

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY073120\  
 Data File : VY003384.D  
 Acq On : 31 Jul 2020 12:30  
 Operator : SY/MD  
 Sample : VSTDICC100  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

MMDadoda  
 8/3/2020 12:37:29 PM

Quant Time: Jul 31 12:47:07 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y073120S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 31 12:21:51 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 519820   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 759590   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 707018   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 370638   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.14   | 65  | 497199   | 108.77 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 217.54% |      |
| 35) Dibromofluoromethane  | 7.72   | 113 | 458218   | 102.48 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 204.96% |      |
| 50) Toluene-d8            | 10.18  | 98  | 1787200  | 106.10 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 212.20% |      |
| 62) 4-Bromofluorobenzene  | 12.48  | 95  | 608298   | 100.70 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 201.40% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.90 | 85  | 381311  | 98.175  | ug/l | 100    |
| 3) Chloromethane              | 2.12 | 50  | 503070  | 94.567  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.26 | 62  | 546071  | 100.010 | ug/l | 100    |
| 5) Bromomethane               | 2.64 | 94  | 395820  | 97.823  | ug/l | 97     |
| 6) Chloroethane               | 2.79 | 64  | 350062  | 98.349  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 3.13 | 101 | 741324  | 95.834  | ug/l | 99     |
| 8) Diethyl Ether              | 3.53 | 74  | 262665  | 100.792 | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.90 | 101 | 440943  | 94.597  | ug/l | 100    |
| 10) Methyl Iodide             | 4.10 | 142 | 577216  | 112.700 | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.97 | 59  | 240372  | 499.144 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.88 | 96  | 435192  | 98.091  | ug/l | 95     |
| 13) Acrolein                  | 3.73 | 56  | 251126  | 579.642 | ug/l | 100    |
| 14) Allyl chloride            | 4.49 | 41  | 740377  | 110.614 | ug/l | 99     |
| 15) Acrylonitrile             | 5.17 | 53  | 682246  | 544.734 | ug/l | 99     |
| 16) Acetone                   | 3.95 | 43  | 630317  | 612.368 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.20 | 76  | 1410095 | 102.722 | ug/l | 100    |
| 18) Methyl Acetate            | 4.49 | 43  | 310546  | 110.608 | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.23 | 73  | 1260900 | 102.264 | ug/l | 100    |
| 20) Methylene Chloride        | 4.72 | 84  | 541865  | 89.201  | ug/l | 94     |
| 21) trans-1,2-Dichloroethene  | 5.22 | 96  | 493669  | 99.055  | ug/l | 97     |
| 22) Diisopropyl ether         | 6.13 | 45  | 1566721 | 106.668 | ug/l | 99     |
| 23) Vinyl Acetate             | 6.07 | 43  | 5331133 | 545.761 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.02 | 63  | 871355  | 102.874 | ug/l | 100    |
| 25) 2-Butanone                | 6.99 | 43  | 951528  | 571.687 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.99 | 77  | 762098  | 99.974  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.99 | 96  | 548962  | 99.914  | ug/l | 100    |
| 28) Bromochloromethane        | 7.34 | 49  | 331200  | 93.041  | ug/l | 97     |
| 29) Tetrahydrofuran           | 7.35 | 42  | 615523  | 554.278 | ug/l | 99     |
| 30) Chloroform                | 7.52 | 83  | 863818  | 99.454  | ug/l | 98     |
| 31) Cyclohexane               | 7.79 | 56  | 791441  | 96.738  | ug/l | 95     |
| 32) 1,1,1-Trichloroethane     | 7.71 | 97  | 790110  | 100.748 | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.93 | 75  | 697391  | 99.388  | ug/l | 100    |
| 37) Ethyl Acetate             | 7.08 | 43  | 413082  | 108.976 | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.91 | 117 | 731803  | 101.285 | ug/l | 99     |

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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

MMDadoda  
 8/3/2020 12:37:29 PM

Quant Time: Jul 31 12:47:07 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y073120S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 31 12:21:51 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.18  | 83   | 861653   | 98.131   | ug/l   | 98       |
| 40) Benzene                    | 8.16  | 78   | 1943288  | 100.530  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.33  | 41   | 220626m  | 96.144   | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.24  | 62   | 591458   | 99.706   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.28  | 43   | 782068   | 106.956  | ug/l   | 100      |
| 44) Trichloroethene            | 8.94  | 130  | 557043   | 94.913   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.22  | 63   | 507239   | 101.199  | ug/l   | 98       |
| 46) Dibromomethane             | 9.31  | 93   | 285821   | 98.846   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.50  | 83   | 699738   | 101.006  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.29  | 41   | 366484   | 111.931  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.30  | 88   | 78836    | 2142.851 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 10.07 | 43   | 2060735  | 541.891  | ug/l   | 100      |
| 52) Toluene                    | 10.24 | 92   | 1228045  | 99.586   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.47 | 75   | 748488   | 104.184  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.93  | 75   | 842242   | 101.692  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.64 | 97   | 402894   | 97.765   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.51 | 69   | 590289   | 105.751  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.79 | 76   | 702732   | 100.564  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.78  | 63   | 1339501  | 482.601  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.83 | 43   | 1470480  | 553.637  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.99 | 129  | 523432   | 101.239  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.09 | 107  | 396713   | 98.216   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.72 | 164  | 573598   | 90.794   | ug/l   | 99       |
| 65) Chlorobenzene              | 11.52 | 112  | 1339999  | 96.860   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.59 | 131  | 529996   | 98.561   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.59 | 91   | 2464817  | 99.515   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.70 | 106  | 1847586  | 196.819  | ug/l   | 100      |
| 69) o-Xylene                   | 12.03 | 106  | 884602   | 100.738  | ug/l   | 100      |
| 70) Styrene                    | 12.04 | 104  | 1522416  | 101.374  | ug/l   | 99       |
| 71) Bromoform                  | 12.20 | 173  | 351457   | 100.255  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.33 | 105  | 2388440  | 99.493   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.14 | 43   | 718433   | 106.375  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.58 | 83   | 465383   | 100.363  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75   | 324764m  | 98.057   | ug/l   |          |
| 77) Bromobenzene               | 12.61 | 156  | 605861   | 99.137   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.67 | 91   | 2830506  | 99.727   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.75 | 91   | 1561020  | 98.811   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.81 | 105  | 1987305  | 99.208   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 180882   | 105.845  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.85 | 91   | 1635168  | 99.178   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.07 | 119  | 1710977  | 97.178   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.12 | 105  | 1991659  | 98.756   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.25 | 105  | 2394737  | 98.515   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.37 | 119  | 2254524  | 99.338   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.36 | 146  | 1144351  | 98.810   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.44 | 146  | 1107984  | 96.591   | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.69 | 91   | 2095746  | 98.156   | ug/l   | 100      |
| 90) Hexachloroethane           | 13.96 | 117  | 427260   | 102.722  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.73 | 146  | 997969   | 98.099   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.36 | 75   | 74302    | 99.022   | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY073120\  
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Operator : SY/MD  
Sample : VSTDICC100  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

Manual Integrations  
APPROVED

MMDadoda  
8/3/2020 12:37:29 PM

Quant Time: Jul 31 12:47:07 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y073120S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 31 12:21:51 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.00 | 180  | 700388   | 96.668  | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.11 | 225  | 451672   | 91.365  | ug/l  | 100      |
| 95) Naphthalene            | 15.23 | 128  | 1241483  | 103.232 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.42 | 180  | 574807   | 99.594  | ug/l  | 99       |

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

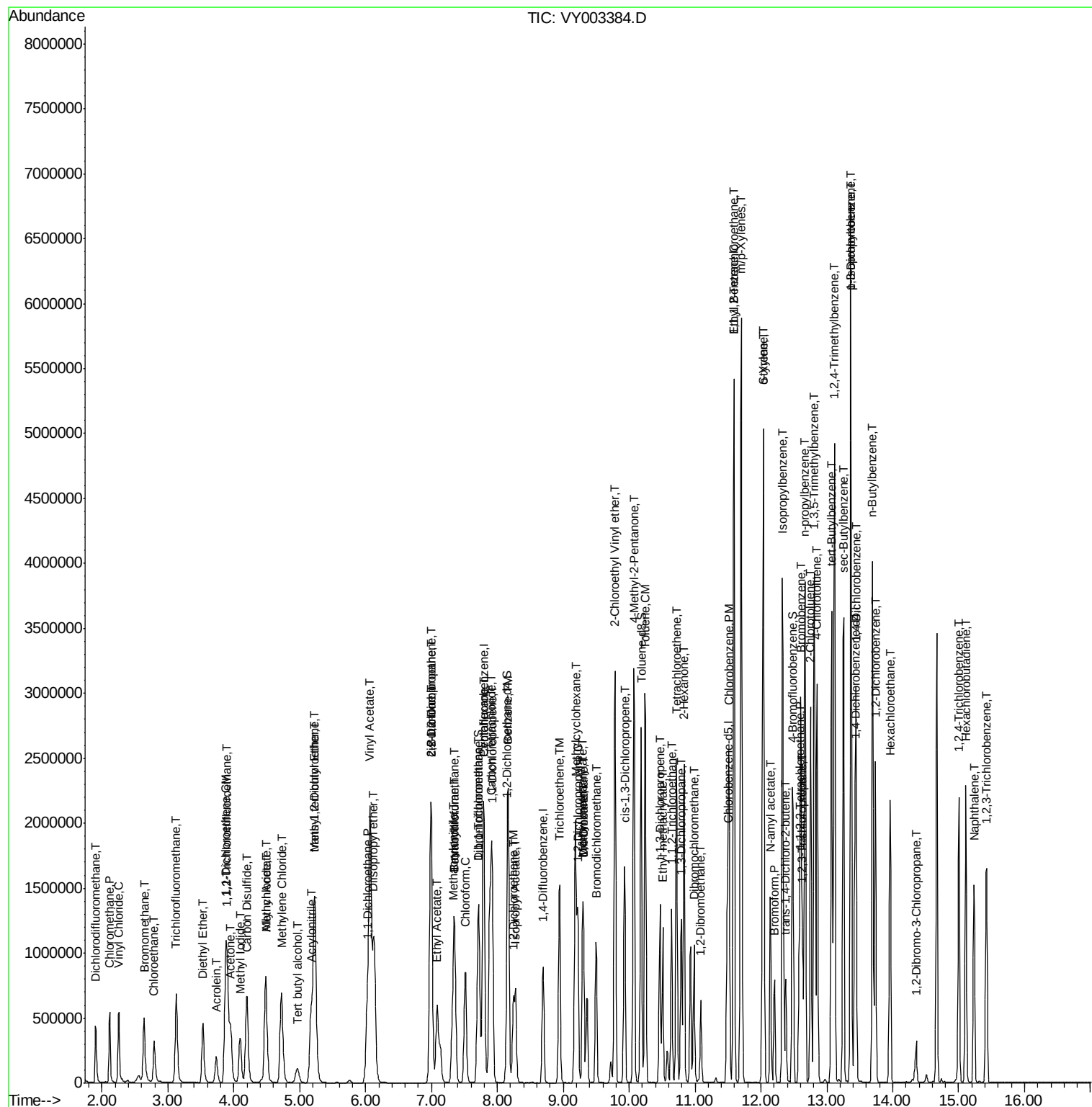
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Data File : VY003384.D  
Acq On : 31 Jul 2020 12:30  
Operator : SY/MD  
Sample : VSTDICC100  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 7 Sample Multiplier: 1

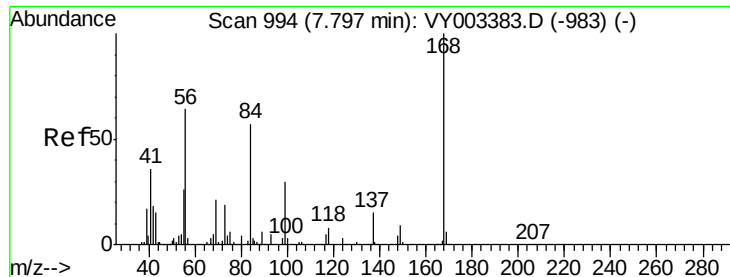
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

Manual Integrations  
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QLast Update : Fri Jul 31 12:21:51 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

Instrument :

MSVOA\_Y

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 519820

Ion Ratio Lower Upper

168 100

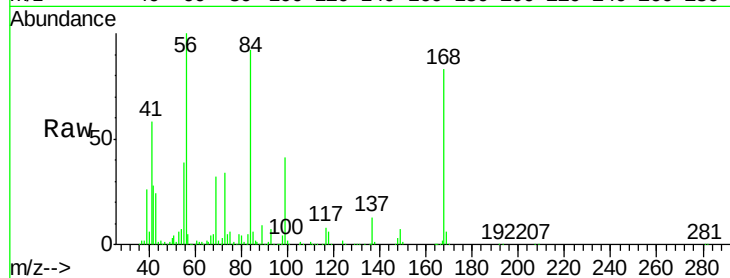
99 49.4 38.8 58.2

Manual Integrations

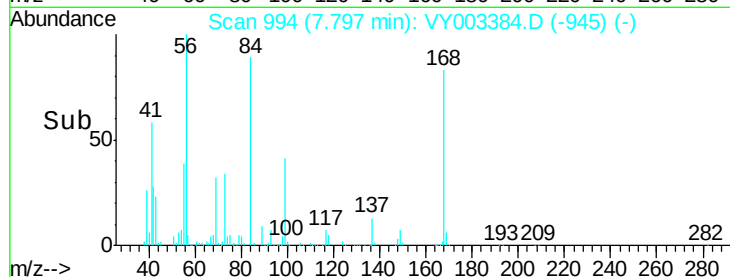
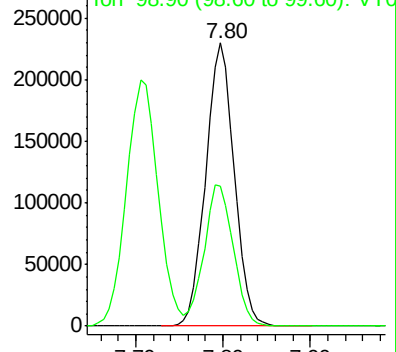
APPROVED

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8/3/2020 12:37:29 PM



Abundance Ion 167.90 (167.60 to 168.60): VY003383.D (-983) (-)



#2

Dichlorodifluoromethane

Concen: 98.175 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY003384.D

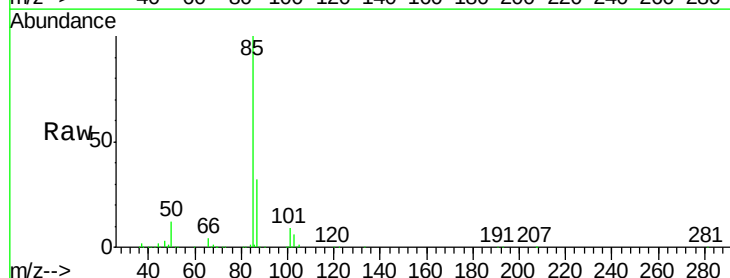
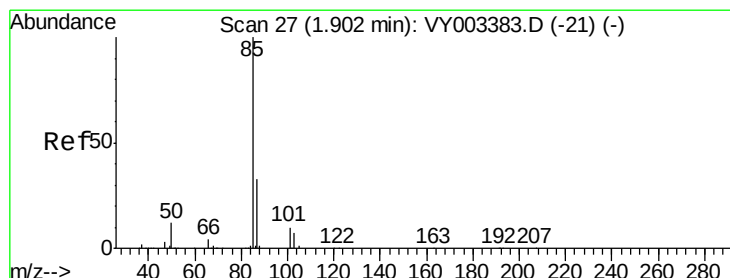
Acq: 31 Jul 2020 12:30

Tgt Ion: 85 Resp: 381311

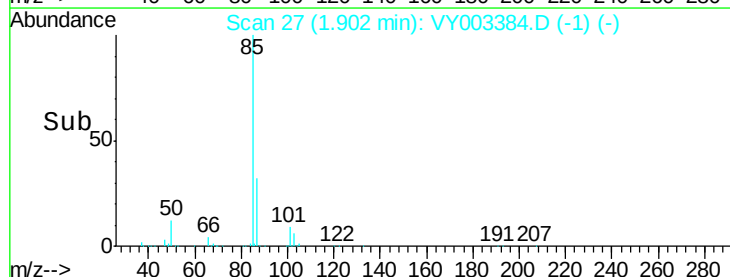
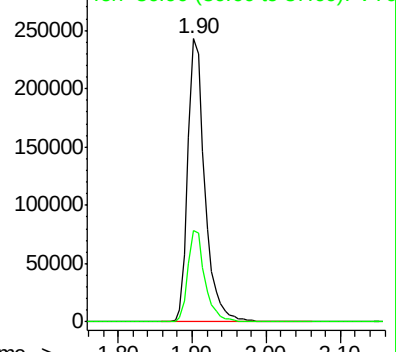
Ion Ratio Lower Upper

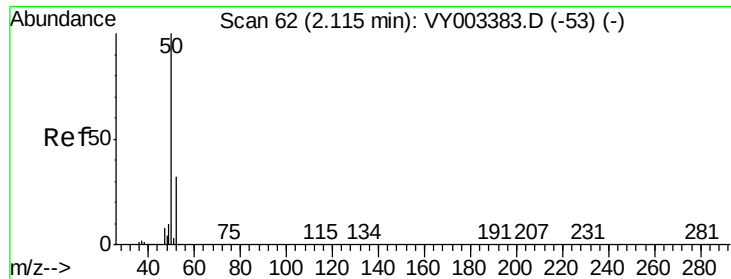
85 100

87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VY003383.D (-21) (-)





#3

Chloromethane

Concen: 94.567 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 503070

Ion Ratio Lower Upper

50 100

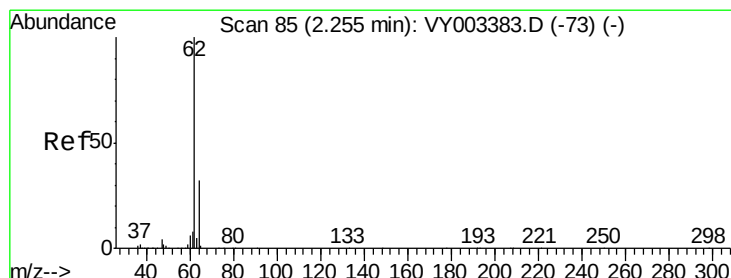
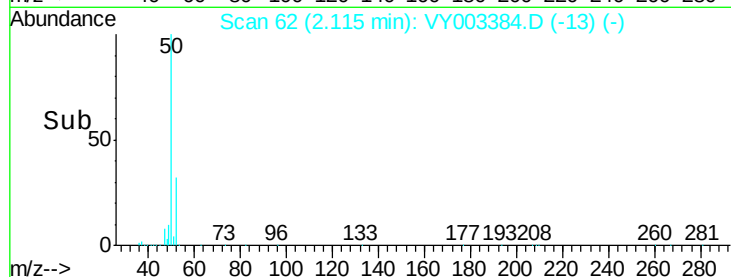
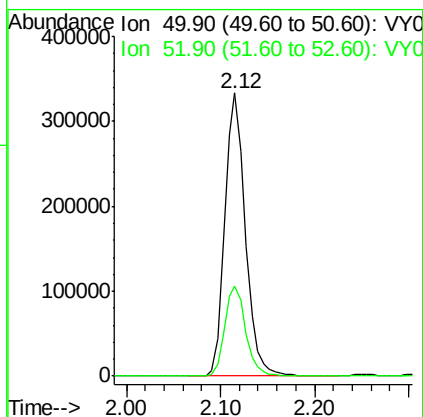
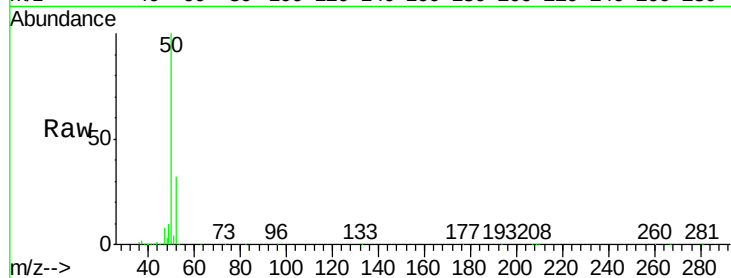
52 31.9 25.9 38.9

Manual Integrations

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8/3/2020 12:37:29 PM



#4

Vinyl Chloride

Concen: 100.010 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY003384.D

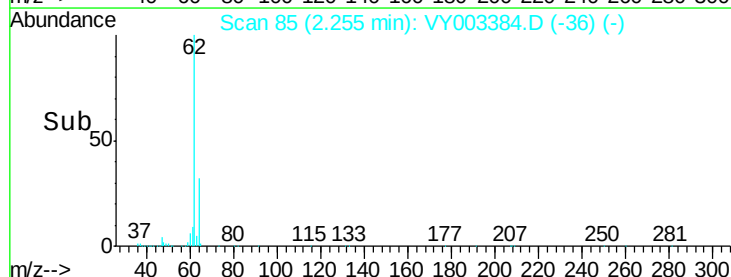
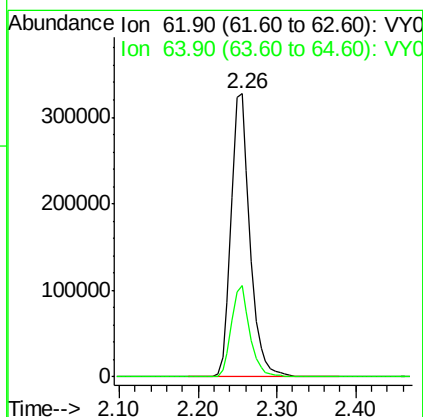
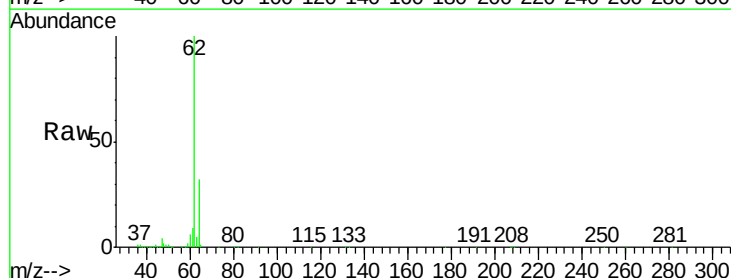
Acq: 31 Jul 2020 12:30

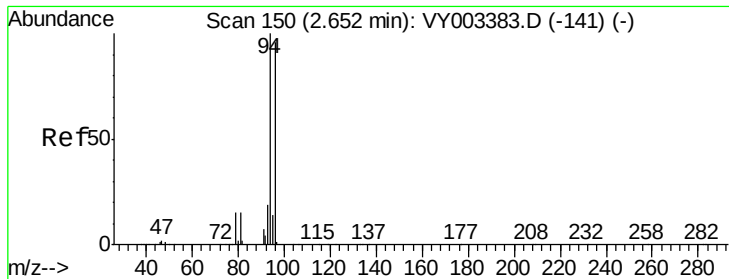
Tgt Ion: 62 Resp: 546071

Ion Ratio Lower Upper

62 100

64 32.4 25.7 38.5





#5

Bromomethane

Concen: 97.823 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 395820

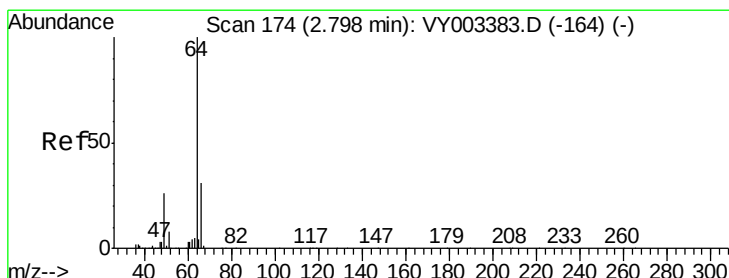
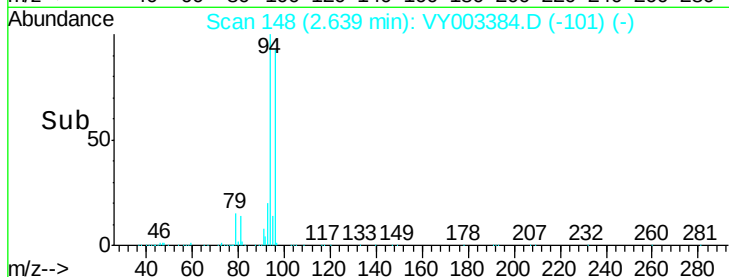
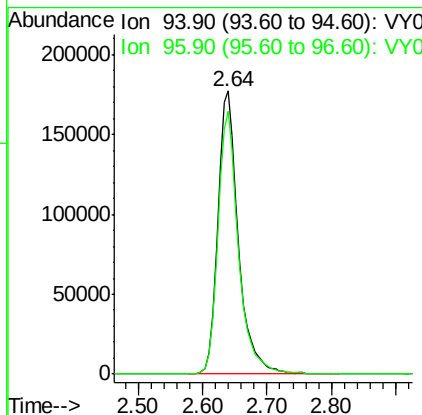
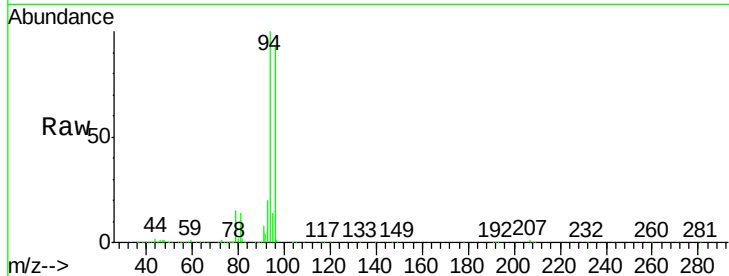
Ion Ratio Lower Upper

94 100

96 92.8 76.6 115.0

Manual Integrations  
APPROVED

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8/3/2020 12:37:29 PM



#6

Chloroethane

Concen: 98.349 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY003384.D

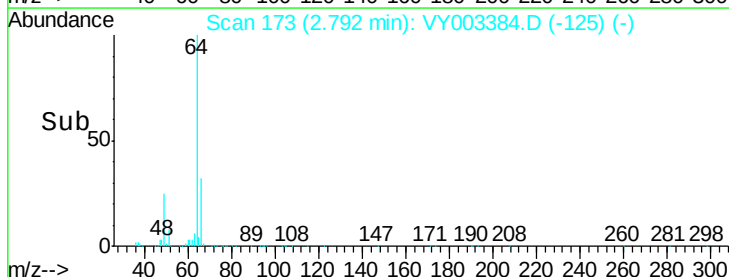
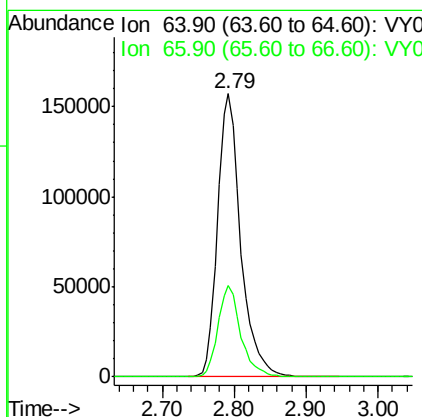
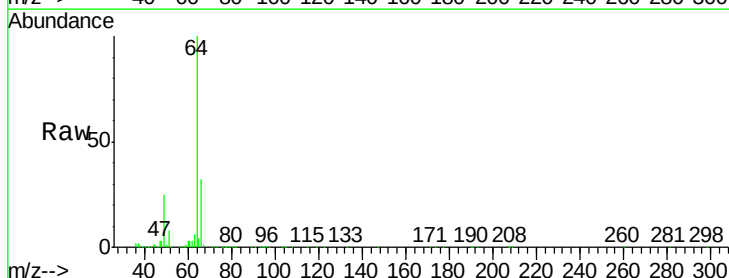
Acq: 31 Jul 2020 12:30

Tgt Ion: 64 Resp: 350062

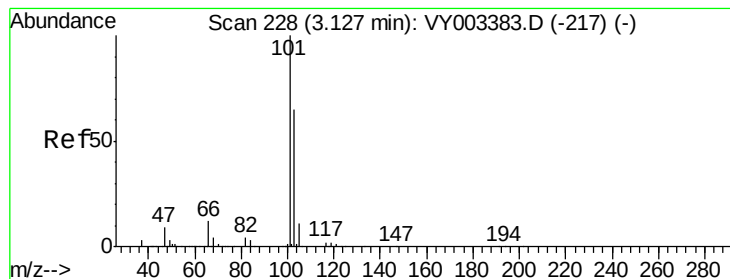
Ion Ratio Lower Upper

64 100

66 32.3 24.7 37.1







#7

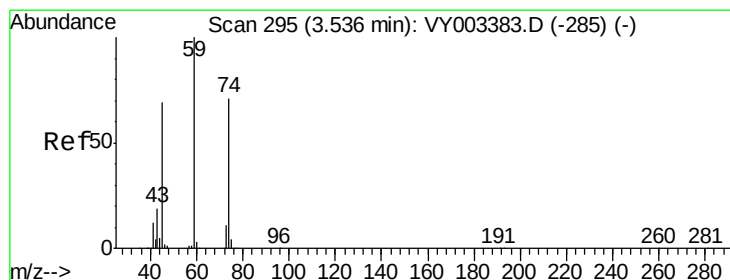
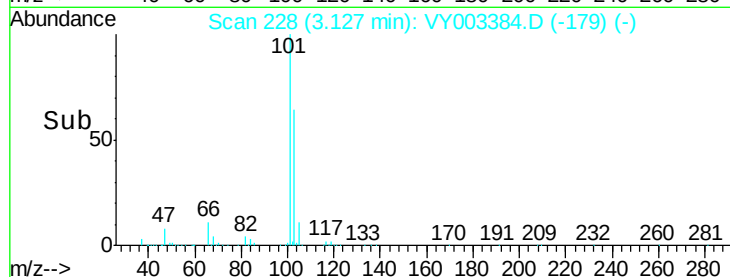
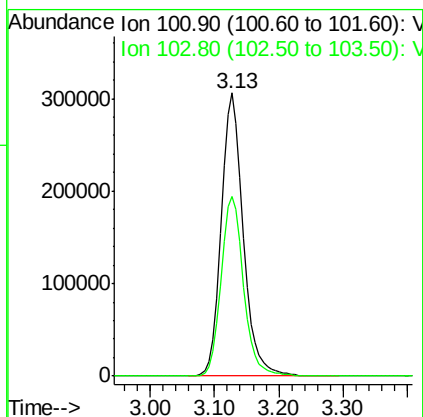
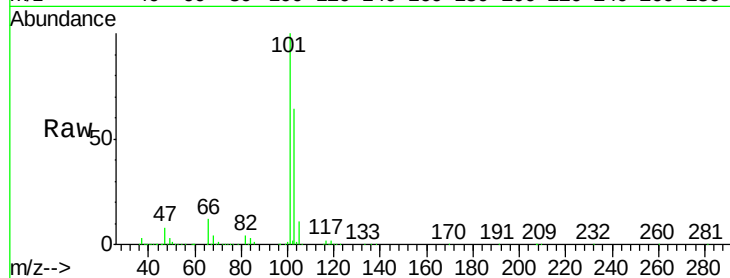
Trichlorofluoromethane  
 Concen: 95.834 ug/l  
 RT: 3.13 min Scan# 228  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.7  | 51.8  | 77.6  |

Manual Integrations  
 APPROVED

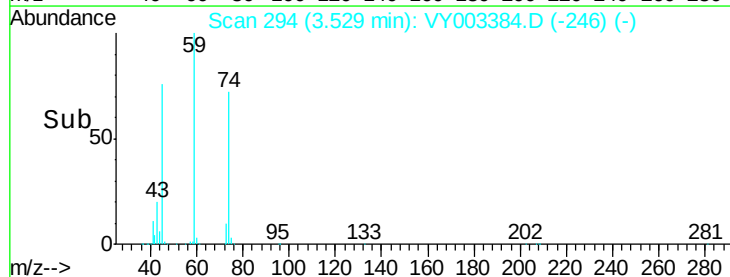
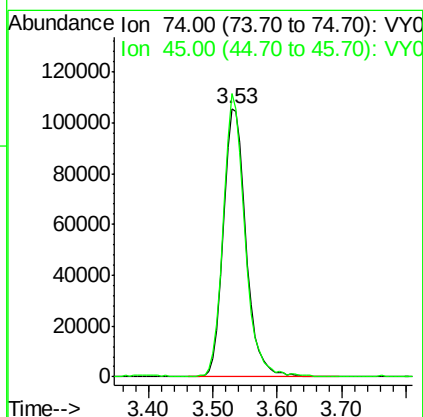
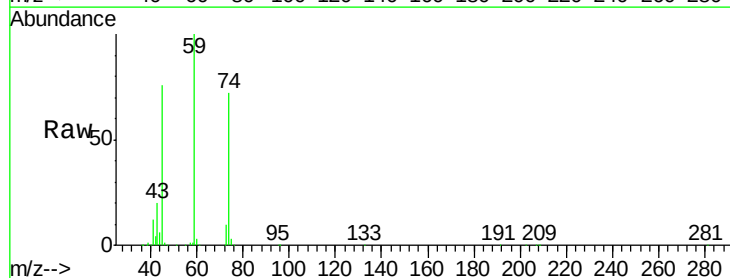
MMDadoda  
 8/3/2020 12:37:29 PM



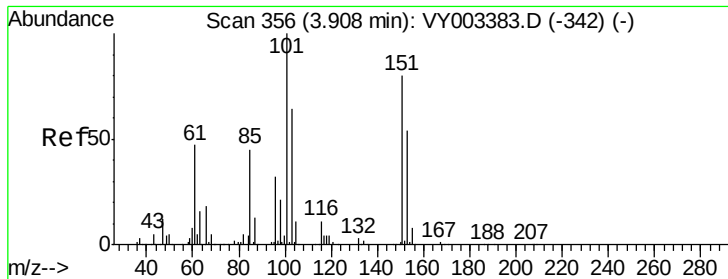
#8

Diethyl Ether  
 Concen: 100.792 ug/l  
 RT: 3.53 min Scan# 294  
 Delta R.T. -0.01 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 100.7 | 48.7  | 146.1 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.597 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

Instrument :

MSVOA\_Y

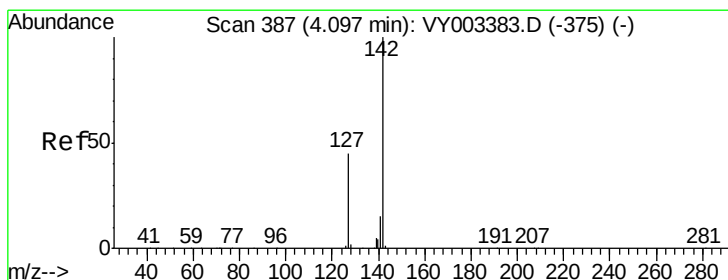
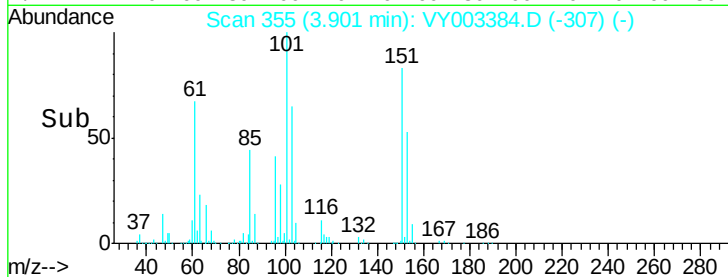
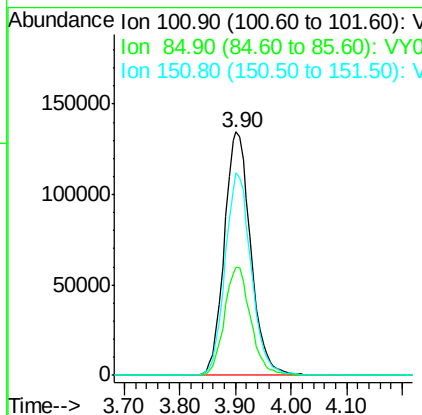
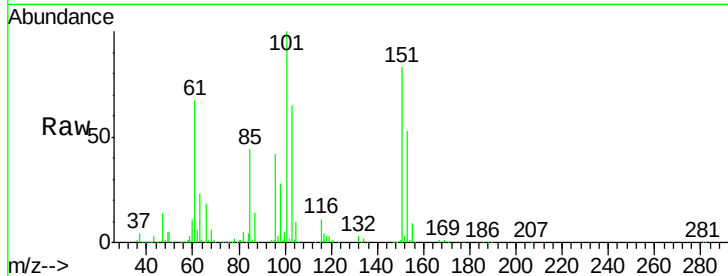
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 440943 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 44.3  | 35.7  | 53.5   |
| 151       | 82.4  | 65.7  | 98.5   |

Manual Integrations  
APPROVED

MMDadoda  
8/3/2020 12:37:29 PM



#10

Methyl Iodide

Concen: 112.700 ug/l

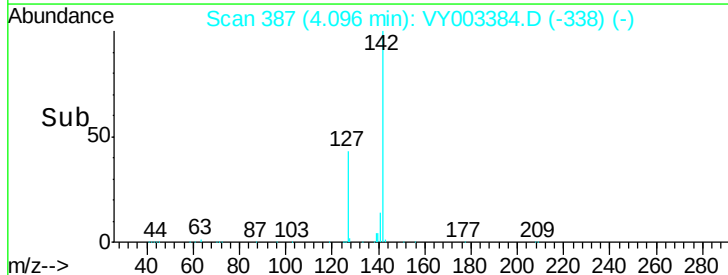
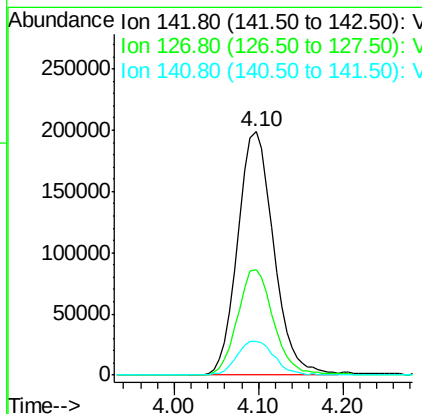
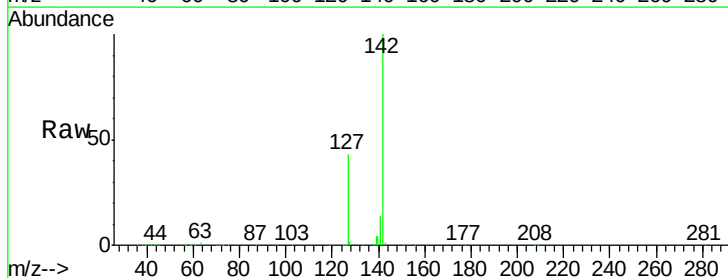
RT: 4.10 min Scan# 387

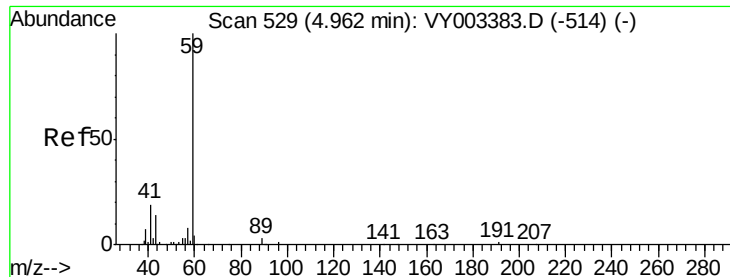
Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 577216 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 43.6  | 34.6  | 52.0   |
| 141       | 14.6  | 11.4  | 17.0   |





#11

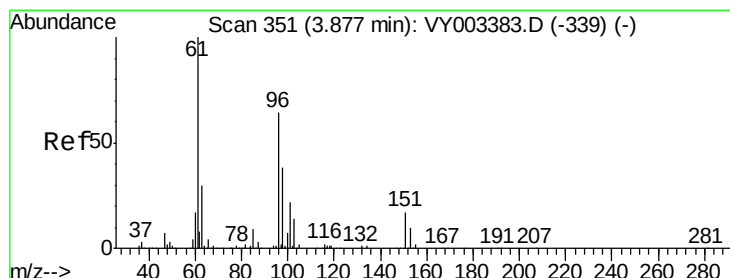
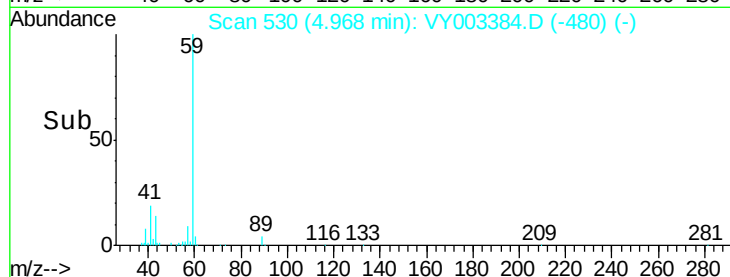
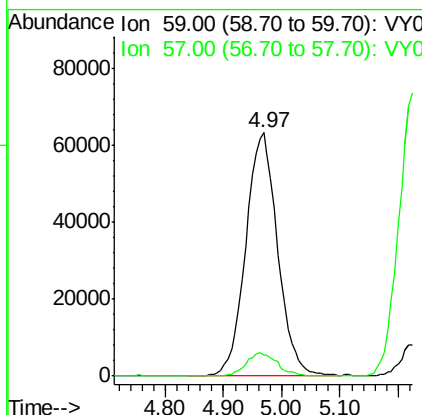
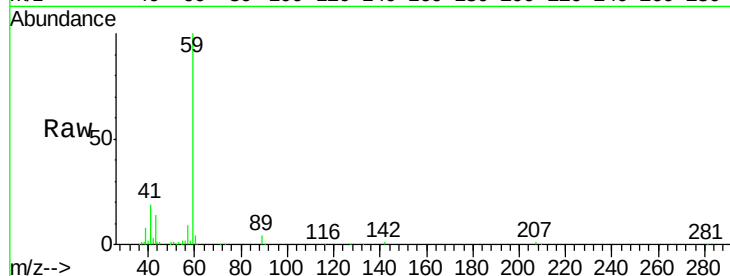
Tert butyl alcohol  
Concen: 499.144 ug/l  
RT: 4.97 min Scan# 530  
Delta R.T. 0.01 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 59      | 59  | 100   |       |       |
| 57      | 57  | 9.5   | 8.0   | 12.0  |

Manual Integrations  
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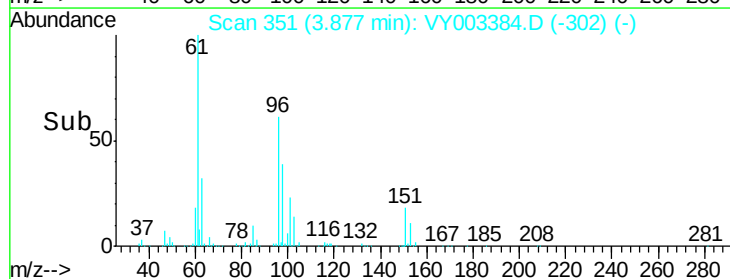
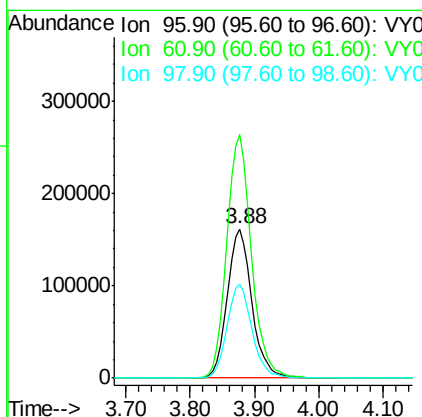
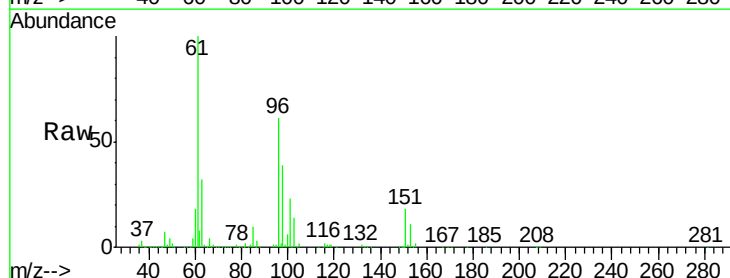
MMDadoda  
8/3/2020 12:37:29 PM

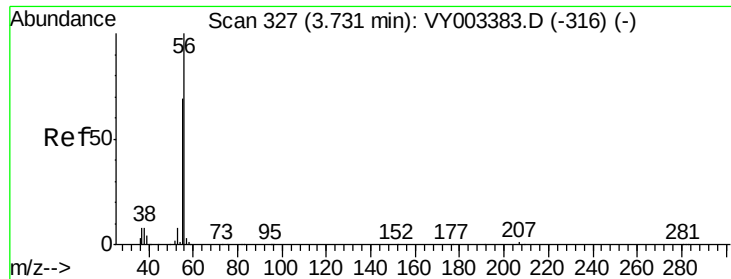


#12

1,1-Dichloroethene  
Concen: 98.091 ug/l  
RT: 3.88 min Scan# 351  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 96      | 96  | 100   |       |       |
| 61      | 61  | 162.8 | 124.7 | 187.1 |
| 98      | 98  | 62.8  | 47.4  | 71.2  |





#13

Acrolein

Concen: 579.642 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

Instrument :

MSVOA\_Y

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 251126

Ion Ratio Lower Upper

56 100

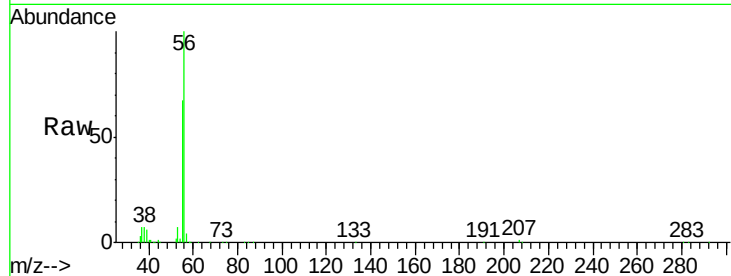
55 69.2 55.5 83.3

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

100000

80000

60000

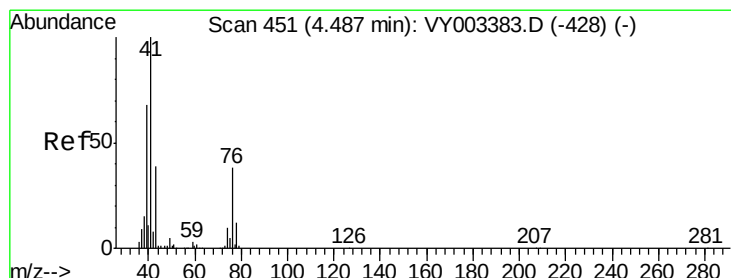
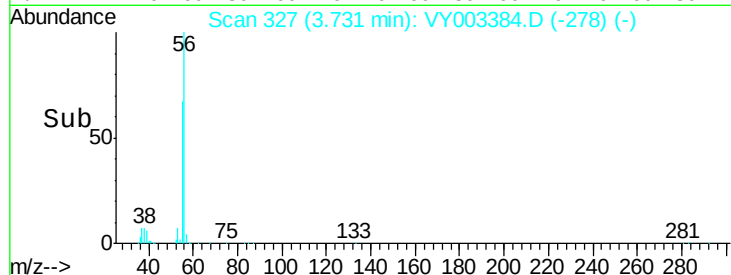
40000

20000

0

3.60 3.70 3.80 3.90

Time-->



#14

Allyl chloride

Concen: 110.614 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

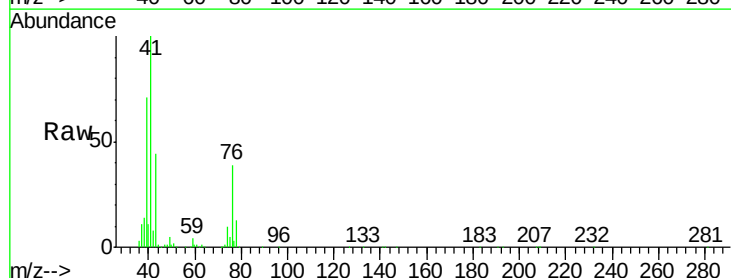
Tgt Ion: 41 Resp: 740377

Ion Ratio Lower Upper

41 100

39 66.5 52.7 79.1

76 36.9 29.8 44.6



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

600000

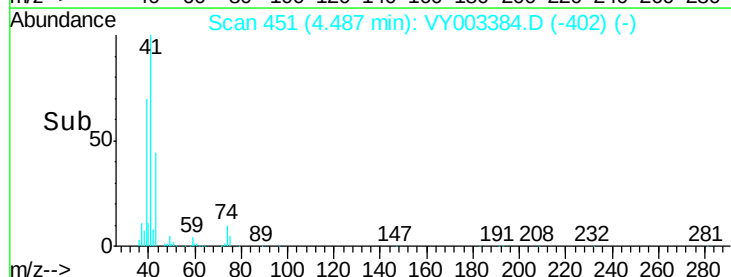
400000

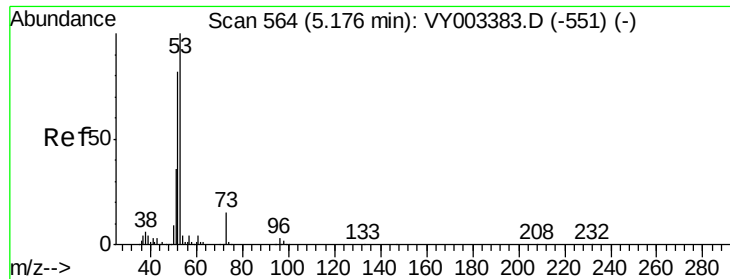
200000

0

4.20 4.40 4.60

Time-->





#15

Acrylonitrile

Concen: 544.734 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

Instrument :

MSVOA\_Y

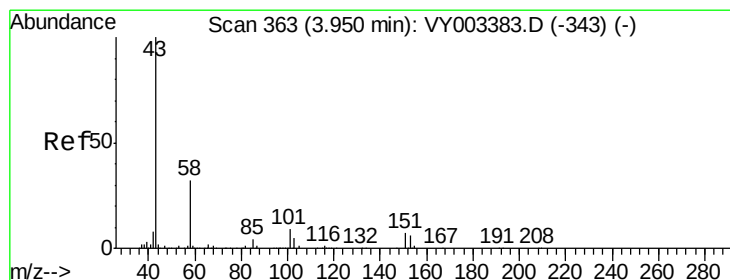
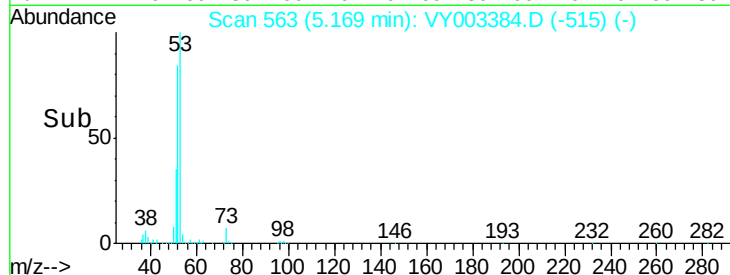
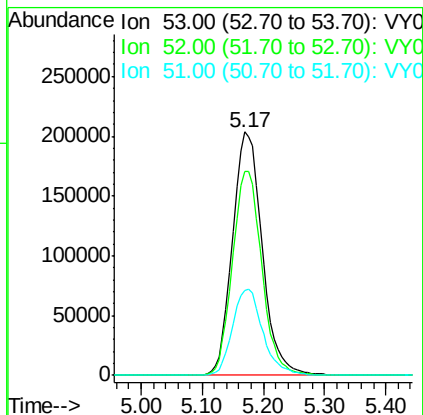
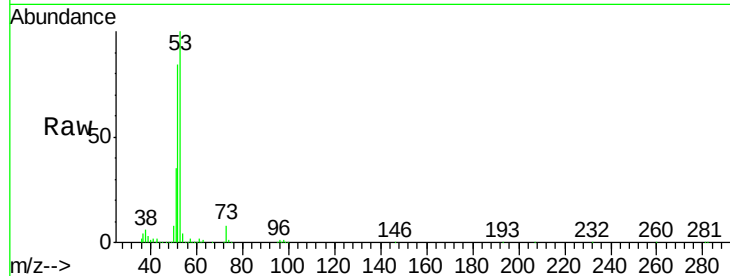
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 682246 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.6  | 67.0  | 100.6  |
| 51       | 36.2  | 29.3  | 43.9   |

Manual Integrations  
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8/3/2020 12:37:29 PM



#16

Acetone

Concen: 612.368 ug/l

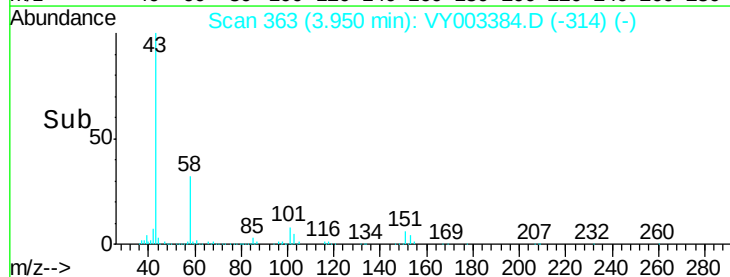
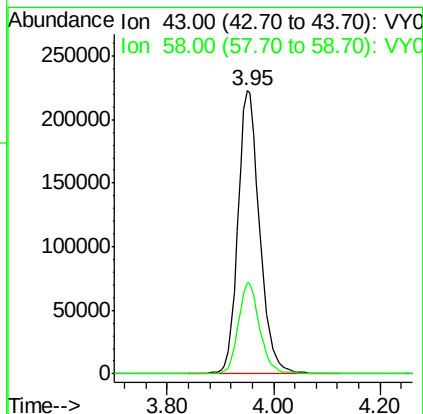
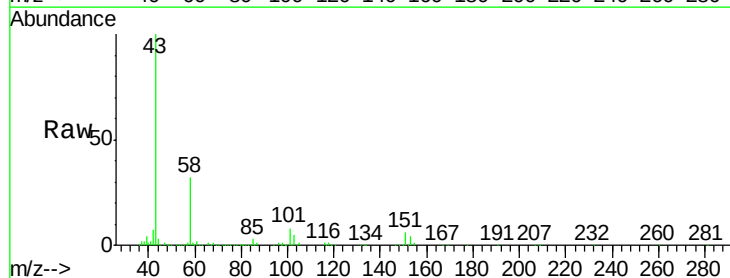
RT: 3.95 min Scan# 363

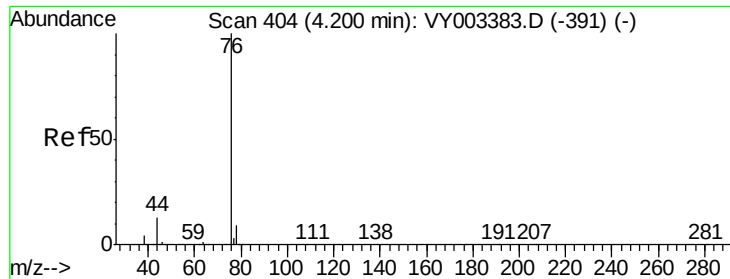
Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 630317 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 32.2  | 25.4  | 38.2   |





#17

Carbon Disulfide

Concen: 102.722 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1410095

Ion Ratio Lower Upper

76 100

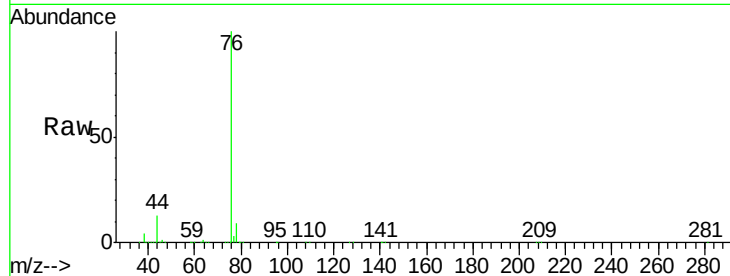
78 9.3 7.5 11.3

Manual Integrations

APPROVED

MMDadoda

8/3/2020 12:37:29 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.20

500000

400000

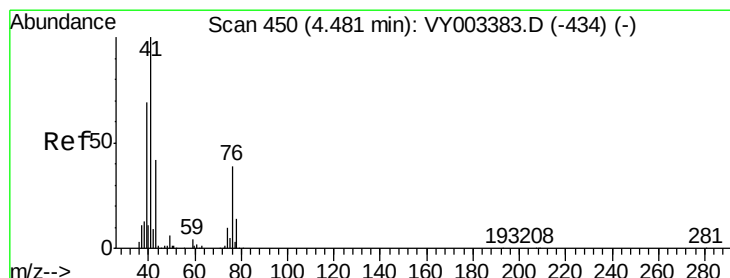
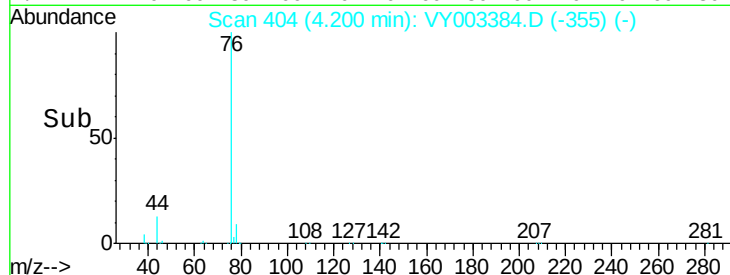
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 110.608 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY003384.D

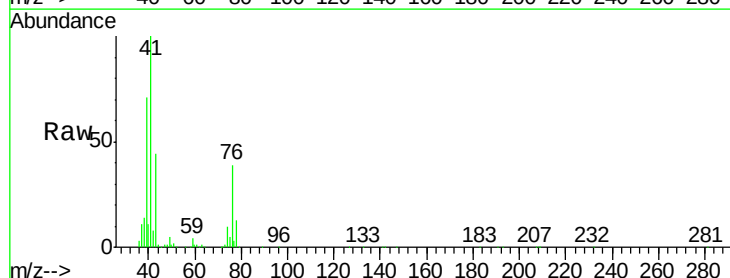
Acq: 31 Jul 2020 12:30

Tgt Ion: 43 Resp: 310546

Ion Ratio Lower Upper

43 100

74 23.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.49

120000

100000

80000

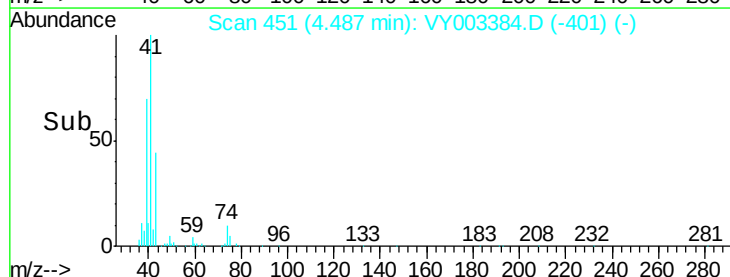
60000

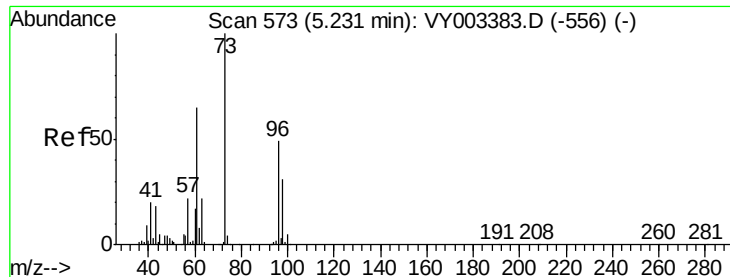
40000

20000

0

Time-->





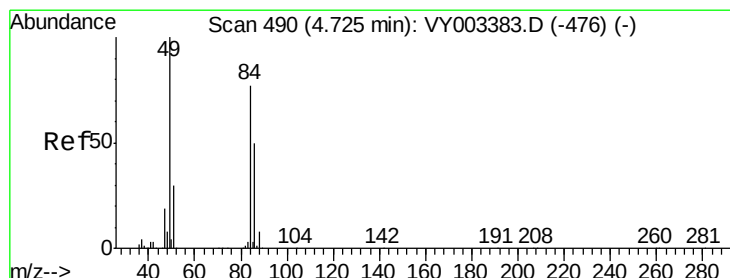
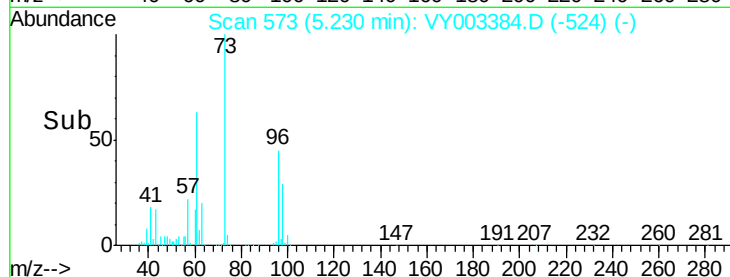
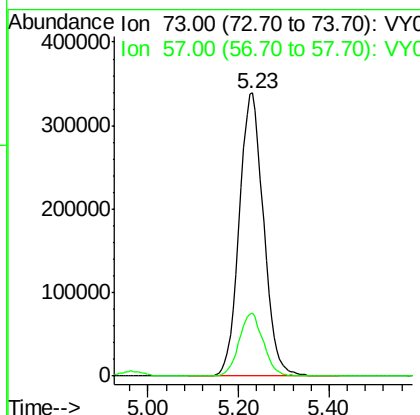
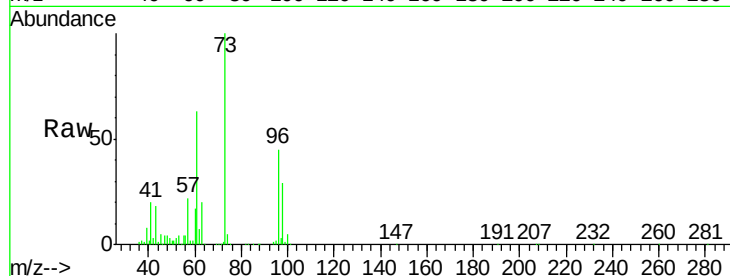
#19  
Methyl tert-butyl Ether  
Concen: 102.264 ug/l  
RT: 5.23 min Scan# 573  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

Tot Ion: 73 Resp: 1260900  
Ion Ratio Lower Upper  
73 100  
57 22.4 17.8 26.8

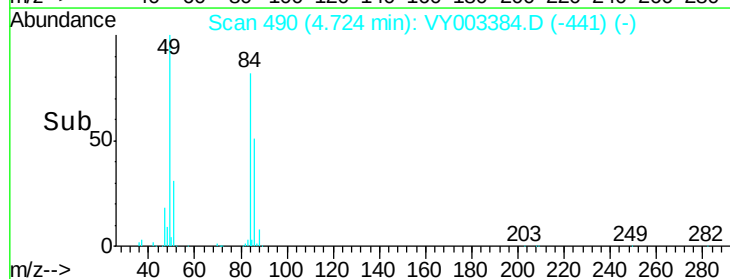
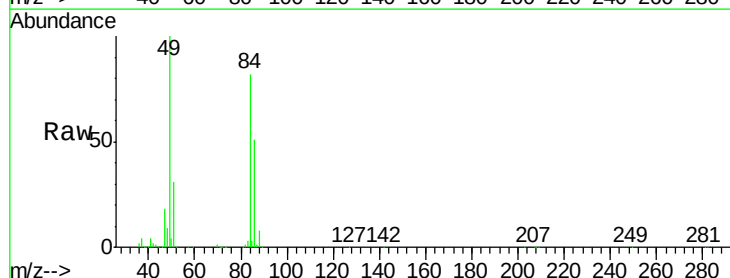
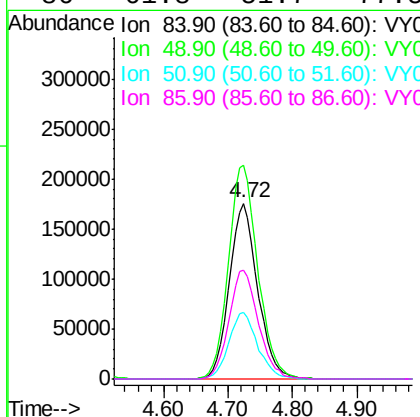
Manual Integrations  
APPROVED

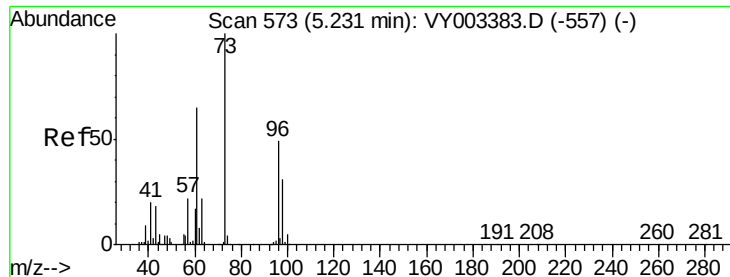
MMDadoda  
8/3/2020 12:37:29 PM



#20  
Methylene Chloride  
Concen: 89.201 ug/l  
RT: 4.72 min Scan# 490  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

Tgt Ion: 84 Resp: 541865  
Ion Ratio Lower Upper  
84 100  
49 121.5 104.2 156.4  
51 38.1 31.5 47.3  
86 61.8 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 99.055 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

Instrument :

MSVOA\_Y

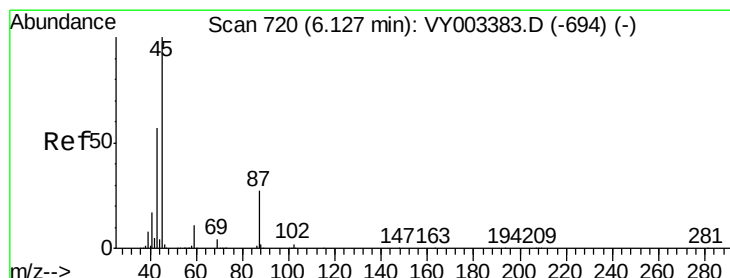
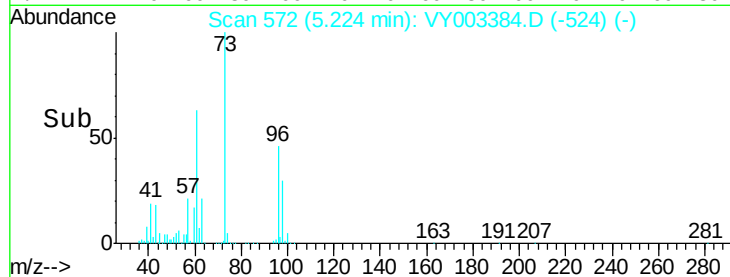
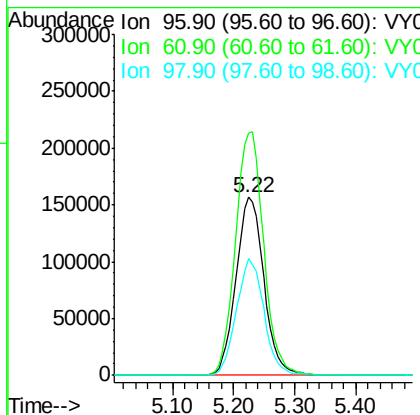
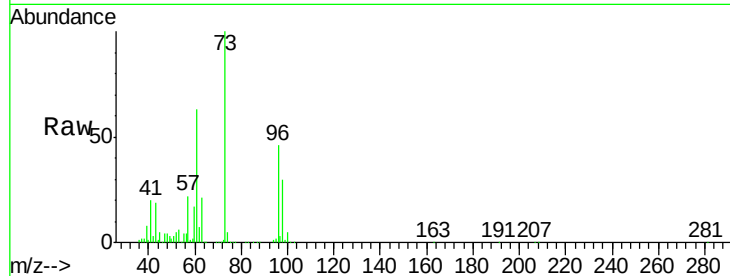
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 493669 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 136.3 | 106.3 | 159.5  |
| 98       | 65.5  | 50.8  | 76.2   |

Manual Integrations  
APPROVED

MMDadoda  
8/3/2020 12:37:29 PM



#22

Diisopropyl ether

Concen: 106.668 ug/l

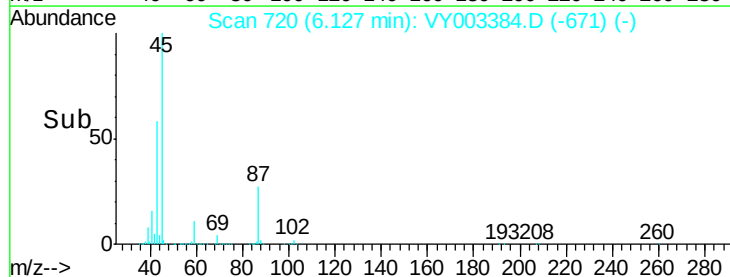
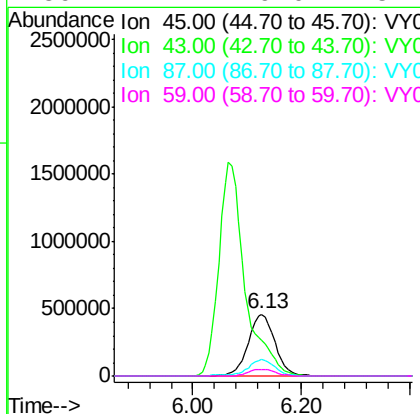
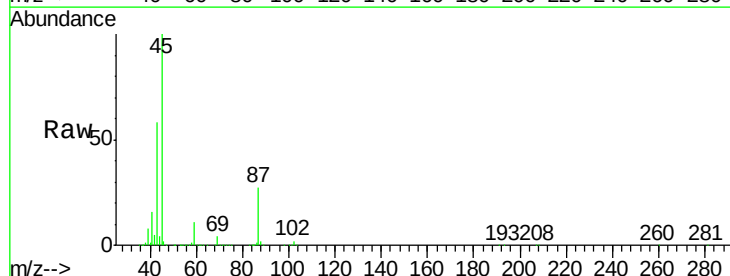
RT: 6.13 min Scan# 720

Delta R.T. -0.00 min

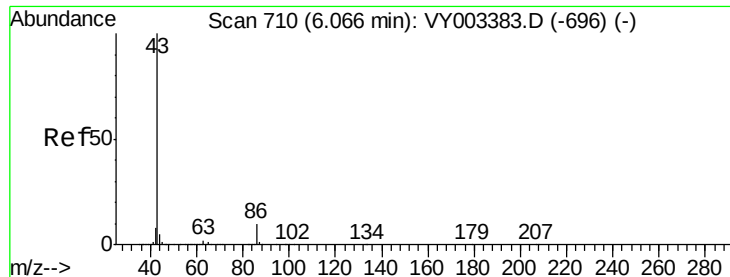
Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 45    | Resp: | 1566721 |
| Ion      | Ratio | Lower | Upper   |
| 45       | 100   |       |         |
| 43       | 58.2  | 45.6  | 68.4    |
| 87       | 26.5  | 21.3  | 31.9    |
| 59       | 11.4  | 9.0   | 13.4    |







#23

Vinyl Acetate

Concen: 545.761 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 5331133

Ion Ratio Lower Upper

43 100

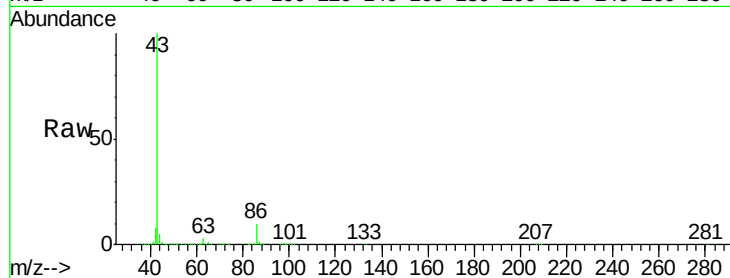
86 10.3 8.0 12.0

Manual Integrations

APPROVED

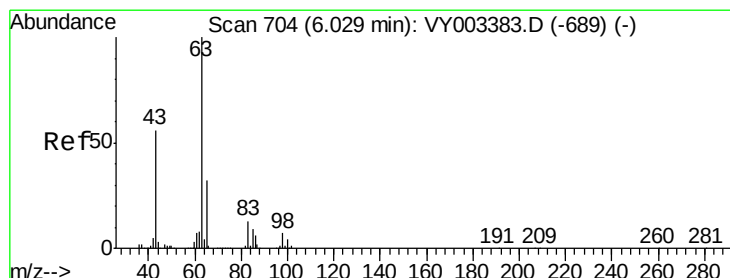
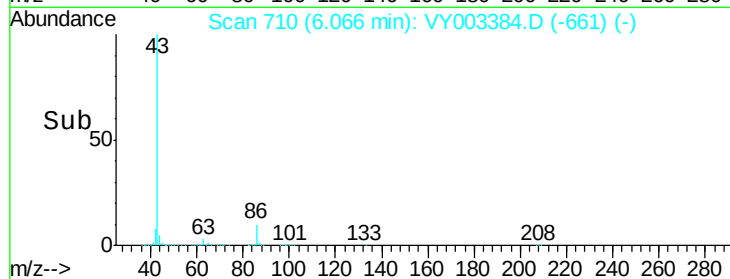
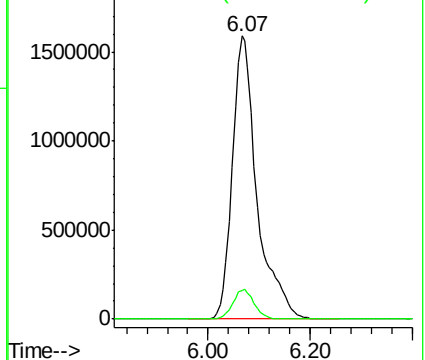
MMDadoda

8/3/2020 12:37:29 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: 102.874 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

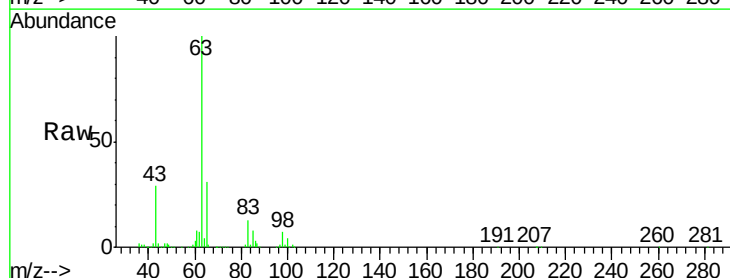
Tgt Ion: 63 Resp: 871355

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.6

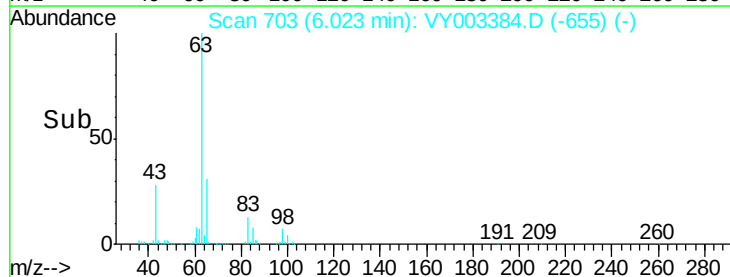
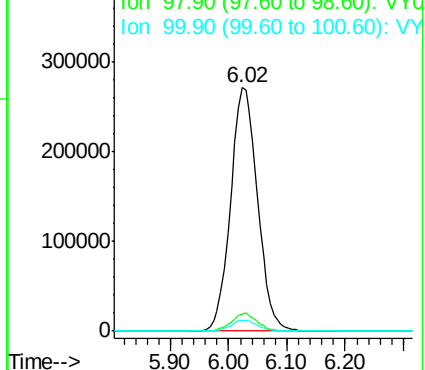
100 4.3 2.2 6.6

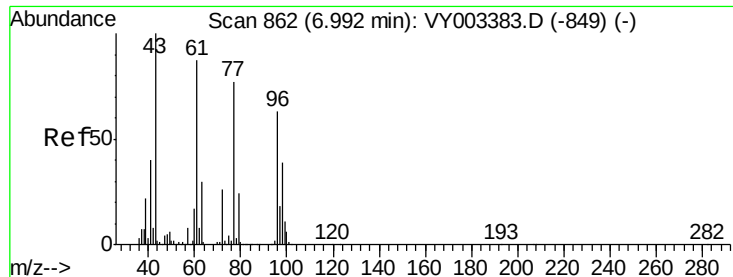


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





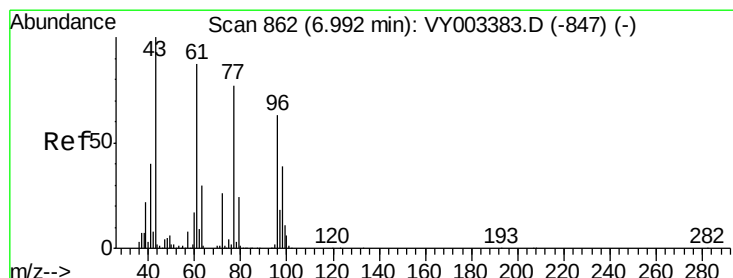
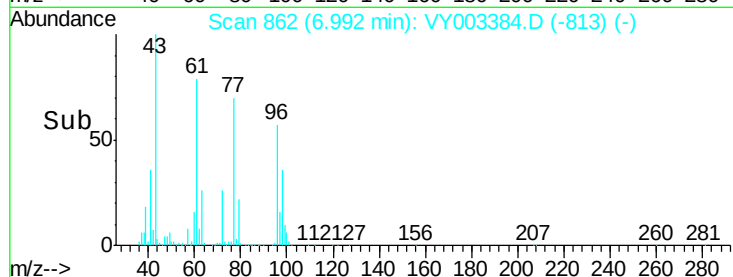
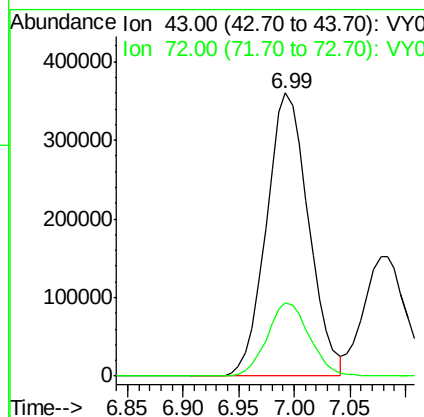
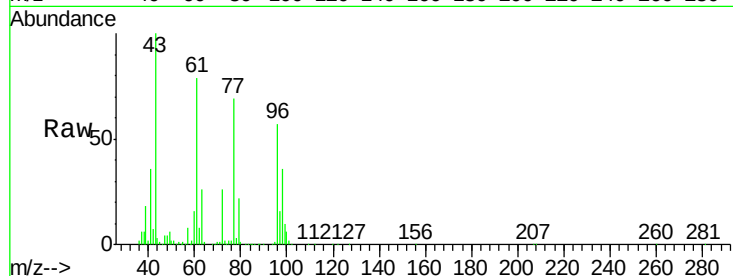
#25  
2-Butanone  
Concen: 571.687 ug/l  
RT: 6.99 min Scan# 862  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 72      | 25.8  | 21.1  | 31.7  |

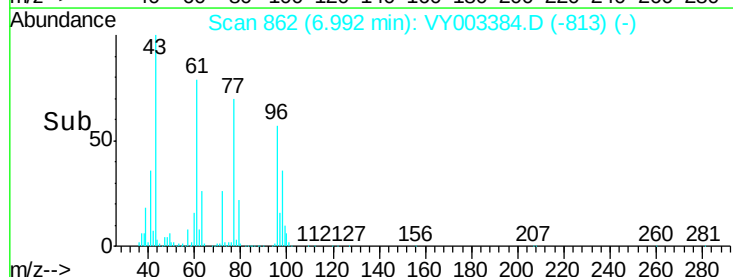
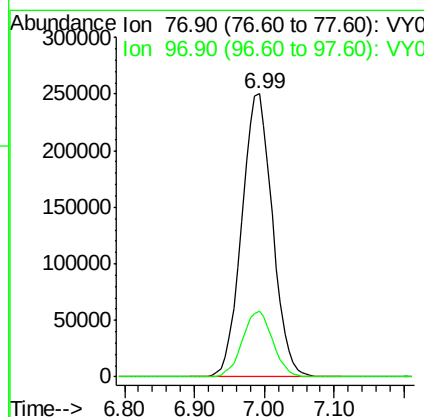
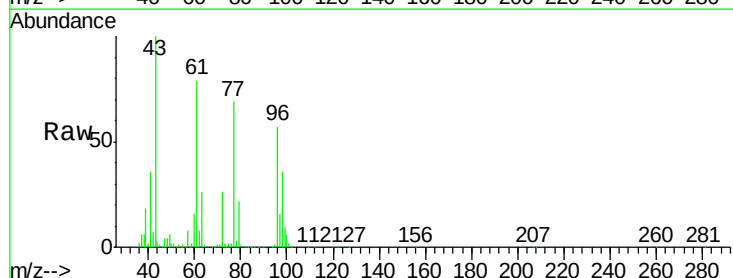
Manual Integrations  
APPROVED

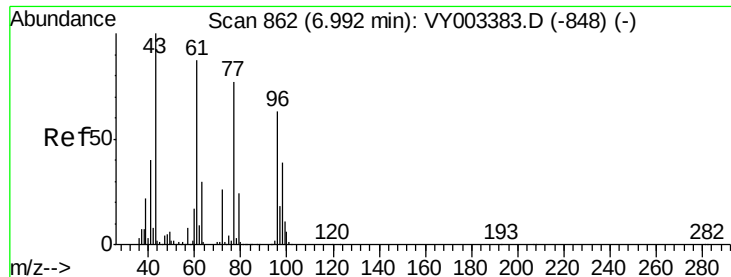
MMDadoda  
8/3/2020 12:37:29 PM



#26  
2,2-Dichloropropane  
Concen: 99.974 ug/l  
RT: 6.99 min Scan# 862  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 97      | 23.1  | 11.3  | 33.8  |





#27

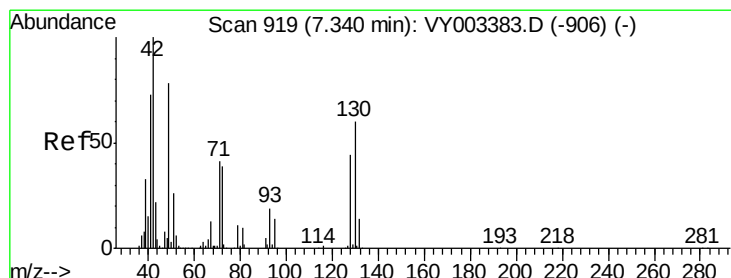
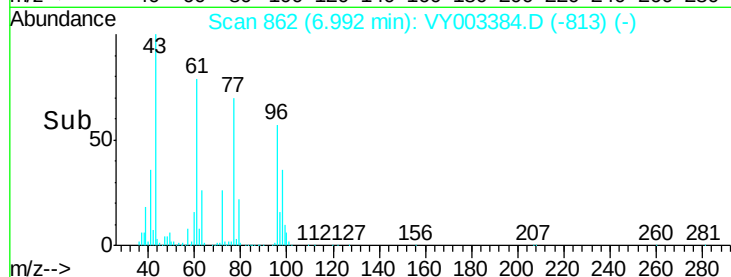
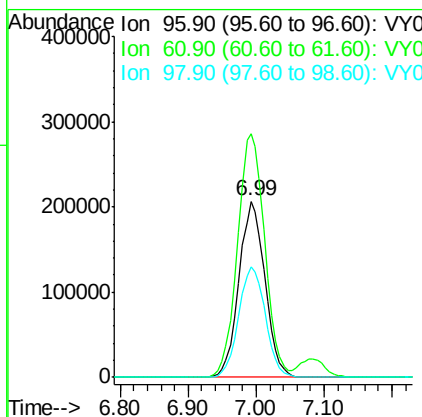
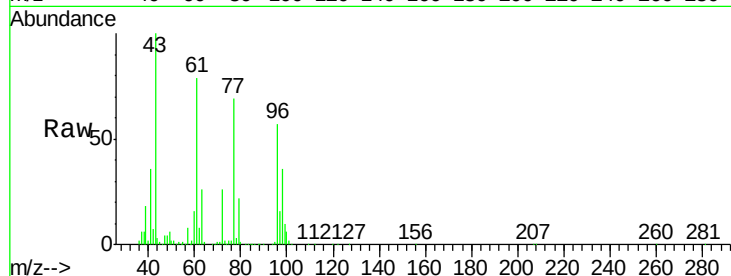
cis-1,2-Dichloroethene  
 Concen: 99.914 ug/l  
 RT: 6.99 min Scan# 862  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 144.4 | 0.0  | 290.0 |       |
| 98      | 64.4  | 0.0  | 129.0 |       |

Manual Integrations  
 APPROVED

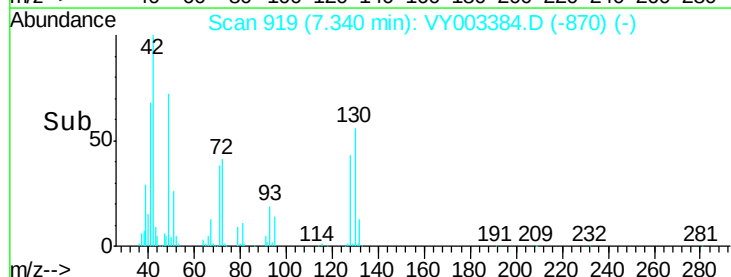
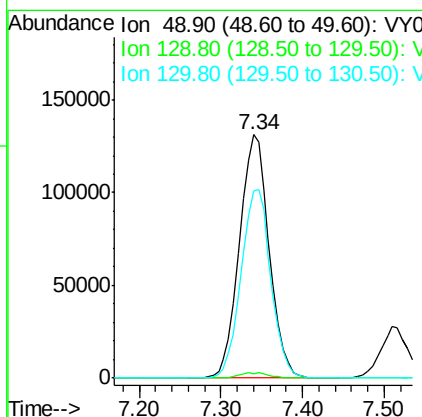
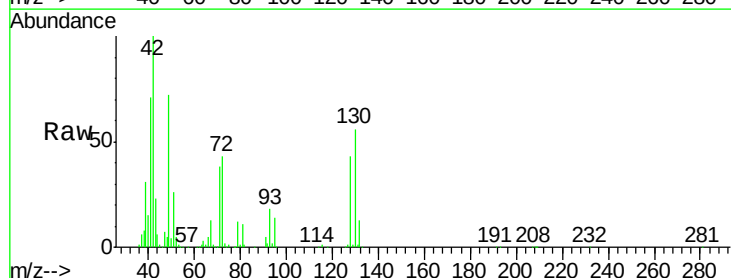
MMDadoda  
 8/3/2020 12:37:29 PM

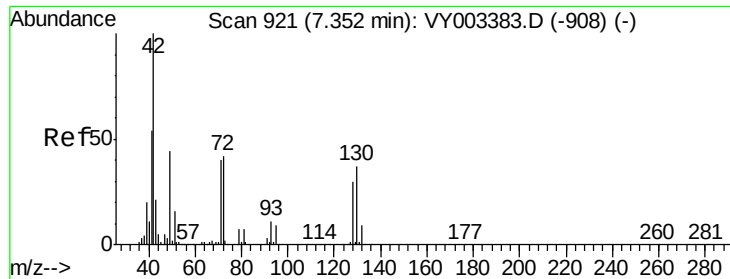


#28

Bromochloromethane  
 Concen: 93.041 ug/l  
 RT: 7.34 min Scan# 919  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 2.2   | 0.0  | 4.4   |       |
| 130     | 77.9  | 60.3 | 90.5  |       |





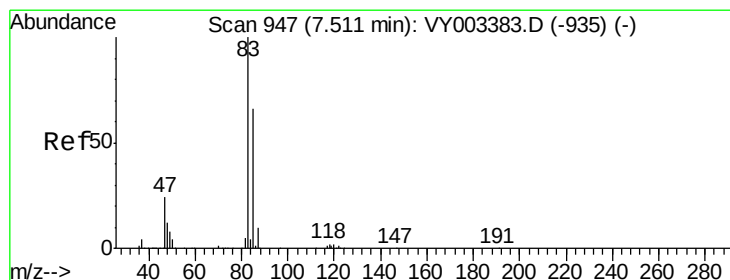
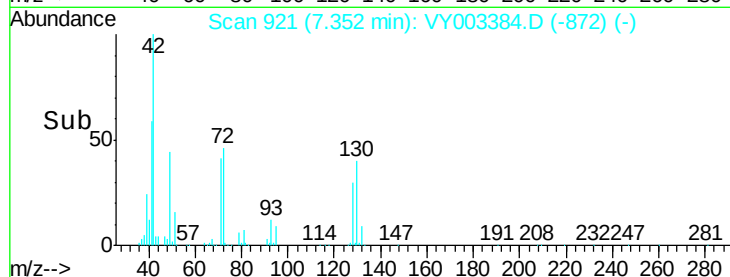
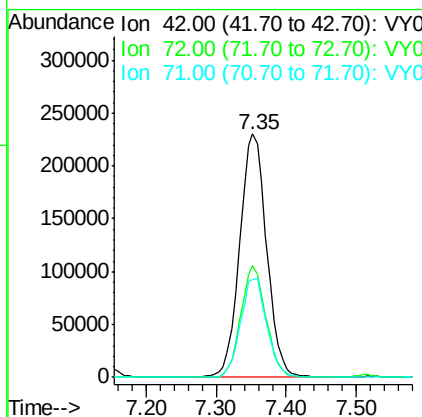
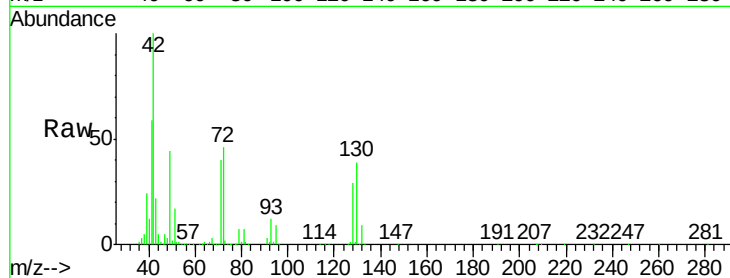
#29  
Tetrahydrofuran  
Concen: 554.278 ug/l  
RT: 7.35 min Scan# 921  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 42.9  | 33.5  | 50.3  |
| 71      | 39.8  | 32.1  | 48.1  |

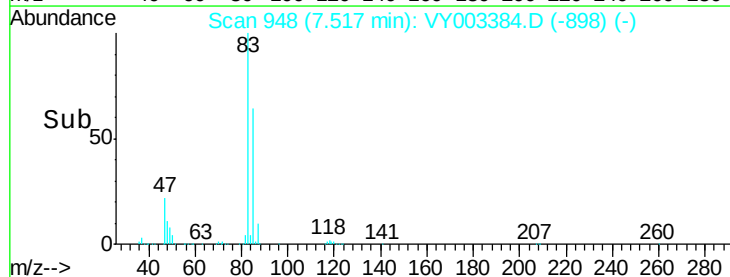
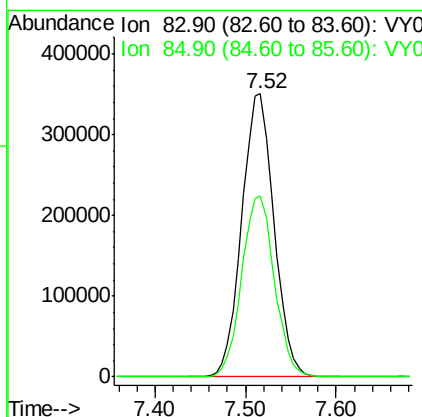
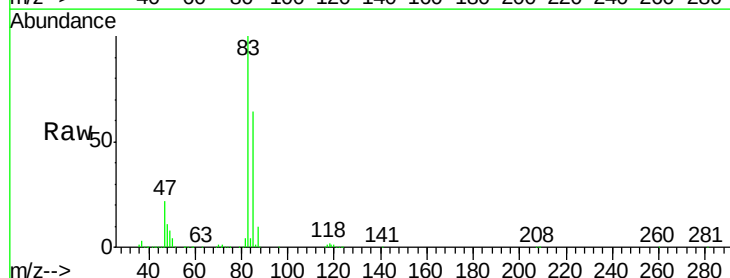
Manual Integrations  
APPROVED

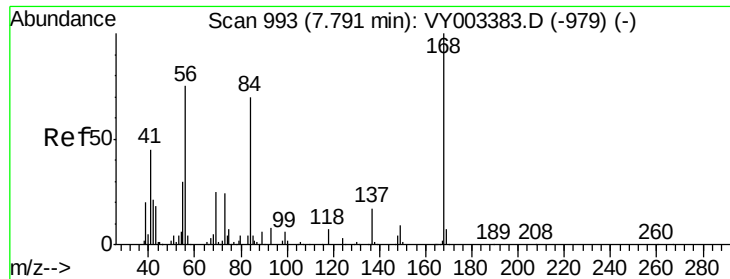
MMDadoda  
8/3/2020 12:37:29 PM



#30  
Chloroform  
Concen: 99.454 ug/l  
RT: 7.52 min Scan# 948  
Delta R.T. 0.01 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.0  | 52.5  | 78.7  |





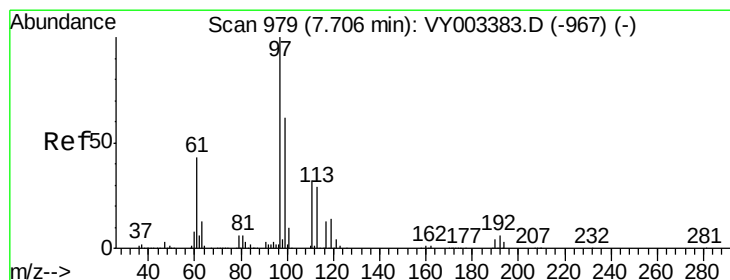
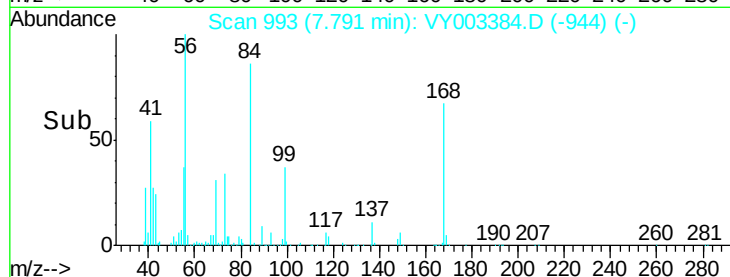
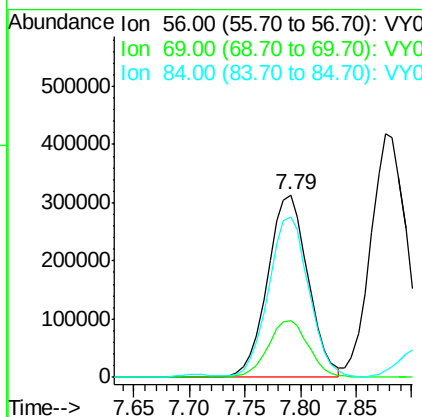
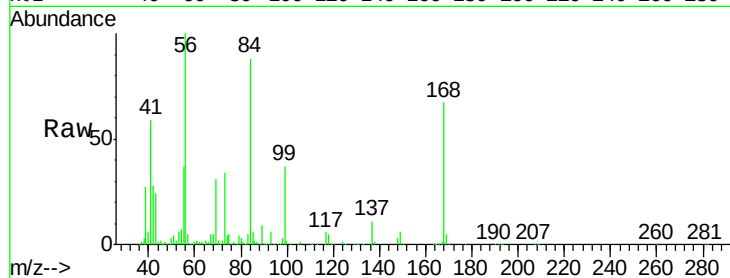
#31  
Cyclohexane  
Concen: 96.738 ug/l  
RT: 7.79 min Scan# 993  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 31.4  | 26.1  | 39.1  |
| 84      | 86.6  | 73.9  | 110.9 |

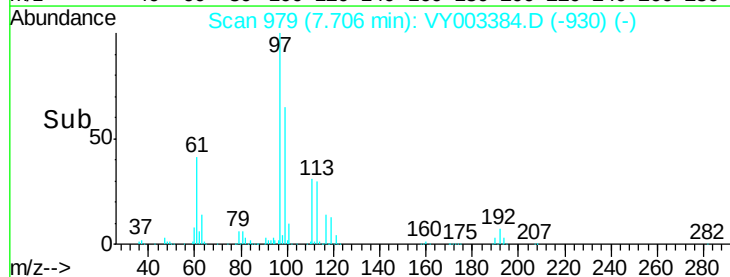
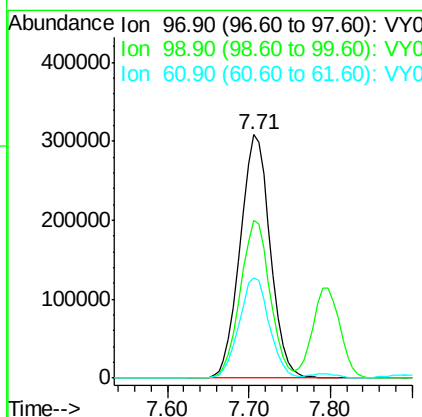
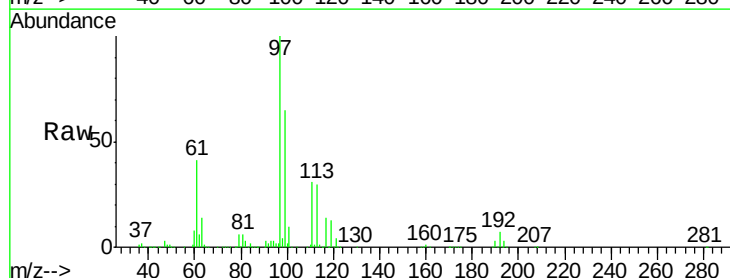
Manual Integrations  
APPROVED

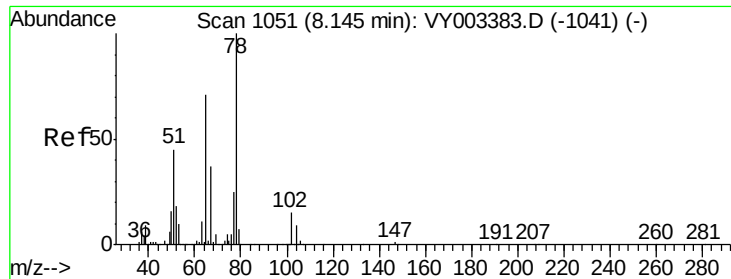
MMDadoda  
8/3/2020 12:37:29 PM



#32  
1,1,1-Trichloroethane  
Concen: 100.748 ug/l  
RT: 7.71 min Scan# 979  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.9  | 50.9  | 76.3  |
| 61      | 41.5  | 33.7  | 50.5  |





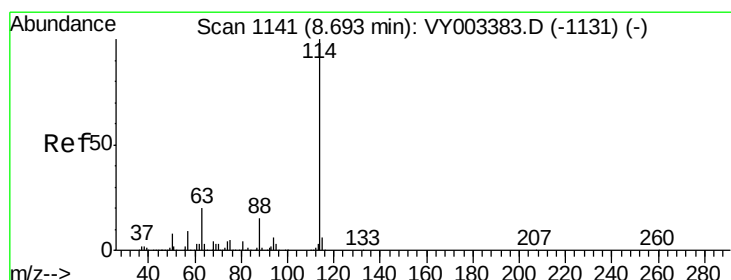
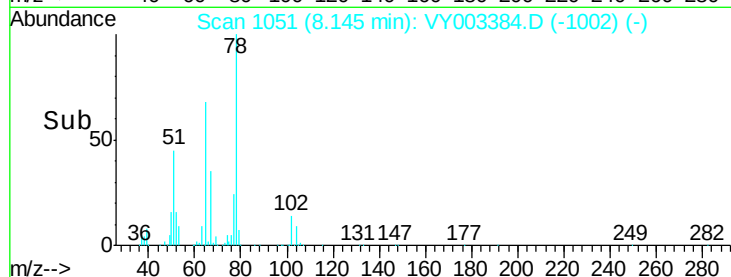
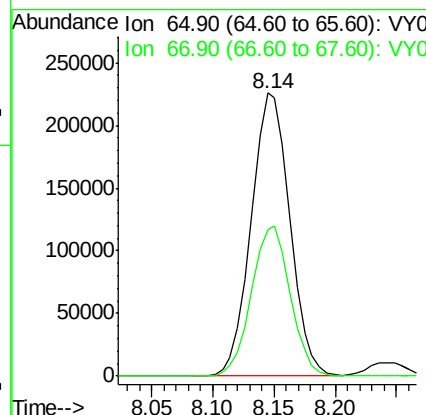
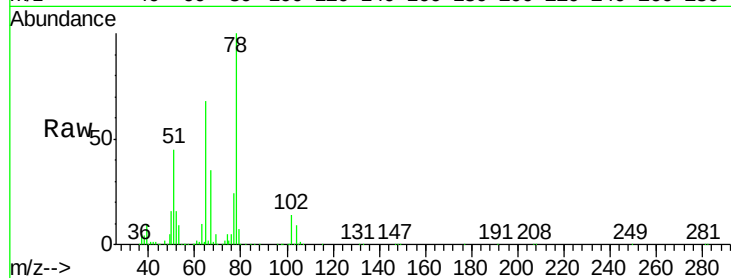
#33  
 1,2-Dichloroethane-d4  
 Concen: 108.768 ug/l  
 RT: 8.14 min Scan# 1051  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.1  | 0.0   | 106.6 |

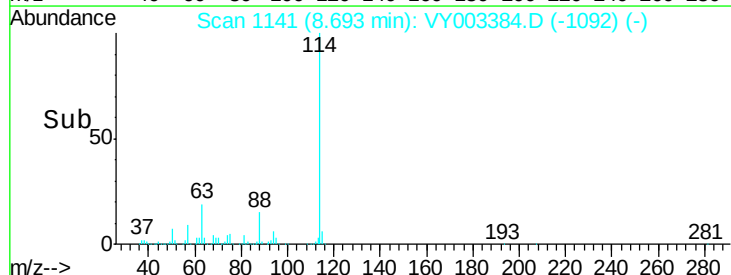
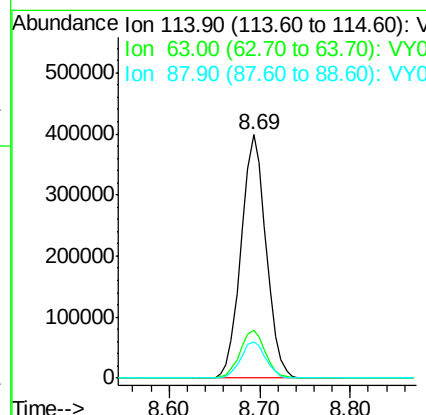
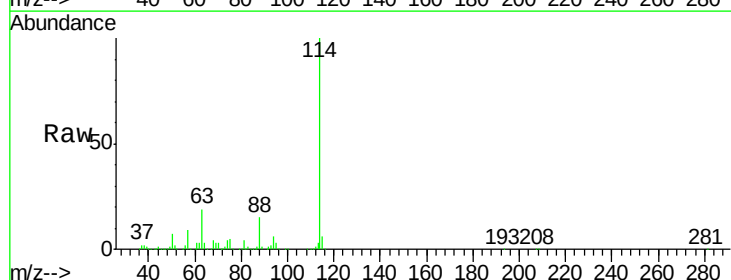
Manual Integrations  
 APPROVED

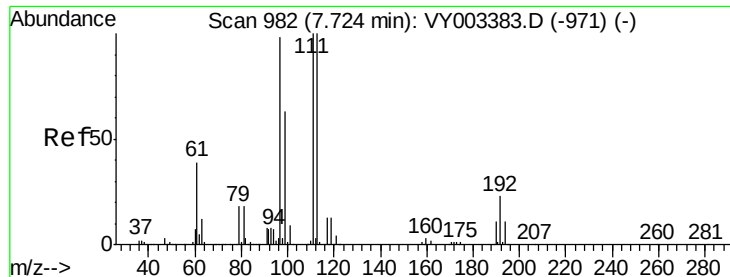
MMDadoda  
 8/3/2020 12:37:29 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.5  | 0.0   | 40.6  |
| 88      | 14.9  | 0.0   | 29.2  |





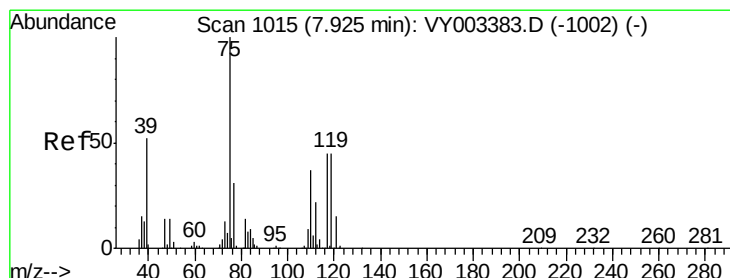
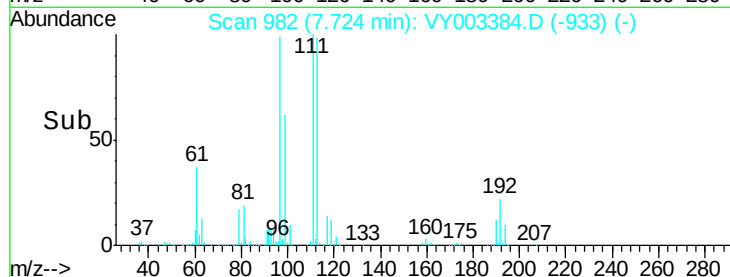
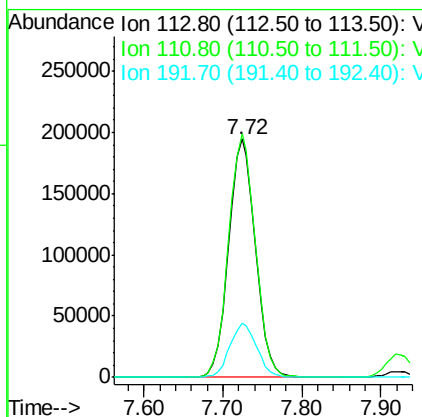
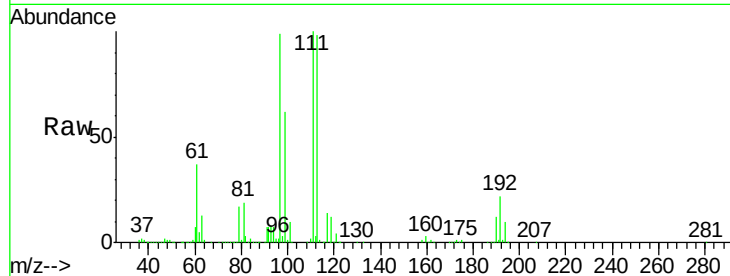
#35  
 Dibromofluoromethane  
 Concen: 102.484 ug/l  
 RT: 7.72 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 102.2 | 83.0 | 124.4 |       |
| 192     | 22.8  | 18.8 | 28.2  |       |

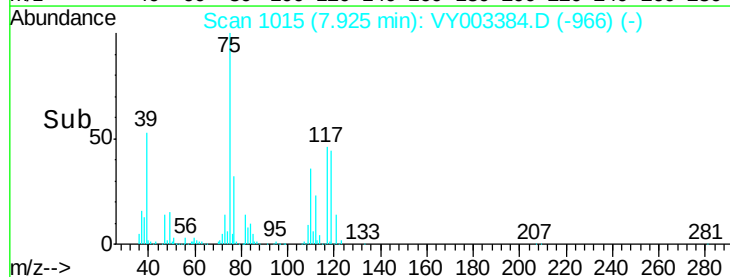
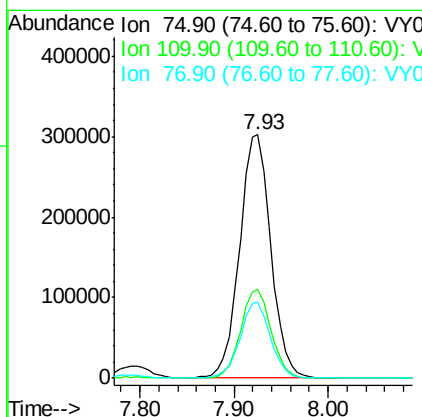
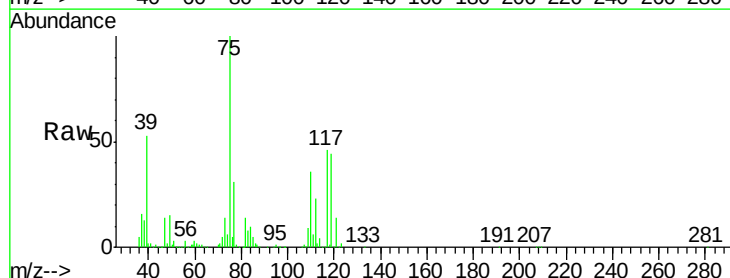
Manual Integrations  
 APPROVED

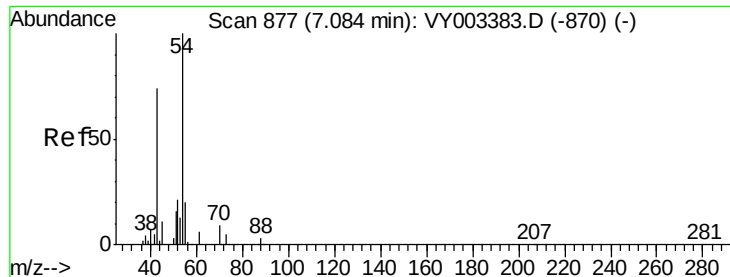
MMDadoda  
 8/3/2020 12:37:29 PM



#36  
 1,1-Dichloropropene  
 Concen: 99.388 ug/l  
 RT: 7.93 min Scan# 1015  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 35.7  | 17.8 | 53.5  |       |
| 77      | 30.6  | 24.6 | 36.8  |       |





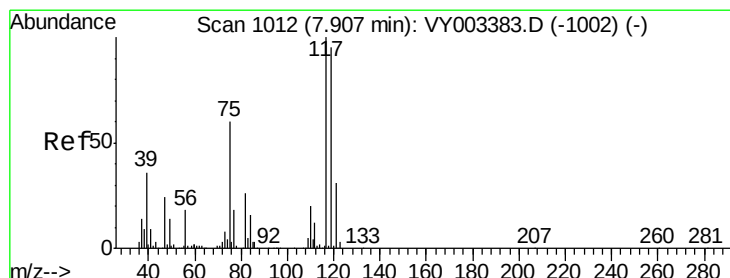
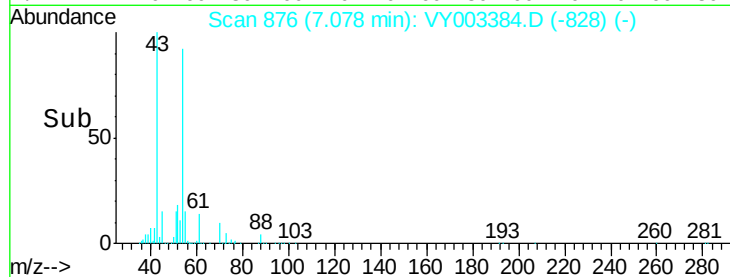
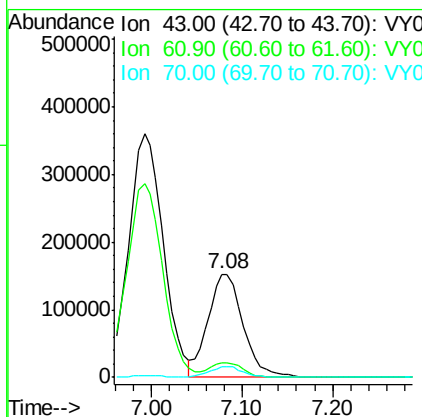
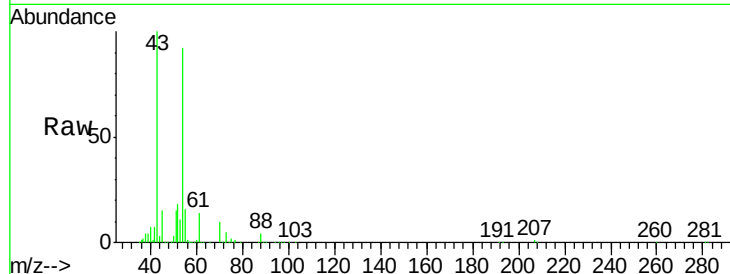
#37  
Ethyl Acetate  
Concen: 108.976 ug/l  
RT: 7.08 min Scan# 876  
Delta R.T. -0.01 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.4  | 11.2  | 16.8  |
| 70      | 9.9   | 7.7   | 11.5  |

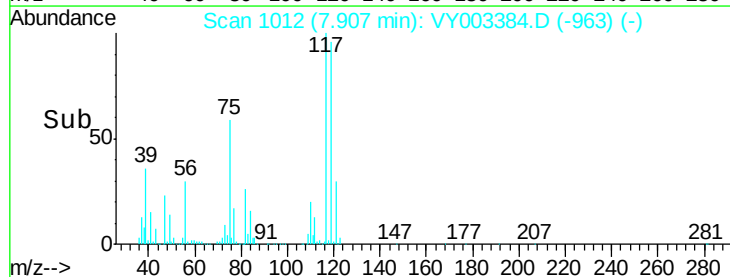
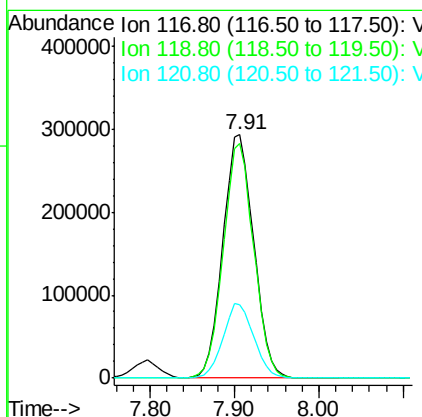
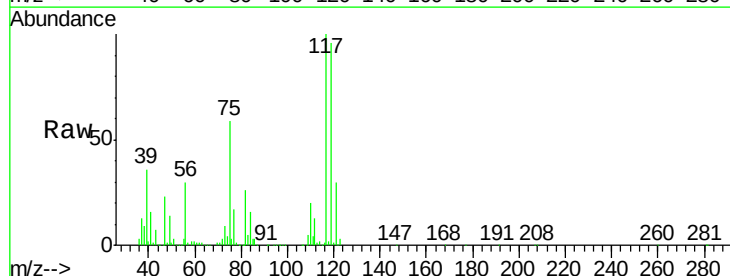
Manual Integrations  
APPROVED

MMDadoda  
8/3/2020 12:37:29 PM

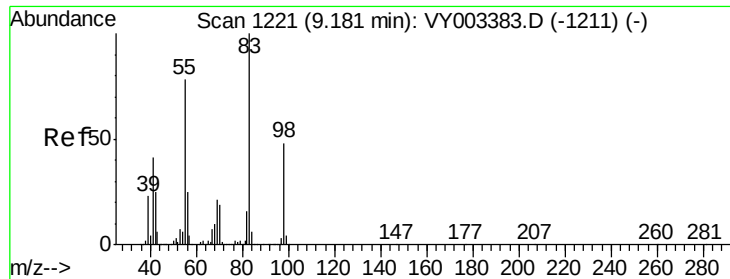


#38  
Carbon Tetrachloride  
Concen: 101.285 ug/l  
RT: 7.91 min Scan# 1012  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.4  | 76.1  | 114.1 |
| 121     | 30.3  | 24.5  | 36.7  |







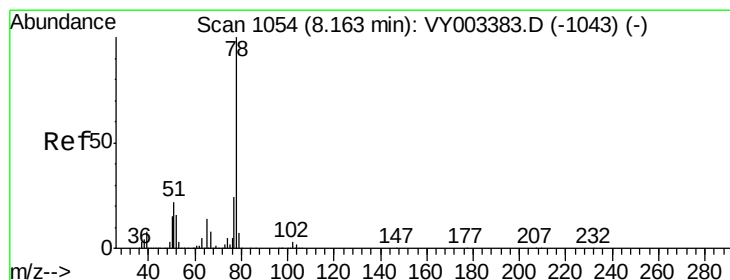
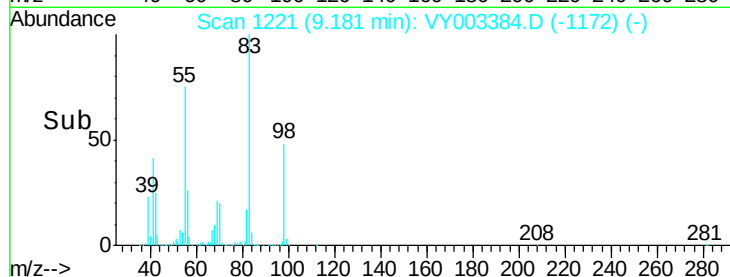
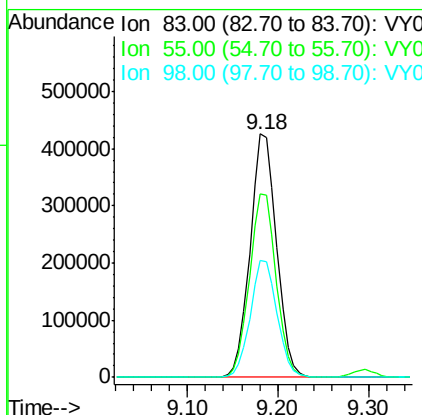
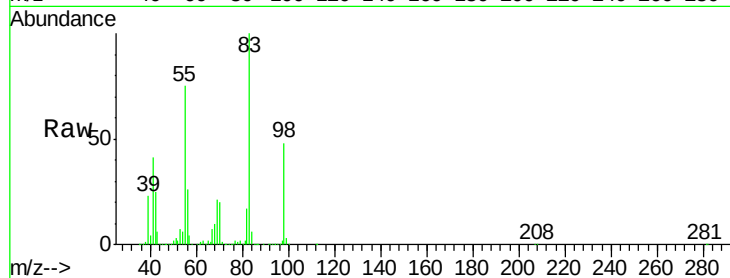
#39  
Methylvlcyclohexane  
Concen: 98.131 ug/l  
RT: 9.18 min Scan# 1221  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 75.1  | 62.2  | 93.4  |
| 98      | 48.0  | 38.7  | 58.1  |

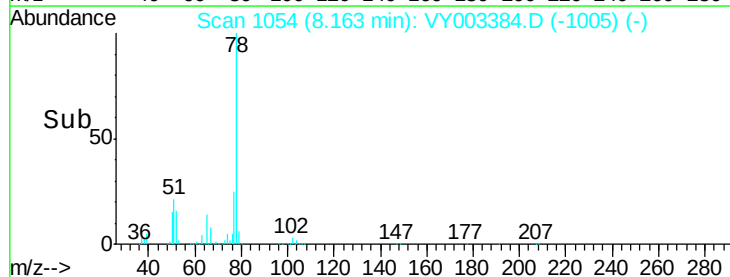
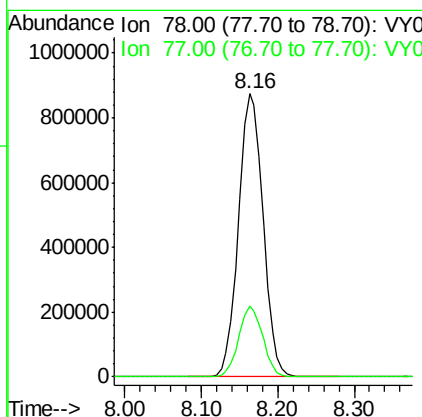
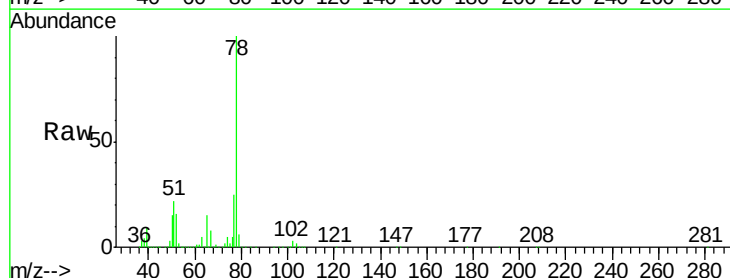
Manual Integrations  
APPROVED

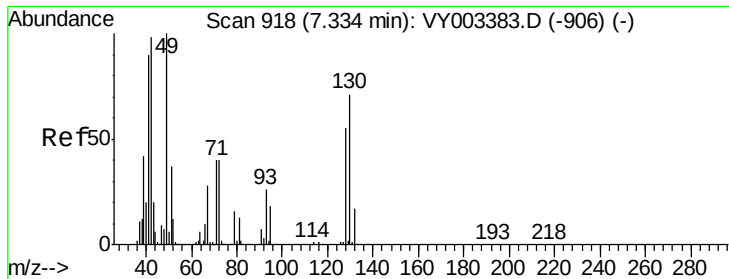
MMDadoda  
8/3/2020 12:37:29 PM



#40  
Benzene  
Concen: 100.530 ug/l  
RT: 8.16 min Scan# 1054  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.9  | 19.5  | 29.3  |





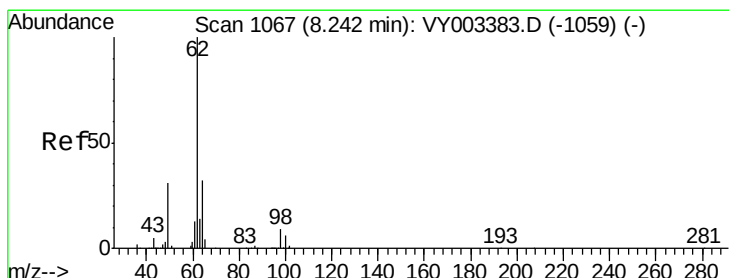
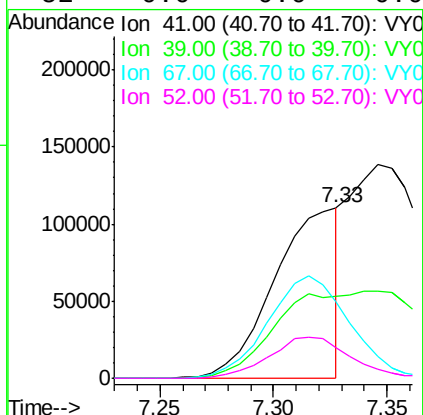
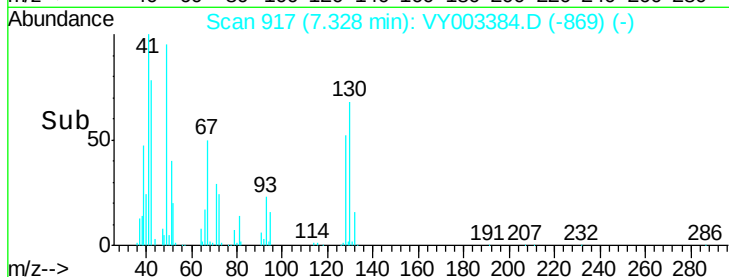
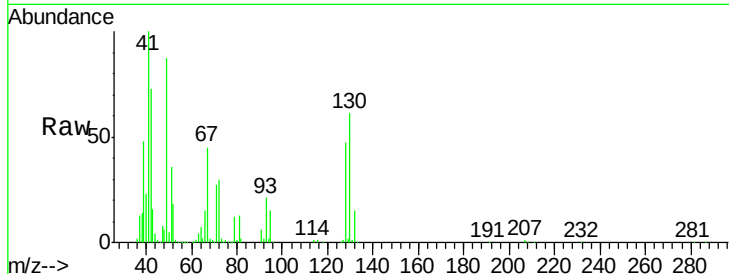
#41  
Methacrylonitrile  
Concen: 96.144 ug/l m  
RT: 7.33 min Scan# 917  
Delta R.T. -0.01 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

| Tot Ion   | 41    | Resp  | 220626 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 39        | 115.7 | 78.3  | 117.5  |
| 67        | 0.0   | 0.0   | 0.0    |
| 52        | 0.0   | 0.0   | 0.0    |

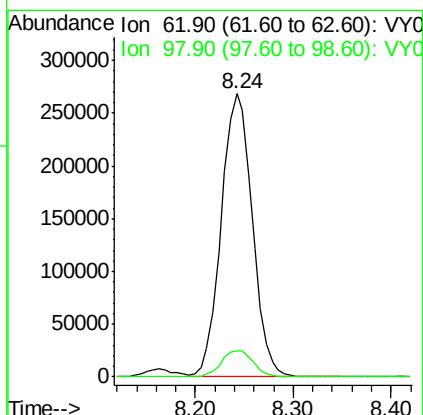
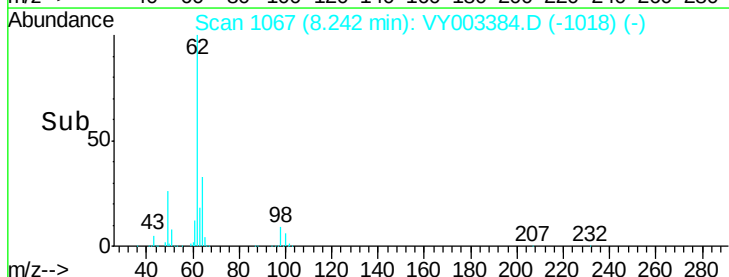
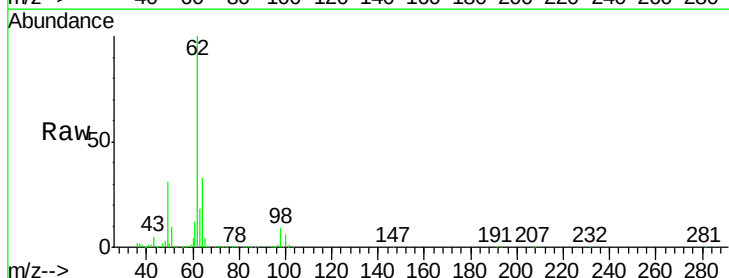
Manual Integrations  
APPROVED

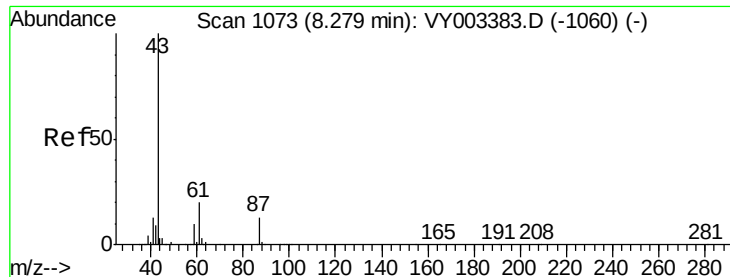
MMDadoda  
8/3/2020 12:37:29 PM



#42  
1,2-Dichloroethane  
Concen: 99.706 ug/l  
RT: 8.24 min Scan# 1067  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

| Tgt Ion   | 62    | Resp  | 591458 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 62        | 100   |       |        |
| 98        | 9.5   | 0.0   | 19.0   |





#43

Isopropyl Acetate

Concen: 106.956 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

Instrument :

MSVOA\_Y

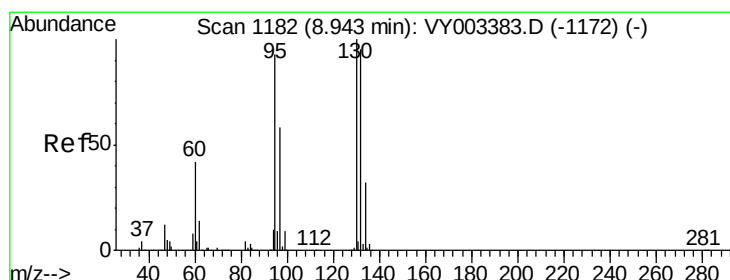
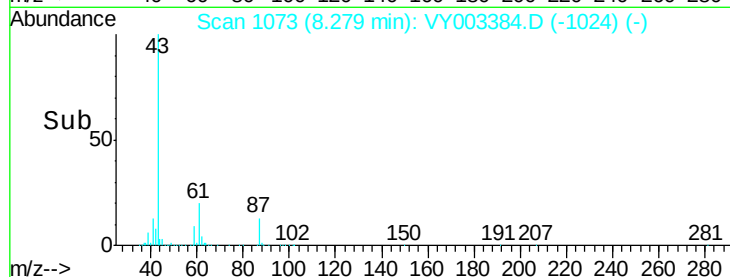
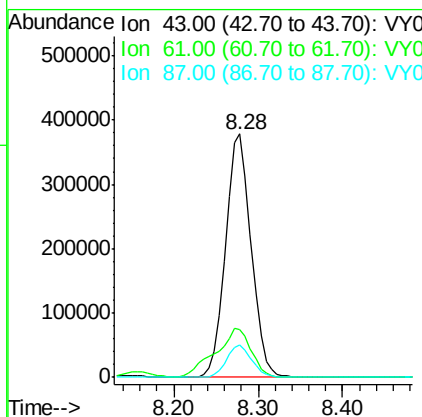
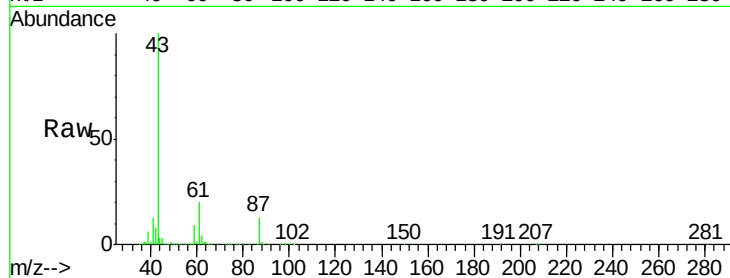
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 782068 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 28.4  | 23.0  | 34.4   |
| 87       | 13.1  | 10.5  | 15.7   |

Manual Integrations  
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MMDadoda  
8/3/2020 12:37:29 PM



#44

Trichloroethene

Concen: 94.913 ug/l

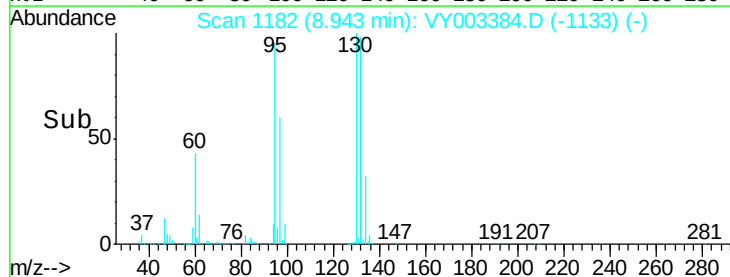
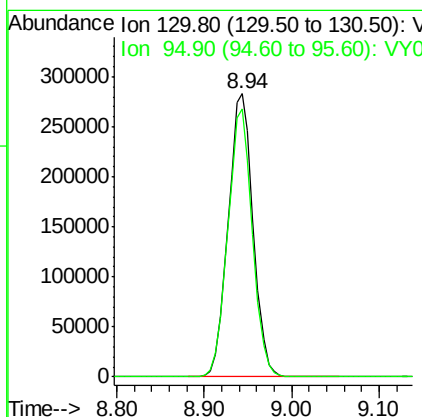
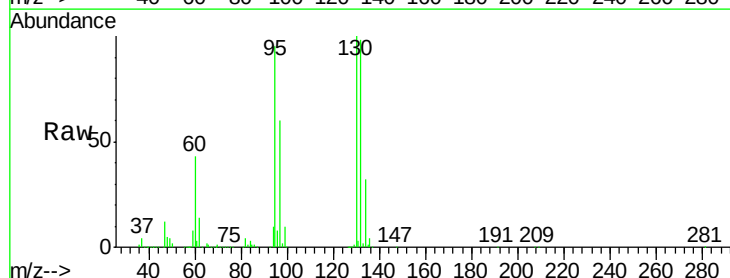
RT: 8.94 min Scan# 1182

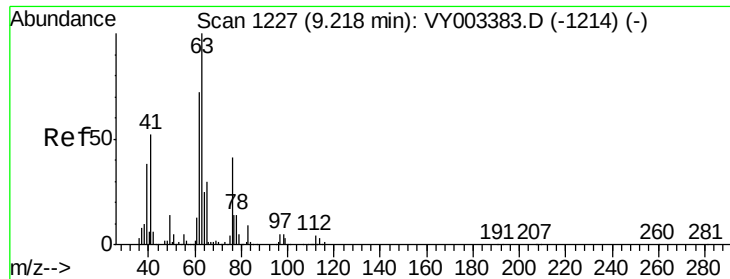
Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 557043 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 94.6  | 0.0   | 186.8  |





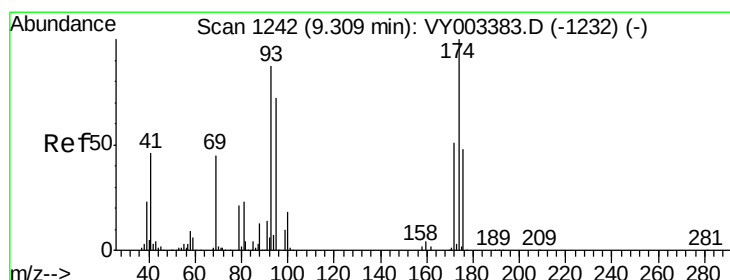
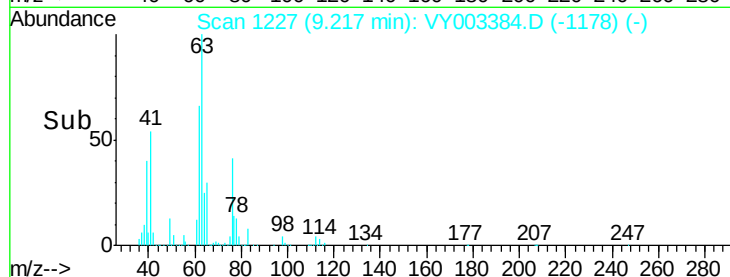
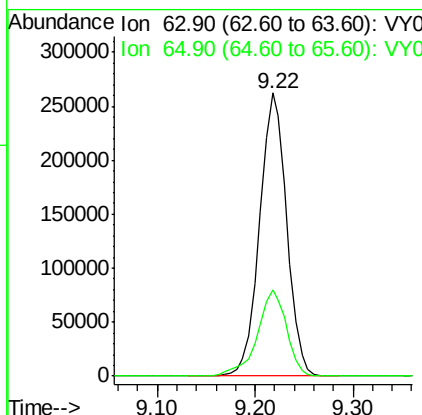
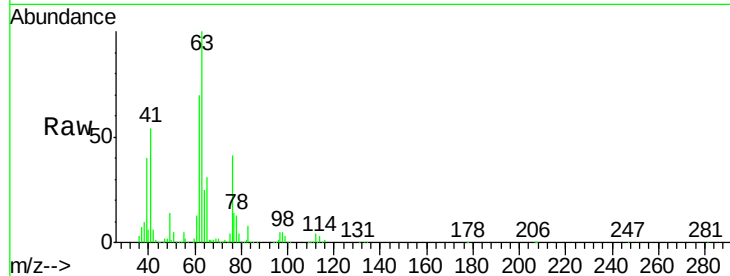
#45  
 1,2-Dichloropropane  
 Concen: 101.199 ug/l  
 RT: 9.22 min Scan# 1227  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC100

Tot Ion: 63 Resp: 507239  
 Ion Ratio Lower Upper  
 63 100  
 65 30.7 23.8 35.8

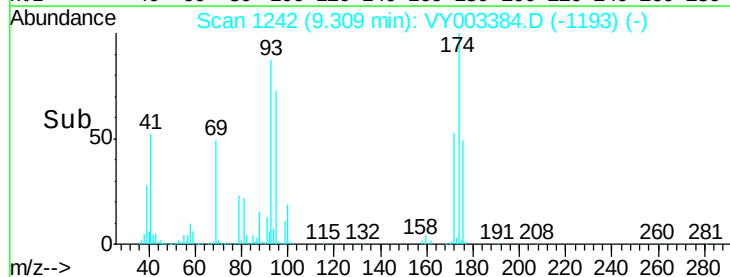
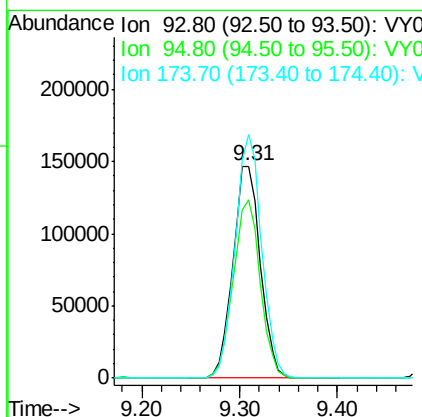
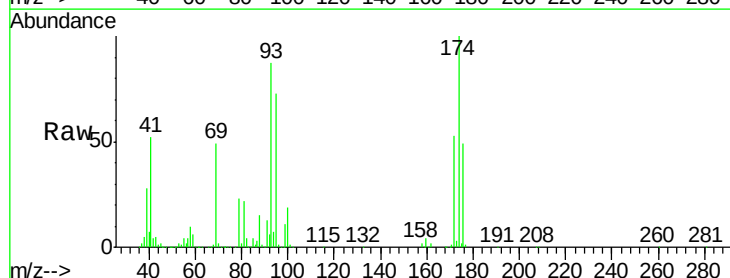
Manual Integrations  
 APPROVED

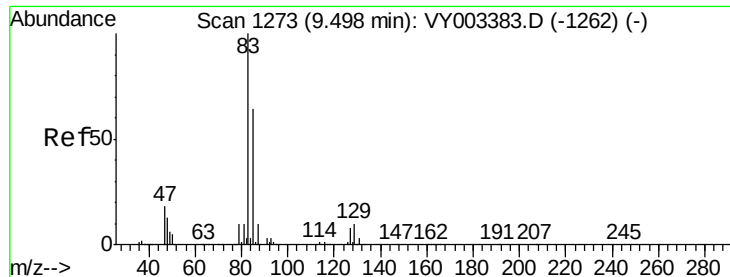
MMDadoda  
 8/3/2020 12:37:29 PM



#46  
 Dibromomethane  
 Concen: 98.846 ug/l  
 RT: 9.31 min Scan# 1242  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

Tgt Ion: 93 Resp: 285821  
 Ion Ratio Lower Upper  
 93 100  
 95 82.7 65.4 98.0  
 174 111.8 88.6 133.0





#47

Bromodichloromethane

Concen: 101.006 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

Instrument :

MSVOA\_Y

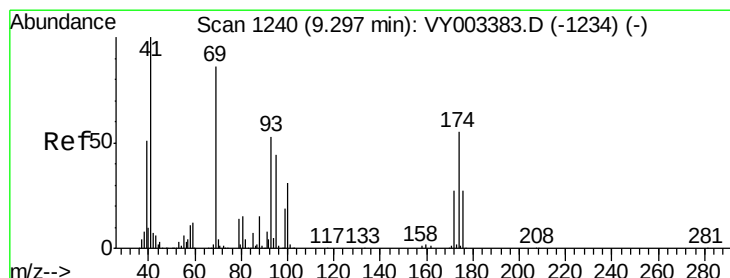
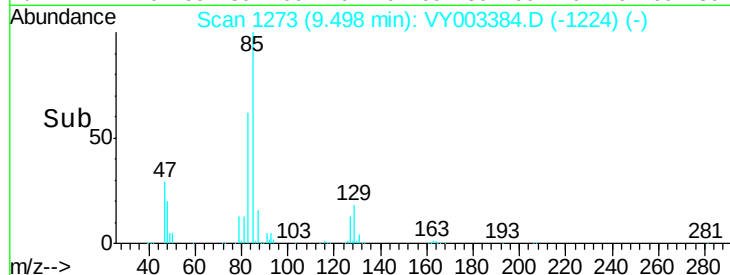
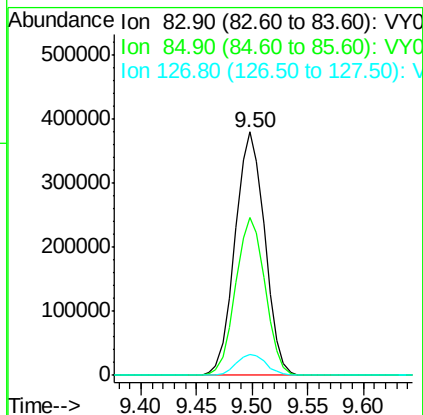
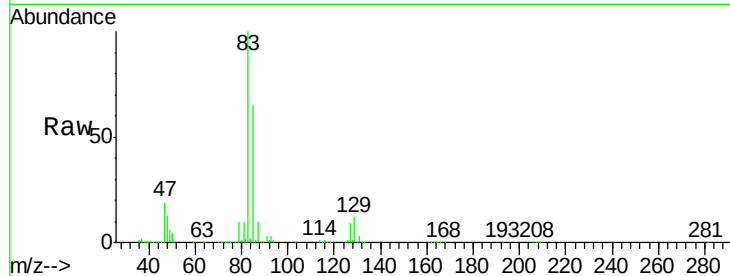
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 699738 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.7  | 51.6  | 77.4   |
| 127      | 8.5   | 6.5   | 9.7    |

Manual Integrations  
APPROVED

MMDadoda  
8/3/2020 12:37:29 PM



#48

Methyl methacrylate

Concen: 111.931 ug/l

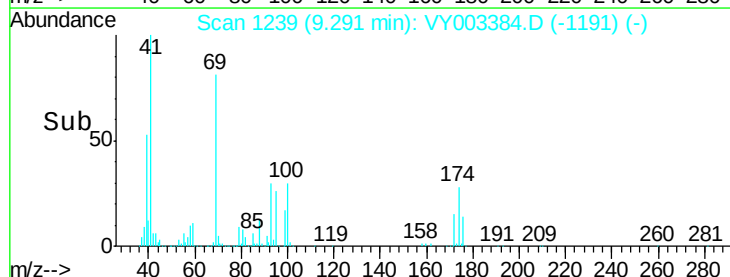
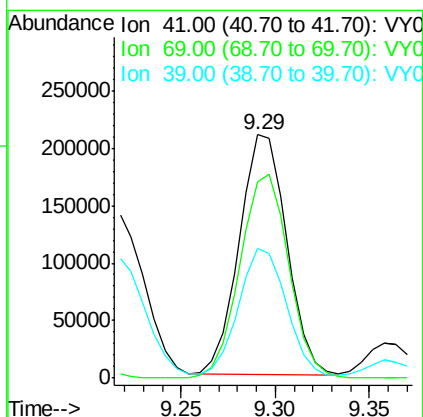
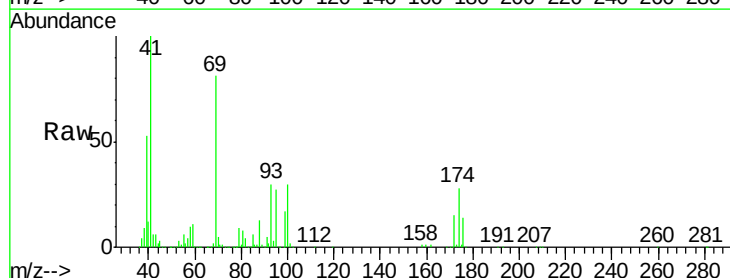
RT: 9.29 min Scan# 1239

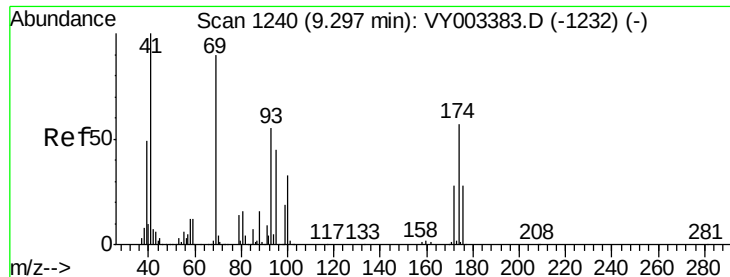
Delta R.T. -0.01 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 366484 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 87.1  | 68.9  | 103.3  |
| 39       | 52.7  | 43.1  | 64.7   |





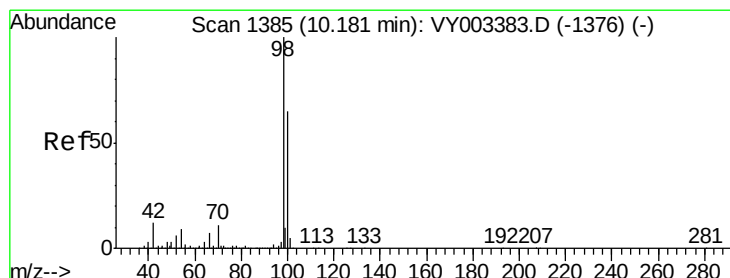
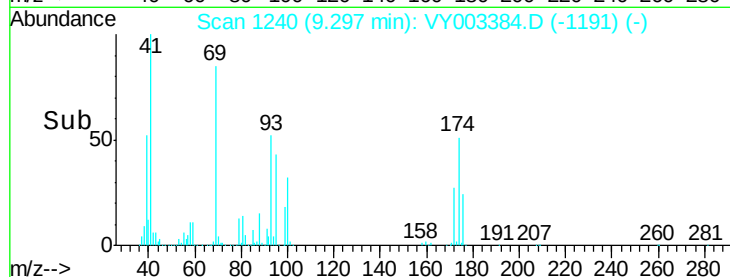
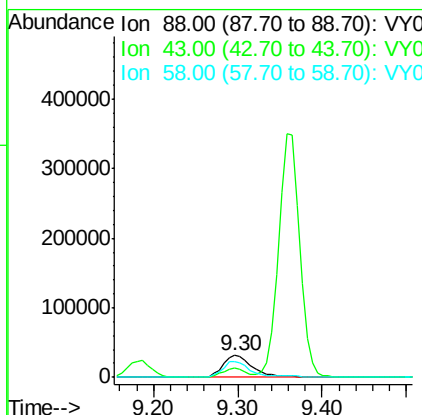
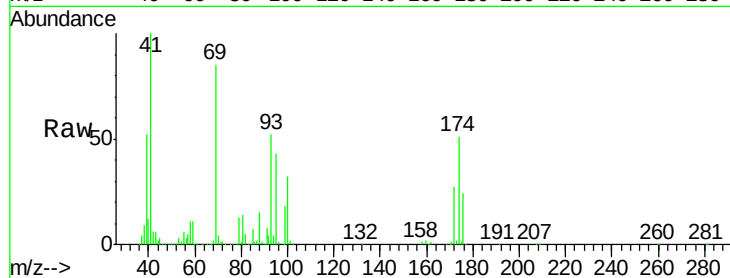
#49  
 1,4-Dioxane  
 Concen: 2142.851 ug/l  
 RT: 9.30 min Scan# 1240  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.6  | 24.9  | 37.3  |
| 58      | 71.4  | 54.3  | 81.5  |

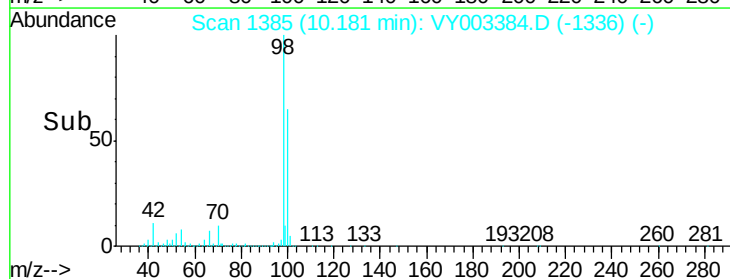
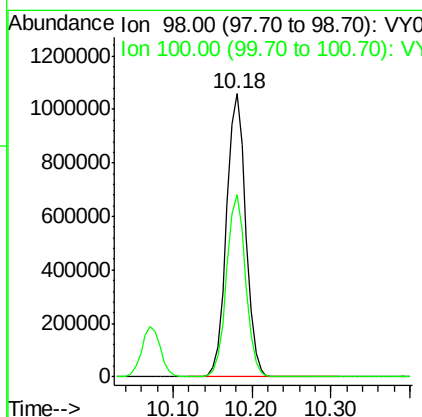
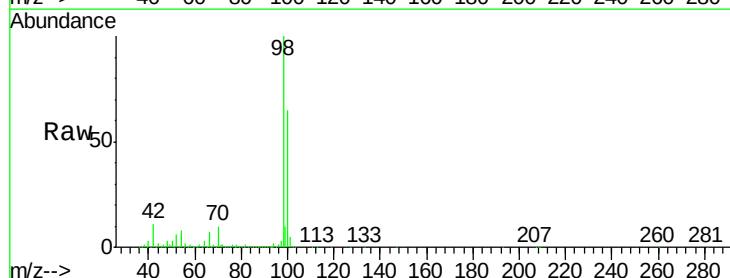
Manual Integrations  
 APPROVED

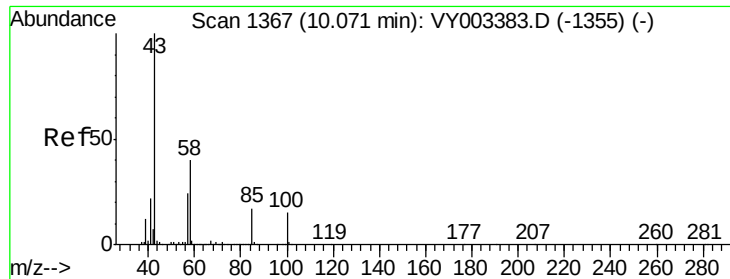
MMDadoda  
 8/3/2020 12:37:29 PM



#50  
 Toluene-d8  
 Concen: 106.100 ug/l  
 RT: 10.18 min Scan# 1385  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.1  | 51.3  | 76.9  |





#51

4-Methyl-2-Pentanone

Concen: 541.891 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 2060735

Ion Ratio Lower Upper

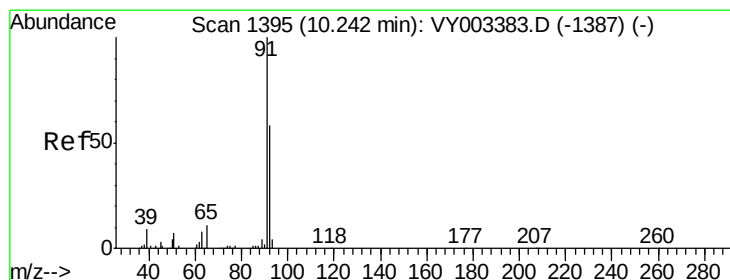
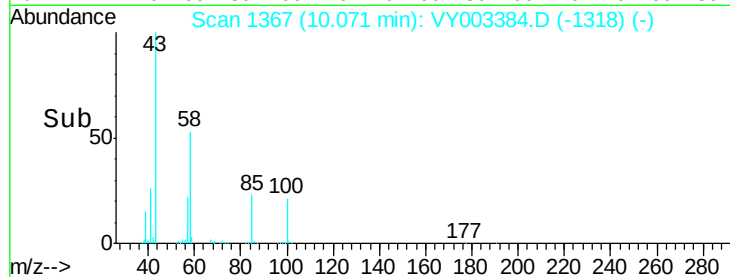
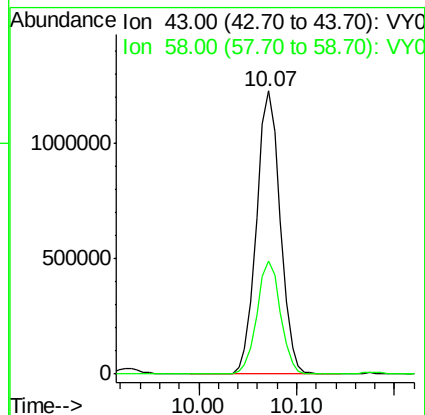
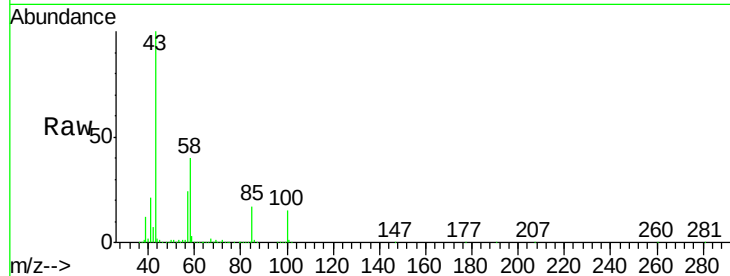
43 100

58 39.8 31.6 47.4

Manual Integrations  
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#52

Toluene

Concen: 99.586 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003384.D

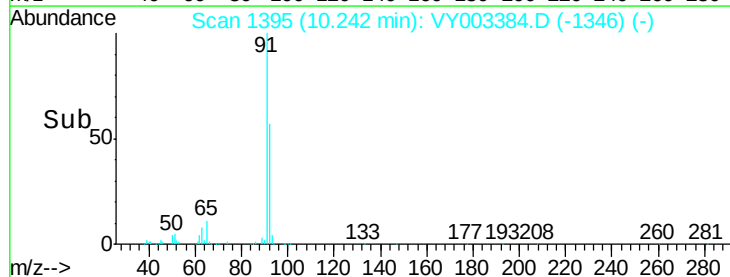
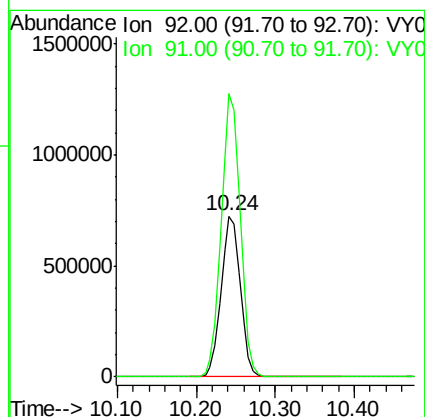
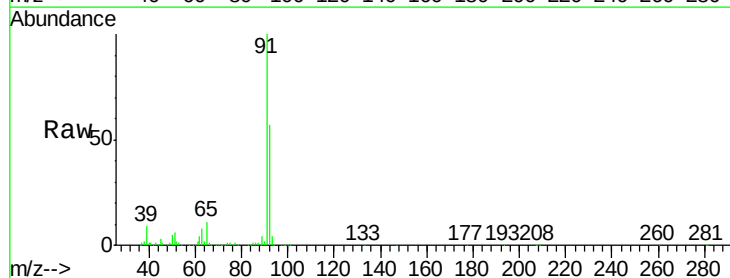
Acq: 31 Jul 2020 12:30

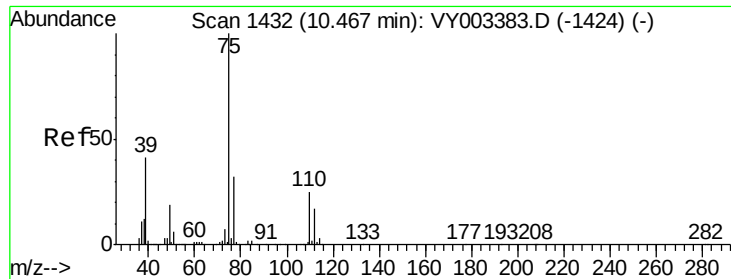
Tgt Ion: 92 Resp: 1228045

Ion Ratio Lower Upper

92 100

91 175.2 139.4 209.0





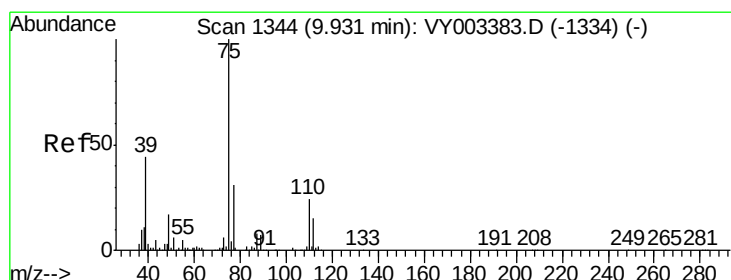
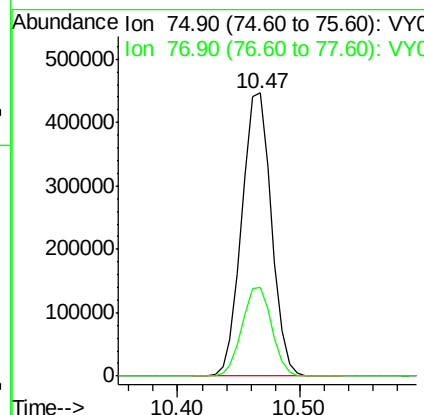
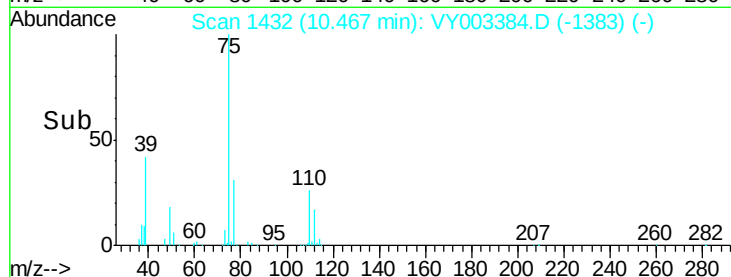
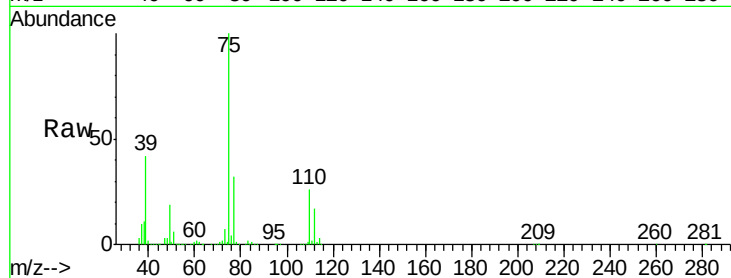
#53  
t-1,3-Dichloropropene  
Concen: 104.184 ug/l  
RT: 10.47 min Scan# 1432  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

Instrument :  
MSVOA\_Y  
ClientSampled :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.6  | 25.4  | 38.2  |

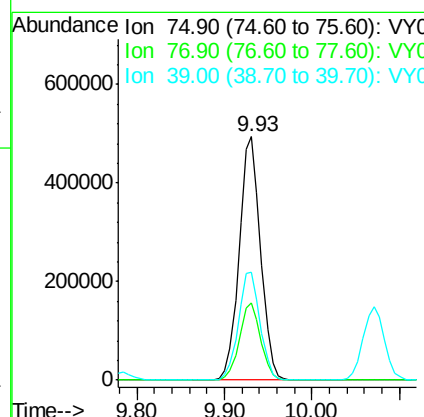
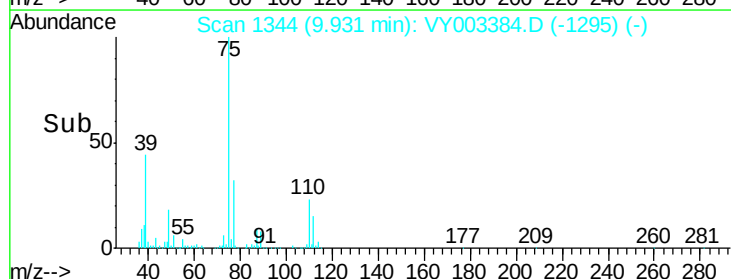
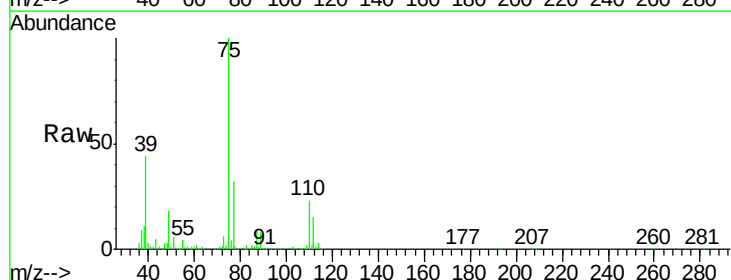
Manual Integrations  
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8/3/2020 12:37:29 PM

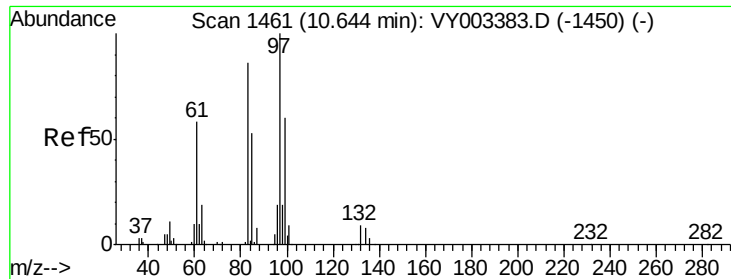


#54  
cis-1,3-Dichloropropene  
Concen: 101.692 ug/l  
RT: 9.93 min Scan# 1344  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.6  | 24.8  | 37.2  |
| 39      | 44.3  | 34.8  | 52.2  |







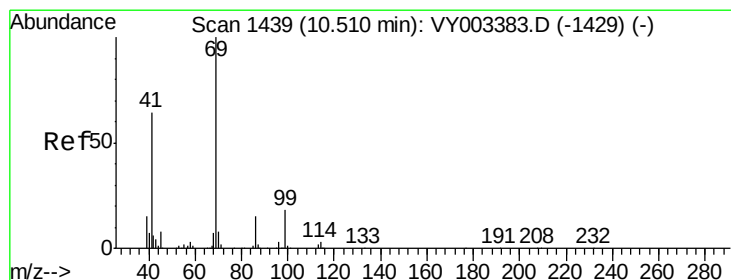
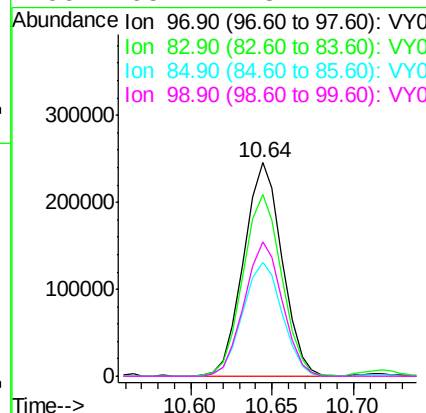
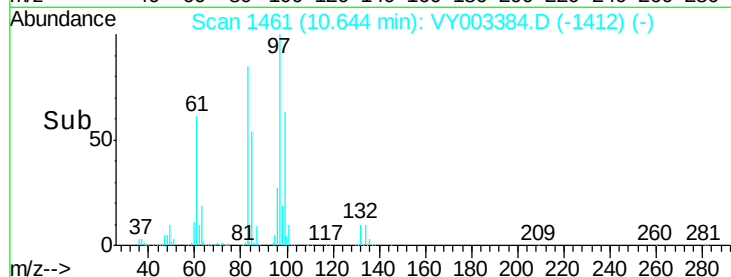
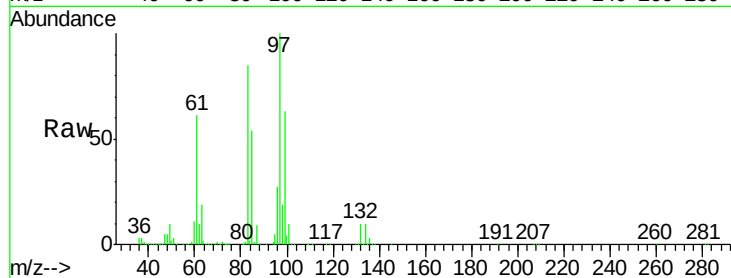
#55  
 1,1,2-Trichloroethane  
 Concen: 97.765 ug/l  
 RT: 10.64 min Scan# 1461  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 402894 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.4  | 69.1  | 103.7  |
| 85       | 53.6  | 42.5  | 63.7   |
| 99       | 63.2  | 48.2  | 72.4   |

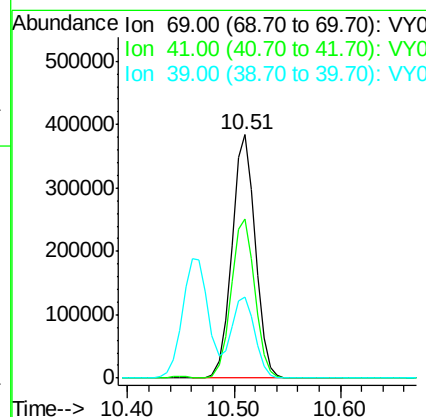
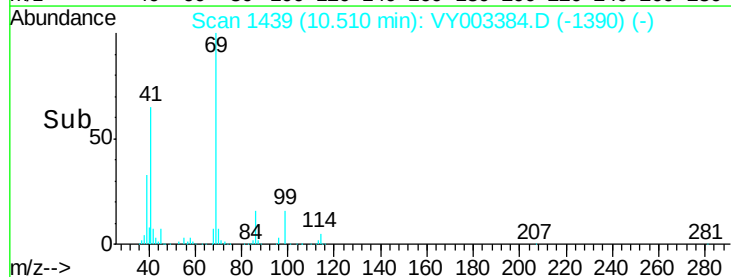
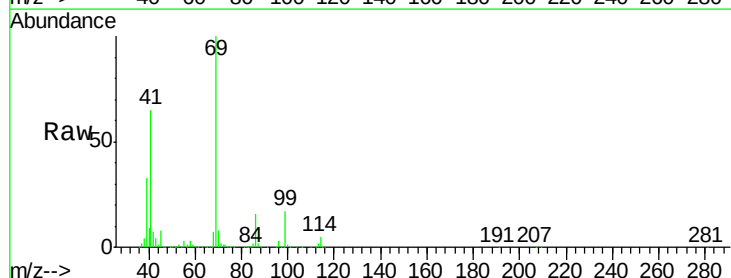
Manual Integrations  
 APPROVED

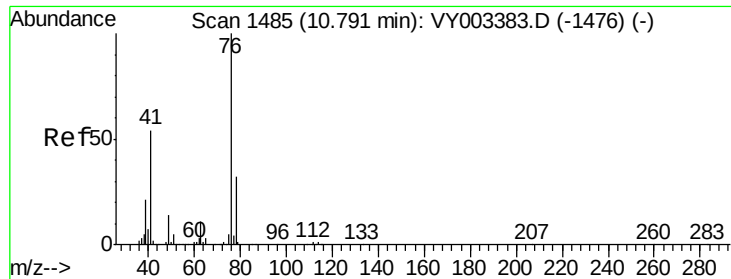
MMDadoda  
 8/3/2020 12:37:29 PM



#56  
 Ethyl methacrylate  
 Concen: 105.751 ug/l  
 RT: 10.51 min Scan# 1439  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 590289 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 66.0  | 52.2  | 78.4   |
| 39       | 33.8  | 24.7  | 37.1   |





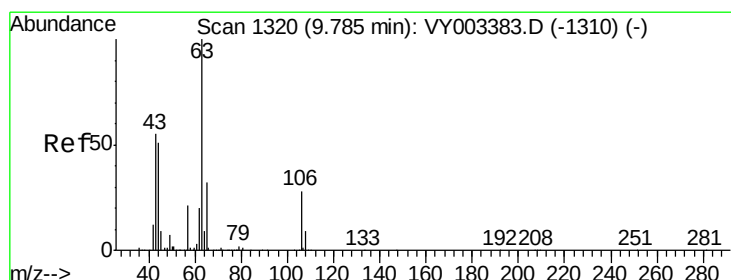
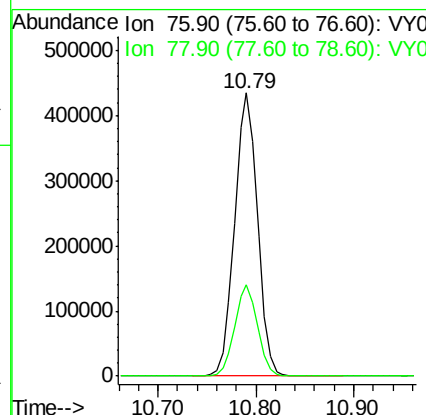
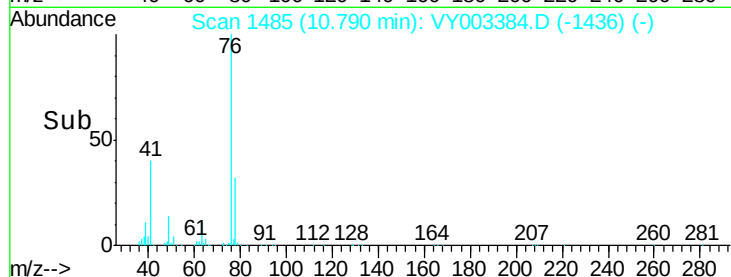
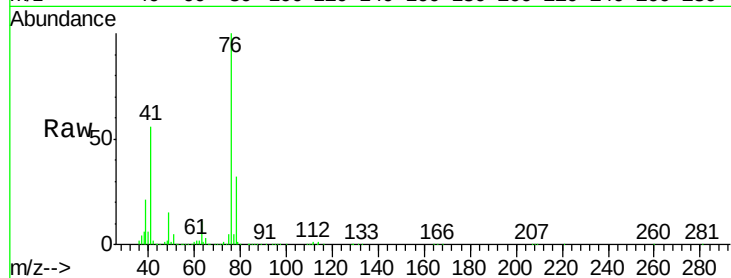
#57  
 1,3-Dichloropropane  
 Concen: 100.564 ug/l  
 RT: 10.79 min Scan# 1485  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.1  | 26.1  | 39.1  |

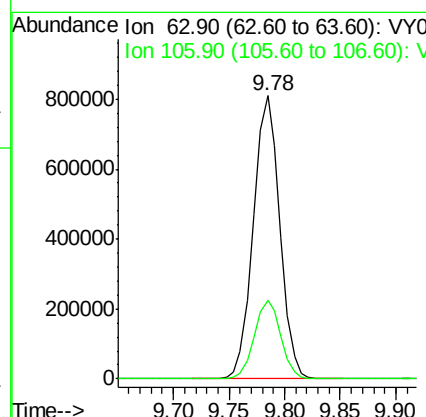
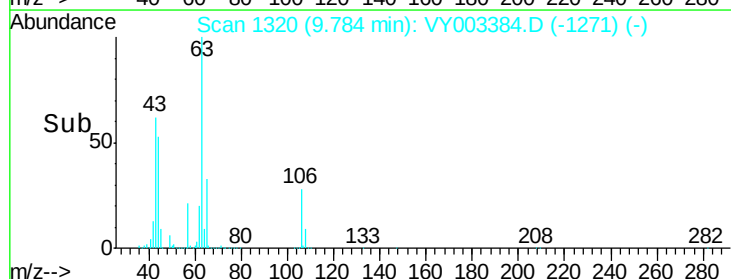
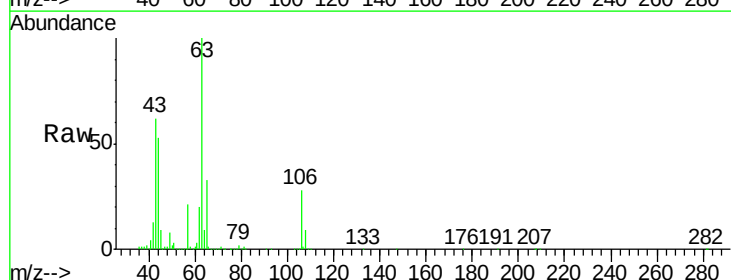
Manual Integrations  
 APPROVED

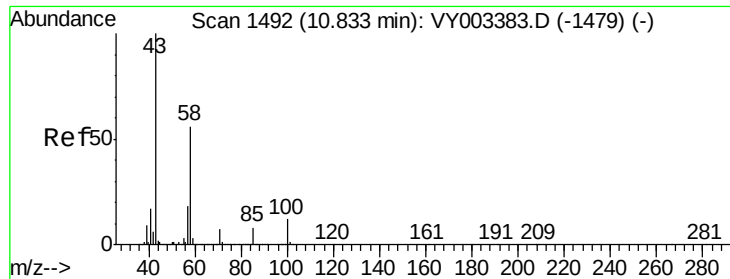
MMDadoda  
 8/3/2020 12:37:29 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 482.601 ug/l  
 RT: 9.78 min Scan# 1320  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 27.6  | 21.8  | 32.6  |





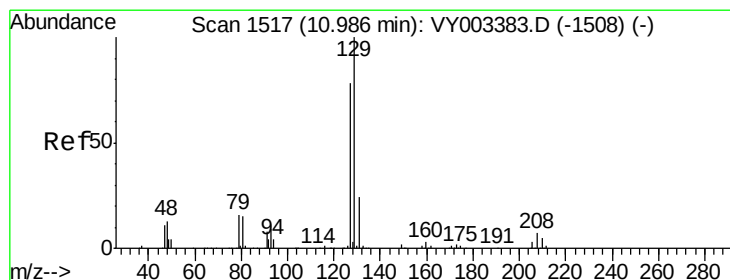
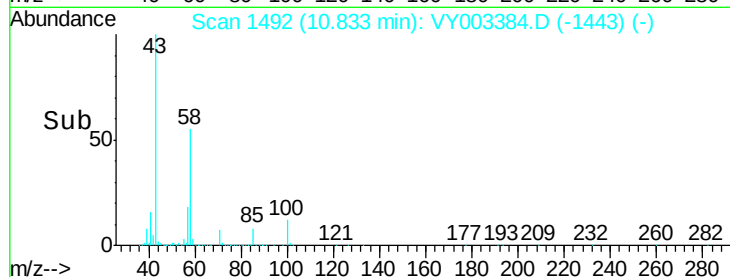
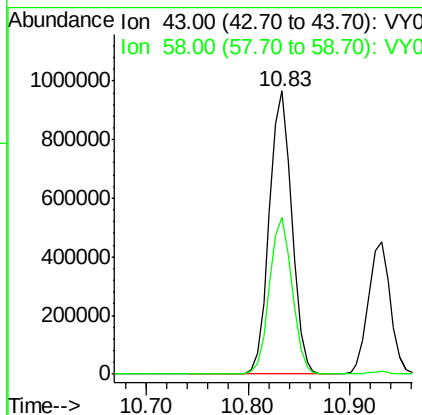
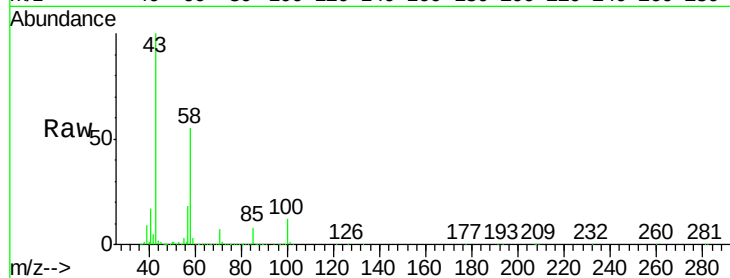
#59  
2-Hexanone  
Concen: 553.637 ug/l  
RT: 10.83 min Scan# 1492  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

Tot Ion: 43 Resp: 1470480  
Ion Ratio Lower Upper  
43 100  
58 55.7 27.6 82.8

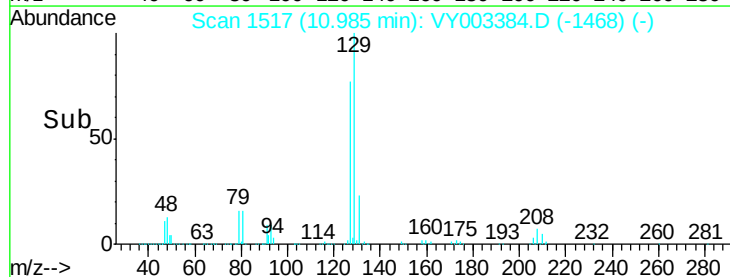
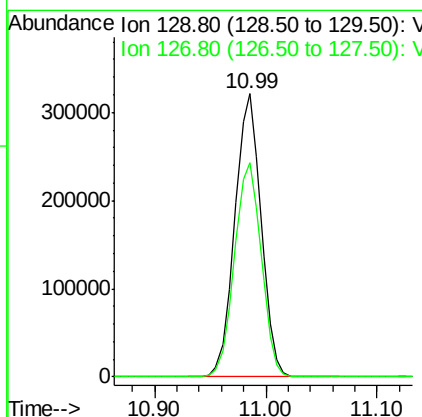
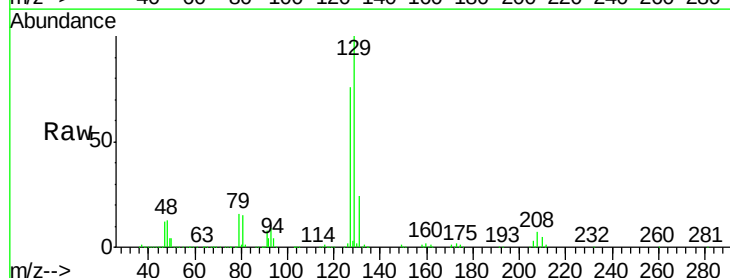
Manual Integrations  
APPROVED

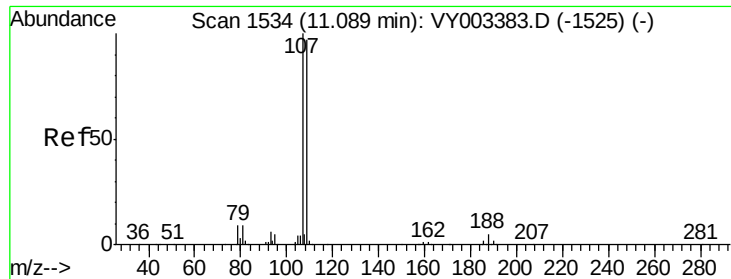
MMDadoda  
8/3/2020 12:37:29 PM



#60  
Dibromochloromethane  
Concen: 101.239 ug/l  
RT: 10.99 min Scan# 1517  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

Tgt Ion: 129 Resp: 523432  
Ion Ratio Lower Upper  
129 100  
127 77.1 38.7 116.1





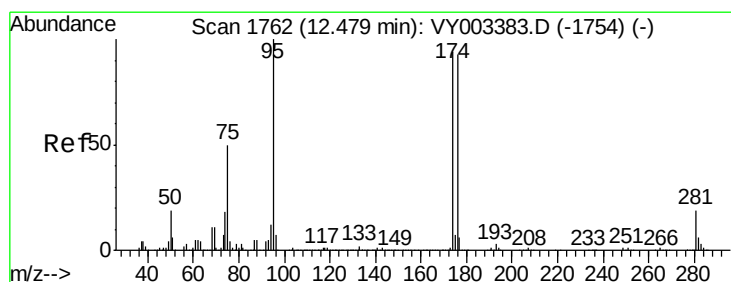
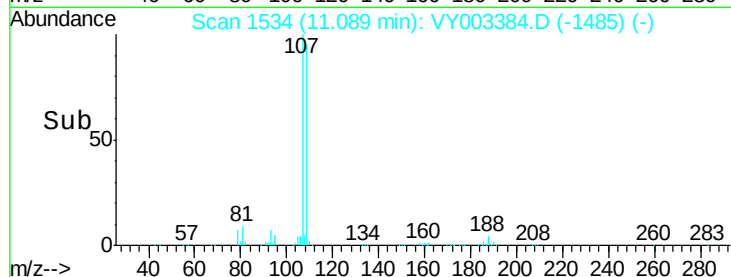
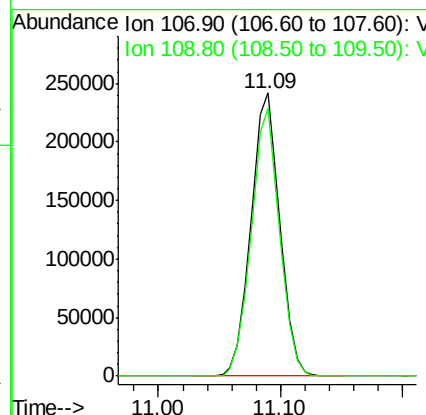
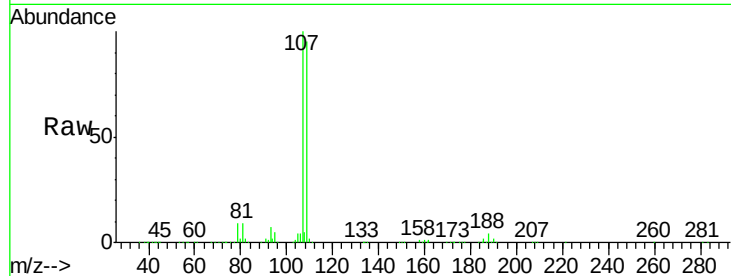
#61  
 1,2-Dibromoethane  
 Concen: 98.216 ug/l  
 RT: 11.09 min Scan# 1534  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.0  | 75.5  | 113.3 |

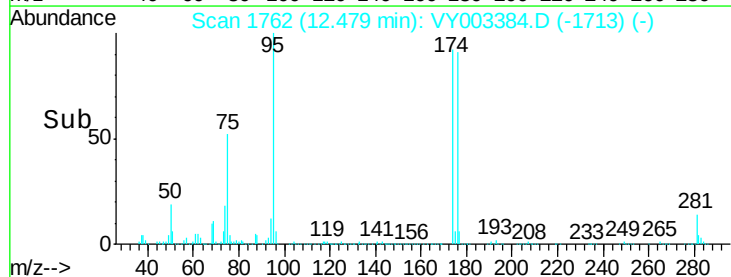
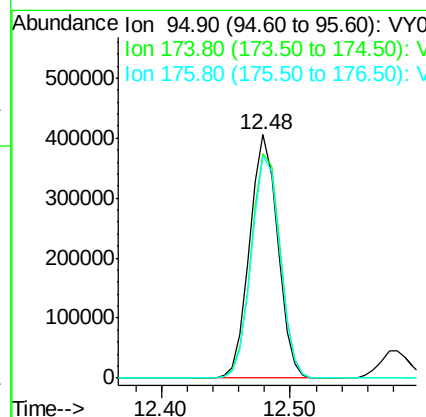
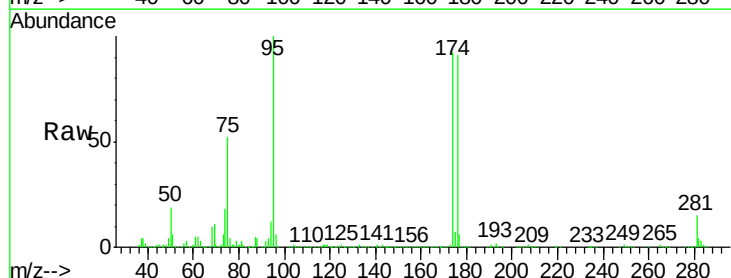
Manual Integrations  
 APPROVED

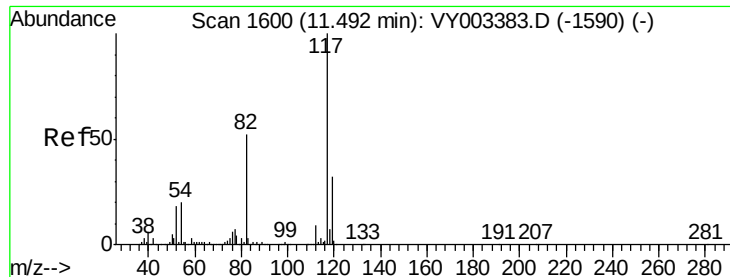
MMDadoda  
 8/3/2020 12:37:29 PM



#62  
 4-Bromofluorobenzene  
 Concen: 100.700 ug/l  
 RT: 12.48 min Scan# 1762  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 95.6  | 0.0   | 190.0 |
| 176     | 92.5  | 0.0   | 184.4 |





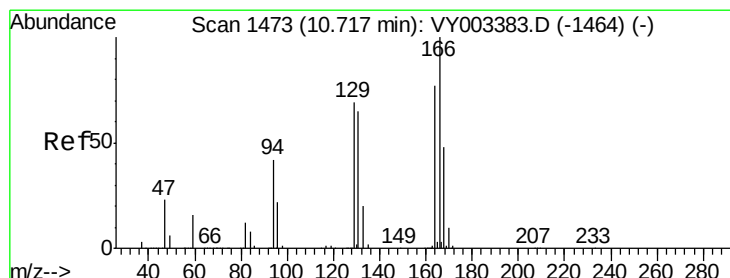
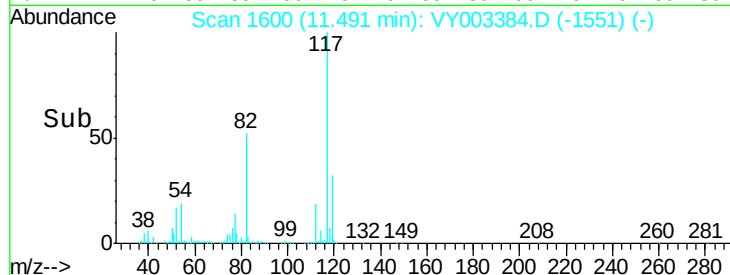
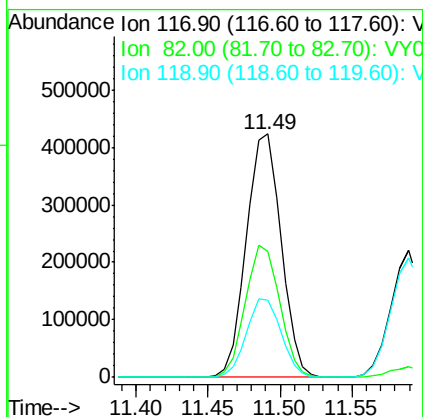
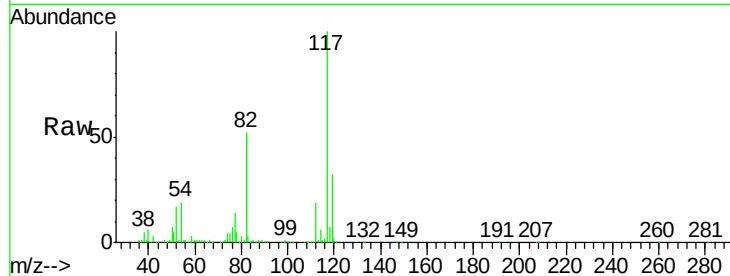
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

Instrument :  
MSVOA\_Y  
ClientSampled :  
VSTDICC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 707018 |       |       |
| 82      | 51.7  |        | 41.9  | 62.9  |
| 119     | 31.9  |        | 25.4  | 38.0  |

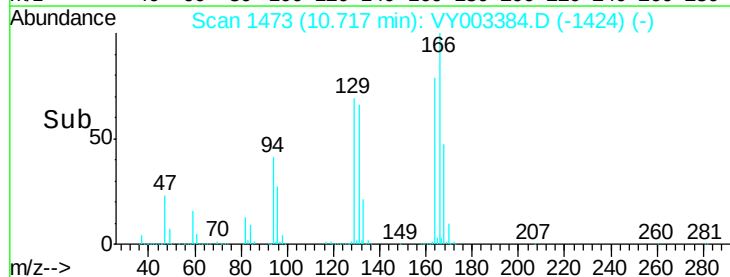
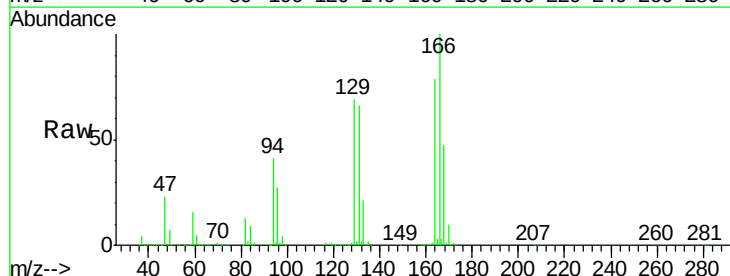
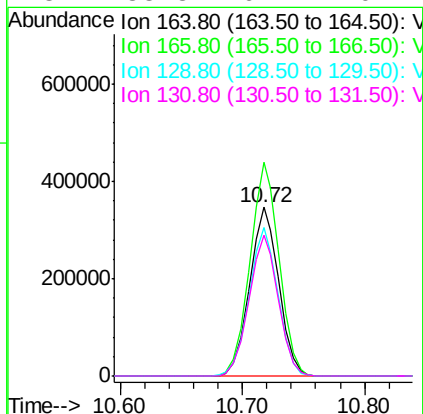
Manual Integrations  
APPROVED

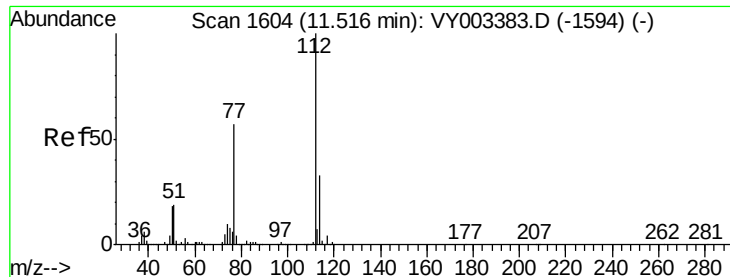
MMDadoda  
8/3/2020 12:37:29 PM



#64  
Tetrachloroethene  
Concen: 90.794 ug/l  
RT: 10.72 min Scan# 1473  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 573598 |       |       |
| 166     | 126.8 |        | 103.3 | 154.9 |
| 129     | 88.0  |        | 71.2  | 106.8 |
| 131     | 83.3  |        | 67.4  | 101.2 |





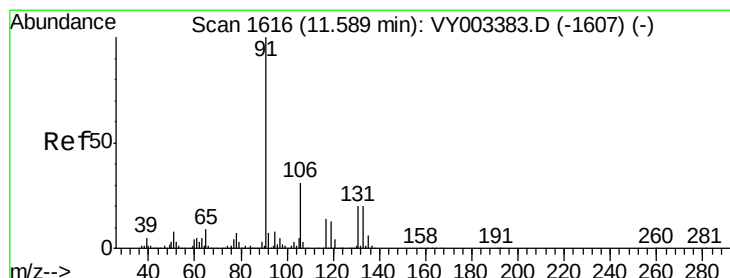
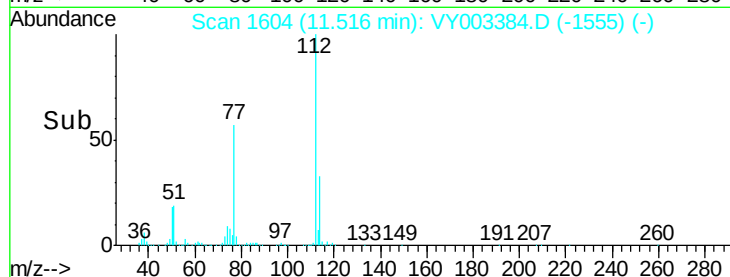
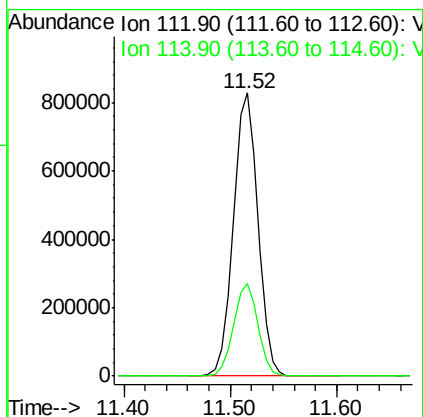
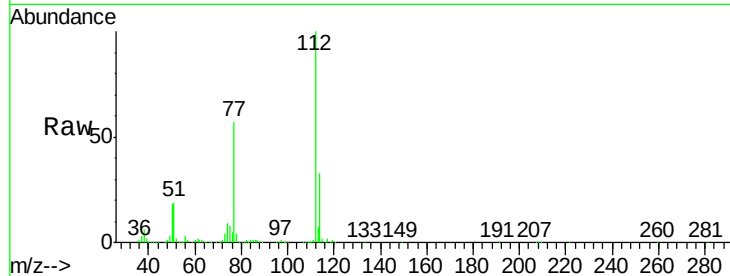
#65  
Chlorobenzene  
Concen: 96.860 ug/l  
RT: 11.52 min Scan# 1604  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

Tot Ion:112 Resp: 1339999  
Ion Ratio Lower Upper  
112 100  
114 32.8 26.1 39.1

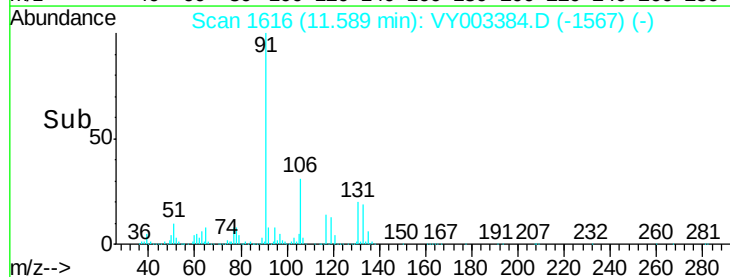
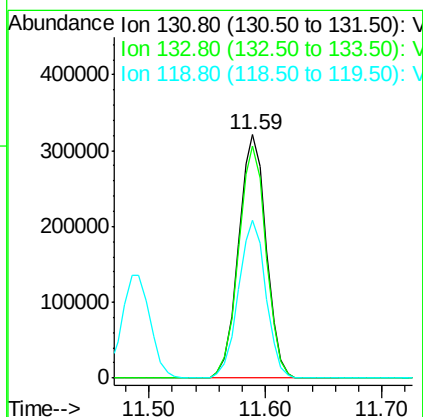
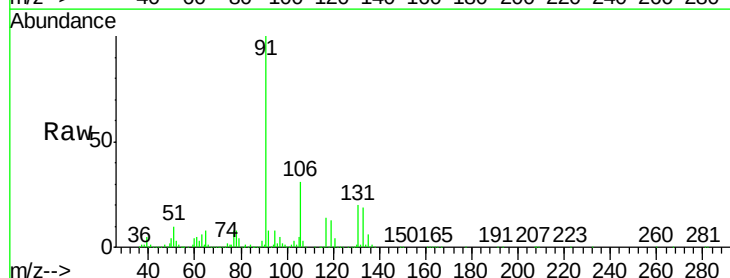
Manual Integrations  
APPROVED

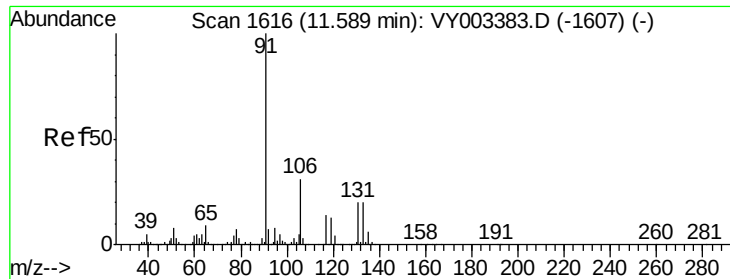
MMDadoda  
8/3/2020 12:37:29 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 98.561 ug/l  
RT: 11.59 min Scan# 1616  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

Tgt Ion:131 Resp: 529996  
Ion Ratio Lower Upper  
131 100  
133 95.1 48.1 144.3  
119 64.2 32.0 96.2





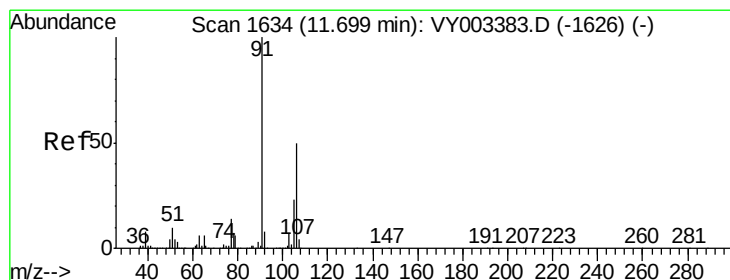
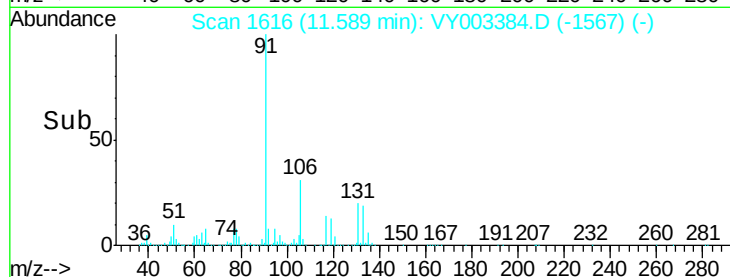
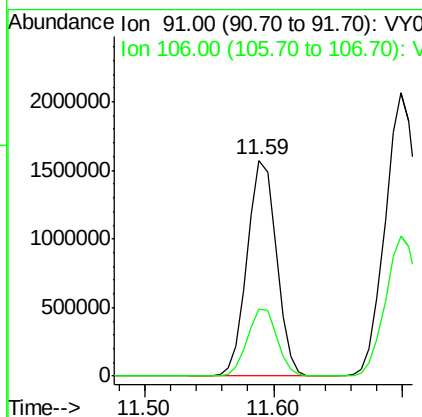
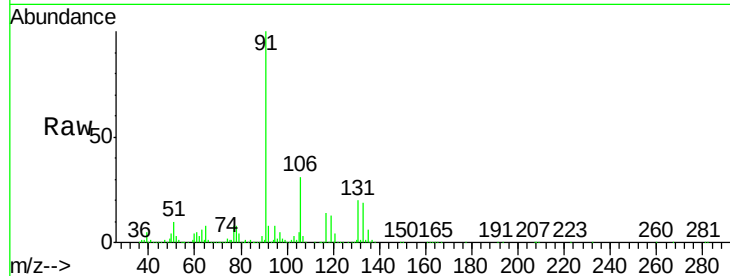
#67  
Ethyl Benzene  
Concen: 99.515 ug/l  
RT: 11.59 min Scan# 1616  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

Tot Ion: 91 Resp: 2464817  
Ion Ratio Lower Upper  
91 100  
106 31.1 24.4 36.6

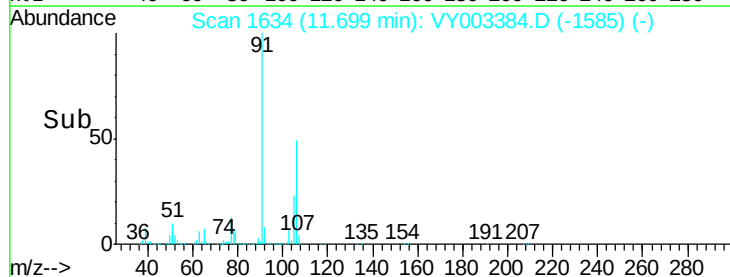
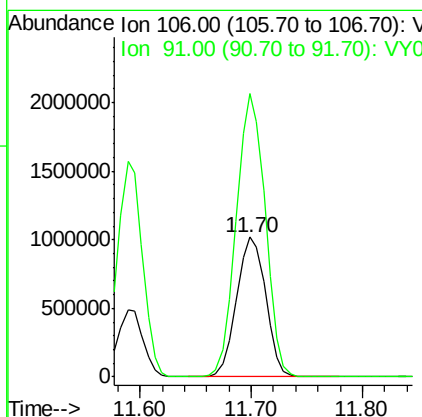
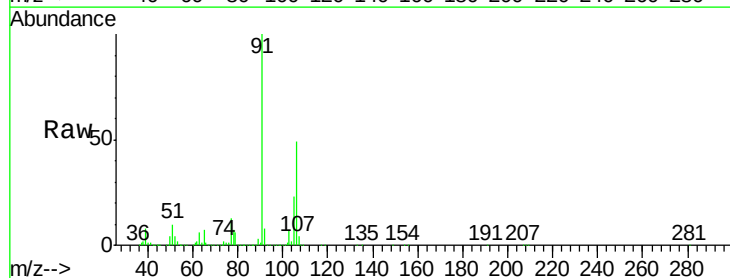
Manual Integrations  
APPROVED

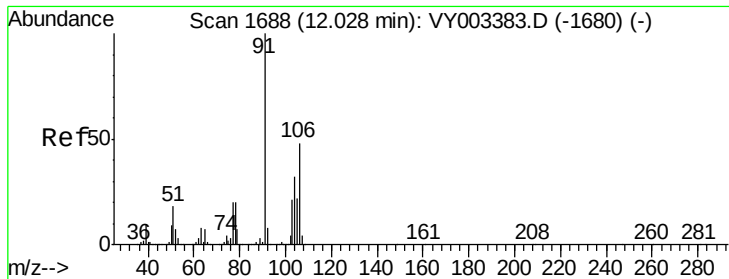
MMDadoda  
8/3/2020 12:37:29 PM



#68  
m/p-Xylenes  
Concen: 196.819 ug/l  
RT: 11.70 min Scan# 1634  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

Tgt Ion: 106 Resp: 1847586  
Ion Ratio Lower Upper  
106 100  
91 200.6 161.0 241.6





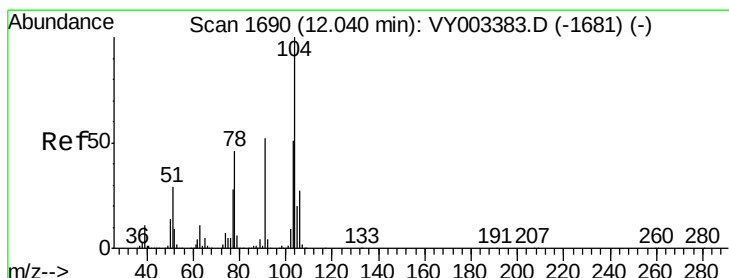
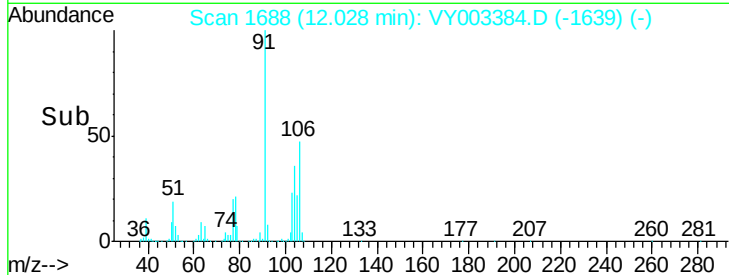
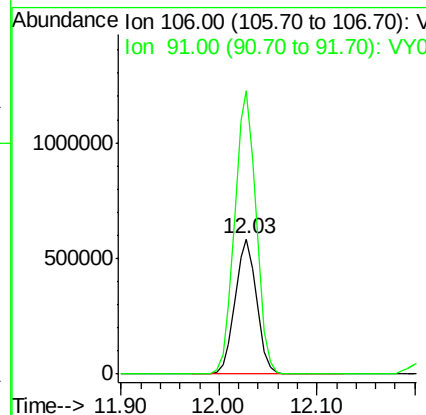
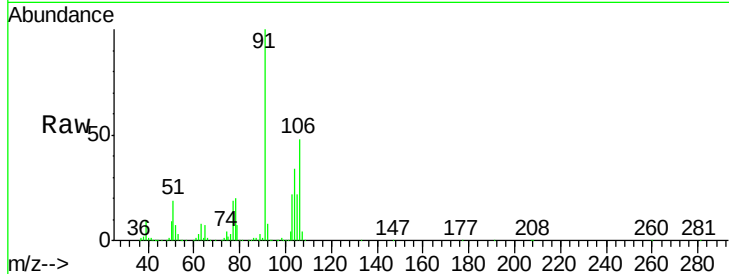
#69  
o-Xylene  
Concen: 100.738 ug/l  
RT: 12.03 min Scan# 1688  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 884602  | 106 | 100   |       |       |
|         | 91  | 209.8 | 104.6 | 313.7 |

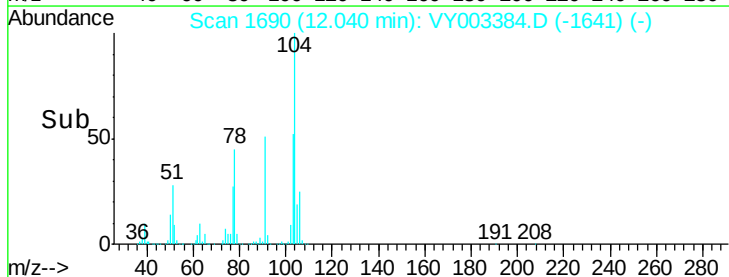
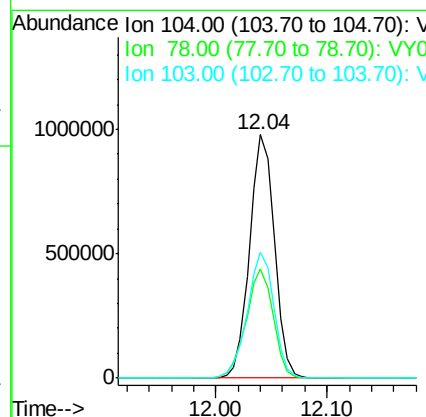
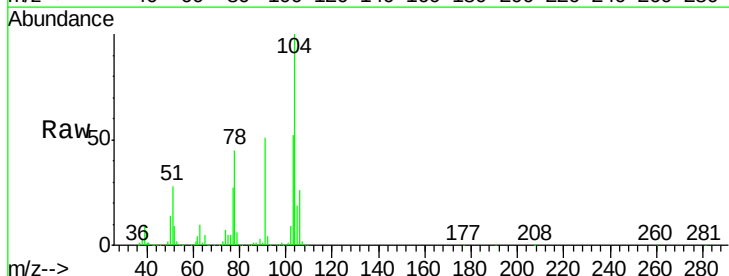
Manual Integrations  
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8/3/2020 12:37:29 PM

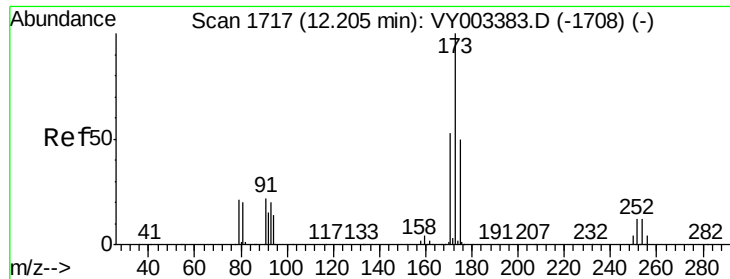


#70  
Styrene  
Concen: 101.374 ug/l  
RT: 12.04 min Scan# 1690  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 1522416 | 104 | 100   |       |       |
|         | 78  | 48.6  | 39.3  | 58.9  |
|         | 103 | 55.4  | 43.7  | 65.5  |







#71

Bromoform

Concen: 100.255 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 351457

Ion Ratio Lower Upper

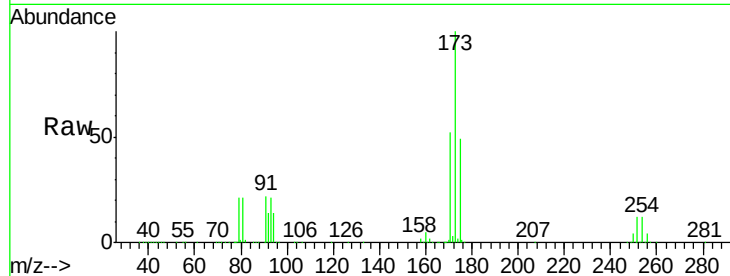
173 100

175 48.3 24.1 72.2

254 0.3 0.2 0.2#

Manual Integrations  
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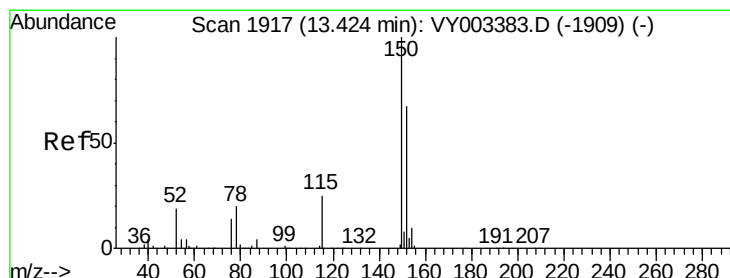
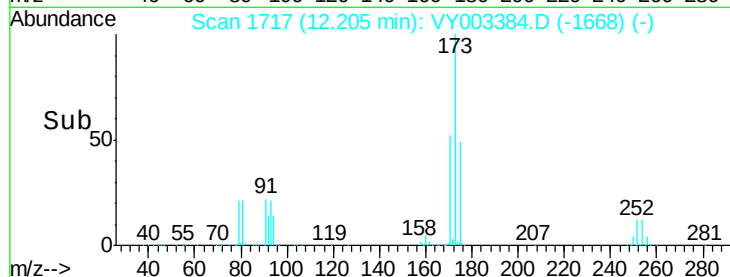
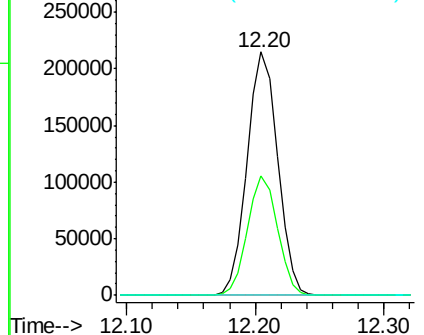
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

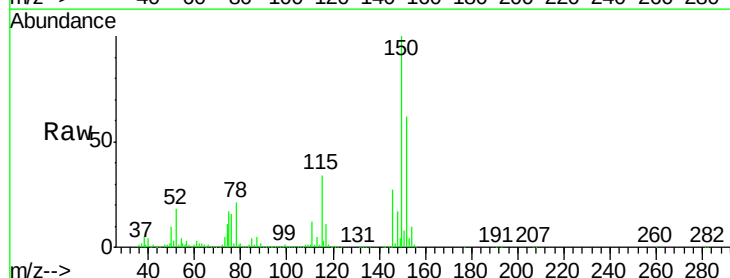
Tgt Ion:152 Resp: 370638

Ion Ratio Lower Upper

152 100

115 54.7 27.2 81.5

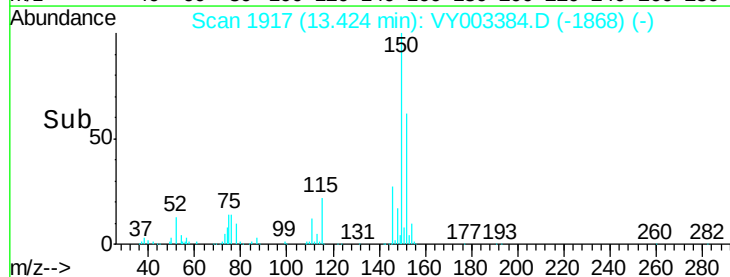
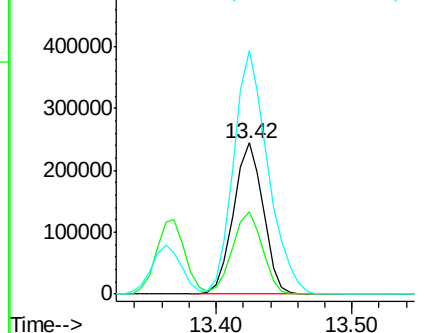
150 187.1 0.0 346.8

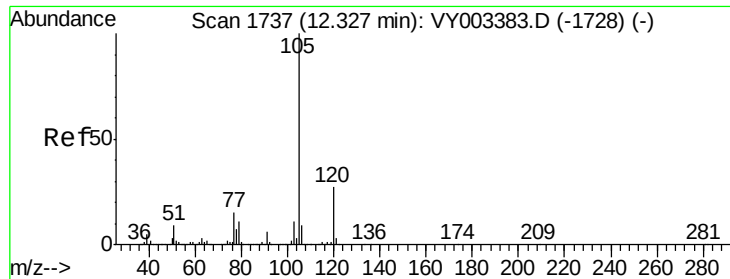


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 99.493 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2388440

Ion Ratio Lower Upper

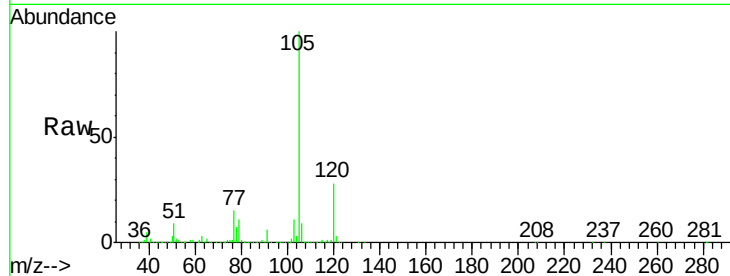
105 100

120 27.0 13.5 40.4

Manual Integrations  
APPROVED

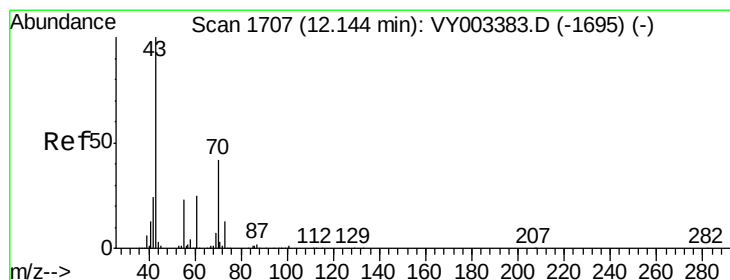
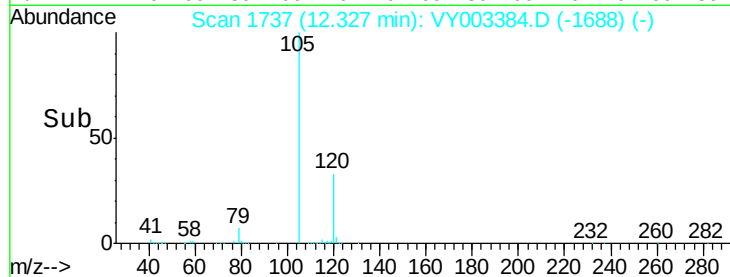
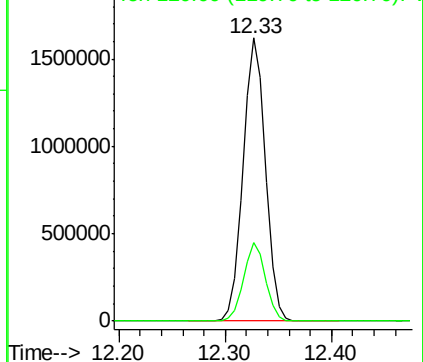
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 106.375 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

Tgt Ion: 43 Resp: 718433

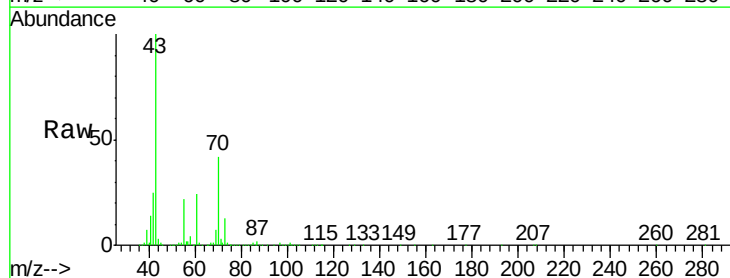
Ion Ratio Lower Upper

43 100

70 42.6 33.6 50.4

55 23.0 18.5 27.7

61 24.9 19.8 29.8

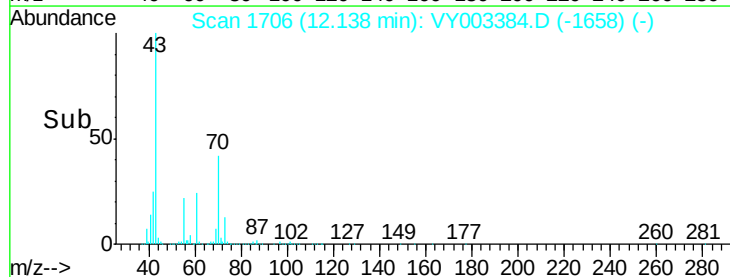
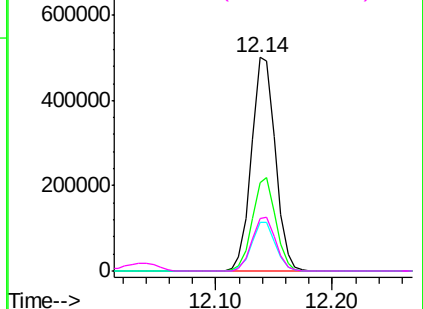


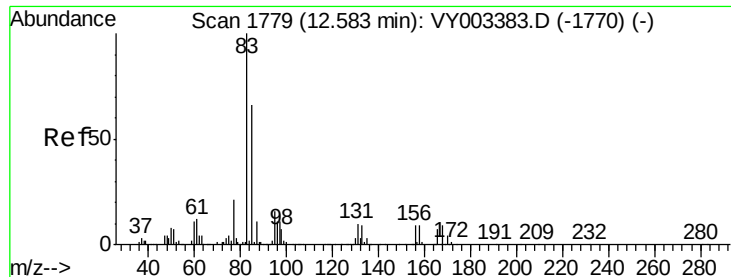
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 100.363 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

Instrument :

MSVOA\_Y

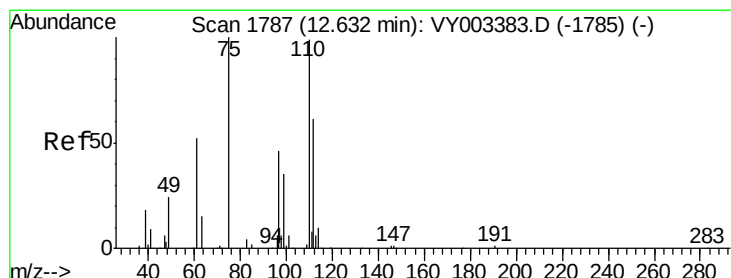
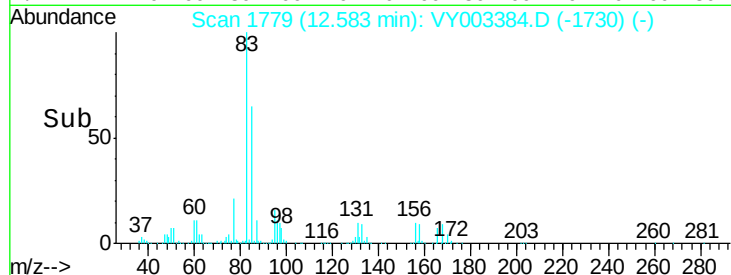
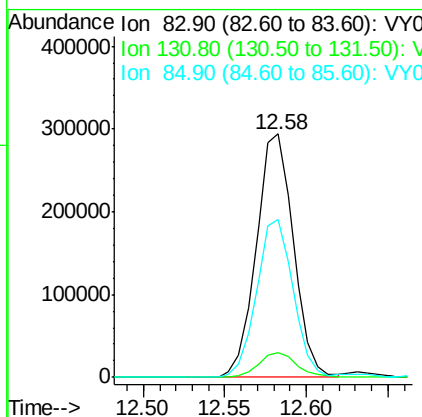
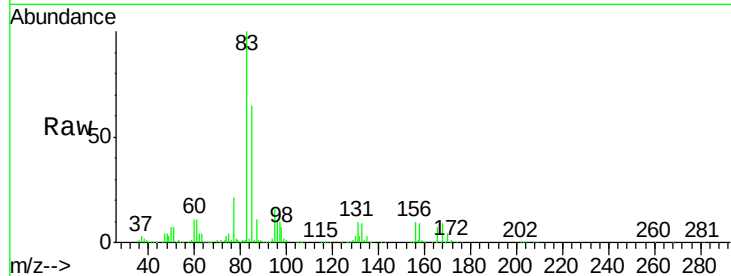
ClientSampleId :

VSTDICC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 465383 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.6  | 5.3   | 16.1   |
| 85        | 64.3  | 31.9  | 95.5   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 98.057 ug/l m

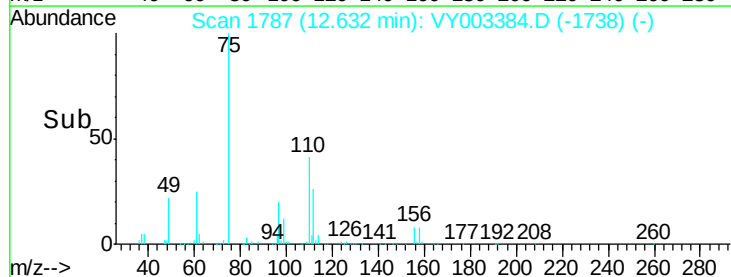
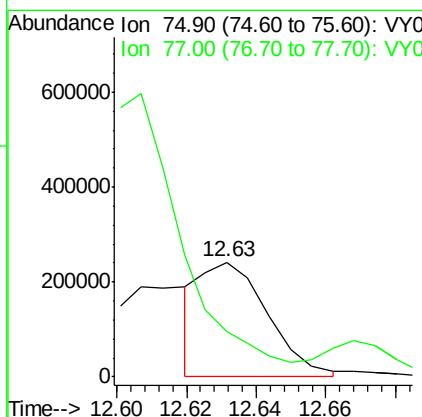
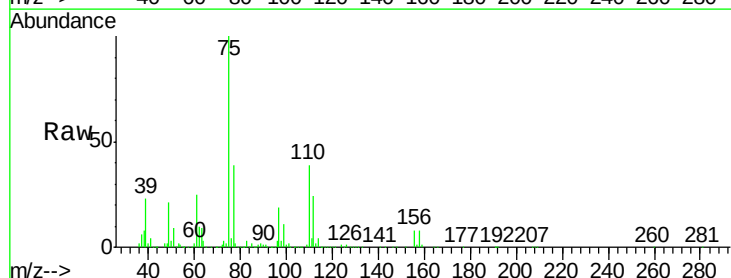
RT: 12.63 min Scan# 1787

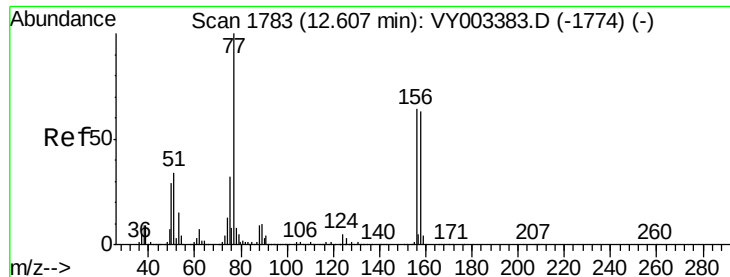
Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 324764 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 99.137 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

Instrument :

MSVOA\_Y

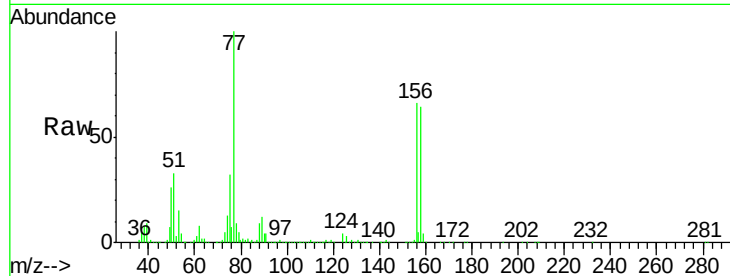
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 605861 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 173.6 | 87.5  | 262.5  |
| 158       | 96.3  | 48.7  | 146.1  |

Manual Integrations  
APPROVED

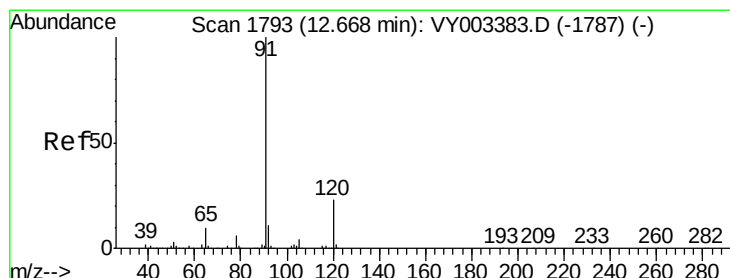
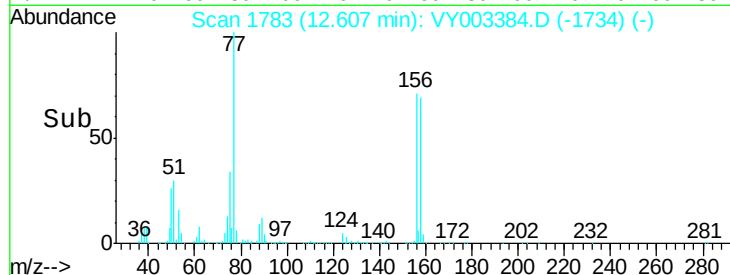
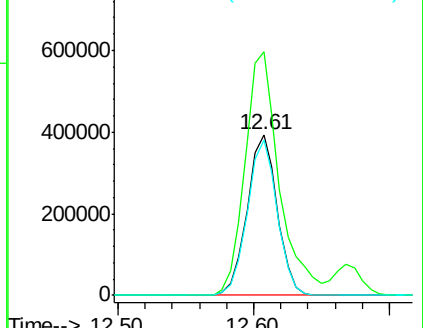
MMDadoda  
8/3/2020 12:37:29 PM



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: 99.727 ug/l

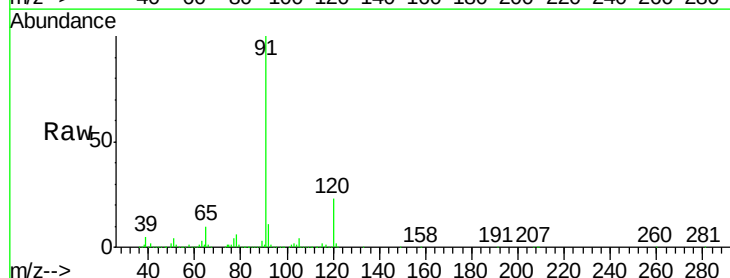
RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY003384.D

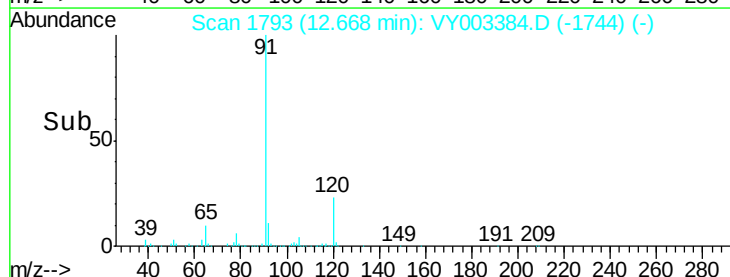
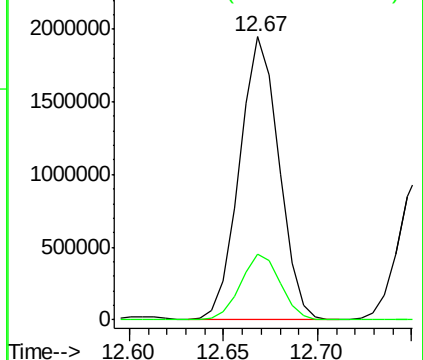
Acq: 31 Jul 2020 12:30

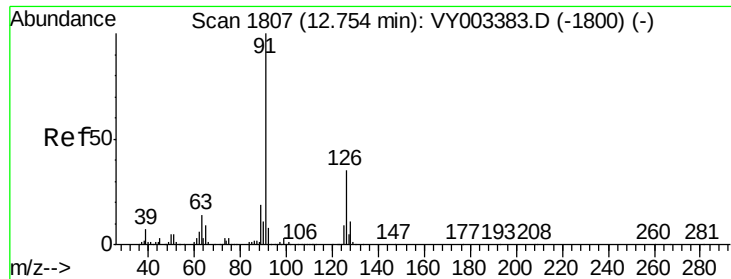
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 2830506 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 23.5  | 11.6  | 34.8    |



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 98.811 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1561020

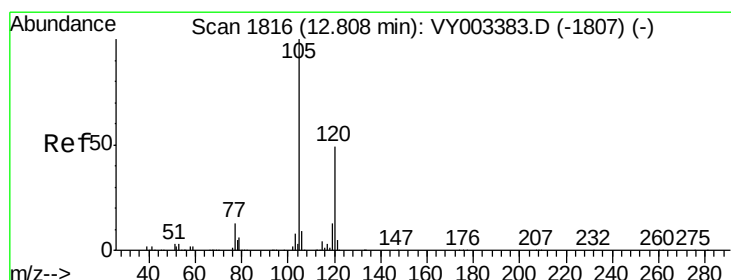
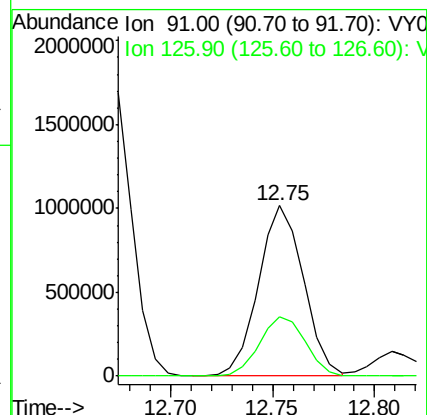
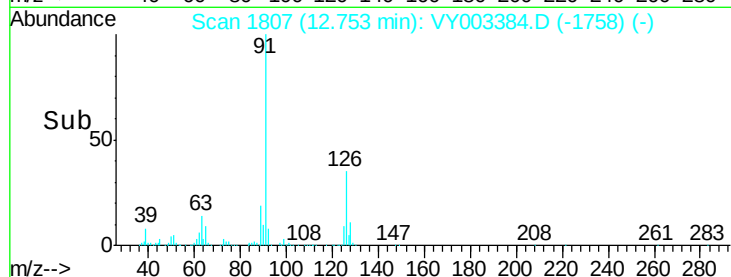
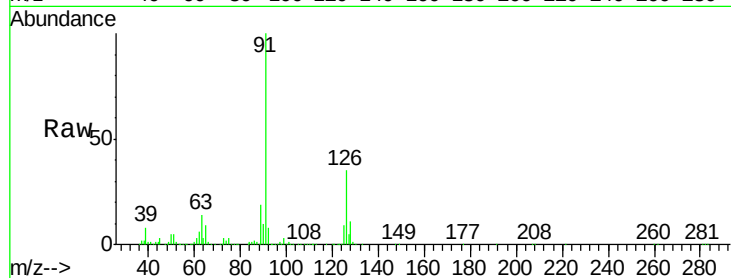
Ion Ratio Lower Upper

91 100

126 35.6 17.9 53.7

Manual Integrations  
APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 99.208 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY003384.D

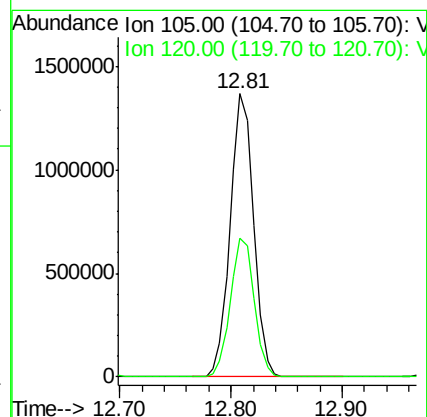
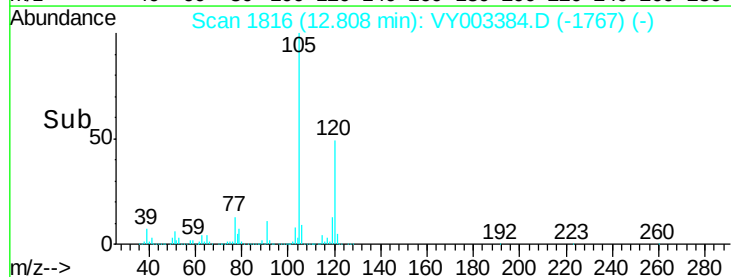
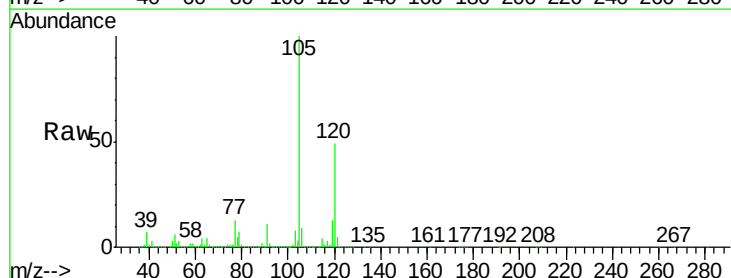
Acq: 31 Jul 2020 12:30

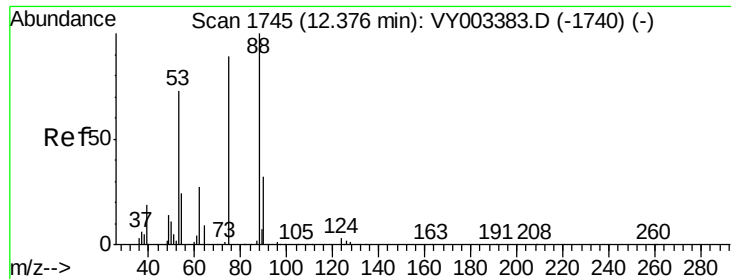
Tgt Ion: 105 Resp: 1987305

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 105.845 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

Instrument :

MSVOA\_Y

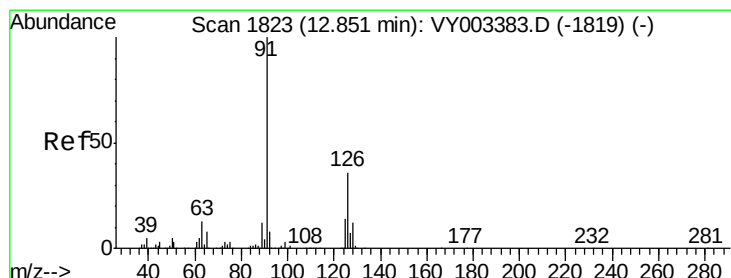
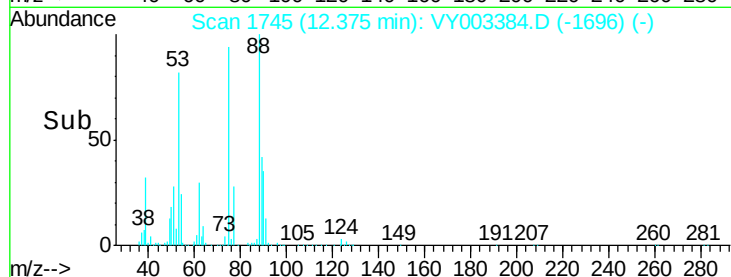
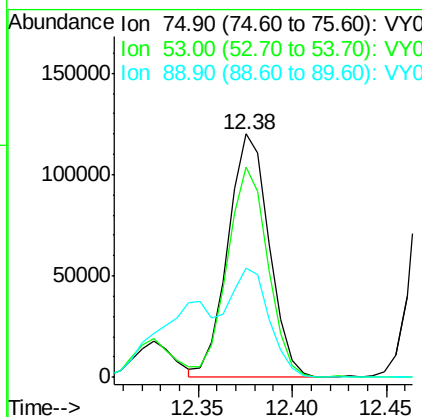
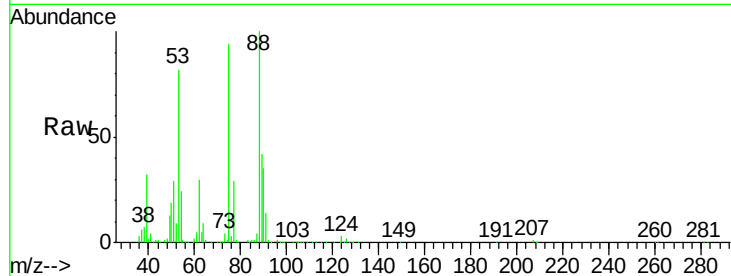
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 75    | Resp: | 180882 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 85.2  | 69.5  | 104.3  |
| 89       | 45.9  | 33.8  | 50.6   |

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 99.178 ug/l

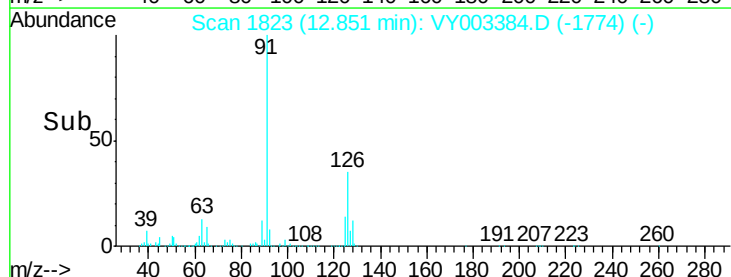
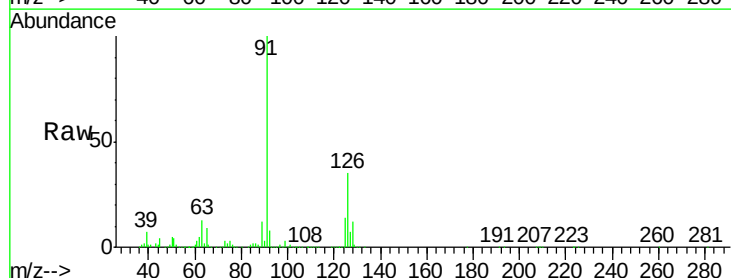
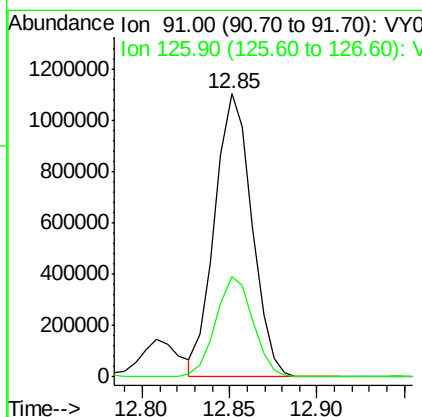
RT: 12.85 min Scan# 1823

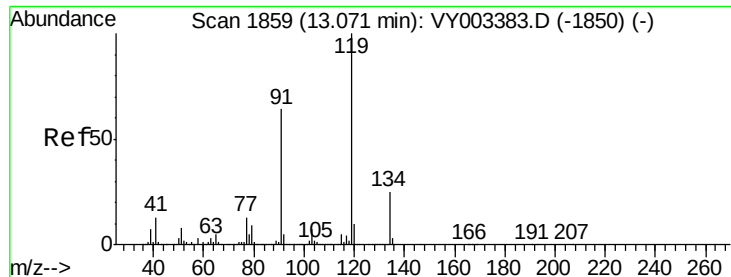
Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 91    | Resp: | 1635168 |
| Ion      | Ratio | Lower | Upper   |
| 91       | 100   |       |         |
| 126      | 35.5  | 18.1  | 54.4    |





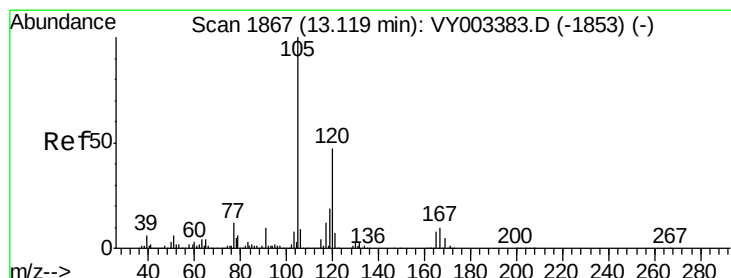
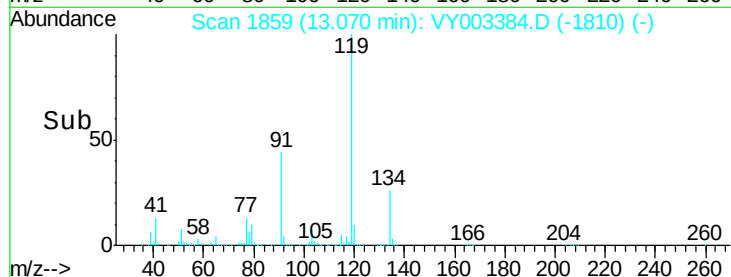
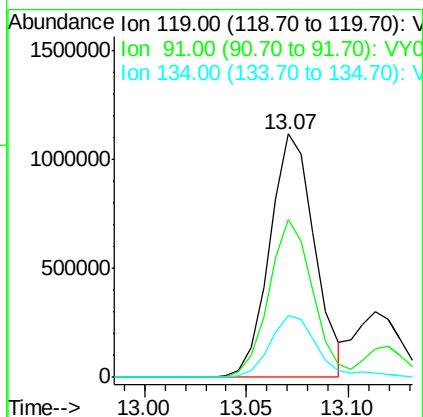
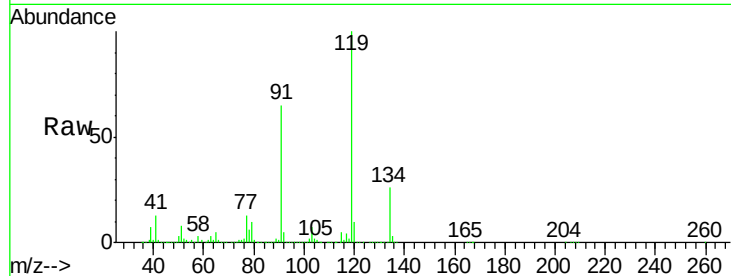
#83  
tert-Butylbenzene  
Concen: 97.178 ug/l  
RT: 13.07 min Scan# 1859  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

Instrument :  
MSVOA\_Y  
ClientSampled :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 63.6  | 31.8  | 95.3  |
| 134     | 27.3  | 13.6  | 40.8  |

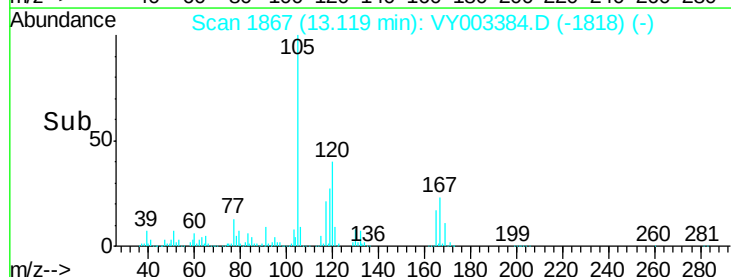
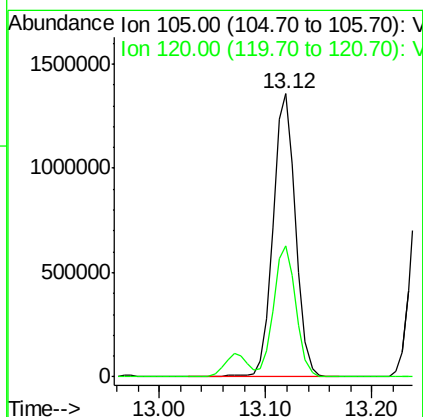
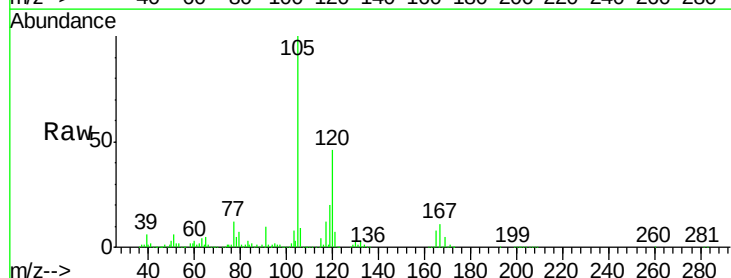
Manual Integrations  
APPROVED

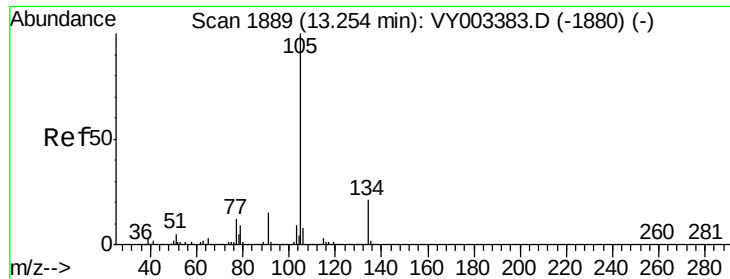
MMDadoda  
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#84  
1,2,4-Trimethylbenzene  
Concen: 98.756 ug/l  
RT: 13.12 min Scan# 1867  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.4  | 23.4  | 70.3  |





#85

sec-Butylbenzene

Concen: 98.515 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2394737

Ion Ratio Lower Upper

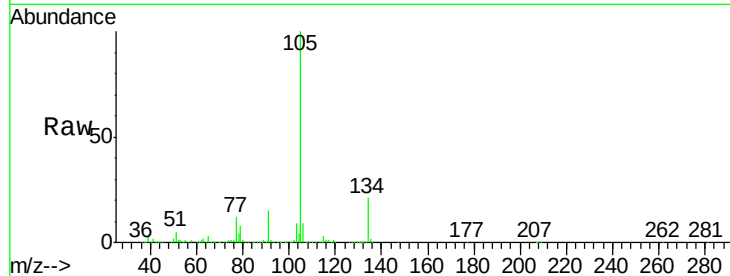
105 100

134 21.0 10.4 31.4

Manual Integrations  
APPROVED

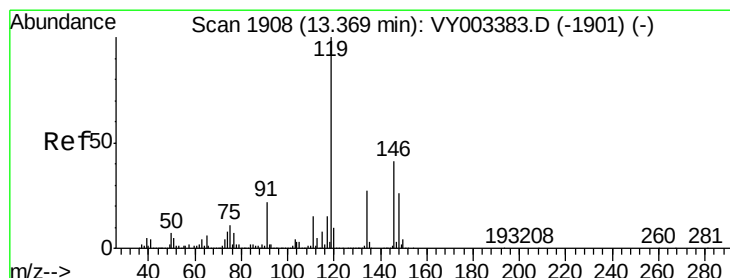
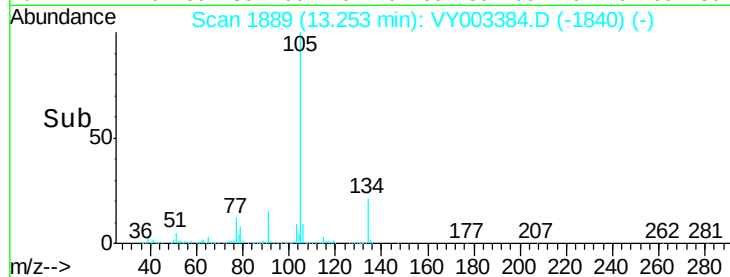
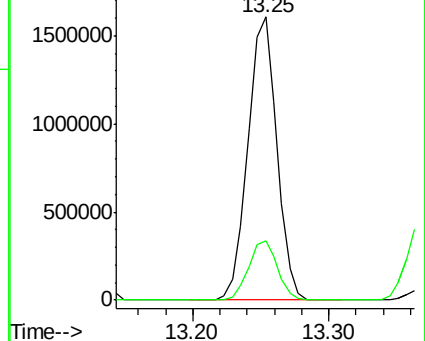
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 99.338 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003384.D

Acq: 31 Jul 2020 12:30

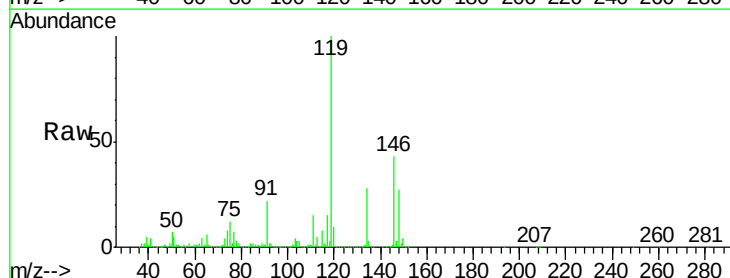
Tgt Ion:119 Resp: 2254524

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

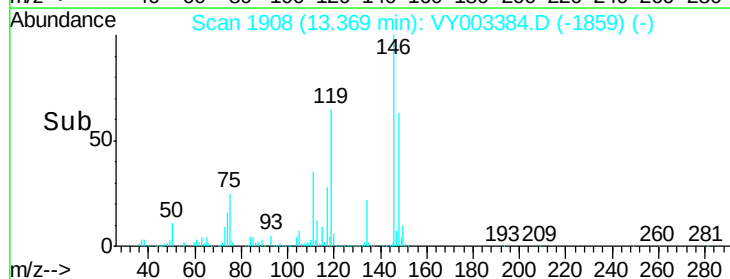
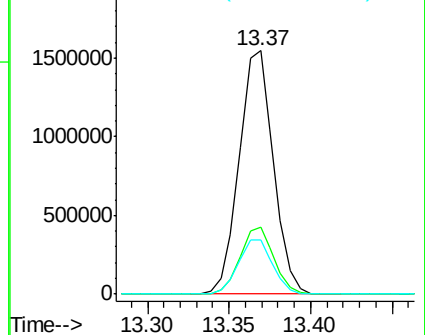
91 22.5 11.4 34.1



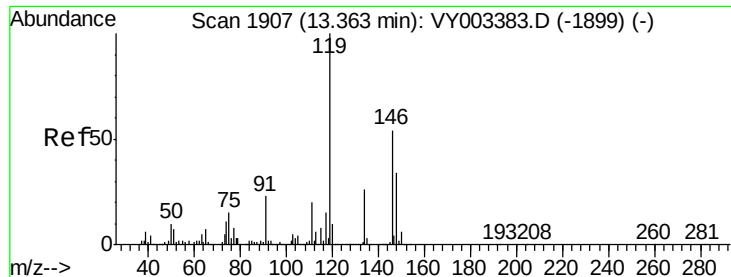
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0







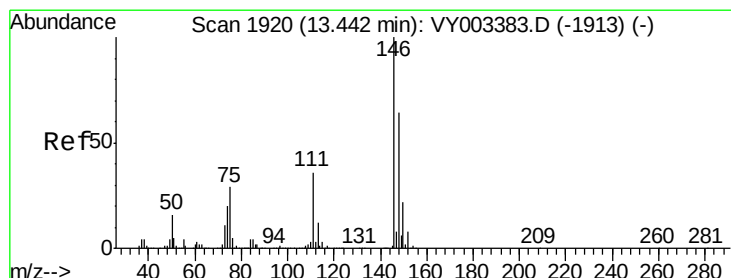
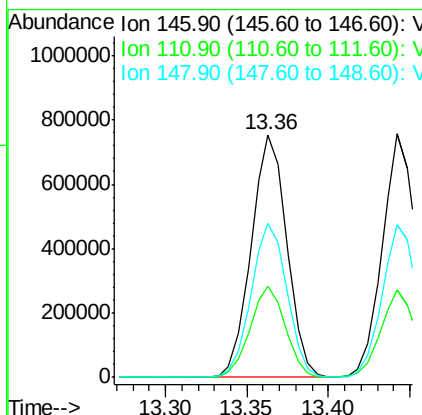
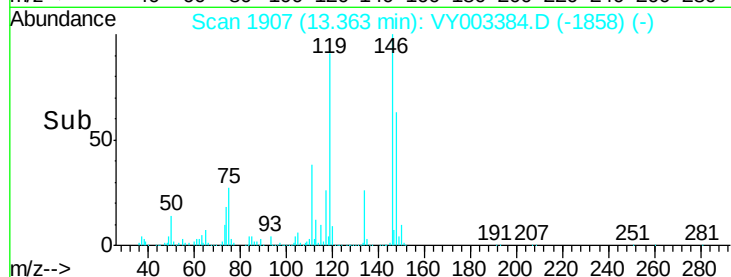
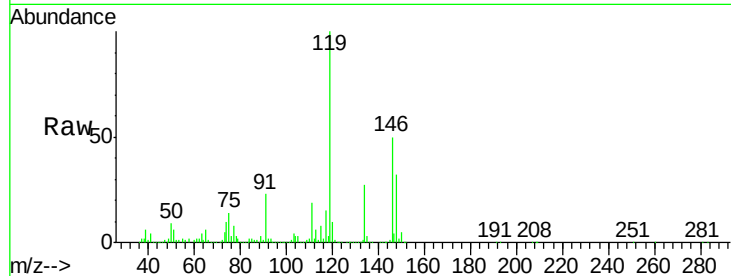
#87  
 1,3-Dichlorobenzene  
 Concen: 98.810 ug/l  
 RT: 13.36 min Scan# 1907  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.2  | 18.8  | 56.4  |
| 148     | 63.8  | 31.9  | 95.9  |

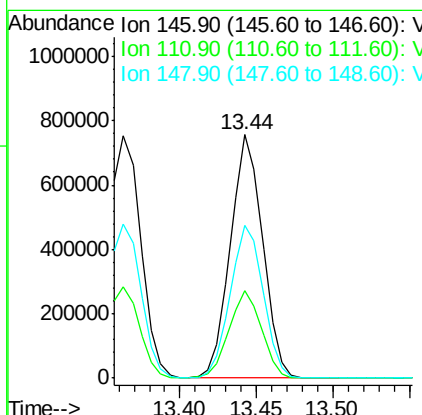
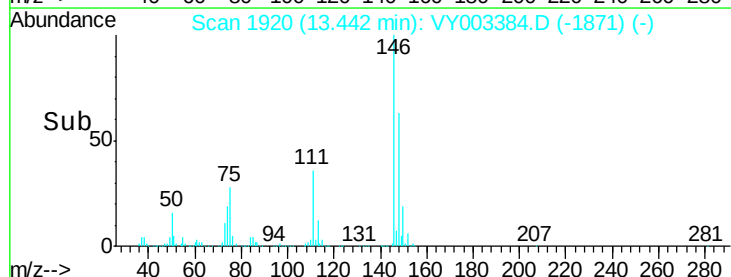
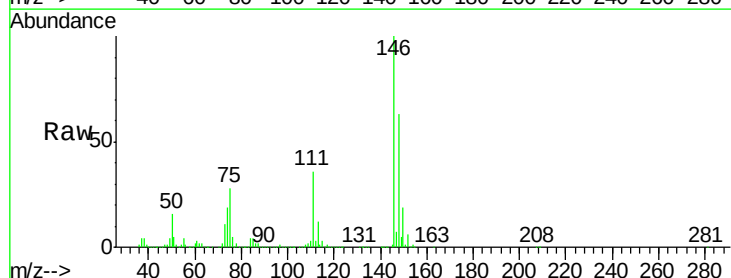
Manual Integrations  
 APPROVED

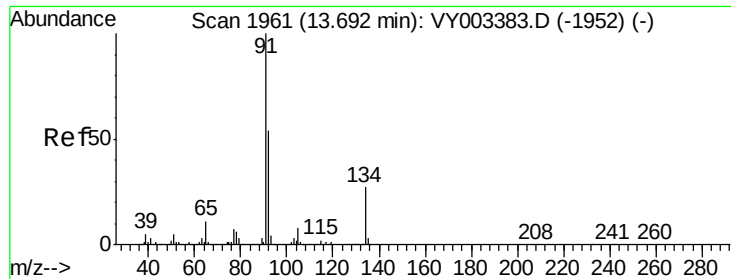
MMDadoda  
 8/3/2020 12:37:29 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 96.591 ug/l  
 RT: 13.44 min Scan# 1920  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.0  | 18.1  | 54.3  |
| 148     | 63.9  | 32.1  | 96.3  |





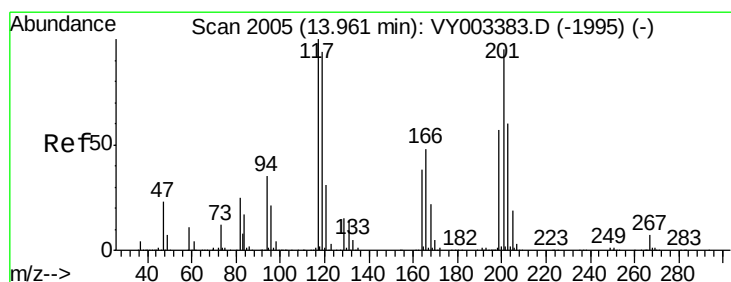
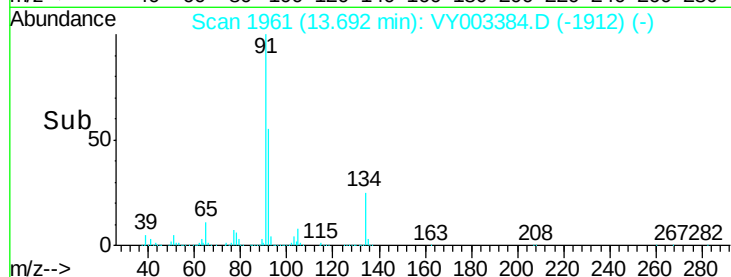
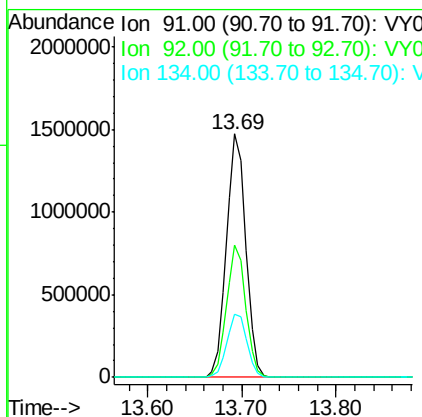
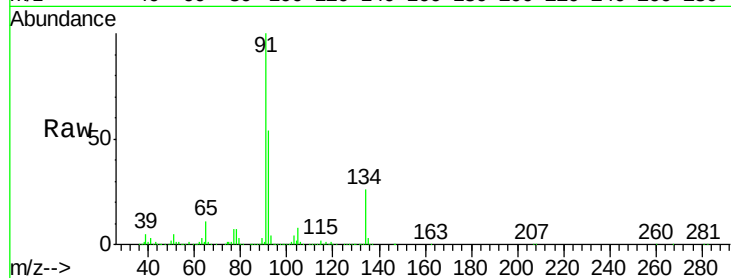
#89  
n-Butylbenzene  
Concen: 98.156 ug/l  
RT: 13.69 min Scan# 1961  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.6  | 26.9  | 80.6  |
| 134     | 26.9  | 13.6  | 40.7  |

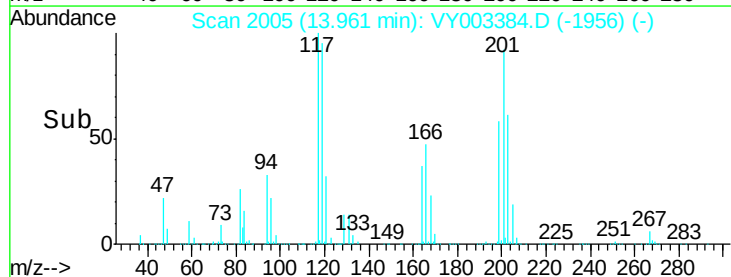
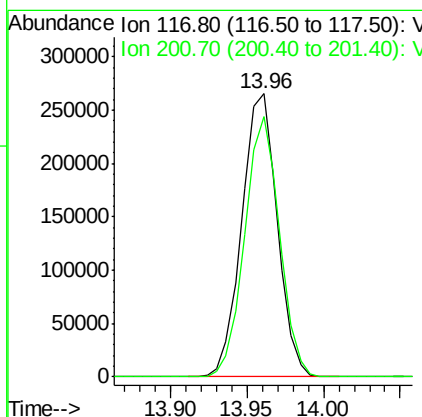
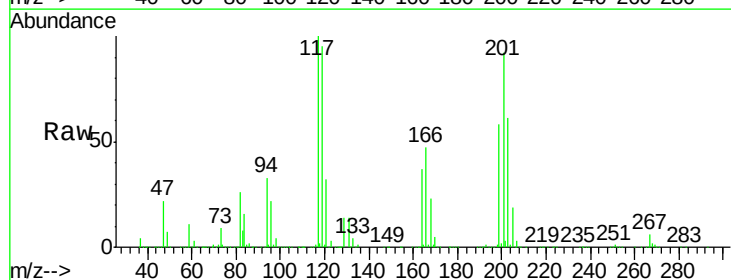
Manual Integrations  
APPROVED

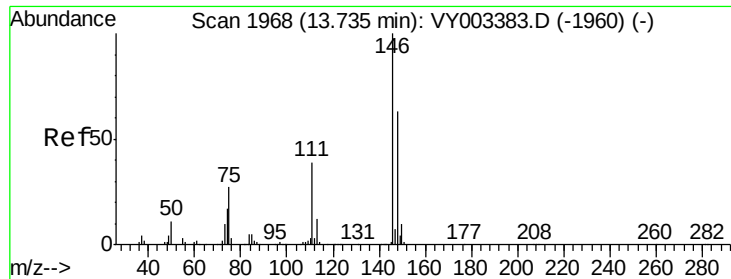
MMDadoda  
8/3/2020 12:37:29 PM



#90  
Hexachloroethane  
Concen: 102.722 ug/l  
RT: 13.96 min Scan# 2005  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 90.2  | 44.7  | 134.1 |





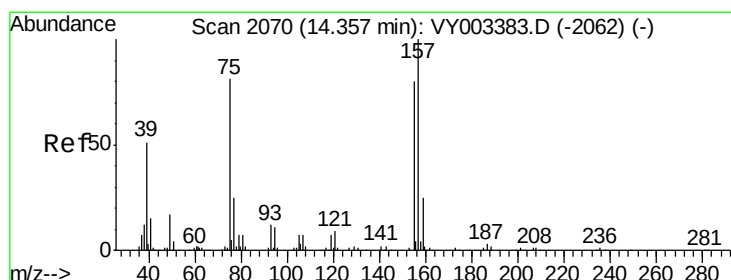
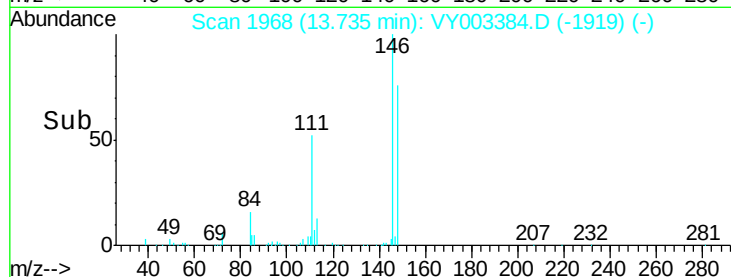
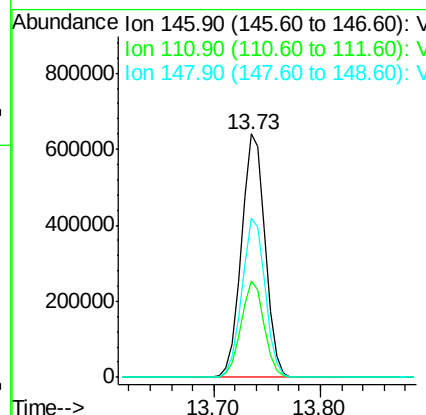
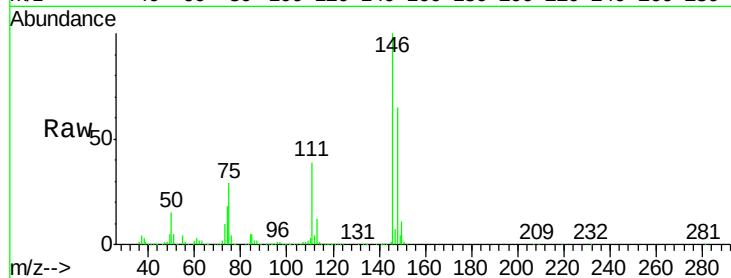
#91  
 1,2-Dichlorobenzene  
 Concen: 98.099 ug/l  
 RT: 13.73 min Scan# 1968  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.6  | 19.2  | 57.6  |
| 148     | 64.3  | 32.1  | 96.5  |

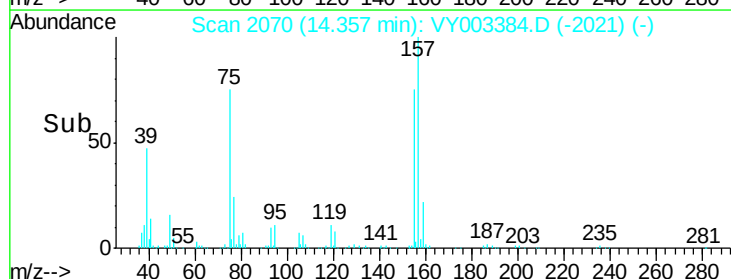
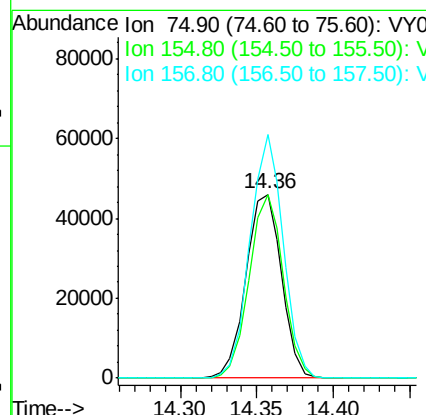
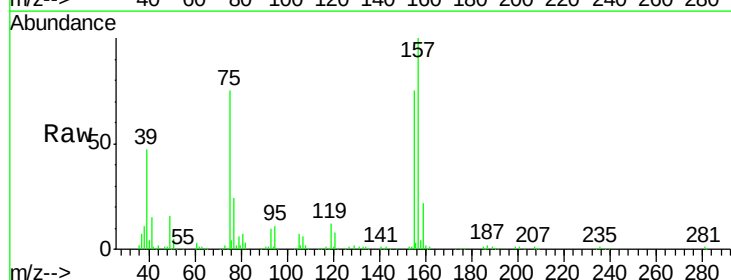
Manual Integrations  
 APPROVED

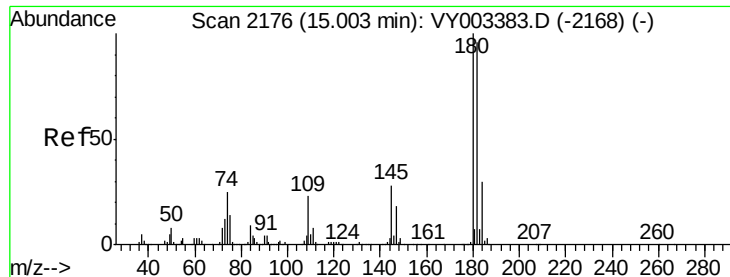
MMDadoda  
 8/3/2020 12:37:29 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 99.022 ug/l  
 RT: 14.36 min Scan# 2070  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 95.7  | 48.8  | 146.4 |
| 157     | 123.8 | 60.9  | 182.6 |





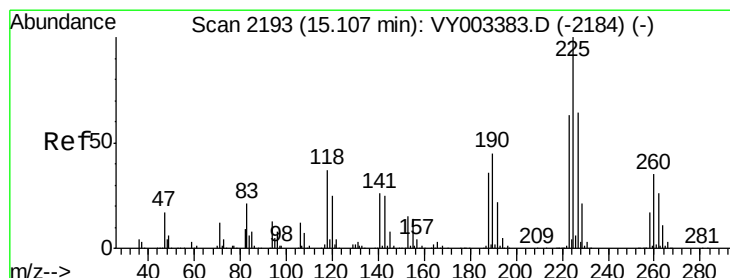
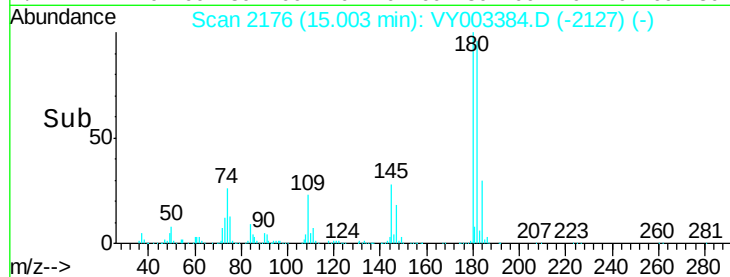
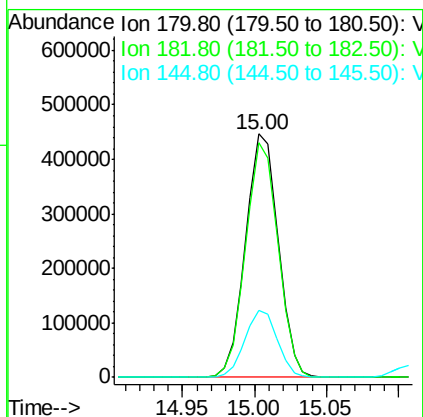
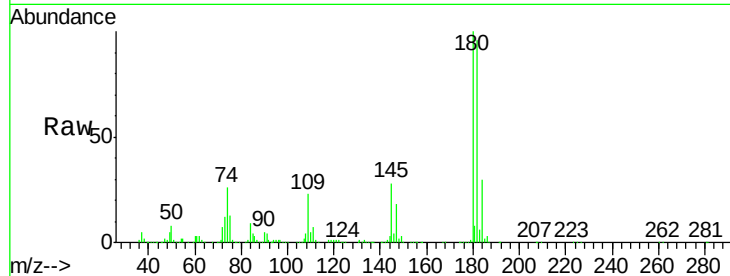
#93  
 1,2,4-Trichlorobenzene  
 Concen: 96.668 ug/l  
 RT: 15.00 min Scan# 2176  
 Delta R.T. -0.00 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 700388 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.6  | 48.2  | 144.6  |
| 145       | 27.4  | 13.8  | 41.3   |

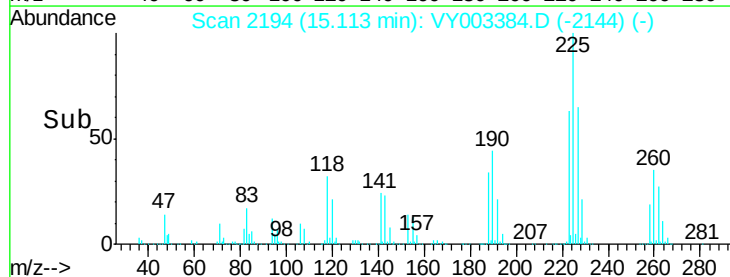
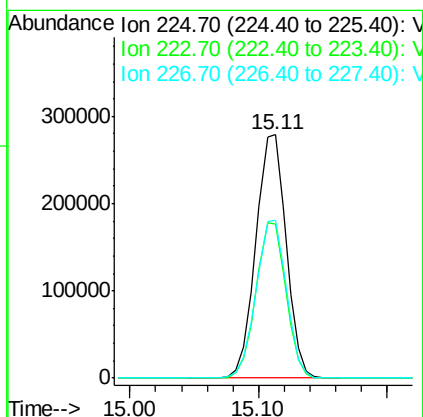
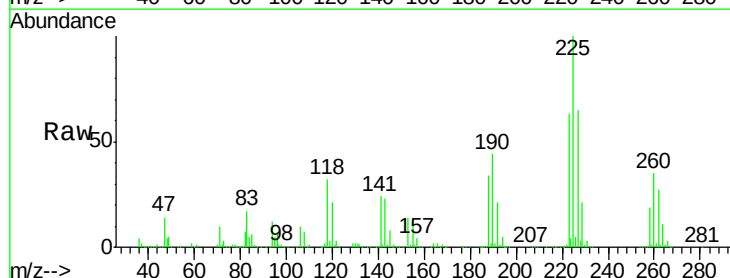
Manual Integrations  
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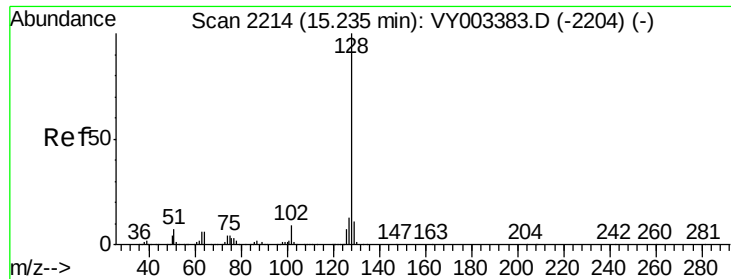
MMDadoda  
 8/3/2020 12:37:29 PM



#94  
 Hexachlorobutadiene  
 Concen: 91.365 ug/l  
 RT: 15.11 min Scan# 2194  
 Delta R.T. 0.01 min  
 Lab File: VY003384.D  
 Acq: 31 Jul 2020 12:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 451672 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 63.2  | 31.6  | 94.8   |
| 227       | 64.8  | 32.0  | 96.2   |





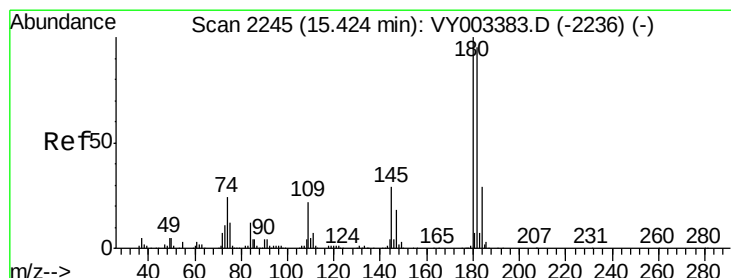
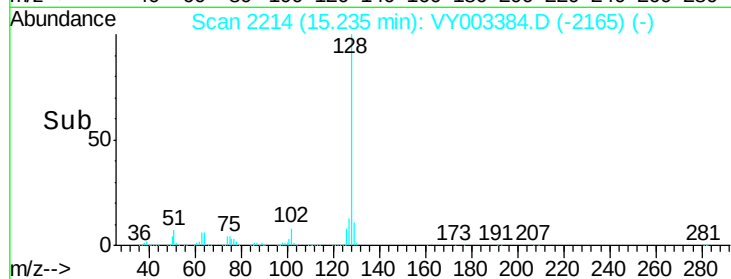
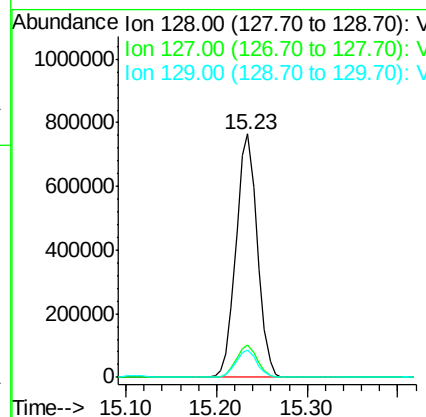
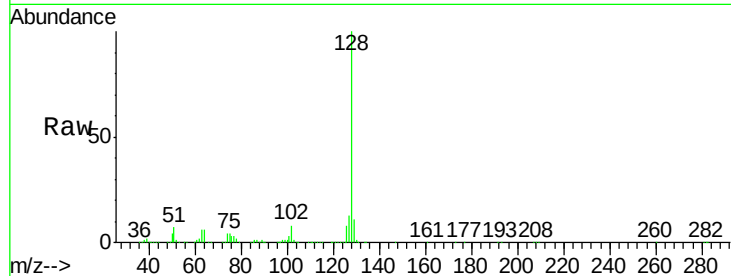
#95  
Naphthalene  
Concen: 103.232 ug/l  
RT: 15.23 min Scan# 2214  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.2  | 10.4  | 15.6  |
| 129     | 11.0  | 8.7   | 13.1  |

Manual Integrations  
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8/3/2020 12:37:29 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 99.594 ug/l  
RT: 15.42 min Scan# 2245  
Delta R.T. -0.00 min  
Lab File: VY003384.D  
Acq: 31 Jul 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.2  | 47.4  | 142.2 |
| 145     | 29.5  | 14.5  | 43.5  |

