

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101619\  
 Data File : VY000323.D  
 Acq On : 16 Oct 2019 12:41  
 Operator : SY/MD  
 Sample : VY1016SBS01  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1016SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 10/18/2019 12:50:35 AM

Quant Time: Oct 17 01:45:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y101119S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 14 08:10:23 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 308718   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.70  | 114  | 525921   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 461004   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 226165   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 171163   | 52.56 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.12% |          |
| 35) Dibromofluoromethane    | 7.72  | 113  | 154431   | 48.68 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.36%  |          |
| 50) Toluene-d8              | 10.18 | 98   | 623146   | 51.06 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.12% |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 219364   | 47.32 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.64%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.90 | 85   | 58899    | 21.685  | ug/l   | 96     |
| 3) Chloromethane              | 2.12 | 50   | 73812    | 19.566  | ug/l   | 95     |
| 4) Vinyl Chloride             | 2.26 | 62   | 79782    | 20.955  | ug/l   | 97     |
| 5) Bromomethane               | 2.64 | 94   | 59772    | 21.184  | ug/l   | 93     |
| 6) Chloroethane               | 2.79 | 64   | 51531    | 20.977  | ug/l   | 100    |
| 7) Trichlorofluoromethane     | 3.13 | 101  | 107924   | 20.723  | ug/l   | 96     |
| 8) Diethyl Ether              | 3.54 | 74   | 38568    | 20.963  | ug/l   | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.90 | 101  | 65781    | 20.828  | ug/l   | 99     |
| 10) Methyl Iodide             | 4.09 | 142  | 77773    | 18.064  | ug/l   | 100    |
| 11) Tert butyl alcohol        | 4.97 | 59   | 30067    | 88.226  | ug/l   | 98     |
| 12) 1,1-Dichloroethene        | 3.88 | 96   | 64511    | 20.690  | ug/l   | 93     |
| 13) Acrolein                  | 3.73 | 56   | 32733    | 81.925  | ug/l   | 97     |
| 14) Allyl chloride            | 4.48 | 41   | 110808   | 21.445  | ug/l   | 96     |
| 15) Acrylonitrile             | 5.18 | 53   | 98479    | 95.633  | ug/l   | 98     |
| 16) Acetone                   | 3.96 | 43   | 80896    | 76.708  | ug/l   | 98     |
| 17) Carbon Disulfide          | 4.19 | 76   | 200374   | 20.411  | ug/l   | 96     |
| 18) Methyl Acetate            | 4.49 | 43   | 48773    | 18.614  | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 5.23 | 73   | 180297   | 20.772  | ug/l   | 96     |
| 20) Methylene Chloride        | 4.72 | 84   | 76159    | 17.949  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 5.22 | 96   | 71958    | 20.115  | ug/l # | 87     |
| 22) Diisopropyl ether         | 6.13 | 45   | 228392   | 20.899  | ug/l   | 95     |
| 23) Vinyl Acetate             | 6.07 | 43   | 716082   | 100.439 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 6.03 | 63   | 123172   | 20.649  | ug/l   | 100    |
| 25) 2-Butanone                | 7.00 | 43   | 137539   | 92.583  | ug/l   | 94     |
| 26) 2,2-Dichloropropane       | 6.99 | 77   | 113642   | 20.675  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 7.00 | 96   | 82917    | 21.421  | ug/l   | 96     |
| 28) Bromochloromethane        | 7.34 | 49   | 46627    | 18.208  | ug/l   | 96     |
| 29) Tetrahydrofuran           | 7.36 | 42   | 85744    | 95.237  | ug/l   | 99     |
| 30) Chloroform                | 7.52 | 83   | 126077   | 20.987  | ug/l   | 100    |
| 31) Cyclohexane               | 7.79 | 56   | 127736   | 20.502  | ug/l # | 95     |
| 32) 1,1,1-Trichloroethane     | 7.71 | 97   | 110123   | 20.619  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.93 | 75   | 98707    | 19.170  | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.09 | 43   | 58649    | 19.236  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.91 | 117  | 96567    | 19.369  | ug/l   | 95     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101619\  
 Data File : VY000323.D  
 Acq On : 16 Oct 2019 12:41  
 Operator : SY/MD  
 Sample : VY1016SBS01  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1016SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 10/18/2019 12:50:35 AM

Quant Time: Oct 17 01:45:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y101119S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 14 08:10:23 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.19  | 83   | 129183   | 19.169  | ug/l   | 98       |
| 40) Benzene                    | 8.17  | 78   | 291432   | 19.585  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.32  | 41   | 25561m   | 17.613  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.25  | 62   | 82925    | 19.509  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.28  | 43   | 108855   | 18.777  | ug/l   | 97       |
| 44) Trichloroethene            | 8.94  | 130  | 81428    | 19.503  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 9.22  | 63   | 72273    | 19.792  | ug/l   | 95       |
| 46) Dibromomethane             | 9.32  | 93   | 40071    | 19.630  | ug/l   | 96       |
| 47) Bromodichloromethane       | 9.50  | 83   | 93912    | 19.521  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.30  | 41   | 48091    | 18.929  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.31  | 88   | 10764    | 351.677 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 10.08 | 43   | 282630   | 94.524  | ug/l   | 99       |
| 52) Toluene                    | 10.25 | 92   | 189166   | 20.023  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.47 | 75   | 101460   | 19.679  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.94  | 75   | 118365   | 20.215  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane      | 10.65 | 97   | 56433    | 19.013  | ug/l   | 93       |
| 56) Ethyl methacrylate         | 10.52 | 69   | 81056    | 19.160  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.80 | 76   | 102150   | 20.040  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.79  | 63   | 194013   | 114.975 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.83 | 43   | 205525   | 97.927  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.99 | 129  | 63524    | 19.310  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.09 | 107  | 55890    | 19.612  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.72 | 164  | 85961    | 19.586  | ug/l   | 95       |
| 65) Chlorobenzene              | 11.52 | 112  | 196502   | 20.197  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.59 | 131  | 69478    | 20.329  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.60 | 91   | 366223   | 20.305  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.70 | 106  | 277510   | 40.249  | ug/l   | 98       |
| 69) o-Xylene                   | 12.03 | 106  | 128036   | 19.466  | ug/l   | 97       |
| 70) Styrene                    | 12.05 | 104  | 217440   | 19.602  | ug/l   | 99       |
| 71) Bromoform                  | 12.21 | 173  | 38282    | 19.485  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.33 | 105  | 350809   | 19.893  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.14 | 43   | 93518    | 21.601  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.58 | 83   | 65613    | 19.816  | ug/l   | 94       |
| 76) 1,2,3-Trichloropropane     | 12.64 | 75   | 53635m   | 19.286  | ug/l   |          |
| 77) Bromobenzene               | 12.61 | 156  | 80362    | 20.479  | ug/l   | 94       |
| 78) n-propylbenzene            | 12.67 | 91   | 423000   | 19.978  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.76 | 91   | 232766   | 19.906  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.81 | 105  | 290880   | 19.671  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 23917    | 18.816  | ug/l   | 100      |
| 82) 4-Chlorotoluene            | 12.86 | 91   | 251474   | 20.345  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.08 | 119  | 253504   | 20.244  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.12 | 105  | 294312   | 20.166  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.25 | 105  | 358738   | 19.803  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.37 | 119  | 318848   | 20.189  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.36 | 146  | 151843   | 19.639  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.45 | 146  | 152252   | 19.701  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.70 | 91   | 315492   | 20.215  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.96 | 117  | 59234    | 20.255  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 13.74 | 146  | 141850   | 20.273  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.36 | 75   | 11987    | 19.089  | ug/l   | 96       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101619\  
Data File : VY000323.D  
Acq On : 16 Oct 2019 12:41  
Operator : SY/MD  
Sample : VY1016SBS01  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1016SBS01

Manual Integrations  
APPROVED

MMDadoda  
10/18/2019 12:50:35 AM

Quant Time: Oct 17 01:45:12 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y101119S.M  
Quant Title : SW846 8260  
QLast Update : Mon Oct 14 08:10:23 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.01 | 180  | 96686    | 19.847 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 15.11 | 225  | 51949    | 19.705 | ug/l  | 96       |
| 95) Naphthalene            | 15.23 | 128  | 213040   | 19.596 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.42 | 180  | 87498    | 19.929 | ug/l  | 98       |

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

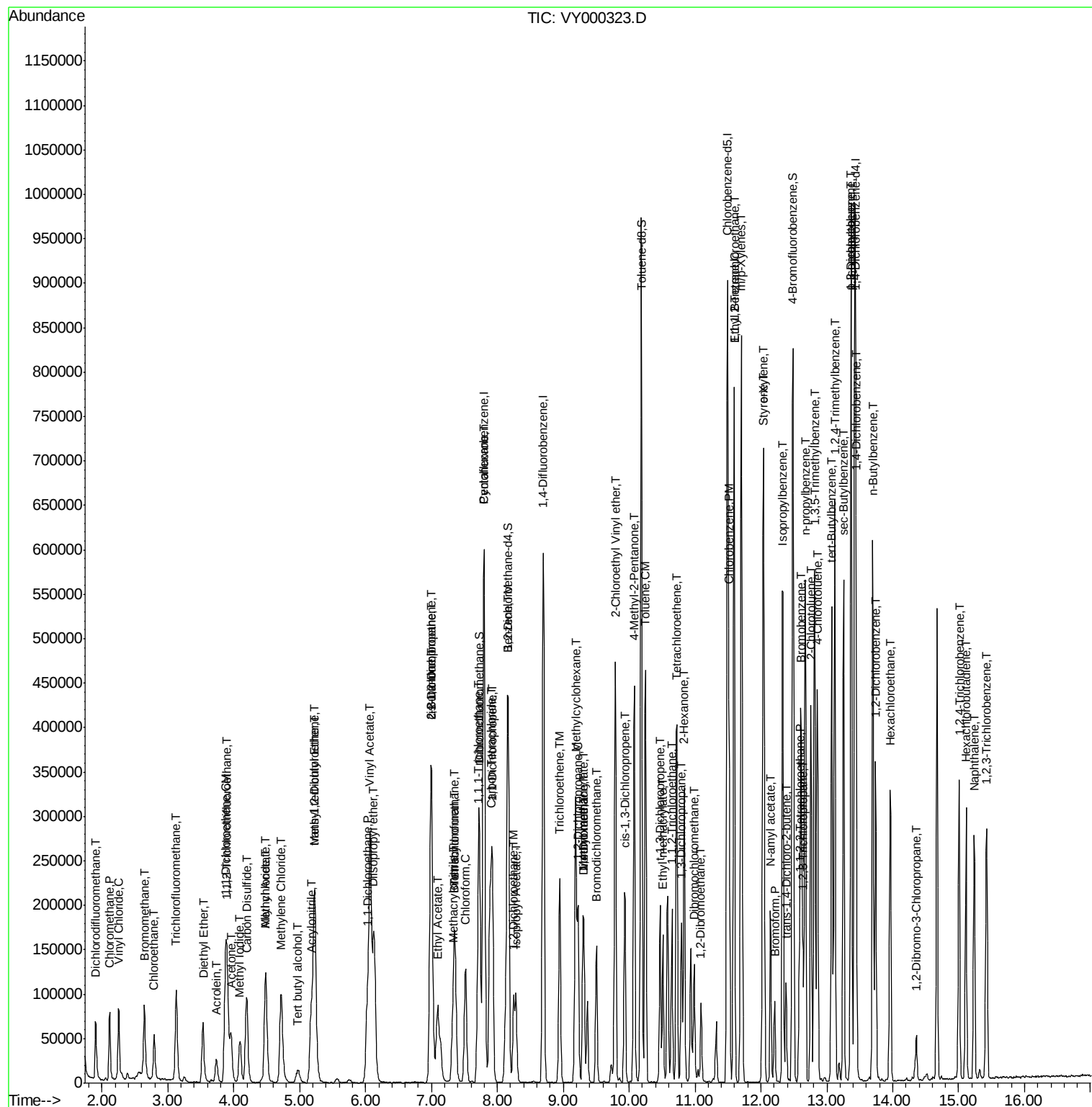
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY101619\  
Data File : VY000323.D  
Acq On : 16 Oct 2019 12:41  
Operator : SY/MD  
Sample : VY1016SBS01  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

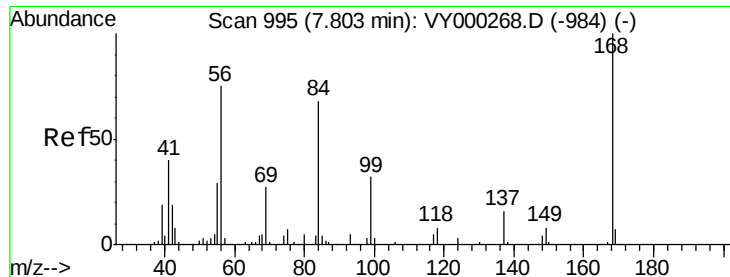
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1016SBS01

Manual Integrations  
APPROVED

MMDadoda  
10/18/2019 12:50:35 AM

Quant Time: Oct 17 01:45:12 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y101119S.M  
Quant Title : SW846 8260  
QLast Update : Mon Oct 14 08:10:23 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Instrument :

MSVOA\_Y

ClientSampleId :

VY1016SBS01

Tot Ion:168 Resp: 308718

Ion Ratio Lower Upper

168 100

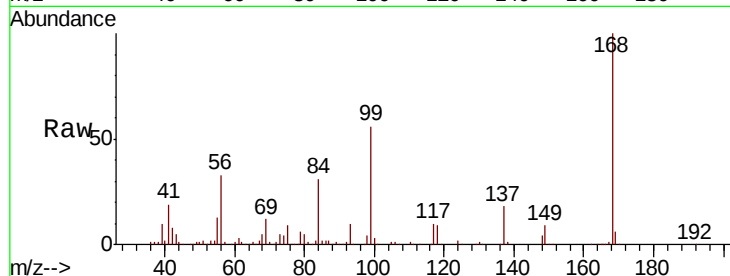
99 56.3 46.6 69.8

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:50:35 AM



Abundance Ion 167.90 (167.60 to 168.60): VY000323.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000323.D (-946) (-)

7.80

150000

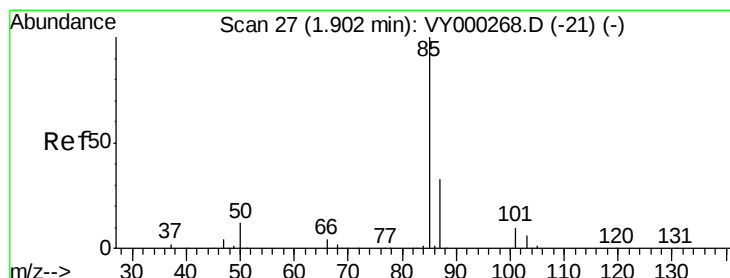
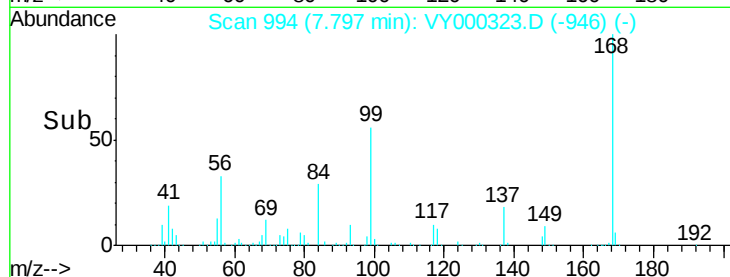
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 21.685 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000323.D

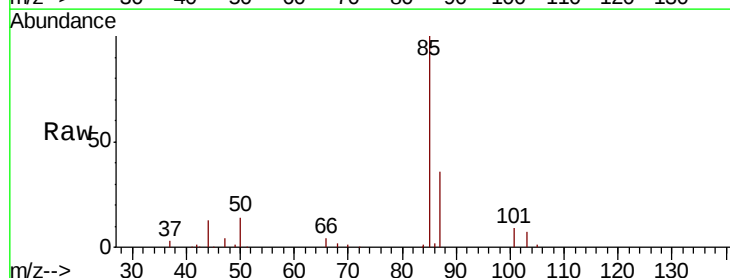
Acq: 16 Oct 2019 12:41

Tgt Ion: 85 Resp: 58899

Ion Ratio Lower Upper

85 100

87 35.7 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000323.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000323.D (-1) (-)

1.90

40000

30000

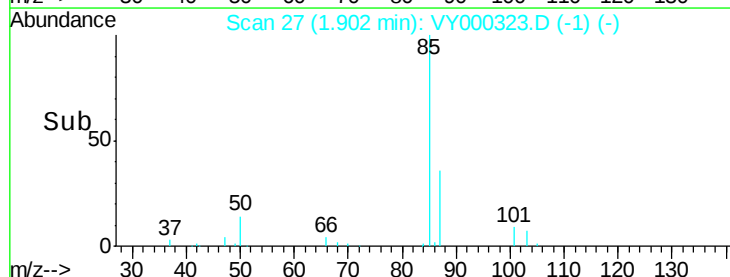
20000

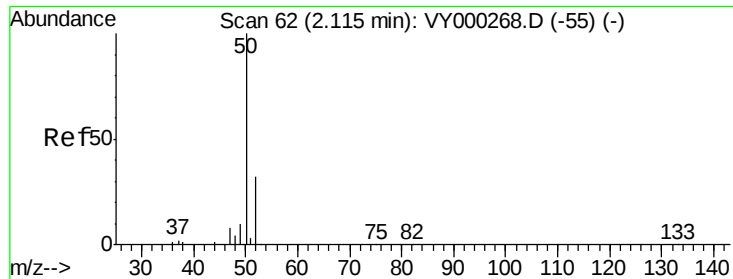
10000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 19.566 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Instrument :

MSVOA\_Y

ClientSampleId :

VY1016SBS01

Tot Ion: 50 Resp: 73812

Ion Ratio Lower Upper

50 100

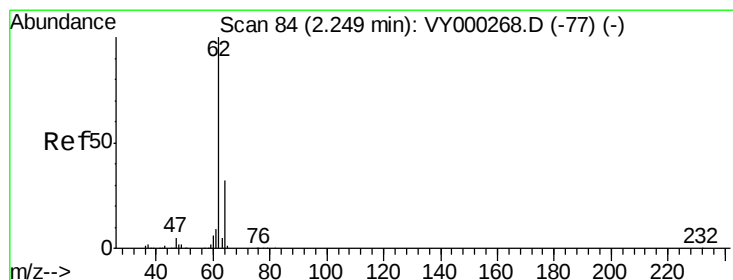
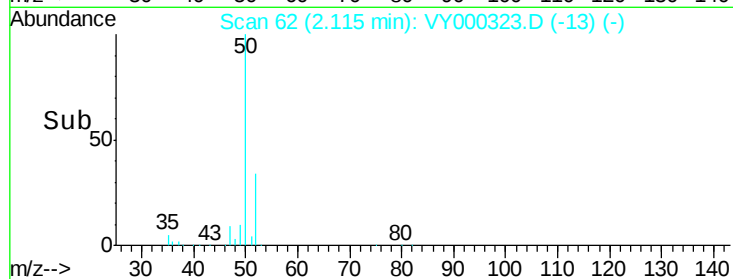
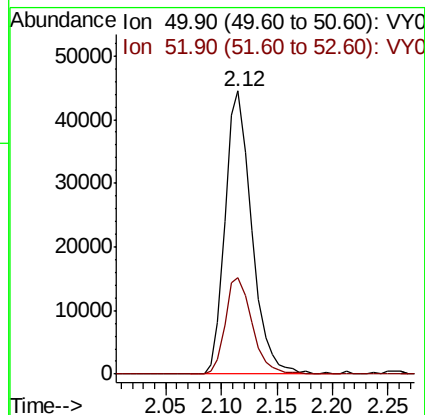
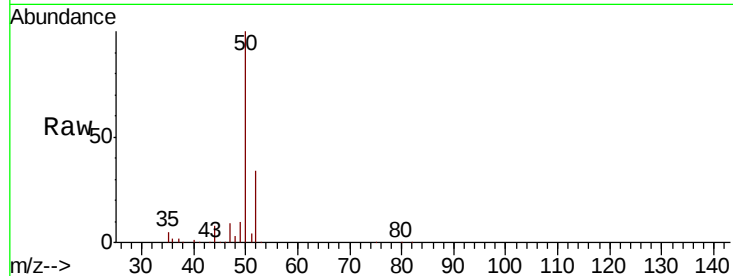
52 34.1 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:50:35 AM



#4

Vinyl Chloride

Concen: 20.955 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000323.D

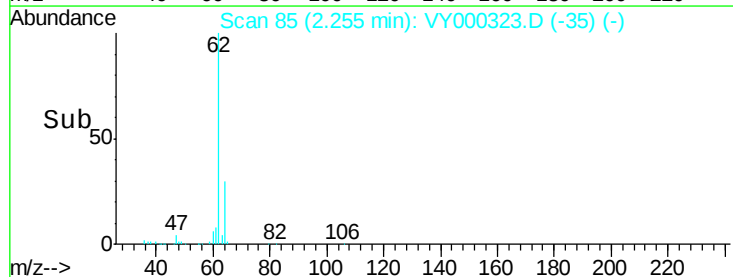
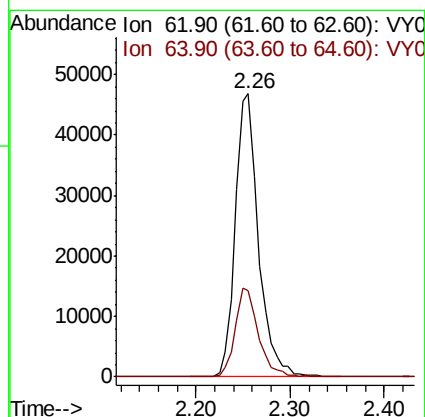
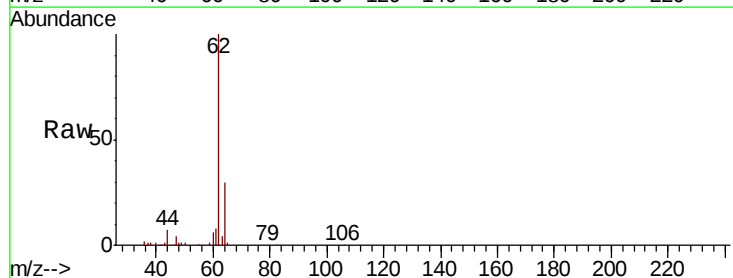
Acq: 16 Oct 2019 12:41

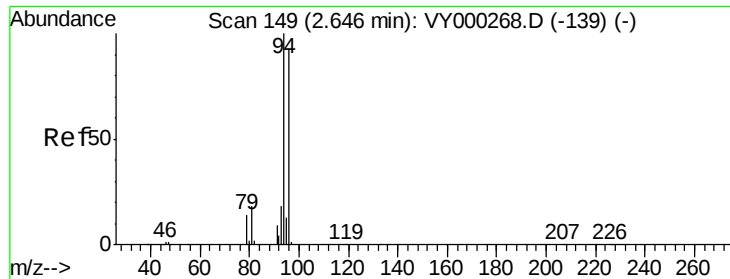
Tgt Ion: 62 Resp: 79782

Ion Ratio Lower Upper

62 100

64 30.5 25.6 38.4





#5

Bromomethane

Concen: 21.184 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Instrument :

MSVOA\_Y

ClientSampleId :

VY1016SBS01

Tot Ion: 94 Resp: 59772

Ion Ratio Lower Upper

94 100

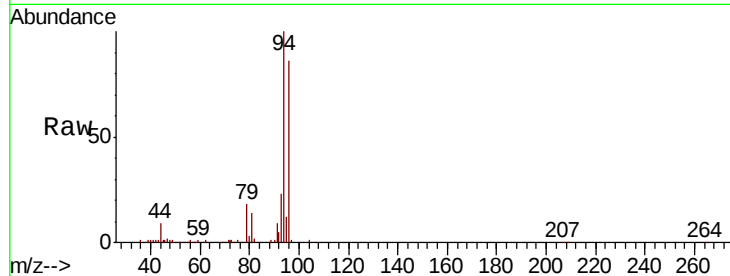
96 86.0 74.2 111.2

Manual Integrations

APPROVED

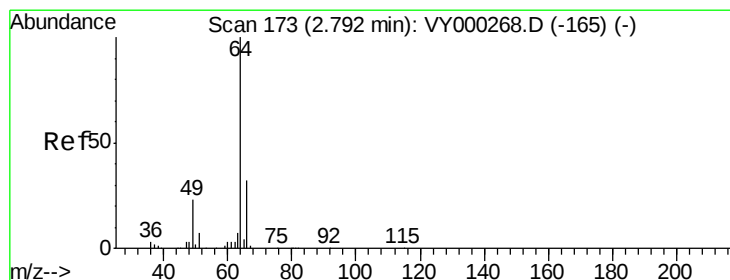
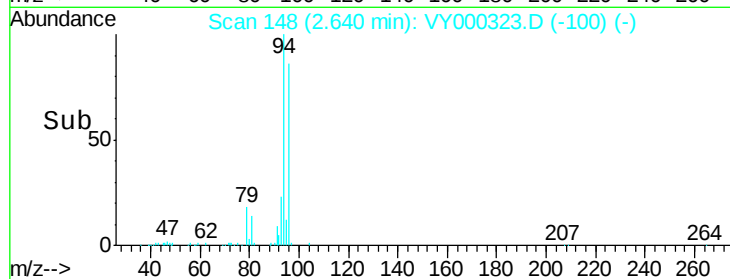
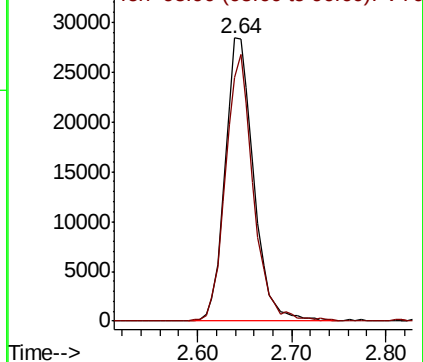
MMDadoda

10/18/2019 12:50:35 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.977 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000323.D

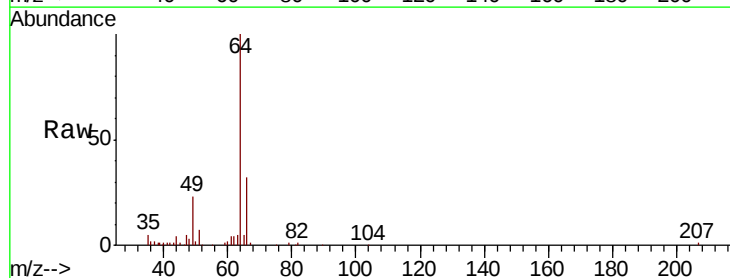
Acq: 16 Oct 2019 12:41

Tgt Ion: 64 Resp: 51531

Ion Ratio Lower Upper

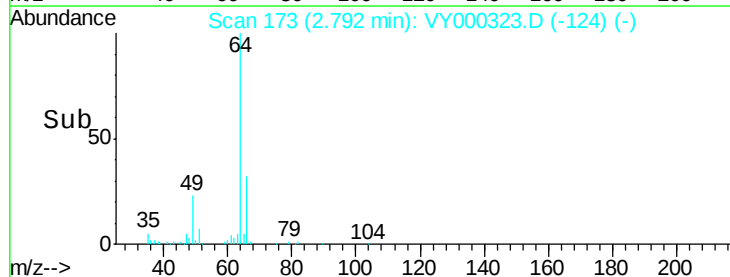
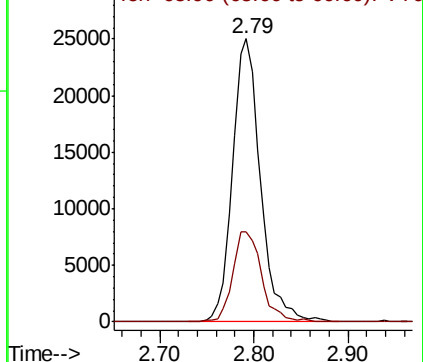
64 100

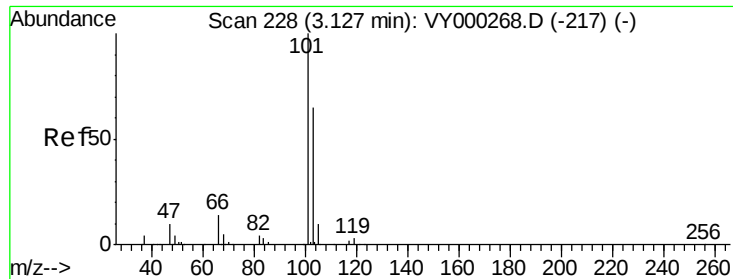
66 31.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

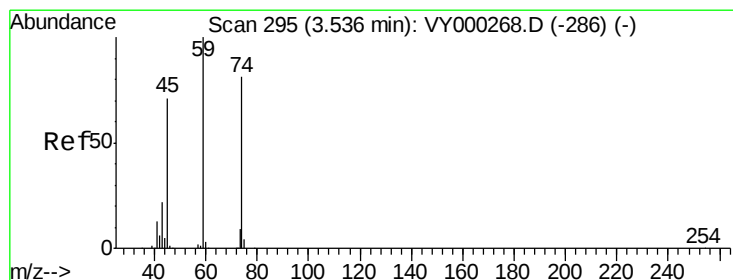
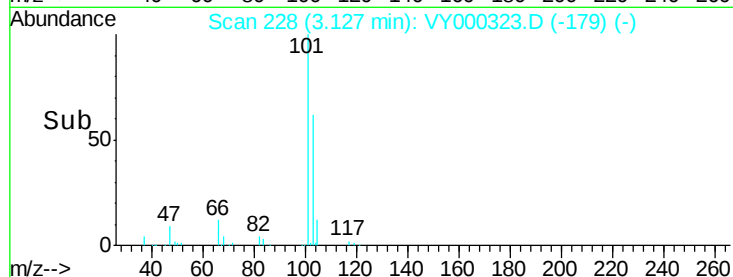
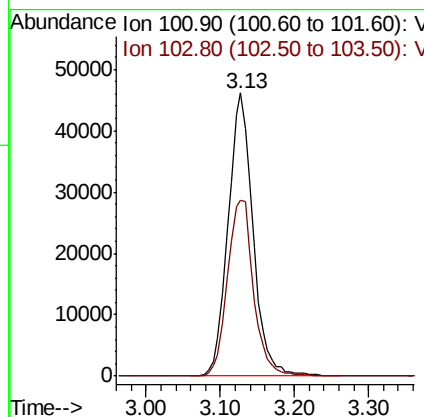
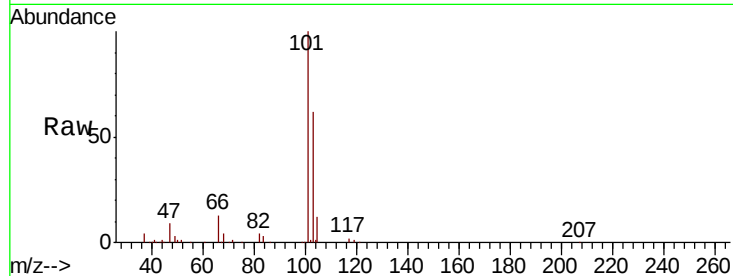
Trichlorofluoromethane  
 Concen: 20.723 ug/l  
 RT: 3.13 min Scan# 228  
 Delta R.T. -0.00 min  
 Lab File: VY000323.D  
 Acq: 16 Oct 2019 12:41

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1016SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 62.2  | 52.2  | 78.4  |

Manual Integrations  
 APPROVED

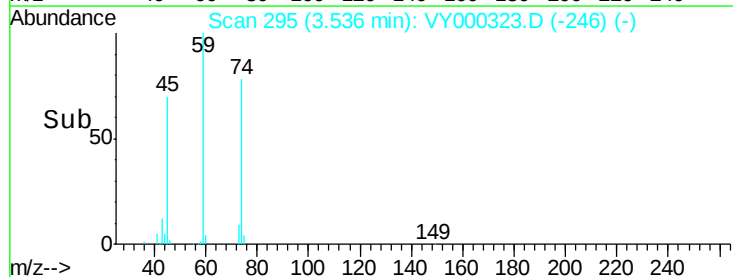
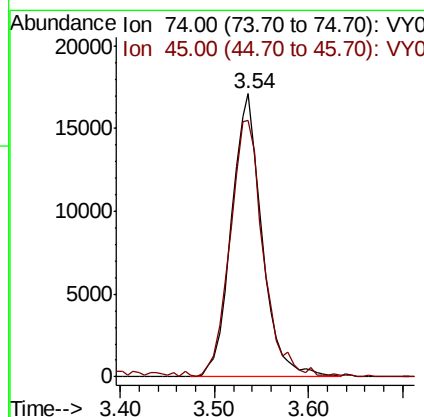
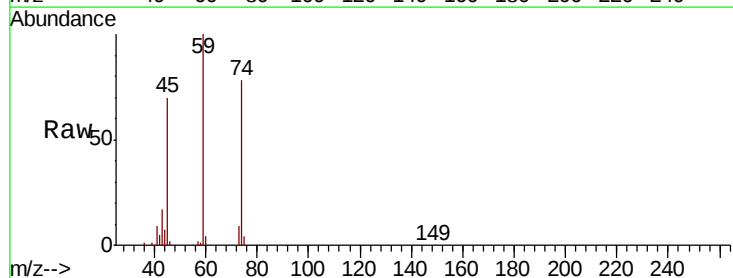
MMDadoda  
 10/18/2019 12:50:35 AM

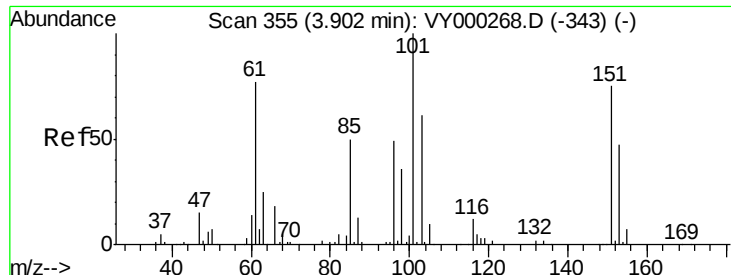


#8

Diethyl Ether  
 Concen: 20.963 ug/l  
 RT: 3.54 min Scan# 295  
 Delta R.T. -0.00 min  
 Lab File: VY000323.D  
 Acq: 16 Oct 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 98.3  | 47.1  | 141.4 |





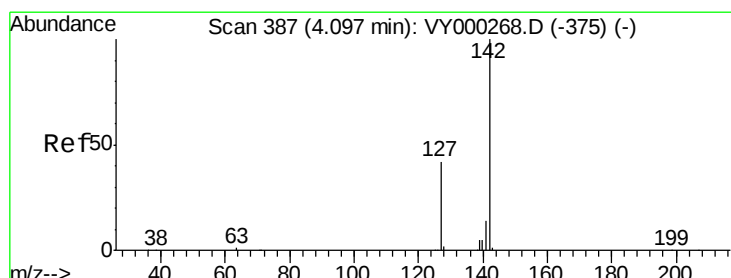
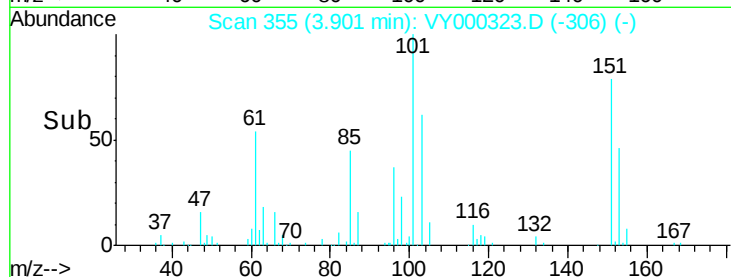
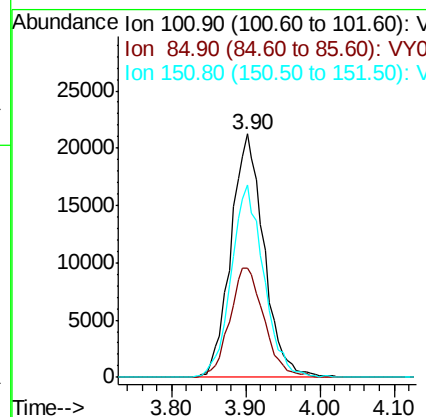
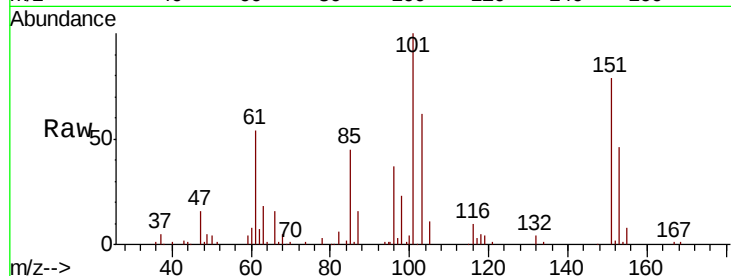
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.828 ug/l  
RT: 3.90 min Scan# 355  
Delta R.T. -0.00 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1016SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 85      | 46.9  | 36.6  | 55.0  |
| 151     | 77.9  | 63.1  | 94.7  |

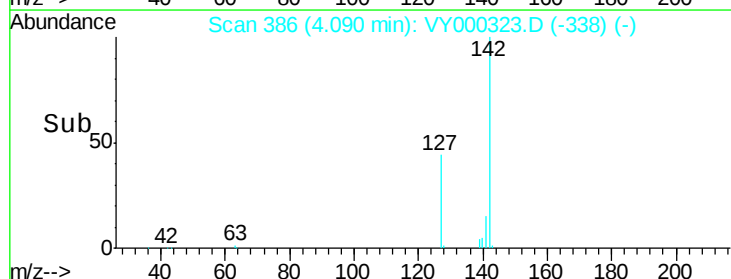
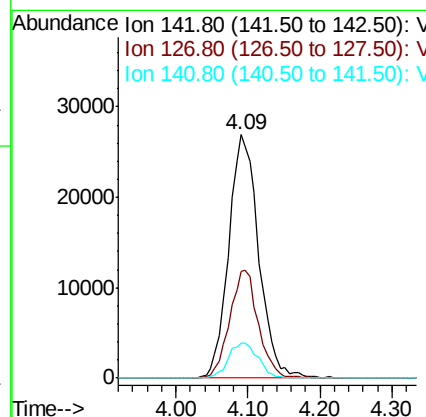
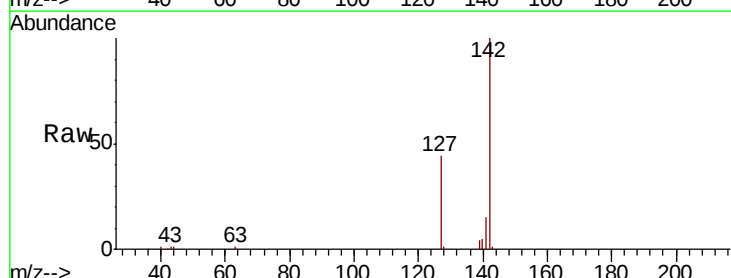
Manual Integrations  
APPROVED

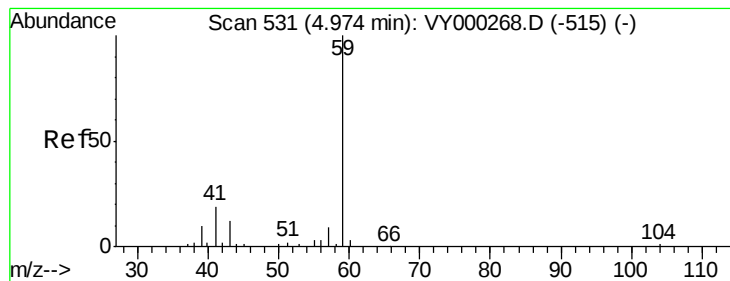
MMDadoda  
10/18/2019 12:50:35 AM



#10  
Methyl Iodide  
Concen: 18.064 ug/l  
RT: 4.09 min Scan# 386  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 42.4  | 33.9  | 50.9  |
| 141     | 14.2  | 11.2  | 16.8  |





#11

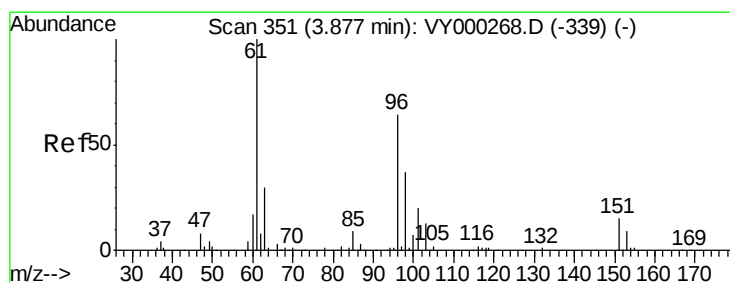
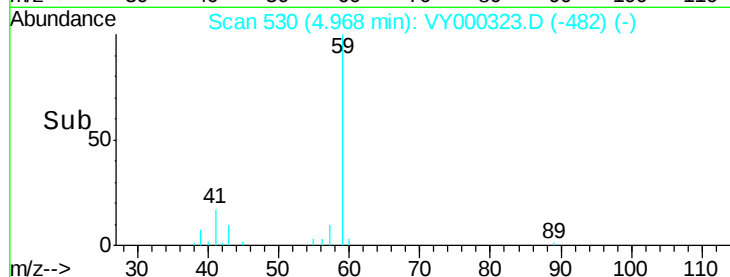
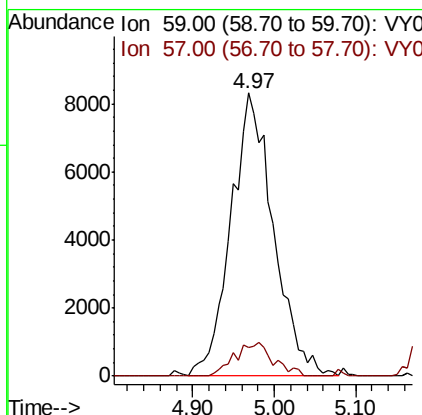
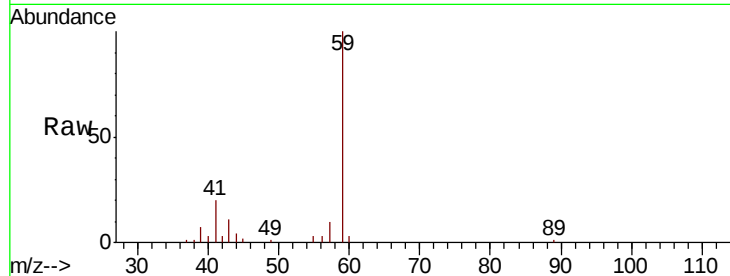
Tert butyl alcohol  
Concen: 88.226 ug/l  
RT: 4.97 min Scan# 530  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1016SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.9  | 8.2   | 12.2  |

Manual Integrations  
APPROVED

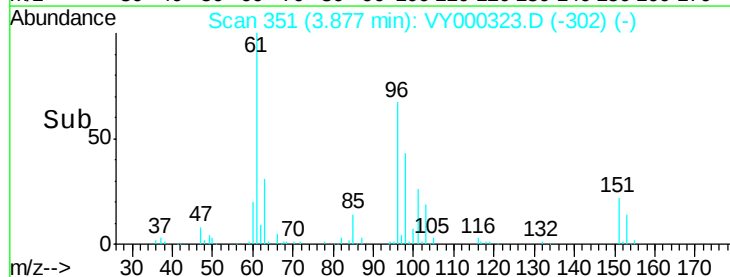
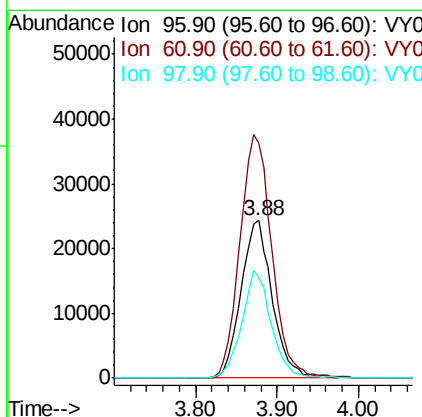
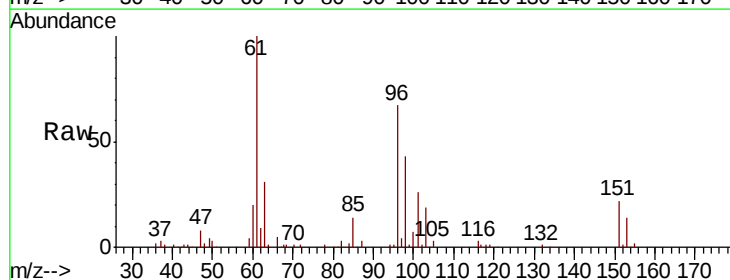
MMDadoda  
10/18/2019 12:50:35 AM

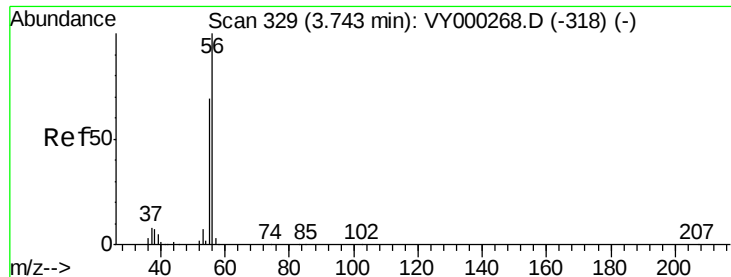


#12

1,1-Dichloroethene  
Concen: 20.690 ug/l  
RT: 3.88 min Scan# 351  
Delta R.T. -0.00 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 148.8 | 125.8 | 188.6 |
| 98      | 63.6  | 46.2  | 69.2  |





#13

Acrolein

Concen: 81.925 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.01 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Instrument :

MSVOA\_Y

ClientSampleId :

VY1016SBS01

Tot Ion: 56 Resp: 32733

Ion Ratio Lower Upper

56 100

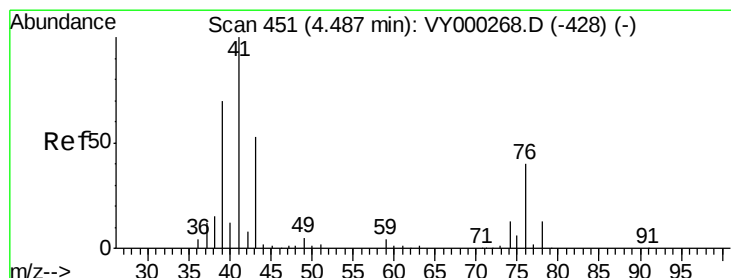
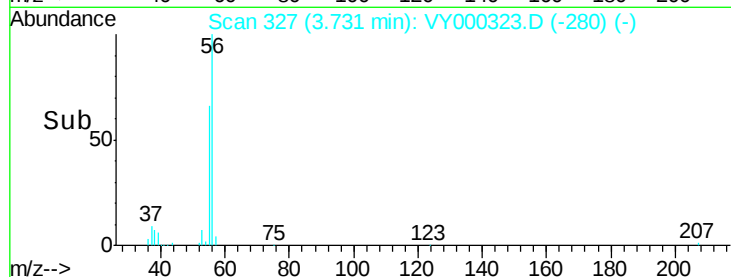
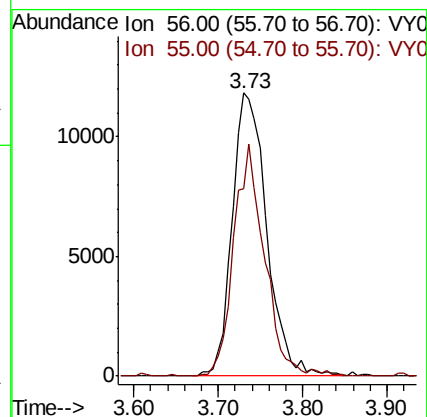
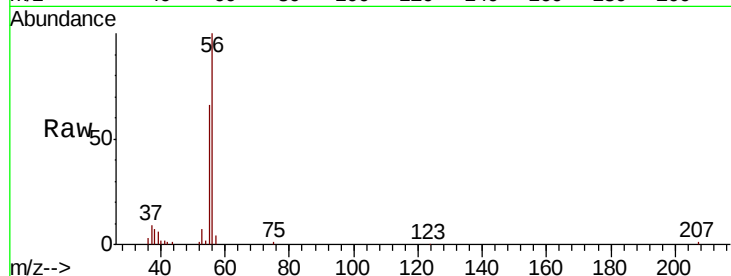
55 72.5 55.7 83.5

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:50:35 AM



#14

Allyl chloride

Concen: 21.445 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

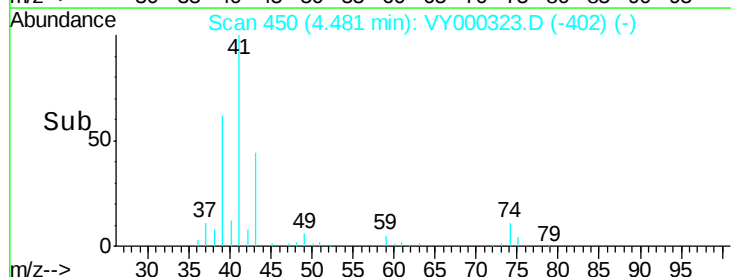
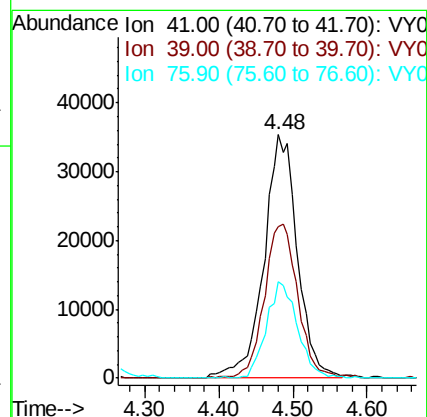
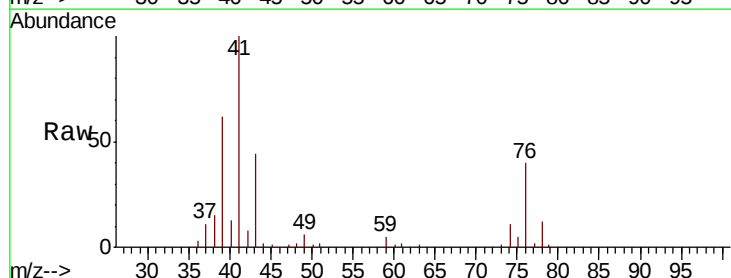
Tgt Ion: 41 Resp: 110808

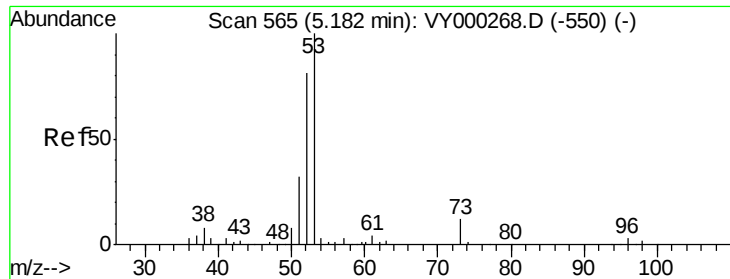
Ion Ratio Lower Upper

41 100

39 63.9 54.0 81.0

76 36.8 30.7 46.1





#15

Acrylonitrile

Concen: 95.633 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Instrument :

MSVOA\_Y

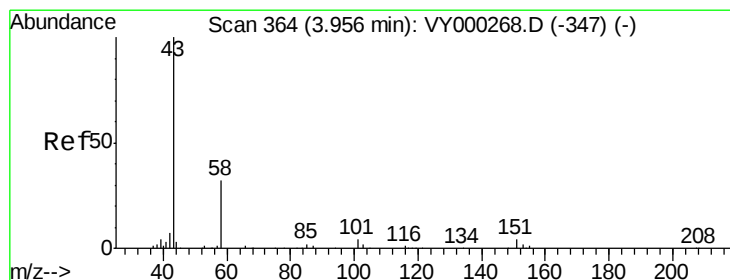
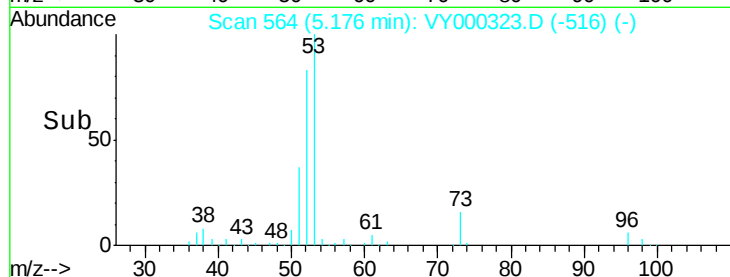
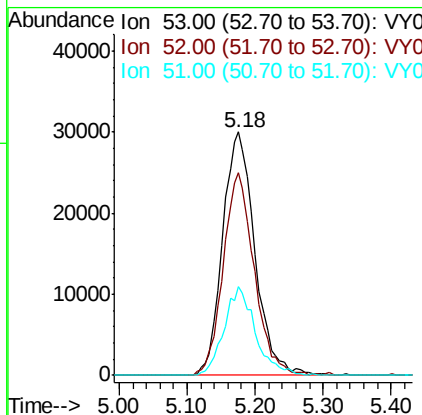
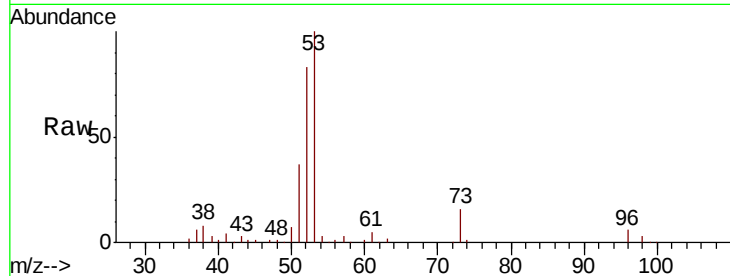
ClientSampleId :

VY1016SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 98479 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 80.3  | 62.9  | 94.3  |
| 51       | 35.6  | 26.9  | 40.3  |

Manual Integrations  
APPROVED

MMDadoda  
10/18/2019 12:50:35 AM



#16

Acetone

Concen: 76.708 ug/l

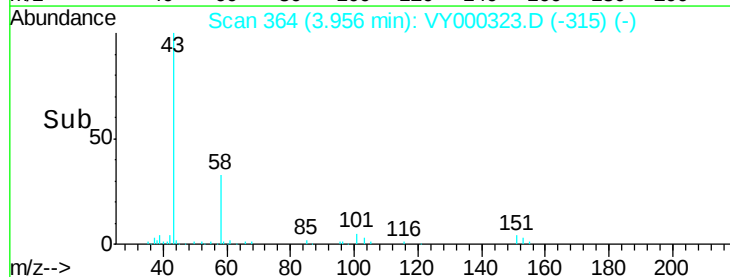
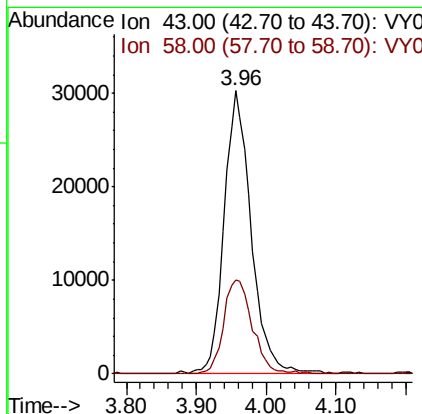
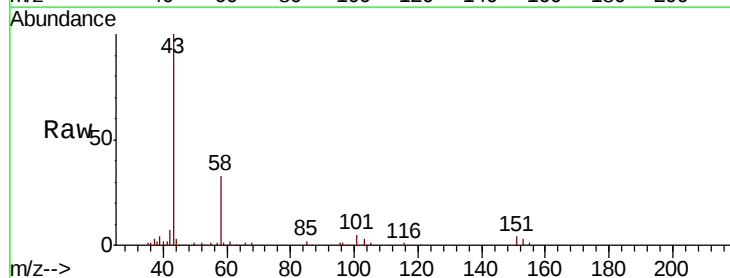
RT: 3.96 min Scan# 364

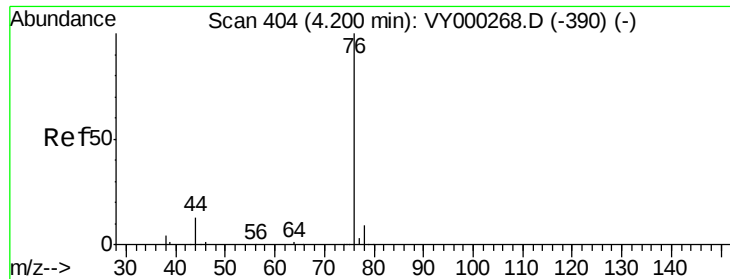
Delta R.T. -0.00 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 80896 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 33.1  | 25.8  | 38.6  |





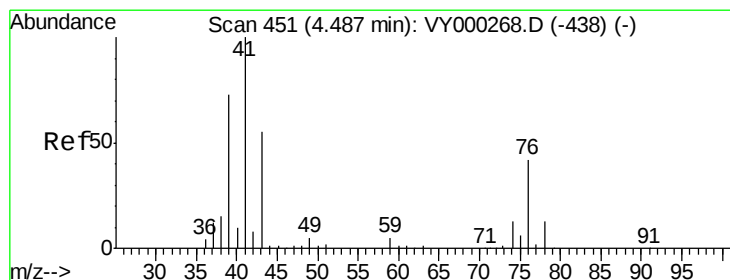
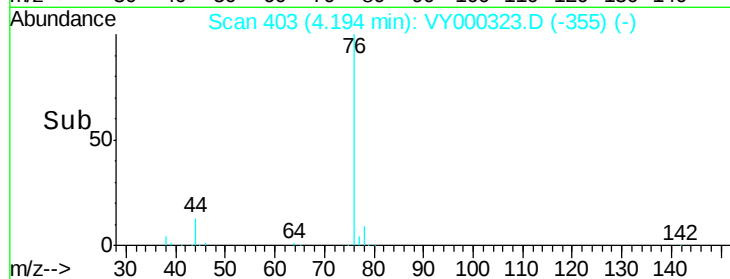
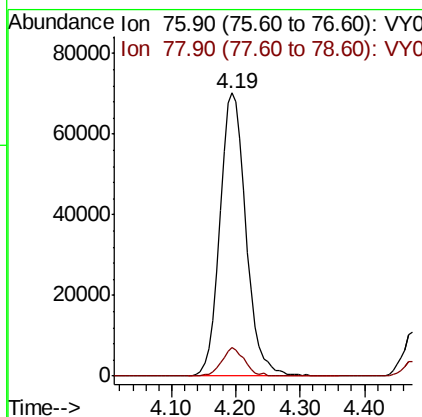
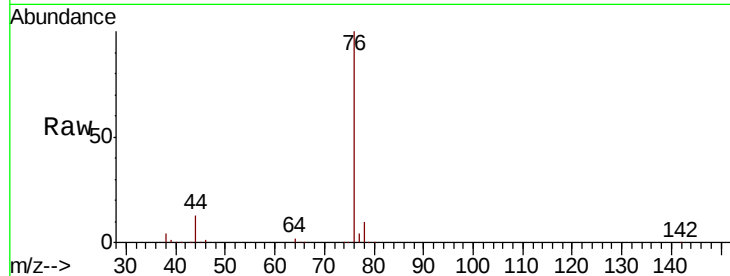
#17  
Carbon Disulfide  
Concen: 20.411 ug/l  
RT: 4.19 min Scan# 403  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1016SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 10.1  | 7.0   | 10.4  |

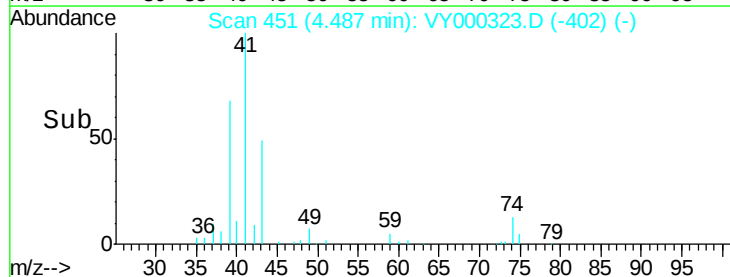
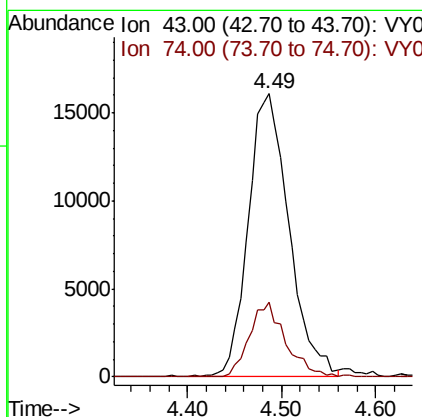
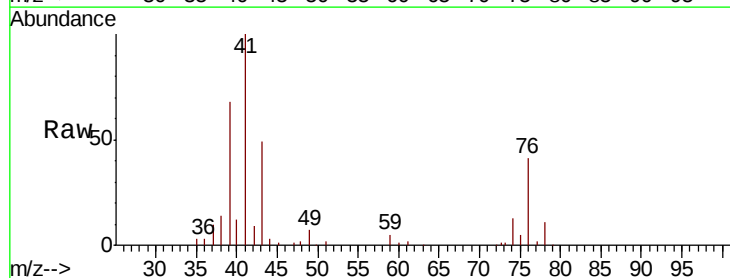
Manual Integrations  
APPROVED

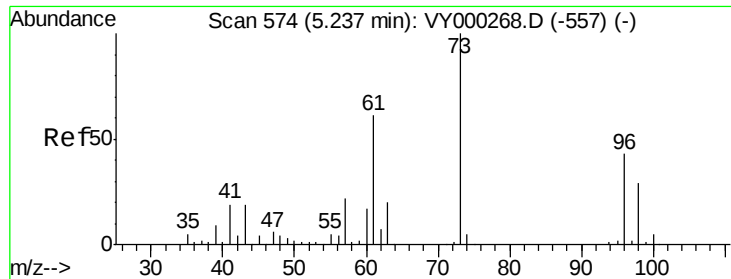
MMDadoda  
10/18/2019 12:50:35 AM



#18  
Methyl Acetate  
Concen: 18.614 ug/l  
RT: 4.49 min Scan# 451  
Delta R.T. -0.00 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.4  | 20.4  | 30.6  |





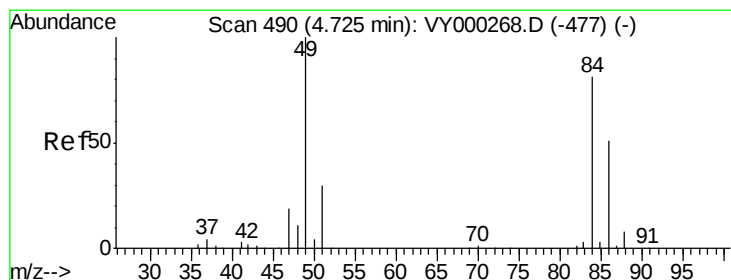
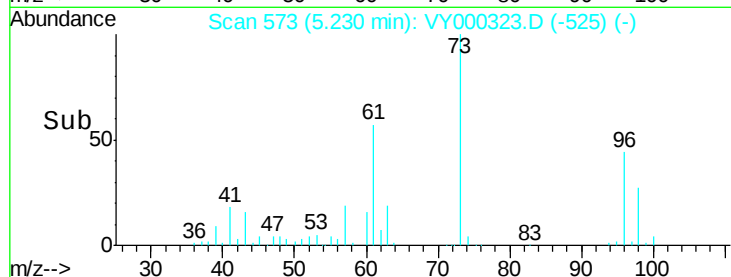
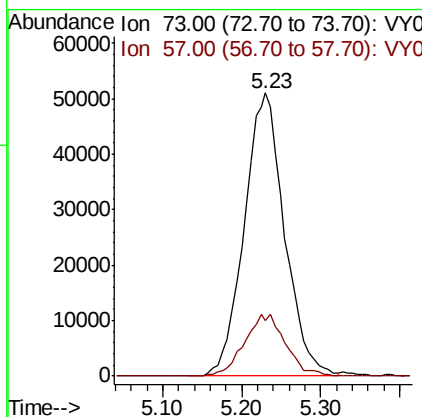
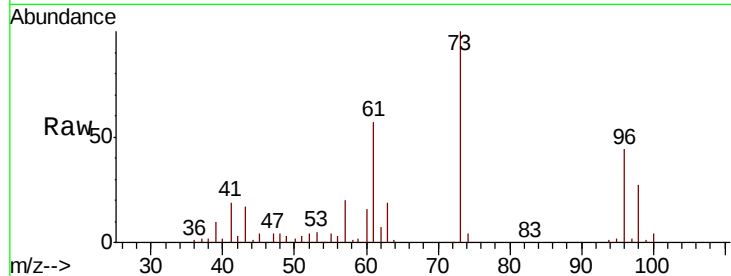
#19  
Methyl tert-butyl Ether  
Concen: 20.772 ug/l  
RT: 5.23 min Scan# 573  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1016SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 19.6  | 17.4  | 26.0  |

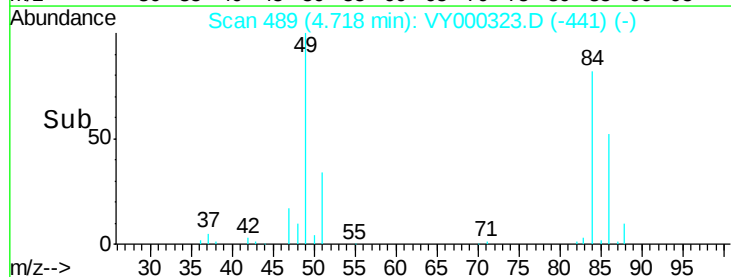
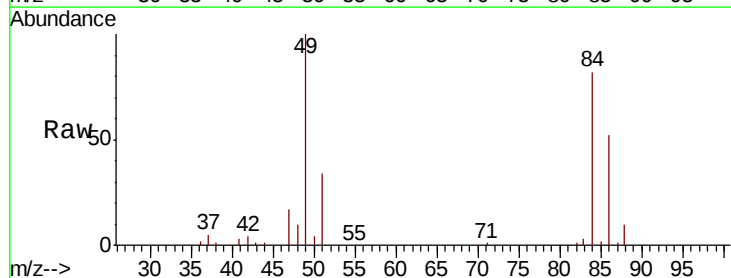
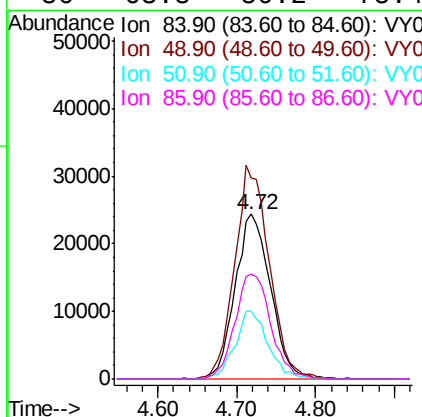
Manual Integrations  
APPROVED

MMDadoda  
10/18/2019 12:50:35 AM



#20  
Methylene Chloride  
Concen: 17.949 ug/l  
RT: 4.72 min Scan# 489  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 122.0 | 99.0  | 148.4 |
| 51      | 41.0  | 29.3  | 43.9  |
| 86      | 63.8  | 50.2  | 75.4  |





#21

trans-1,2-Dichloroethene

Concen: 20.115 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Instrument :

MSVOA\_Y

ClientSampleId :

VY1016SBS01

Tot Ion: 96 Resp: 71958

Ion Ratio Lower Upper

96 100

61 138.1 100.4 150.6

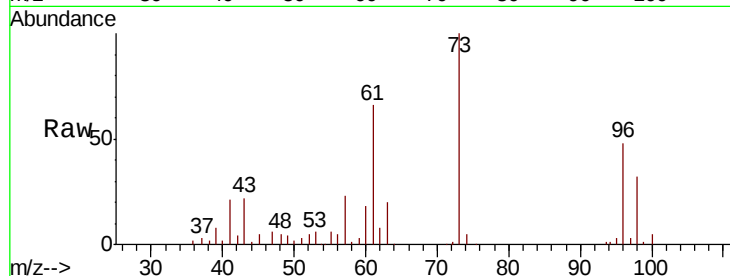
98 67.2 44.6 66.8#

Manual Integrations

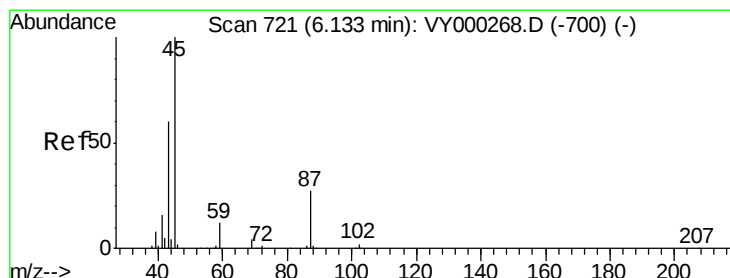
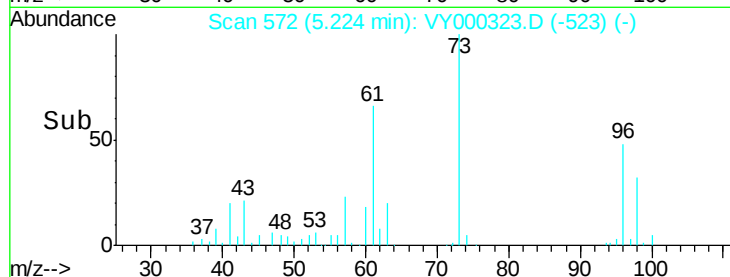
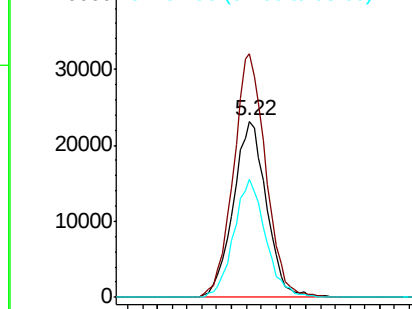
APPROVED

MMDadoda

10/18/2019 12:50:35 AM



Abundance Ion 95.90 (95.60 to 96.60): VY0  
Ion 60.90 (60.60 to 61.60): VY0  
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 20.899 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Tgt Ion: 45 Resp: 228392

Ion Ratio Lower Upper

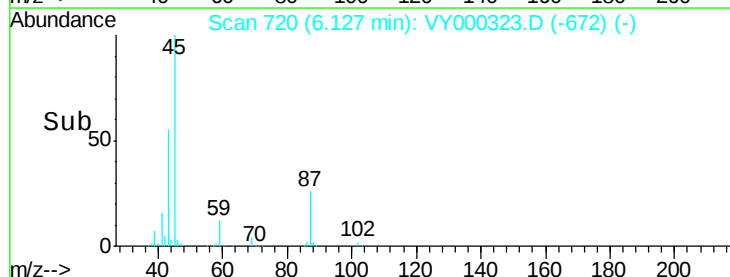
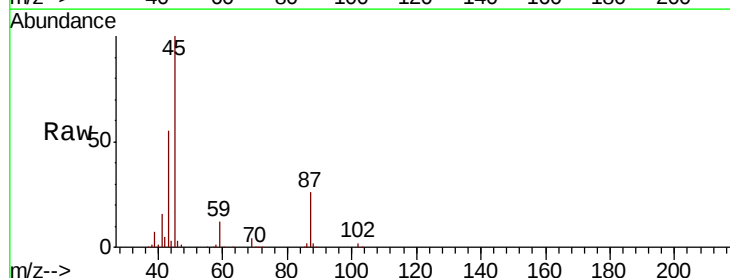
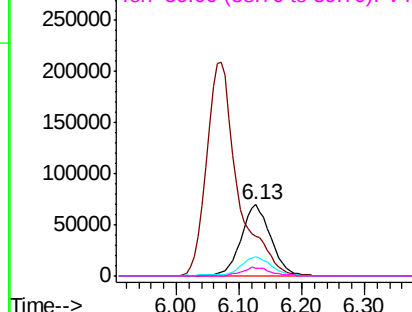
45 100

43 54.8 48.5 72.7

87 26.4 21.5 32.3

59 11.6 9.4 14.0

Abundance Ion 45.00 (44.70 to 45.70): VY0  
Ion 43.00 (42.70 to 43.70): VY0  
Ion 87.00 (86.70 to 87.70): VY0  
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 100.439 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Instrument :

MSVOA\_Y

ClientSampleId :

VY1016SBS01

Tot Ion: 43 Resp: 716082

Ion Ratio Lower Upper

43 100

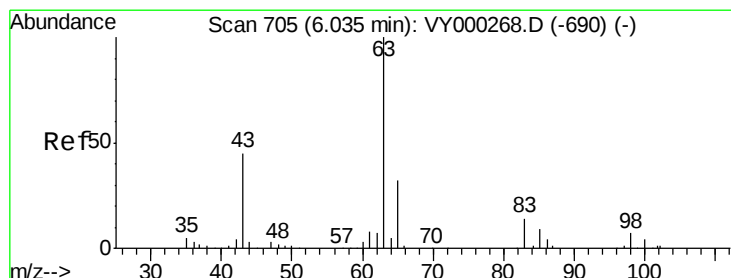
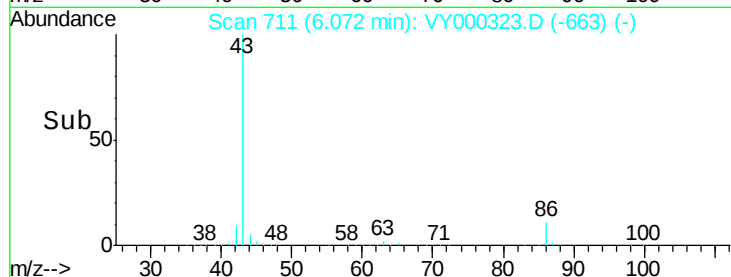
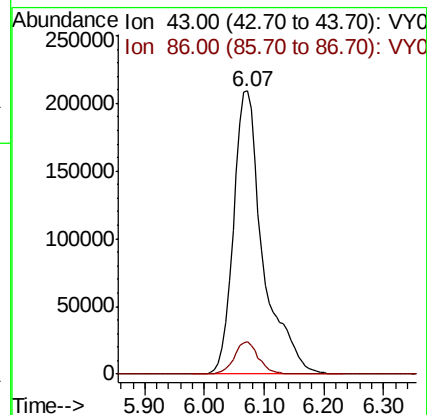
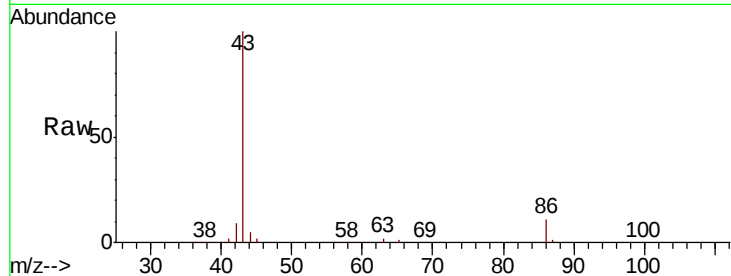
86 11.3 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:50:35 AM



#24

1,1-Dichloroethane

Concen: 20.649 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

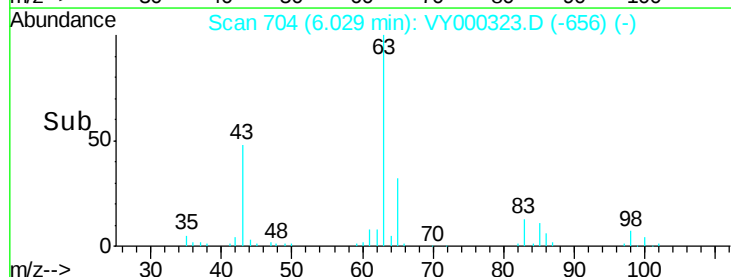
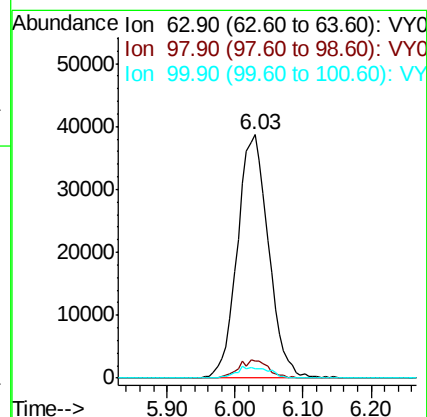
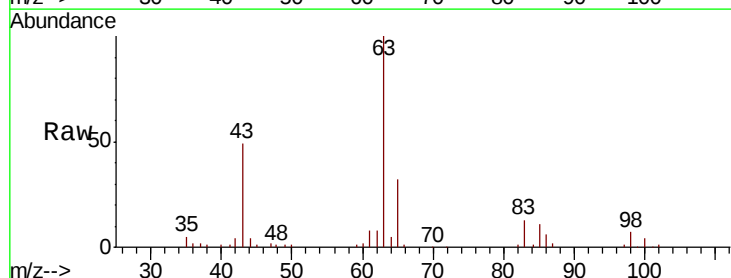
Tgt Ion: 63 Resp: 123172

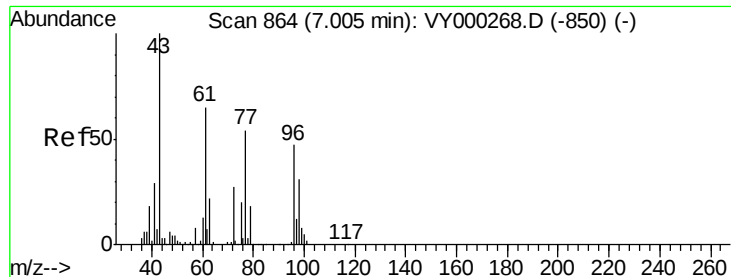
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 4.0 2.1 6.2





#25

2-Butanone

Concen: 92.583 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Instrument :

MSVOA\_Y

ClientSampleId :

VY1016SBS01

Tot Ion: 43 Resp: 137539

Ion Ratio Lower Upper

43 100

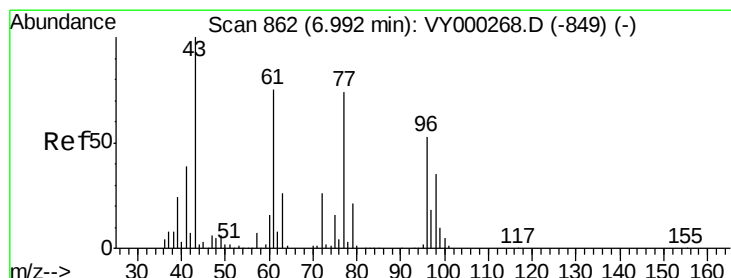
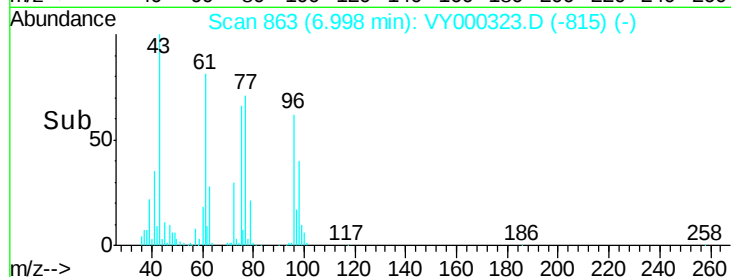
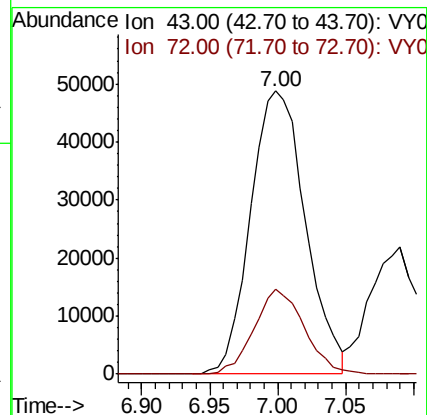
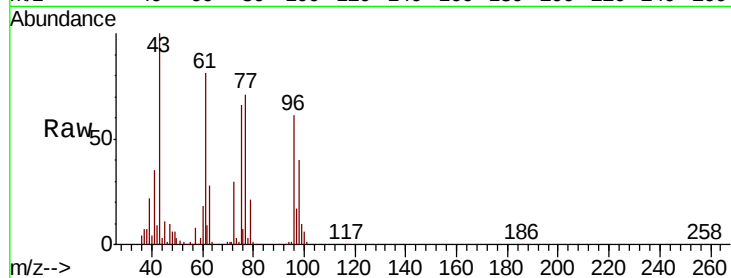
72 30.0 21.4 32.2

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:50:35 AM



#26

2,2-Dichloropropane

Concen: 20.675 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000323.D

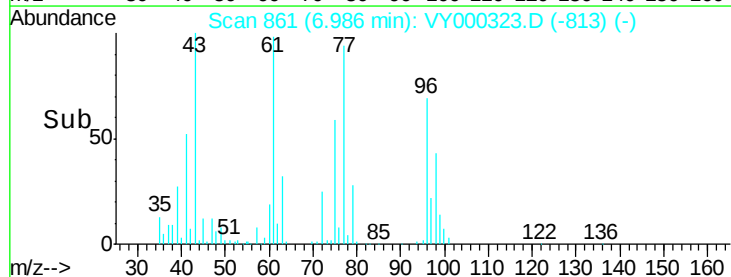
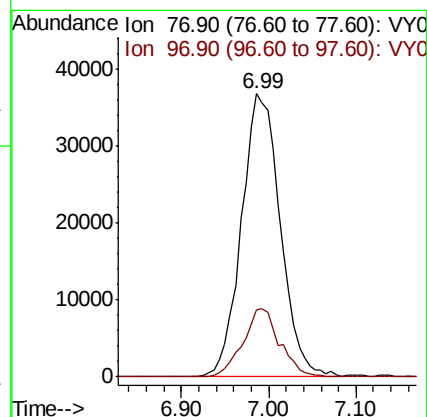
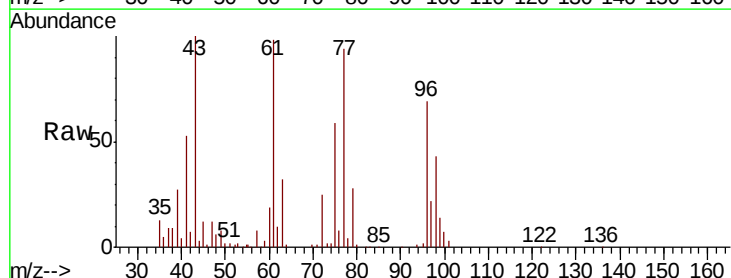
Acq: 16 Oct 2019 12:41

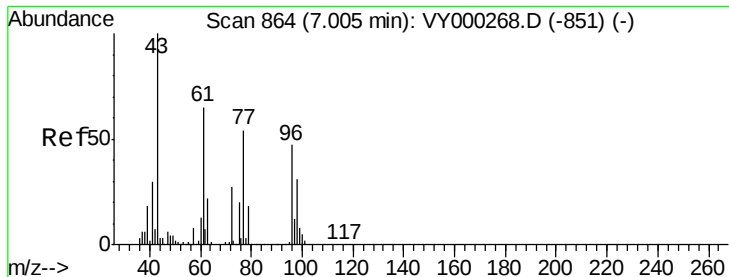
Tgt Ion: 77 Resp: 113642

Ion Ratio Lower Upper

77 100

97 22.7 11.6 34.7





#27

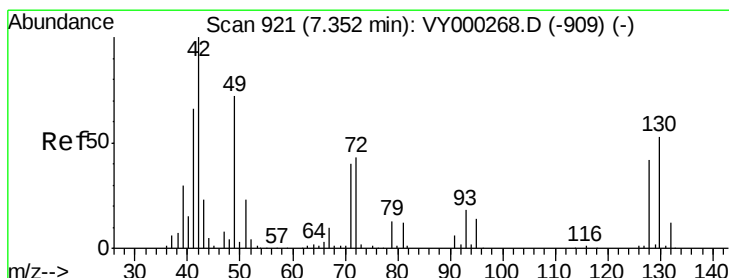
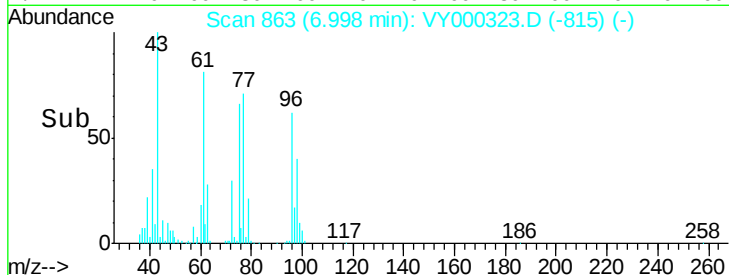
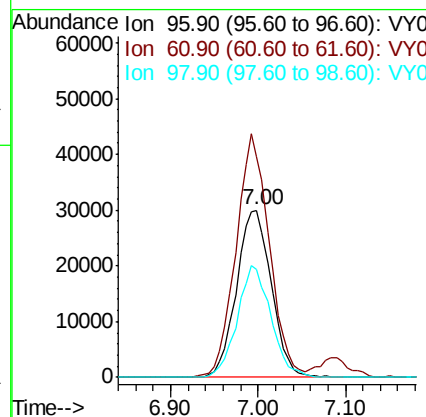
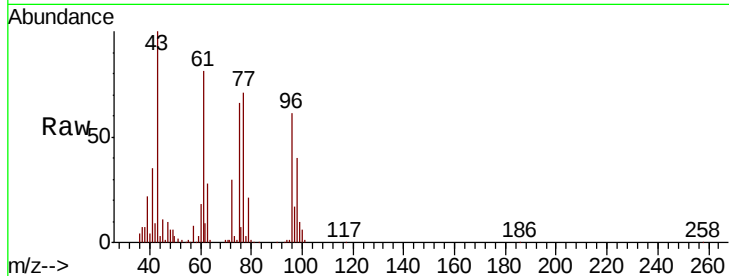
cis-1,2-Dichloroethene  
Concen: 21.421 ug/l  
RT: 7.00 min Scan# 863  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1016SBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 139.1 | 0.0  | 289.8 |       |
| 98      | 64.6  | 0.0  | 131.8 |       |

Manual Integrations  
APPROVED

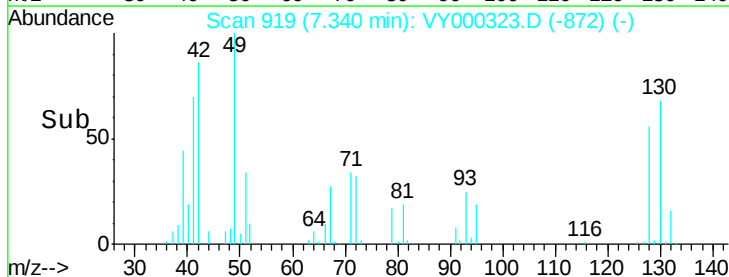
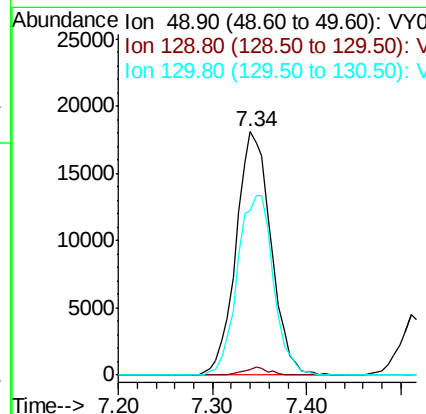
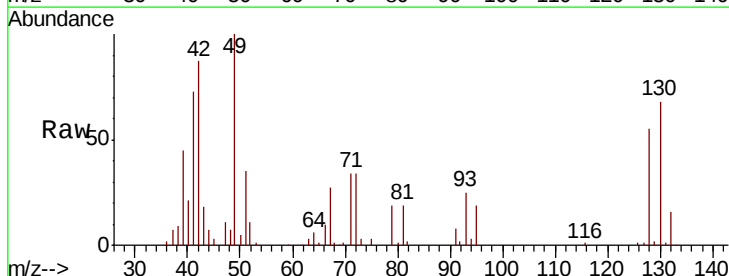
MMDadoda  
10/18/2019 12:50:35 AM

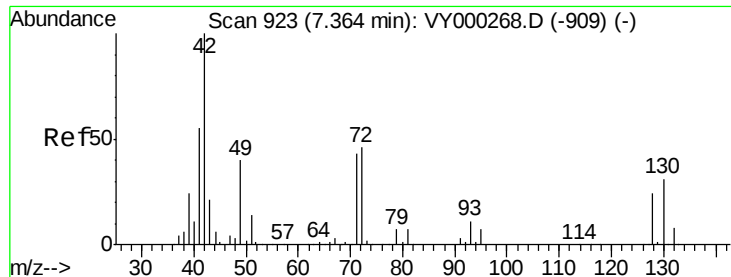


#28

Bromochloromethane  
Concen: 18.208 ug/l  
RT: 7.34 min Scan# 919  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 2.3   | 0.0  | 4.0   |       |
| 130     | 76.1  | 58.2 | 87.2  |       |





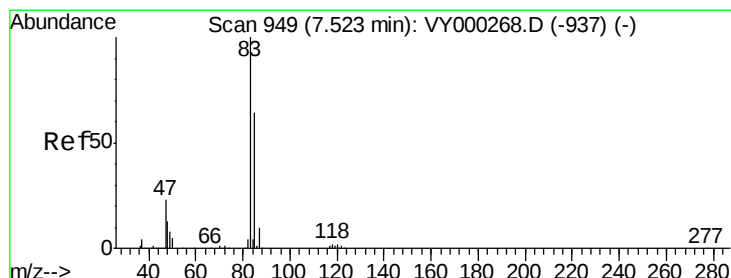
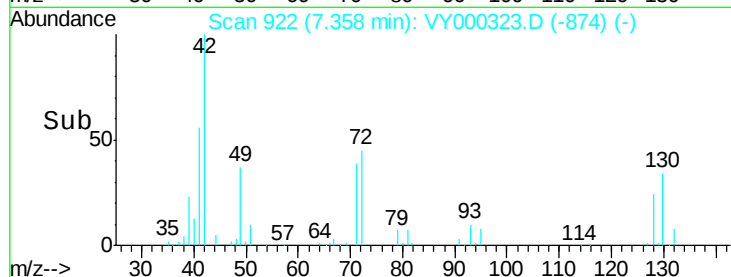
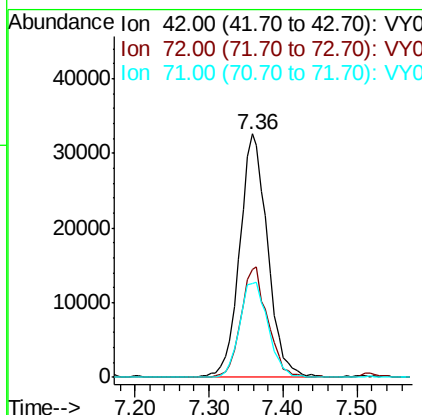
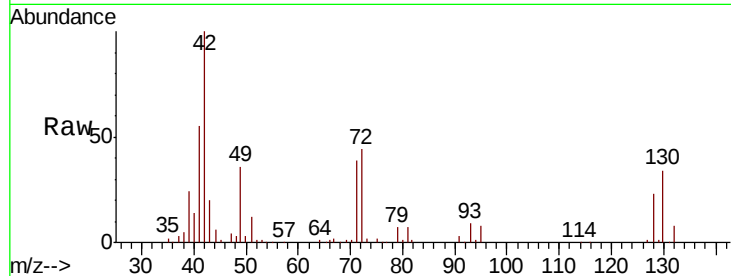
#29  
Tetrahydrofuran  
Concen: 95.237 ug/l  
RT: 7.36 min Scan# 922  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1016SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.5  | 34.5  | 51.7  |
| 71      | 39.8  | 32.7  | 49.1  |

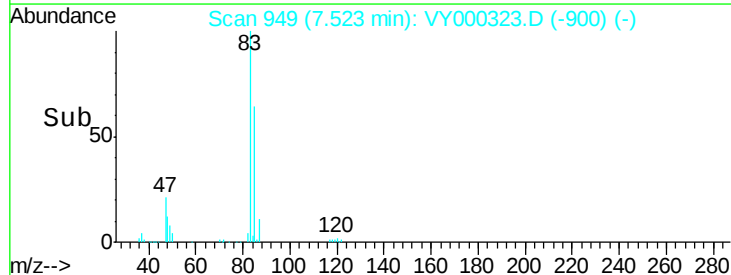
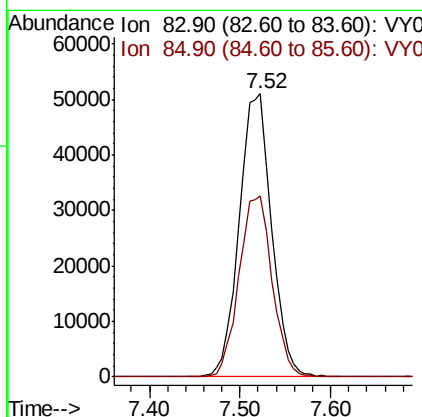
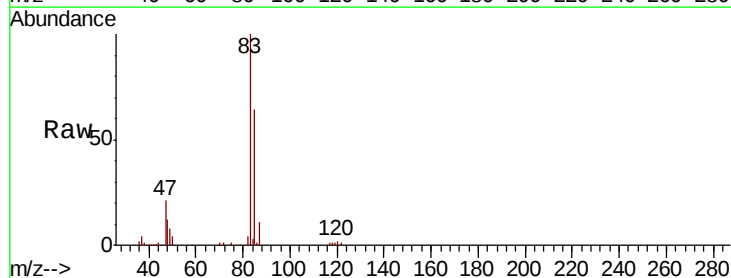
Manual Integrations  
APPROVED

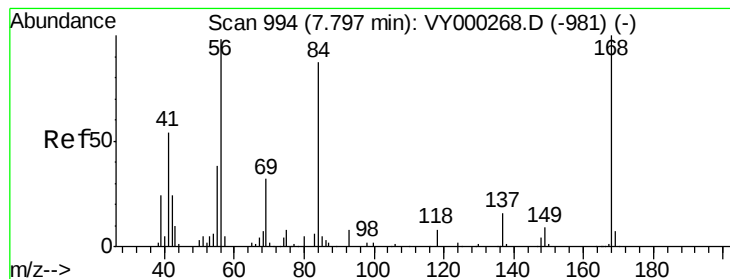
MMDadoda  
10/18/2019 12:50:35 AM



#30  
Chloroform  
Concen: 20.987 ug/l  
RT: 7.52 min Scan# 949  
Delta R.T. -0.00 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.0  | 51.4  | 77.2  |





#31

Cyclohexane

Concen: 20.502 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Instrument :

MSVOA\_Y

ClientSampleId :

VY1016SBS01

Tot Ion: 56 Resp: 127736

Ion Ratio Lower Upper

56 100

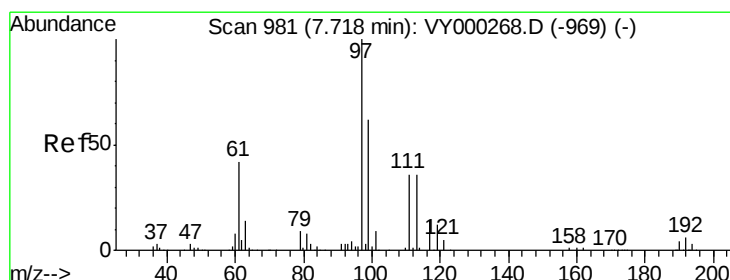
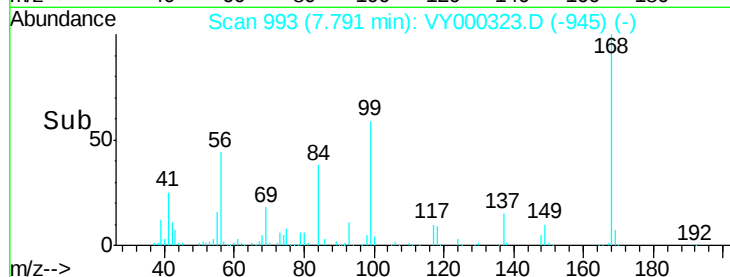
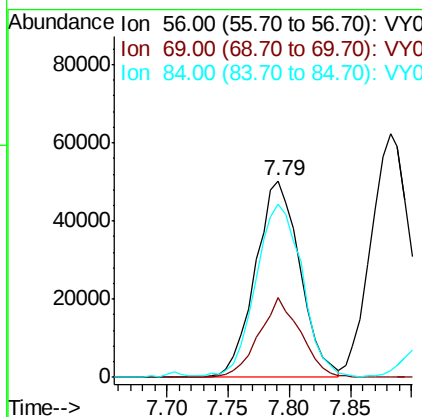
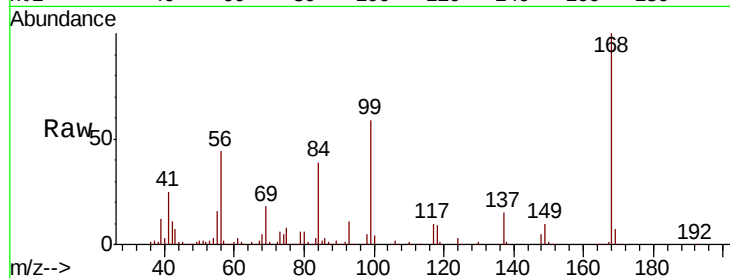
69 40.9 26.3 39.5#

84 87.5 70.8 106.2

Manual Integrations  
APPROVED

MMDadoda

10/18/2019 12:50:35 AM



#32

1,1,1-Trichloroethane

Concen: 20.619 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

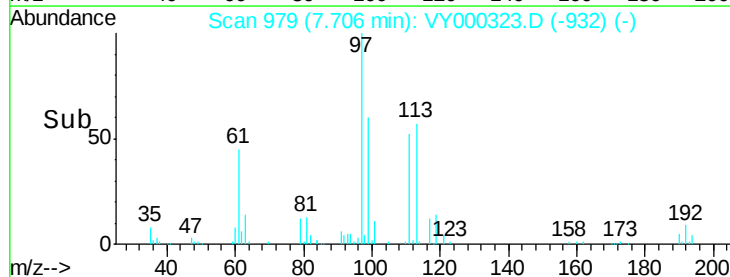
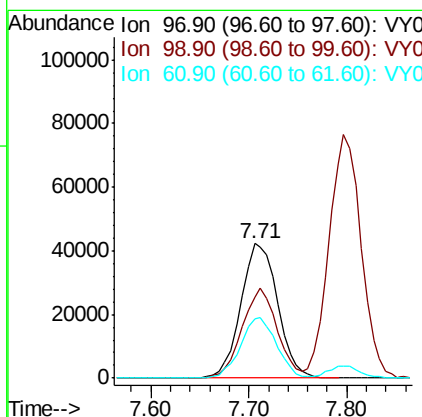
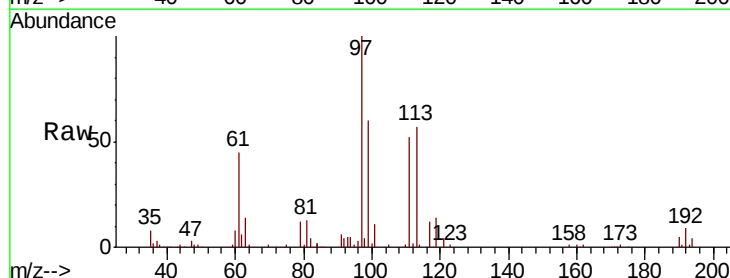
Tgt Ion: 97 Resp: 110123

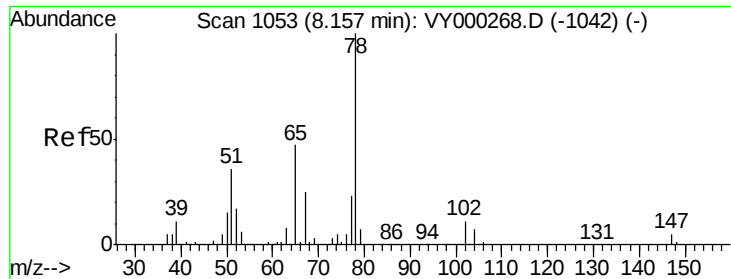
Ion Ratio Lower Upper

97 100

99 63.7 51.7 77.5

61 44.0 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 52.561 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Tot Ion: 65 Resp: 171163

Ion Ratio Lower Upper

65 100

67 52.3 0.0 109.4

Instrument :

MSVOA\_Y

ClientSampleId :

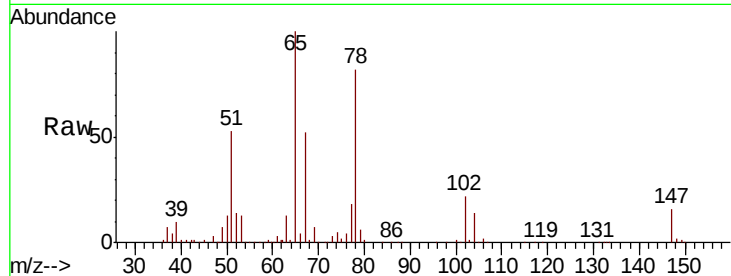
VY1016SBS01

Manual Integrations

APPROVED

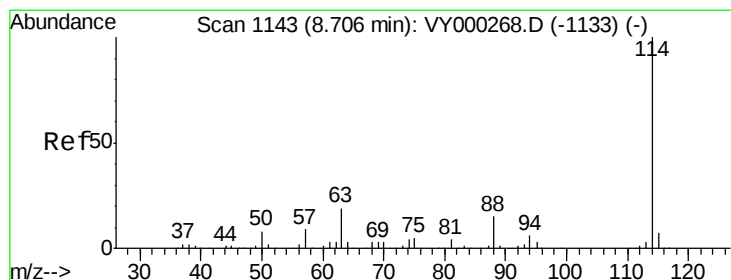
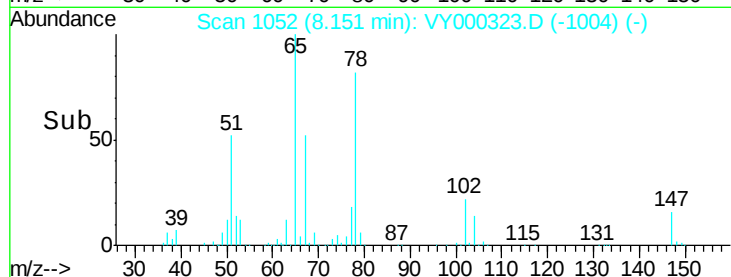
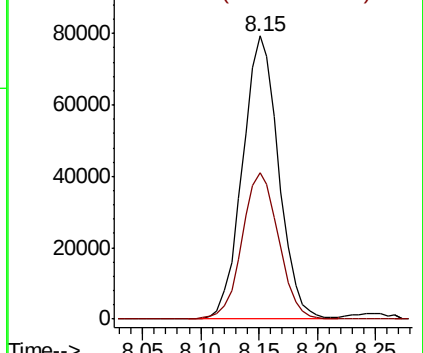
MMDadoda

10/18/2019 12:50:35 AM



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

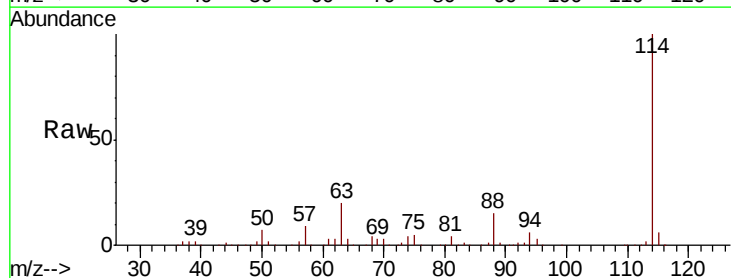
Tgt Ion: 114 Resp: 525921

Ion Ratio Lower Upper

114 100

63 20.3 0.0 37.2

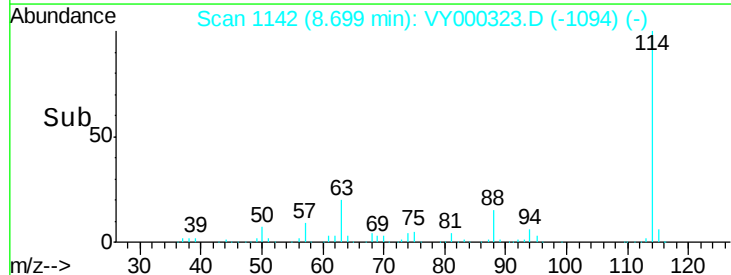
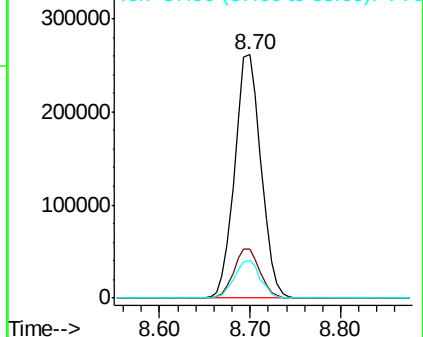
88 15.3 0.0 30.2

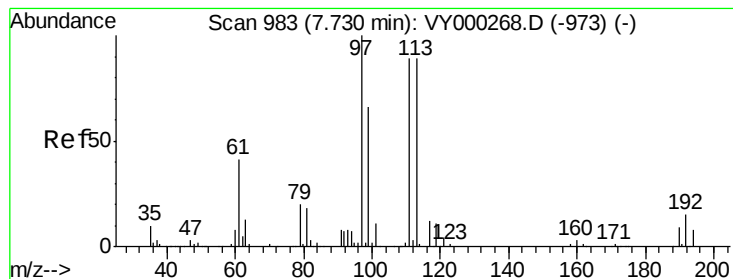


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 48.680 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Instrument :

MSVOA\_Y

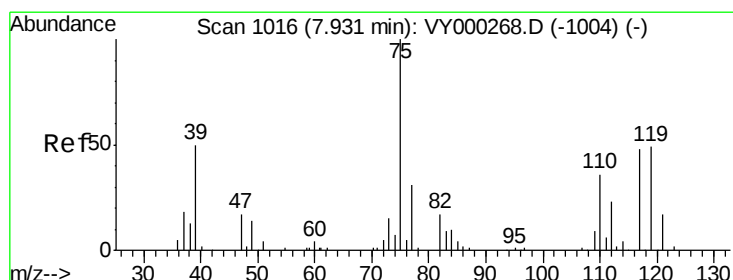
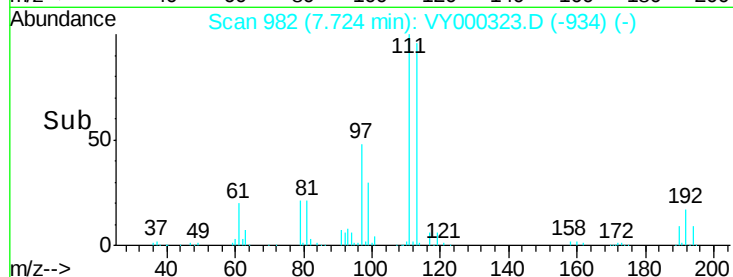
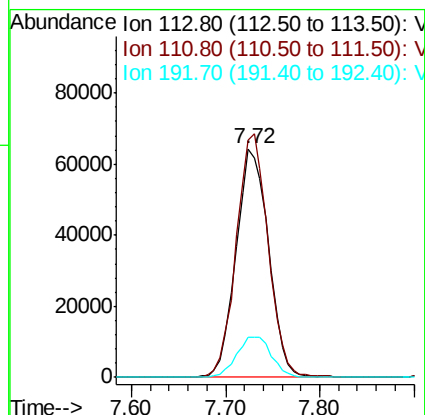
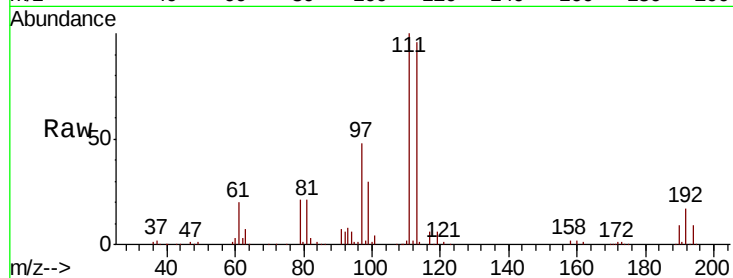
ClientSampleId :

VY1016SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.0 | 81.6  | 122.4 |
| 192     | 18.9  | 15.3  | 22.9  |

Manual Integrations  
APPROVED

MMDadoda  
10/18/2019 12:50:35 AM



#36

1,1-Dichloropropene

Concen: 19.170 ug/l

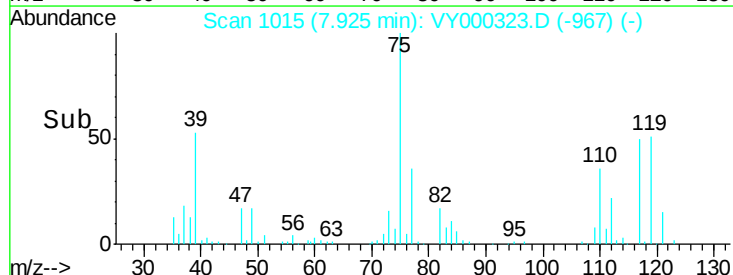
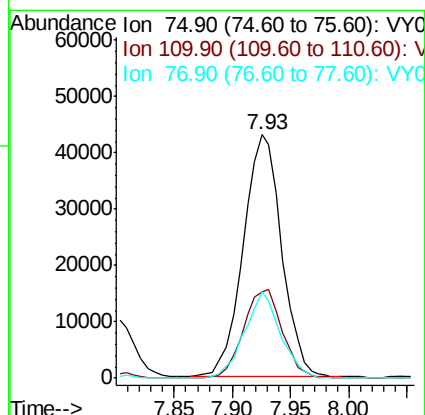
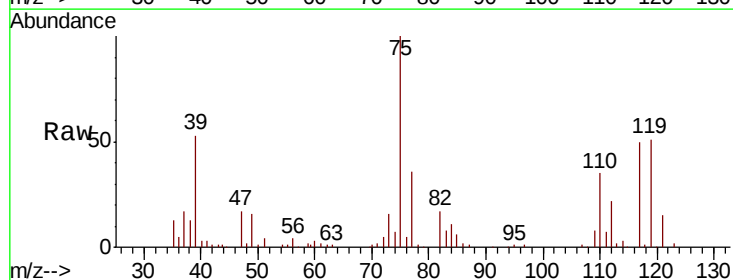
RT: 7.93 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.9  | 18.4  | 55.4  |
| 77      | 33.6  | 25.0  | 37.6  |





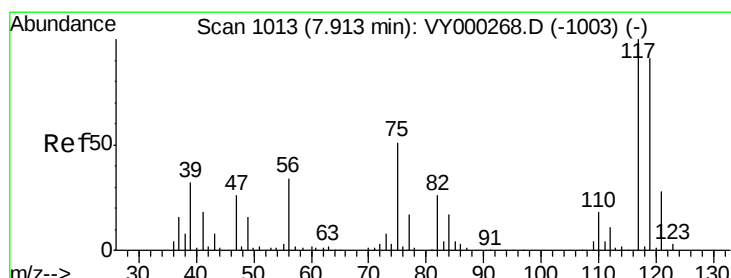
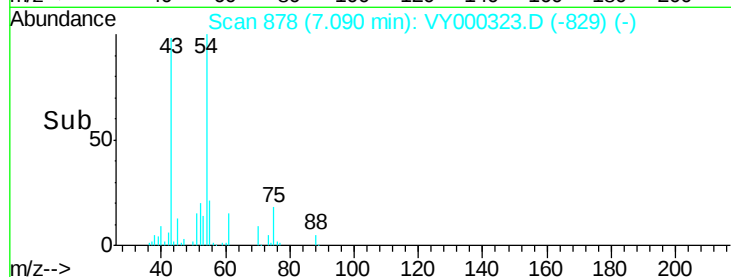
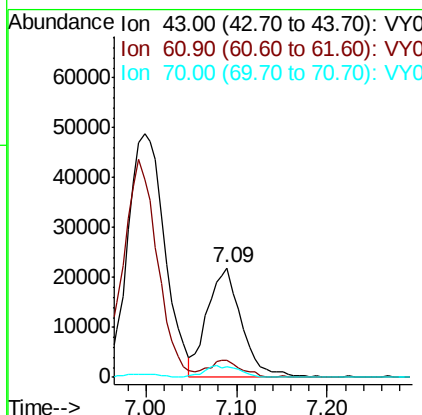
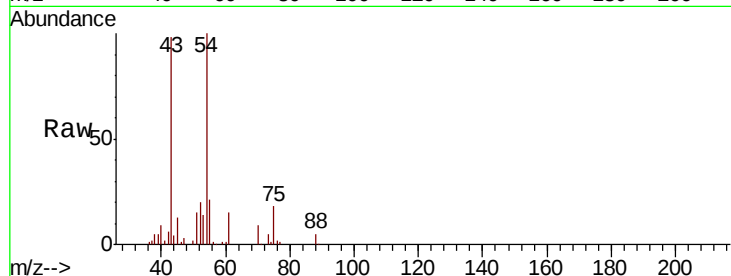
#37  
Ethyl Acetate  
Concen: 19.236 ug/l  
RT: 7.09 min Scan# 878  
Delta R.T. -0.00 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1016SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.4  | 12.1  | 18.1  |
| 70      | 10.4  | 8.7   | 13.1  |

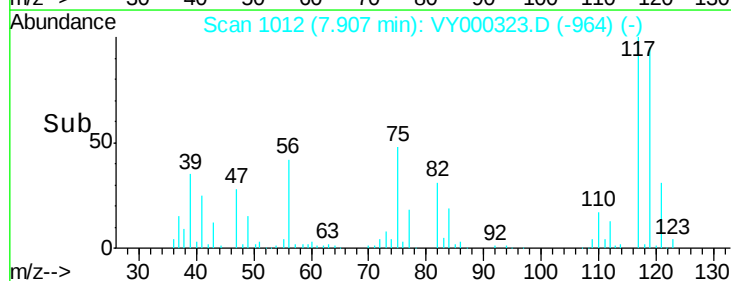
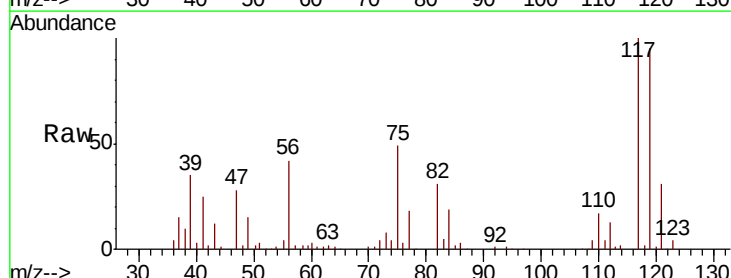
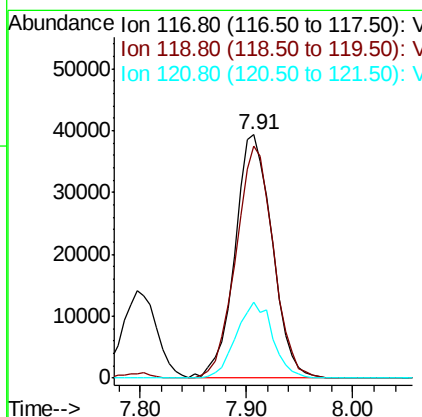
Manual Integrations  
APPROVED

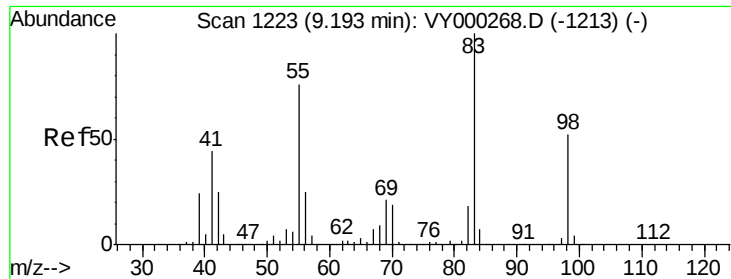
MMDadoda  
10/18/2019 12:50:35 AM



#38  
Carbon Tetrachloride  
Concen: 19.369 ug/l  
RT: 7.91 min Scan# 1012  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.3  | 72.8  | 109.2 |
| 121     | 31.1  | 22.2  | 33.2  |





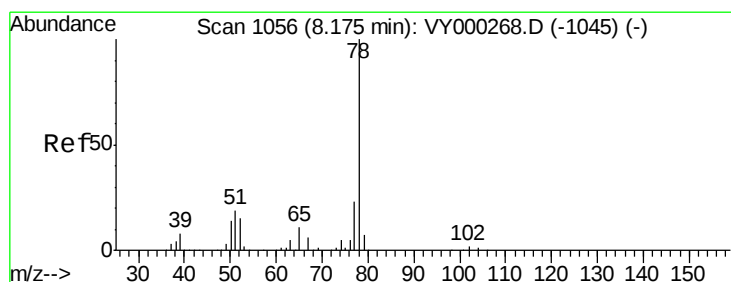
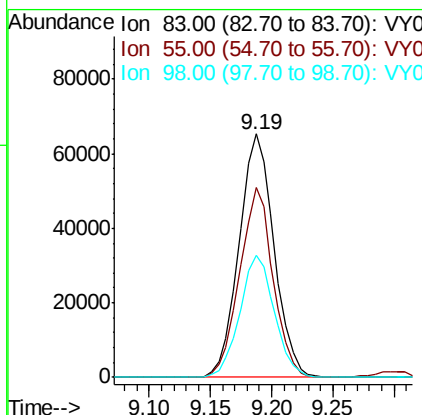
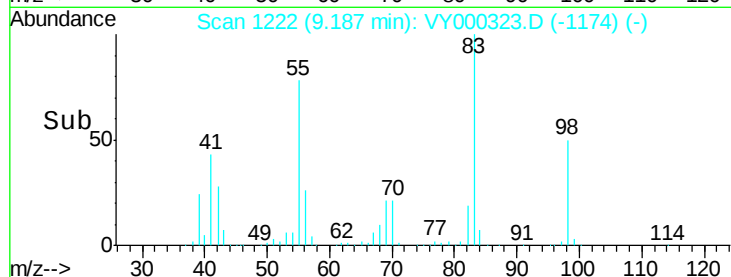
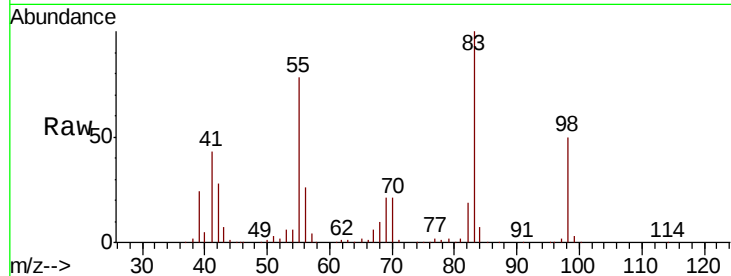
#39  
Methvlcvclohexane  
Concen: 19.169 ug/l  
RT: 9.19 min Scan# 1222  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1016SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 78.1  | 60.9  | 91.3  |
| 98      | 50.3  | 41.8  | 62.6  |

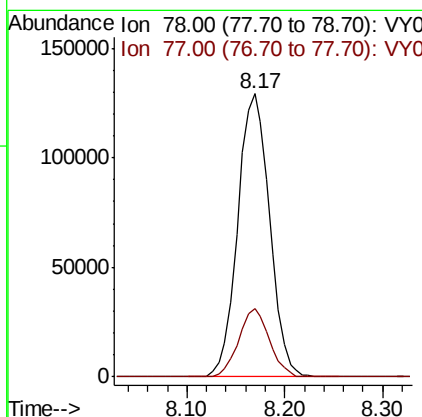
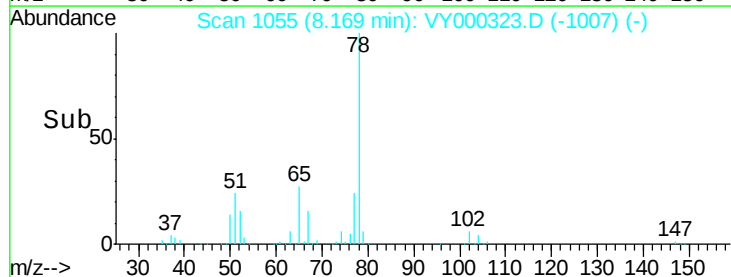
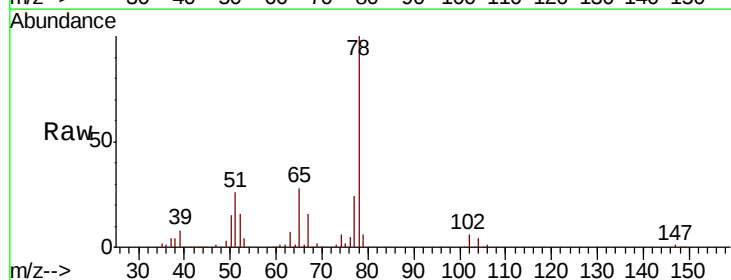
Manual Integrations  
APPROVED

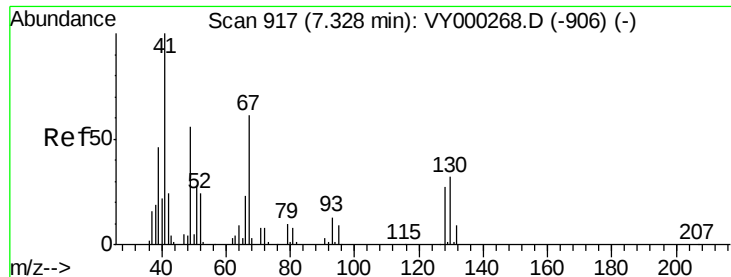
MMDadoda  
10/18/2019 12:50:35 AM



#40  
Benzene  
Concen: 19.585 ug/l  
RT: 8.17 min Scan# 1055  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.4  | 18.8  | 28.2  |





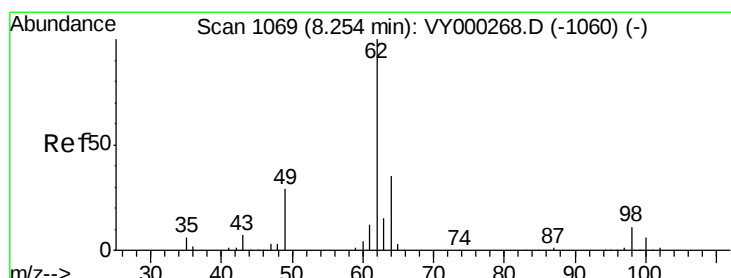
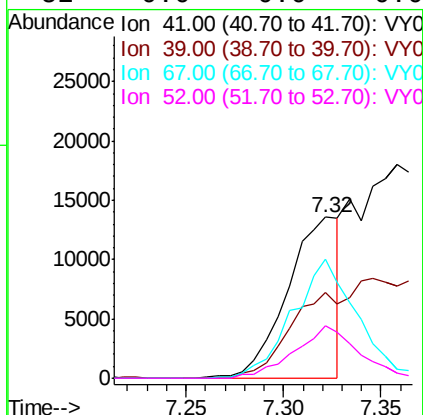
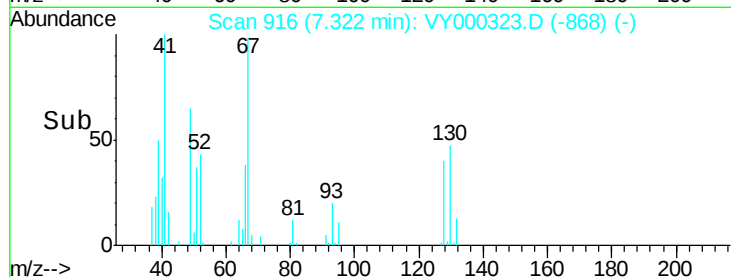
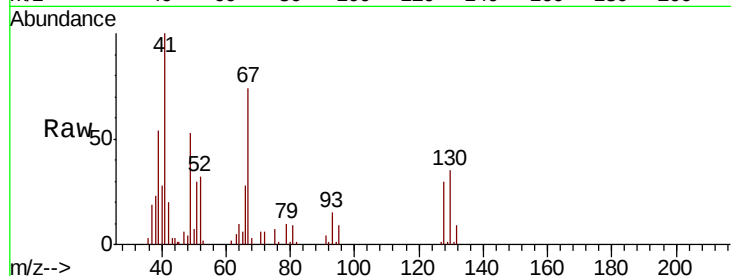
#41  
Methacrylonitrile  
Concen: 17.613 ug/l m  
RT: 7.32 min Scan# 916  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1016SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 146.2 | 110.2 | 165.2 |
| 67      | 0.0   | 0.0   | 0.0   |
| 52      | 0.0   | 0.0   | 0.0   |

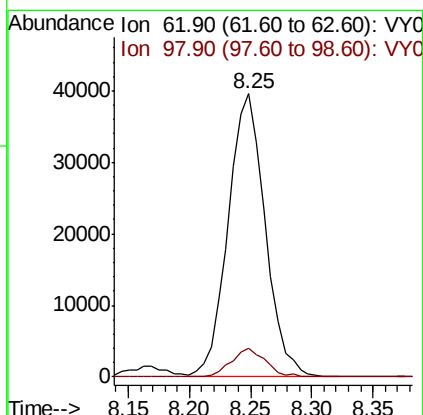
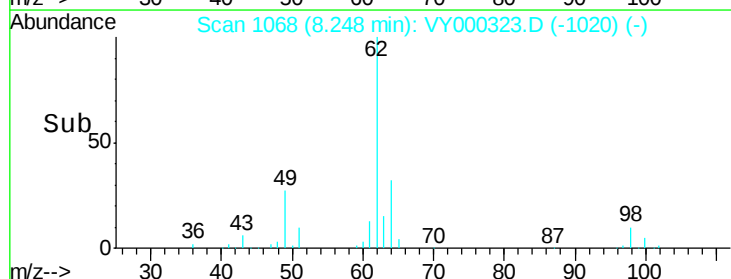
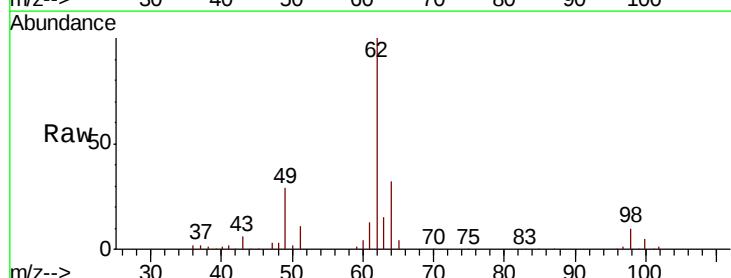
Manual Integrations  
APPROVED

MMDadoda  
10/18/2019 12:50:35 AM



#42  
1,2-Dichloroethane  
Concen: 19.509 ug/l  
RT: 8.25 min Scan# 1068  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.4   | 0.0   | 20.6  |





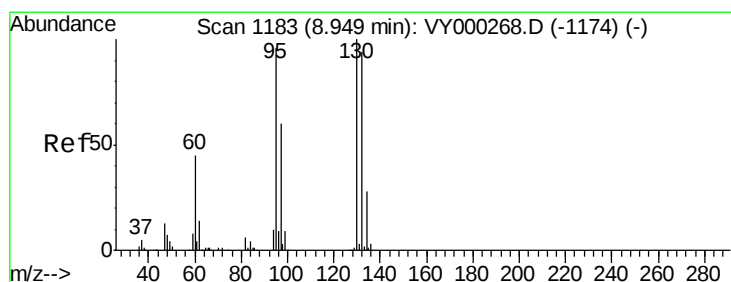
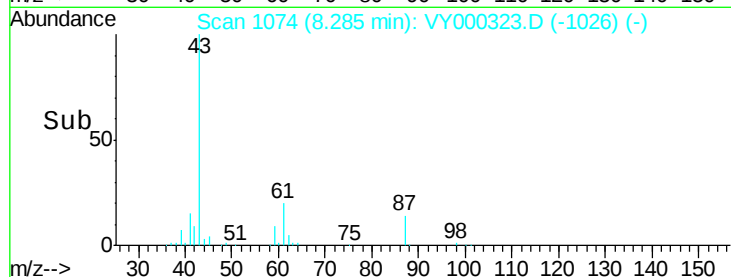
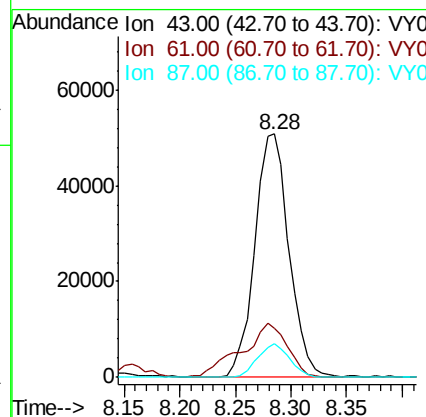
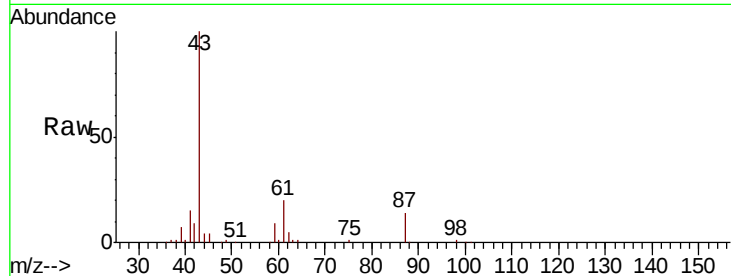
#43  
Isopropyl Acetate  
Concen: 18.777 ug/l  
RT: 8.28 min Scan# 1074  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1016SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 29.8  | 22.3  | 33.5  |
| 87      | 13.0  | 10.9  | 16.3  |

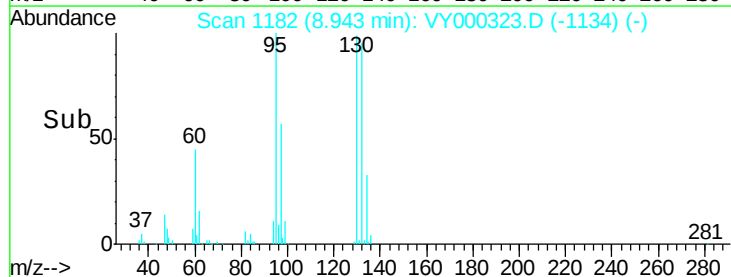
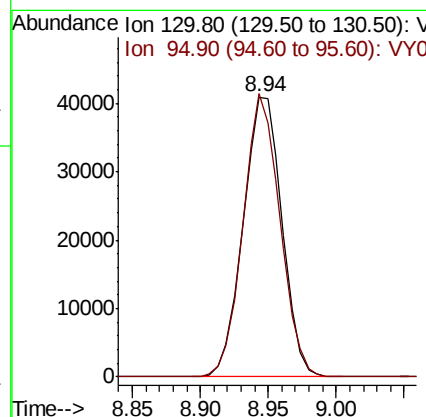
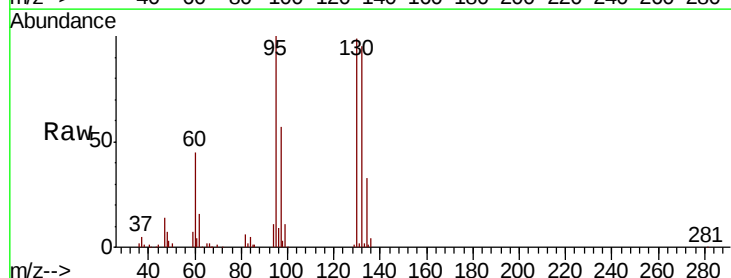
Manual Integrations  
APPROVED

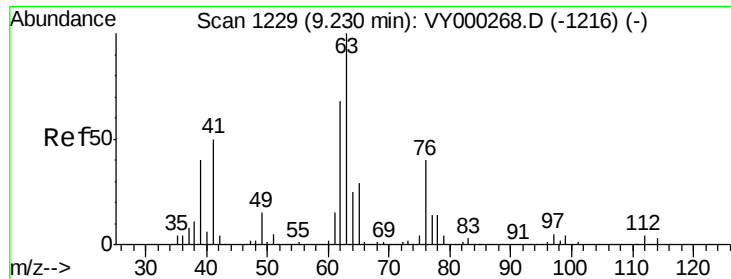
MMDadoda  
10/18/2019 12:50:35 AM



#44  
Trichloroethene  
Concen: 19.503 ug/l  
RT: 8.94 min Scan# 1182  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 101.1 | 0.0   | 191.4 |





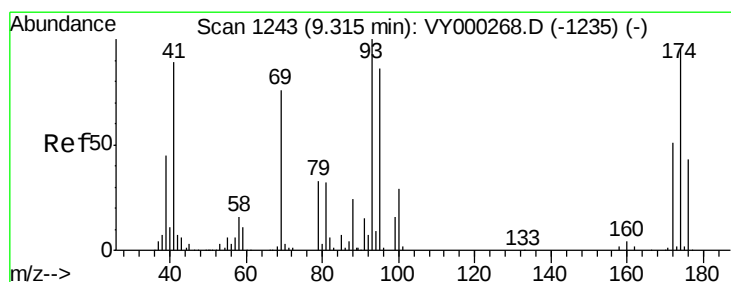
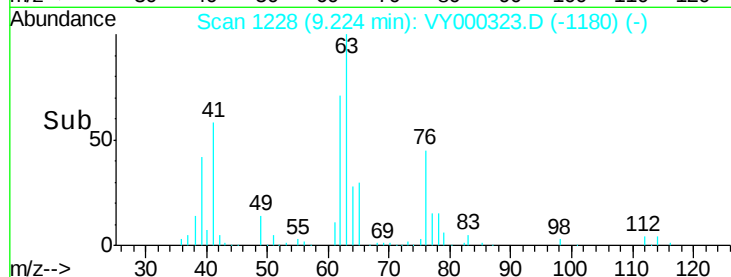
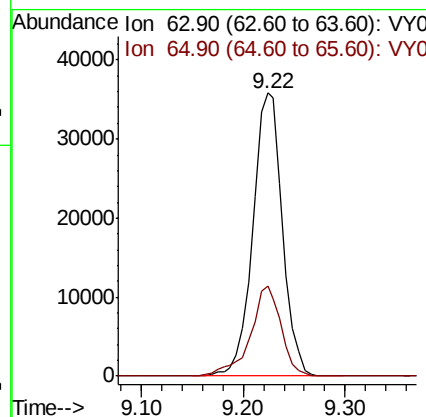
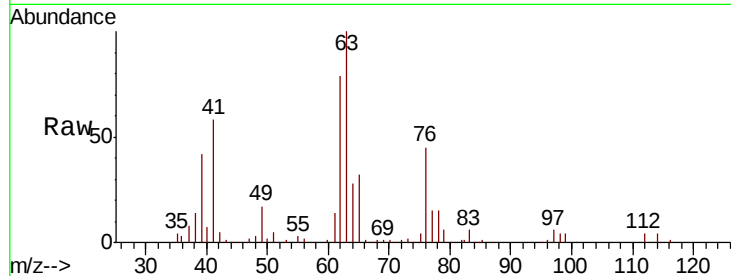
#45  
 1,2-Dichloropropane  
 Concen: 19.792 ug/l  
 RT: 9.22 min Scan# 1228  
 Delta R.T. -0.01 min  
 Lab File: VY000323.D  
 Acq: 16 Oct 2019 12:41

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1016SBS01

Tot Ion: 63 Resp: 72273  
 Ion Ratio Lower Upper  
 63 100  
 65 31.8 23.2 34.8

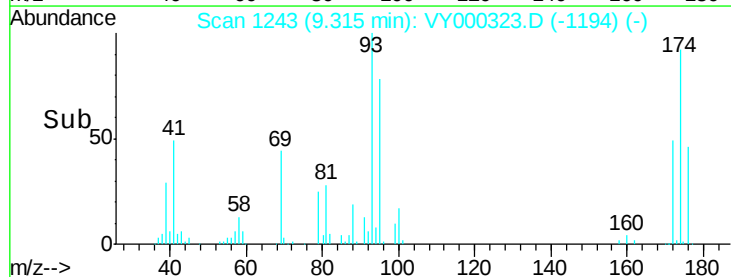
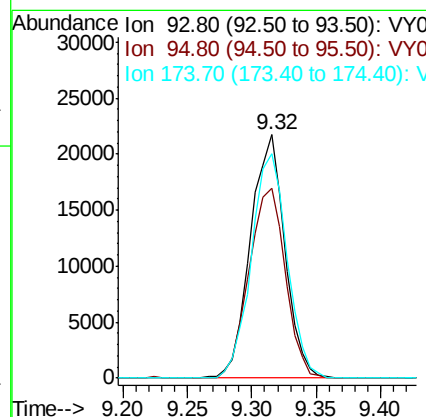
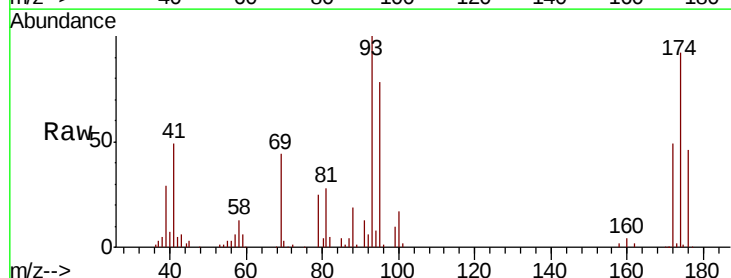
Manual Integrations  
 APPROVED

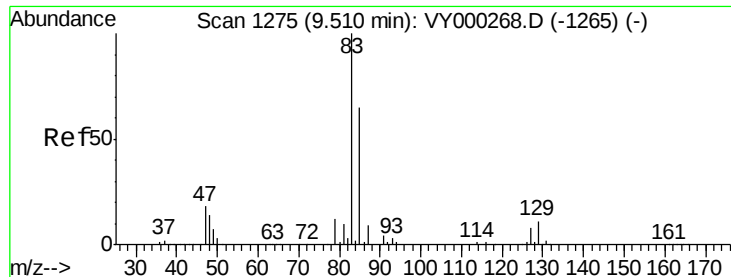
MMDadoda  
 10/18/2019 12:50:35 AM



#46  
 Dibromomethane  
 Concen: 19.630 ug/l  
 RT: 9.32 min Scan# 1243  
 Delta R.T. -0.00 min  
 Lab File: VY000323.D  
 Acq: 16 Oct 2019 12:41

Tgt Ion: 93 Resp: 40071  
 Ion Ratio Lower Upper  
 93 100  
 95 82.5 68.2 102.2  
 174 95.5 79.8 119.6





#47

Bromodichloromethane

Concen: 19.521 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Instrument :

MSVOA\_Y

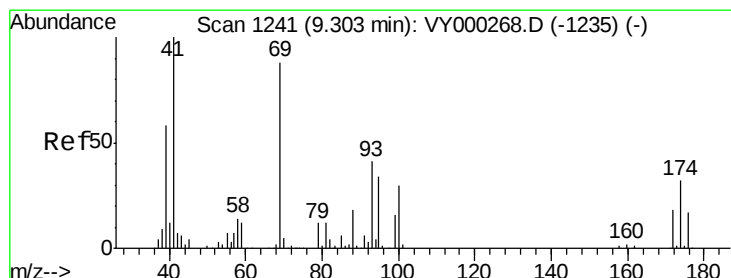
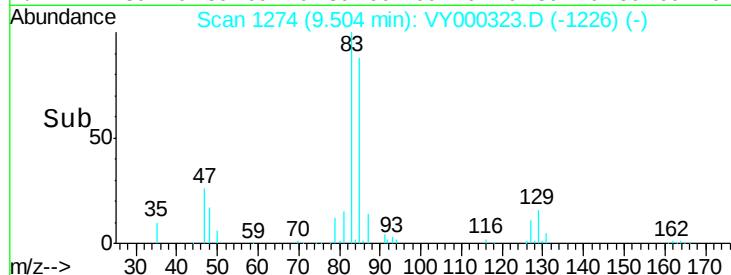
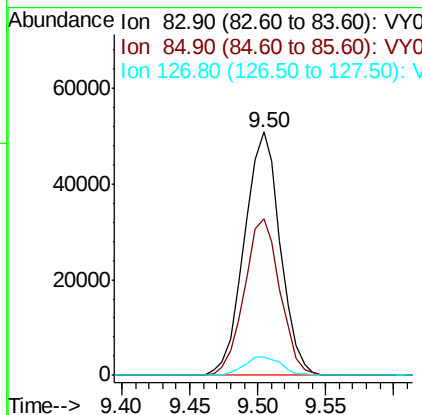
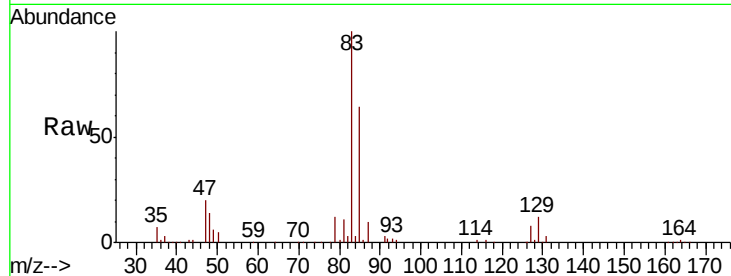
ClientSampleId :

VY1016SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 93912 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.2  | 52.2  | 78.2  |
| 127      | 7.7   | 6.3   | 9.5   |

Manual Integrations  
APPROVED

MMDadoda  
10/18/2019 12:50:35 AM



#48

Methyl methacrylate

Concen: 18.929 ug/l

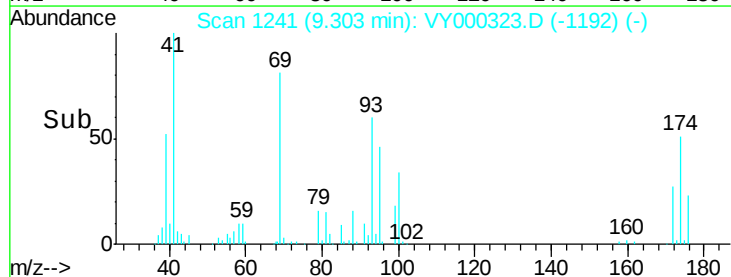
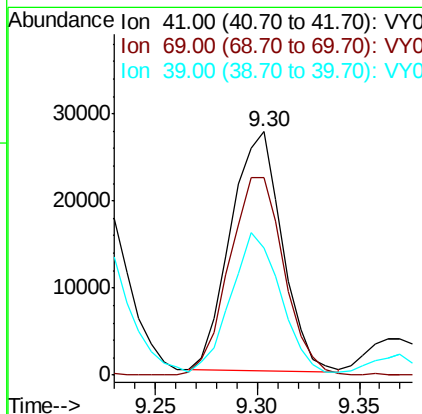
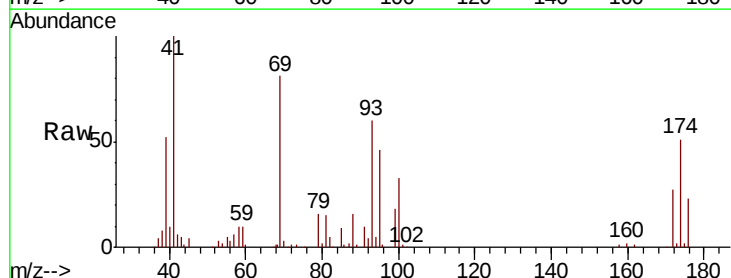
RT: 9.30 min Scan# 1241

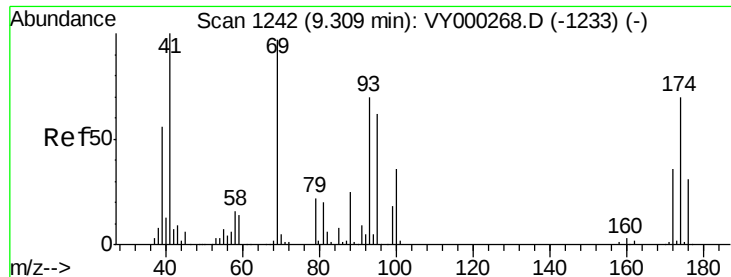
Delta R.T. -0.00 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 48091 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 88.0  | 70.0  | 105.0 |
| 39       | 58.7  | 47.7  | 71.5  |





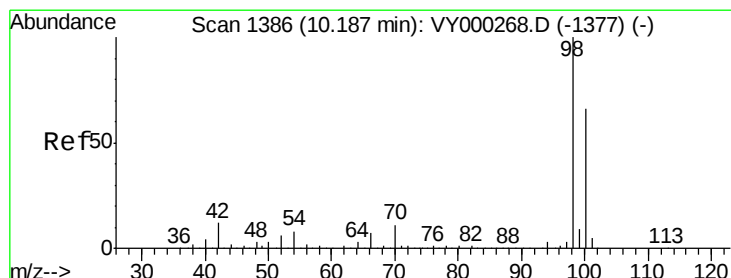
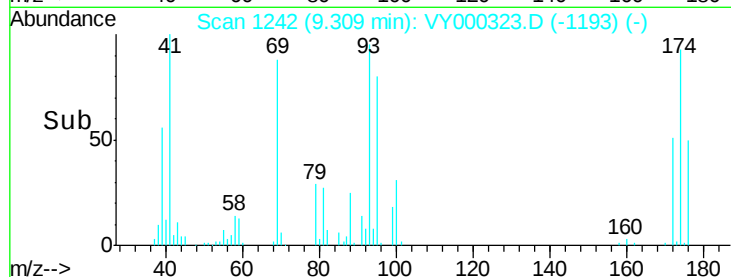
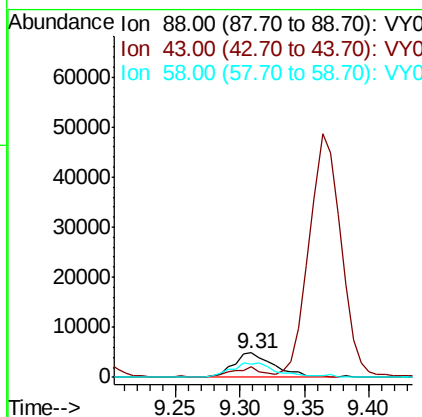
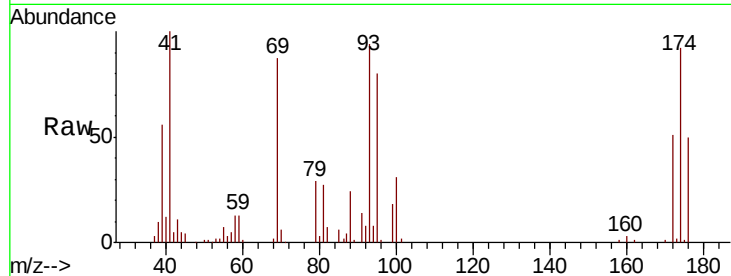
#49  
1,4-Dioxane  
Concen: 351.677 ug/l  
RT: 9.31 min Scan# 1242  
Delta R.T. -0.00 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1016SBS01

| Tot Ion   | 88   | Resp  | 10764 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 88        | 100  |       |       |
| 43        | 28.9 | 25.6  | 38.4  |
| 58        | 64.2 | 54.6  | 81.8  |

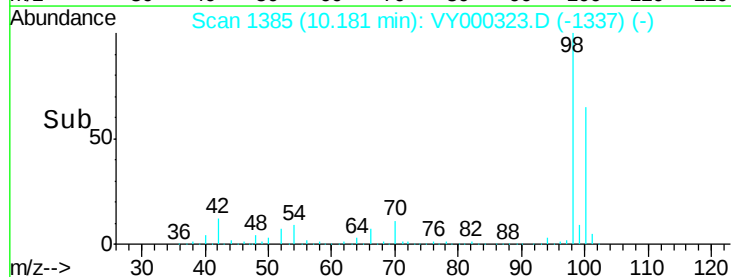
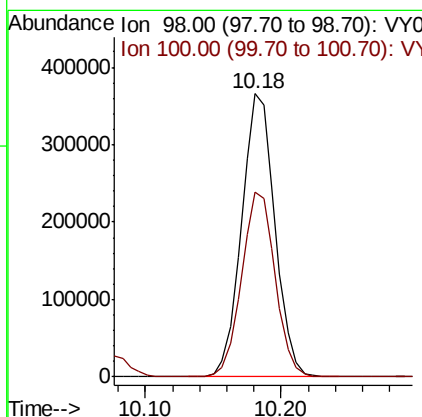
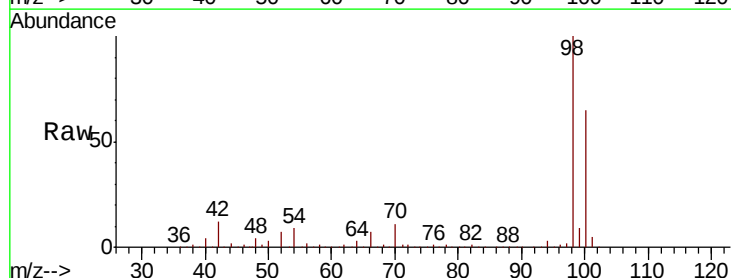
Manual Integrations  
APPROVED

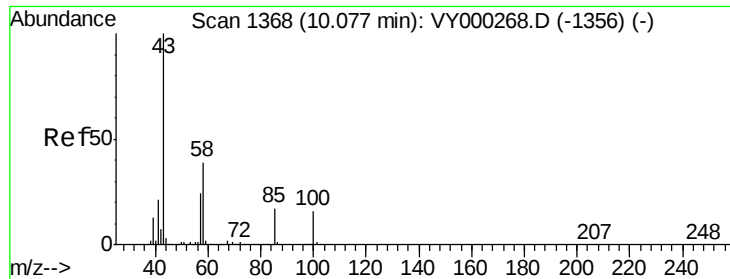
MMDadoda  
10/18/2019 12:50:35 AM



#50  
Toluene-d8  
Concen: 51.063 ug/l  
RT: 10.18 min Scan# 1385  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

| Tgt Ion   | 98   | Resp  | 623146 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 98        | 100  |       |        |
| 100       | 65.7 | 52.8  | 79.2   |





#51

4-Methyl-2-Pentanone

Concen: 94.524 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Instrument :

MSVOA\_Y

ClientSampleId :

VY1016SBS01

Tot Ion: 43 Resp: 282630

Ion Ratio Lower Upper

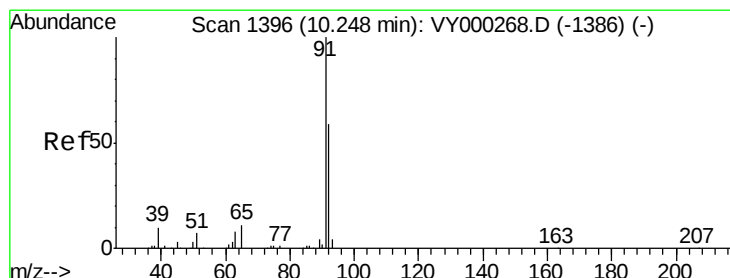
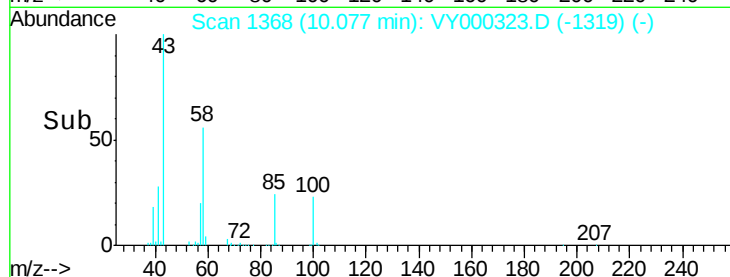
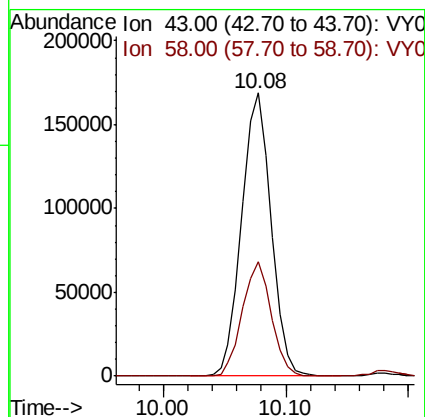
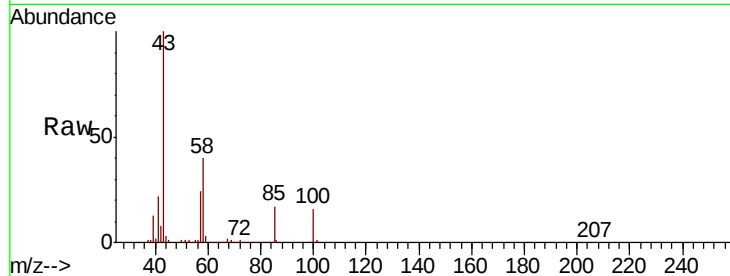
43 100

58 39.6 31.0 46.6

Manual Integrations  
APPROVED

MMDadoda

10/18/2019 12:50:35 AM



#52

Toluene

Concen: 20.023 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000323.D

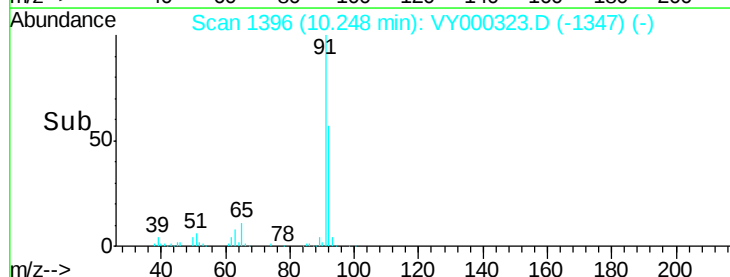
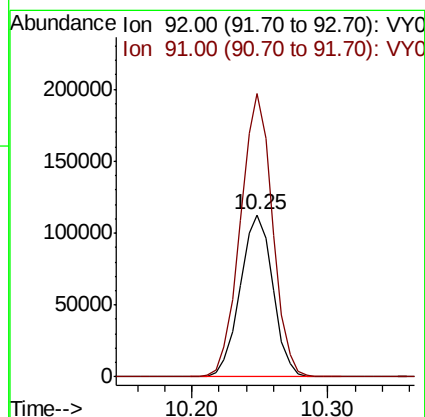
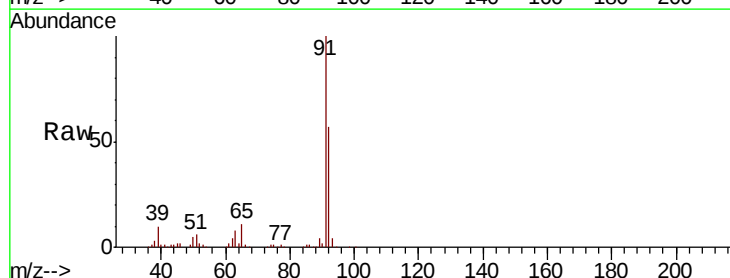
Acq: 16 Oct 2019 12:41

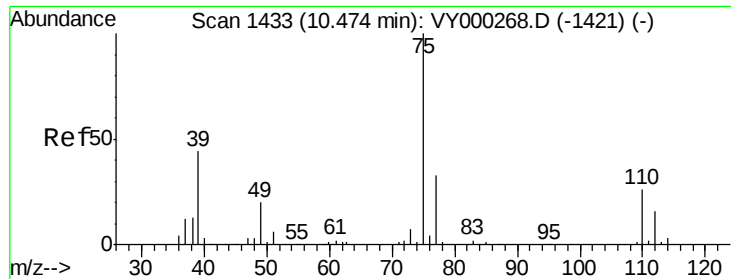
Tgt Ion: 92 Resp: 189166

Ion Ratio Lower Upper

92 100

91 170.9 136.6 205.0





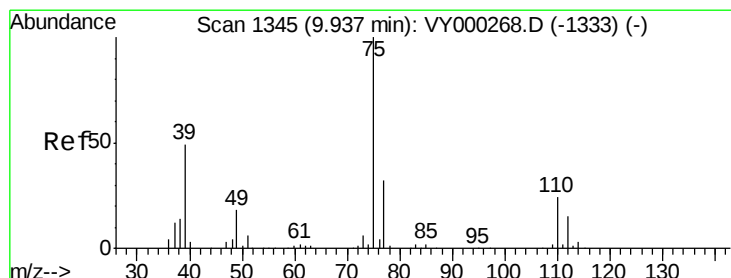
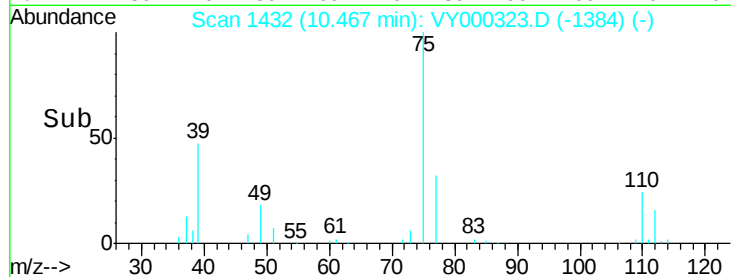
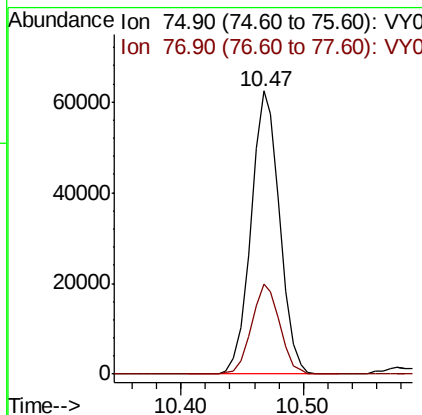
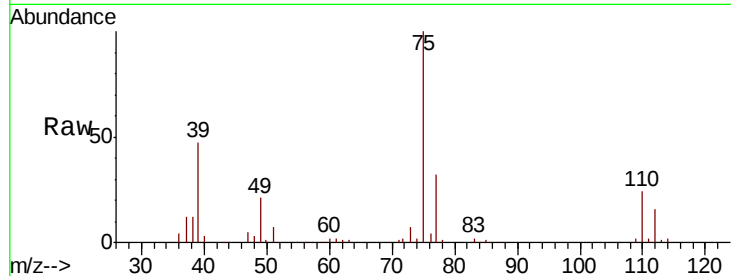
#53  
 t-1,3-Dichloropropene  
 Concen: 19.679 ug/l  
 RT: 10.47 min Scan# 1432  
 Delta R.T. -0.01 min  
 Lab File: VY000323.D  
 Acq: 16 Oct 2019 12:41

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1016SBS01

Tot Ion: 75 Resp: 101460  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 26.0 39.0

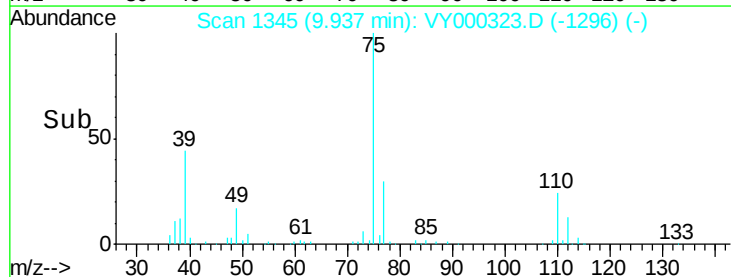
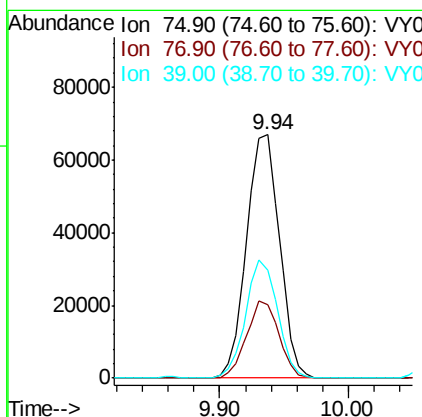
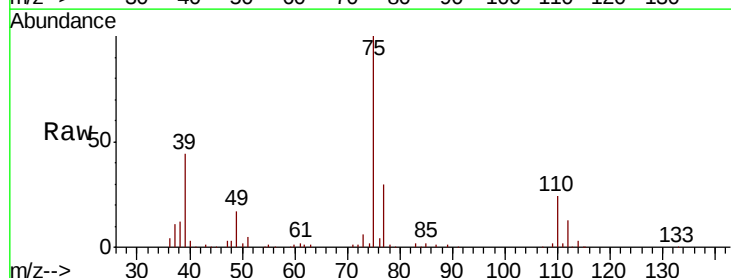
Manual Integrations  
 APPROVED

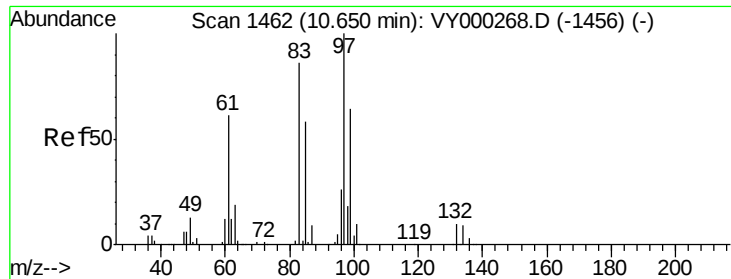
MMDadoda  
 10/18/2019 12:50:35 AM



#54  
 cis-1,3-Dichloropropene  
 Concen: 20.215 ug/l  
 RT: 9.94 min Scan# 1345  
 Delta R.T. -0.00 min  
 Lab File: VY000323.D  
 Acq: 16 Oct 2019 12:41

Tgt Ion: 75 Resp: 118365  
 Ion Ratio Lower Upper  
 75 100  
 77 30.1 26.0 39.0  
 39 44.1 38.8 58.2





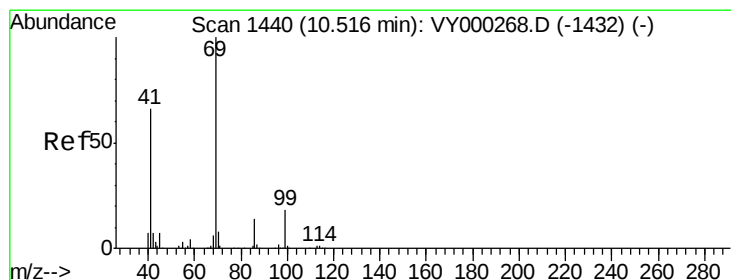
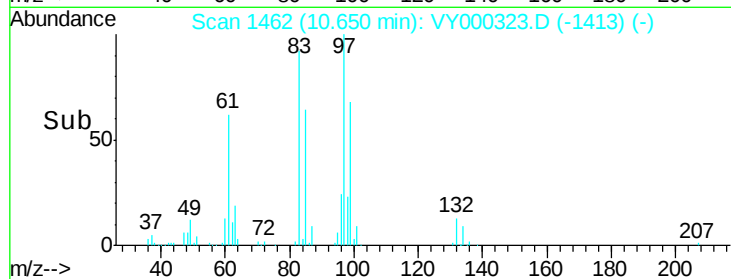
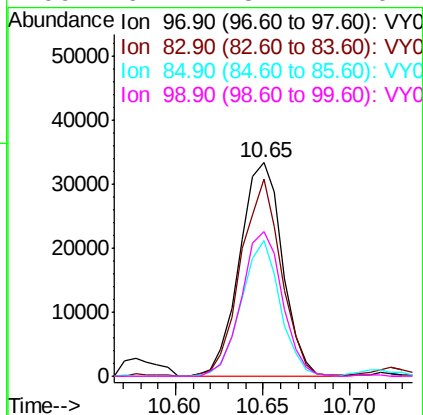
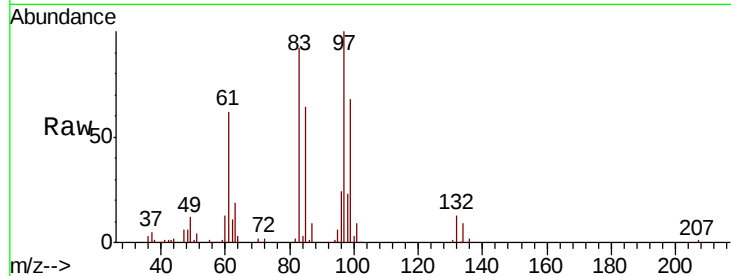
#55  
 1,1,2-Trichloroethane  
 Concen: 19.013 ug/l  
 RT: 10.65 min Scan# 1462  
 Delta R.T. -0.00 min  
 Lab File: VY000323.D  
 Acq: 16 Oct 2019 12:41

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1016SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 56433 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 92.5  | 69.0  | 103.6 |
| 85       | 63.9  | 46.2  | 69.4  |
| 99       | 67.7  | 51.1  | 76.7  |

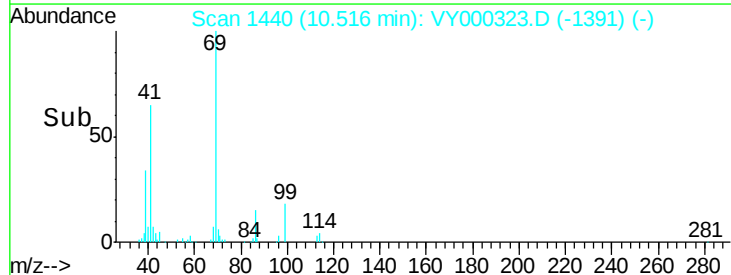
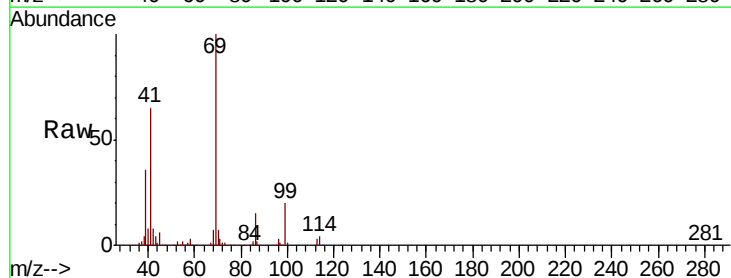
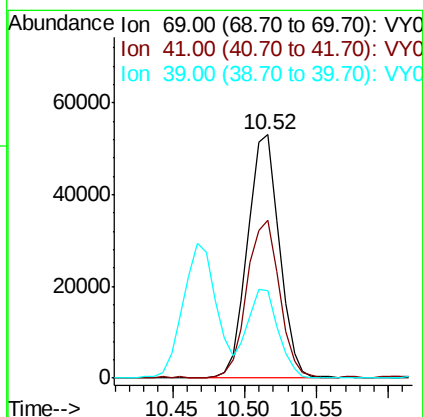
Manual Integrations  
 APPROVED

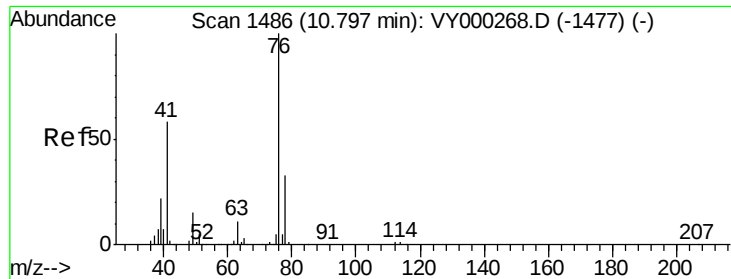
MMDadoda  
 10/18/2019 12:50:35 AM



#56  
 Ethyl methacrylate  
 Concen: 19.160 ug/l  
 RT: 10.52 min Scan# 1440  
 Delta R.T. -0.00 min  
 Lab File: VY000323.D  
 Acq: 16 Oct 2019 12:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 81056 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 66.2  | 52.5  | 78.7  |
| 39       | 35.7  | 26.7  | 40.1  |





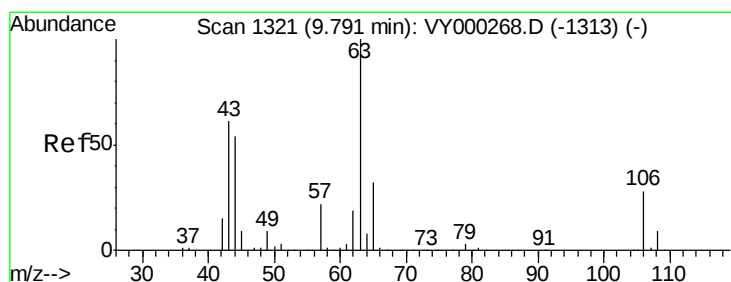
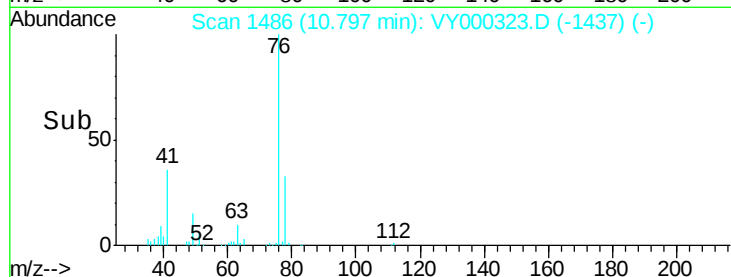
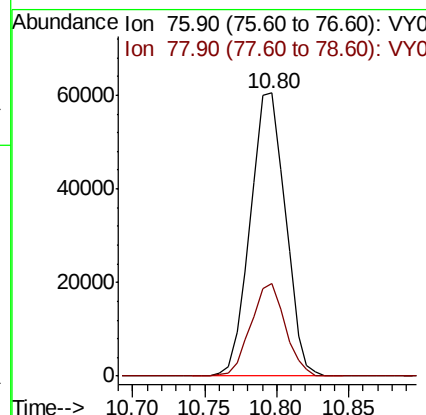
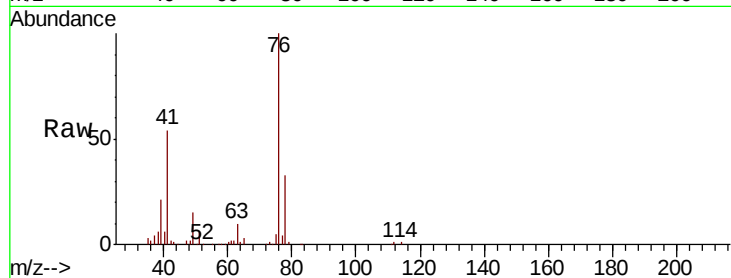
#57  
 1,3-Dichloropropane  
 Concen: 20.040 ug/l  
 RT: 10.80 min Scan# 1486  
 Delta R.T. -0.00 min  
 Lab File: VY000323.D  
 Acq: 16 Oct 2019 12:41

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1016SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.1  | 26.2  | 39.2  |

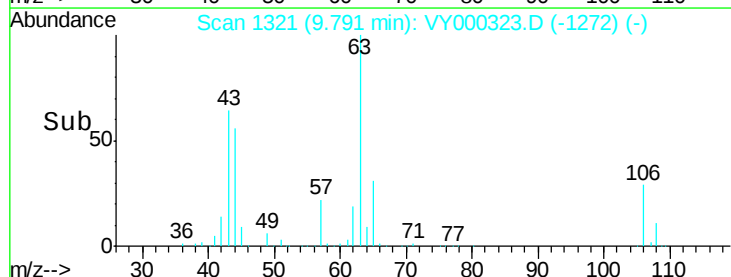
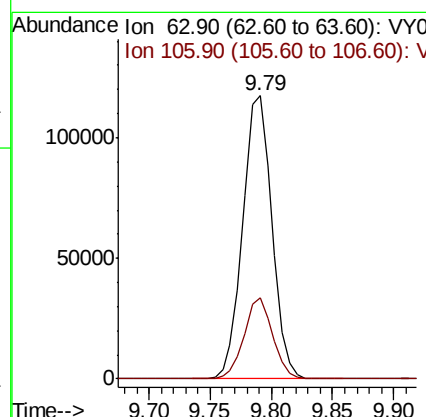
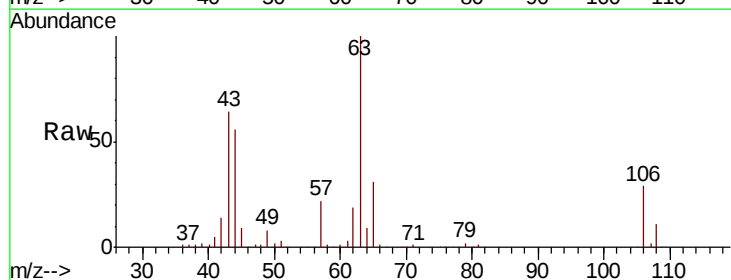
Manual Integrations  
 APPROVED

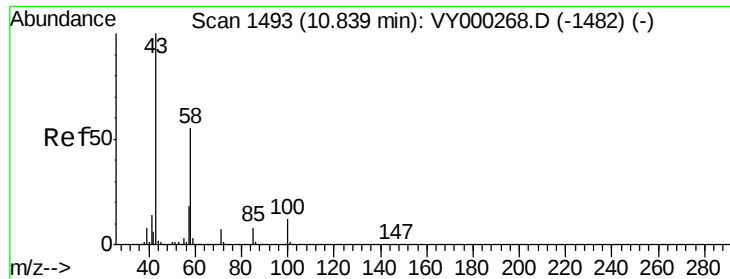
MMDadoda  
 10/18/2019 12:50:35 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 114.975 ug/l  
 RT: 9.79 min Scan# 1321  
 Delta R.T. -0.00 min  
 Lab File: VY000323.D  
 Acq: 16 Oct 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 27.9  | 23.0  | 34.4  |





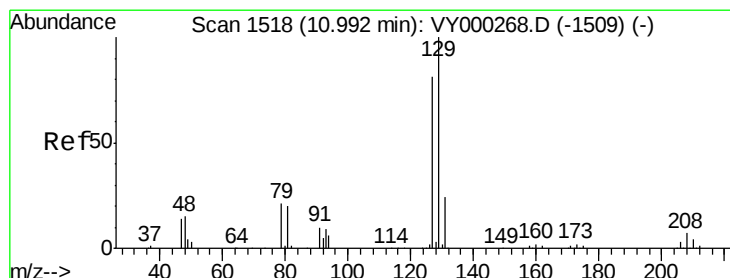
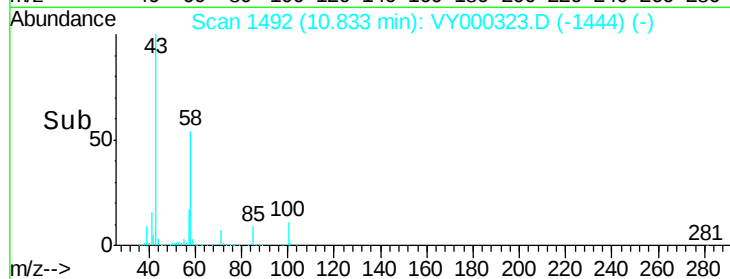
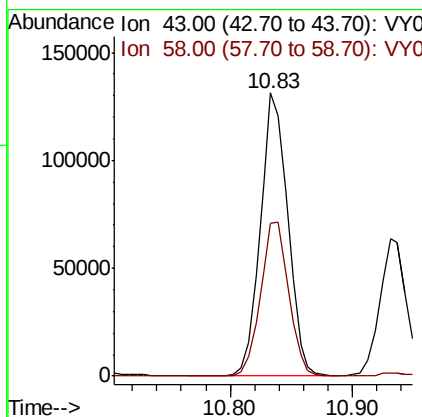
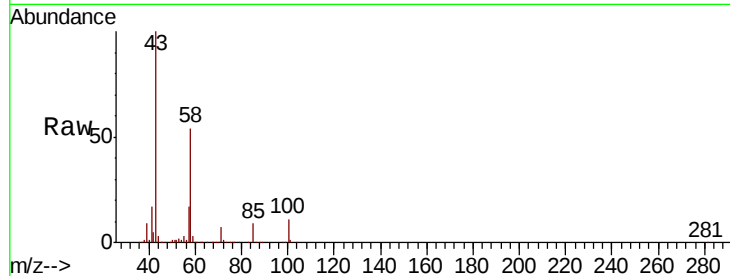
#59  
2-Hexanone  
Concen: 97.927 ug/l  
RT: 10.83 min Scan# 1492  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1016SBS01

Tot Ion: 43 Resp: 205525  
Ion Ratio Lower Upper  
43 100  
58 55.9 27.7 83.1

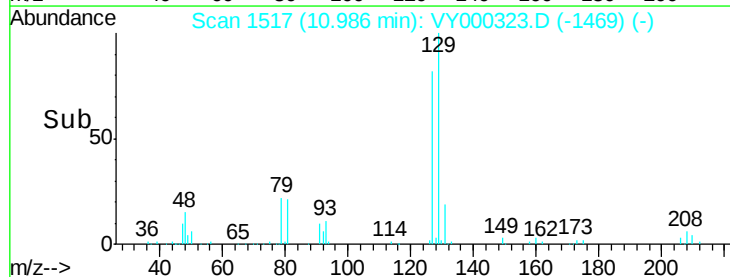
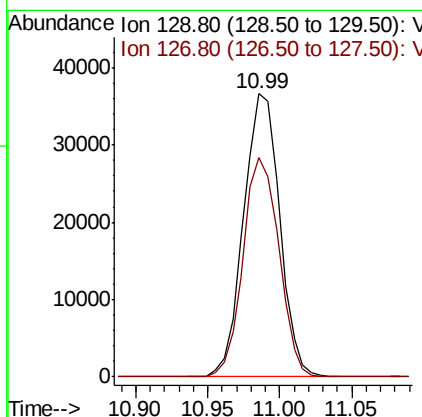
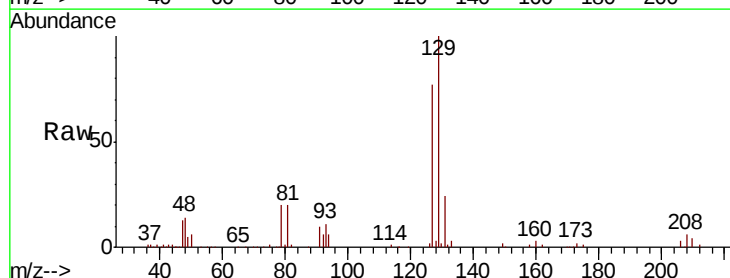
Manual Integrations  
APPROVED

MMDadoda  
10/18/2019 12:50:35 AM



#60  
Dibromochloromethane  
Concen: 19.310 ug/l  
RT: 10.99 min Scan# 1517  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Tgt Ion: 129 Resp: 63524  
Ion Ratio Lower Upper  
129 100  
127 77.1 39.9 119.7





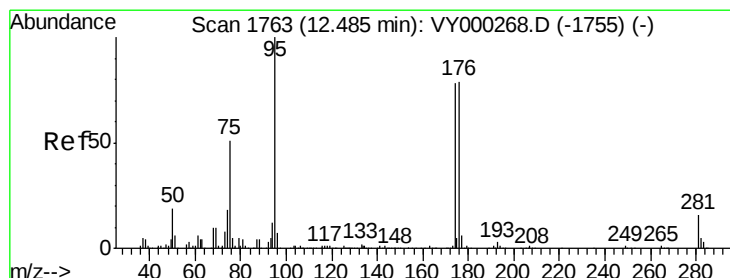
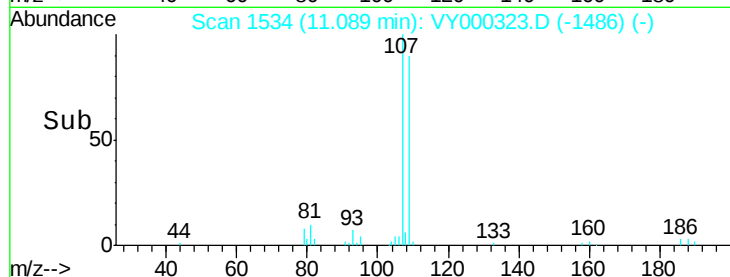
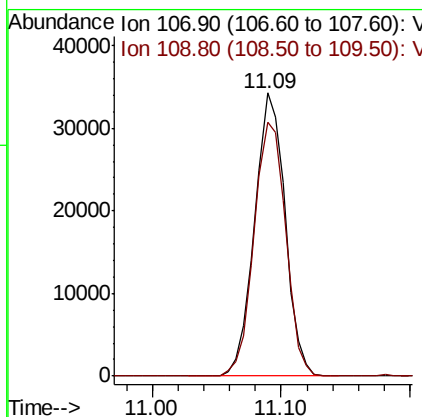
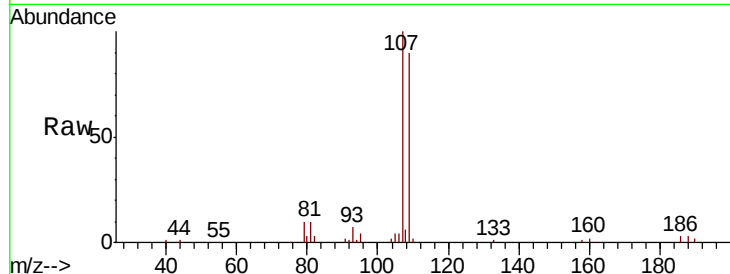
#61  
 1,2-Dibromoethane  
 Concen: 19.612 ug/l  
 RT: 11.09 min Scan# 1534  
 Delta R.T. -0.01 min  
 Lab File: VY000323.D  
 Acq: 16 Oct 2019 12:41

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1016SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.3  | 75.1  | 112.7 |

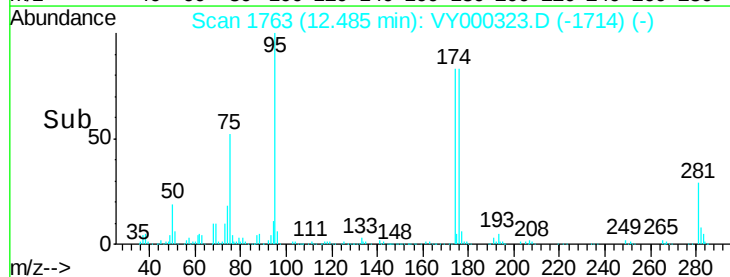
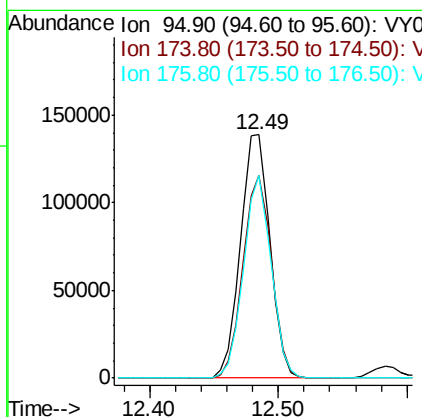
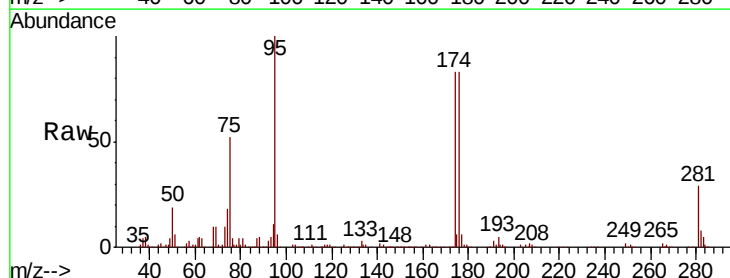
Manual Integrations  
 APPROVED

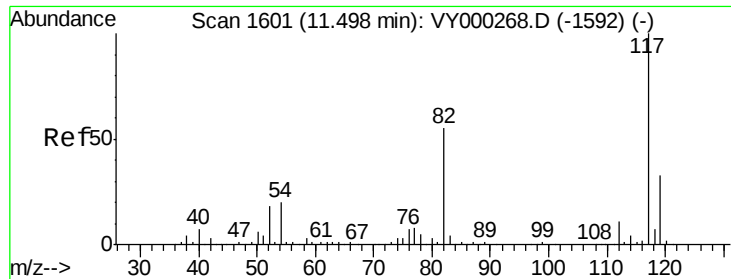
MMDadoda  
 10/18/2019 12:50:35 AM



#62  
 4-Bromofluorobenzene  
 Concen: 47.315 ug/l  
 RT: 12.49 min Scan# 1763  
 Delta R.T. -0.00 min  
 Lab File: VY000323.D  
 Acq: 16 Oct 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 80.6  | 0.0   | 159.6 |
| 176     | 77.9  | 0.0   | 153.8 |





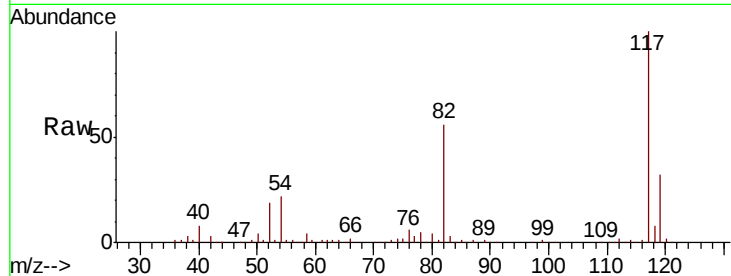
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1016SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.5  | 43.7  | 65.5  |
| 119     | 32.3  | 26.6  | 39.8  |

Manual Integrations  
APPROVED

MMDadoda  
10/18/2019 12:50:35 AM

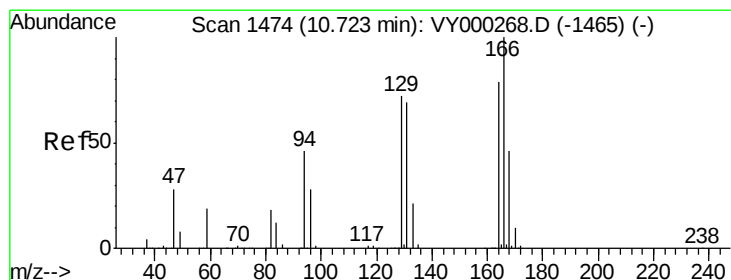
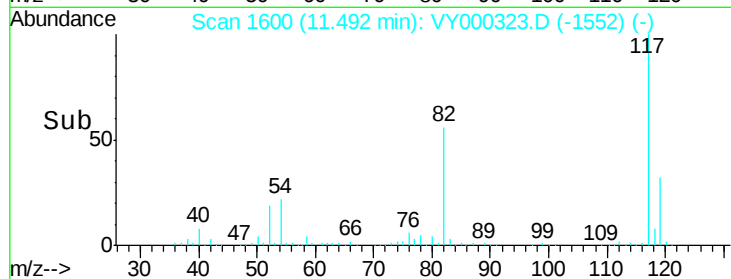
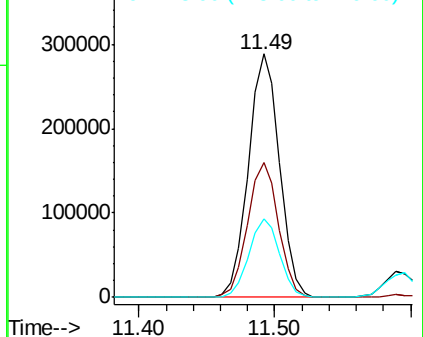


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64  
Tetrachloroethene  
Concen: 19.586 ug/l  
RT: 10.72 min Scan# 1474  
Delta R.T. -0.00 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 129.4 | 100.6 | 151.0 |
| 129     | 97.1  | 72.8  | 109.2 |
| 131     | 92.5  | 69.4  | 104.2 |

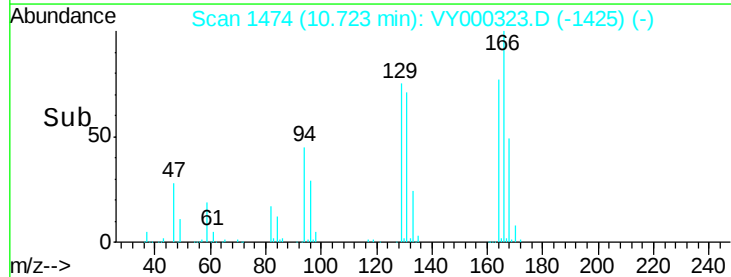
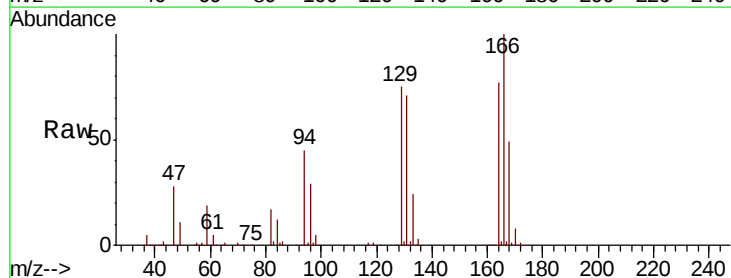
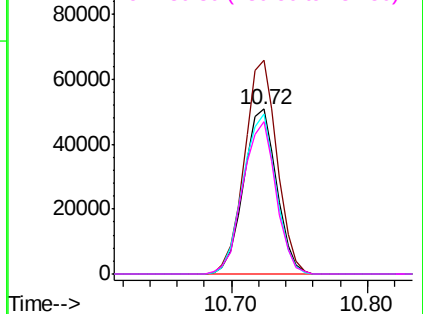
Abundance

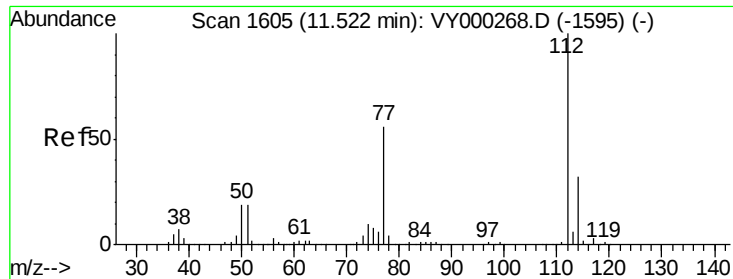
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





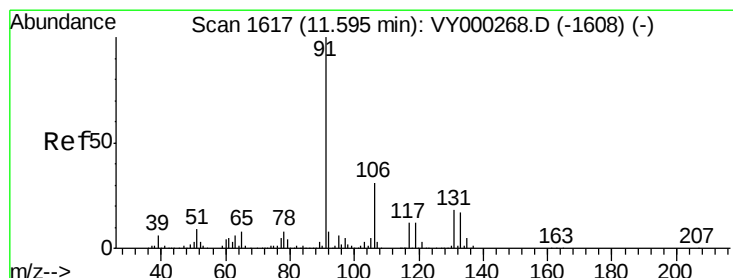
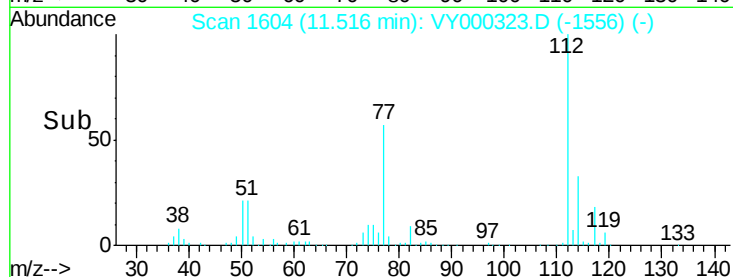
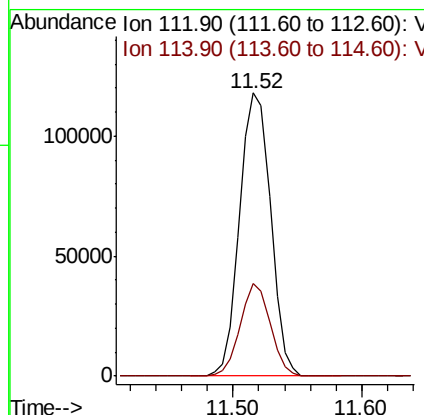
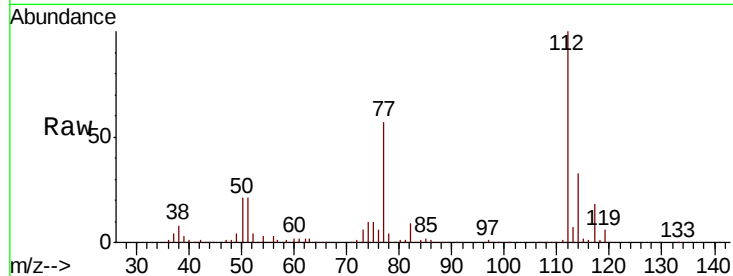
#65  
Chlorobenzene  
Concen: 20.197 ug/l  
RT: 11.52 min Scan# 1604  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1016SBS01

Tot Ion:112 Resp: 196502  
Ion Ratio Lower Upper  
112 100  
114 32.9 25.7 38.5

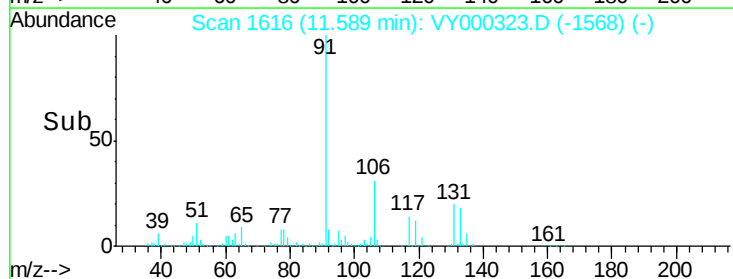
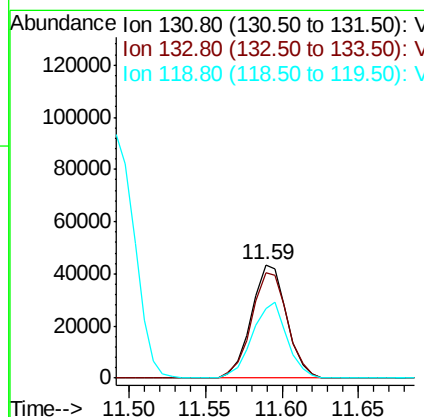
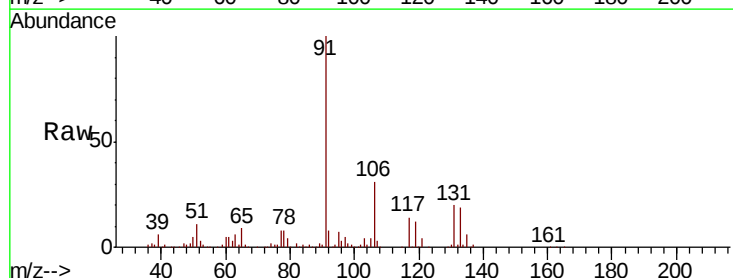
Manual Integrations  
APPROVED

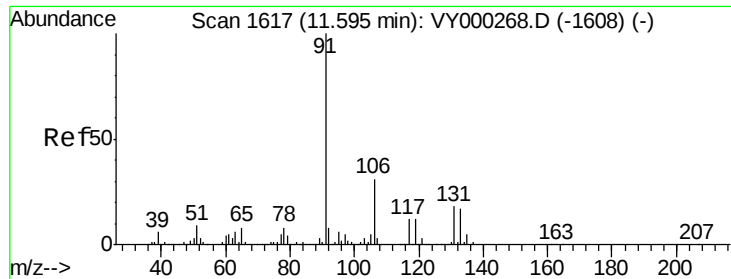
MMDadoda  
10/18/2019 12:50:35 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.329 ug/l  
RT: 11.59 min Scan# 1616  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Tgt Ion:131 Resp: 69478  
Ion Ratio Lower Upper  
131 100  
133 95.3 47.2 141.6  
119 66.2 32.6 98.0





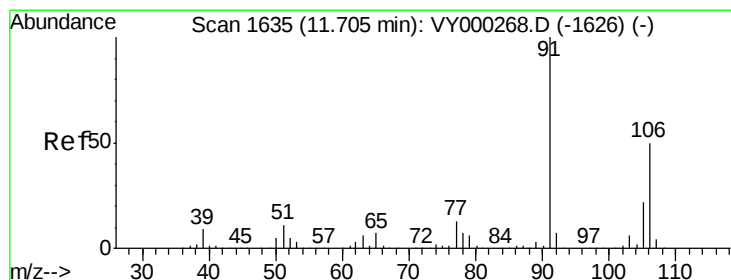
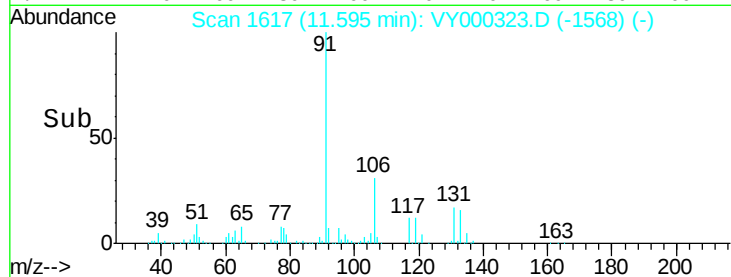
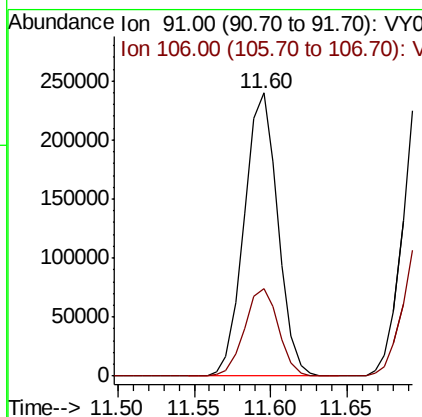
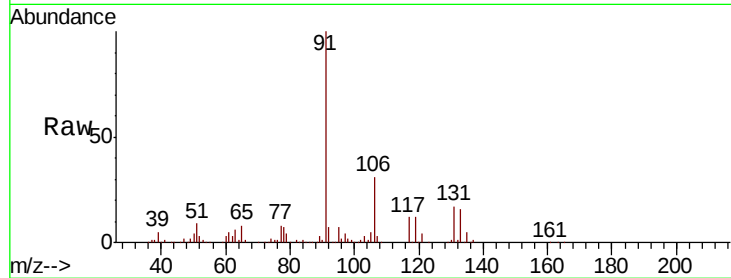
#67  
Ethyl Benzene  
Concen: 20.305 ug/l  
RT: 11.60 min Scan# 1617  
Delta R.T. -0.00 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1016SBS01

Tot Ion: 91 Resp: 366223  
Ion Ratio Lower Upper  
91 100  
106 30.9 25.0 37.6

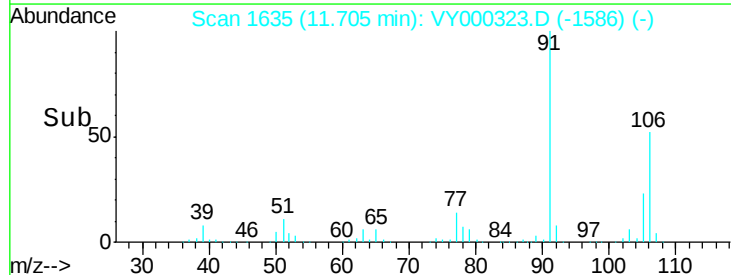
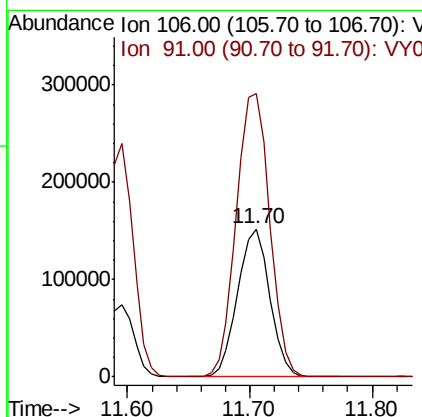
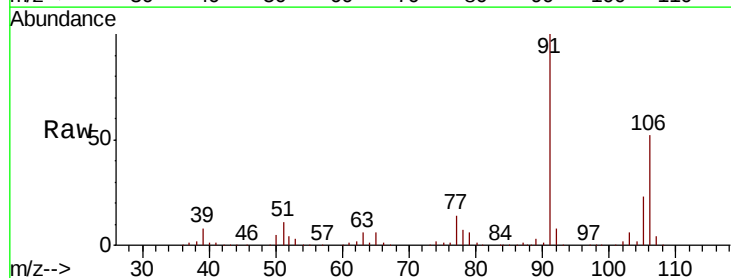
Manual Integrations  
APPROVED

MMDadoda  
10/18/2019 12:50:35 AM



#68  
m/p-Xylenes  
Concen: 40.249 ug/l  
RT: 11.70 min Scan# 1635  
Delta R.T. -0.00 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Tgt Ion: 106 Resp: 277510  
Ion Ratio Lower Upper  
106 100  
91 199.2 157.5 236.3





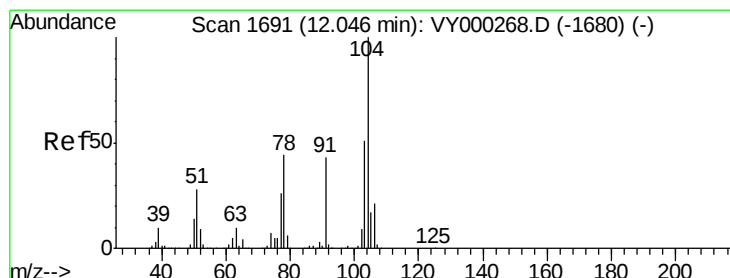
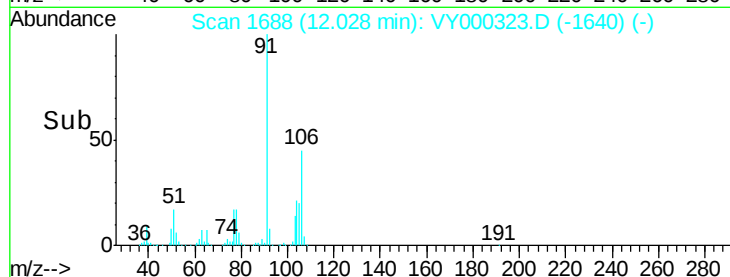
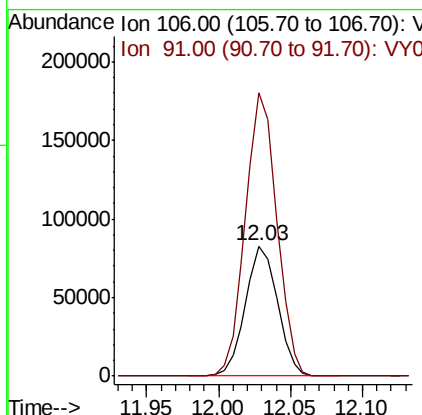
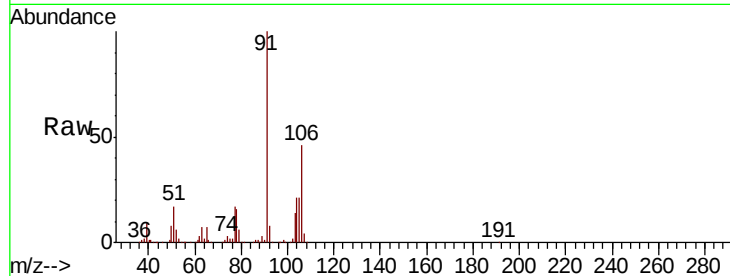
#69  
o-Xylene  
Concen: 19.466 ug/l  
RT: 12.03 min Scan# 1688  
Delta R.T. -0.01 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1016SBS01

Tot Ion:106 Resp: 128036  
Ion Ratio Lower Upper  
106 100  
91 213.7 104.7 313.9

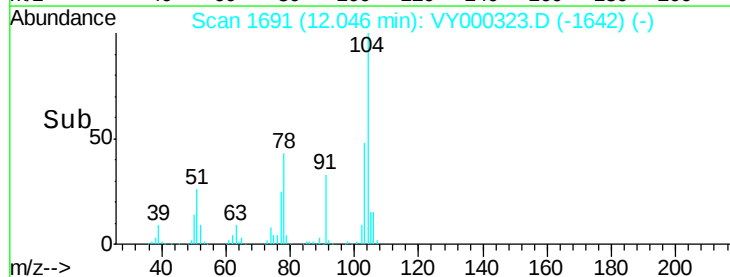
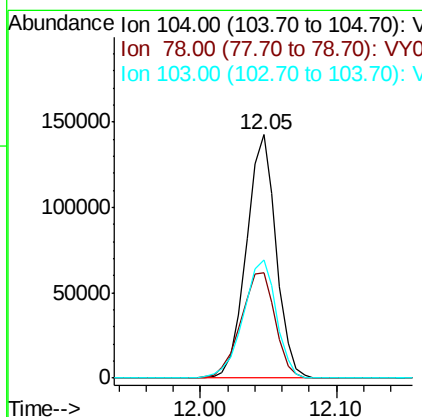
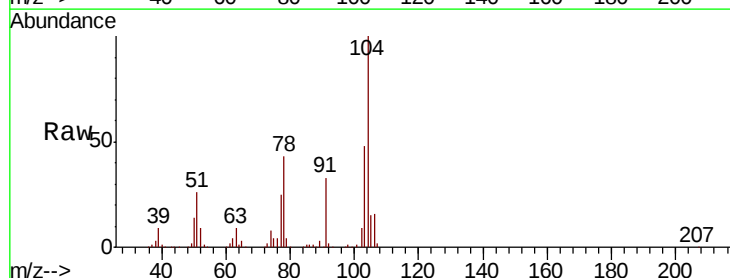
Manual Integrations  
APPROVED

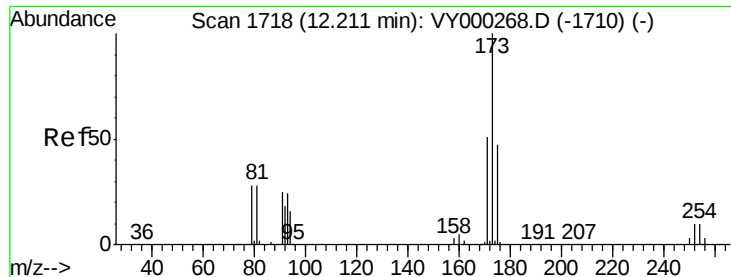
MMDadoda  
10/18/2019 12:50:35 AM



#70  
Styrene  
Concen: 19.602 ug/l  
RT: 12.05 min Scan# 1691  
Delta R.T. -0.00 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Tgt Ion:104 Resp: 217440  
Ion Ratio Lower Upper  
104 100  
78 50.3 39.0 58.6  
103 54.1 43.1 64.7





#71

Bromoform

Concen: 19.485 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Instrument :

MSVOA\_Y

ClientSampleId :

VY1016SBS01

Tot Ion:173 Resp: 38282

Ion Ratio Lower Upper

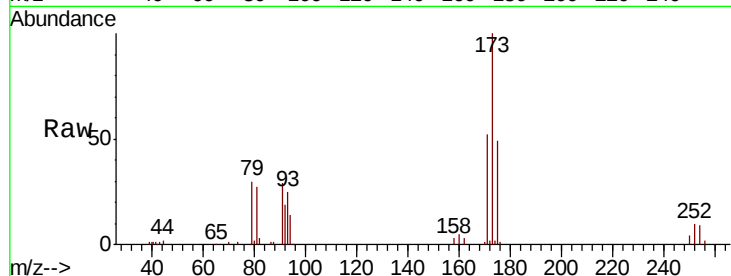
173 100

175 47.8 24.6 73.6

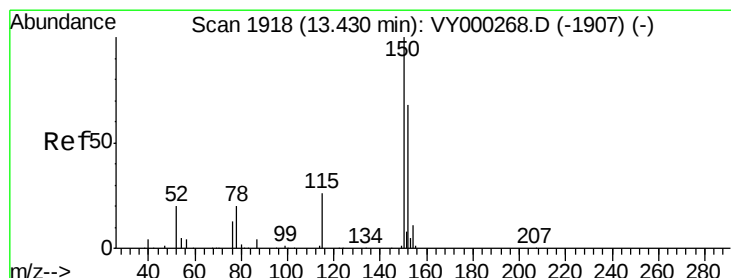
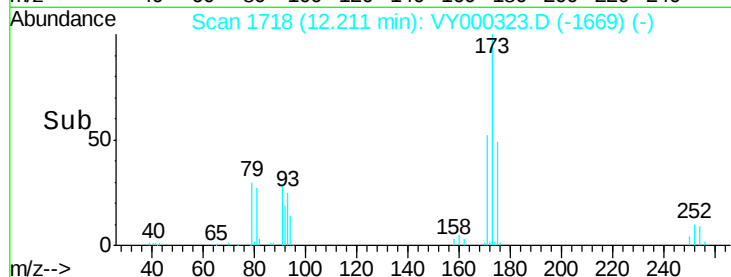
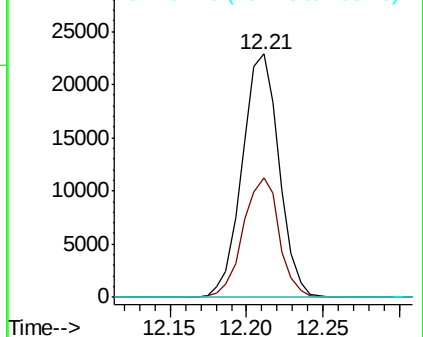
254 0.0 0.1 0.1#

Manual Integrations  
APPROVED

MMDadoda  
10/18/2019 12:50:35 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

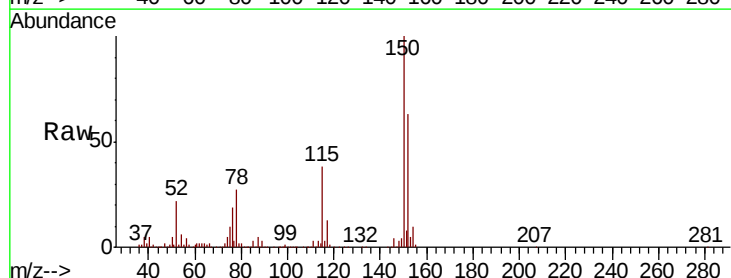
Tgt Ion:152 Resp: 226165

Ion Ratio Lower Upper

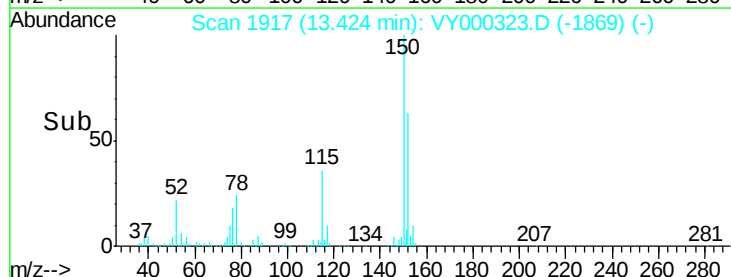
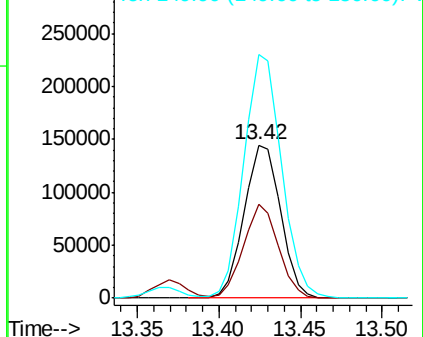
152 100

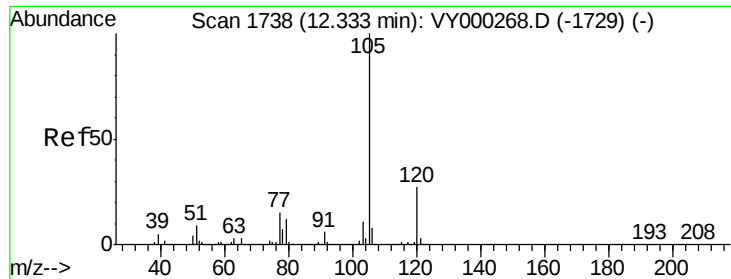
115 58.5 29.3 88.0

150 165.1 0.0 348.4



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





#73

Isopropylbenzene

Concen: 19.893 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Instrument :

MSVOA\_Y

ClientSampleId :

VY1016SBS01

Tot Ion:105 Resp: 350809

Ion Ratio Lower Upper

105 100

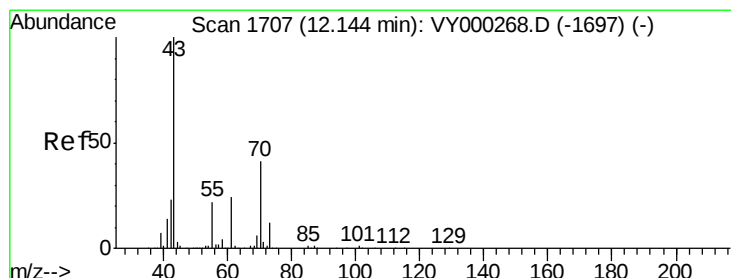
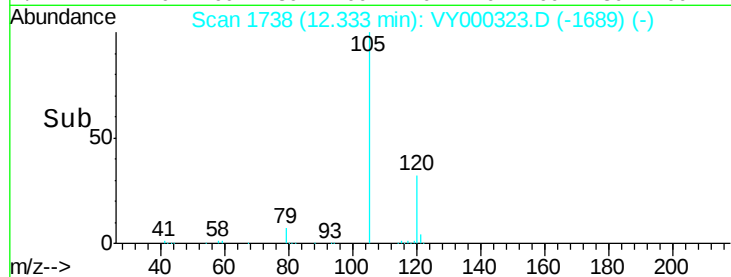
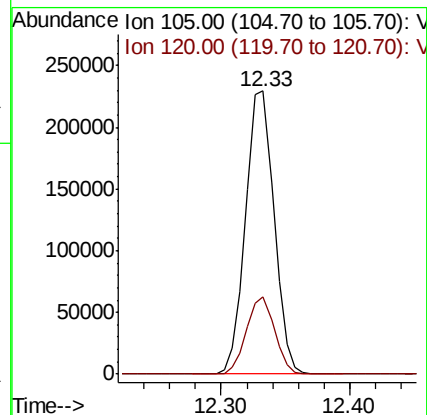
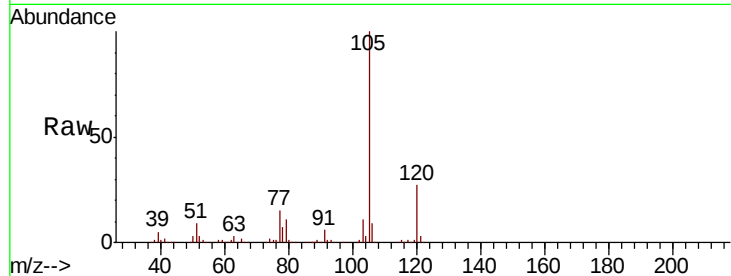
120 26.9 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:50:35 AM



#74

N-ethyl acetate

Concen: 21.601 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Tgt Ion: 43 Resp: 93518

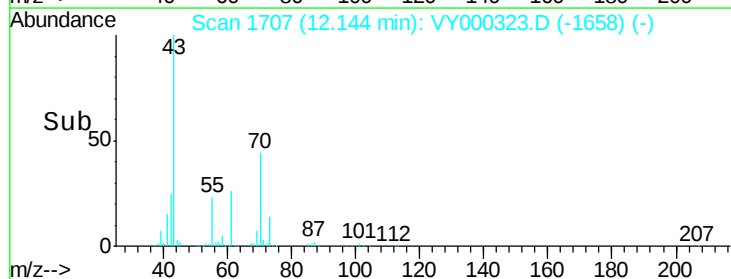
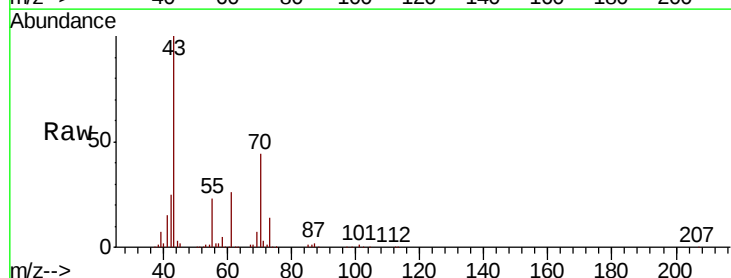
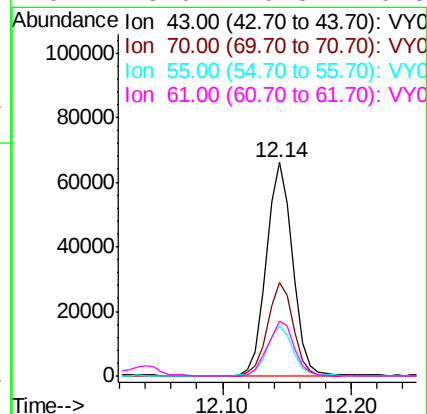
Ion Ratio Lower Upper

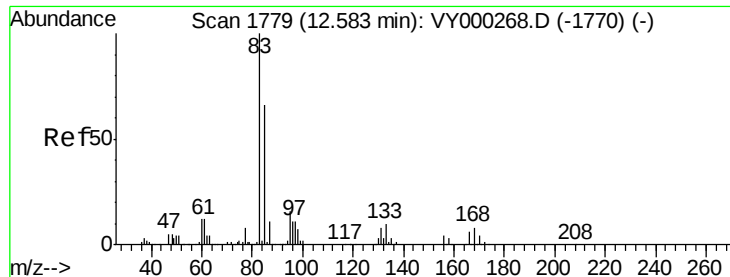
43 100

70 43.0 32.9 49.3

55 23.2 17.8 26.6

61 25.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.816 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Instrument :

MSVOA\_Y

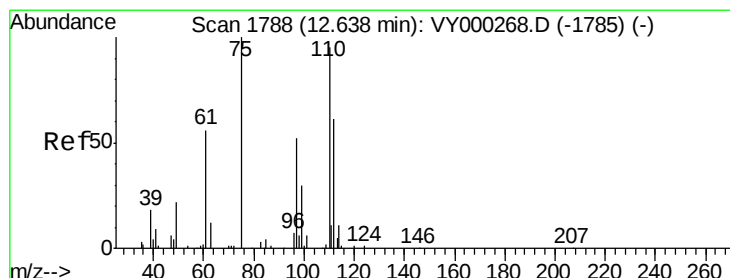
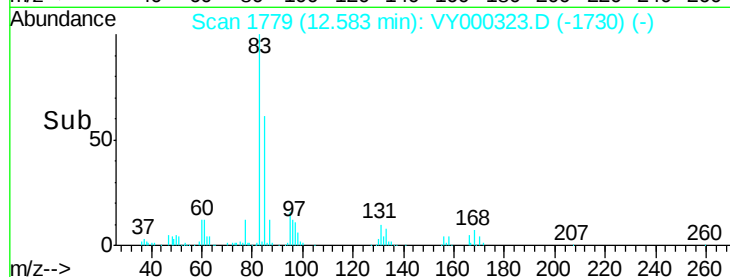
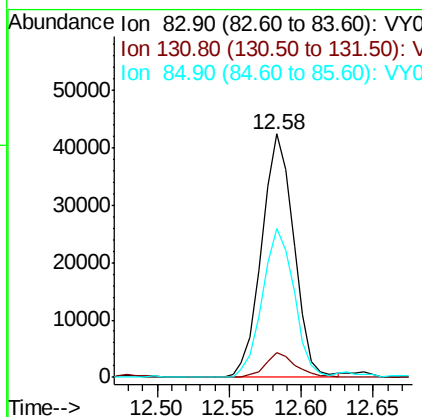
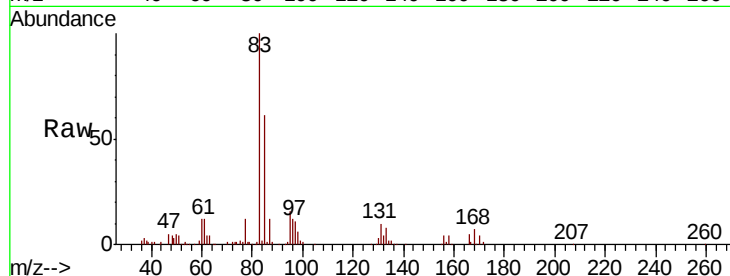
ClientSampleId :

VY1016SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 65613 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.6   | 5.3   | 16.1  |
| 85        | 60.4  | 32.9  | 98.7  |

Manual Integrations  
APPROVED

MMDadoda  
10/18/2019 12:50:35 AM



#76

1,2,3-Trichloropropane

Concen: 19.286 ug/l m

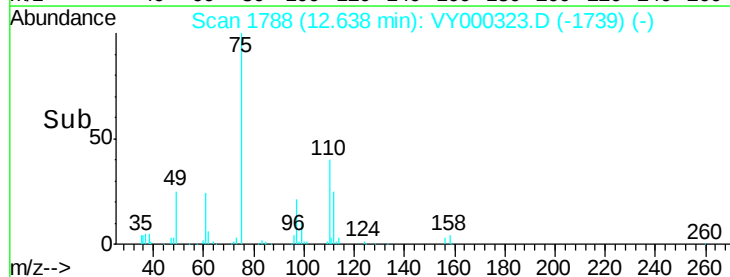
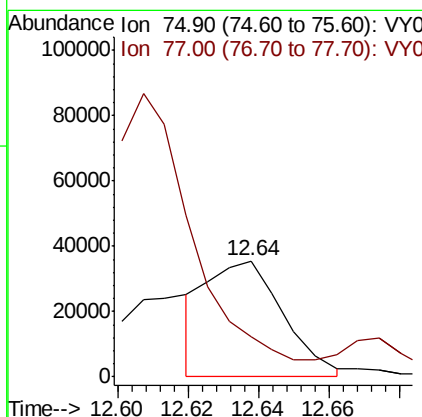
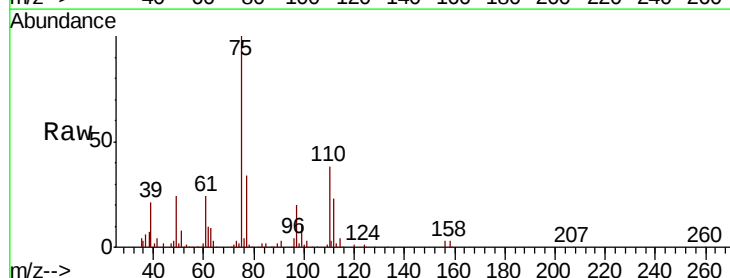
RT: 12.64 min Scan# 1788

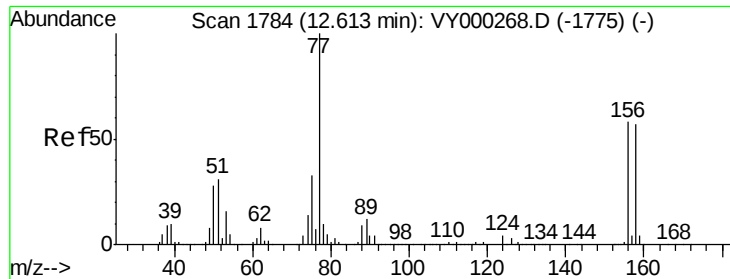
Delta R.T. -0.00 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 53635 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 20.479 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Instrument :

MSVOA\_Y

ClientSampleId :

VY1016SBS01

Tot Ion:156 Resp: 80362

Ion Ratio Lower Upper

156 100

77 192.9 101.0 302.9

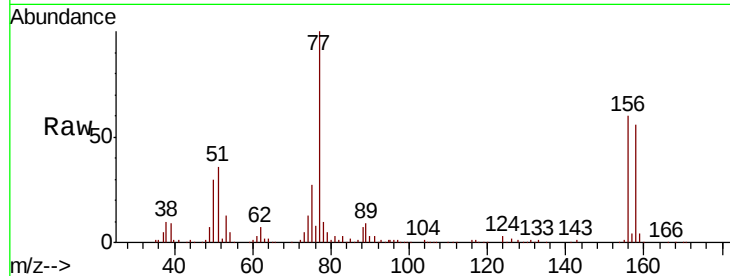
158 94.6 49.7 149.1

Manual Integrations

APPROVED

MMDadoda

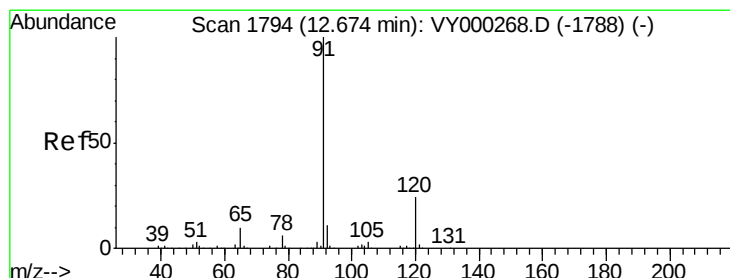
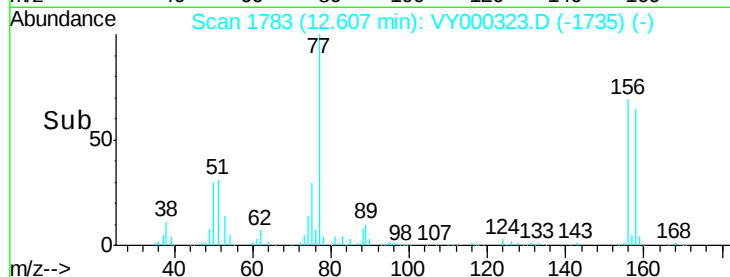
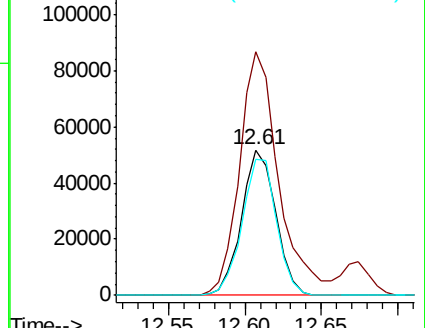
10/18/2019 12:50:35 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.978 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY000323.D

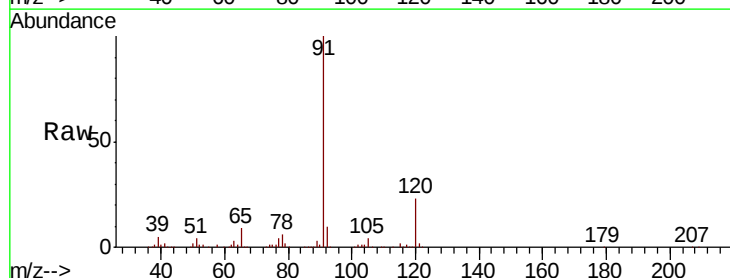
Acq: 16 Oct 2019 12:41

Tgt Ion: 91 Resp: 423000

Ion Ratio Lower Upper

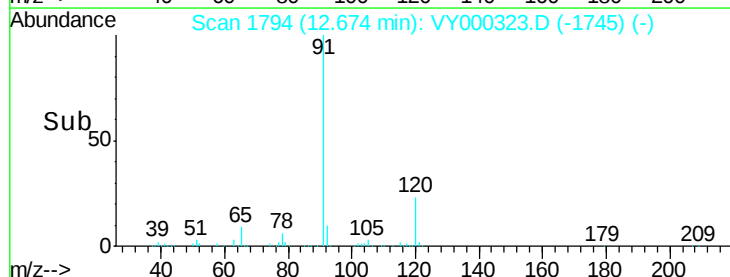
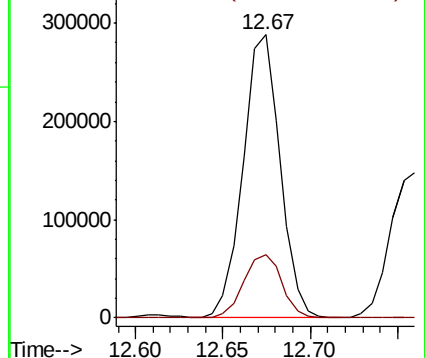
91 100

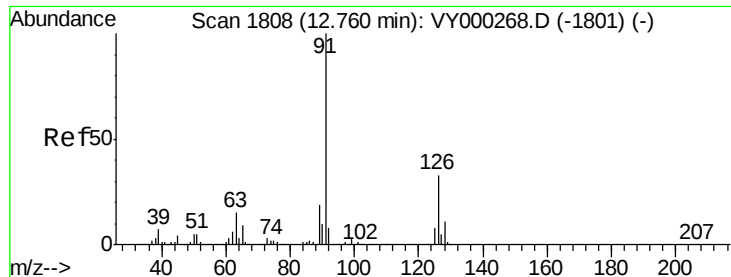
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.906 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Instrument :

MSVOA\_Y

ClientSampleId :

VY1016SBS01

Tot Ion: 91 Resp: 232766

Ion Ratio Lower Upper

91 100

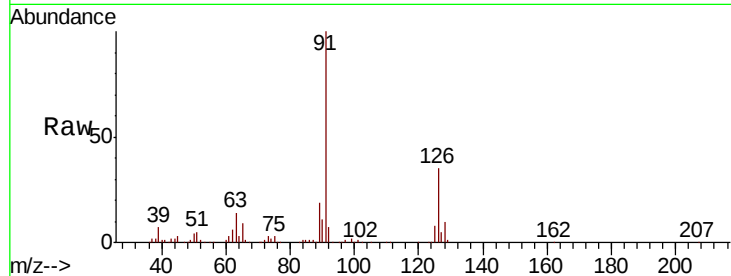
126 35.3 17.1 51.3

Manual Integrations

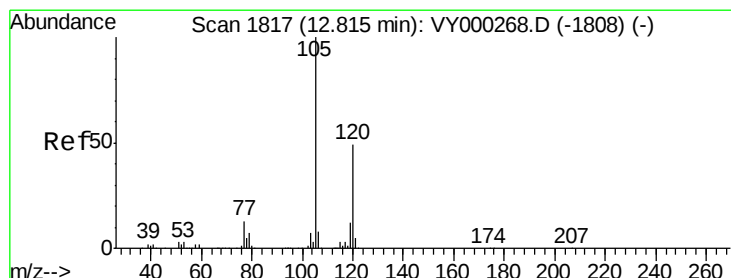
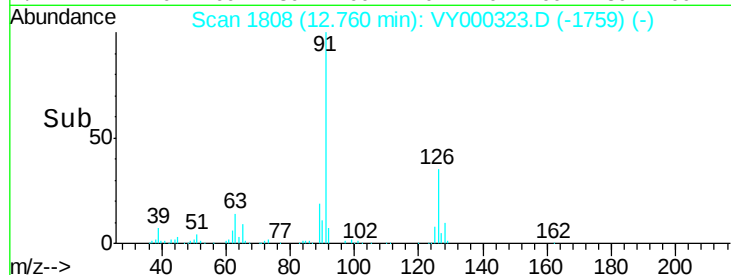
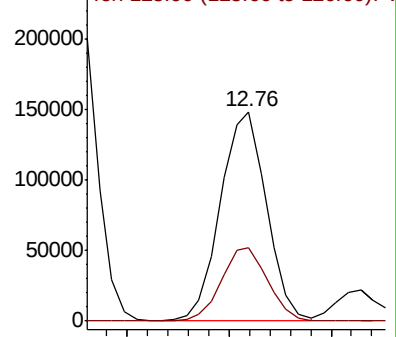
APPROVED

MMDadoda

10/18/2019 12:50:35 AM



Abundance Ion 91.00 (90.70 to 91.70): VY000323.D (-1759) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.671 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000323.D

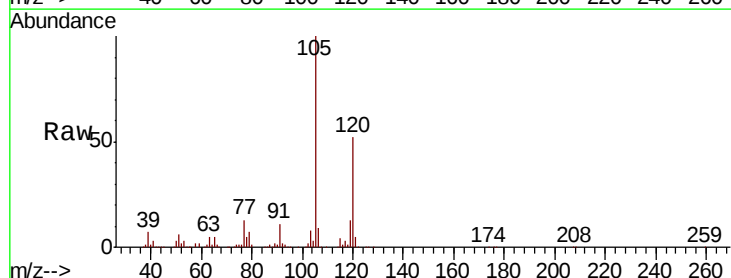
Acq: 16 Oct 2019 12:41

Tgt Ion:105 Resp: 290880

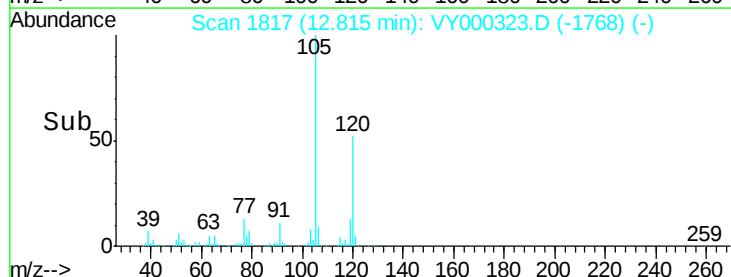
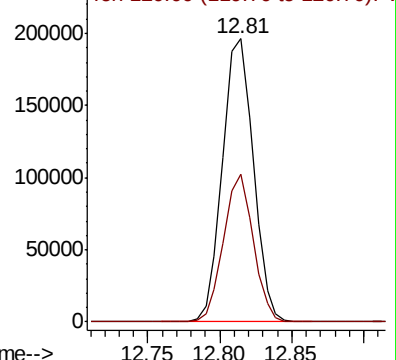
Ion Ratio Lower Upper

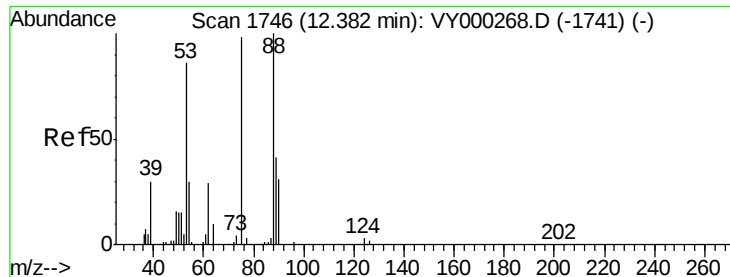
105 100

120 50.2 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000323.D (-1768) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.816 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Instrument :

MSVOA\_Y

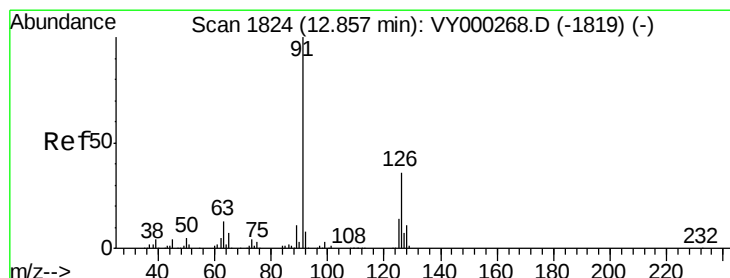
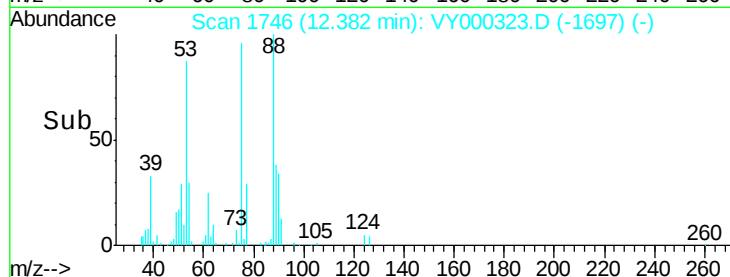
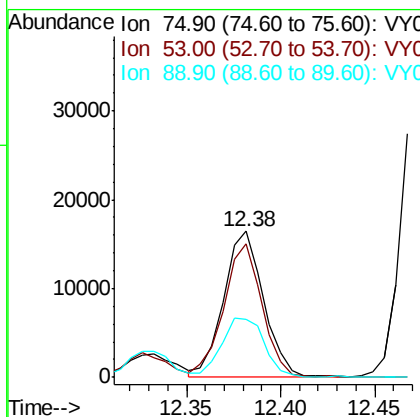
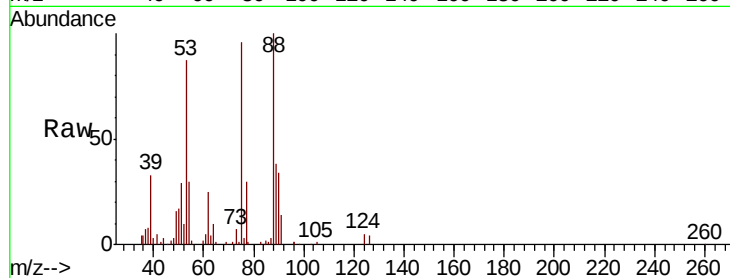
ClientSampleId :

VY1016SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 23917 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 89.2  | 71.3  | 106.9 |
| 89       | 44.4  | 35.1  | 52.7  |

Manual Integrations  
APPROVED

MMDadoda  
10/18/2019 12:50:35 AM



#82

4-Chlorotoluene

Concen: 20.345 ug/l

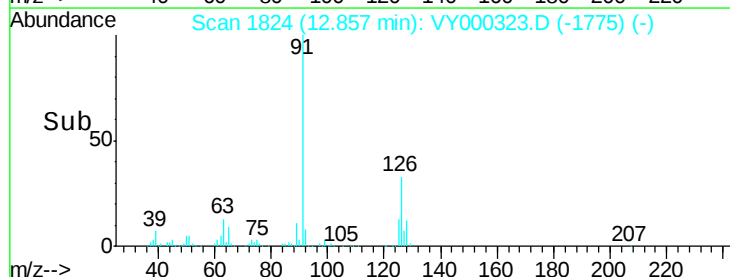
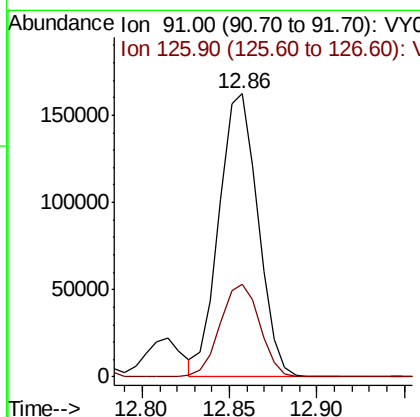
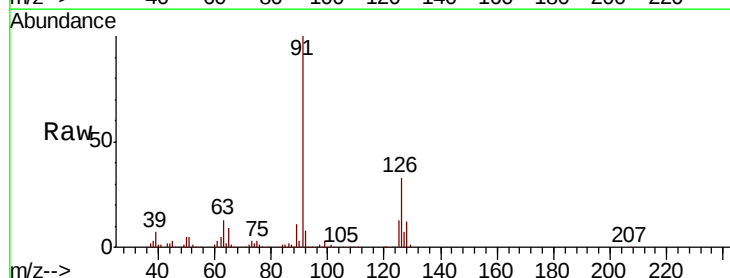
RT: 12.86 min Scan# 1824

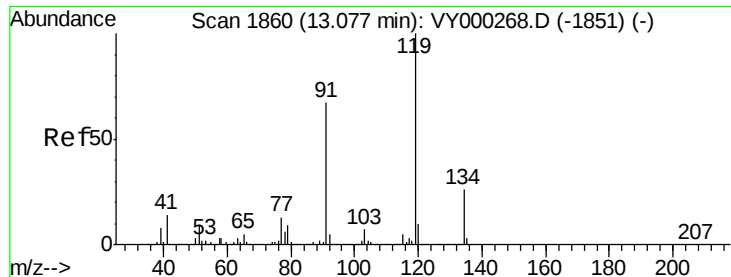
Delta R.T. -0.00 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 251474 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 33.4  | 17.2  | 51.5   |





#83

tert-Butylbenzene

Concen: 20.244 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Instrument :

MSVOA\_Y

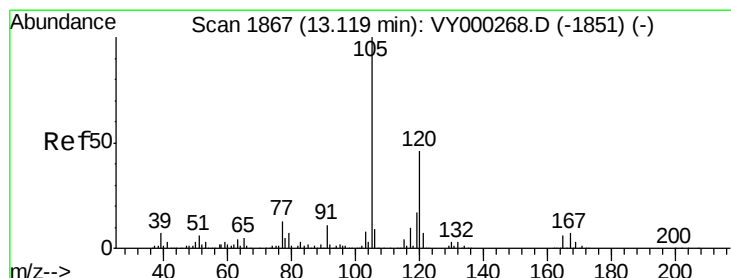
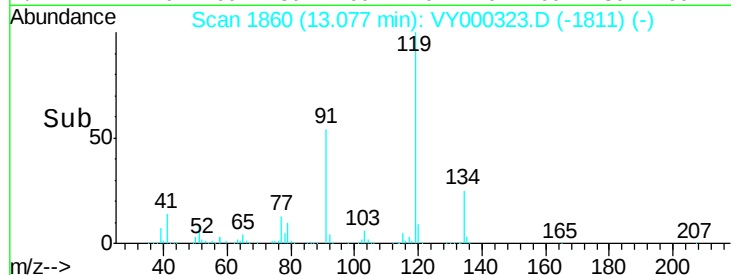
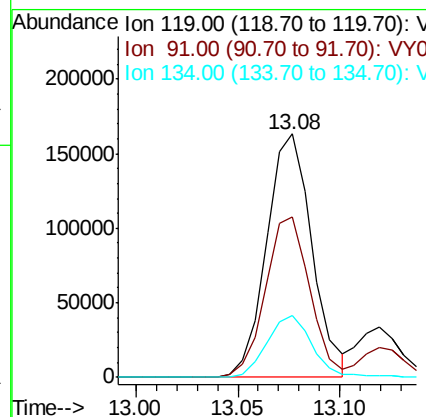
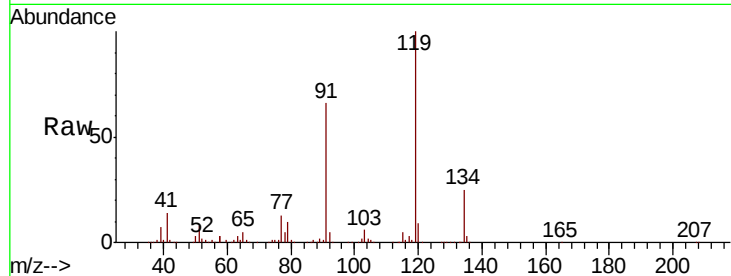
ClientSampleId :

VY1016SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 253504 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 64.6  | 32.9  | 98.7   |
| 134       | 25.6  | 13.3  | 39.8   |

Manual Integrations  
APPROVED

MMDadoda  
10/18/2019 12:50:35 AM



#84

1,2,4-Trimethylbenzene

Concen: 20.166 ug/l

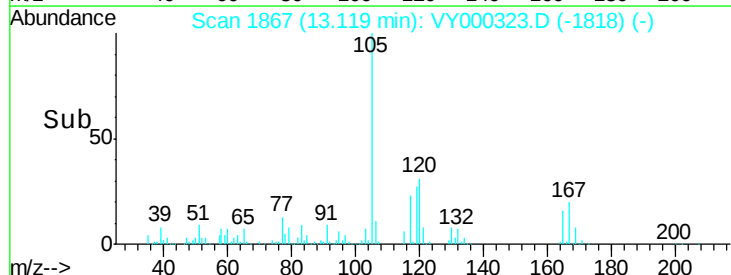
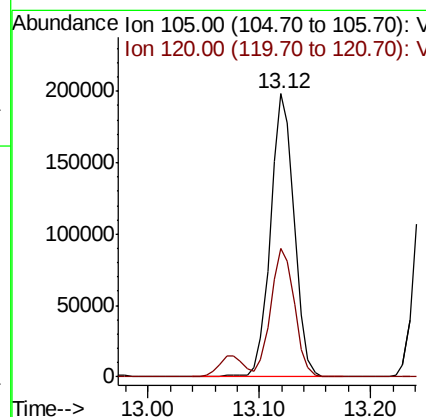
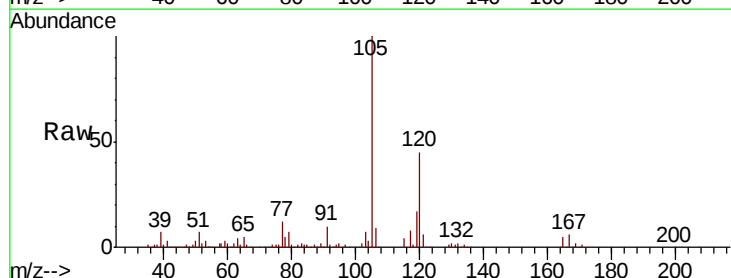
RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 294312 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 45.2  | 22.9  | 68.8   |





#85

sec-Butylbenzene

Concen: 19.803 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

Instrument :

MSVOA\_Y

ClientSampleId :

VY1016SBS01

Tot Ion:105 Resp: 358738

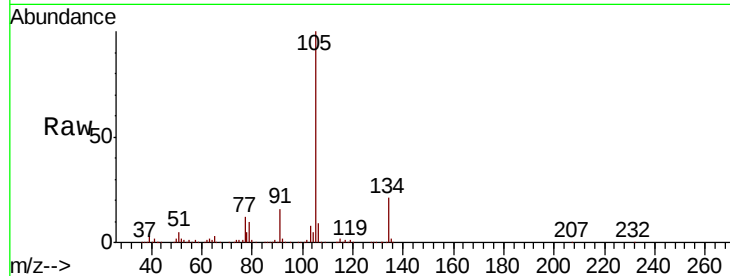
Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1

Manual Integrations  
APPROVED

MMDadoda  
10/18/2019 12:50:35 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

250000

200000

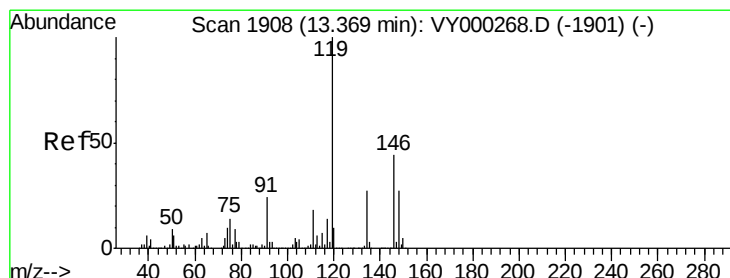
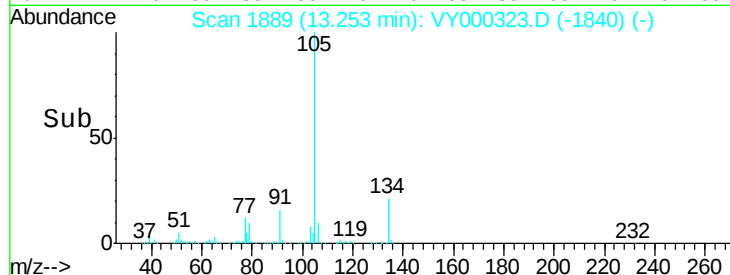
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.189 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000323.D

Acq: 16 Oct 2019 12:41

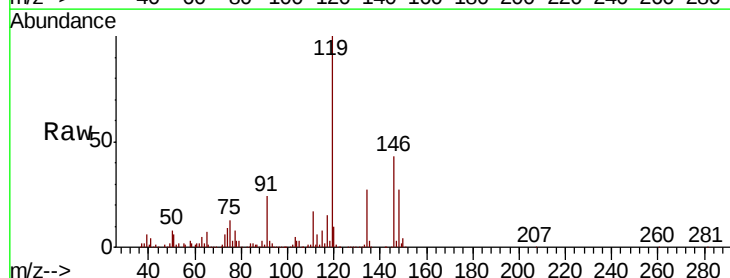
Tgt Ion:119 Resp: 318848

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

91 24.1 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

300000

250000

200000

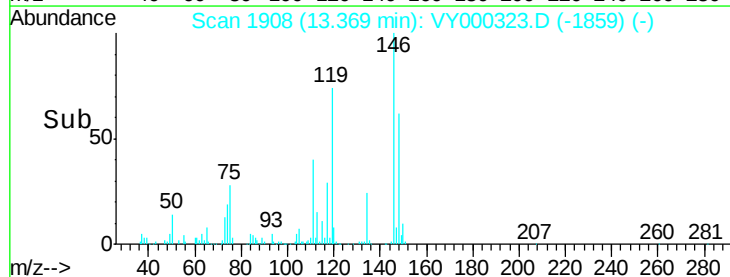
150000

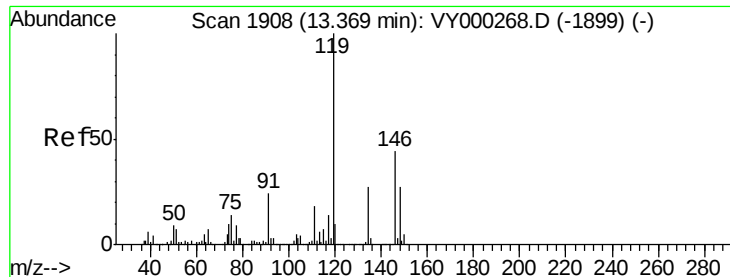
100000

50000

0

Time-->





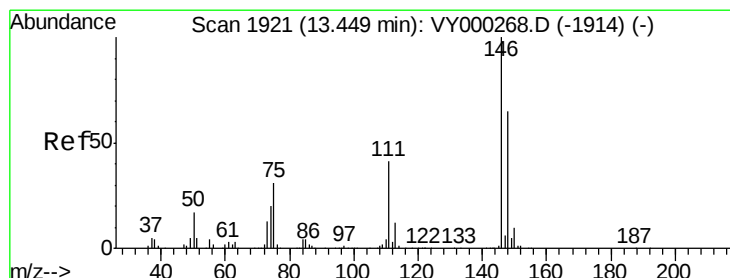
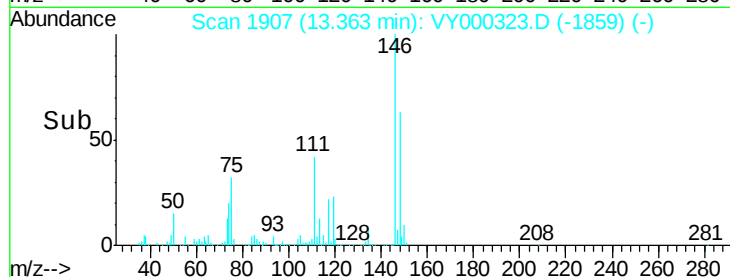
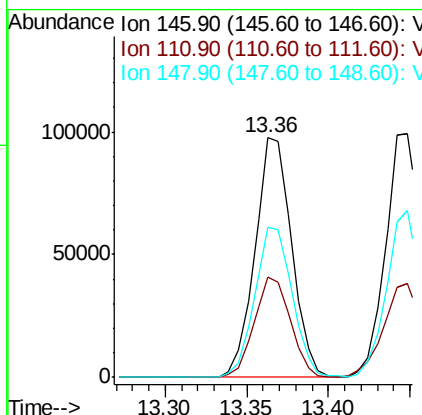
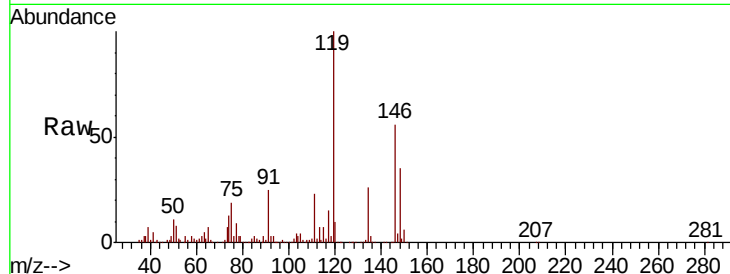
#87  
 1,3-Dichlorobenzene  
 Concen: 19.639 ug/l  
 RT: 13.36 min Scan# 1907  
 Delta R.T. -0.01 min  
 Lab File: VY000323.D  
 Acq: 16 Oct 2019 12:41

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1016SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.4  | 20.6  | 61.8  |
| 148     | 64.1  | 31.9  | 95.5  |

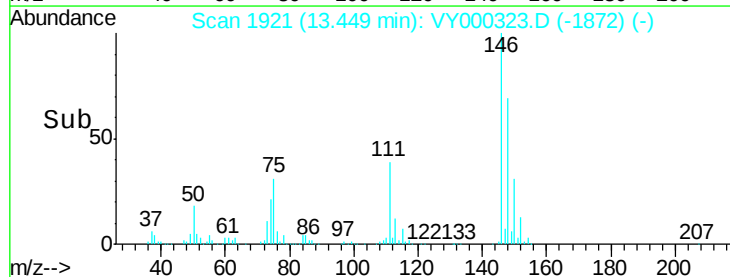
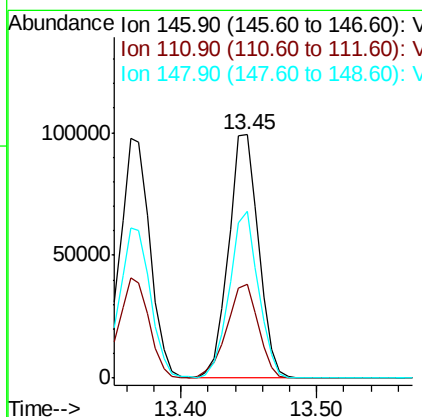
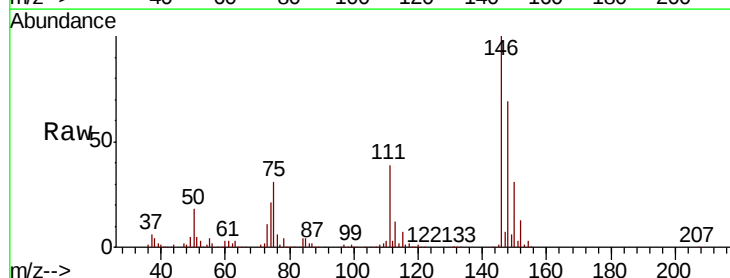
Manual Integrations  
 APPROVED

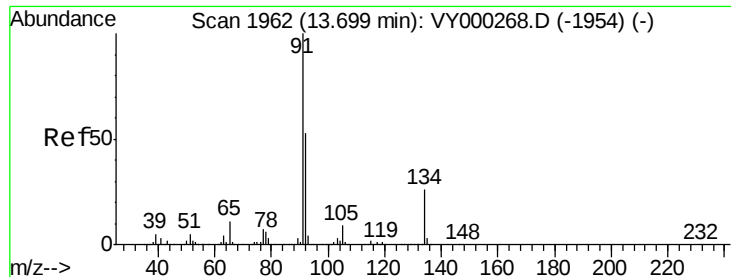
MMDadoda  
 10/18/2019 12:50:35 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.701 ug/l  
 RT: 13.45 min Scan# 1921  
 Delta R.T. -0.00 min  
 Lab File: VY000323.D  
 Acq: 16 Oct 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.6  | 20.1  | 60.2  |
| 148     | 66.4  | 32.4  | 97.2  |





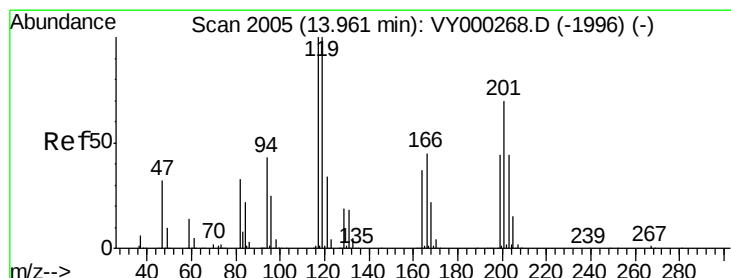
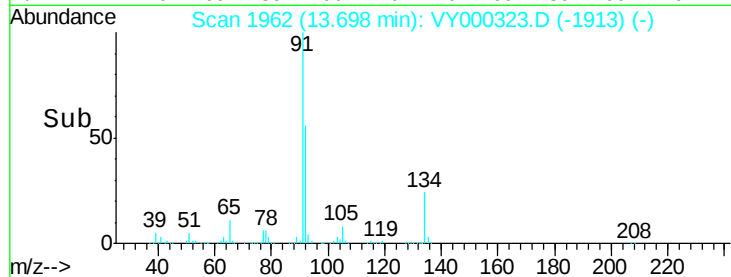
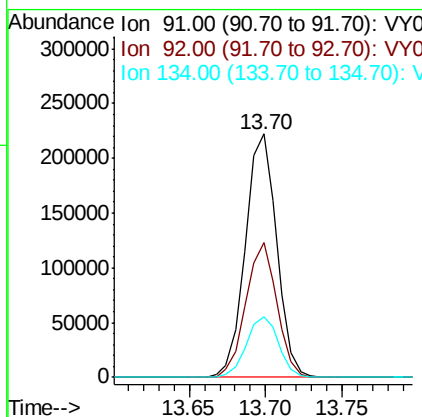
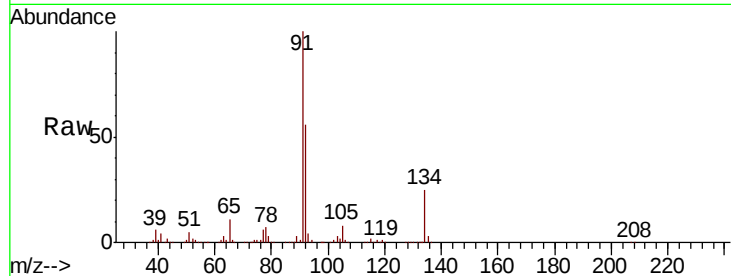
#89  
n-Butylbenzene  
Concen: 20.215 ug/l  
RT: 13.70 min Scan# 1962  
Delta R.T. -0.00 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1016SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 55.1  | 26.7  | 80.1  |
| 134     | 25.4  | 13.0  | 38.9  |

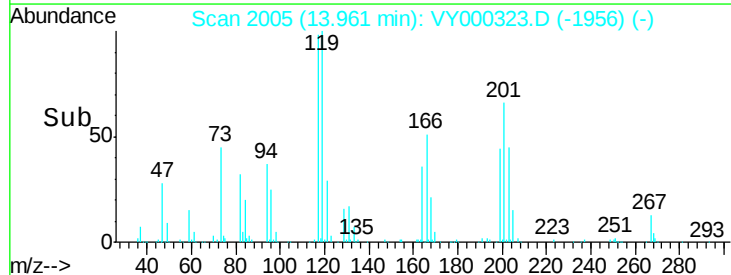
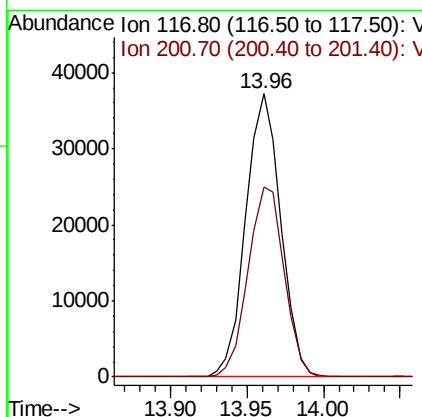
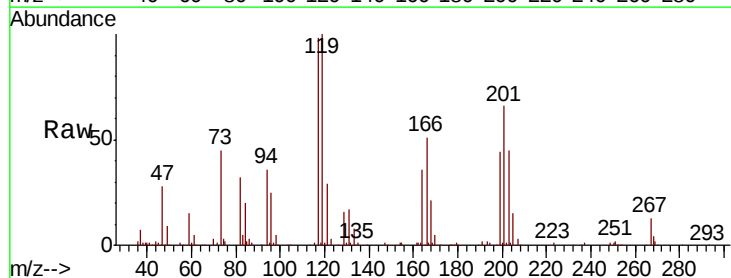
Manual Integrations  
APPROVED

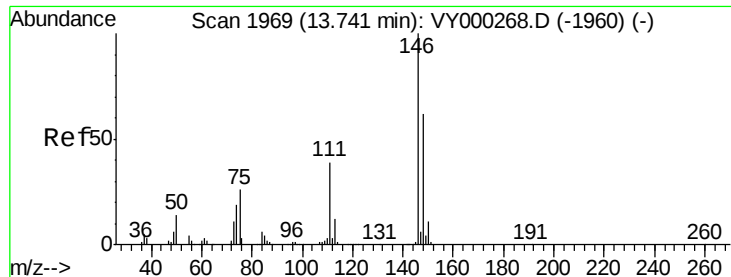
MMDadoda  
10/18/2019 12:50:35 AM



#90  
Hexachloroethane  
Concen: 20.255 ug/l  
RT: 13.96 min Scan# 2005  
Delta R.T. -0.00 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 69.4  | 36.3  | 108.7 |





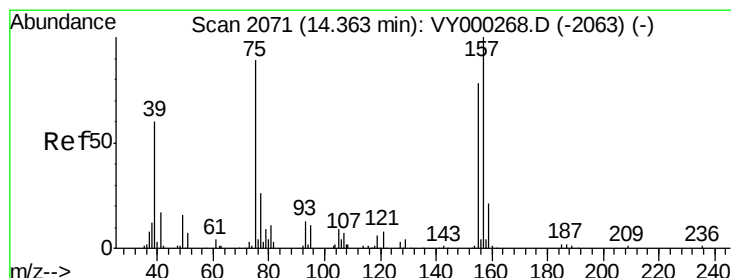
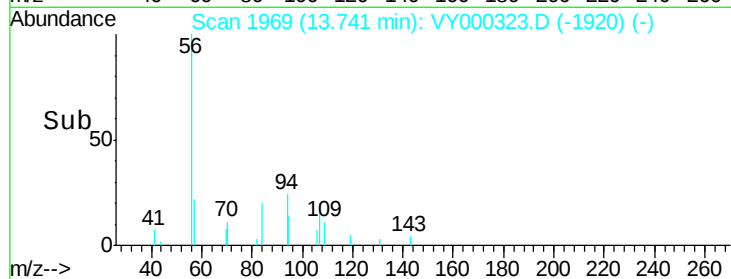
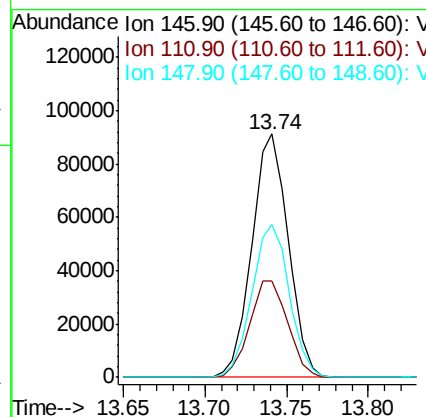
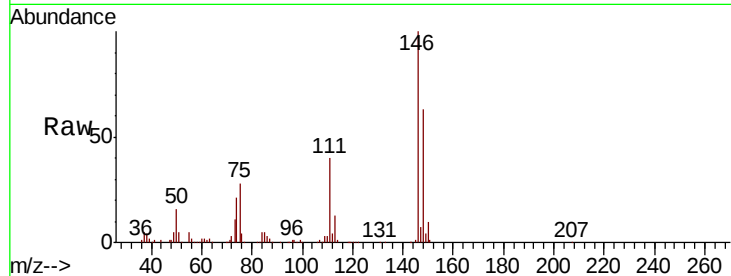
#91  
 1,2-Dichlorobenzene  
 Concen: 20.273 ug/l  
 RT: 13.74 min Scan# 1969  
 Delta R.T. -0.00 min  
 Lab File: VY000323.D  
 Acq: 16 Oct 2019 12:41

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1016SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.5  | 20.5  | 61.5  |
| 148     | 64.4  | 31.6  | 95.0  |

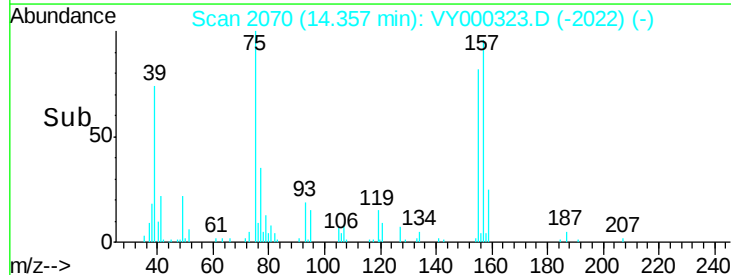
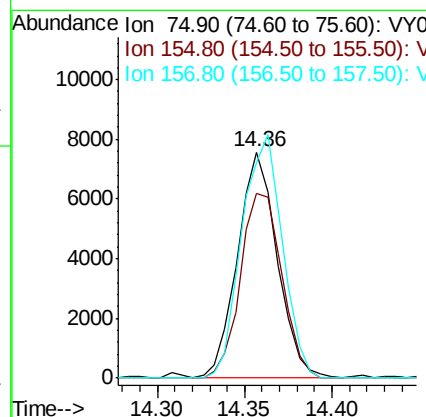
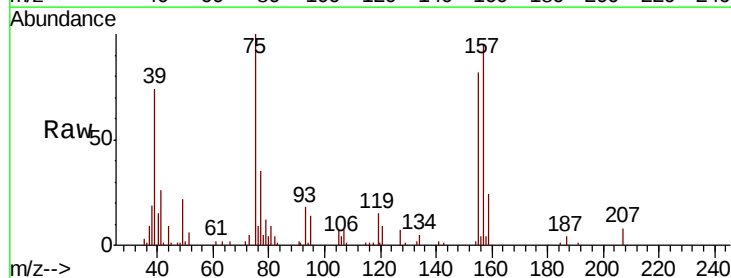
Manual Integrations  
 APPROVED

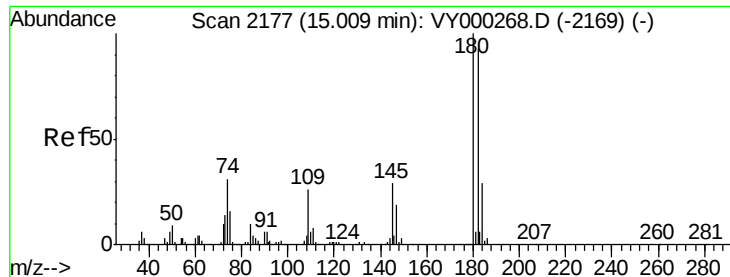
MMDadoda  
 10/18/2019 12:50:35 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.089 ug/l  
 RT: 14.36 min Scan# 2070  
 Delta R.T. -0.01 min  
 Lab File: VY000323.D  
 Acq: 16 Oct 2019 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 85.1  | 45.8  | 137.3 |
| 157     | 109.4 | 55.6  | 166.9 |





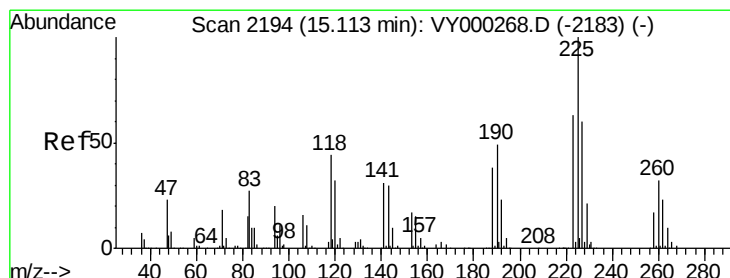
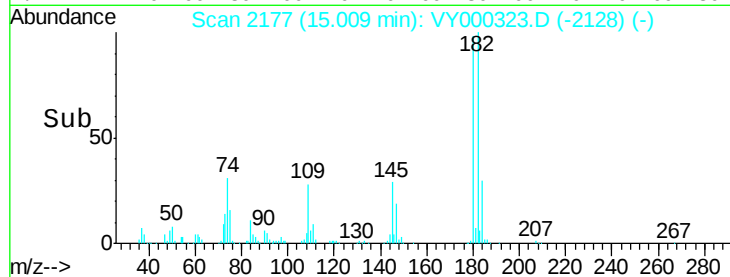
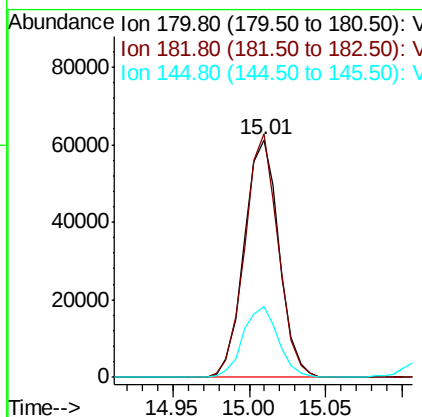
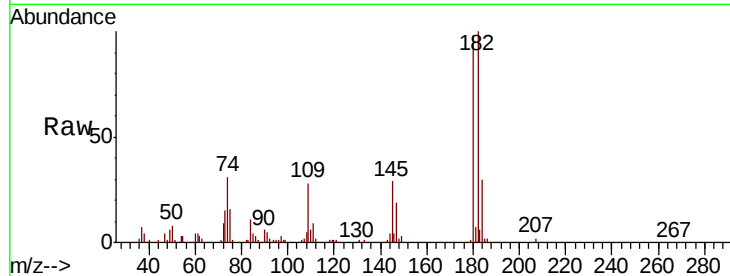
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.847 ug/l  
 RT: 15.01 min Scan# 2177  
 Delta R.T. -0.00 min  
 Lab File: VY000323.D  
 Acq: 16 Oct 2019 12:41

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1016SBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 98.3  | 47.5 | 142.6 |       |
| 145     | 30.1  | 15.4 | 46.1  |       |

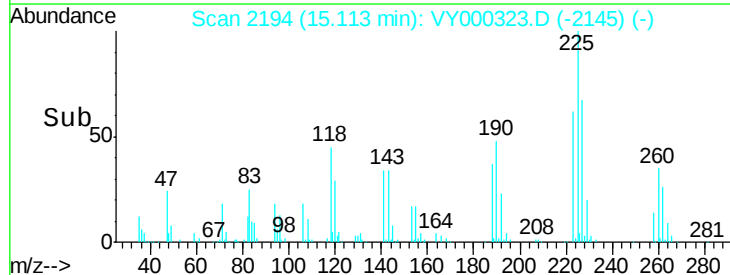
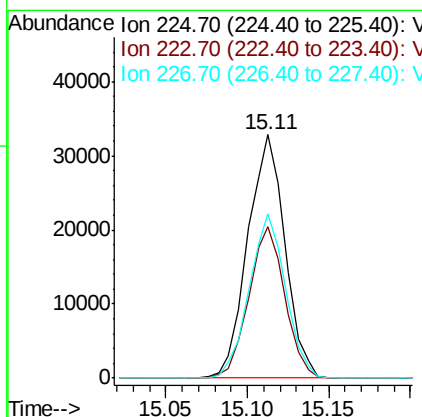
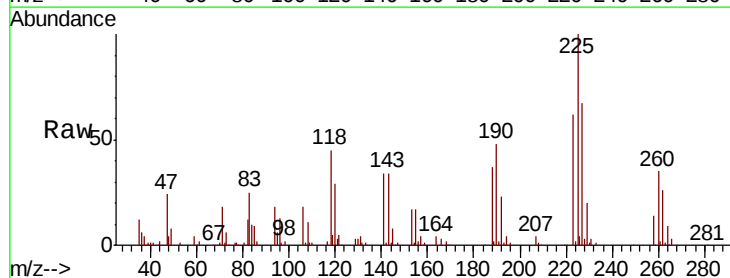
Manual Integrations  
 APPROVED

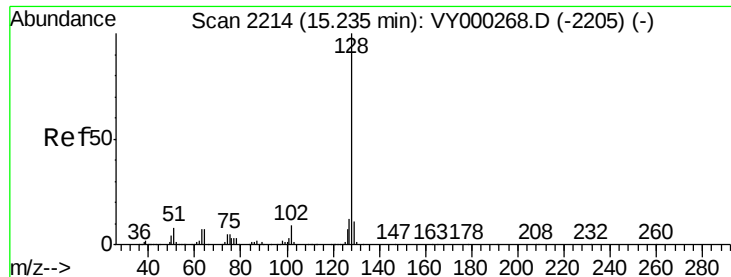
MMDadoda  
 10/18/2019 12:50:35 AM



#94  
 Hexachlorobutadiene  
 Concen: 19.705 ug/l  
 RT: 15.11 min Scan# 2194  
 Delta R.T. -0.00 min  
 Lab File: VY000323.D  
 Acq: 16 Oct 2019 12:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 59.9  | 31.9 | 95.7  |       |
| 227     | 65.7  | 31.4 | 94.2  |       |





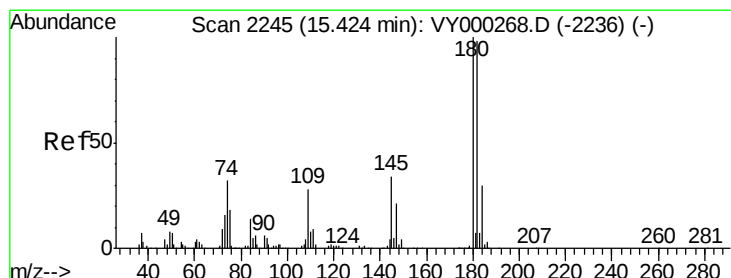
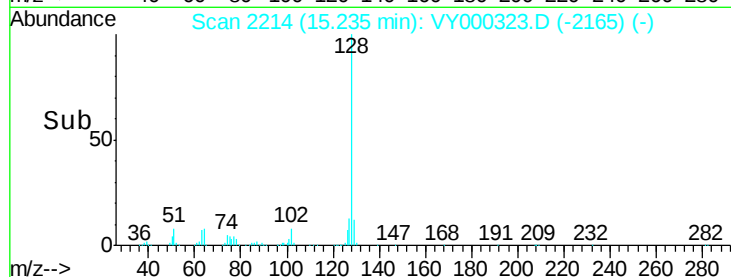
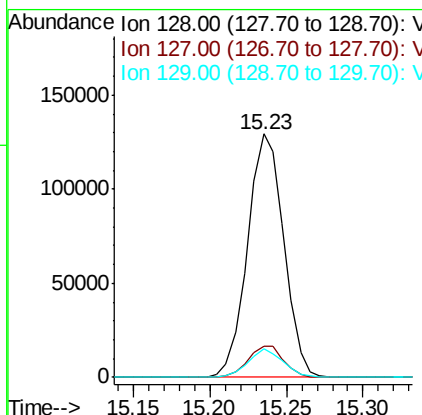
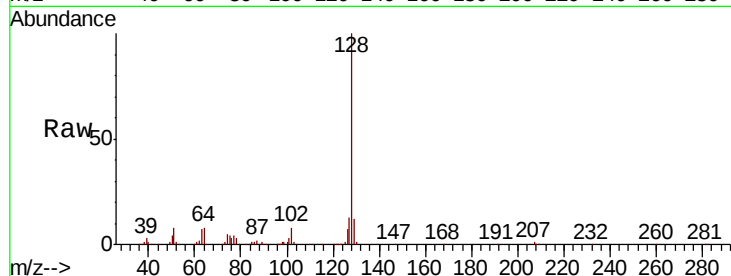
#95  
Naphthalene  
Concen: 19.596 ug/l  
RT: 15.23 min Scan# 2214  
Delta R.T. -0.00 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1016SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 213040 |       |       |
| 127     | 12.9  |        | 9.6   | 14.4  |
| 129     | 11.2  |        | 8.7   | 13.1  |

Manual Integrations  
APPROVED

MMDadoda  
10/18/2019 12:50:35 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 19.929 ug/l  
RT: 15.42 min Scan# 2245  
Delta R.T. -0.00 min  
Lab File: VY000323.D  
Acq: 16 Oct 2019 12:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 87498 |       |       |
| 182     | 95.0  |       | 46.5  | 139.5 |
| 145     | 33.6  |       | 16.2  | 48.5  |

