

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100919\  
 Data File : VY000245.D  
 Acq On : 09 Oct 2019 15:51  
 Operator : SY/MD  
 Sample : 0.5PPBMDL  
 Misc : 5.0ml/MSVOA Y/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 0.5PPBMDL

Manual Integrations  
 APPROVED

MMDadoda  
 10/11/2019 8:40:44 AM

Quant Time: Oct 10 02:21:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y100819W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 10 02:06:22 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 312952   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.70  | 114  | 513591   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 450784   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 206654   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.16   | 65  | 193566   | 48.09 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.18% |      |
| 35) Dibromofluoromethane  | 7.74   | 113 | 152748   | 47.73 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.46% |      |
| 50) Toluene-d8            | 10.19  | 98  | 571461   | 45.46 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.92% |      |
| 62) 4-Bromofluorobenzene  | 12.48  | 95  | 193019   | 43.51 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 87.02% |      |

## Target Compounds

|                               |      |     |       |       | Qvalue    |
|-------------------------------|------|-----|-------|-------|-----------|
| 2) Dichlorodifluoromethane    | 1.90 | 85  | 1331  | 0.426 | ug/l 76   |
| 3) Chloromethane              | 2.12 | 50  | 2431  | 0.571 | ug/l 93   |
| 4) Vinyl Chloride             | 2.26 | 62  | 1948  | 0.443 | ug/l 100  |
| 5) Bromomethane               | 2.66 | 94  | 2104  | 0.759 | ug/l # 74 |
| 6) Chloroethane               | 2.80 | 64  | 1530  | 0.551 | ug/l 99   |
| 7) Trichlorofluoromethane     | 3.12 | 101 | 3198  | 0.563 | ug/l # 75 |
| 8) Diethyl Ether              | 3.54 | 74  | 1345  | 0.518 | ug/l 95   |
| 9) 1,1,2-Trichlorotrifluoroet | 3.90 | 101 | 1700  | 0.513 | ug/l # 70 |
| 10) Methyl Iodide             | 4.10 | 142 | 1303  | 0.267 | ug/l # 93 |
| 11) Tert butyl alcohol        | 4.96 | 59  | 11127 | 5.089 | ug/l # 88 |
| 12) 1,1-Dichloroethene        | 3.87 | 96  | 1888  | 0.549 | ug/l # 50 |
| 13) Acrolein                  | 3.74 | 56  | 3045  | 2.653 | ug/l 98   |
| 14) Allyl chloride            | 4.49 | 41  | 2659  | 0.459 | ug/l # 58 |
| 15) Acrylonitrile             | 5.19 | 53  | 9900  | 2.565 | ug/l # 78 |
| 16) Acetone                   | 3.97 | 43  | 9195  | 2.884 | ug/l # 67 |
| 17) Carbon Disulfide          | 4.19 | 76  | 4492  | 0.443 | ug/l # 88 |
| 18) Methyl Acetate            | 4.51 | 43  | 4273m | 0.489 | ug/l      |
| 19) Methyl tert-butyl Ether   | 5.24 | 73  | 6940  | 0.551 | ug/l # 89 |
| 20) Methylene Chloride        | 4.74 | 84  | 2954  | 0.705 | ug/l # 64 |
| 21) trans-1,2-Dichloroethene  | 5.23 | 96  | 2326  | 0.601 | ug/l # 65 |
| 22) Diisopropyl ether         | 6.14 | 45  | 6216  | 0.463 | ug/l # 94 |
| 23) Vinyl Acetate             | 6.08 | 43  | 26248 | 2.158 | ug/l 95   |
| 24) 1,1-Dichloroethane        | 6.02 | 63  | 3396m | 0.496 | ug/l      |
| 25) 2-Butanone                | 7.01 | 43  | 14552 | 2.468 | ug/l 98   |
| 26) 2,2-Dichloropropane       | 6.99 | 77  | 4111  | 0.665 | ug/l # 66 |
| 27) cis-1,2-Dichloroethene    | 7.01 | 96  | 2200  | 0.483 | ug/l # 12 |
| 28) Bromochloromethane        | 7.35 | 49  | 1415  | 0.627 | ug/l # 81 |
| 29) Tetrahydrofuran           | 7.36 | 42  | 9581  | 2.300 | ug/l 96   |
| 30) Chloroform                | 7.52 | 83  | 3973  | 0.559 | ug/l 85   |
| 31) Cyclohexane               | 7.80 | 56  | 9450  | 1.366 | ug/l # 17 |
| 32) 1,1,1-Trichloroethane     | 7.72 | 97  | 3350  | 0.554 | ug/l # 50 |
| 36) 1,1-Dichloropropene       | 7.93 | 75  | 2570  | 0.492 | ug/l 86   |
| 37) Ethyl Acetate             | 7.10 | 43  | 4677  | 0.495 | ug/l # 79 |
| 38) Carbon Tetrachloride      | 7.92 | 117 | 2733m | 0.537 | ug/l      |

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Manual Integrations  
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 Quant Title : SW846 8260  
 QLast Update : Thu Oct 10 02:06:22 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.19  | 83   | 3205     | 0.489  | ug/l   | 92       |
| 40) Benzene                    | 8.17  | 78   | 7938     | 0.501  | ug/l # | 81       |
| 41) Methacrylonitrile          | 7.36  | 41   | 3917m    | 0.527  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.25  | 62   | 3359     | 0.652  | ug/l   | 82       |
| 43) Isopropyl Acetate          | 8.28  | 43   | 5854     | 0.481  | ug/l # | 86       |
| 44) Trichloroethene            | 8.94  | 130  | 2315     | 0.539  | ug/l   | 68       |
| 45) 1,2-Dichloropropane        | 9.22  | 63   | 1749     | 0.440  | ug/l # | 63       |
| 46) Dibromomethane             | 9.32  | 93   | 1589     | 0.571  | ug/l # | 79       |
| 47) Bromodichloromethane       | 9.50  | 83   | 2868     | 0.527  | ug/l # | 98       |
| 48) Methyl methacrylate        | 9.30  | 41   | 2933     | 0.534  | ug/l   | 93       |
| 49) 1,4-Dioxane                | 9.32  | 88   | 1531     | 10.866 | ug/l # | 25       |
| 51) 4-Methyl-2-Pentanone       | 10.08 | 43   | 21713    | 2.376  | ug/l   | 96       |
| 52) Toluene                    | 10.25 | 92   | 4414     | 0.434  | ug/l   | 92       |
| 53) t-1,3-Dichloropropene      | 10.47 | 75   | 2985     | 0.483  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 9.94  | 75   | 3394     | 0.508  | ug/l   | 89       |
| 55) 1,1,2-Trichloroethane      | 10.66 | 97   | 2188     | 0.546  | ug/l # | 74       |
| 56) Ethyl methacrylate         | 10.52 | 69   | 3081     | 0.437  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.79 | 76   | 3781     | 0.552  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.79  | 63   | 7040     | 2.238  | ug/l   | 91       |
| 59) 2-Hexanone                 | 10.84 | 43   | 17721    | 2.288  | ug/l   | 95       |
| 60) Dibromochloromethane       | 10.99 | 129  | 1997     | 0.471  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.09 | 107  | 2138     | 0.502  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.72 | 164  | 2735     | 0.664  | ug/l # | 78       |
| 65) Chlorobenzene              | 11.52 | 112  | 5544     | 0.531  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.59 | 131  | 1921     | 0.514  | ug/l # | 63       |
| 67) Ethyl Benzene              | 11.60 | 91   | 10169    | 0.545  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.70 | 106  | 7108     | 0.998  | ug/l   | 91       |
| 69) o-Xylene                   | 12.03 | 106  | 2955     | 0.430  | ug/l   | 80       |
| 70) Styrene                    | 12.05 | 104  | 4952     | 0.419  | ug/l   | 92       |
| 71) Bromoform                  | 12.21 | 173  | 1469     | 0.477  | ug/l # | 77       |
| 73) Isopropylbenzene           | 12.33 | 105  | 7813     | 0.446  | ug/l   | 86       |
| 74) N-amyl acetate             | 12.14 | 43   | 3878     | 0.465  | ug/l # | 88       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.58 | 83   | 3138     | 0.525  | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75   | 2681m    | 0.491  | ug/l   |          |
| 77) Bromobenzene               | 12.61 | 156  | 2507     | 0.611  | ug/l   | 84       |
| 78) n-propylbenzene            | 12.67 | 91   | 9232     | 0.451  | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 12.76 | 91   | 6106     | 0.518  | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene     | 12.81 | 105  | 6704     | 0.459  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-buten | 12.39 | 75   | 1248m    | 0.472  | ug/l   |          |
| 82) 4-Chlorotoluene            | 12.86 | 91   | 5999     | 0.503  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.08 | 119  | 5828     | 0.459  | ug/l   | 89       |
| 84) 1,2,4-Trimethylbenzene     | 13.12 | 105  | 6632     | 0.454  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.25 | 105  | 7752     | 0.443  | ug/l   | 90       |
| 86) p-Isopropyltoluene         | 13.36 | 119  | 7114     | 0.462  | ug/l   | 93       |
| 87) 1,3-Dichlorobenzene        | 13.37 | 146  | 4354     | 0.585  | ug/l   | 93       |
| 88) 1,4-Dichlorobenzene        | 13.45 | 146  | 4656m    | 0.601  | ug/l   |          |
| 89) n-Butylbenzene             | 13.69 | 91   | 6363     | 0.439  | ug/l   | 96       |
| 90) Hexachloroethane           | 13.96 | 117  | 1437     | 0.493  | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene        | 13.74 | 146  | 4113     | 0.546  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.36 | 75   | 1098     | 0.588  | ug/l   | 88       |

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Sample : 0.5PPBMDL  
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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
0.5PPBMDL

Manual Integrations  
APPROVED

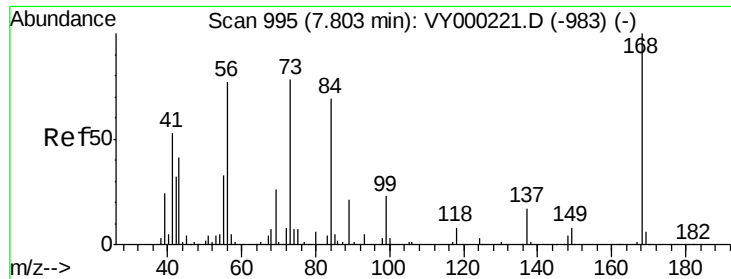
MMDadoda  
10/11/2019 8:40:44 AM

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Quant Title : SW846 8260  
QLast Update : Thu Oct 10 02:06:22 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|----------------------------|-------|------|----------|-------|--------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.00 | 180  | 2612     | 0.511 | ug/l   | 97       |
| 94) Hexachlorobutadiene    | 15.11 | 225  | 1100     | 0.450 | ug/l   | 91       |
| 95) Naphthalene            | 15.23 | 128  | 8662     | 0.450 | ug/l # | 94       |
| 96) 1,2,3-Trichlorobenzene | 15.42 | 180  | 2879     | 0.585 | ug/l   | 90       |

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





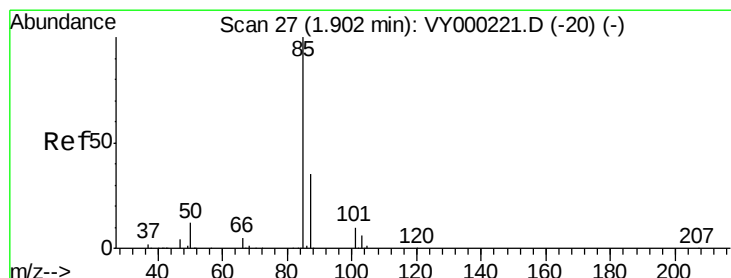
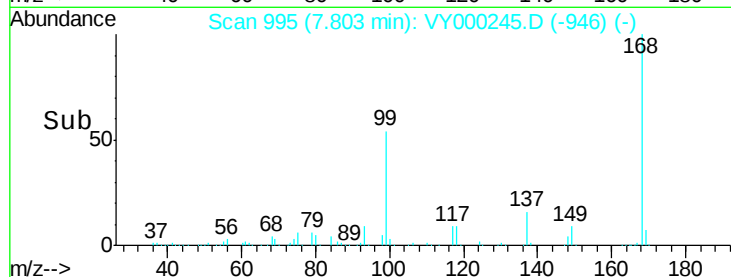
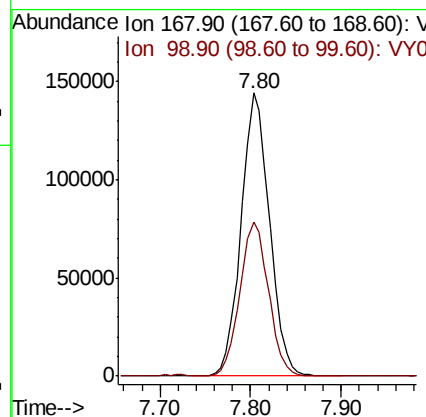
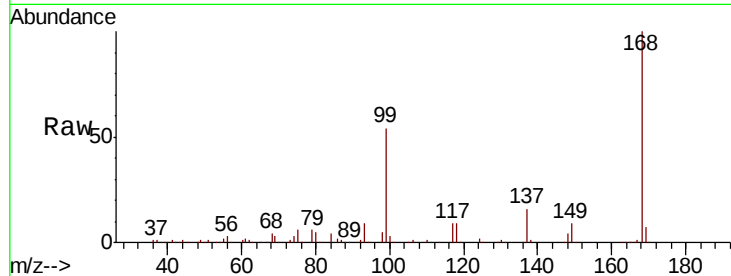
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.80 min Scan# 995  
Delta R.T. 0.00 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
0.5PPBMDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 99      | 54.3  | 45.0  | 67.6  |

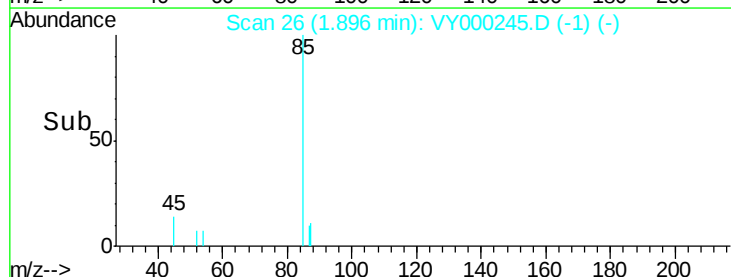
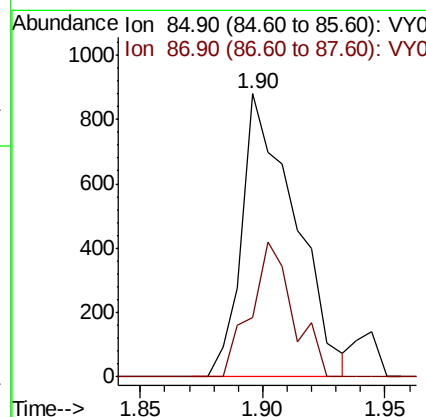
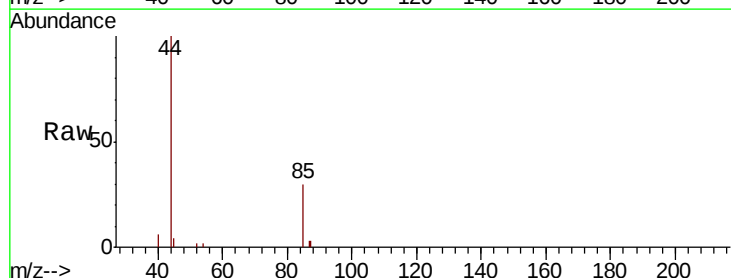
Manual Integrations  
APPROVED

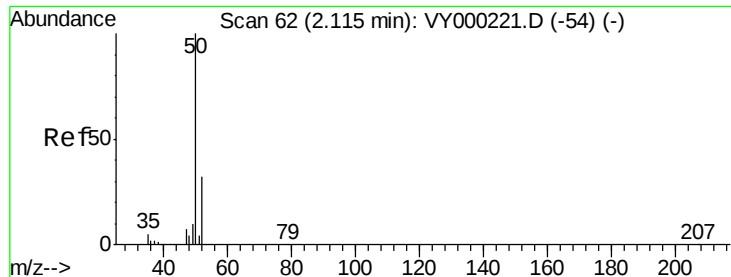
MMDadoda  
10/11/2019 8:40:44 AM



#2  
Dichlorodifluoromethane  
Concen: 0.426 ug/l  
RT: 1.90 min Scan# 26  
Delta R.T. -0.01 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 20.9  | 17.4  | 52.2  |





#3

Chloromethane

Concen: 0.571 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

Instrument :

MSVOA\_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 50 Resp: 2431

Ion Ratio Lower Upper

50 100

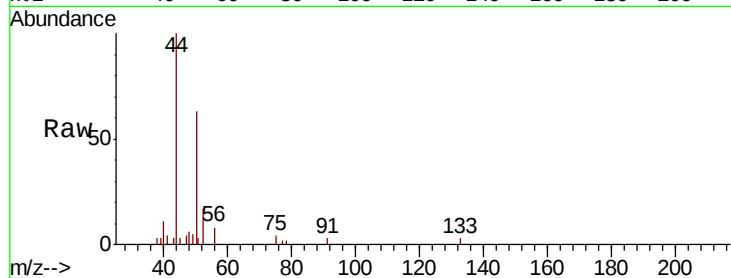
52 27.7 25.4 38.0

Manual Integrations

APPROVED

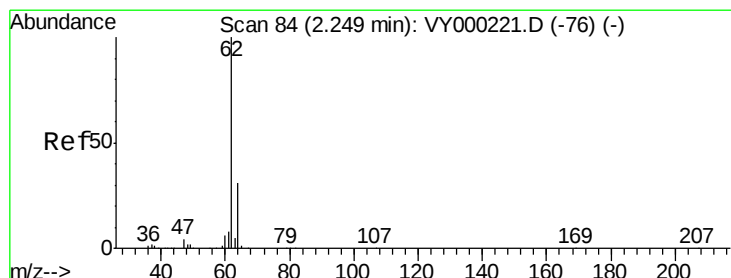
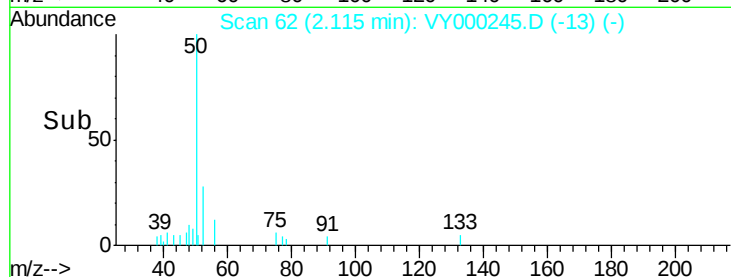
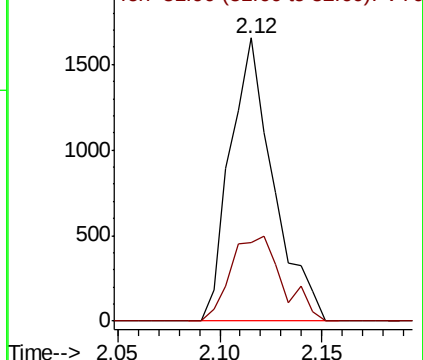
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10/11/2019 8:40:44 AM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 0.443 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000245.D

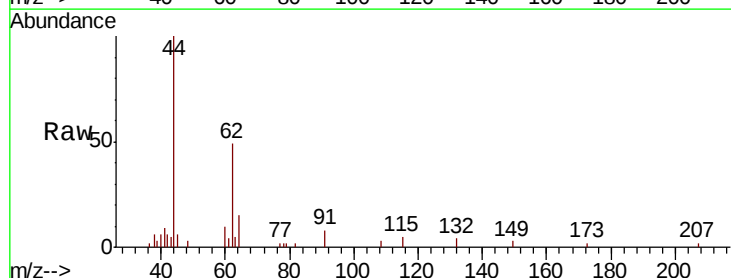
Acq: 09 Oct 2019 15:51

Tgt Ion: 62 Resp: 1948

Ion Ratio Lower Upper

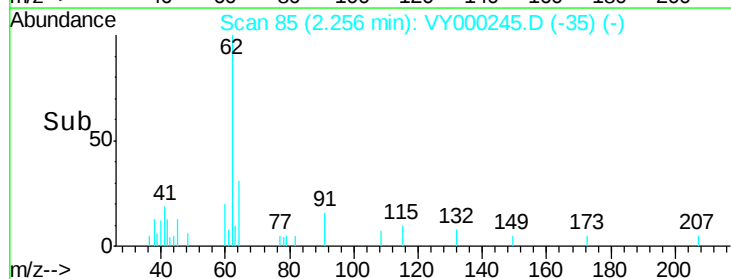
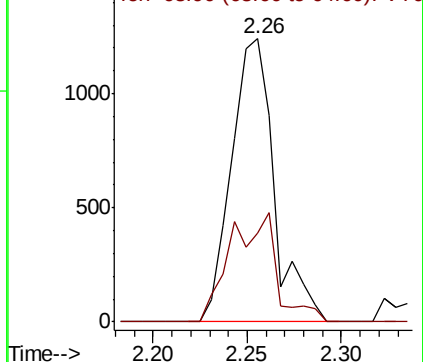
62 100

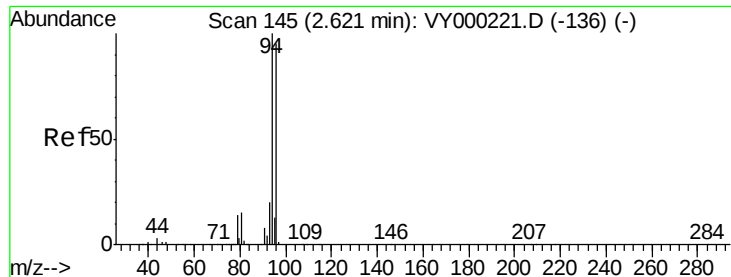
64 31.3 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 0.759 ug/l

RT: 2.66 min Scan# 151

Delta R.T. 0.04 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

Instrument :

MSVOA\_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 94 Resp: 2104

Ion Ratio Lower Upper

94 100

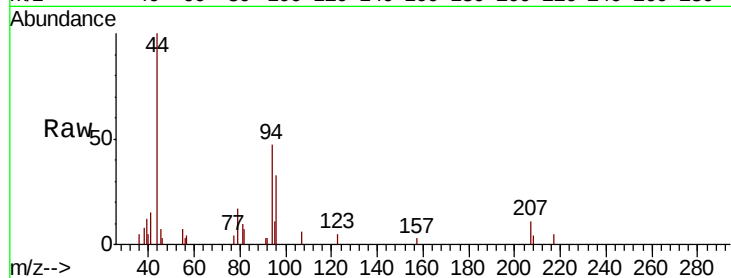
96 69.6 75.7 113.5#

Manual Integrations

APPROVED

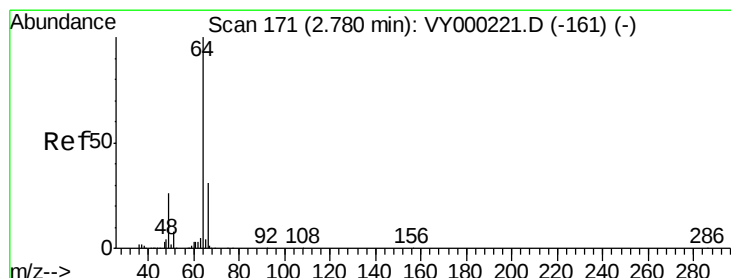
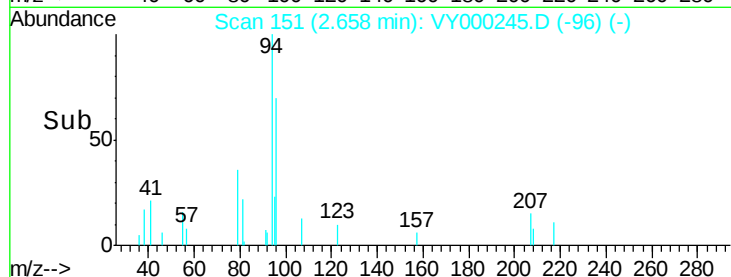
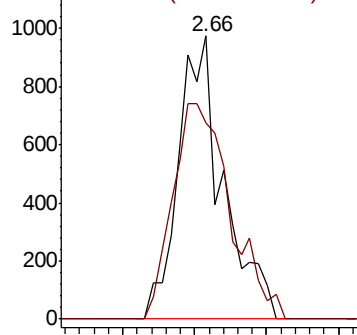
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10/11/2019 8:40:44 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 0.551 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.02 min

Lab File: VY000245.D

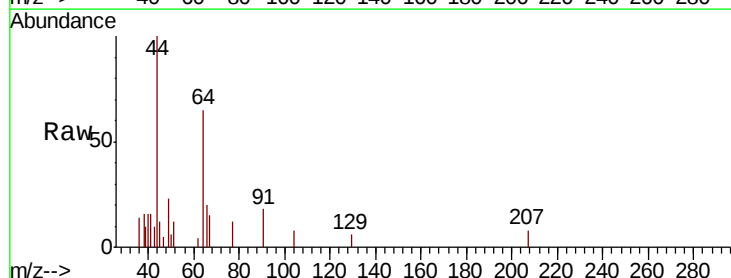
Acq: 09 Oct 2019 15:51

Tgt Ion: 64 Resp: 1530

Ion Ratio Lower Upper

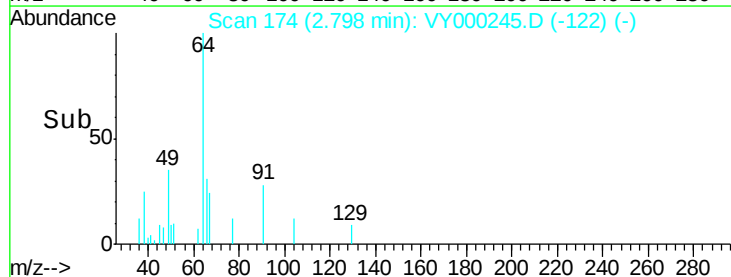
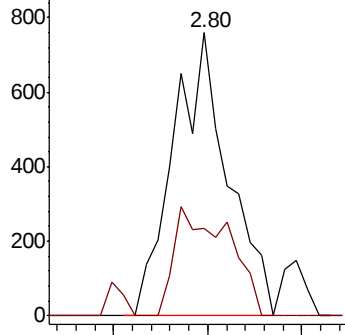
64 100

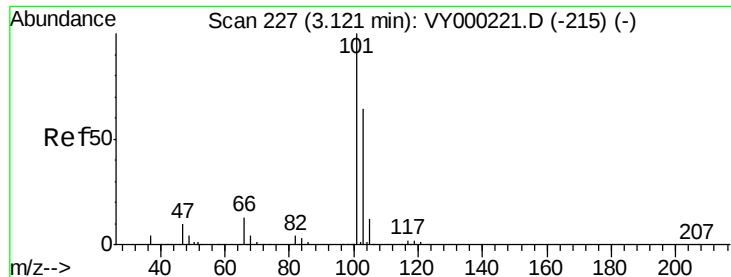
66 31.0 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

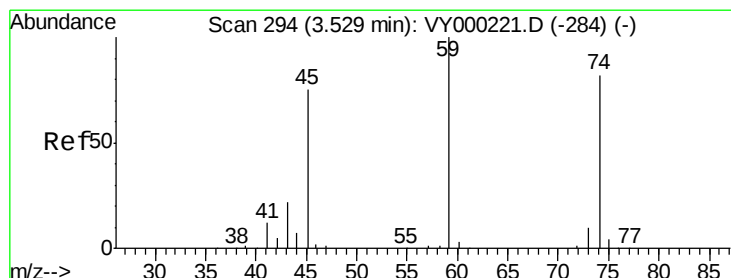
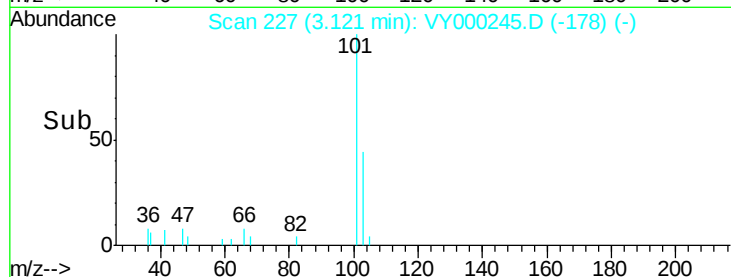
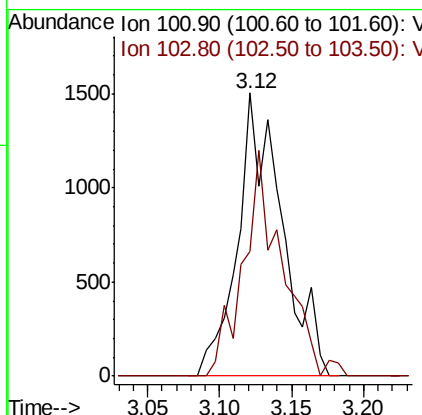
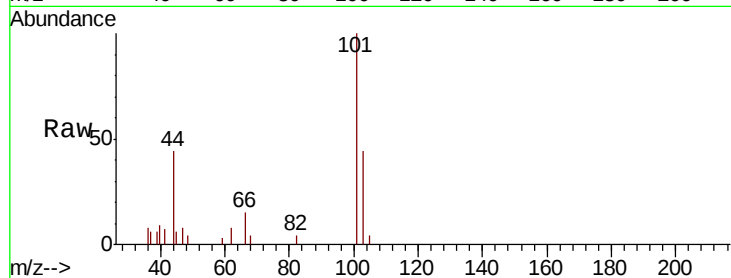
Trichlorofluoromethane  
 Concen: 0.563 ug/l  
 RT: 3.12 min Scan# 227  
 Delta R.T. 0.00 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 0.5PPBMDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 44.2  | 51.0  | 76.6# |

Manual Integrations  
 APPROVED

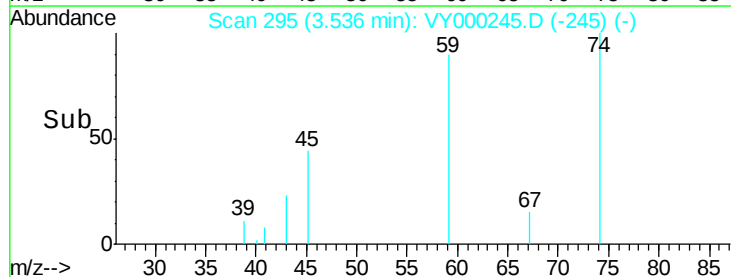
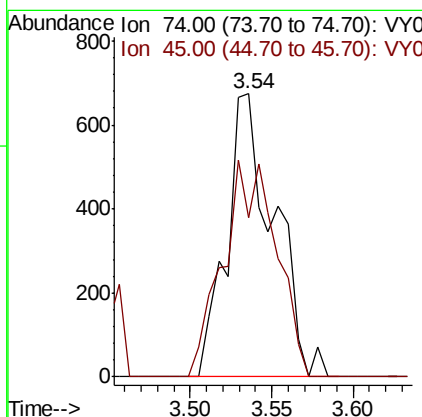
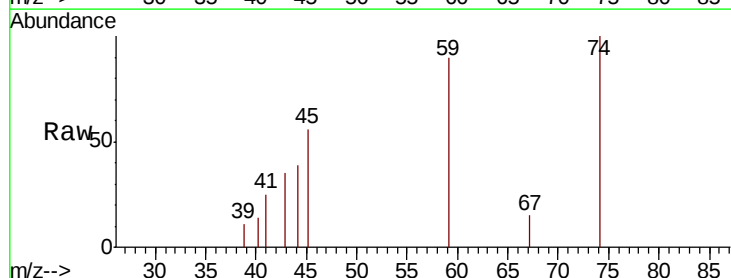
MMDadoda  
 10/11/2019 8:40:44 AM

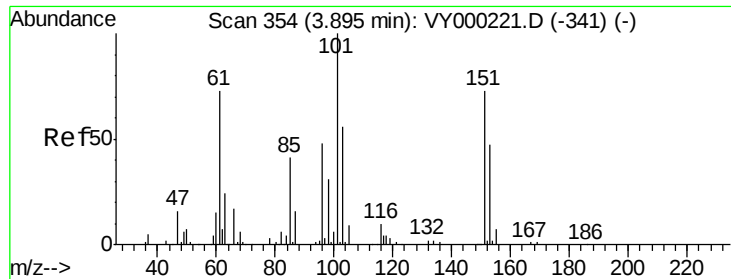


#8

Diethyl Ether  
 Concen: 0.518 ug/l  
 RT: 3.54 min Scan# 295  
 Delta R.T. 0.01 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 86.6  | 45.8  | 137.4 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.513 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.01 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

Instrument :

MSVOA\_Y

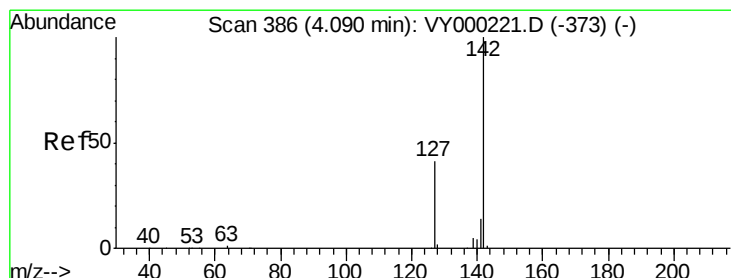
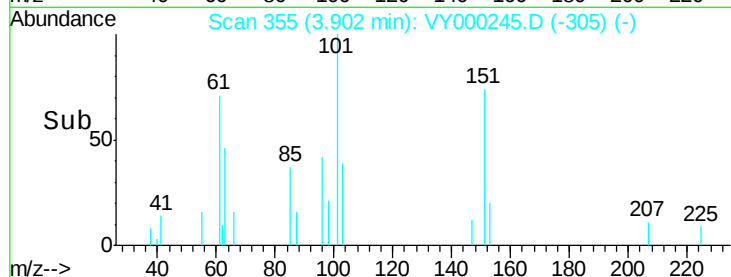
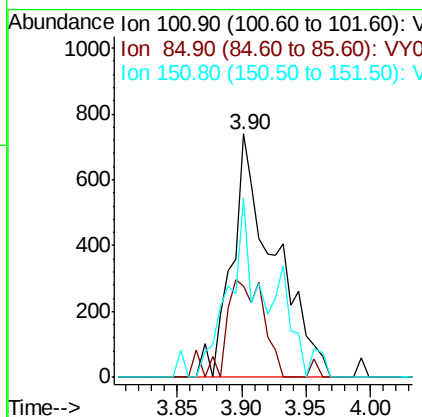
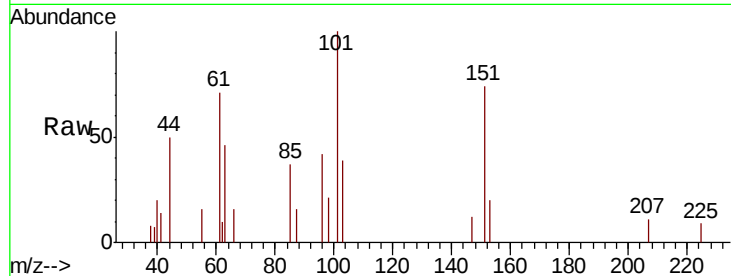
ClientSampleId :

0.5PPBMDL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 1700  |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 33.8  | 37.0  | 55.6# |
| 151       | 46.8  | 63.0  | 94.4# |

Manual Integrations  
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10/11/2019 8:40:44 AM



#10

Methyl Iodide

Concen: 0.267 ug/l

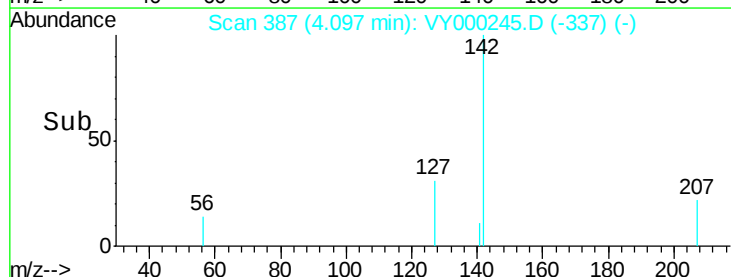
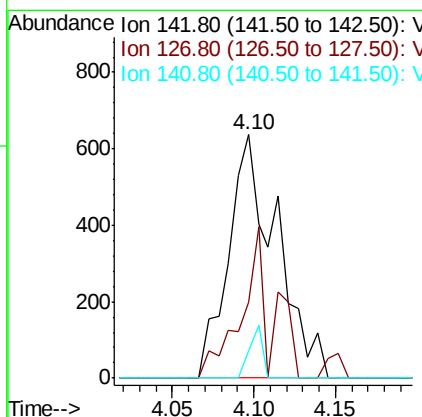
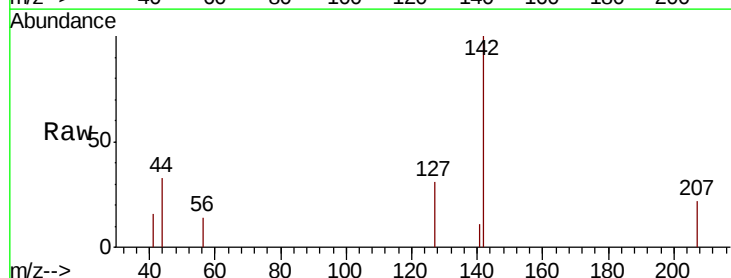
RT: 4.10 min Scan# 387

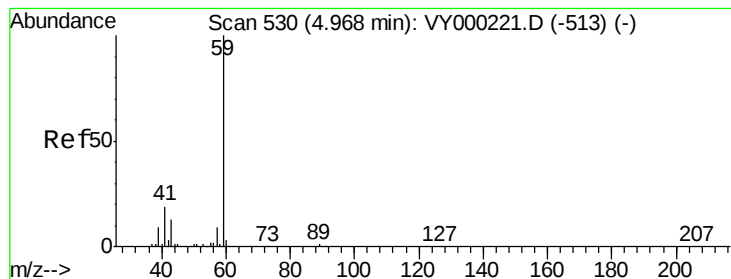
Delta R.T. 0.01 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 1303  |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 39.2  | 33.0  | 49.6  |
| 141       | 5.8   | 11.0  | 16.4# |





#11

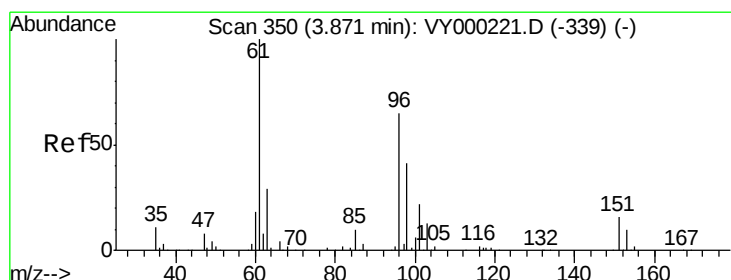
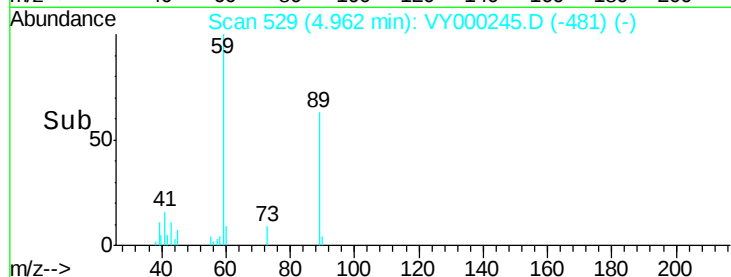
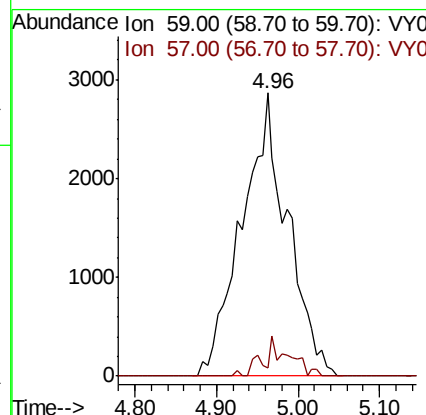
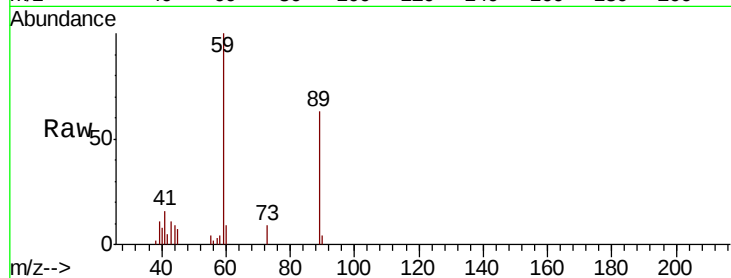
Tert butyl alcohol  
 Concen: 5.089 ug/l  
 RT: 4.96 min Scan# 529  
 Delta R.T. -0.01 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 0.5PPBMDL

Tot Ion: 59 Resp: 11127  
 Ion Ratio Lower Upper  
 59 100  
 57 5.5 8.0 12.0#

Manual Integrations  
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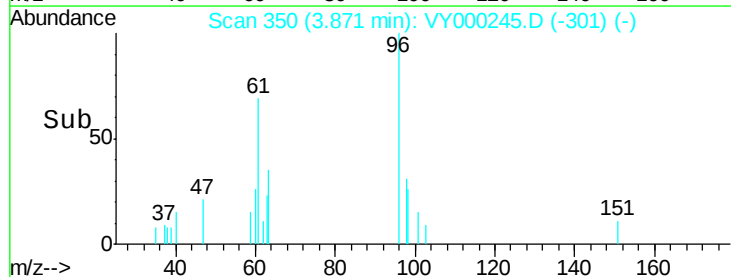
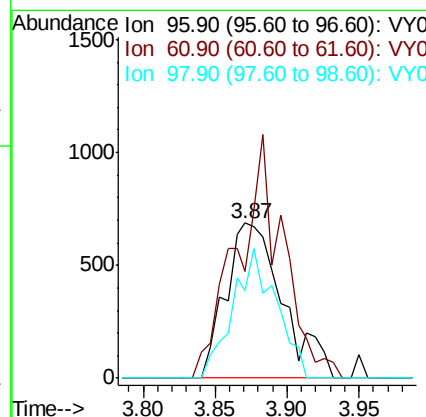
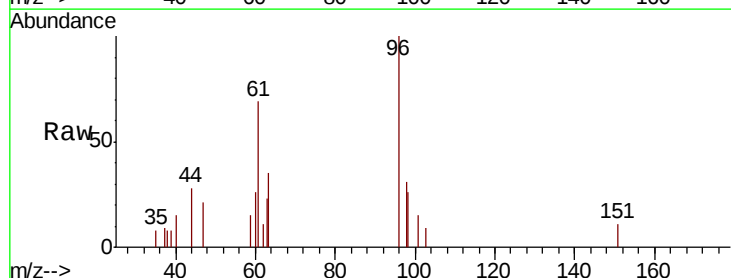
MMDadoda  
 10/11/2019 8:40:44 AM

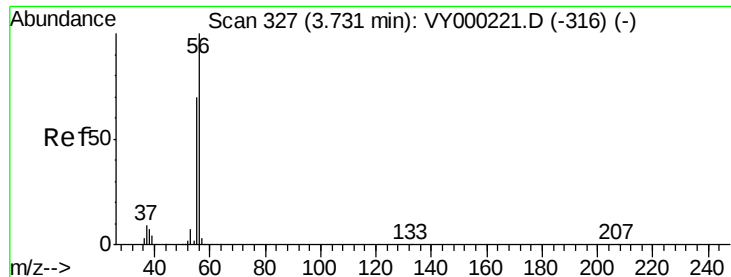


#12

1,1-Dichloroethene  
 Concen: 0.549 ug/l  
 RT: 3.87 min Scan# 350  
 Delta R.T. 0.00 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

Tgt Ion: 96 Resp: 1888  
 Ion Ratio Lower Upper  
 96 100  
 61 68.7 123.8 185.8#  
 98 56.8 50.9 76.3





#13

Acrolein

Concen: 2.653 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

Instrument :

MSVOA\_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 56 Resp: 3045

Ion Ratio Lower Upper

56 100

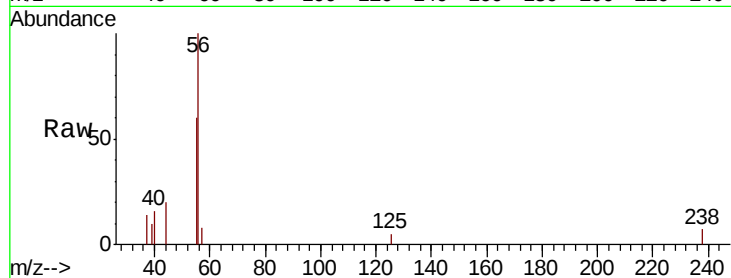
55 67.0 55.2 82.8

Manual Integrations

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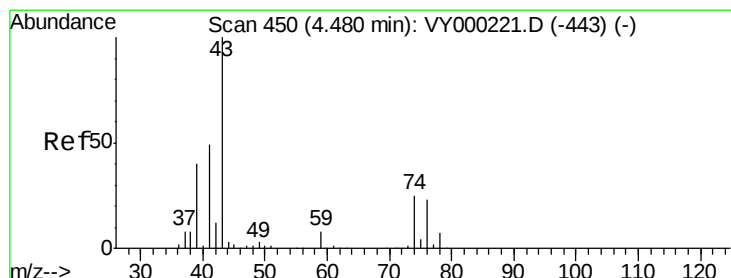
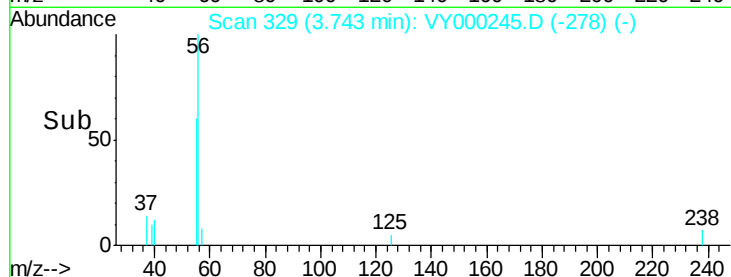
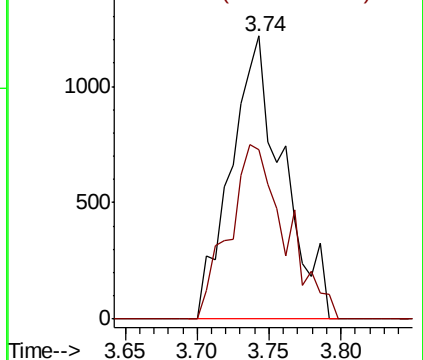
MMDadoda

10/11/2019 8:40:44 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 0.459 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

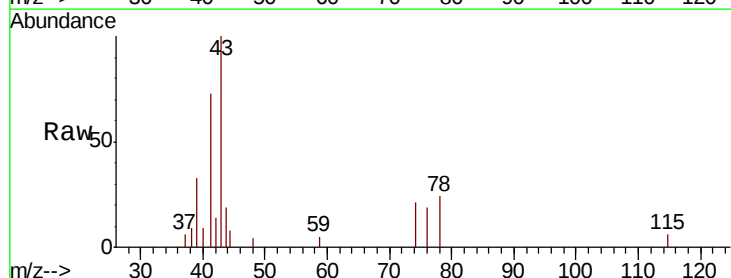
Tgt Ion: 41 Resp: 2659

Ion Ratio Lower Upper

41 100

39 26.9 56.4 84.6#

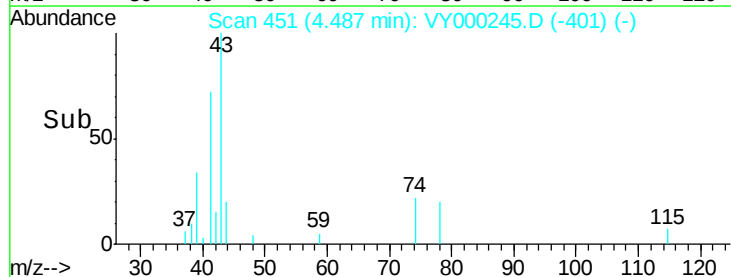
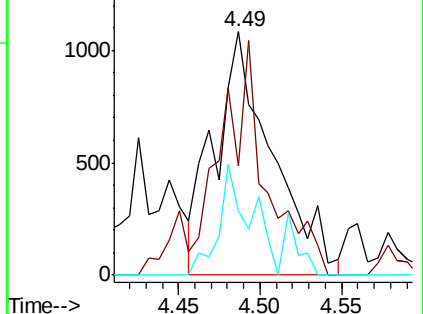
76 25.6 30.8 46.2#

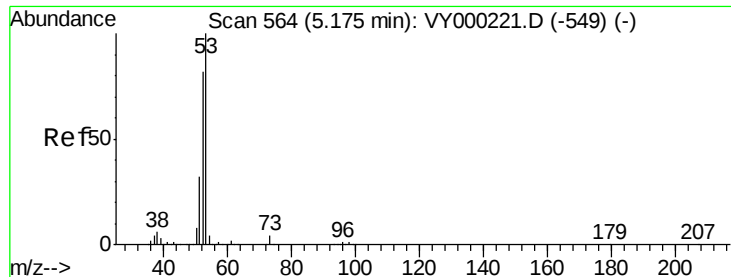


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 2.565 ug/l

RT: 5.19 min Scan# 567

Delta R.T. 0.02 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

Instrument :

MSVOA\_Y

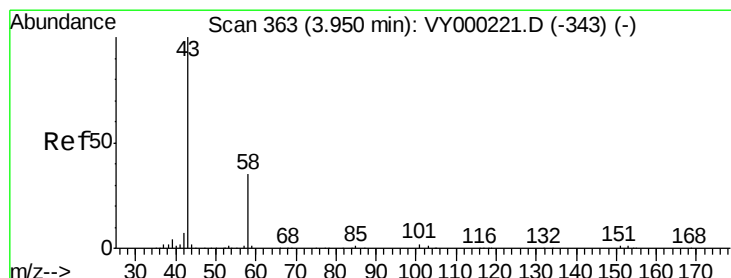
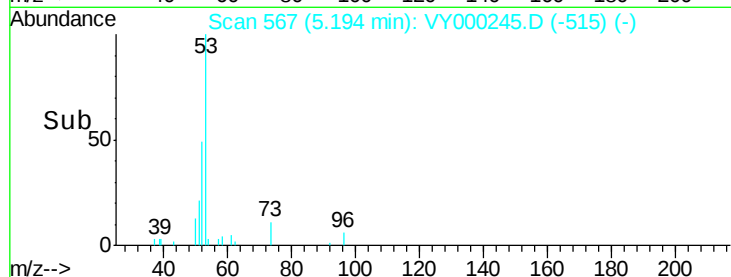
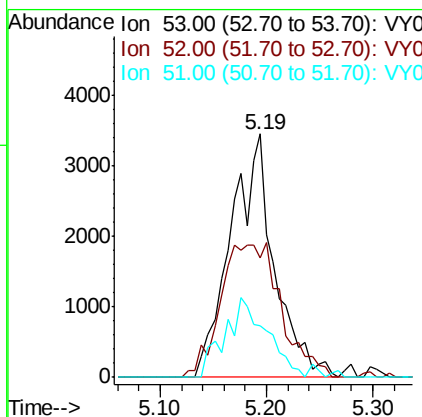
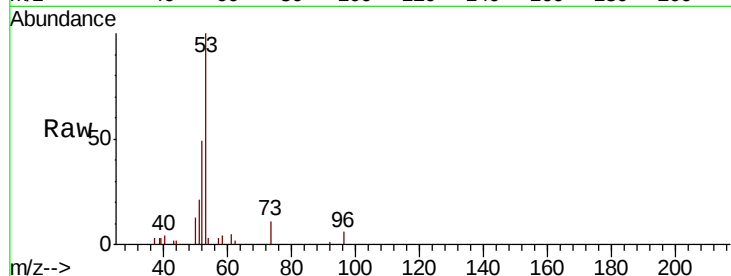
ClientSampleId :

0.5PPBMDL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 9900  |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 75.7  | 65.4  | 98.2  |
| 51       | 0.0   | 27.2  | 40.8# |

Manual Integrations  
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10/11/2019 8:40:44 AM



#16

Acetone

Concen: 2.884 ug/l

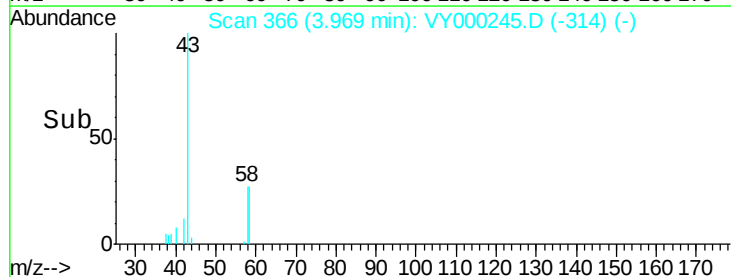
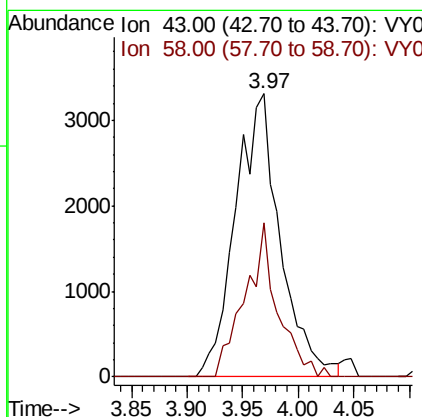
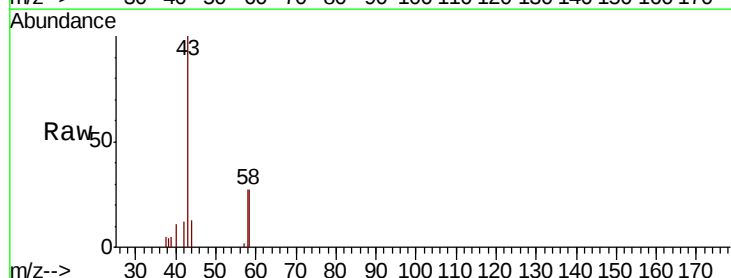
RT: 3.97 min Scan# 366

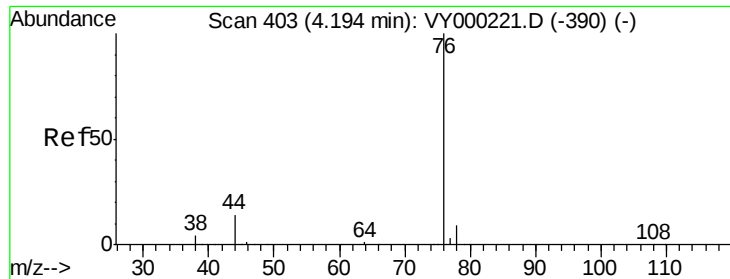
Delta R.T. 0.02 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 9195  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 54.3  | 28.2  | 42.4# |





#17

Carbon Disulfide

Concen: 0.443 ug/l

RT: 4.19 min Scan# 403

Delta R.T. 0.00 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

Instrument :

MSVOA\_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 76 Resp: 4492

Ion Ratio Lower Upper

76 100

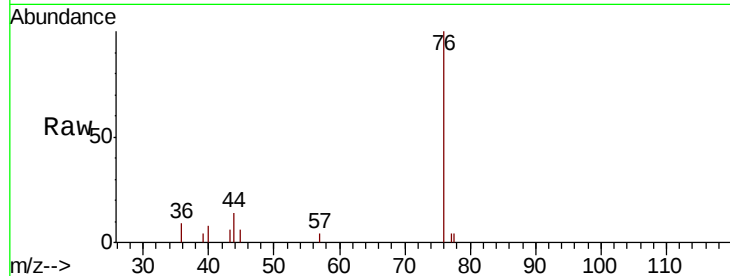
78 4.4 7.0 10.6#

Manual Integrations

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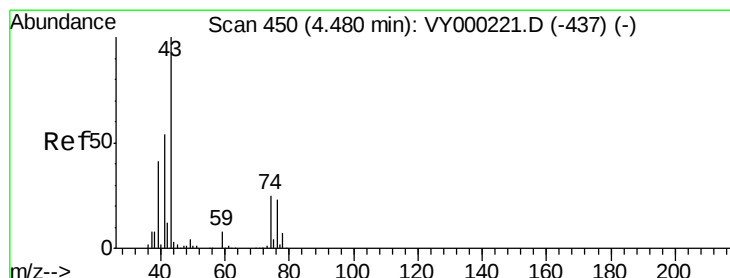
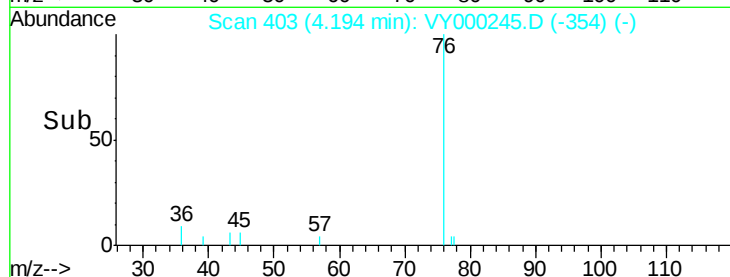
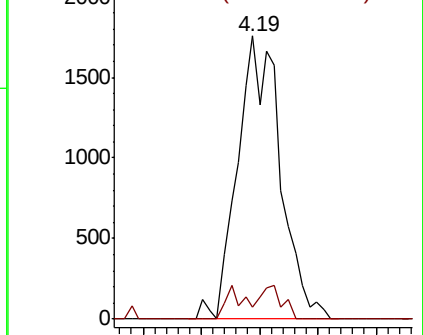
MMDadoda

10/11/2019 8:40:44 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 0.489 ug/l m

RT: 4.51 min Scan# 454

Delta R.T. 0.02 min

Lab File: VY000245.D

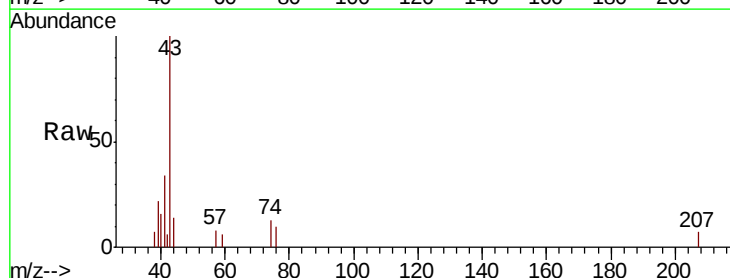
Acq: 09 Oct 2019 15:51

Tgt Ion: 43 Resp: 4273

Ion Ratio Lower Upper

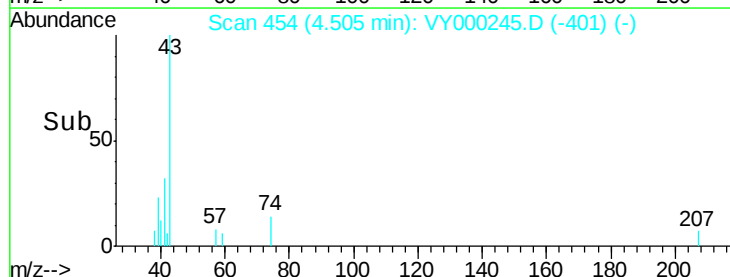
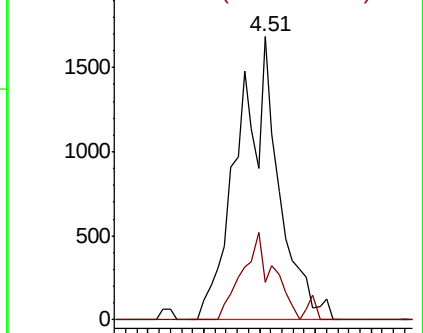
43 100

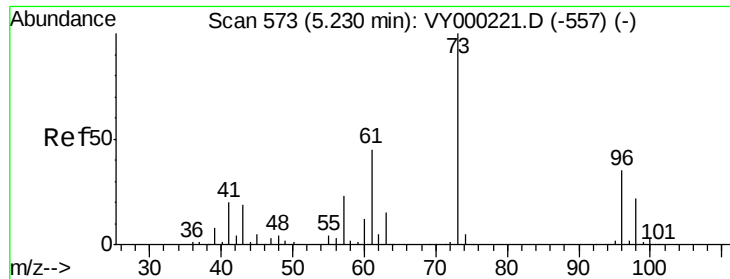
74 23.6 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





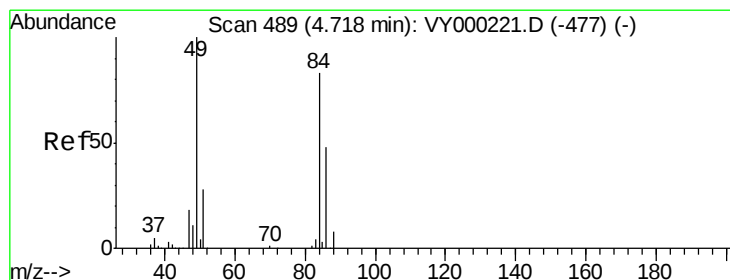
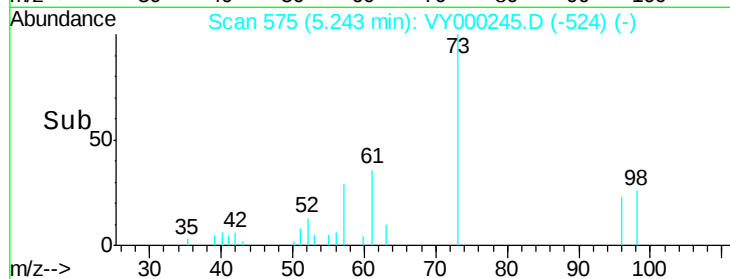
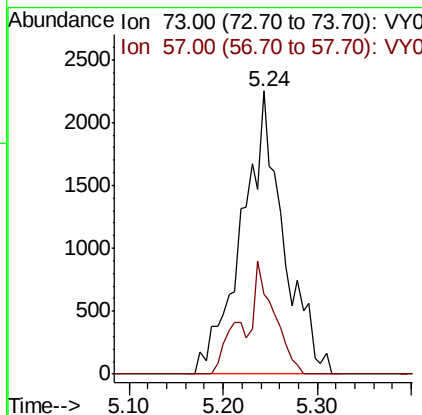
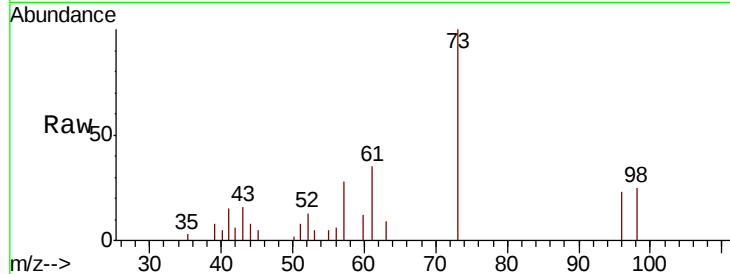
#19  
Methvl tert-butvl Ether  
Concen: 0.551 ug/l  
RT: 5.24 min Scan# 575  
Delta R.T. 0.01 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
0.5PPBMDL

Tot Ion: 73 Resp: 6940  
Ion Ratio Lower Upper  
73 100  
57 28.4 18.4 27.6#

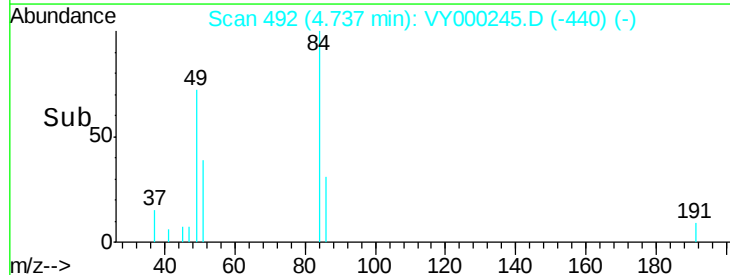
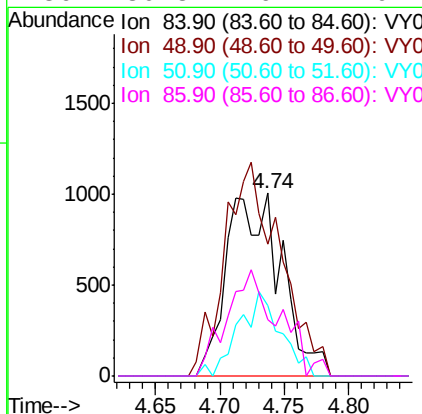
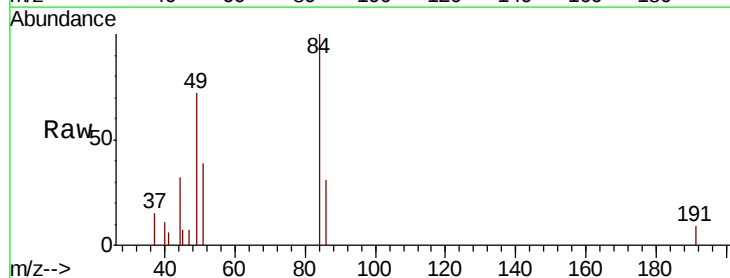
Manual Integrations  
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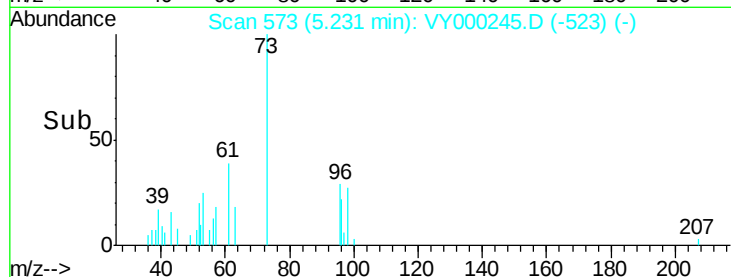
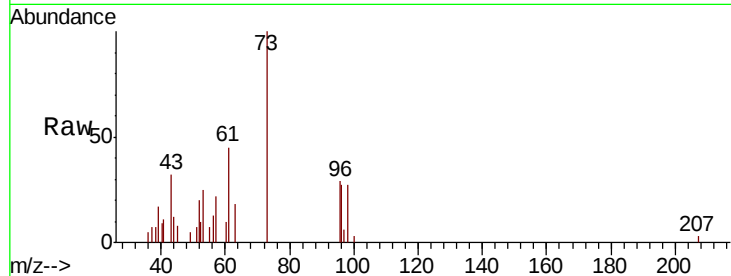
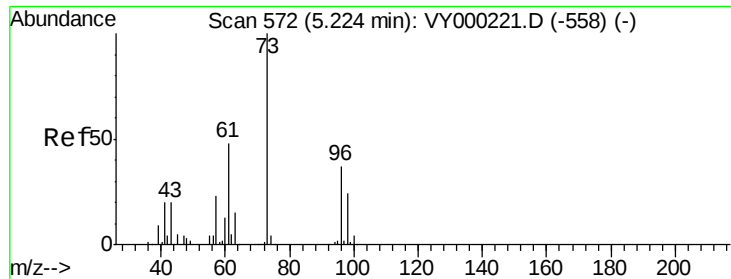
MMDadoda  
10/11/2019 8:40:44 AM



#20  
Methylene Chloride  
Concen: 0.705 ug/l  
RT: 4.74 min Scan# 492  
Delta R.T. 0.02 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

Tgt Ion: 84 Resp: 2954  
Ion Ratio Lower Upper  
84 100  
49 72.3 96.2 144.2#  
51 38.7 26.6 39.8  
86 30.8 46.7 70.1#





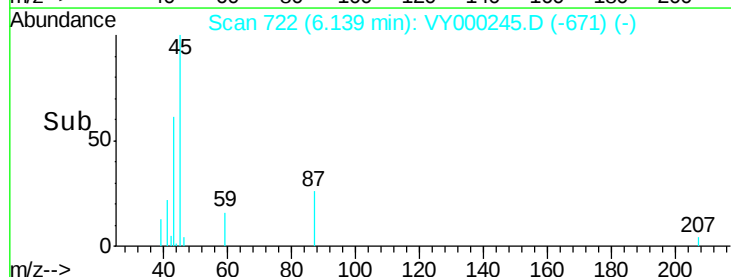
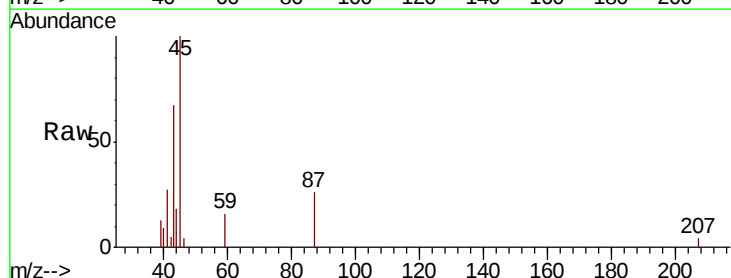
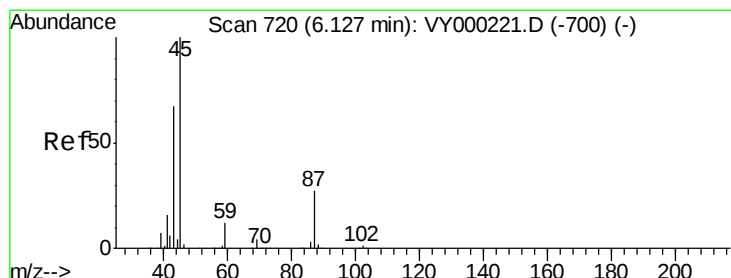
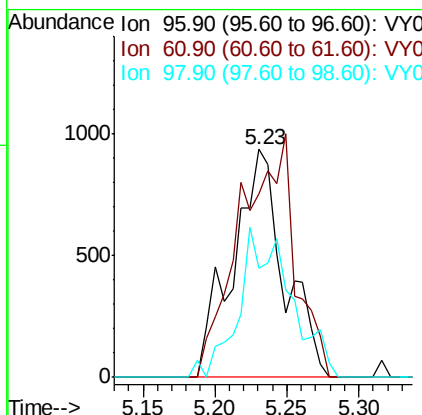
#21  
trans-1,2-Dichloroethene  
Concen: 0.601 ug/l  
RT: 5.23 min Scan# 573  
Delta R.T. 0.01 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 96      | 100   |       |        |
| 61      | 80.5  | 104.2 | 156.2# |
| 98      | 47.8  | 51.0  | 76.6#  |

Instrument :  
MSVOA\_Y  
ClientSampleId :  
0.5PPBMDL

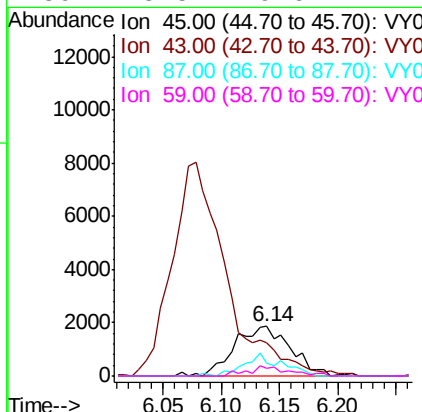
Manual Integrations  
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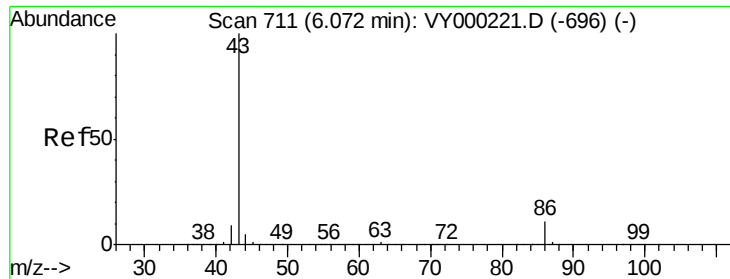
MMDadoda  
10/11/2019 8:40:44 AM



#22  
Diisopropyl ether  
Concen: 0.463 ug/l  
RT: 6.14 min Scan# 722  
Delta R.T. 0.01 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 60.8  | 53.4  | 80.2  |
| 87      | 26.3  | 21.7  | 32.5  |
| 59      | 15.5  | 9.6   | 14.4# |





#23

Vinyl Acetate

Concen: 2.158 ug/l

RT: 6.08 min Scan# 712

Delta R.T. 0.01 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

Instrument :

MSVOA\_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 43 Resp: 26248

Ion Ratio Lower Upper

43 100

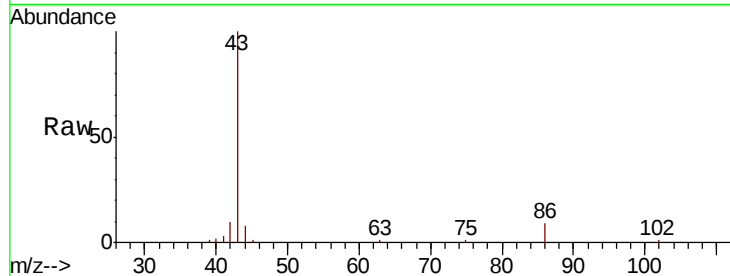
86 8.8 8.5 12.7

Manual Integrations

APPROVED

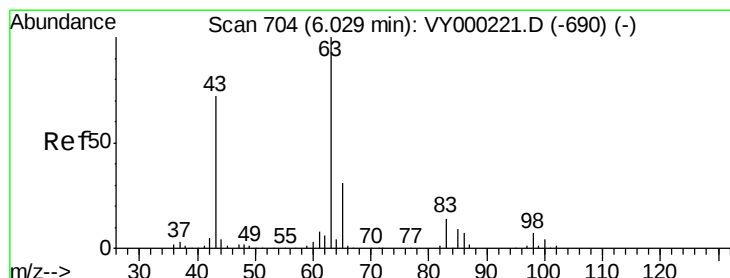
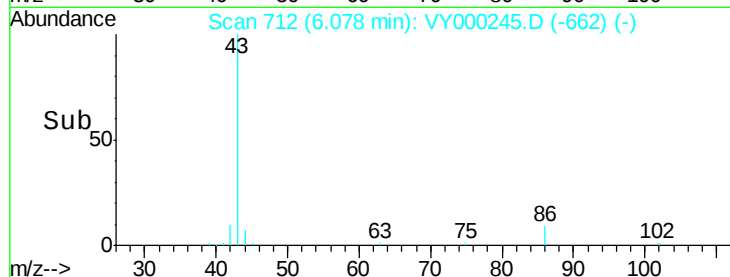
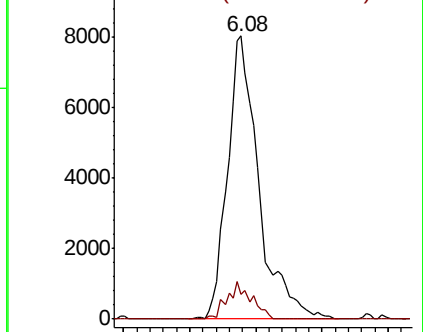
MMDadoda

10/11/2019 8:40:44 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 0.496 ug/l m

RT: 6.02 min Scan# 702

Delta R.T. -0.01 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

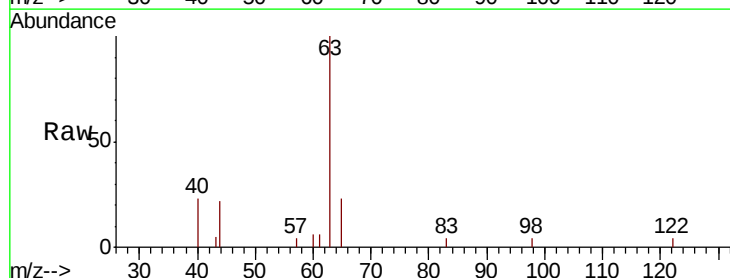
Tgt Ion: 63 Resp: 3396

Ion Ratio Lower Upper

63 100

98 4.4 3.5 10.6

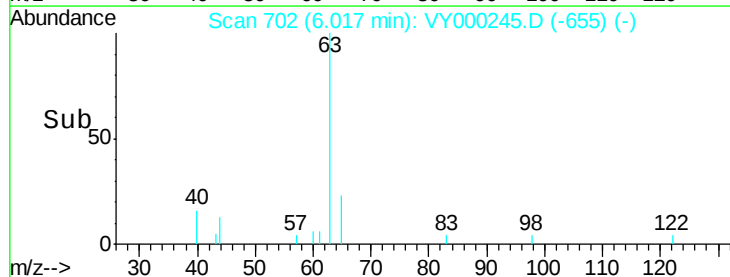
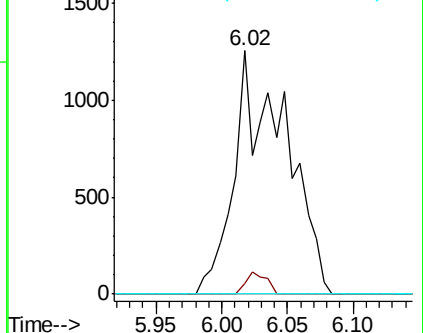
100 0.0 2.1 6.5#

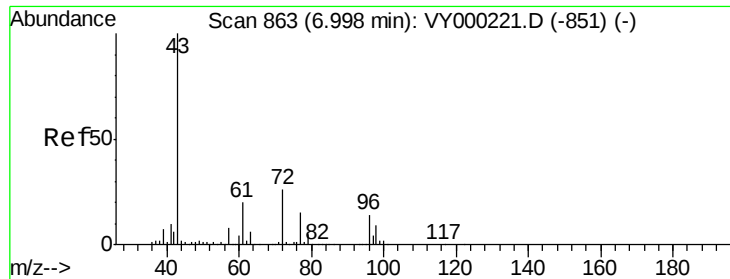


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





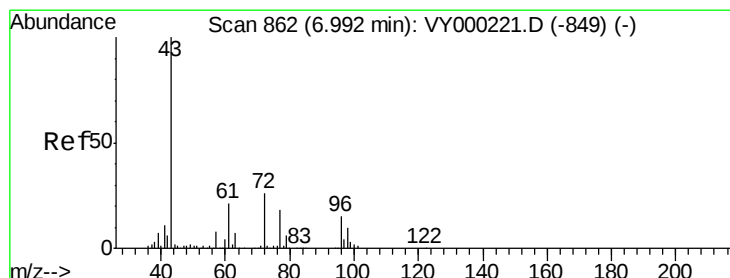
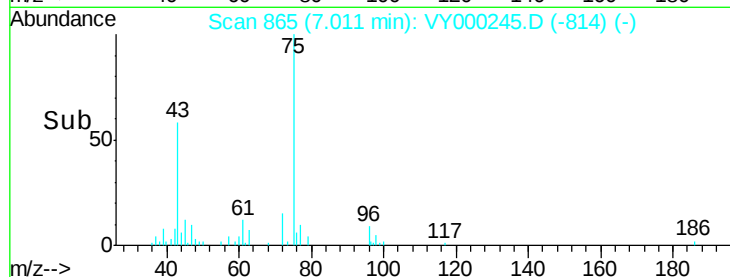
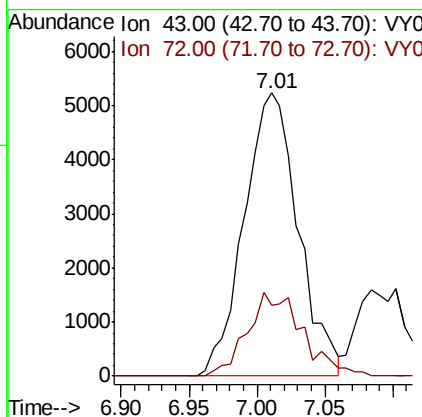
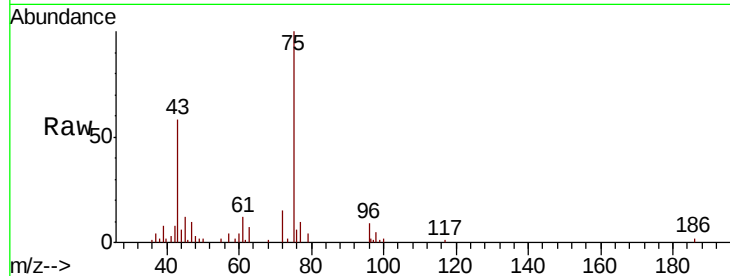
#25  
2-Butanone  
Concen: 2.468 ug/l  
RT: 7.01 min Scan# 865  
Delta R.T. 0.01 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
0.5PPBMDL

Tot Ion: 43 Resp: 14552  
Ion Ratio Lower Upper  
43 100  
72 24.9 20.6 31.0

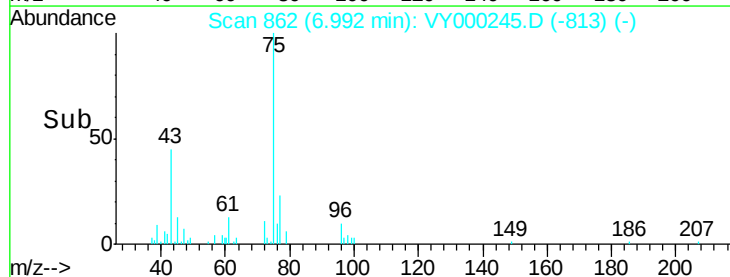
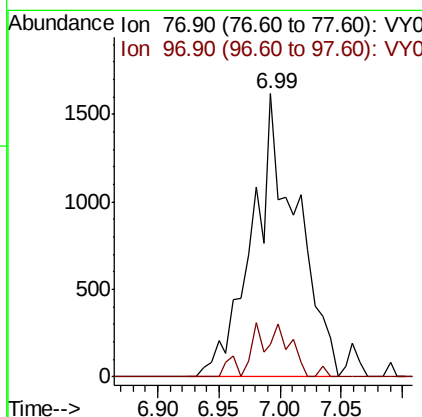
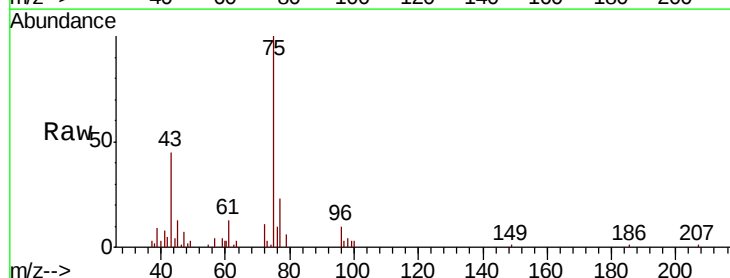
Manual Integrations  
APPROVED

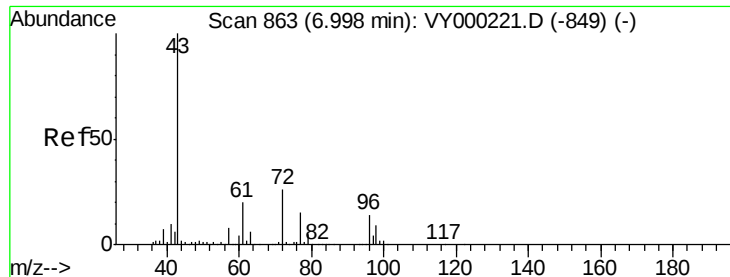
MMDadoda  
10/11/2019 8:40:44 AM



#26  
2,2-Dichloropropane  
Concen: 0.665 ug/l  
RT: 6.99 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

Tgt Ion: 77 Resp: 4111  
Ion Ratio Lower Upper  
77 100  
97 6.8 11.7 35.0#





#27

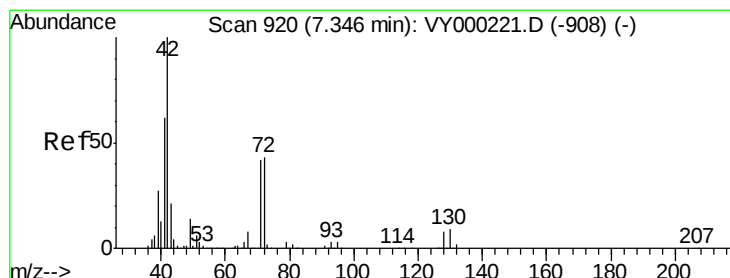
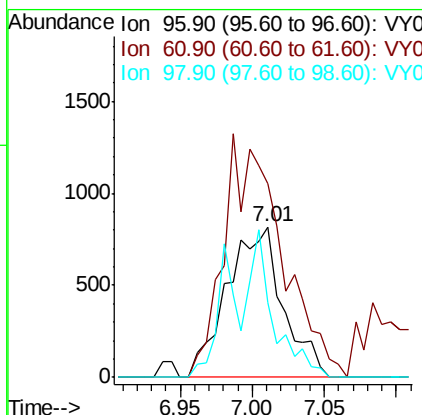
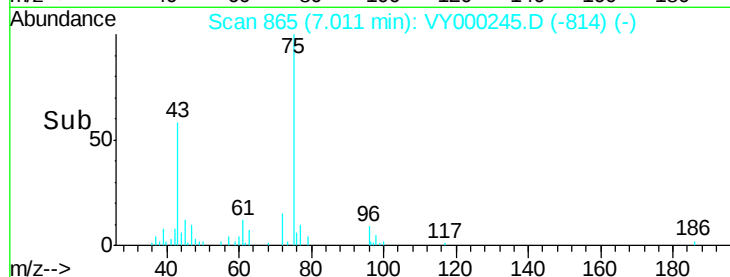
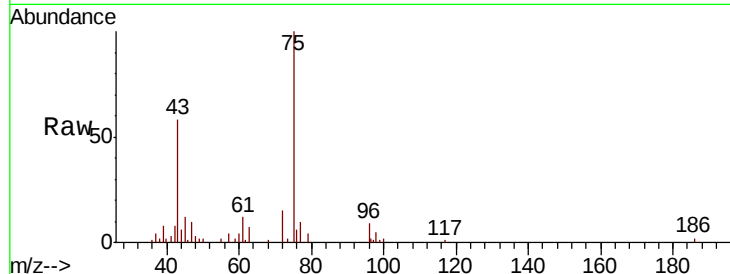
cis-1,2-Dichloroethene  
Concen: 0.483 ug/l  
RT: 7.01 min Scan# 865  
Delta R.T. 0.01 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
0.5PPBMDL

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   | 2200 |       |       |
| 61      | 0.0   |      | 0.0   | 282.6 |
| 98      | 41.9  |      | 0.0   | 129.8 |

Manual Integrations  
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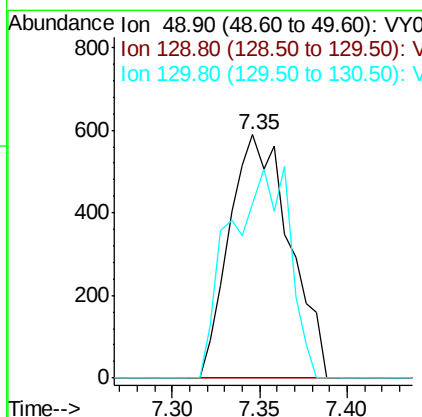
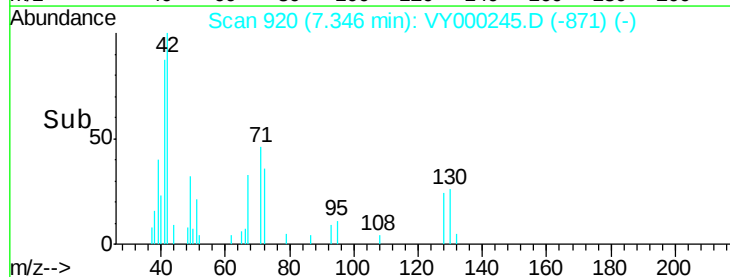
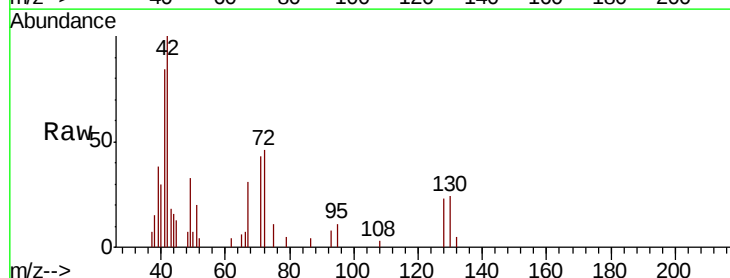
MMDadoda  
10/11/2019 8:40:44 AM

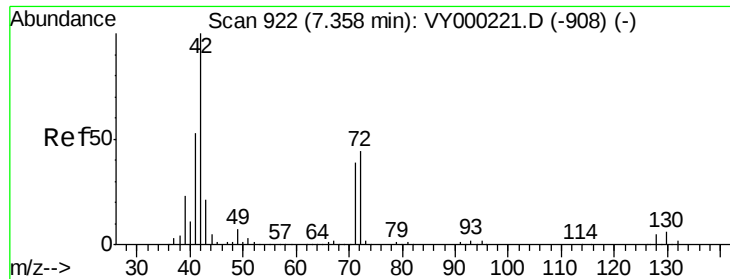


#28

Bromochloromethane  
Concen: 0.627 ug/l  
RT: 7.35 min Scan# 920  
Delta R.T. 0.00 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   | 1415 |       |       |
| 129     | 0.0   |      | 0.0   | 3.2   |
| 130     | 86.1  |      | 56.5  | 84.7# |





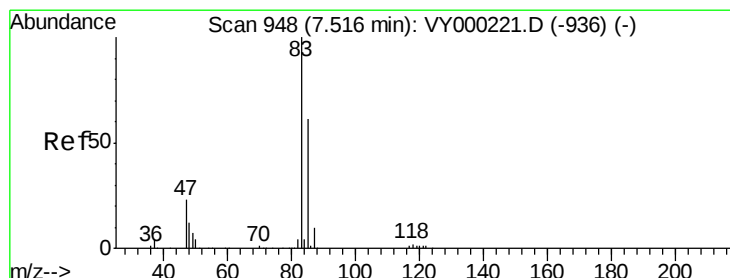
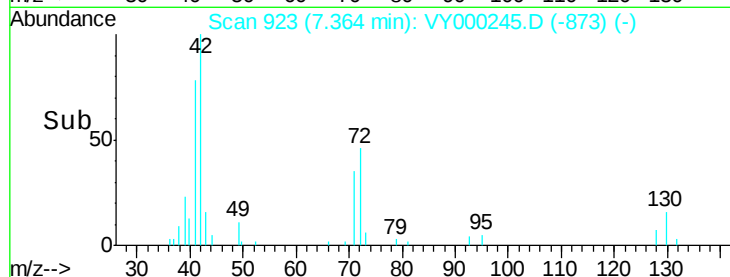
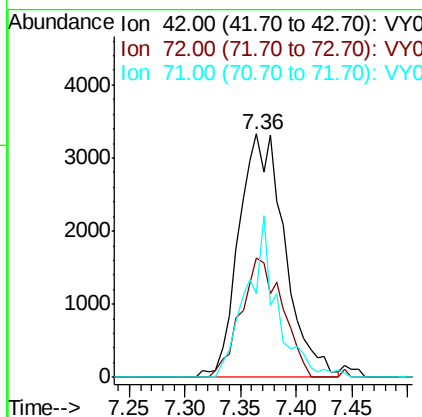
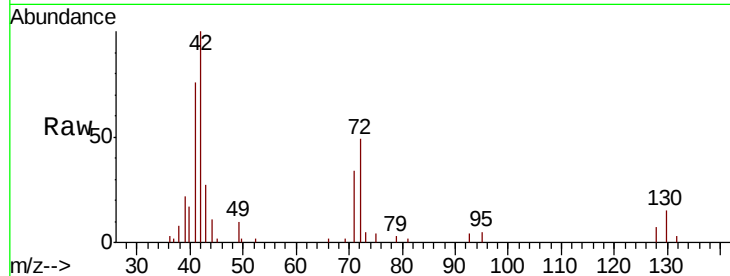
#29  
Tetrahydrofuran  
Concen: 2.300 ug/l  
RT: 7.36 min Scan# 923  
Delta R.T. 0.01 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
0.5PPBMDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.0  | 34.6  | 51.8  |
| 71      | 43.7  | 31.9  | 47.9  |

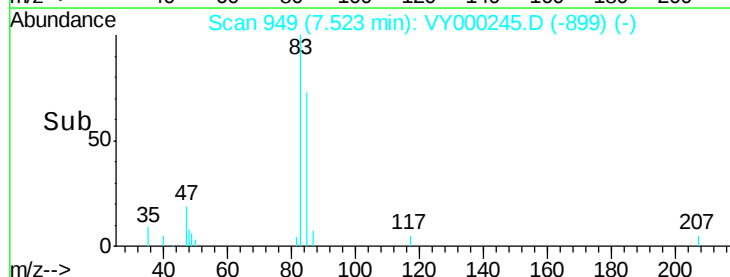
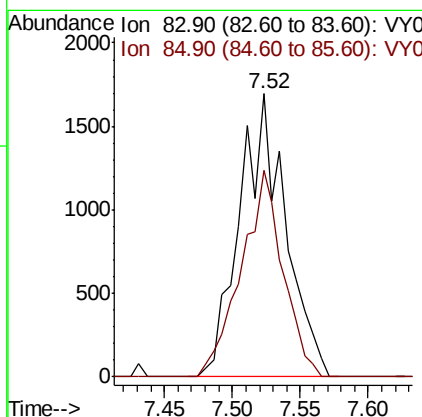
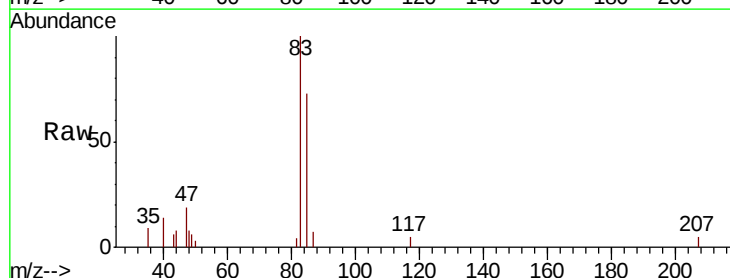
Manual Integrations  
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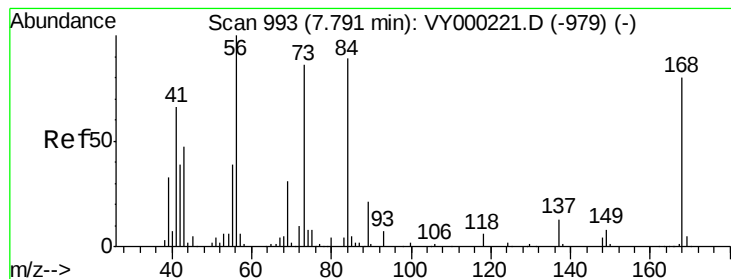
MMDadoda  
10/11/2019 8:40:44 AM



#30  
Chloroform  
Concen: 0.559 ug/l  
RT: 7.52 min Scan# 949  
Delta R.T. 0.01 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 72.9  | 48.9  | 73.3  |





#31

Cyclohexane

Concen: 1.366 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

Instrument :

MSVOA\_Y

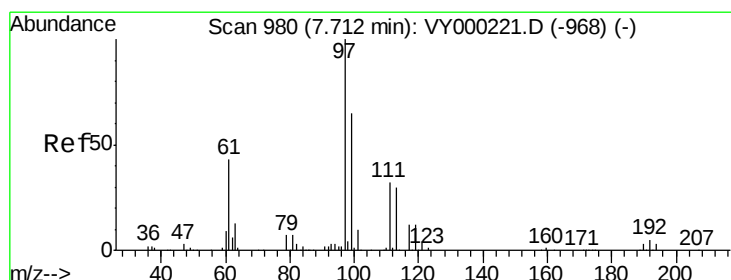
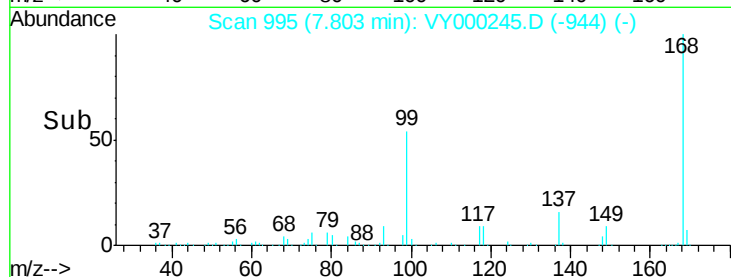
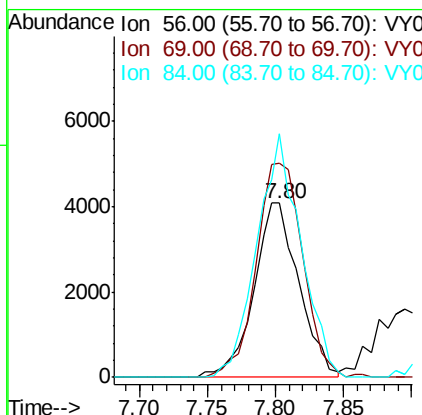
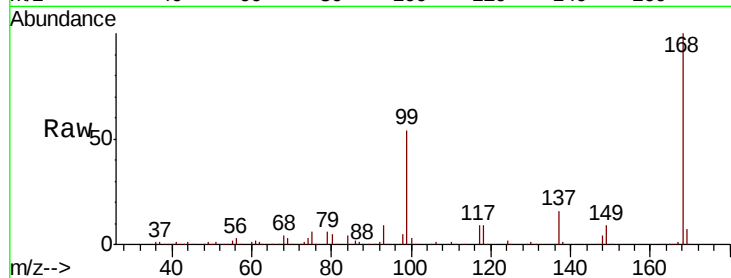
ClientSampleId :

0.5PPBMDL

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 9450   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 122.6 | 24.7  | 37.1#  |
| 84       | 139.6 | 71.3  | 106.9# |

Manual Integrations  
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10/11/2019 8:40:44 AM



#32

1,1,1-Trichloroethane

Concen: 0.554 ug/l

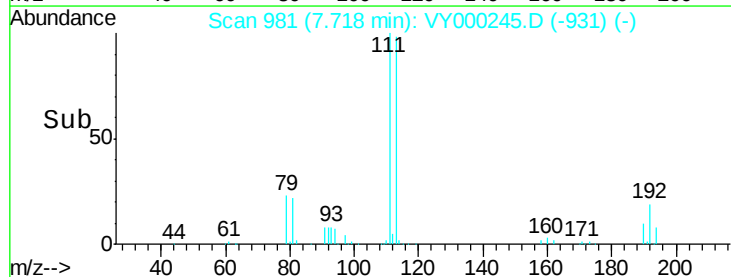
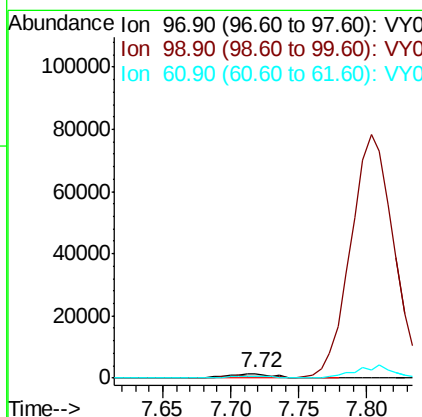
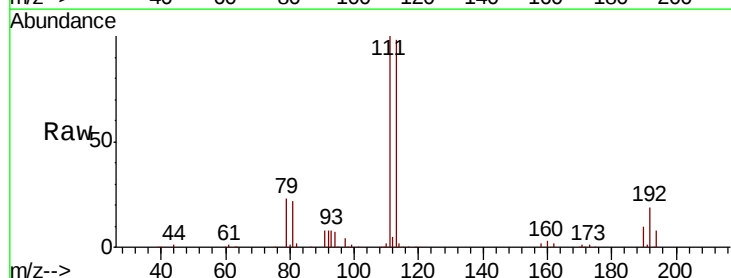
RT: 7.72 min Scan# 981

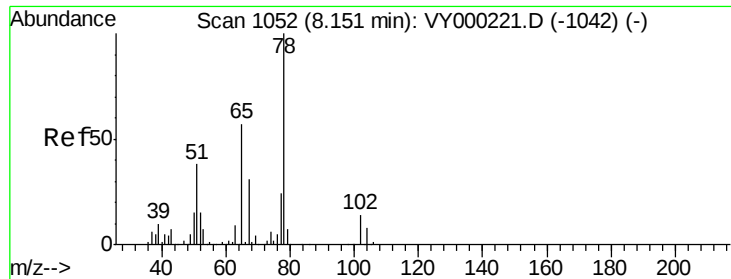
Delta R.T. 0.01 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 3350  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 0.0   | 51.4  | 77.2# |
| 61       | 43.7  | 34.2  | 51.4  |





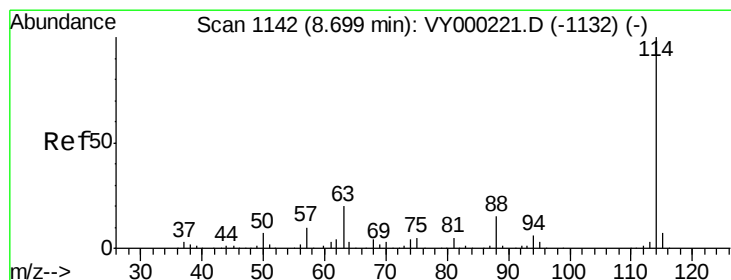
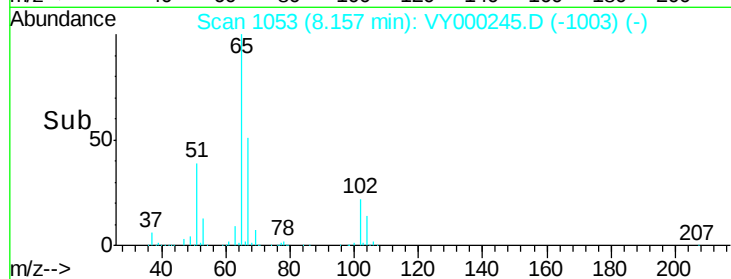
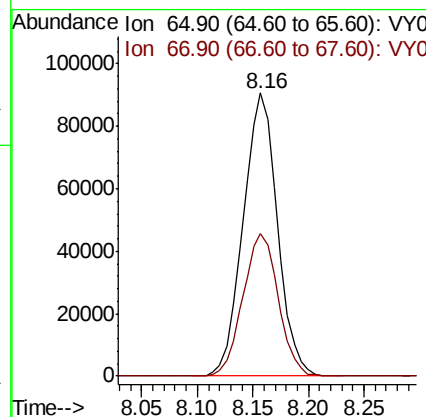
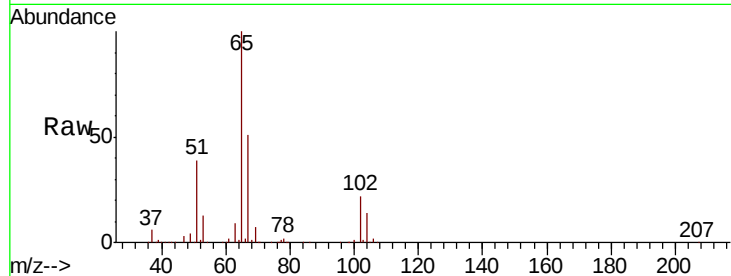
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.090 ug/l  
 RT: 8.16 min Scan# 1053  
 Delta R.T. 0.01 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 0.5PPBMDL

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 193566 |       |       |
| 67      | 51.9  | 0.0    | 109.0 |       |

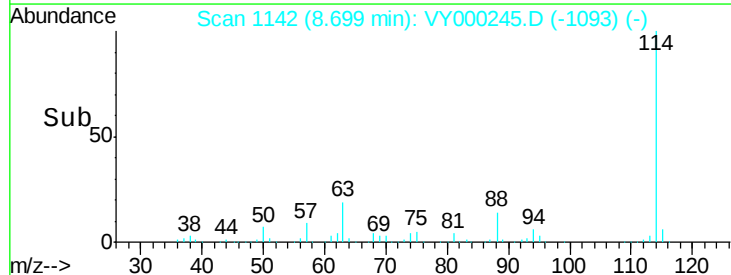
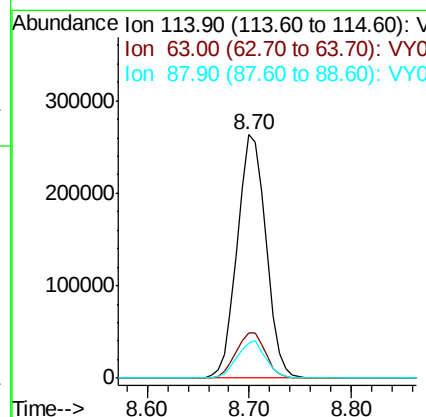
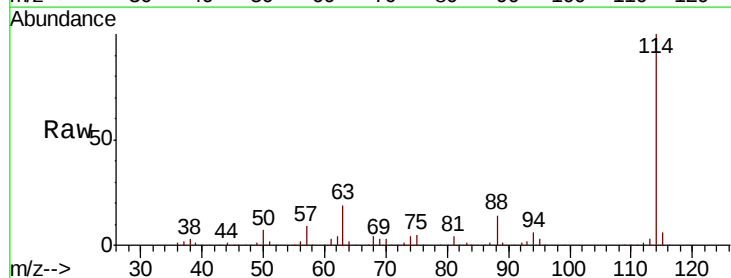
Manual Integrations  
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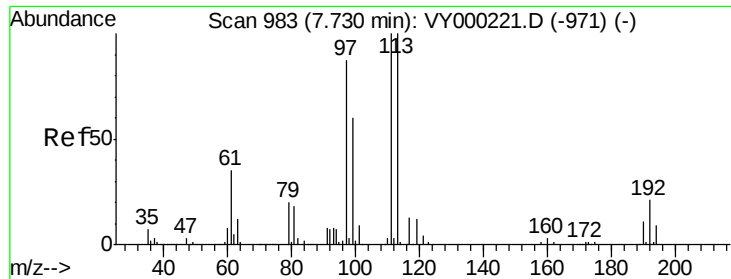
MMDadoda  
 10/11/2019 8:40:44 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. 0.00 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 513591 |       |       |
| 63      | 18.8  | 0.0    | 39.0  |       |
| 88      | 14.4  | 0.0    | 30.6  |       |





#35

Dibromofluoromethane

Concen: 47.733 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

Instrument :

MSVOA\_Y

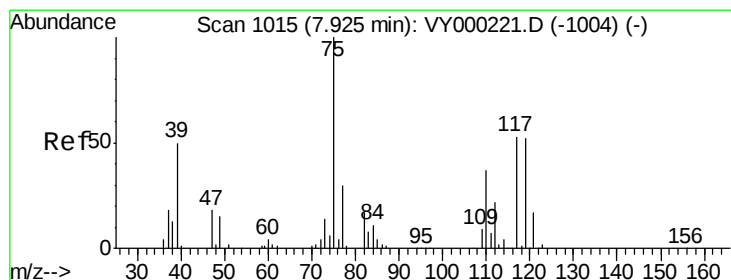
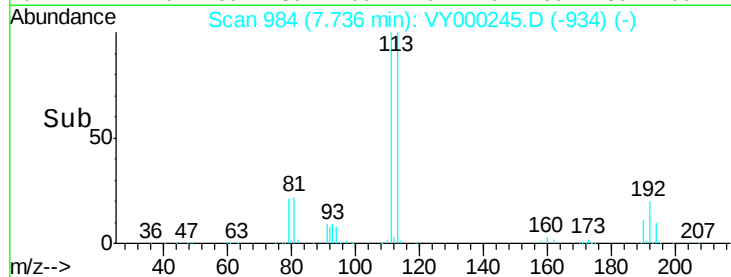
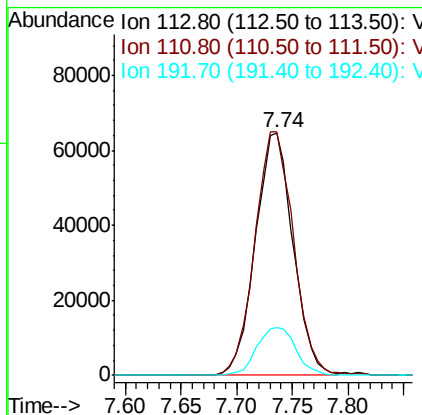
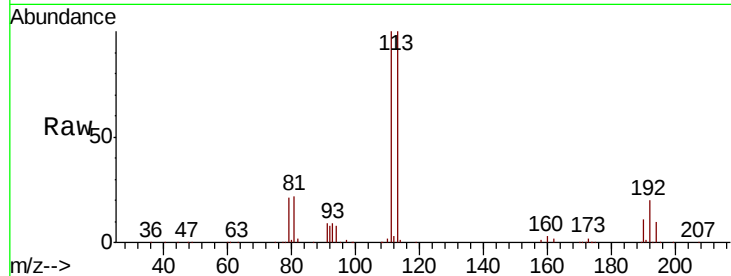
ClientSampleId :

0.5PPBMDL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 152748 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.9 | 82.6  | 124.0  |
| 192       | 20.4  | 15.8  | 23.8   |

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10/11/2019 8:40:44 AM



#36

1,1-Dichloropropene

Concen: 0.492 ug/l

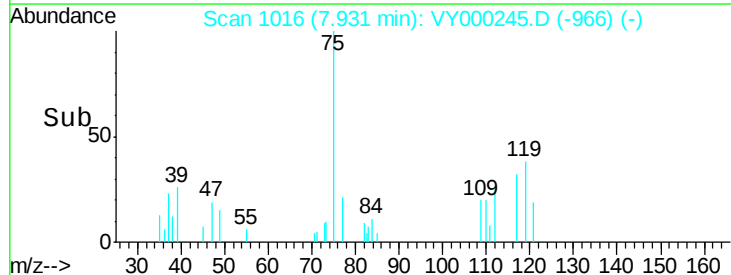
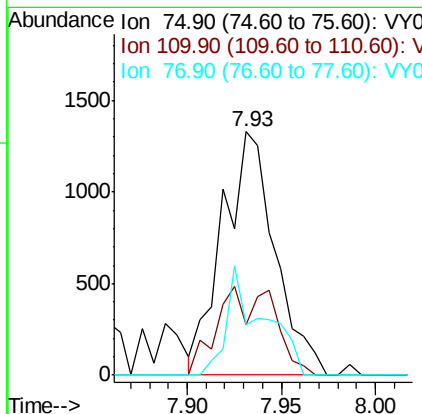
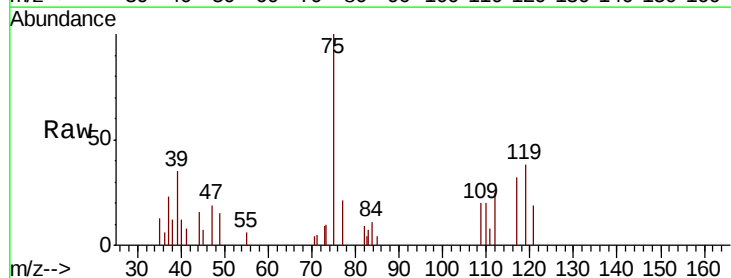
RT: 7.93 min Scan# 1016

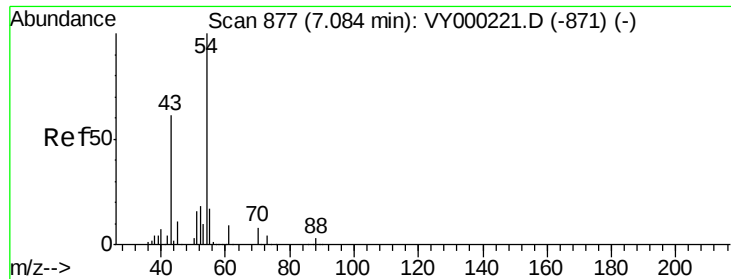
Delta R.T. 0.01 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 75    | Resp: | 2570 |
| Ion Ratio | Lower | Upper |      |
| 75        | 100   |       |      |
| 110       | 21.0  | 18.4  | 55.2 |
| 77        | 30.9  | 24.7  | 37.1 |





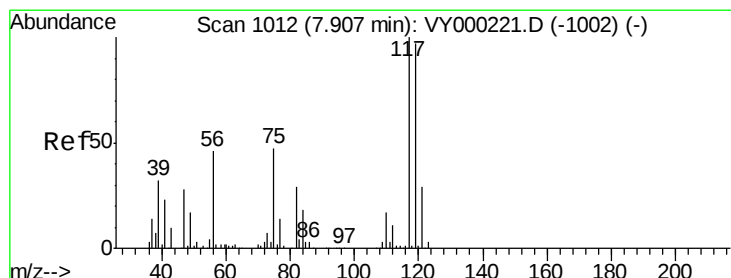
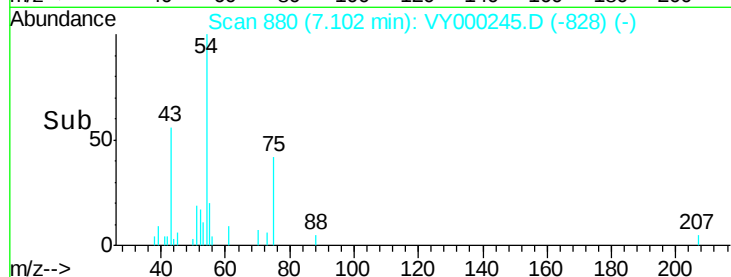
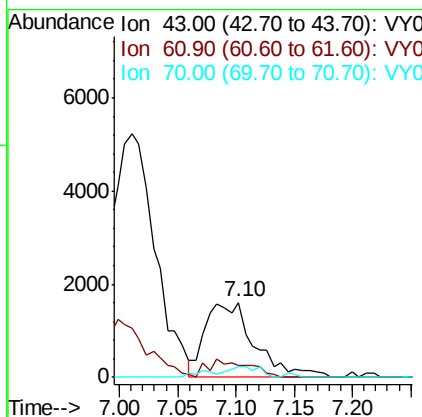
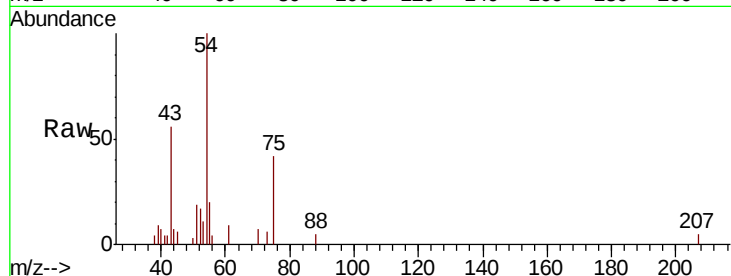
#37  
Ethyl Acetate  
Concen: 0.495 ug/l  
RT: 7.10 min Scan# 880  
Delta R.T. 0.02 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
0.5PPBMDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 0.0   | 11.1  | 16.7# |
| 70      | 9.2   | 8.5   | 12.7  |

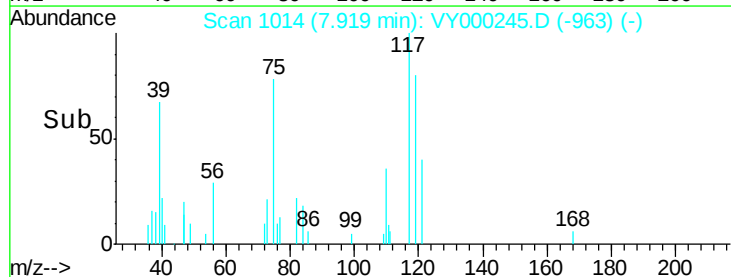
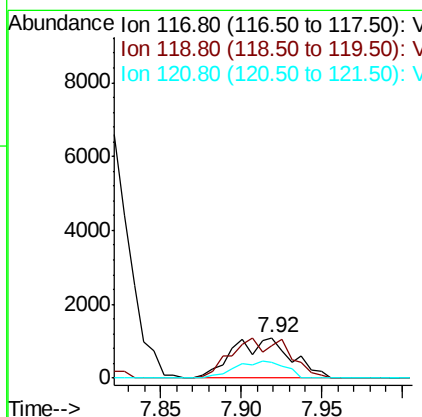
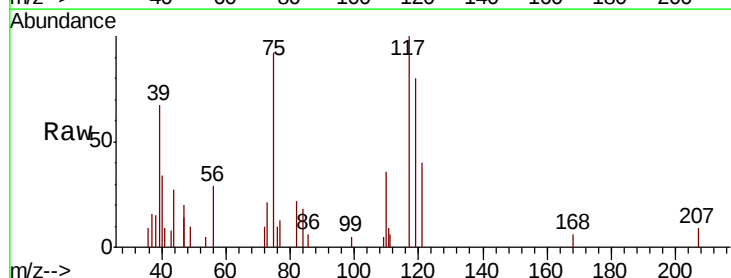
Manual Integrations  
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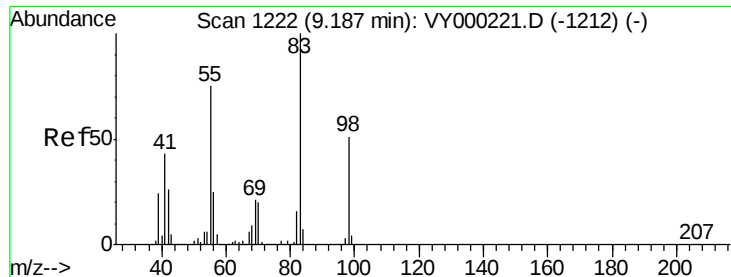
MMDadoda  
10/11/2019 8:40:44 AM



#38  
Carbon Tetrachloride  
Concen: 0.537 ug/l m  
RT: 7.92 min Scan# 1014  
Delta R.T. 0.01 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 79.9  | 77.2  | 115.8 |
| 121     | 40.4  | 23.1  | 34.7# |





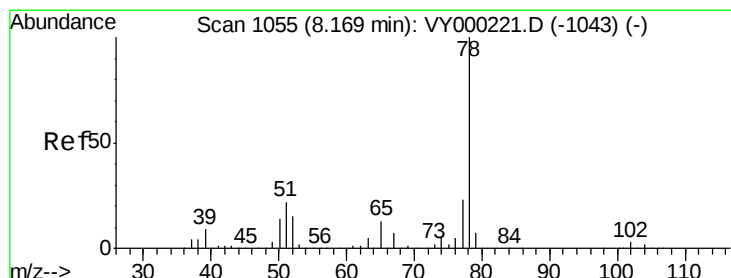
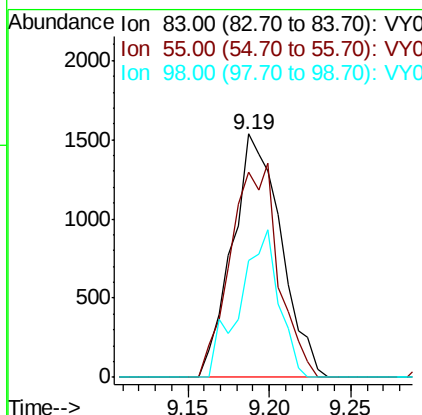
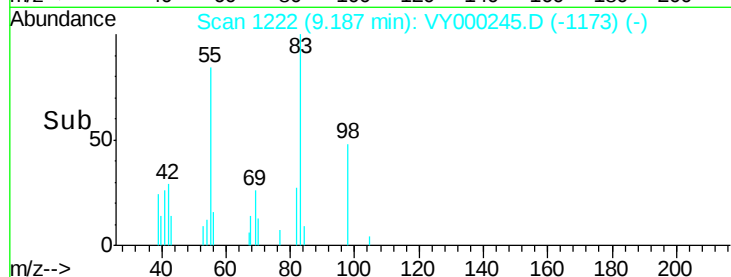
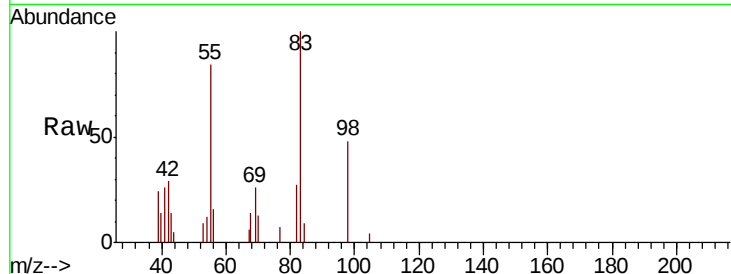
#39  
Methvlcvclohexane  
Concen: 0.489 ug/l  
RT: 9.19 min Scan# 1222  
Delta R.T. 0.00 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
0.5PPBMDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 84.3  | 60.2  | 90.4  |
| 98      | 48.2  | 40.5  | 60.7  |

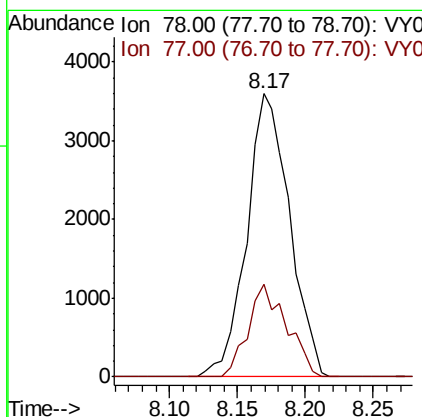
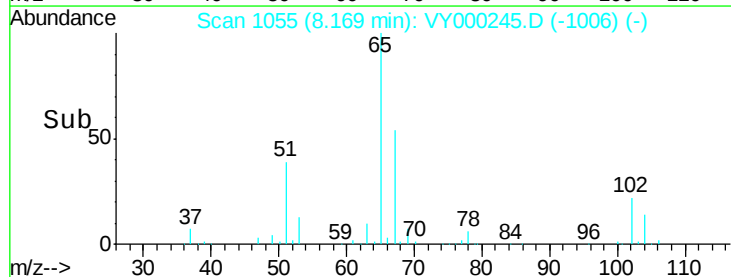
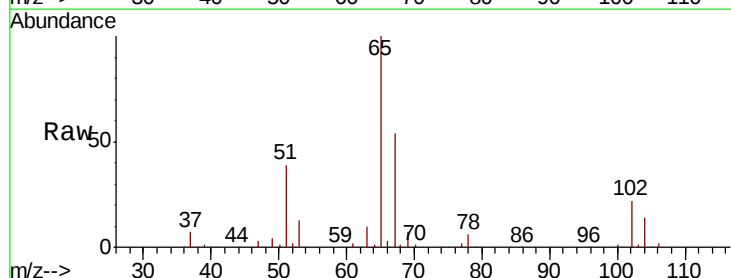
Manual Integrations  
APPROVED

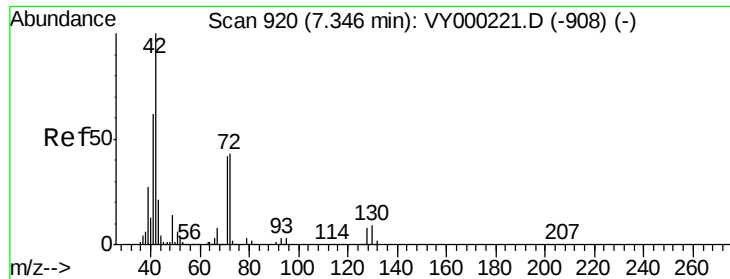
MMDadoda  
10/11/2019 8:40:44 AM



#40  
Benzene  
Concen: 0.501 ug/l  
RT: 8.17 min Scan# 1055  
Delta R.T. 0.00 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 32.7  | 18.6  | 28.0# |





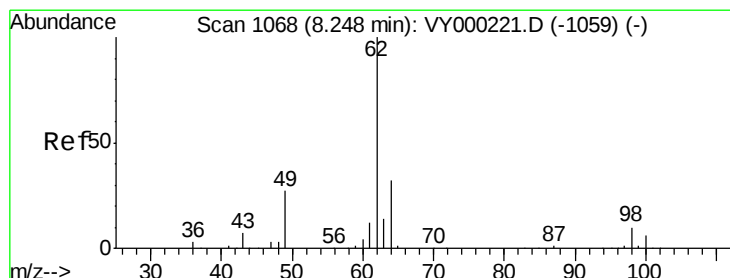
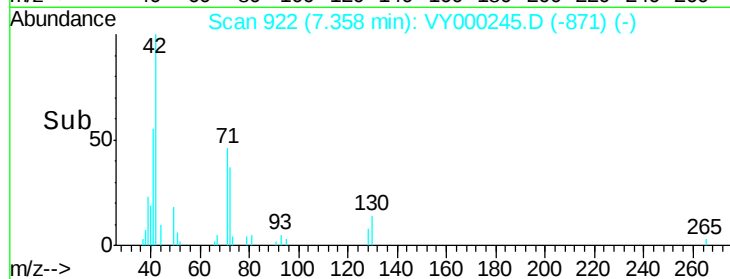
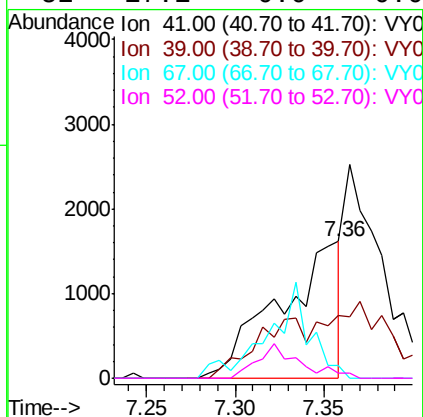
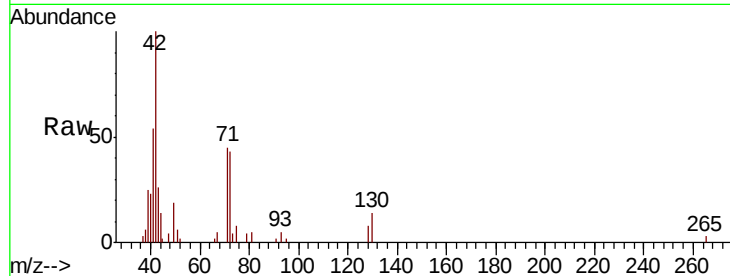
#41  
Methacrylonitrile  
Concen: 0.527 ug/l m  
RT: 7.36 min Scan# 922  
Delta R.T. 0.01 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
0.5PPBMDL

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 41      | 100   |       |        |
| 39      | 35.6  | 74.7  | 112.1# |
| 67      | 47.4  | 0.0   | 0.0#   |
| 52      | 17.1  | 0.0   | 0.0#   |

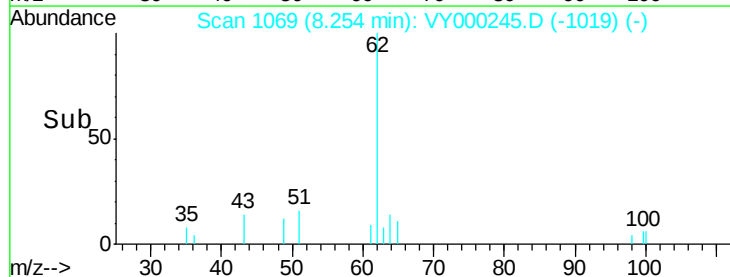
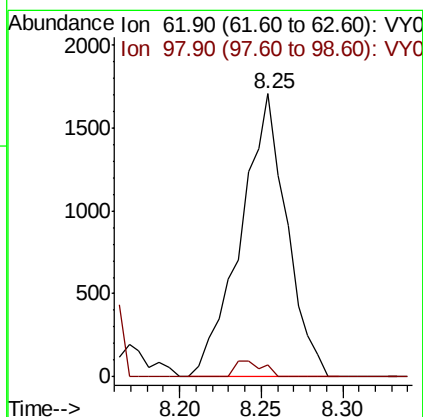
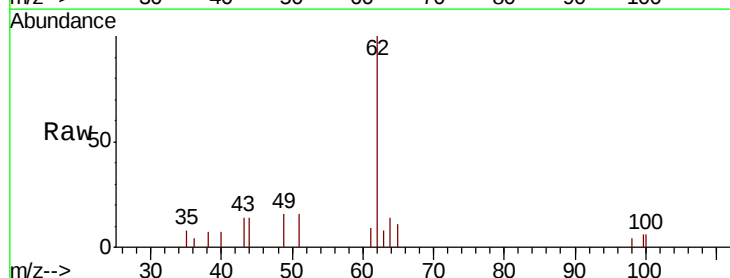
Manual Integrations  
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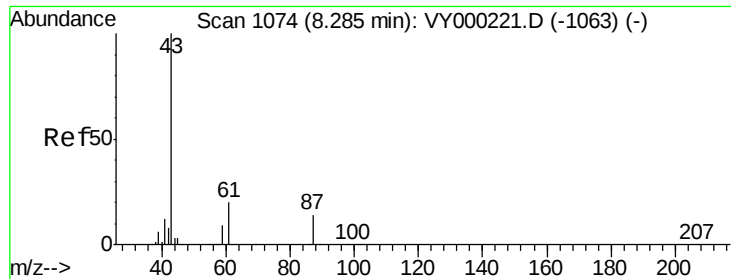
MMDadoda  
10/11/2019 8:40:44 AM



#42  
1,2-Dichloroethane  
Concen: 0.652 ug/l  
RT: 8.25 min Scan# 1069  
Delta R.T. 0.01 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 3.5   | 0.0   | 20.0  |





#43

Isopropyl Acetate

Concen: 0.481 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

Instrument :

MSVOA\_Y

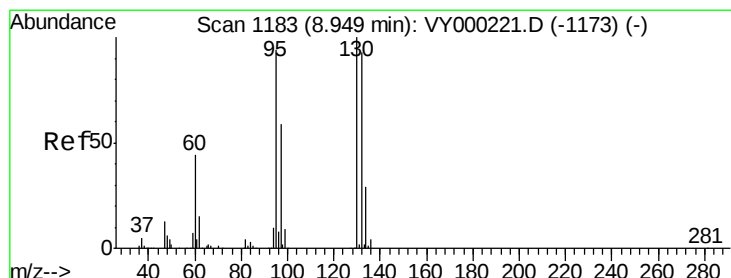
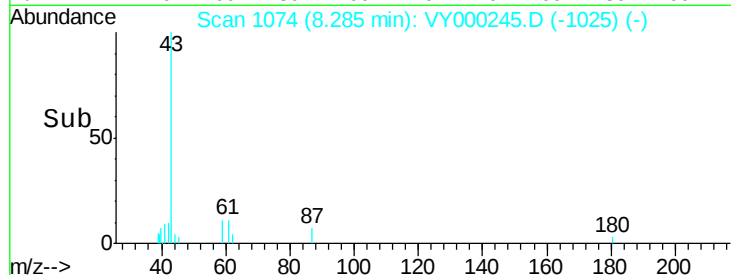
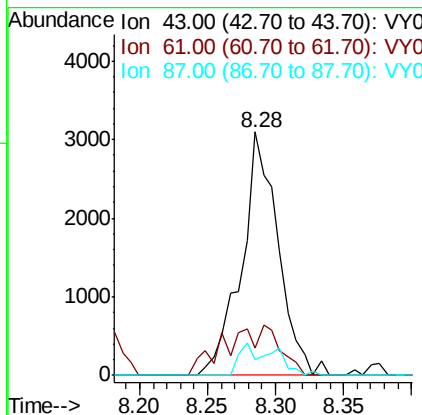
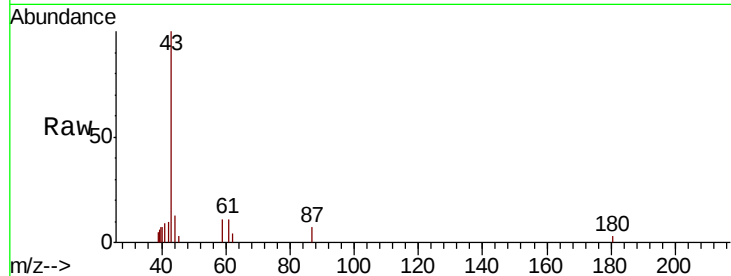
ClientSampleId :

0.5PPBMDL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 5854  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 18.5  | 20.1  | 30.1# |
| 87       | 7.1   | 10.6  | 15.8# |

Manual Integrations  
APPROVED

MMDadoda  
10/11/2019 8:40:44 AM



#44

Trichloroethene

Concen: 0.539 ug/l

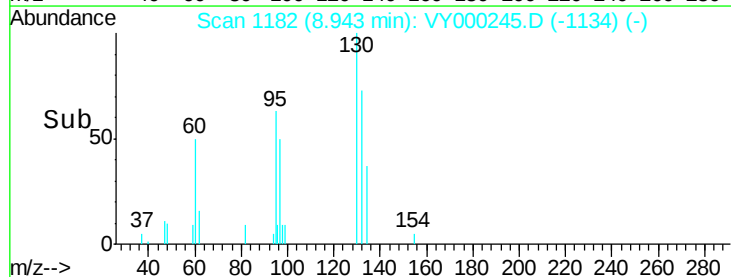
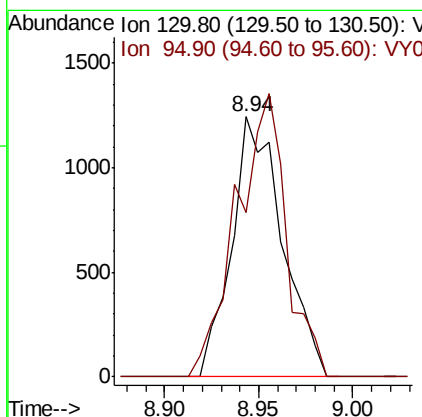
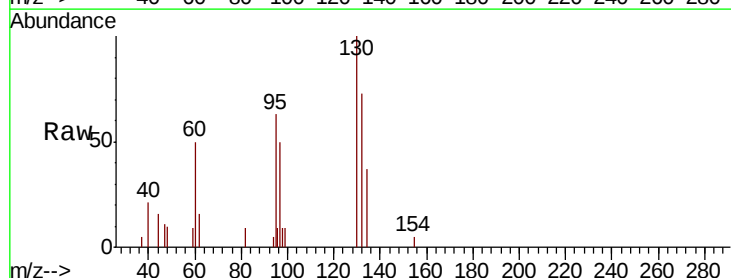
RT: 8.94 min Scan# 1182

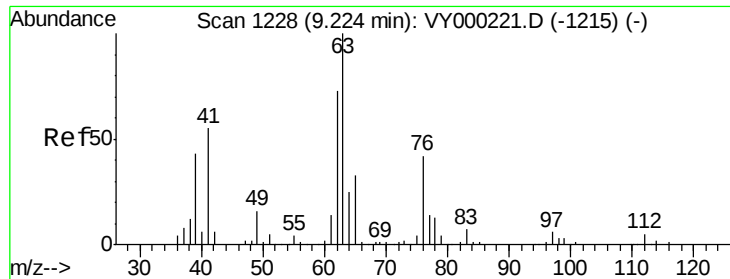
Delta R.T. -0.01 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 2315  |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 63.2  | 0.0   | 189.0 |





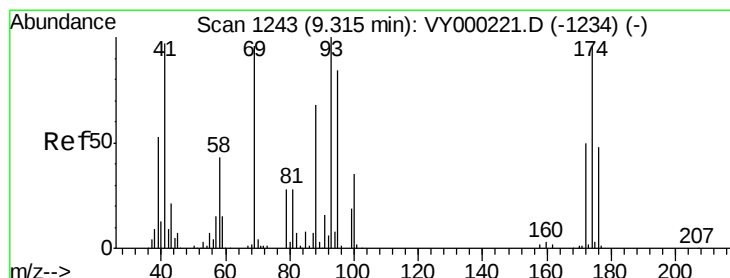
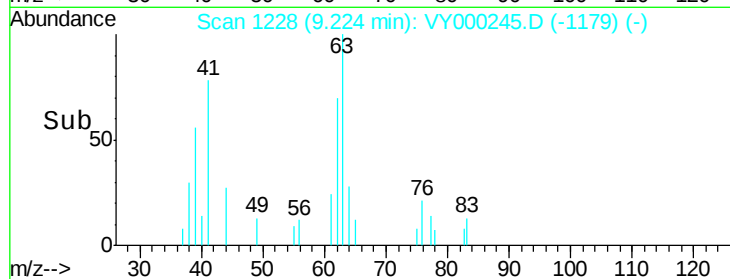
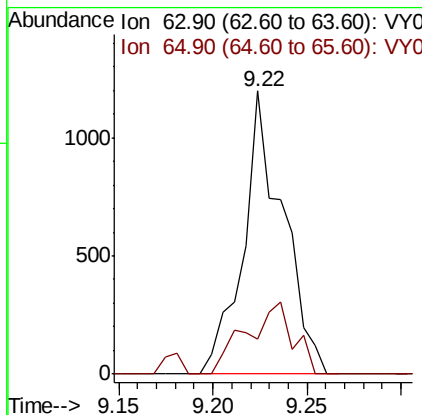
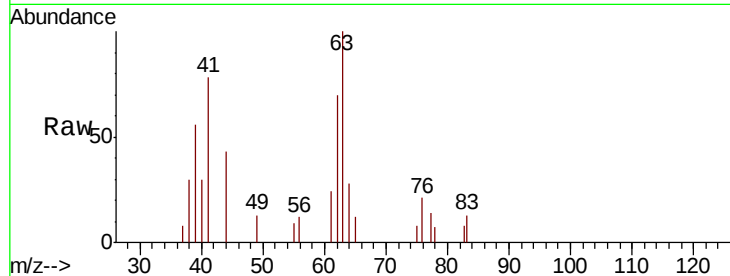
#45  
 1,2-Dichloropropane  
 Concen: 0.440 ug/l  
 RT: 9.22 min Scan# 1228  
 Delta R.T. 0.00 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 0.5PPBMDL

Tot Ion: 63 Resp: 1749  
 Ion Ratio Lower Upper  
 63 100  
 65 12.3 26.6 39.8#

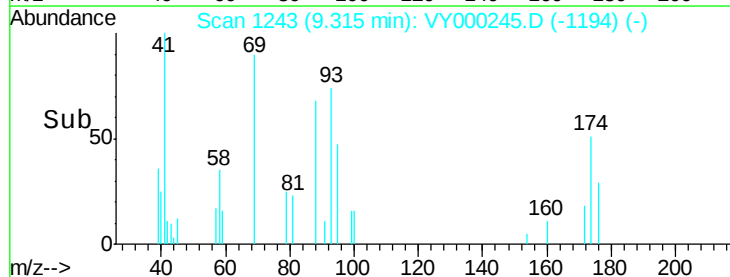
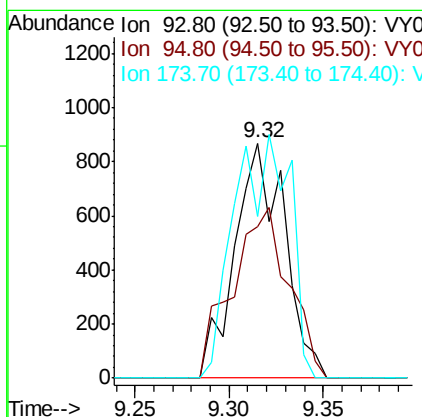
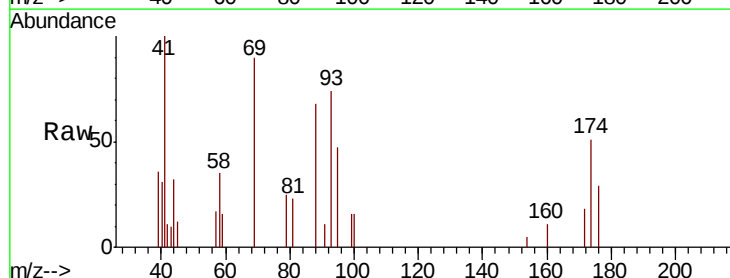
Manual Integrations  
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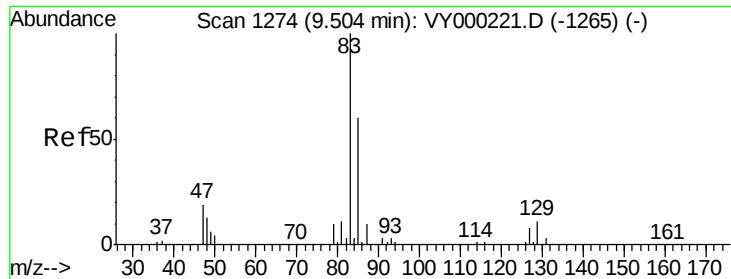
MMDadoda  
 10/11/2019 8:40:44 AM



#46  
 Dibromomethane  
 Concen: 0.571 ug/l  
 RT: 9.32 min Scan# 1243  
 Delta R.T. 0.00 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

Tgt Ion: 93 Resp: 1589  
 Ion Ratio Lower Upper  
 93 100  
 95 82.8 67.0 100.6  
 174 58.8 77.5 116.3#





#47

Bromodichloromethane

Concen: 0.527 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

Instrument :

MSVOA\_Y

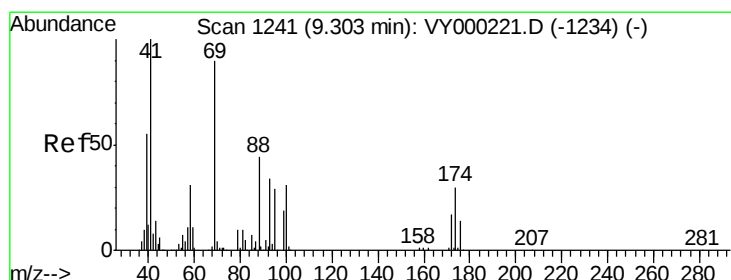
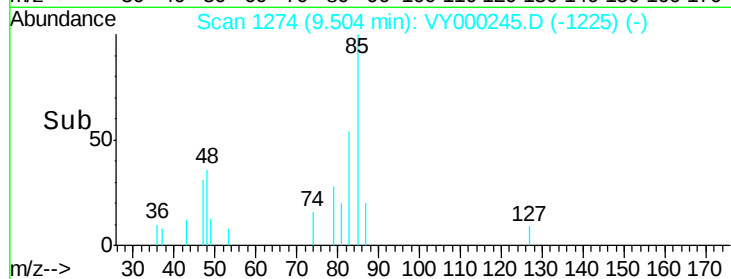
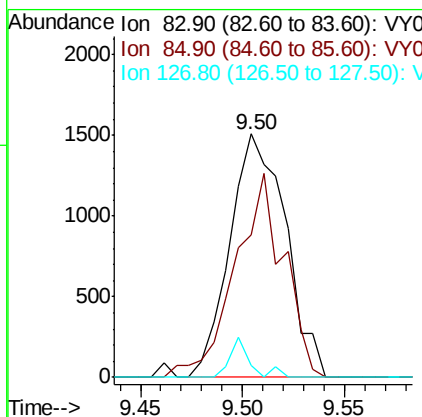
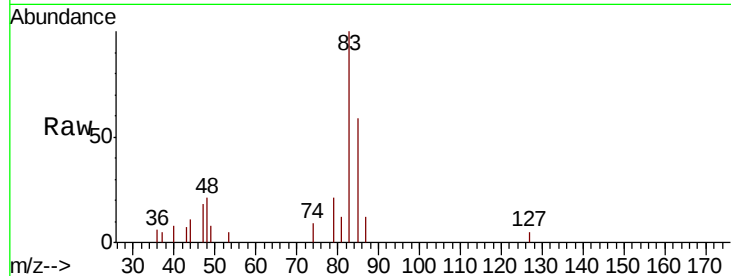
ClientSampleId :

0.5PPBMDL

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 83    | Resp: | 2868 |
| Ion Ratio | Lower | Upper |      |
| 83        | 100   |       |      |
| 85        | 58.8  | 48.0  | 72.0 |
| 127       | 5.0   | 6.5   | 9.7# |

Manual Integrations  
APPROVED

MMDadoda  
10/11/2019 8:40:44 AM



#48

Methyl methacrylate

Concen: 0.534 ug/l

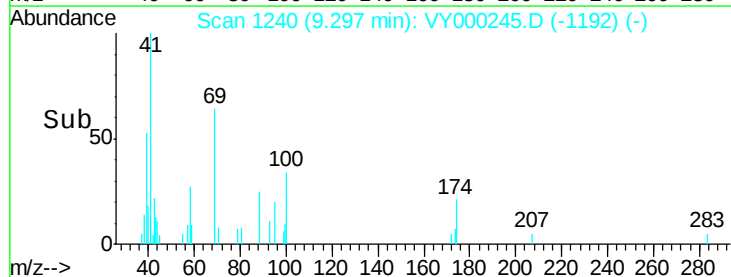
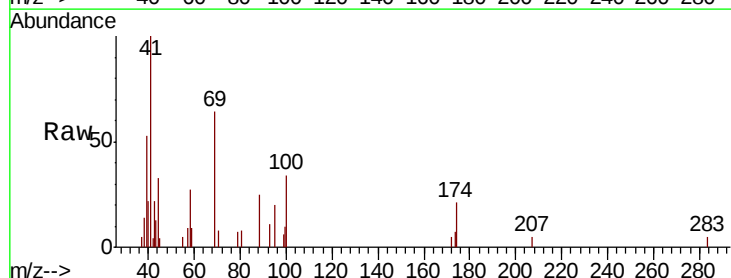
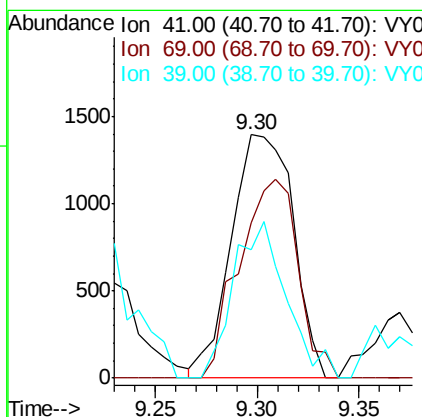
RT: 9.30 min Scan# 1240

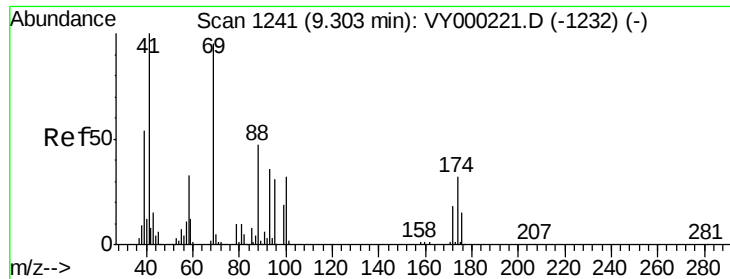
Delta R.T. -0.01 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 2933  |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 78.1  | 70.3  | 105.5 |
| 39        | 55.1  | 45.5  | 68.3  |





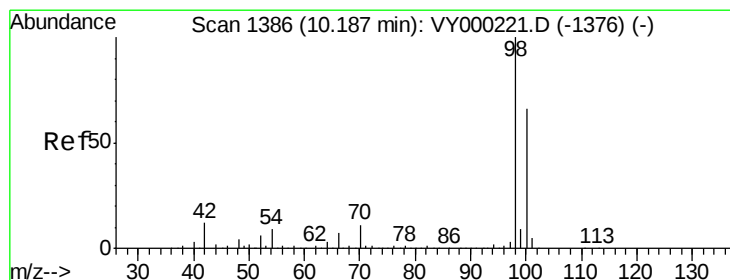
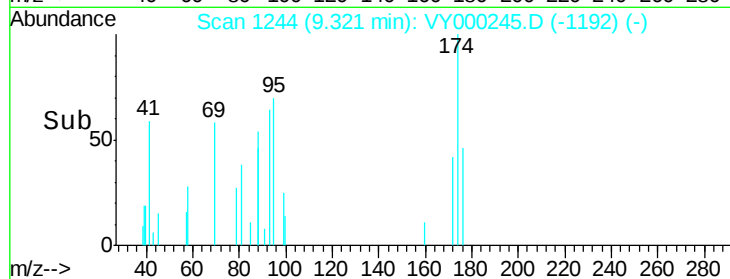
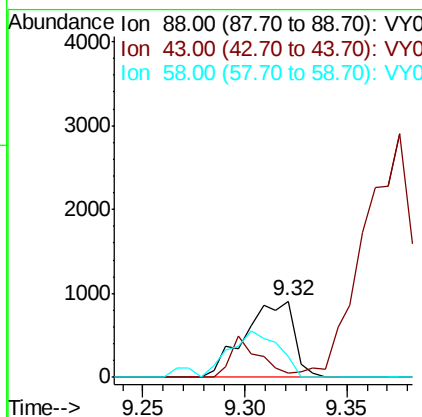
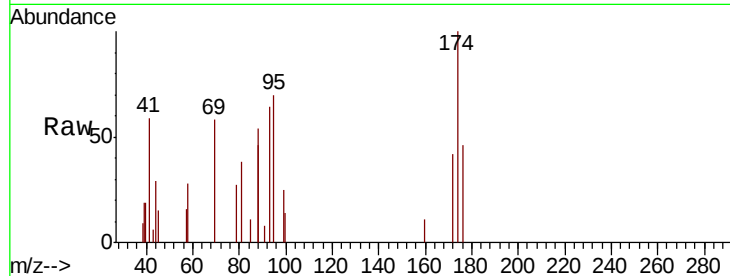
#49  
1,4-Dioxane  
Concen: 10.866 ug/l  
RT: 9.32 min Scan# 1244  
Delta R.T. 0.02 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
0.5PPBMDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 0.0   | 24.5  | 36.7# |
| 58      | 0.0   | 54.2  | 81.2# |

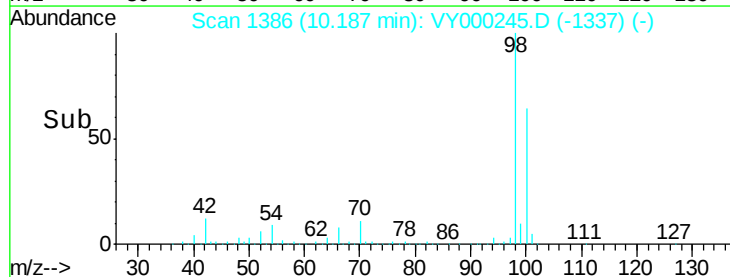
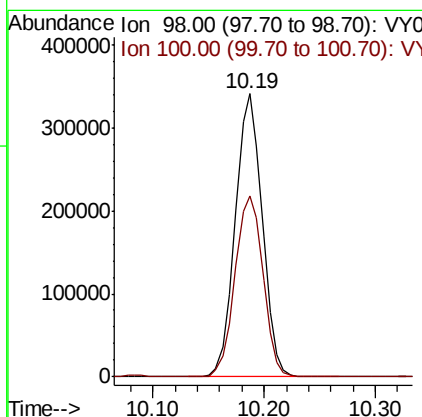
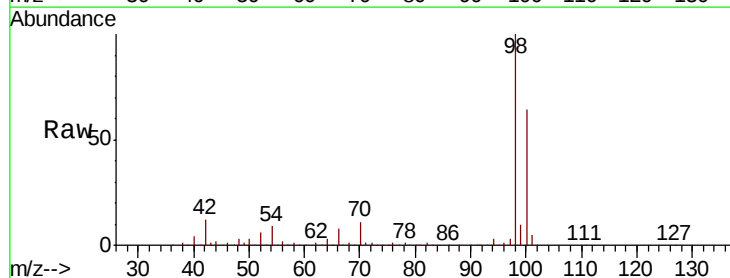
Manual Integrations  
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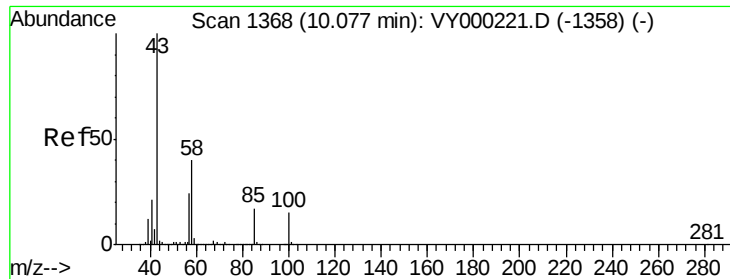
MMDadoda  
10/11/2019 8:40:44 AM



#50  
Toluene-d8  
Concen: 45.461 ug/l  
RT: 10.19 min Scan# 1386  
Delta R.T. 0.00 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.4  | 53.0  | 79.6  |





#51

4-Methyl-2-Pentanone

Concen: 2.376 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

Instrument :

MSVOA\_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 43 Resp: 21713

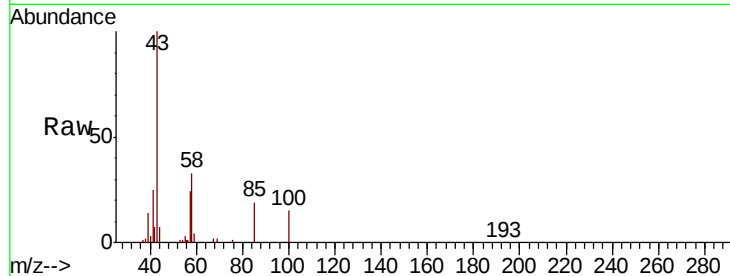
Ion Ratio Lower Upper

43 100

58 37.2 31.7 47.5

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MMDadoda  
10/11/2019 8:40:44 AM



Abundance Ion 43.00 (42.70 to 43.70): VY000221.D (-1358) (-)

Ion 58.00 (57.70 to 58.70): VY000221.D (-1358) (-)

10.08

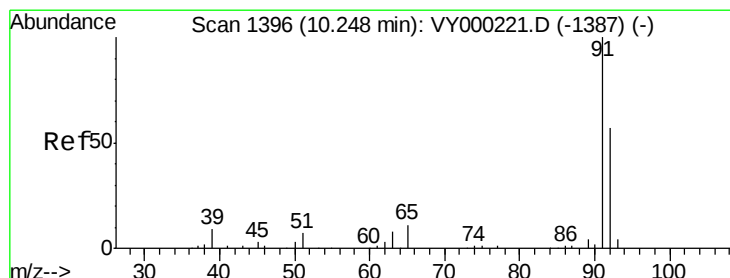
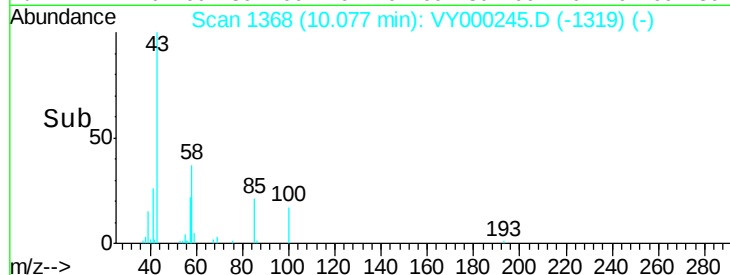
15000

10000

5000

0

Time-->



#52

Toluene

Concen: 0.434 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.01 min

Lab File: VY000245.D

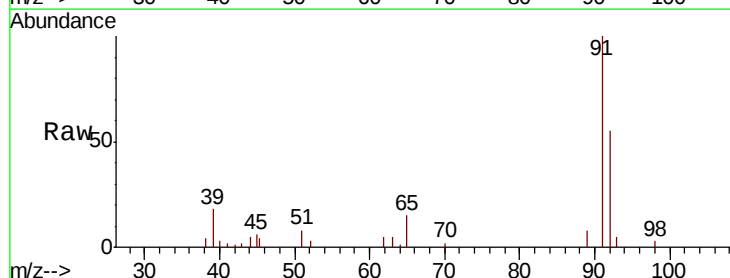
Acq: 09 Oct 2019 15:51

Tgt Ion: 92 Resp: 4414

Ion Ratio Lower Upper

92 100

91 185.6 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VY000221.D (-1387) (-)

Ion 91.00 (90.70 to 91.70): VY000221.D (-1387) (-)

10.25

5000

4000

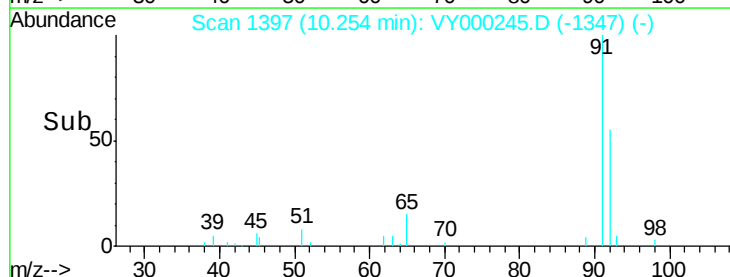
3000

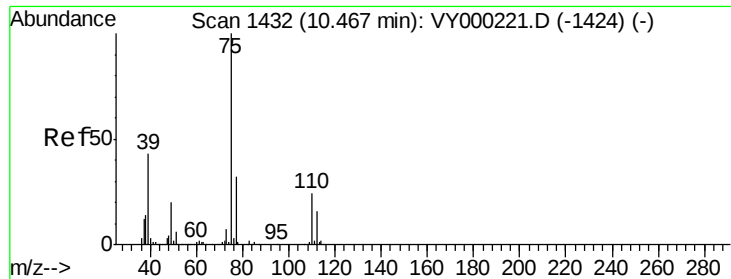
2000

1000

0

Time-->





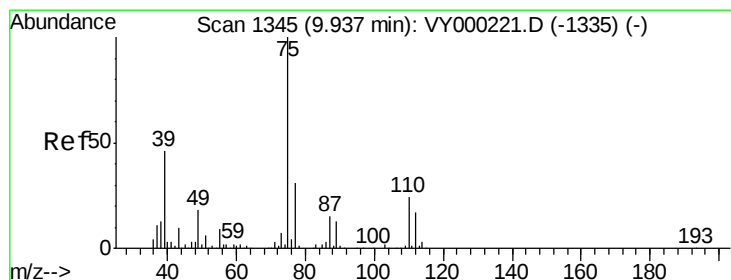
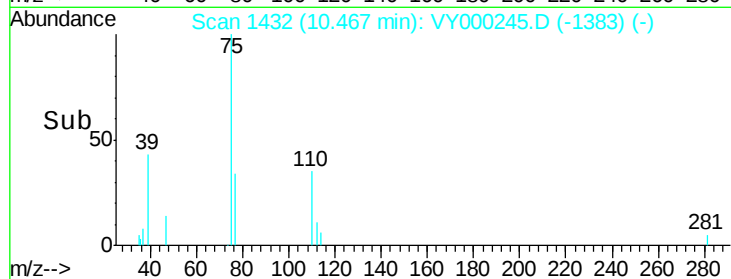
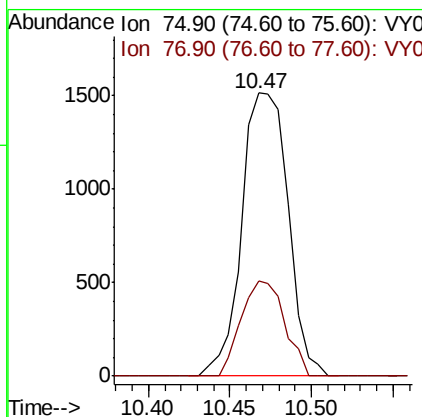
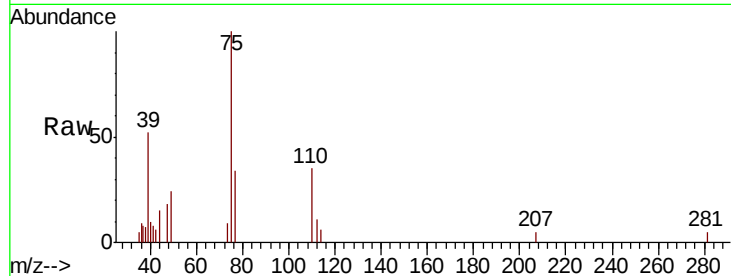
#53  
 t-1,3-Dichloropropene  
 Concen: 0.483 ug/l  
 RT: 10.47 min Scan# 1432  
 Delta R.T. 0.00 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 0.5PPBMDL

Tot Ion: 75 Resp: 2985  
 Ion Ratio Lower Upper  
 75 100  
 77 33.7 25.3 37.9

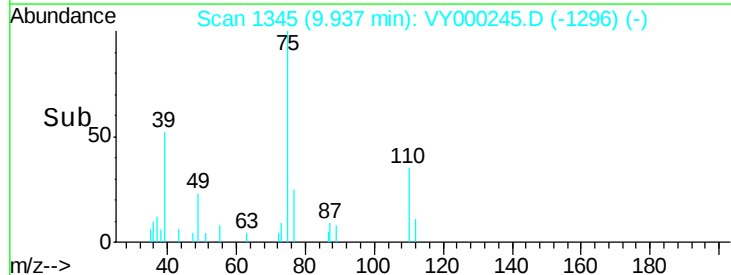
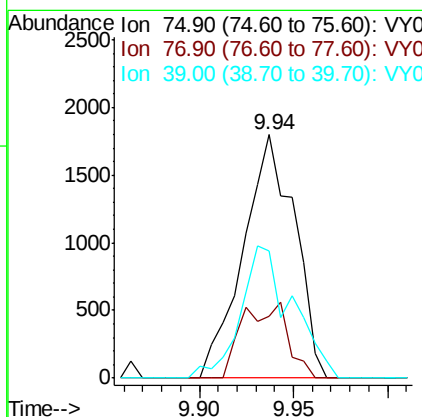
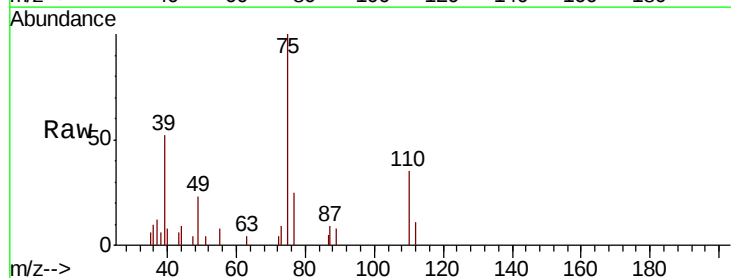
Manual Integrations  
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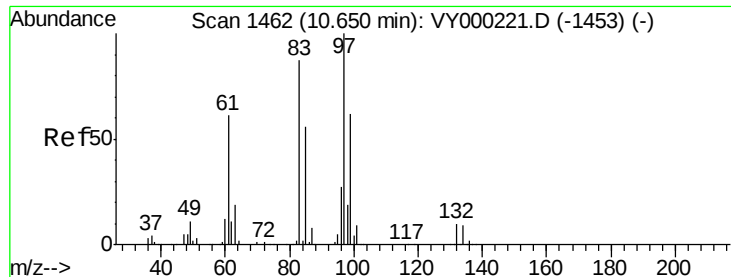
MMDadoda  
 10/11/2019 8:40:44 AM



#54  
 cis-1,3-Dichloropropene  
 Concen: 0.508 ug/l  
 RT: 9.94 min Scan# 1345  
 Delta R.T. 0.00 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

Tgt Ion: 75 Resp: 3394  
 Ion Ratio Lower Upper  
 75 100  
 77 25.2 25.0 37.4  
 39 52.2 36.3 54.5





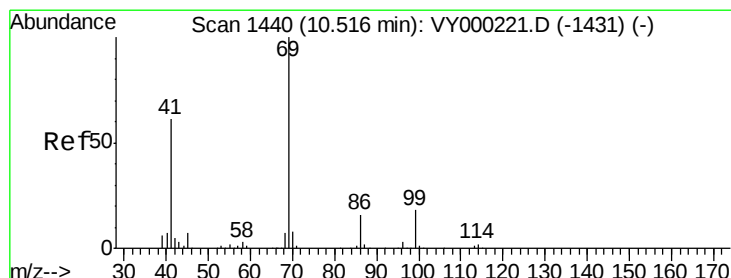
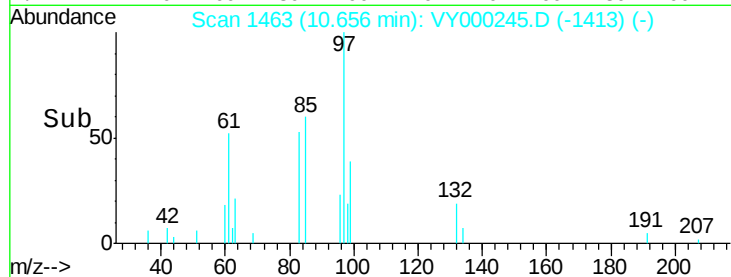
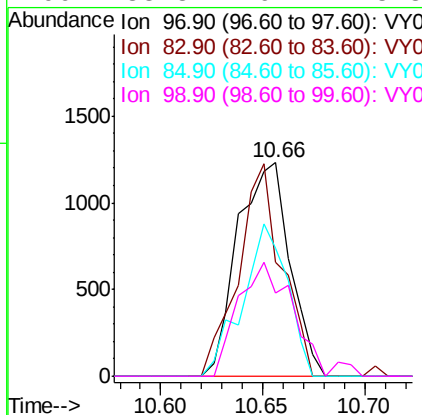
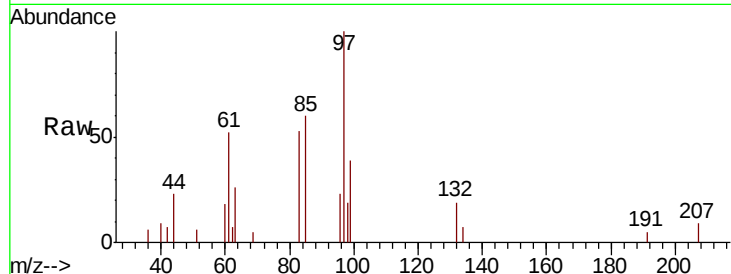
#55  
 1,1,2-Trichloroethane  
 Concen: 0.546 ug/l  
 RT: 10.66 min Scan# 1463  
 Delta R.T. 0.01 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 0.5PPBMDL

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 97      | 100   |       |        |
| 83      | 53.1  | 69.4  | 104.0# |
| 85      | 60.2  | 44.6  | 66.8   |
| 99      | 38.8  | 49.2  | 73.8#  |

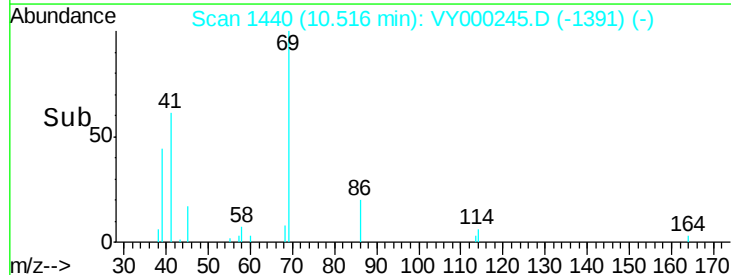
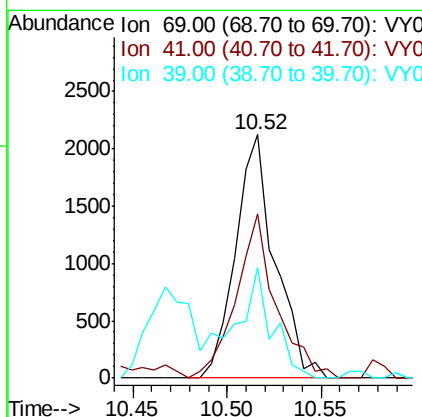
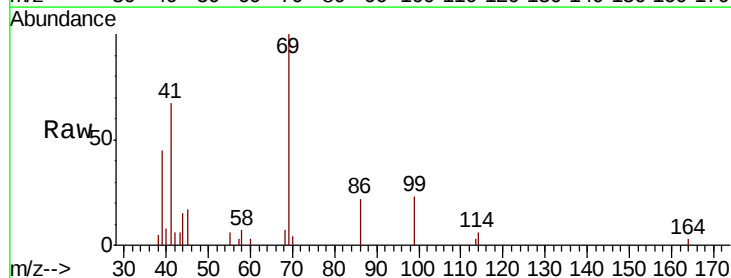
Manual Integrations  
 APPROVED

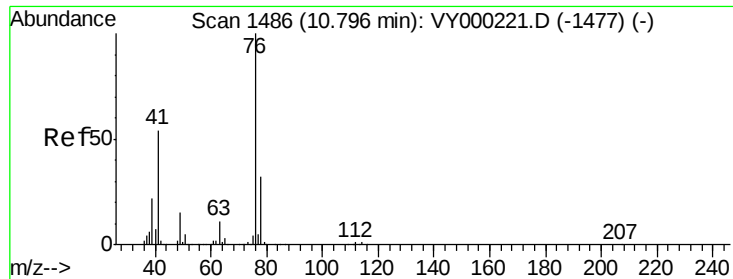
MMDadoda  
 10/11/2019 8:40:44 AM



#56  
 Ethyl methacrylate  
 Concen: 0.437 ug/l  
 RT: 10.52 min Scan# 1440  
 Delta R.T. 0.00 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 68.1  | 51.2  | 76.8  |
| 39      | 34.8  | 27.0  | 40.4  |





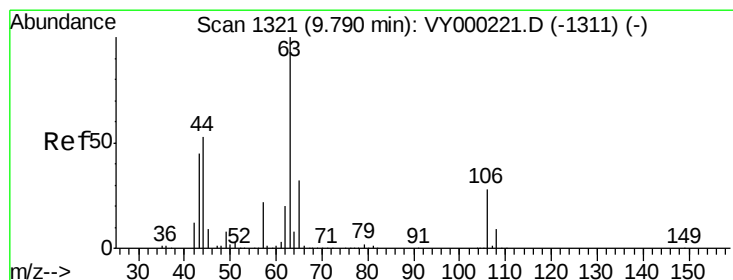
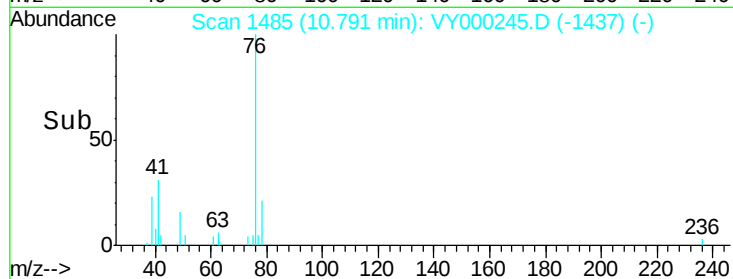
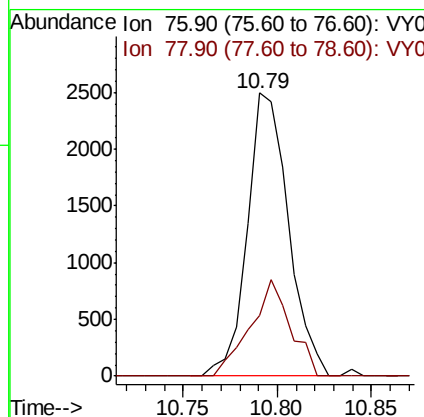
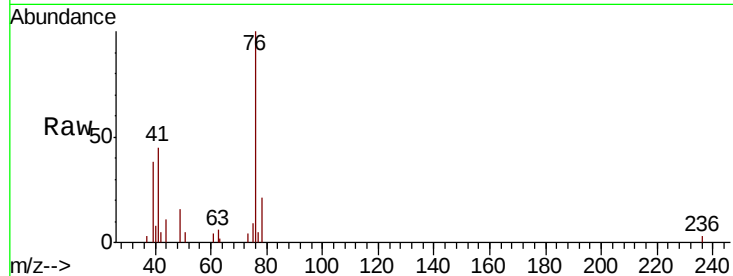
#57  
 1,3-Dichloropropane  
 Concen: 0.552 ug/l  
 RT: 10.79 min Scan# 1485  
 Delta R.T. -0.01 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 0.5PPBMDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 33.0  | 26.0  | 39.0  |

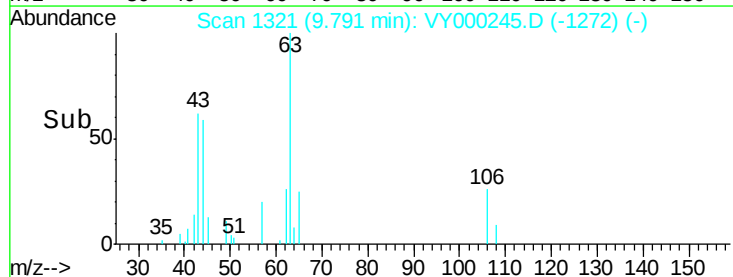
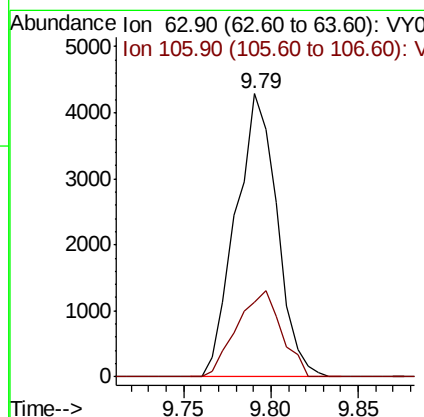
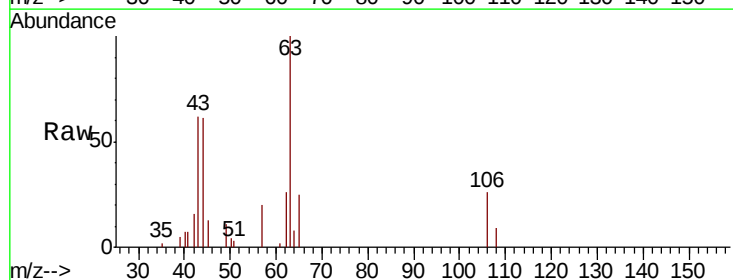
Manual Integrations  
 APPROVED

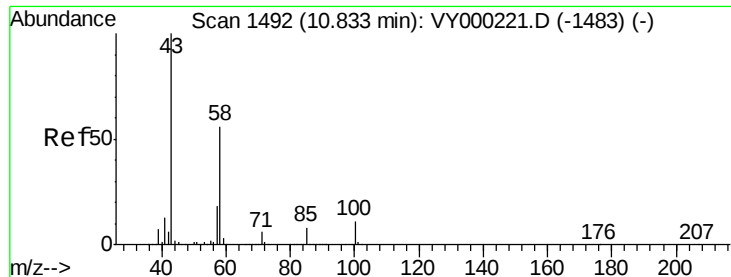
MMDadoda  
 10/11/2019 8:40:44 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 2.238 ug/l  
 RT: 9.79 min Scan# 1321  
 Delta R.T. 0.00 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 32.8  | 22.6  | 33.8  |





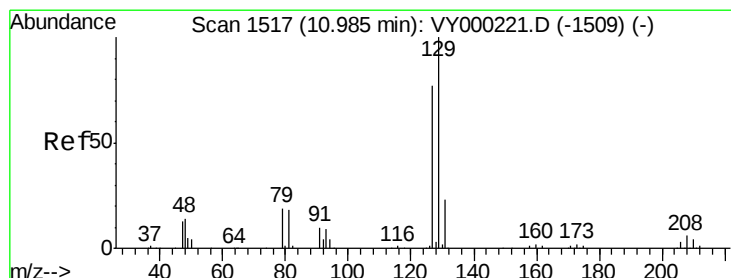
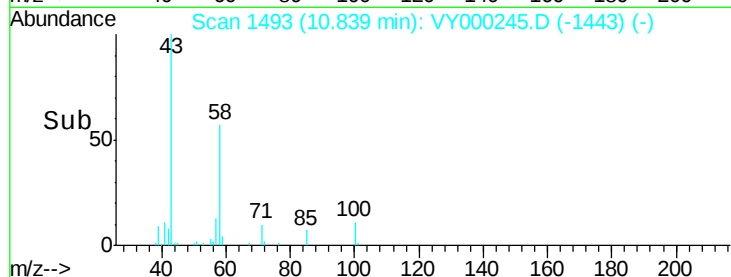
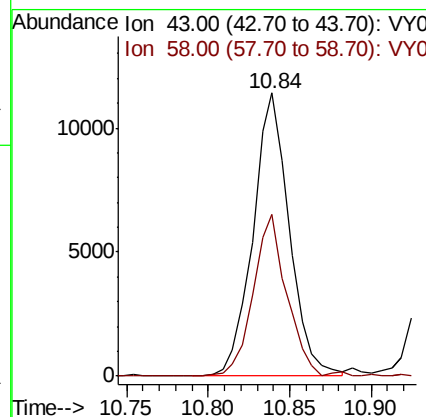
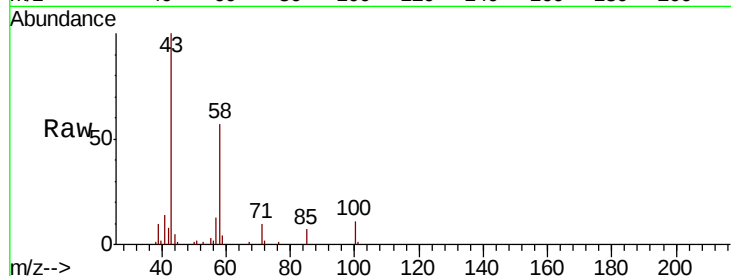
#59  
2-Hexanone  
Concen: 2.288 ug/l  
RT: 10.84 min Scan# 1493  
Delta R.T. 0.01 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
0.5PPBMDL

| Tot Ion   | 43   | Resp  | 17721 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 43        | 100  |       |       |
| 58        | 53.0 | 28.2  | 84.6  |

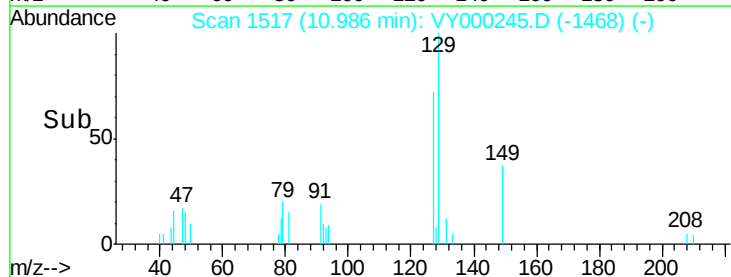
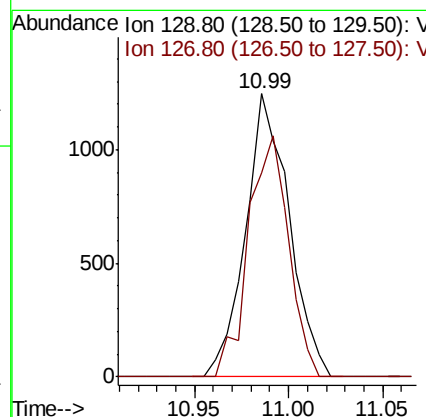
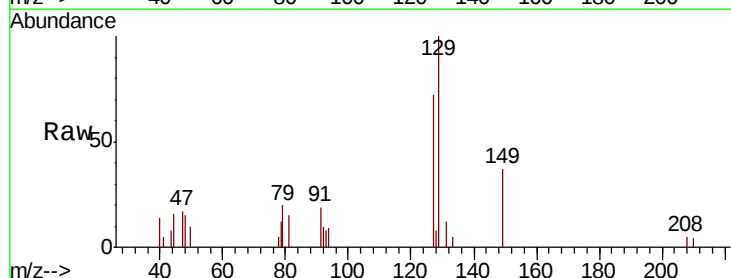
Manual Integrations  
APPROVED

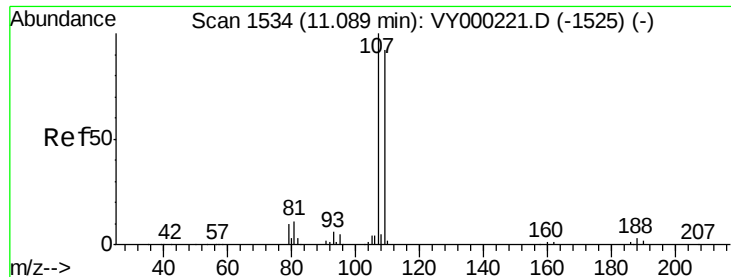
MMDadoda  
10/11/2019 8:40:44 AM



#60  
Dibromochloromethane  
Concen: 0.471 ug/l  
RT: 10.99 min Scan# 1517  
Delta R.T. 0.00 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

| Tgt Ion   | 129  | Resp  | 1997  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 129       | 100  |       |       |
| 127       | 78.3 | 39.1  | 117.2 |





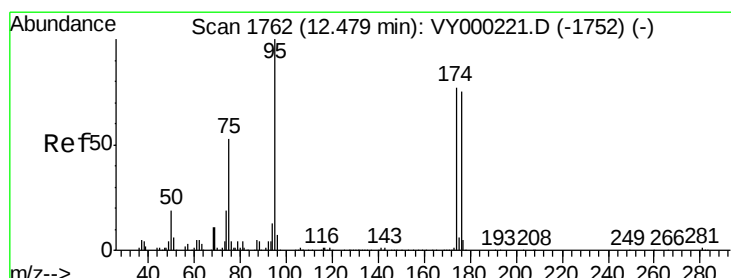
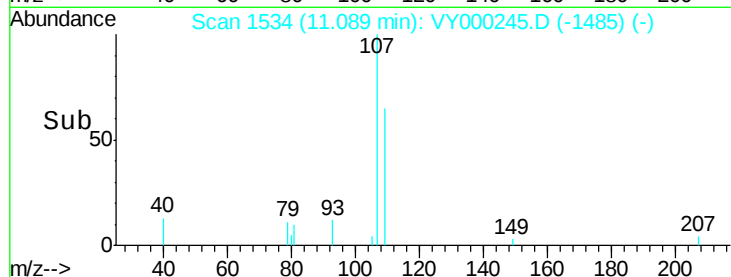
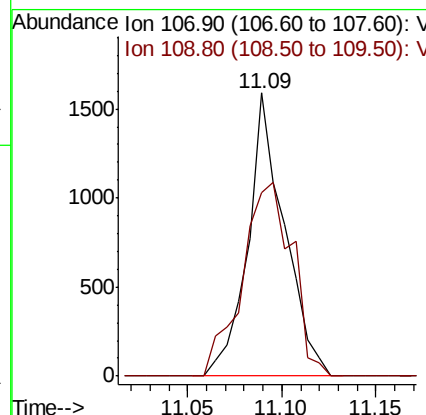
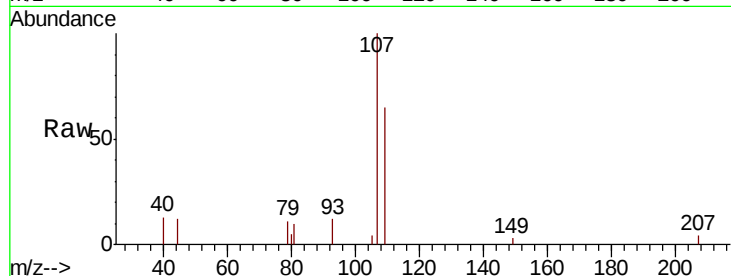
#61  
 1,2-Dibromoethane  
 Concen: 0.502 ug/l  
 RT: 11.09 min Scan# 1534  
 Delta R.T. 0.00 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 0.5PPBMDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.5  | 75.0  | 112.6 |

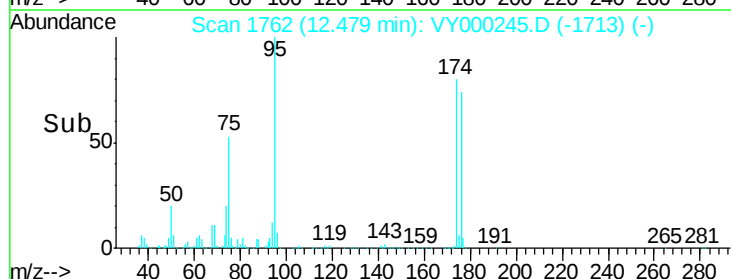
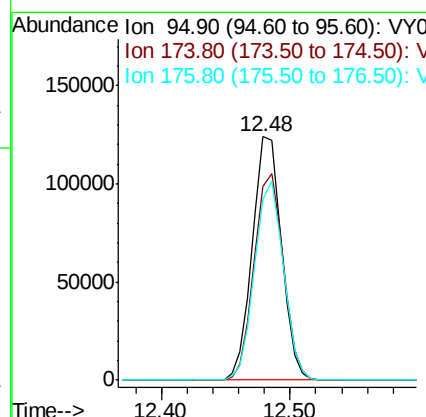
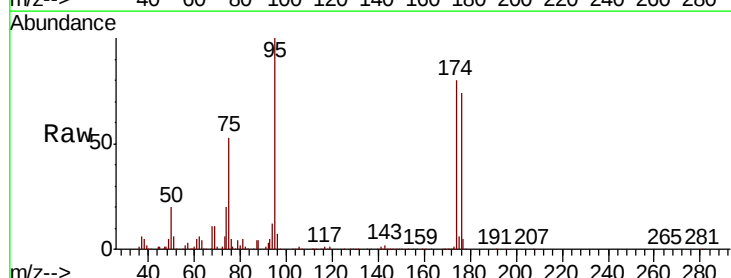
Manual Integrations  
 APPROVED

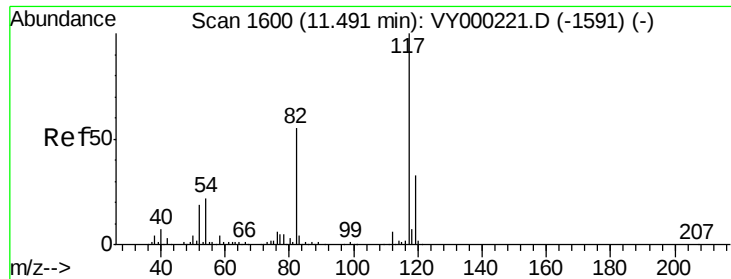
MMDadoda  
 10/11/2019 8:40:44 AM



#62  
 4-Bromofluorobenzene  
 Concen: 43.507 ug/l  
 RT: 12.48 min Scan# 1762  
 Delta R.T. 0.00 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 85.4  | 0.0   | 157.0 |
| 176     | 81.3  | 0.0   | 153.0 |





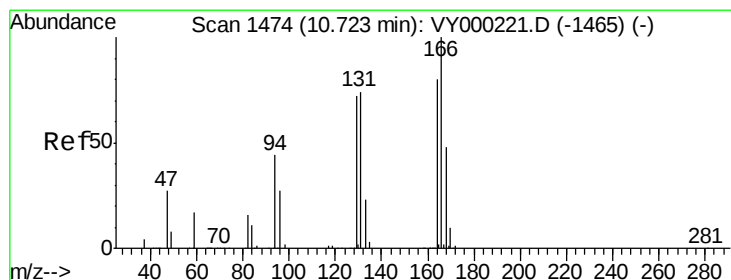
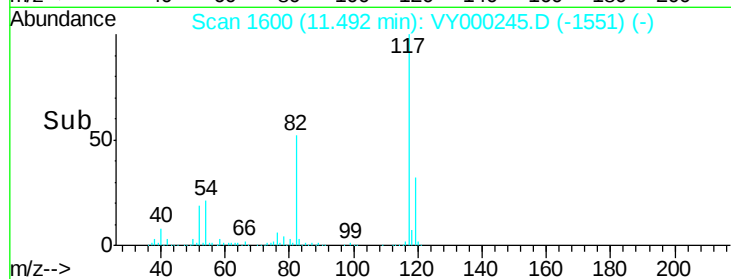
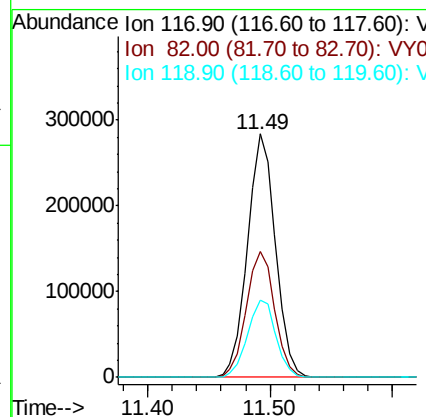
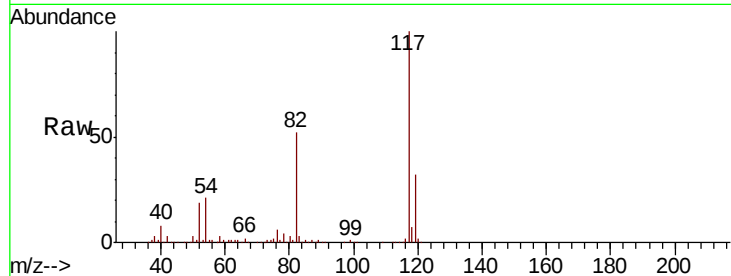
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
0.5PPBMDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.7  | 44.4  | 66.6  |
| 119     | 31.6  | 26.2  | 39.2  |

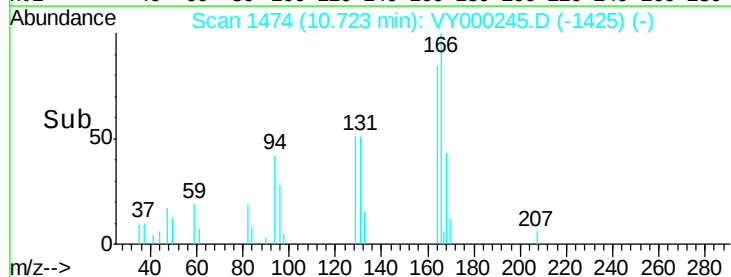
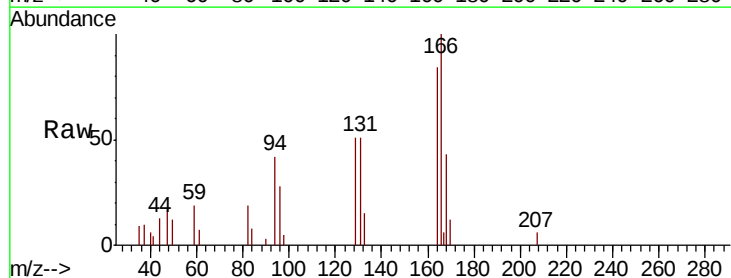
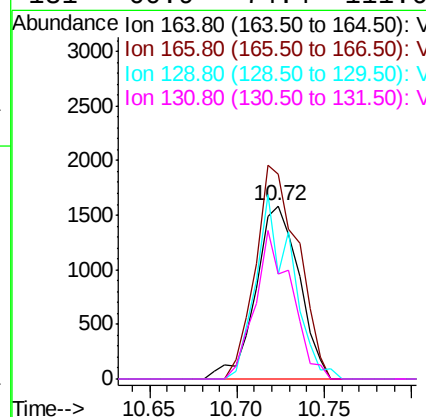
Manual Integrations  
APPROVED

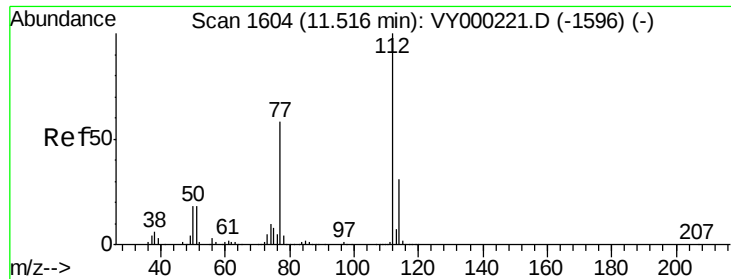
MMDadoda  
10/11/2019 8:40:44 AM



#64  
Tetrachloroethene  
Concen: 0.664 ug/l  
RT: 10.72 min Scan# 1474  
Delta R.T. 0.00 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 164     | 100   |       |        |
| 166     | 118.7 | 100.3 | 150.5  |
| 129     | 60.8  | 72.4  | 108.6# |
| 131     | 60.9  | 74.4  | 111.6# |





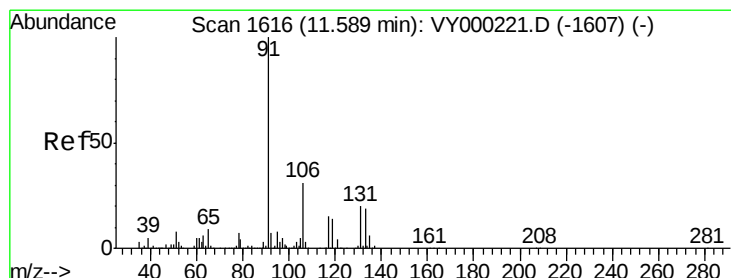
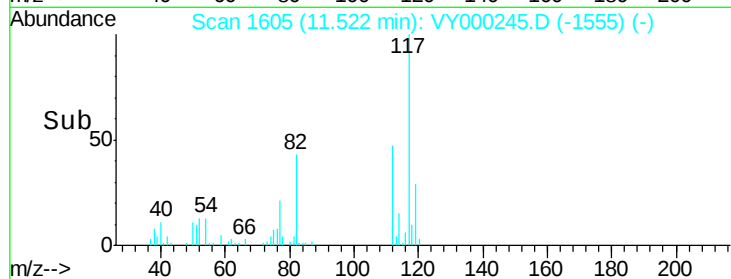
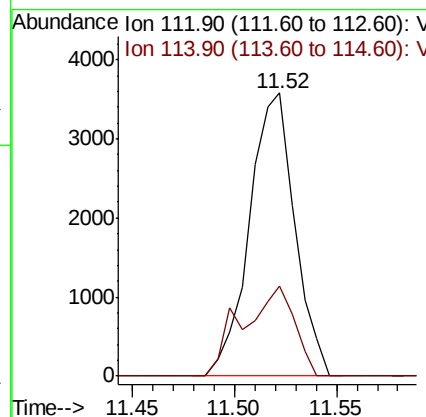
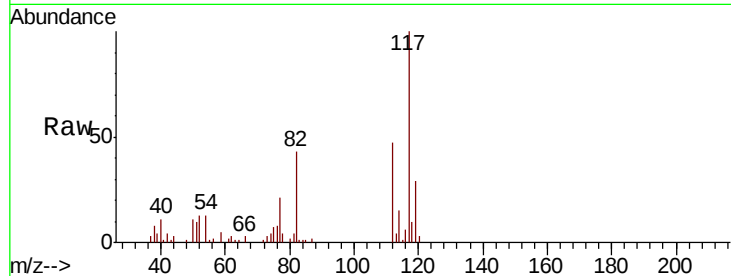
#65  
Chlorobenzene  
Concen: 0.531 ug/l  
RT: 11.52 min Scan# 1605  
Delta R.T. 0.01 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
0.5PPBMDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.8  | 25.0  | 37.4  |

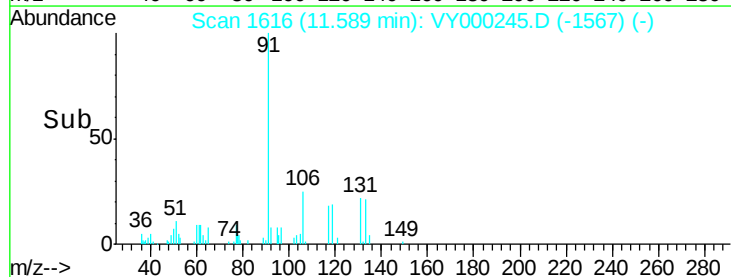
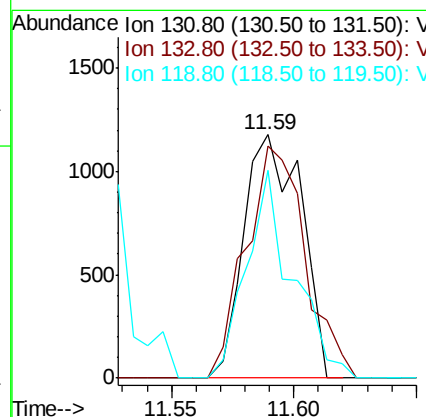
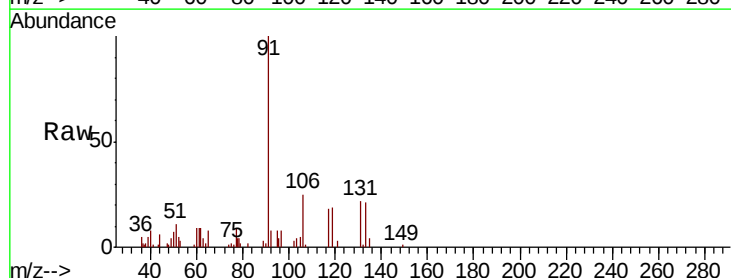
Manual Integrations  
APPROVED

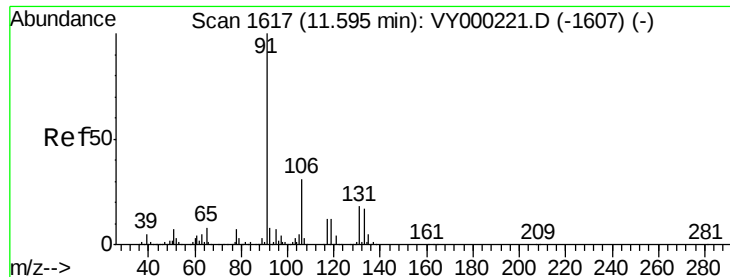
MMDadoda  
10/11/2019 8:40:44 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 0.514 ug/l  
RT: 11.59 min Scan# 1616  
Delta R.T. 0.00 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 98.9  | 47.0  | 141.2 |
| 119     | 0.0   | 33.3  | 99.8# |





#67

Ethyl Benzene

Concen: 0.545 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

Instrument :

MSVOA\_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 91 Resp: 10169

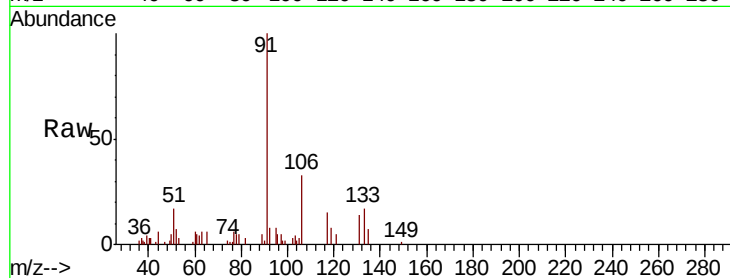
Ion Ratio Lower Upper

91 100

106 32.6 25.2 37.8

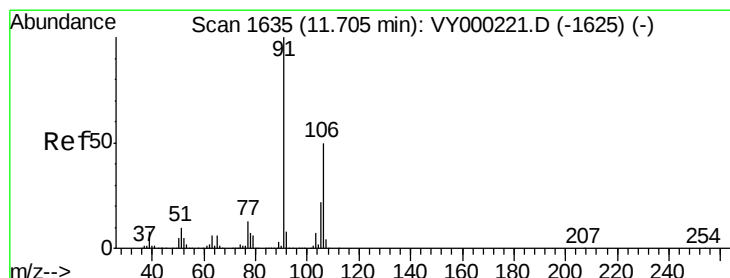
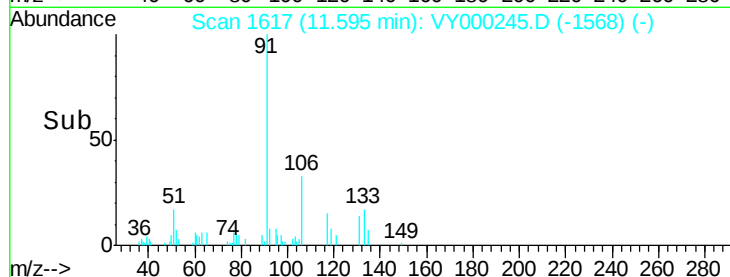
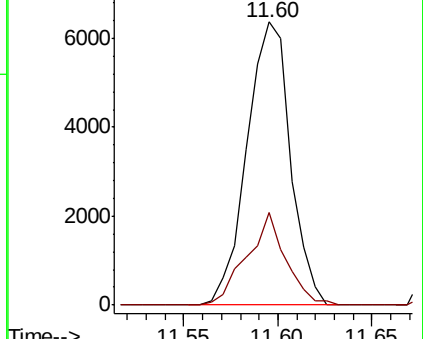
Manual Integrations  
APPROVED

MMDadoda  
10/11/2019 8:40:44 AM



Abundance Ion 91.00 (90.70 to 91.70): VY000221.D (-1607) (-)

Ion 106.00 (105.70 to 106.70): VY000221.D (-1607) (-)



#68

m/p-Xylenes

Concen: 0.998 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VY000245.D

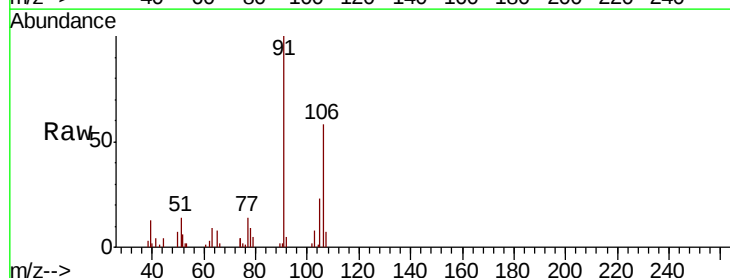
Acq: 09 Oct 2019 15:51

Tgt Ion: 106 Resp: 7108

Ion Ratio Lower Upper

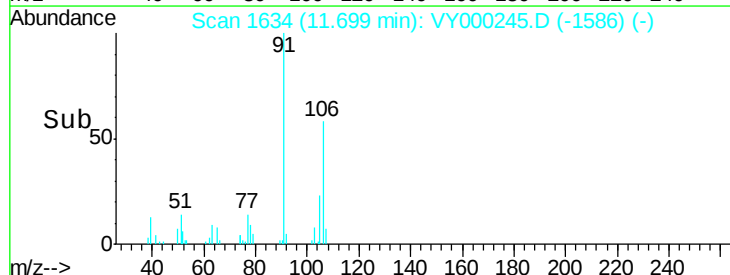
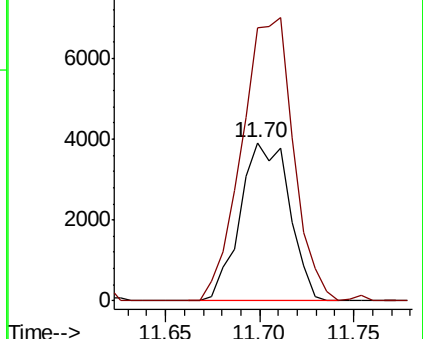
106 100

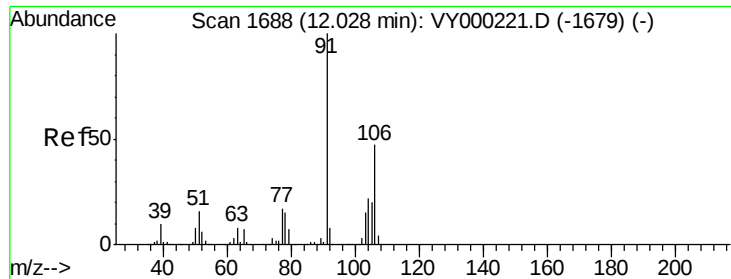
91 186.8 159.9 239.9



Abundance Ion 106.00 (105.70 to 106.70): VY000221.D (-1625) (-)

Ion 91.00 (90.70 to 91.70): VY000221.D (-1625) (-)





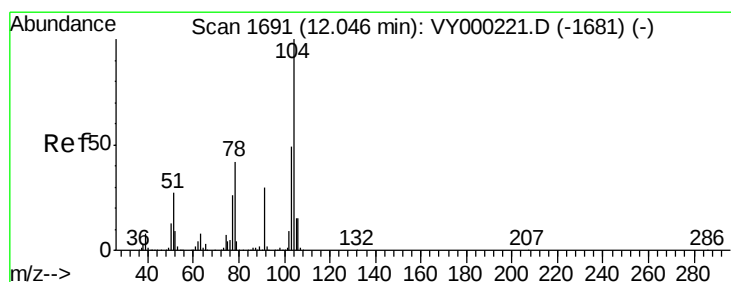
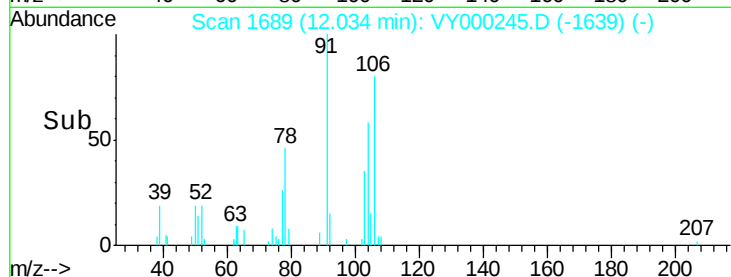
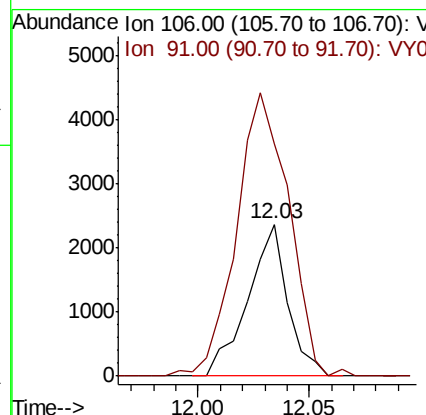
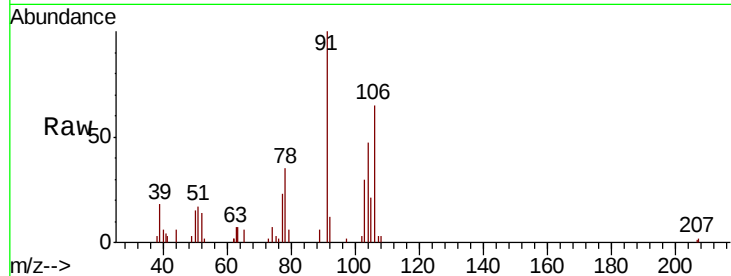
#69  
o-Xylene  
Concen: 0.430 ug/l  
RT: 12.03 min Scan# 1689  
Delta R.T. 0.01 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
0.5PPBMDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 244.0 | 106.1 | 318.1 |

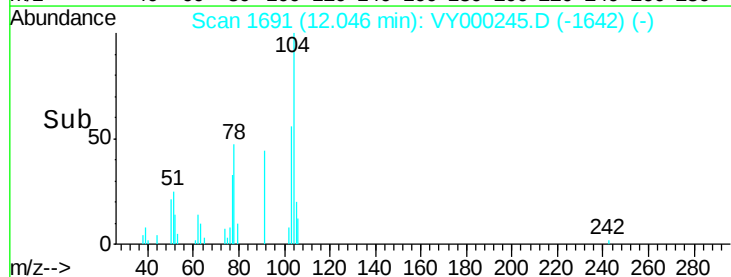
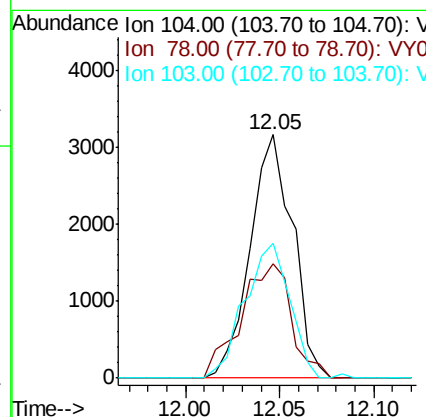
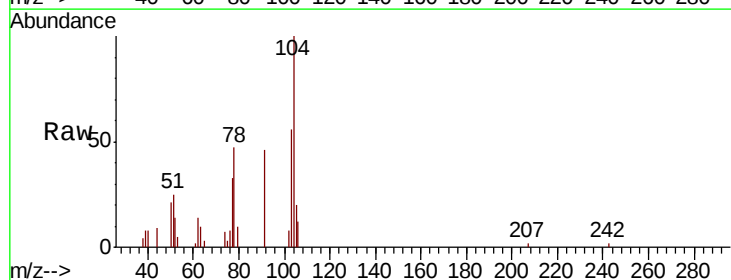
Manual Integrations  
APPROVED

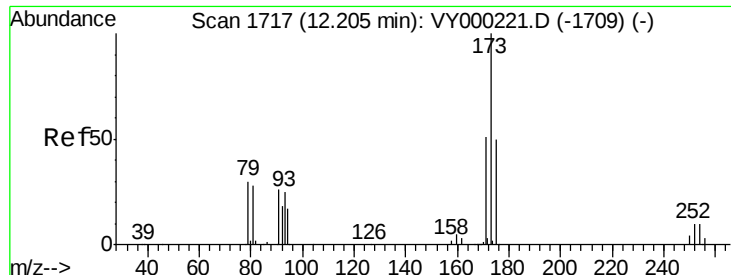
MMDadoda  
10/11/2019 8:40:44 AM



#70  
Styrene  
Concen: 0.419 ug/l  
RT: 12.05 min Scan# 1691  
Delta R.T. 0.00 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 55.7  | 39.0  | 58.4  |
| 103     | 58.5  | 43.1  | 64.7  |





#71

Bromoform

Concen: 0.477 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

Instrument :

MSVOA\_Y

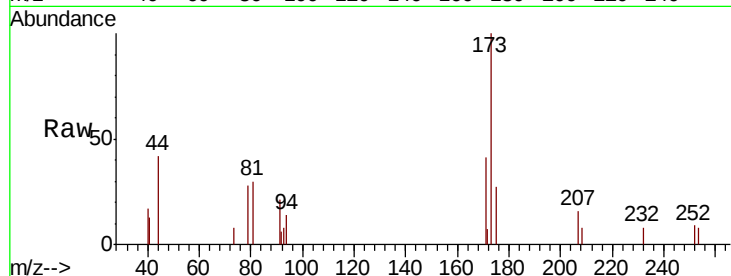
ClientSampleId :

0.5PPBMDL

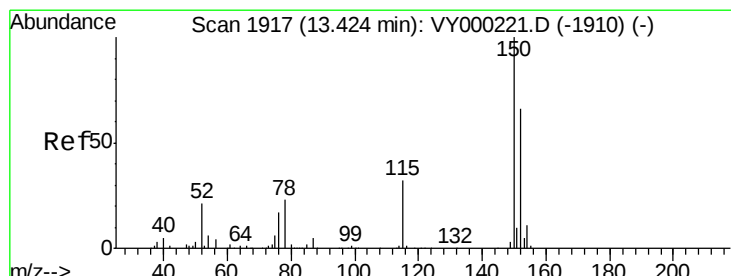
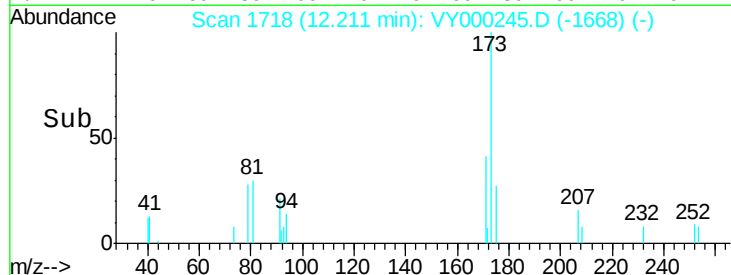
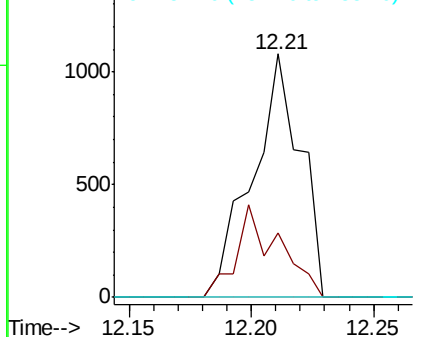
|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 173   | Resp: | 1469 |
| Ion Ratio | Lower | Upper |      |
| 173       | 100   |       |      |
| 175       | 33.7  | 24.8  | 74.3 |
| 254       | 0.0   | 0.1   | 0.1# |

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

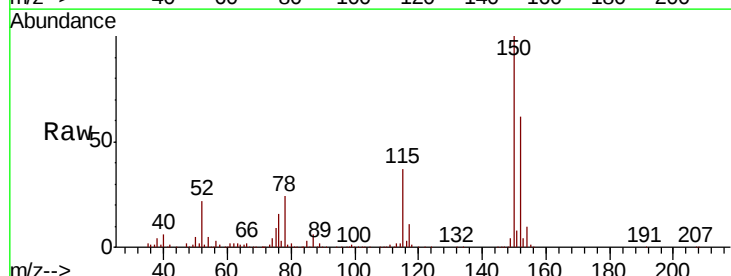
RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

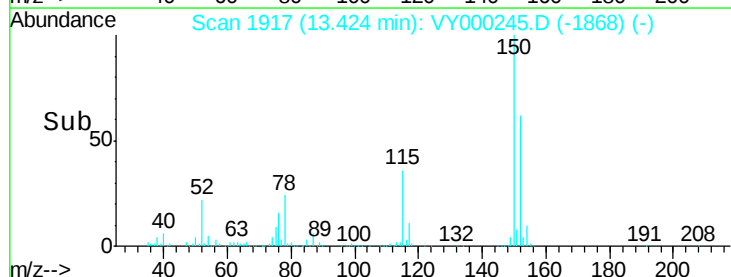
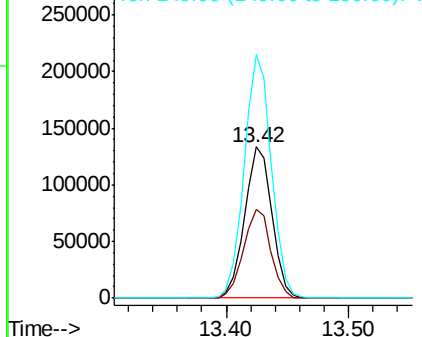
Lab File: VY000245.D

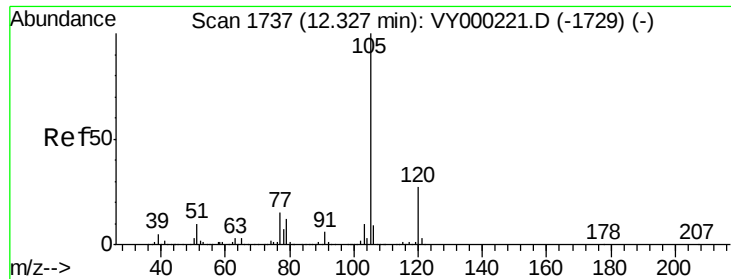
Acq: 09 Oct 2019 15:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 206654 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 58.7  | 29.3  | 88.0   |
| 150       | 159.7 | 0.0   | 349.6  |



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





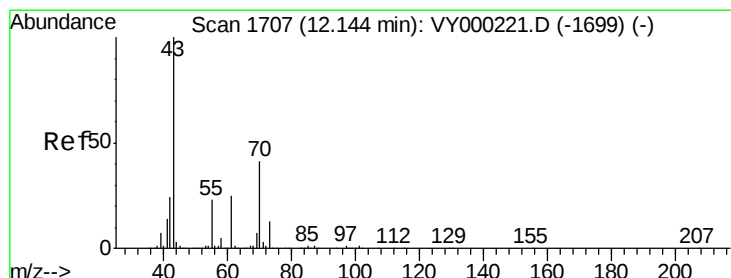
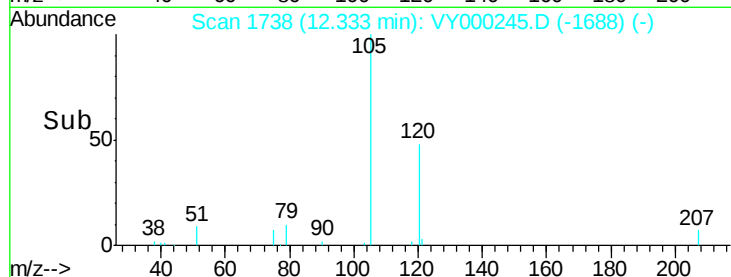
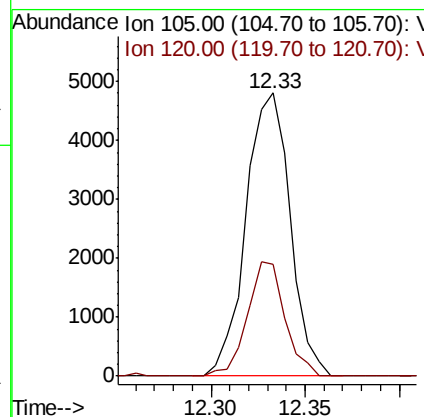
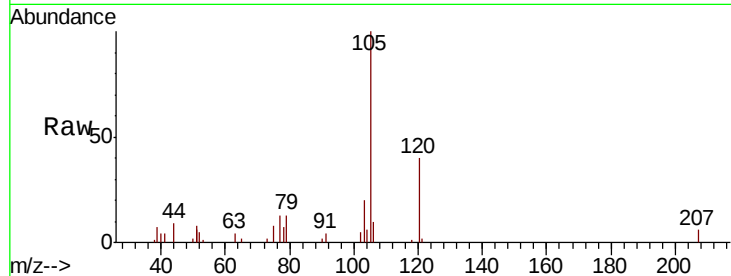
#73  
Isopropylbenzene  
Concen: 0.446 ug/l  
RT: 12.33 min Scan# 1738  
Delta R.T. 0.01 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
0.5PPBMDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 34.3  | 13.6  | 40.8  |

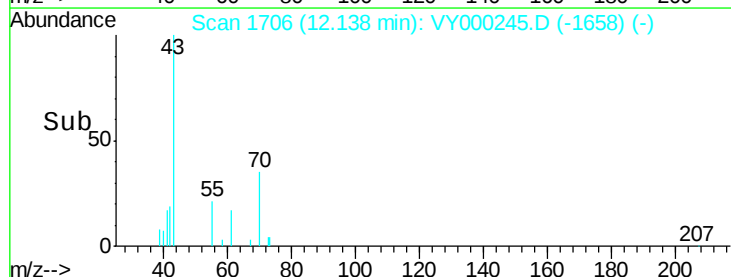
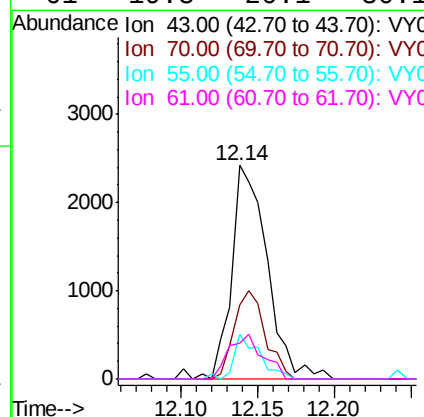
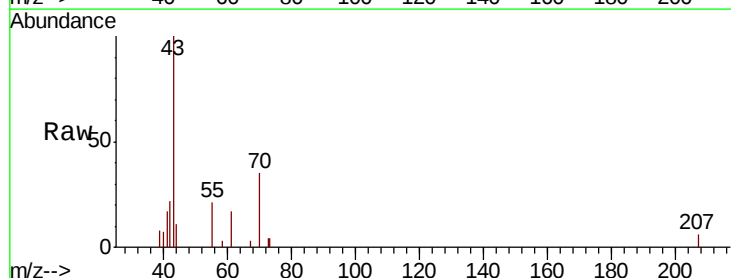
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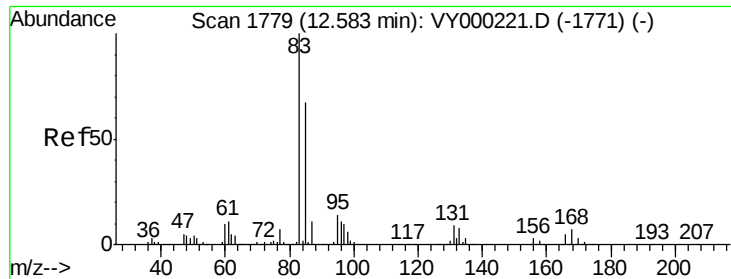
MMDadoda  
10/11/2019 8:40:44 AM



#74  
N-ethyl acetate  
Concen: 0.465 ug/l  
RT: 12.14 min Scan# 1706  
Delta R.T. -0.01 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 36.3  | 34.9  | 52.3  |
| 55      | 15.2  | 18.2  | 27.2# |
| 61      | 19.8  | 20.1  | 30.1# |





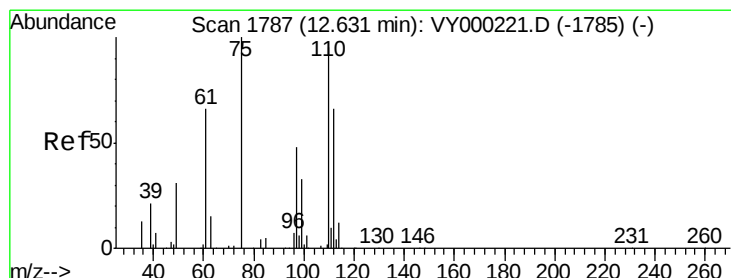
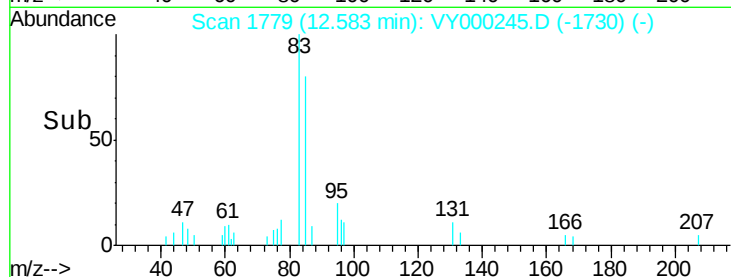
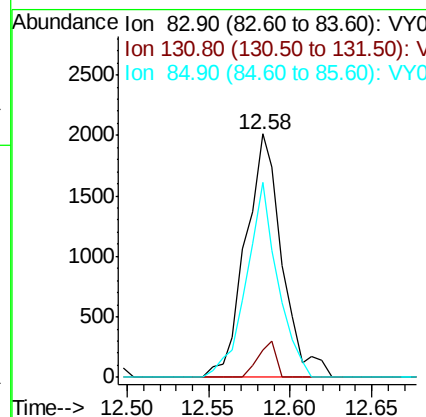
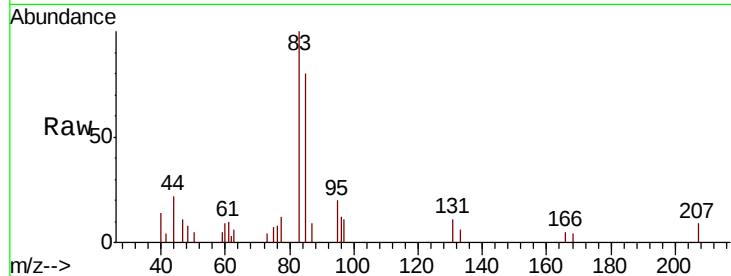
#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 0.525 ug/l  
 RT: 12.58 min Scan# 1779  
 Delta R.T. 0.00 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 0.5PPBMDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 131     | 7.3   | 4.8   | 14.3  |
| 85      | 69.0  | 32.5  | 97.5  |

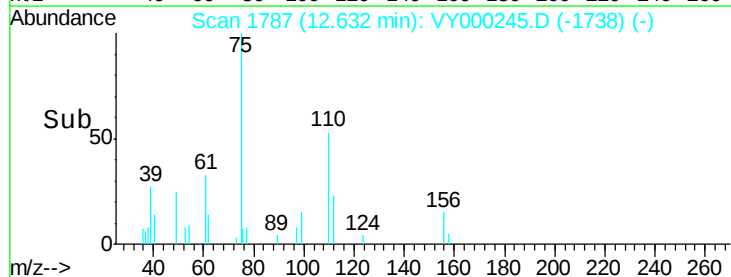
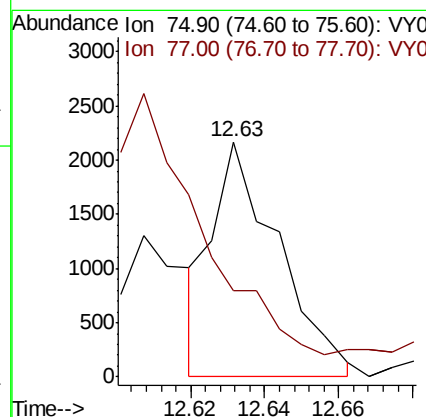
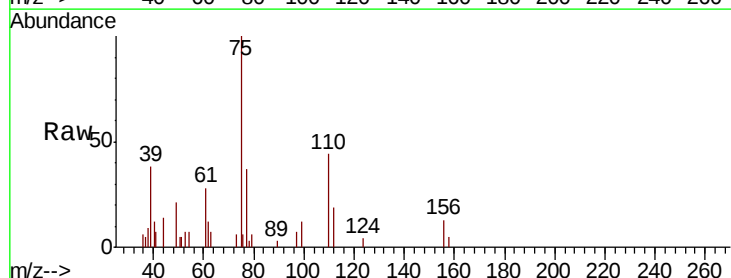
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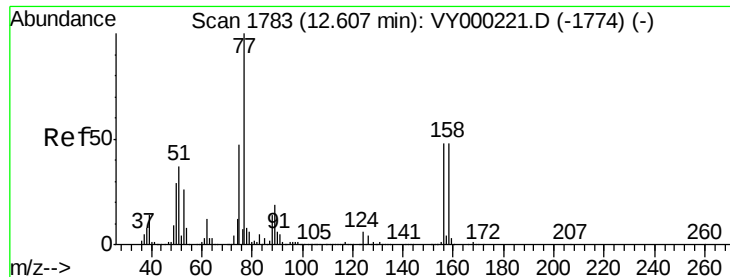
MMDadoda  
 10/11/2019 8:40:44 AM



#76  
 1,2,3-Trichloropropane  
 Concen: 0.491 ug/l m  
 RT: 12.63 min Scan# 1787  
 Delta R.T. 0.00 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 42.6  | 0.0   | 0.0#  |





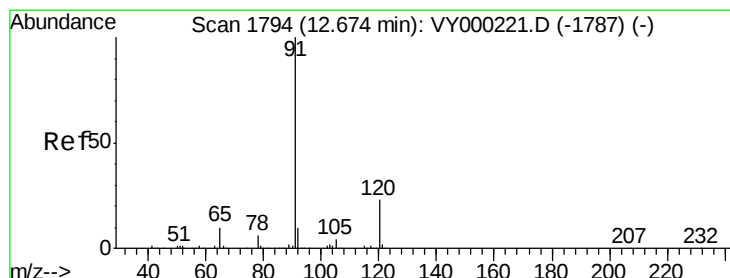
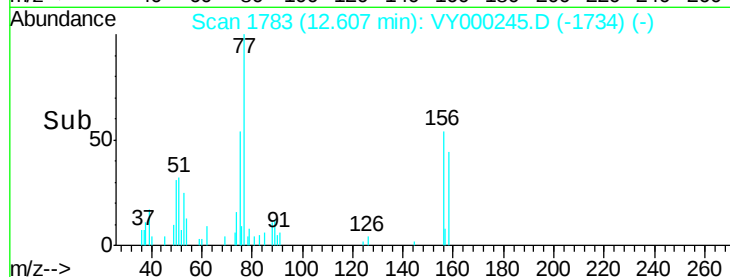
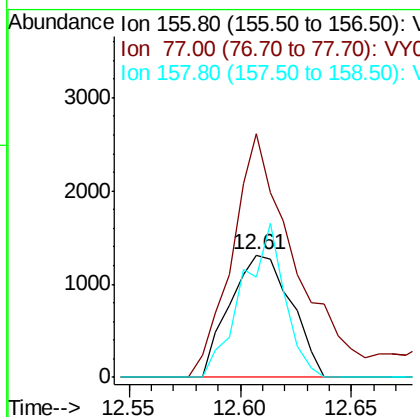
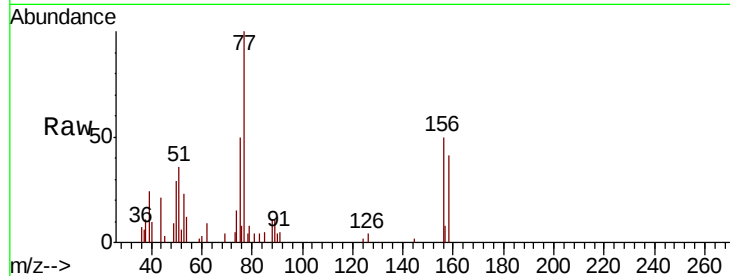
#77  
Bromobenzene  
Concen: 0.611 ug/l  
RT: 12.61 min Scan# 1783  
Delta R.T. 0.00 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
0.5PPBMDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 204.4 | 118.1 | 354.3 |
| 158     | 87.2  | 47.8  | 143.3 |

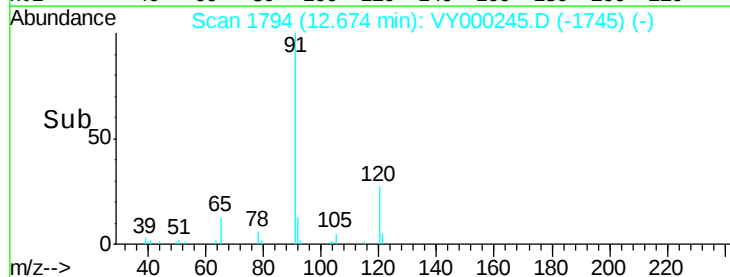
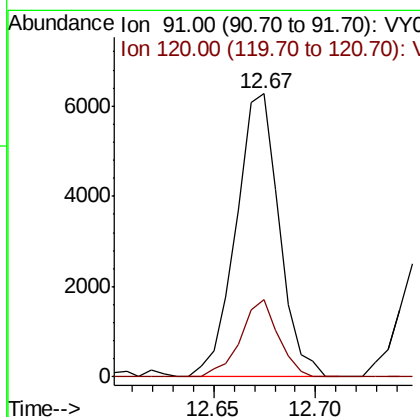
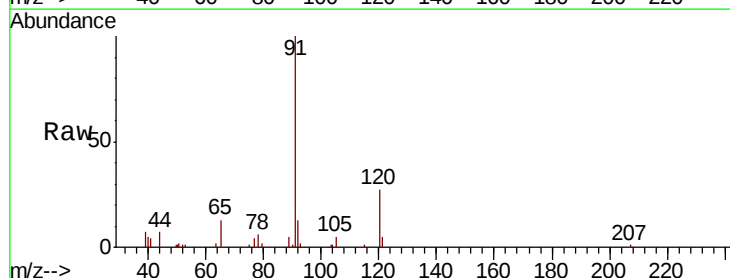
Manual Integrations  
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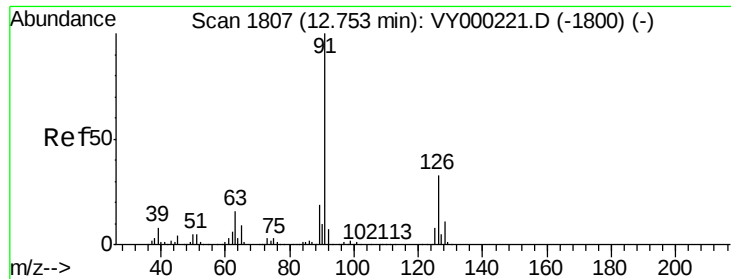
MMDadoda  
10/11/2019 8:40:44 AM



#78  
n-propylbenzene  
Concen: 0.451 ug/l  
RT: 12.67 min Scan# 1794  
Delta R.T. 0.00 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.7  | 11.3  | 33.8  |





#79

2-Chlorotoluene

Concen: 0.518 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

Instrument :

MSVOA\_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 91 Resp: 6106

Ion Ratio Lower Upper

91 100

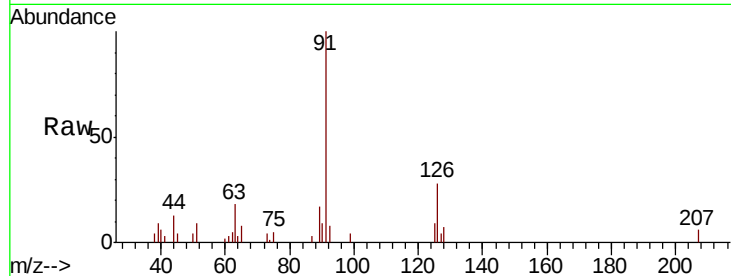
126 30.1 17.2 51.6

Manual Integrations

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10/11/2019 8:40:44 AM

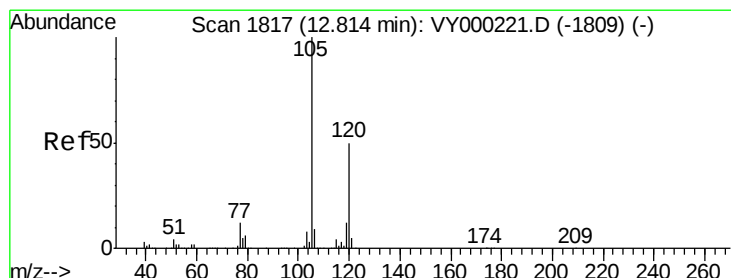
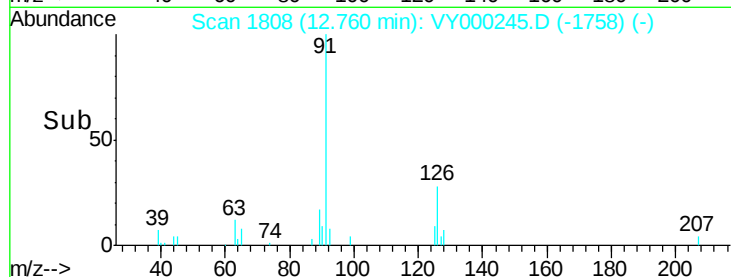


Abundance Ion 91.00 (90.70 to 91.70): VY000221.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY000221.D (-1800) (-)

12.76

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.459 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY000245.D

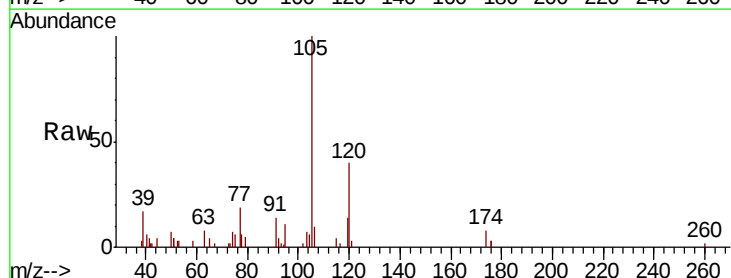
Acq: 09 Oct 2019 15:51

Tgt Ion: 105 Resp: 6704

Ion Ratio Lower Upper

105 100

120 52.1 24.8 74.4

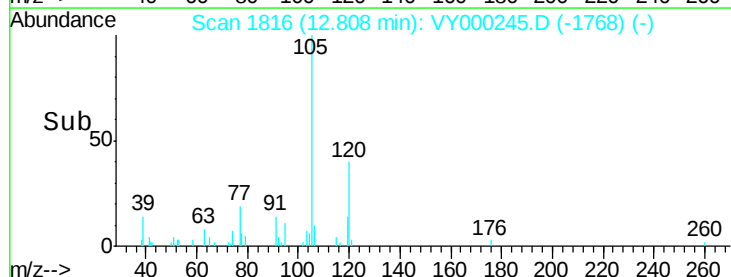


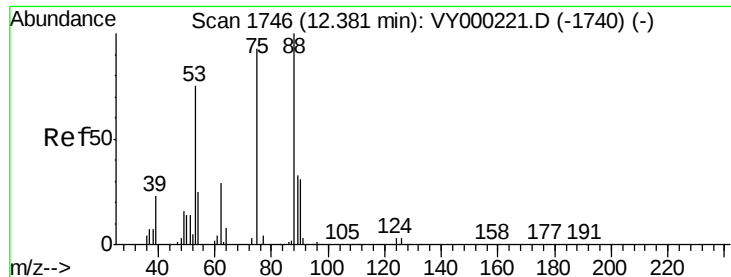
Abundance Ion 105.00 (104.70 to 105.70): VY000221.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY000221.D (-1809) (-)

12.81

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 0.472 ug/l m

RT: 12.39 min Scan# 1747

Delta R.T. 0.01 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

Instrument :

MSVOA\_Y

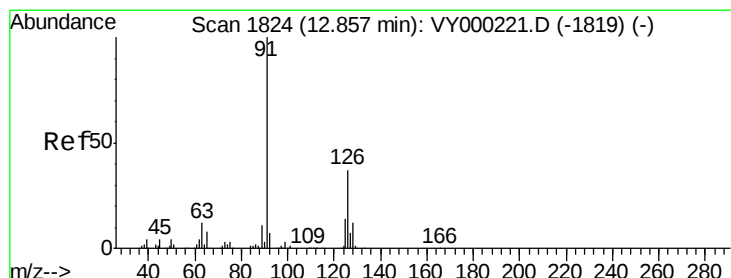
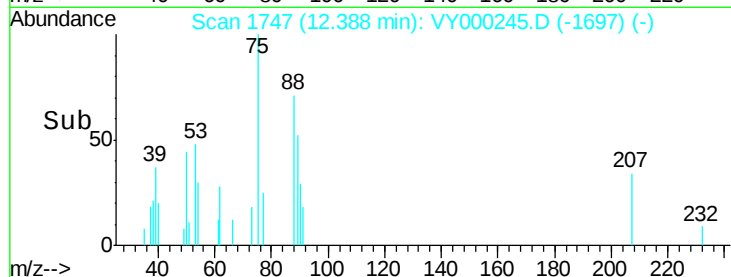
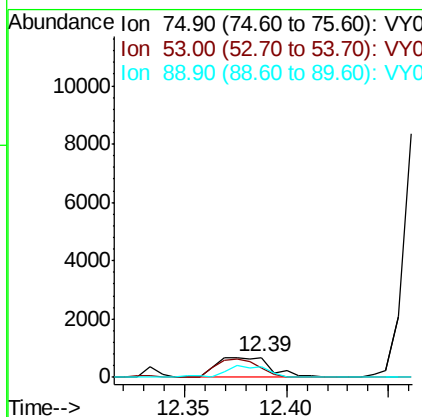
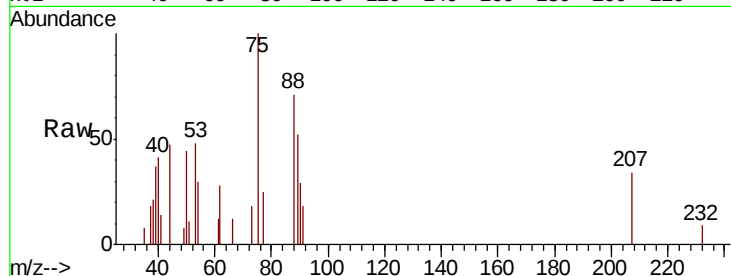
ClientSampleId :

0.5PPBMDL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 1248  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 0.0   | 66.5  | 99.7# |
| 89        | 0.0   | 46.9  | 70.3# |

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10/11/2019 8:40:44 AM



#82

4-Chlorotoluene

Concen: 0.503 ug/l

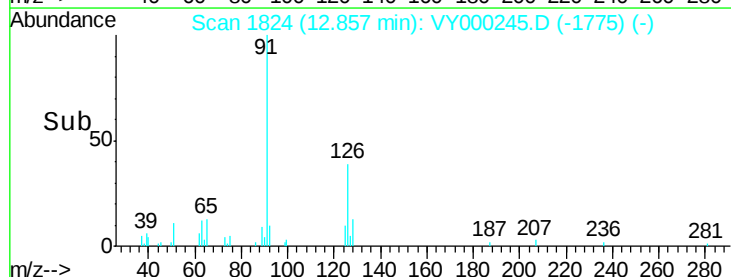
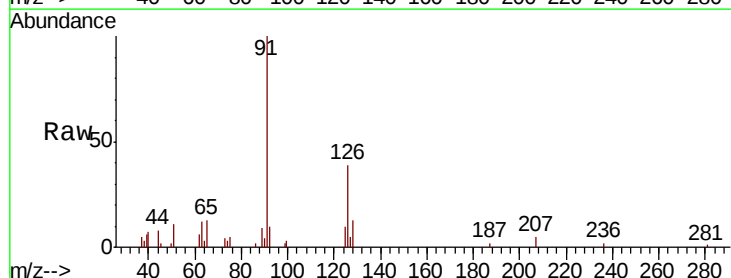
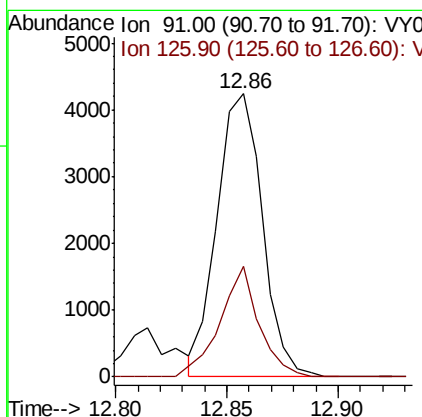
RT: 12.86 min Scan# 1824

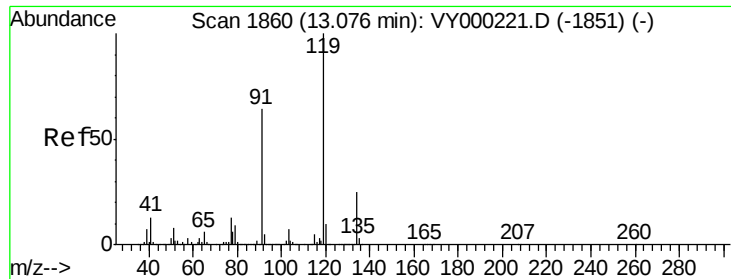
Delta R.T. 0.00 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 91    | Resp: | 5999 |
| Ion Ratio | Lower | Upper |      |
| 91        | 100   |       |      |
| 126       | 33.6  | 17.3  | 52.0 |





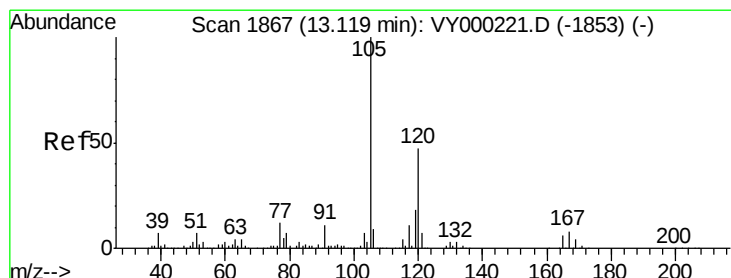
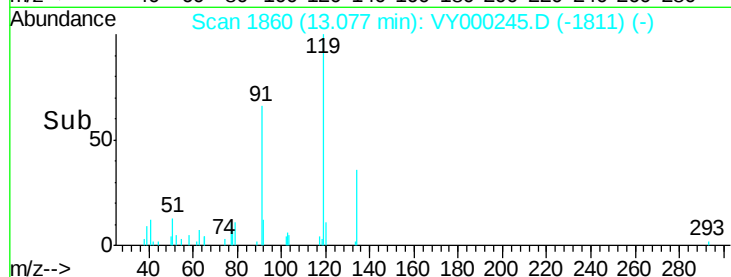
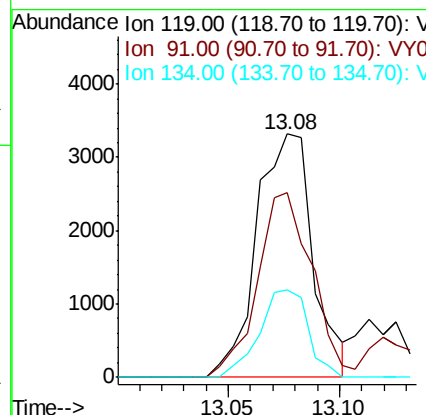
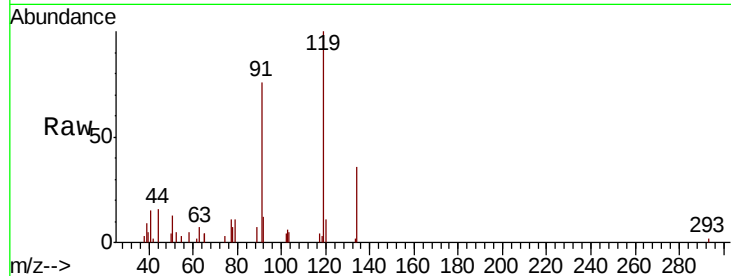
#83  
 tert-Butylbenzene  
 Concen: 0.459 ug/l  
 RT: 13.08 min Scan# 1860  
 Delta R.T. 0.00 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 0.5PPBMDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 73.6  | 32.4  | 97.2  |
| 134     | 31.1  | 13.2  | 39.6  |

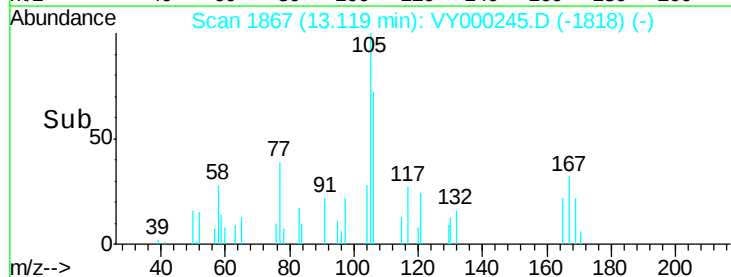
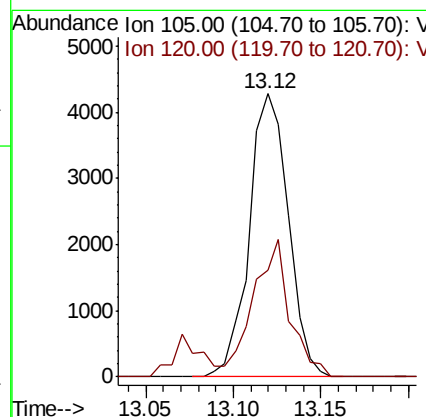
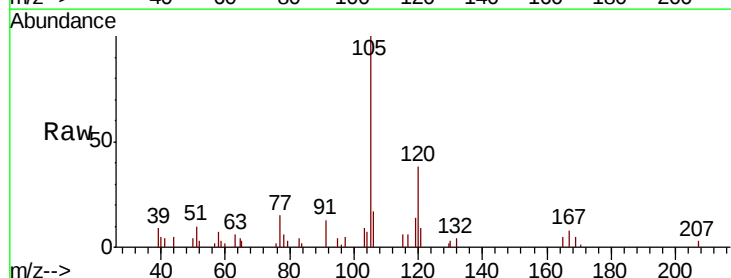
Manual Integrations  
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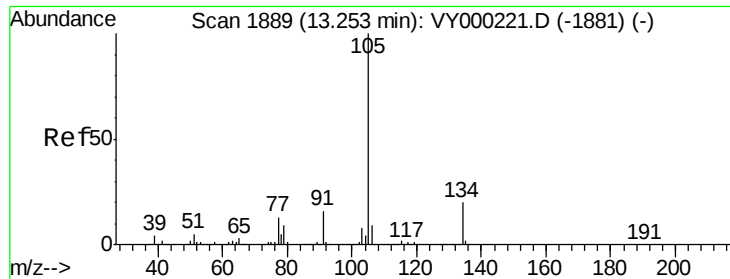
MMDadoda  
 10/11/2019 8:40:44 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.454 ug/l  
 RT: 13.12 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.4  | 22.8  | 68.3  |





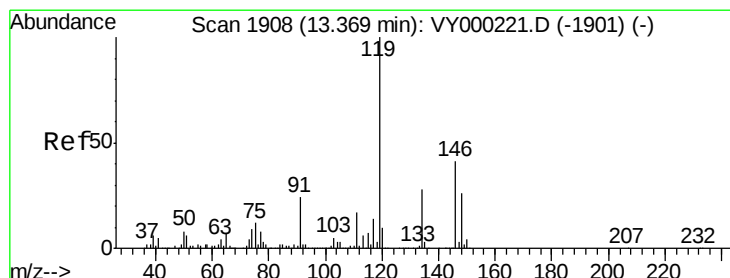
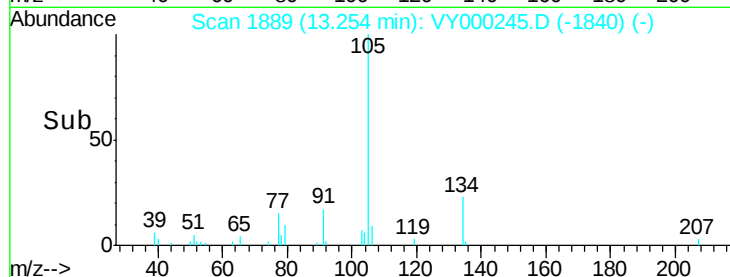
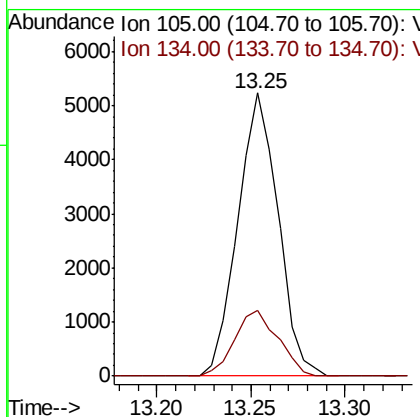
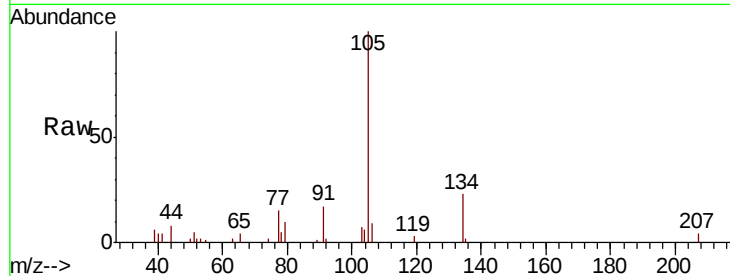
#85  
 sec-Butylbenzene  
 Concen: 0.443 ug/l  
 RT: 13.25 min Scan# 1889  
 Delta R.T. 0.00 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 0.5PPBMDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 25.1  | 10.2  | 30.6  |

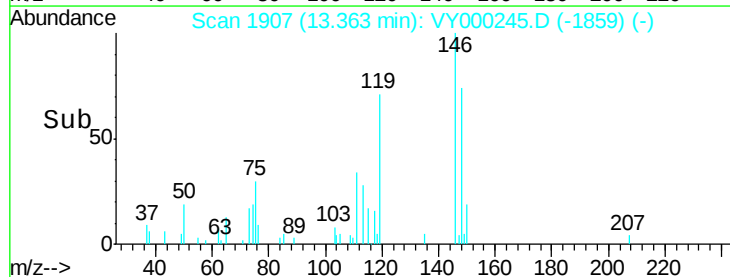
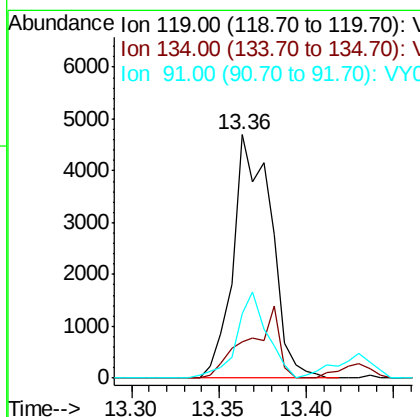
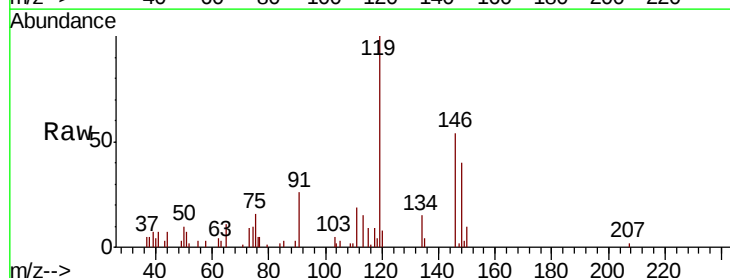
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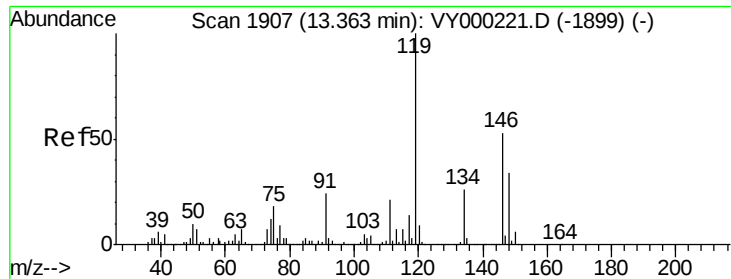
MMDadoda  
 10/11/2019 8:40:44 AM



#86  
 p-Isopropyltoluene  
 Concen: 0.462 ug/l  
 RT: 13.36 min Scan# 1907  
 Delta R.T. -0.01 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 24.2  | 13.3  | 39.9  |
| 91      | 28.4  | 11.7  | 35.1  |





#87

1,3-Dichlorobenzene

Concen: 0.585 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

Instrument :

MSVOA\_Y

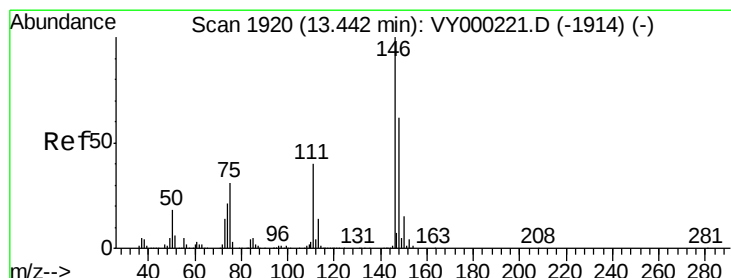
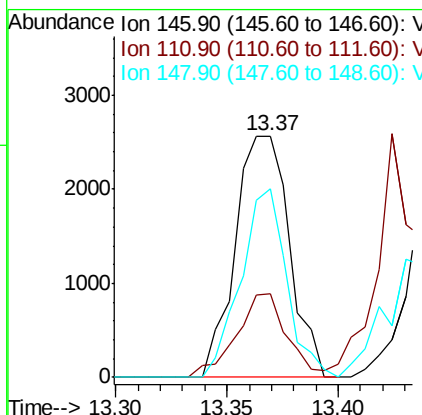
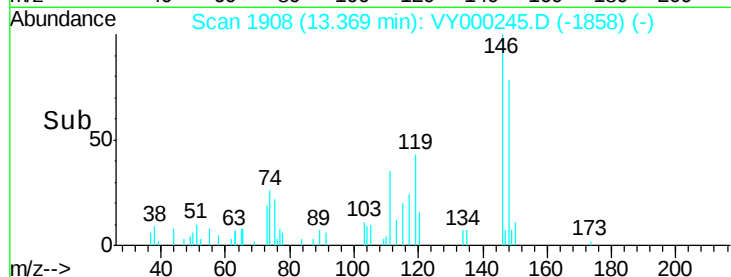
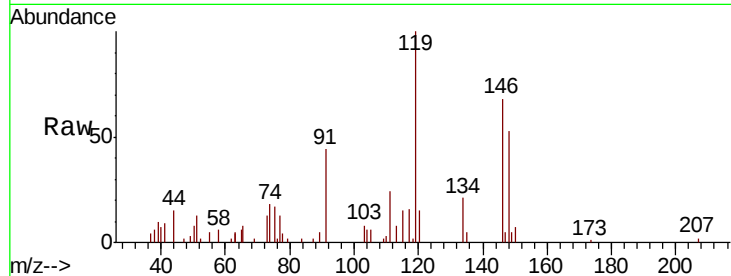
ClientSampleId :

0.5PPBMDL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 146   | Resp: | 4354  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 32.7  | 20.3  | 60.8  |
| 148      | 66.2  | 31.7  | 95.1  |

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#88

1,4-Dichlorobenzene

Concen: 0.601 ug/l m

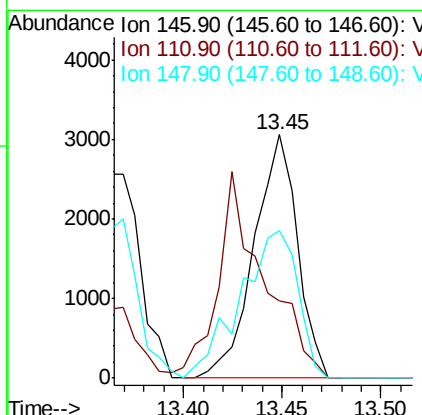
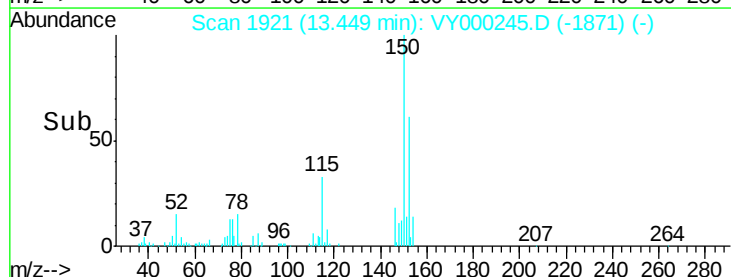
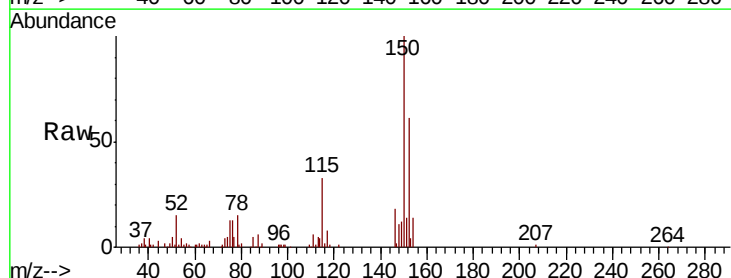
RT: 13.45 min Scan# 1921

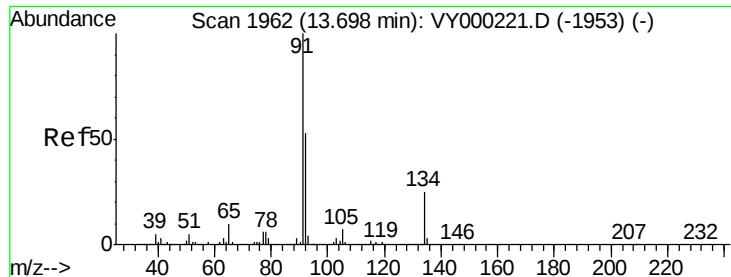
Delta R.T. 0.01 min

Lab File: VY000245.D

Acq: 09 Oct 2019 15:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 4656  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 30.6  | 19.8  | 59.3  |
| 148      | 61.9  | 31.6  | 94.8  |





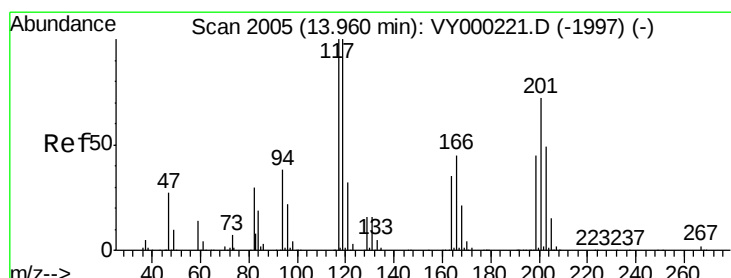
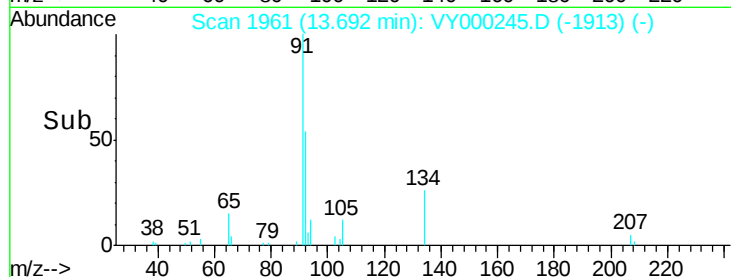
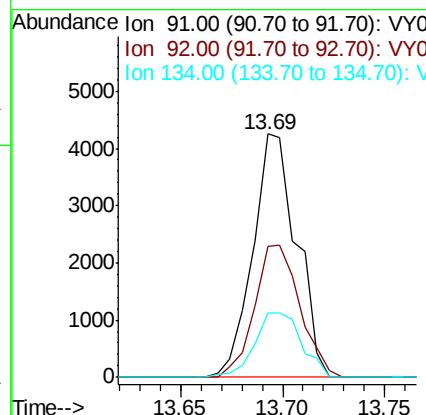
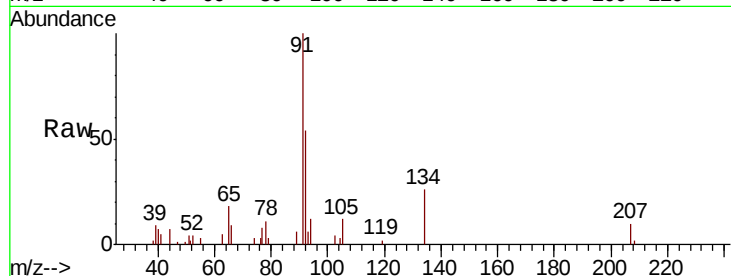
#89  
n-Butylbenzene  
Concen: 0.439 ug/l  
RT: 13.69 min Scan# 1961  
Delta R.T. -0.01 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
0.5PPBMDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 56.1  | 27.0  | 80.8  |
| 134     | 28.6  | 12.8  | 38.4  |

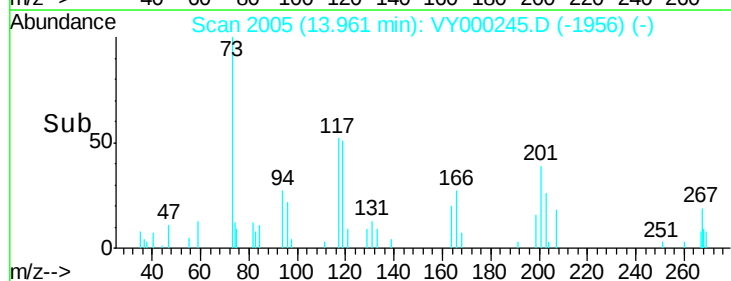
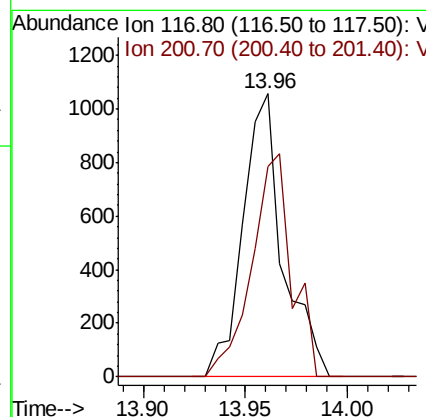
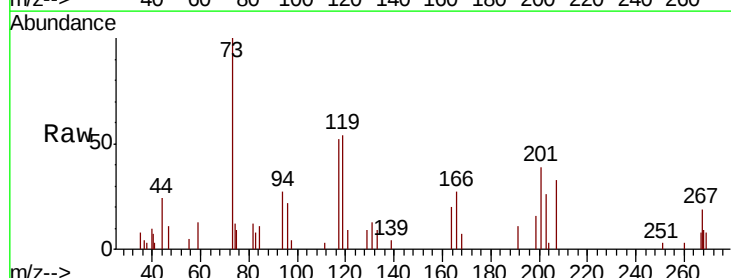
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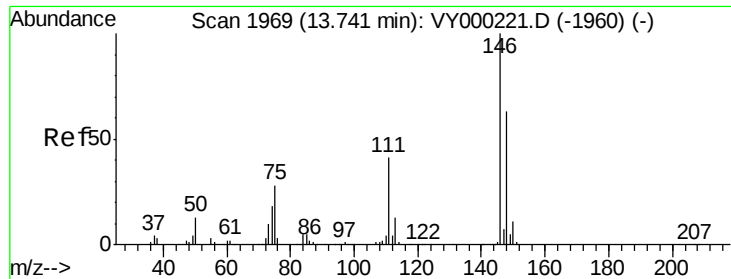
MMDadoda  
10/11/2019 8:40:44 AM



#90  
Hexachloroethane  
Concen: 0.493 ug/l  
RT: 13.96 min Scan# 2005  
Delta R.T. 0.00 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 79.3  | 35.5  | 106.5 |





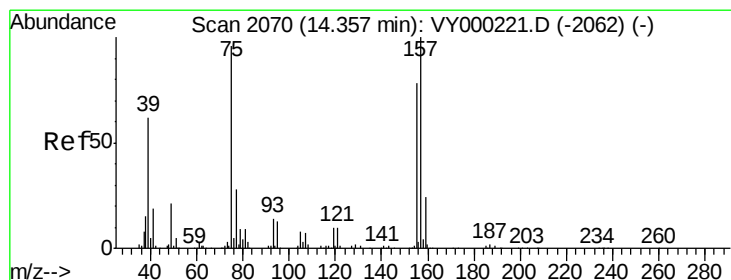
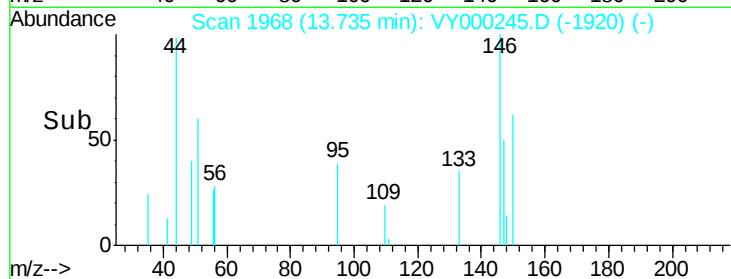
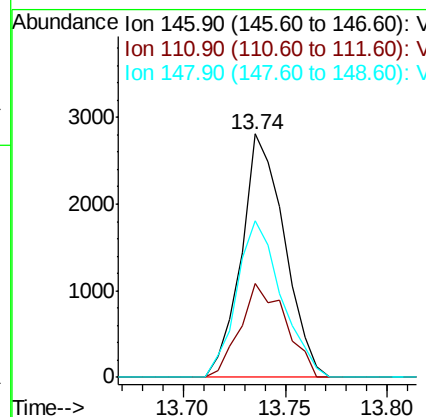
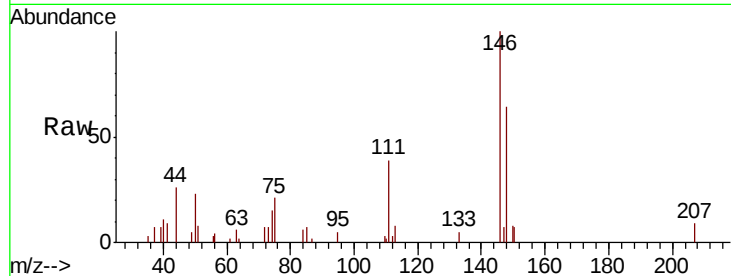
#91  
 1,2-Dichlorobenzene  
 Concen: 0.546 ug/l  
 RT: 13.74 min Scan# 1968  
 Delta R.T. -0.01 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 0.5PPBMDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.8  | 20.9  | 62.8  |
| 148     | 67.0  | 31.6  | 95.0  |

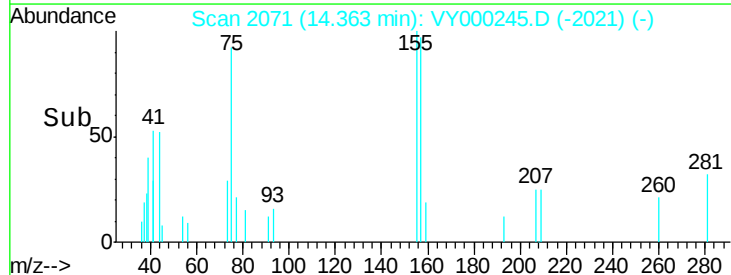
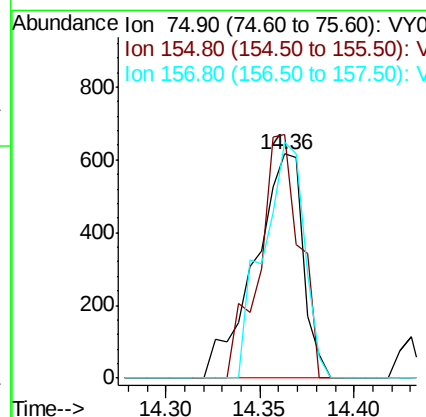
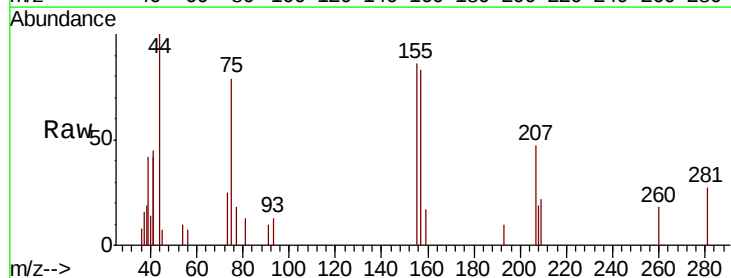
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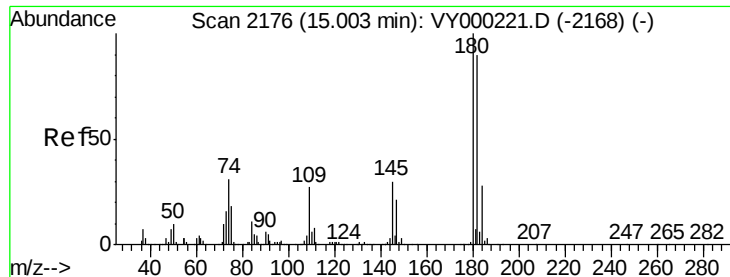
MMDadoda  
 10/11/2019 8:40:44 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.588 ug/l  
 RT: 14.36 min Scan# 2071  
 Delta R.T. 0.01 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 91.0  | 42.4  | 127.3 |
| 157     | 90.1  | 53.8  | 161.5 |





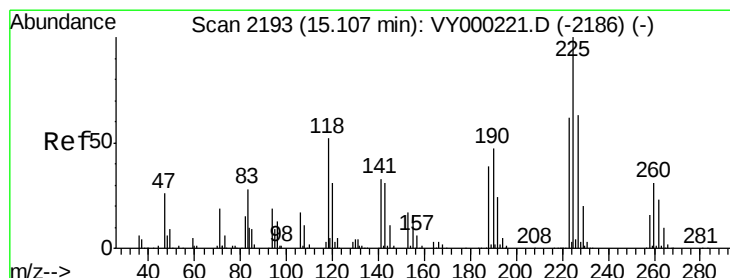
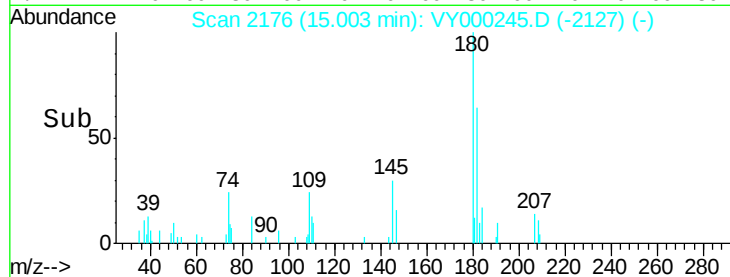
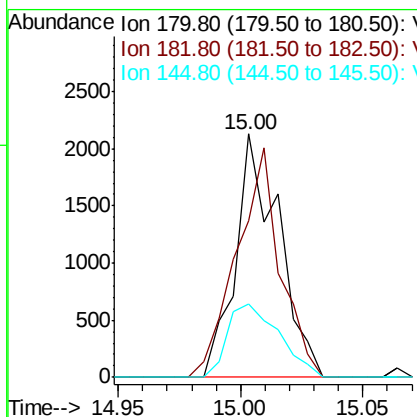
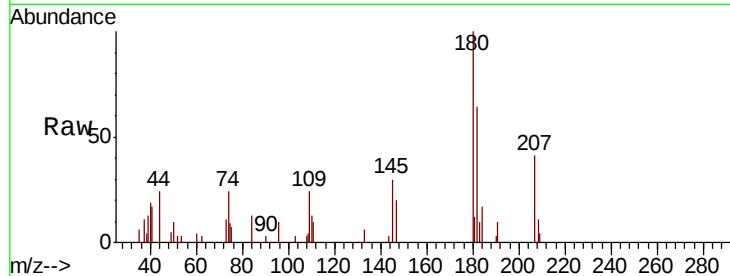
#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.511 ug/l  
 RT: 15.00 min Scan# 2176  
 Delta R.T. 0.00 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 0.5PPBMDL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 180   | Resp: | 2612  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.6  | 47.2  | 141.6 |
| 145       | 35.9  | 15.3  | 45.8  |

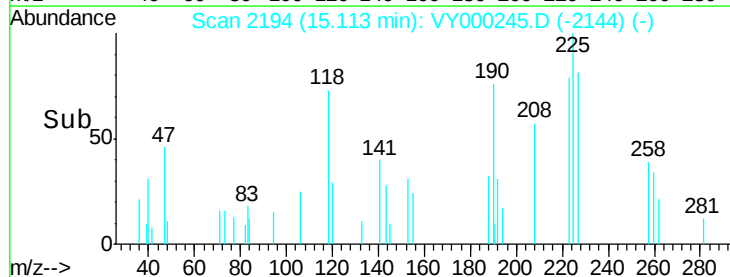
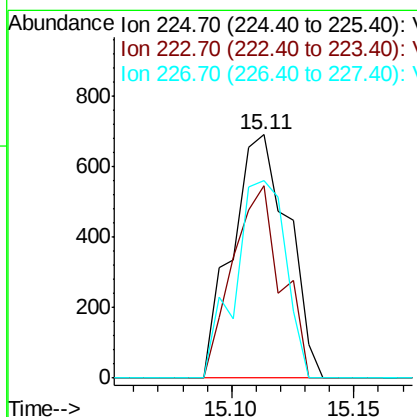
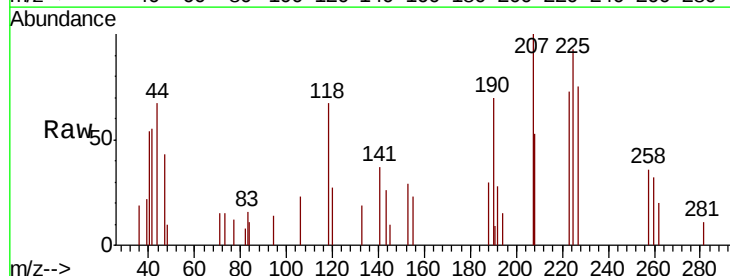
Manual Integrations  
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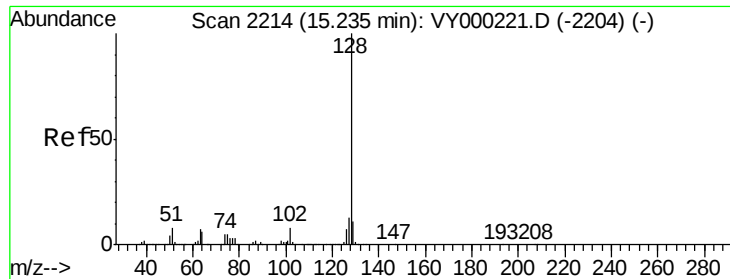
MMDadoda  
 10/11/2019 8:40:44 AM



#94  
 Hexachlorobutadiene  
 Concen: 0.450 ug/l  
 RT: 15.11 min Scan# 2194  
 Delta R.T. 0.01 min  
 Lab File: VY000245.D  
 Acq: 09 Oct 2019 15:51

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 1100 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 68.3  | 31.9  | 95.5 |
| 227       | 73.2  | 31.5  | 94.5 |





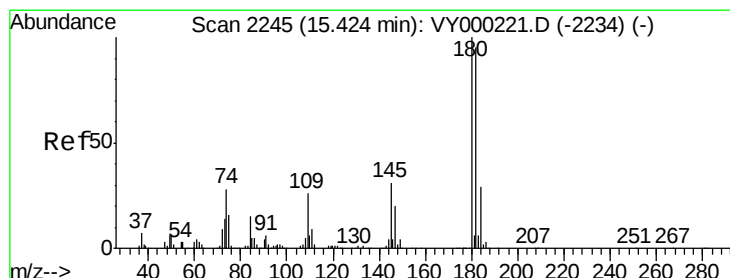
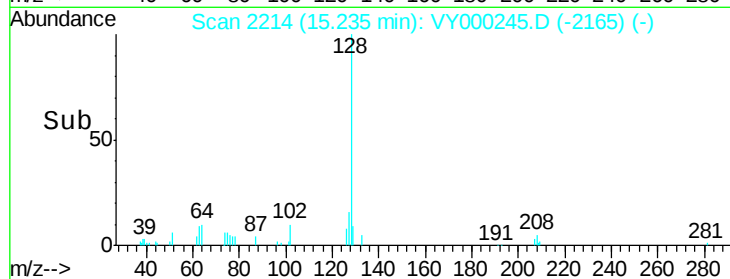
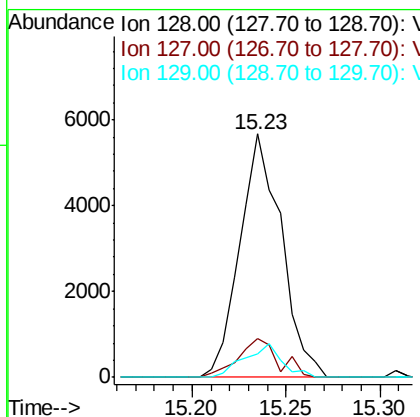
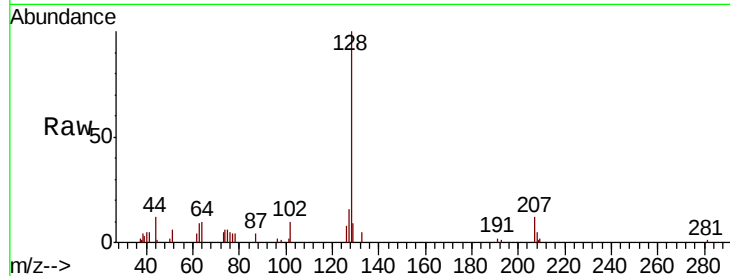
#95  
Naphthalene  
Concen: 0.450 ug/l  
RT: 15.23 min Scan# 2214  
Delta R.T. 0.00 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
0.5PPBMDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 15.6  | 10.2  | 15.2# |
| 129     | 12.3  | 8.6   | 13.0  |

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10/11/2019 8:40:44 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 0.585 ug/l  
RT: 15.42 min Scan# 2244  
Delta R.T. -0.01 min  
Lab File: VY000245.D  
Acq: 09 Oct 2019 15:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 85.3  | 47.9  | 143.7 |
| 145     | 27.7  | 16.3  | 48.9  |

