

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\  
 Data File : VY003161.D  
 Acq On : 10 Jul 2020 13:02  
 Operator : SY/MD  
 Sample : VSTDICC150  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

MMDadoda  
 7/13/2020 10:47:42 AM

Quant Time: Jul 10 13:17:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 10 12:43:42 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 499024   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 711888   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 649589   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 328748   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.15   | 65  | 568809   | 119.39 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 238.78% |      |
| 35) Dibromofluoromethane  | 7.72   | 113 | 572023   | 132.16 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 264.32% |      |
| 50) Toluene-d8            | 10.18  | 98  | 2060673  | 128.36 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 256.72% |      |
| 62) 4-Bromofluorobenzene  | 12.48  | 95  | 731484   | 129.26 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 258.52% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.90 | 85  | 462634  | 126.410 | ug/l | 98     |
| 3) Chloromethane              | 2.12 | 50  | 633576  | 116.479 | ug/l | 100    |
| 4) Vinyl Chloride             | 2.26 | 62  | 712154  | 134.932 | ug/l | 97     |
| 5) Bromomethane               | 2.63 | 94  | 549372  | 151.182 | ug/l | 99     |
| 6) Chloroethane               | 2.79 | 64  | 475947  | 140.759 | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.13 | 101 | 1017392 | 136.354 | ug/l | 100    |
| 8) Diethyl Ether              | 3.53 | 74  | 346576  | 135.666 | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.90 | 101 | 628871  | 140.631 | ug/l | 100    |
| 10) Methyl Iodide             | 4.10 | 142 | 798904  | 146.399 | ug/l | 100    |
| 11) Tert butyl alcohol        | 4.97 | 59  | 300765  | 616.000 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.88 | 96  | 596903  | 140.292 | ug/l | 99     |
| 13) Acrolein                  | 3.74 | 56  | 252716  | 573.747 | ug/l | 99     |
| 14) Allyl chloride            | 4.49 | 41  | 928610  | 127.403 | ug/l | 99     |
| 15) Acrylonitrile             | 5.18 | 53  | 860231  | 661.159 | ug/l | 100    |
| 16) Acetone                   | 3.95 | 43  | 663284  | 595.290 | ug/l | 96     |
| 17) Carbon Disulfide          | 4.20 | 76  | 1839884 | 136.138 | ug/l | 99     |
| 18) Methyl Acetate            | 4.48 | 43  | 376032  | 124.205 | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.22 | 73  | 1706795 | 138.627 | ug/l | 97     |
| 20) Methylene Chloride        | 4.72 | 84  | 643344  | 100.007 | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.22 | 96  | 680080  | 140.708 | ug/l | 95     |
| 22) Diisopropyl ether         | 6.13 | 45  | 2075213 | 132.069 | ug/l | 98     |
| 23) Vinyl Acetate             | 6.07 | 43  | 6995986 | 669.041 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.02 | 63  | 1168909 | 135.215 | ug/l | 100    |
| 25) 2-Butanone                | 6.99 | 43  | 1146127 | 643.625 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 6.99 | 77  | 1044689 | 133.061 | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.99 | 96  | 760138  | 140.510 | ug/l | 99     |
| 28) Bromochloromethane        | 7.34 | 49  | 487717  | 128.541 | ug/l | 100    |
| 29) Tetrahydrofuran           | 7.35 | 42  | 773959  | 652.415 | ug/l | 99     |
| 30) Chloroform                | 7.52 | 83  | 1178664 | 137.008 | ug/l | 100    |
| 31) Cyclohexane               | 7.78 | 56  | 1062162 | 124.843 | ug/l | 96     |
| 32) 1,1,1-Trichloroethane     | 7.71 | 97  | 1080194 | 137.840 | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.93 | 75  | 946689  | 140.380 | ug/l | 100    |
| 37) Ethyl Acetate             | 7.08 | 43  | 527502  | 132.789 | ug/l | 98     |
| 38) Carbon Tetrachloride      | 7.91 | 117 | 993007  | 141.475 | ug/l | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\  
 Data File : VY003161.D  
 Acq On : 10 Jul 2020 13:02  
 Operator : SY/MD  
 Sample : VSTDICC150  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

MMDadoda  
 7/13/2020 10:47:42 AM

Quant Time: Jul 10 13:17:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 10 12:43:42 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min) |
|--------------------------------|-------|------|----------|----------|-------|----------|
| 39) Methylcyclohexane          | 9.19  | 83   | 1208230  | 144.514  | ug/l  | 98       |
| 40) Benzene                    | 8.16  | 78   | 2620718  | 141.881  | ug/l  | 96       |
| 41) Methacrylonitrile          | 7.33  | 41   | 271546m  | 128.275  | ug/l  |          |
| 42) 1,2-Dichloroethane         | 8.24  | 62   | 790583   | 136.219  | ug/l  | 100      |
| 43) Isopropyl Acetate          | 8.28  | 43   | 1007309  | 133.316  | ug/l  | 99       |
| 44) Trichloroethene            | 8.94  | 130  | 788002   | 145.532  | ug/l  | 98       |
| 45) 1,2-Dichloropropane        | 9.22  | 63   | 677274   | 136.886  | ug/l  | 100      |
| 46) Dibromomethane             | 9.31  | 93   | 394189   | 141.799  | ug/l  | 100      |
| 47) Bromodichloromethane       | 9.50  | 83   | 954696   | 140.932  | ug/l  | 99       |
| 48) Methyl methacrylate        | 9.30  | 41   | 465158   | 135.244  | ug/l  | 98       |
| 49) 1,4-Dioxane                | 9.30  | 88   | 104912   | 3055.938 | ug/l  | 89       |
| 51) 4-Methyl-2-Pentanone       | 10.07 | 43   | 2628564  | 671.741  | ug/l  | 100      |
| 52) Toluene                    | 10.24 | 92   | 1692681  | 145.068  | ug/l  | 100      |
| 53) t-1,3-Dichloropropene      | 10.47 | 75   | 1004993  | 141.742  | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene    | 9.93  | 75   | 1142623  | 140.914  | ug/l  | 97       |
| 55) 1,1,2-Trichloroethane      | 10.64 | 97   | 559099   | 145.248  | ug/l  | 98       |
| 56) Ethyl methacrylate         | 10.51 | 69   | 805682   | 145.420  | ug/l  | 99       |
| 57) 1,3-Dichloropropane        | 10.79 | 76   | 943741   | 139.556  | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.78  | 63   | 1975736  | 703.396  | ug/l  | 99       |
| 59) 2-Hexanone                 | 10.83 | 43   | 1831025  | 670.262  | ug/l  | 100      |
| 60) Dibromochloromethane       | 10.99 | 129  | 714430   | 144.675  | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 11.09 | 107  | 548354   | 143.939  | ug/l  | 99       |
| 64) Tetrachloroethene          | 10.72 | 164  | 839513   | 153.361  | ug/l  | 99       |
| 65) Chlorobenzene              | 11.52 | 112  | 1846609  | 145.911  | ug/l  | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.59 | 131  | 738154   | 149.881  | ug/l  | 100      |
| 67) Ethyl Benzene              | 11.59 | 91   | 3416352  | 147.886  | ug/l  | 100      |
| 68) m/p-Xylenes                | 11.70 | 106  | 2575451  | 299.706  | ug/l  | 100      |
| 69) o-Xylene                   | 12.03 | 106  | 1206956  | 148.915  | ug/l  | 99       |
| 70) Styrene                    | 12.04 | 104  | 2105186  | 151.986  | ug/l  | 100      |
| 71) Bromoform                  | 12.20 | 173  | 480538   | 146.845  | ug/l  | 100      |
| 73) Isopropylbenzene           | 12.33 | 105  | 3268006  | 153.599  | ug/l  | 100      |
| 74) N-amyl acetate             | 12.14 | 43   | 929755   | 137.496  | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.58 | 83   | 609216   | 143.055  | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75   | 434158m  | 137.376  | ug/l  |          |
| 77) Bromobenzene               | 12.61 | 156  | 823552   | 151.144  | ug/l  | 99       |
| 78) n-propylbenzene            | 12.67 | 91   | 3807910  | 149.182  | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 12.75 | 91   | 2106379  | 147.877  | ug/l  | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.81 | 105  | 2680461  | 150.312  | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 239307   | 147.163  | ug/l  | 96       |
| 82) 4-Chlorotoluene            | 12.85 | 91   | 2200077  | 148.433  | ug/l  | 99       |
| 83) tert-Butylbenzene          | 13.07 | 119  | 2367599  | 151.048  | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.12 | 105  | 2685905  | 149.422  | ug/l  | 98       |
| 85) sec-Butylbenzene           | 13.25 | 105  | 3184471  | 147.566  | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 13.37 | 119  | 3045396  | 152.107  | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 13.36 | 146  | 1544676  | 151.802  | ug/l  | 100      |
| 88) 1,4-Dichlorobenzene        | 13.44 | 146  | 1474743  | 147.006  | ug/l  | 99       |
| 89) n-Butylbenzene             | 13.69 | 91   | 2786280  | 145.850  | ug/l  | 100      |
| 90) Hexachloroethane           | 13.96 | 117  | 571459   | 145.307  | ug/l  | 100      |
| 91) 1,2-Dichlorobenzene        | 13.74 | 146  | 1313929  | 144.547  | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.36 | 75   | 93675    | 127.064  | ug/l  | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071020\  
Data File : VY003161.D  
Acq On : 10 Jul 2020 13:02  
Operator : SY/MD  
Sample : VSTDICC150  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150

Manual Integrations  
APPROVED

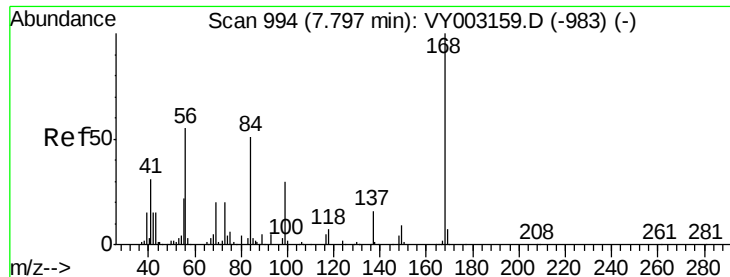
MMDadoda  
7/13/2020 10:47:42 AM

Quant Time: Jul 10 13:17:53 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 10 12:43:42 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.00 | 180  | 913169   | 136.107 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.11 | 225  | 615238   | 143.673 | ug/l  | 99       |
| 95) Naphthalene            | 15.23 | 128  | 1567063  | 130.413 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.42 | 180  | 725416   | 126.767 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 499024

Ion Ratio Lower Upper

168 100

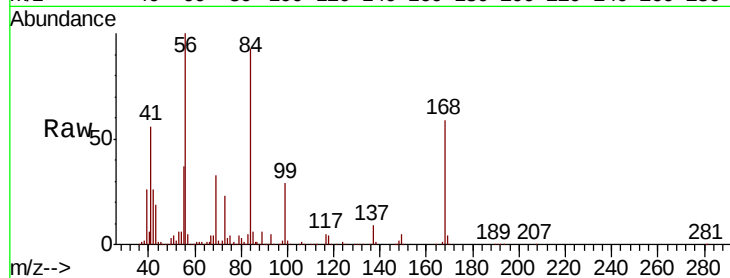
99 48.6 37.3 55.9

Manual Integrations

APPROVED

MMDadoda

7/13/2020 10:47:42 AM



Abundance Ion 167.90 (167.60 to 168.60): VY003161.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003161.D (-945) (-)

300000

250000

200000

150000

100000

50000

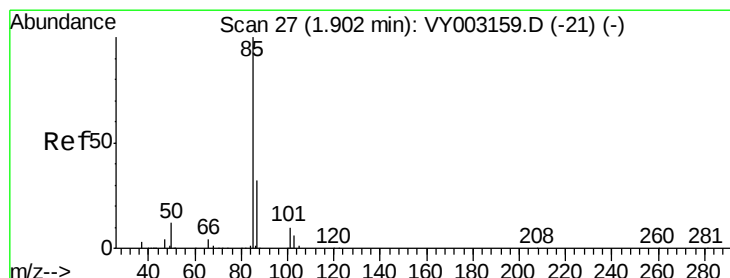
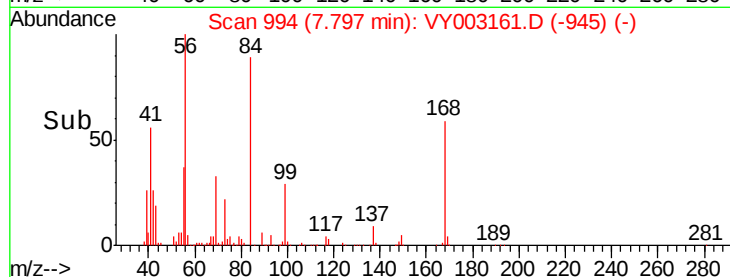
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 126.410 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY003161.D

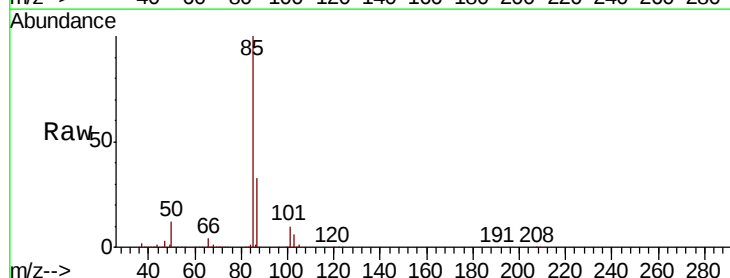
Acq: 10 Jul 2020 13:02

Tgt Ion: 85 Resp: 462634

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY003161.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY003161.D (-1) (-)

300000

200000

100000

0

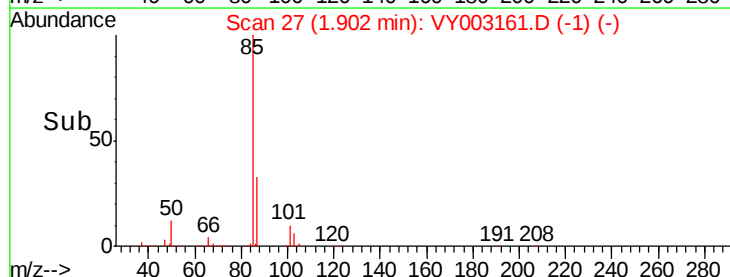
1.80

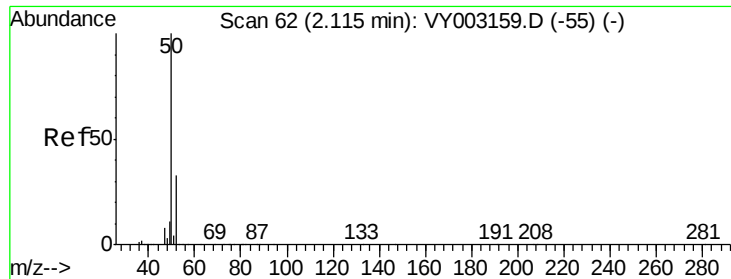
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 116.479 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 633576

Ion Ratio Lower Upper

50 100

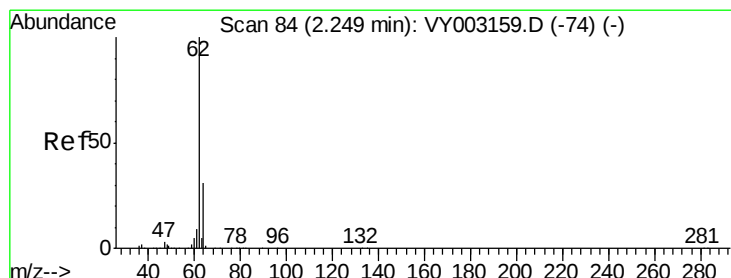
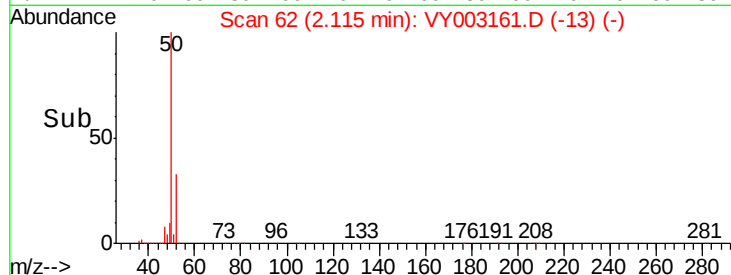
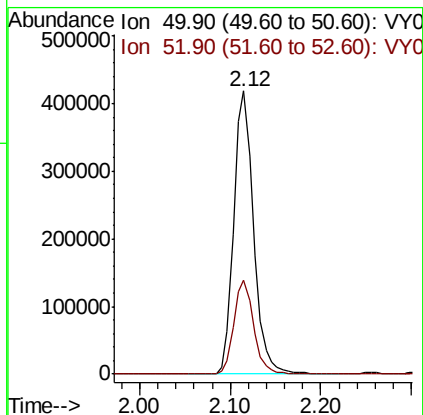
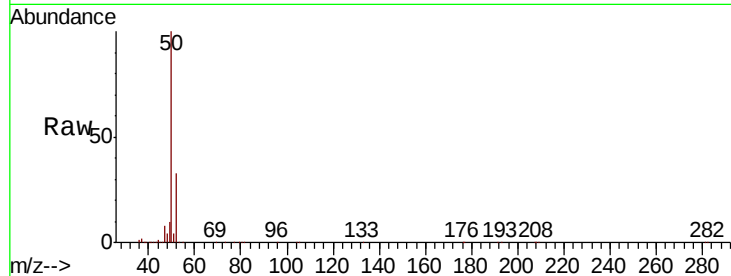
52 33.1 26.6 39.8

Manual Integrations

APPROVED

MMDadoda

7/13/2020 10:47:42 AM



#4

Vinyl Chloride

Concen: 134.932 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY003161.D

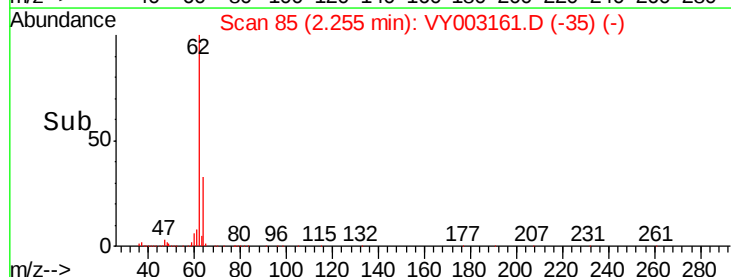
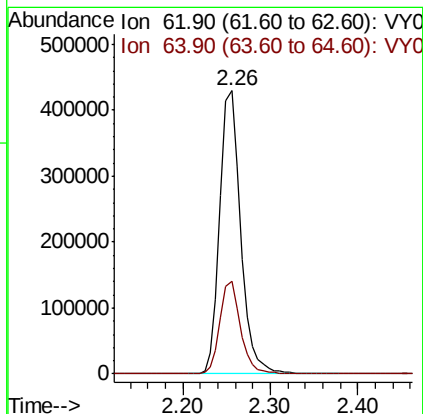
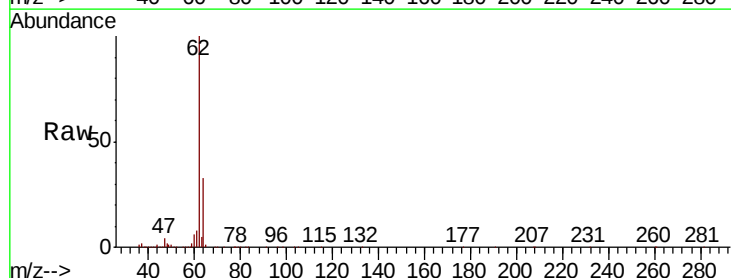
Acq: 10 Jul 2020 13:02

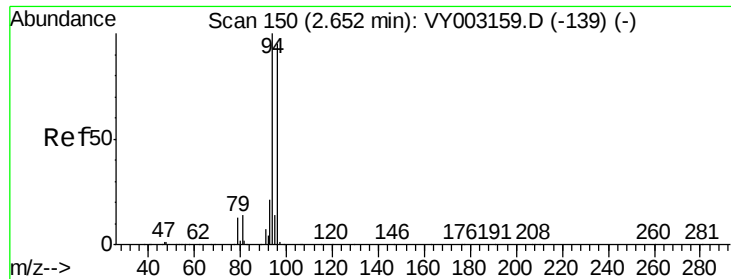
Tgt Ion: 62 Resp: 712154

Ion Ratio Lower Upper

62 100

64 32.6 24.6 37.0





#5

Bromomethane

Concen: 151.182 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.02 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 549372

Ion Ratio Lower Upper

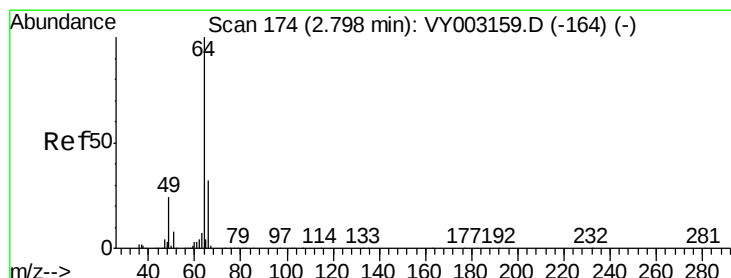
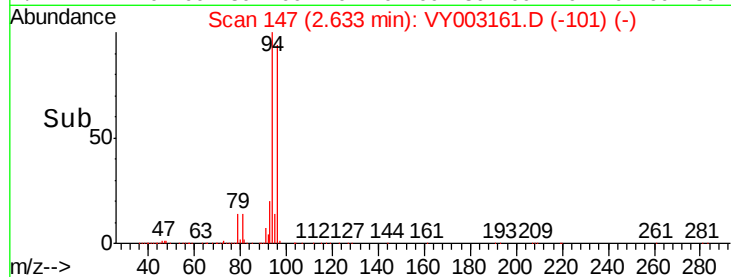
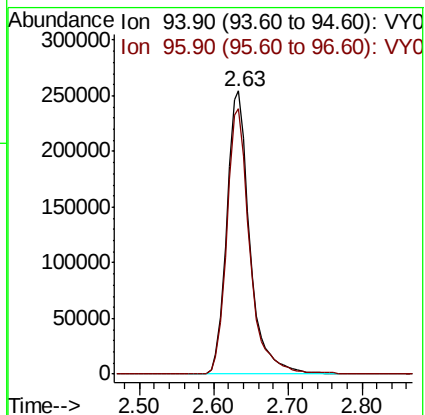
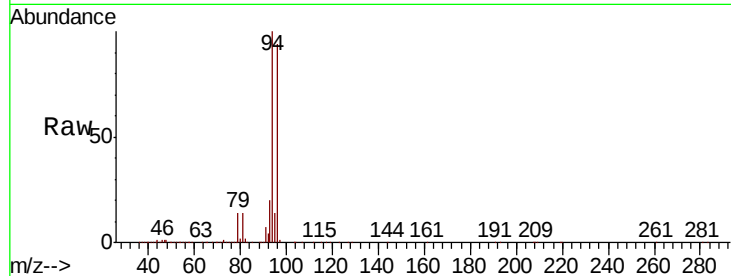
94 100

96 93.9 76.0 114.0

Manual Integrations  
APPROVED

MMDadoda

7/13/2020 10:47:42 AM



#6

Chloroethane

Concen: 140.759 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY003161.D

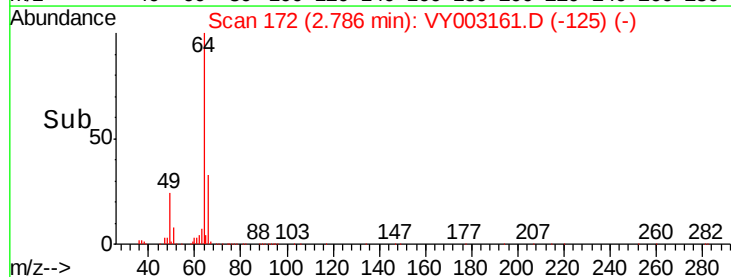
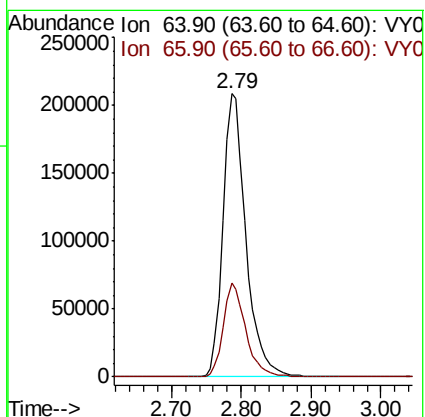
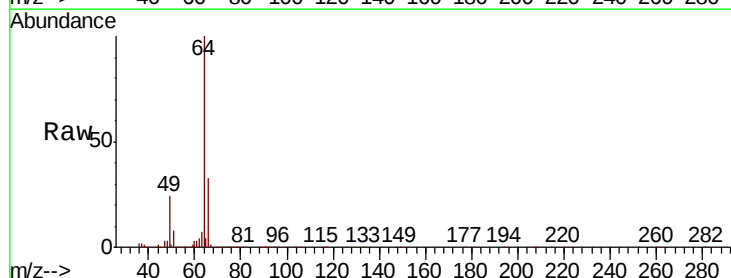
Acq: 10 Jul 2020 13:02

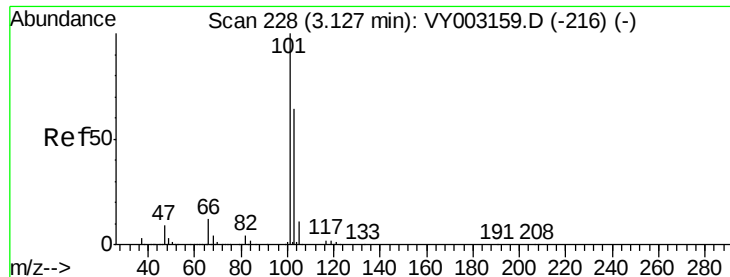
Tgt Ion: 64 Resp: 475947

Ion Ratio Lower Upper

64 100

66 33.0 26.0 39.0





#7

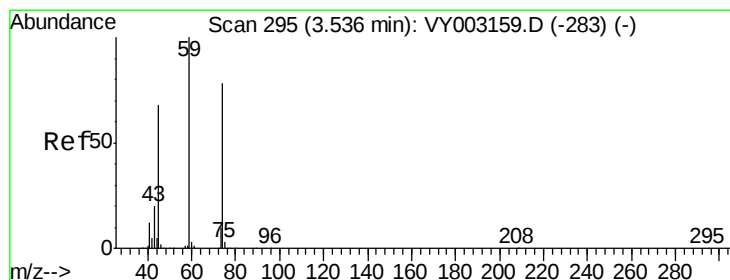
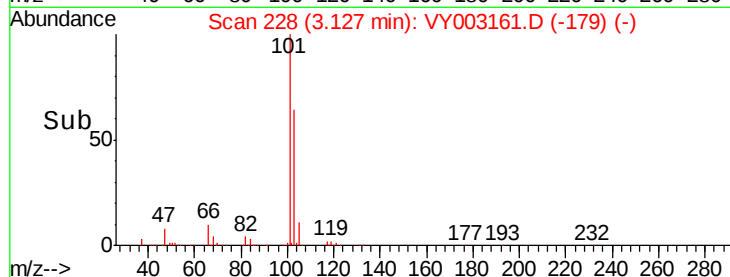
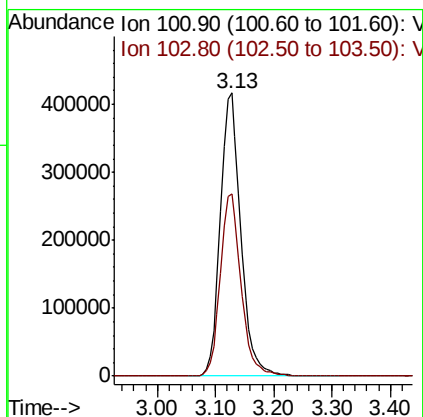
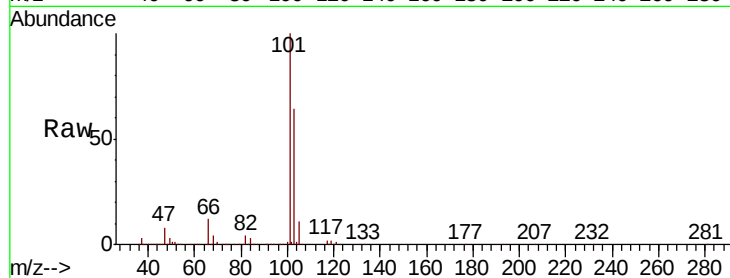
Trichlorofluoromethane  
Concen: 136.354 ug/l  
RT: 3.13 min Scan# 228  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

Tot Ion:101 Resp: 1017392  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.3 76.9

Manual Integrations  
APPROVED

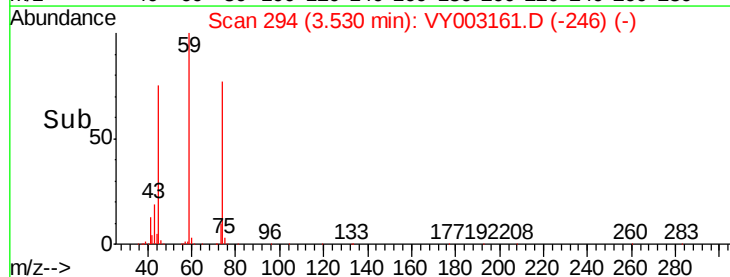
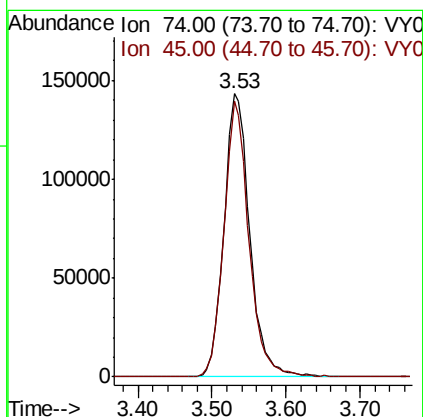
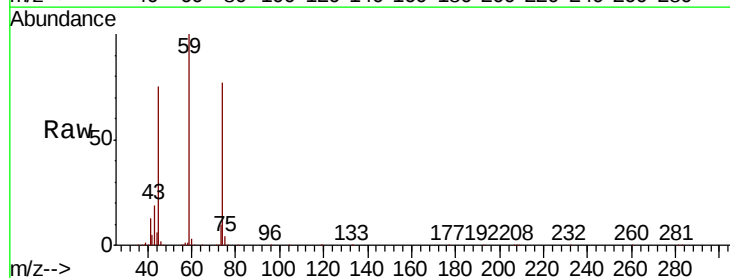
MMDadoda  
7/13/2020 10:47:42 AM

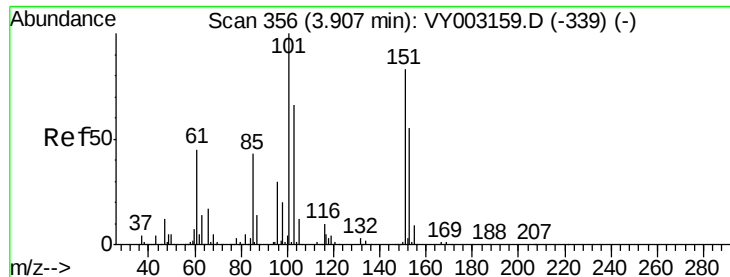


#8

Diethyl Ether  
Concen: 135.666 ug/l  
RT: 3.53 min Scan# 294  
Delta R.T. -0.01 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Tgt Ion: 74 Resp: 346576  
Ion Ratio Lower Upper  
74 100  
45 93.9 45.3 135.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 140.631 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

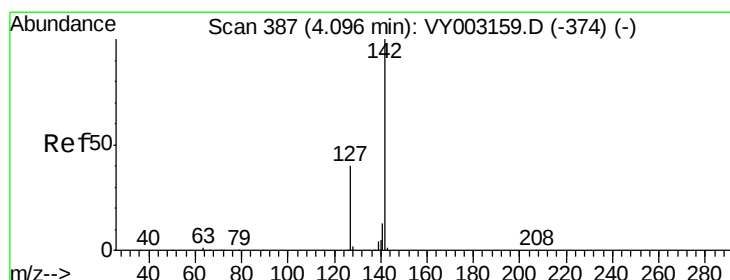
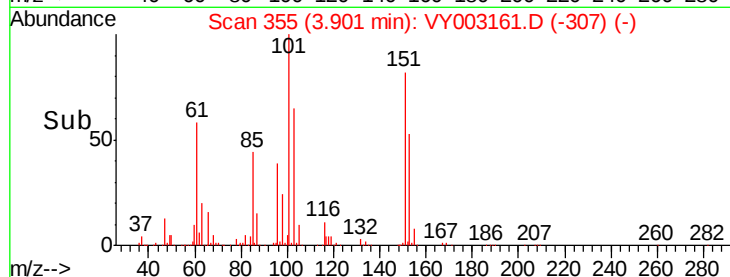
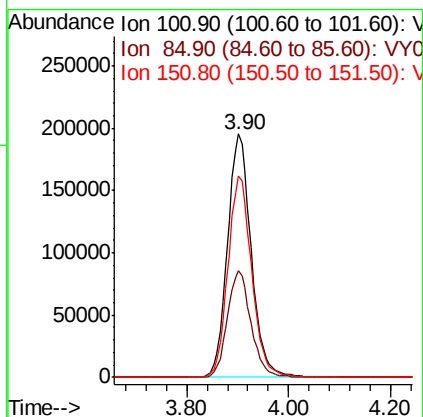
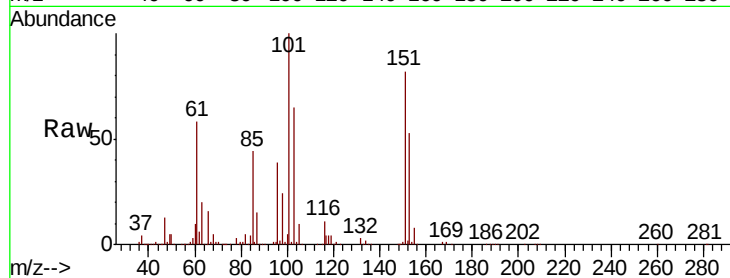
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 628871 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.6  | 34.9  | 52.3   |
| 151       | 83.2  | 67.0  | 100.6  |

Manual Integrations  
APPROVED

MMDadoda  
7/13/2020 10:47:42 AM



#10

Methyl Iodide

Concen: 146.399 ug/l

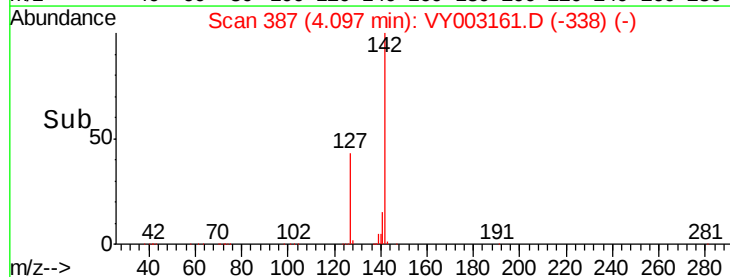
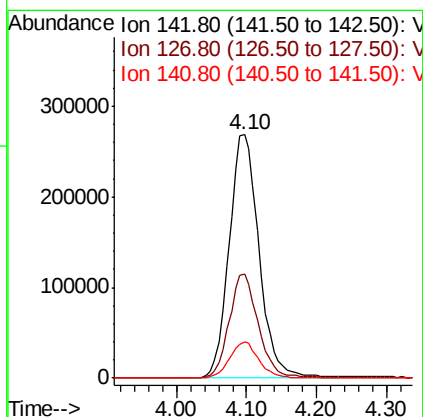
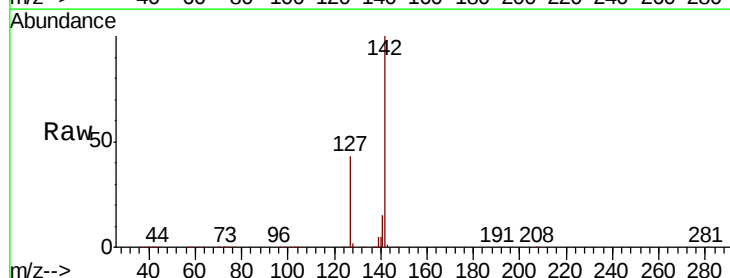
RT: 4.10 min Scan# 387

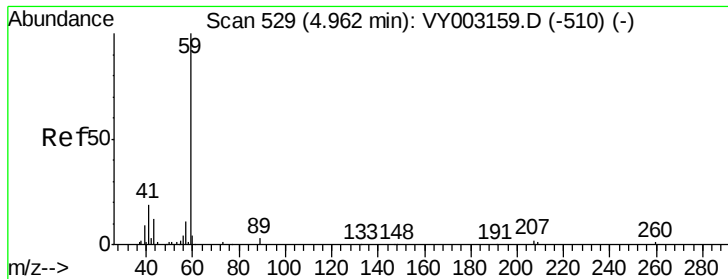
Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 798904 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 41.8  | 33.5  | 50.3   |
| 141       | 14.3  | 11.2  | 16.8   |





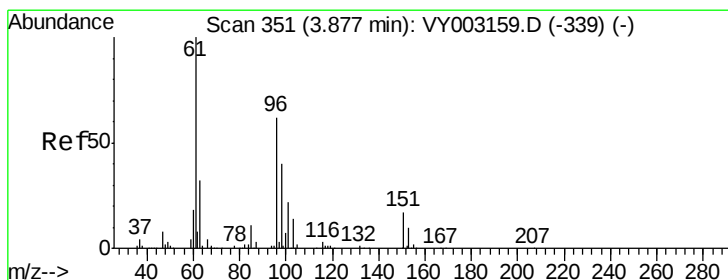
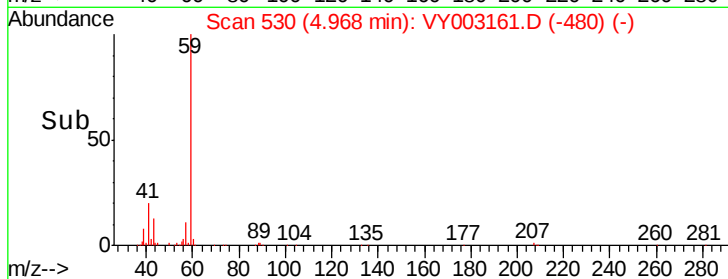
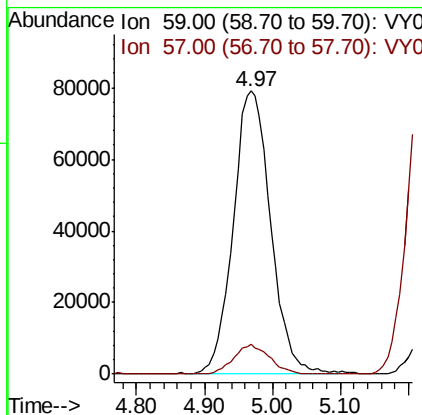
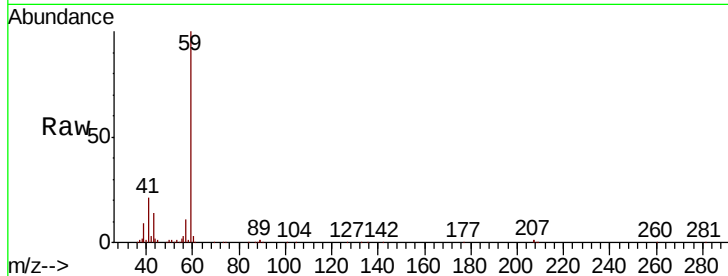
#11  
Tert butyl alcohol  
Concen: 616.000 ug/l  
RT: 4.97 min Scan# 530  
Delta R.T. 0.01 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.2  | 8.4   | 12.6  |

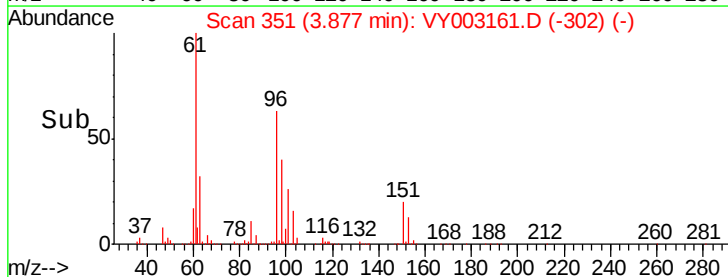
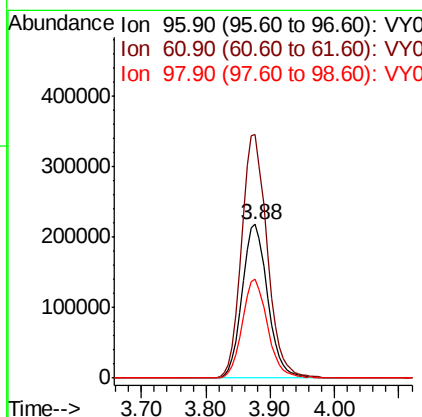
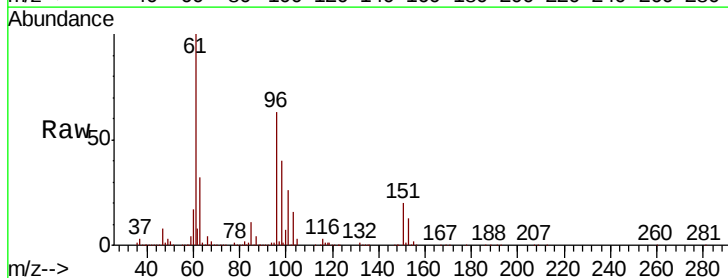
Manual Integrations  
APPROVED

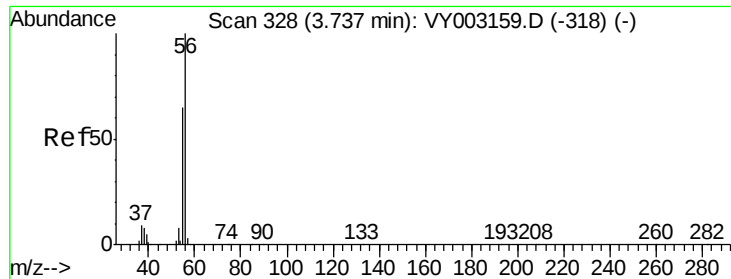
MMDadoda  
7/13/2020 10:47:42 AM



#12  
1,1-Dichloroethene  
Concen: 140.292 ug/l  
RT: 3.88 min Scan# 351  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 158.7 | 128.6 | 193.0 |
| 98      | 64.2  | 51.6  | 77.4  |





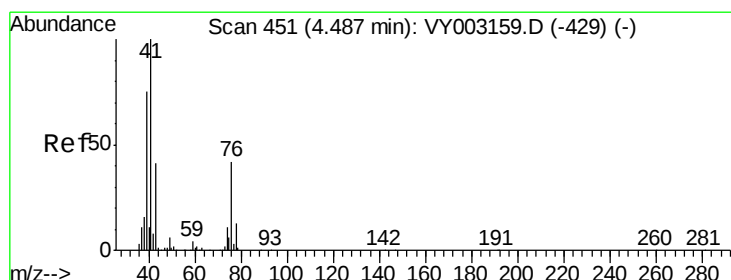
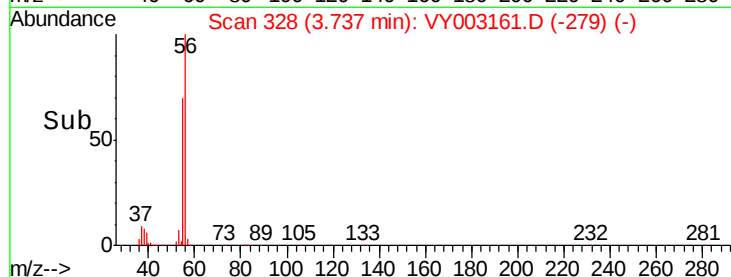
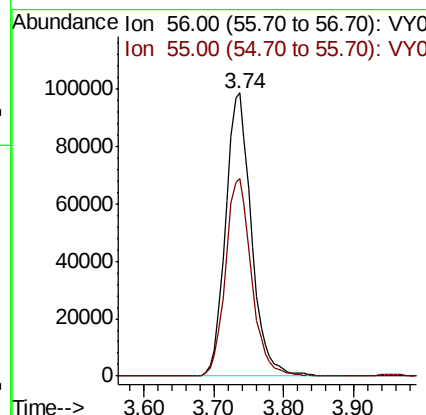
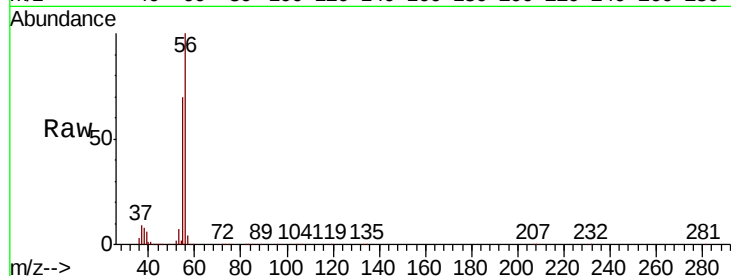
#13  
Acrolein  
Concen: 573.747 ug/l  
RT: 3.74 min Scan# 328  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 70.6  | 56.0  | 84.0  |

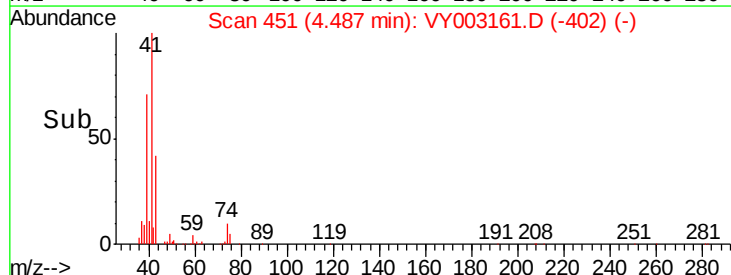
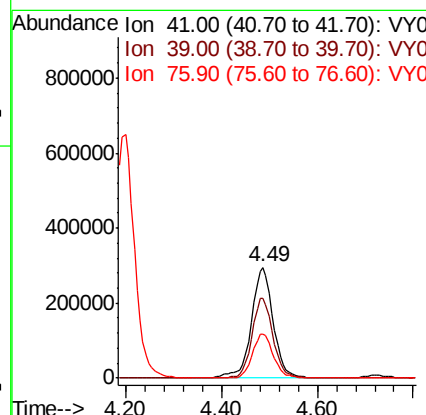
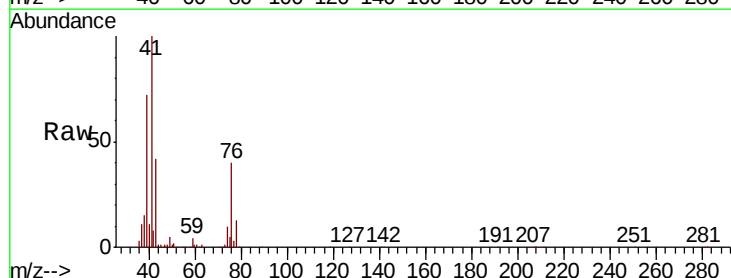
Manual Integrations  
APPROVED

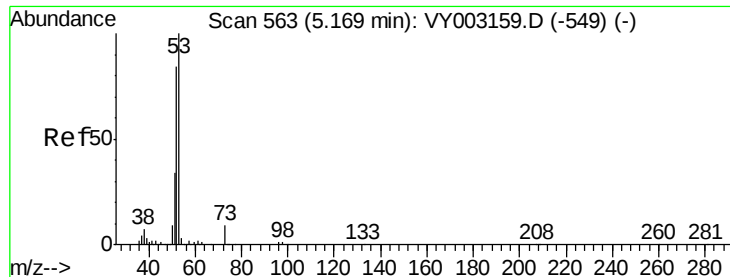
MMDadoda  
7/13/2020 10:47:42 AM



#14  
Allyl chloride  
Concen: 127.403 ug/l  
RT: 4.49 min Scan# 451  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 70.2  | 56.6  | 85.0  |
| 76      | 38.4  | 31.6  | 47.4  |





#15

Acrylonitrile

Concen: 661.159 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.01 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

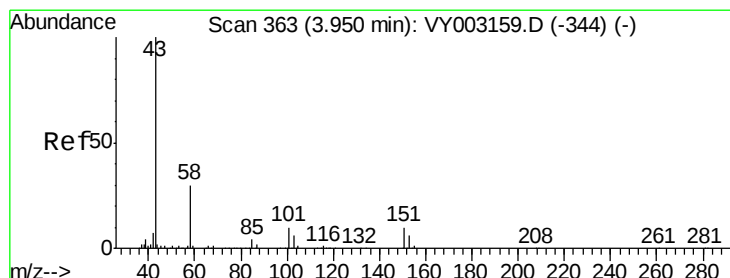
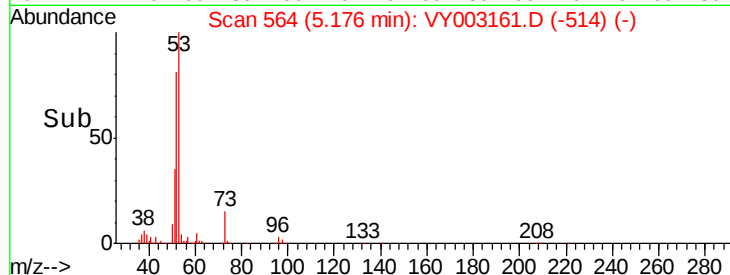
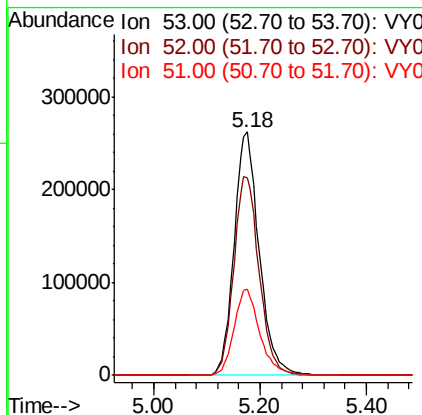
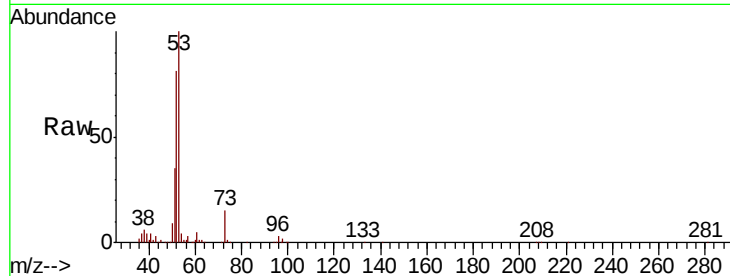
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 860231 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.5  | 65.8  | 98.6   |
| 51        | 36.5  | 29.0  | 43.4   |

Manual Integrations  
APPROVED

MMDadoda  
7/13/2020 10:47:42 AM



#16

Acetone

Concen: 595.290 ug/l

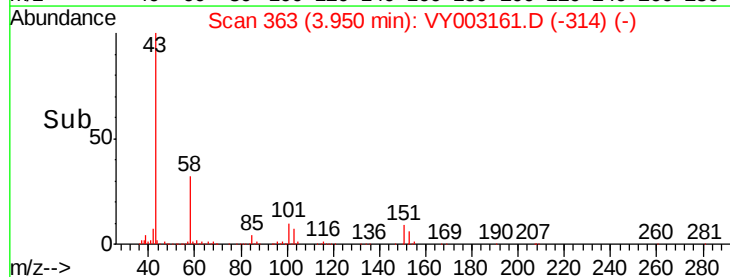
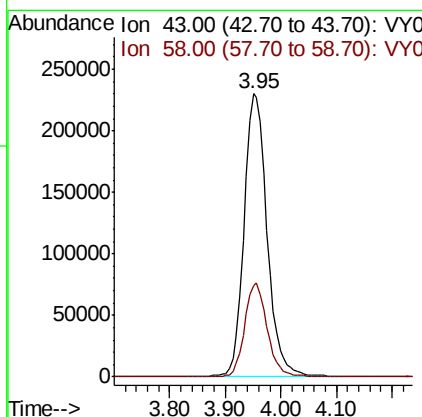
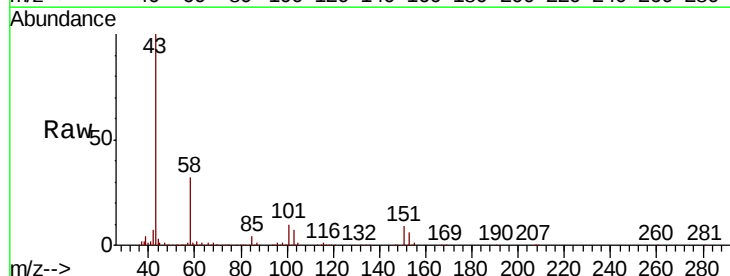
RT: 3.95 min Scan# 363

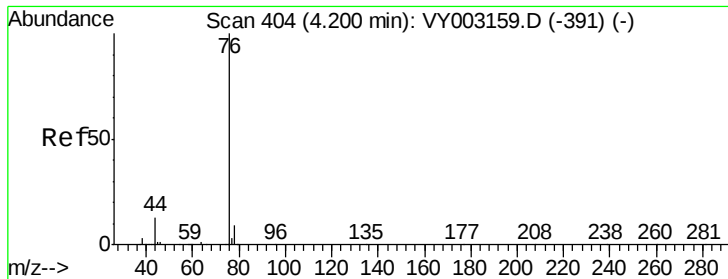
Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 663284 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 32.1  | 23.8  | 35.6   |





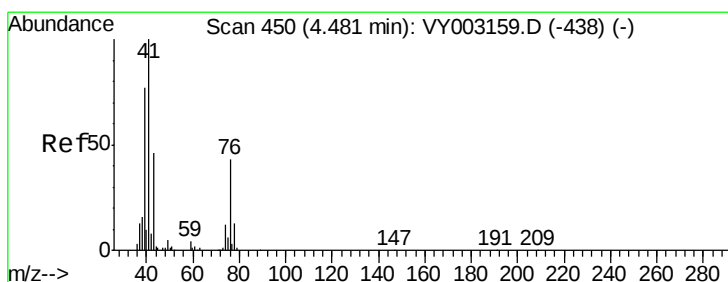
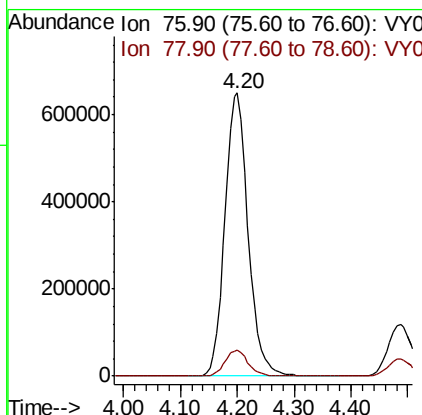
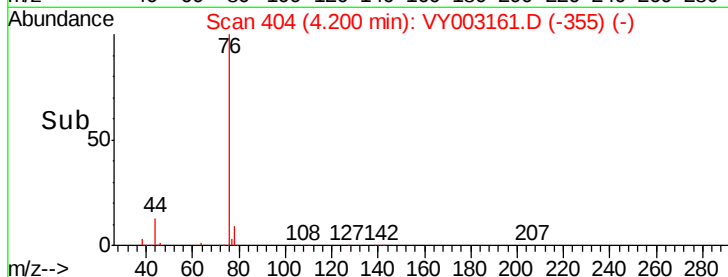
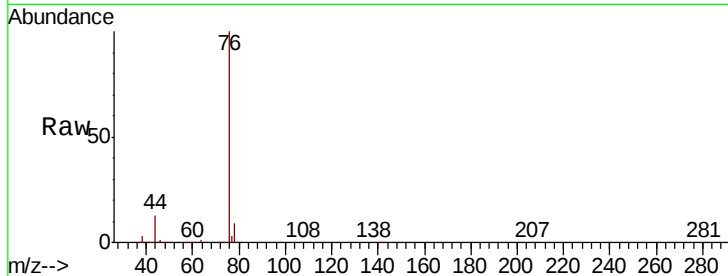
#17  
Carbon Disulfide  
Concen: 136.138 ug/l  
RT: 4.20 min Scan# 404  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.3   | 7.3   | 10.9  |

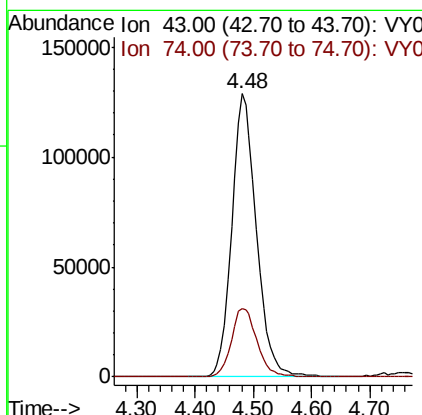
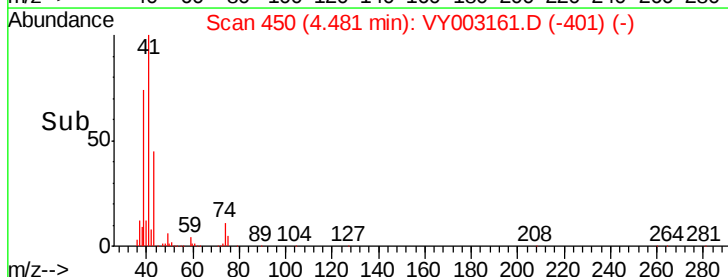
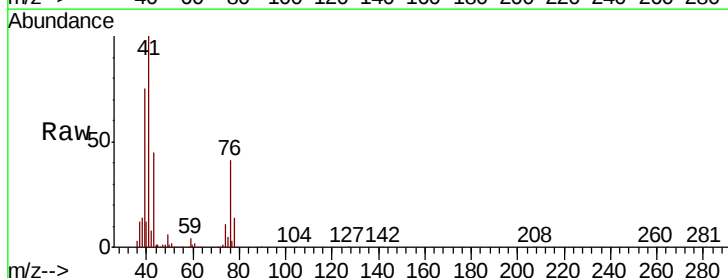
Manual Integrations  
APPROVED

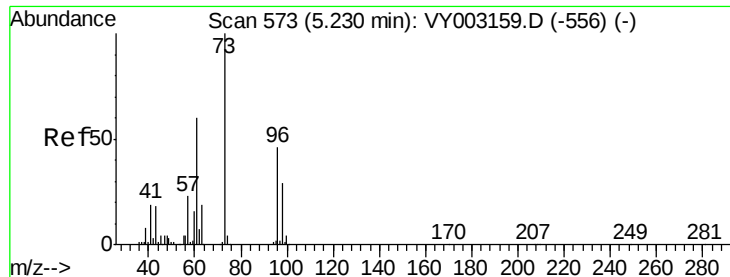
MMDadoda  
7/13/2020 10:47:42 AM



#18  
Methyl Acetate  
Concen: 124.205 ug/l  
RT: 4.48 min Scan# 450  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 25.1  | 20.8  | 31.2  |





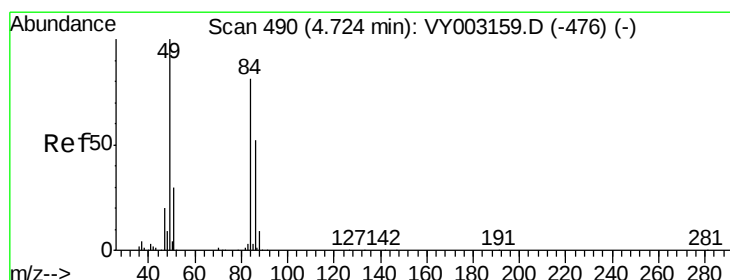
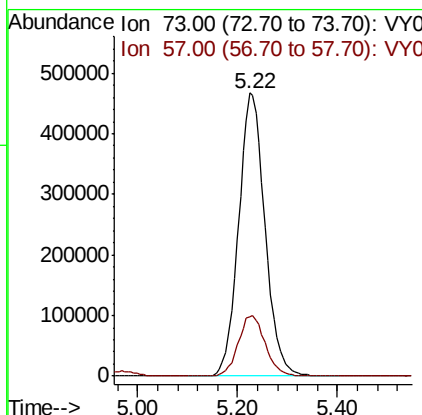
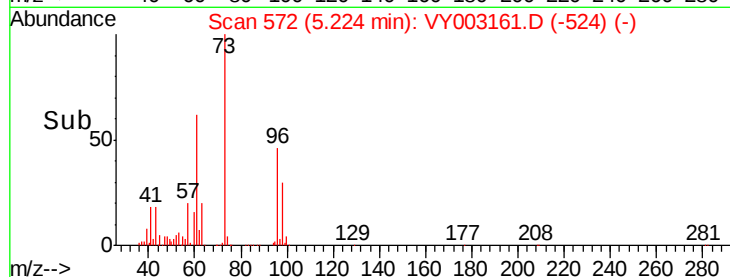
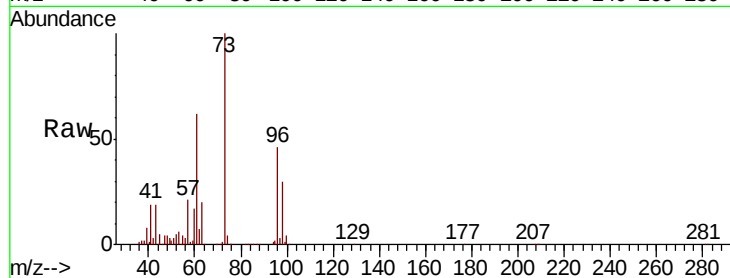
#19  
Methvl tert-butvl Ether  
Concen: 138.627 ug/l  
RT: 5.22 min Scan# 572  
Delta R.T. -0.01 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

Tot Ion: 73 Resp: 1706795  
Ion Ratio Lower Upper  
73 100  
57 21.0 18.1 27.1

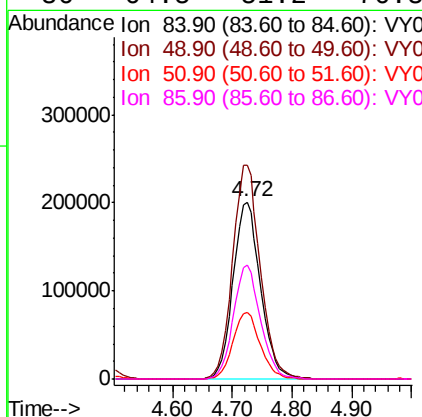
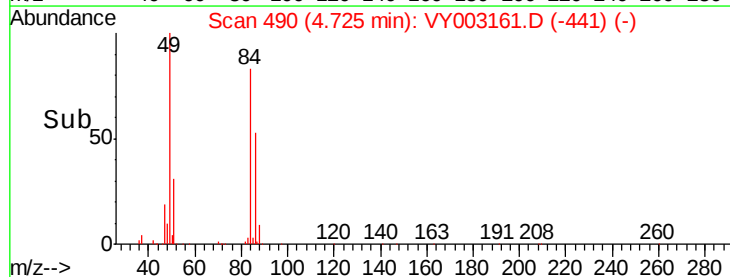
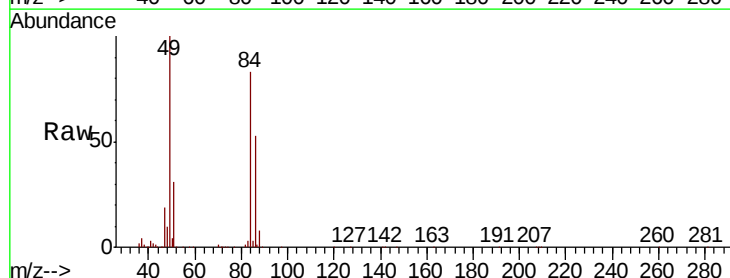
Manual Integrations  
APPROVED

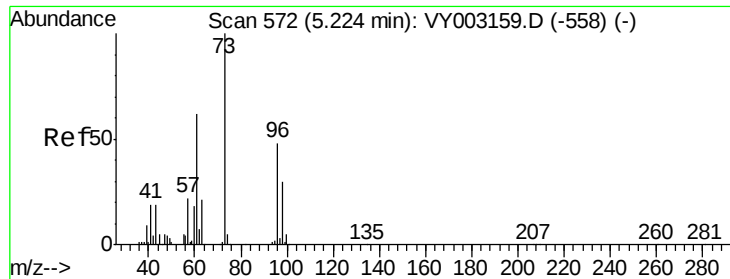
MMDadoda  
7/13/2020 10:47:42 AM



#20  
Methylene Chloride  
Concen: 100.007 ug/l  
RT: 4.72 min Scan# 490  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Tgt Ion: 84 Resp: 643344  
Ion Ratio Lower Upper  
84 100  
49 120.6 98.2 147.4  
51 37.3 29.8 44.6  
86 64.5 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 140.708 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

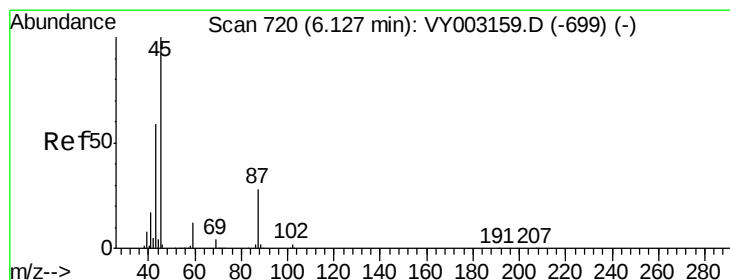
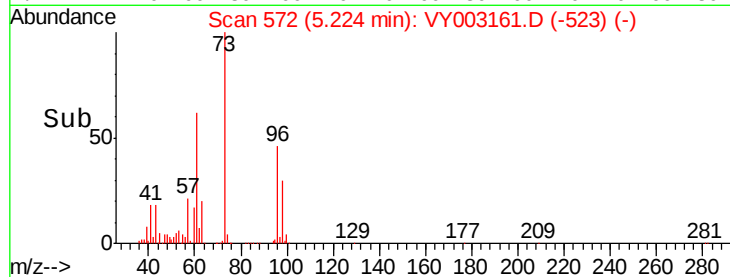
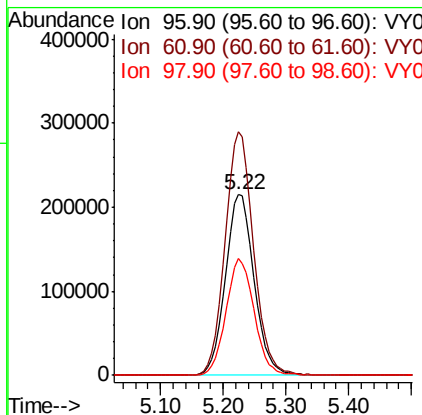
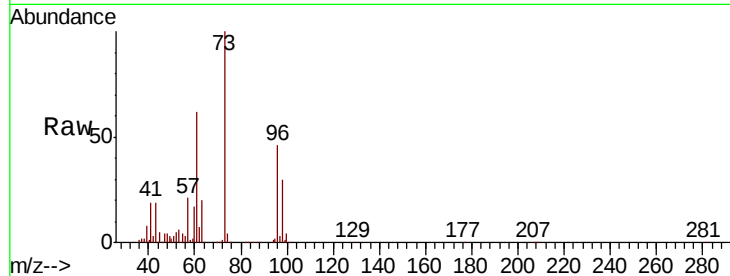
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 680080 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 134.7 | 102.5 | 153.7  |
| 98       | 64.7  | 49.8  | 74.8   |

Manual Integrations  
APPROVED

MMDadoda  
7/13/2020 10:47:42 AM



#22

Diisopropyl ether

Concen: 132.069 ug/l

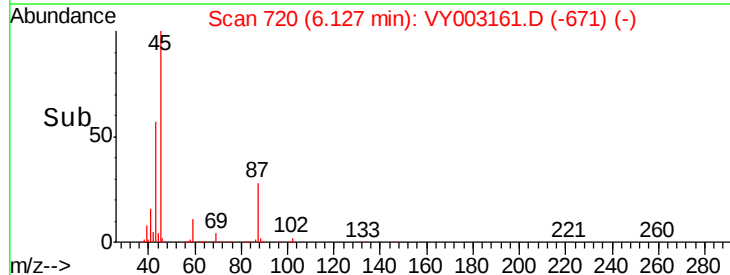
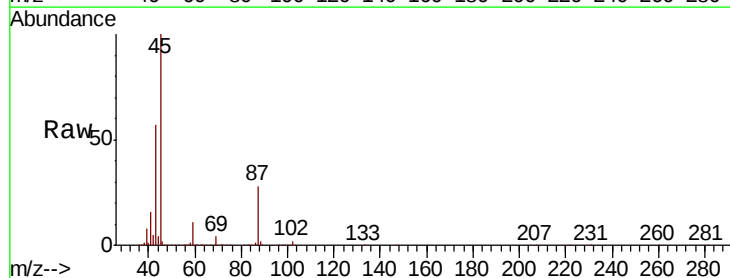
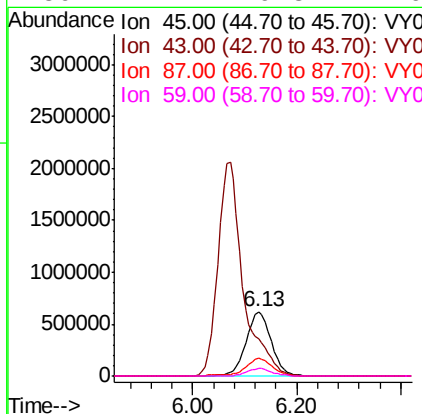
RT: 6.13 min Scan# 720

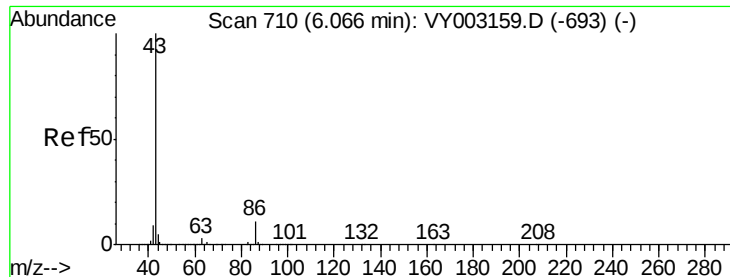
Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 45    | Resp: | 2075213 |
| Ion      | Ratio | Lower | Upper   |
| 45       | 100   |       |         |
| 43       | 56.8  | 47.0  | 70.4    |
| 87       | 27.7  | 22.6  | 33.8    |
| 59       | 11.4  | 9.8   | 14.6    |





#23

Vinyl Acetate

Concen: 669.041 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.01 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6995986

Ion Ratio Lower Upper

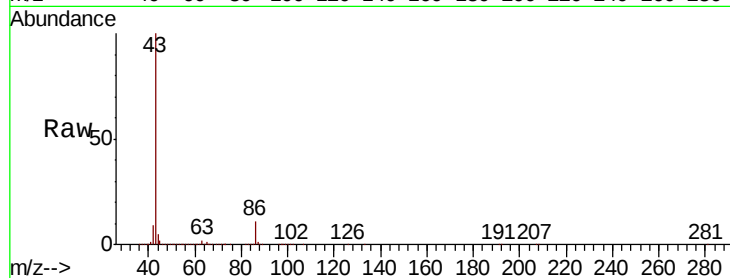
43 100

86 11.2 8.8 13.2

Manual Integrations  
APPROVED

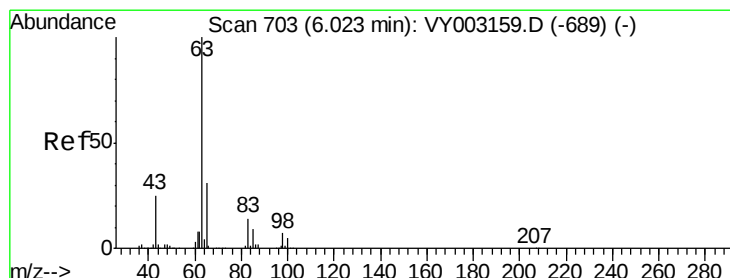
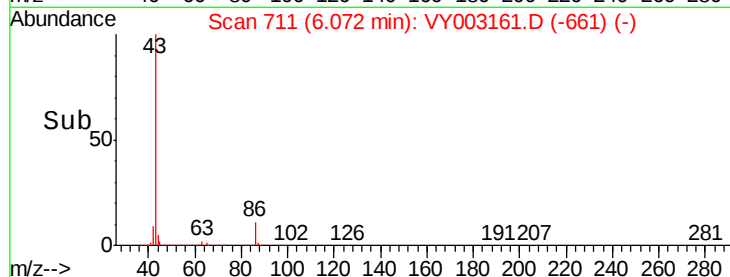
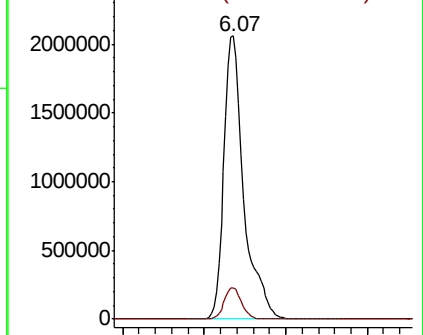
MMDadoda

7/13/2020 10:47:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 135.215 ug/l

RT: 6.02 min Scan# 703

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

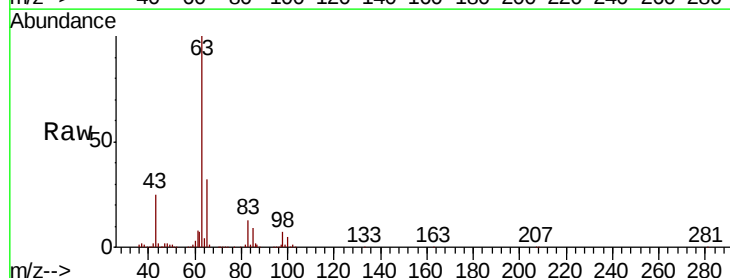
Tgt Ion: 63 Resp: 1168909

Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.8

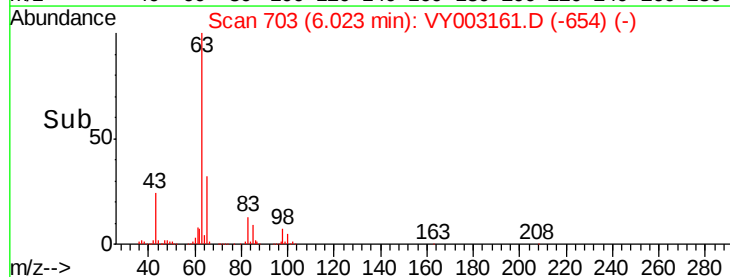
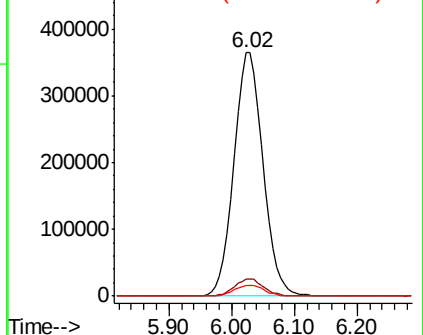
100 4.6 2.4 7.2



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: 643.625 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1146127

Ion Ratio Lower Upper

43 100

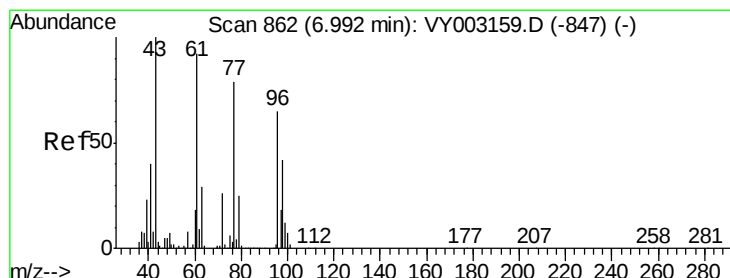
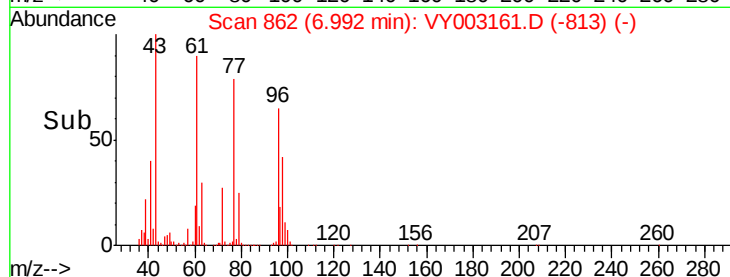
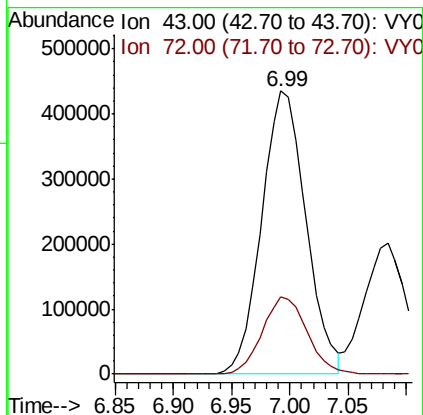
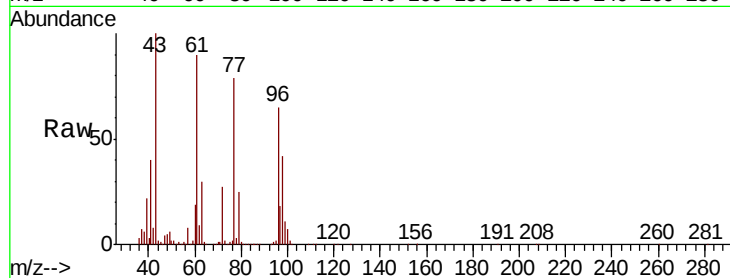
72 27.2 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

7/13/2020 10:47:42 AM



#26

2,2-Dichloropropane

Concen: 133.061 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY003161.D

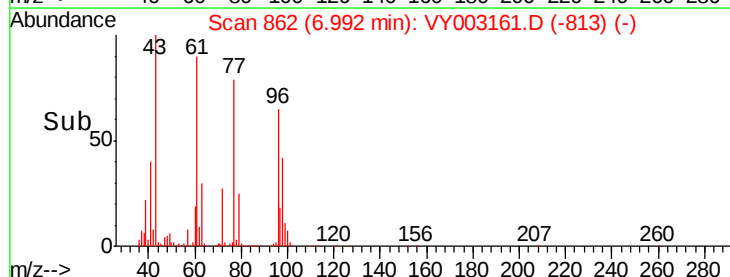
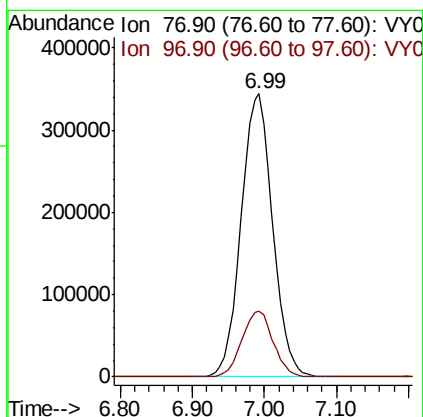
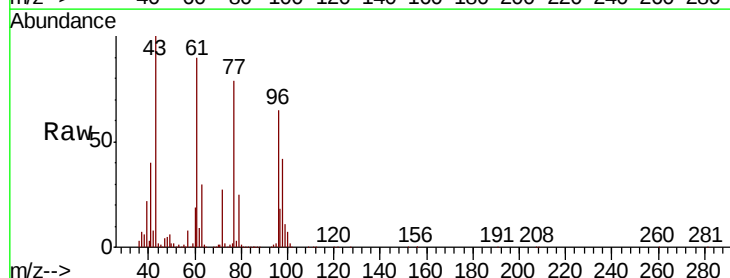
Acq: 10 Jul 2020 13:02

Tgt Ion: 77 Resp: 1044689

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.7





#27

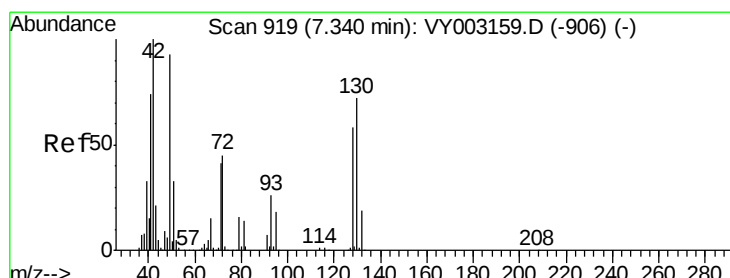
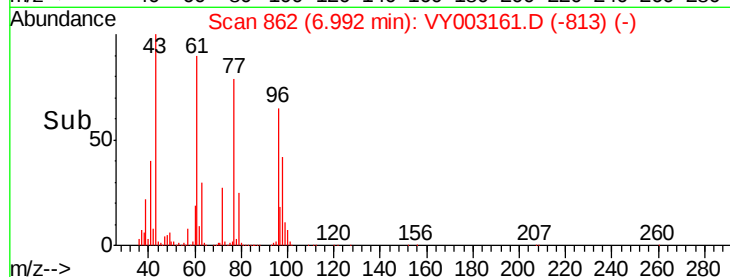
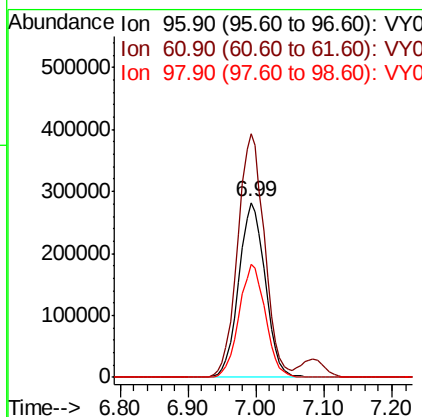
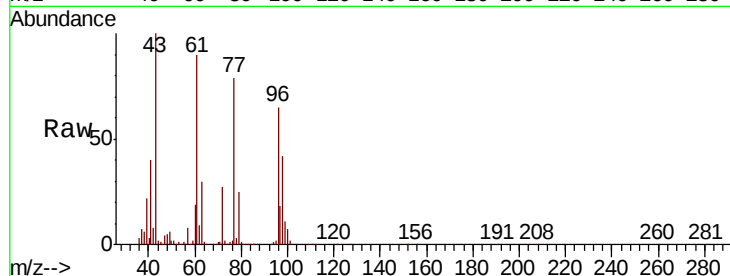
cis-1,2-Dichloroethene  
Concen: 140.510 ug/l  
RT: 6.99 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Instrument :  
MSVOA\_Y  
ClientSampled :  
VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 760138 |       |       |
| 61      | 141.4 | 0.0    | 281.2 |       |
| 98      | 64.5  | 0.0    | 129.8 |       |

Manual Integrations  
APPROVED

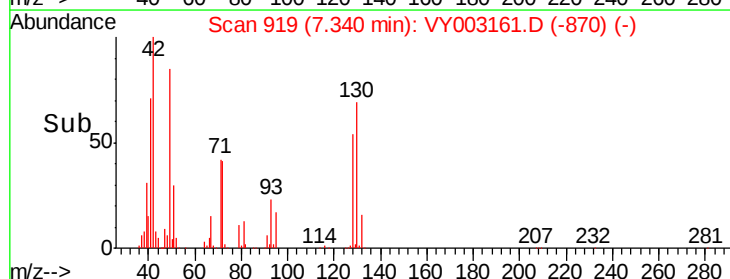
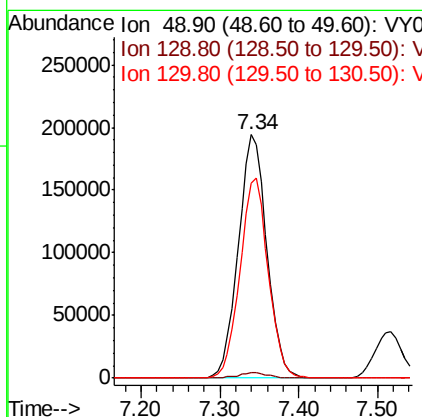
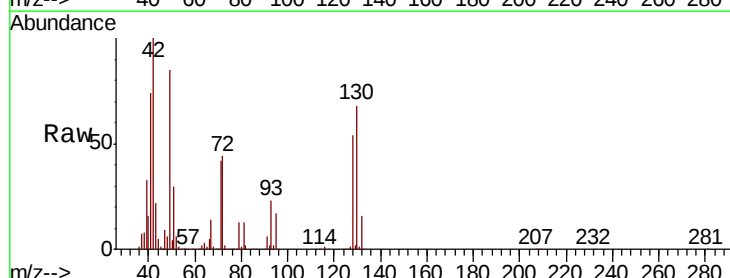
MMDadoda  
7/13/2020 10:47:42 AM

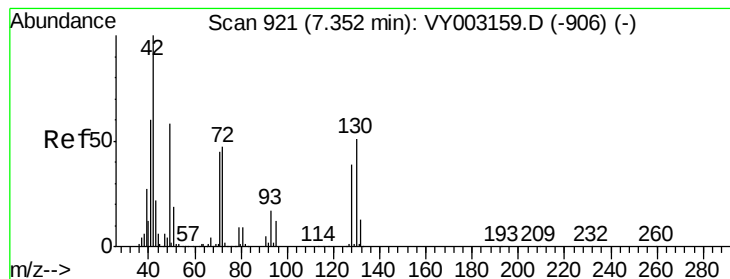


#28

Bromochloromethane  
Concen: 128.541 ug/l  
RT: 7.34 min Scan# 919  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 487717 |       |       |
| 129     | 2.4   | 0.0    | 5.0   |       |
| 130     | 81.5  | 64.9   | 97.3  |       |





#29

Tetrahydrofuran

Concen: 652.415 ug/l

RT: 7.35 min Scan# 921

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

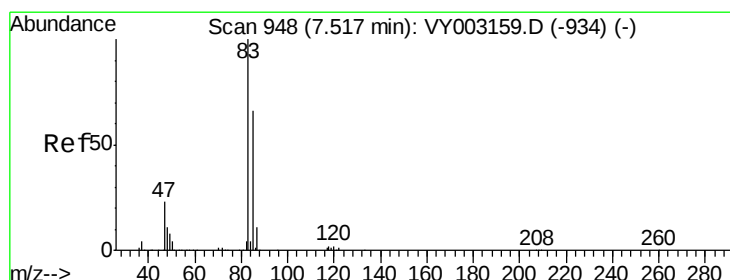
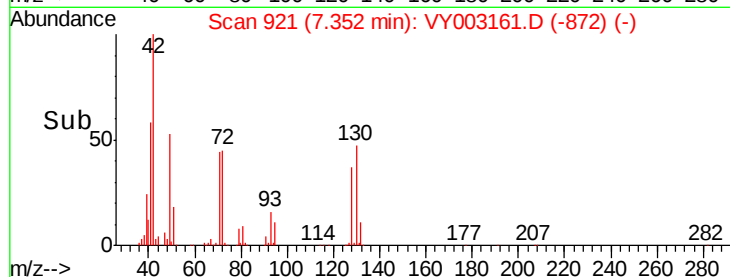
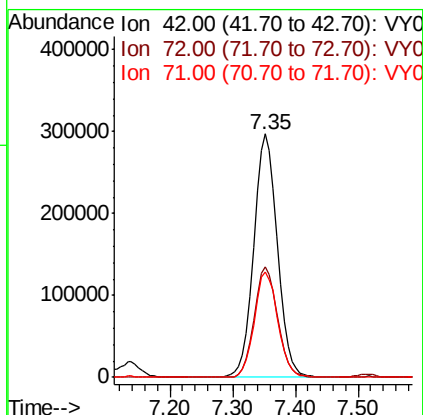
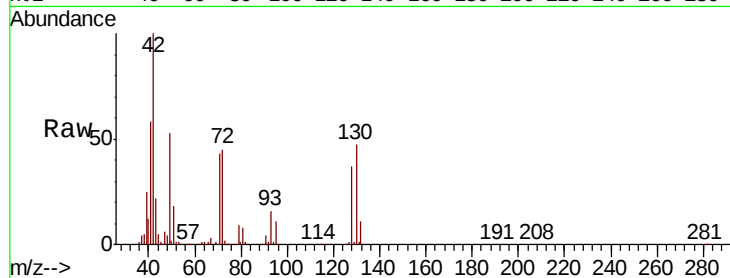
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 42    | Resp: | 773959 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 44.7  | 36.7  | 55.1   |
| 71       | 43.0  | 34.2  | 51.4   |

Manual Integrations  
APPROVED

MMDadoda  
7/13/2020 10:47:42 AM



#30

Chloroform

Concen: 137.008 ug/l

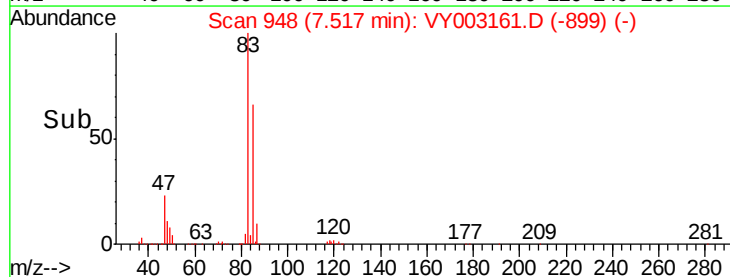
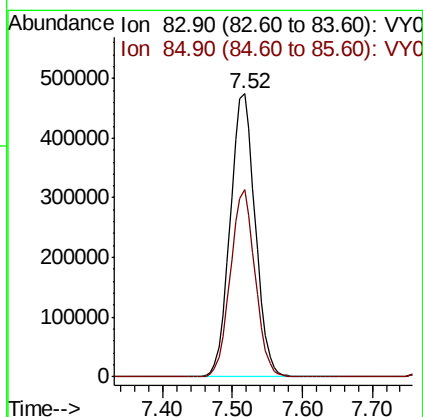
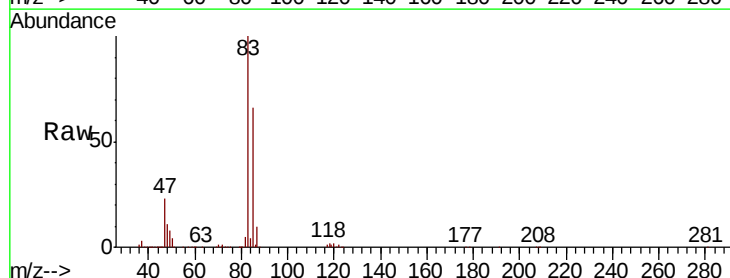
RT: 7.52 min Scan# 948

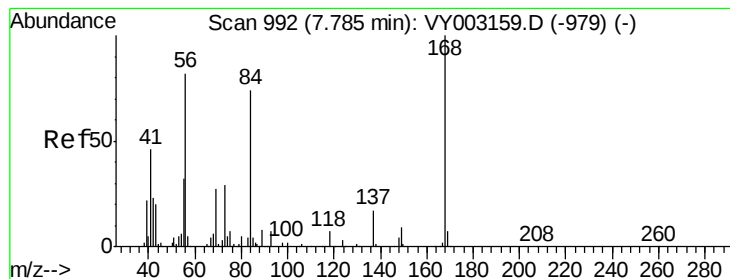
Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 83    | Resp: | 1178664 |
| Ion      | Ratio | Lower | Upper   |
| 83       | 100   |       |         |
| 85       | 66.0  | 52.6  | 78.8    |





#31

Cyclohexane

Concen: 124.843 ug/l

RT: 7.78 min Scan# 992

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1062162

Ion Ratio Lower Upper

56 100

69 30.2 26.7 40.1

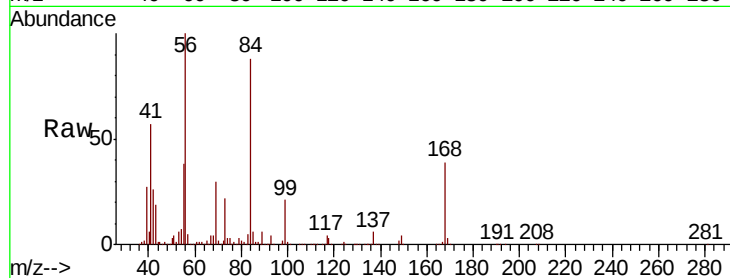
84 87.3 72.3 108.5

Manual Integrations

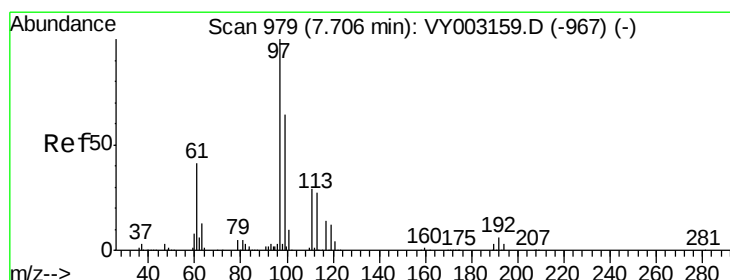
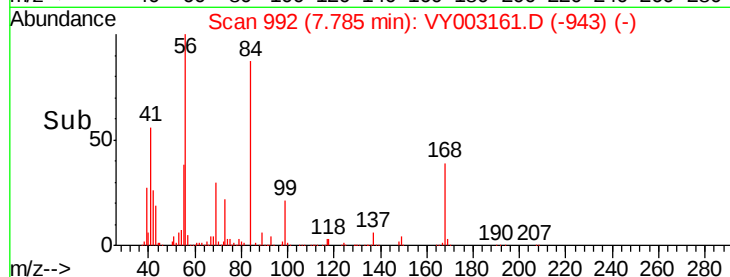
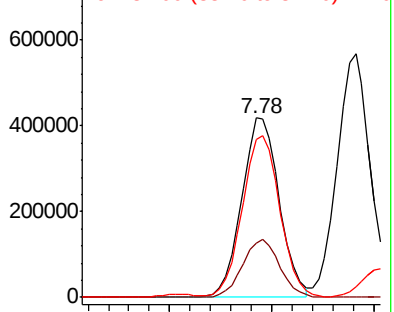
APPROVED

MMDadoda

7/13/2020 10:47:42 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0  
Ion 69.00 (68.70 to 69.70): VY0  
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 137.840 ug/l

RT: 7.71 min Scan# 979

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

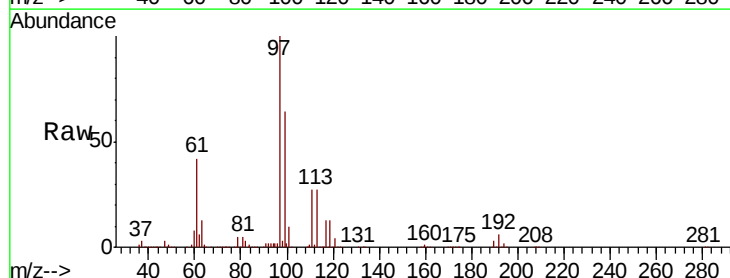
Tgt Ion: 97 Resp: 1080194

Ion Ratio Lower Upper

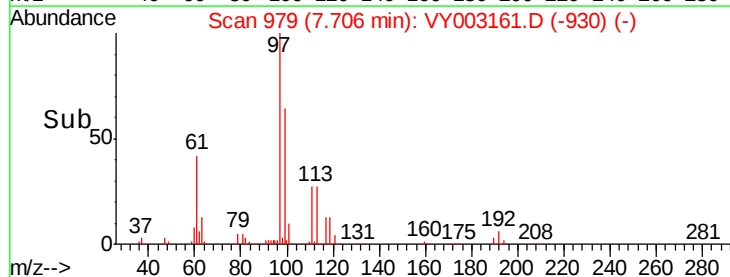
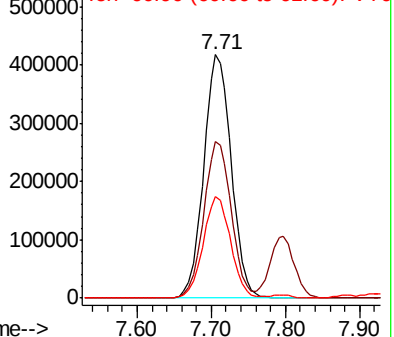
97 100

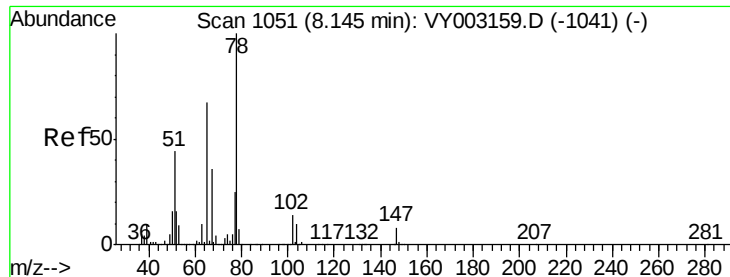
99 64.1 52.1 78.1

61 41.4 33.9 50.9



Abundance Ion 96.90 (96.60 to 97.60): VY0  
Ion 98.90 (98.60 to 99.60): VY0  
Ion 60.90 (60.60 to 61.60): VY0





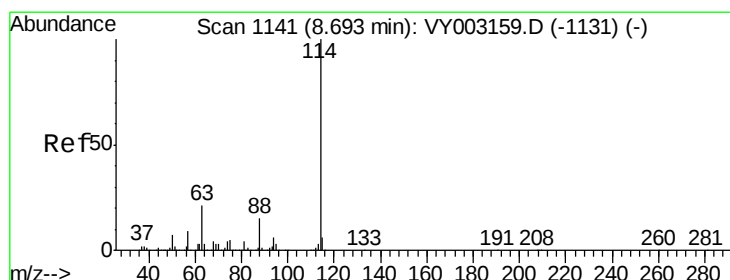
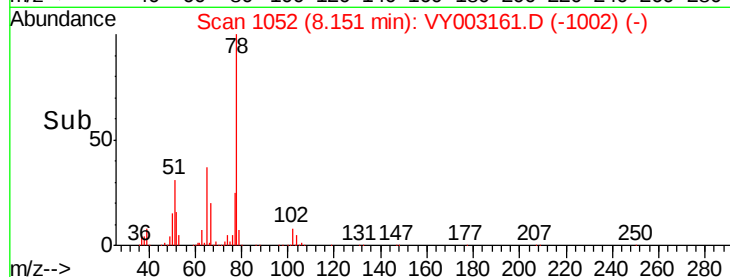
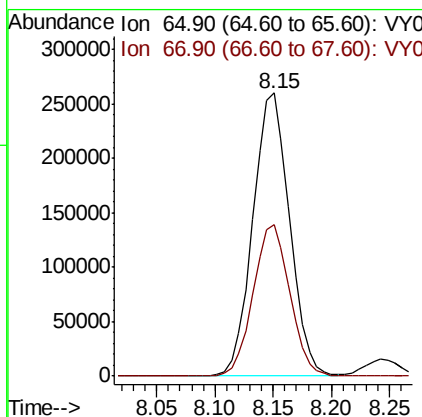
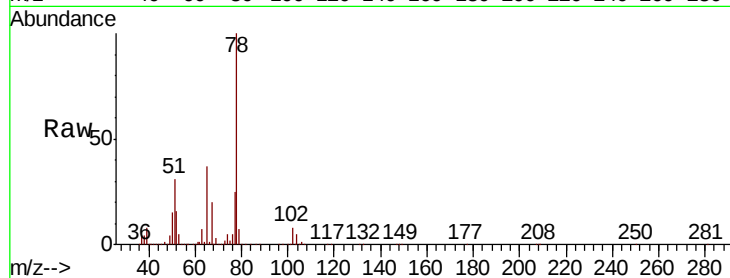
#33  
 1,2-Dichloroethane-d4  
 Concen: 119.395 ug/l  
 RT: 8.15 min Scan# 1052  
 Delta R.T. 0.01 min  
 Lab File: VY003161.D  
 Acq: 10 Jul 2020 13:02

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 53.4  | 0.0  | 105.2 |       |

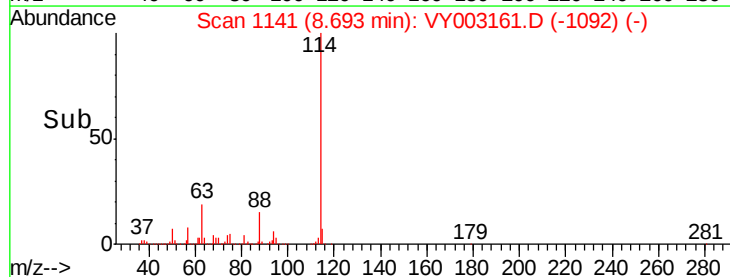
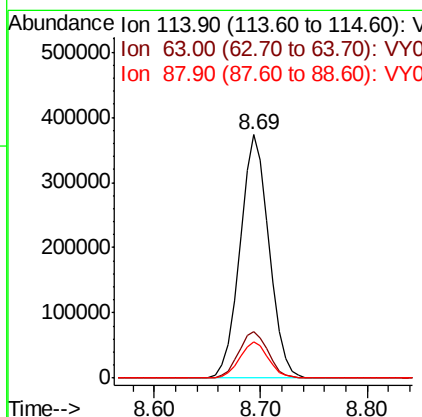
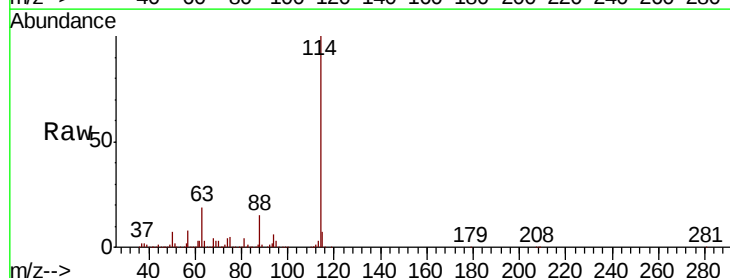
Manual Integrations  
 APPROVED

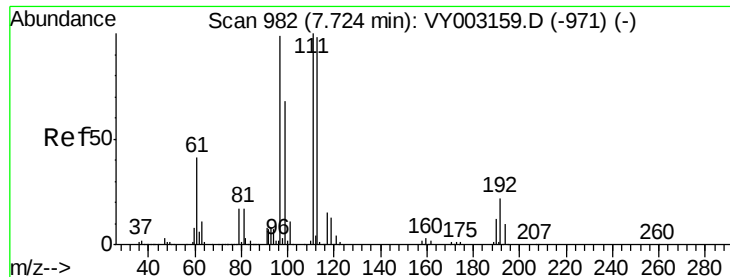
MMDadoda  
 7/13/2020 10:47:42 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: VY003161.D  
 Acq: 10 Jul 2020 13:02

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 19.0  | 0.0  | 41.2  |       |
| 88      | 14.9  | 0.0  | 30.2  |       |





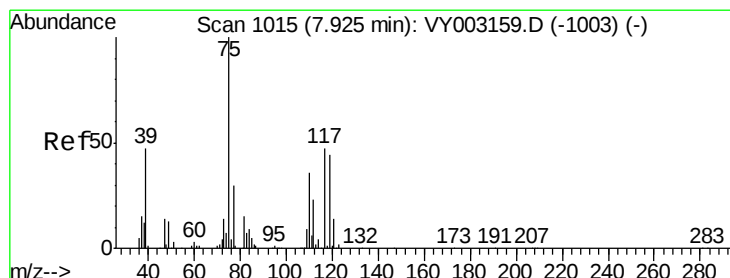
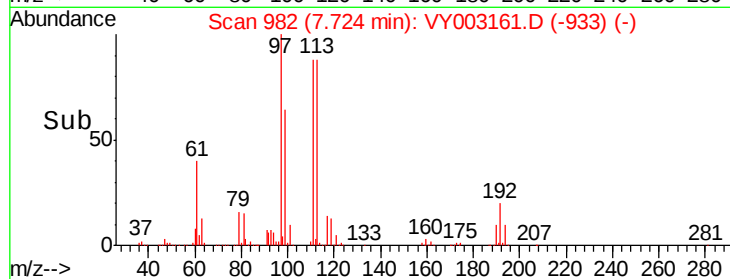
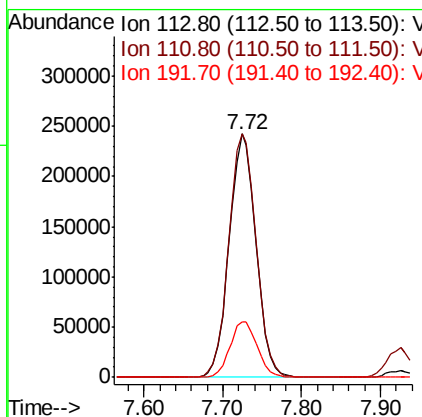
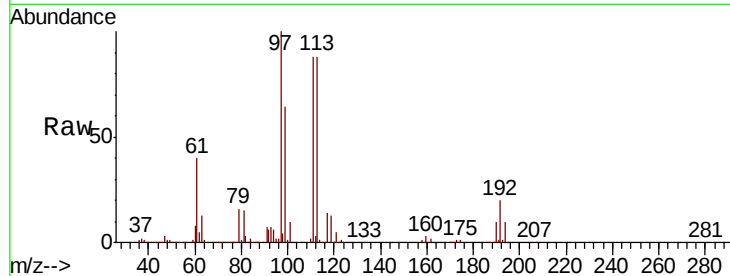
#35  
 Dibromofluoromethane  
 Concen: 132.163 ug/l  
 RT: 7.72 min Scan# 982  
 Delta R.T. 0.00 min  
 Lab File: VY003161.D  
 Acq: 10 Jul 2020 13:02

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 572023 |       |       |
| 111     | 102.0 |        | 82.1  | 123.1 |
| 192     | 23.2  |        | 18.8  | 28.2  |

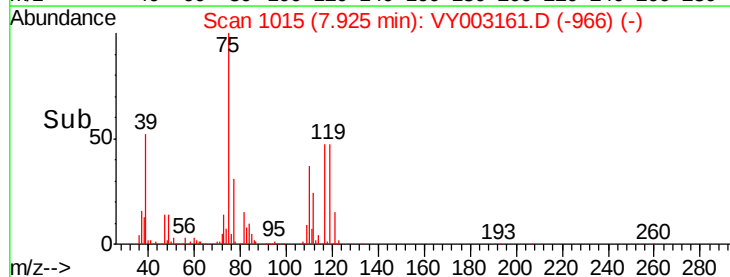
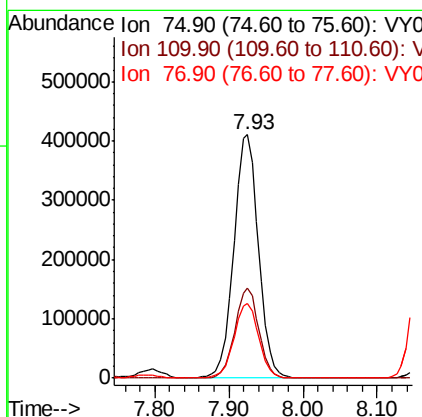
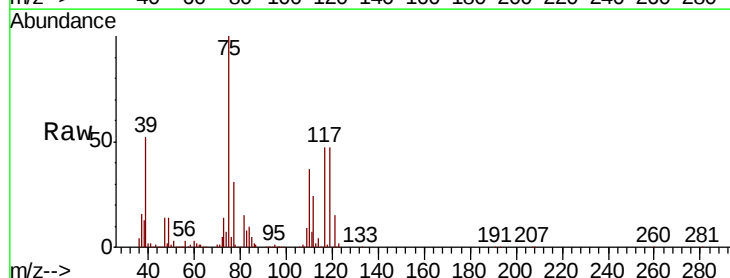
Manual Integrations  
 APPROVED

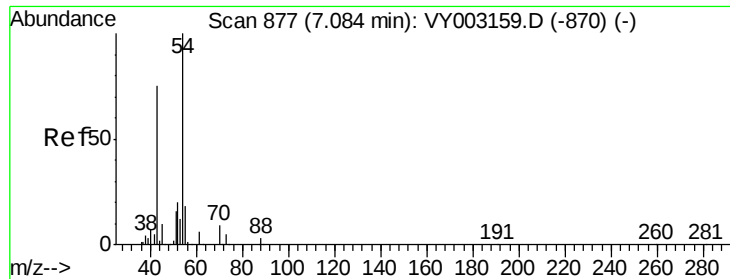
MMDadoda  
 7/13/2020 10:47:42 AM



#36  
 1,1-Dichloropropene  
 Concen: 140.380 ug/l  
 RT: 7.93 min Scan# 1015  
 Delta R.T. 0.00 min  
 Lab File: VY003161.D  
 Acq: 10 Jul 2020 13:02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 946689 |       |       |
| 110     | 36.1  |        | 18.1  | 54.1  |
| 77      | 30.9  |        | 24.8  | 37.2  |





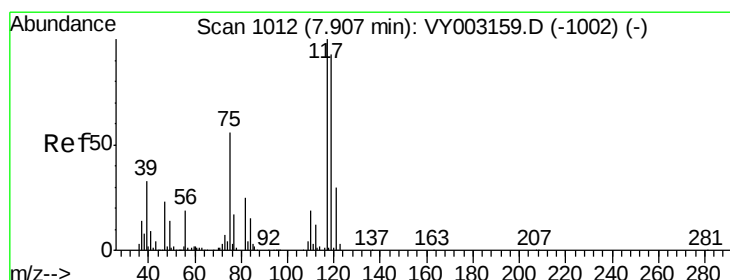
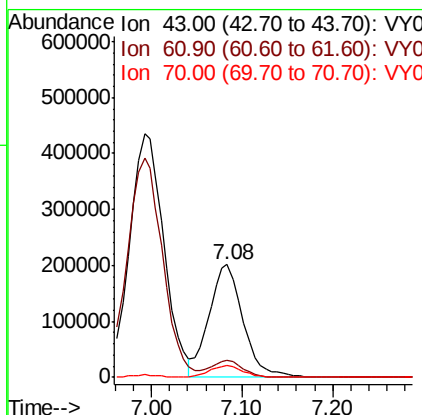
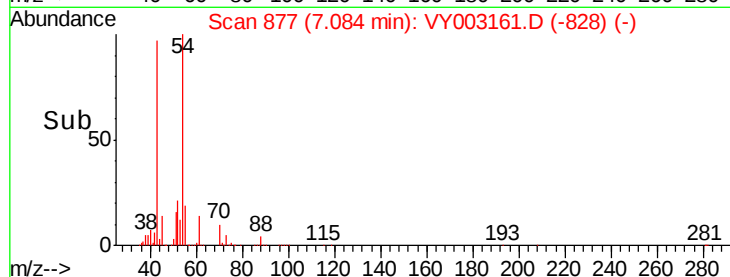
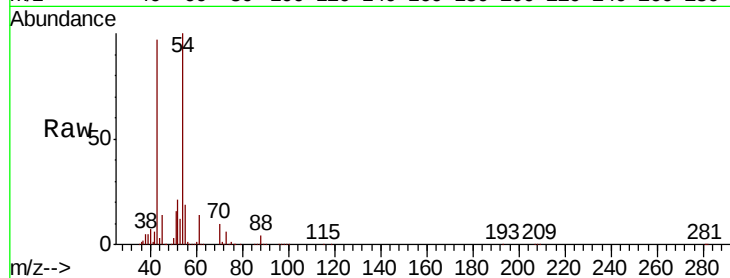
#37  
Ethyl Acetate  
Concen: 132.789 ug/l  
RT: 7.08 min Scan# 877  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.9  | 11.8  | 17.6  |
| 70      | 10.1  | 8.6   | 13.0  |

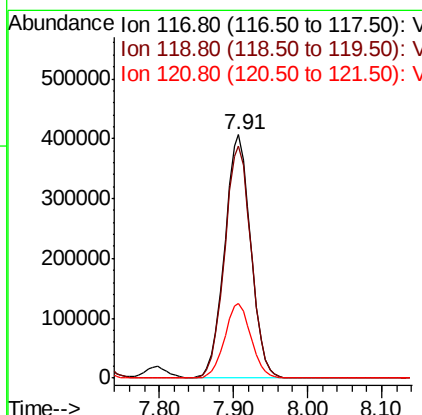
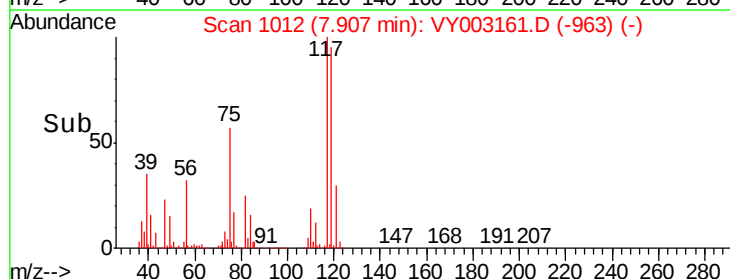
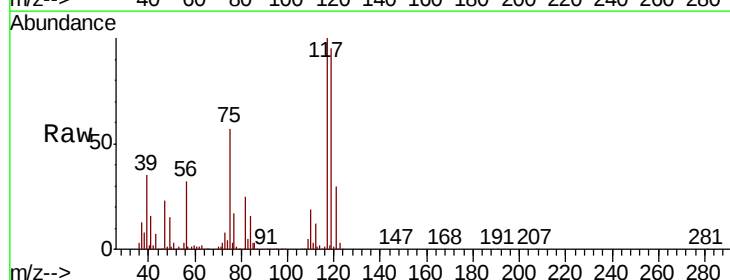
Manual Integrations  
APPROVED

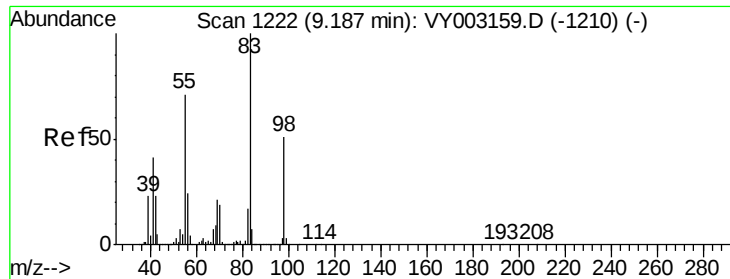
MMDadoda  
7/13/2020 10:47:42 AM



#38  
Carbon Tetrachloride  
Concen: 141.475 ug/l  
RT: 7.91 min Scan# 1012  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.2  | 74.5  | 111.7 |
| 121     | 30.5  | 24.2  | 36.2  |





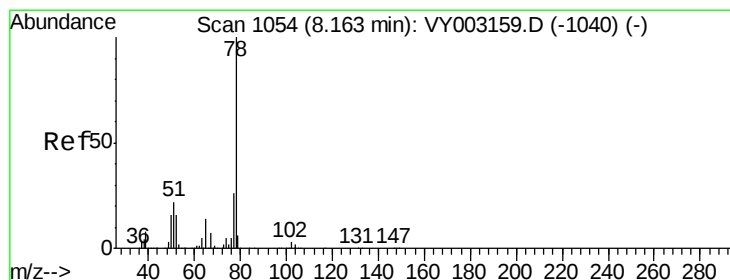
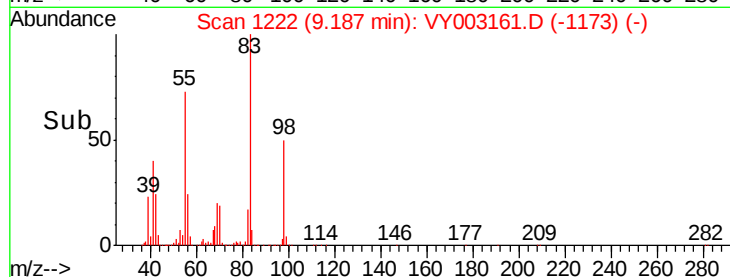
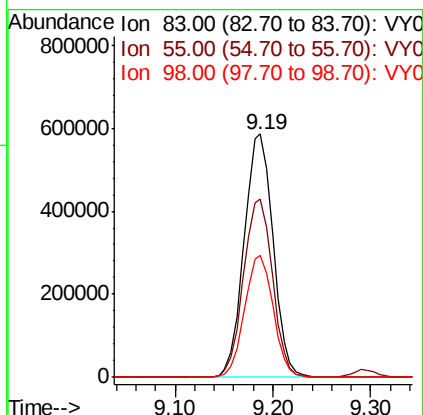
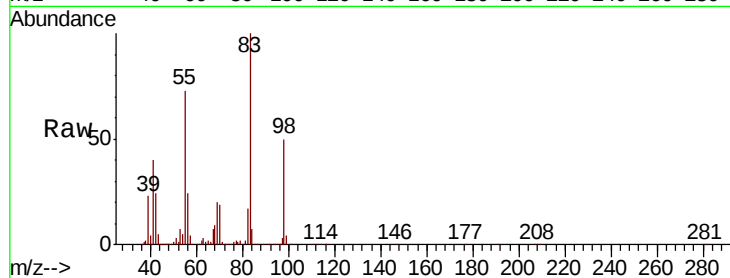
#39  
Methylvlcyclohexane  
Concen: 144.514 ug/l  
RT: 9.19 min Scan# 1222  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 73.2  | 57.2  | 85.8  |
| 98      | 50.3  | 41.0  | 61.6  |

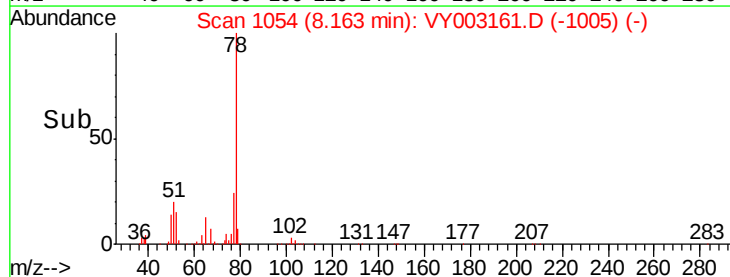
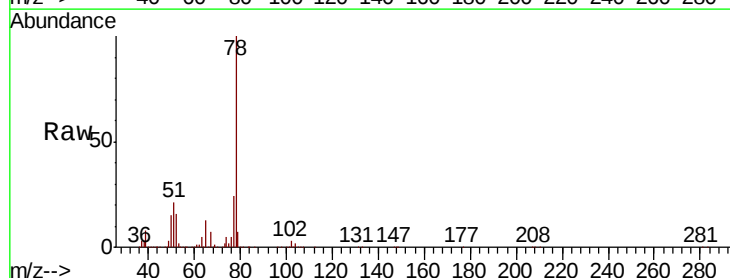
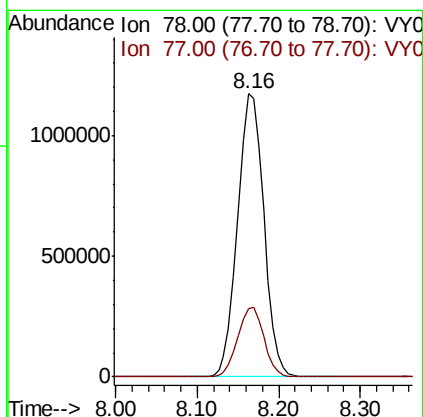
Manual Integrations  
APPROVED

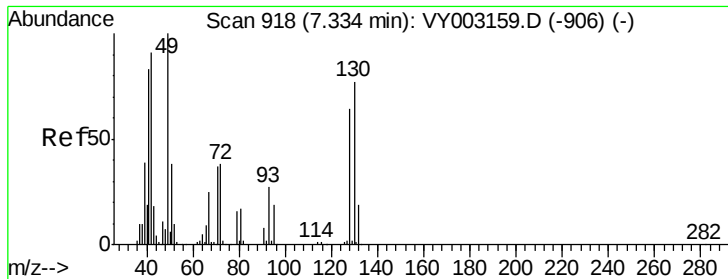
MMDadoda  
7/13/2020 10:47:42 AM



#40  
Benzene  
Concen: 141.881 ug/l  
RT: 8.16 min Scan# 1054  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.1  | 20.7  | 31.1  |





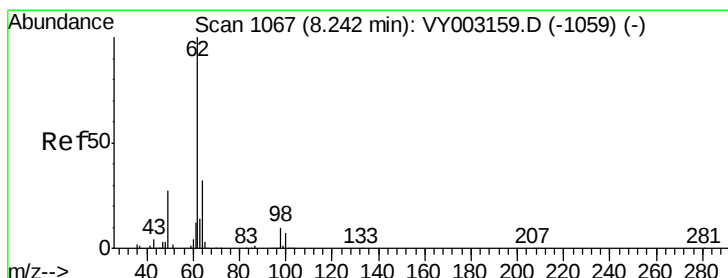
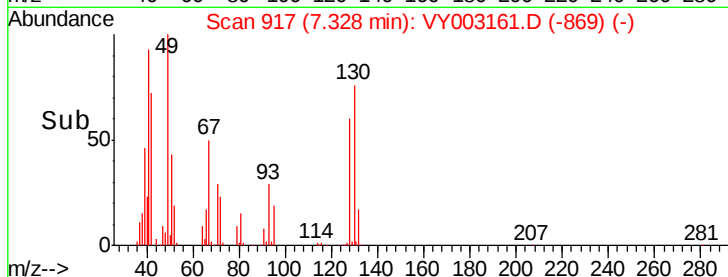
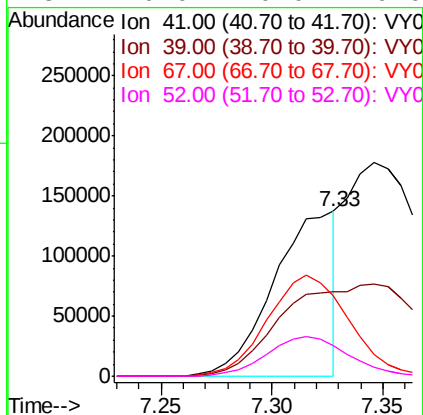
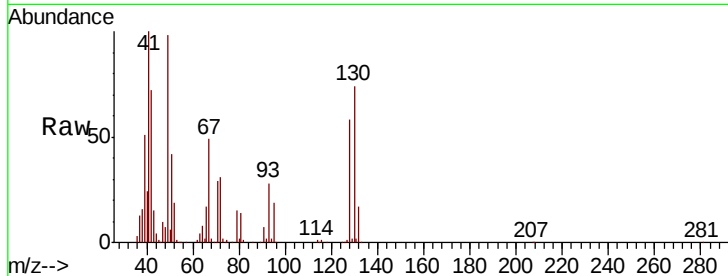
#41  
Methacrylonitrile  
Concen: 128.275 ug/l m  
RT: 7.33 min Scan# 917  
Delta R.T. -0.01 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | 41    | Resp  | 271546 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 41      | 100   |       |        |
| 39      | 122.7 | 83.3  | 124.9  |
| 67      | 0.0   | 0.0   | 0.0    |
| 52      | 0.0   | 0.0   | 0.0    |

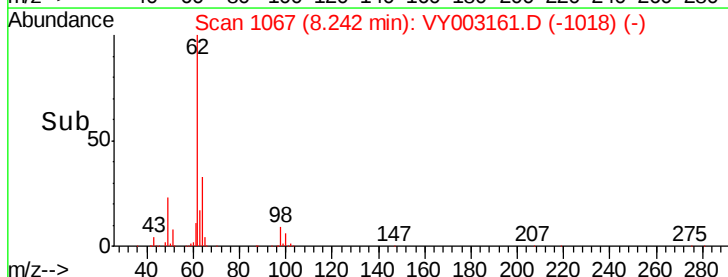
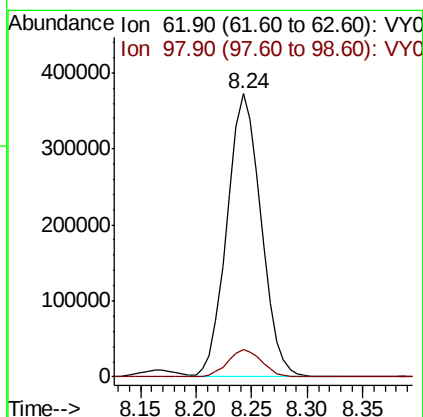
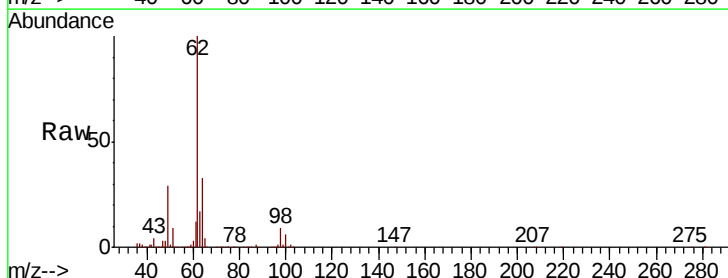
Manual Integrations  
APPROVED

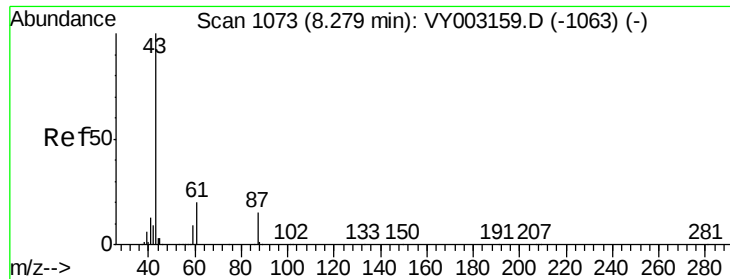
MMDadoda  
7/13/2020 10:47:42 AM



#42  
1,2-Dichloroethane  
Concen: 136.219 ug/l  
RT: 8.24 min Scan# 1067  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

| Tgt Ion | 62    | Resp  | 790583 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 62      | 100   |       |        |
| 98      | 9.6   | 0.0   | 19.0   |





#43

Isopropyl Acetate

Concen: 133.316 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1007309

Ion Ratio Lower Upper

43 100

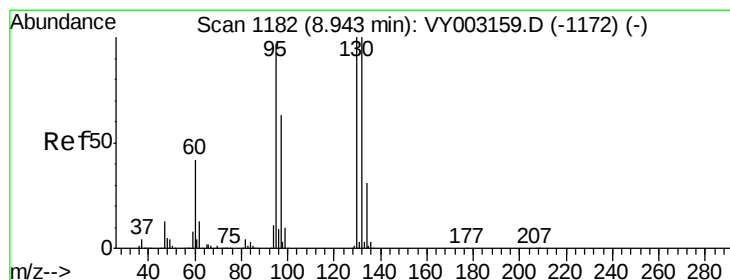
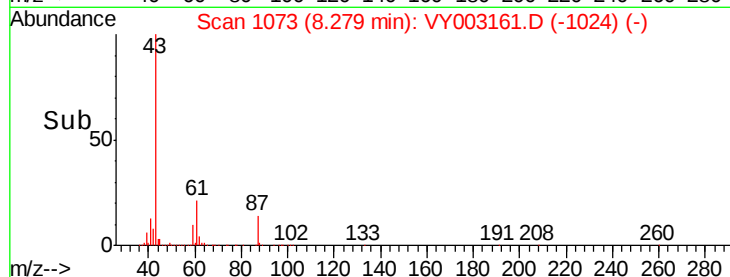
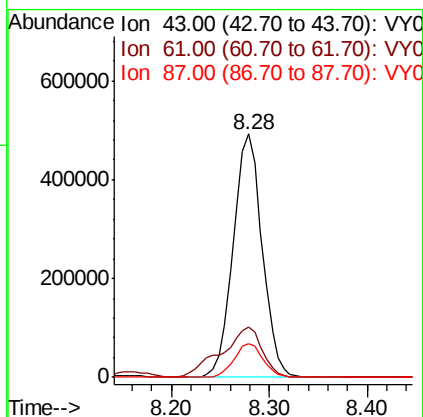
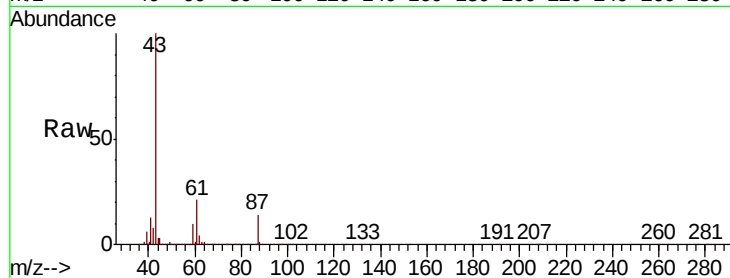
61 29.2 23.7 35.5

87 13.9 11.4 17.0

Manual Integrations  
APPROVED

MMDadoda

7/13/2020 10:47:42 AM



#44

Trichloroethene

Concen: 145.532 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY003161.D

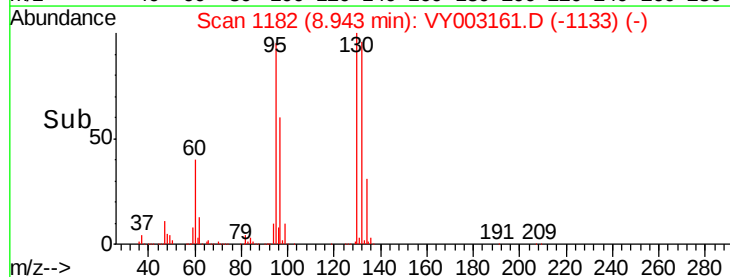
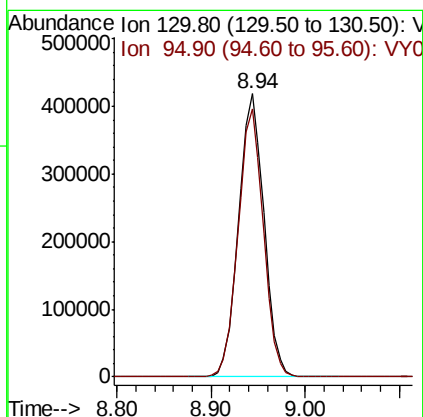
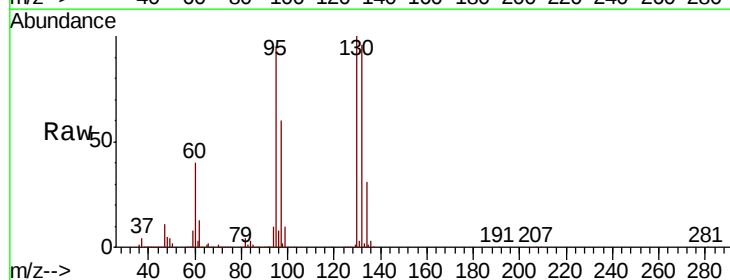
Acq: 10 Jul 2020 13:02

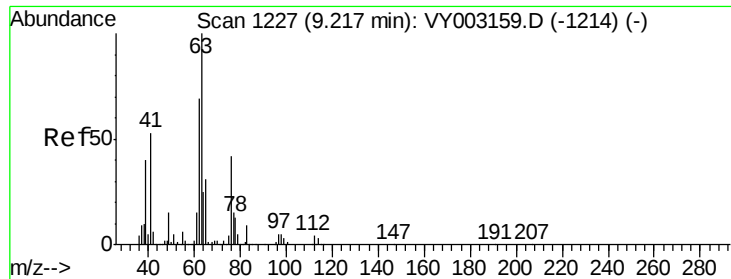
Tgt Ion:130 Resp: 788002

Ion Ratio Lower Upper

130 100

95 94.6 0.0 193.8





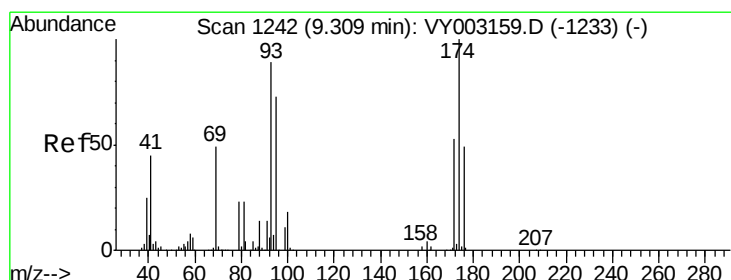
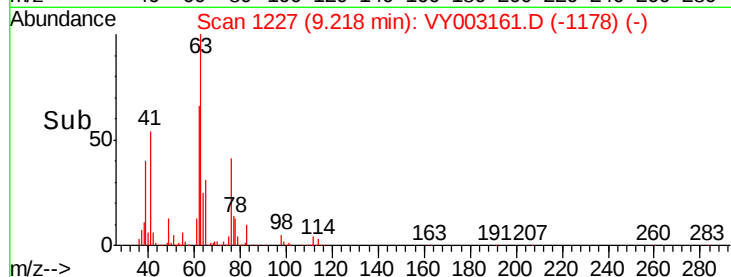
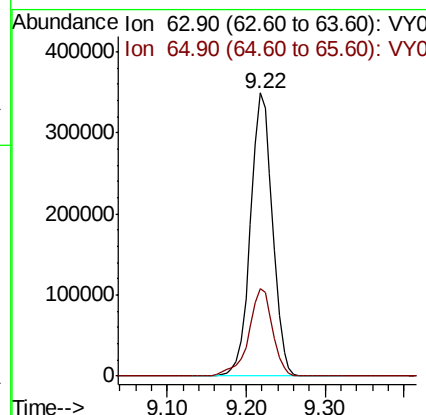
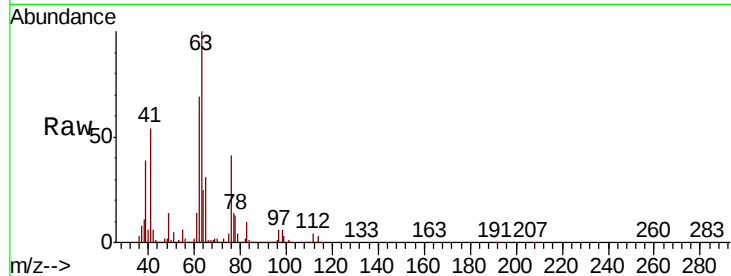
#45  
 1,2-Dichloropropane  
 Concen: 136.886 ug/l  
 RT: 9.22 min Scan# 1227  
 Delta R.T. 0.00 min  
 Lab File: VY003161.D  
 Acq: 10 Jul 2020 13:02

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.1  | 25.0  | 37.4  |

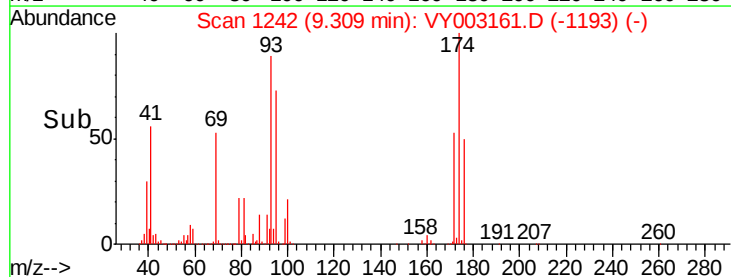
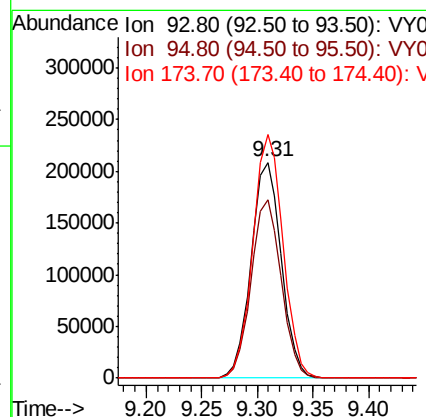
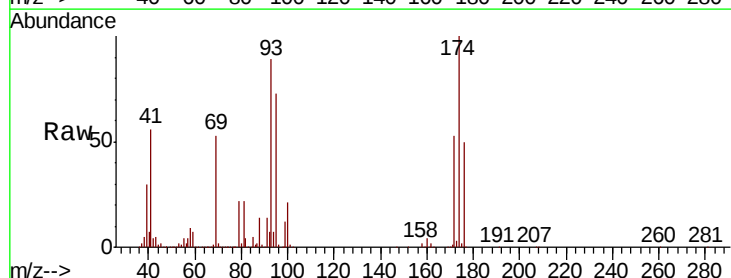
Manual Integrations  
 APPROVED

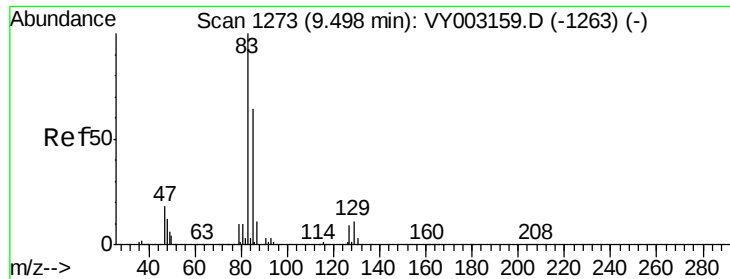
MMDadoda  
 7/13/2020 10:47:42 AM



#46  
 Dibromomethane  
 Concen: 141.799 ug/l  
 RT: 9.31 min Scan# 1242  
 Delta R.T. 0.00 min  
 Lab File: VY003161.D  
 Acq: 10 Jul 2020 13:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.7  | 66.6  | 99.8  |
| 174     | 113.1 | 90.2  | 135.4 |





#47

Bromodichloromethane

Concen: 140.932 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

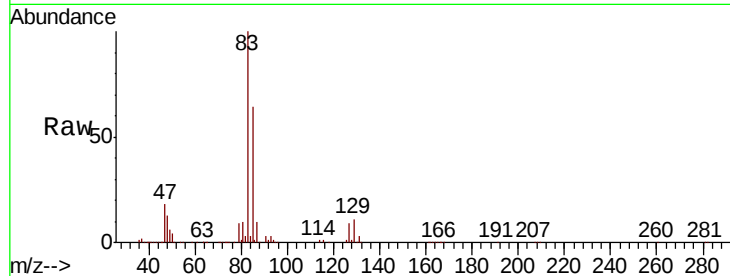
ClientSampleId :

VSTDIC150

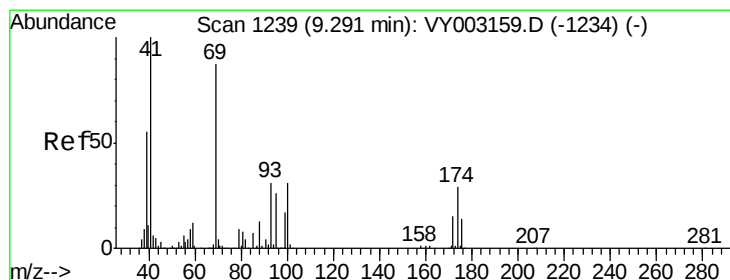
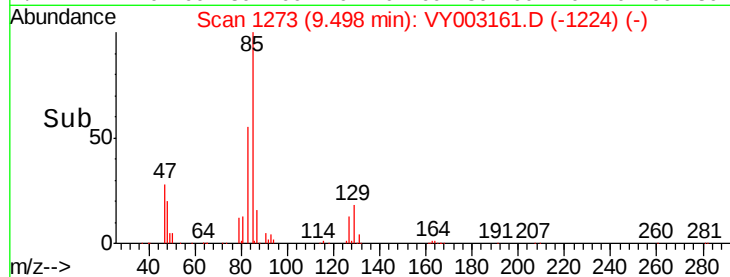
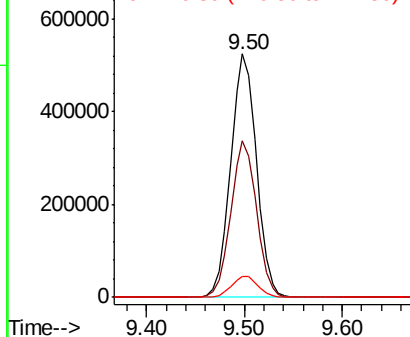
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 954696 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.3  | 50.9  | 76.3   |
| 127       | 8.6   | 7.0   | 10.4   |

Manual Integrations  
APPROVED

MMDadoda  
7/13/2020 10:47:42 AM



Abundance Ion 82.90 (82.60 to 83.60): VY0  
Ion 84.90 (84.60 to 85.60): VY0  
Ion 126.80 (126.50 to 127.50): VY0



#48

Methyl methacrylate

Concen: 135.244 ug/l

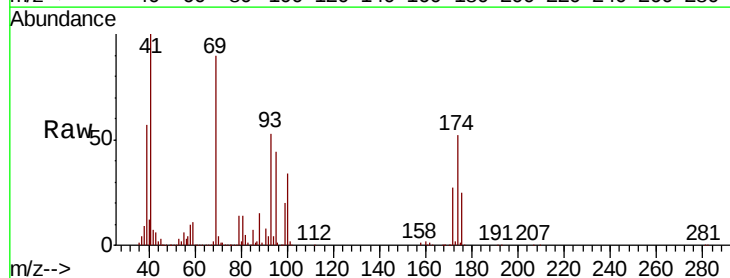
RT: 9.30 min Scan# 1240

Delta R.T. 0.01 min

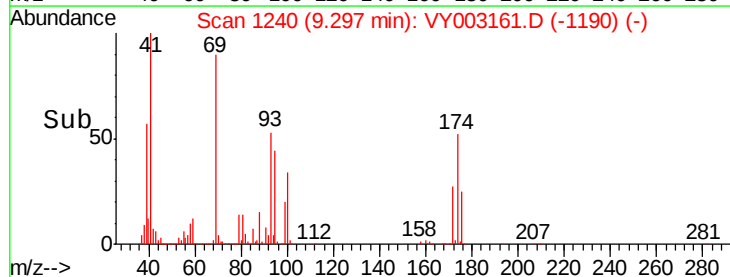
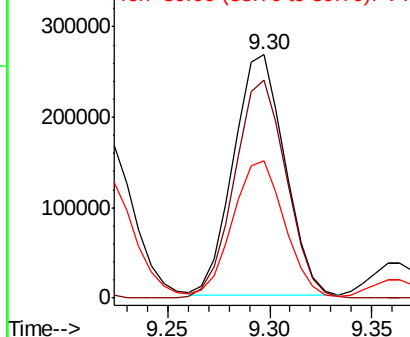
Lab File: VY003161.D

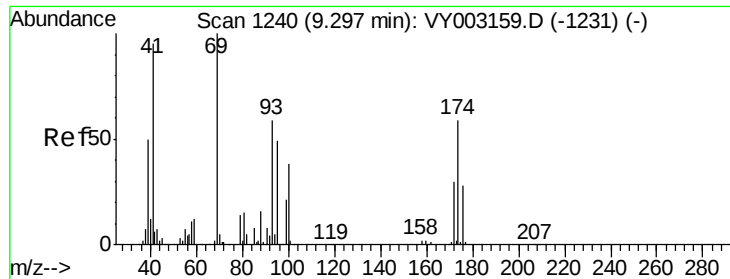
Acq: 10 Jul 2020 13:02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 465158 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 91.7  | 74.5  | 111.7  |
| 39        | 56.6  | 47.5  | 71.3   |



Abundance Ion 41.00 (40.70 to 41.70): VY0  
Ion 69.00 (68.70 to 69.70): VY0  
Ion 39.00 (38.70 to 39.70): VY0





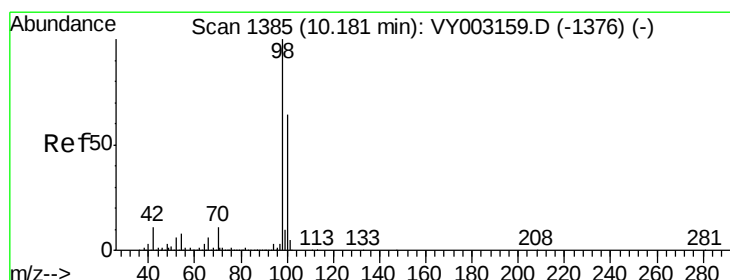
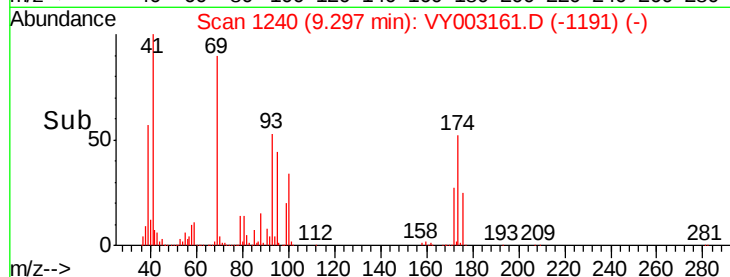
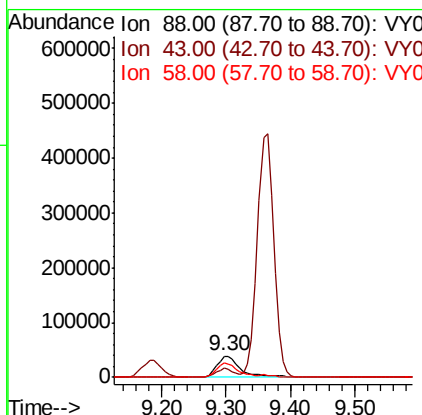
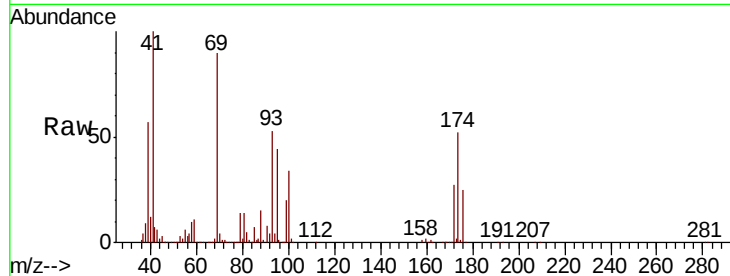
#49  
1,4-Dioxane  
Concen: 3055.938 ug/l  
RT: 9.30 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | 88    | Resp  | 104912 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 88      | 100   |       |        |
| 43      | 29.4  | 25.6  | 38.4   |
| 58      | 70.0  | 47.8  | 71.6   |

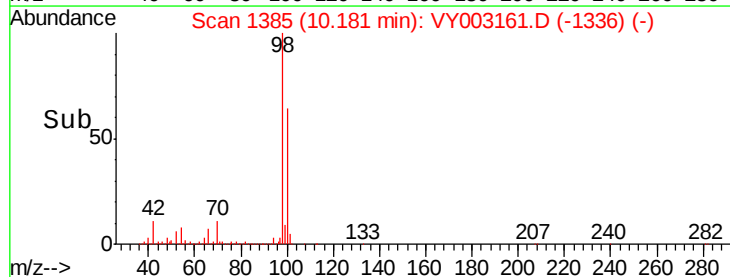
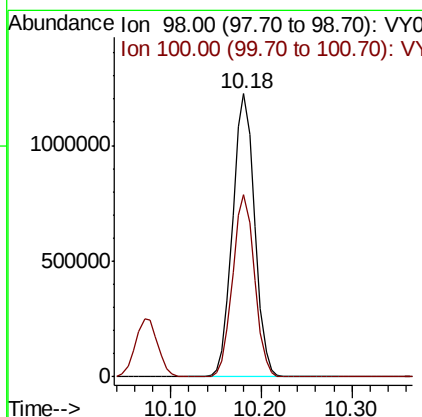
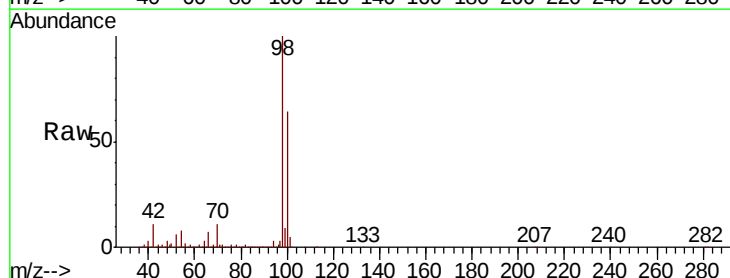
Manual Integrations  
APPROVED

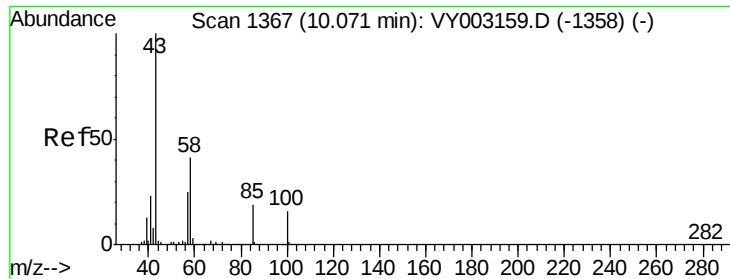
MMDadoda  
7/13/2020 10:47:42 AM



#50  
Toluene-d8  
Concen: 128.358 ug/l  
RT: 10.18 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

| Tgt Ion | 98    | Resp  | 2060673 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 98      | 100   |       |         |
| 100     | 64.1  | 50.7  | 76.1    |





#51

4-Methyl-2-Pentanone

Concen: 671.741 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2628564

Ion Ratio Lower Upper

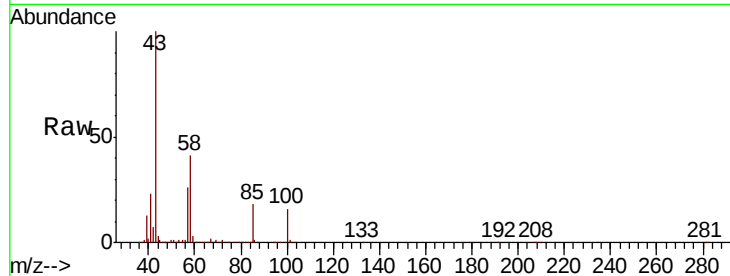
43 100

58 41.1 32.7 49.1

Manual Integrations  
APPROVED

MMDadoda

7/13/2020 10:47:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VY003159.D (-1358) (-)

Ion 58.00 (57.70 to 58.70): VY003159.D (-1358) (-)

1500000

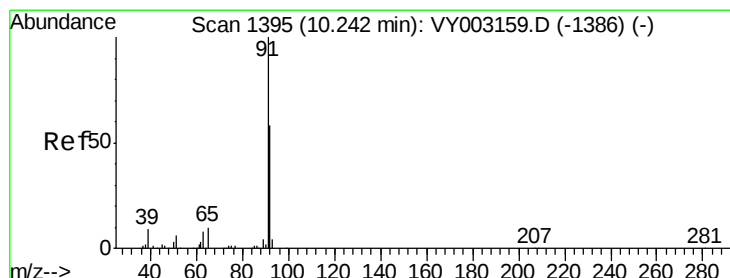
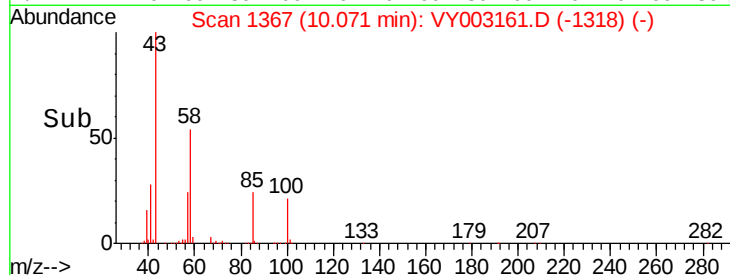
1000000

500000

0

10.07

Time-->



#52

Toluene

Concen: 145.068 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY003161.D

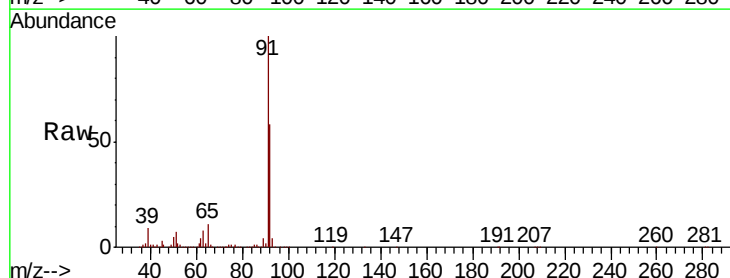
Acq: 10 Jul 2020 13:02

Tgt Ion: 92 Resp: 1692681

Ion Ratio Lower Upper

92 100

91 174.3 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VY003159.D (-1386) (-)

Ion 91.00 (90.70 to 91.70): VY003159.D (-1386) (-)

2000000

1500000

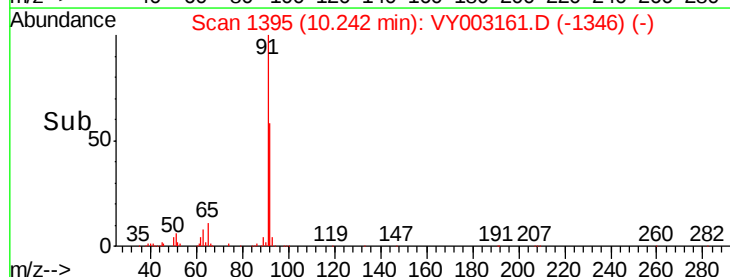
1000000

500000

0

10.24

Time-->





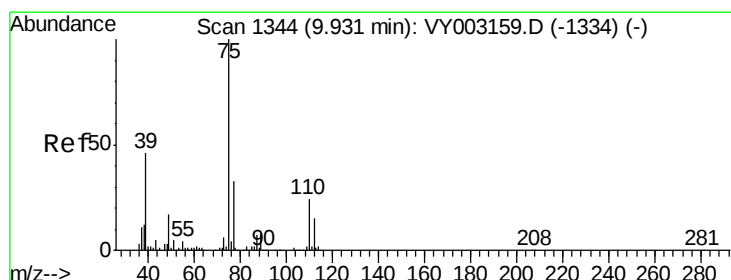
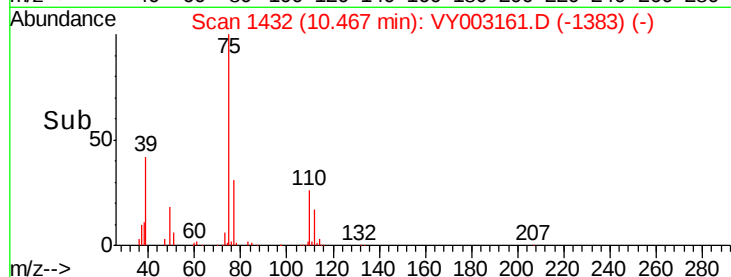
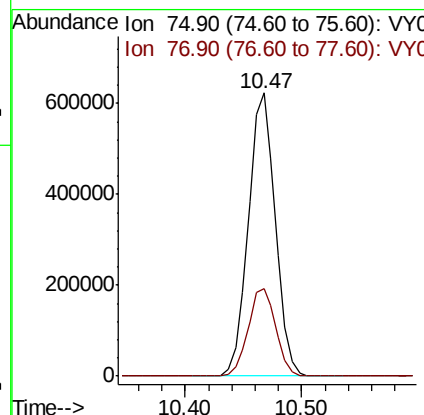
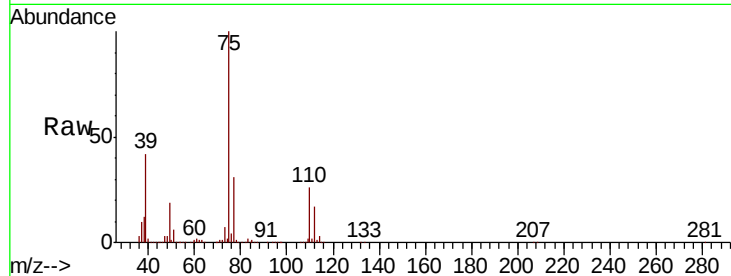
#53  
t-1,3-Dichloropropene  
Concen: 141.742 ug/l  
RT: 10.47 min Scan# 1432  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

Tot Ion: 75 Resp: 1004993  
Ion Ratio Lower Upper  
75 100  
77 30.9 25.2 37.8

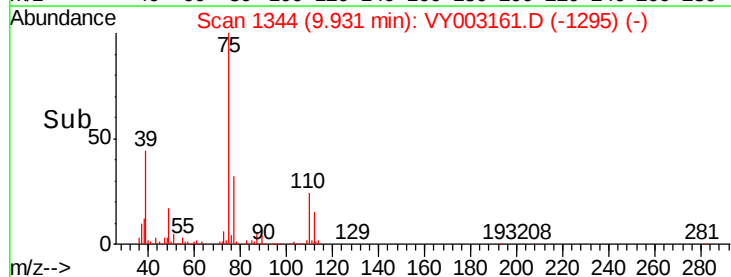
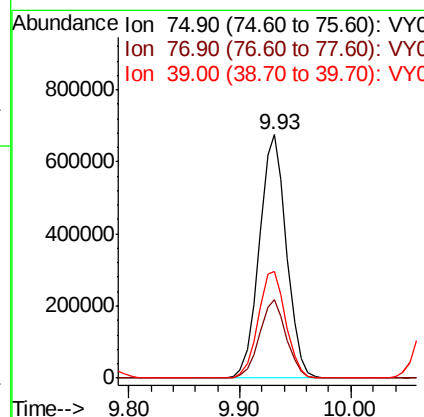
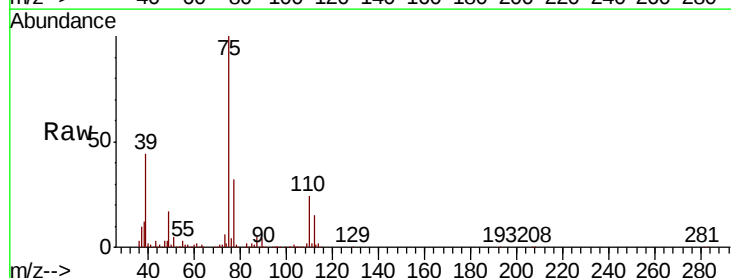
Manual Integrations  
APPROVED

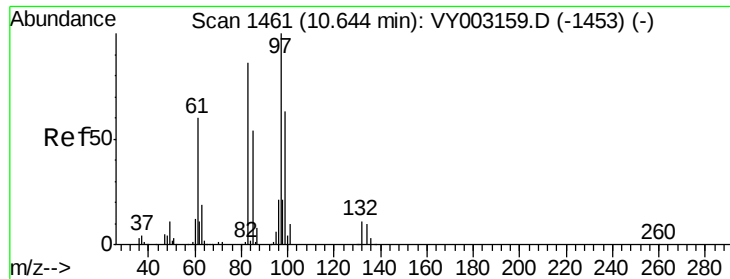
MMDadoda  
7/13/2020 10:47:42 AM



#54  
cis-1,3-Dichloropropene  
Concen: 140.914 ug/l  
RT: 9.93 min Scan# 1344  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Tgt Ion: 75 Resp: 1142623  
Ion Ratio Lower Upper  
75 100  
77 32.2 26.7 40.1  
39 43.8 37.0 55.6





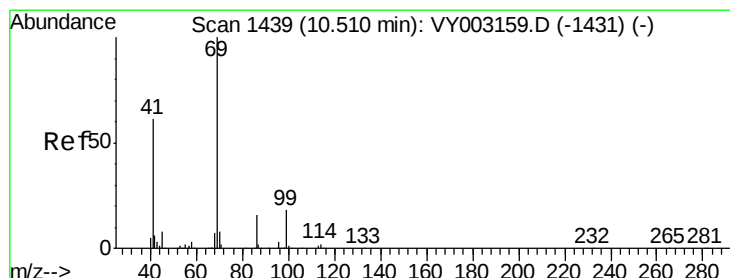
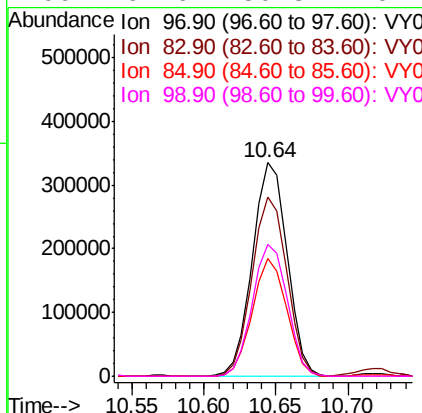
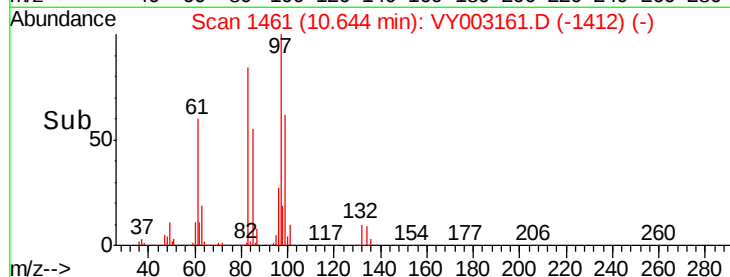
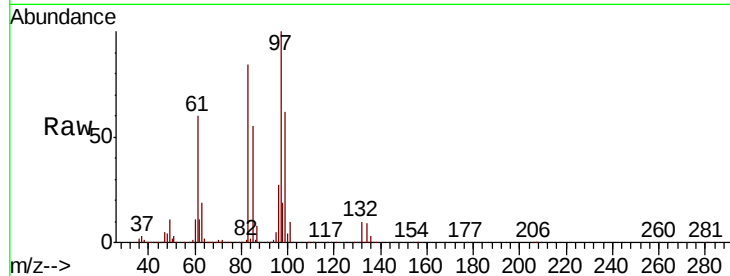
#55  
 1,1,2-Trichloroethane  
 Concen: 145.248 ug/l  
 RT: 10.64 min Scan# 1461  
 Delta R.T. 0.00 min  
 Lab File: VY003161.D  
 Acq: 10 Jul 2020 13:02

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 559099 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.0  | 68.8  | 103.2  |
| 85       | 55.3  | 43.1  | 64.7   |
| 99       | 61.6  | 50.8  | 76.2   |

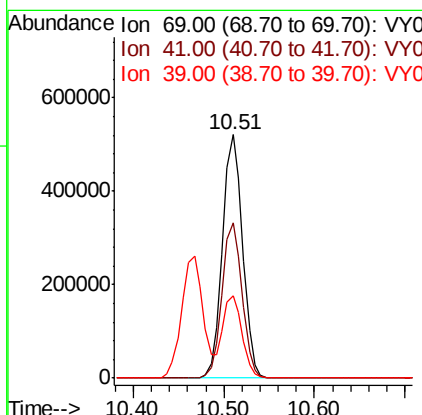
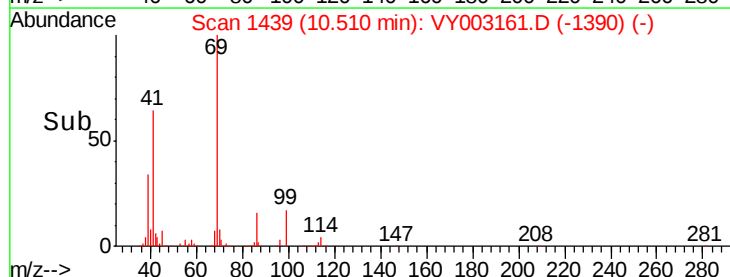
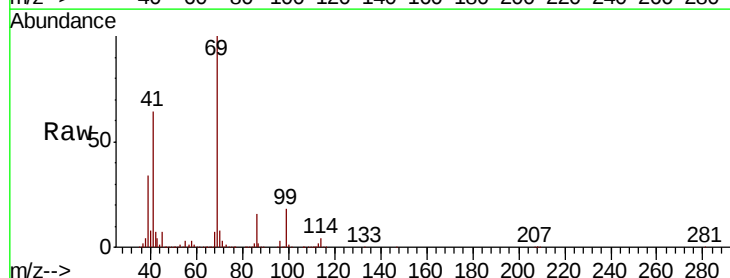
Manual Integrations  
 APPROVED

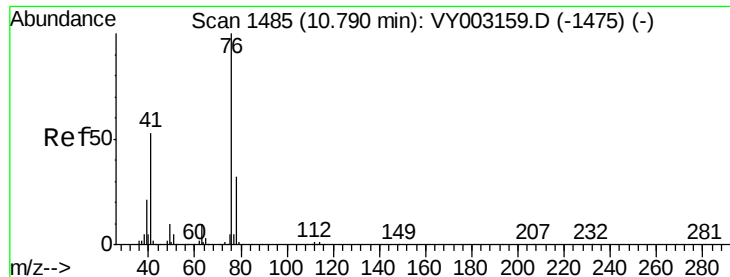
MMDadoda  
 7/13/2020 10:47:42 AM



#56  
 Ethyl methacrylate  
 Concen: 145.420 ug/l  
 RT: 10.51 min Scan# 1439  
 Delta R.T. 0.00 min  
 Lab File: VY003161.D  
 Acq: 10 Jul 2020 13:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 805682 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 63.7  | 50.0  | 75.0   |
| 39       | 33.9  | 27.6  | 41.4   |





#57

1,3-Dichloropropane

Concen: 139.556 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 943741

Ion Ratio Lower Upper

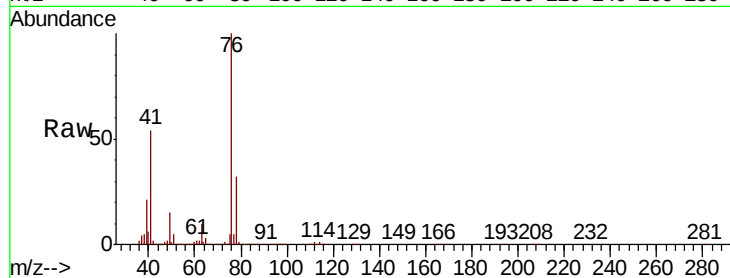
76 100

78 32.3 26.0 39.0

Manual Integrations  
APPROVED

MMDadoda

7/13/2020 10:47:42 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.79

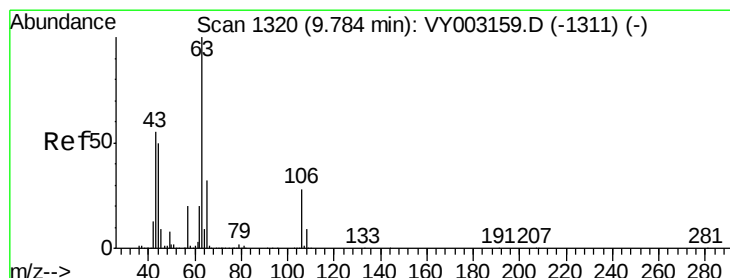
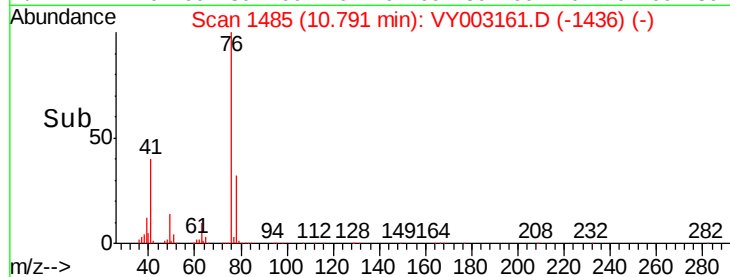
600000

400000

200000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 703.396 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY003161.D

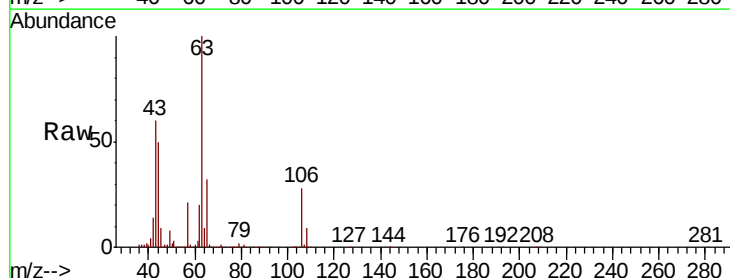
Acq: 10 Jul 2020 13:02

Tgt Ion: 63 Resp: 1975736

Ion Ratio Lower Upper

63 100

106 28.2 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

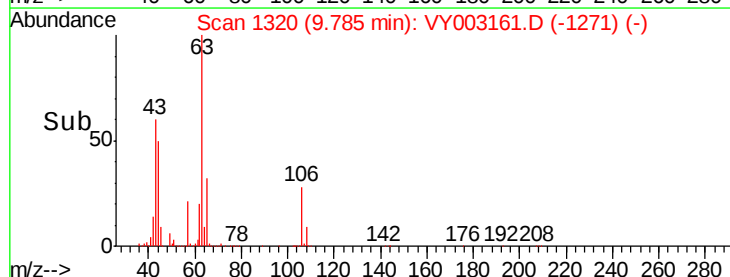
9.78

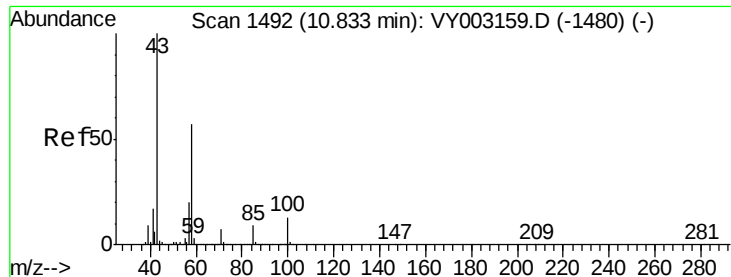
1000000

500000

0

Time-->





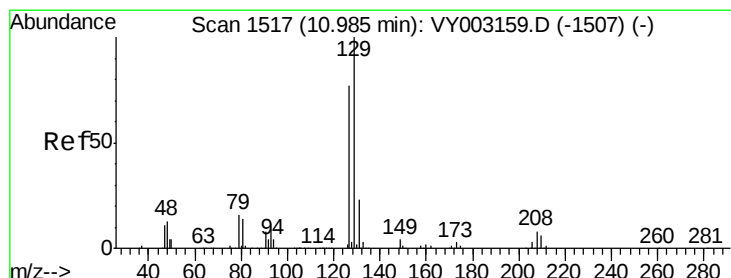
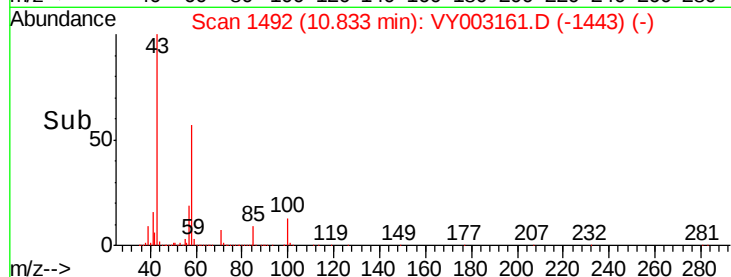
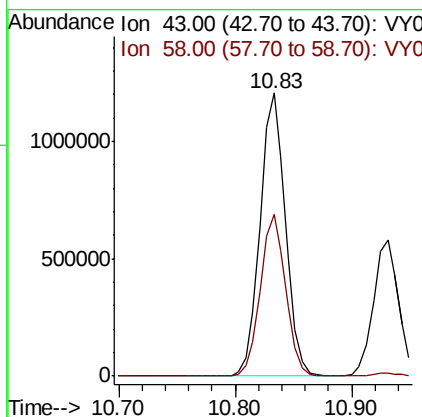
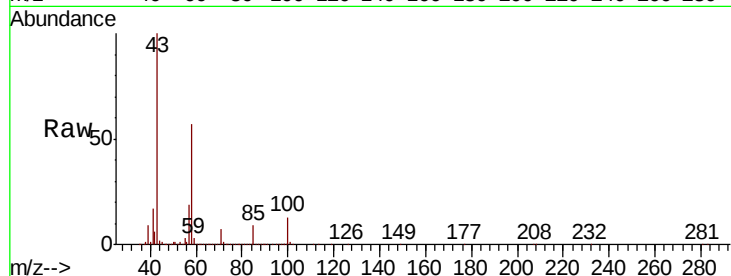
#59  
2-Hexanone  
Concen: 670.262 ug/l  
RT: 10.83 min Scan# 1492  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

Tot Ion: 43 Resp: 1831025  
Ion Ratio Lower Upper  
43 100  
58 56.9 28.3 85.0

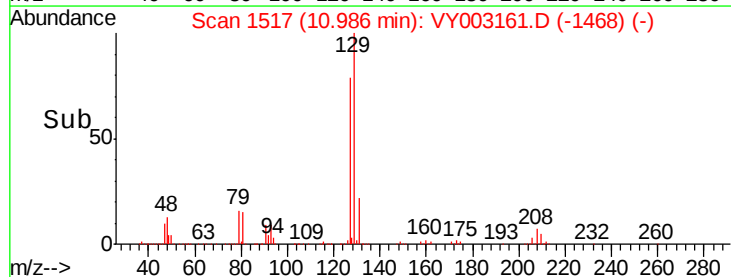
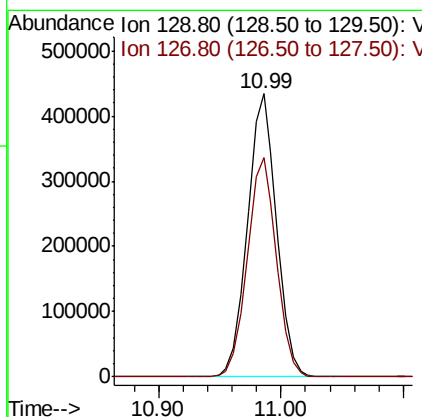
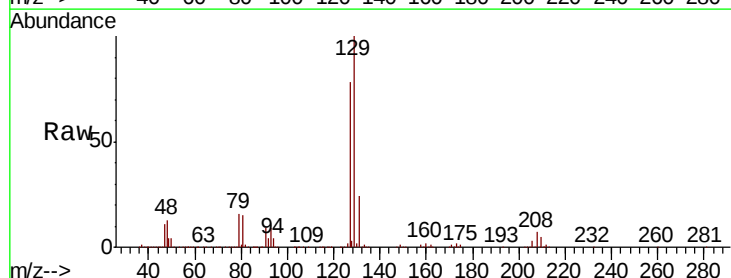
Manual Integrations  
APPROVED

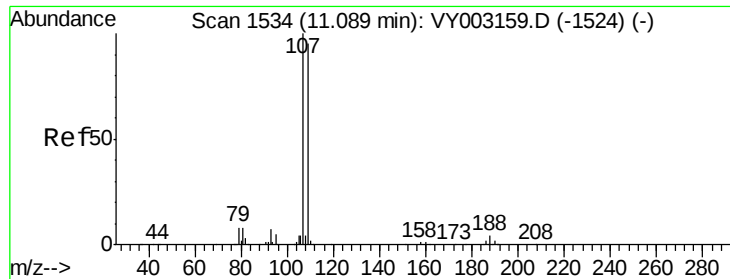
MMDadoda  
7/13/2020 10:47:42 AM



#60  
Dibromochloromethane  
Concen: 144.675 ug/l  
RT: 10.99 min Scan# 1517  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Tgt Ion: 129 Resp: 714430  
Ion Ratio Lower Upper  
129 100  
127 77.8 38.5 115.5





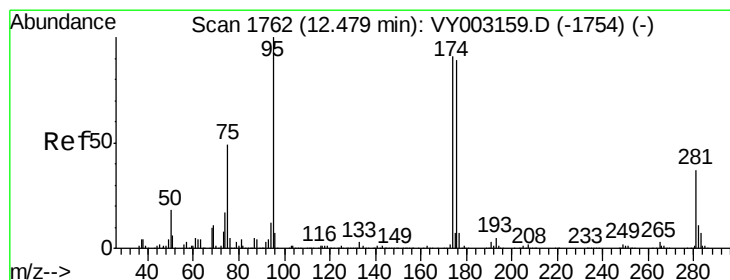
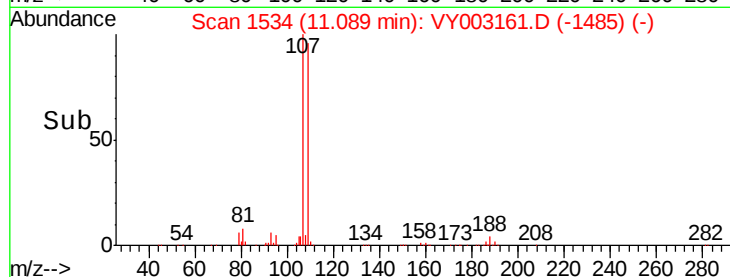
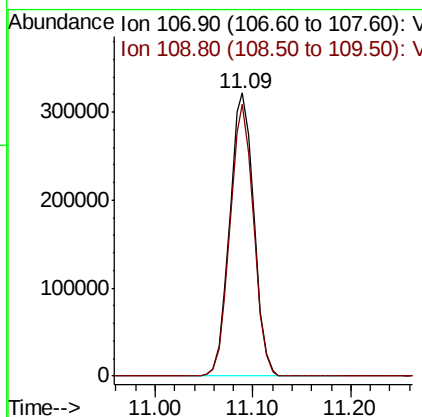
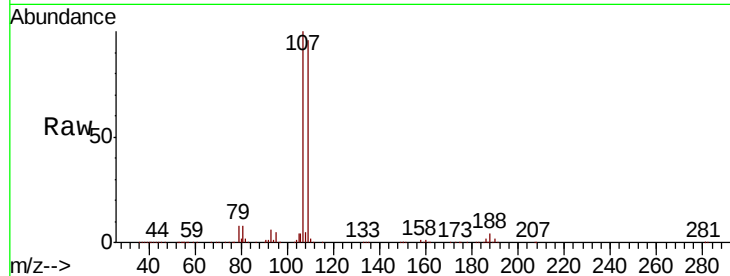
#61  
 1,2-Dibromoethane  
 Concen: 143.939 ug/l  
 RT: 11.09 min Scan# 1534  
 Delta R.T. 0.00 min  
 Lab File: VY003161.D  
 Acq: 10 Jul 2020 13:02

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.9  | 75.6  | 113.4 |

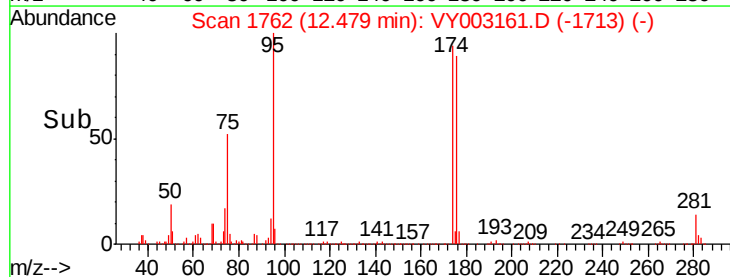
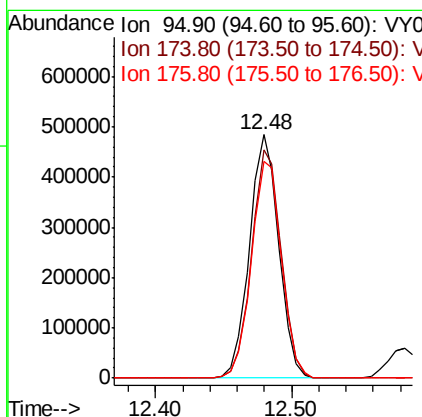
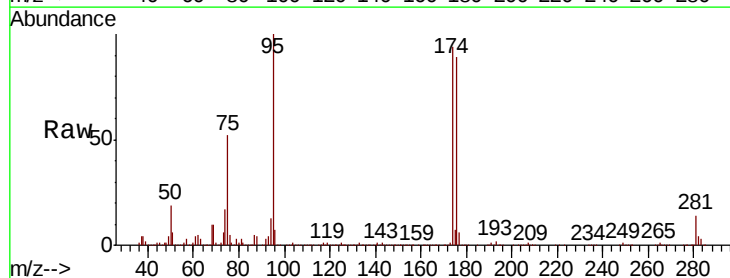
Manual Integrations  
 APPROVED

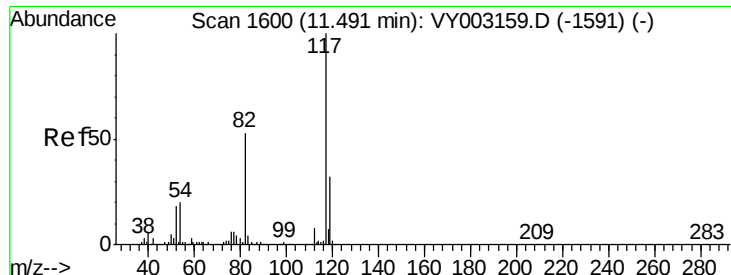
MMDadoda  
 7/13/2020 10:47:42 AM



#62  
 4-Bromofluorobenzene  
 Concen: 129.259 ug/l  
 RT: 12.48 min Scan# 1762  
 Delta R.T. 0.00 min  
 Lab File: VY003161.D  
 Acq: 10 Jul 2020 13:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 94.6  | 0.0   | 190.6 |
| 176     | 91.7  | 0.0   | 186.4 |





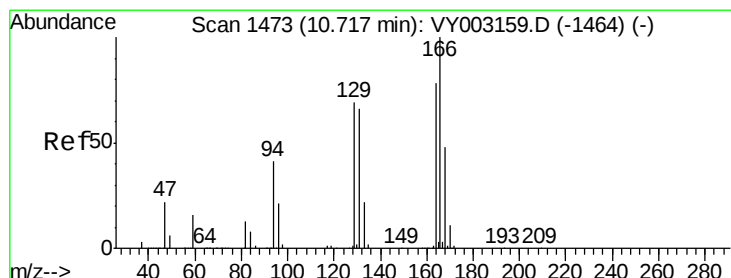
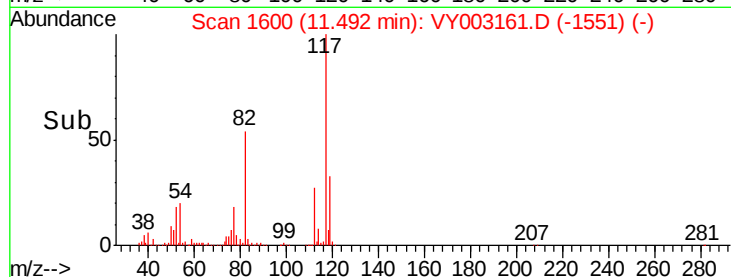
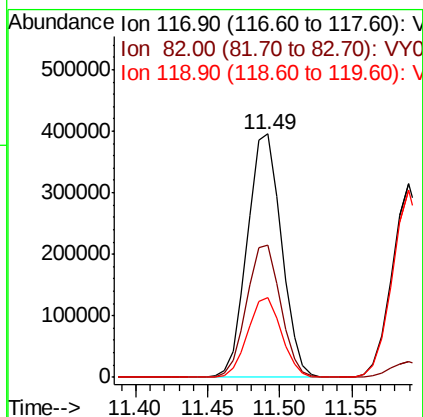
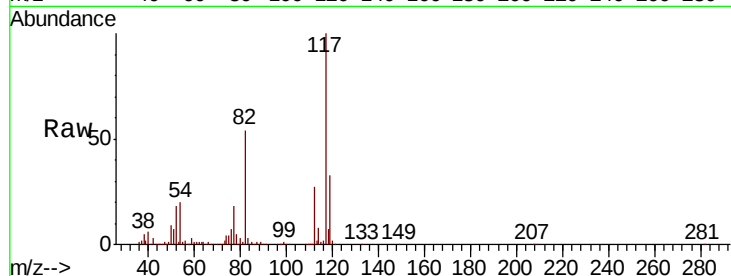
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 649589 |       |       |
| 82      | 54.2  |        | 42.0  | 63.0  |
| 119     | 32.6  |        | 25.5  | 38.3  |

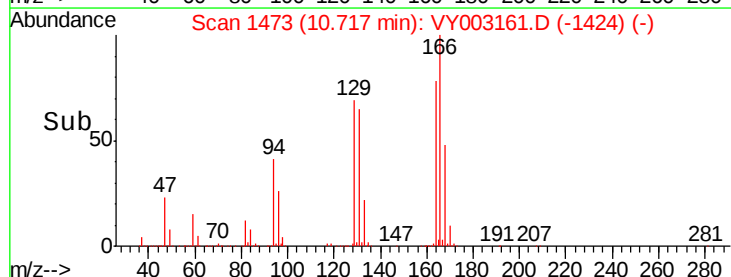
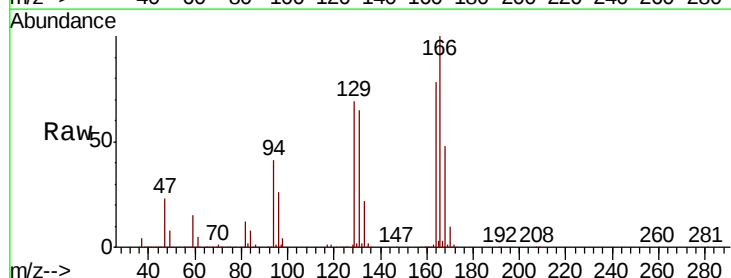
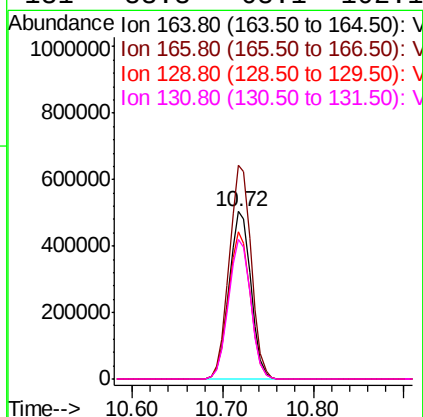
Manual Integrations  
APPROVED

MMDadoda  
7/13/2020 10:47:42 AM



#64  
Tetrachloroethene  
Concen: 153.361 ug/l  
RT: 10.72 min Scan# 1473  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 839513 |       |       |
| 166     | 127.7 |        | 102.9 | 154.3 |
| 129     | 87.8  |        | 71.4  | 107.2 |
| 131     | 83.3  |        | 68.1  | 102.1 |





#65

Chlorobenzene

Concen: 145.911 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 1846609

Ion Ratio Lower Upper

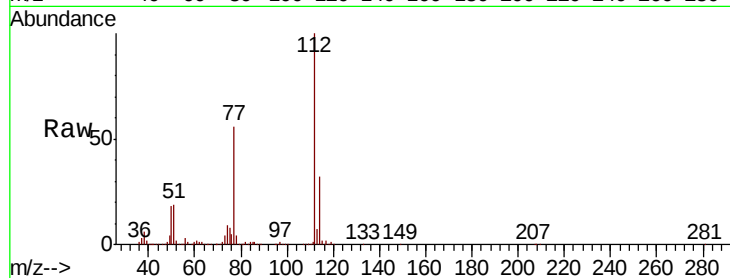
112 100

114 31.7 24.7 37.1

Manual Integrations  
APPROVED

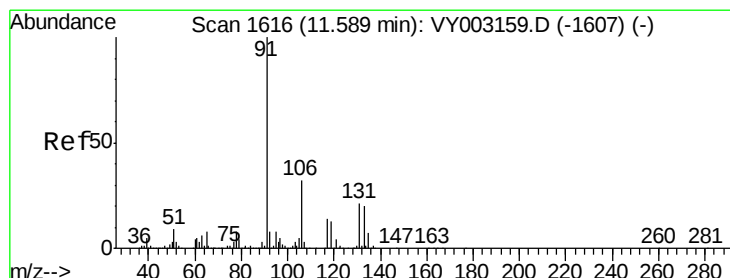
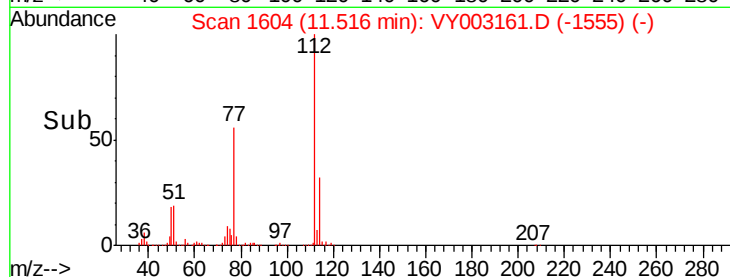
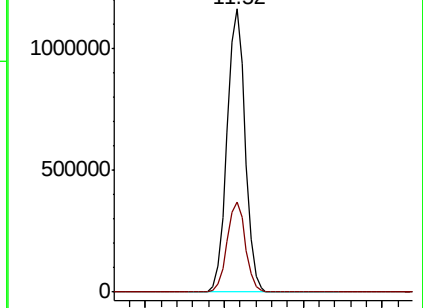
MMDadoda

7/13/2020 10:47:42 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 149.881 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

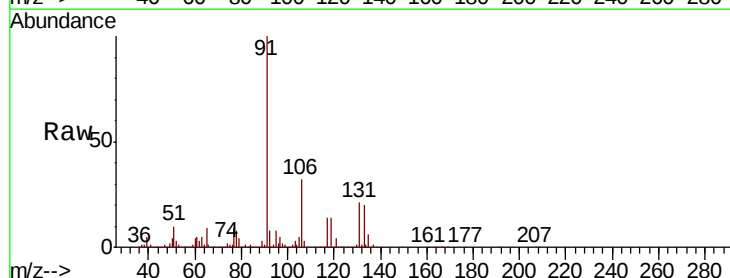
Tgt Ion:131 Resp: 738154

Ion Ratio Lower Upper

131 100

133 96.0 48.0 144.0

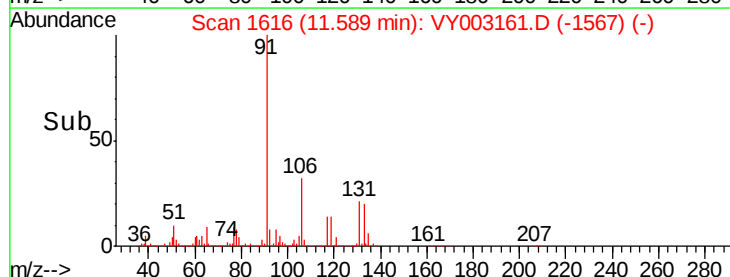
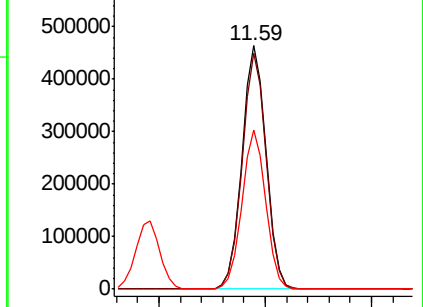
119 64.5 32.4 97.0

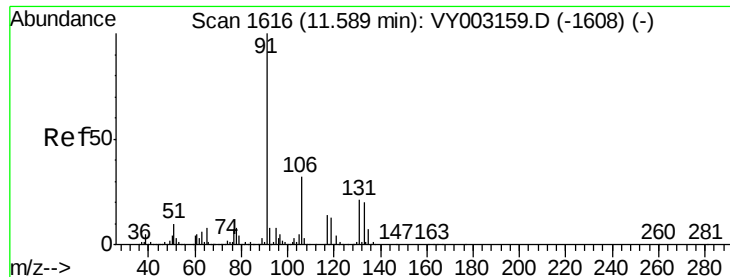


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





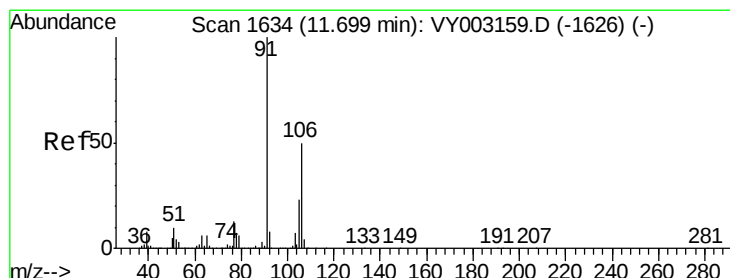
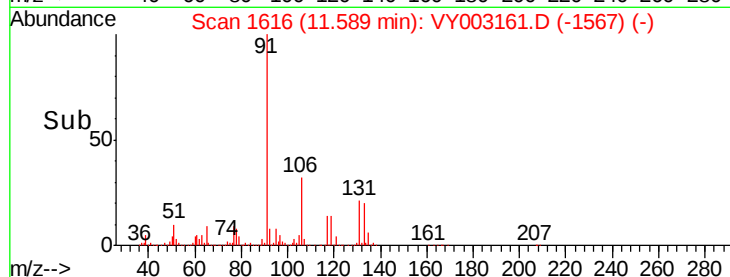
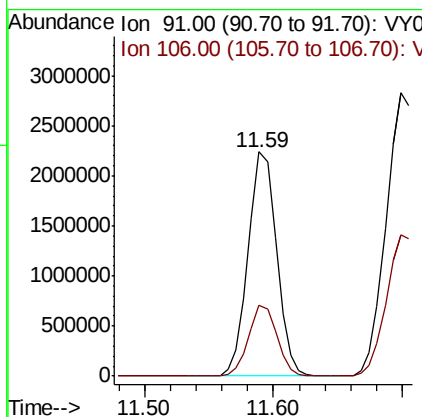
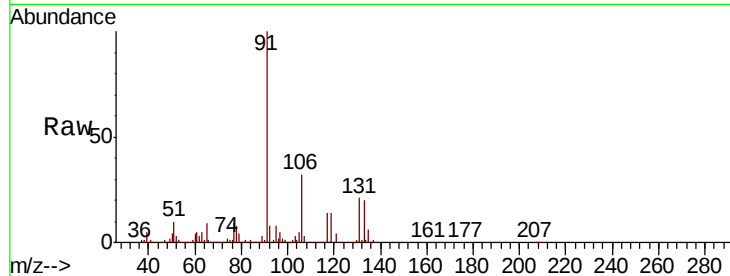
#67  
Ethyl Benzene  
Concen: 147.886 ug/l  
RT: 11.59 min Scan# 1616  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

Tot Ion: 91 Resp: 3416352  
Ion Ratio Lower Upper  
91 100  
106 31.6 25.5 38.3

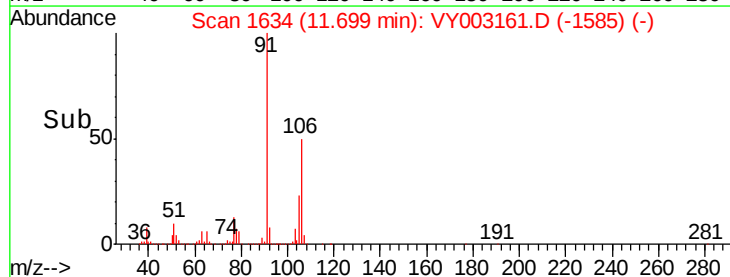
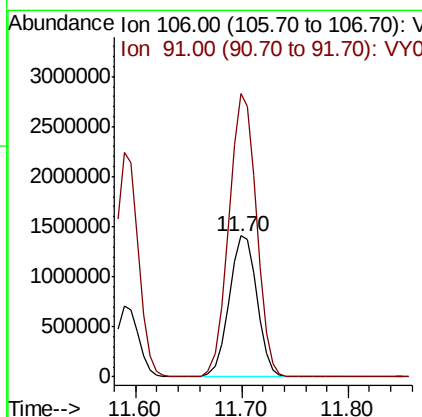
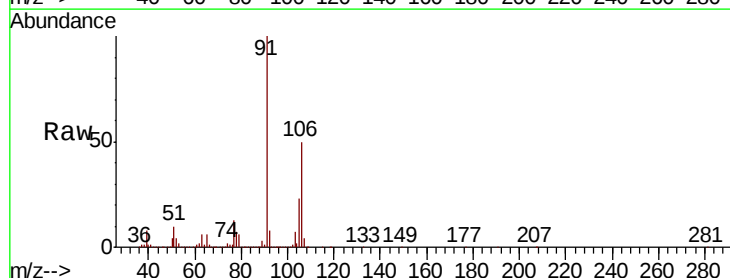
Manual Integrations  
APPROVED

MMDadoda  
7/13/2020 10:47:42 AM



#68  
m/p-Xylenes  
Concen: 299.706 ug/l  
RT: 11.70 min Scan# 1634  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Tgt Ion: 106 Resp: 2575451  
Ion Ratio Lower Upper  
106 100  
91 199.3 159.0 238.6





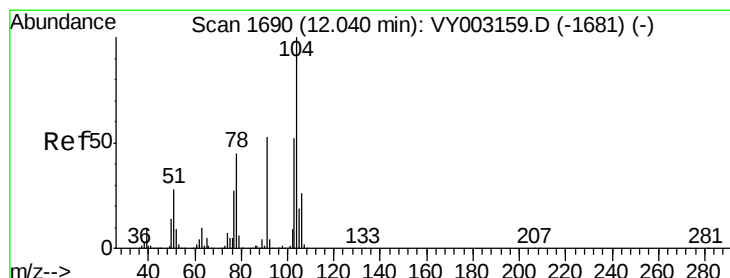
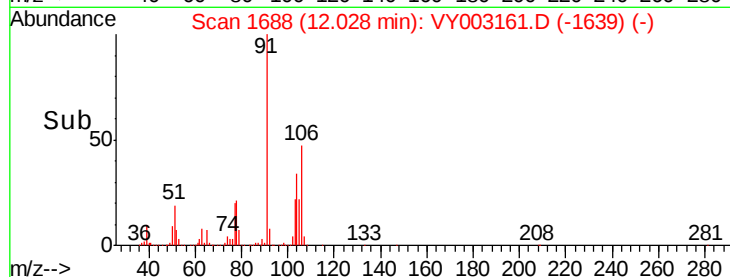
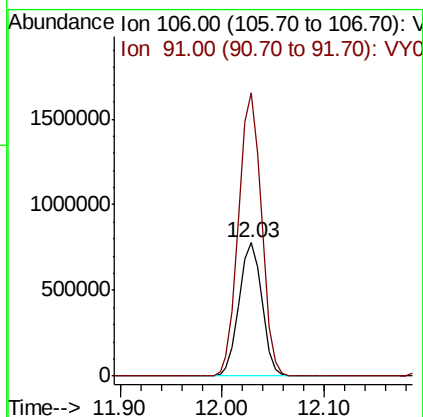
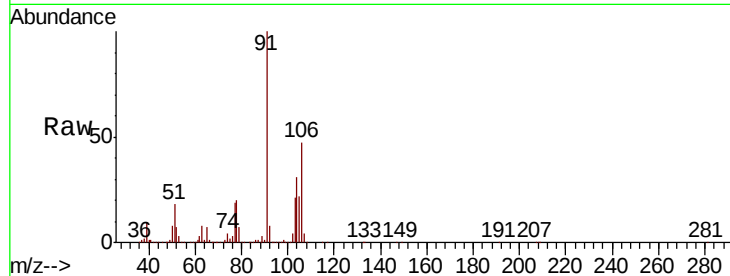
#69  
o-Xylene  
Concen: 148.915 ug/l  
RT: 12.03 min Scan# 1688  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

Tot Ion:106 Resp: 1206956  
Ion Ratio Lower Upper  
106 100  
91 211.6 105.1 315.1

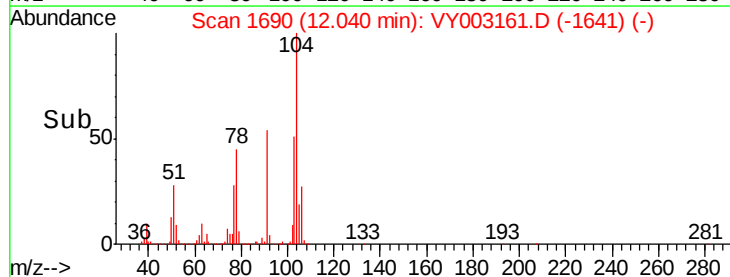
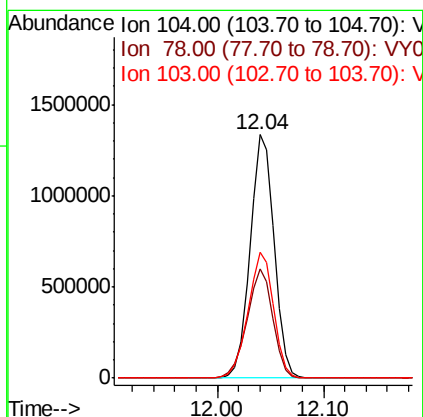
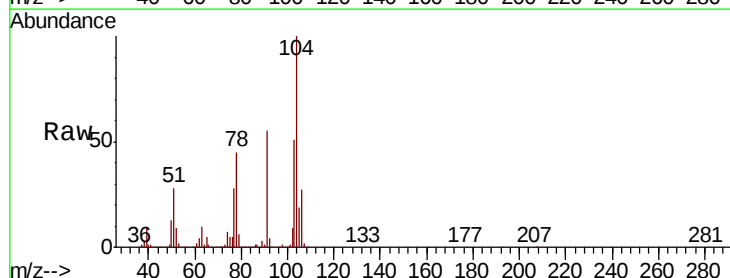
Manual Integrations  
APPROVED

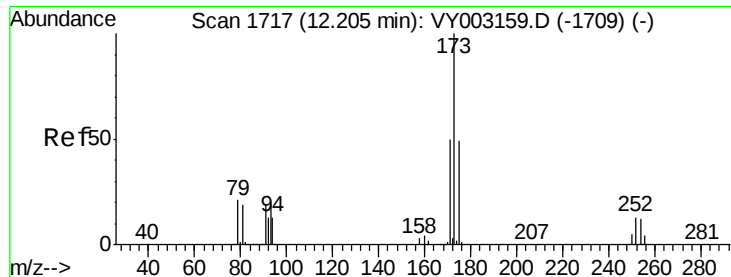
MMDadoda  
7/13/2020 10:47:42 AM



#70  
Styrene  
Concen: 151.986 ug/l  
RT: 12.04 min Scan# 1690  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Tgt Ion:104 Resp: 2105186  
Ion Ratio Lower Upper  
104 100  
78 48.5 38.5 57.7  
103 55.1 43.9 65.9





#71

Bromoform

Concen: 146.845 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

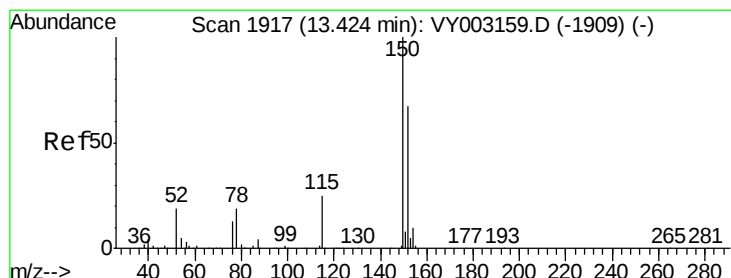
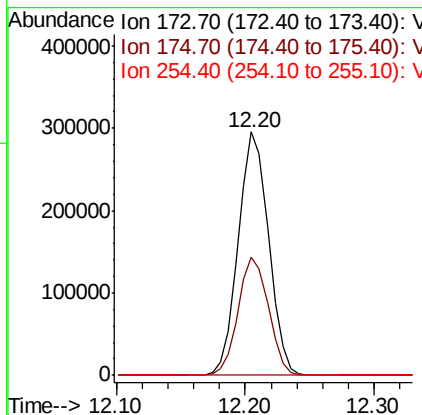
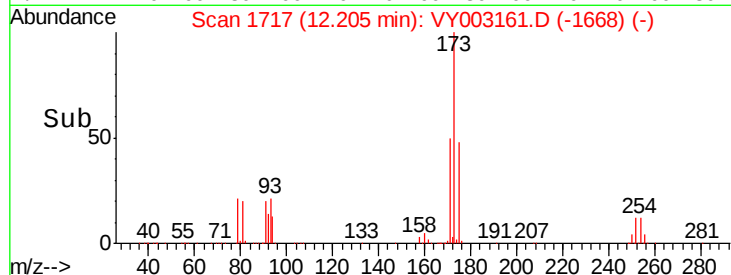
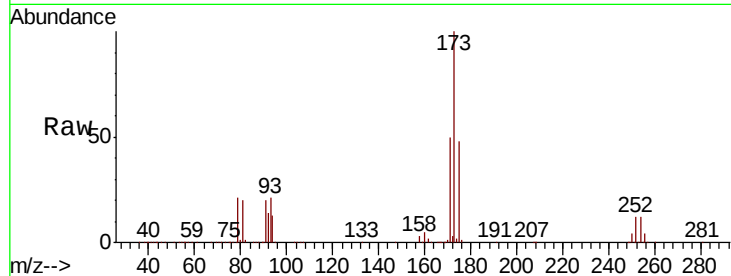
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 173   | Resp: | 480538 |
| Ion Ratio | Lower | Upper |        |
| 173       | 100   |       |        |
| 175       | 48.7  | 24.3  | 73.0   |
| 254       | 0.2   | 0.2   | 0.2    |

Manual Integrations  
APPROVED

MMDadoda  
7/13/2020 10:47:42 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

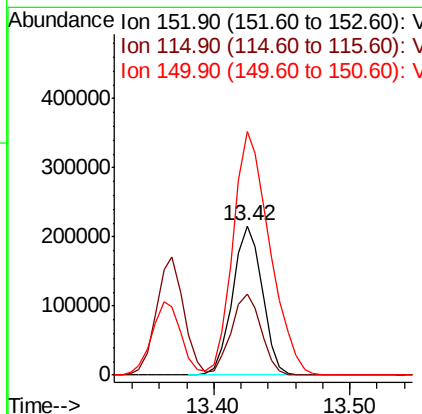
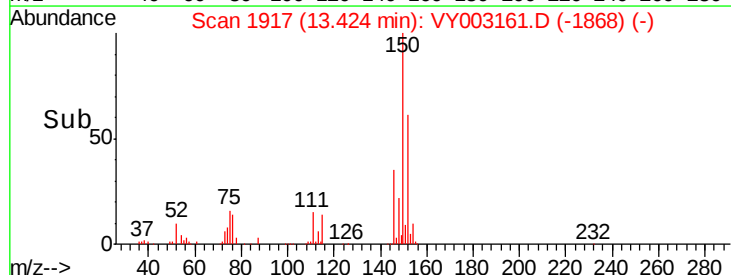
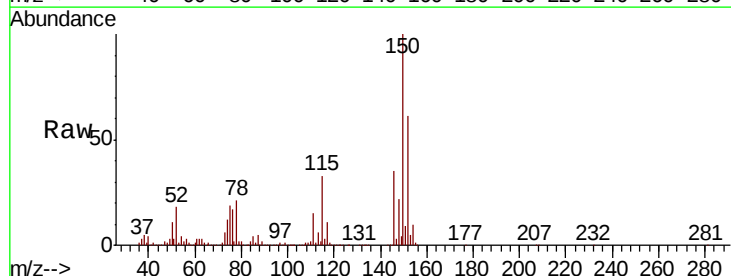
RT: 13.42 min Scan# 1917

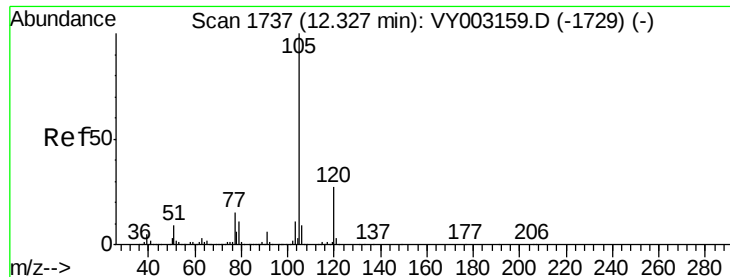
Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 328748 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 54.8  | 26.9  | 80.7   |
| 150       | 201.7 | 0.0   | 338.0  |





#73

Isopropylbenzene

Concen: 153.599 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3268006

Ion Ratio Lower Upper

105 100

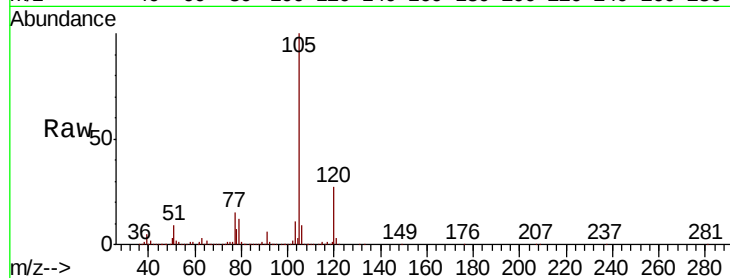
120 27.0 13.4 40.2

Manual Integrations

APPROVED

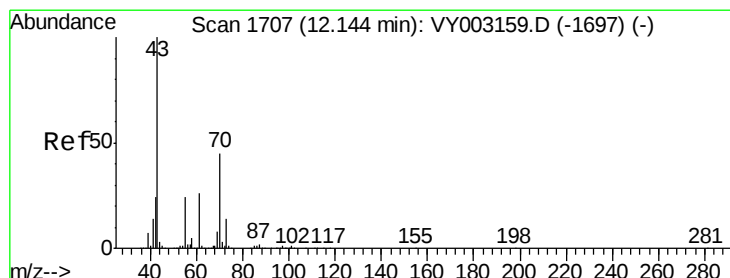
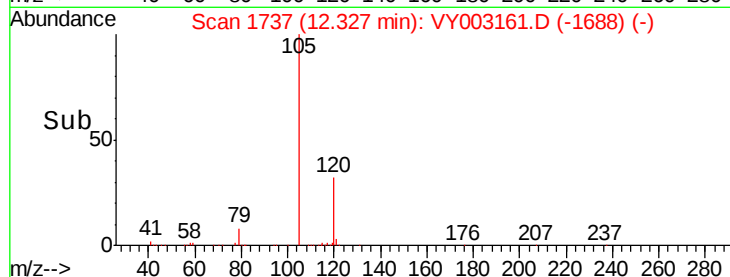
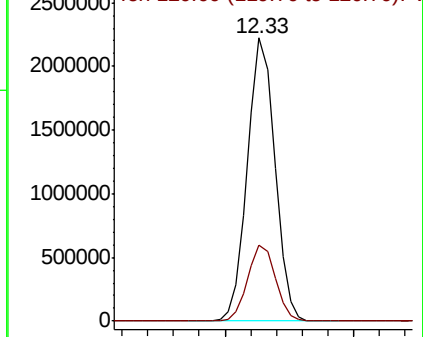
MMDadoda

7/13/2020 10:47:42 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 137.496 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Tgt Ion: 43 Resp: 929755

Ion Ratio Lower Upper

43 100

70 44.0 35.6 53.4

55 23.5 19.4 29.2

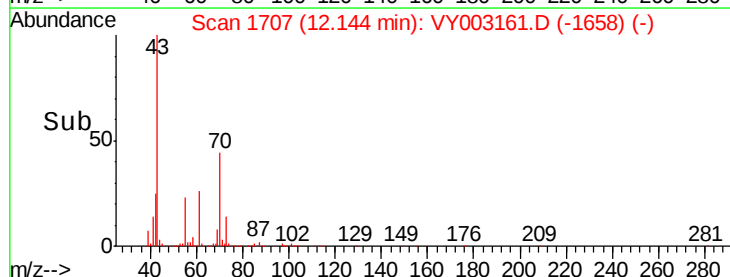
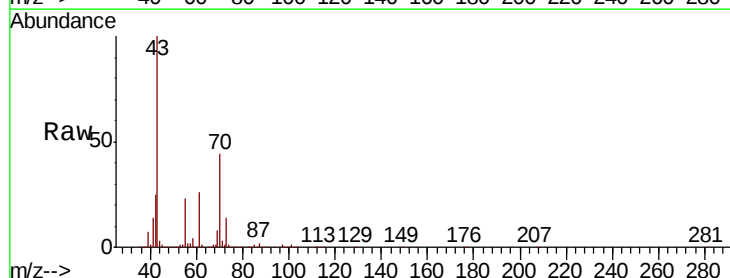
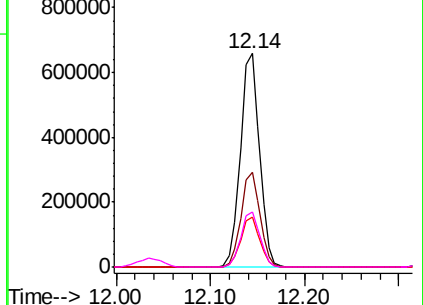
61 25.6 20.8 31.2

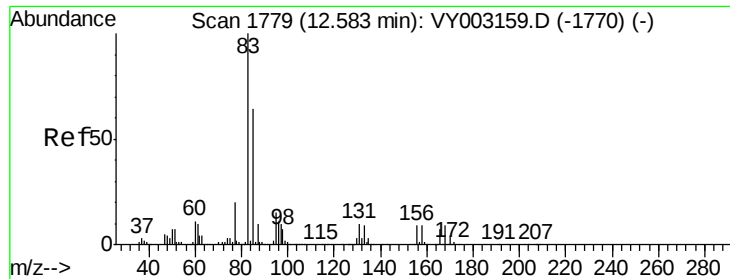
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 143.055 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

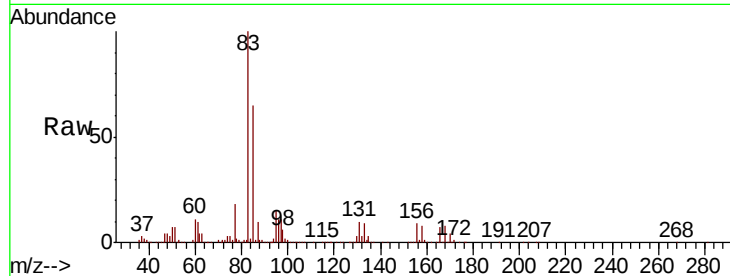
VSTDIC150

Tot Ion: 83 Resp: 609216  
Ion Ratio Lower Upper

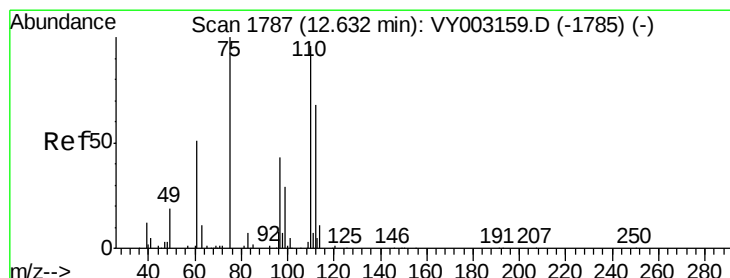
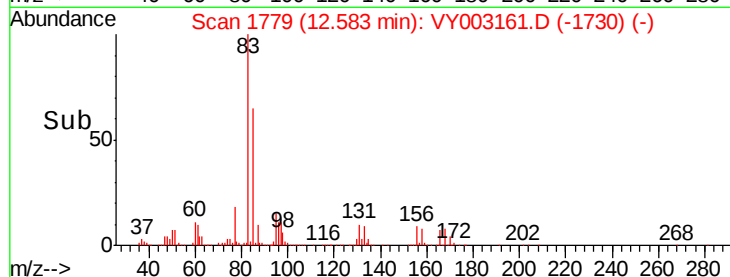
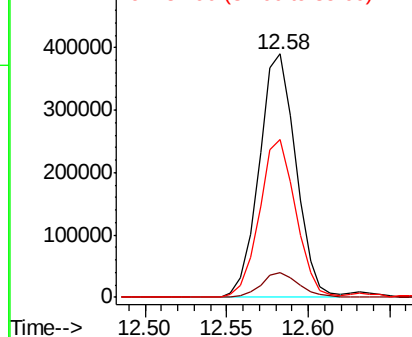
|     |      |      |      |
|-----|------|------|------|
| 83  | 100  |      |      |
| 131 | 10.5 | 5.2  | 15.6 |
| 85  | 64.1 | 32.0 | 96.0 |

Manual Integrations  
APPROVED

MMDadoda  
7/13/2020 10:47:42 AM



Abundance Ion 82.90 (82.60 to 83.60): VY0  
Ion 130.80 (130.50 to 131.50): VY0  
Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 137.376 ug/l m

RT: 12.63 min Scan# 1787

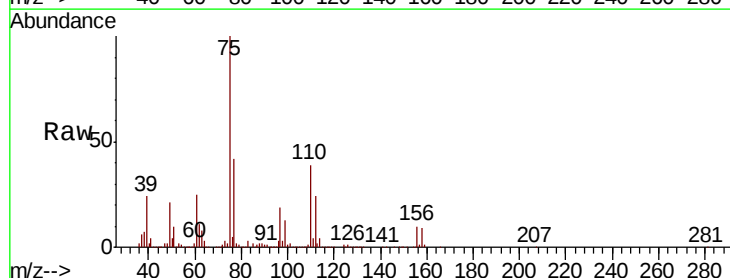
Delta R.T. 0.00 min

Lab File: VY003161.D

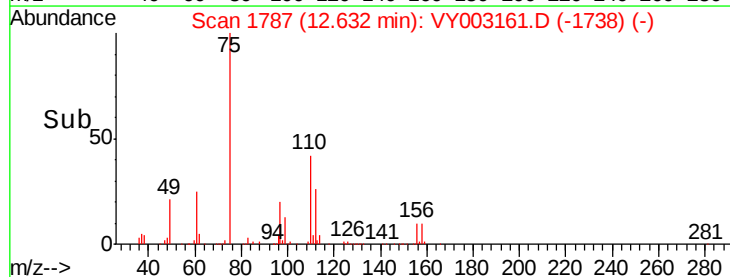
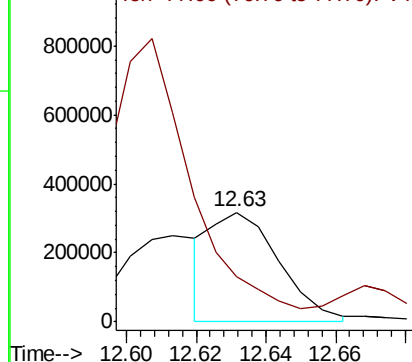
Acq: 10 Jul 2020 13:02

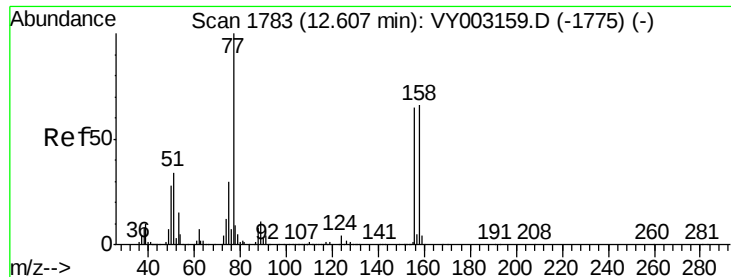
Tgt Ion: 75 Resp: 434158  
Ion Ratio Lower Upper

|    |     |     |     |
|----|-----|-----|-----|
| 75 | 100 |     |     |
| 77 | 0.0 | 0.0 | 0.0 |



Abundance Ion 74.90 (74.60 to 75.60): VY0  
Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 151.144 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

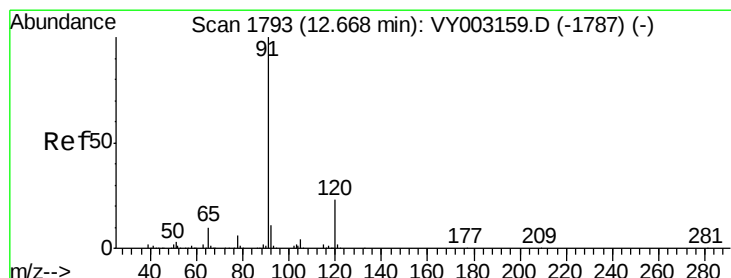
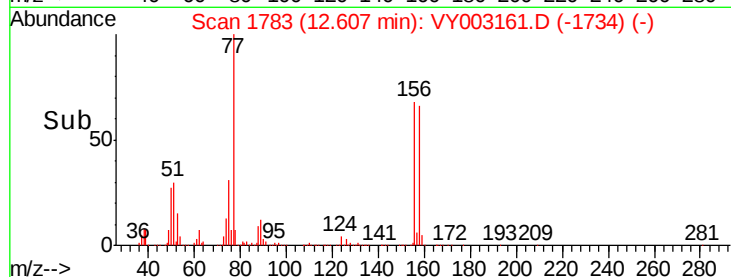
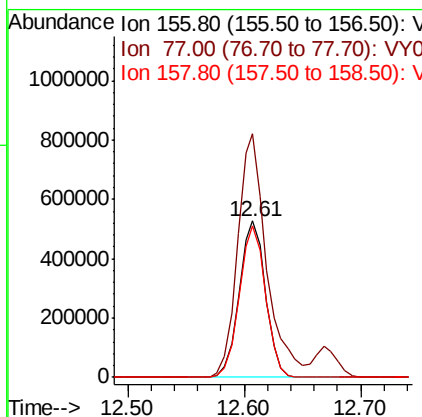
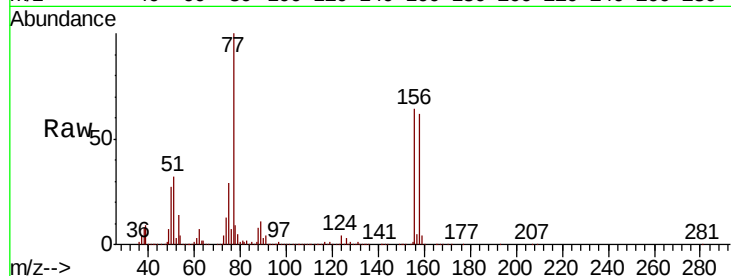
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 823552 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 171.8 | 86.6  | 259.7  |
| 158       | 96.8  | 49.4  | 148.0  |

Manual Integrations  
APPROVED

MMDadoda  
7/13/2020 10:47:42 AM



#78

n-propylbenzene

Concen: 149.182 ug/l

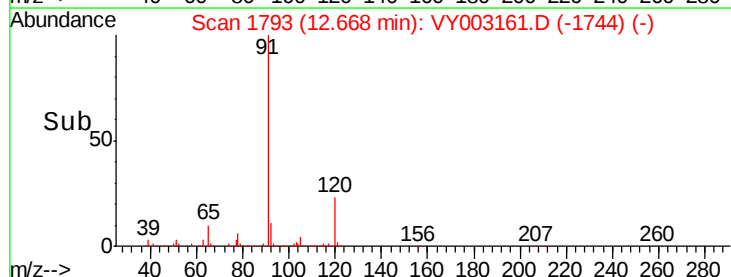
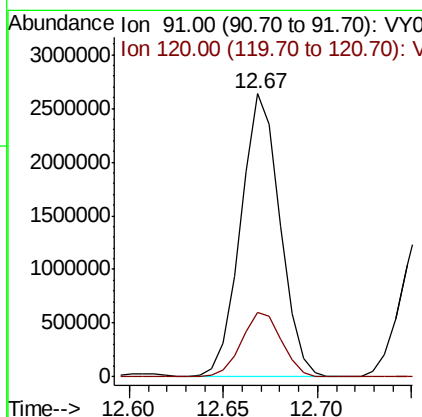
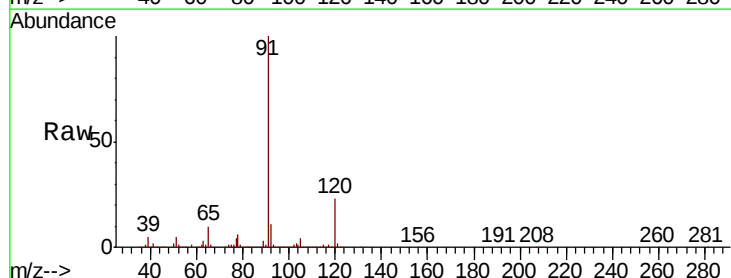
RT: 12.67 min Scan# 1793

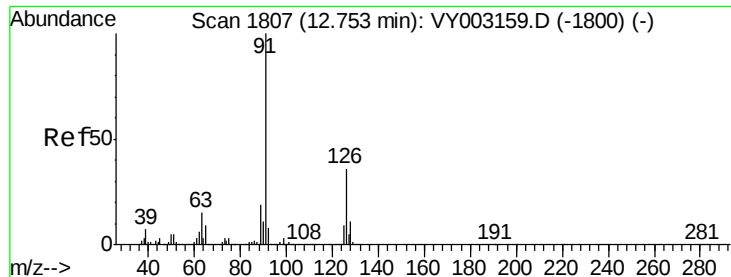
Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 3807910 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 23.3  | 11.7  | 35.1    |





#79

2-Chlorotoluene

Concen: 147.877 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2106379

Ion Ratio Lower Upper

91 100

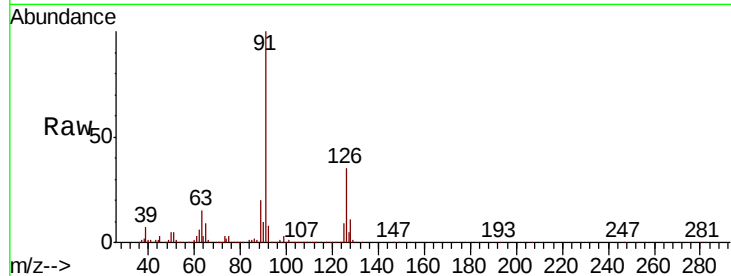
126 35.5 17.6 52.9

Manual Integrations

APPROVED

MMDadoda

7/13/2020 10:47:42 AM



Abundance Ion 91.00 (90.70 to 91.70): VY003159.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY003159.D (-1800) (-)

2500000

2000000

1500000

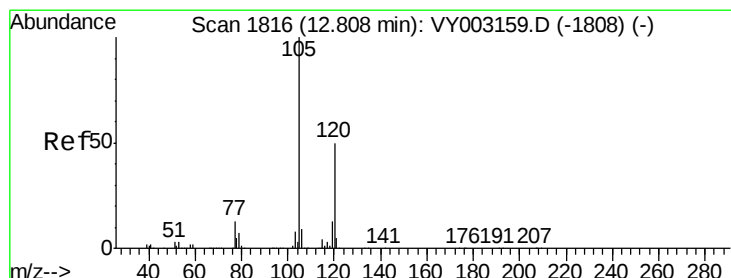
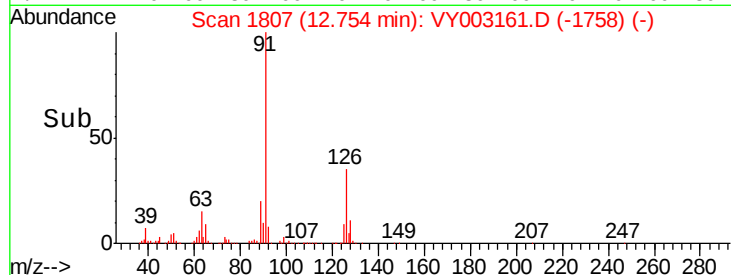
1000000

500000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 150.312 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY003161.D

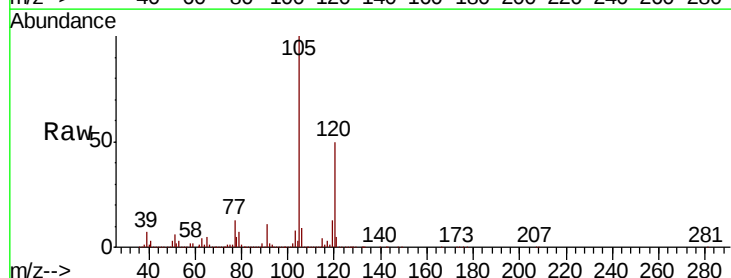
Acq: 10 Jul 2020 13:02

Tgt Ion:105 Resp: 2680461

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VY003159.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY003159.D (-1808) (-)

2000000

1500000

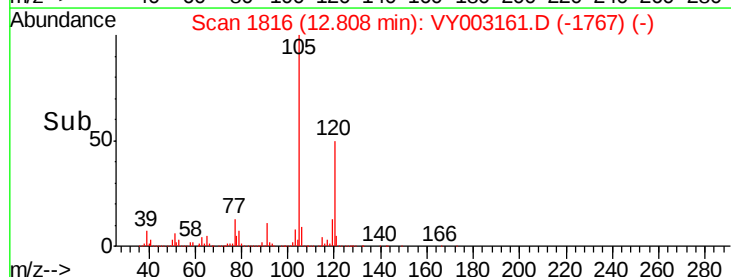
1000000

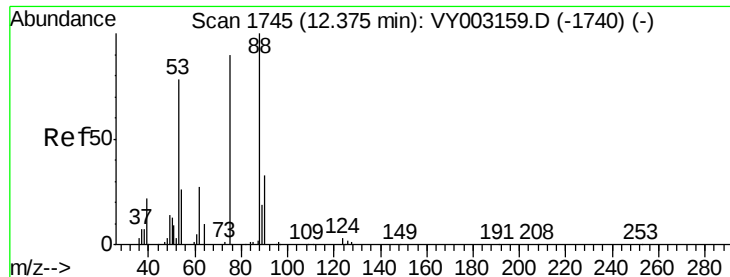
500000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 147.163 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 239307  
Ion Ratio Lower Upper

75 100

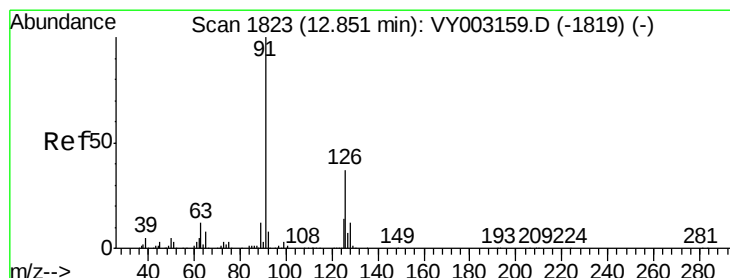
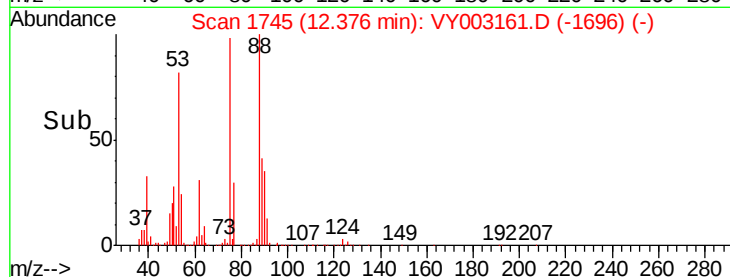
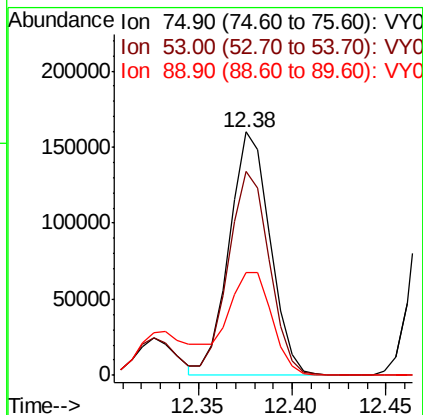
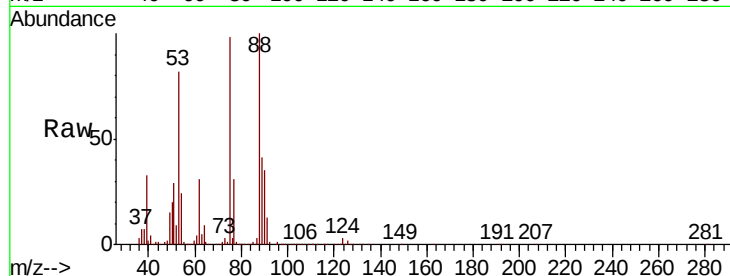
53 85.2 72.0 108.0

89 44.5 37.3 55.9

Manual Integrations  
APPROVED

MMDadoda

7/13/2020 10:47:42 AM



#82

4-Chlorotoluene

Concen: 148.433 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

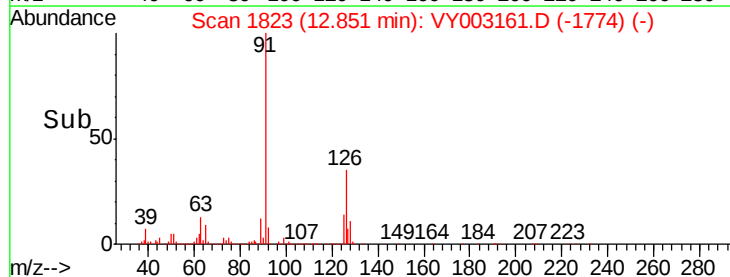
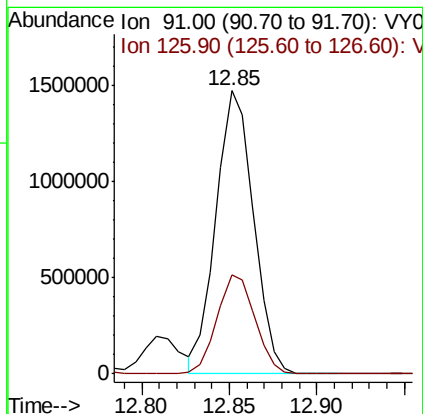
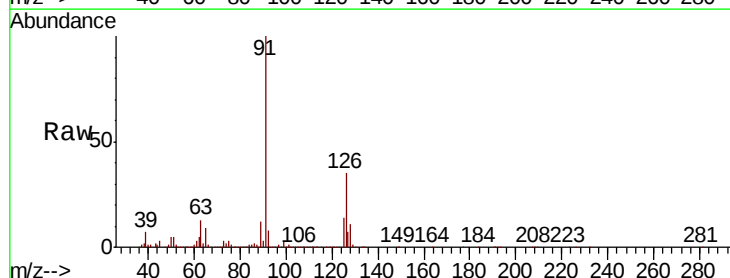
Lab File: VY003161.D

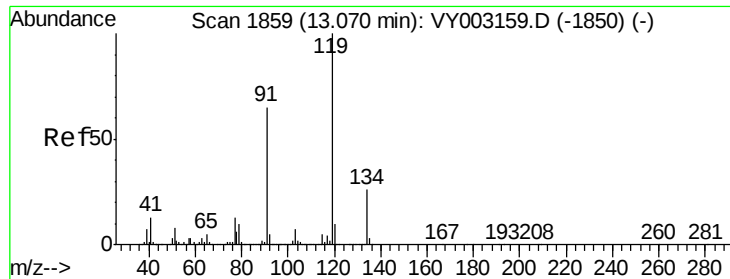
Acq: 10 Jul 2020 13:02

Tgt Ion: 91 Resp: 2200077  
Ion Ratio Lower Upper

91 100

126 35.4 17.9 53.7





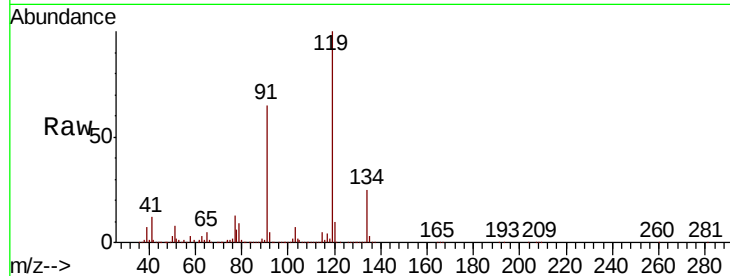
#83  
tert-Butylbenzene  
Concen: 151.048 ug/l  
RT: 13.07 min Scan# 1859  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 62.4  | 30.8  | 92.4  |
| 134     | 26.5  | 13.2  | 39.6  |

Manual Integrations  
APPROVED

MMDadoda  
7/13/2020 10:47:42 AM

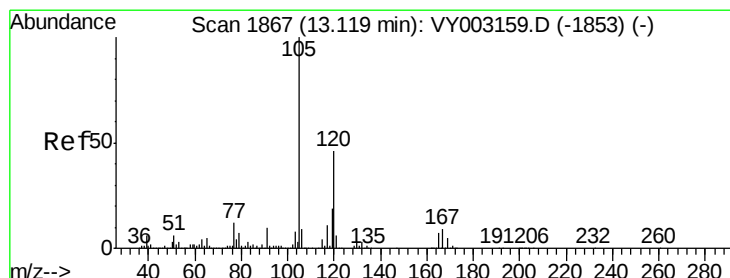
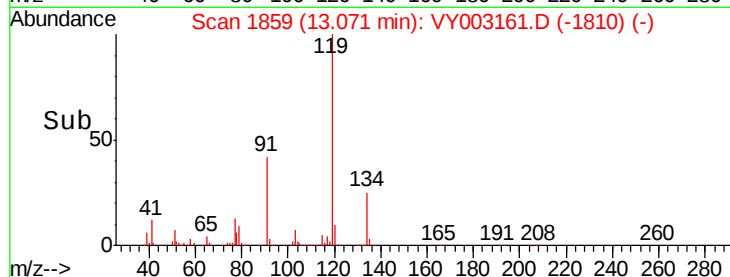
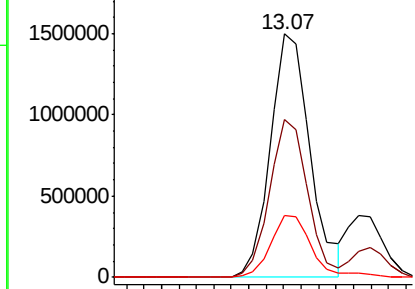


Abundance

Ion 119.00 (118.70 to 119.70): V

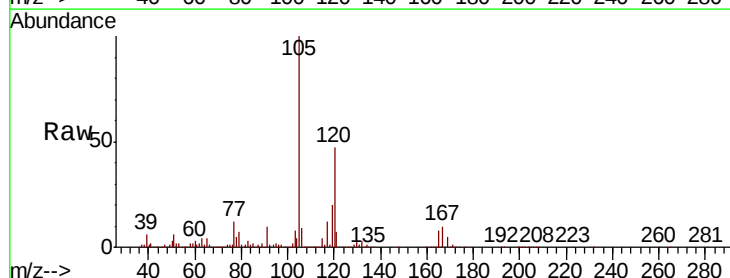
Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84  
1,2,4-Trimethylbenzene  
Concen: 149.422 ug/l  
RT: 13.12 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

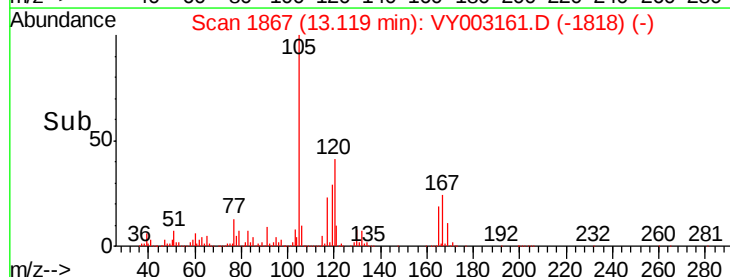
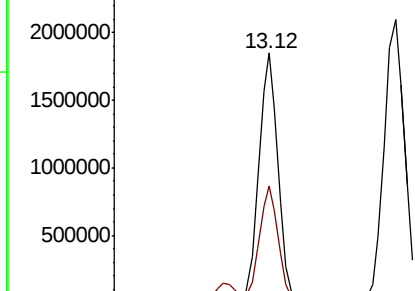
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.5  | 22.5  | 67.5  |

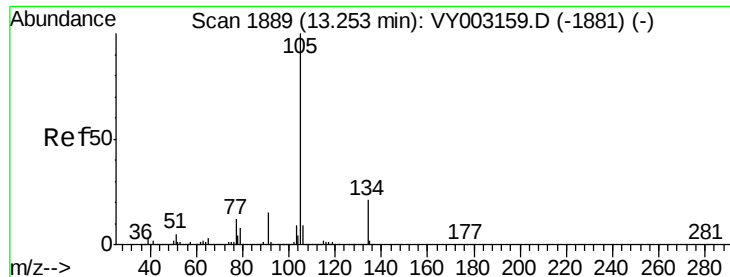


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 147.566 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3184471

Ion Ratio Lower Upper

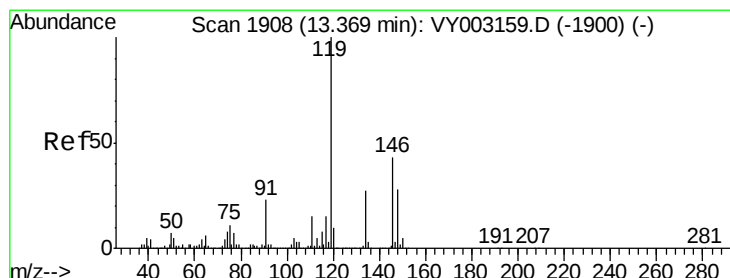
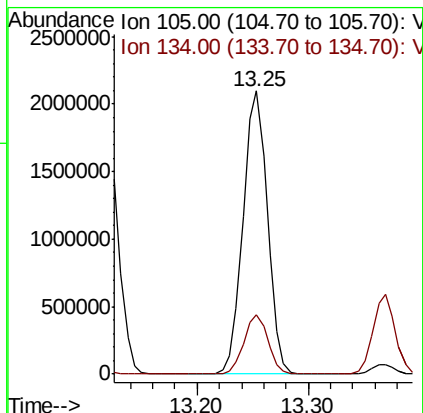
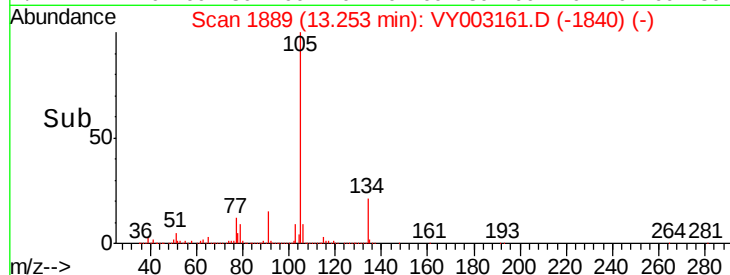
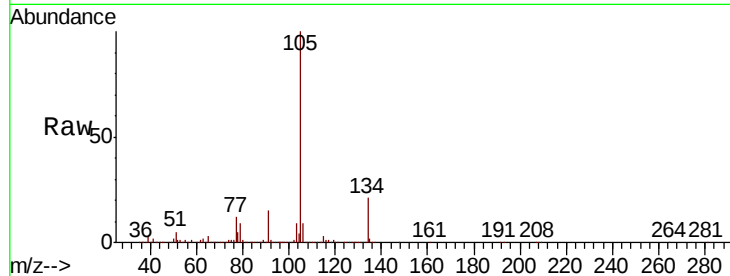
105 100

134 20.9 10.4 31.4

Manual Integrations  
APPROVED

MMDadoda

7/13/2020 10:47:42 AM



#86

p-Isopropyltoluene

Concen: 152.107 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

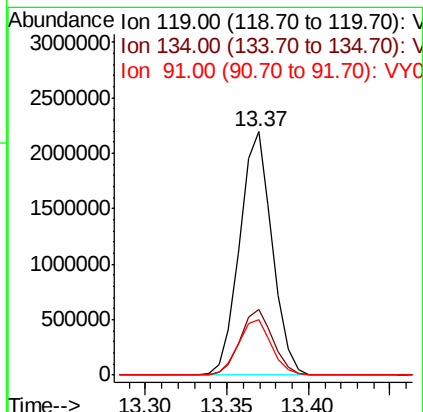
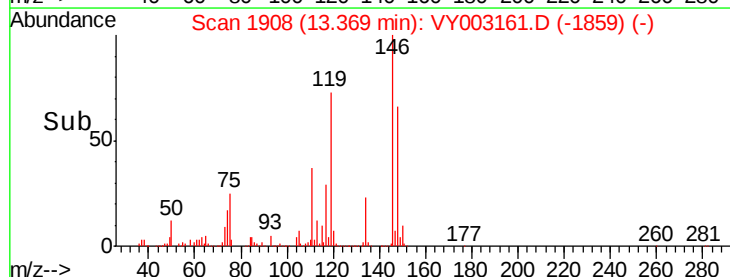
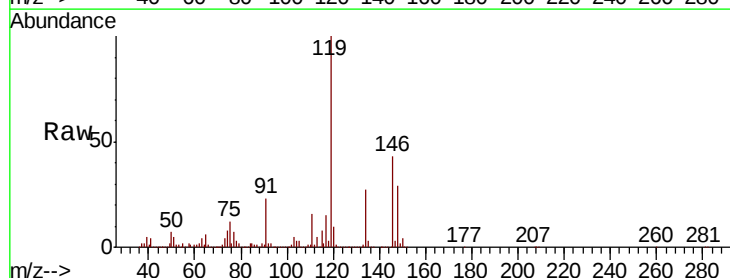
Tgt Ion:119 Resp: 3045396

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

91 23.0 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 151.802 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

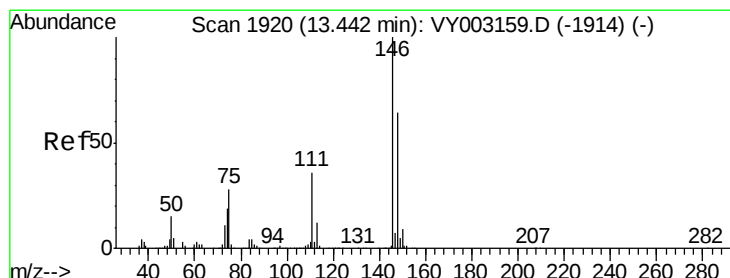
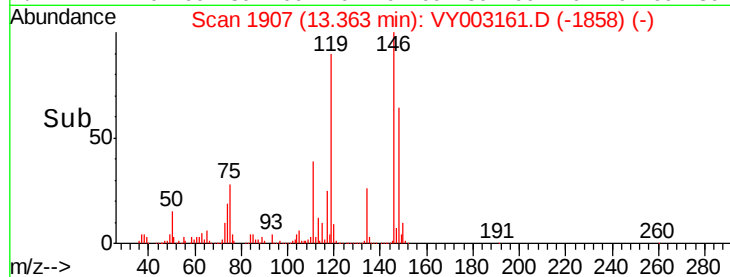
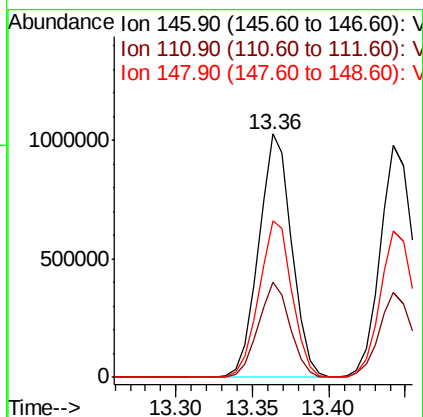
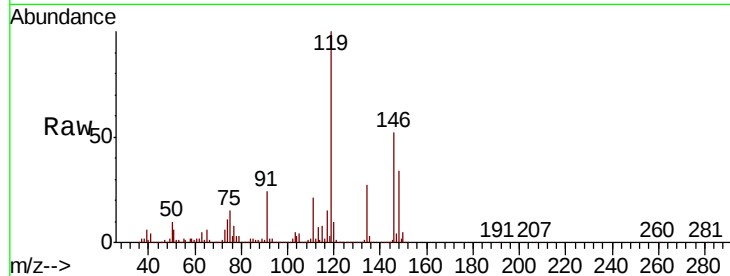
Instrument :  
MSVOA\_Y

ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.8  | 18.8  | 56.3  |
| 148     | 64.3  | 32.3  | 96.9  |

Manual Integrations  
APPROVED

MMDadoda  
7/13/2020 10:47:42 AM



#88

1,4-Dichlorobenzene

Concen: 147.006 ug/l

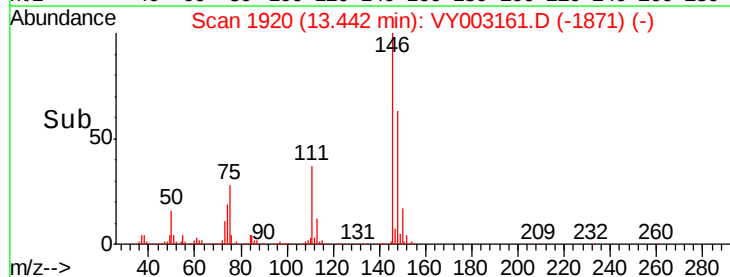
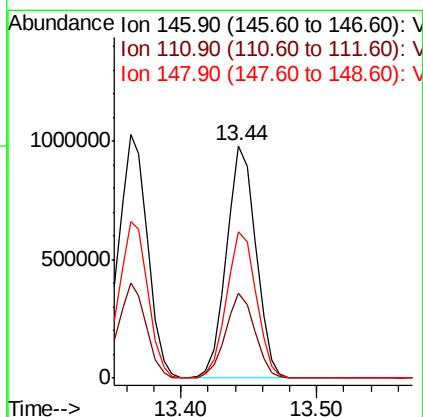
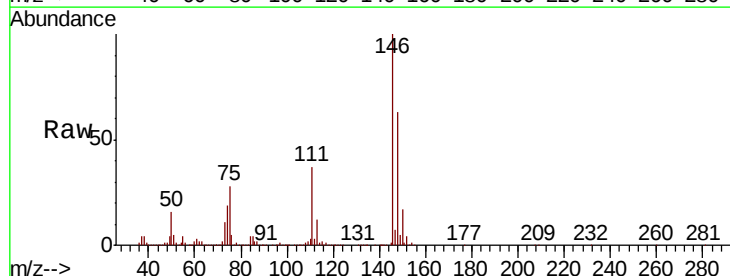
RT: 13.44 min Scan# 1920

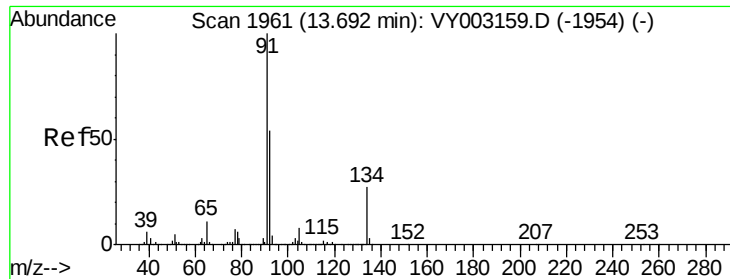
Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.1  | 18.4  | 55.0  |
| 148     | 63.7  | 32.0  | 96.0  |





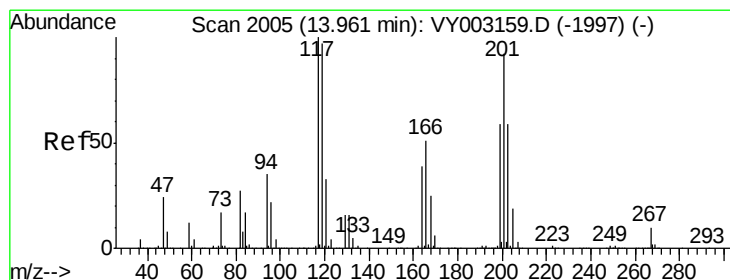
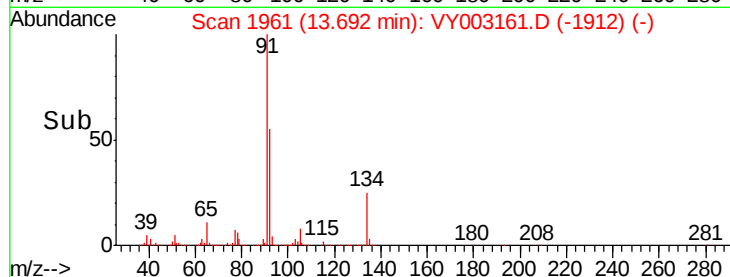
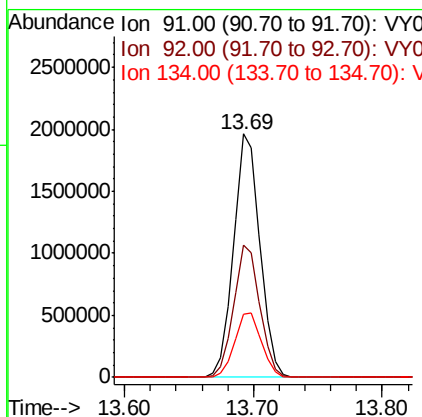
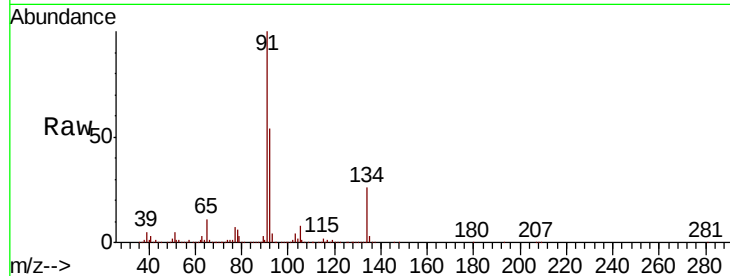
#89  
n-Butylbenzene  
Concen: 145.850 ug/l  
RT: 13.69 min Scan# 1961  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

Tot Ion: 91 Resp: 2786280  
Ion Ratio Lower Upper  
91 100  
92 54.1 26.9 80.7  
134 27.0 13.6 40.7

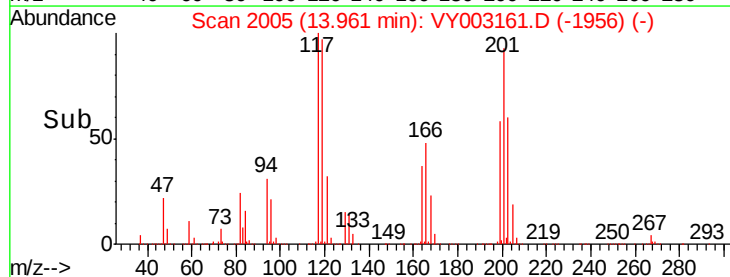
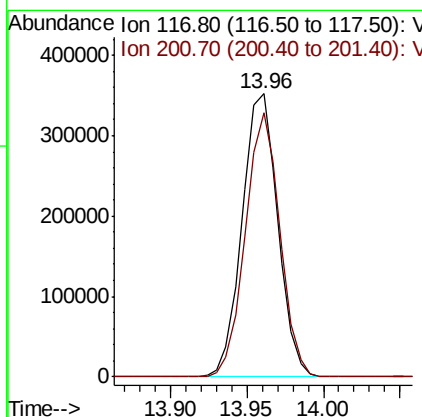
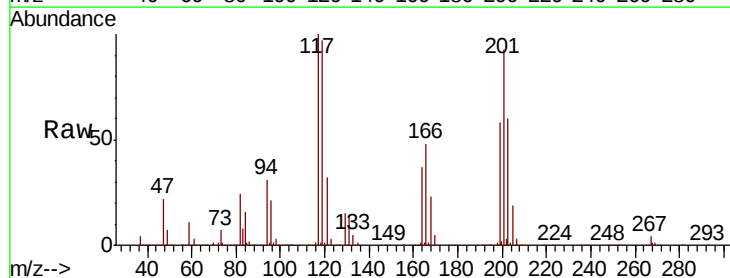
Manual Integrations  
APPROVED

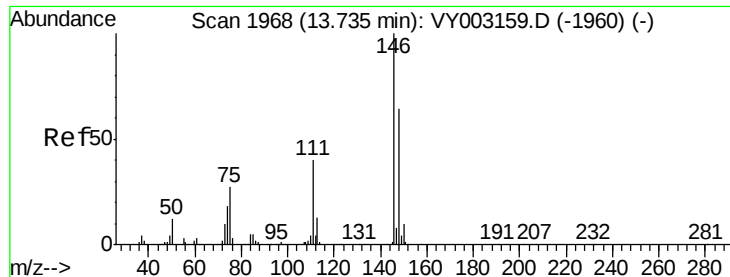
MMDadoda  
7/13/2020 10:47:42 AM



#90  
Hexachloroethane  
Concen: 145.307 ug/l  
RT: 13.96 min Scan# 2005  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Tgt Ion: 117 Resp: 571459  
Ion Ratio Lower Upper  
117 100  
201 90.3 45.1 135.3





#91

1,2-Dichlorobenzene

Concen: 144.547 ug/l

RT: 13.74 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1313929

Ion Ratio Lower Upper

146 100

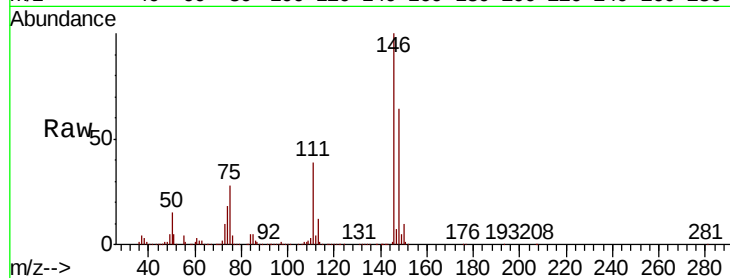
111 39.0 19.6 58.8

148 64.5 32.4 97.0

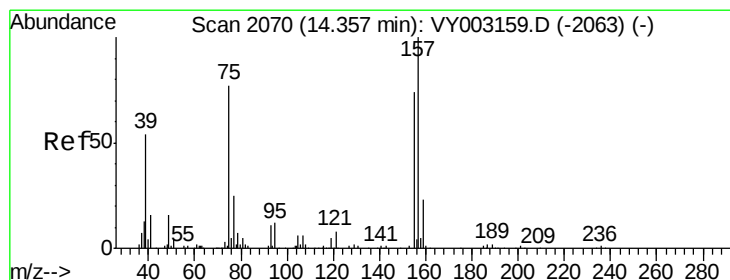
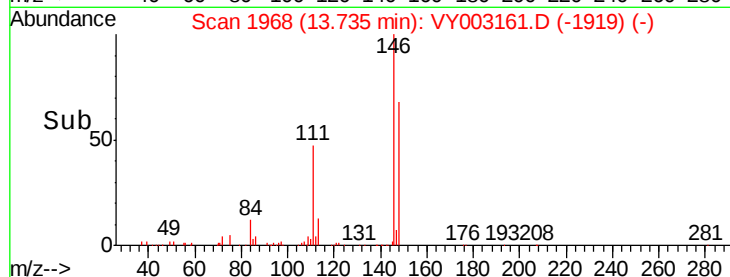
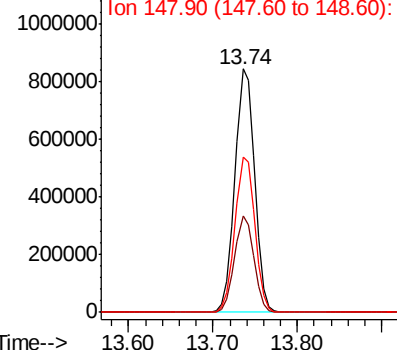
Manual Integrations  
APPROVED

MMDadoda

7/13/2020 10:47:42 AM



Abundance Ion 145.90 (145.60 to 146.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 127.064 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VY003161.D

Acq: 10 Jul 2020 13:02

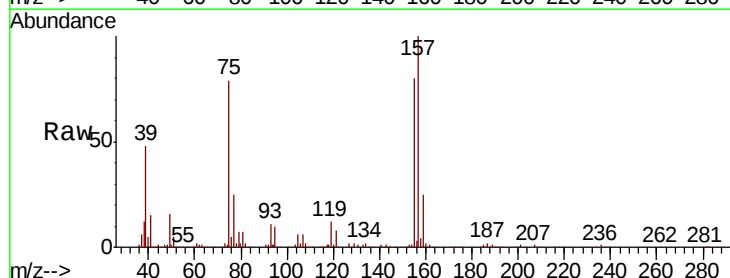
Tgt Ion: 75 Resp: 93675

Ion Ratio Lower Upper

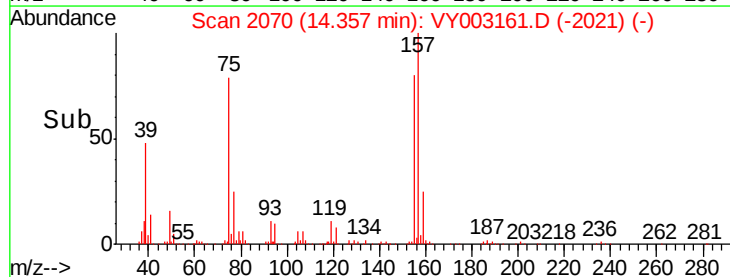
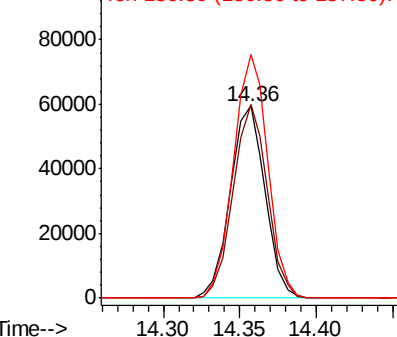
75 100

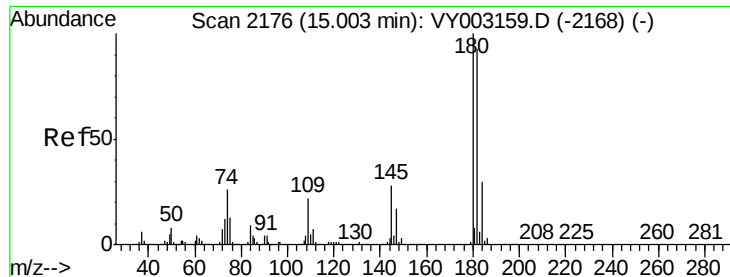
155 99.2 48.1 144.3

157 126.0 61.9 185.6



Abundance Ion 74.90 (74.60 to 75.60): VY0  
Ion 154.80 (154.50 to 155.50): V  
Ion 156.80 (156.50 to 157.50): V





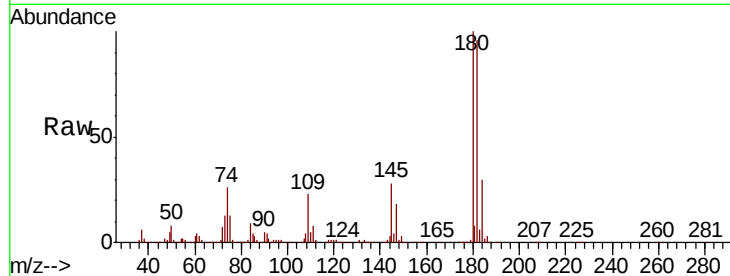
#93  
 1,2,4-Trichlorobenzene  
 Concen: 136.107 ug/l  
 RT: 15.00 min Scan# 2176  
 Delta R.T. 0.00 min  
 Lab File: VY003161.D  
 Acq: 10 Jul 2020 13:02

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 913169 |       |       |
| 182     | 95.9  | 47.3   | 142.0 |       |
| 145     | 27.6  | 13.7   | 41.1  |       |

Manual Integrations  
 APPROVED

MMDadoda  
 7/13/2020 10:47:42 AM

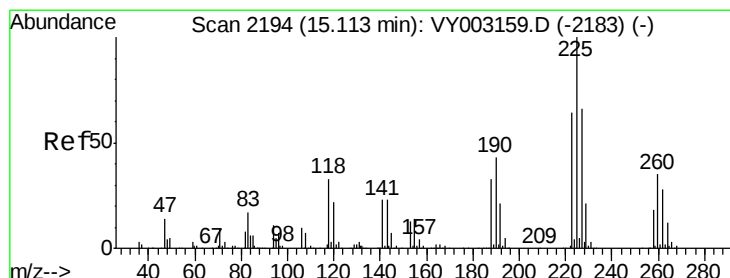
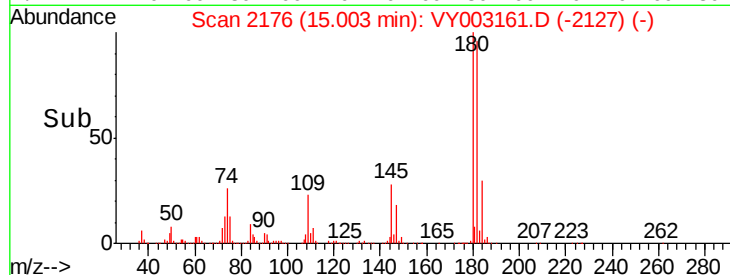
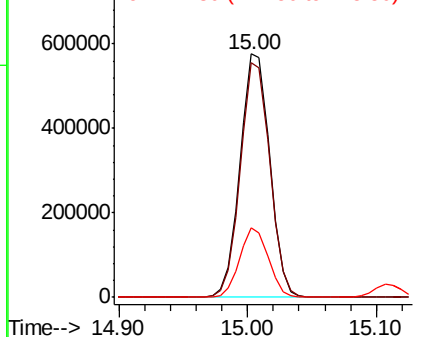


Abundance

Ion 179.80 (179.50 to 180.50): V

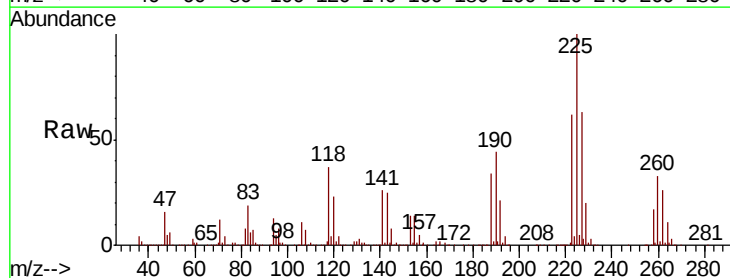
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
 Hexachlorobutadiene  
 Concen: 143.673 ug/l  
 RT: 15.11 min Scan# 2193  
 Delta R.T. -0.01 min  
 Lab File: VY003161.D  
 Acq: 10 Jul 2020 13:02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 615238 |       |       |
| 223     | 62.4  | 31.6   | 94.7  |       |
| 227     | 63.8  | 32.3   | 96.8  |       |

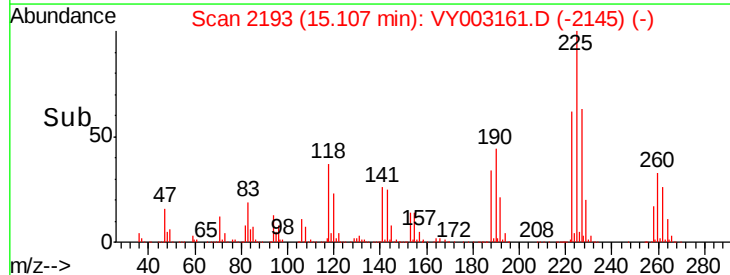
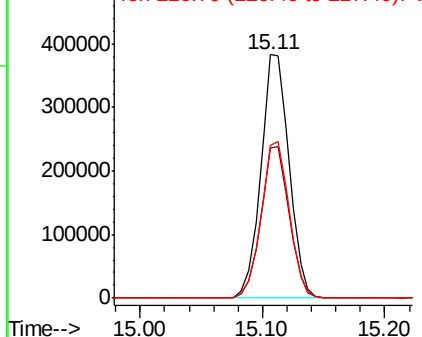


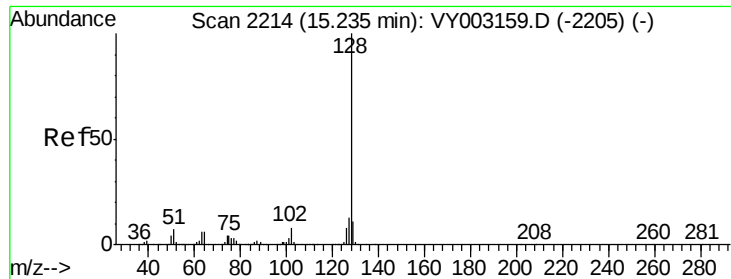
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





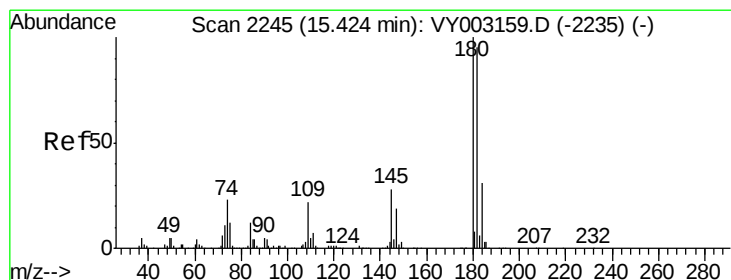
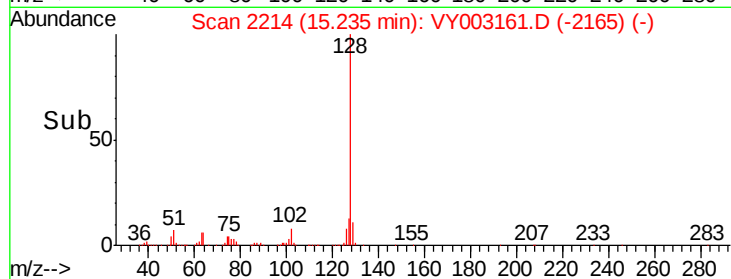
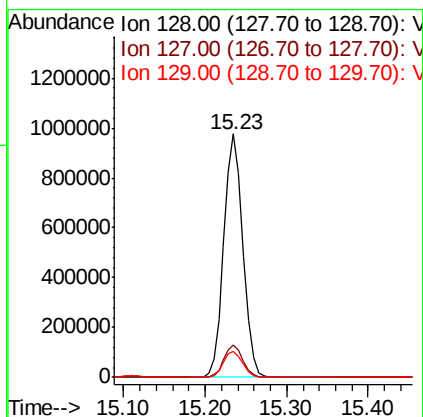
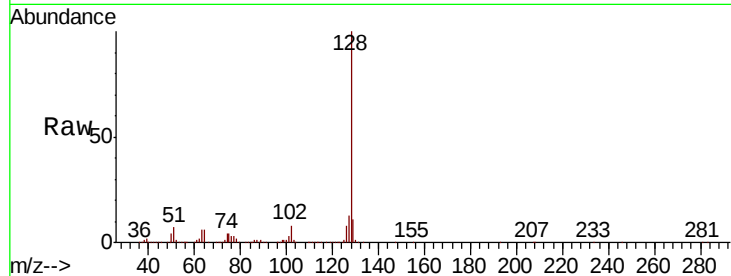
#95  
Naphthalene  
Concen: 130.413 ug/l  
RT: 15.23 min Scan# 2214  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.3  | 10.9  | 16.3  |
| 129     | 10.9  | 9.0   | 13.6  |

Manual Integrations  
APPROVED

MMDadoda  
7/13/2020 10:47:42 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 126.767 ug/l  
RT: 15.42 min Scan# 2245  
Delta R.T. 0.00 min  
Lab File: VY003161.D  
Acq: 10 Jul 2020 13:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.0  | 48.8  | 146.3 |
| 145     | 29.3  | 14.9  | 44.5  |

