

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121819\  
 Data File : VY000994.D  
 Acq On : 18 Dec 2019 13:04  
 Operator : SY/MD  
 Sample : VY1218SBS01  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1218SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 12/19/2019 11:10:52 AM

Quant Time: Dec 19 05:56:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 27 12:40:47 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 272570   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.70  | 114  | 472885   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 421661   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 195586   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.15   | 65  | 148114   | 51.14 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.28% |      |
| 35) Dibromofluoromethane  | 7.72   | 113 | 147498   | 53.52 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.04% |      |
| 50) Toluene-d8            | 10.18  | 98  | 604853   | 54.90 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.80% |      |
| 62) 4-Bromofluorobenzene  | 12.48  | 95  | 204058   | 49.31 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.62%  |      |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.90 | 85  | 51255  | 17.469 | ug/l   | 96     |
| 3) Chloromethane              | 2.12 | 50  | 65046  | 17.984 | ug/l   | 97     |
| 4) Vinyl Chloride             | 2.25 | 62  | 64487  | 18.091 | ug/l   | 95     |
| 5) Bromomethane               | 2.64 | 94  | 42407  | 18.222 | ug/l   | 90     |
| 6) Chloroethane               | 2.79 | 64  | 41841  | 19.145 | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 3.13 | 101 | 93760  | 19.193 | ug/l   | 92     |
| 8) Diethyl Ether              | 3.54 | 74  | 36578  | 19.894 | ug/l   | 91     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.91 | 101 | 61386  | 20.349 | ug/l   | 98     |
| 10) Methyl Iodide             | 4.10 | 142 | 73994  | 19.481 | ug/l   | 97     |
| 11) Tert butyl alcohol        | 4.97 | 59  | 27127  | 93.096 | ug/l # | 86     |
| 12) 1,1-Dichloroethene        | 3.88 | 96  | 59461  | 19.896 | ug/l   | 94     |
| 13) Acrolein                  | 3.74 | 56  | 26203  | 91.288 | ug/l   | 95     |
| 14) Allyl chloride            | 4.49 | 41  | 100189 | 19.551 | ug/l   | 97     |
| 15) Acrylonitrile             | 5.18 | 53  | 89843  | 94.630 | ug/l   | 98     |
| 16) Acetone                   | 3.96 | 43  | 64666  | 97.329 | ug/l   | 93     |
| 17) Carbon Disulfide          | 4.20 | 76  | 177386 | 18.352 | ug/l   | 99     |
| 18) Methyl Acetate            | 4.49 | 43  | 46238  | 16.644 | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 5.24 | 73  | 151386 | 18.967 | ug/l   | 98     |
| 20) Methylene Chloride        | 4.72 | 84  | 75620  | 21.592 | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene  | 5.23 | 96  | 68131  | 20.057 | ug/l   | 91     |
| 22) Diisopropyl ether         | 6.13 | 45  | 205629 | 19.524 | ug/l   | 96     |
| 23) Vinyl Acetate             | 6.07 | 43  | 610292 | 95.315 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 6.03 | 63  | 117346 | 20.215 | ug/l   | 99     |
| 25) 2-Butanone                | 7.00 | 43  | 106566 | 86.827 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 7.00 | 77  | 94387  | 19.319 | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 6.99 | 96  | 74281  | 20.230 | ug/l   | 99     |
| 28) Bromochloromethane        | 7.35 | 49  | 26789  | 14.095 | ug/l   | 98     |
| 29) Tetrahydrofuran           | 7.36 | 42  | 74537  | 91.648 | ug/l   | 99     |
| 30) Chloroform                | 7.52 | 83  | 110076 | 18.903 | ug/l   | 99     |
| 31) Cyclohexane               | 7.79 | 56  | 117789 | 19.154 | ug/l   | 96     |
| 32) 1,1,1-Trichloroethane     | 7.71 | 97  | 92346  | 19.204 | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.93 | 75  | 91515  | 19.463 | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.08 | 43  | 48784  | 17.969 | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.91 | 117 | 80896  | 19.319 | ug/l   | 97     |

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 Sample : VY1218SBS01  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleID :  
 VY1218SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 12/19/2019 11:10:52 AM

Quant Time: Dec 19 05:56:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 27 12:40:47 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.19  | 83   | 119763   | 19.225  | ug/l   | 100      |
| 40) Benzene                    | 8.17  | 78   | 280854   | 20.507  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.34  | 41   | 36470m   | 25.487  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.25  | 62   | 67288    | 18.682  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.28  | 43   | 89898    | 17.571  | ug/l   | 97       |
| 44) Trichloroethene            | 8.94  | 130  | 71800    | 20.399  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.22  | 63   | 70866    | 20.600  | ug/l   | 99       |
| 46) Dibromomethane             | 9.31  | 93   | 35420    | 19.706  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.50  | 83   | 82045    | 19.430  | ug/l   | 94       |
| 48) Methyl methacrylate        | 9.30  | 41   | 40199    | 17.868  | ug/l   | 95       |
| 49) 1,4-Dioxane                | 9.30  | 88   | 9891     | 388.362 | ug/l # | 91       |
| 51) 4-Methyl-2-Pentanone       | 10.07 | 43   | 239371   | 90.553  | ug/l   | 99       |
| 52) Toluene                    | 10.24 | 92   | 175882   | 20.741  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.47 | 75   | 88274    | 19.459  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.93  | 75   | 104565   | 19.501  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.64 | 97   | 52942    | 19.936  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.51 | 69   | 70149    | 18.465  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.79 | 76   | 91694    | 19.811  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.78  | 63   | 164474   | 107.374 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.83 | 43   | 163322   | 84.789  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.99 | 129  | 54495    | 19.062  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.09 | 107  | 47709    | 19.063  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.72 | 164  | 75310    | 20.557  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.52 | 112  | 178158   | 20.326  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.59 | 131  | 58579    | 19.832  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.59 | 91   | 326955   | 20.030  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.70 | 106  | 246729   | 40.270  | ug/l   | 99       |
| 69) o-Xylene                   | 12.03 | 106  | 117214   | 20.518  | ug/l   | 95       |
| 70) Styrene                    | 12.04 | 104  | 195482   | 19.984  | ug/l   | 99       |
| 71) Bromoform                  | 12.20 | 173  | 30861    | 18.525  | ug/l # | 96       |
| 73) Isopropylbenzene           | 12.33 | 105  | 311962   | 20.032  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.14 | 43   | 79745    | 18.398  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.58 | 83   | 57088    | 18.605  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75   | 48139m   | 21.724  | ug/l   |          |
| 77) Bromobenzene               | 12.61 | 156  | 67022    | 19.854  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.67 | 91   | 378001   | 19.879  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.75 | 91   | 205034   | 19.518  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.81 | 105  | 258115   | 20.018  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 20967    | 18.586  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.85 | 91   | 217782   | 20.123  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.07 | 119  | 214086   | 19.748  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.12 | 105  | 256854   | 19.911  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.25 | 105  | 315129   | 19.988  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.36 | 119  | 279467   | 20.380  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.36 | 146  | 133969   | 20.231  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.44 | 146  | 135190   | 20.618  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.69 | 91   | 281430   | 20.298  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.95 | 117  | 50785    | 20.104  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 13.74 | 146  | 122785   | 20.613  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.35 | 75   | 8770     | 17.072  | ug/l   | 96       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121819\  
Data File : VY000994.D  
Acq On : 18 Dec 2019 13:04  
Operator : SY/MD  
Sample : VY1218SBSD01  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBSD01

Manual Integrations  
APPROVED

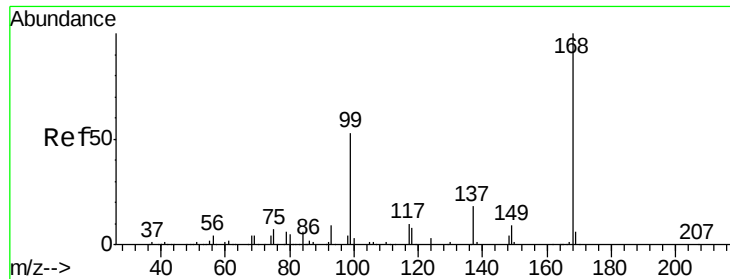
MMDadoda  
12/19/2019 11:10:52 AM

Quant Time: Dec 19 05:56:12 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 27 12:40:47 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.00 | 180  | 84534    | 20.973 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 15.11 | 225  | 43347    | 21.691 | ug/l  | 98       |
| 95) Naphthalene            | 15.23 | 128  | 181204   | 19.361 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.42 | 180  | 74300    | 20.638 | ug/l  | 99       |

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





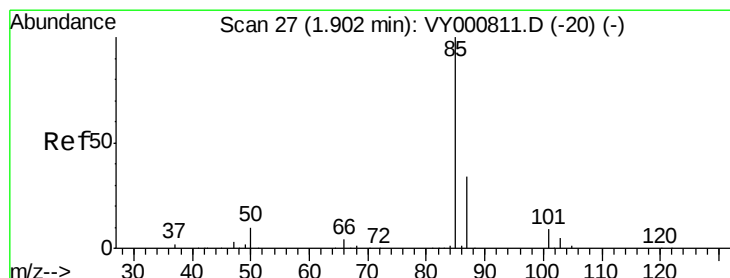
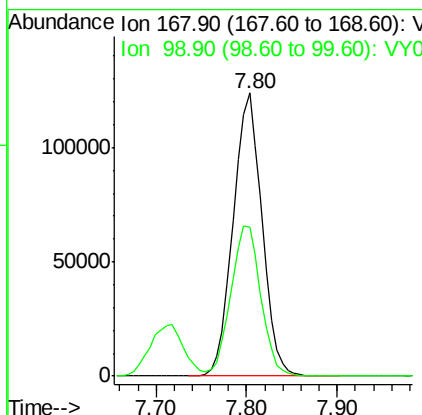
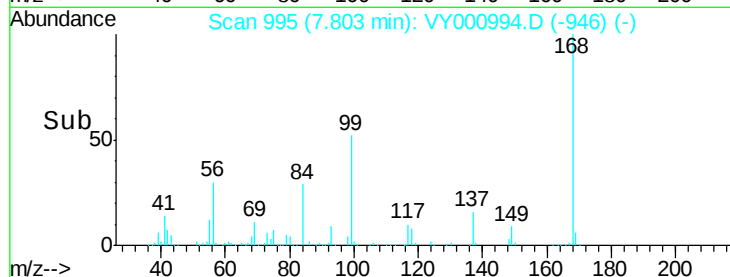
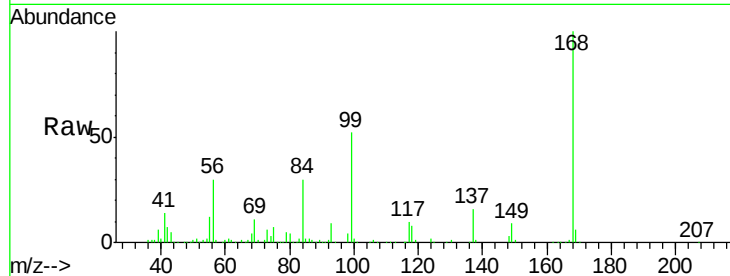
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Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.80 min Scan# 995  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 99      | 52.5  | 45.0  | 67.6  |

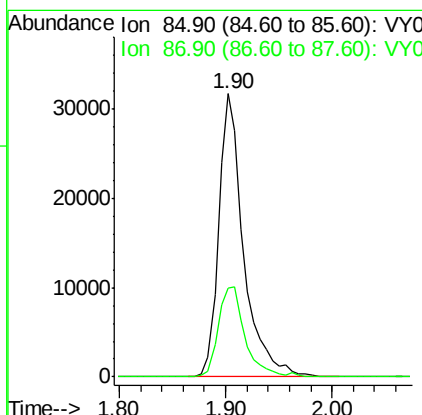
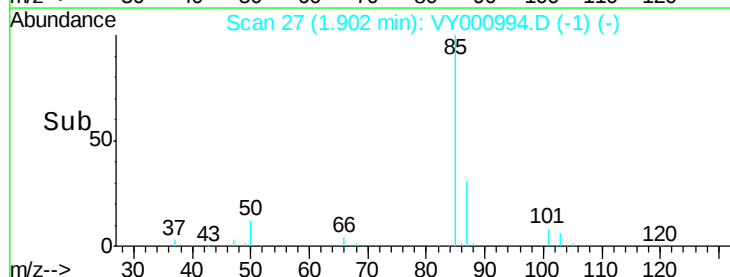
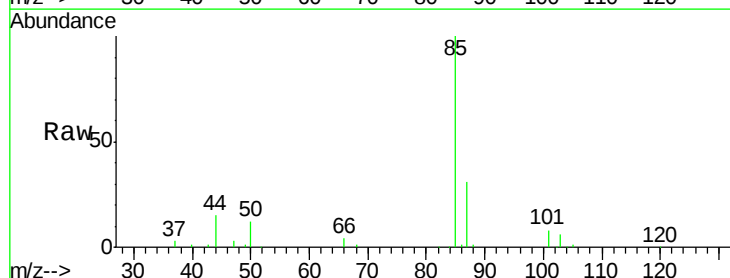
Manual Integrations  
APPROVED

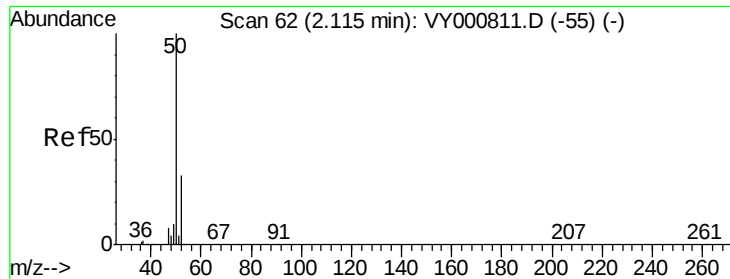
MMDadoda  
12/19/2019 11:10:52 AM



#2  
Dichlorodifluoromethane  
Concen: 17.469 ug/l  
RT: 1.90 min Scan# 27  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 31.3  | 16.8  | 50.3  |





#3

Chloromethane

Concen: 17.984 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

Instrument :

MSVOA\_Y

ClientSampleId :

VY1218SBS01

Tot Ion: 50 Resp: 65046

Ion Ratio Lower Upper

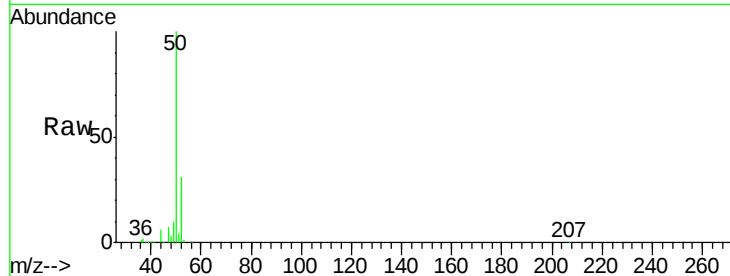
50 100

52 31.0 26.0 39.0

Manual Integrations  
APPROVED

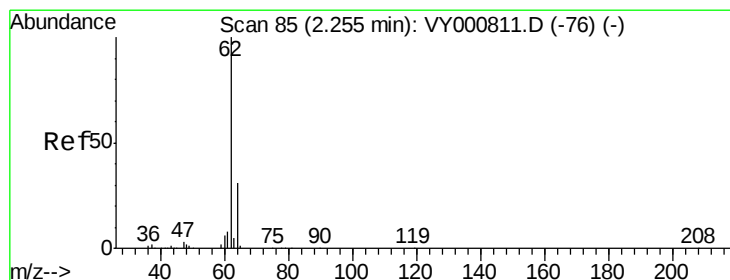
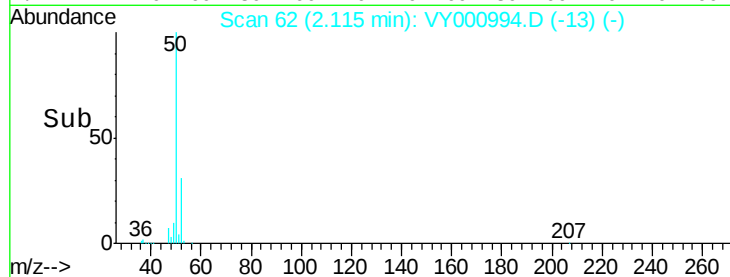
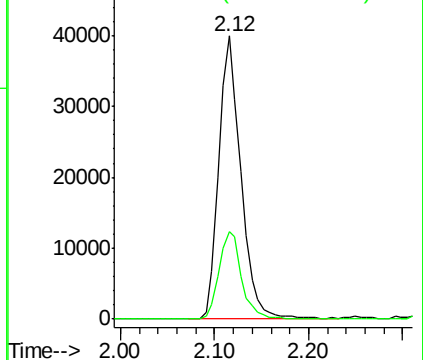
MMDadoda

12/19/2019 11:10:52 AM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 18.091 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VY000994.D

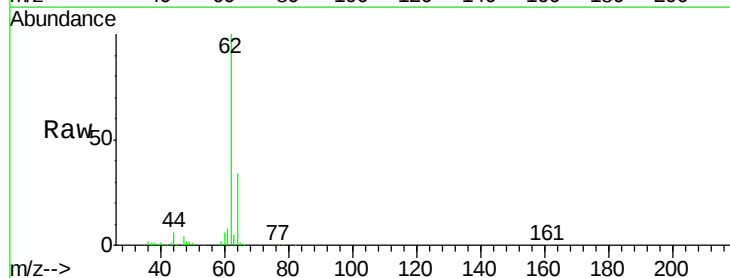
Acq: 18 Dec 2019 13:04

Tgt Ion: 62 Resp: 64487

Ion Ratio Lower Upper

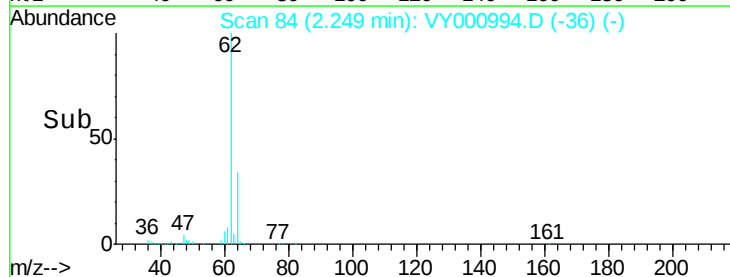
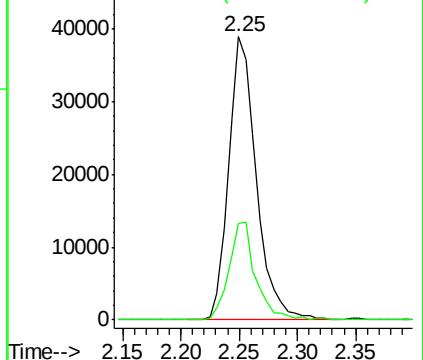
62 100

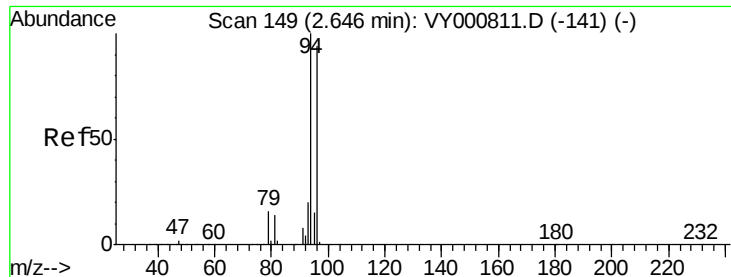
64 34.1 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 18.222 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

Instrument :

MSVOA\_Y

ClientSampleId :

VY1218SBS01

Tot Ion: 94 Resp: 42407

Ion Ratio Lower Upper

94 100

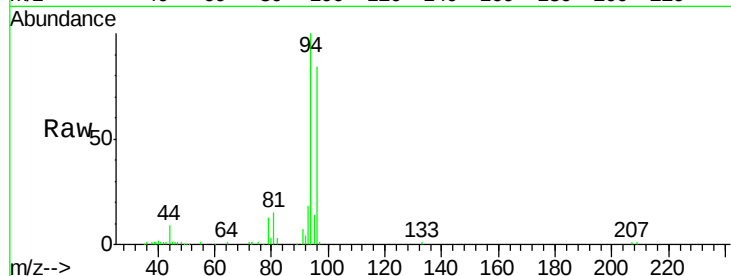
96 84.3 75.2 112.8

Manual Integrations

APPROVED

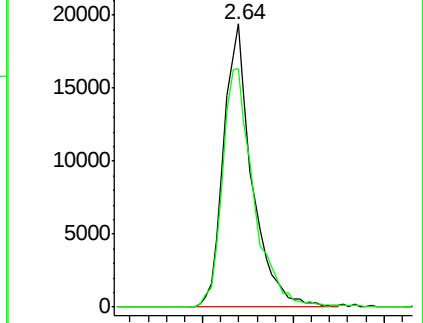
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12/19/2019 11:10:52 AM

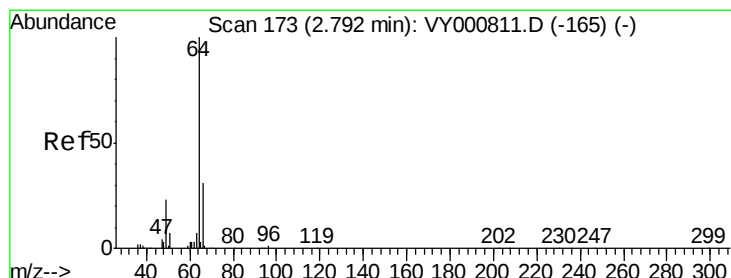
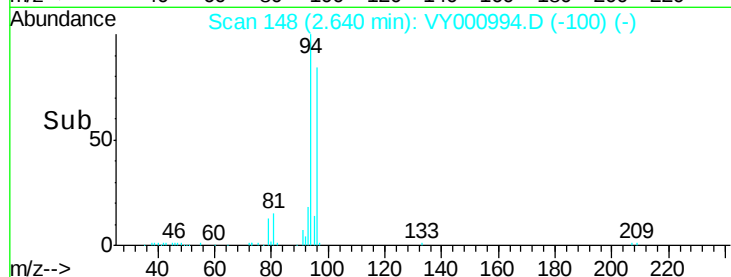


Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



Time-->



#6

Chloroethane

Concen: 19.145 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000994.D

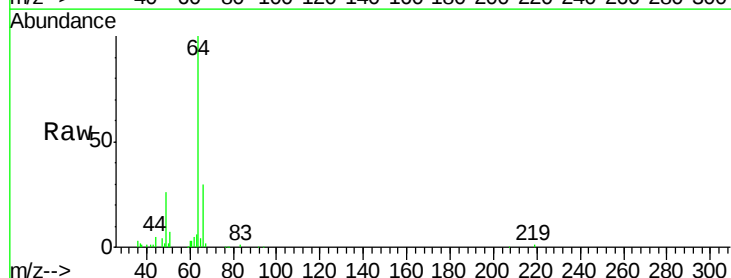
Acq: 18 Dec 2019 13:04

Tgt Ion: 64 Resp: 41841

Ion Ratio Lower Upper

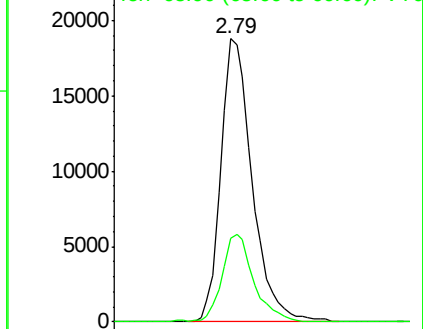
64 100

66 29.6 25.0 37.4

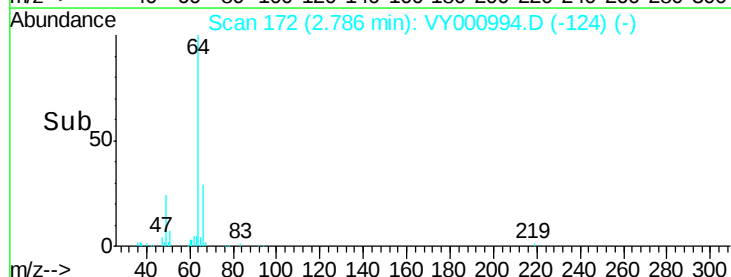


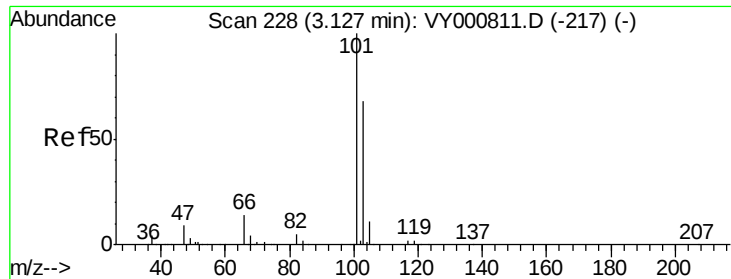
Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



Time-->





#7

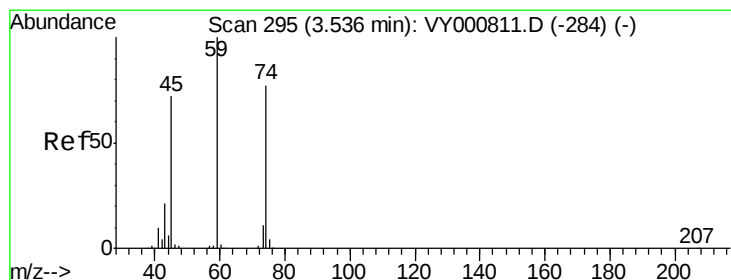
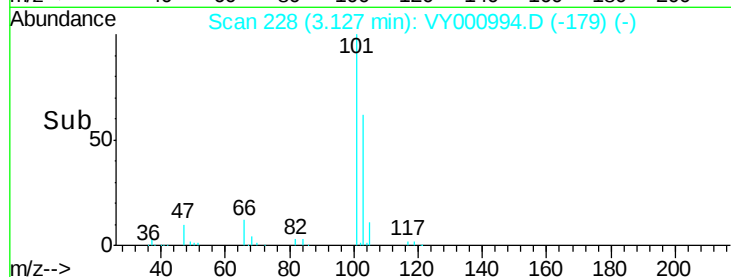
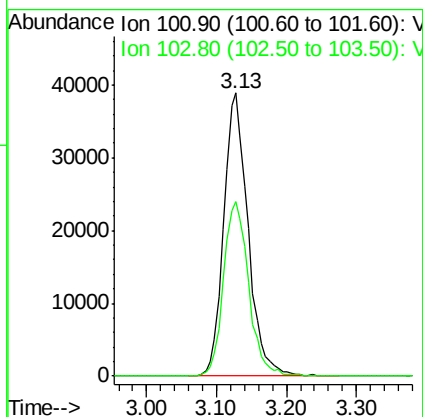
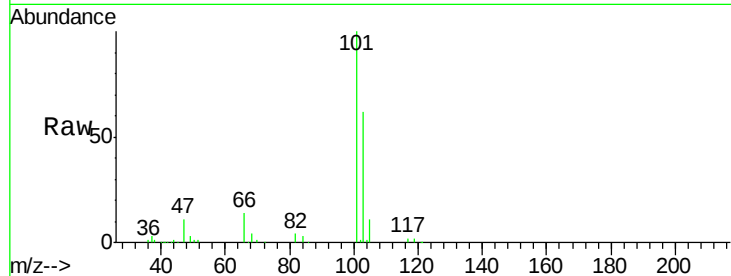
Trichlorofluoromethane  
 Concen: 19.193 ug/l  
 RT: 3.13 min Scan# 228  
 Delta R.T. 0.00 min  
 Lab File: VY000994.D  
 Acq: 18 Dec 2019 13:04

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1218SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 61.5  | 54.2  | 81.2  |

Manual Integrations  
 APPROVED

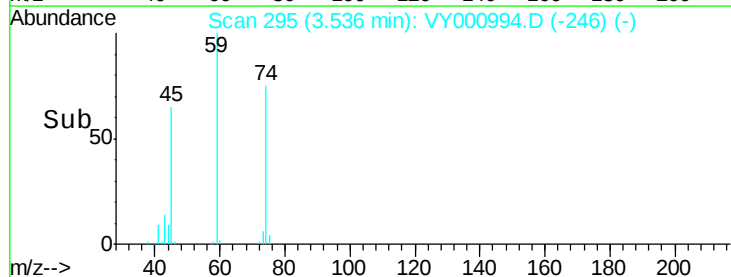
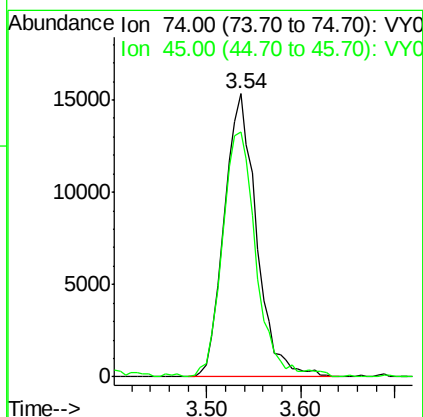
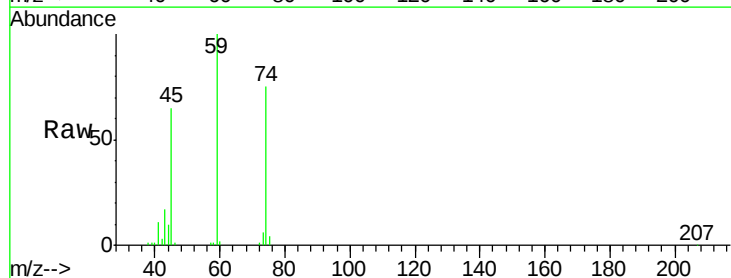
MMDadoda  
 12/19/2019 11:10:52 AM

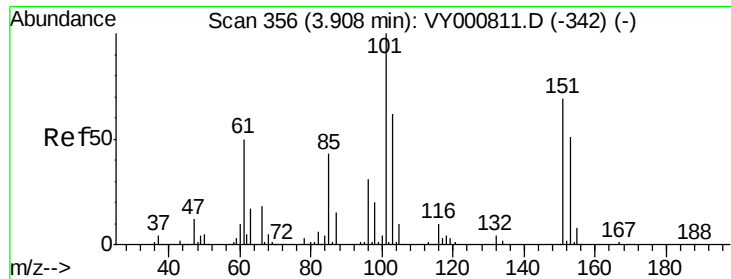


#8

Diethyl Ether  
 Concen: 19.894 ug/l  
 RT: 3.54 min Scan# 295  
 Delta R.T. 0.00 min  
 Lab File: VY000994.D  
 Acq: 18 Dec 2019 13:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 89.0  | 49.0  | 147.0 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.349 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

Instrument :

MSVOA\_Y

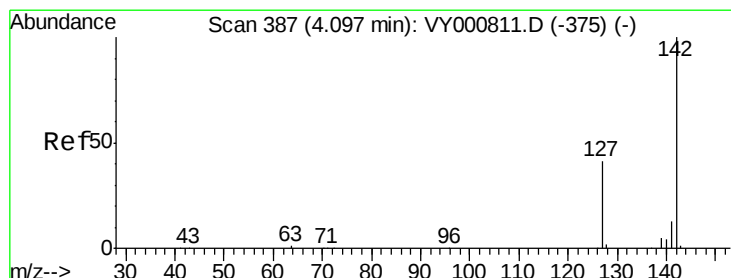
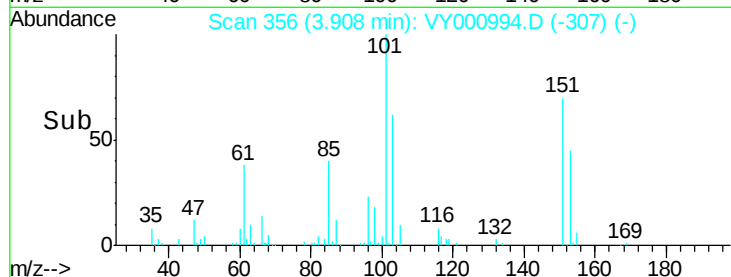
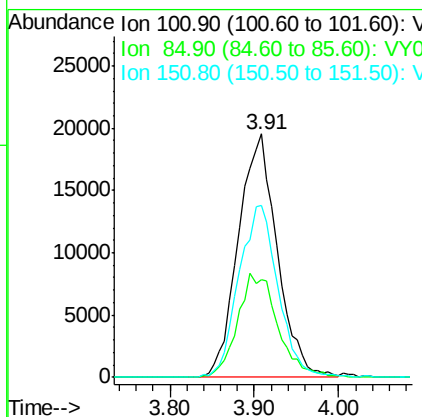
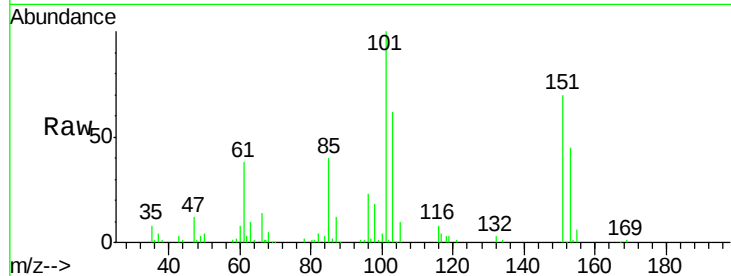
ClientSampleId :

VY1218SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 61386 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.9  | 36.0  | 54.0  |
| 151       | 71.2  | 58.2  | 87.2  |

Manual Integrations  
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MMDadoda  
12/19/2019 11:10:52 AM



#10

Methyl Iodide

Concen: 19.481 ug/l

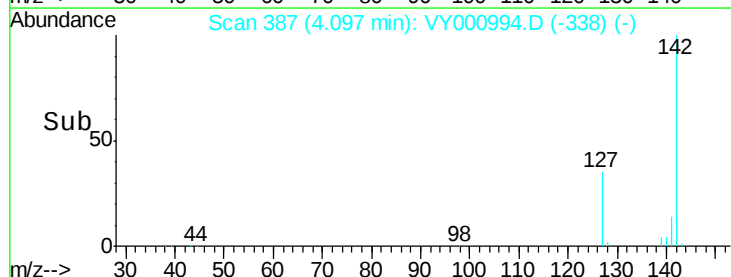
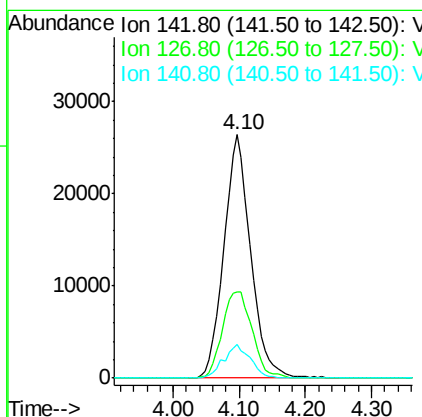
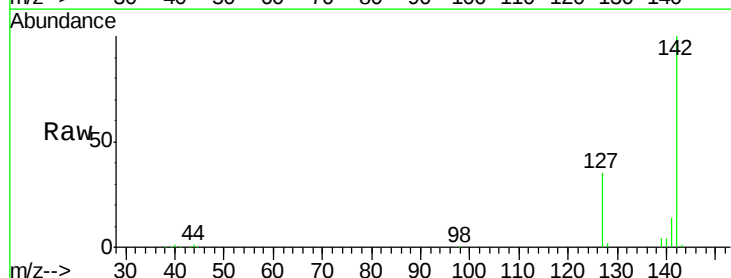
RT: 4.10 min Scan# 387

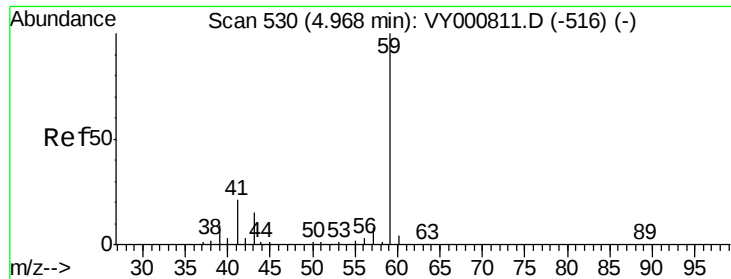
Delta R.T. 0.00 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 73994 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 39.5  | 33.8  | 50.8  |
| 141       | 13.7  | 10.9  | 16.3  |





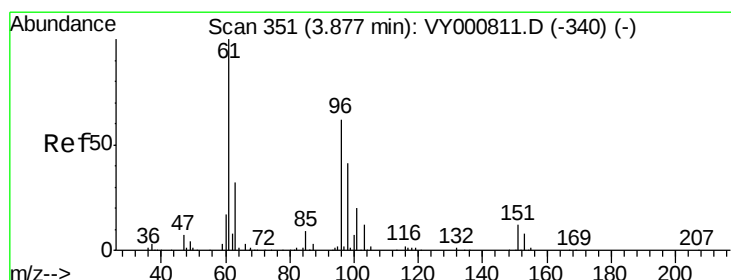
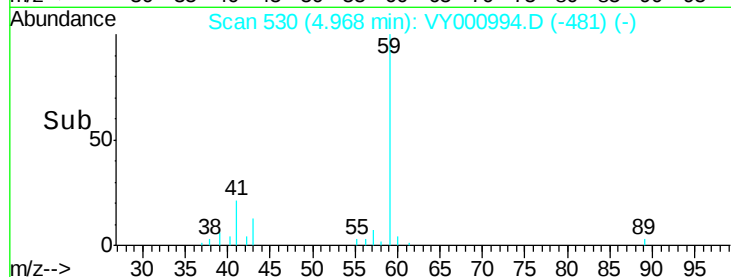
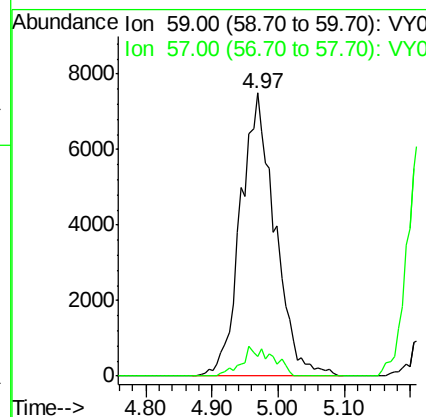
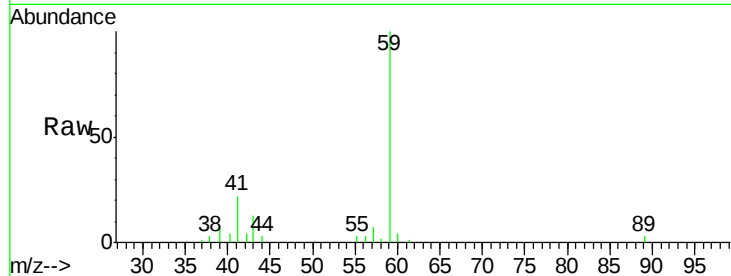
#11  
Tert butyl alcohol  
Concen: 93.096 ug/l  
RT: 4.97 min Scan# 530  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

Tot Ion: 59 Resp: 27127  
Ion Ratio Lower Upper  
59 100  
57 4.6 7.8 11.6#

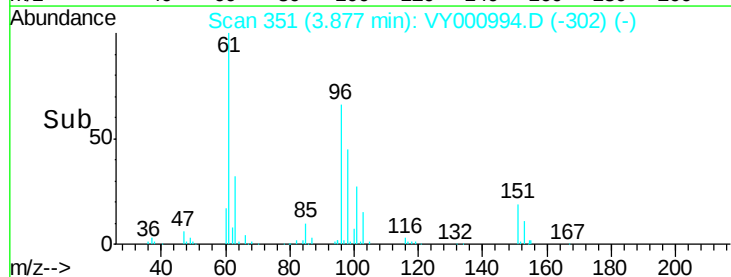
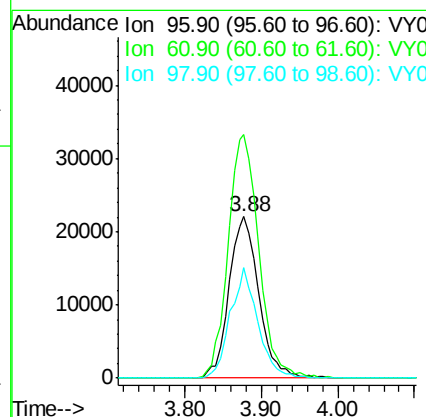
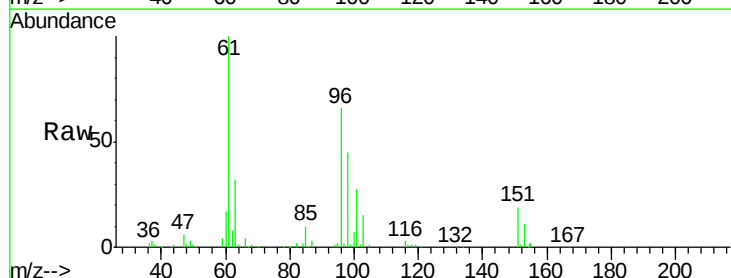
Manual Integrations  
APPROVED

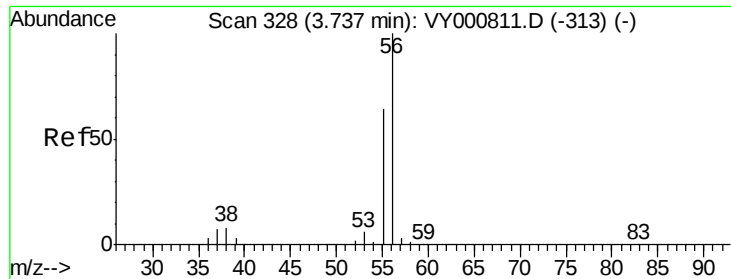
MMDadoda  
12/19/2019 11:10:52 AM



#12  
1,1-Dichloroethene  
Concen: 19.896 ug/l  
RT: 3.88 min Scan# 351  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Tgt Ion: 96 Resp: 59461  
Ion Ratio Lower Upper  
96 100  
61 151.0 129.4 194.2  
98 68.3 53.4 80.0





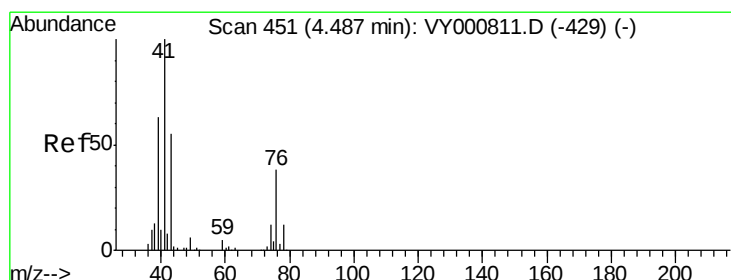
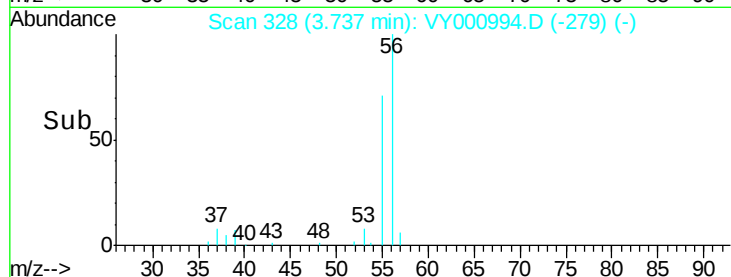
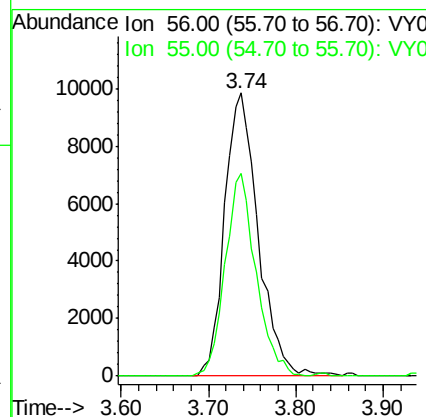
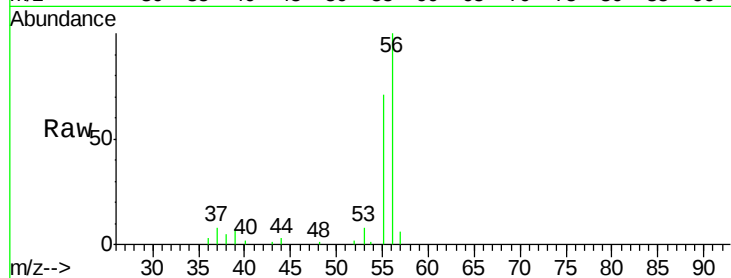
#13  
Acrolein  
Concen: 91.288 ug/l  
RT: 3.74 min Scan# 328  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

Tot Ion: 56 Resp: 26203  
Ion Ratio Lower Upper  
56 100  
55 65.6 55.7 83.5

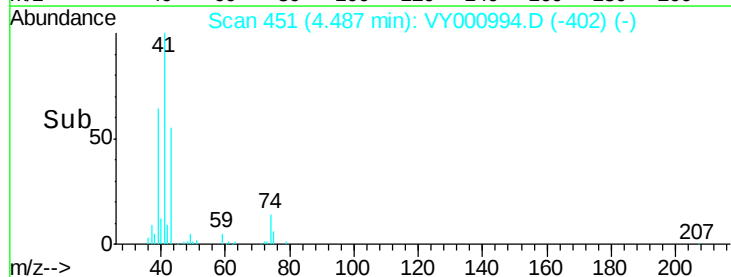
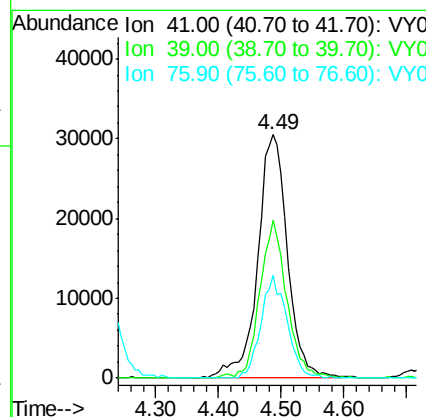
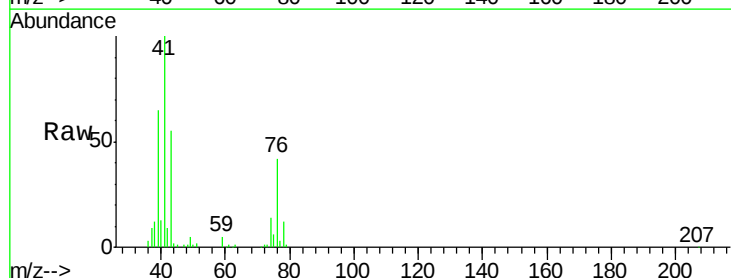
Manual Integrations  
APPROVED

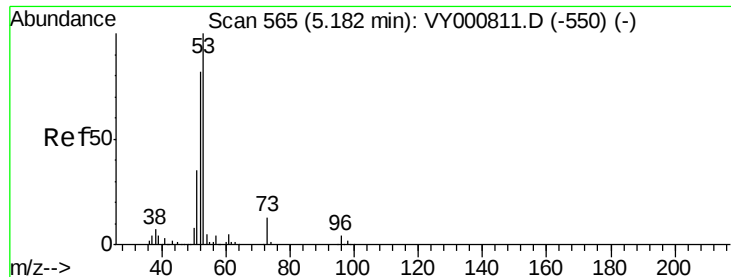
MMDadoda  
12/19/2019 11:10:52 AM



#14  
Allyl chloride  
Concen: 19.551 ug/l  
RT: 4.49 min Scan# 451  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Tgt Ion: 41 Resp: 100189  
Ion Ratio Lower Upper  
41 100  
39 57.7 49.2 73.8  
76 37.0 29.2 43.8





#15

Acrylonitrile

Concen: 94.630 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

Instrument :

MSVOA\_Y

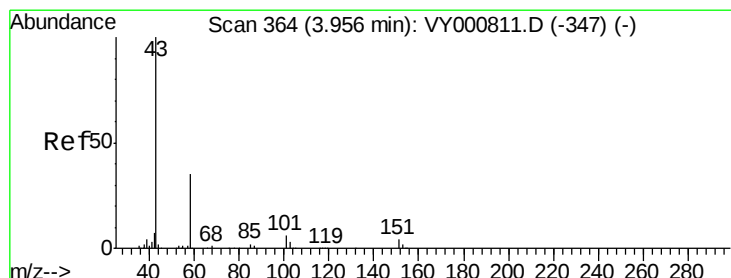
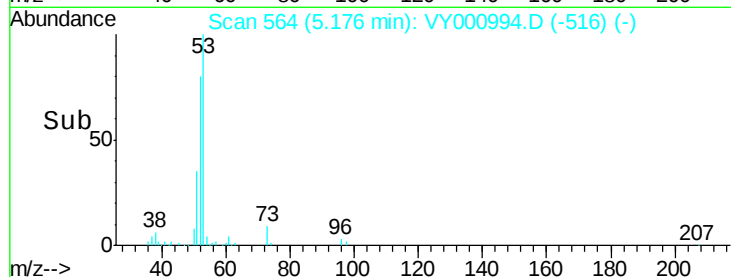
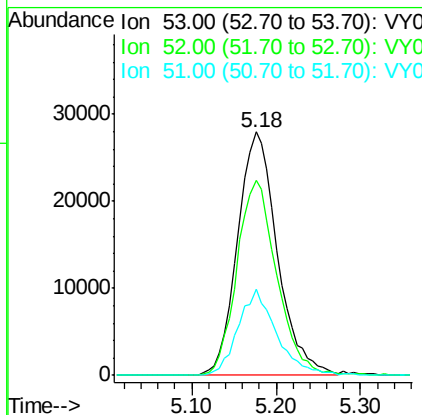
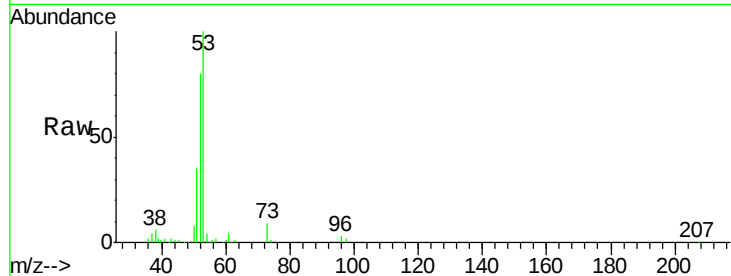
ClientSampleId :

VY1218SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 53    | Resp: | 89843 |
| Ion Ratio | Lower | Upper |       |
| 53        | 100   |       |       |
| 52        | 80.0  | 65.1  | 97.7  |
| 51        | 34.3  | 29.0  | 43.4  |

Manual Integrations  
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12/19/2019 11:10:52 AM



#16

Acetone

Concen: 97.329 ug/l

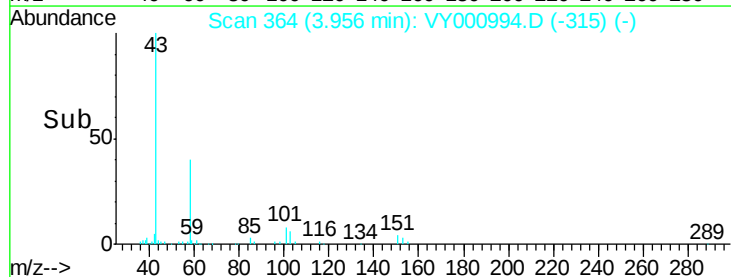
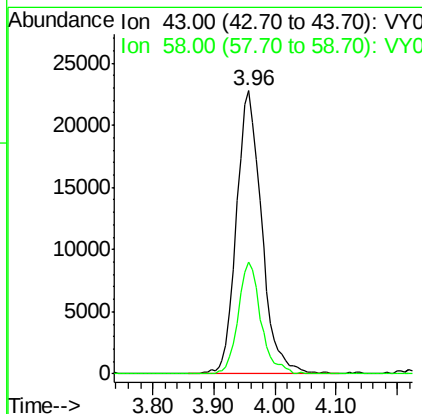
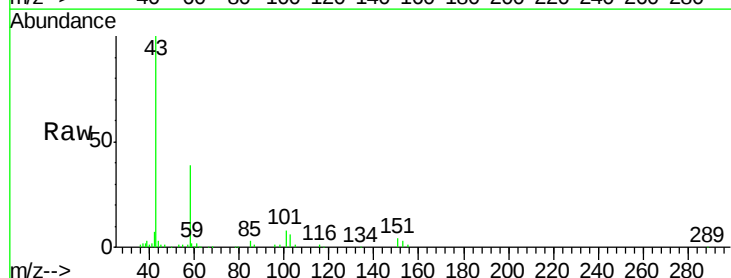
RT: 3.96 min Scan# 364

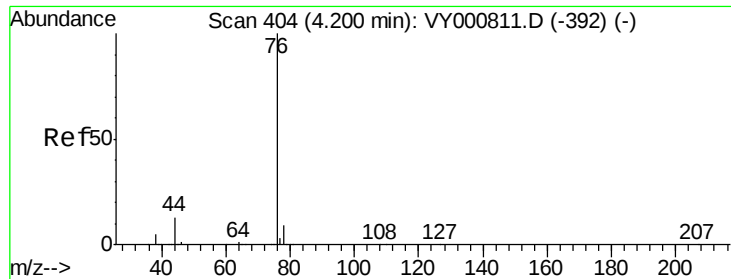
Delta R.T. 0.00 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 64666 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 39.3  | 28.0  | 42.0  |





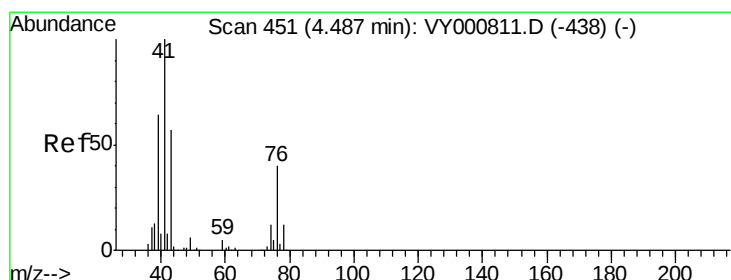
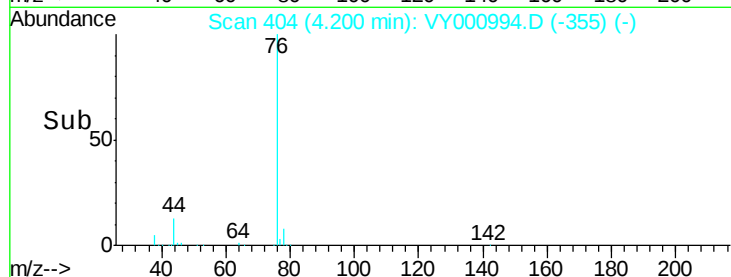
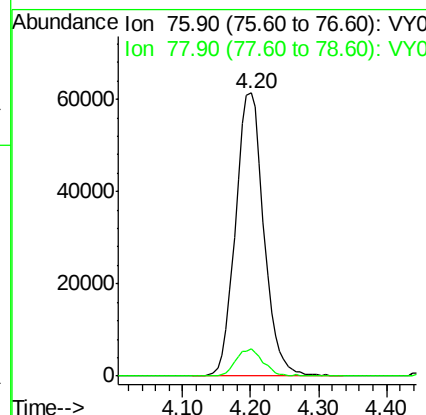
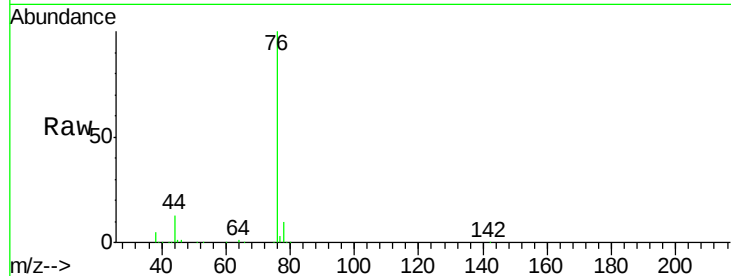
#17  
Carbon Disulfide  
Concen: 18.352 ug/l  
RT: 4.20 min Scan# 404  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.6   | 7.3   | 10.9  |

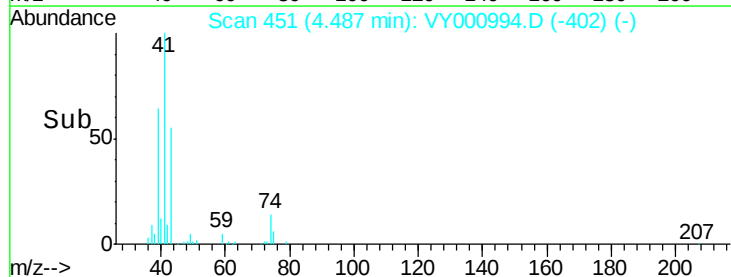
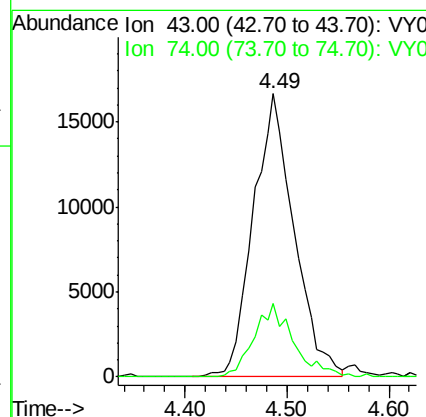
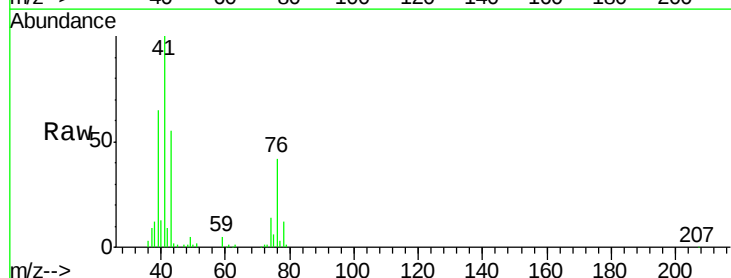
Manual Integrations  
APPROVED

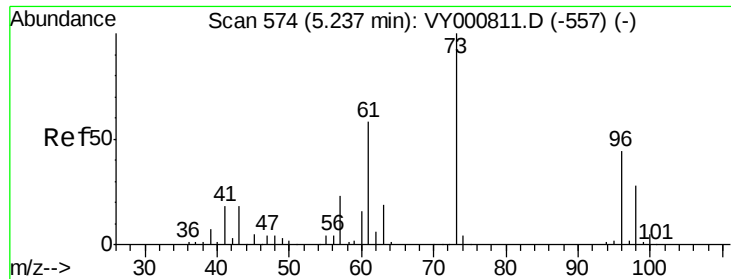
MMDadoda  
12/19/2019 11:10:52 AM



#18  
Methyl Acetate  
Concen: 16.644 ug/l  
RT: 4.49 min Scan# 451  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 25.0  | 18.5  | 27.7  |





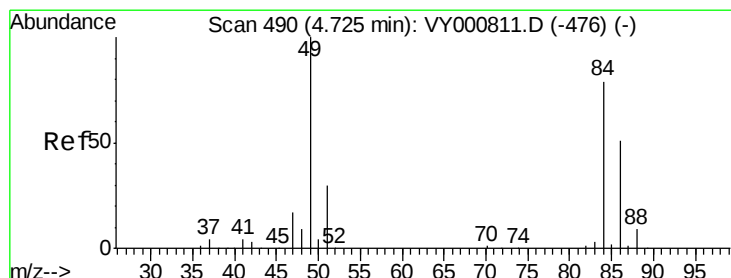
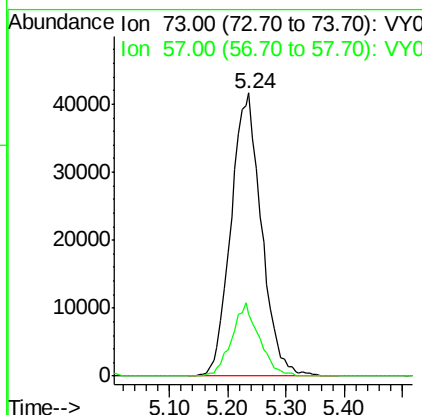
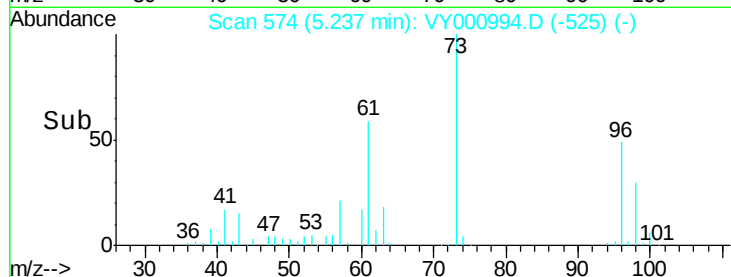
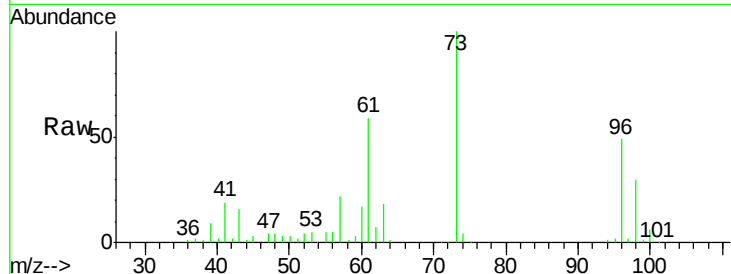
#19  
Methvl tert-butvl Ether  
Concen: 18.967 ug/l  
RT: 5.24 min Scan# 574  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

Tot Ion: 73 Resp: 151386  
Ion Ratio Lower Upper  
73 100  
57 22.1 18.2 27.4

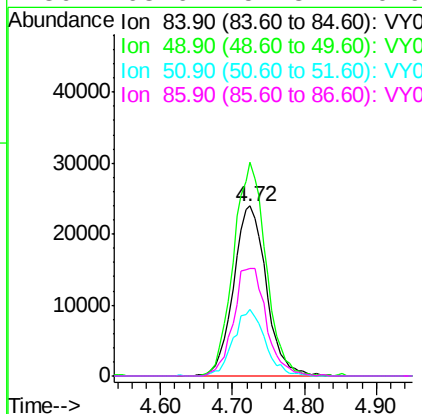
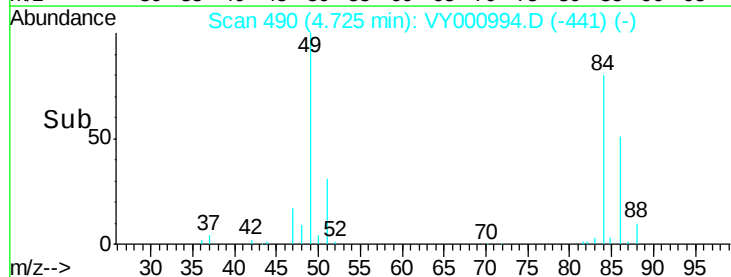
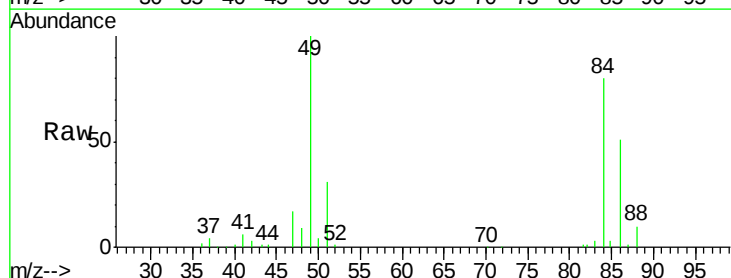
Manual Integrations  
APPROVED

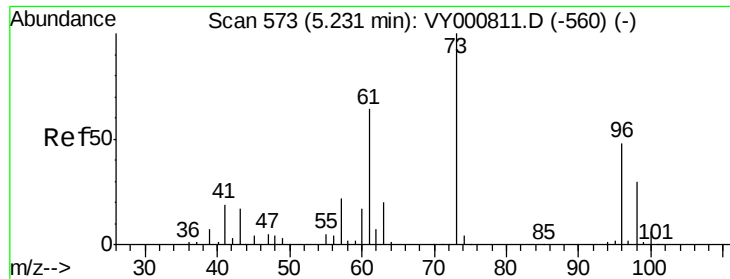
MMDadoda  
12/19/2019 11:10:52 AM



#20  
Methylene Chloride  
Concen: 21.592 ug/l  
RT: 4.72 min Scan# 490  
Delta R.T. -0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Tgt Ion: 84 Resp: 75620  
Ion Ratio Lower Upper  
84 100  
49 125.5 101.3 151.9  
51 39.3 30.6 45.8  
86 63.6 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 20.057 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.00 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

Instrument :

MSVOA\_Y

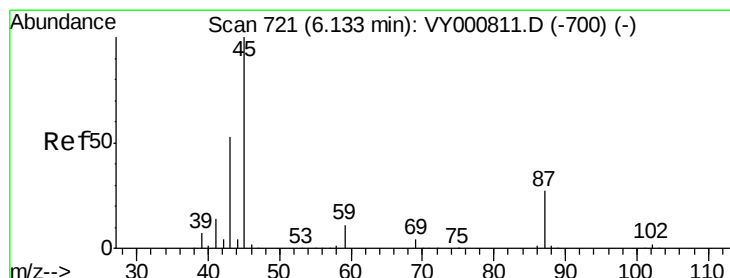
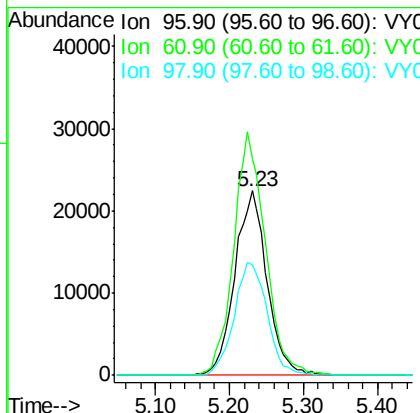
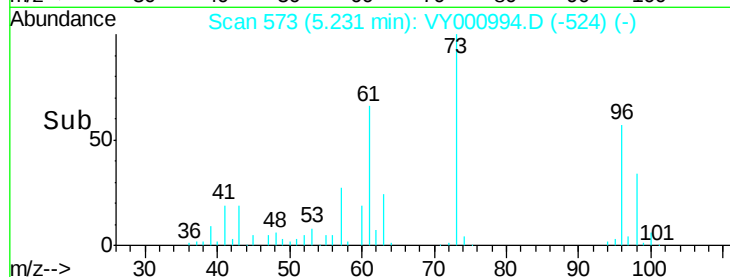
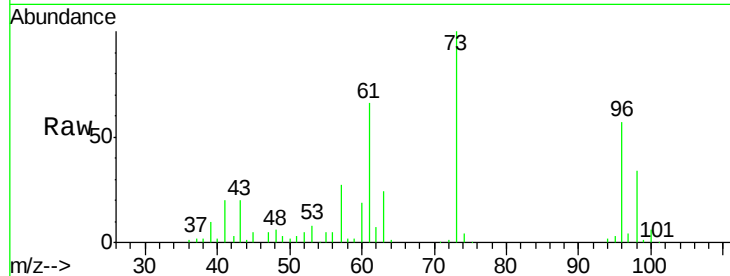
ClientSampleId :

VY1218SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 68131 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 117.4 | 105.9 | 158.9 |
| 98       | 60.0  | 49.4  | 74.2  |

Manual Integrations  
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MMDadoda  
12/19/2019 11:10:52 AM



#22

Diisopropyl ether

Concen: 19.524 ug/l

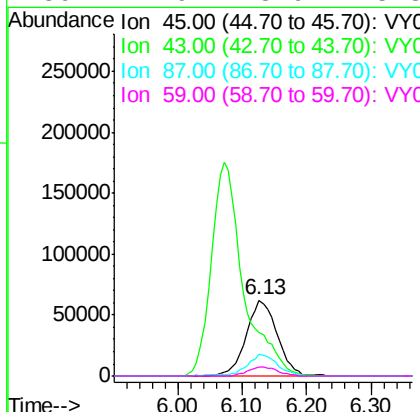
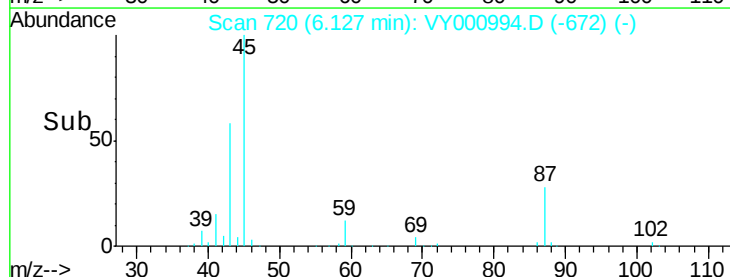
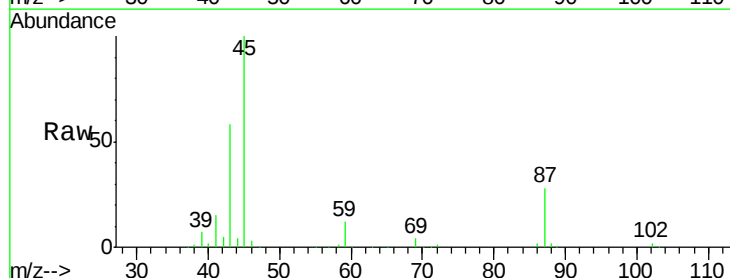
RT: 6.13 min Scan# 720

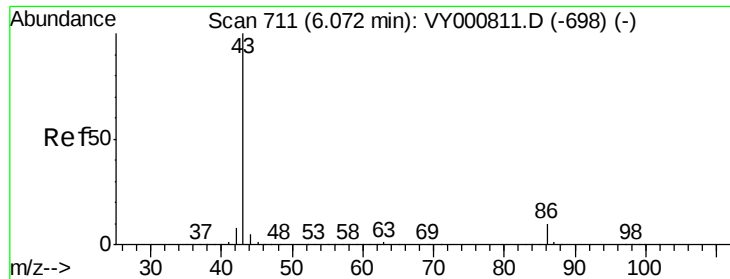
Delta R.T. -0.01 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 205629 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 57.5  | 42.7  | 64.1   |
| 87       | 28.2  | 22.0  | 33.0   |
| 59       | 11.9  | 8.9   | 13.3   |





#23

Vinyl Acetate

Concen: 95.315 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

Instrument :

MSVOA\_Y

ClientSampleId :

VY1218SBS01

Tot Ion: 43 Resp: 610292

Ion Ratio Lower Upper

43 100

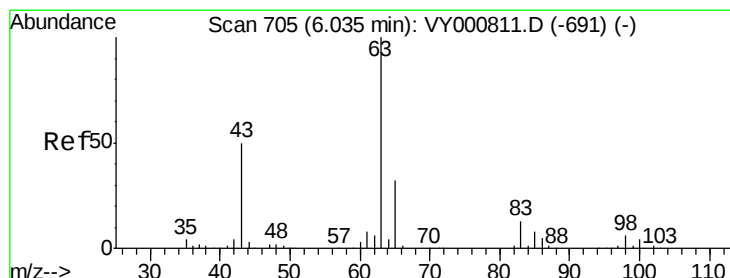
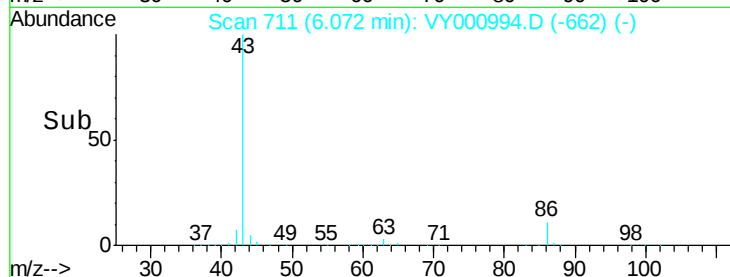
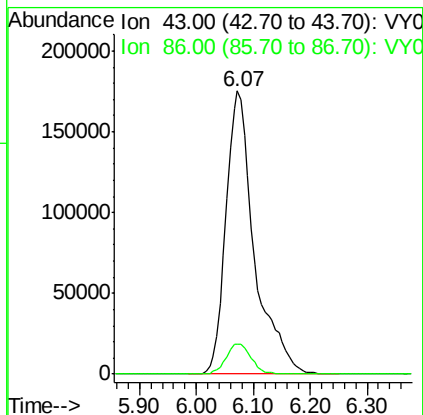
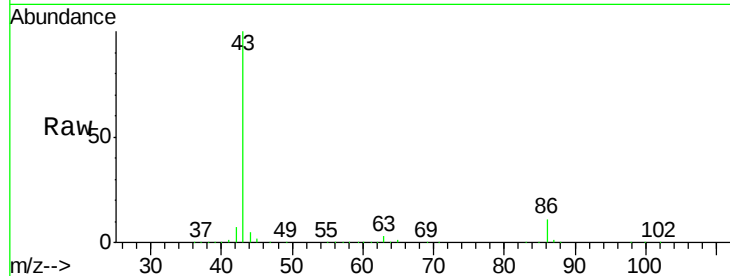
86 10.7 8.3 12.5

Manual Integrations

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MMDadoda

12/19/2019 11:10:52 AM



#24

1,1-Dichloroethane

Concen: 20.215 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

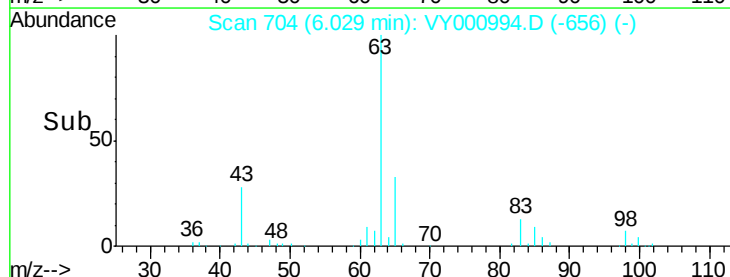
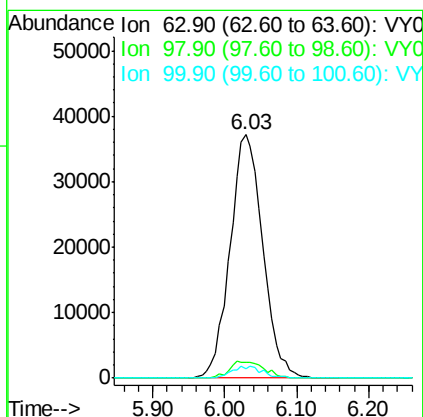
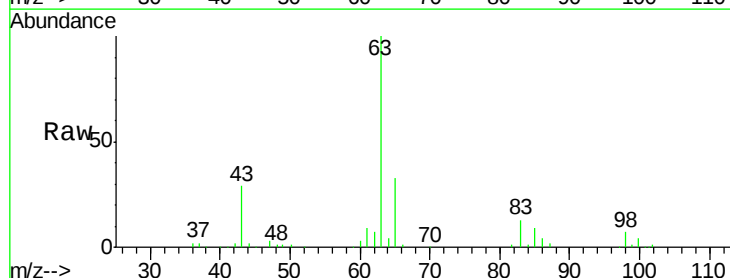
Tgt Ion: 63 Resp: 117346

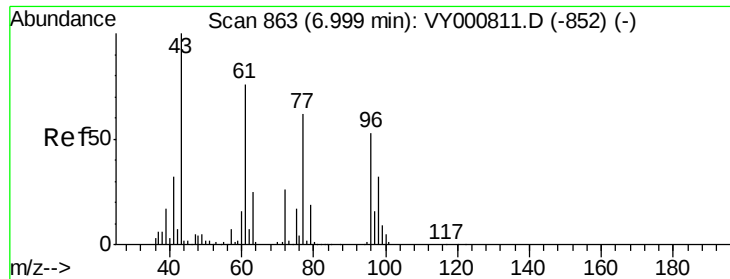
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.1 2.2 6.6





#25

2-Butanone

Concen: 86.827 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

Instrument :

MSVOA\_Y

ClientSampleId :

VY1218SBS01

Tot Ion: 43 Resp: 106566

Ion Ratio Lower Upper

43 100

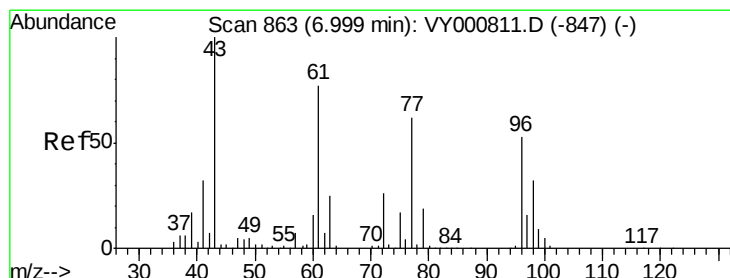
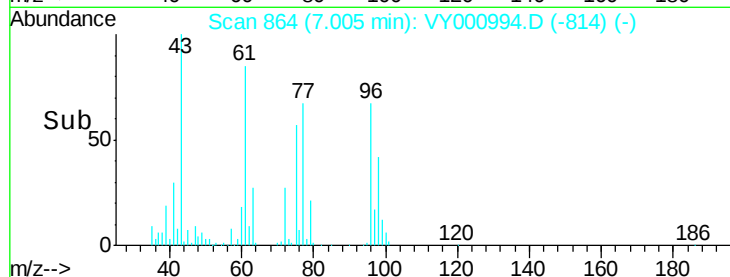
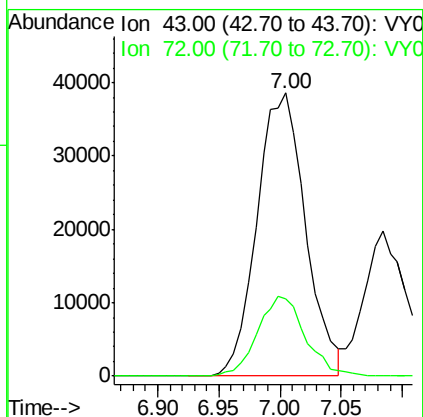
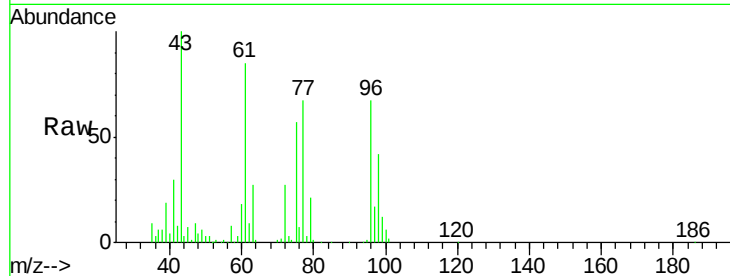
72 27.2 21.0 31.4

Manual Integrations

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MMDadoda

12/19/2019 11:10:52 AM



#26

2,2-Dichloropropane

Concen: 19.319 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY000994.D

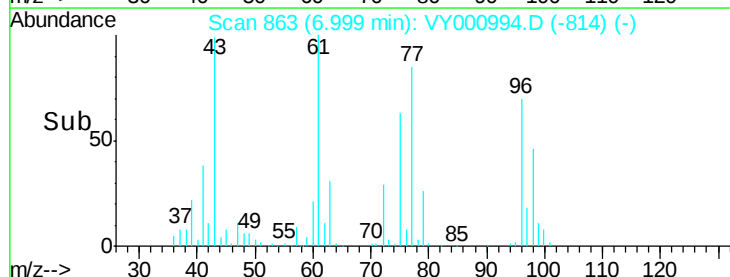
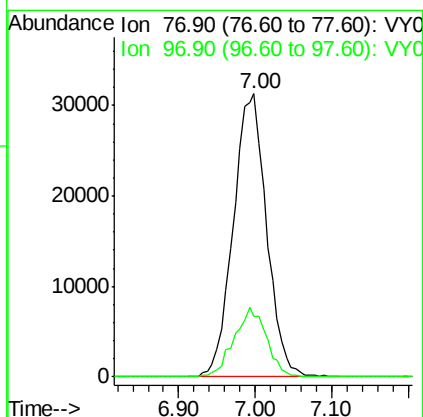
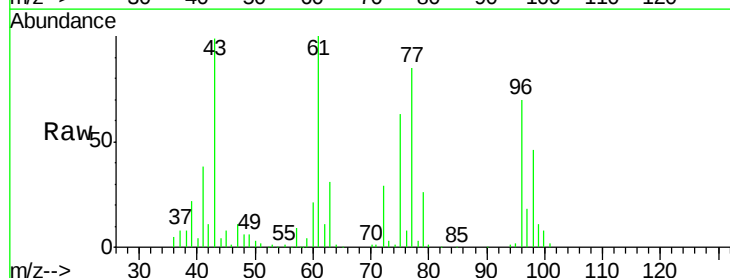
Acq: 18 Dec 2019 13:04

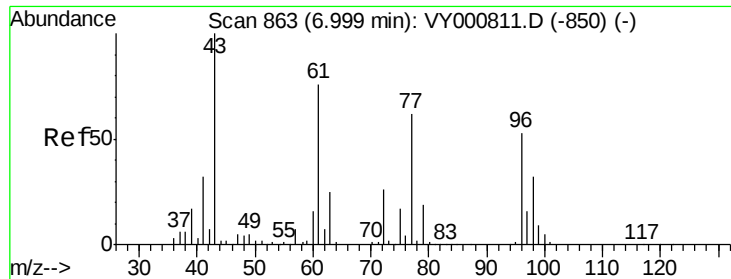
Tgt Ion: 77 Resp: 94387

Ion Ratio Lower Upper

77 100

97 23.9 11.9 35.9





#27

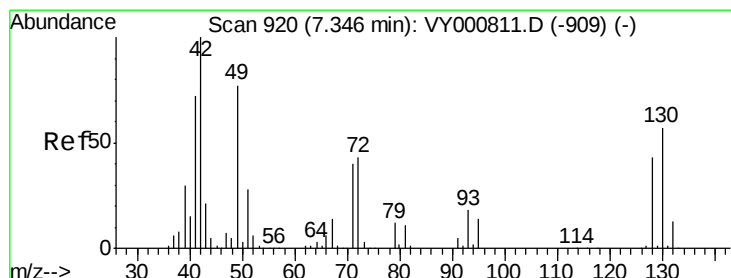
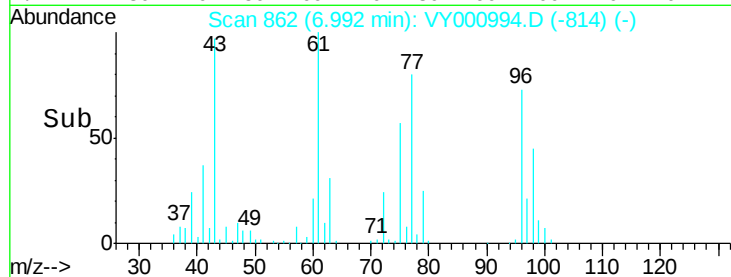
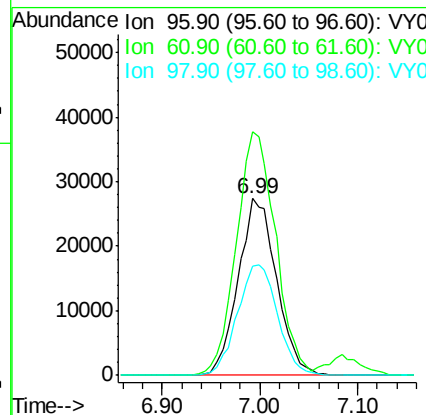
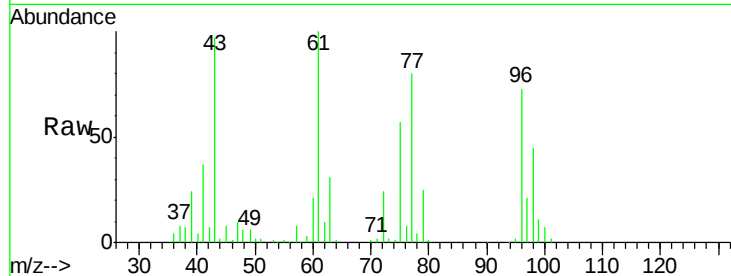
cis-1,2-Dichloroethene  
Concen: 20.230 ug/l  
RT: 6.99 min Scan# 862  
Delta R.T. -0.01 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 141.1 | 0.0   | 285.0 |
| 98      | 65.5  | 0.0   | 128.0 |

Manual Integrations  
APPROVED

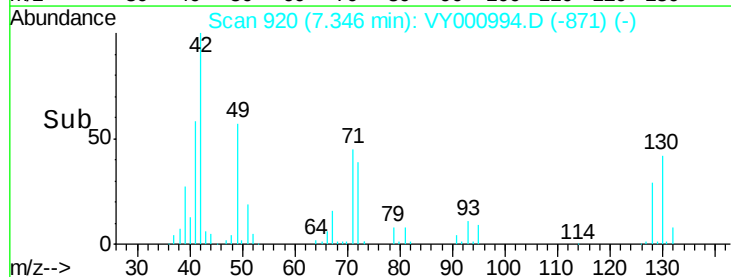
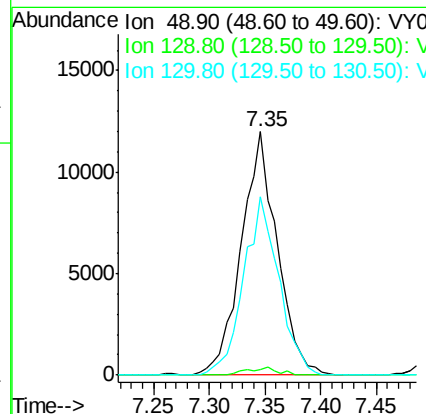
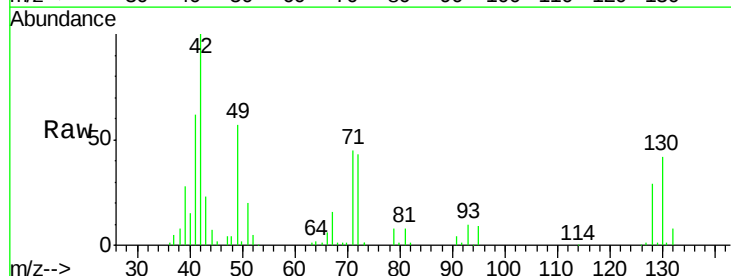
MMDadoda  
12/19/2019 11:10:52 AM

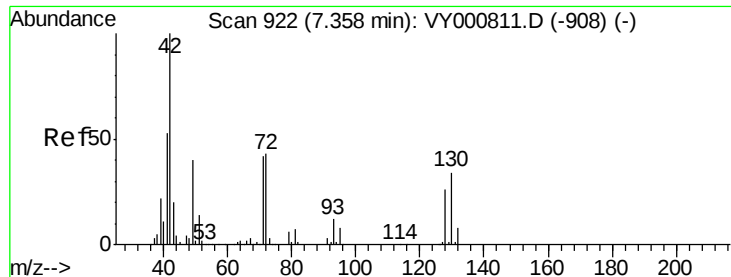


#28

Bromochloromethane  
Concen: 14.095 ug/l  
RT: 7.35 min Scan# 920  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.7   | 0.0   | 3.8   |
| 130     | 71.7  | 58.7  | 88.1  |





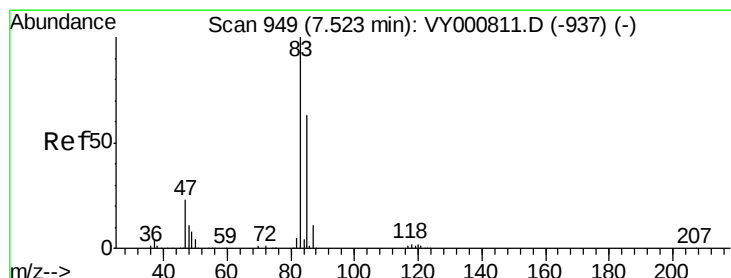
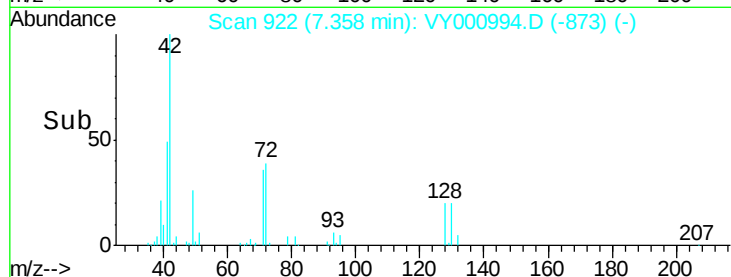
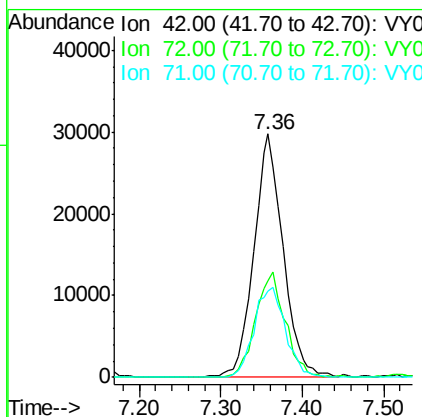
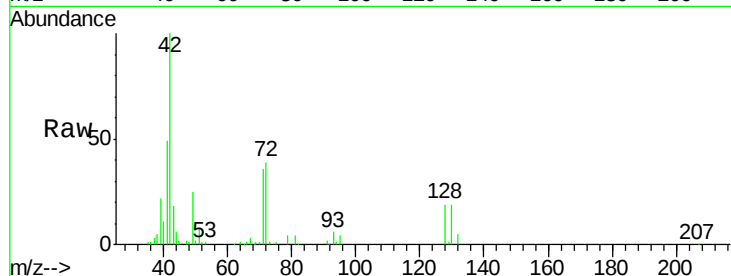
#29  
Tetrahydrofuran  
Concen: 91.648 ug/l  
RT: 7.36 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.7  | 35.1  | 52.7  |
| 71      | 39.5  | 32.8  | 49.2  |

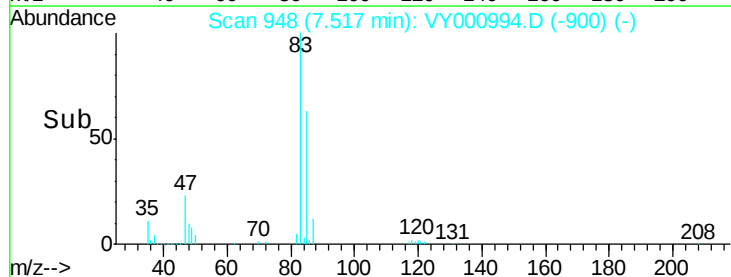
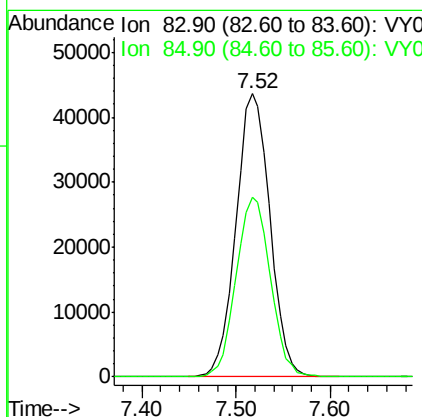
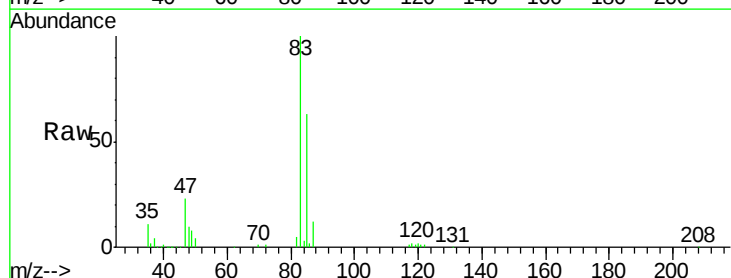
Manual Integrations  
APPROVED

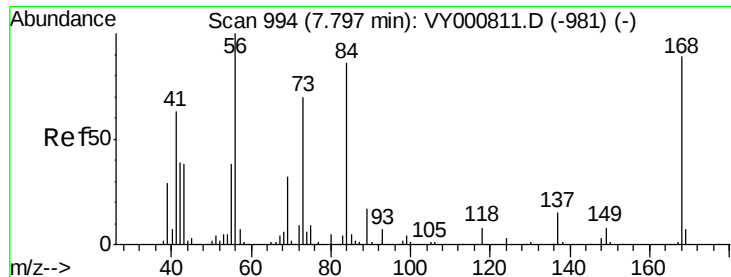
MMDadoda  
12/19/2019 11:10:52 AM



#30  
Chloroform  
Concen: 18.903 ug/l  
RT: 7.52 min Scan# 948  
Delta R.T. -0.01 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.5  | 50.4  | 75.6  |





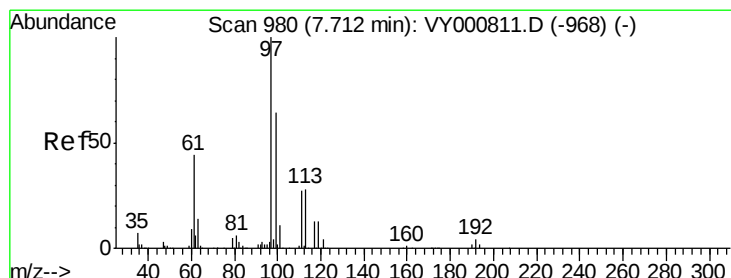
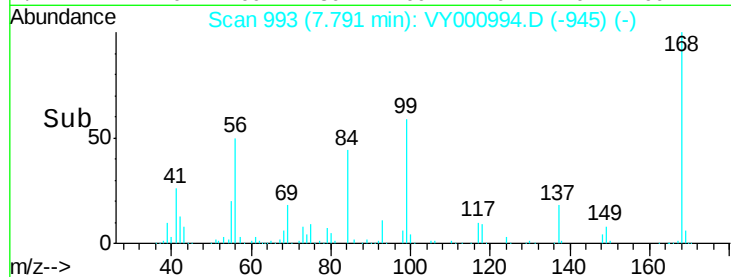
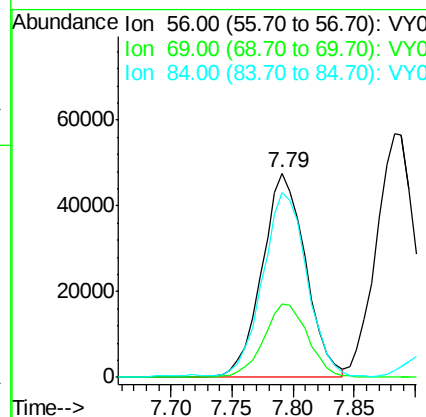
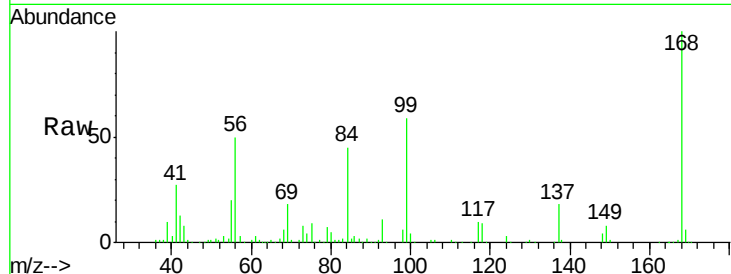
#31  
Cyclohexane  
Concen: 19.154 ug/l  
RT: 7.79 min Scan# 993  
Delta R.T. -0.01 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 35.8  | 25.9  | 38.9  |
| 84      | 88.9  | 68.6  | 102.8 |

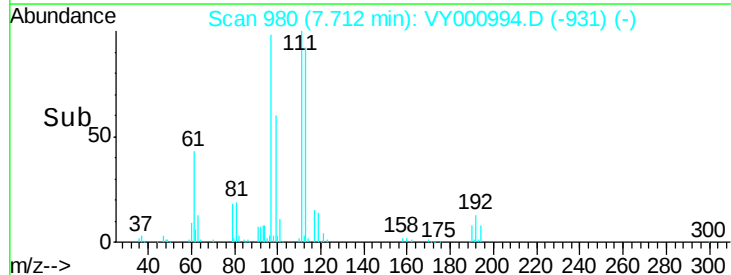
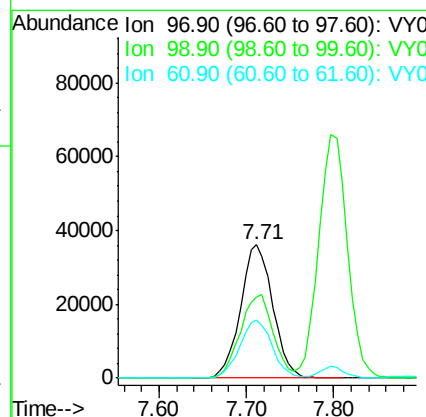
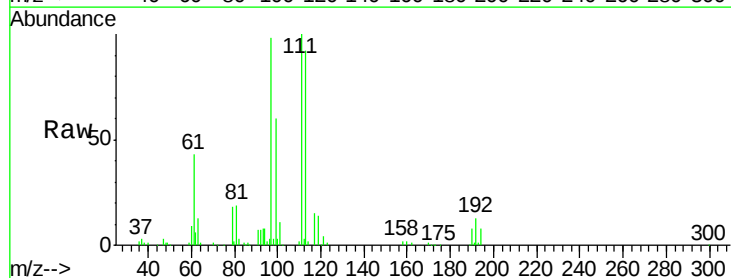
Manual Integrations  
APPROVED

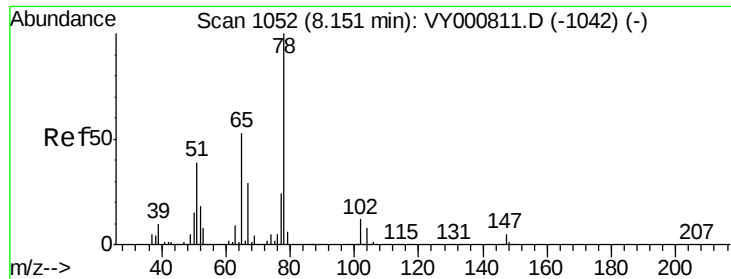
MMDadoda  
12/19/2019 11:10:52 AM



#32  
1,1,1-Trichloroethane  
Concen: 19.204 ug/l  
RT: 7.71 min Scan# 980  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.0  | 51.7  | 77.5  |
| 61      | 43.6  | 35.0  | 52.6  |





#33

1,2-Dichloroethane-d4

Concen: 51.139 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

Instrument :

MSVOA\_Y

ClientSampleId :

VY1218SBS01

Tot Ion: 65 Resp: 148114

Ion Ratio Lower Upper

65 100

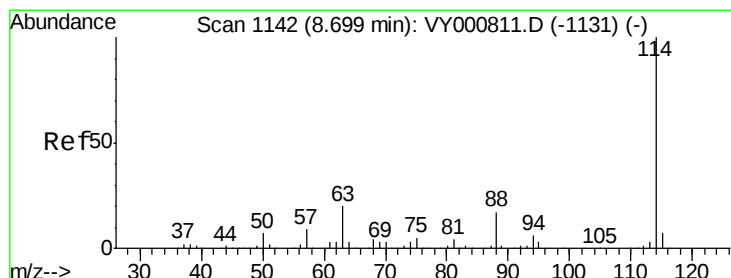
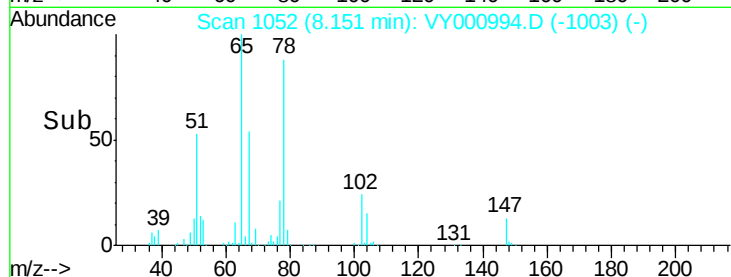
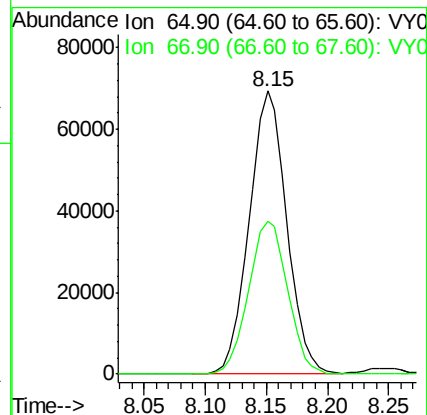
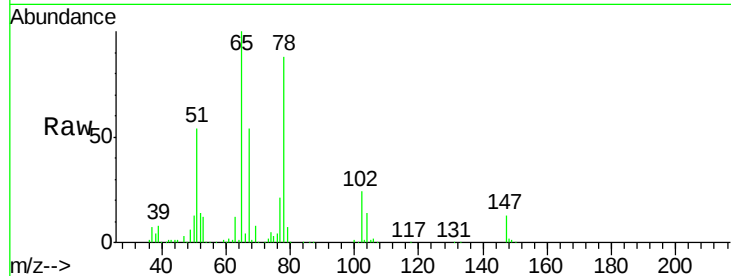
67 56.2 0.0 112.0

Manual Integrations

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MMDadoda

12/19/2019 11:10:52 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

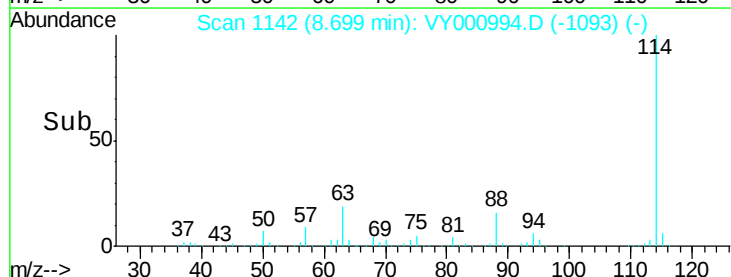
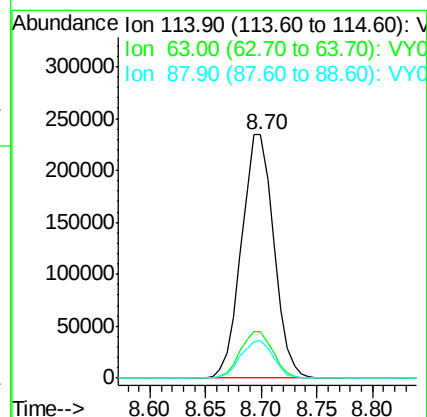
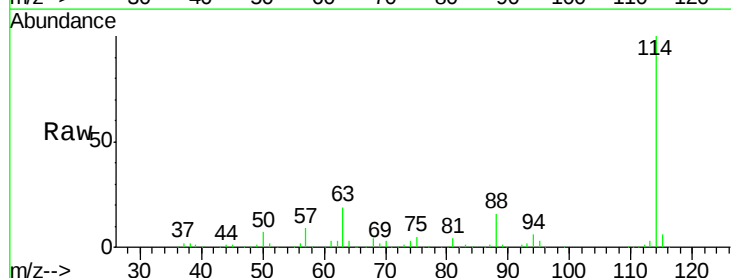
Tgt Ion: 114 Resp: 472885

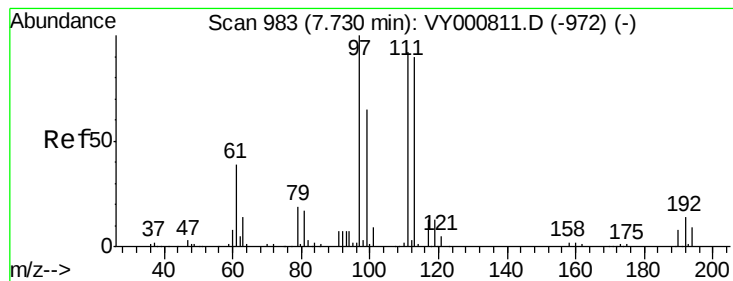
Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.8

88 15.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 53.519 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

Instrument :

MSVOA\_Y

ClientSampleId :

VY1218SBS01

Tot Ion:113 Resp: 147498

Ion Ratio Lower Upper

113 100

111 103.1 82.4 123.6

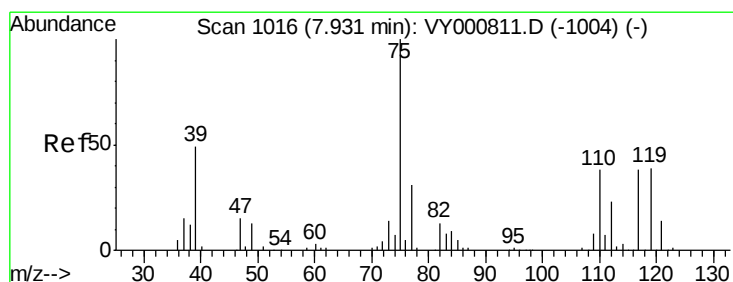
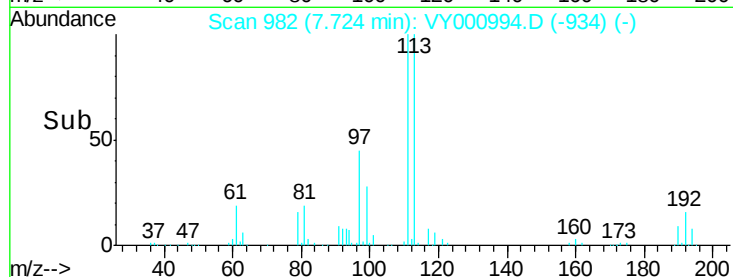
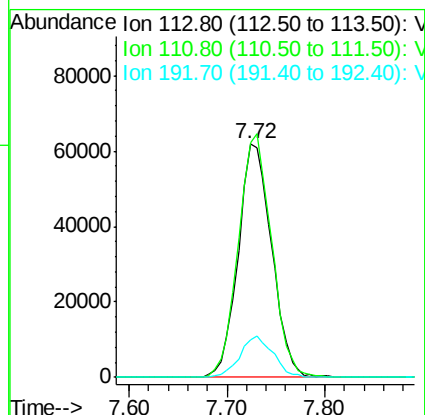
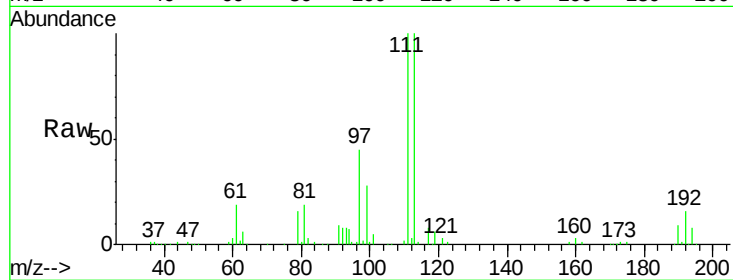
192 17.4 14.2 21.2

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 19.463 ug/l

RT: 7.93 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

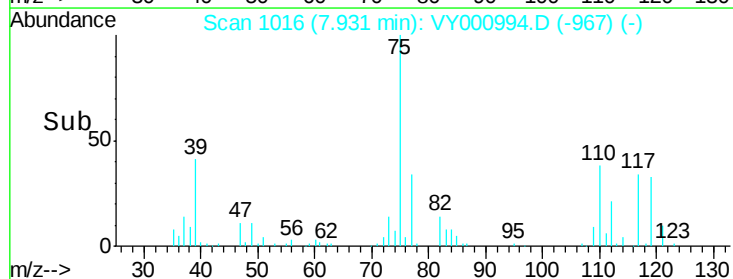
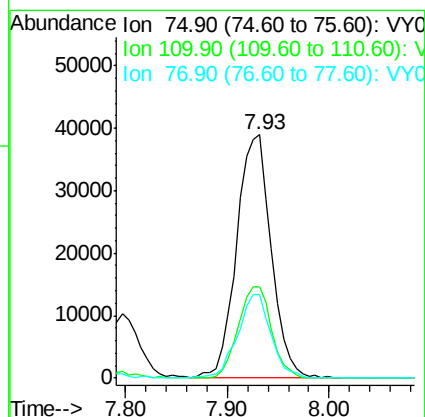
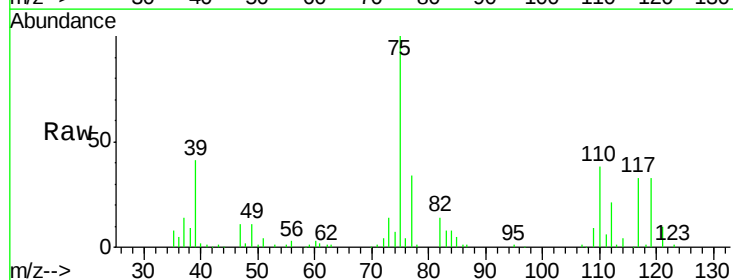
Tgt Ion: 75 Resp: 91515

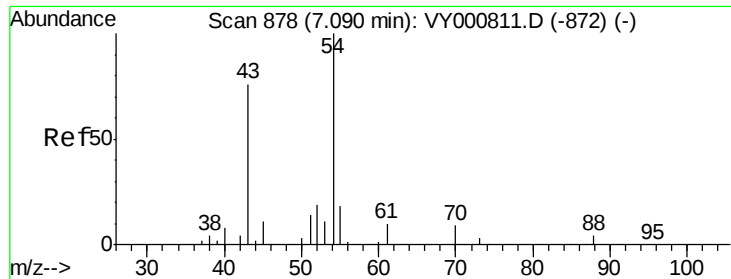
Ion Ratio Lower Upper

75 100

110 36.0 17.9 53.7

77 33.4 24.7 37.1





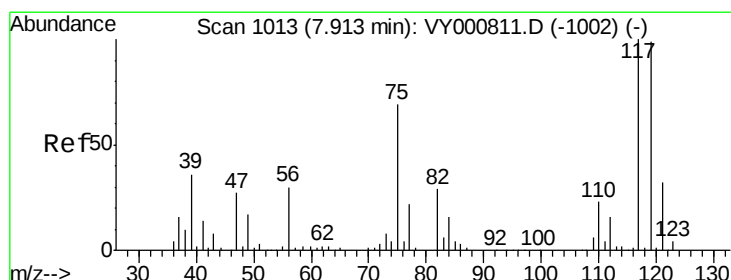
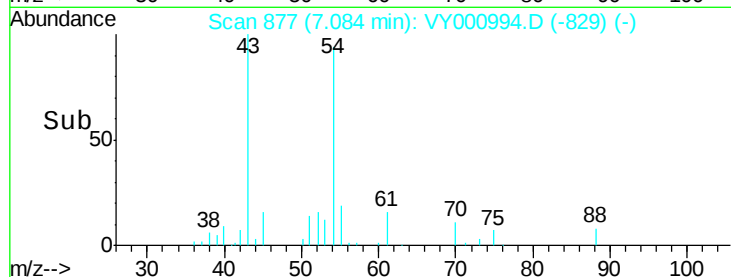
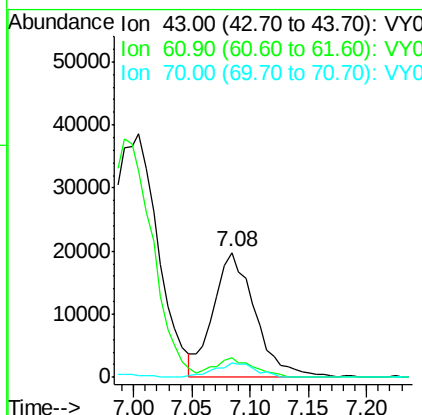
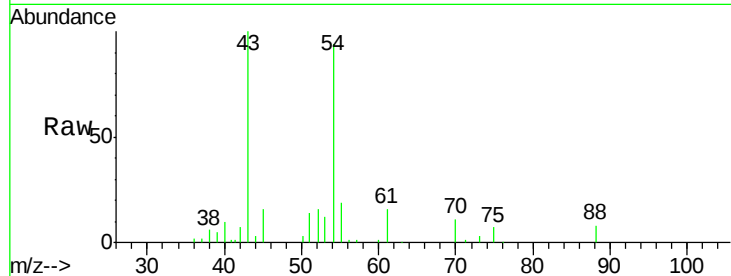
#37  
Ethyl Acetate  
Concen: 17.969 ug/l  
RT: 7.08 min Scan# 877  
Delta R.T. -0.01 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

| Tot Ion   | 43   | Resp  | 48784 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 43        | 100  |       |       |
| 61        | 15.1 | 11.8  | 17.8  |
| 70        | 11.2 | 8.7   | 13.1  |

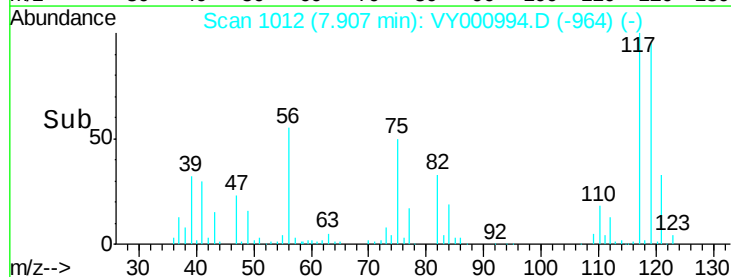
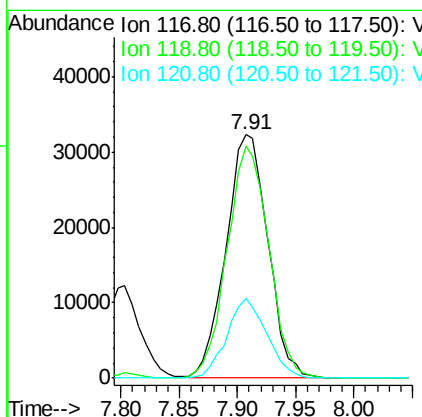
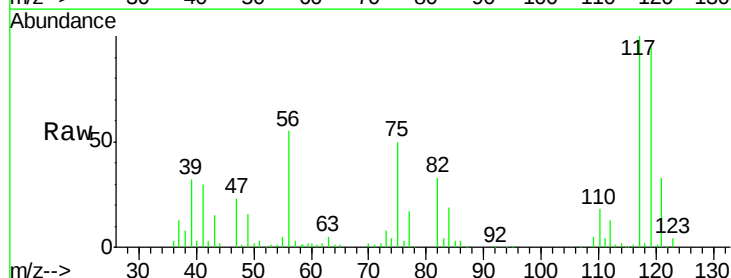
Manual Integrations  
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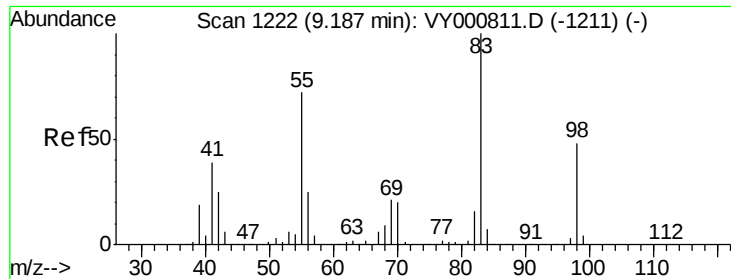
MMDadoda  
12/19/2019 11:10:52 AM



#38  
Carbon Tetrachloride  
Concen: 19.319 ug/l  
RT: 7.91 min Scan# 1012  
Delta R.T. -0.01 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

| Tgt Ion   | 117  | Resp  | 80896 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 117       | 100  |       |       |
| 119       | 95.2 | 79.3  | 118.9 |
| 121       | 32.9 | 25.5  | 38.3  |





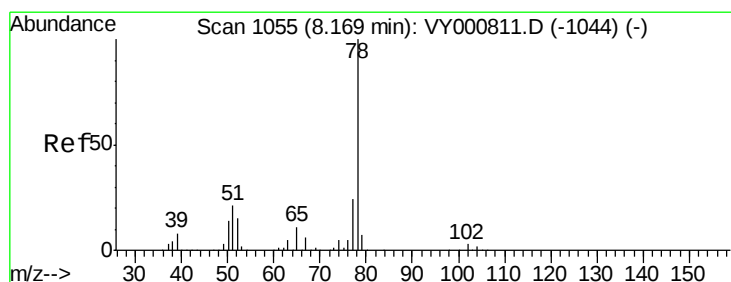
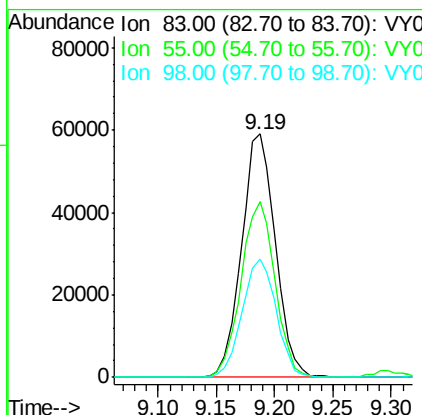
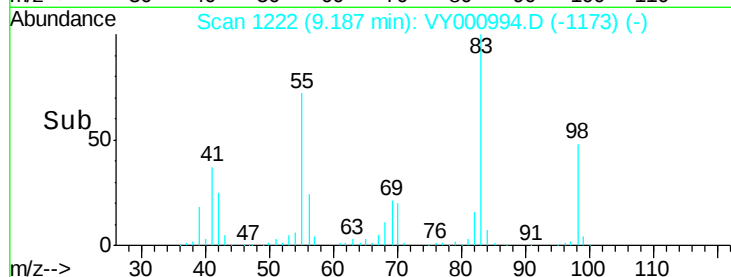
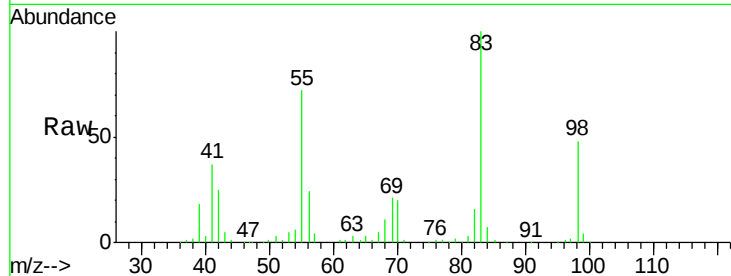
#39  
Methvlcvclohexane  
Concen: 19.225 ug/l  
RT: 9.19 min Scan# 1222  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 55      | 72.3  |      | 57.8  | 86.6  |
| 98      | 48.3  |      | 38.6  | 58.0  |

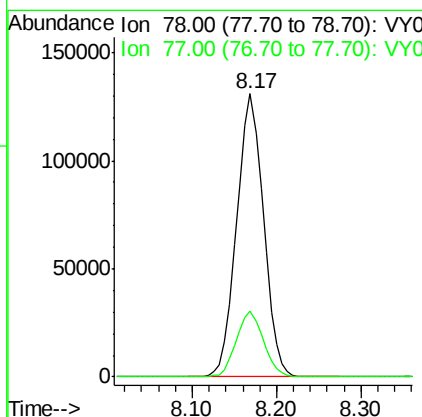
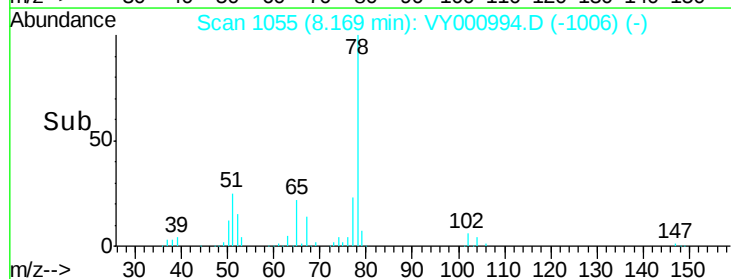
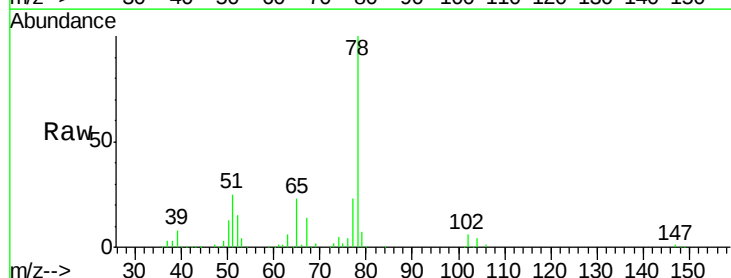
Manual Integrations  
APPROVED

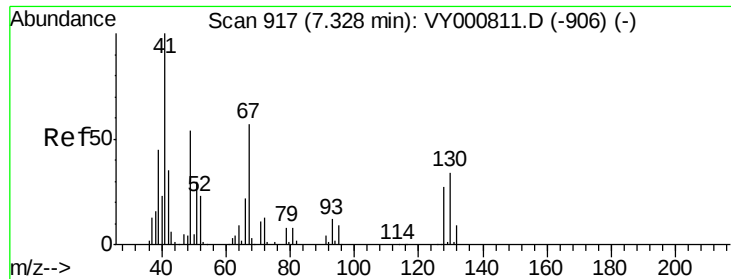
MMDadoda  
12/19/2019 11:10:52 AM



#40  
Benzene  
Concen: 20.507 ug/l  
RT: 8.17 min Scan# 1055  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 78      | 100   |      |       |       |
| 77      | 23.2  |      | 19.2  | 28.8  |





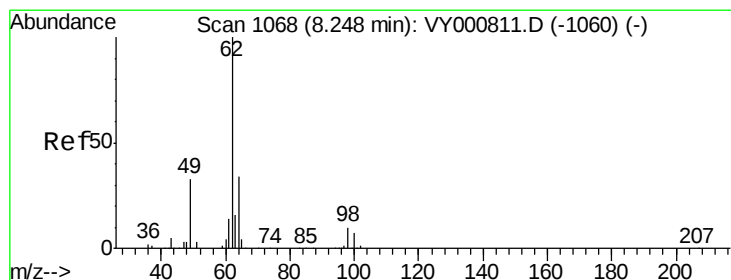
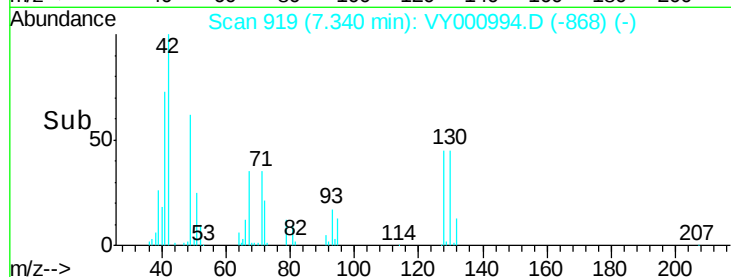
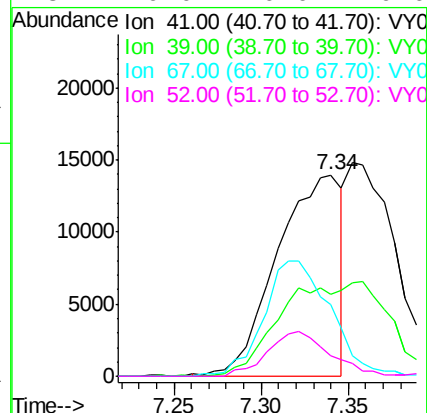
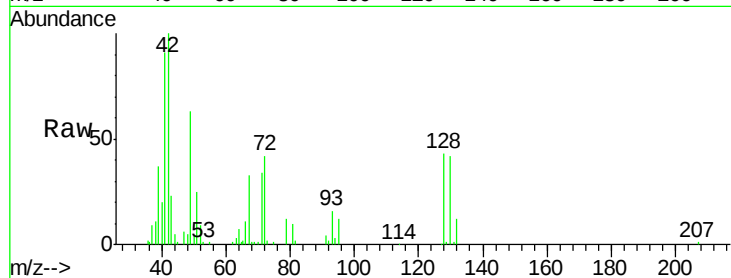
#41  
Methacrylonitrile  
Concen: 25.487 ug/l m  
RT: 7.34 min Scan# 919  
Delta R.T. 0.01 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 41      | 100   |       |        |
| 39      | 0.0   | 95.7  | 143.5# |
| 67      | 0.0   | 0.0   | 0.0    |
| 52      | 0.0   | 0.0   | 0.0    |

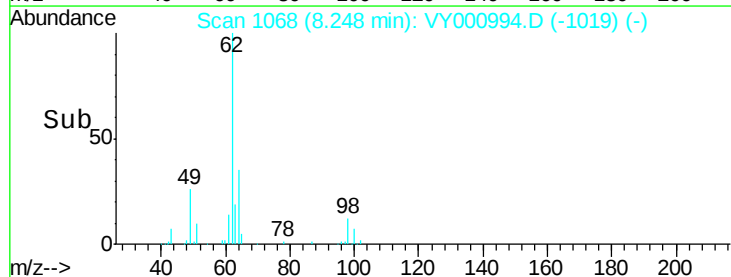
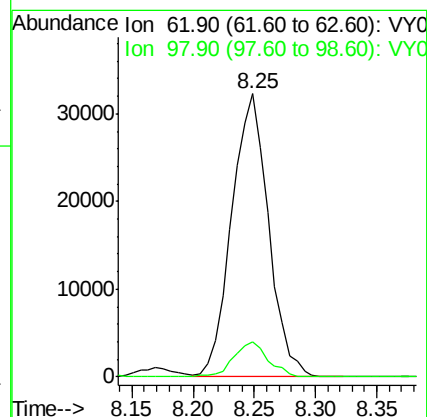
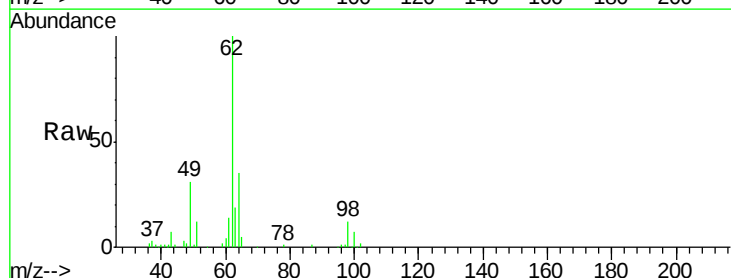
Manual Integrations  
APPROVED

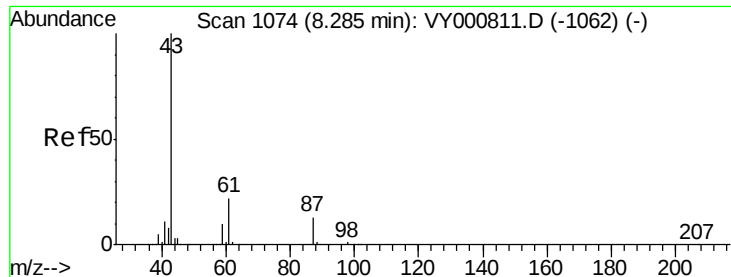
MMDadoda  
12/19/2019 11:10:52 AM



#42  
1,2-Dichloroethane  
Concen: 18.682 ug/l  
RT: 8.25 min Scan# 1068  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 11.5  | 0.0   | 21.4  |





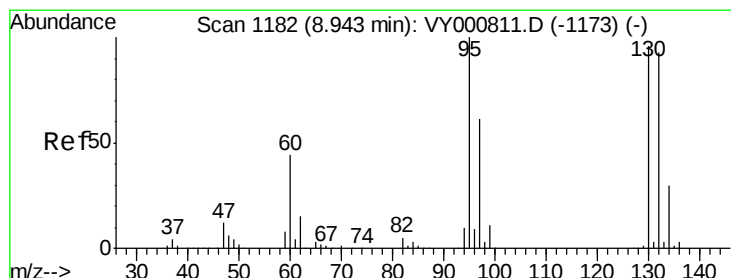
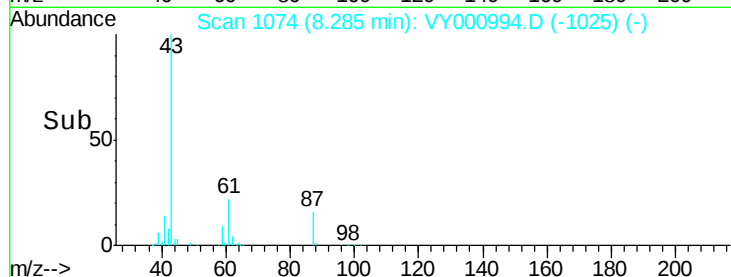
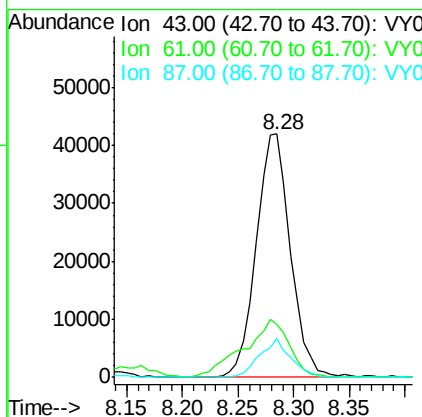
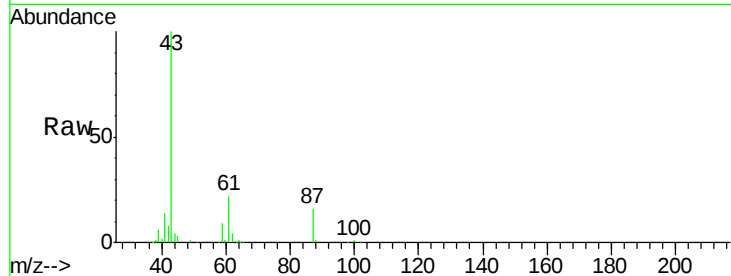
#43  
Isopropyl Acetate  
Concen: 17.571 ug/l  
RT: 8.28 min Scan# 1074  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 31.6  | 23.7  | 35.5  |
| 87      | 14.4  | 10.6  | 15.8  |

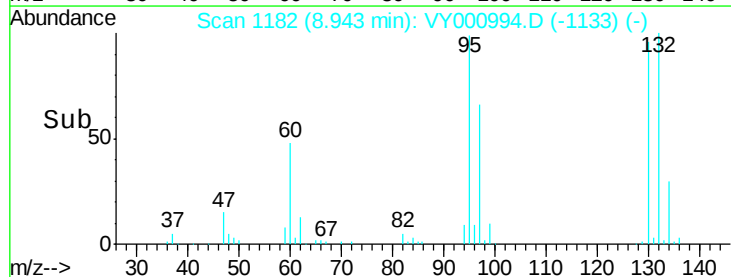
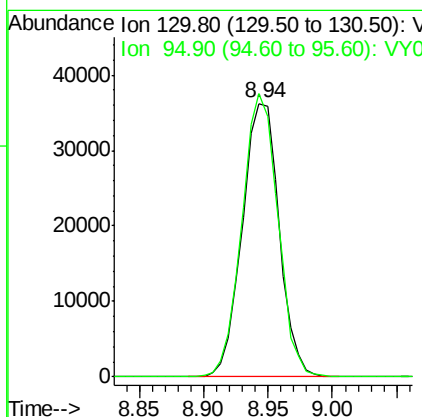
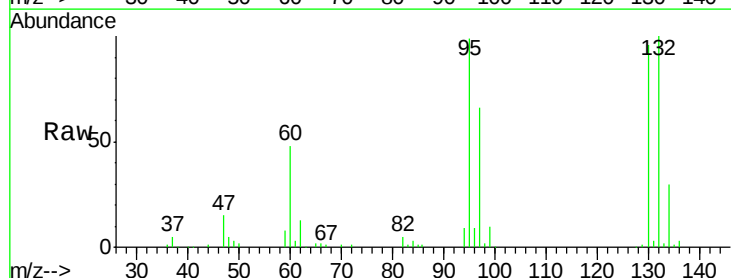
Manual Integrations  
APPROVED

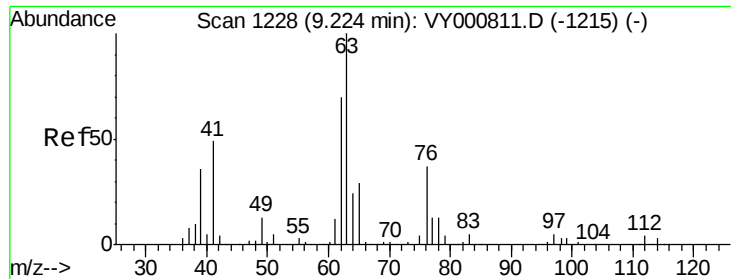
MMDadoda  
12/19/2019 11:10:52 AM



#44  
Trichloroethene  
Concen: 20.399 ug/l  
RT: 8.94 min Scan# 1182  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 103.4 | 0.0   | 207.8 |





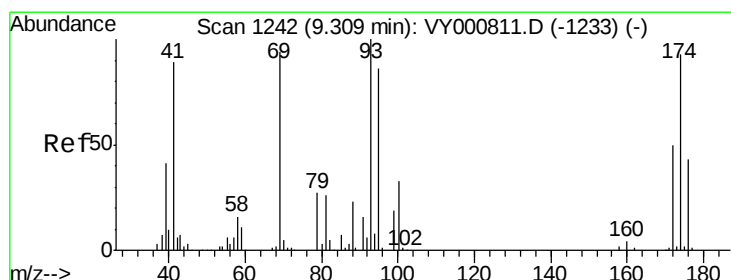
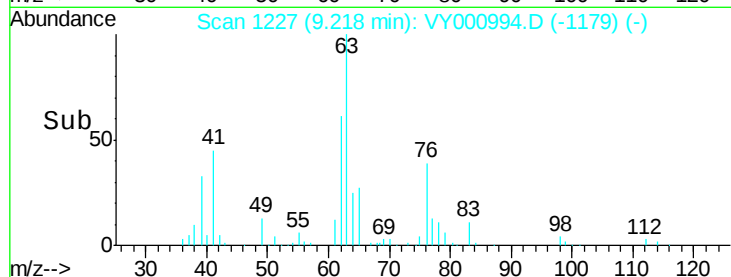
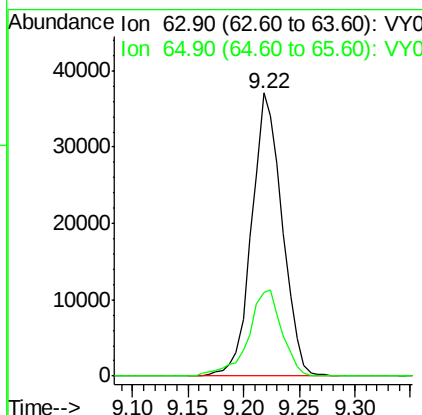
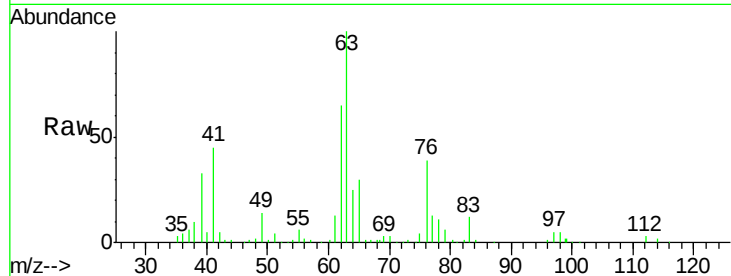
#45  
 1,2-Dichloropropane  
 Concen: 20.600 ug/l  
 RT: 9.22 min Scan# 1227  
 Delta R.T. -0.01 min  
 Lab File: VY000994.D  
 Acq: 18 Dec 2019 13:04

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1218SBS01

Tot Ion: 63 Resp: 70866  
 Ion Ratio Lower Upper  
 63 100  
 65 29.6 23.2 34.8

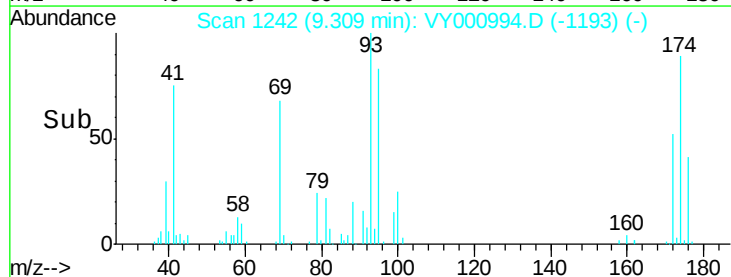
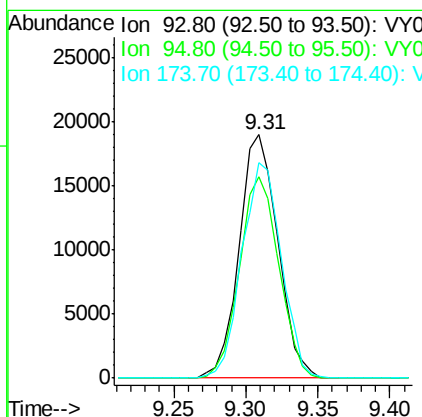
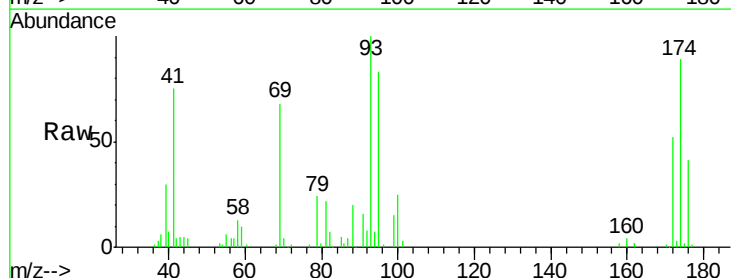
Manual Integrations  
 APPROVED

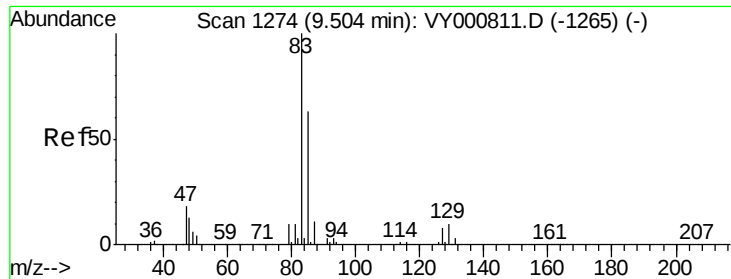
MMDadoda  
 12/19/2019 11:10:52 AM



#46  
 Dibromomethane  
 Concen: 19.706 ug/l  
 RT: 9.31 min Scan# 1242  
 Delta R.T. 0.00 min  
 Lab File: VY000994.D  
 Acq: 18 Dec 2019 13:04

Tgt Ion: 93 Resp: 35420  
 Ion Ratio Lower Upper  
 93 100  
 95 84.2 66.4 99.6  
 174 90.0 73.0 109.6





#47

Bromodichloromethane

Concen: 19.430 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

Instrument :

MSVOA\_Y

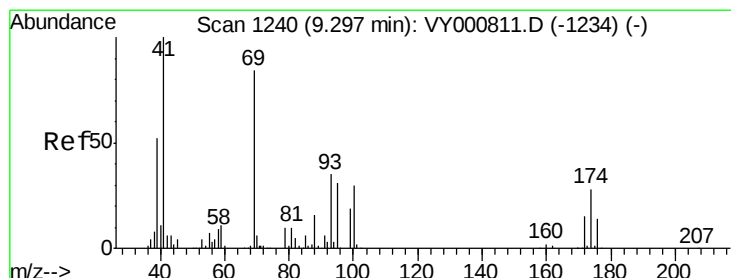
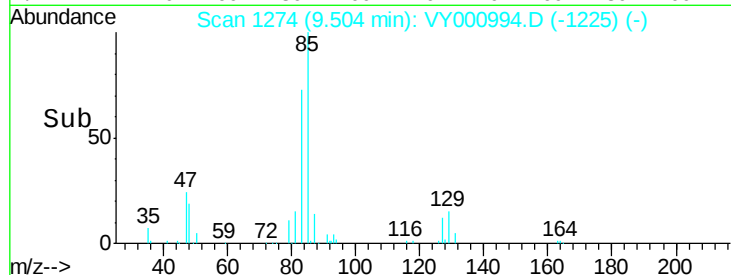
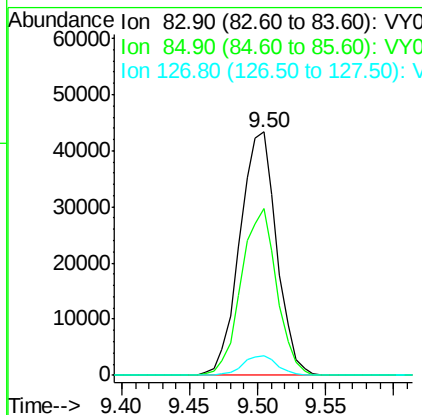
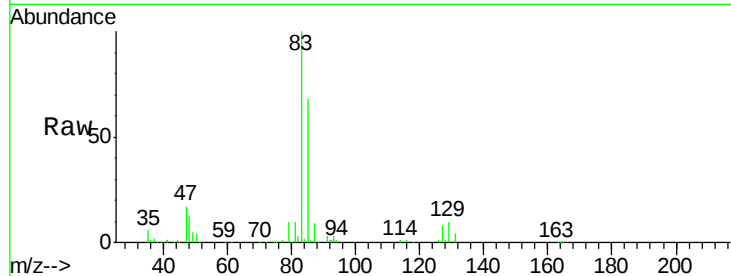
ClientSampleId :

VY1218SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 82045 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 68.3  | 50.8  | 76.2  |
| 127       | 7.9   | 6.6   | 10.0  |

Manual Integrations  
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MMDadoda  
12/19/2019 11:10:52 AM



#48

Methyl methacrylate

Concen: 17.868 ug/l

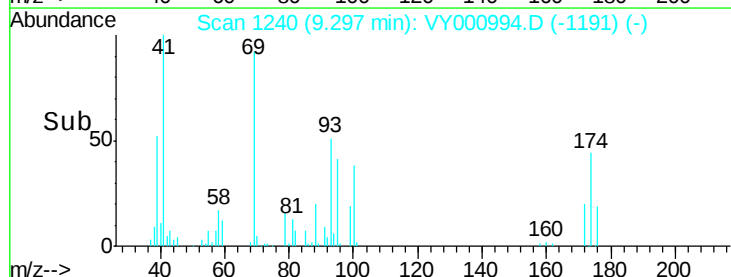
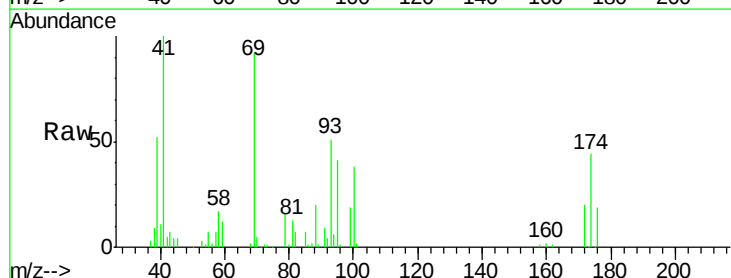
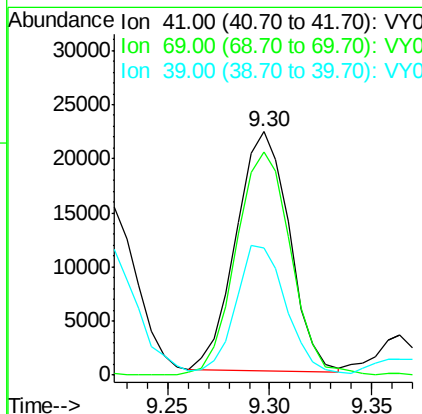
RT: 9.30 min Scan# 1240

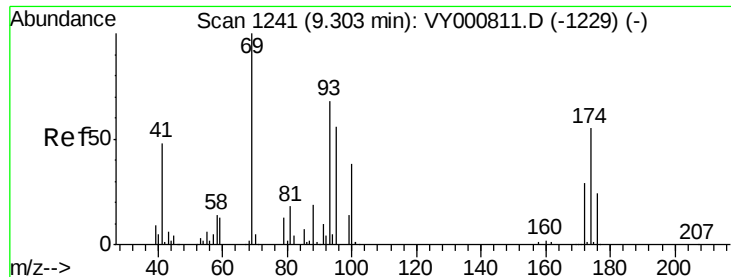
Delta R.T. 0.00 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 40199 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 95.6  | 70.4  | 105.6 |
| 39        | 51.4  | 40.9  | 61.3  |





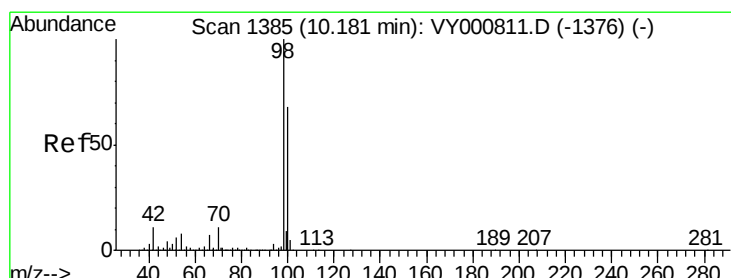
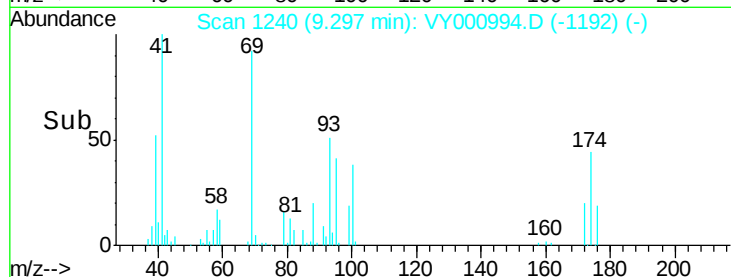
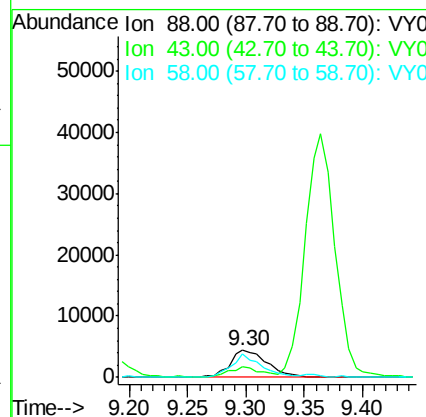
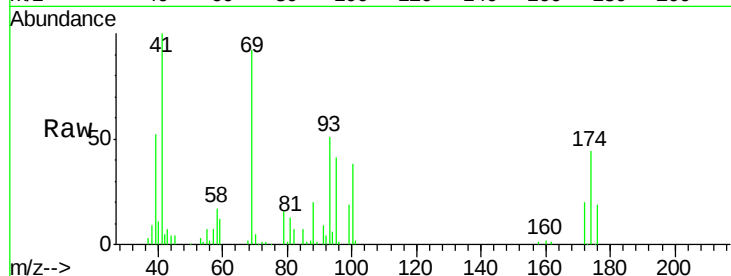
#49  
1,4-Dioxane  
Concen: 388.362 ug/l  
RT: 9.30 min Scan# 1240  
Delta R.T. -0.01 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 34.5  | 21.1  | 31.7# |
| 58      | 68.7  | 50.7  | 76.1  |

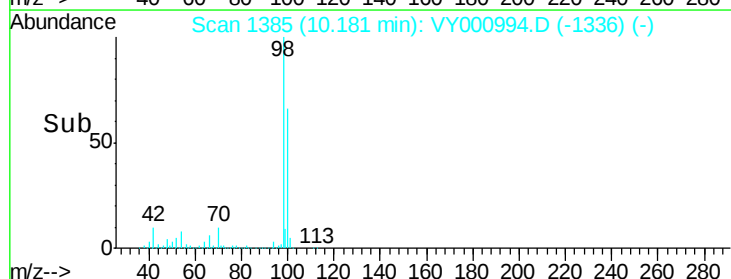
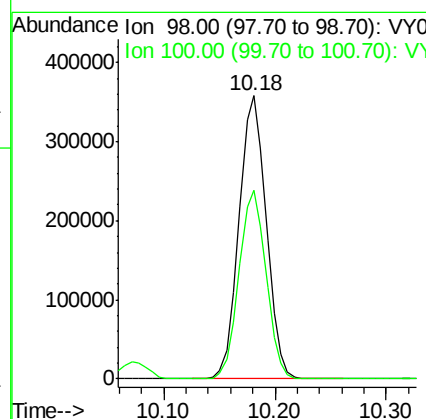
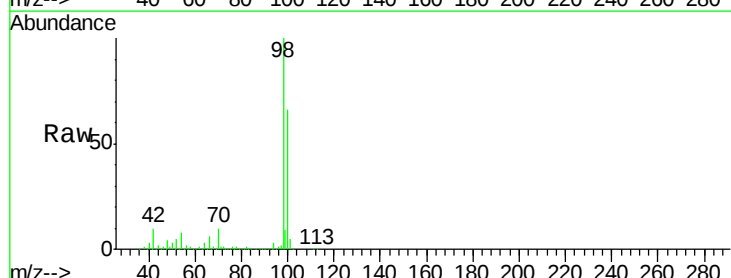
Manual Integrations  
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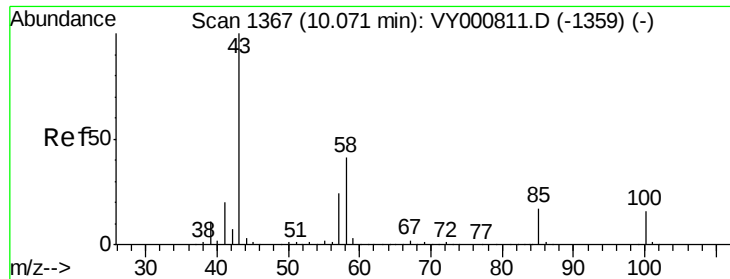
MMDadoda  
12/19/2019 11:10:52 AM



#50  
Toluene-d8  
Concen: 54.896 ug/l  
RT: 10.18 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.3  | 53.1  | 79.7  |





#51

4-Methyl-2-Pentanone

Concen: 90.553 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

Instrument :

MSVOA\_Y

ClientSampleId :

VY1218SBS01

Tot Ion: 43 Resp: 239371

Ion Ratio Lower Upper

43 100

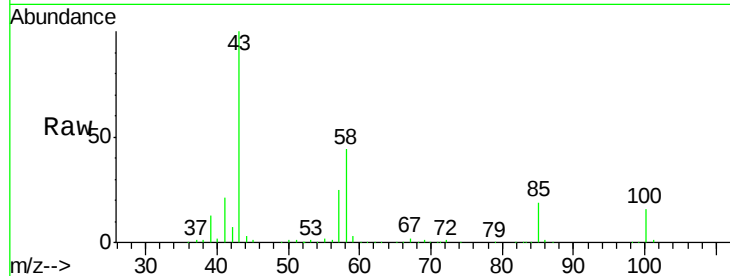
58 40.9 33.1 49.7

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12/19/2019 11:10:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.07

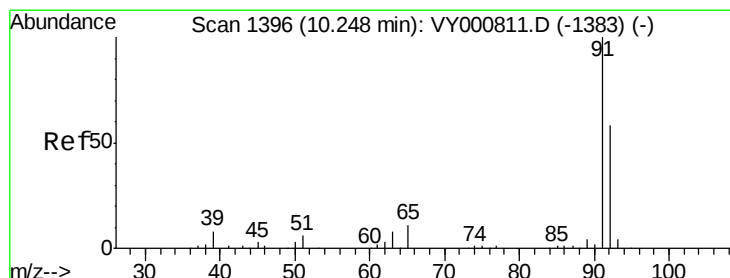
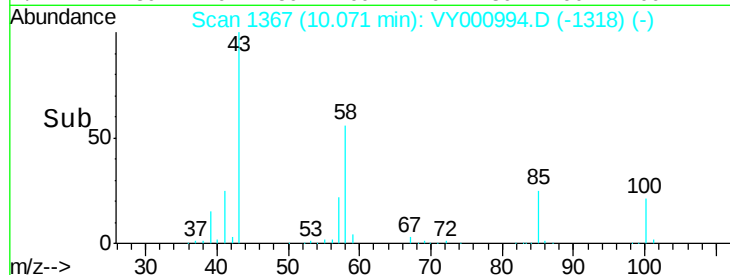
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.741 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000994.D

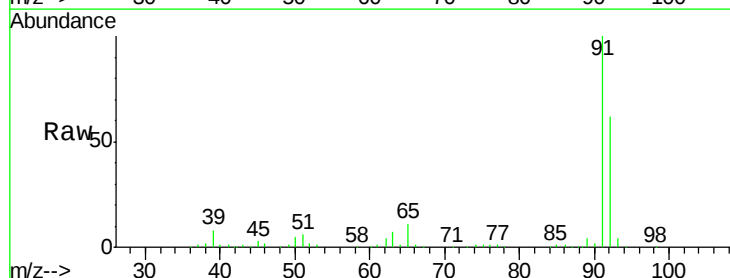
Acq: 18 Dec 2019 13:04

Tgt Ion: 92 Resp: 175882

Ion Ratio Lower Upper

92 100

91 166.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

200000

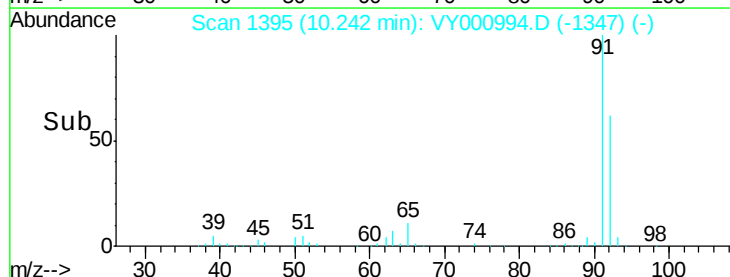
150000

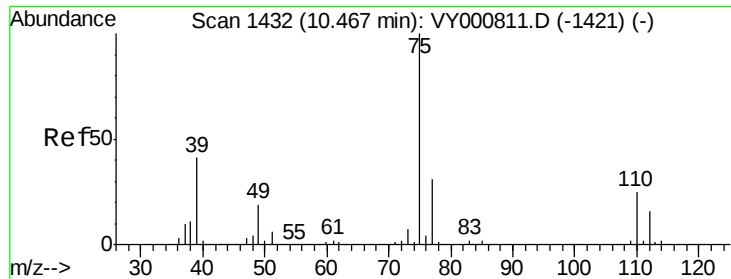
100000

50000

0

Time-->





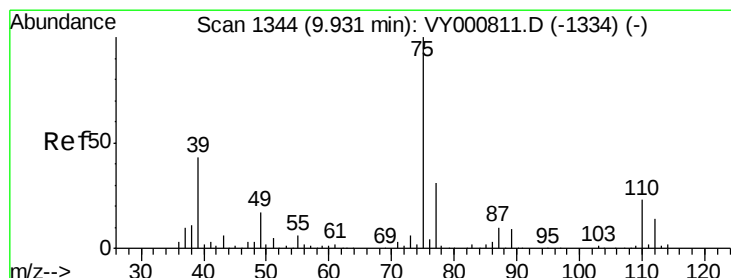
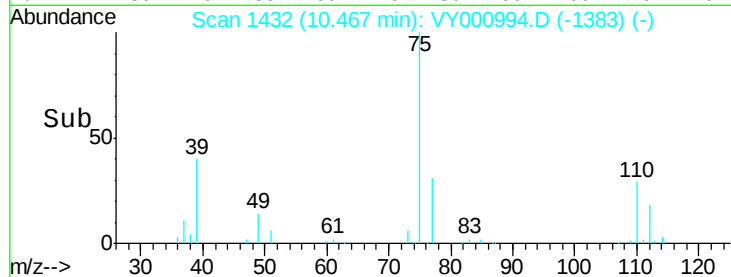
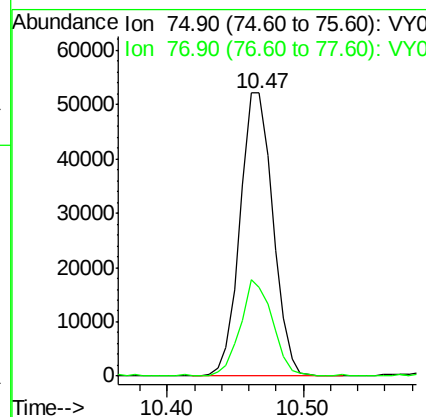
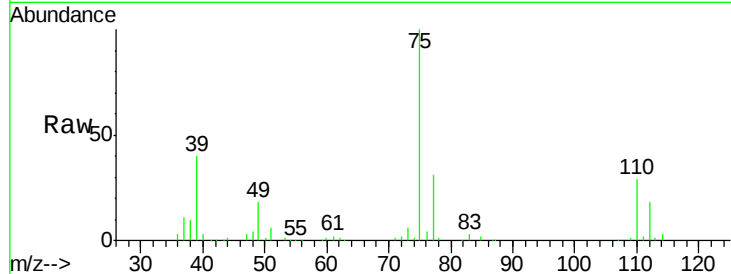
#53  
t-1,3-Dichloropropene  
Concen: 19.459 ug/l  
RT: 10.47 min Scan# 1432  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

Tot Ion: 75 Resp: 88274  
Ion Ratio Lower Upper  
75 100  
77 30.9 25.1 37.7

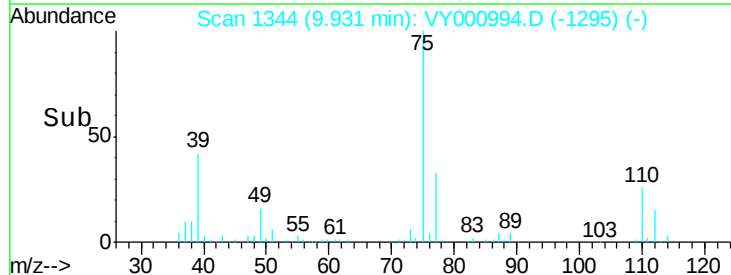
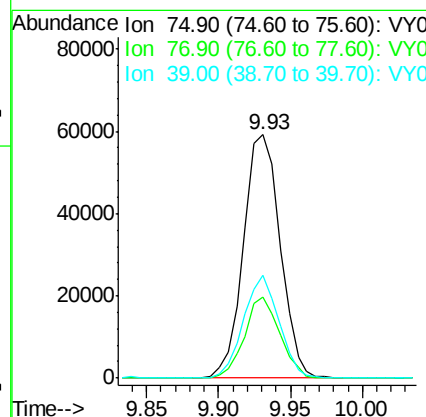
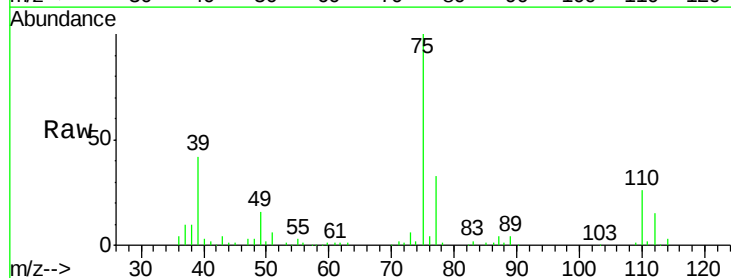
Manual Integrations  
APPROVED

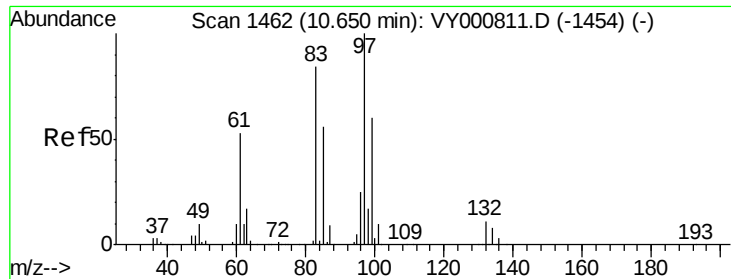
MMDadoda  
12/19/2019 11:10:52 AM



#54  
cis-1,3-Dichloropropene  
Concen: 19.501 ug/l  
RT: 9.93 min Scan# 1344  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Tgt Ion: 75 Resp: 104565  
Ion Ratio Lower Upper  
75 100  
77 33.2 24.7 37.1  
39 42.0 34.5 51.7





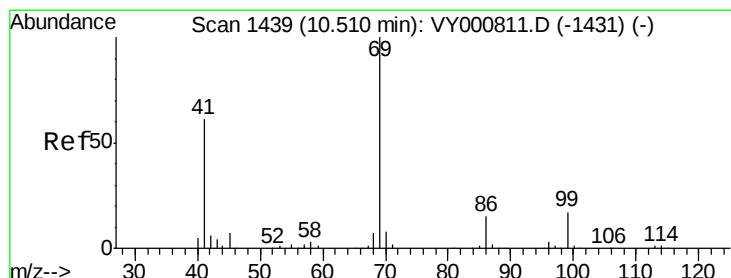
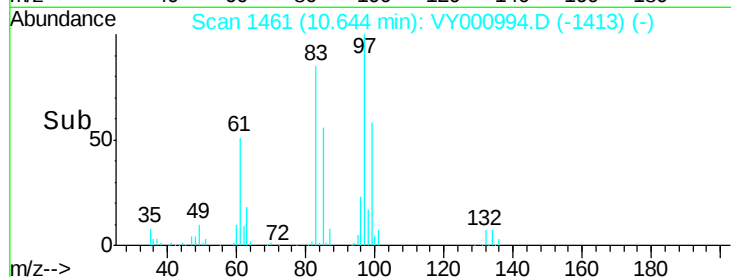
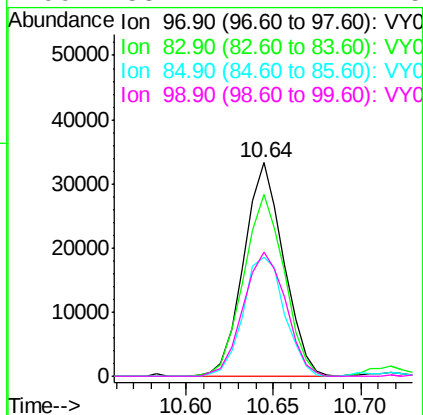
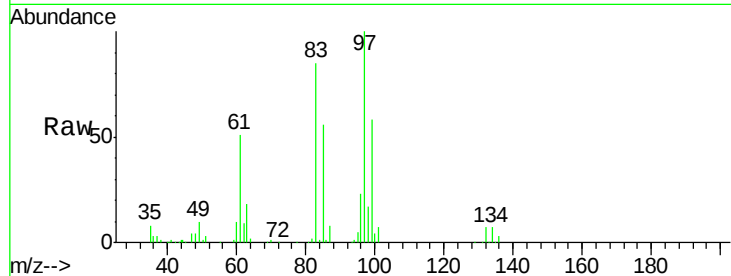
#55  
 1,1,2-Trichloroethane  
 Concen: 19.936 ug/l  
 RT: 10.64 min Scan# 1461  
 Delta R.T. -0.01 min  
 Lab File: VY000994.D  
 Acq: 18 Dec 2019 13:04

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1218SBS01

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 97      | 100  |       | 52942 |       |       |
| 83      | 84.8 | 67.5  | 101.3 |       |       |
| 85      | 55.5 | 44.5  | 66.7  |       |       |
| 99      | 58.2 | 47.7  | 71.5  |       |       |

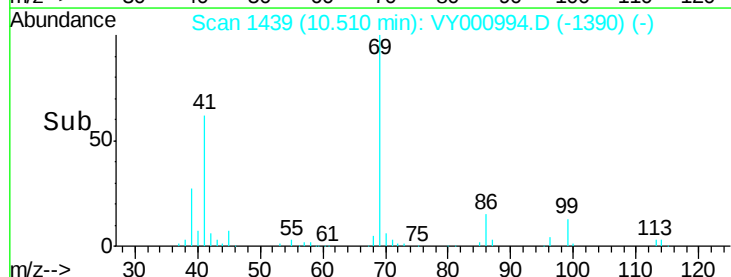
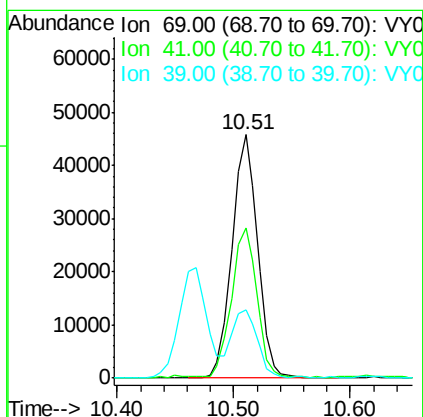
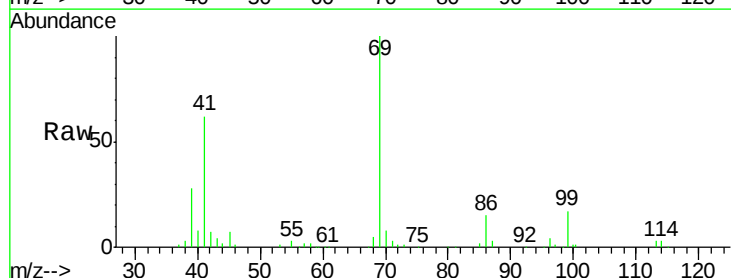
Manual Integrations  
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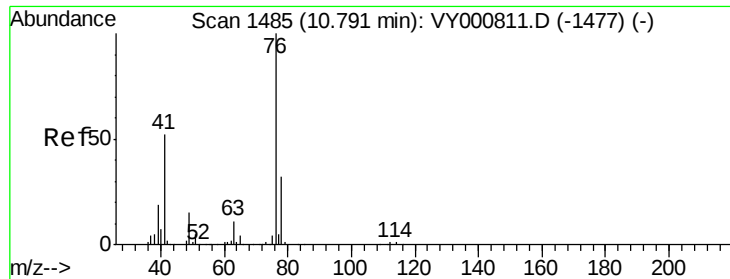
MMDadoda  
 12/19/2019 11:10:52 AM



#56  
 Ethyl methacrylate  
 Concen: 18.465 ug/l  
 RT: 10.51 min Scan# 1439  
 Delta R.T. 0.00 min  
 Lab File: VY000994.D  
 Acq: 18 Dec 2019 13:04

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 69      | 100  |       | 70149 |       |       |
| 41      | 60.9 | 49.0  | 73.6  |       |       |
| 39      | 27.4 | 23.1  | 34.7  |       |       |





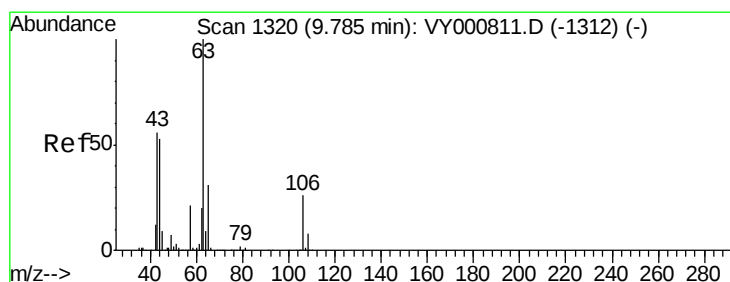
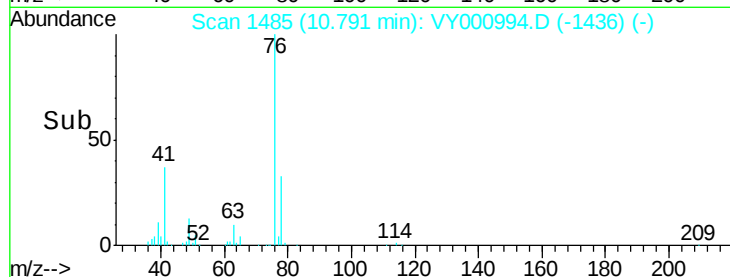
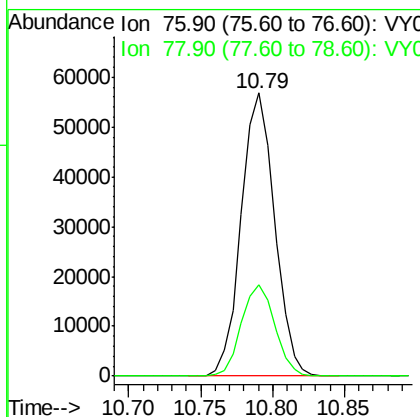
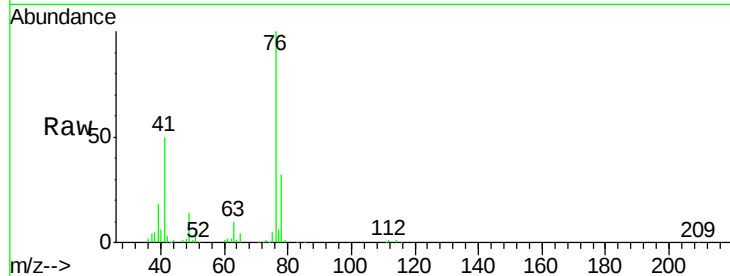
#57  
 1,3-Dichloropropane  
 Concen: 19.811 ug/l  
 RT: 10.79 min Scan# 1485  
 Delta R.T. -0.00 min  
 Lab File: VY000994.D  
 Acq: 18 Dec 2019 13:04

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1218SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.2  | 26.4  | 39.6  |

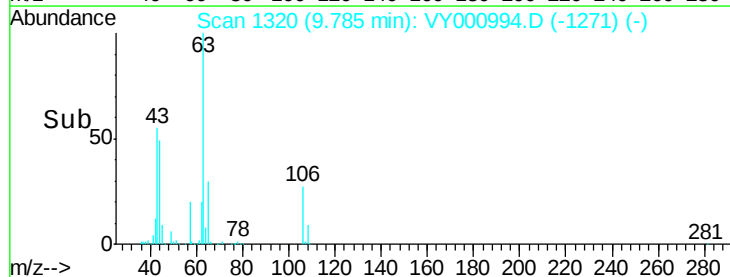
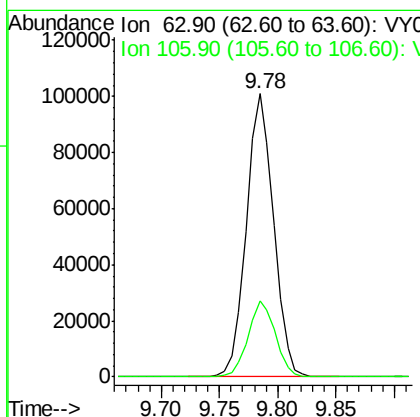
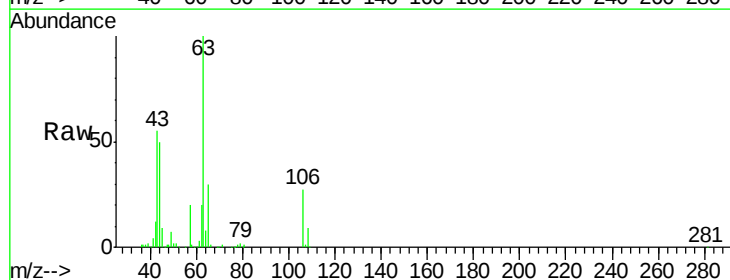
Manual Integrations  
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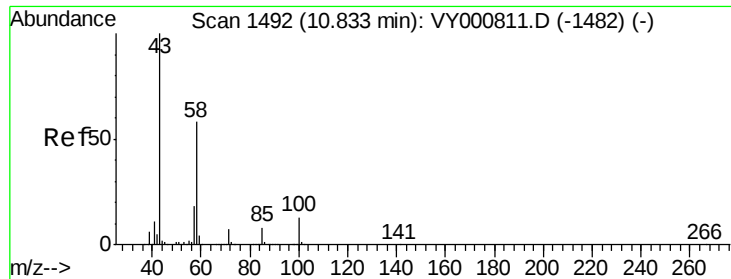
MMDadoda  
 12/19/2019 11:10:52 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 107.374 ug/l  
 RT: 9.78 min Scan# 1320  
 Delta R.T. 0.00 min  
 Lab File: VY000994.D  
 Acq: 18 Dec 2019 13:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 26.9  | 21.5  | 32.3  |





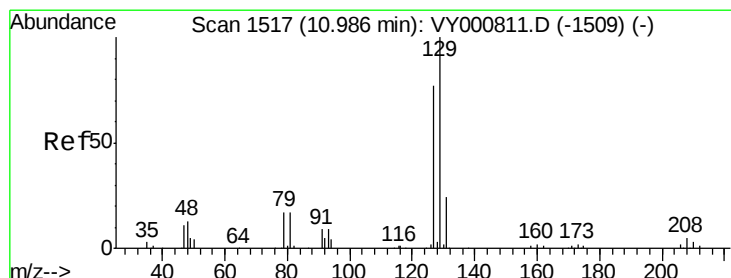
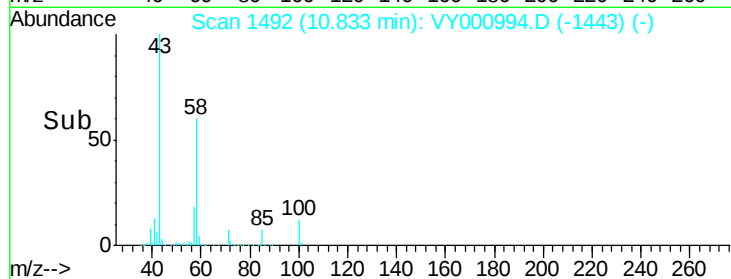
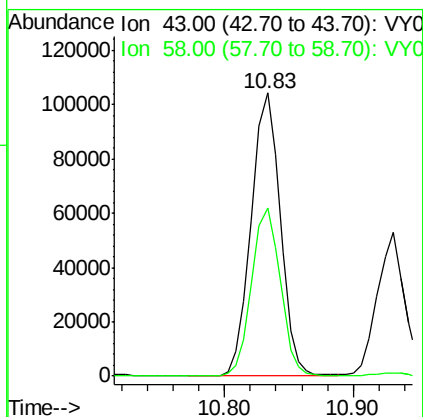
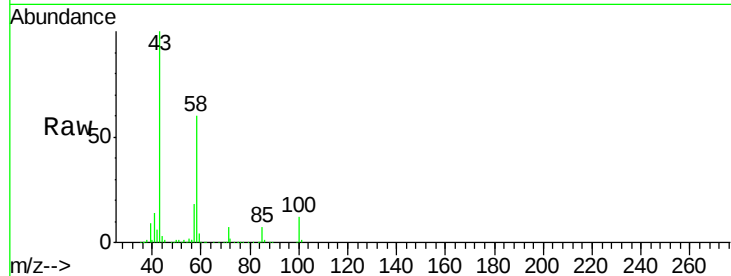
#59  
2-Hexanone  
Concen: 84.789 ug/l  
RT: 10.83 min Scan# 1492  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

Tot Ion: 43 Resp: 163322  
Ion Ratio Lower Upper  
43 100  
58 58.6 29.0 87.1

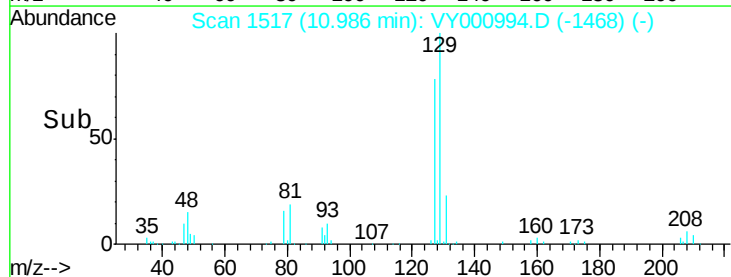
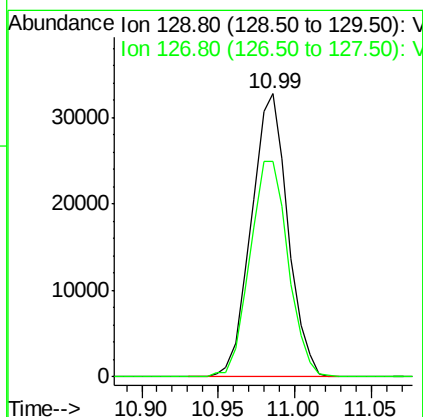
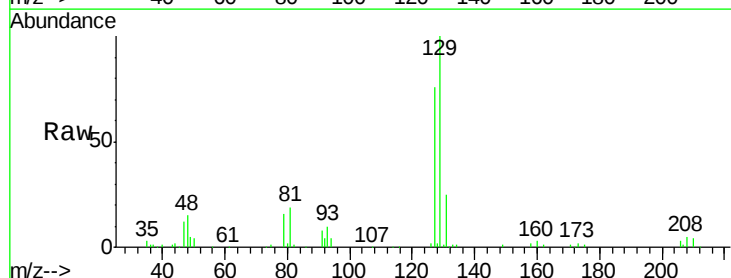
Manual Integrations  
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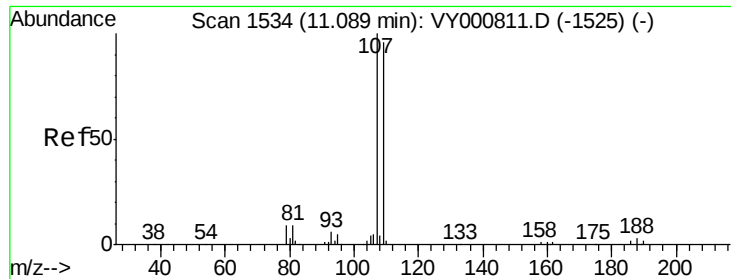
MMDadoda  
12/19/2019 11:10:52 AM



#60  
Dibromochloromethane  
Concen: 19.062 ug/l  
RT: 10.99 min Scan# 1517  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Tgt Ion: 129 Resp: 54495  
Ion Ratio Lower Upper  
129 100  
127 79.7 39.1 117.2





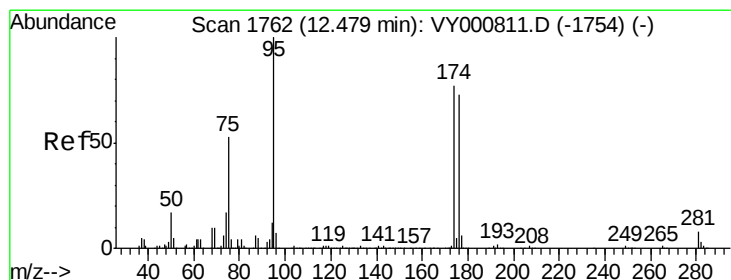
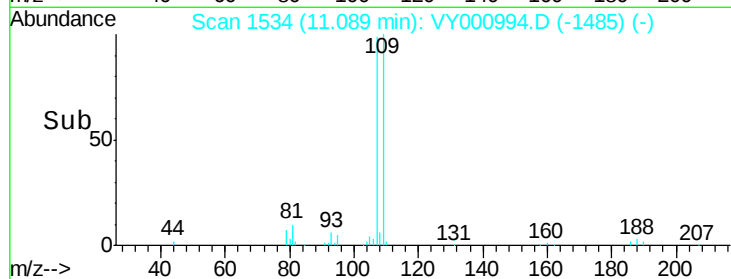
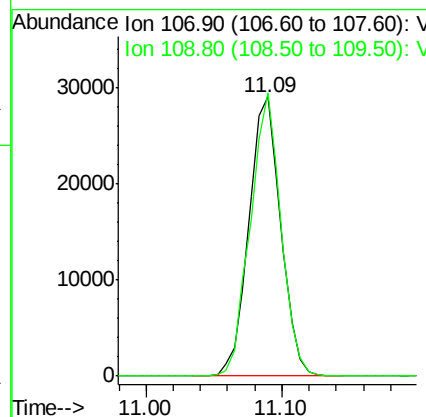
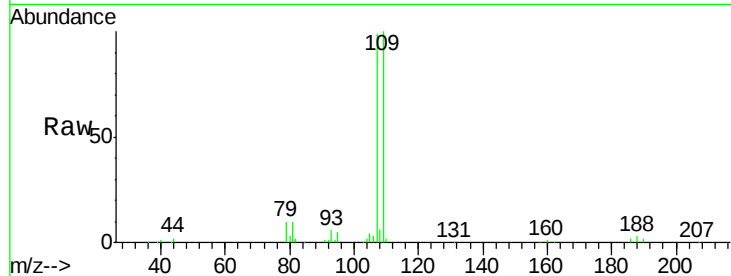
#61  
 1,2-Dibromoethane  
 Concen: 19.063 ug/l  
 RT: 11.09 min Scan# 1534  
 Delta R.T. 0.00 min  
 Lab File: VY000994.D  
 Acq: 18 Dec 2019 13:04

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1218SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 97.3  | 75.9  | 113.9 |

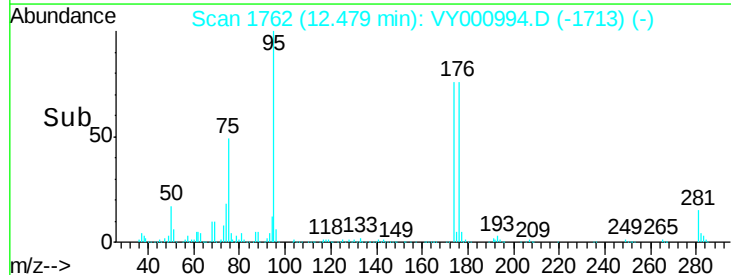
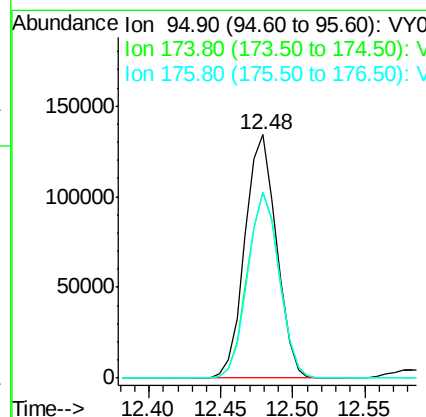
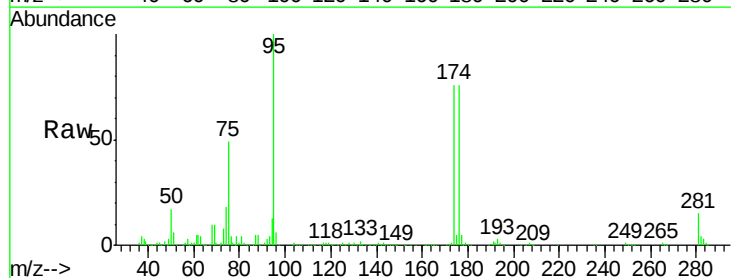
Manual Integrations  
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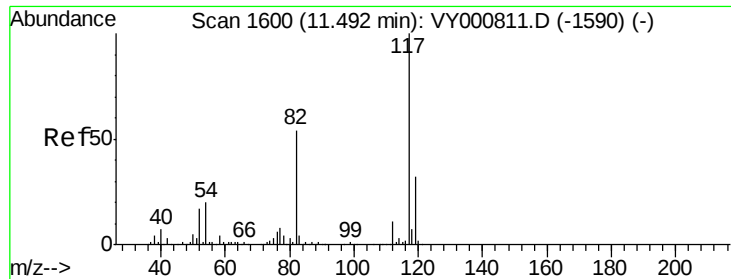
MMDadoda  
 12/19/2019 11:10:52 AM



#62  
 4-Bromofluorobenzene  
 Concen: 49.314 ug/l  
 RT: 12.48 min Scan# 1762  
 Delta R.T. 0.00 min  
 Lab File: VY000994.D  
 Acq: 18 Dec 2019 13:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 76.7  | 0.0   | 150.6 |
| 176     | 76.2  | 0.0   | 145.2 |





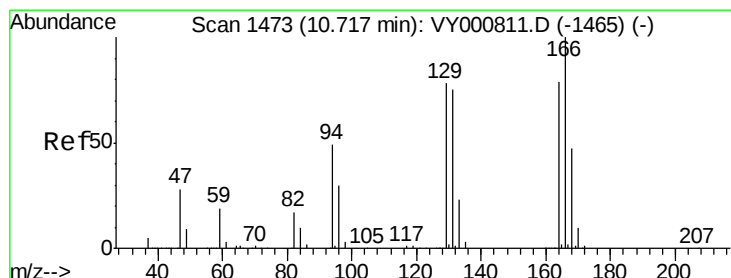
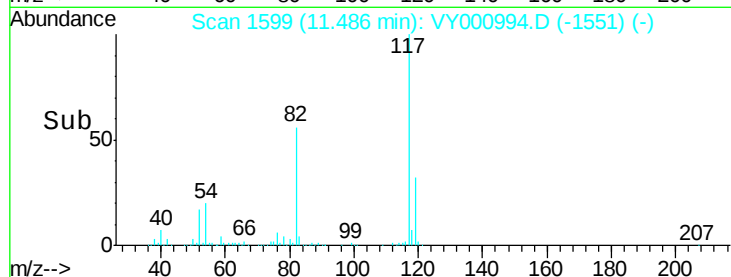
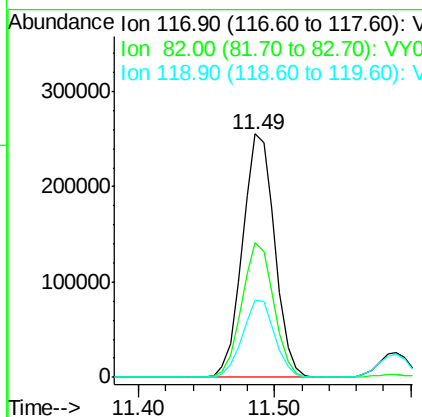
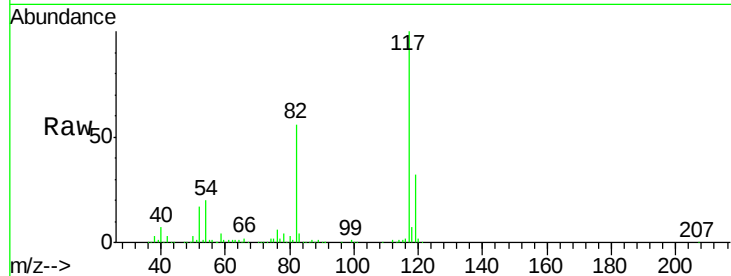
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1599  
Delta R.T. -0.01 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 421661 |       |       |
| 82      | 55.6  | 43.1   | 64.7  |       |
| 119     | 31.7  | 25.3   | 37.9  |       |

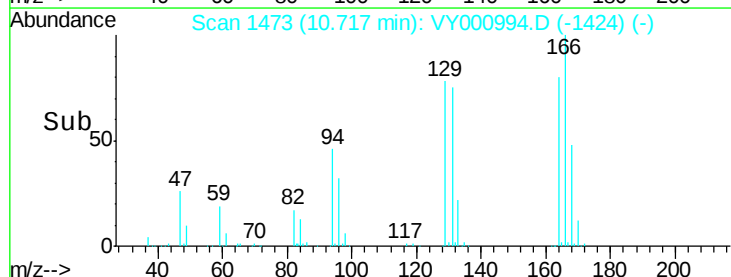
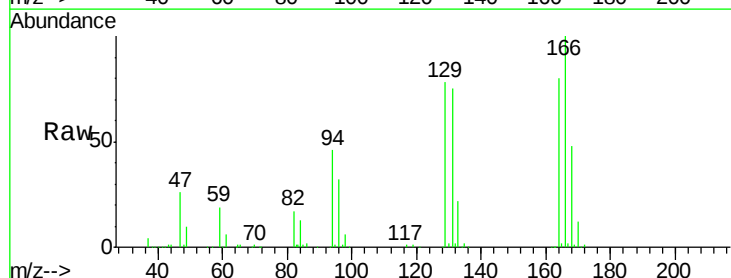
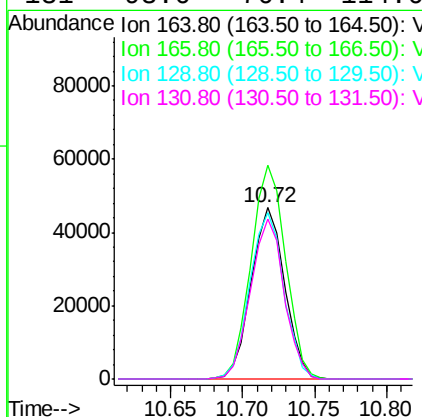
Manual Integrations  
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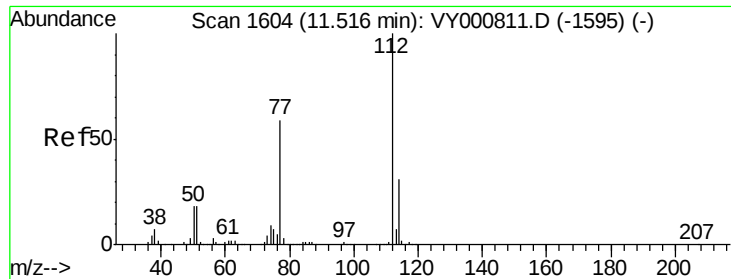
MMDadoda  
12/19/2019 11:10:52 AM



#64  
Tetrachloroethene  
Concen: 20.557 ug/l  
RT: 10.72 min Scan# 1473  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 75310 |       |       |
| 166     | 124.6 | 101.8 | 152.8 |       |
| 129     | 96.8  | 79.3  | 118.9 |       |
| 131     | 93.6  | 76.4  | 114.6 |       |





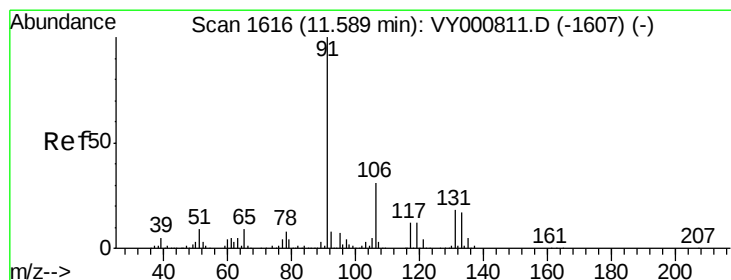
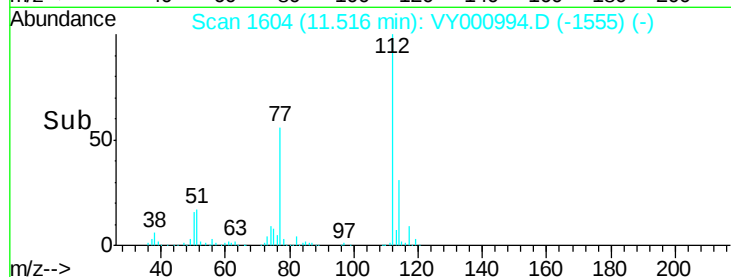
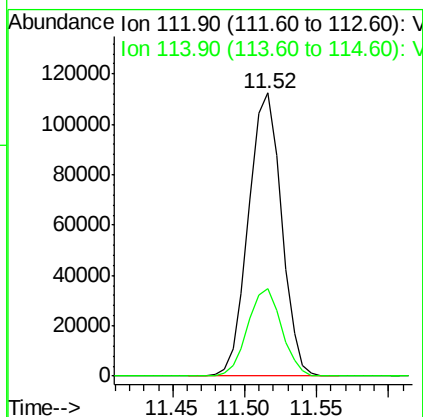
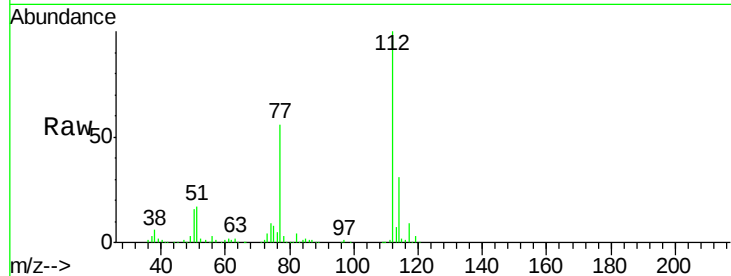
#65  
Chlorobenzene  
Concen: 20.326 ug/l  
RT: 11.52 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.1  | 25.1  | 37.7  |

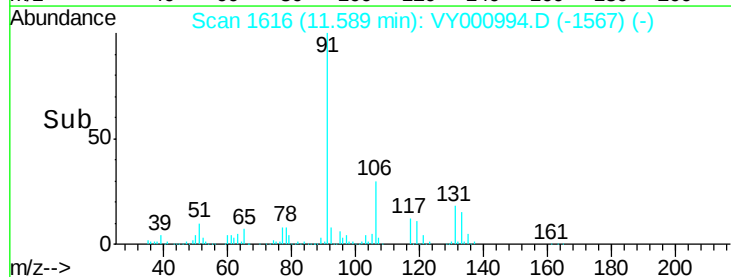
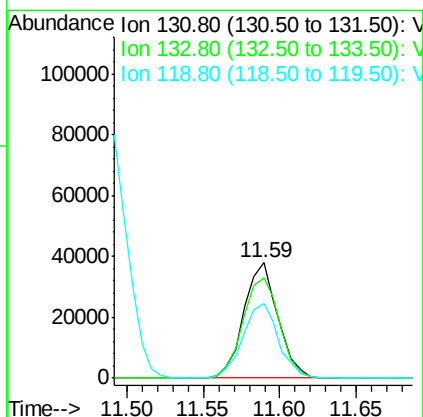
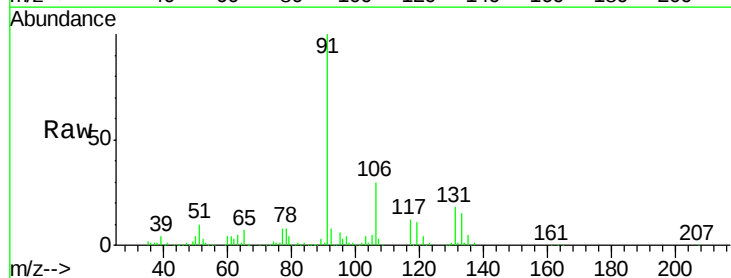
Manual Integrations  
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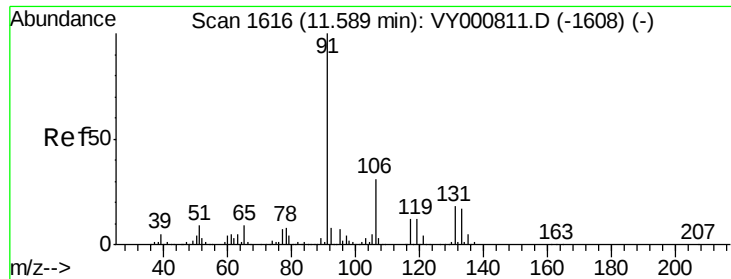
MMDadoda  
12/19/2019 11:10:52 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.832 ug/l  
RT: 11.59 min Scan# 1616  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 94.0  | 47.4  | 142.2 |
| 119     | 67.4  | 33.8  | 101.3 |





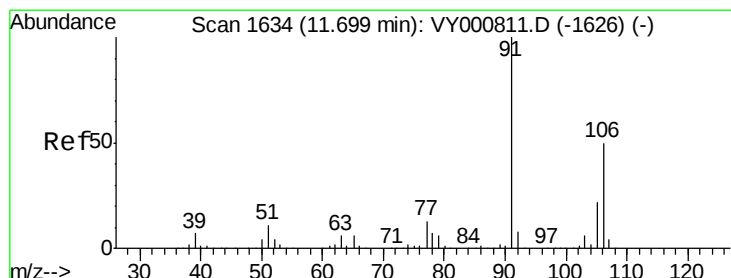
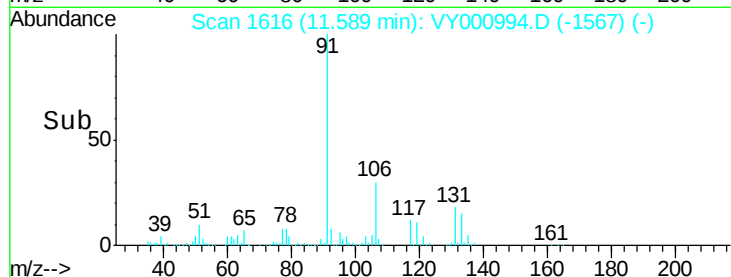
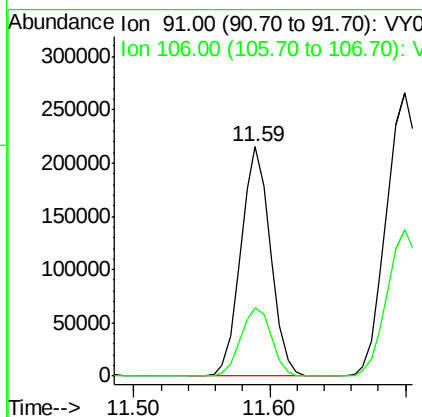
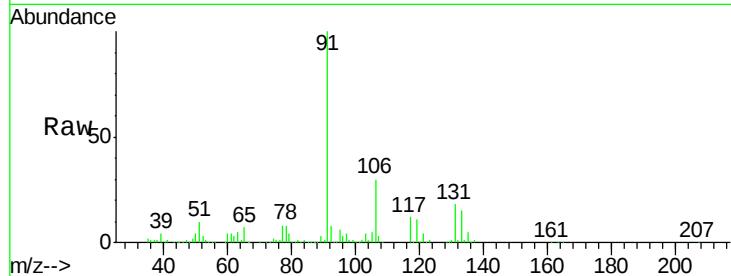
#67  
Ethyl Benzene  
Concen: 20.030 ug/l  
RT: 11.59 min Scan# 1616  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

Tot Ion: 91 Resp: 326955  
Ion Ratio Lower Upper  
91 100  
106 29.9 24.4 36.6

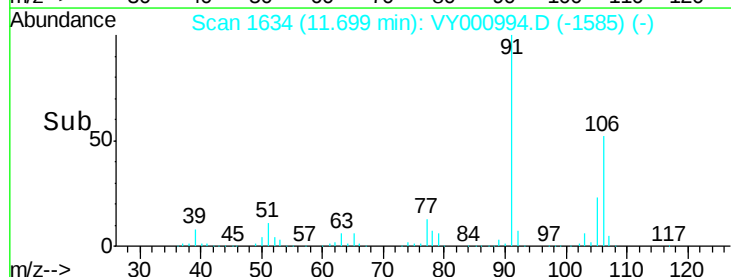
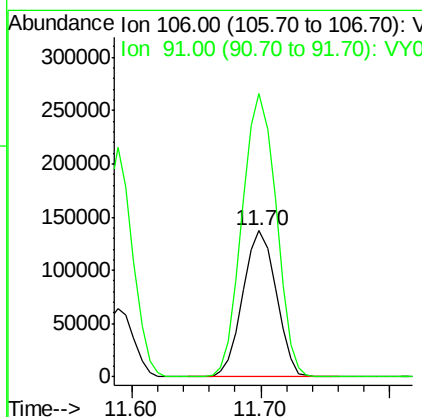
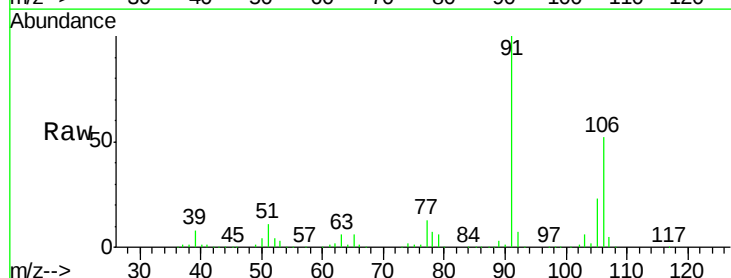
Manual Integrations  
APPROVED

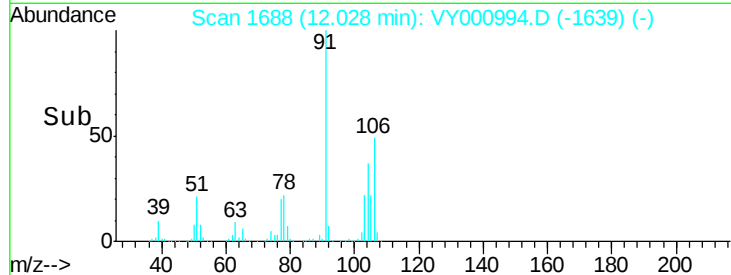
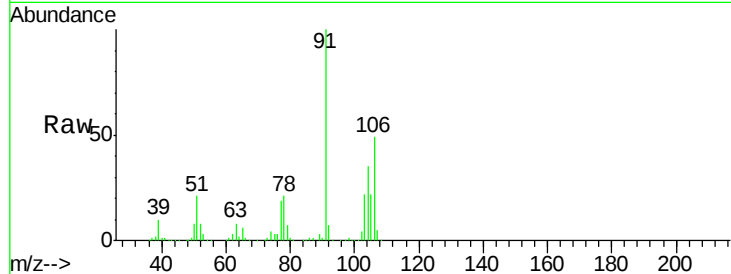
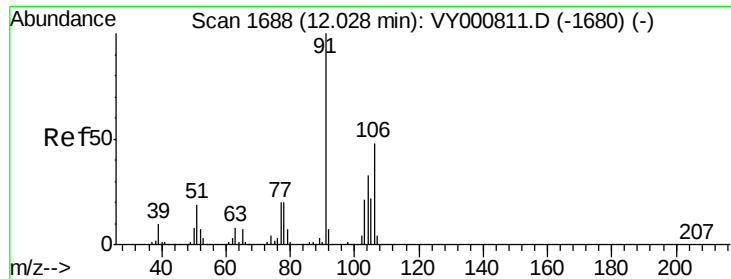
MMDadoda  
12/19/2019 11:10:52 AM



#68  
m/p-Xylenes  
Concen: 40.270 ug/l  
RT: 11.70 min Scan# 1634  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Tgt Ion: 106 Resp: 246729  
Ion Ratio Lower Upper  
106 100  
91 197.7 159.6 239.4





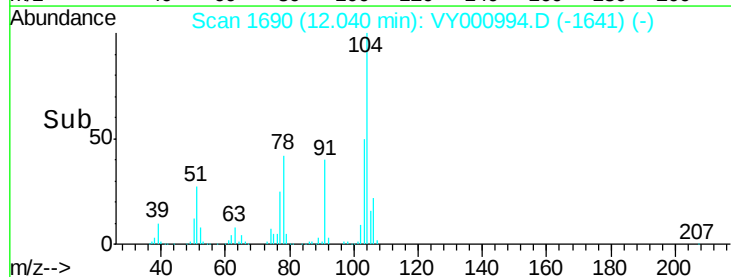
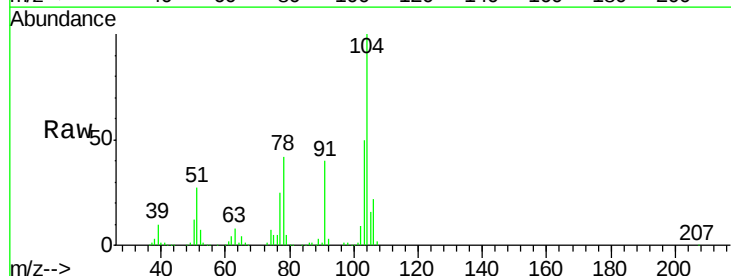
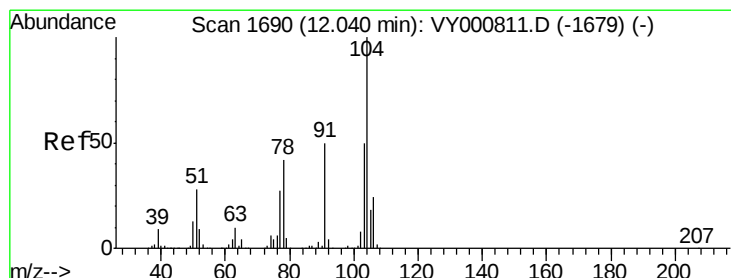
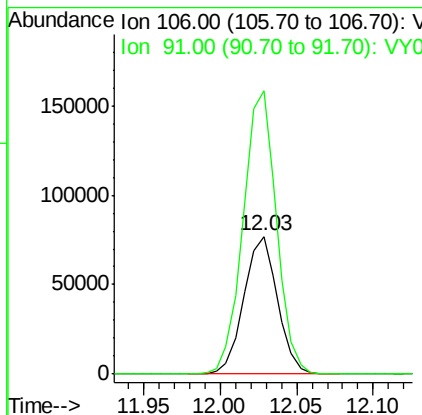
#69  
o-Xylene  
Concen: 20.518 ug/l  
RT: 12.03 min Scan# 1688  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Tot Ion:106 Resp: 117214  
Ion Ratio Lower Upper  
106 100  
91 204.0 106.1 318.1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

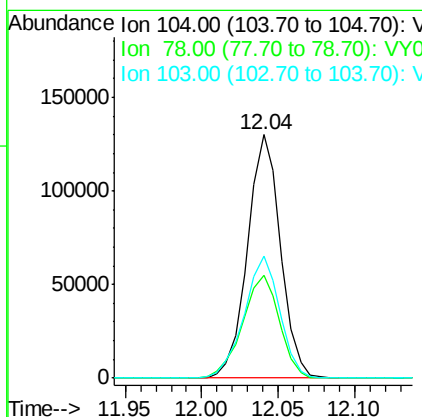
Manual Integrations  
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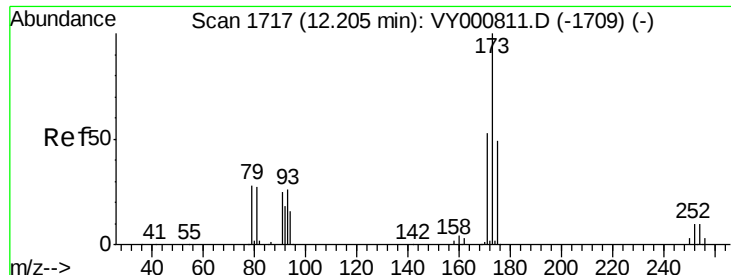
MMDadoda  
12/19/2019 11:10:52 AM



#70  
Styrene  
Concen: 19.984 ug/l  
RT: 12.04 min Scan# 1690  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Tgt Ion:104 Resp: 195482  
Ion Ratio Lower Upper  
104 100  
78 46.9 38.2 57.4  
103 53.9 43.4 65.0





#71

Bromoform

Concen: 18.525 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

Instrument :

MSVOA\_Y

ClientSampleId :

VY1218SBS01

Tot Ion:173 Resp: 30861

Ion Ratio Lower Upper

173 100

175 51.8 24.5 73.5

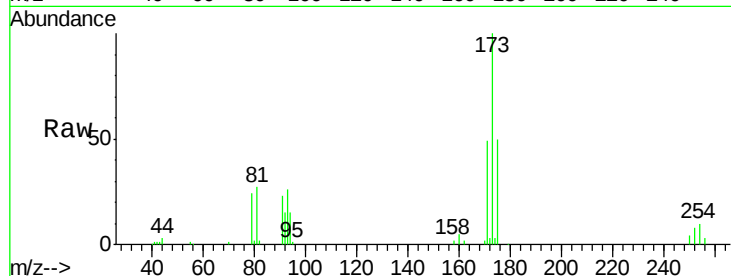
254 0.0 0.0 0.0

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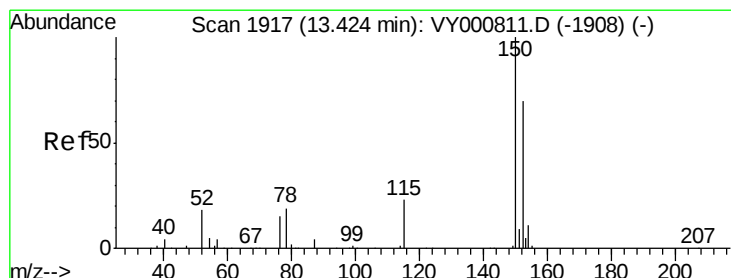
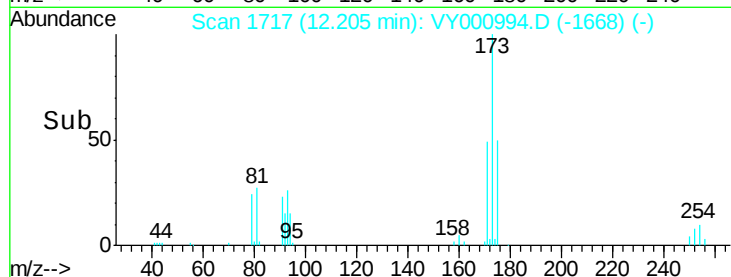
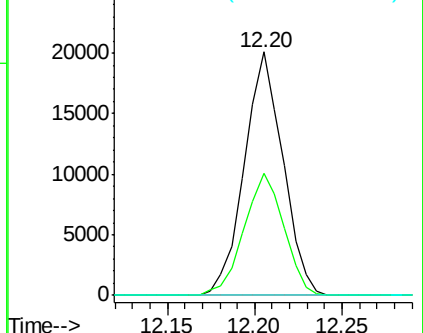
12/19/2019 11:10:52 AM



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. 0.00 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

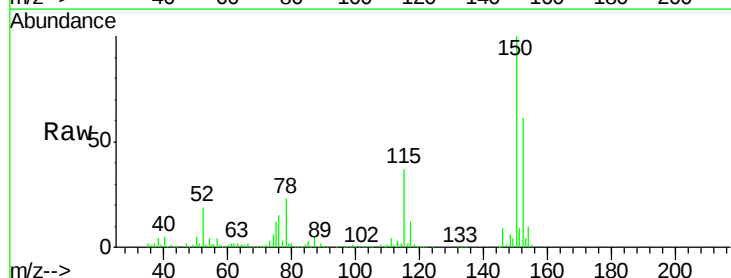
Tgt Ion:152 Resp: 195586

Ion Ratio Lower Upper

152 100

115 59.8 29.3 87.8

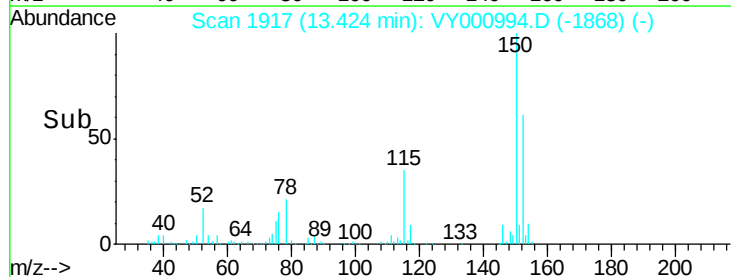
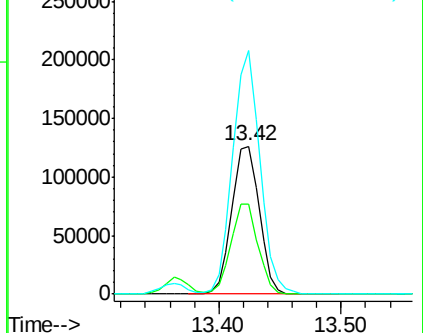
150 163.7 0.0 351.2

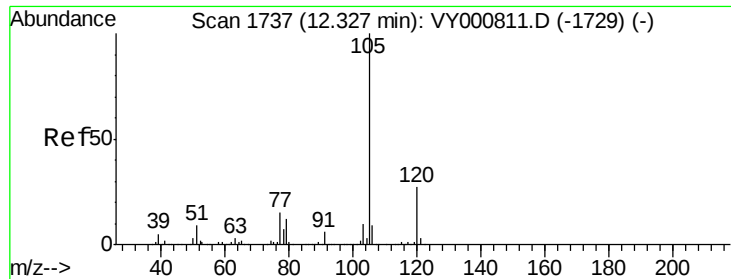


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





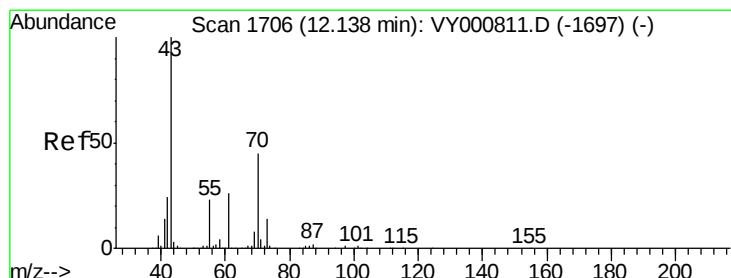
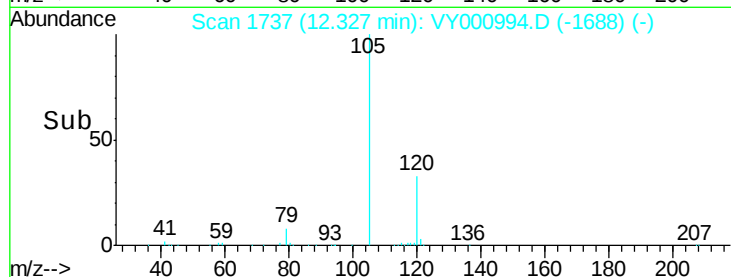
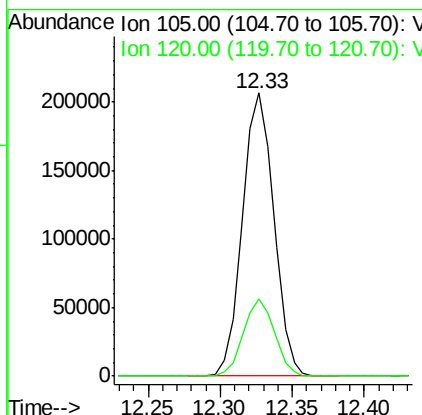
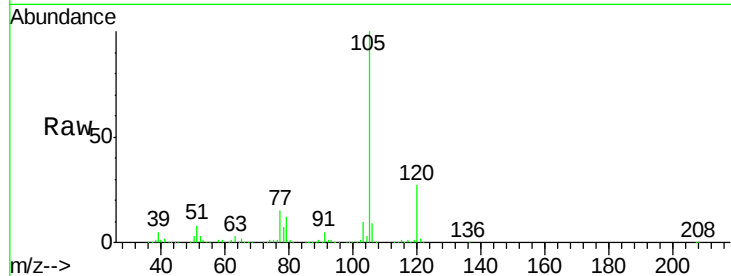
#73  
Isopropylbenzene  
Concen: 20.032 ug/l  
RT: 12.33 min Scan# 1737  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 27.0  | 13.4  | 40.2  |

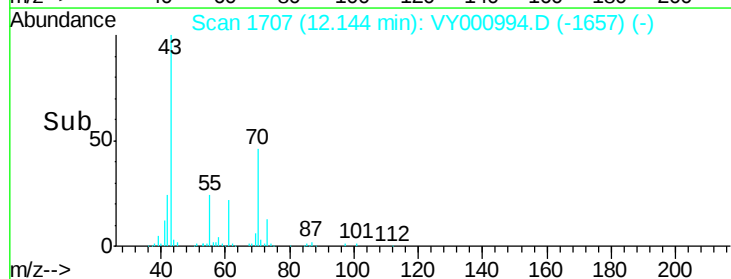
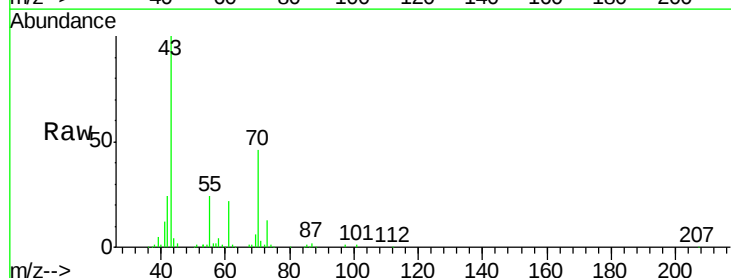
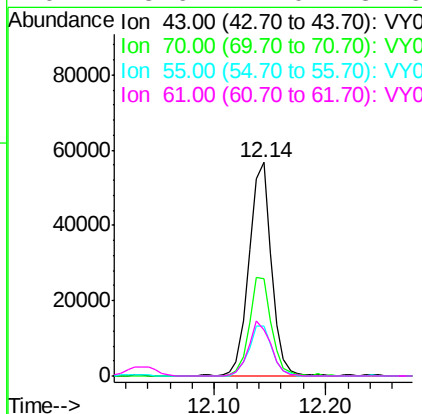
Manual Integrations  
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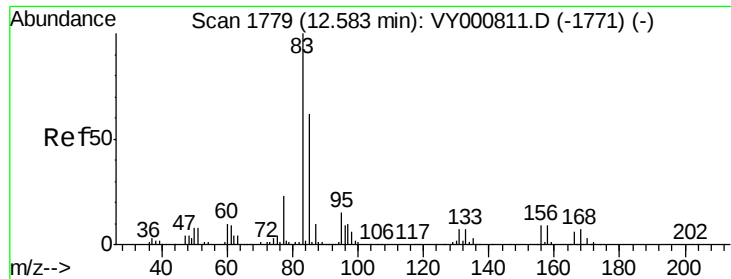
MMDadoda  
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#74  
N-ethyl acetate  
Concen: 18.398 ug/l  
RT: 12.14 min Scan# 1707  
Delta R.T. 0.01 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 45.5  | 36.6  | 54.8  |
| 55      | 24.7  | 18.8  | 28.2  |
| 61      | 25.6  | 21.0  | 31.6  |





#75

1,1,2,2-Tetrachloroethane

Concen: 18.605 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

Instrument :

MSVOA\_Y

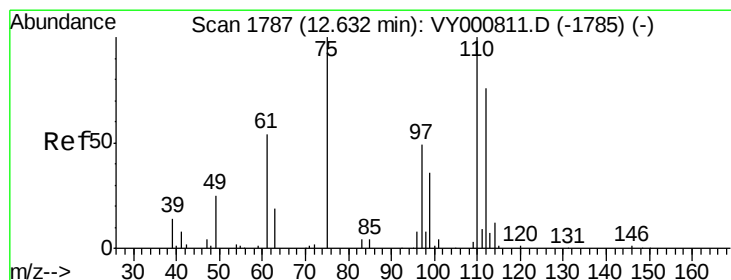
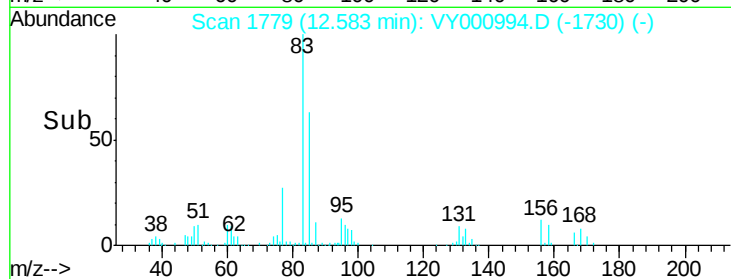
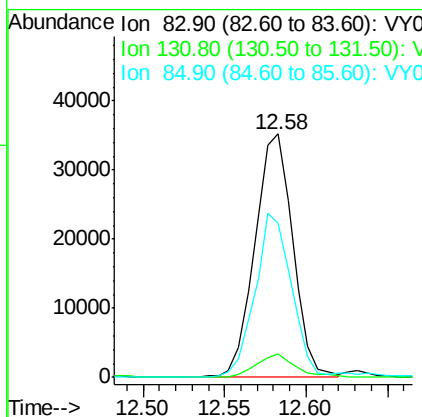
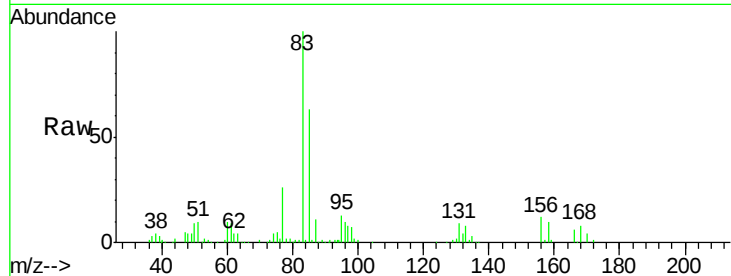
ClientSampleId :

VY1218SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 57088 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.5   | 4.3   | 13.1  |
| 85        | 64.3  | 32.4  | 97.0  |

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12/19/2019 11:10:52 AM



#76

1,2,3-Trichloropropane

Concen: 21.724 ug/l m

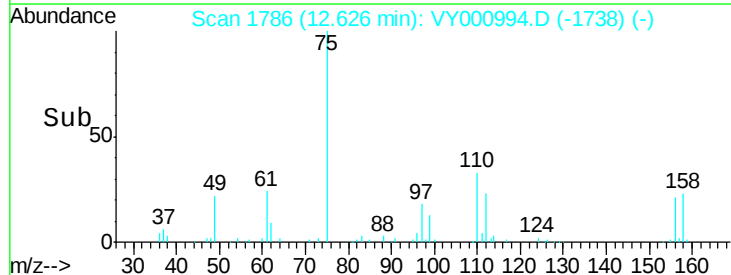
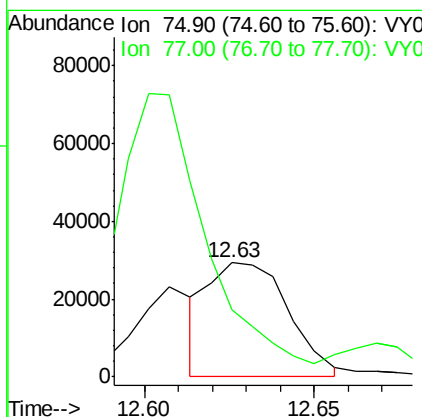
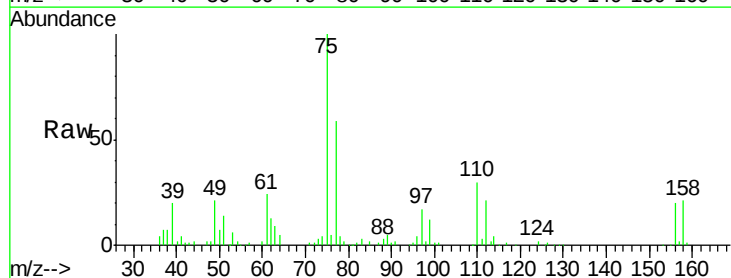
RT: 12.63 min Scan# 1786

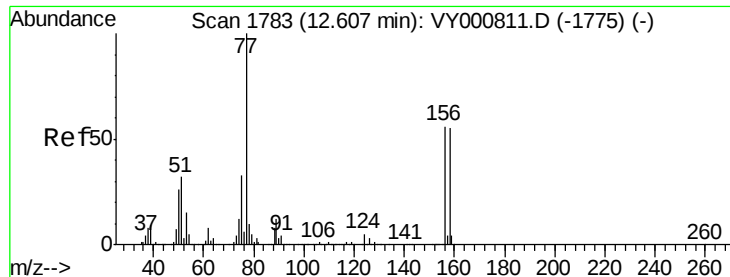
Delta R.T. -0.01 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 48139 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





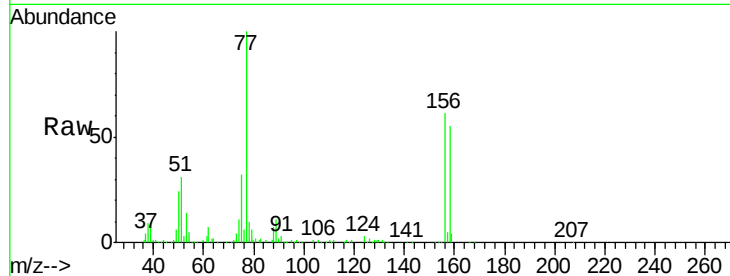
#77  
Bromobenzene  
Concen: 19.854 ug/l  
RT: 12.61 min Scan# 1783  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 202.1 | 102.6 | 307.7 |
| 158     | 98.0  | 47.6  | 142.8 |

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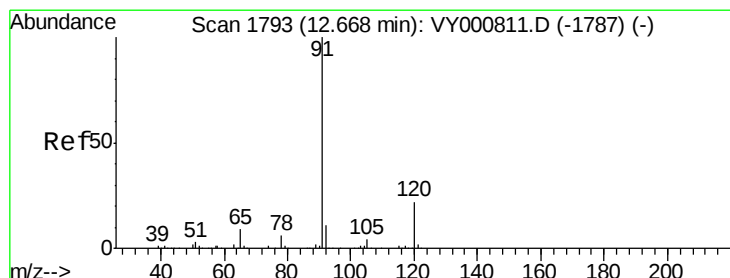
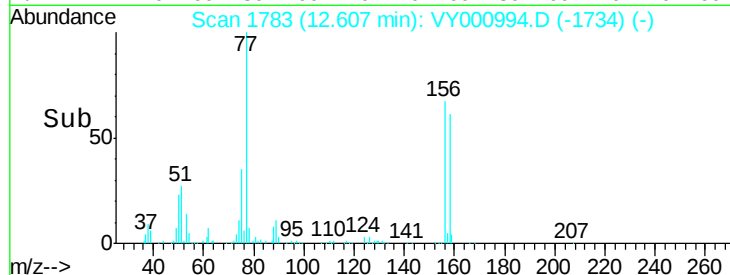
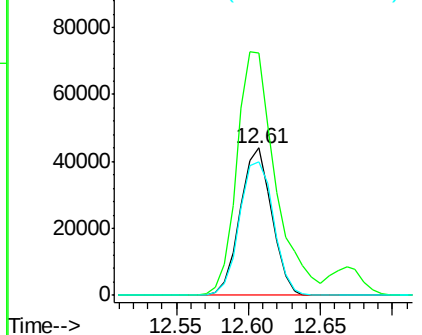


Abundance

Ion 155.80 (155.50 to 156.50): V

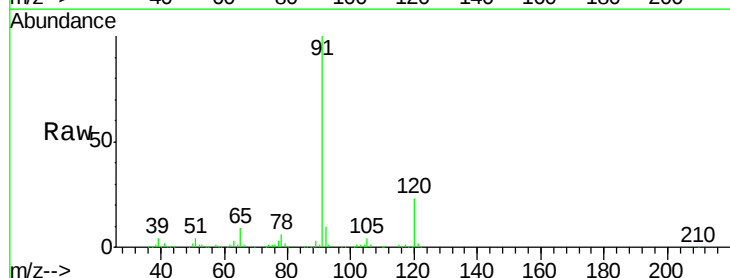
Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78  
n-propylbenzene  
Concen: 19.879 ug/l  
RT: 12.67 min Scan# 1793  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

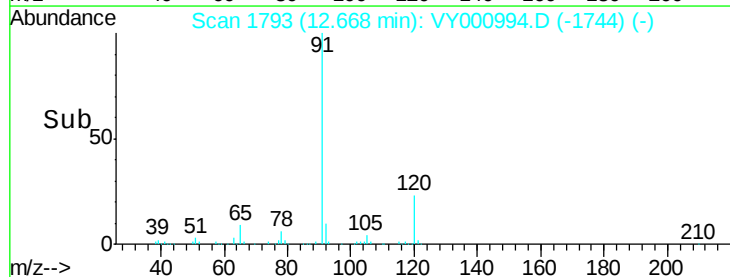
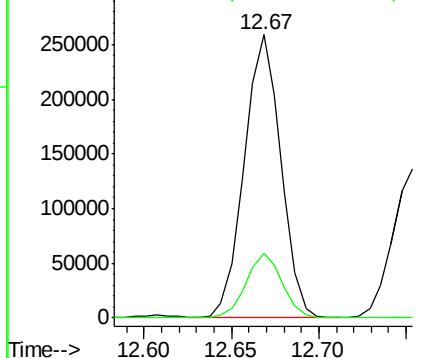
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 22.4  | 11.2  | 33.5  |

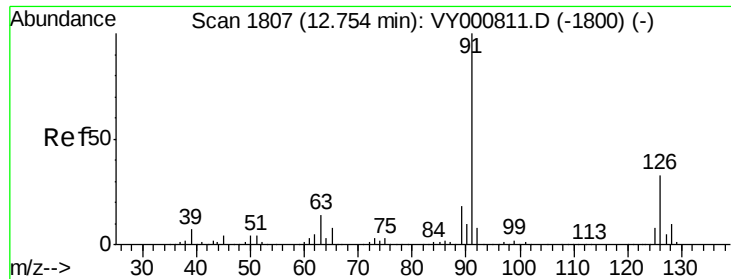


Abundance

Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





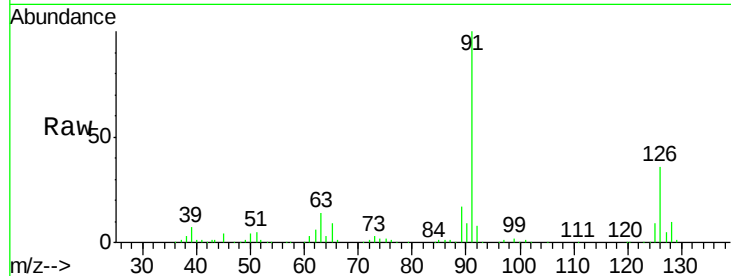
#79  
2-Chlorotoluene  
Concen: 19.518 ug/l  
RT: 12.75 min Scan# 1807  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

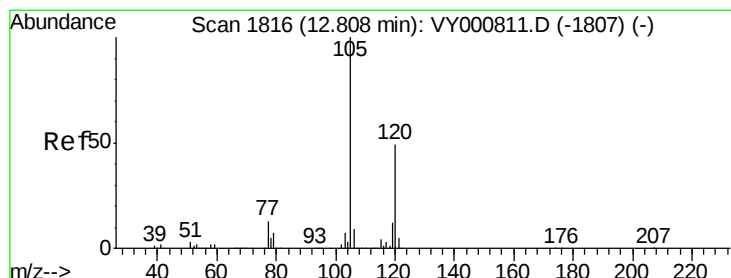
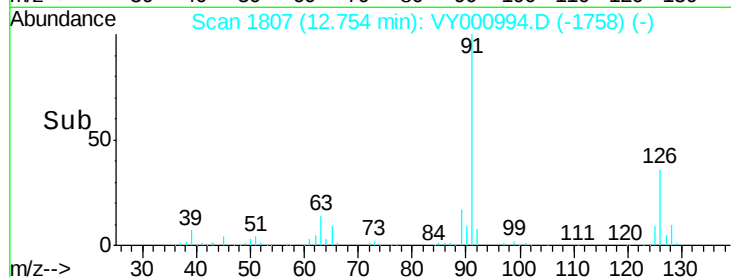
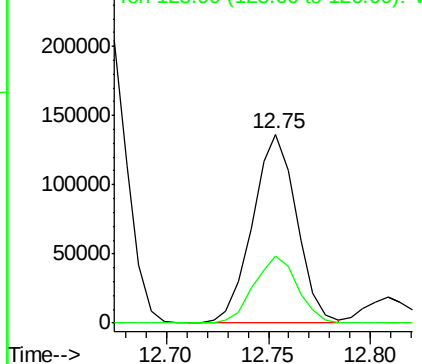
Tot Ion: 91 Resp: 205034  
Ion Ratio Lower Upper  
91 100  
126 35.3 17.0 51.0

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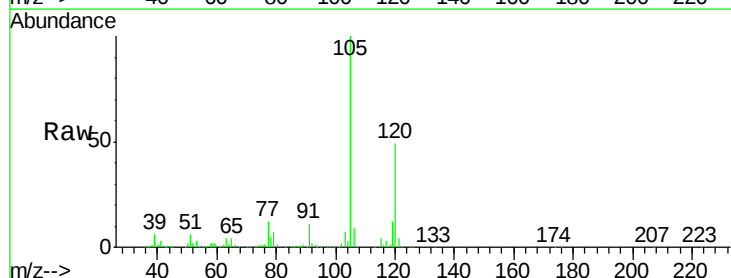


Abundance Ion 91.00 (90.70 to 91.70): VY000994.D (-1758) (-)  
Ion 125.90 (125.60 to 126.60): VY000994.D (-1758) (-)

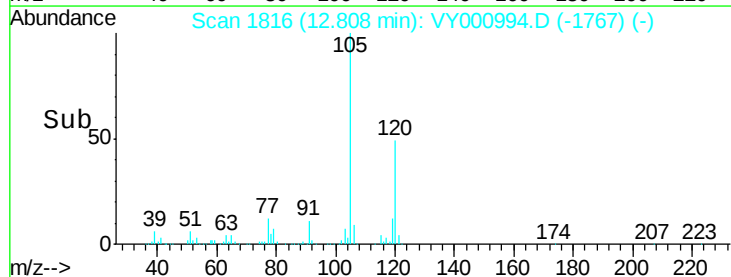
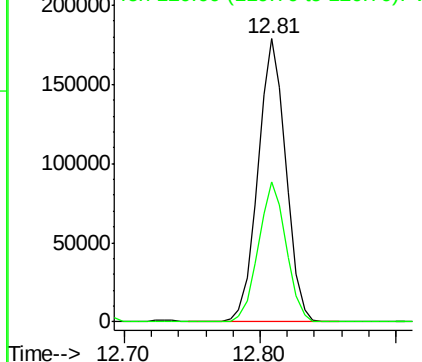


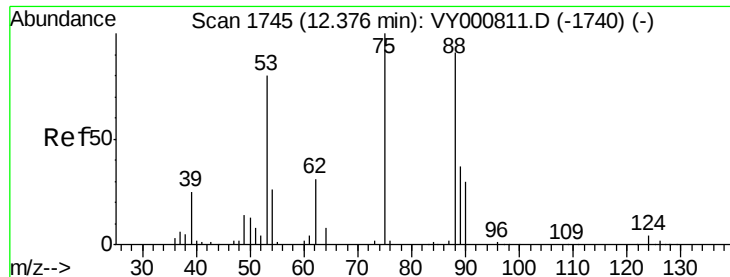
#80  
1,3,5-Trimethylbenzene  
Concen: 20.018 ug/l  
RT: 12.81 min Scan# 1816  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Tgt Ion: 105 Resp: 258115  
Ion Ratio Lower Upper  
105 100  
120 49.4 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VY000994.D (-1767) (-)  
Ion 120.00 (119.70 to 120.70): VY000994.D (-1767) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.586 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

Instrument :

MSVOA\_Y

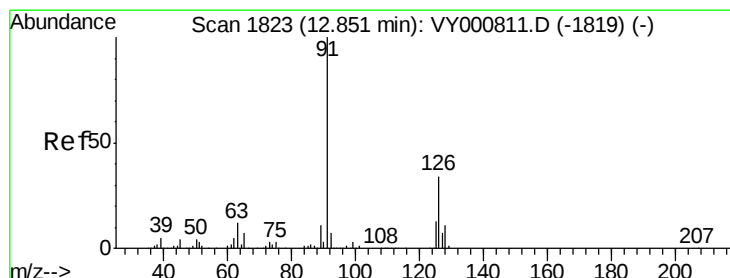
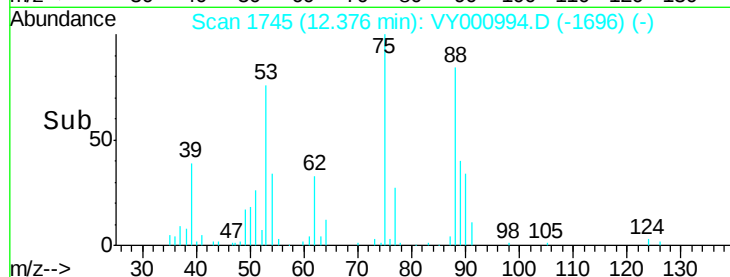
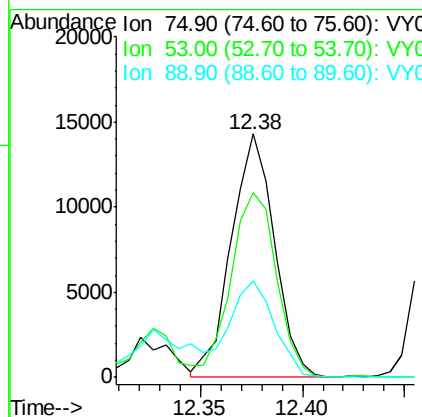
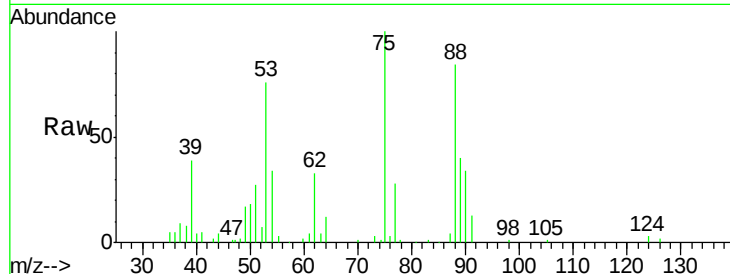
ClientSampleId :

VY1218SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 20967 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 79.0  | 64.6  | 96.8  |
| 89        | 41.6  | 33.6  | 50.4  |

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#82

4-Chlorotoluene

Concen: 20.123 ug/l

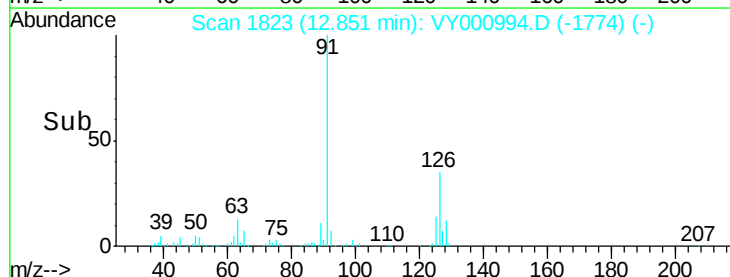
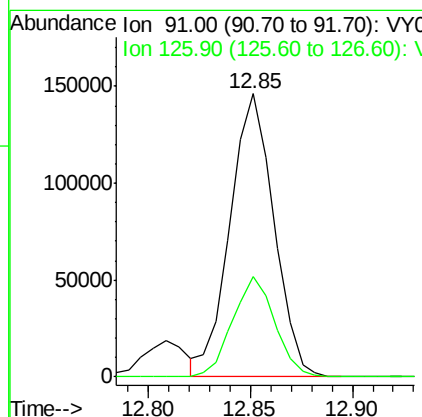
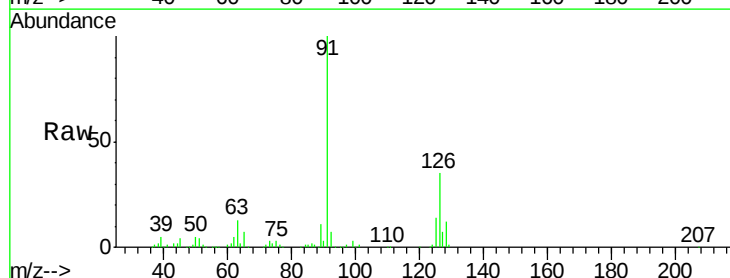
RT: 12.85 min Scan# 1823

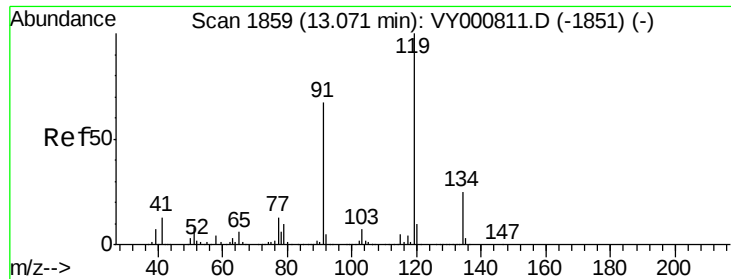
Delta R.T. 0.00 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 217782 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 34.2  | 17.3  | 51.9   |





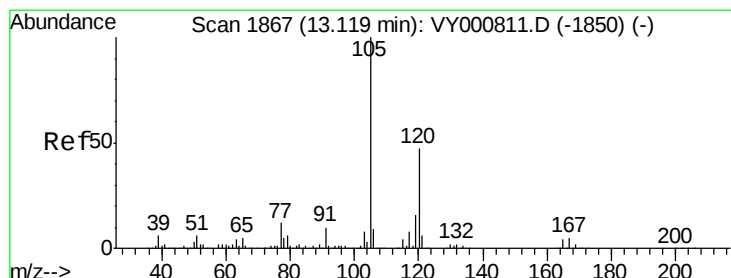
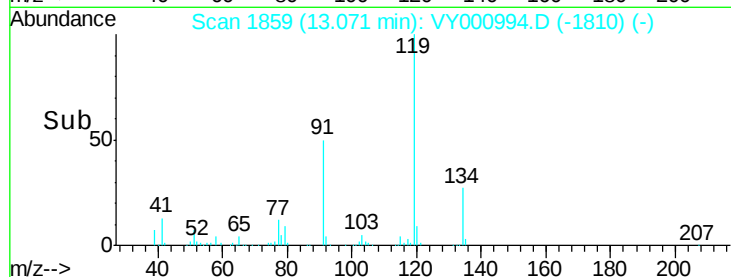
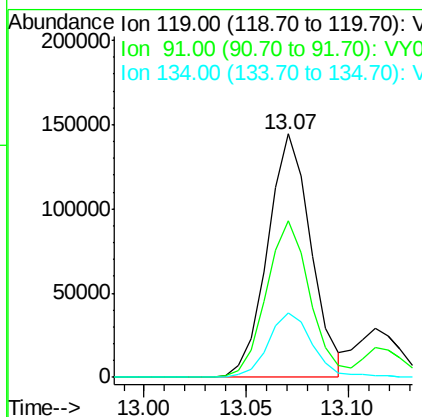
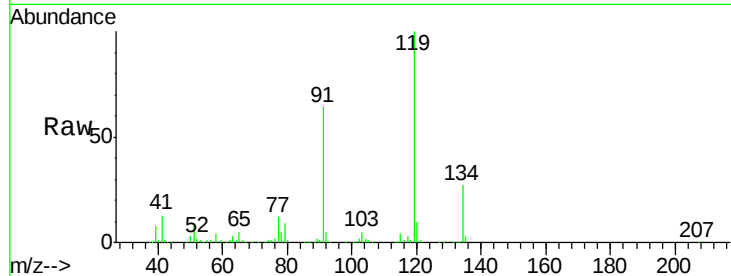
#83  
tert-Butylbenzene  
Concen: 19.748 ug/l  
RT: 13.07 min Scan# 1859  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 65.0  | 32.3  | 96.8  |
| 134     | 27.3  | 12.9  | 38.7  |

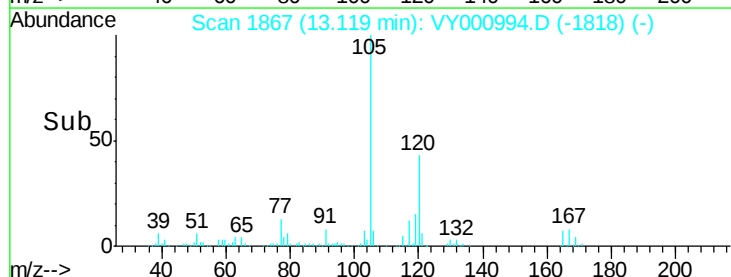
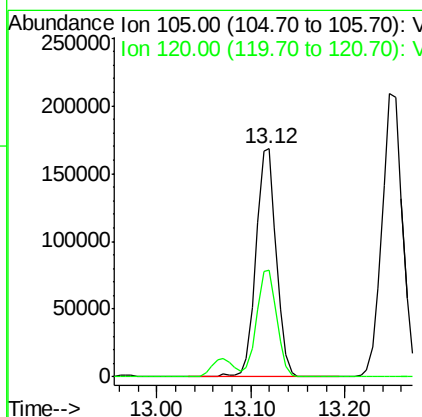
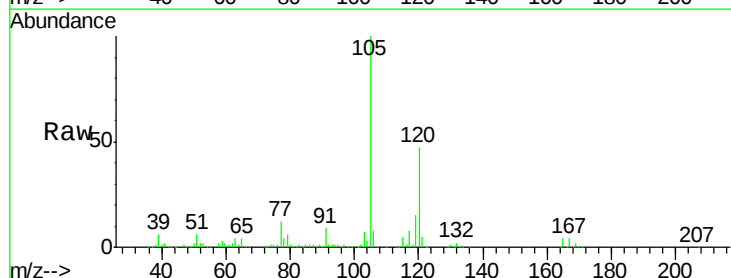
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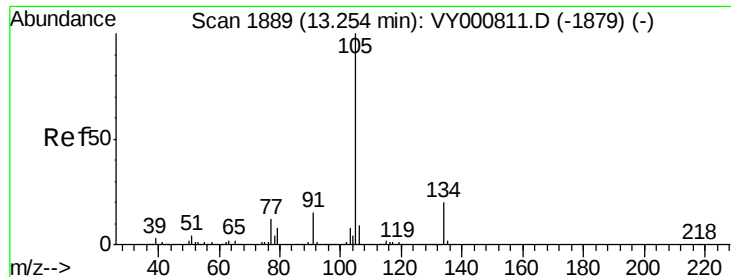
MMDadoda  
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#84  
1,2,4-Trimethylbenzene  
Concen: 19.911 ug/l  
RT: 13.12 min Scan# 1867  
Delta R.T. -0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.5  | 22.6  | 67.8  |





#85

sec-Butylbenzene

Concen: 19.988 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

Instrument :

MSVOA\_Y

ClientSampleId :

VY1218SBS01

Tot Ion:105 Resp: 315129

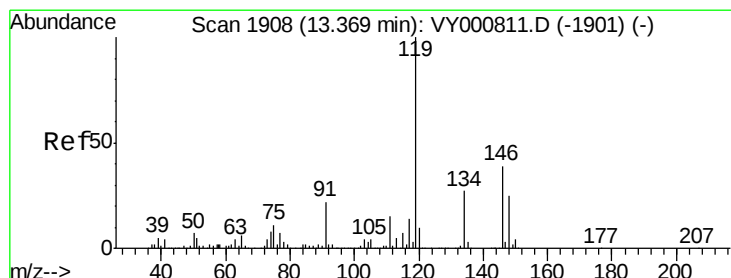
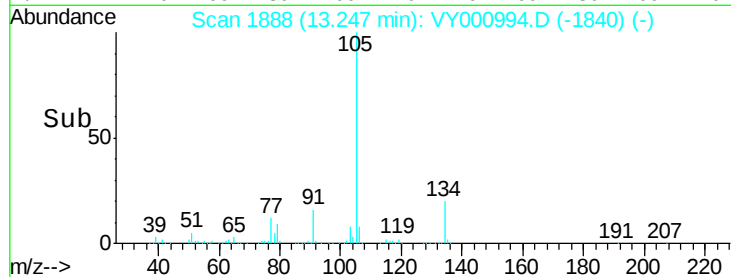
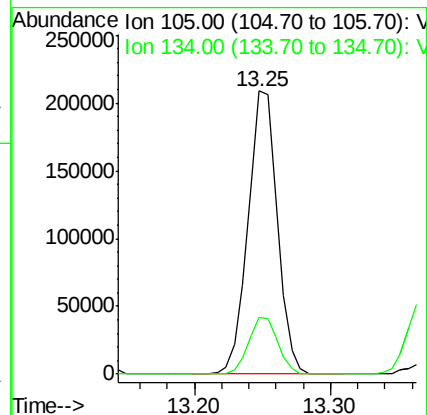
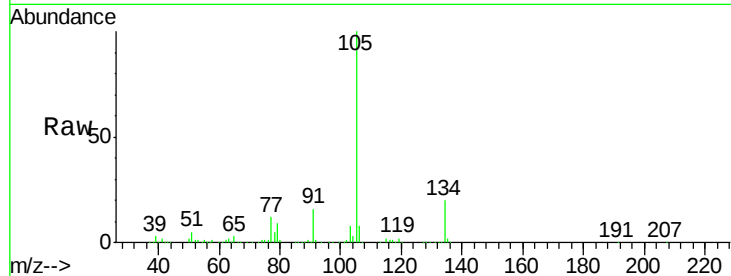
Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1

Manual Integrations  
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#86

p-Isopropyltoluene

Concen: 20.380 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.01 min

Lab File: VY000994.D

Acq: 18 Dec 2019 13:04

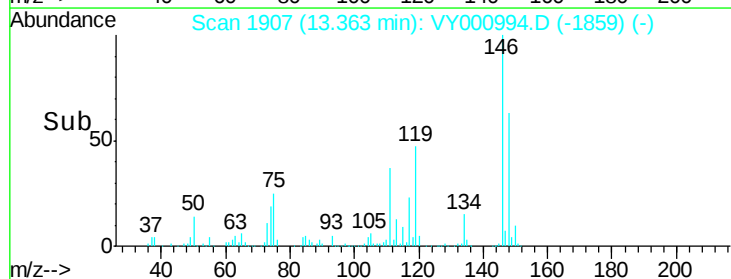
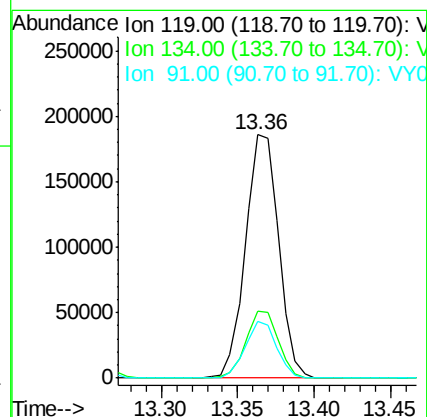
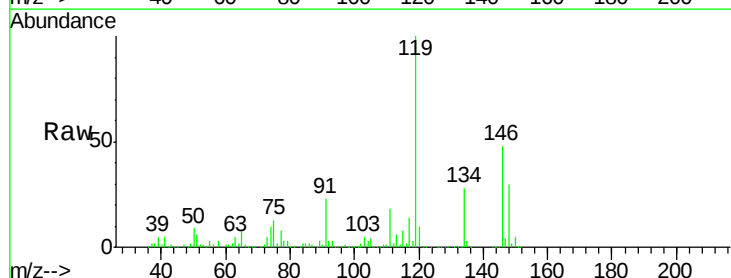
Tgt Ion:119 Resp: 279467

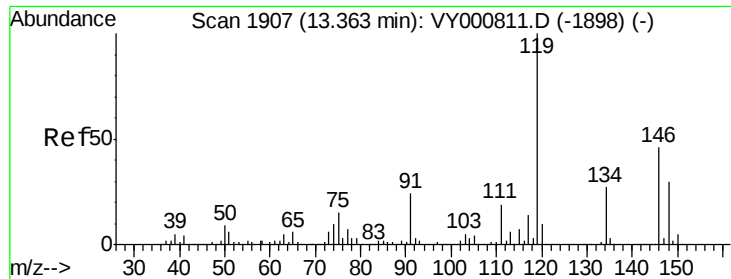
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.3 11.5 34.5





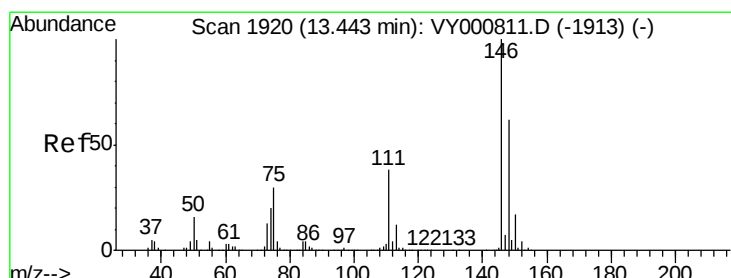
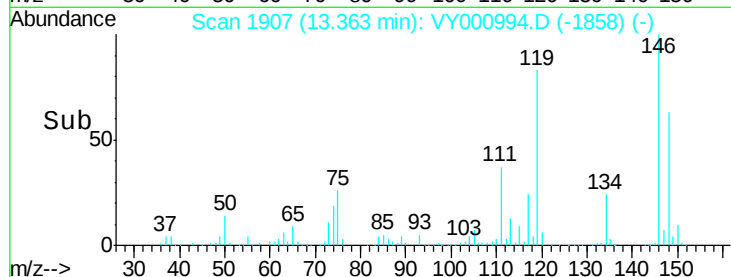
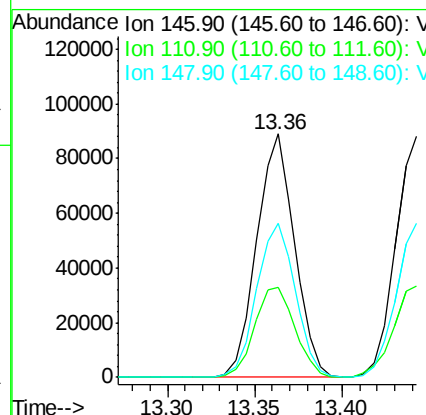
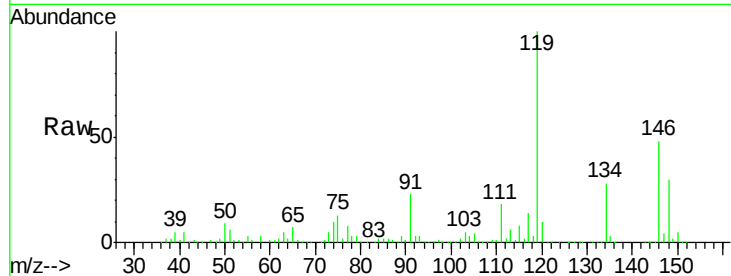
#87  
1,3-Dichlorobenzene  
Concen: 20.231 ug/l  
RT: 13.36 min Scan# 1907  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.4  | 20.0  | 60.0  |
| 148     | 64.3  | 32.1  | 96.5  |

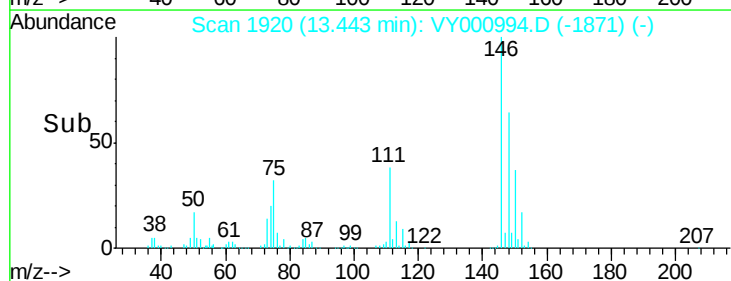
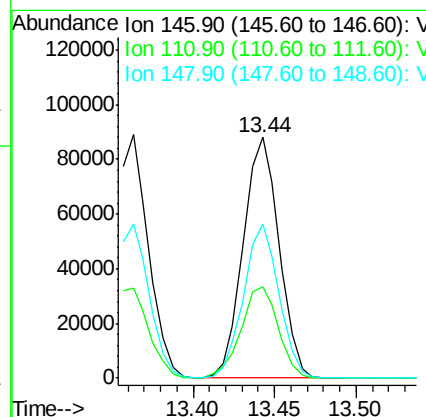
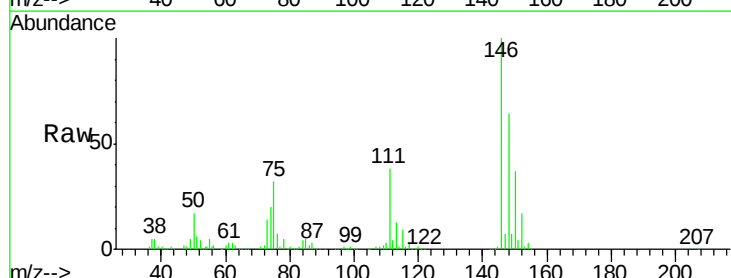
Manual Integrations  
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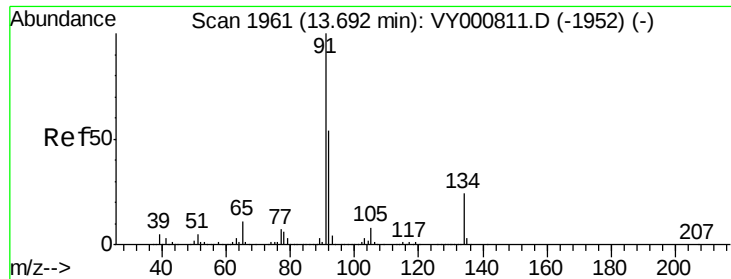
MMDadoda  
12/19/2019 11:10:52 AM



#88  
1,4-Dichlorobenzene  
Concen: 20.618 ug/l  
RT: 13.44 min Scan# 1920  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 20.0  | 59.9  |
| 148     | 63.0  | 31.7  | 95.1  |





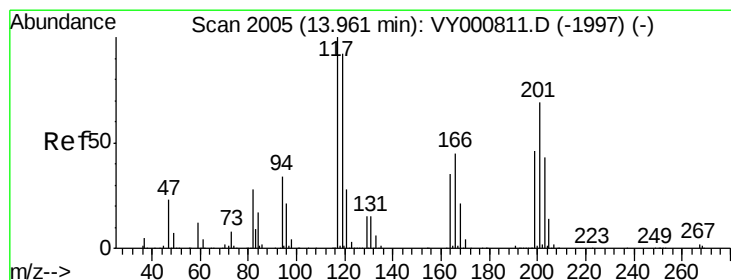
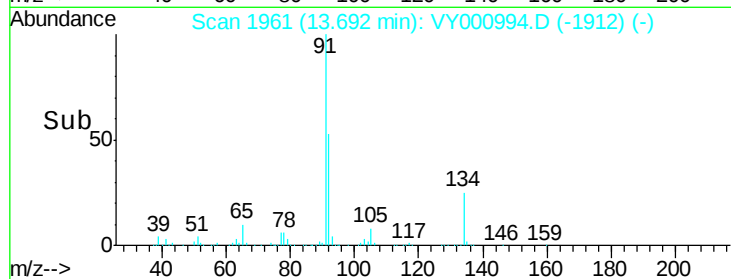
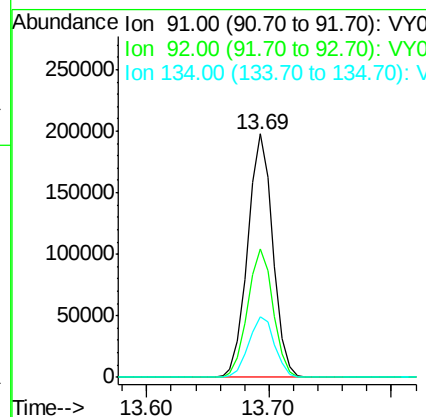
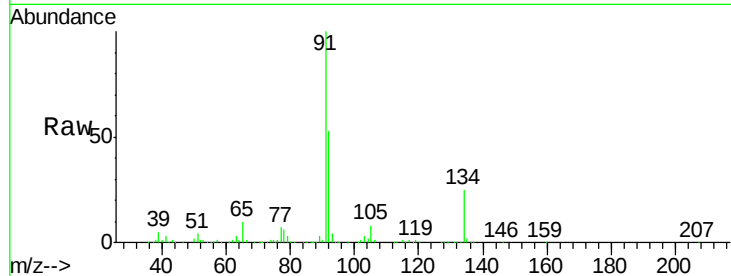
#89  
n-Butylbenzene  
Concen: 20.298 ug/l  
RT: 13.69 min Scan# 1961  
Delta R.T. -0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.6  | 26.9  | 80.7  |
| 134     | 25.8  | 12.6  | 37.6  |

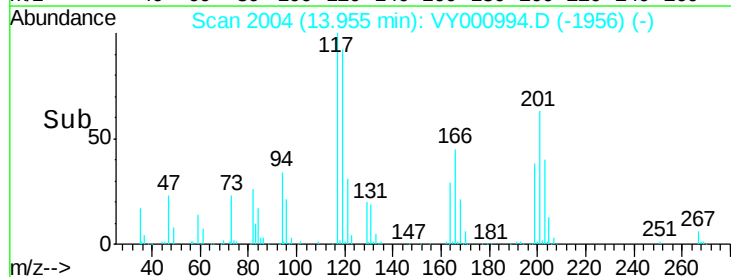
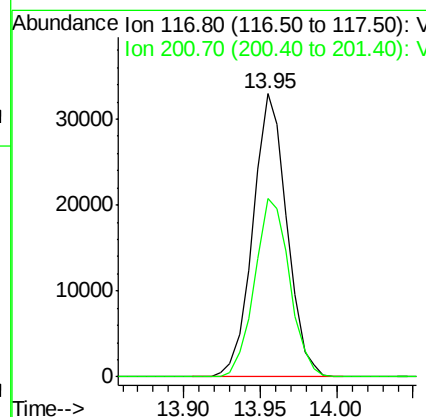
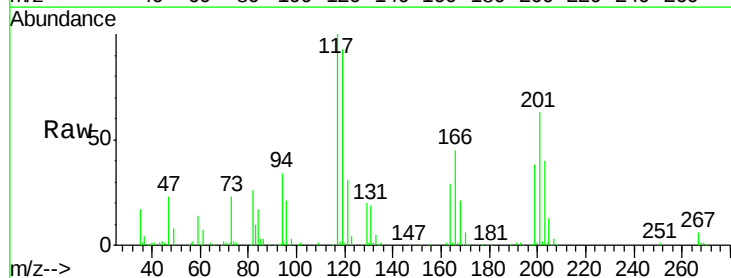
Manual Integrations  
APPROVED

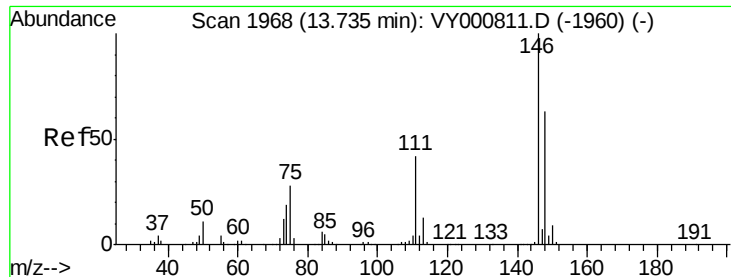
MMDadoda  
12/19/2019 11:10:52 AM



#90  
Hexachloroethane  
Concen: 20.104 ug/l  
RT: 13.95 min Scan# 2004  
Delta R.T. -0.01 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 65.0  | 34.0  | 102.0 |





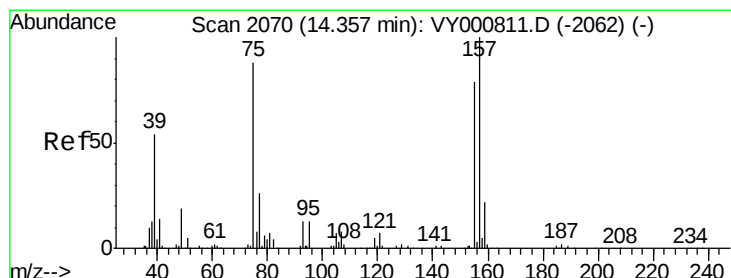
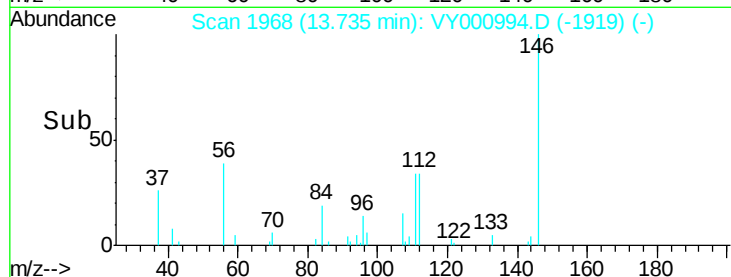
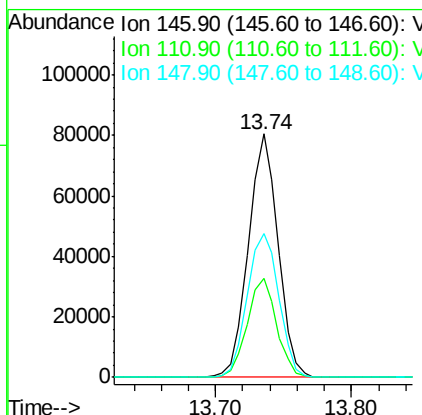
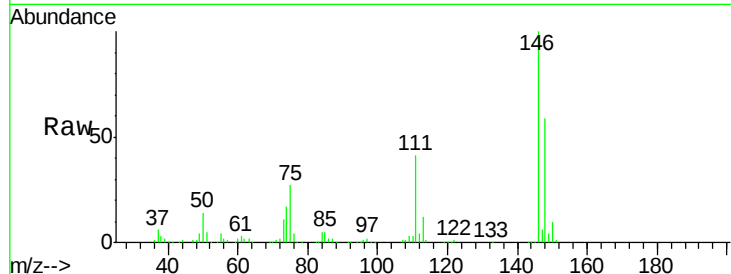
#91  
 1,2-Dichlorobenzene  
 Concen: 20.613 ug/l  
 RT: 13.74 min Scan# 1968  
 Delta R.T. 0.00 min  
 Lab File: VY000994.D  
 Acq: 18 Dec 2019 13:04

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1218SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.7  | 20.9  | 62.7  |
| 148     | 63.3  | 32.1  | 96.3  |

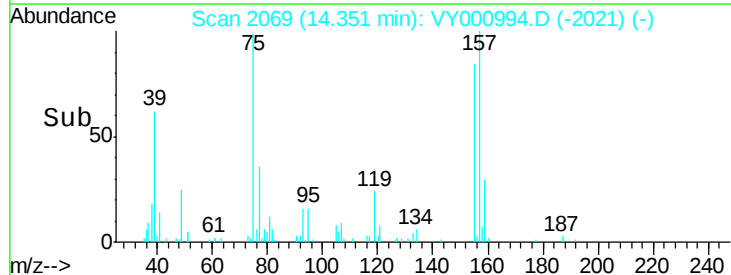
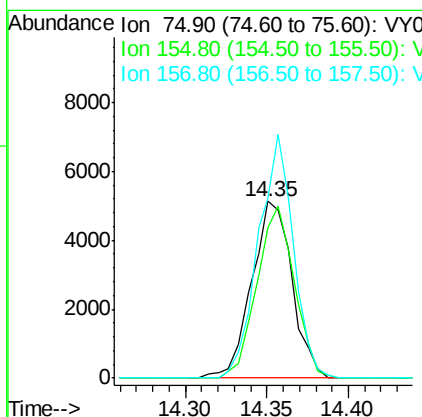
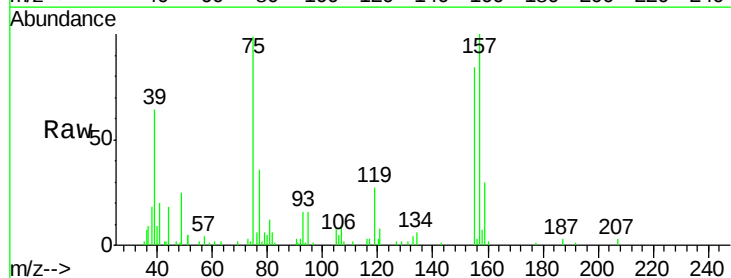
Manual Integrations  
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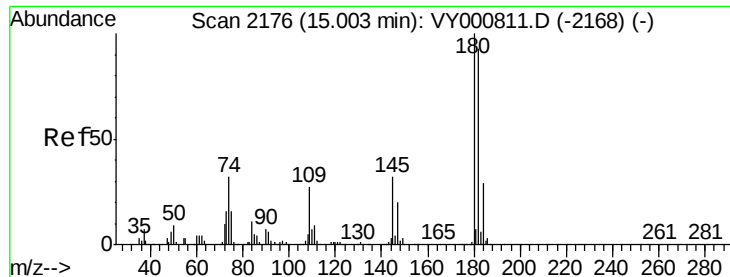
MMDadoda  
 12/19/2019 11:10:52 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 17.072 ug/l  
 RT: 14.35 min Scan# 2069  
 Delta R.T. -0.01 min  
 Lab File: VY000994.D  
 Acq: 18 Dec 2019 13:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 90.6  | 44.3  | 132.9 |
| 157     | 119.0 | 56.3  | 168.9 |





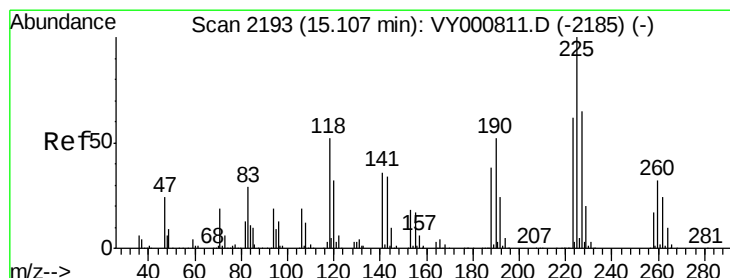
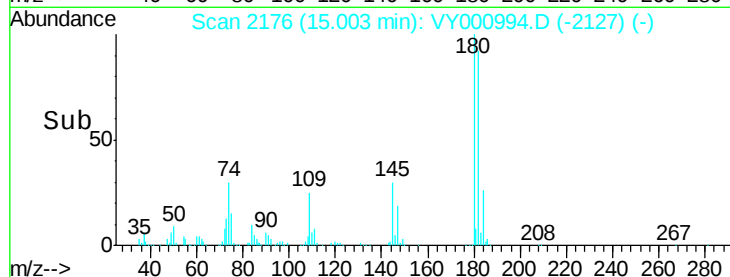
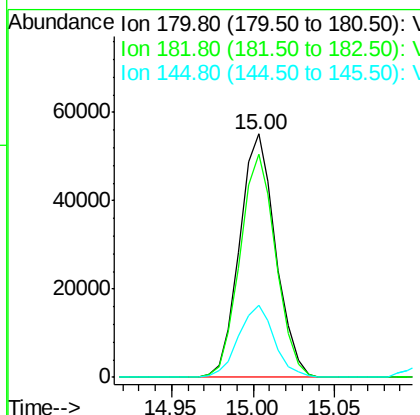
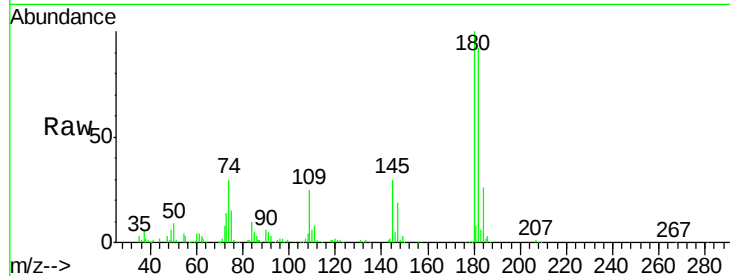
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.973 ug/l  
 RT: 15.00 min Scan# 2176  
 Delta R.T. 0.00 min  
 Lab File: VY000994.D  
 Acq: 18 Dec 2019 13:04

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1218SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 91.4  | 47.3  | 141.9 |
| 145     | 29.6  | 16.0  | 47.9  |

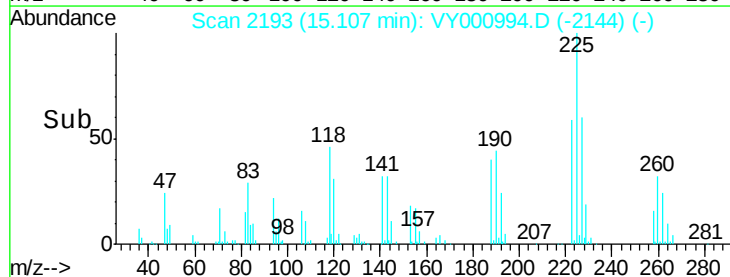
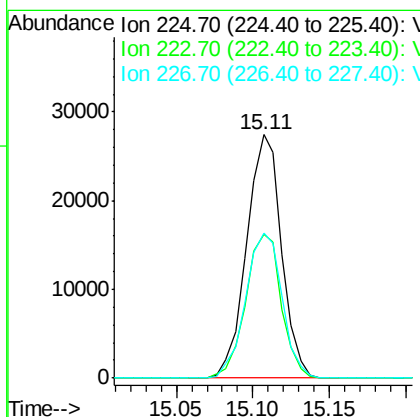
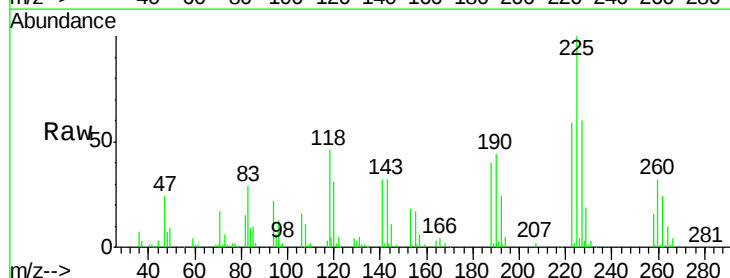
Manual Integrations  
 APPROVED

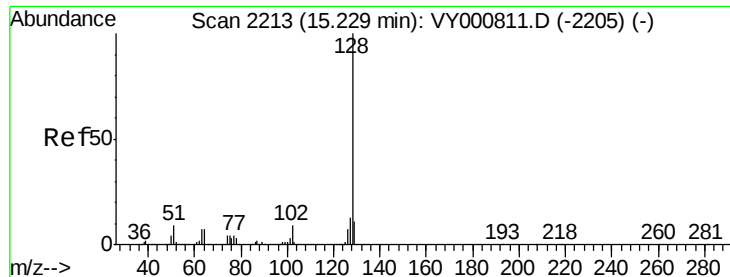
MMDadoda  
 12/19/2019 11:10:52 AM



#94  
 Hexachlorobutadiene  
 Concen: 21.691 ug/l  
 RT: 15.11 min Scan# 2193  
 Delta R.T. 0.00 min  
 Lab File: VY000994.D  
 Acq: 18 Dec 2019 13:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 60.6  | 31.4  | 94.3  |
| 227     | 62.5  | 31.8  | 95.3  |





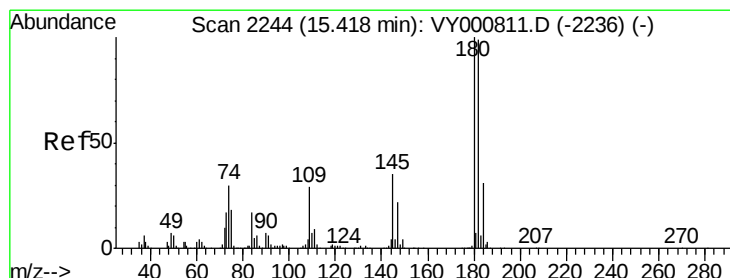
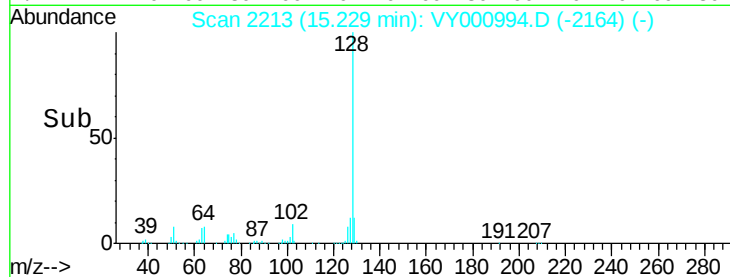
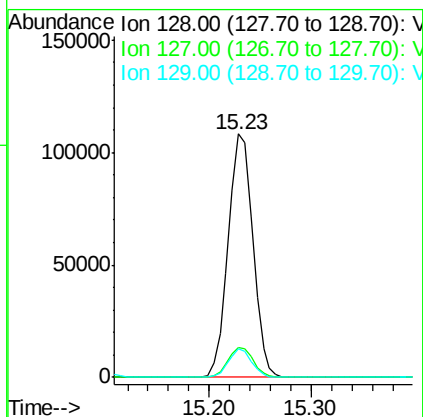
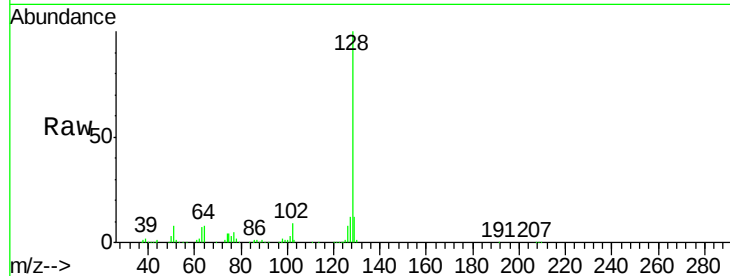
#95  
Naphthalene  
Concen: 19.361 ug/l  
RT: 15.23 min Scan# 2213  
Delta R.T. 0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1218SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 181204 |       |       |
| 127     | 12.6  | 10.1   | 15.1  |       |
| 129     | 10.8  | 8.8    | 13.2  |       |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 20.638 ug/l  
RT: 15.42 min Scan# 2244  
Delta R.T. -0.00 min  
Lab File: VY000994.D  
Acq: 18 Dec 2019 13:04

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 74300 |       |       |
| 182     | 96.2  | 48.0  | 144.0 |       |
| 145     | 32.3  | 16.9  | 50.6  |       |

