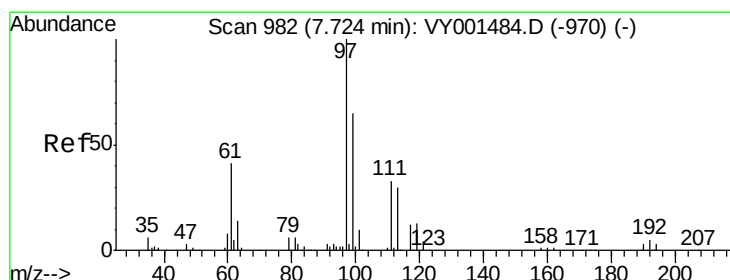
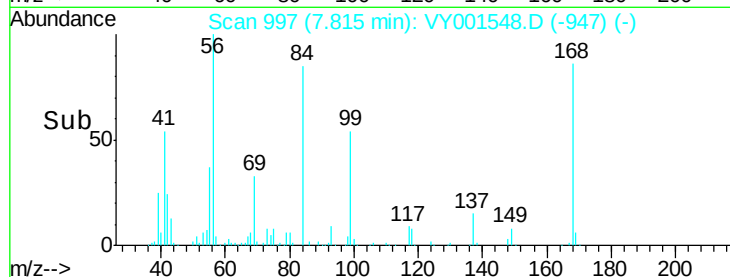
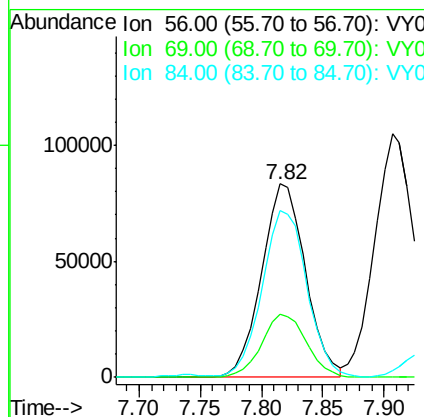
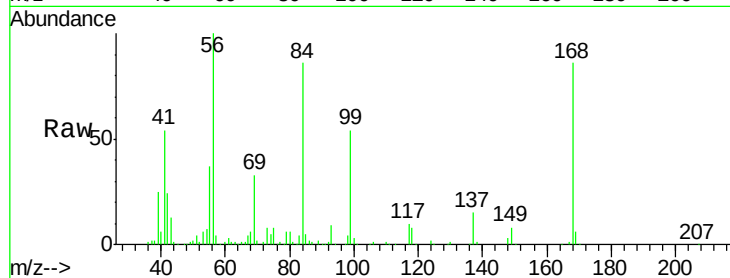
56 100

69 32.6 29.6 44.4

84 84.6 73.6 110.4

Manual Integrations  
APPROVED

MMDadoda  
2/7/2020 4:50:56 PM



#32

1,1,1-Trichloroethane

Concen: 50.632 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

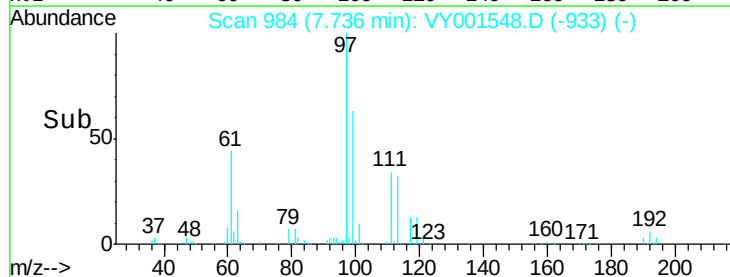
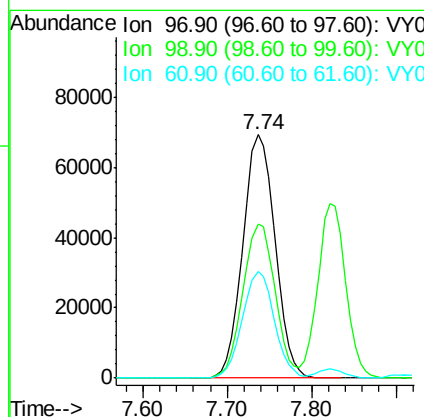
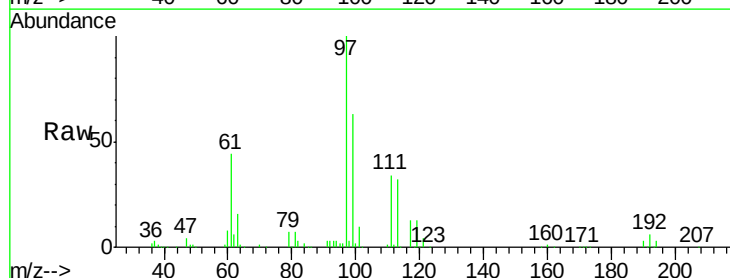
Tgt Ion: 97 Resp: 179211

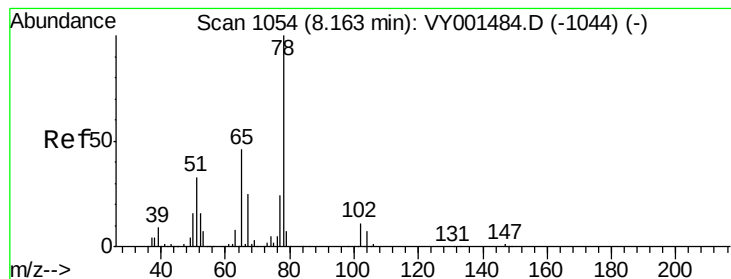
Ion Ratio Lower Upper

97 100

99 63.8 51.8 77.8

61 43.4 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 57.460 ug/l

RT: 8.17 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 116334

Ion Ratio Lower Upper

65 100

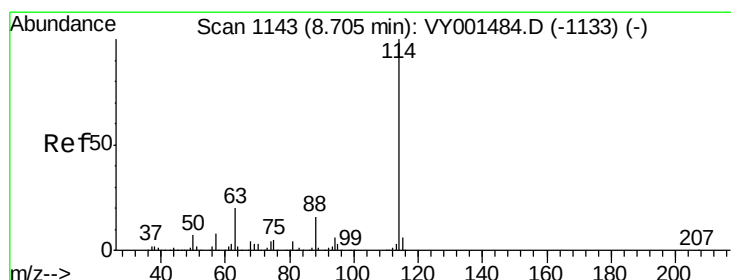
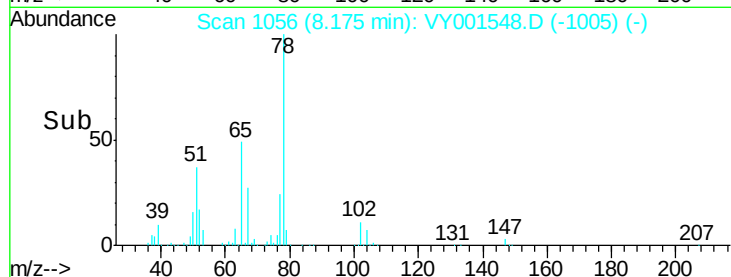
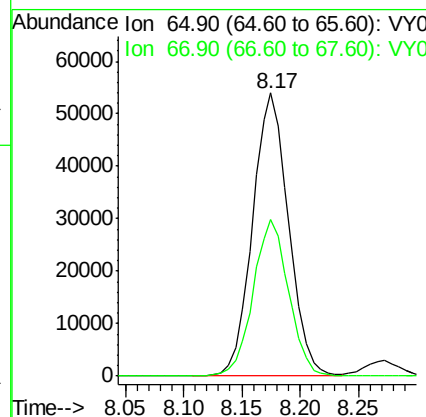
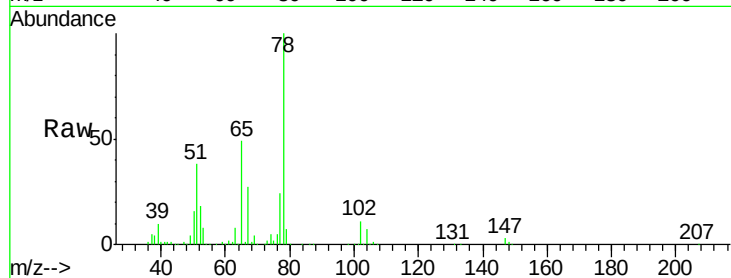
67 54.4 0.0 108.6

Manual Integrations

APPROVED

MMDadoda

2/7/2020 4:50:56 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

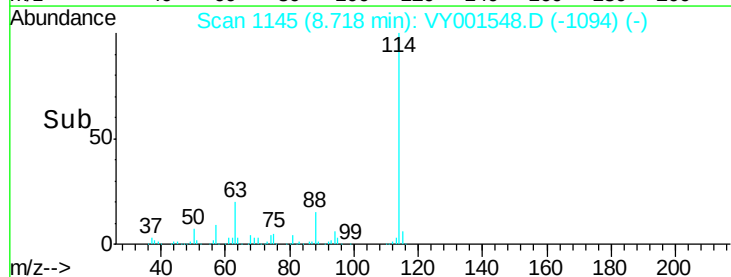
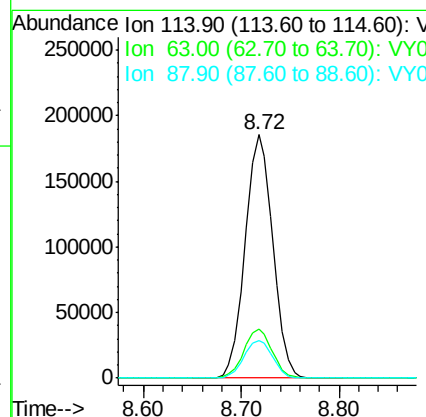
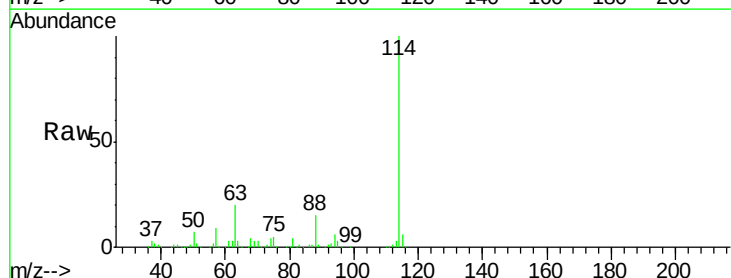
Tgt Ion: 114 Resp: 362987

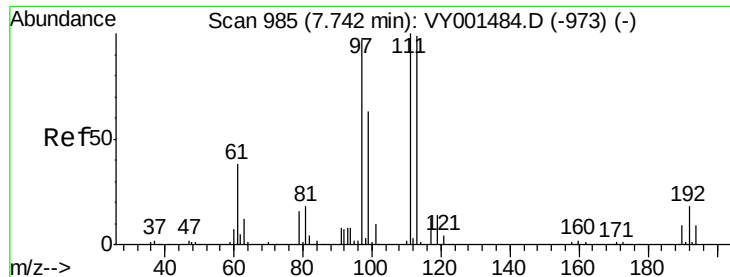
Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.8

88 15.2 0.0 32.6





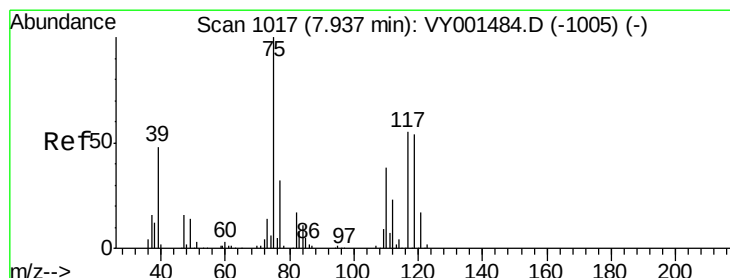
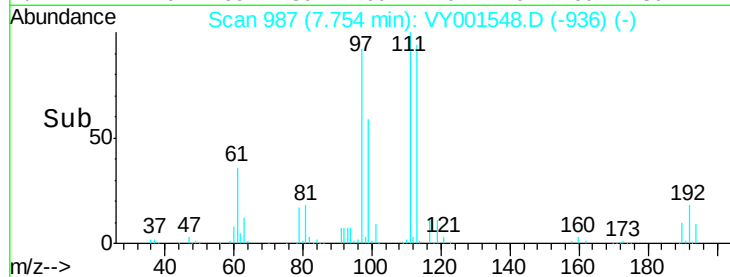
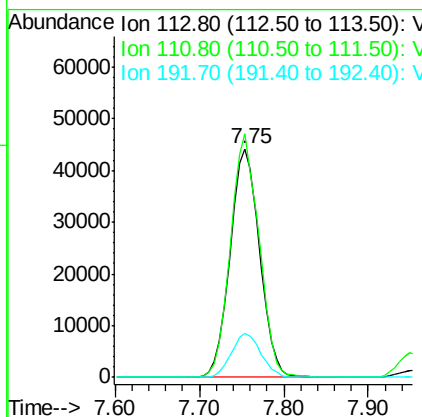
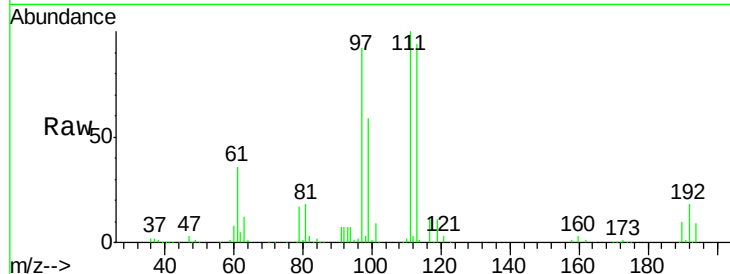
#35  
 Dibromofluoromethane  
 Concen: 49.968 ug/l  
 RT: 7.75 min Scan# 987  
 Delta R.T. 0.01 min  
 Lab File: VY001548.D  
 Acq: 06 Feb 2020 21:44

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 104591 |       |       |
| 111     | 103.4 | 82.9   | 124.3 |       |
| 192     | 19.2  | 14.6   | 22.0  |       |

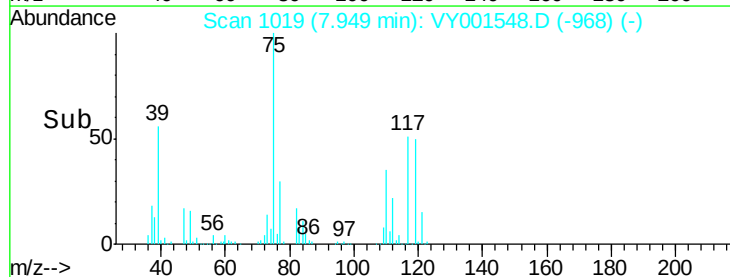
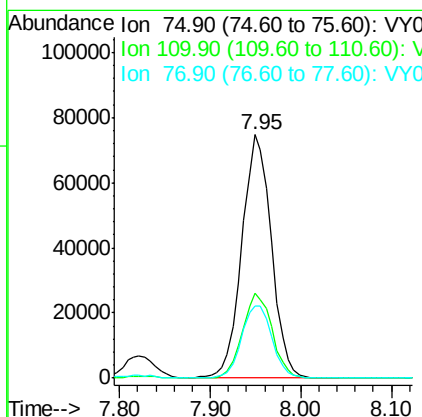
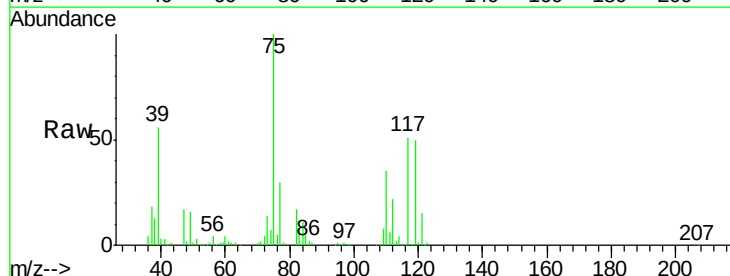
Manual Integrations  
 APPROVED

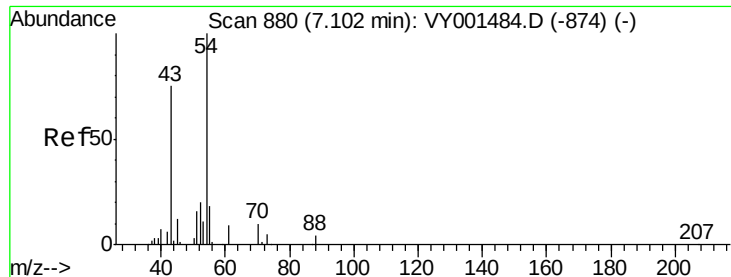
MMDadoda  
 2/7/2020 4:50:56 PM



#36  
 1,1-Dichloropropene  
 Concen: 50.794 ug/l  
 RT: 7.95 min Scan# 1019  
 Delta R.T. 0.01 min  
 Lab File: VY001548.D  
 Acq: 06 Feb 2020 21:44

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 168668 |       |       |
| 110     | 34.8  | 18.2   | 54.6  |       |
| 77      | 30.9  | 25.0   | 37.4  |       |





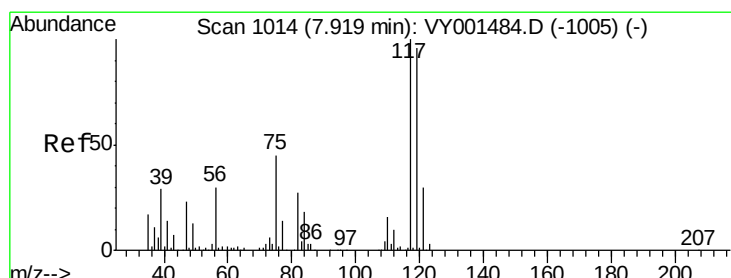
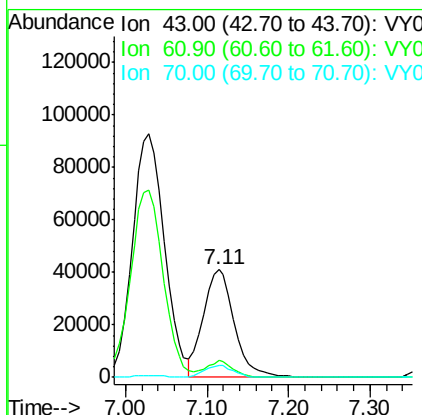
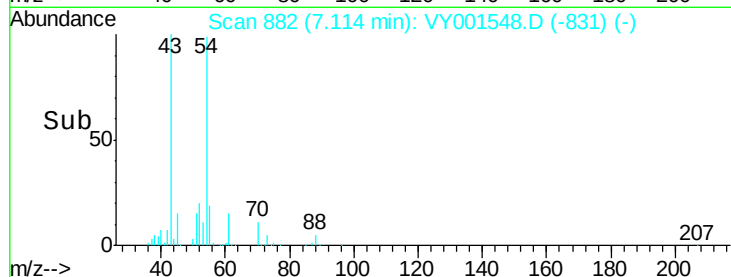
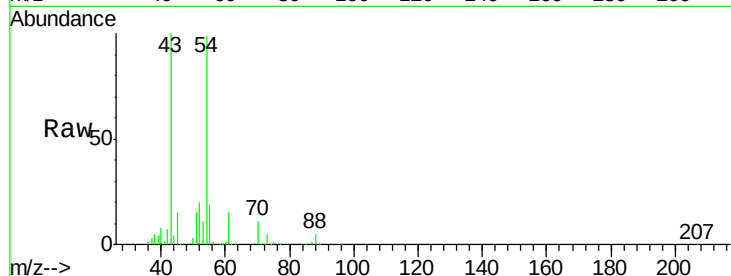
#37  
Ethyl Acetate  
Concen: 67.686 ug/l  
RT: 7.11 min Scan# 882  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.6  | 12.0  | 18.0  |
| 70      | 10.6  | 10.2  | 15.4  |

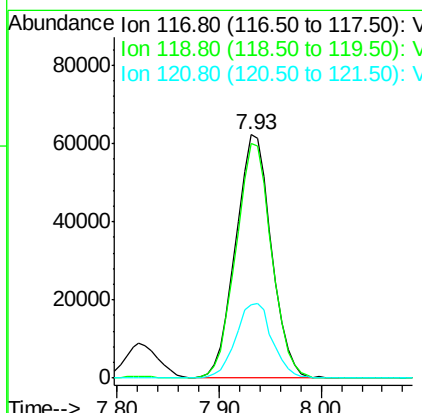
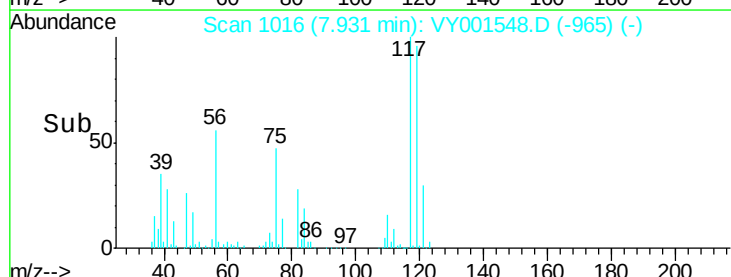
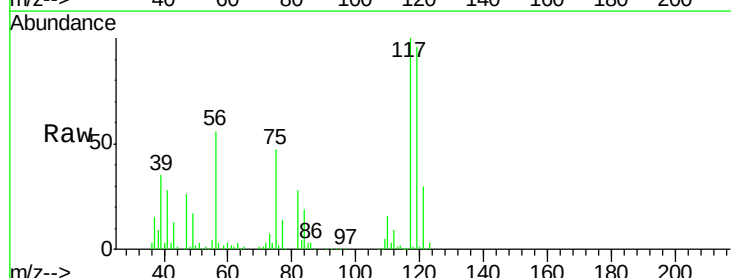
Manual Integrations  
APPROVED

MMDadoda  
2/7/2020 4:50:56 PM

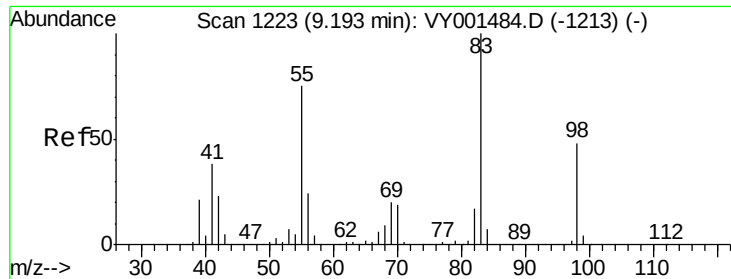


#38  
Carbon Tetrachloride  
Concen: 47.067 ug/l  
RT: 7.93 min Scan# 1016  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.5  | 76.4  | 114.6 |
| 121     | 29.9  | 24.2  | 36.4  |







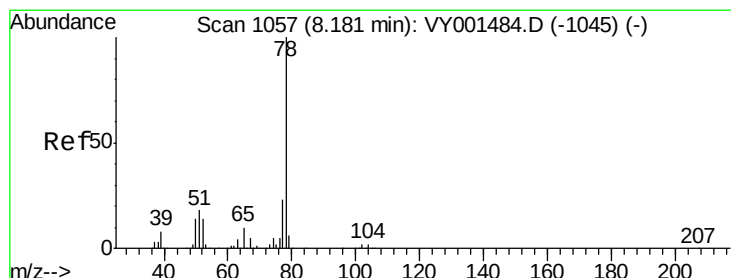
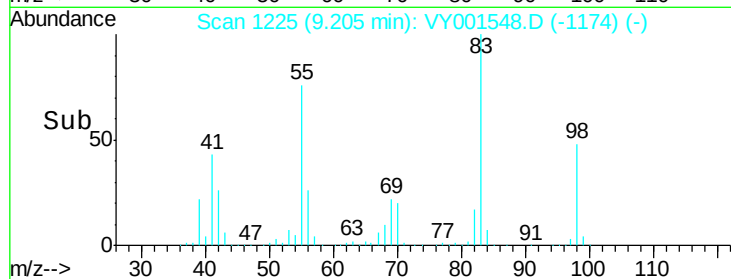
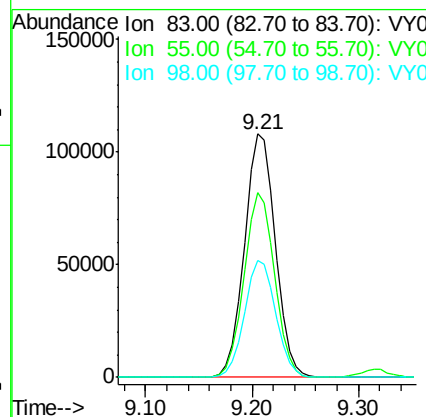
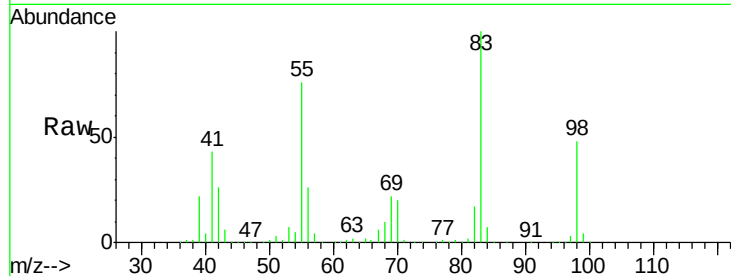
#39  
Methylvlcyclohexane  
Concen: 50.432 ug/l  
RT: 9.21 min Scan# 1225  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 220505 |       |       |
| 55      | 76.1  |        | 59.8  | 89.6  |
| 98      | 48.2  |        | 38.6  | 57.8  |

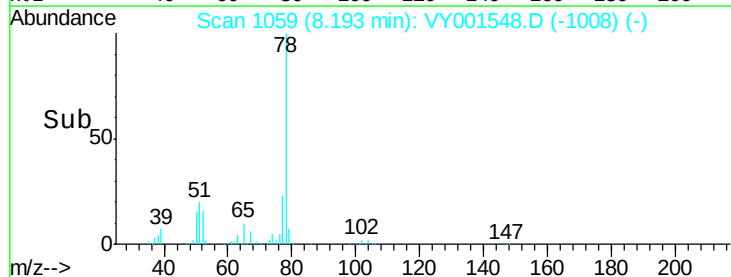
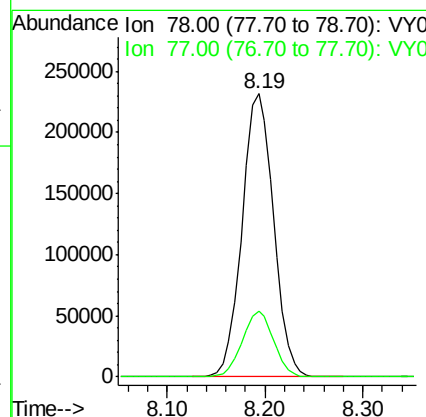
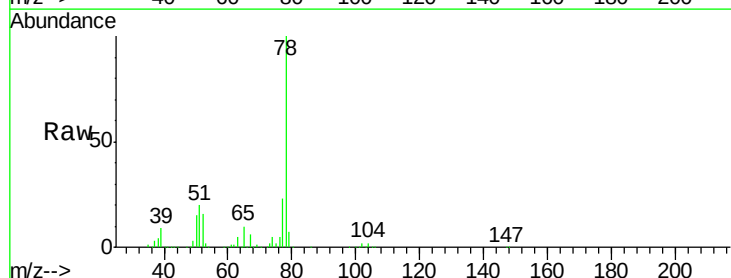
Manual Integrations  
APPROVED

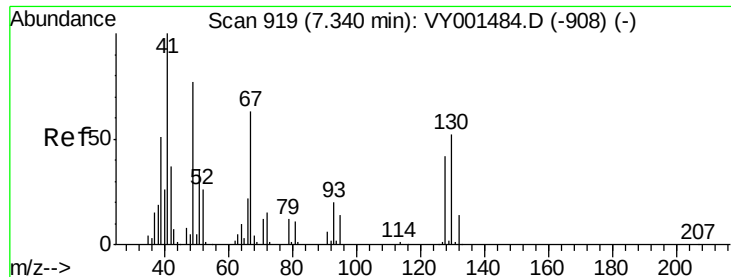
MMDadoda  
2/7/2020 4:50:56 PM



#40  
Benzene  
Concen: 54.556 ug/l  
RT: 8.19 min Scan# 1059  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 516731 |       |       |
| 77      | 23.0  |        | 18.5  | 27.7  |





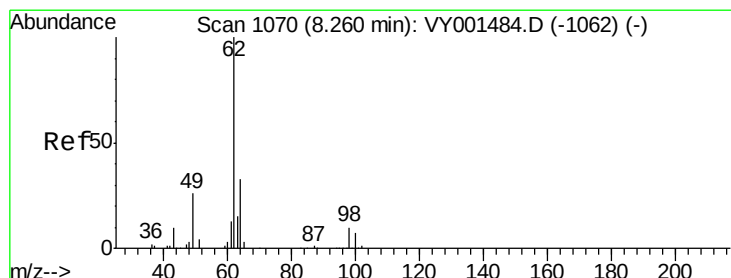
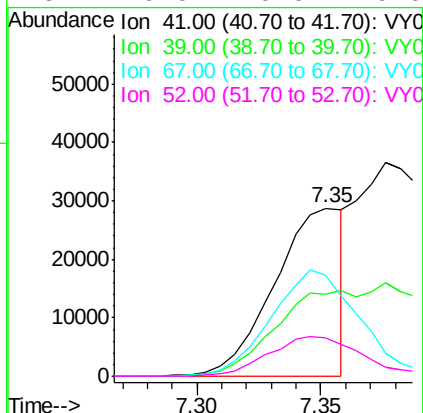
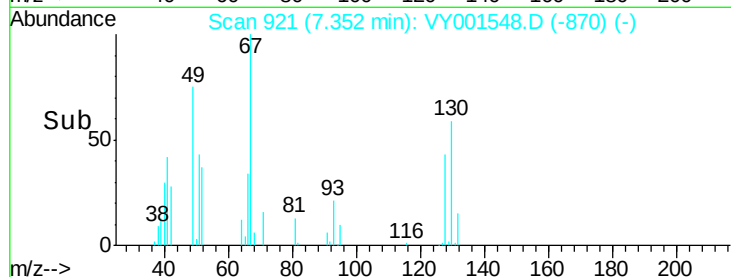
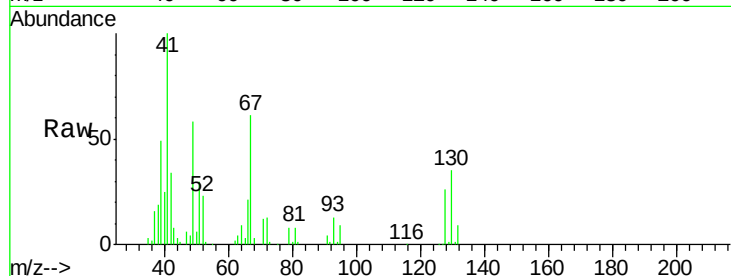
#41  
Methacrylonitrile  
Concen: 75.074 ug/l m  
RT: 7.35 min Scan# 921  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 41    | Resp  | 55932 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 122.1 | 116.8 | 175.2 |
| 67      | 0.0   | 0.0   | 0.0   |
| 52      | 0.0   | 0.0   | 0.0   |

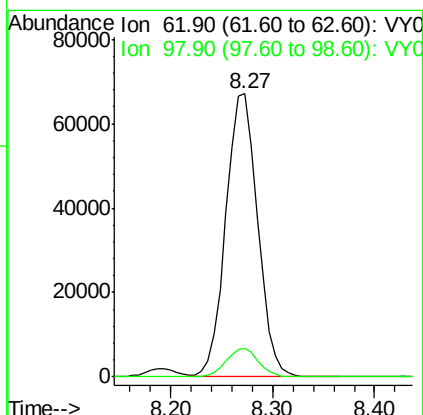
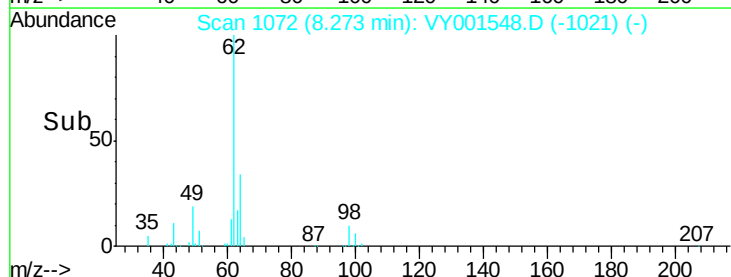
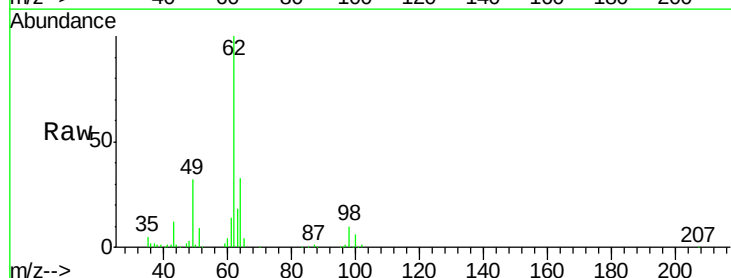
Manual Integrations  
APPROVED

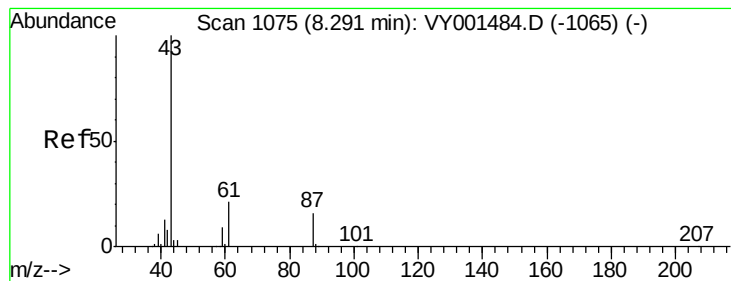
MMDadoda  
2/7/2020 4:50:56 PM



#42  
1,2-Dichloroethane  
Concen: 55.043 ug/l  
RT: 8.27 min Scan# 1072  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

| Tgt Ion | 62    | Resp  | 145246 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 62      | 100   |       |        |
| 98      | 10.2  | 0.0   | 21.0   |





#43

Isopropyl Acetate

Concen: 66.734 ug/l

RT: 8.30 min Scan# 1077

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Instrument :

MSVOA\_Y

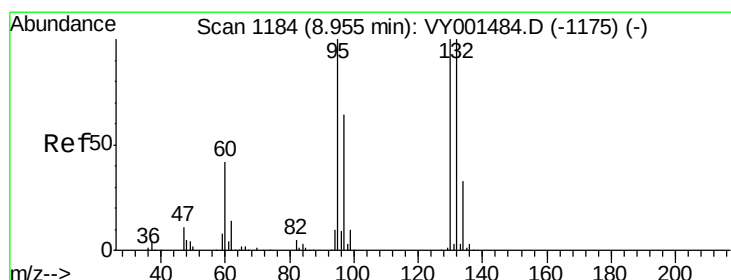
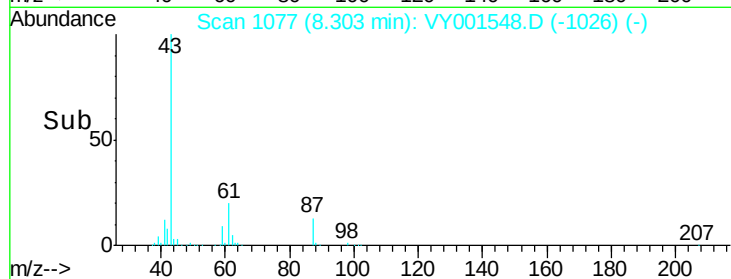
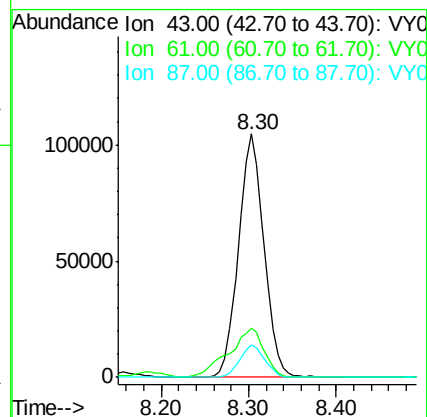
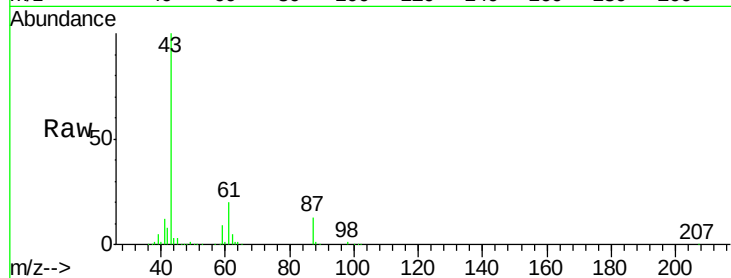
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 212400 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 28.0  | 25.1  | 37.7   |
| 87       | 13.2  | 12.6  | 19.0   |

Manual Integrations  
APPROVED

MMDadoda  
2/7/2020 4:50:56 PM



#44

Trichloroethene

Concen: 50.327 ug/l

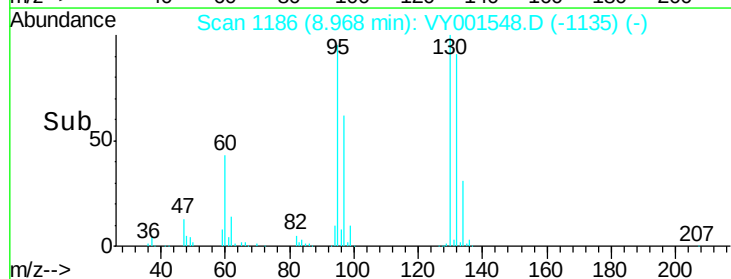
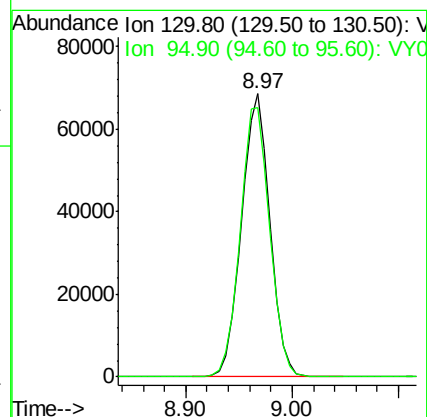
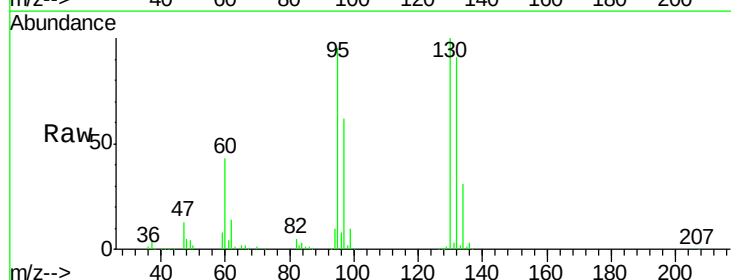
RT: 8.97 min Scan# 1186

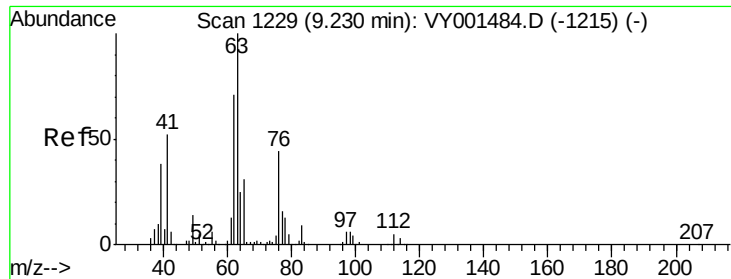
Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 128487 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 95.3  | 0.0   | 199.2  |





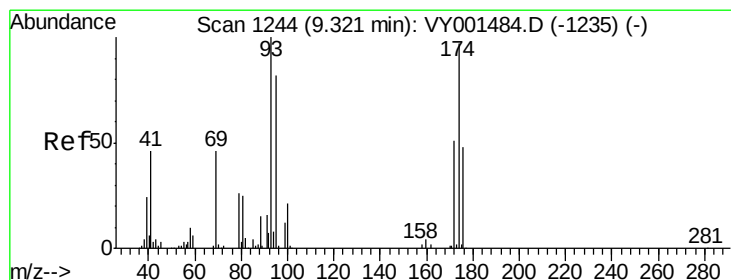
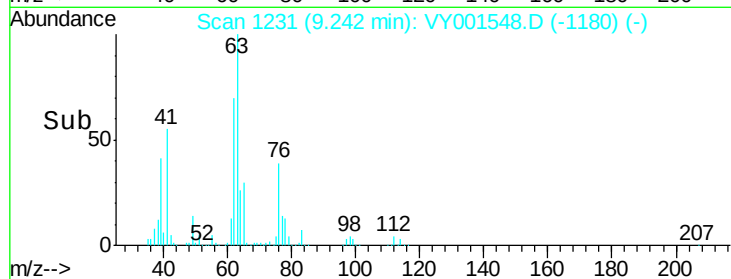
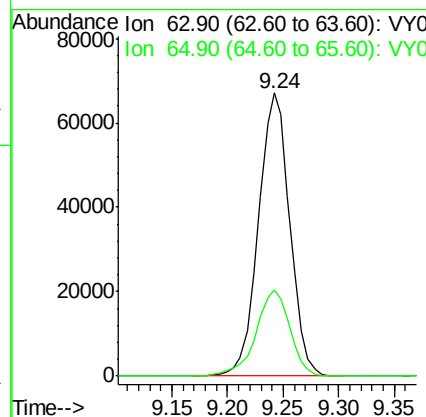
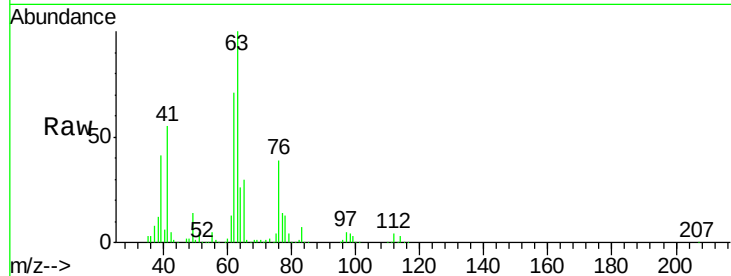
#45  
 1,2-Dichloropropane  
 Concen: 57.379 ug/l  
 RT: 9.24 min Scan# 1231  
 Delta R.T. 0.01 min  
 Lab File: VY001548.D  
 Acq: 06 Feb 2020 21:44

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.4  | 25.0  | 37.4  |

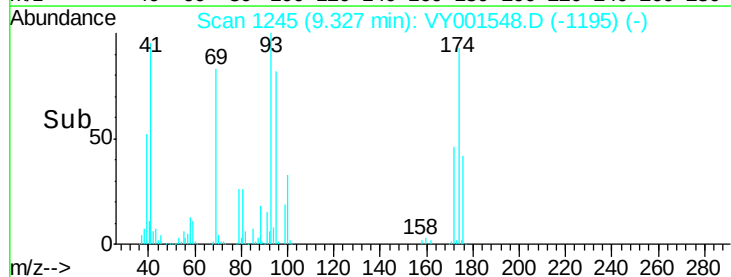
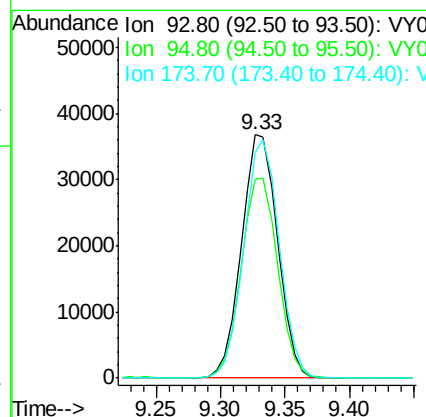
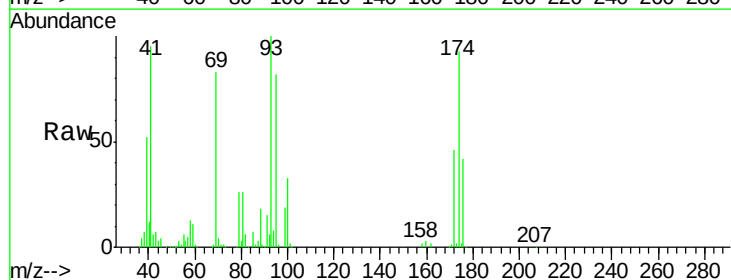
Manual Integrations  
 APPROVED

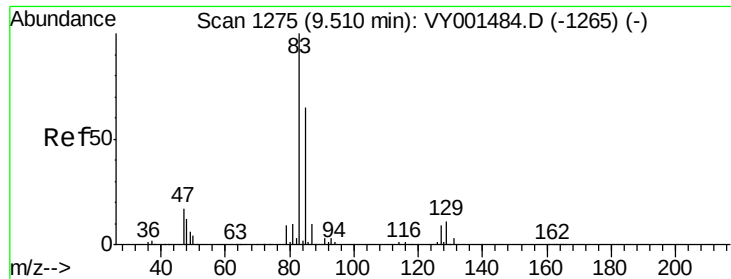
MMDadoda  
 2/7/2020 4:50:56 PM



#46  
 Dibromomethane  
 Concen: 55.566 ug/l  
 RT: 9.33 min Scan# 1245  
 Delta R.T. 0.01 min  
 Lab File: VY001548.D  
 Acq: 06 Feb 2020 21:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 83.0  | 66.6  | 99.8  |
| 174     | 96.1  | 75.4  | 113.2 |





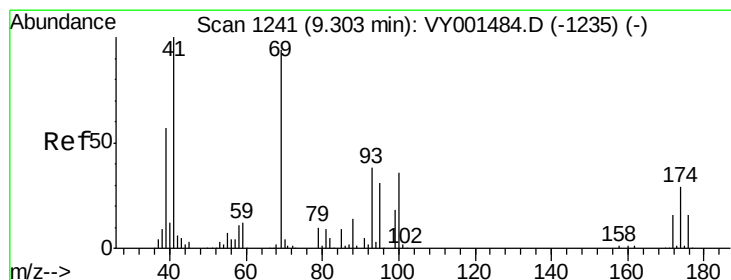
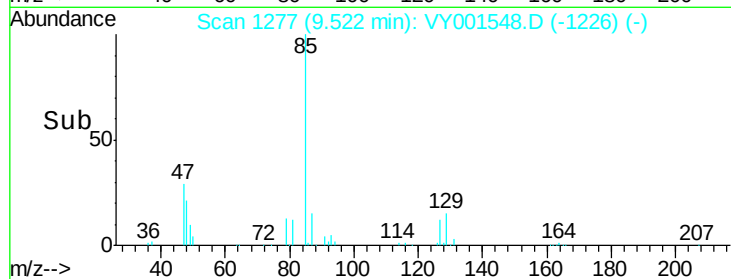
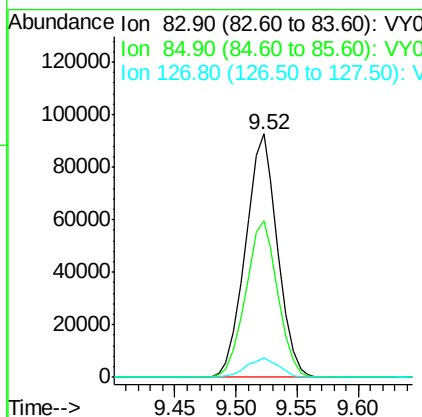
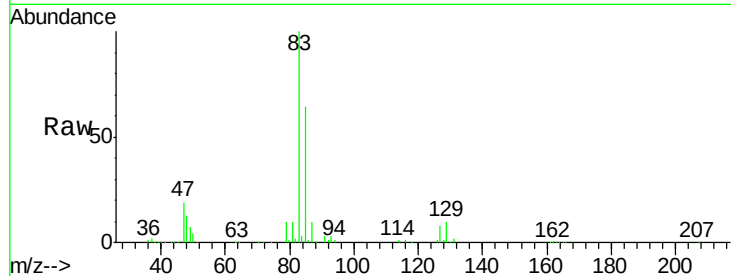
#47  
Bromodichloromethane  
Concen: 53.640 ug/l  
RT: 9.52 min Scan# 1277  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 167849 |       |       |
| 85      | 64.2  |        | 51.9  | 77.9  |
| 127     | 8.0   |        | 6.9   | 10.3  |

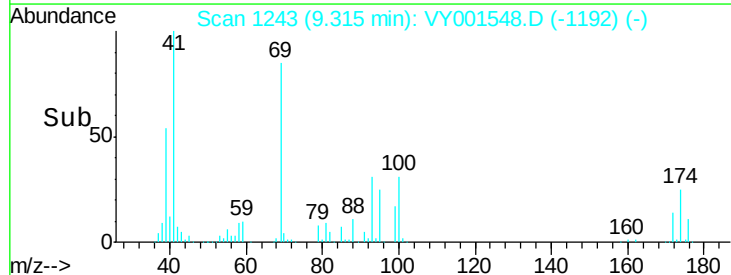
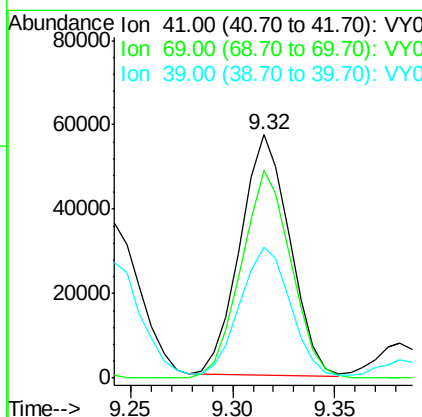
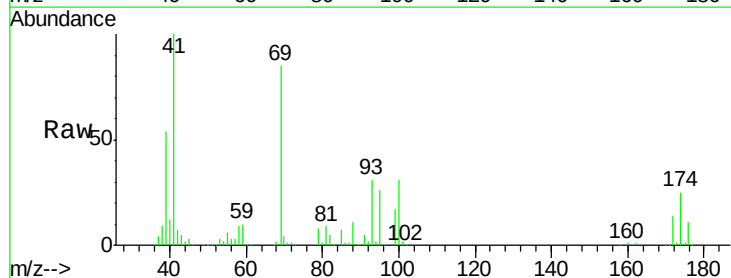
Manual Integrations  
APPROVED

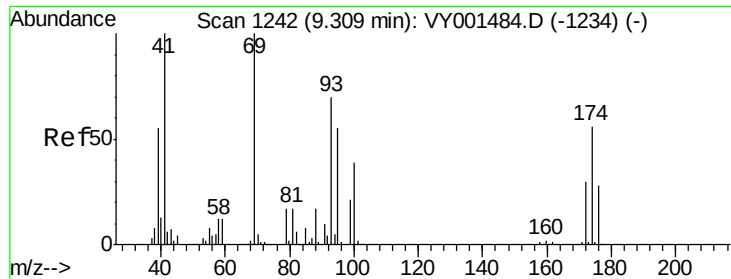
MMDadoda  
2/7/2020 4:50:56 PM



#48  
Methyl methacrylate  
Concen: 66.573 ug/l  
RT: 9.32 min Scan# 1243  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 41      | 100   | 96169 |       |       |
| 69      | 87.0  |       | 76.6  | 114.8 |
| 39      | 56.5  |       | 45.4  | 68.0  |





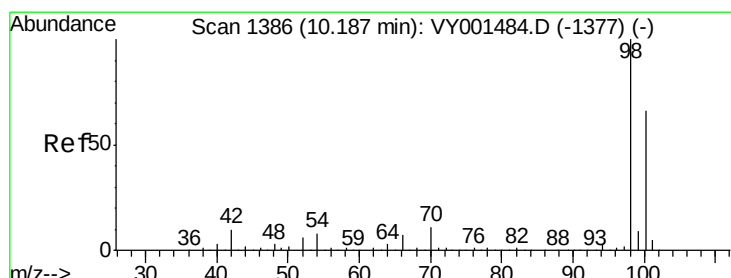
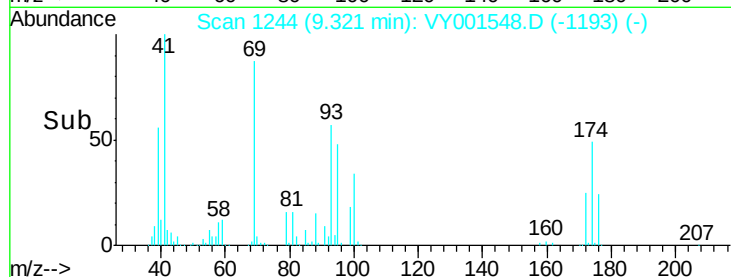
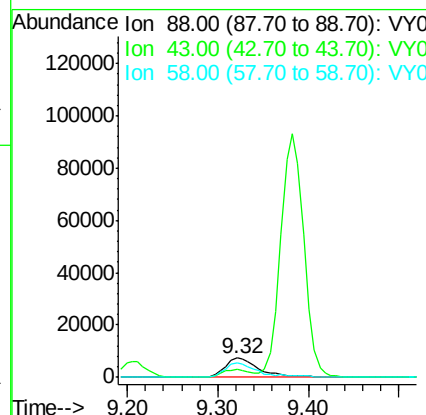
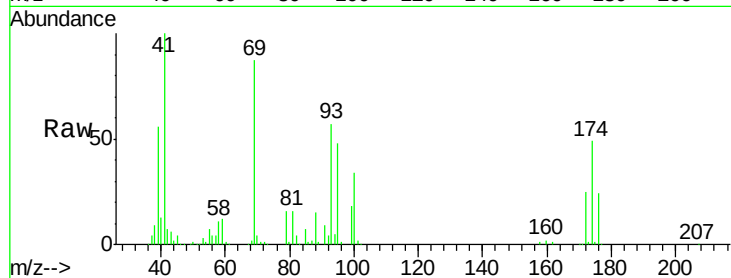
#49  
1,4-Dioxane  
Concen: 1143.034 ug/l  
RT: 9.32 min Scan# 1244  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 88    | Resp  | 19387 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 32.7  | 24.8  | 37.2  |
| 58      | 74.2  | 59.3  | 88.9  |

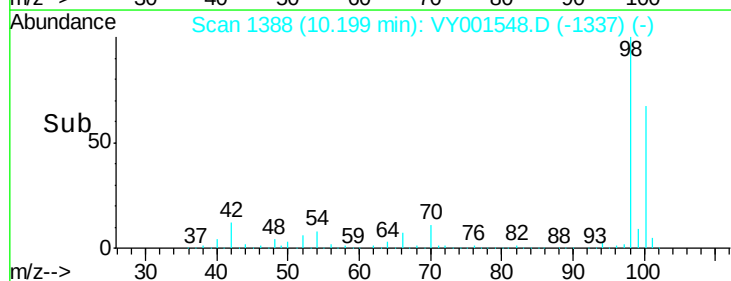
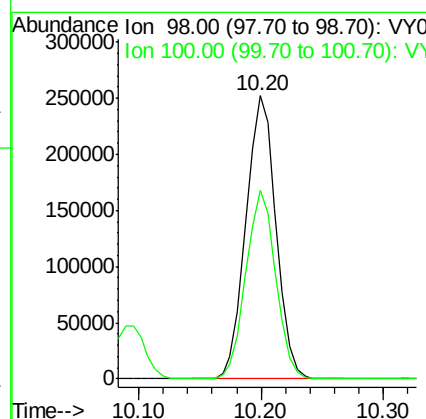
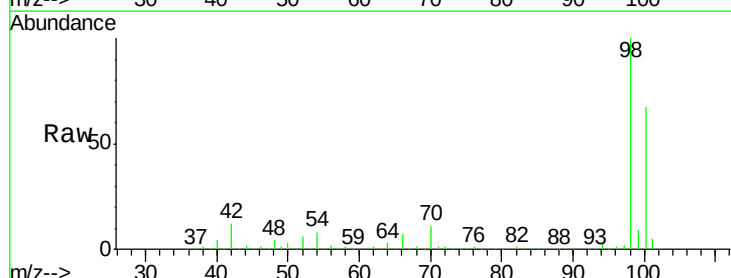
Manual Integrations  
APPROVED

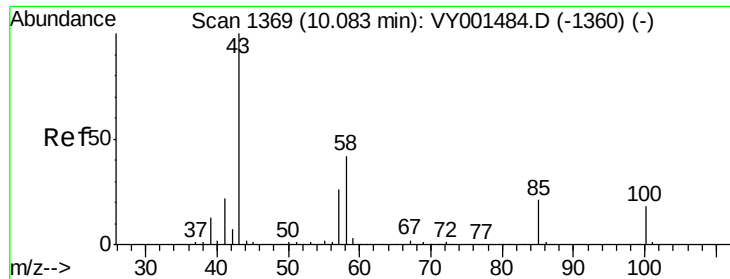
MMDadoda  
2/7/2020 4:50:56 PM



#50  
Toluene-d8  
Concen: 54.233 ug/l  
RT: 10.20 min Scan# 1388  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

| Tgt Ion | 98    | Resp  | 429486 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 66.0  | 53.0  | 79.6   |





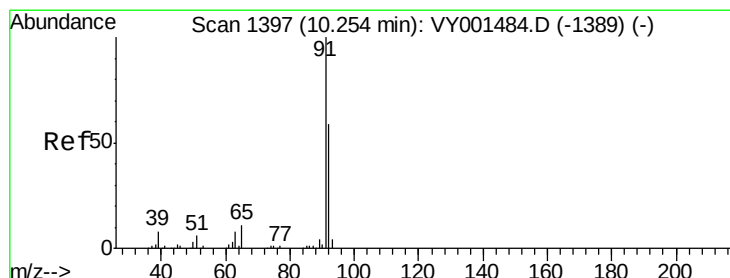
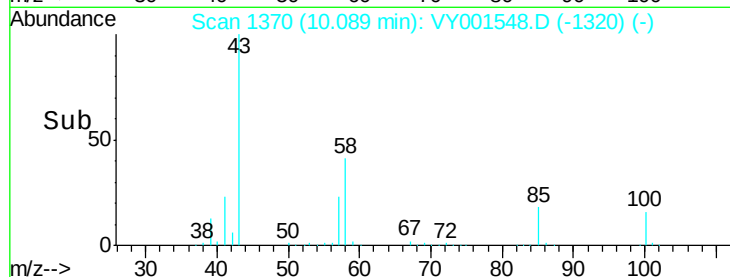
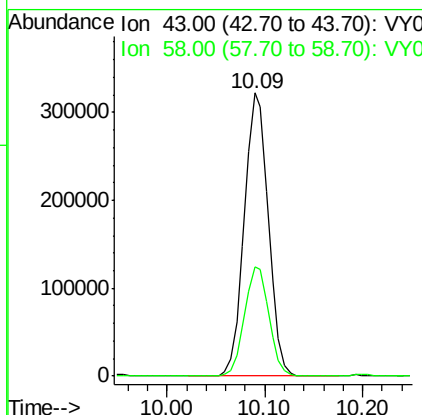
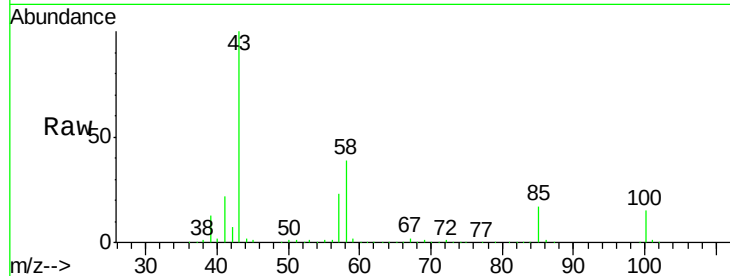
#51  
4-Methyl-2-Pentanone  
Concen: 350.311 ug/l  
RT: 10.09 min Scan# 1370  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 39.1  | 33.9  | 50.9  |

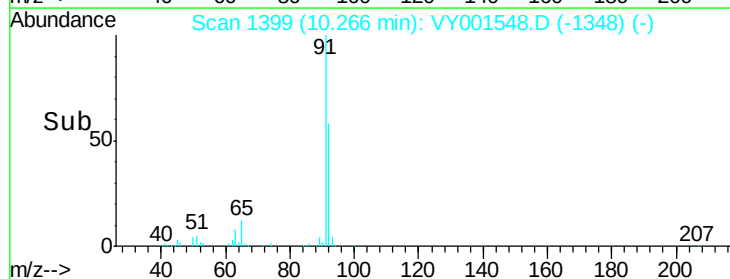
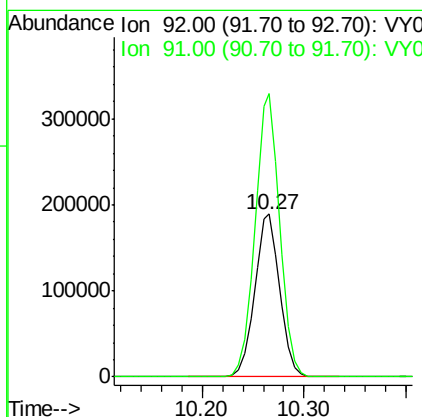
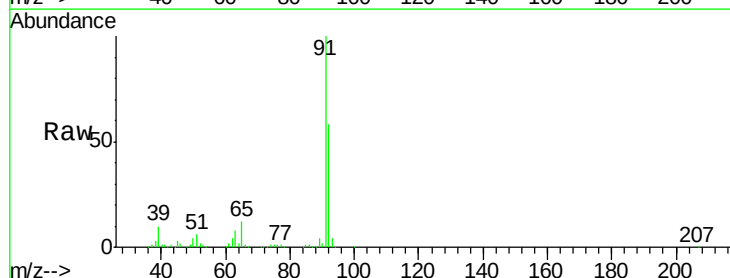
Manual Integrations  
APPROVED

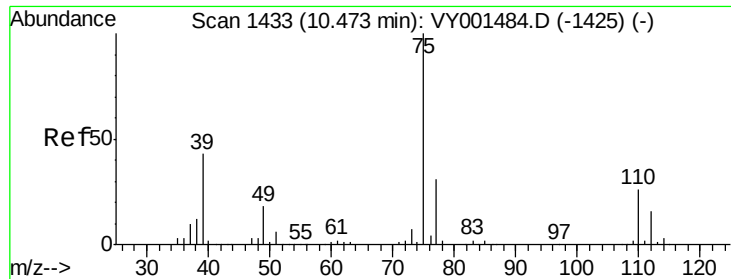
MMDadoda  
2/7/2020 4:50:56 PM



#52  
Toluene  
Concen: 53.489 ug/l  
RT: 10.27 min Scan# 1399  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 172.0 | 136.6 | 204.8 |





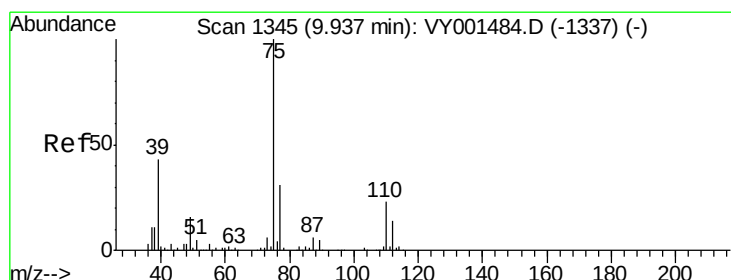
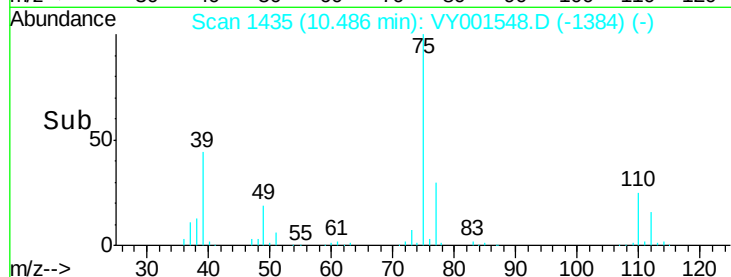
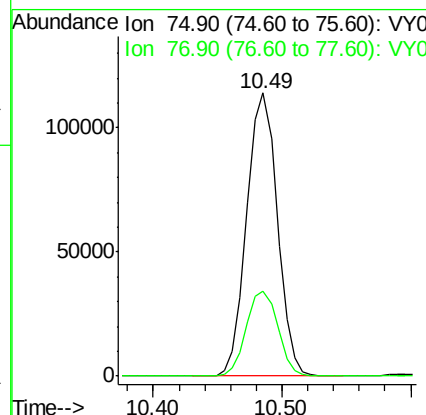
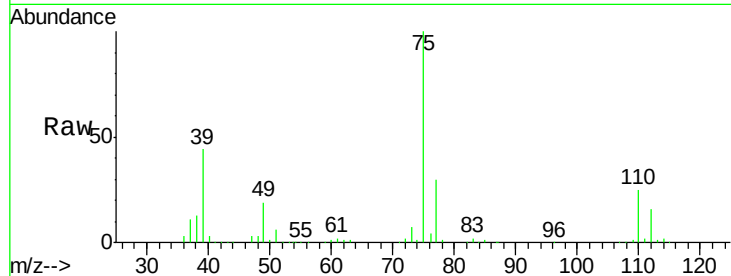
#53  
t-1,3-Dichloropropene  
Concen: 54.993 ug/l  
RT: 10.49 min Scan# 1435  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.1  | 24.9  | 37.3  |

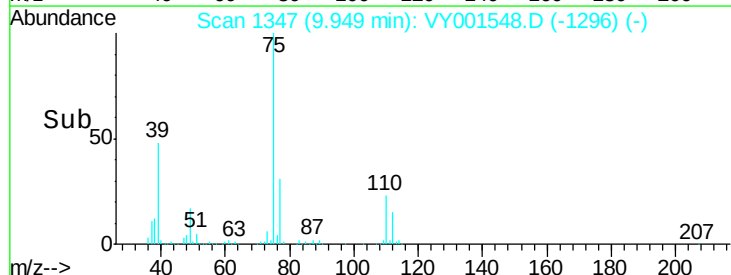
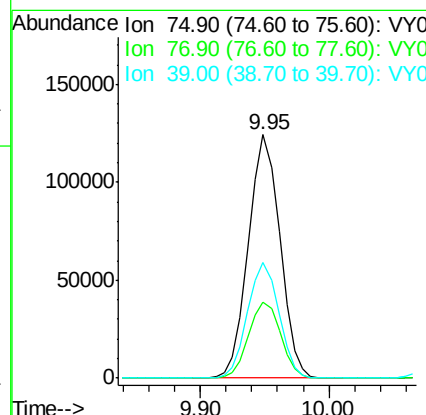
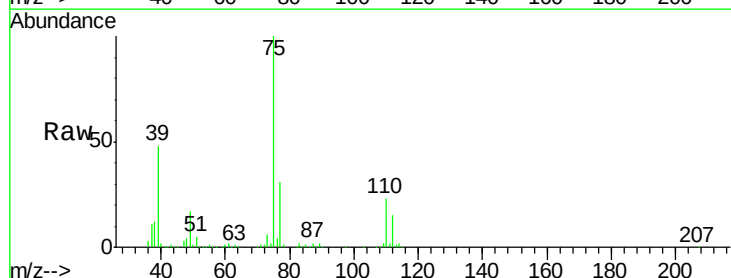
Manual Integrations  
APPROVED

MMDadoda  
2/7/2020 4:50:56 PM

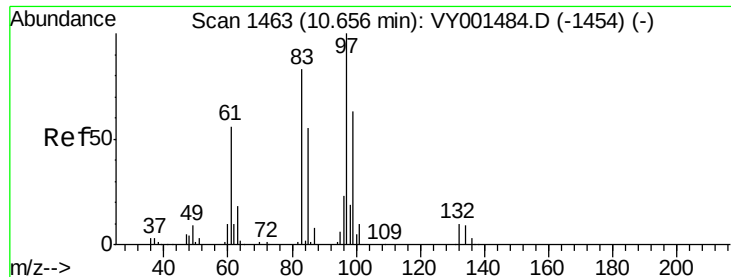


#54  
cis-1,3-Dichloropropene  
Concen: 53.813 ug/l  
RT: 9.95 min Scan# 1347  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.1  | 24.7  | 37.1  |
| 39      | 47.5  | 34.0  | 51.0  |







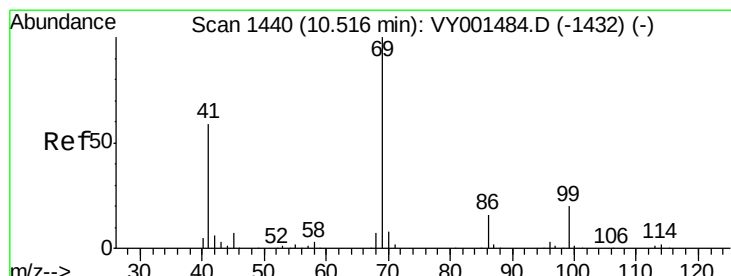
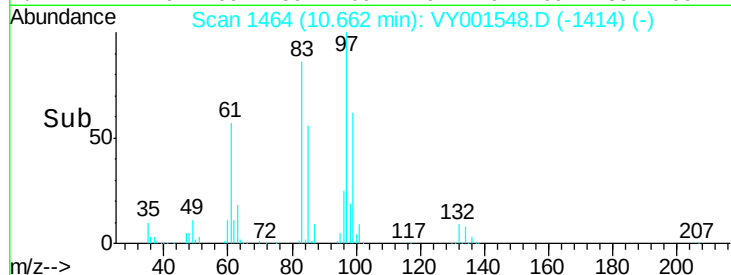
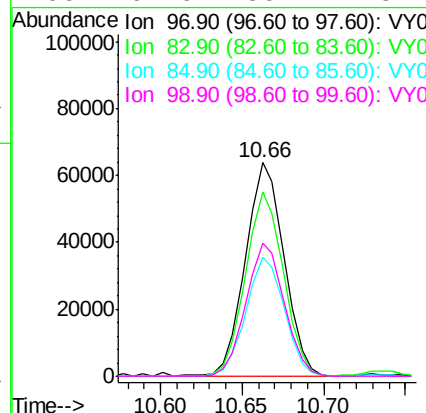
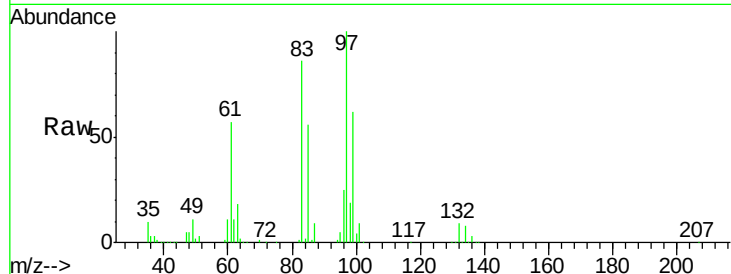
#55  
 1,1,2-Trichloroethane  
 Concen: 56.870 ug/l  
 RT: 10.66 min Scan# 1464  
 Delta R.T. 0.01 min  
 Lab File: VY001548.D  
 Acq: 06 Feb 2020 21:44

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 104790 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 86.3  | 66.2  | 99.2   |
| 85       | 55.7  | 43.8  | 65.6   |
| 99       | 62.6  | 50.1  | 75.1   |

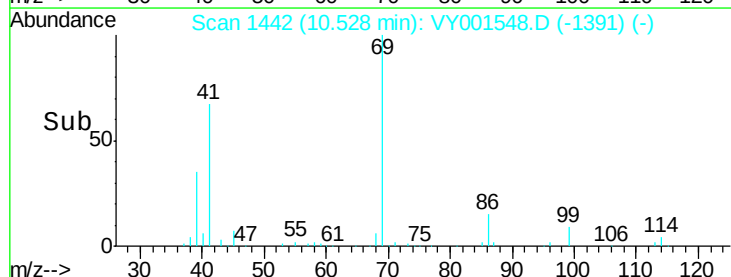
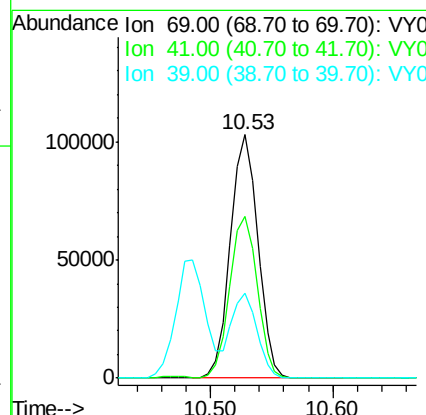
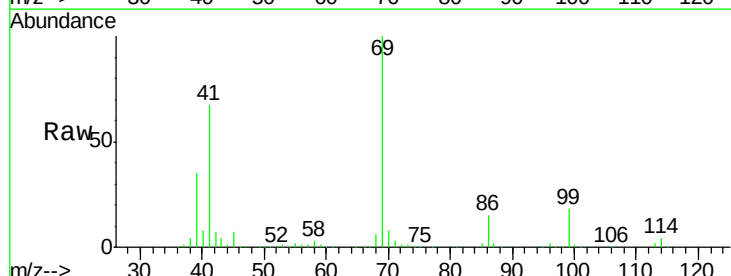
Manual Integrations  
 APPROVED

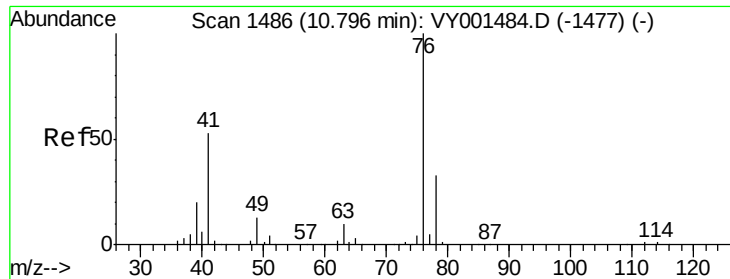
MMDadoda  
 2/7/2020 4:50:56 PM



#56  
 Ethyl methacrylate  
 Concen: 61.383 ug/l  
 RT: 10.53 min Scan# 1442  
 Delta R.T. 0.01 min  
 Lab File: VY001548.D  
 Acq: 06 Feb 2020 21:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 160874 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 66.6  | 47.8  | 71.8   |
| 39       | 34.3  | 24.4  | 36.6   |





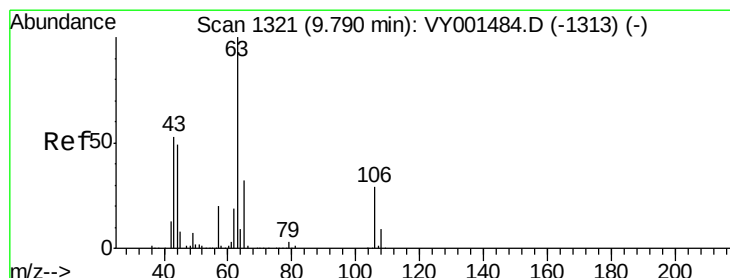
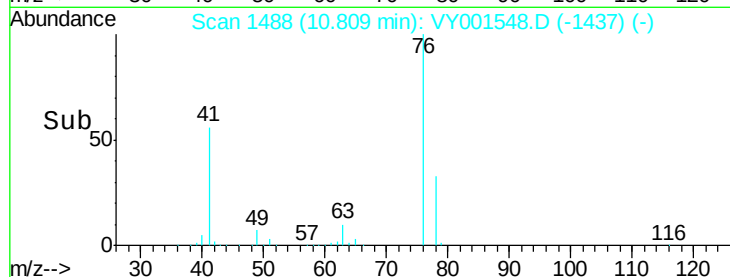
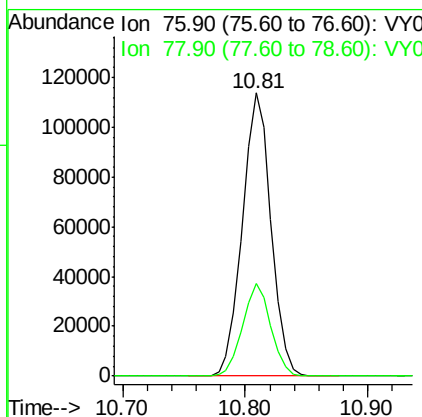
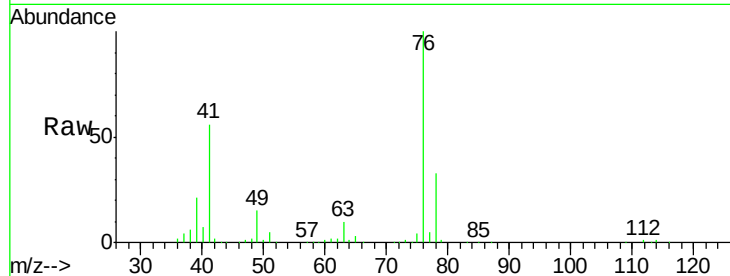
#57  
 1,3-Dichloropropane  
 Concen: 56.681 ug/l  
 RT: 10.81 min Scan# 1488  
 Delta R.T. 0.01 min  
 Lab File: VY001548.D  
 Acq: 06 Feb 2020 21:44

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 76 Resp: 184110  
 Ion Ratio Lower Upper  
 76 100  
 78 32.4 25.7 38.5

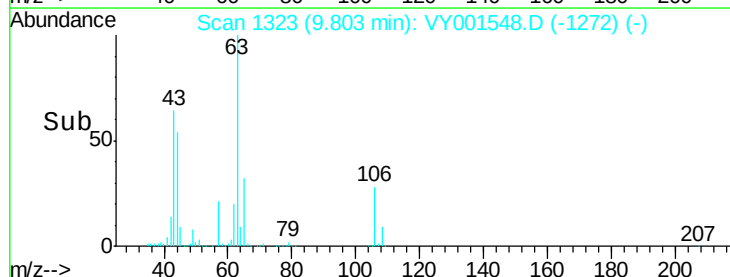
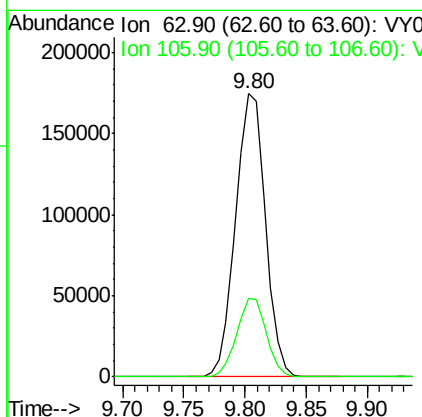
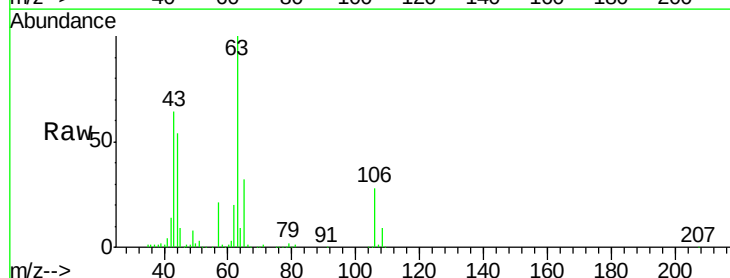
Manual Integrations  
 APPROVED

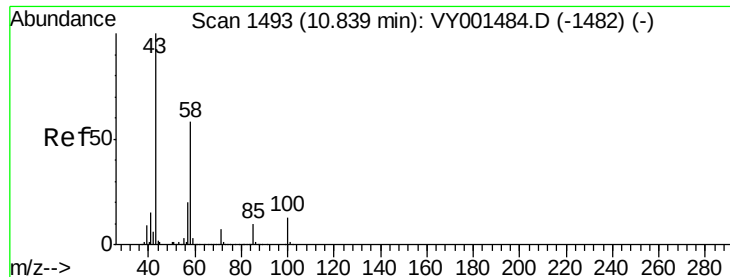
MMDadoda  
 2/7/2020 4:50:56 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 305.809 ug/l  
 RT: 9.80 min Scan# 1323  
 Delta R.T. 0.01 min  
 Lab File: VY001548.D  
 Acq: 06 Feb 2020 21:44

Tgt Ion: 63 Resp: 294843  
 Ion Ratio Lower Upper  
 63 100  
 106 27.6 24.0 36.0





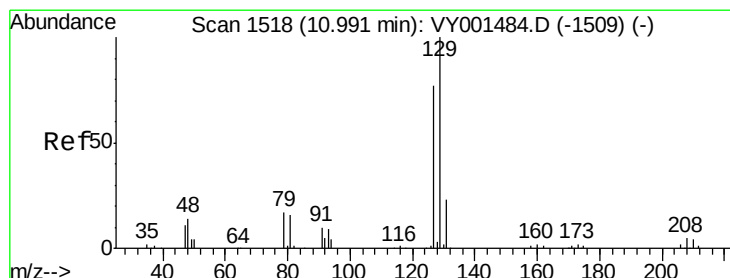
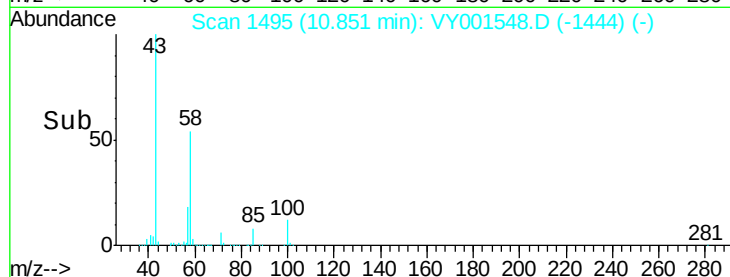
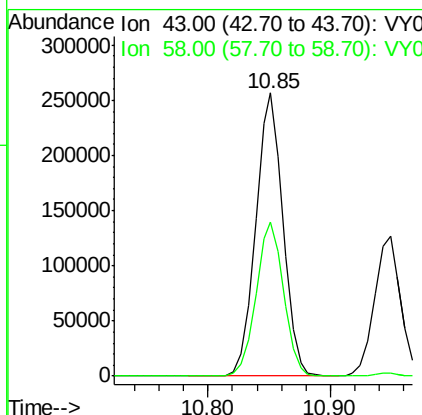
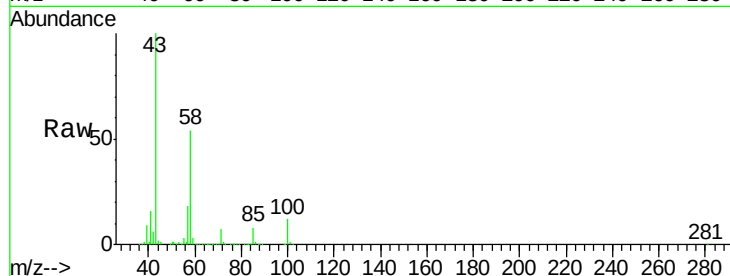
#59  
2-Hexanone  
Concen: 348.833 ug/l  
RT: 10.85 min Scan# 1495  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 397552  
Ion Ratio Lower Upper  
43 100  
58 54.9 29.0 87.0

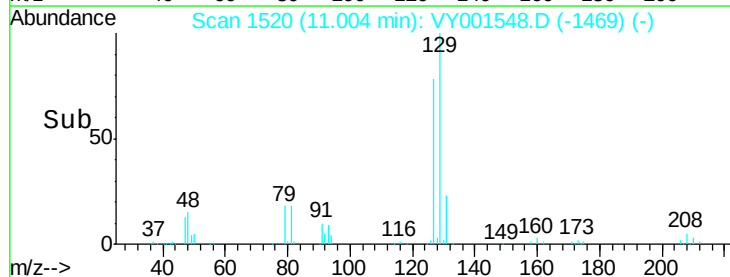
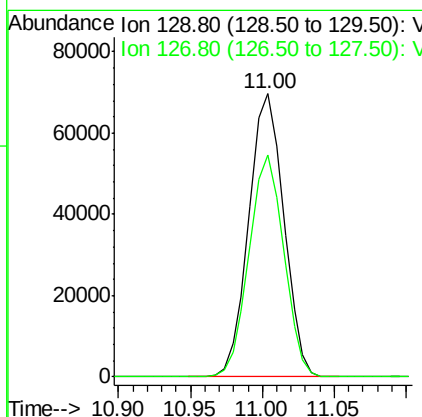
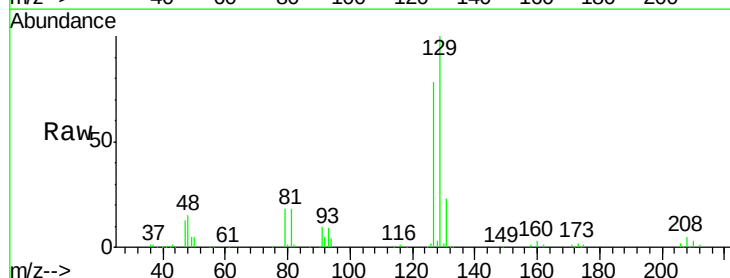
Manual Integrations  
APPROVED

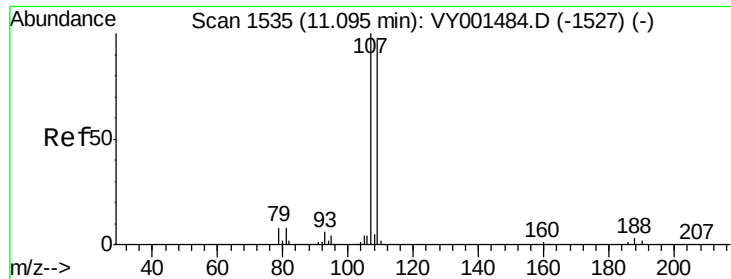
MMDadoda  
2/7/2020 4:50:56 PM



#60  
Dibromochloromethane  
Concen: 54.049 ug/l  
RT: 11.00 min Scan# 1520  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

Tgt Ion: 129 Resp: 117395  
Ion Ratio Lower Upper  
129 100  
127 77.8 38.9 116.6





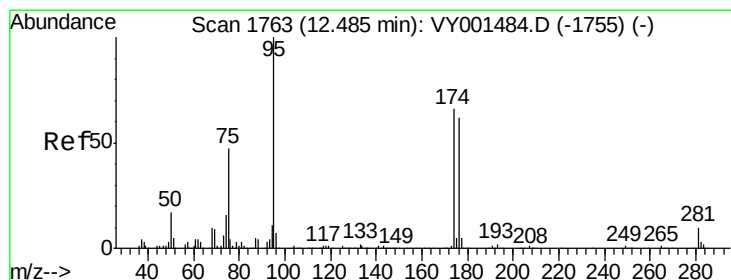
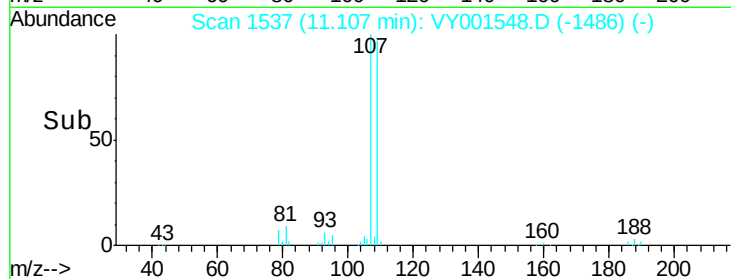
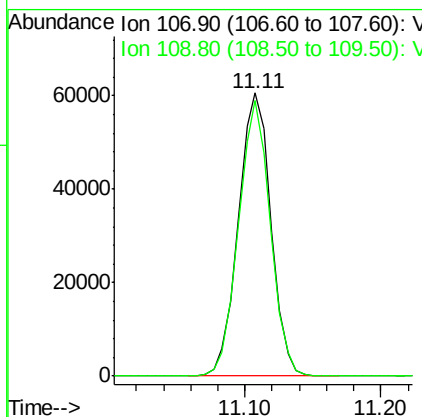
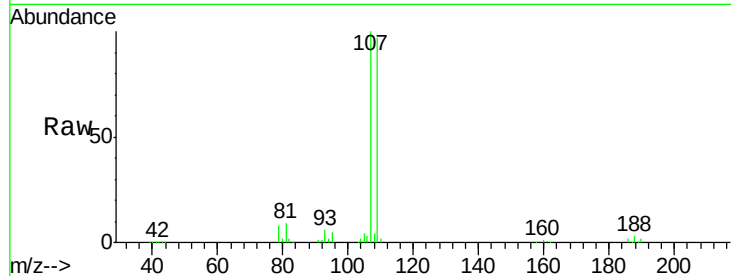
#61  
 1,2-Dibromoethane  
 Concen: 55.614 ug/l  
 RT: 11.11 min Scan# 1537  
 Delta R.T. 0.01 min  
 Lab File: VY001548.D  
 Acq: 06 Feb 2020 21:44

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 100933 |       |       |
| 109     | 95.0  | 76.2   | 114.2 |       |

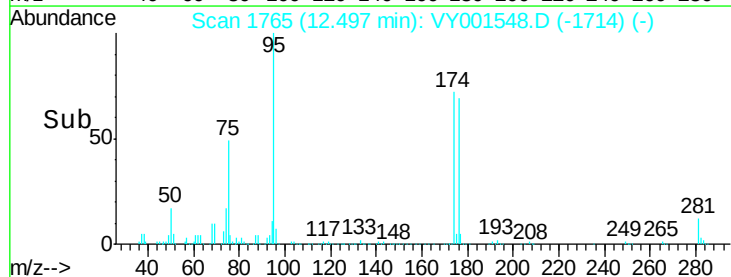
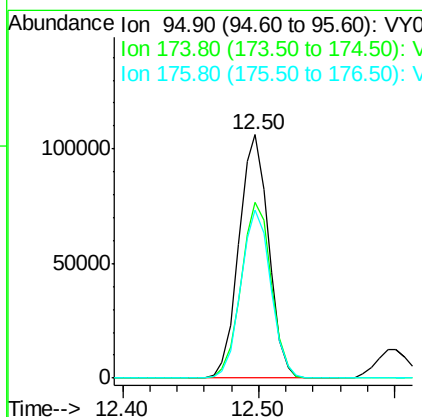
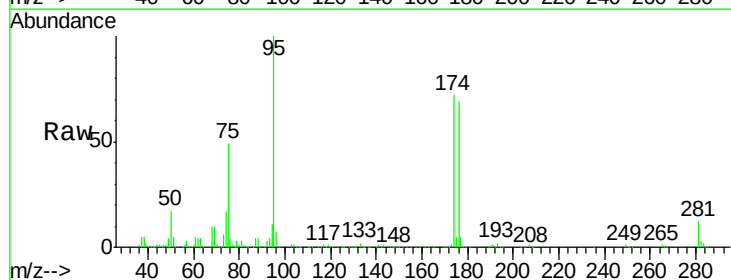
Manual Integrations  
 APPROVED

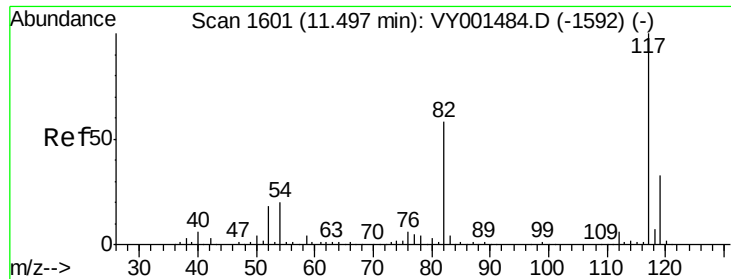
MMDadoda  
 2/7/2020 4:50:56 PM



#62  
 4-Bromofluorobenzene  
 Concen: 51.740 ug/l  
 RT: 12.50 min Scan# 1765  
 Delta R.T. 0.01 min  
 Lab File: VY001548.D  
 Acq: 06 Feb 2020 21:44

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 161418 |       |       |
| 174     | 73.3  | 0.0    | 141.4 |       |
| 176     | 69.7  | 0.0    | 135.4 |       |





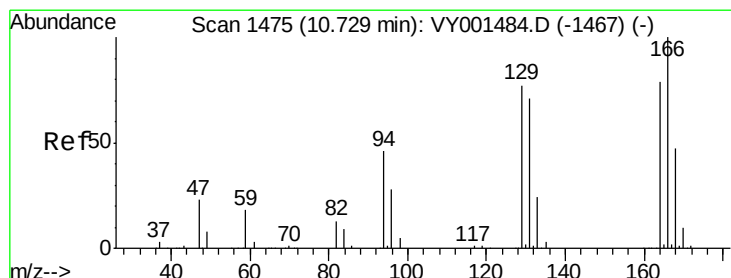
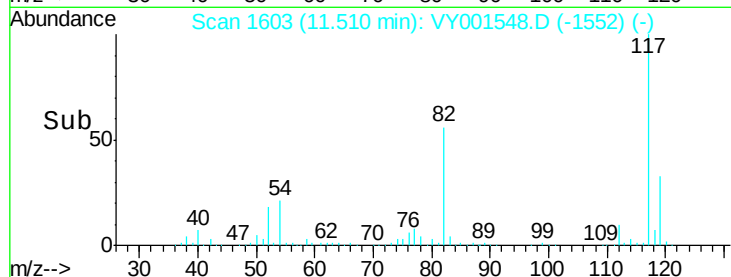
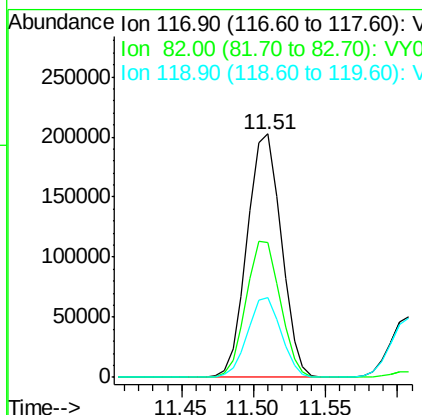
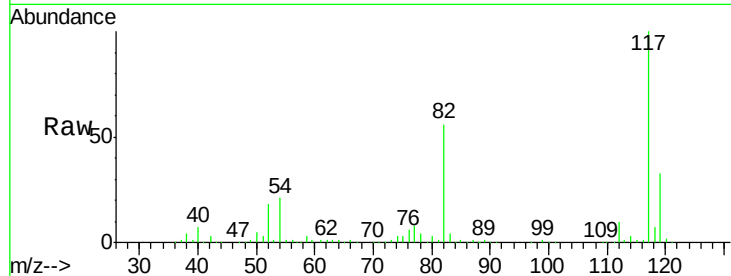
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.51 min Scan# 1603  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.6  | 46.1  | 69.1  |
| 119     | 32.7  | 26.1  | 39.1  |

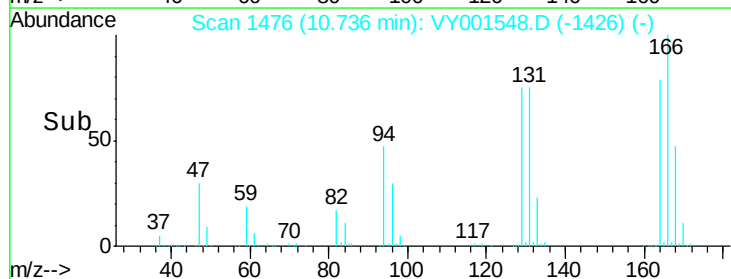
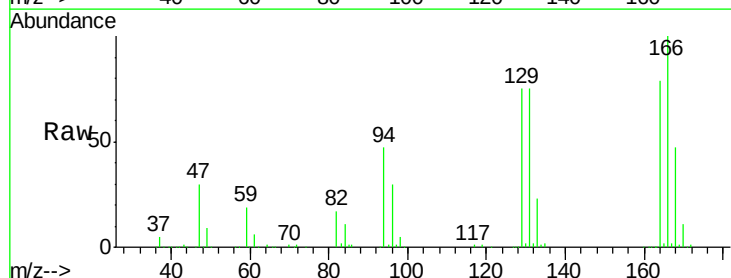
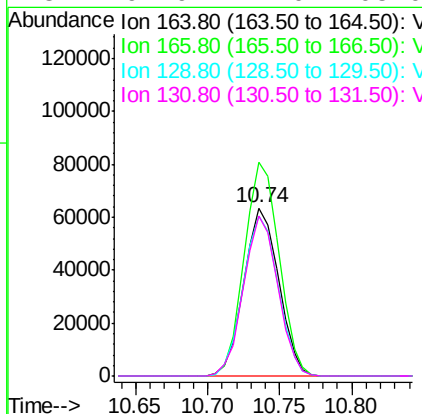
Manual Integrations  
APPROVED

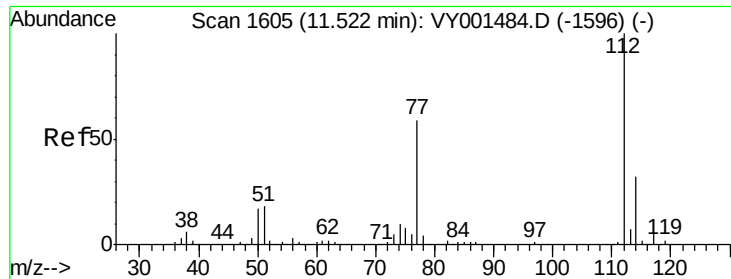
MMDadoda  
2/7/2020 4:50:56 PM



#64  
Tetrachloroethene  
Concen: 48.774 ug/l  
RT: 10.74 min Scan# 1476  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.1 | 100.8 | 151.2 |
| 129     | 95.3  | 77.8  | 116.6 |
| 131     | 94.9  | 72.0  | 108.0 |





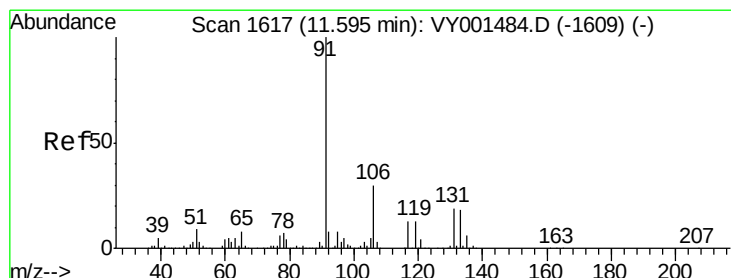
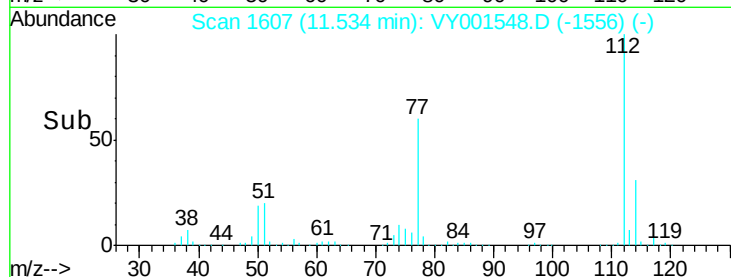
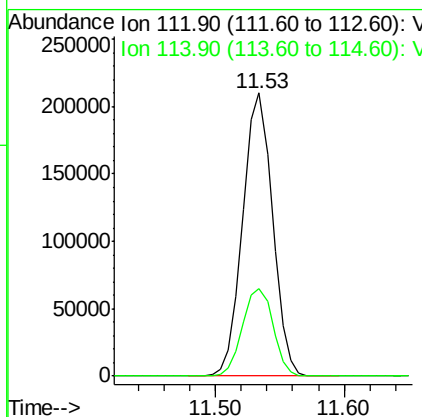
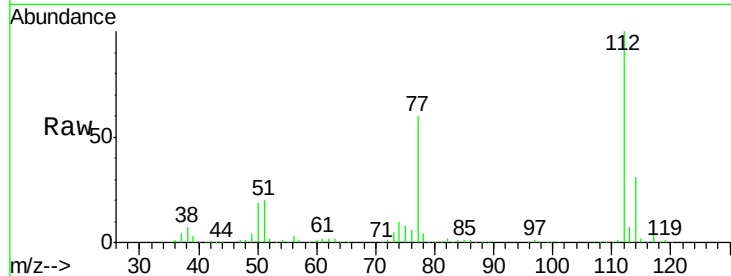
#65  
Chlorobenzene  
Concen: 51.508 ug/l  
RT: 11.53 min Scan# 1607  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 336315  
Ion Ratio Lower Upper  
112 100  
114 31.1 25.4 38.2

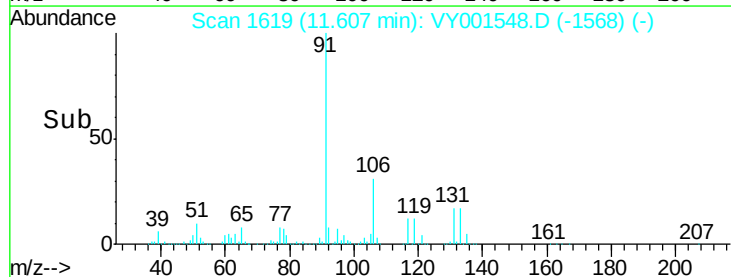
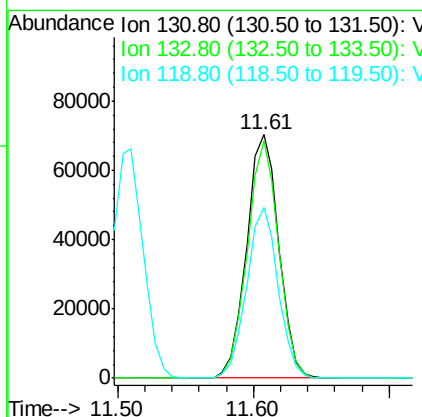
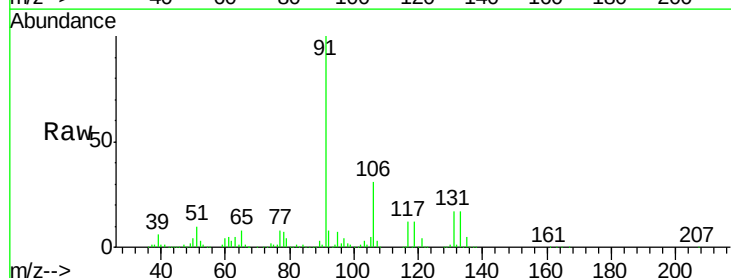
Manual Integrations  
APPROVED

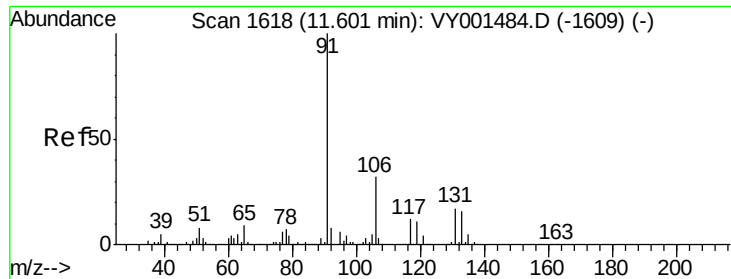
MMDadoda  
2/7/2020 4:50:56 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.931 ug/l  
RT: 11.61 min Scan# 1619  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

Tgt Ion:131 Resp: 116388  
Ion Ratio Lower Upper  
131 100  
133 95.2 47.9 143.8  
119 68.8 33.7 101.0





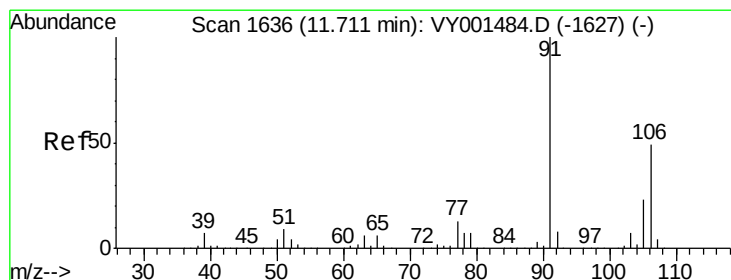
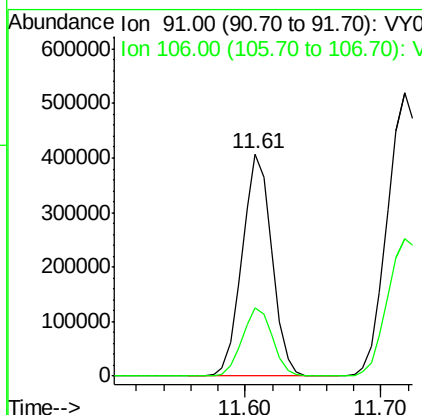
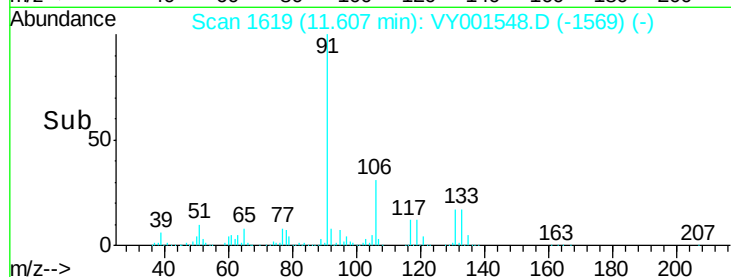
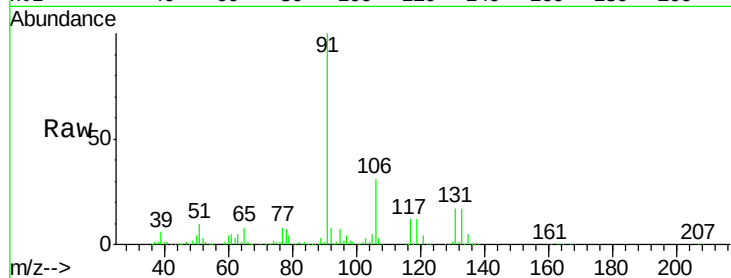
#67  
Ethyl Benzene  
Concen: 51.454 ug/l  
RT: 11.61 min Scan# 1619  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 621181  
Ion Ratio Lower Upper  
91 100  
106 30.5 25.3 37.9

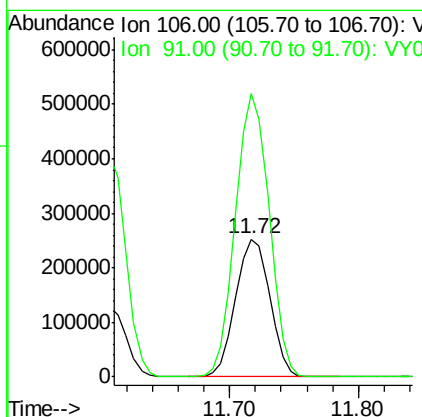
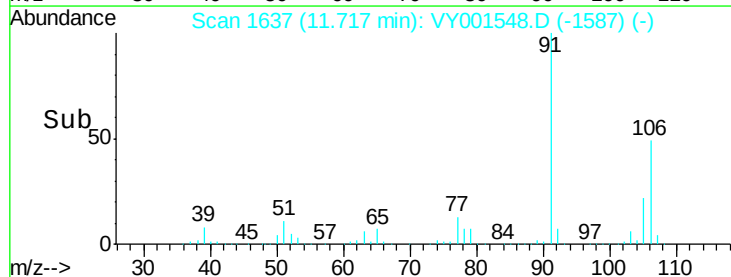
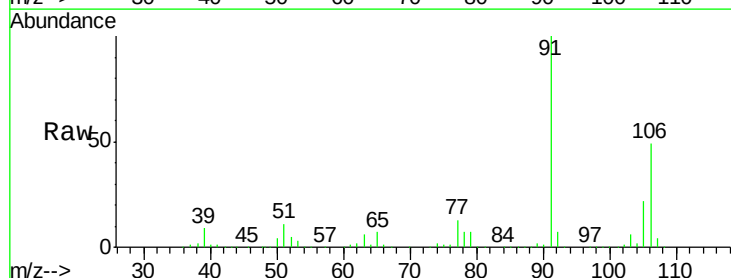
Manual Integrations  
APPROVED

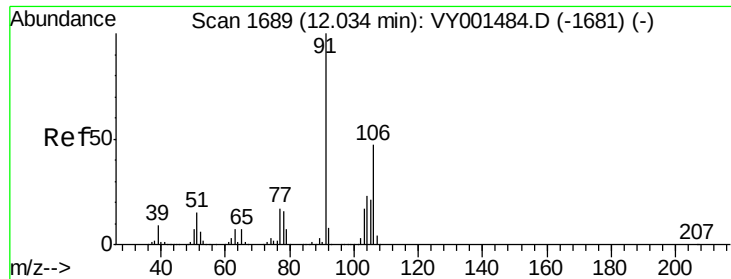
MMDadoda  
2/7/2020 4:50:56 PM



#68  
m/p-Xylenes  
Concen: 102.888 ug/l  
RT: 11.72 min Scan# 1637  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

Tgt Ion: 106 Resp: 466301  
Ion Ratio Lower Upper  
106 100  
91 203.1 163.6 245.4





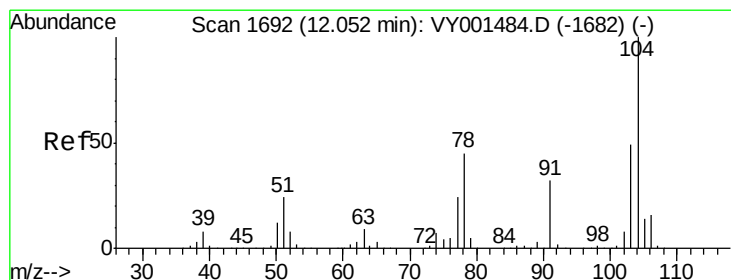
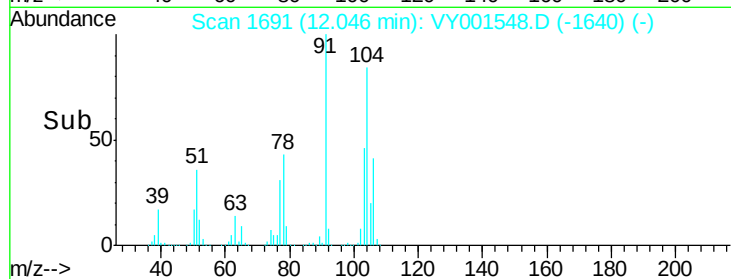
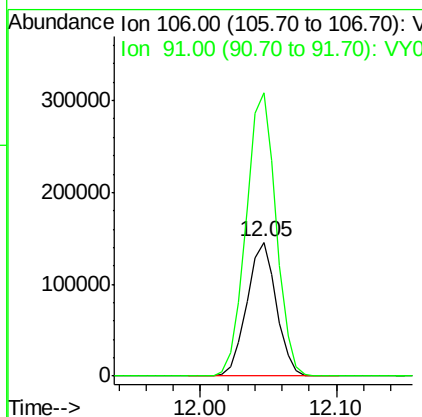
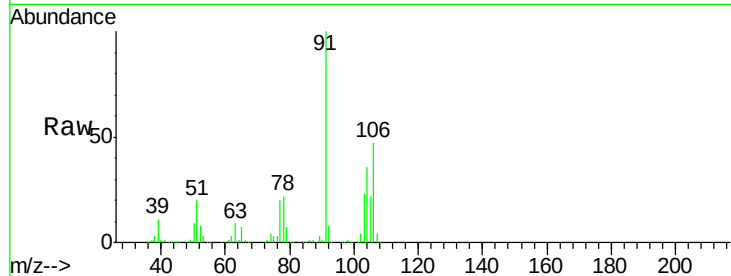
#69  
o-Xylene  
Concen: 51.921 ug/l  
RT: 12.05 min Scan# 1691  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 221865 |       |       |
| 91      | 214.6 | 106.0 | 318.0  |       |       |

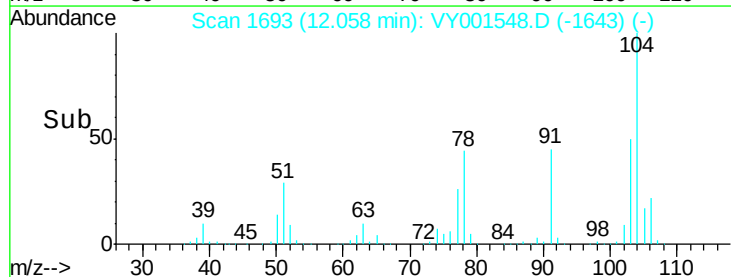
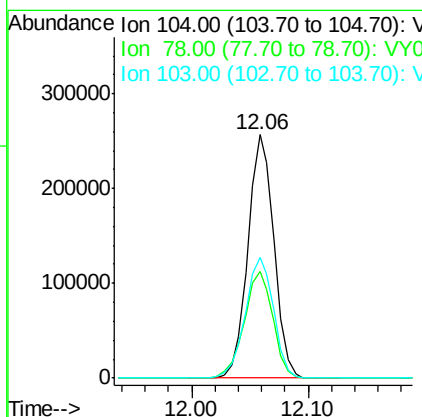
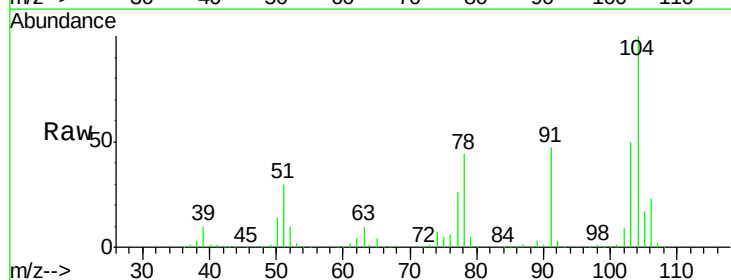
Manual Integrations  
APPROVED

MMDadoda  
2/7/2020 4:50:56 PM

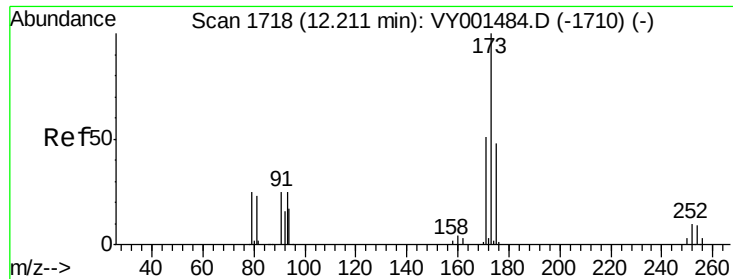


#70  
Styrene  
Concen: 54.005 ug/l  
RT: 12.06 min Scan# 1693  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 399076 |       |       |
| 78      | 48.5 | 40.4  | 60.6   |       |       |
| 103     | 53.9 | 42.8  | 64.2   |       |       |







#71

Bromoform

Concen: 55.096 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 70108

Ion Ratio Lower Upper

173 100

175 48.6 24.0 72.0

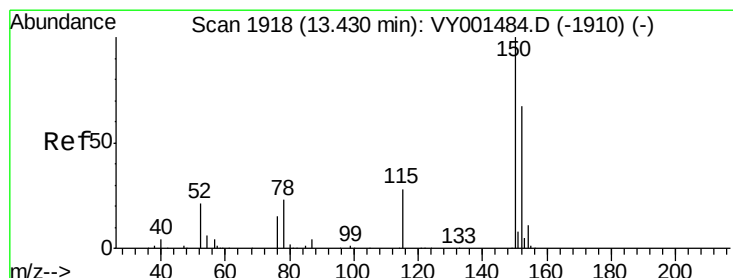
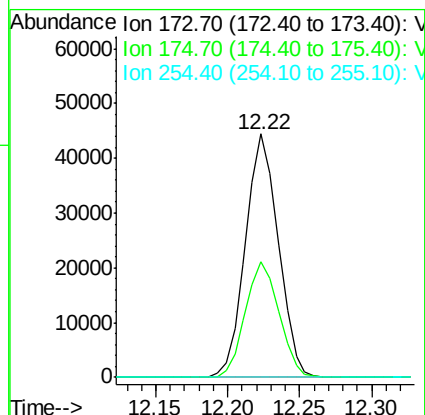
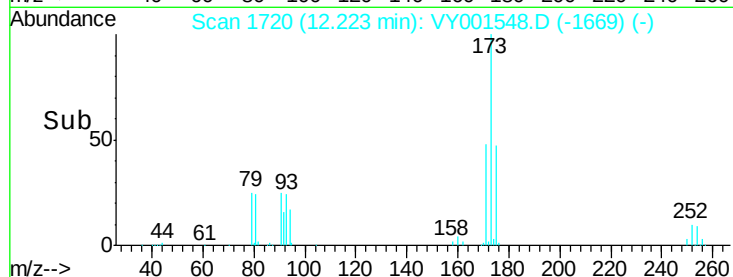
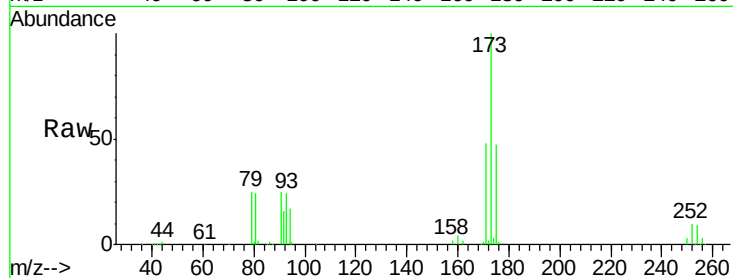
254 0.1 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

2/7/2020 4:50:56 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

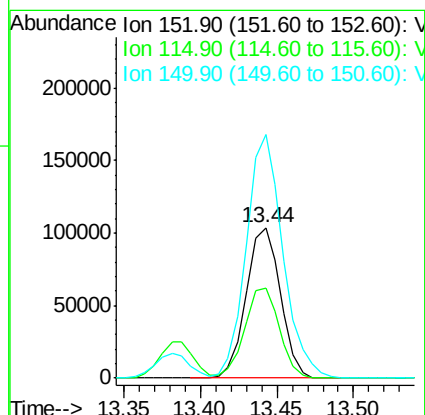
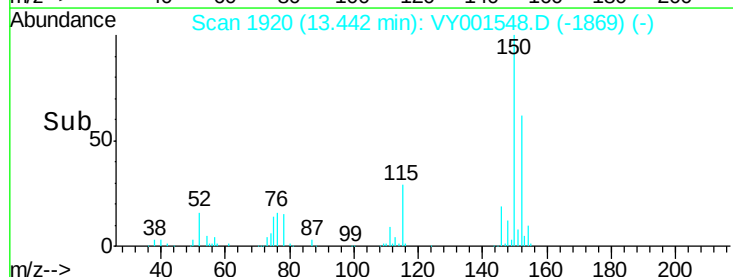
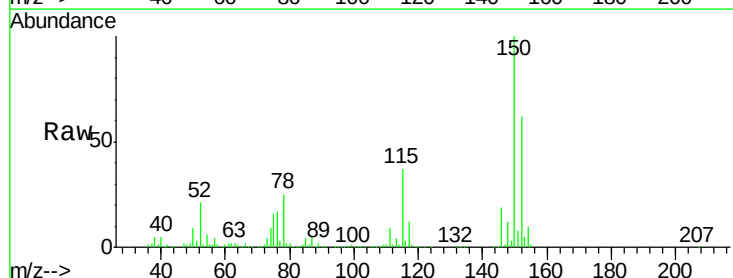
Tgt Ion:152 Resp: 161651

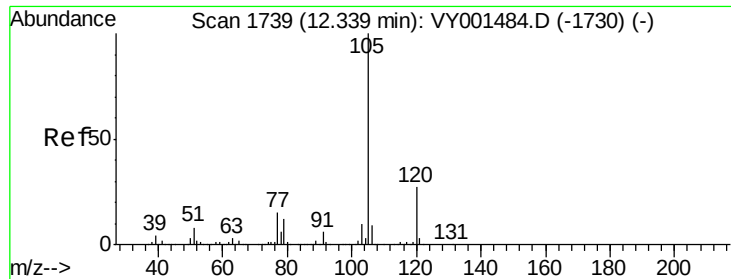
Ion Ratio Lower Upper

152 100

115 60.4 31.4 94.3

150 172.5 0.0 346.8





#73

Isopropylbenzene

Concen: 48.380 ug/l

RT: 12.34 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 596466

Ion Ratio Lower Upper

105 100

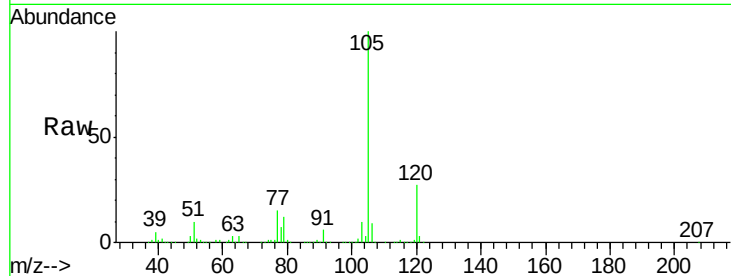
120 26.4 13.3 39.9

Manual Integrations

APPROVED

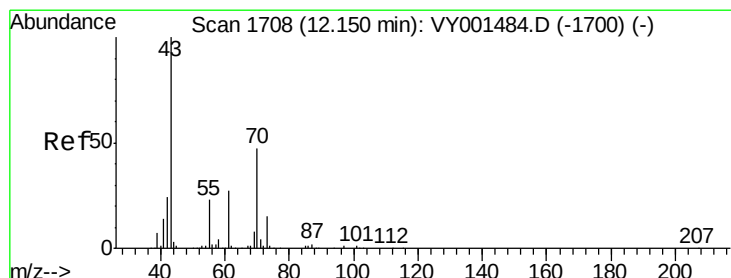
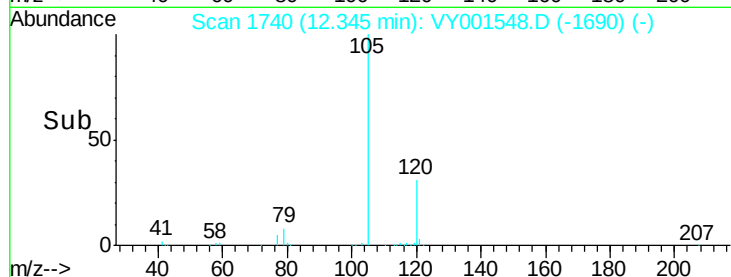
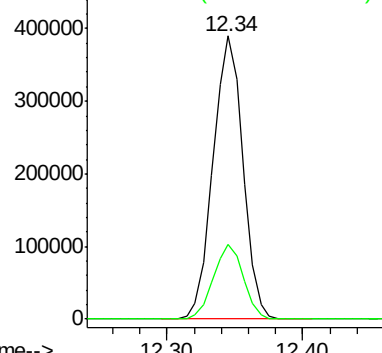
MMDadoda

2/7/2020 4:50:56 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 64.532 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Tgt Ion: 43 Resp: 206742

Ion Ratio Lower Upper

43 100

70 42.6 37.2 55.8

55 22.7 18.8 28.2

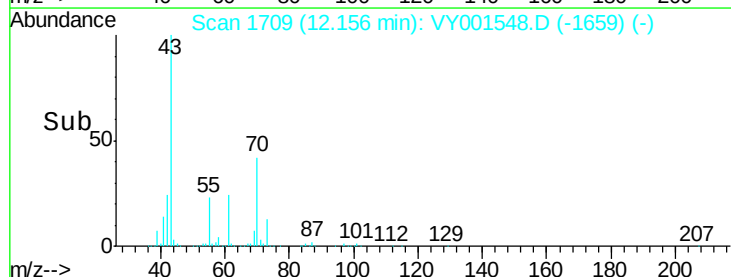
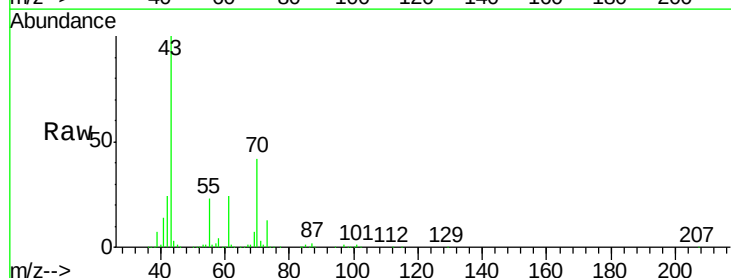
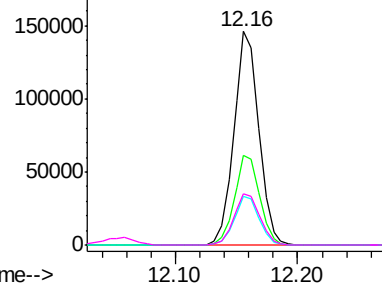
61 24.9 21.4 32.2

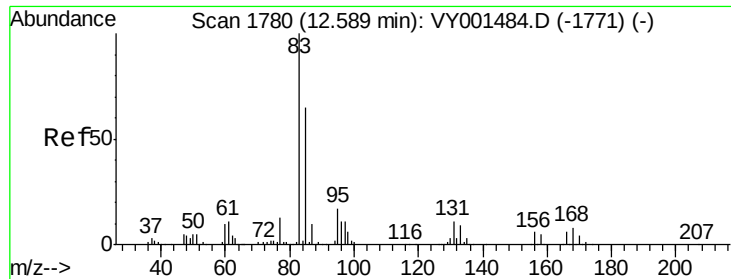
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 57.880 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Instrument :

MSVOA\_Y

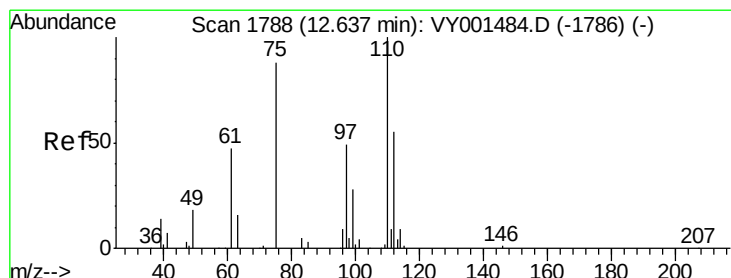
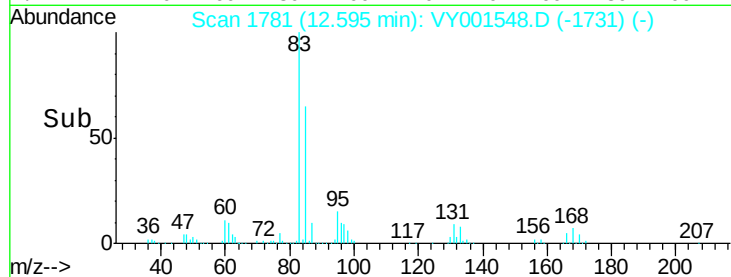
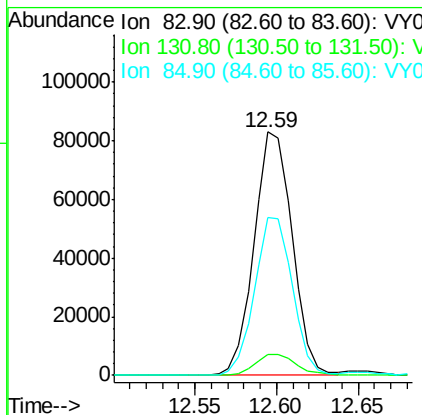
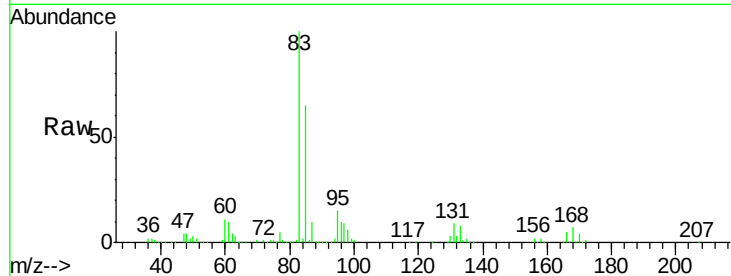
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 135578 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.4   | 5.4   | 16.2   |
| 85        | 64.1  | 32.0  | 96.0   |

Manual Integrations  
APPROVED

MMDadoda  
2/7/2020 4:50:56 PM



#76

1,2,3-Trichloropropane

Concen: 50.800 ug/l m

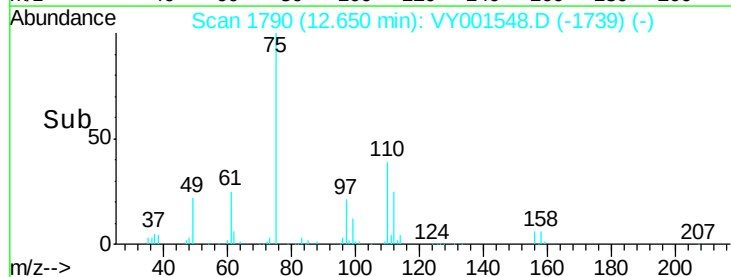
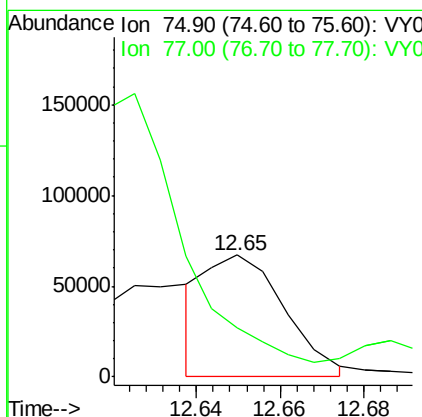
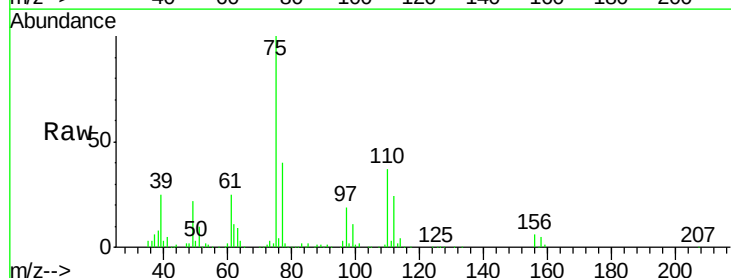
RT: 12.65 min Scan# 1790

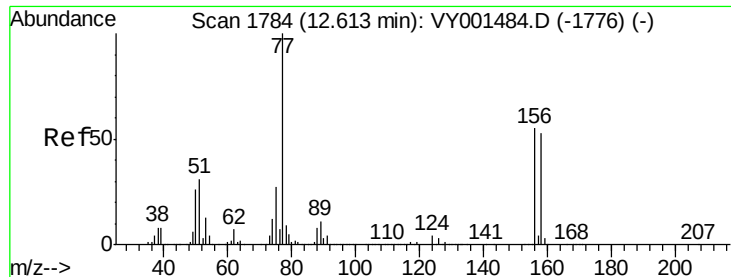
Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 88310 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 50.092 ug/l

RT: 12.63 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Instrument :

MSVOA\_Y

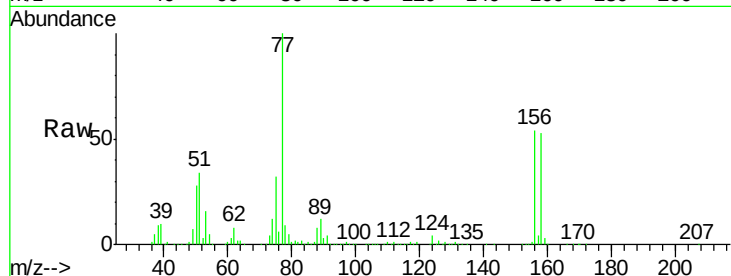
ClientSampleId :

VSTDCCC050EC

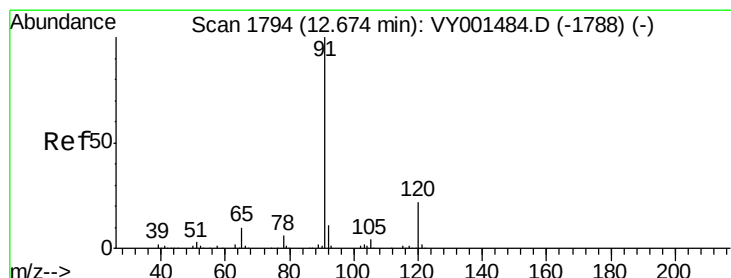
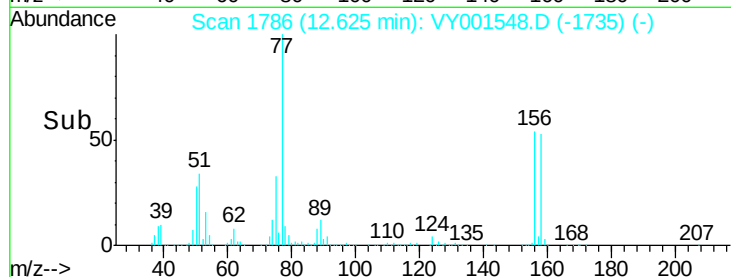
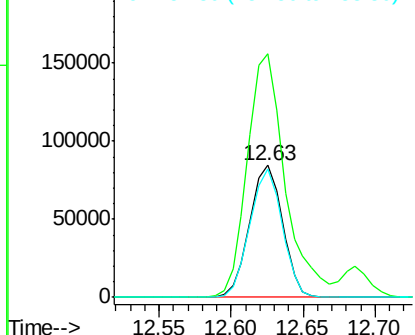
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 133650 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 212.2 | 99.8  | 299.3  |
| 158       | 95.5  | 47.5  | 142.6  |

Manual Integrations  
APPROVED

MMDadoda  
2/7/2020 4:50:56 PM



Abundance Ion 155.80 (155.50 to 156.50): V  
Ion 77.00 (76.70 to 77.70): VY0  
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.196 ug/l

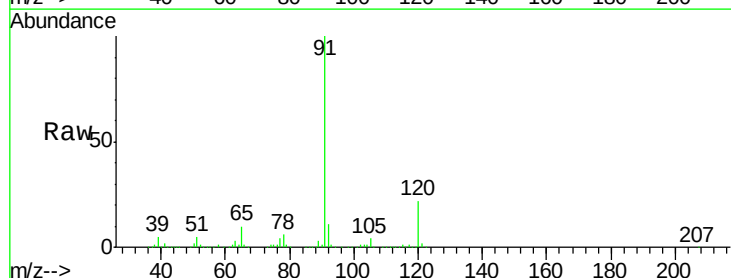
RT: 12.69 min Scan# 1796

Delta R.T. 0.01 min

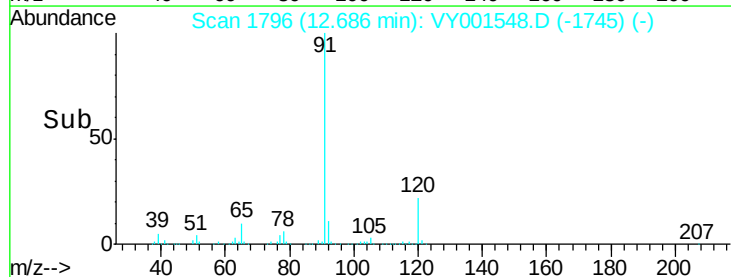
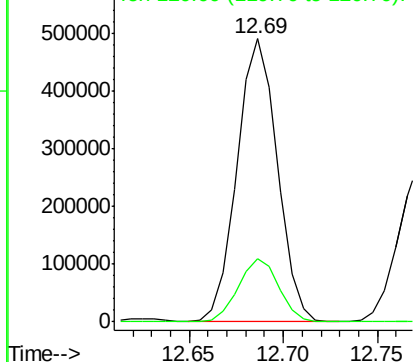
Lab File: VY001548.D

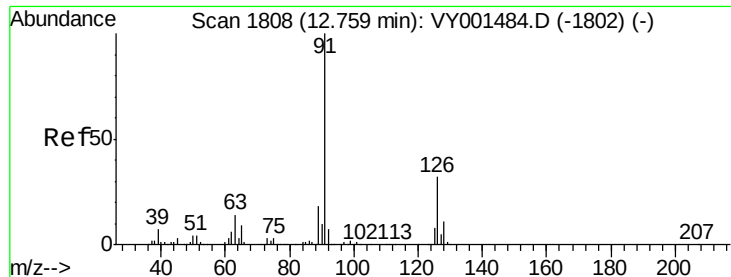
Acq: 06 Feb 2020 21:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 726117 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.6  | 11.4  | 34.2   |



Abundance Ion 91.00 (90.70 to 91.70): VY0  
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.915 ug/l

RT: 12.77 min Scan# 1810

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 411530

Ion Ratio Lower Upper

91 100

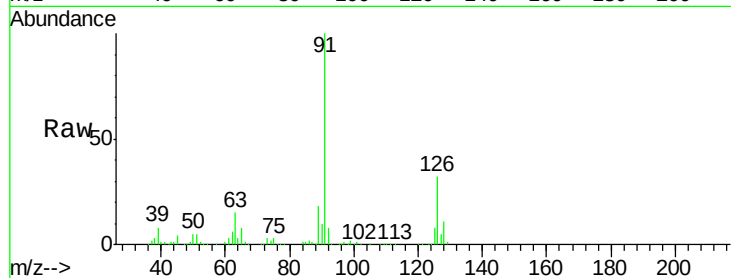
126 33.2 16.4 49.2

Manual Integrations

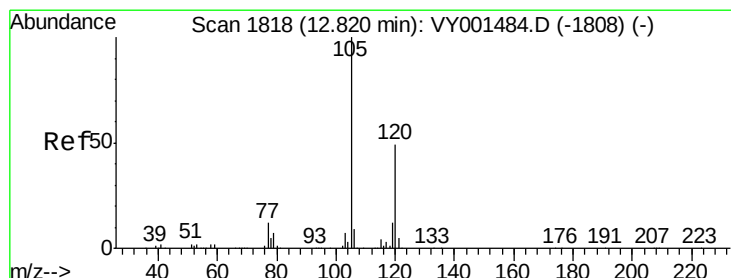
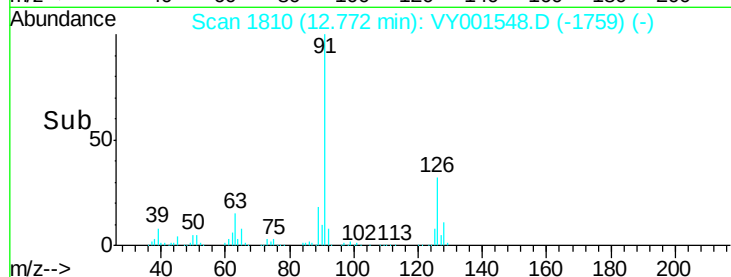
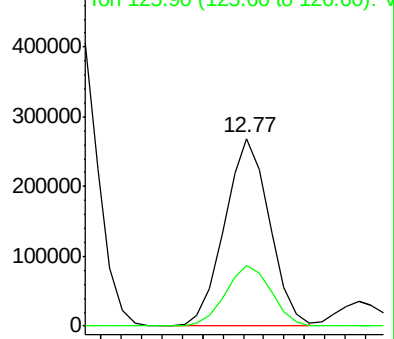
APPROVED

MMDadoda

2/7/2020 4:50:56 PM



Abundance Ion 91.00 (90.70 to 91.70): VY001548.D (-1759) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.266 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001548.D

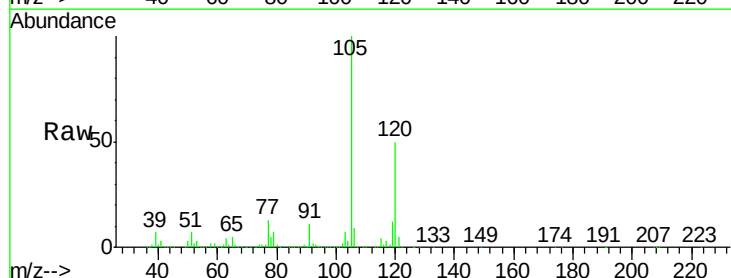
Acq: 06 Feb 2020 21:44

Tgt Ion: 105 Resp: 501149

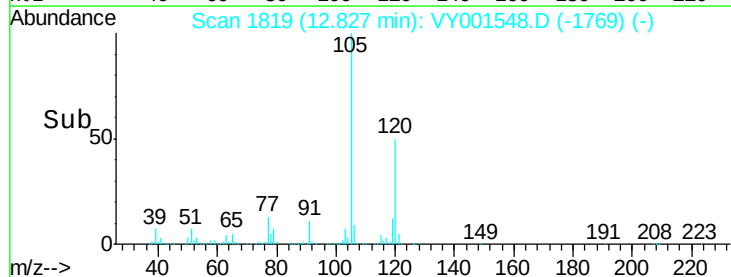
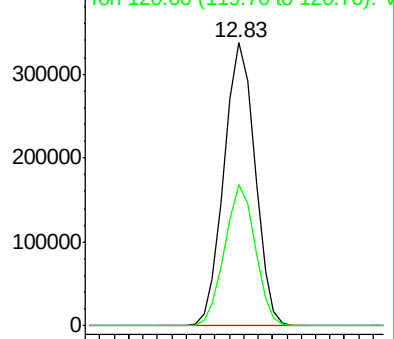
Ion Ratio Lower Upper

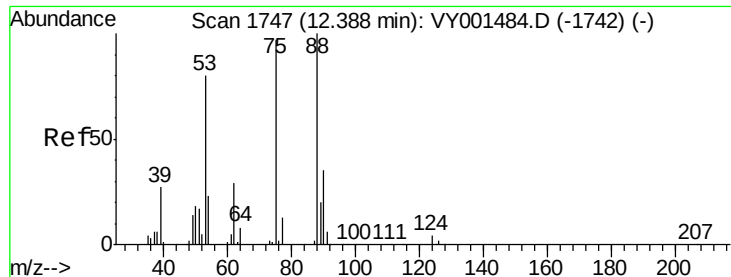
105 100

120 49.2 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VY001548.D (-1769) (-)





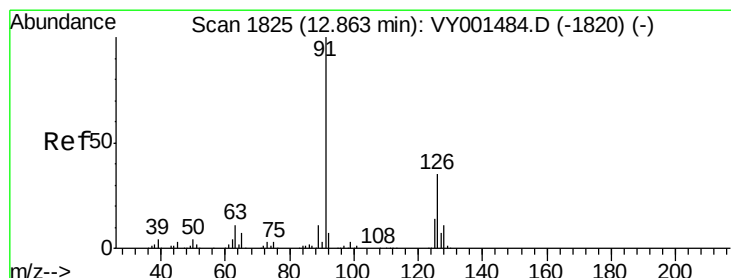
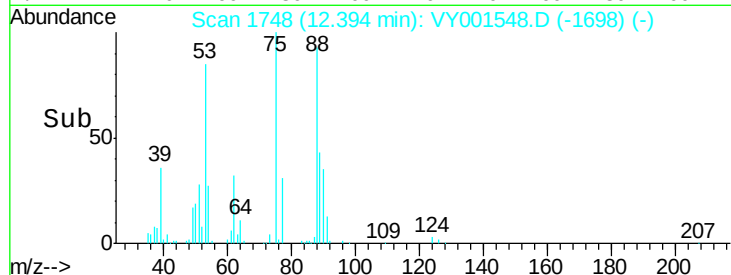
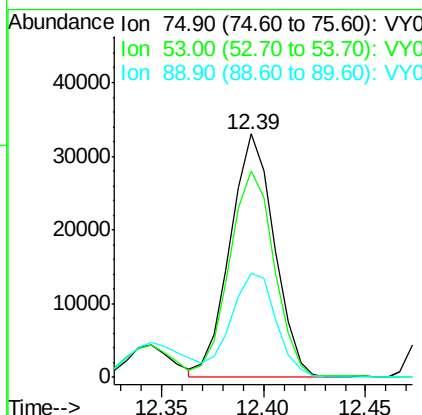
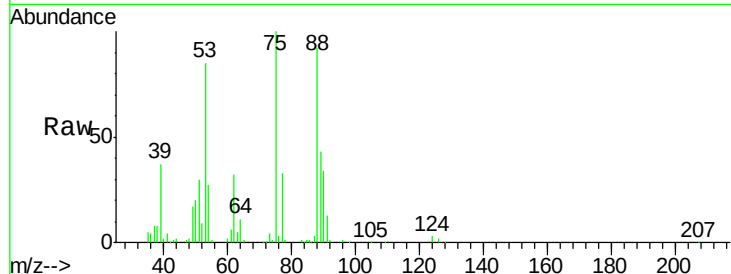
#81  
trans-1,4-Dichloro-2-butene  
Concen: 54.724 ug/l  
RT: 12.39 min Scan# 1748  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 86.1  | 67.7  | 101.5 |
| 89      | 44.3  | 34.6  | 52.0  |

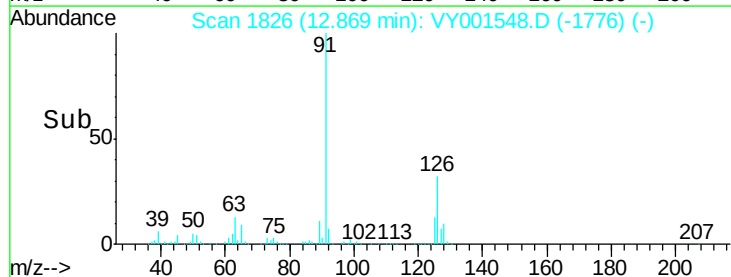
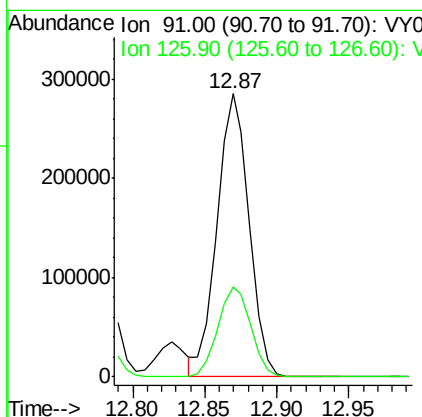
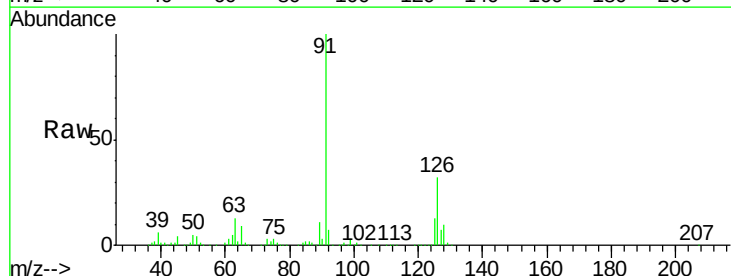
Manual Integrations  
APPROVED

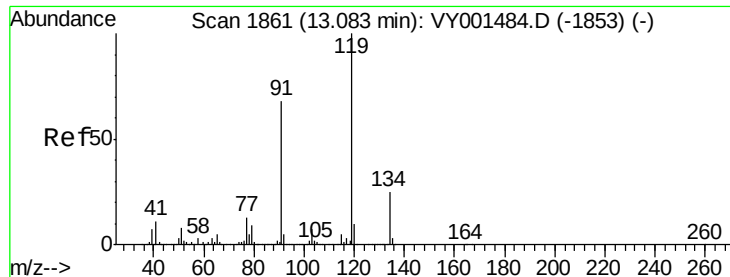
MMDadoda  
2/7/2020 4:50:56 PM



#82  
4-Chlorotoluene  
Concen: 50.241 ug/l  
RT: 12.87 min Scan# 1826  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.6  | 16.5  | 49.5  |





#83

tert-Butylbenzene

Concen: 47.485 ug/l

RT: 13.09 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Instrument :

MSVOA\_Y

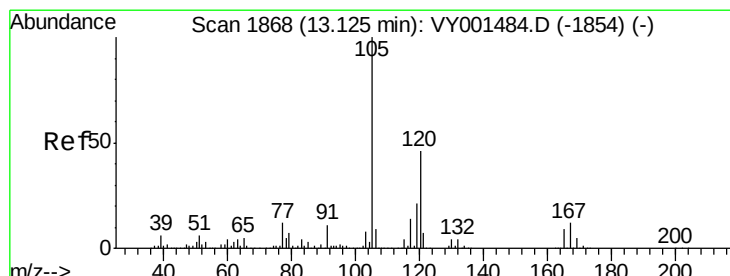
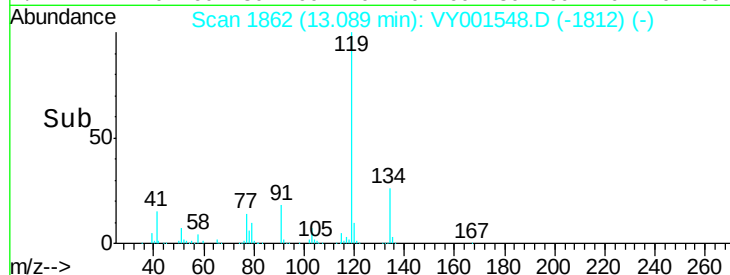
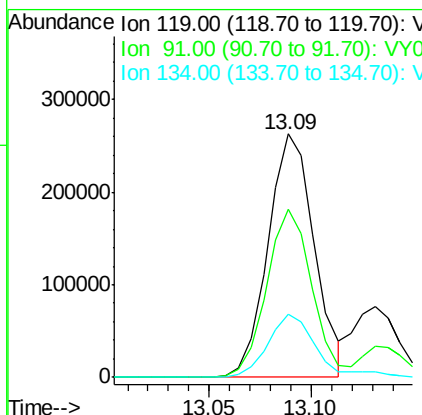
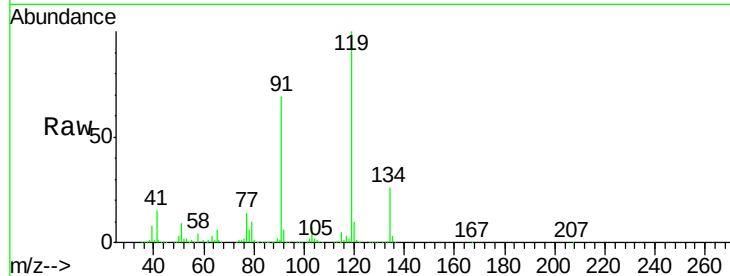
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 416750 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 67.6  | 33.1  | 99.3   |
| 134       | 27.2  | 13.0  | 39.0   |

Manual Integrations  
APPROVED

MMDadoda  
2/7/2020 4:50:56 PM



#84

1,2,4-Trimethylbenzene

Concen: 49.366 ug/l

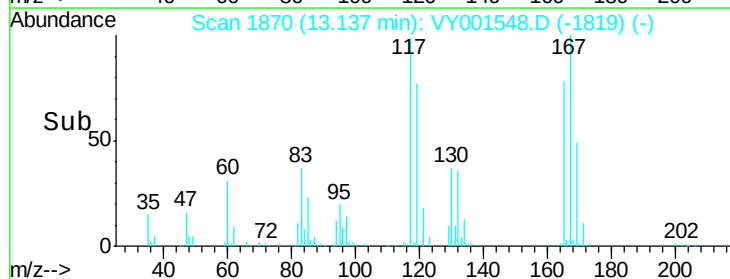
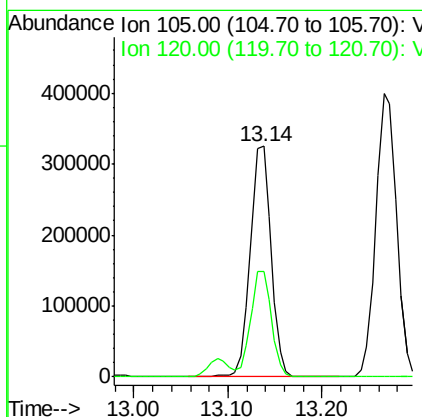
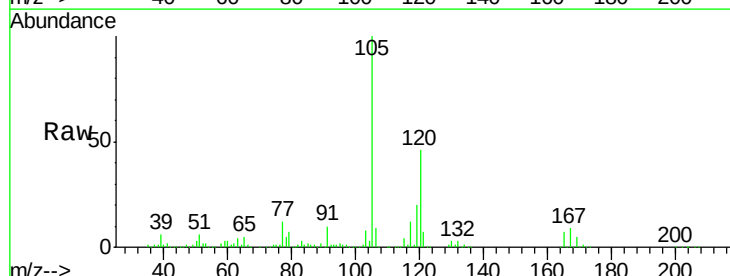
RT: 13.14 min Scan# 1870

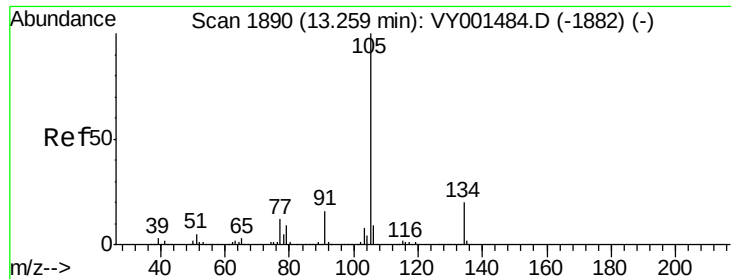
Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 507308 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 45.6  | 22.4  | 67.0   |





#85

sec-Butylbenzene

Concen: 49.216 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 607300

Ion Ratio Lower Upper

105 100

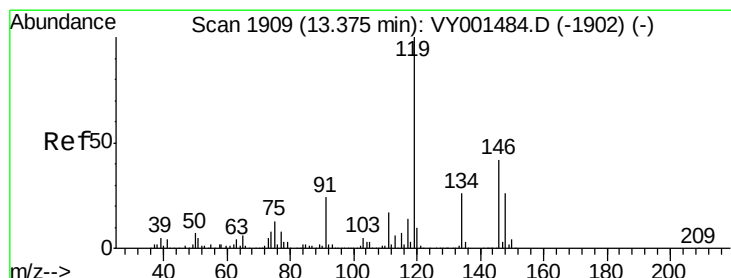
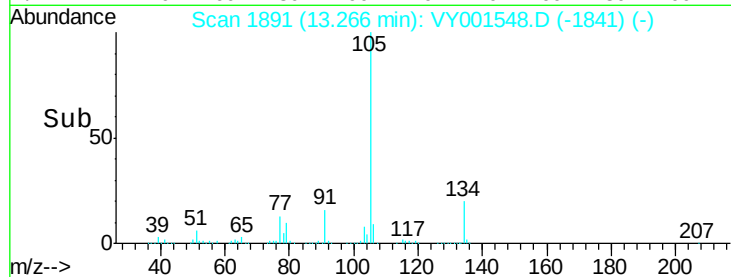
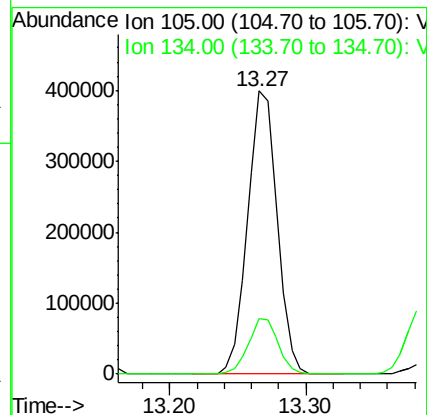
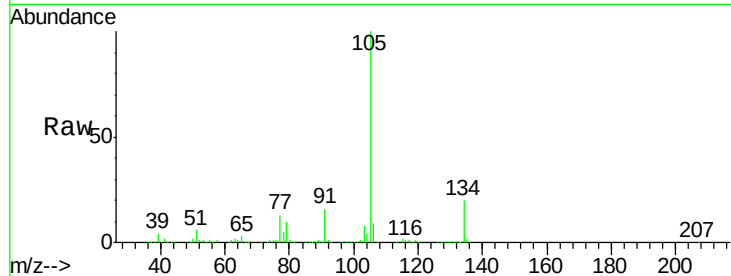
134 19.8 10.0 29.8

Manual Integrations

APPROVED

MMDadoda

2/7/2020 4:50:56 PM



#86

p-Isopropyltoluene

Concen: 48.728 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

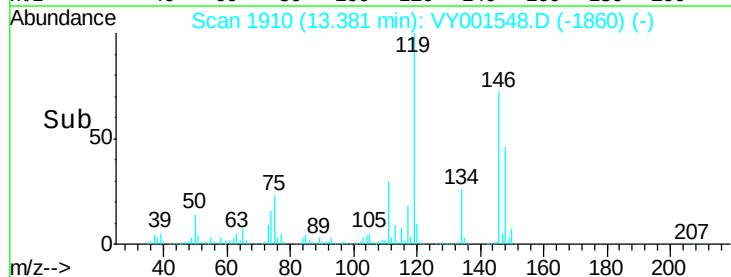
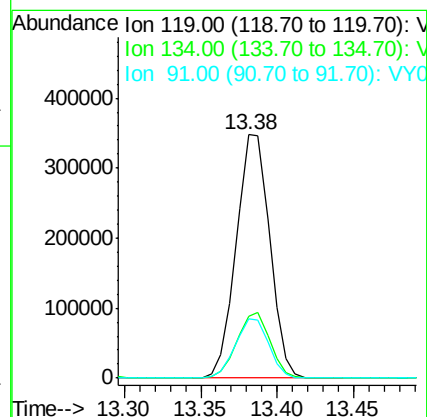
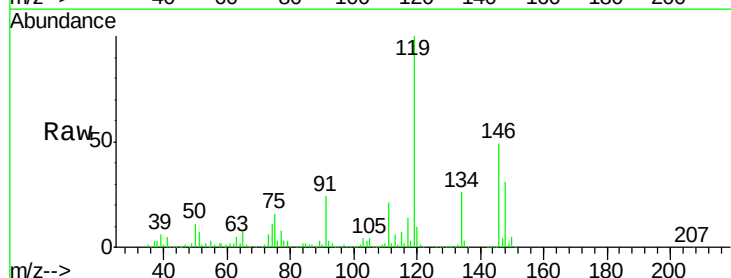
Tgt Ion:119 Resp: 529858

Ion Ratio Lower Upper

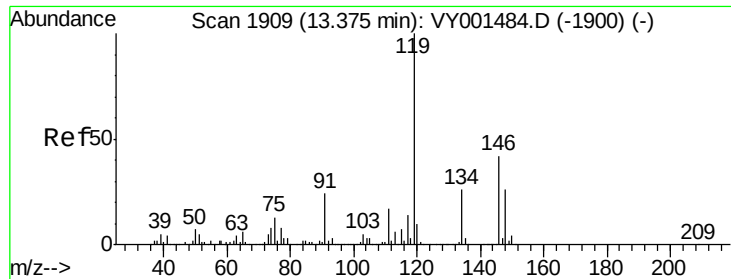
119 100

134 26.6 13.3 39.8

91 24.3 12.2 36.6







#87

1,3-Dichlorobenzene

Concen: 50.521 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

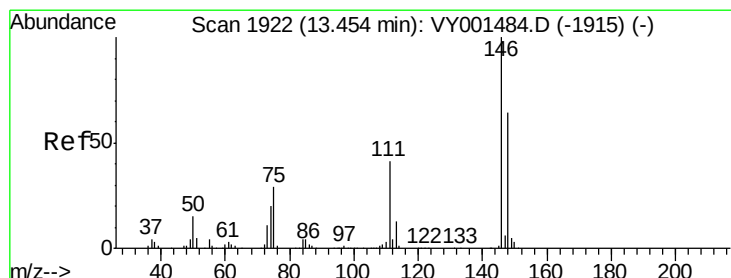
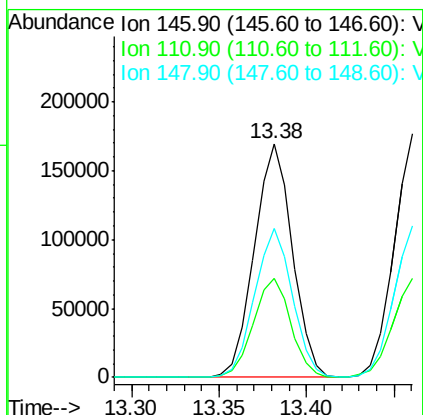
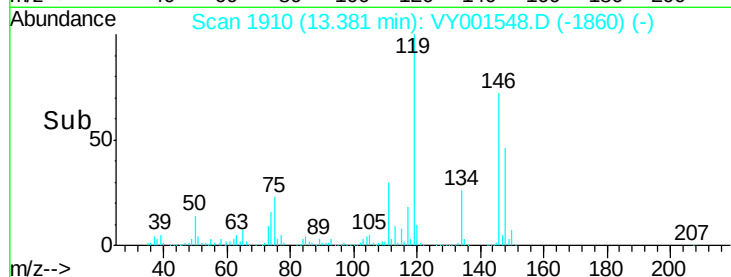
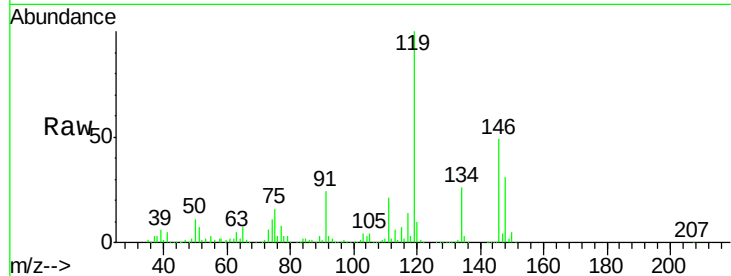
Instrument :  
MSVOA\_Y

ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.7  | 21.3  | 63.9  |
| 148     | 63.3  | 31.9  | 95.7  |

Manual Integrations  
APPROVED

MMDadoda  
2/7/2020 4:50:56 PM



#88

1,4-Dichlorobenzene

Concen: 51.030 ug/l

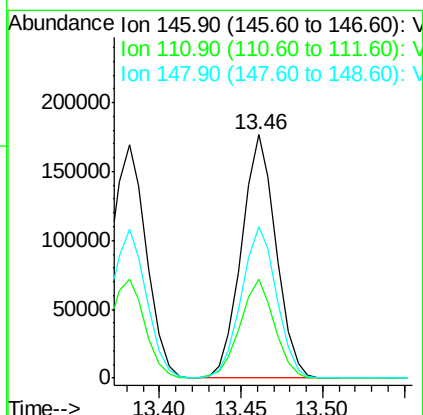
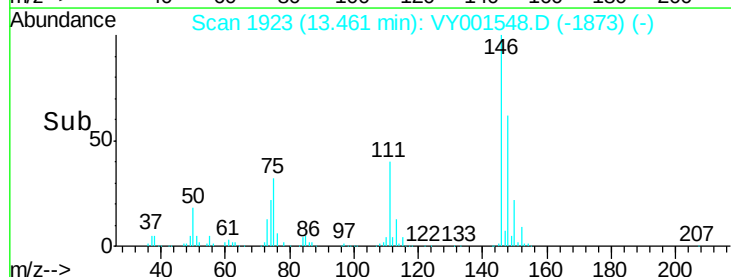
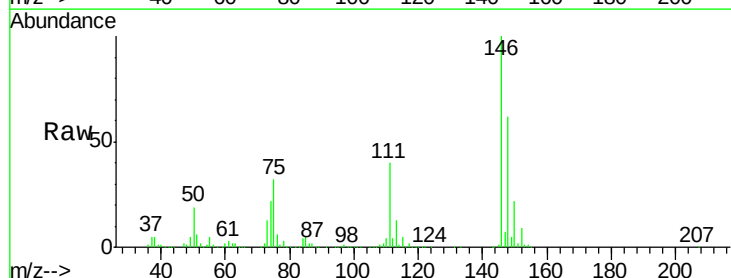
RT: 13.46 min Scan# 1923

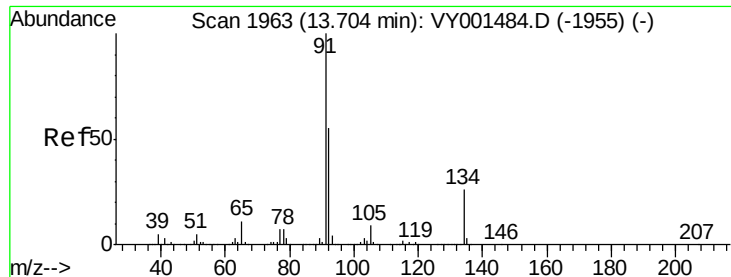
Delta R.T. 0.01 min

Lab File: VY001548.D

Acq: 06 Feb 2020 21:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.4  | 20.7  | 62.1  |
| 148     | 63.4  | 32.1  | 96.5  |





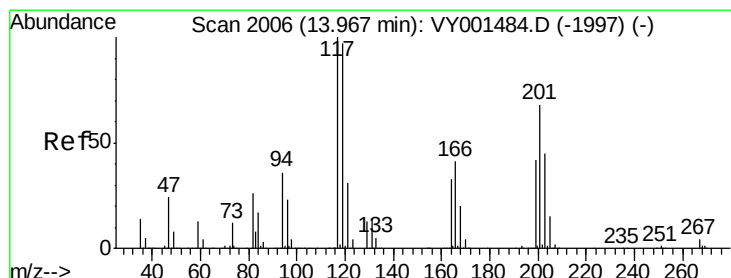
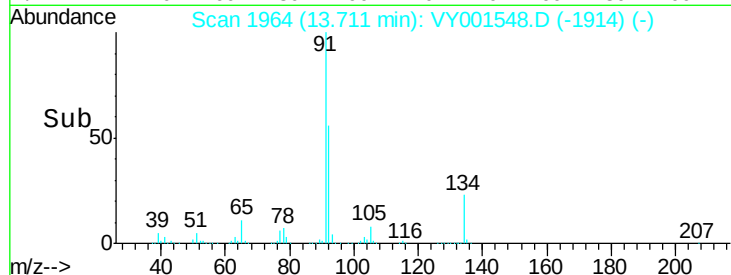
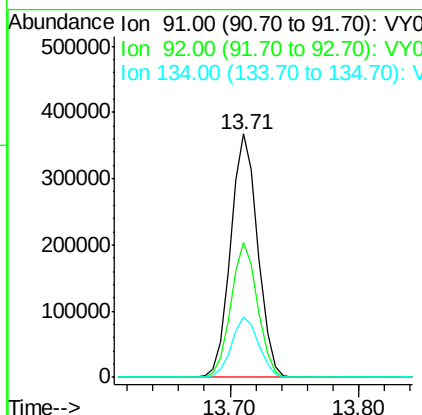
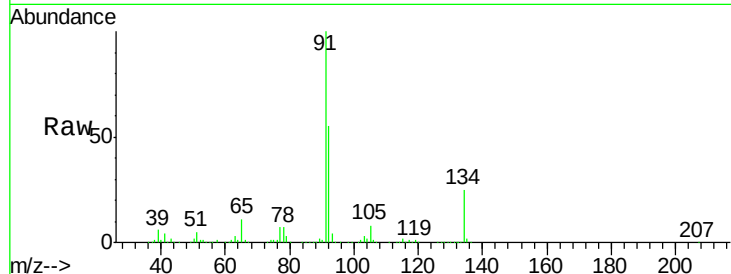
#89  
n-Butylbenzene  
Concen: 50.170 ug/l  
RT: 13.71 min Scan# 1964  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.3  | 27.3  | 81.9  |
| 134     | 24.8  | 13.0  | 38.9  |

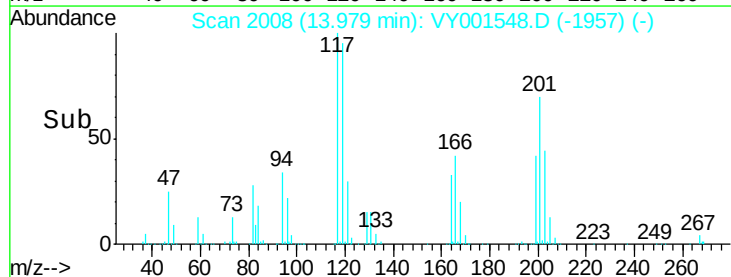
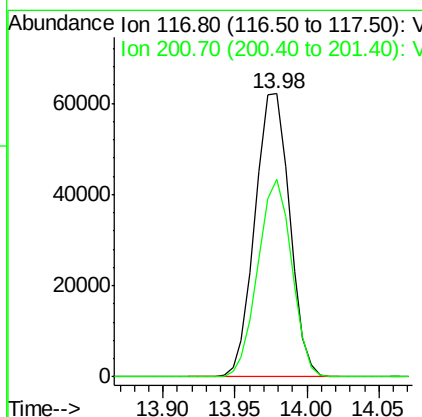
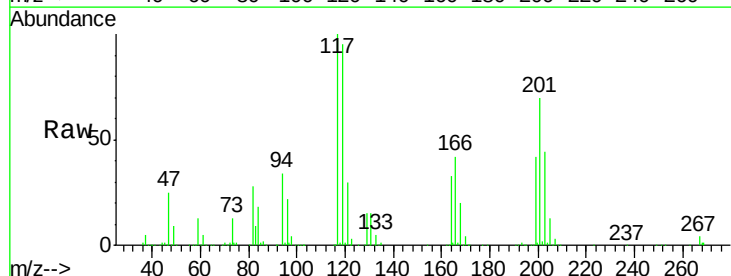
Manual Integrations  
APPROVED

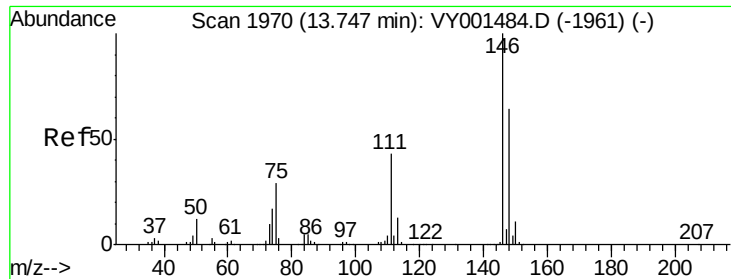
MMDadoda  
2/7/2020 4:50:56 PM



#90  
Hexachloroethane  
Concen: 49.617 ug/l  
RT: 13.98 min Scan# 2008  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 68.2  | 34.1  | 102.3 |





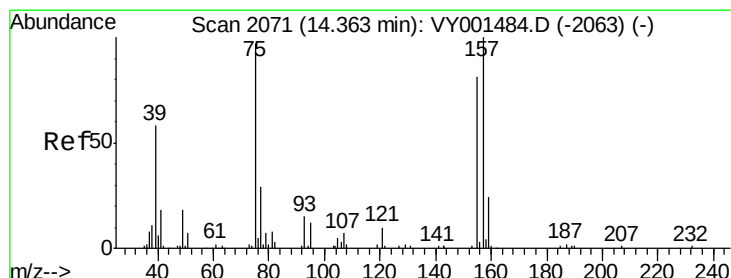
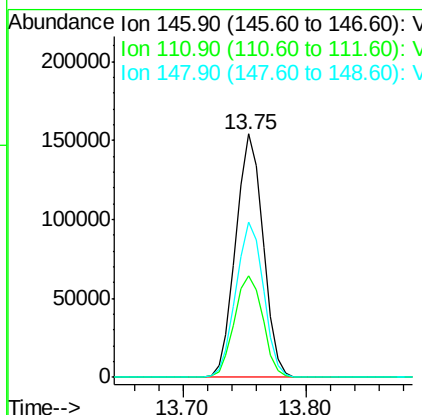
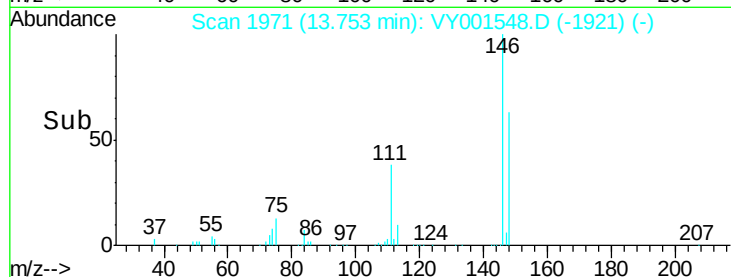
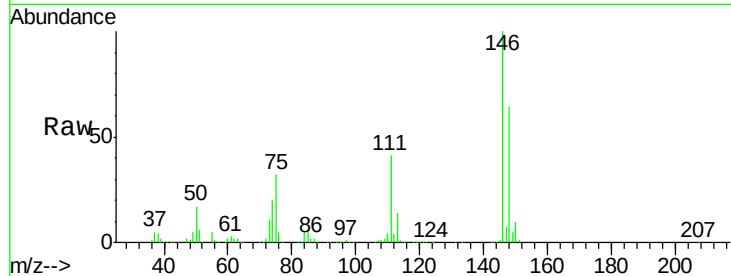
#91  
 1,2-Dichlorobenzene  
 Concen: 51.609 ug/l  
 RT: 13.75 min Scan# 1971  
 Delta R.T. 0.01 min  
 Lab File: VY001548.D  
 Acq: 06 Feb 2020 21:44

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.1  | 21.9  | 65.8  |
| 148     | 64.4  | 31.8  | 95.3  |

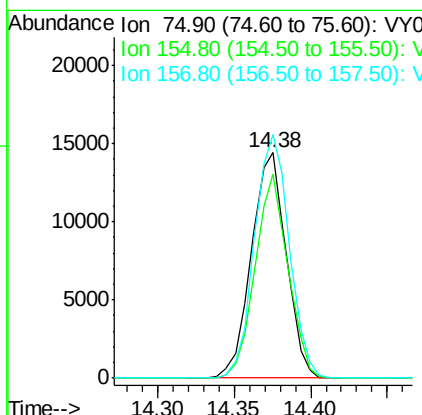
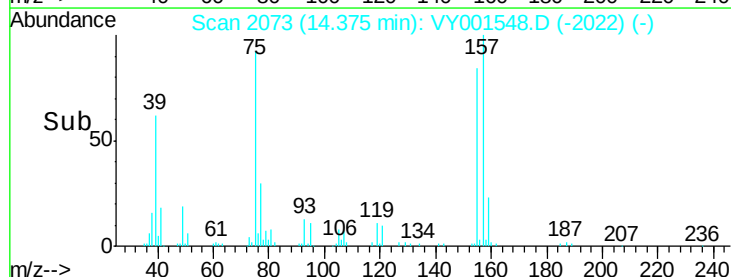
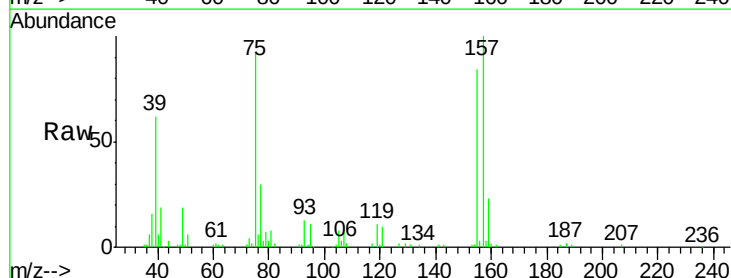
Manual Integrations  
 APPROVED

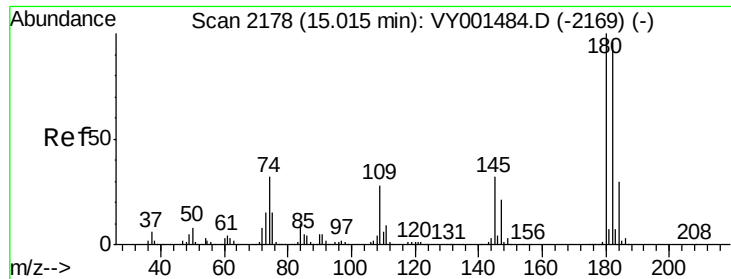
MMDadoda  
 2/7/2020 4:50:56 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 52.960 ug/l  
 RT: 14.38 min Scan# 2073  
 Delta R.T. 0.01 min  
 Lab File: VY001548.D  
 Acq: 06 Feb 2020 21:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 85.2  | 40.7  | 122.1 |
| 157     | 107.4 | 52.3  | 157.1 |





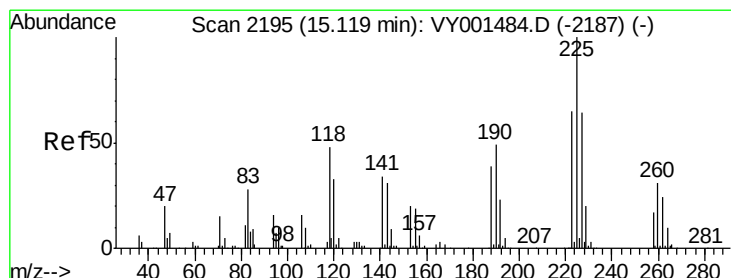
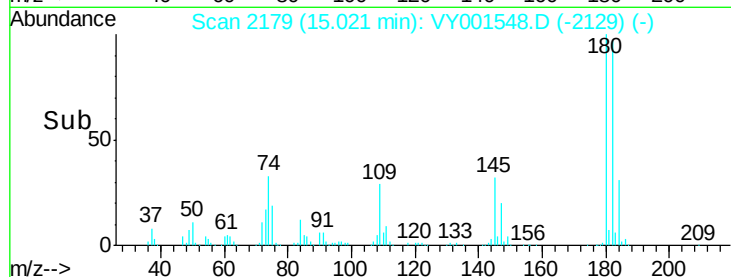
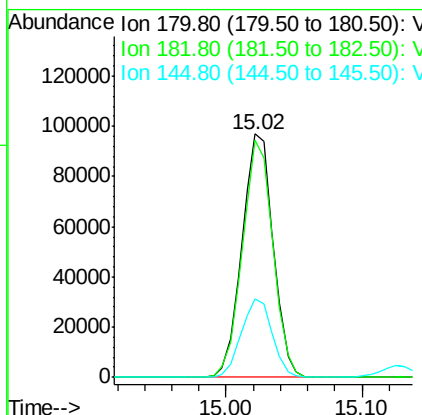
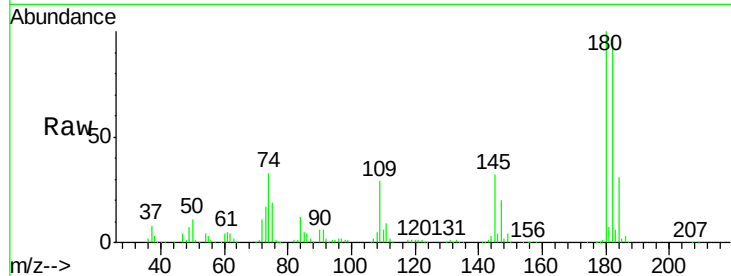
#93  
 1,2,4-Trichlorobenzene  
 Concen: 49.756 ug/l  
 RT: 15.02 min Scan# 2179  
 Delta R.T. 0.01 min  
 Lab File: VY001548.D  
 Acq: 06 Feb 2020 21:44

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 46.9  | 140.7 |
| 145     | 32.0  | 16.8  | 50.3  |

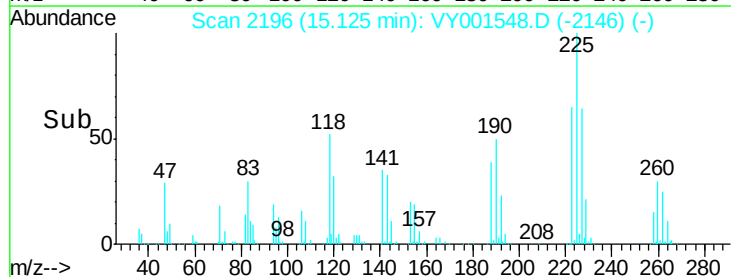
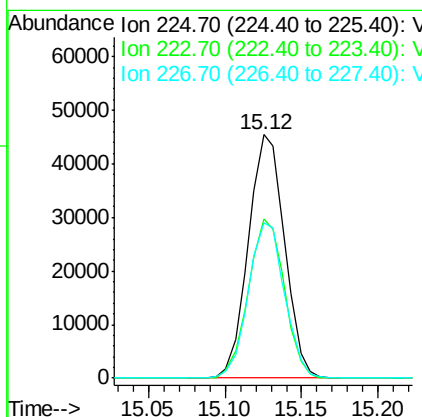
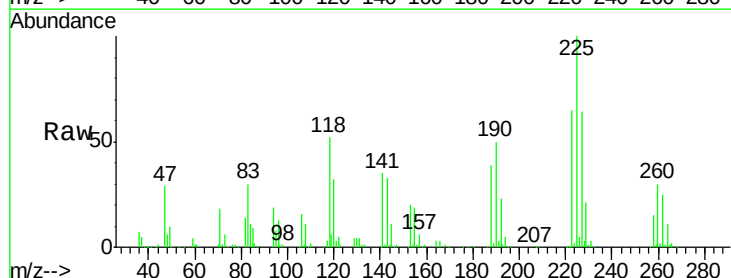
Manual Integrations  
 APPROVED

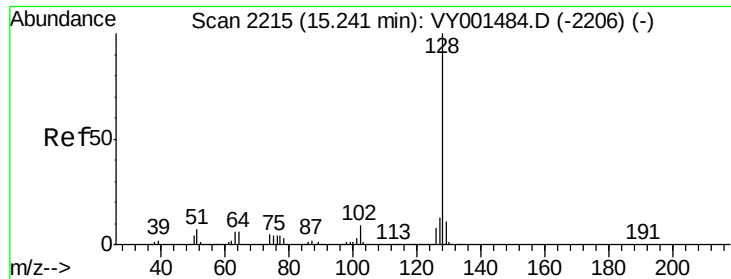
MMDadoda  
 2/7/2020 4:50:56 PM



#94  
 Hexachlorobutadiene  
 Concen: 47.189 ug/l  
 RT: 15.12 min Scan# 2196  
 Delta R.T. 0.01 min  
 Lab File: VY001548.D  
 Acq: 06 Feb 2020 21:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 65.0  | 31.9  | 95.7  |
| 227     | 63.8  | 32.6  | 97.7  |





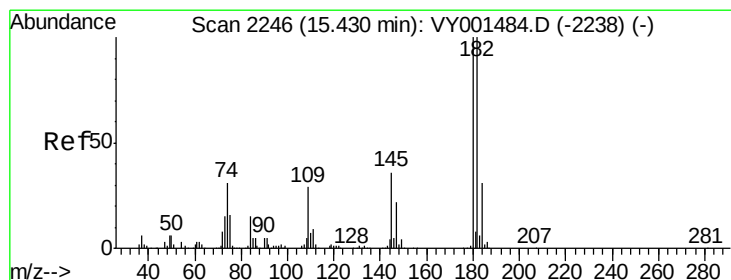
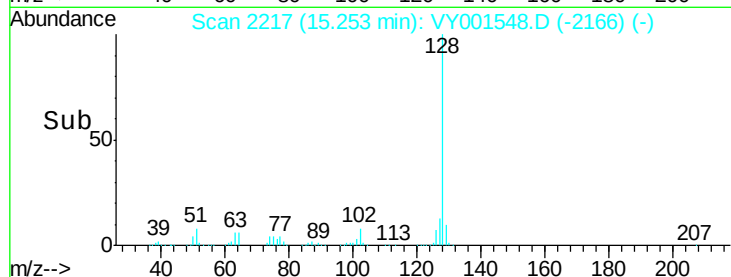
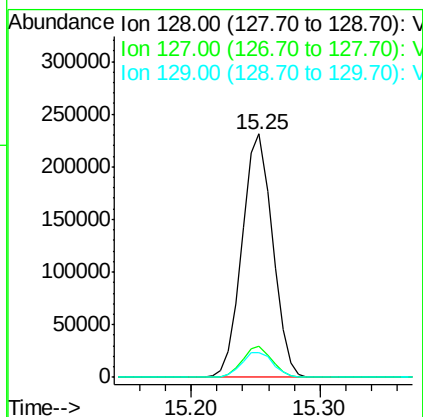
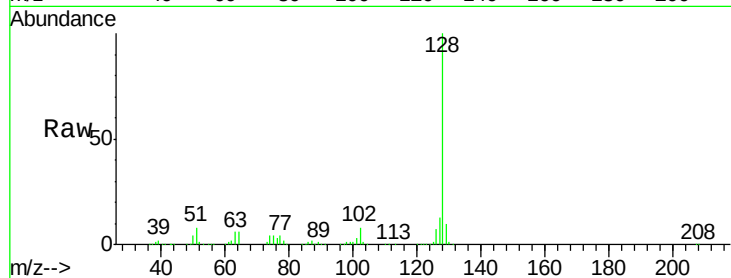
#95  
Naphthalene  
Concen: 51.465 ug/l  
RT: 15.25 min Scan# 2217  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.4  | 10.1  | 15.1  |
| 129     | 10.8  | 8.9   | 13.3  |

Manual Integrations  
APPROVED

MMDadoda  
2/7/2020 4:50:56 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 51.237 ug/l  
RT: 15.44 min Scan# 2248  
Delta R.T. 0.01 min  
Lab File: VY001548.D  
Acq: 06 Feb 2020 21:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.8  | 48.0  | 144.2 |
| 145     | 34.0  | 17.8  | 53.5  |

