

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091619\  
 Data File : VY000046.D  
 Acq On : 16 Sep 2019 14:18  
 Operator : SY/MD  
 Sample : MDL1  
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MDL1

Manual Integrations  
 APPROVED

MMDadoda  
 9/20/2019 1:02:17 AM

Quant Time: Sep 17 06:44:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y091219S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 17 06:29:44 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.79  | 168  | 118746   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 227064   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 198877   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 81025    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.15   | 65  | 67392    | 52.69 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.38% |      |
| 35) Dibromofluoromethane  | 7.72   | 113 | 65809    | 50.52 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.04% |      |
| 50) Toluene-d8            | 10.18  | 98  | 274294   | 52.30 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.60% |      |
| 62) 4-Bromofluorobenzene  | 12.48  | 95  | 96726    | 50.74 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.48% |      |

## Target Compounds

|                               |      |     |       |        | Qvalue |    |
|-------------------------------|------|-----|-------|--------|--------|----|
| 2) Dichlorodifluoromethane    | 1.90 | 85  | 3819  | 4.361  | ug/l   | 92 |
| 3) Chloromethane              | 2.11 | 50  | 12670 | 8.895  | ug/l   | 97 |
| 4) Vinyl Chloride             | 2.25 | 62  | 5959  | 4.488  | ug/l   | 90 |
| 5) Bromomethane               | 2.63 | 94  | 5144  | 6.095  | ug/l   | 99 |
| 6) Chloroethane               | 2.78 | 64  | 4704  | 5.321  | ug/l # | 73 |
| 7) Trichlorofluoromethane     | 3.12 | 101 | 7772  | 4.504  | ug/l   | 96 |
| 8) Diethyl Ether              | 3.53 | 74  | 3417  | 4.819  | ug/l   | 90 |
| 9) 1,1,2-Trichlorotrifluoroet | 3.89 | 101 | 5599  | 4.768  | ug/l   | 91 |
| 10) Methyl Iodide             | 4.08 | 142 | 4149  | 3.231  | ug/l # | 72 |
| 11) Tert butyl alcohol        | 4.97 | 59  | 4449  | 27.358 | ug/l # | 92 |
| 12) 1,1-Dichloroethene        | 3.87 | 96  | 5220  | 4.770  | ug/l   | 89 |
| 13) Acrolein                  | 3.73 | 56  | 2521  | 20.664 | ug/l # | 58 |
| 14) Allyl chloride            | 4.48 | 41  | 7385  | 4.346  | ug/l   | 93 |
| 15) Acrylonitrile             | 5.17 | 53  | 9673  | 21.500 | ug/l # | 89 |
| 16) Acetone                   | 3.95 | 43  | 8340  | 23.513 | ug/l   | 99 |
| 17) Carbon Disulfide          | 4.19 | 76  | 12130 | 5.504  | ug/l # | 90 |
| 18) Methyl Acetate            | 4.48 | 43  | 4963  | 4.973  | ug/l   | 97 |
| 19) Methyl tert-butyl Ether   | 5.23 | 73  | 15036 | 4.536  | ug/l   | 93 |
| 20) Methylene Chloride        | 4.71 | 84  | 9986  | 7.063  | ug/l # | 90 |
| 21) trans-1,2-Dichloroethene  | 5.22 | 96  | 6159  | 5.083  | ug/l   | 88 |
| 22) Diisopropyl ether         | 6.13 | 45  | 16942 | 4.517  | ug/l   | 90 |
| 23) Vinyl Acetate             | 6.06 | 43  | 53616 | 20.663 | ug/l   | 98 |
| 24) 1,1-Dichloroethane        | 6.02 | 63  | 10461 | 4.706  | ug/l # | 92 |
| 25) 2-Butanone                | 7.00 | 43  | 13681 | 23.732 | ug/l # | 86 |
| 26) 2,2-Dichloropropane       | 6.98 | 77  | 11219 | 5.433  | ug/l   | 88 |
| 27) cis-1,2-Dichloroethene    | 6.99 | 96  | 6703  | 4.385  | ug/l   | 82 |
| 28) Bromochloromethane        | 7.34 | 49  | 4970  | 4.869  | ug/l   | 97 |
| 29) Tetrahydrofuran           | 7.35 | 42  | 8799  | 25.658 | ug/l   | 95 |
| 30) Chloroform                | 7.52 | 83  | 11146 | 4.863  | ug/l   | 87 |
| 31) Cyclohexane               | 7.79 | 56  | 10838 | 5.851  | ug/l # | 85 |
| 32) 1,1,1-Trichloroethane     | 7.71 | 97  | 8140  | 4.329  | ug/l   | 96 |
| 36) 1,1-Dichloropropene       | 7.92 | 75  | 8172  | 4.902  | ug/l   | 95 |
| 37) Ethyl Acetate             | 7.08 | 43  | 4895  | 4.354  | ug/l # | 91 |
| 38) Carbon Tetrachloride      | 7.90 | 117 | 6640  | 4.219  | ug/l   | 94 |

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 Sample : MDL1  
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MDL1

Manual Integrations  
 APPROVED

MMDadoda  
 9/20/2019 1:02:17 AM

Quant Time: Sep 17 06:44:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y091219S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 17 06:29:44 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.18  | 83   | 8909     | 4.325  | ug/l   | 94       |
| 40) Benzene                    | 8.17  | 78   | 24783    | 4.566  | ug/l   | 96       |
| 41) Methacrylonitrile          | 7.32  | 41   | 3506     | 5.360  | ug/l # | 71       |
| 42) 1,2-Dichloroethane         | 8.24  | 62   | 6533     | 4.710  | ug/l   | 96       |
| 43) Isopropyl Acetate          | 8.28  | 43   | 9228     | 4.236  | ug/l   | 95       |
| 44) Trichloroethene            | 8.94  | 130  | 6085     | 4.490  | ug/l   | 83       |
| 45) 1,2-Dichloropropane        | 9.21  | 63   | 6461     | 4.616  | ug/l   | 92       |
| 46) Dibromomethane             | 9.31  | 93   | 3313     | 4.265  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.50  | 83   | 8266     | 4.458  | ug/l # | 81       |
| 48) Methyl methacrylate        | 9.29  | 41   | 4341     | 4.516  | ug/l   | 95       |
| 49) 1,4-Dioxane                | 9.31  | 88   | 1511     | 92.890 | ug/l # | 74       |
| 51) 4-Methyl-2-Pentanone       | 10.07 | 43   | 25646    | 21.009 | ug/l   | 98       |
| 52) Toluene                    | 10.24 | 92   | 15133    | 4.437  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.46 | 75   | 8531     | 4.376  | ug/l   | 92       |
| 54) cis-1,3-Dichloropropene    | 9.93  | 75   | 9942     | 4.383  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.64 | 97   | 4748     | 3.857  | ug/l   | 89       |
| 56) Ethyl methacrylate         | 10.51 | 69   | 7217     | 4.178  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 10.79 | 76   | 8385     | 4.260  | ug/l   | 93       |
| 58) 2-Chloroethyl Vinyl ether  | 9.78  | 63   | 20740    | 21.918 | ug/l   | 95       |
| 59) 2-Hexanone                 | 10.84 | 43   | 17838    | 20.278 | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.99 | 129  | 5193     | 4.004  | ug/l   | 87       |
| 61) 1,2-Dibromoethane          | 11.09 | 107  | 4710     | 4.332  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.71 | 164  | 5494     | 4.505  | ug/l   | 89       |
| 65) Chlorobenzene              | 11.51 | 112  | 16032    | 4.231  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.59 | 131  | 5449     | 4.150  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.59 | 91   | 29504    | 4.286  | ug/l   | 94       |
| 68) m/p-Xylenes                | 11.70 | 106  | 22546    | 8.679  | ug/l   | 97       |
| 69) o-Xylene                   | 12.02 | 106  | 10422    | 4.093  | ug/l   | 98       |
| 70) Styrene                    | 12.04 | 104  | 17863    | 4.033  | ug/l   | 99       |
| 71) Bromoform                  | 12.20 | 173  | 3098     | 3.908  | ug/l # | 96       |
| 73) Isopropylbenzene           | 12.33 | 105  | 27457    | 4.435  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.14 | 43   | 7610     | 4.164  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.58 | 83   | 7026     | 4.747  | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75   | 5612m    | 4.987  | ug/l   |          |
| 77) Bromobenzene               | 12.60 | 156  | 5555     | 4.242  | ug/l   | 85       |
| 78) n-propylbenzene            | 12.66 | 91   | 33886    | 4.479  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.75 | 91   | 18740    | 4.430  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.80 | 105  | 22628    | 4.377  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 2623     | 4.623  | ug/l   | 92       |
| 82) 4-Chlorotoluene            | 12.85 | 91   | 18866    | 4.249  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.07 | 119  | 19561    | 4.404  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.12 | 105  | 23565    | 4.615  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 13.25 | 105  | 29258    | 4.464  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.37 | 119  | 24146    | 4.342  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 13.36 | 146  | 11818    | 4.484  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.44 | 146  | 11661    | 4.396  | ug/l   | 92       |
| 89) n-Butylbenzene             | 13.69 | 91   | 24582    | 4.363  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.95 | 117  | 4853     | 4.367  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene        | 13.74 | 146  | 10775    | 4.393  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.35 | 75   | 1569     | 5.451  | ug/l   | 83       |

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Operator : SY/MD  
Sample : MDL1  
Misc : 5.00µl/5.00ml/MSVOA Y/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL1

Manual Integrations  
APPROVED

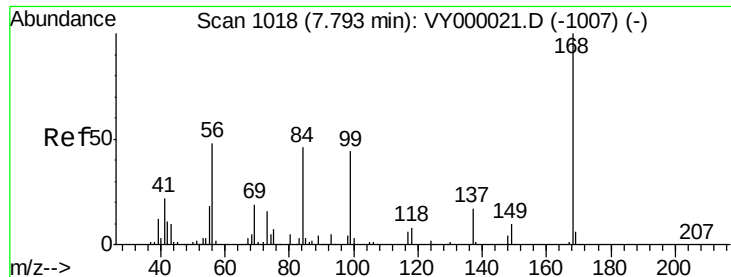
MMDadoda  
9/20/2019 1:02:17 AM

Quant Time: Sep 17 06:44:49 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y091219S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 17 06:29:44 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.01 | 180  | 6338     | 4.049 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.11 | 225  | 2947     | 4.105 | ug/l  | 98       |
| 95) Naphthalene            | 15.23 | 128  | 18243    | 4.260 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.42 | 180  | 6407     | 4.560 | ug/l  | 93       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

Instrument :

MSVOA\_Y

ClientSampleId :

MDL1

Tot Ion:168 Resp: 118746

Ion Ratio Lower Upper

168 100

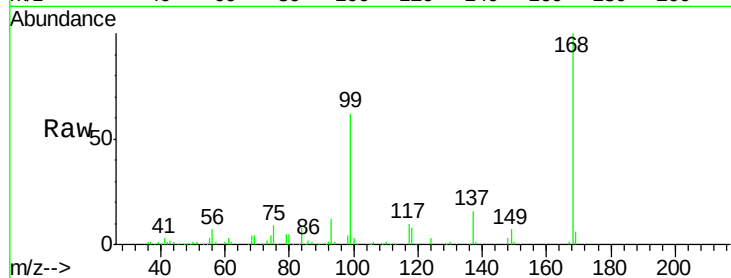
99 62.3 46.3 69.5

Manual Integrations

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MMDadoda

9/20/2019 1:02:17 AM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.79

60000

50000

40000

30000

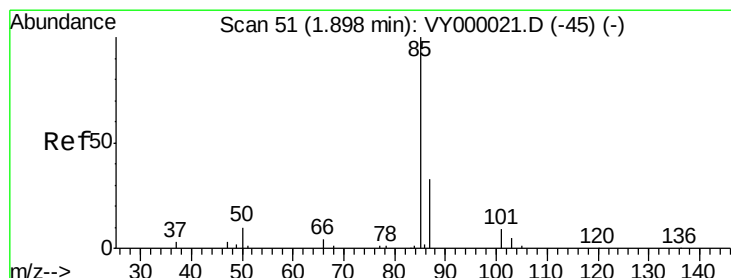
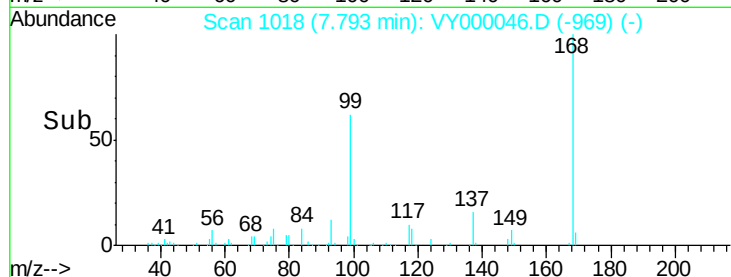
20000

10000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 4.361 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000046.D

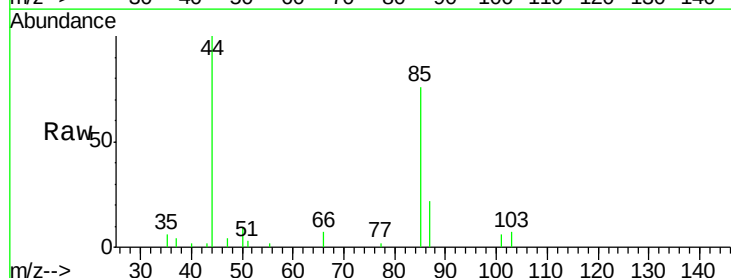
Acq: 16 Sep 2019 14:18

Tgt Ion: 85 Resp: 3819

Ion Ratio Lower Upper

85 100

87 28.8 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.90

3000

2500

2000

1500

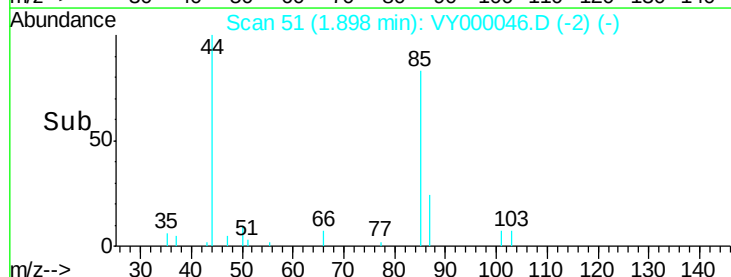
1000

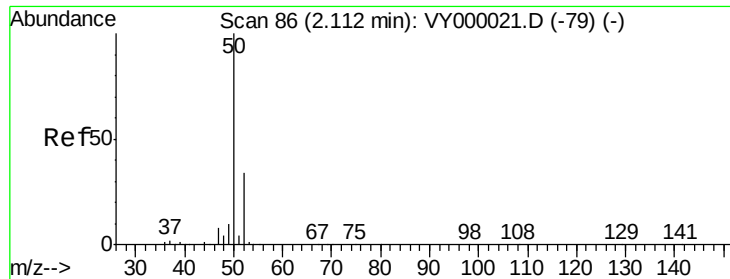
500

0

1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 8.895 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

Instrument :

MSVOA\_Y

ClientSampleId :

MDL1

Tot Ion: 50 Resp: 12670

Ion Ratio Lower Upper

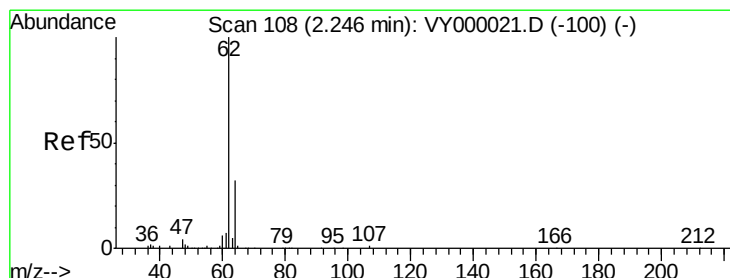
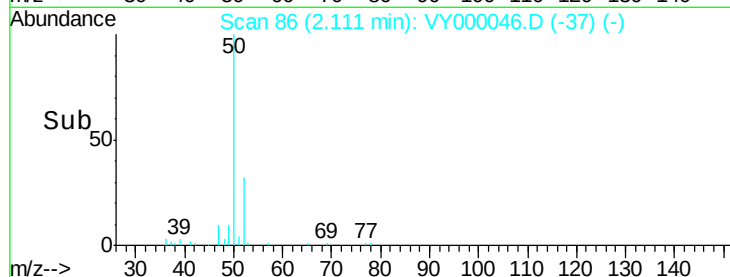
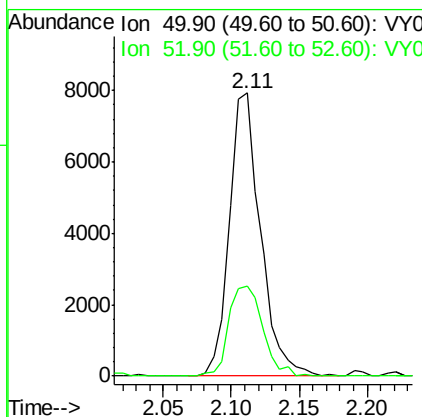
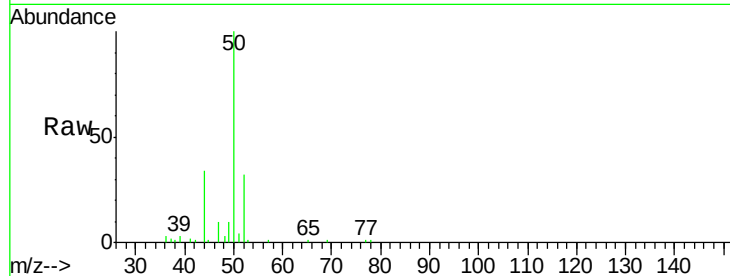
50 100

52 32.0 27.0 40.6

Manual Integrations  
APPROVED

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9/20/2019 1:02:17 AM



#4

Vinyl Chloride

Concen: 4.488 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000046.D

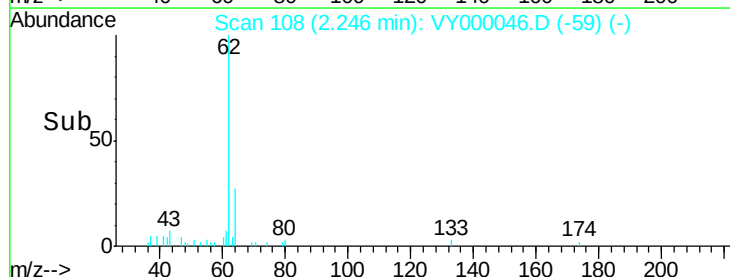
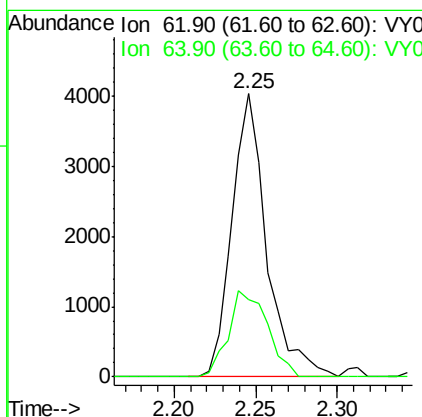
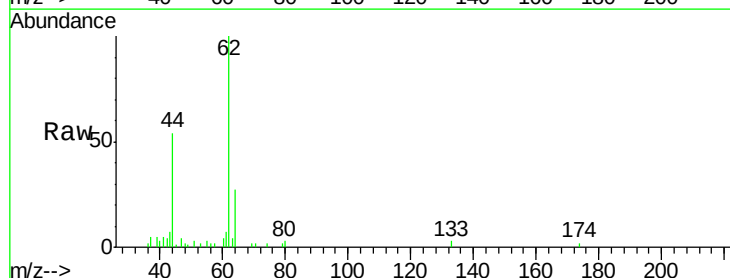
Acq: 16 Sep 2019 14:18

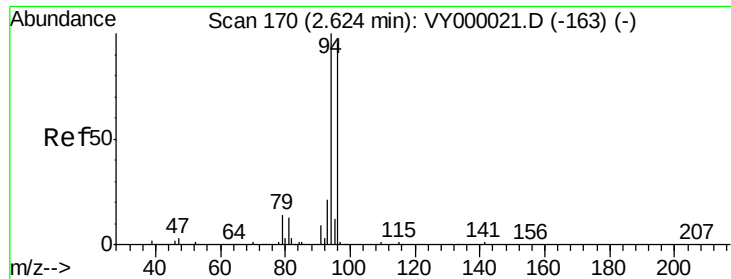
Tgt Ion: 62 Resp: 5959

Ion Ratio Lower Upper

62 100

64 27.1 26.1 39.1





#5

Bromomethane

Concen: 6.095 ug/l

RT: 2.63 min Scan# 171

Delta R.T. 0.01 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

Instrument :

MSVOA\_Y

ClientSampled :

MDL1

Tot Ion: 94 Resp: 5144

Ion Ratio Lower Upper

94 100

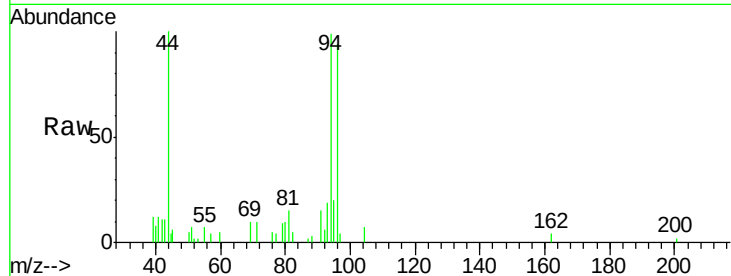
96 94.9 76.8 115.2

Manual Integrations

APPROVED

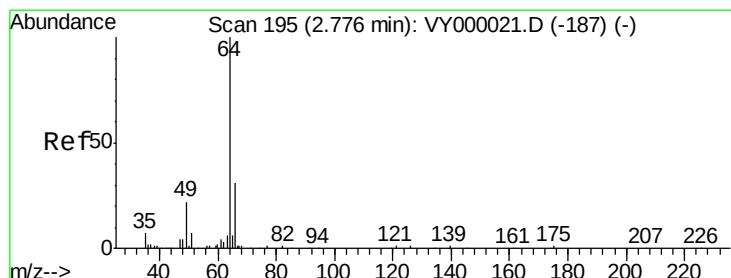
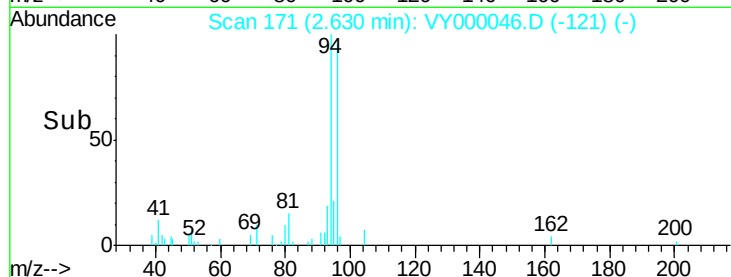
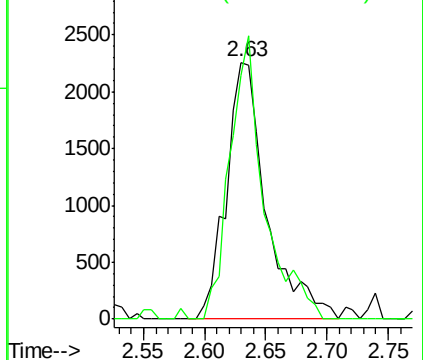
MMDadoda

9/20/2019 1:02:17 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 5.321 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VY000046.D

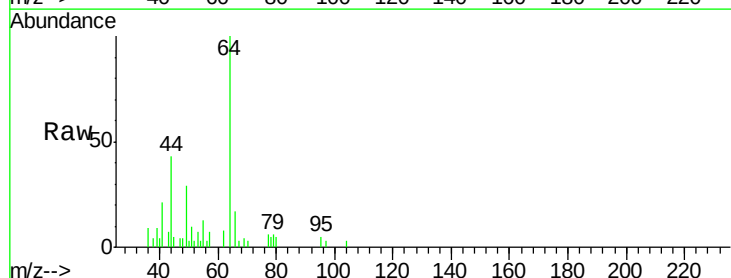
Acq: 16 Sep 2019 14:18

Tgt Ion: 64 Resp: 4704

Ion Ratio Lower Upper

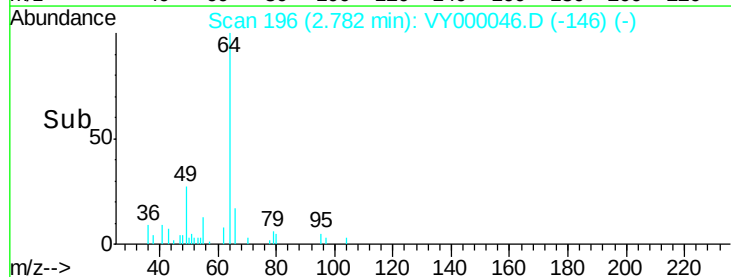
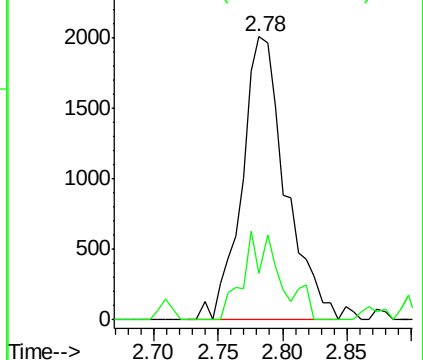
64 100

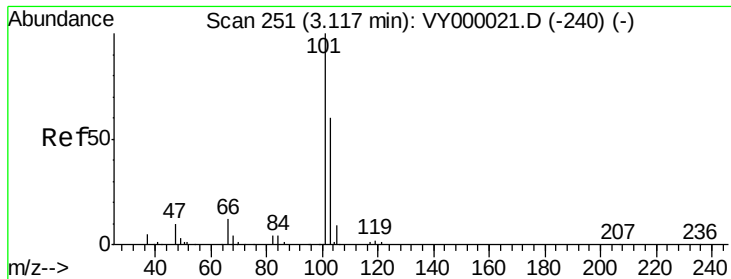
66 16.6 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

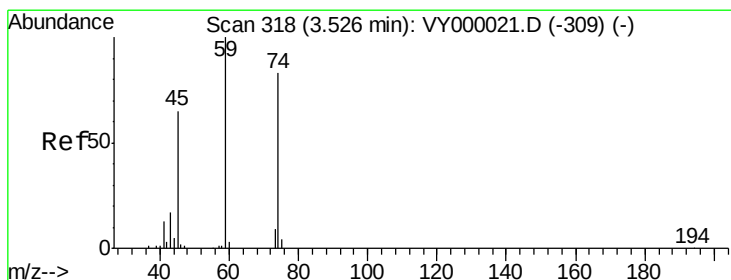
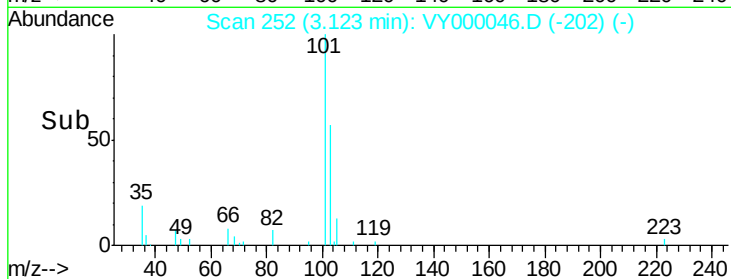
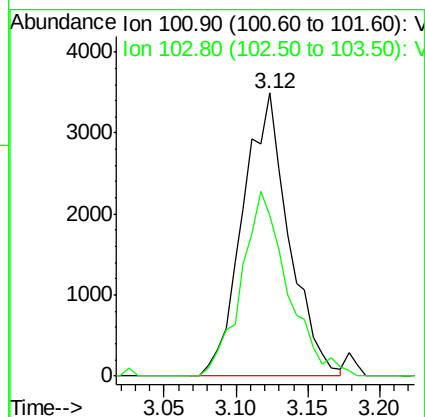
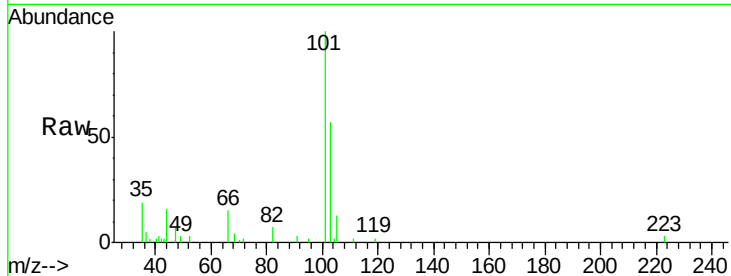
Trichlorofluoromethane  
Concen: 4.504 ug/l  
RT: 3.12 min Scan# 252  
Delta R.T. 0.01 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 56.9  | 48.1  | 72.1  |

Manual Integrations  
APPROVED

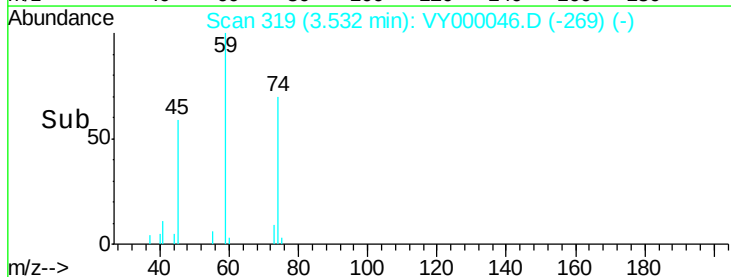
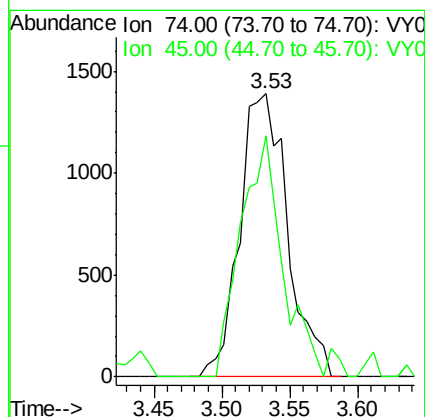
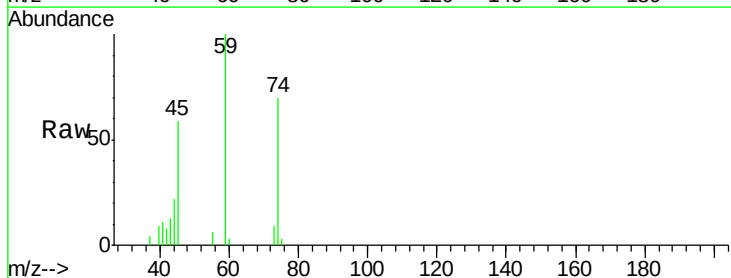
MMDadoda  
9/20/2019 1:02:17 AM



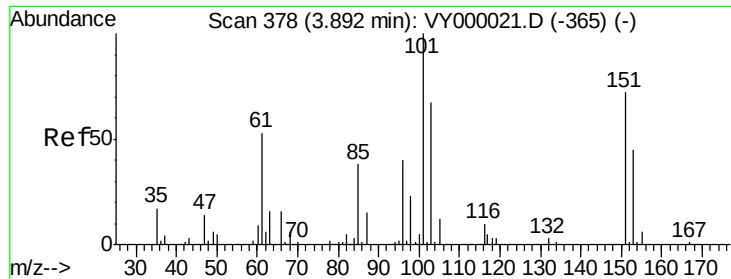
#8

Diethyl Ether  
Concen: 4.819 ug/l  
RT: 3.53 min Scan# 319  
Delta R.T. 0.01 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 74.7  | 41.9  | 125.6 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.768 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

Instrument :

MSVOA\_Y

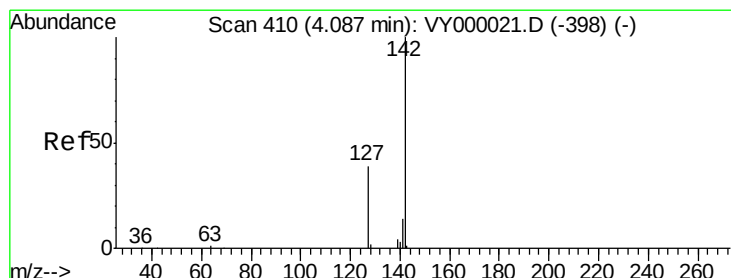
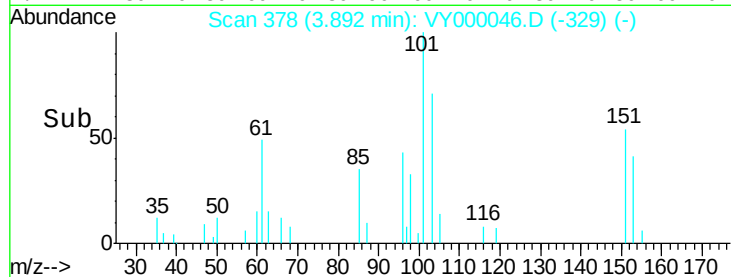
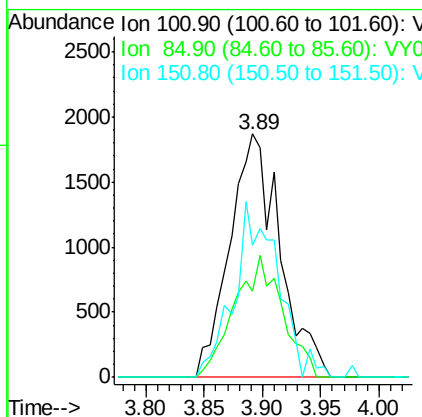
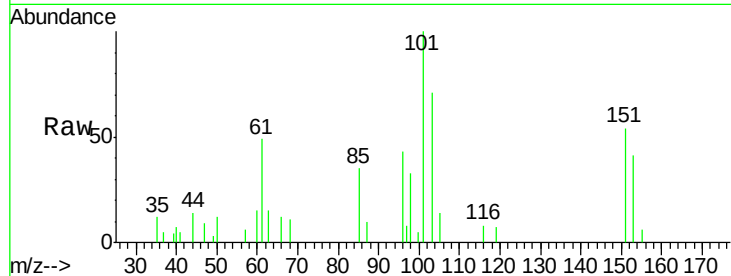
ClientSampled :

MDL1

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 101   | Resp: | 5599 |
| Ion Ratio | Lower | Upper |      |
| 101       | 100   |       |      |
| 85        | 47.6  | 35.3  | 52.9 |
| 151       | 60.5  | 55.9  | 83.9 |

Manual Integrations  
APPROVED

MMDadoda  
9/20/2019 1:02:17 AM



#10

Methyl Iodide

Concen: 3.231 ug/l

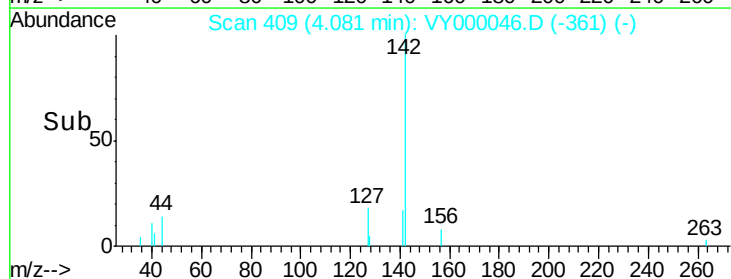
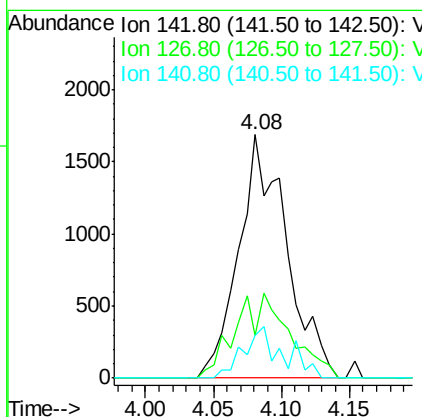
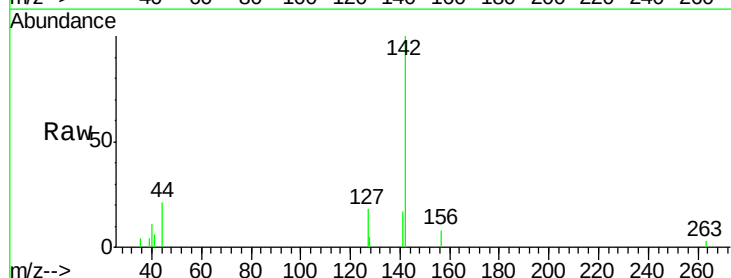
RT: 4.08 min Scan# 409

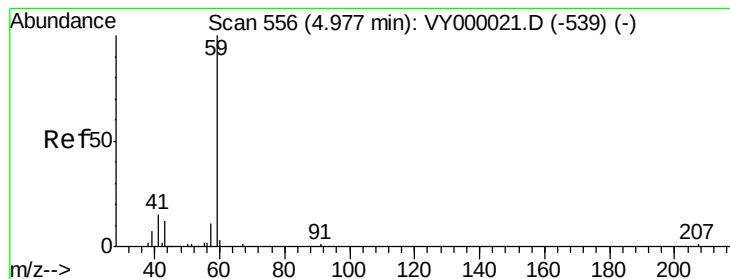
Delta R.T. -0.01 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 4149  |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 16.8  | 31.4  | 47.2# |
| 141       | 13.4  | 10.6  | 16.0  |





#11

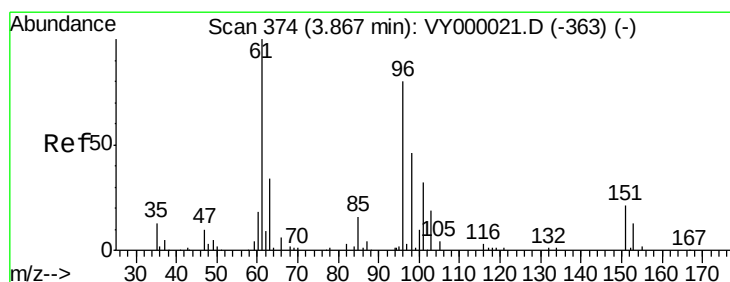
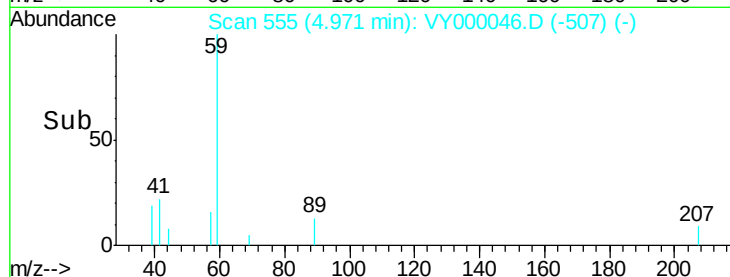
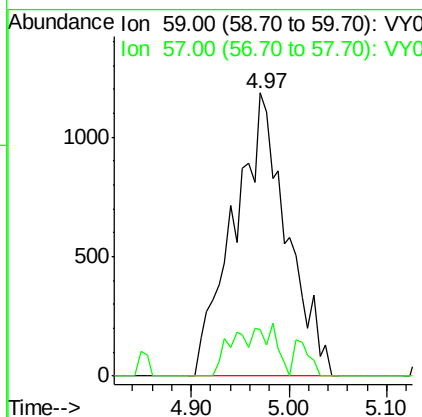
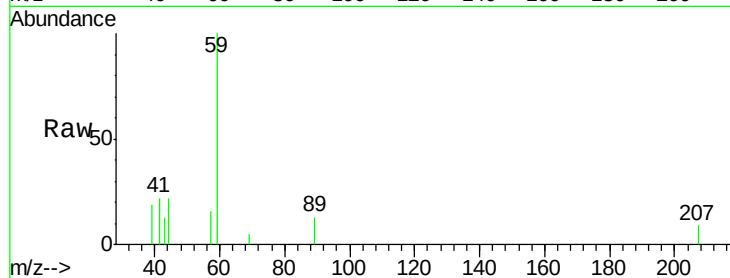
Tert butyl alcohol  
Concen: 27.358 ug/l  
RT: 4.97 min Scan# 555  
Delta R.T. -0.01 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

Instrument :  
MSVOA\_Y  
ClientSampled :  
MDL1

| Tot Ion   | 59  | Resp  | 4449  |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 57        | 7.6 | 8.3   | 12.5# |

Manual Integrations  
APPROVED

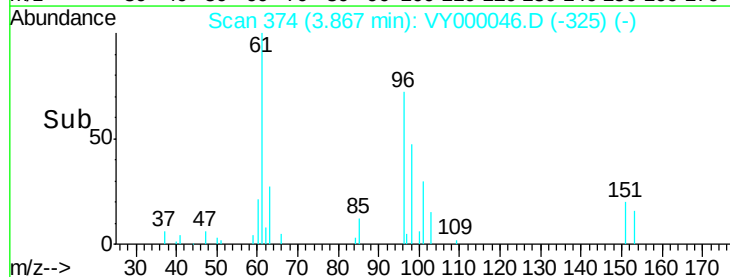
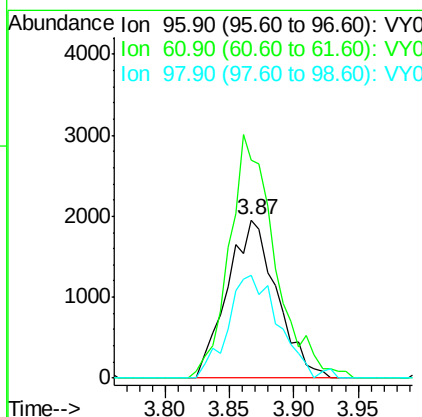
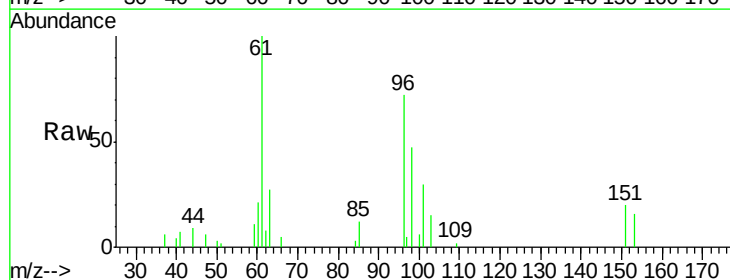
MMDadoda  
9/20/2019 1:02:17 AM

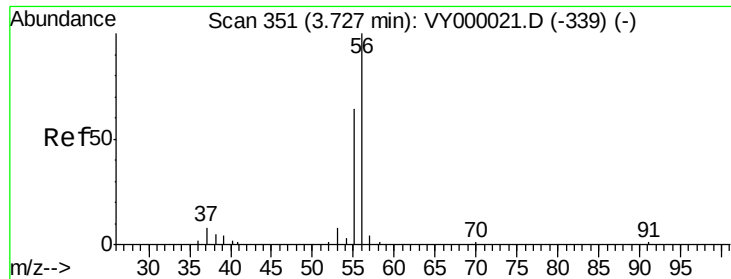


#12

1,1-Dichloroethene  
Concen: 4.770 ug/l  
RT: 3.87 min Scan# 374  
Delta R.T. -0.00 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

| Tgt Ion   | 96    | Resp  | 5220  |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 137.9 | 99.8  | 149.6 |
| 98        | 64.6  | 46.3  | 69.5  |





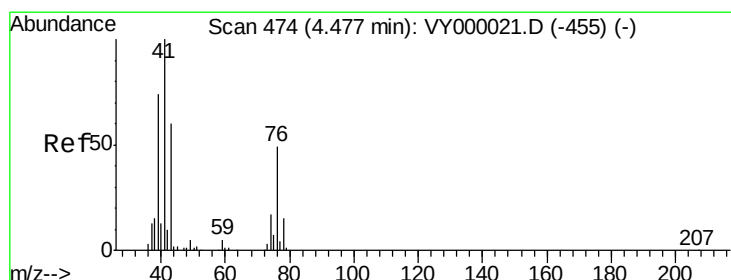
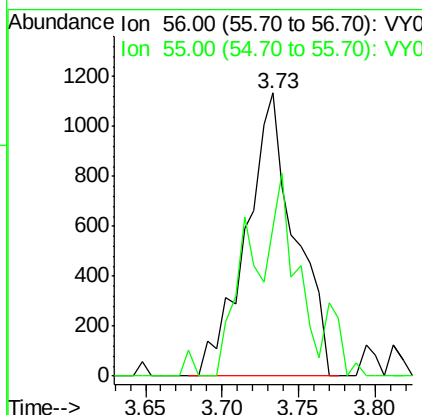
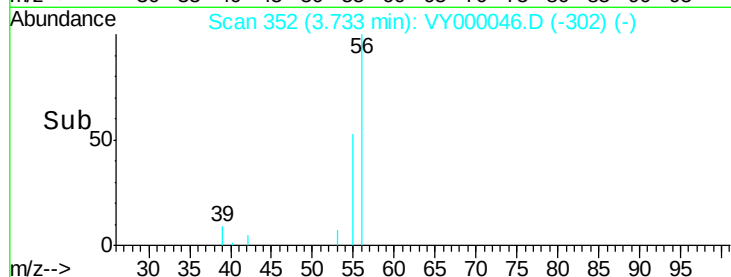
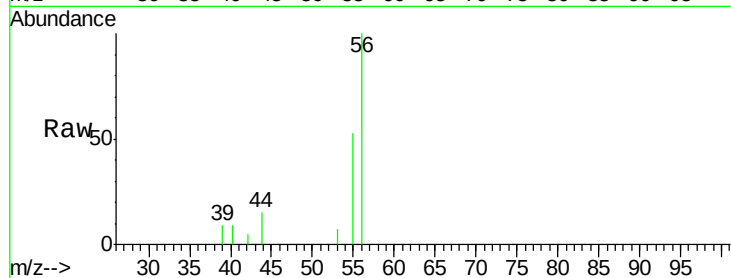
#13  
 Acrolein  
 Concen: 20.664 ug/l  
 RT: 3.73 min Scan# 352  
 Delta R.T. 0.01 min  
 Lab File: VY000046.D  
 Acq: 16 Sep 2019 14:18

Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 MDL1

Tot Ion: 56 Resp: 2521  
 Ion Ratio Lower Upper  
 56 100  
 55 36.5 56.7 85.1#

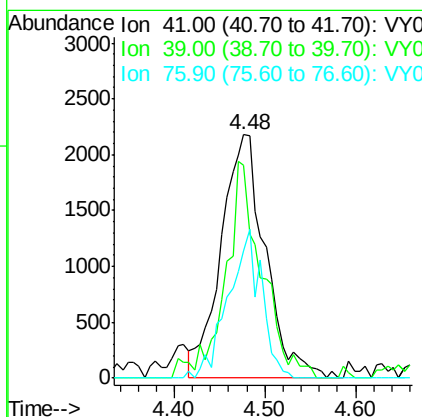
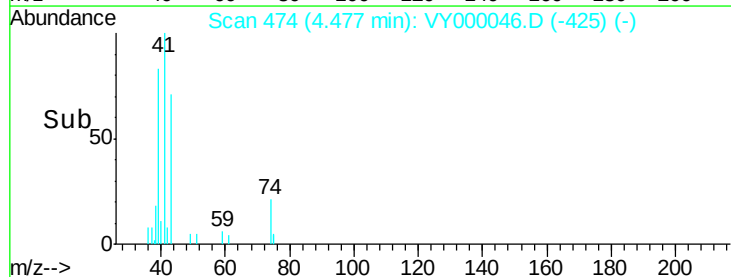
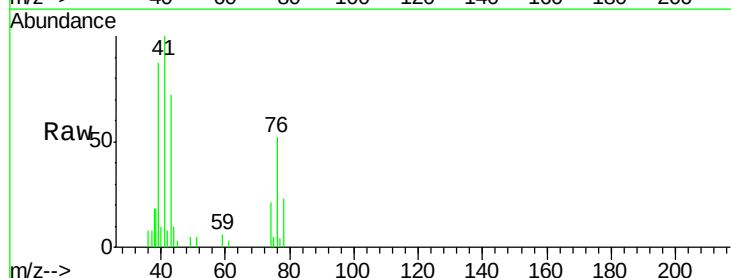
Manual Integrations  
 APPROVED

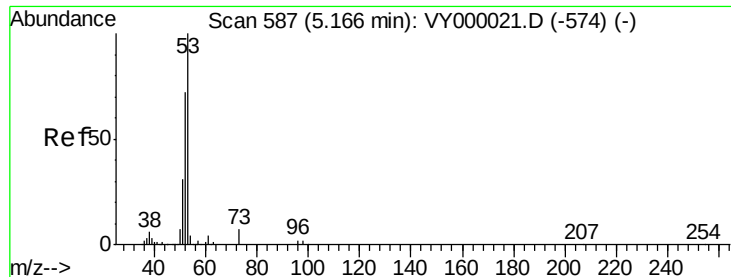
MMDadoda  
 9/20/2019 1:02:17 AM



#14  
 Allyl chloride  
 Concen: 4.346 ug/l  
 RT: 4.48 min Scan# 474  
 Delta R.T. -0.00 min  
 Lab File: VY000046.D  
 Acq: 16 Sep 2019 14:18

Tgt Ion: 41 Resp: 7385  
 Ion Ratio Lower Upper  
 41 100  
 39 74.0 53.1 79.7  
 76 45.7 34.9 52.3





#15

Acrylonitrile

Concen: 21.500 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.00 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

Instrument :

MSVOA\_Y

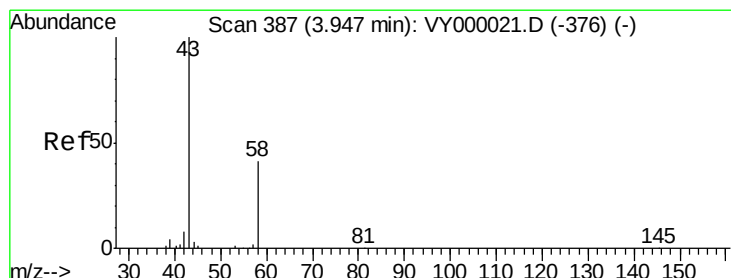
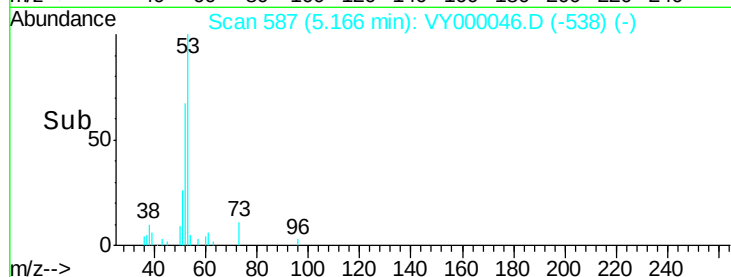
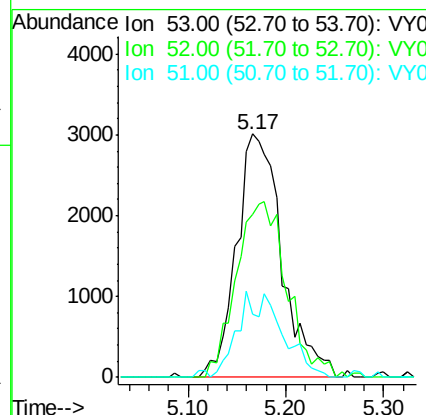
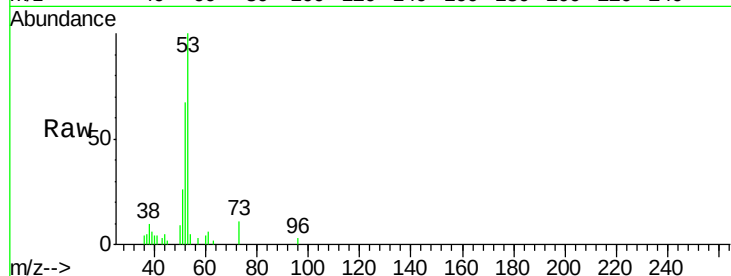
ClientSampled :

MDL1

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 9673  |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 80.6  | 62.8  | 94.2  |
| 51       | 16.4  | 26.6  | 40.0# |

Manual Integrations  
APPROVED

MMDadoda  
9/20/2019 1:02:17 AM



#16

Acetone

Concen: 23.513 ug/l

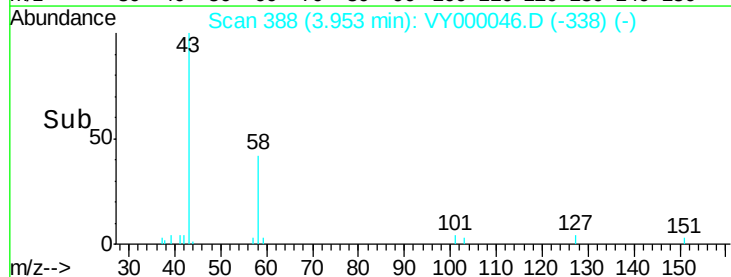
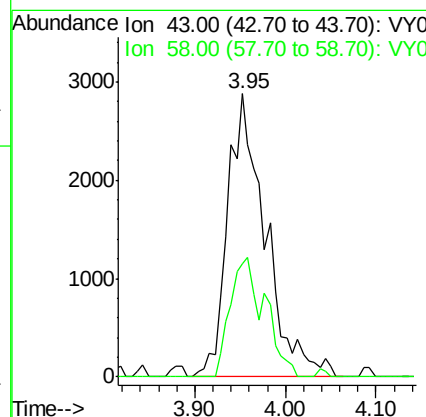
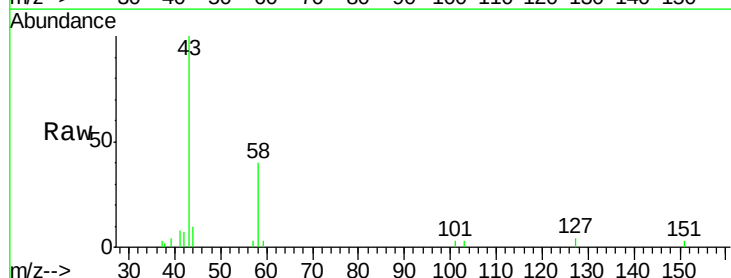
RT: 3.95 min Scan# 388

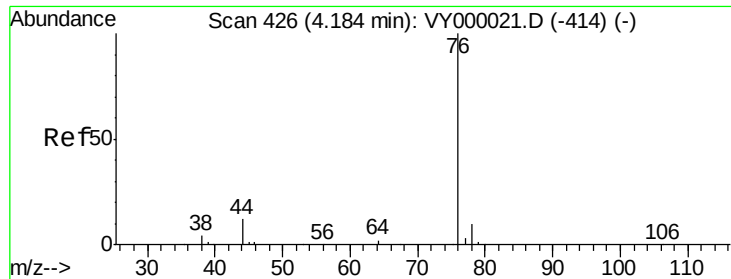
Delta R.T. 0.01 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 8340  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 40.0  | 32.5  | 48.7  |





#17

Carbon Disulfide

Concen: 5.504 ug/l

RT: 4.19 min Scan# 427

Delta R.T. 0.01 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

Instrument :

MSVOA\_Y

ClientSampled :

MDL1

Tot Ion: 76 Resp: 12130

Ion Ratio Lower Upper

76 100

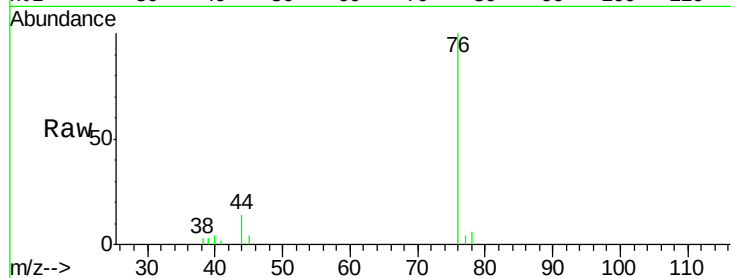
78 6.0 7.6 11.4#

Manual Integrations

APPROVED

MMDadoda

9/20/2019 1:02:17 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.19

4.15 4.20 4.25 4.30

4.10 4.15 4.20 4.25 4.30

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4.10 4.15 4.20 4.25 4.30

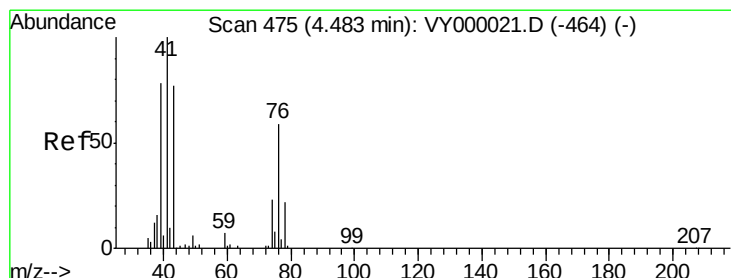
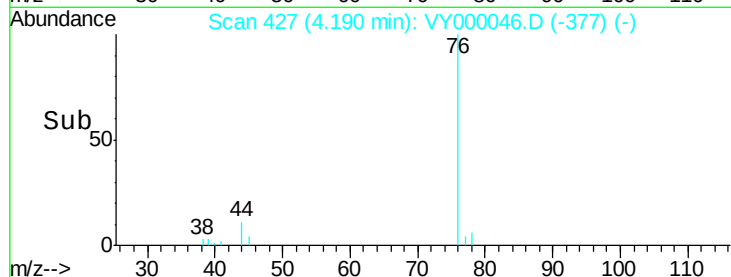
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4.10 4.15 4.20 4.25 4.30

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4.10 4.15 4.20 4.25 4.30

4.10 4.15 4.20 4.25 4.30



#18

Methyl Acetate

Concen: 4.973 ug/l

RT: 4.48 min Scan# 475

Delta R.T. -0.00 min

Lab File: VY000046.D

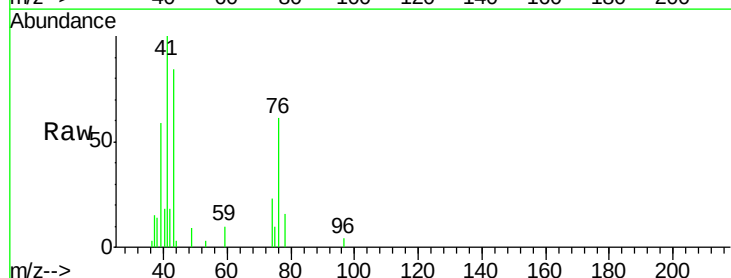
Acq: 16 Sep 2019 14:18

Tgt Ion: 43 Resp: 4963

Ion Ratio Lower Upper

43 100

74 28.0 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.48

4.45 4.50 4.55

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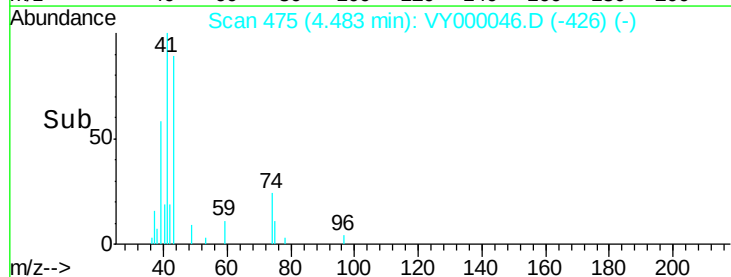
4.40 4.45 4.50 4.55

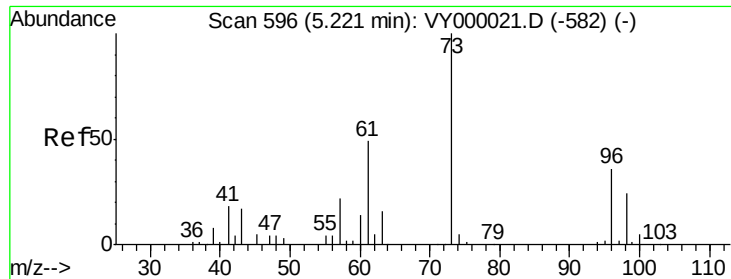
4.40 4.45 4.50 4.55

4.40 4.45 4.50 4.55

4.40 4.45 4.50 4.55

4.40 4.45 4.50 4.55





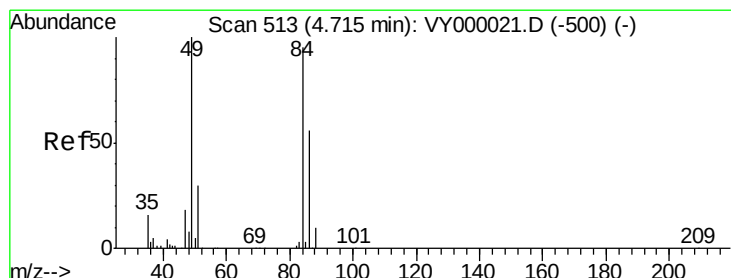
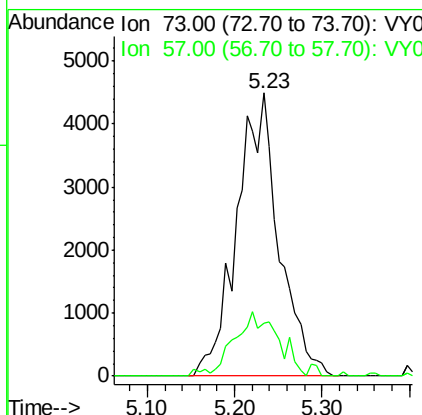
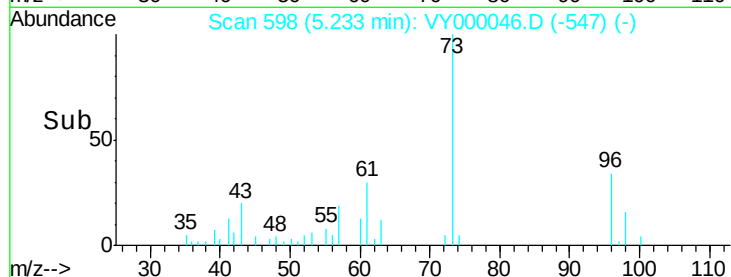
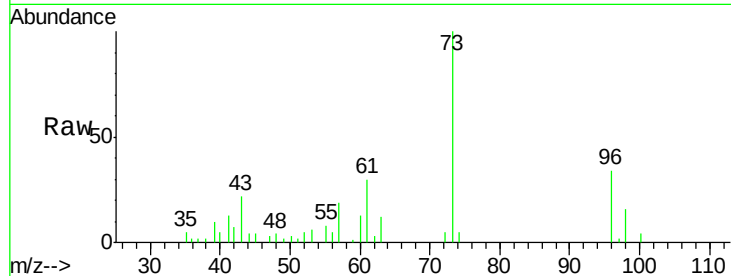
#19  
Methyl tert-butyl Ether  
Concen: 4.536 ug/l  
RT: 5.23 min Scan# 598  
Delta R.T. 0.01 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

Instrument :  
MSVOA\_Y  
ClientSampled :  
MDL1

Tot Ion: 73 Resp: 15036  
Ion Ratio Lower Upper  
73 100  
57 18.8 17.8 26.8

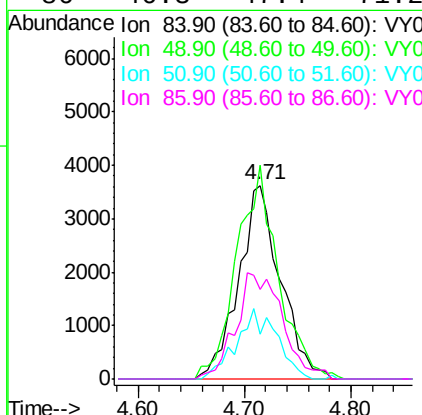
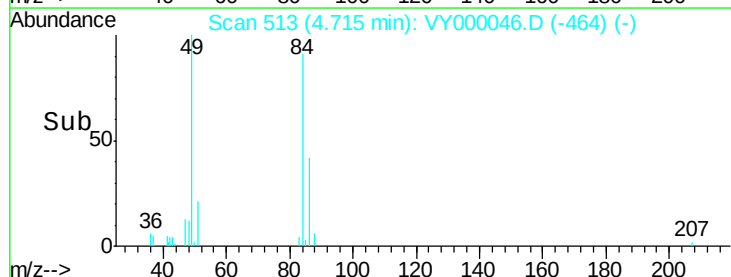
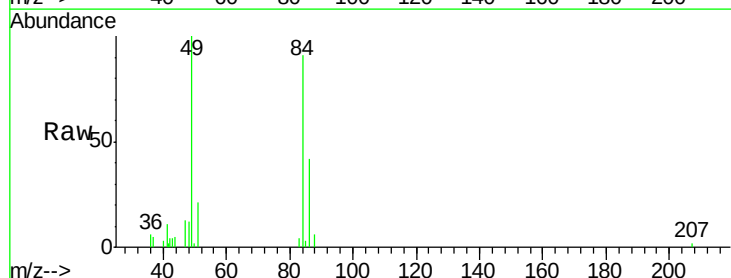
Manual Integrations  
APPROVED

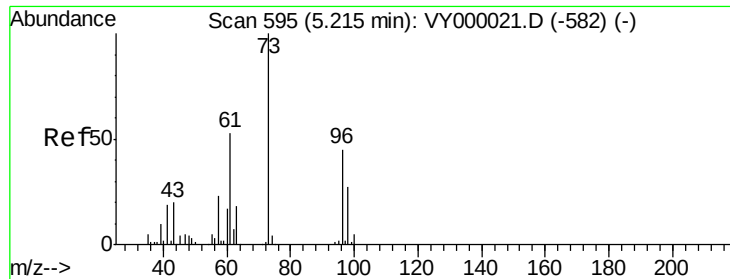
MMDadoda  
9/20/2019 1:02:17 AM



#20  
Methylene Chloride  
Concen: 7.063 ug/l  
RT: 4.71 min Scan# 513  
Delta R.T. 0.00 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

Tgt Ion: 84 Resp: 9986  
Ion Ratio Lower Upper  
84 100  
49 110.3 84.4 126.6  
51 23.2 25.4 38.0#  
86 46.3 47.4 71.2#





#21

trans-1,2-Dichloroethene

Concen: 5.083 ug/l

RT: 5.22 min Scan# 596

Delta R.T. 0.01 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

Instrument :

MSVOA\_Y

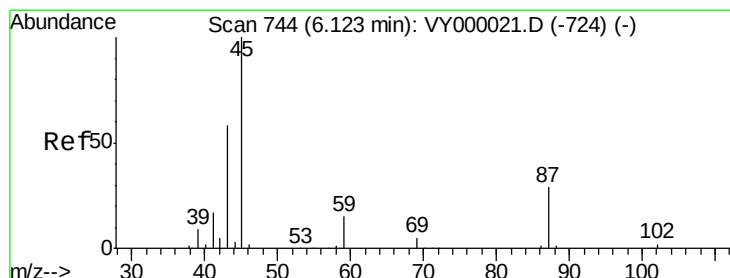
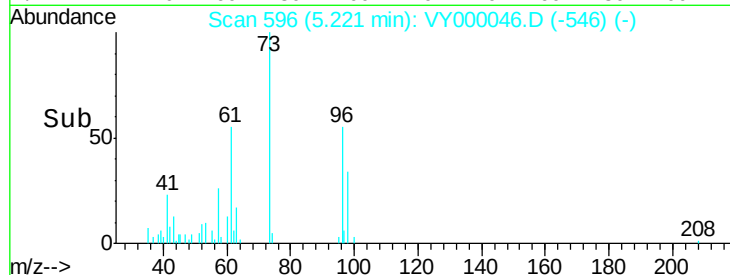
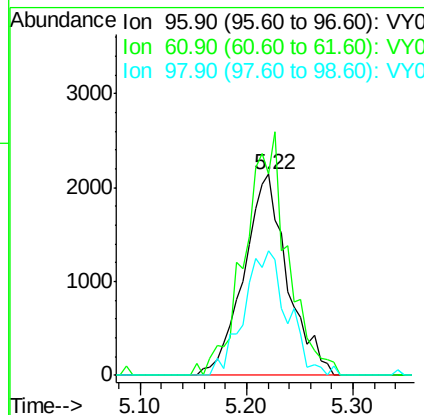
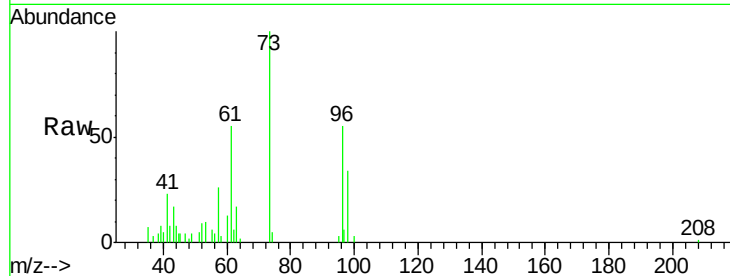
ClientSampled :

MDL1

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 6159  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 100.1 | 95.3  | 142.9 |
| 98       | 61.7  | 48.7  | 73.1  |

Manual Integrations  
APPROVED

MMDadoda  
9/20/2019 1:02:17 AM



#22

Diisopropyl ether

Concen: 4.517 ug/l

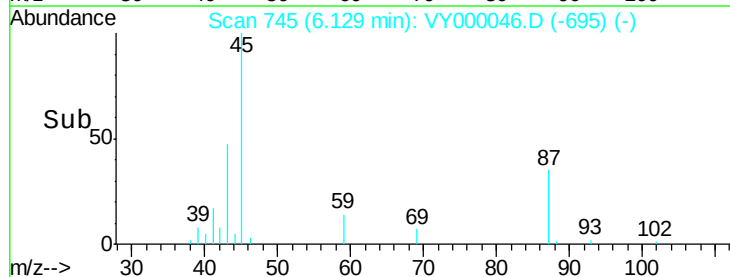
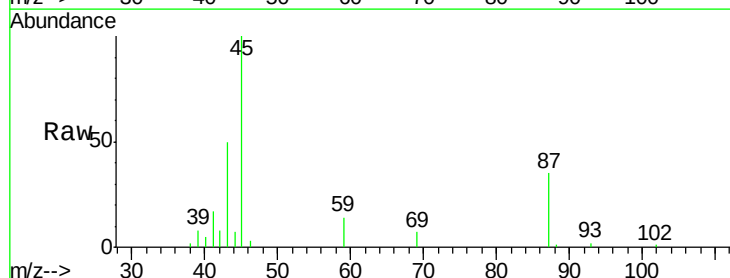
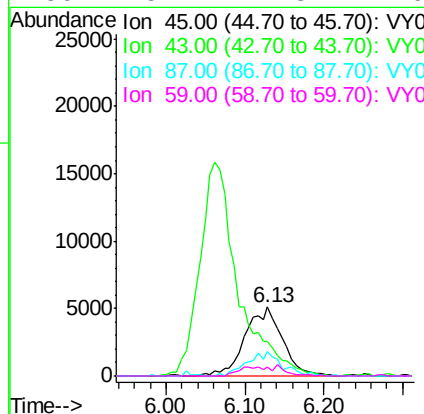
RT: 6.13 min Scan# 745

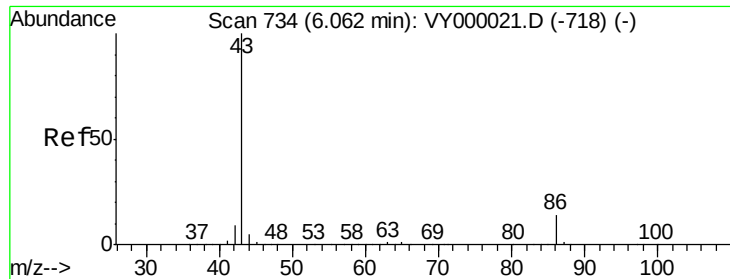
Delta R.T. 0.01 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 16942 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 50.1  | 47.0  | 70.4  |
| 87       | 34.7  | 23.1  | 34.7  |
| 59       | 13.7  | 11.8  | 17.6  |





#23

Vinyl Acetate

Concen: 20.663 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

Instrument :

MSVOA\_Y

ClientSampled :

MDL1

Tot Ion: 43 Resp: 53616

Ion Ratio Lower Upper

43 100

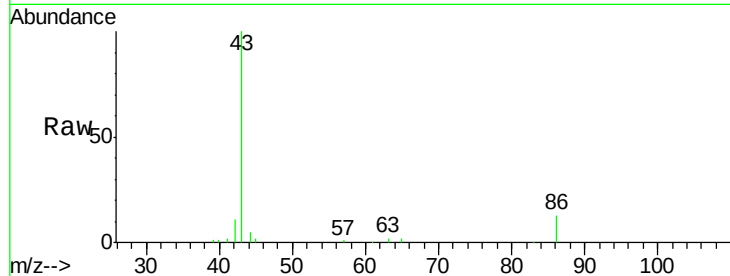
86 13.0 11.0 16.4

Manual Integrations

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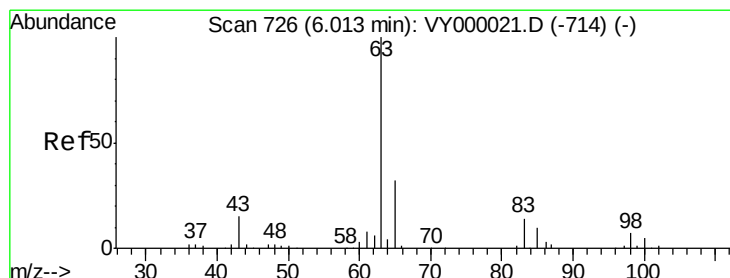
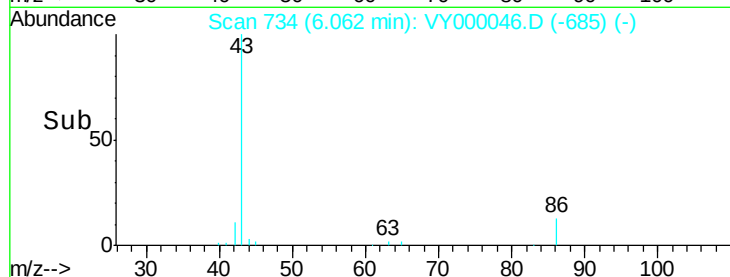
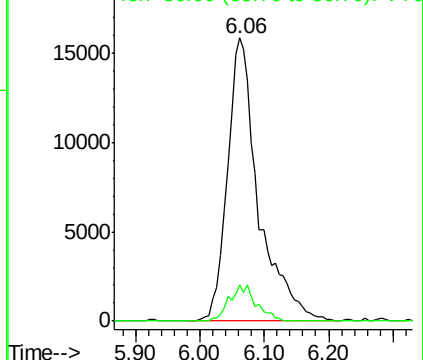
MMDadoda

9/20/2019 1:02:17 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: 4.706 ug/l

RT: 6.02 min Scan# 727

Delta R.T. 0.01 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

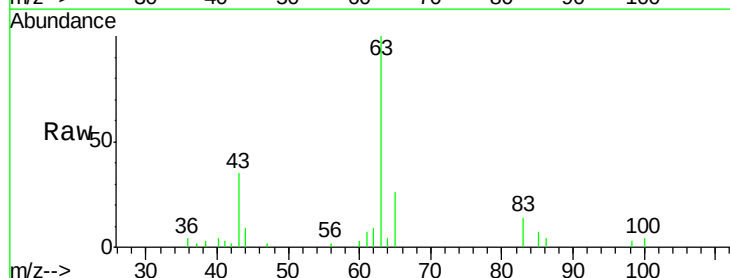
Tgt Ion: 63 Resp: 10461

Ion Ratio Lower Upper

63 100

98 3.4 3.8 11.2#

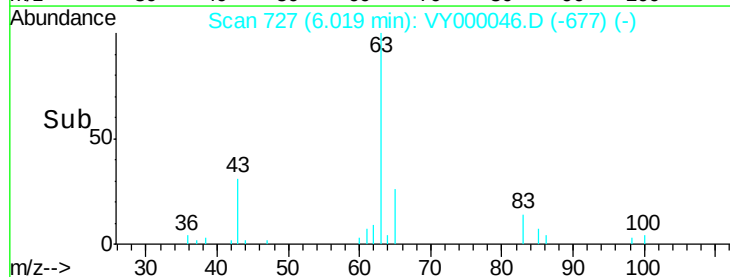
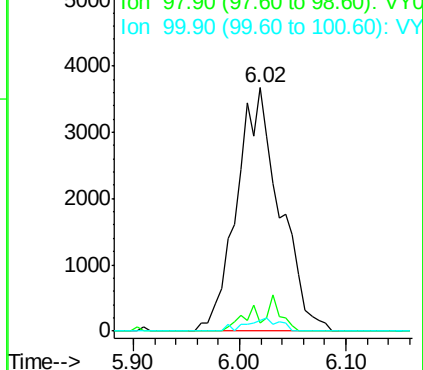
100 4.3 2.6 8.0



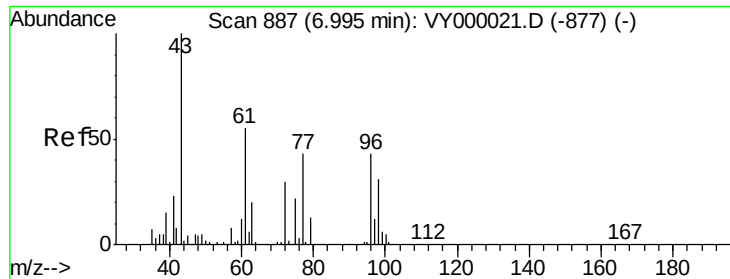
Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0







#25

2-Butanone

Concen: 23.732 ug/l

RT: 7.00 min Scan# 888

Delta R.T. 0.01 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

Instrument :

MSVOA\_Y

ClientSampled :

MDL1

Tot Ion: 43 Resp: 13681

Ion Ratio Lower Upper

43 100

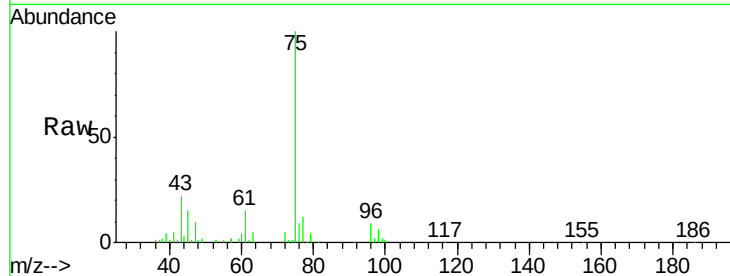
72 22.4 24.1 36.1#

Manual Integrations

APPROVED

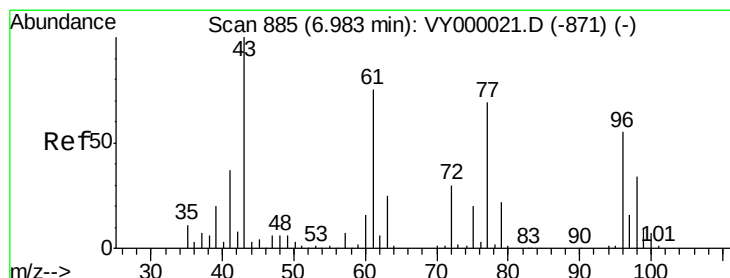
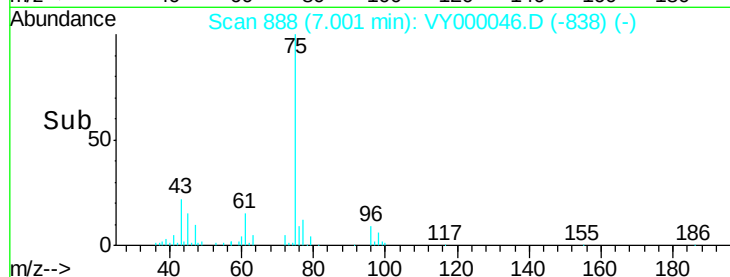
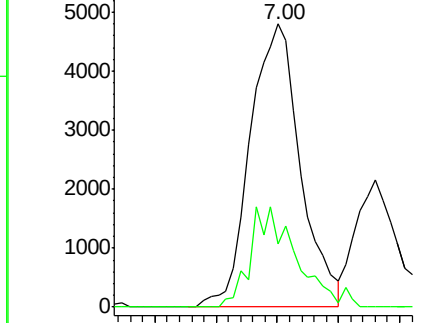
MMDadoda

9/20/2019 1:02:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 5.433 ug/l

RT: 6.98 min Scan# 885

Delta R.T. -0.00 min

Lab File: VY000046.D

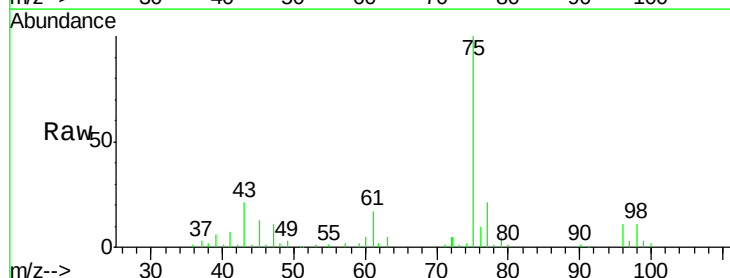
Acq: 16 Sep 2019 14:18

Tgt Ion: 77 Resp: 11219

Ion Ratio Lower Upper

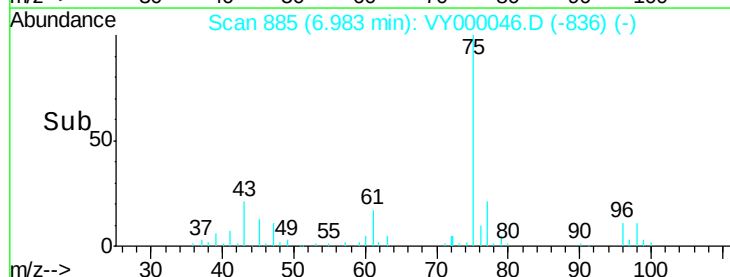
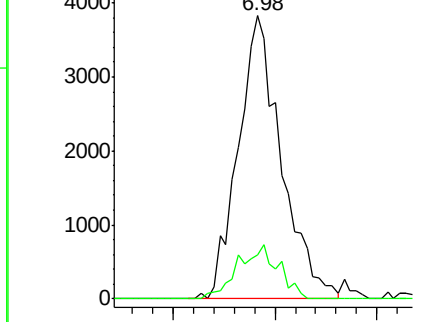
77 100

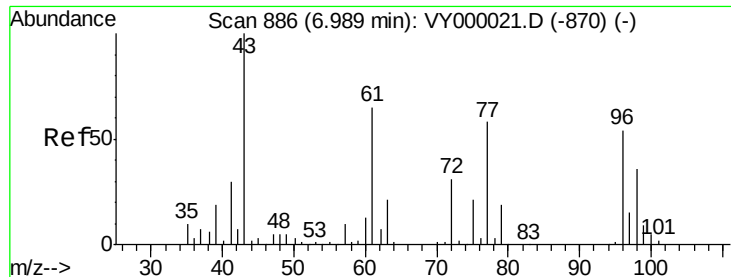
97 18.1 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

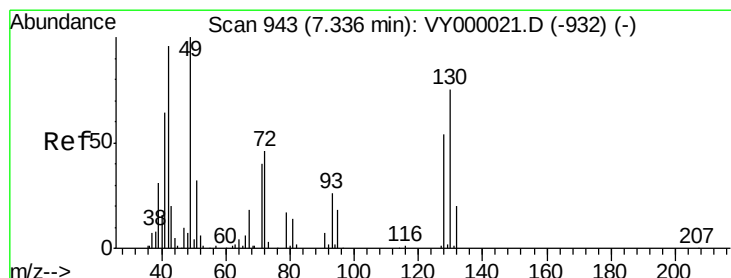
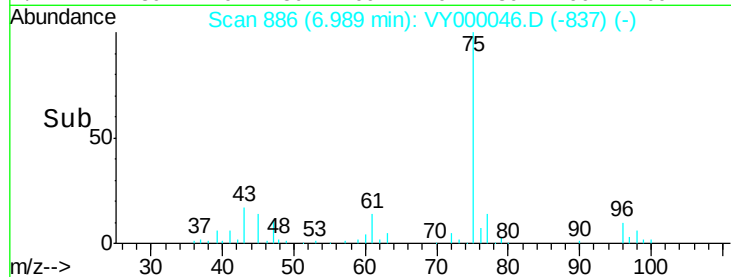
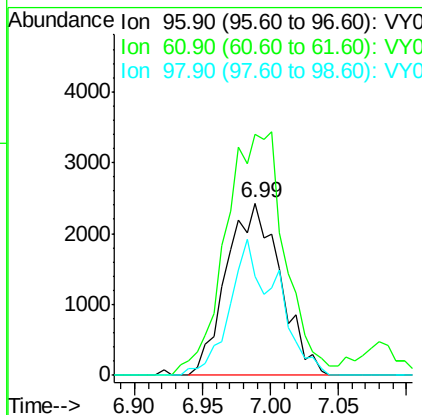
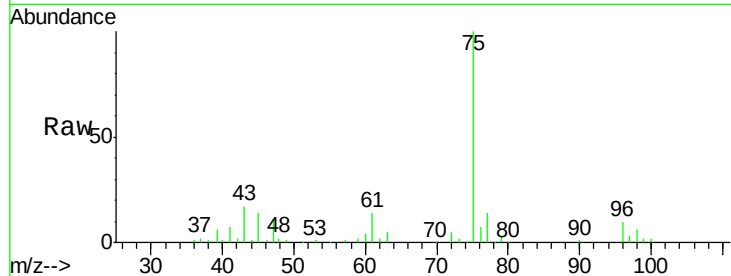
cis-1,2-Dichloroethene  
Concen: 4.385 ug/l  
RT: 6.99 min Scan# 886  
Delta R.T. -0.00 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

Instrument :  
MSVOA\_Y  
ClientSampled :  
MDL1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 156.2 | 0.0   | 259.2 |
| 98      | 69.4  | 0.0   | 127.4 |

Manual Integrations  
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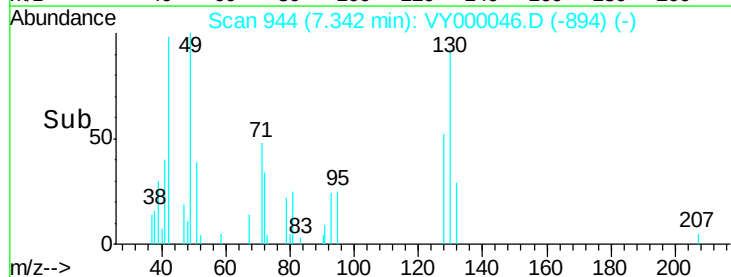
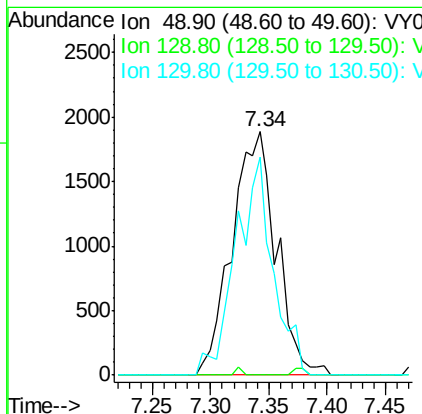
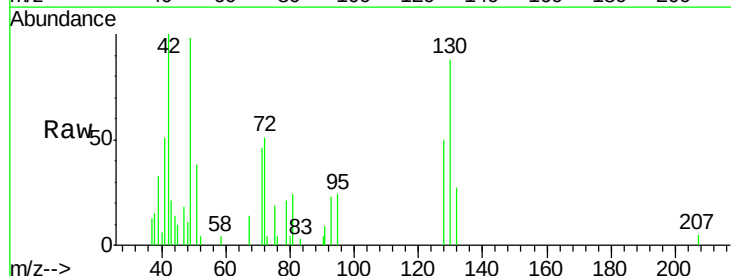
MMDadoda  
9/20/2019 1:02:17 AM

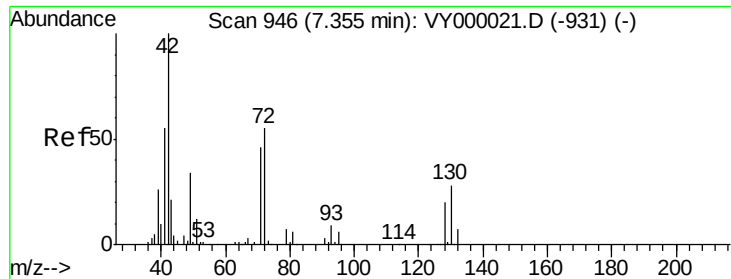


#28

Bromochloromethane  
Concen: 4.869 ug/l  
RT: 7.34 min Scan# 944  
Delta R.T. 0.01 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.4   | 0.0   | 1.8   |
| 130     | 75.5  | 62.5  | 93.7  |





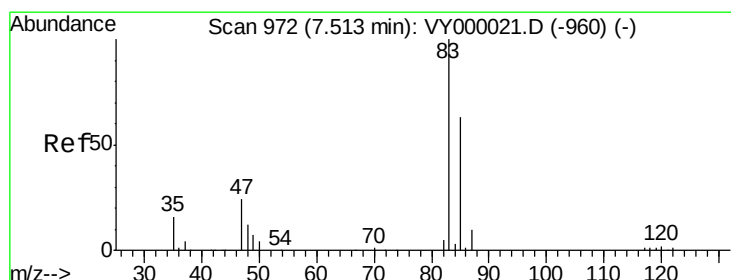
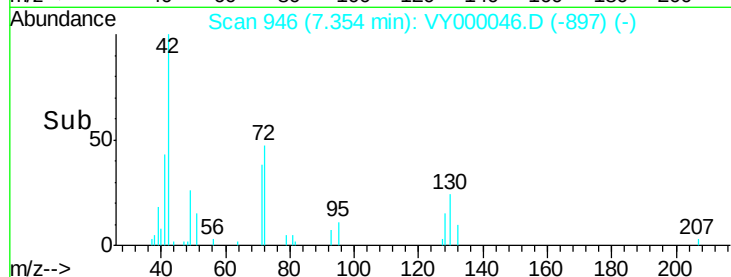
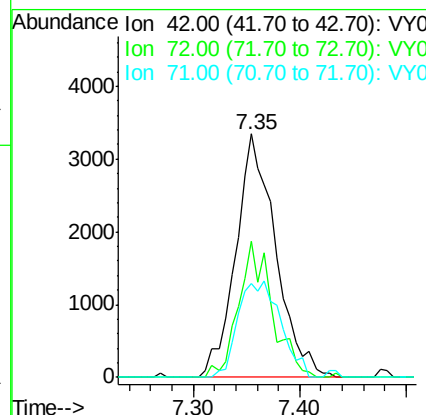
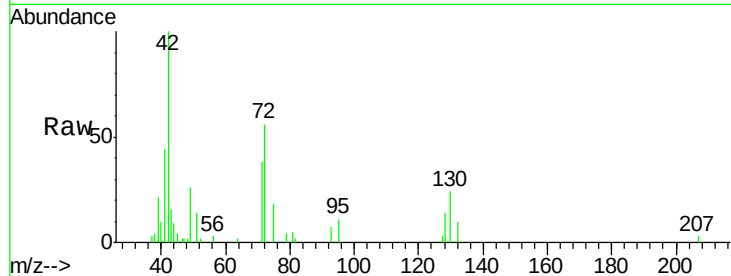
#29  
Tetrahydrofuran  
Concen: 25.658 ug/l  
RT: 7.35 min Scan# 946  
Delta R.T. -0.00 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

Instrument :  
MSVOA\_Y  
ClientSampled :  
MDL1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 47.3  | 41.1  | 61.7  |
| 71      | 42.3  | 36.5  | 54.7  |

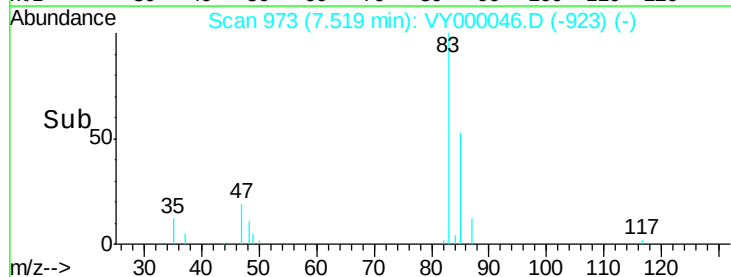
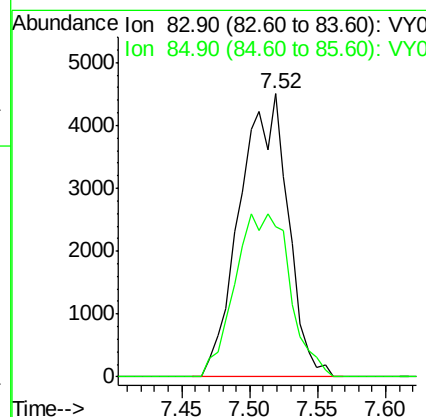
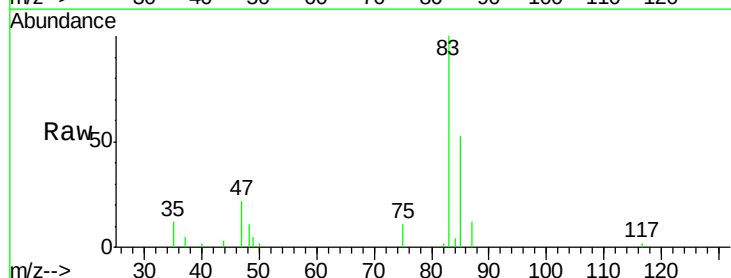
Manual Integrations  
APPROVED

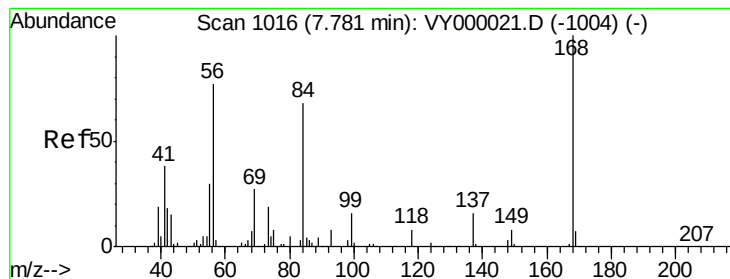
MMDadoda  
9/20/2019 1:02:17 AM



#30  
Chloroform  
Concen: 4.863 ug/l  
RT: 7.52 min Scan# 973  
Delta R.T. 0.01 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 53.0  | 50.6  | 76.0  |





#31

Cyclohexane

Concen: 5.851 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

Instrument :

MSVOA\_Y

ClientSampled :

MDL1

Tot Ion: 56 Resp: 10838

Ion Ratio Lower Upper

56 100

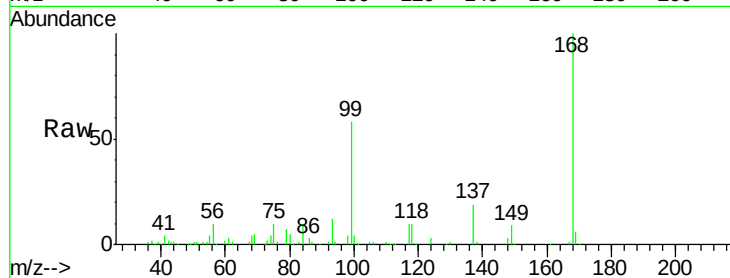
69 51.7 28.0 42.0#

84 96.3 70.4 105.6

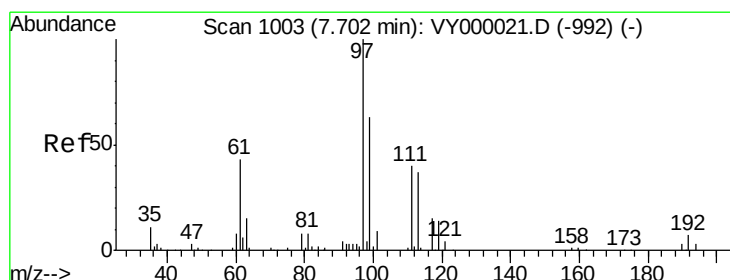
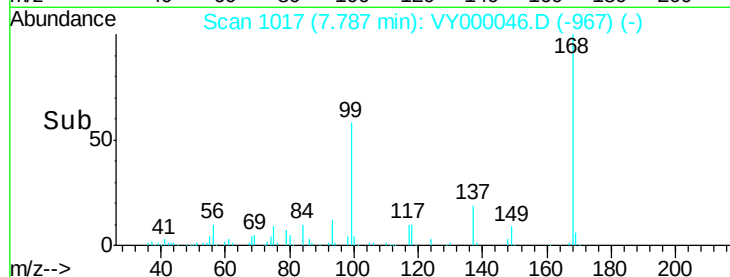
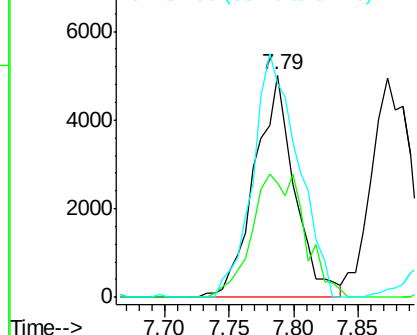
Manual Integrations  
APPROVED

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



#32

1,1,1-Trichloroethane

Concen: 4.329 ug/l

RT: 7.71 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

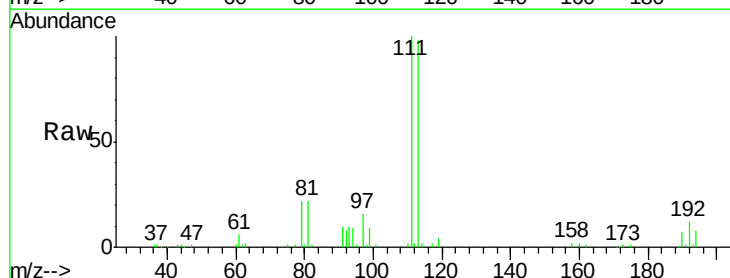
Tgt Ion: 97 Resp: 8140

Ion Ratio Lower Upper

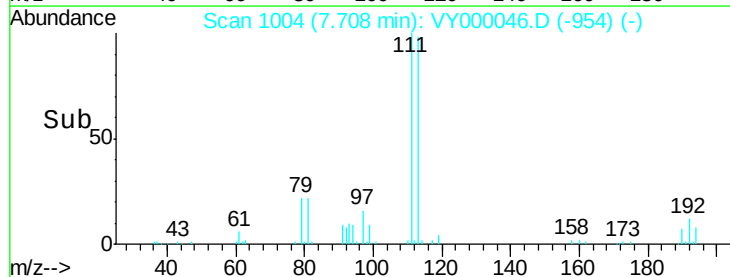
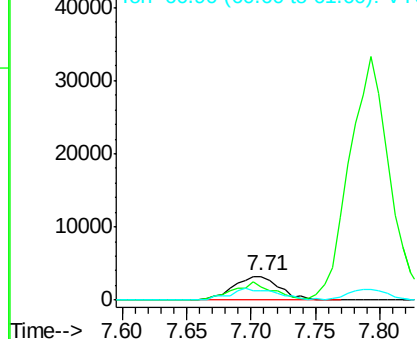
97 100

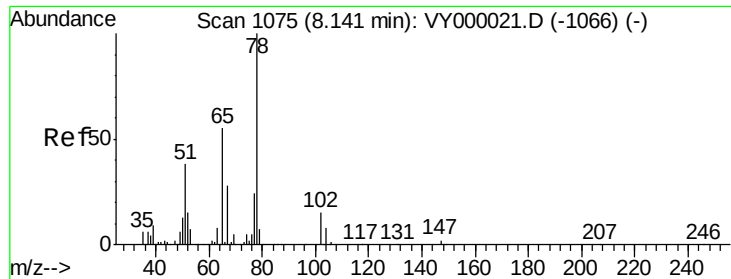
99 65.5 51.0 76.6

61 48.7 35.7 53.5



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





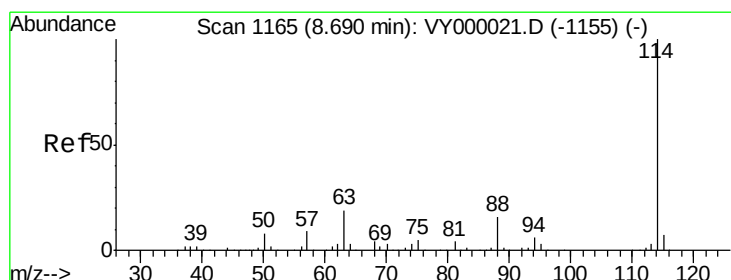
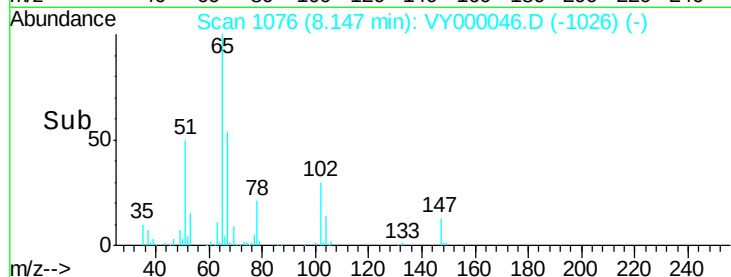
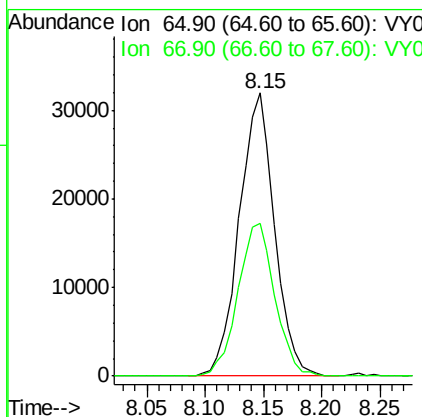
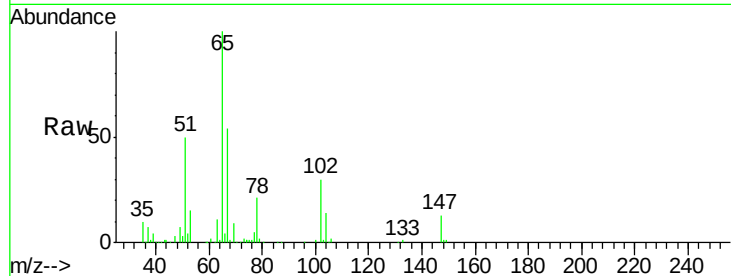
#33  
 1,2-Dichloroethane-d4  
 Concen: 52.685 ug/l  
 RT: 8.15 min Scan# 1076  
 Delta R.T. 0.01 min  
 Lab File: VY000046.D  
 Acq: 16 Sep 2019 14:18

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MDL1

Tot Ion: 65 Resp: 67392  
 Ion Ratio Lower Upper  
 65 100  
 67 56.5 0.0 104.4

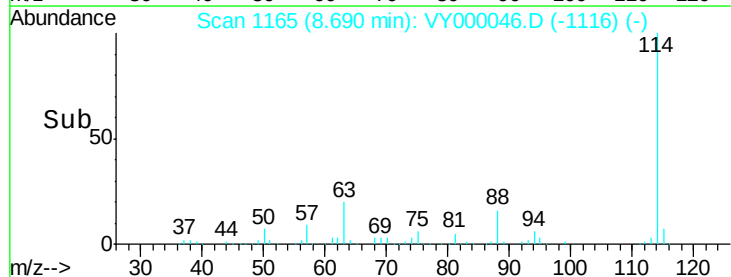
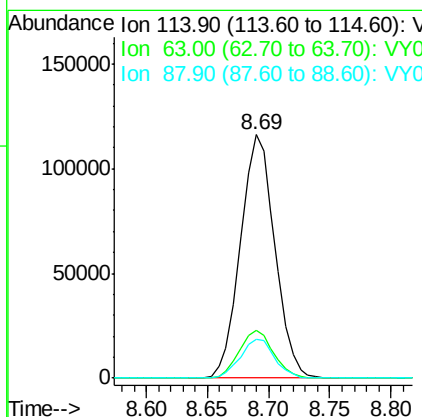
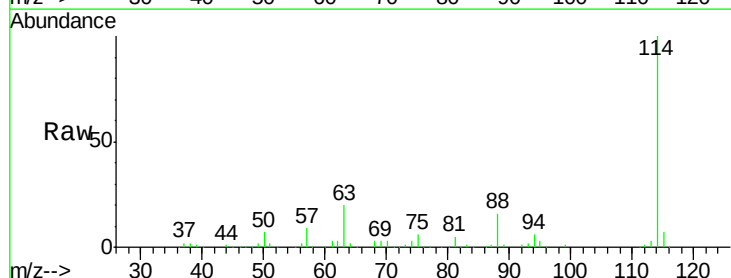
Manual Integrations  
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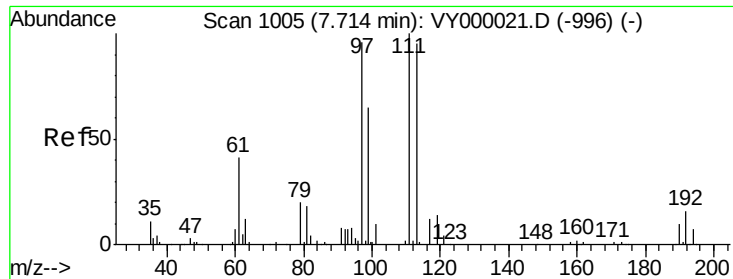
MMDadoda  
 9/20/2019 1:02:17 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1165  
 Delta R.T. -0.00 min  
 Lab File: VY000046.D  
 Acq: 16 Sep 2019 14:18

Tgt Ion: 114 Resp: 227064  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 38.6  
 88 16.1 0.0 31.8





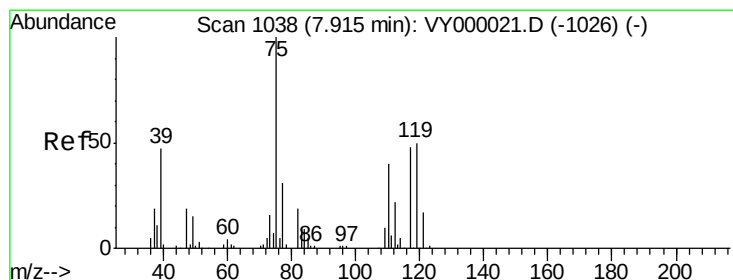
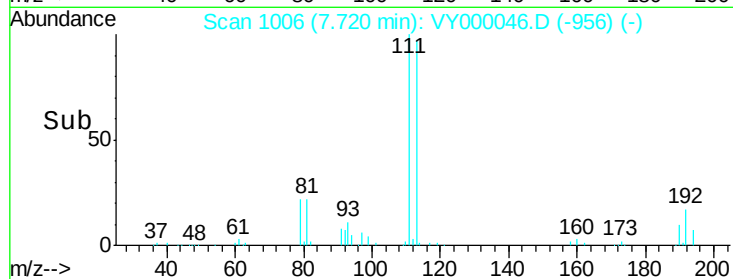
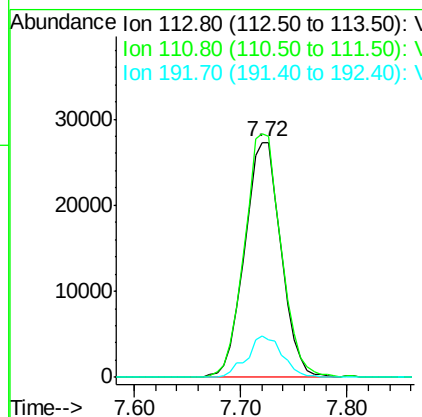
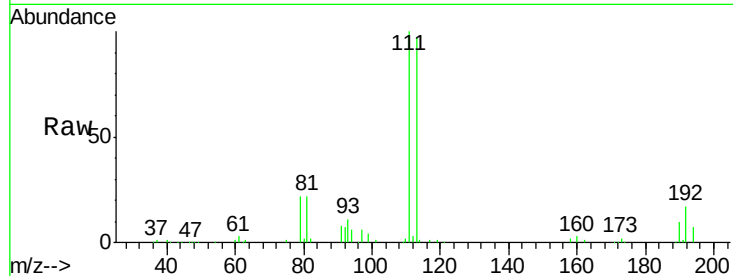
#35  
 Dibromofluoromethane  
 Concen: 50.519 ug/l  
 RT: 7.72 min Scan# 1006  
 Delta R.T. 0.01 min  
 Lab File: VY000046.D  
 Acq: 16 Sep 2019 14:18

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MDL1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.0 | 83.9  | 125.9 |
| 192     | 17.0  | 14.5  | 21.7  |

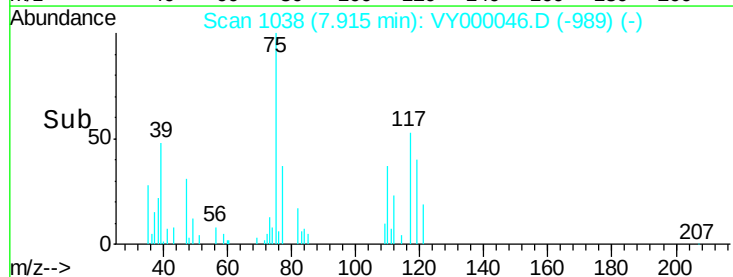
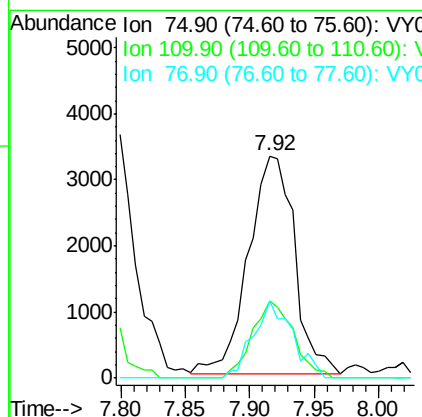
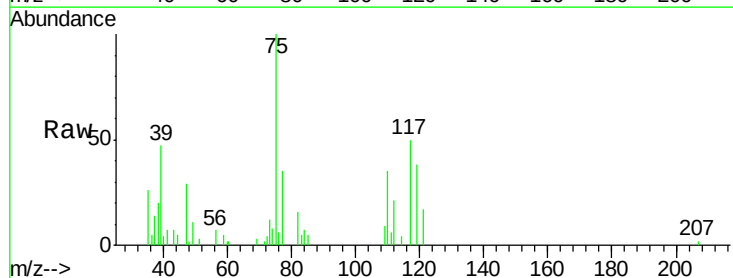
Manual Integrations  
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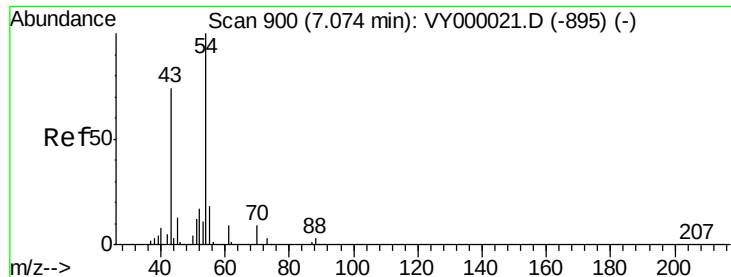
MMDadoda  
 9/20/2019 1:02:17 AM



#36  
 1,1-Dichloropropene  
 Concen: 4.902 ug/l  
 RT: 7.92 min Scan# 1038  
 Delta R.T. -0.00 min  
 Lab File: VY000046.D  
 Acq: 16 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 31.6  | 18.6  | 55.8  |
| 77      | 30.3  | 24.4  | 36.6  |





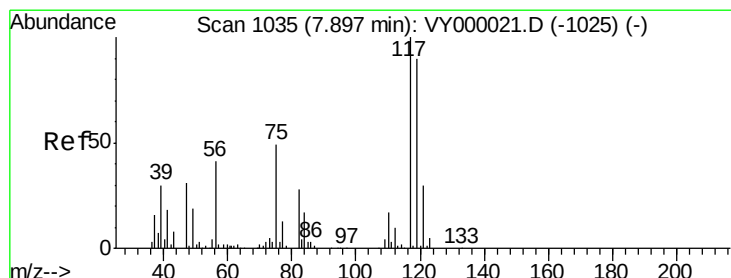
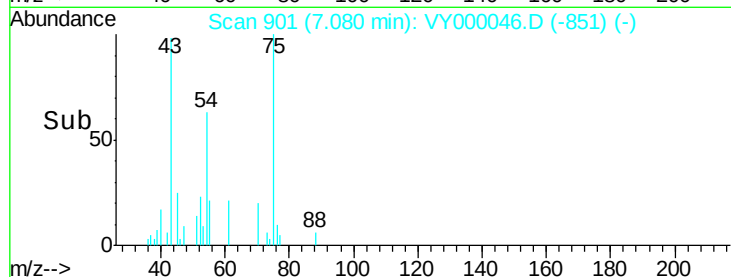
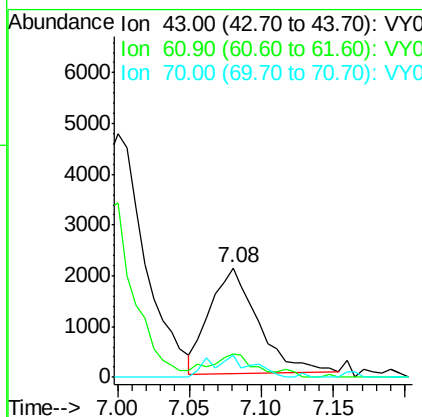
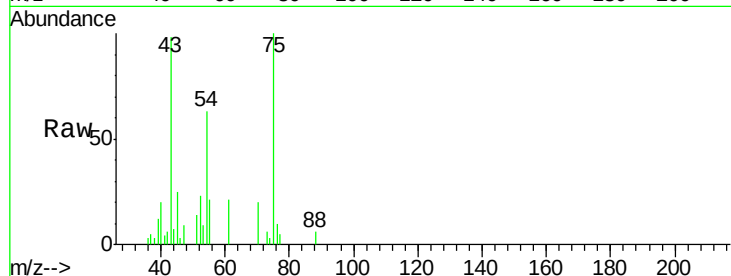
#37  
Ethyl Acetate  
Concen: 4.354 ug/l  
RT: 7.08 min Scan# 901  
Delta R.T. 0.01 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

Instrument :  
MSVOA\_Y  
ClientSampled :  
MDL1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.1  | 13.1  | 19.7# |
| 70      | 17.7  | 10.9  | 16.3# |

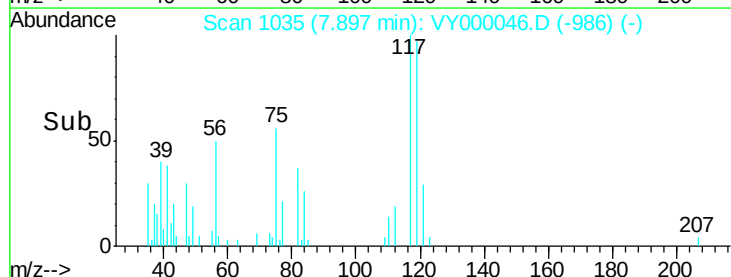
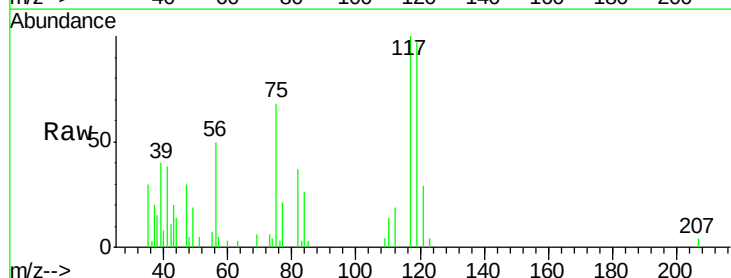
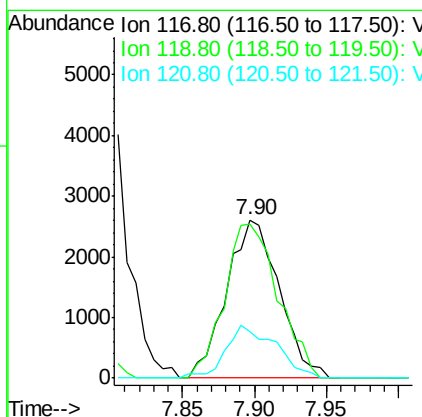
Manual Integrations  
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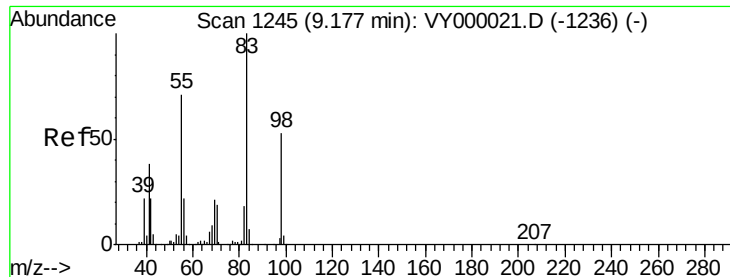
MMDadoda  
9/20/2019 1:02:17 AM



#38  
Carbon Tetrachloride  
Concen: 4.219 ug/l  
RT: 7.90 min Scan# 1035  
Delta R.T. -0.00 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.1  | 72.1  | 108.1 |
| 121     | 29.0  | 23.9  | 35.9  |





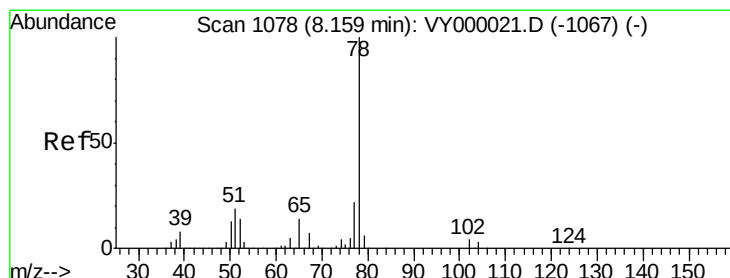
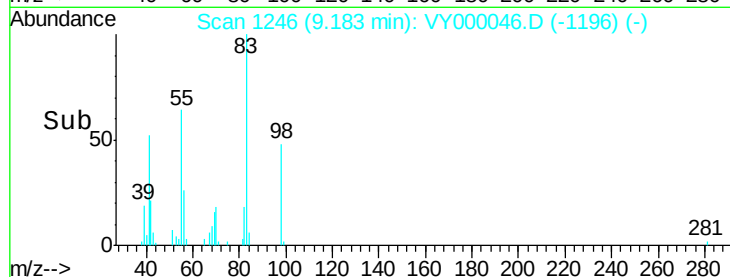
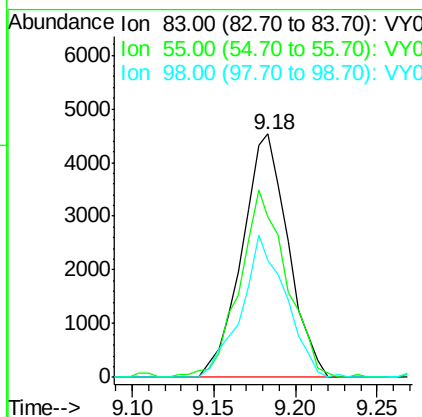
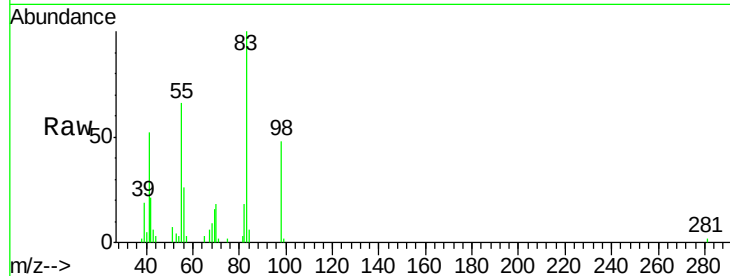
#39  
Methylvlcyclohexane  
Concen: 4.325 ug/l  
RT: 9.18 min Scan# 1246  
Delta R.T. 0.01 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL1

| Tot Ion | 83    | Resp  | 8909  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 83      | 100   |       |       |
| 55      | 65.9  | 57.0  | 85.4  |
| 98      | 48.0  | 42.0  | 63.0  |

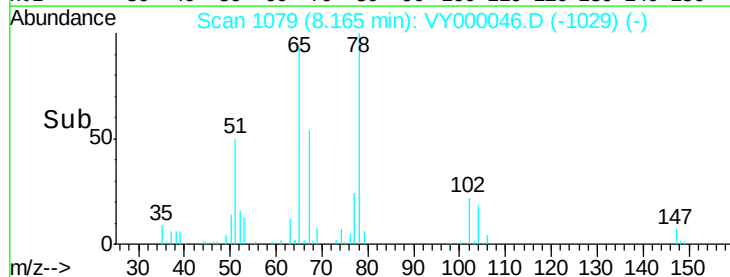
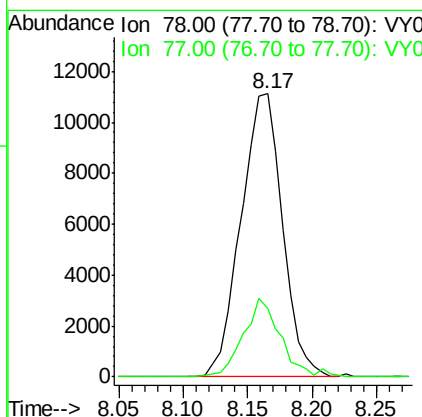
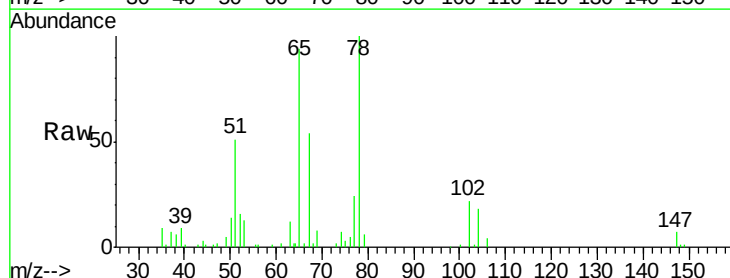
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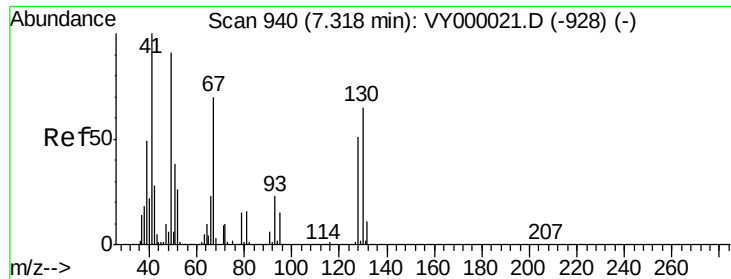


#40  
Benzene  
Concen: 4.566 ug/l  
RT: 8.17 min Scan# 1079  
Delta R.T. 0.01 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

| Tgt Ion | 78    | Resp  | 24783 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 78      | 100   |       |       |
| 77      | 24.1  | 17.8  | 26.6  |







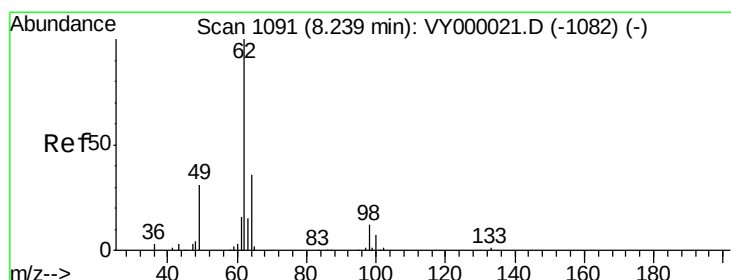
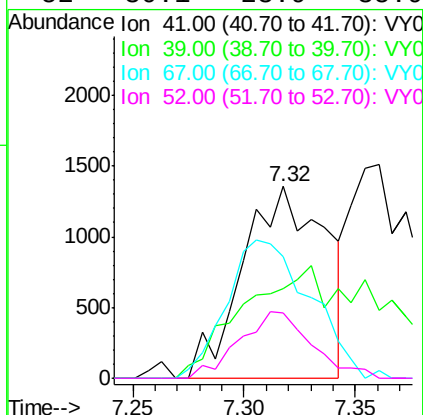
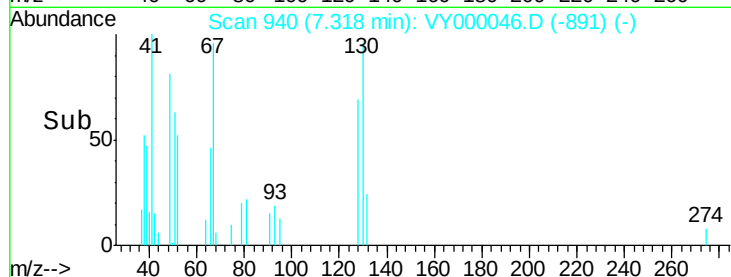
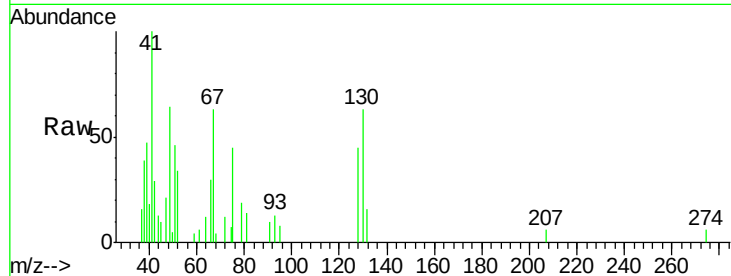
#41  
Methacrylonitrile  
Concen: 5.360 ug/l  
RT: 7.32 min Scan# 940  
Delta R.T. -0.00 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

Instrument :  
MSVOA\_Y  
ClientSampled :  
MDL1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 0.0   | 41.8  | 62.6# |
| 67      | 73.0  | 65.8  | 98.6  |
| 52      | 30.1  | 23.9  | 35.9  |

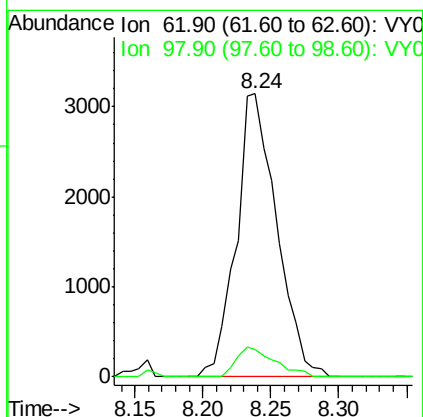
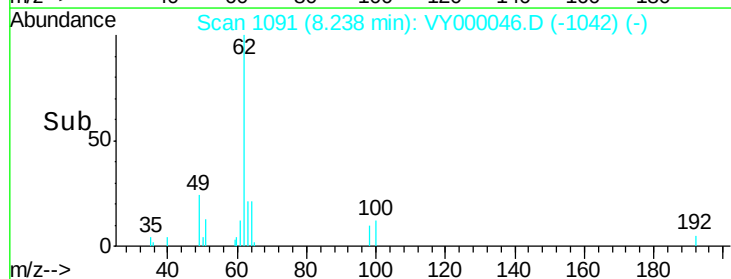
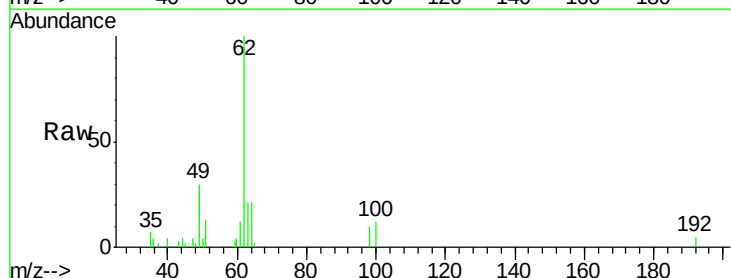
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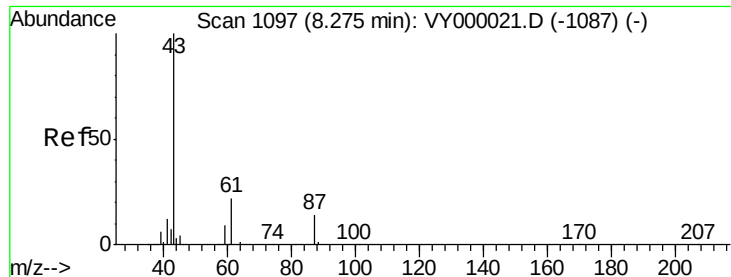
MMDadoda  
9/20/2019 1:02:17 AM



#42  
1,2-Dichloroethane  
Concen: 4.710 ug/l  
RT: 8.24 min Scan# 1091  
Delta R.T. -0.00 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.9   | 0.0   | 23.2  |





#43

Isopropyl Acetate

Concen: 4.236 ug/l

RT: 8.28 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

Instrument :

MSVOA\_Y

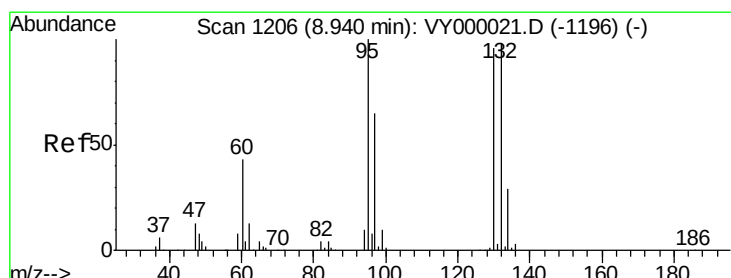
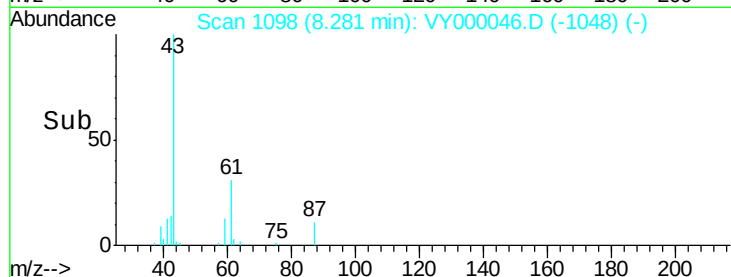
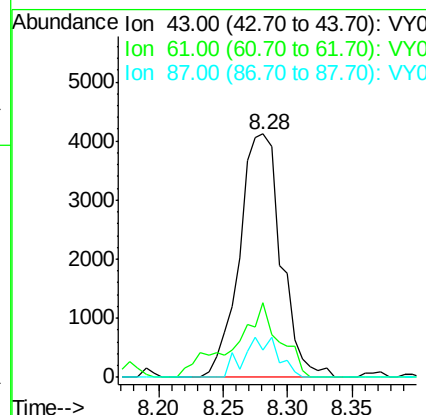
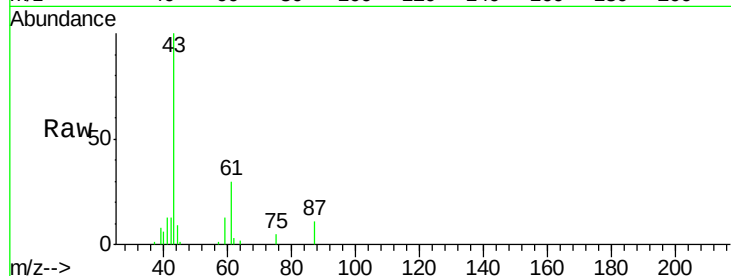
ClientSampled :

MDL1

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 9228  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 33.7  | 24.9  | 37.3  |
| 87       | 13.5  | 12.3  | 18.5  |

Manual Integrations  
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#44

Trichloroethene

Concen: 4.490 ug/l

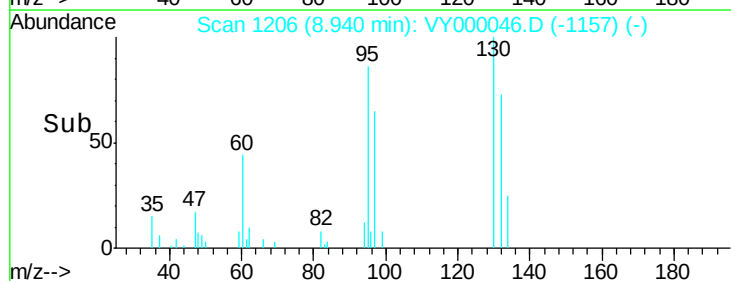
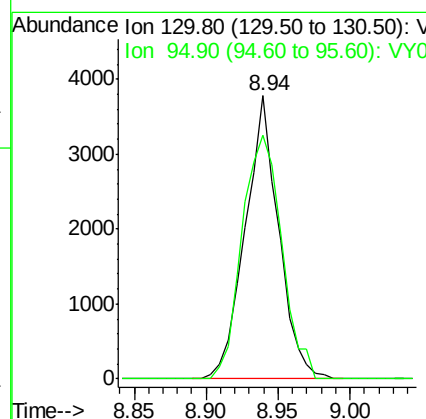
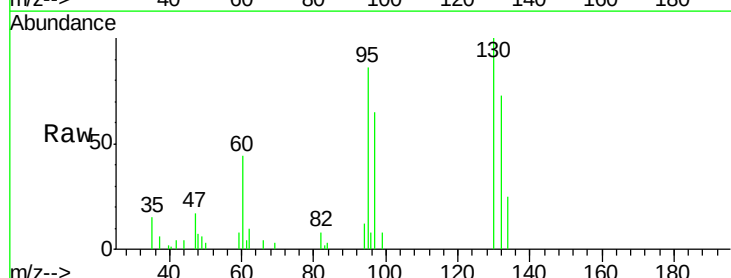
RT: 8.94 min Scan# 1206

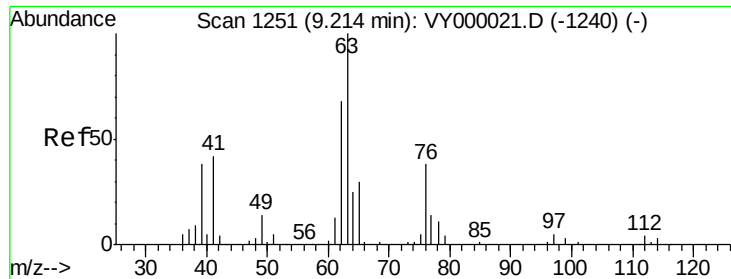
Delta R.T. -0.00 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 6085  |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 86.2  | 0.0   | 207.4 |





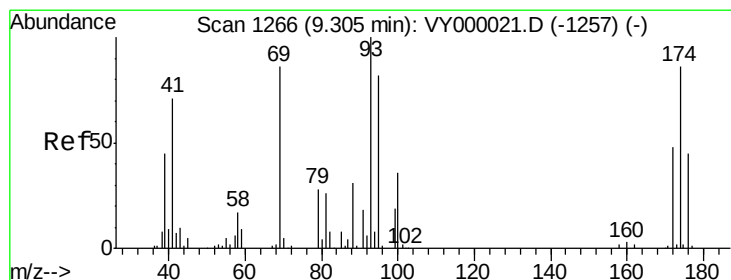
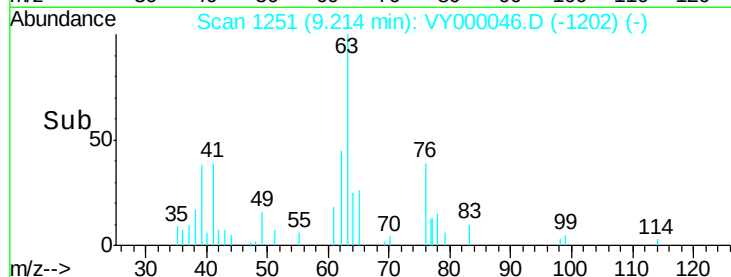
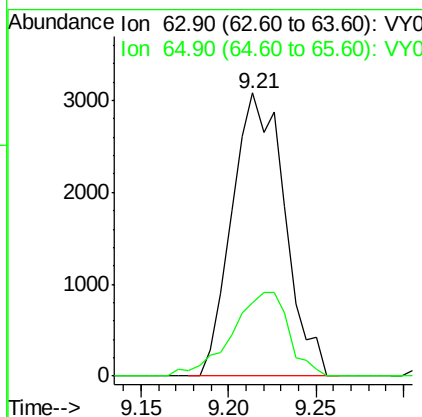
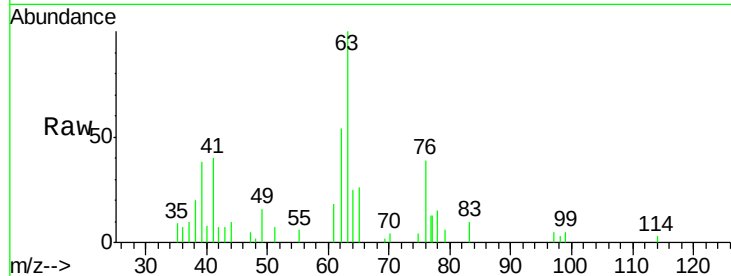
#45  
 1,2-Dichloropropane  
 Concen: 4.616 ug/l  
 RT: 9.21 min Scan# 1251  
 Delta R.T. -0.00 min  
 Lab File: VY000046.D  
 Acq: 16 Sep 2019 14:18

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MDL1

Tot Ion: 63 Resp: 6461  
 Ion Ratio Lower Upper  
 63 100  
 65 25.8 24.1 36.1

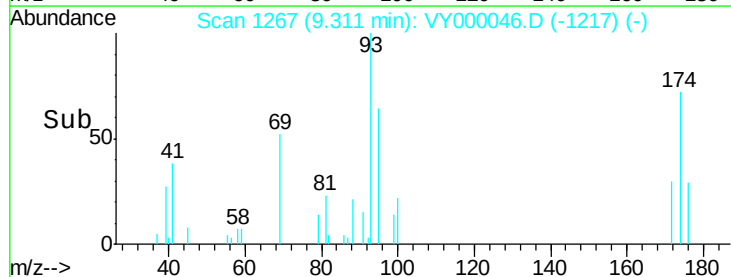
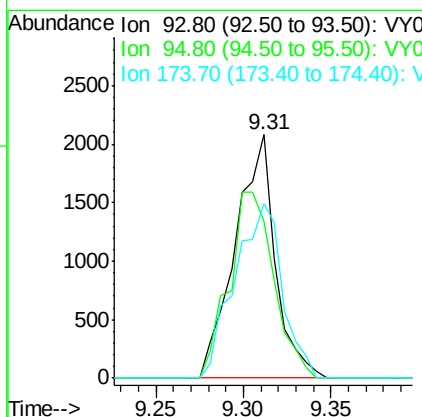
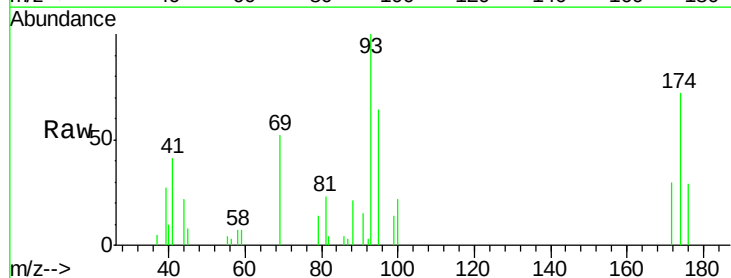
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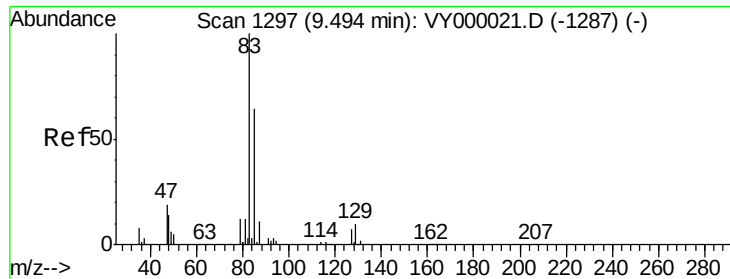
MMDadoda  
 9/20/2019 1:02:17 AM



#46  
 Dibromomethane  
 Concen: 4.265 ug/l  
 RT: 9.31 min Scan# 1267  
 Delta R.T. 0.01 min  
 Lab File: VY000046.D  
 Acq: 16 Sep 2019 14:18

Tgt Ion: 93 Resp: 3313  
 Ion Ratio Lower Upper  
 93 100  
 95 85.7 67.0 100.6  
 174 84.7 68.8 103.2





#47

Bromodichloromethane

Concen: 4.458 ug/l

RT: 9.50 min Scan# 1298

Delta R.T. 0.01 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

Instrument :

MSVOA\_Y

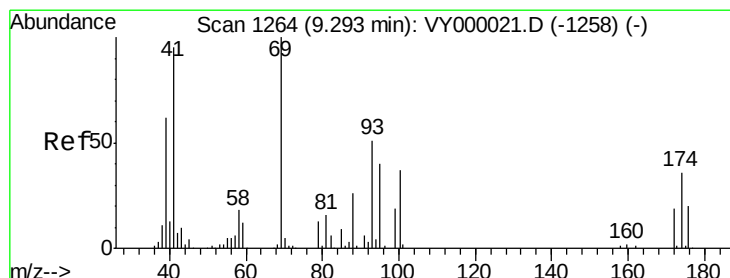
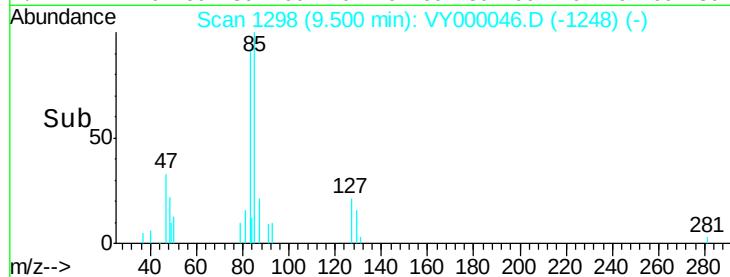
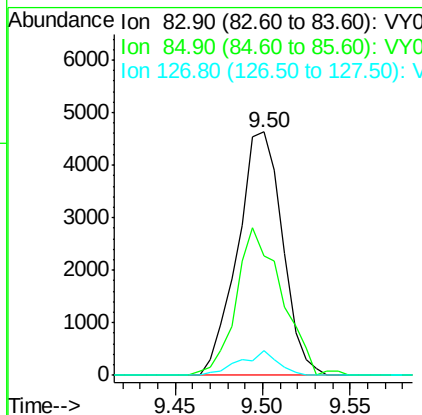
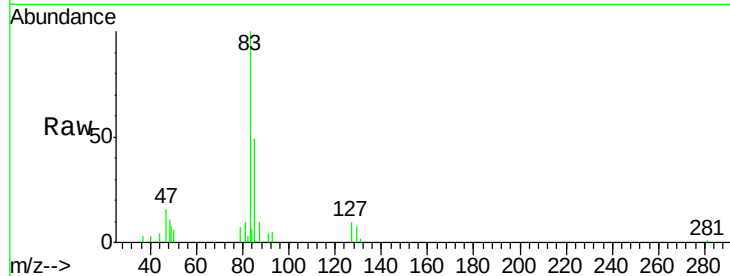
ClientSampleId :

MDL1

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 8266  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 49.0  | 51.4  | 77.2# |
| 127      | 10.0  | 5.4   | 8.2#  |

Manual Integrations  
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#48

Methyl methacrylate

Concen: 4.516 ug/l

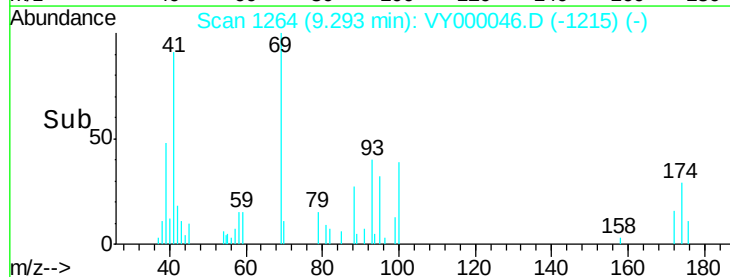
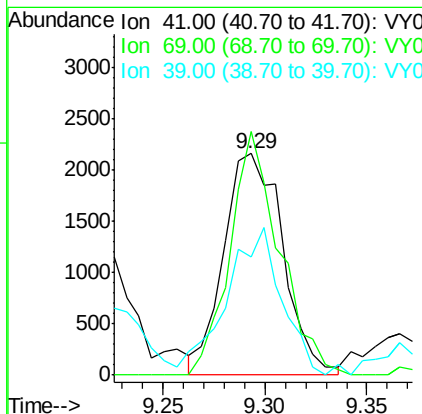
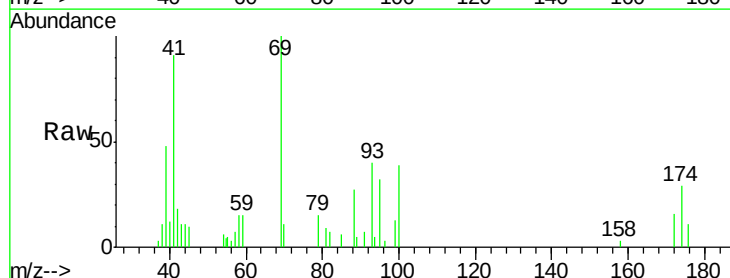
RT: 9.29 min Scan# 1264

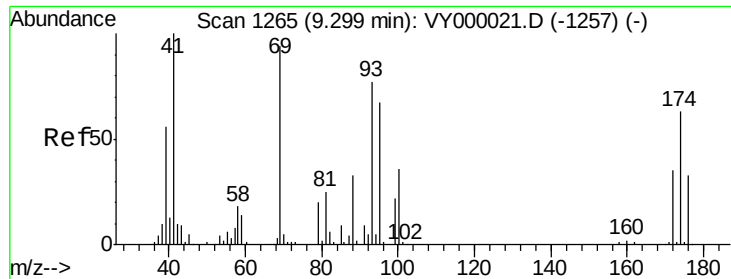
Delta R.T. -0.00 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 4341  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 92.0  | 79.7  | 119.5 |
| 39       | 62.2  | 48.6  | 72.8  |





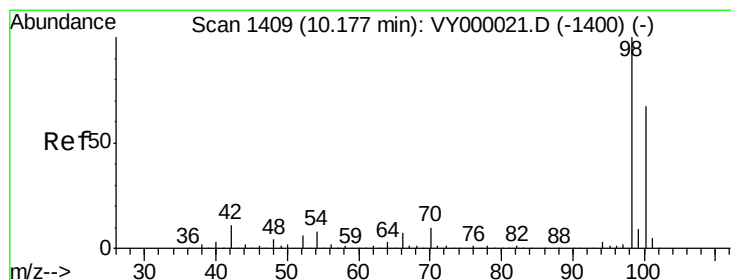
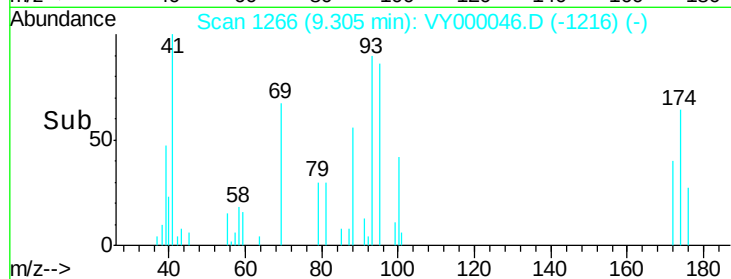
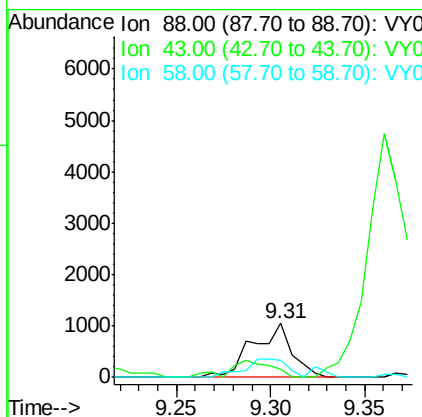
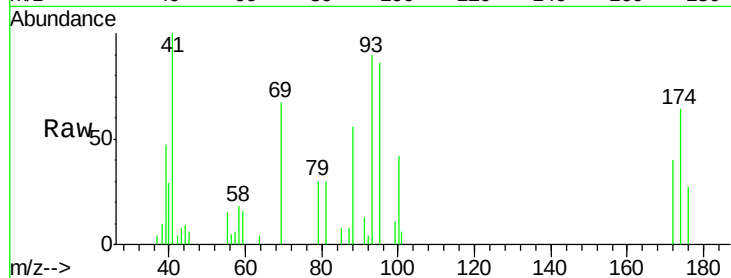
#49  
1,4-Dioxane  
Concen: 92.890 ug/l  
RT: 9.31 min Scan# 1266  
Delta R.T. 0.01 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 33.3  | 24.6  | 37.0  |
| 58      | 37.3  | 52.7  | 79.1# |

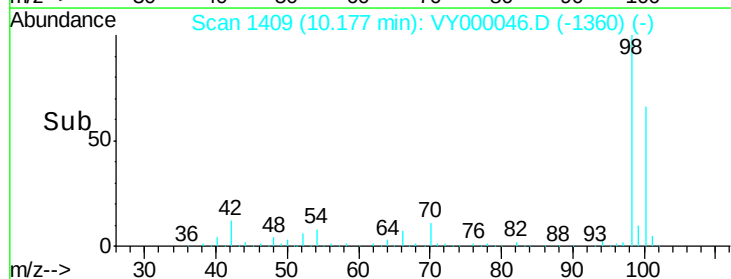
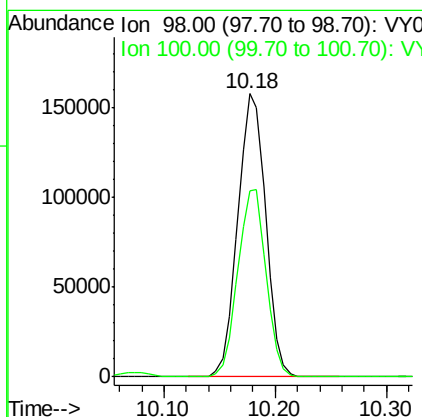
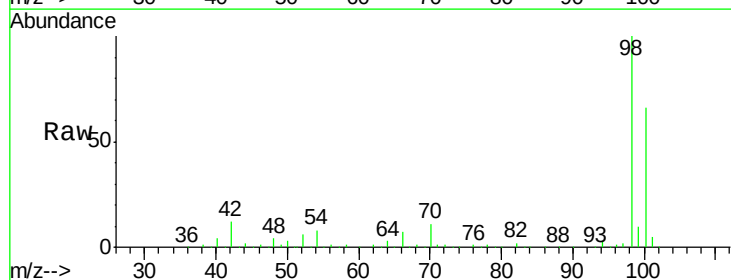
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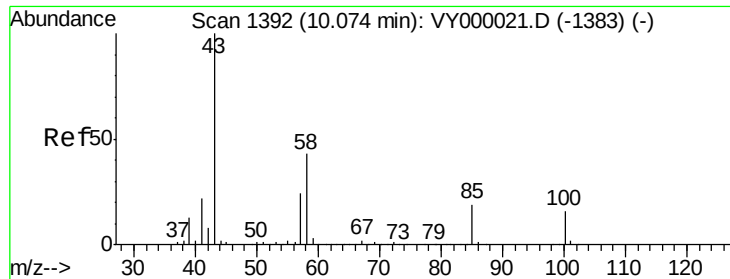
MMDadoda  
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#50  
Toluene-d8  
Concen: 52.298 ug/l  
RT: 10.18 min Scan# 1409  
Delta R.T. -0.00 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 67.1  | 54.0  | 81.0  |





#51

4-Methyl-2-Pentanone

Concen: 21.009 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

Instrument :

MSVOA\_Y

ClientSampled :

MDL1

Tot Ion: 43 Resp: 25646

Ion Ratio Lower Upper

43 100

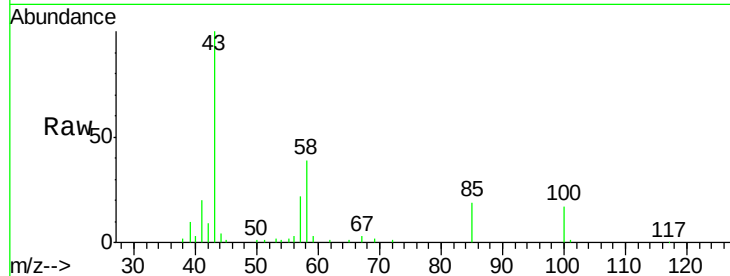
58 43.8 34.1 51.1

Manual Integrations

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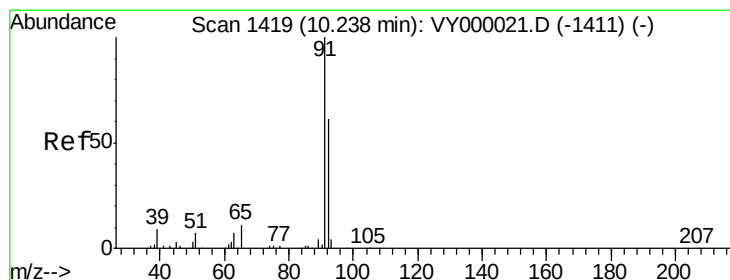
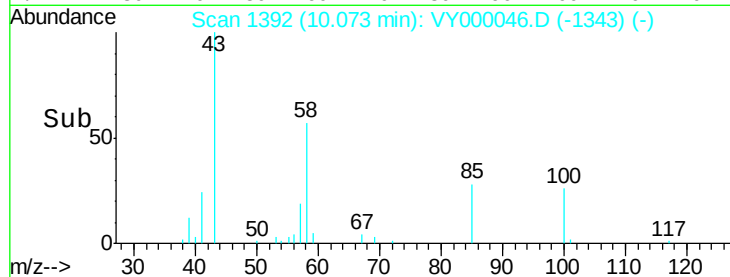
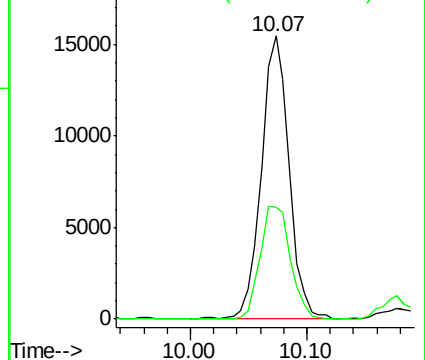
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 4.437 ug/l

RT: 10.24 min Scan# 1420

Delta R.T. 0.01 min

Lab File: VY000046.D

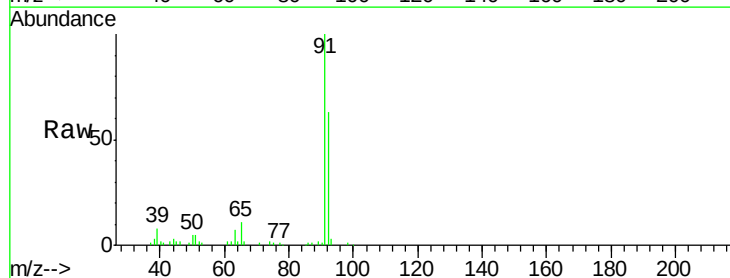
Acq: 16 Sep 2019 14:18

Tgt Ion: 92 Resp: 15133

Ion Ratio Lower Upper

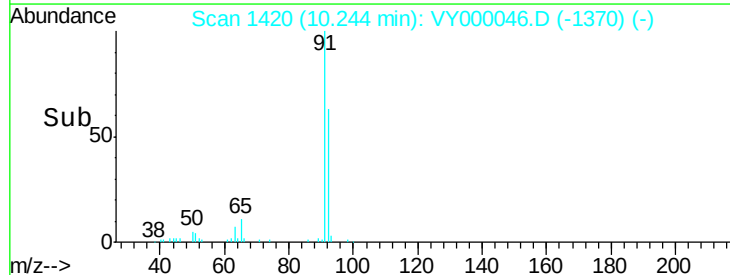
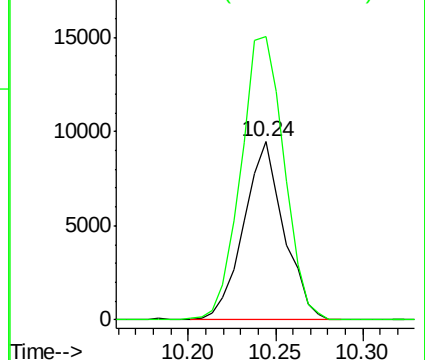
92 100

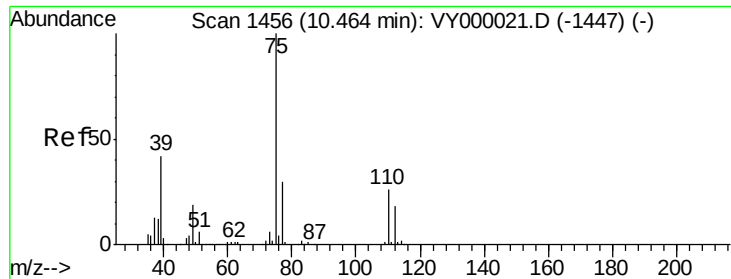
91 171.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 4.376 ug/l

RT: 10.46 min Scan# 1456

Delta R.T. -0.00 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

Instrument :

MSVOA\_Y

ClientSampleId :

MDL1

Tot Ion: 75 Resp: 8531

Ion Ratio Lower Upper

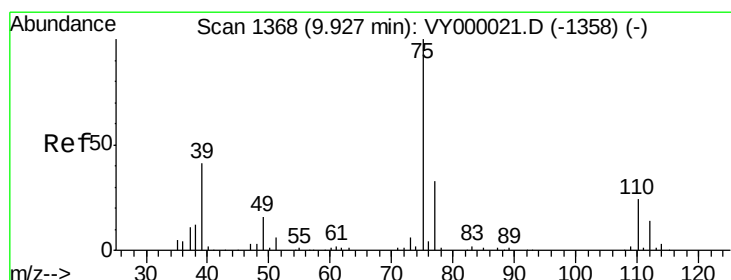
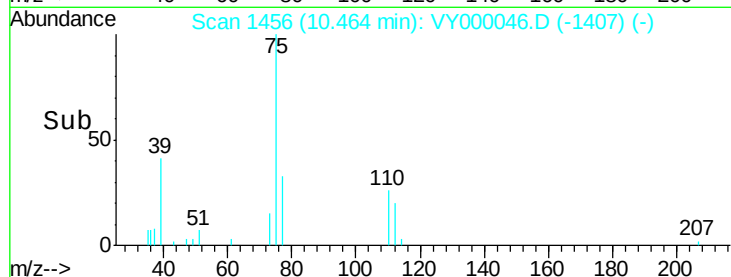
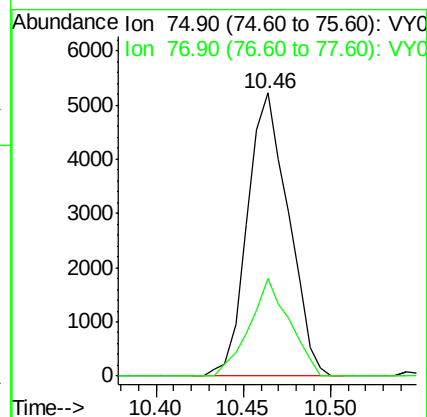
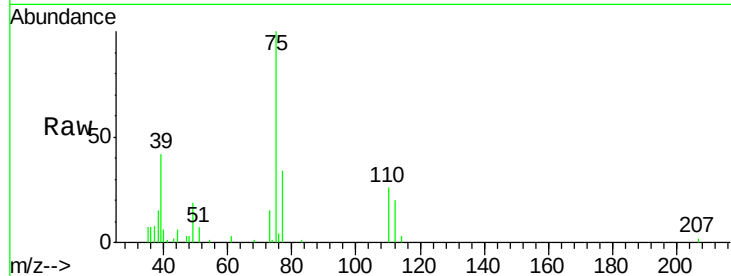
75 100

77 34.4 23.8 35.8

Manual Integrations  
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MMDadoda

9/20/2019 1:02:17 AM



#54

cis-1,3-Dichloropropene

Concen: 4.383 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

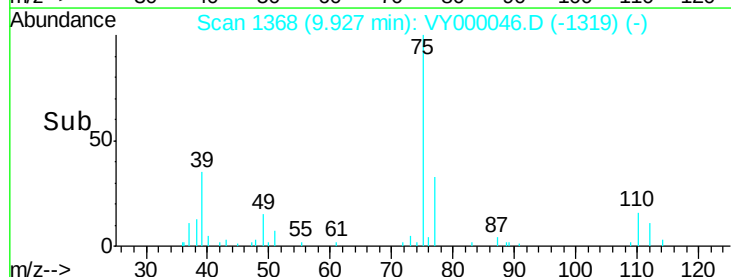
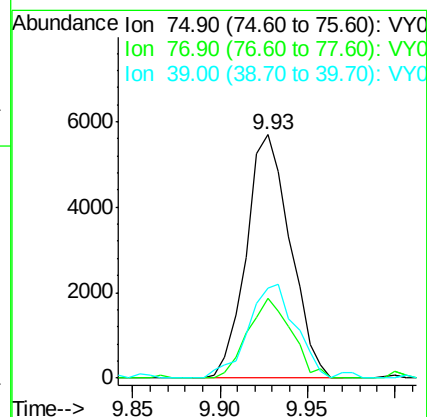
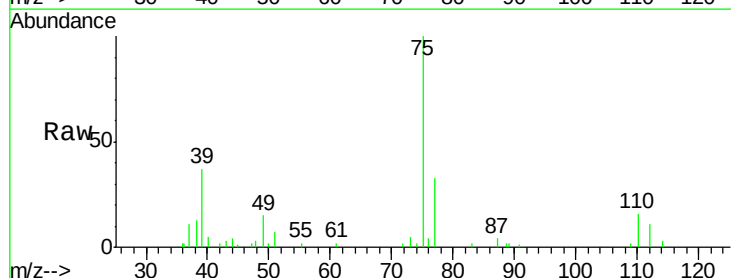
Tgt Ion: 75 Resp: 9942

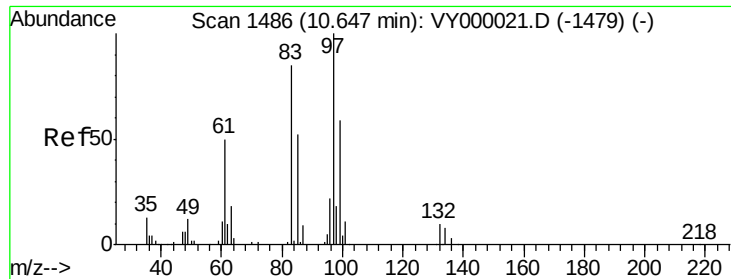
Ion Ratio Lower Upper

75 100

77 32.7 26.3 39.5

39 36.8 32.9 49.3





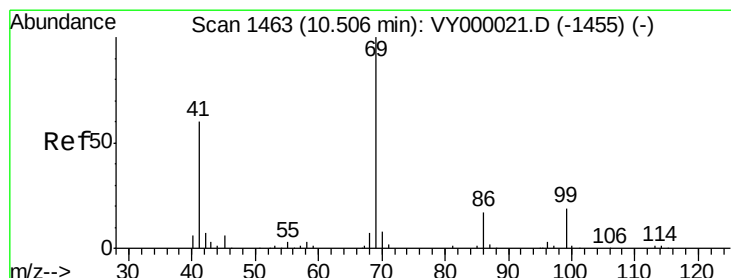
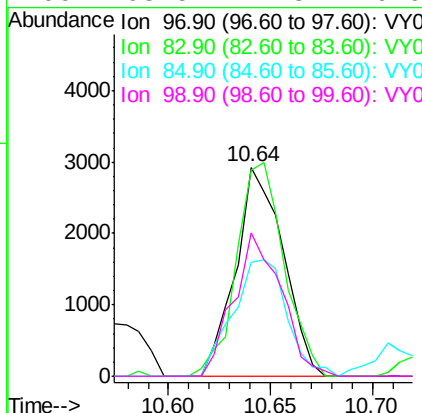
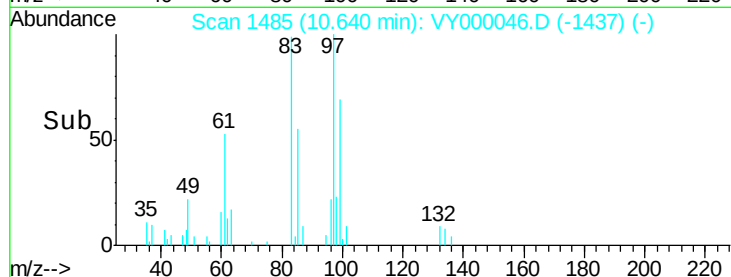
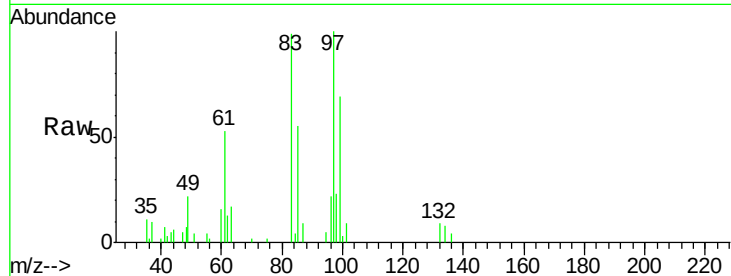
#55  
1,1,2-Trichloroethane  
Concen: 3.857 ug/l  
RT: 10.64 min Scan# 1485  
Delta R.T. -0.01 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

Instrument :  
MSVOA\_Y  
ClientSampled :  
MDL1

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 4748  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 98.6  | 68.2  | 102.2 |
| 85       | 54.6  | 41.7  | 62.5  |
| 99       | 68.5  | 47.3  | 70.9  |

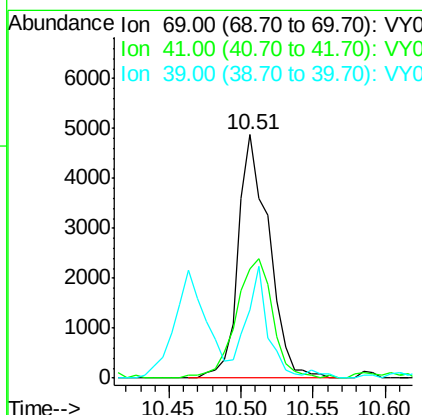
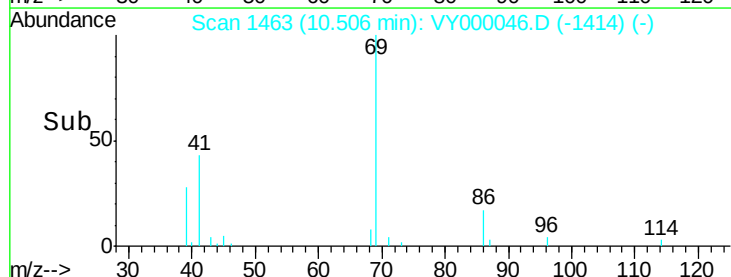
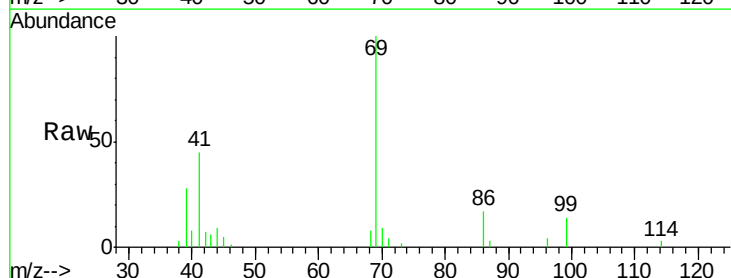
Manual Integrations  
APPROVED

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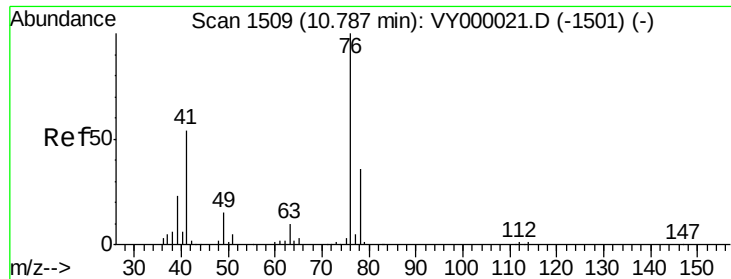


#56  
Ethyl methacrylate  
Concen: 4.178 ug/l  
RT: 10.51 min Scan# 1463  
Delta R.T. -0.00 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 7217  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 58.9  | 47.0  | 70.4  |
| 39       | 33.2  | 26.4  | 39.6  |







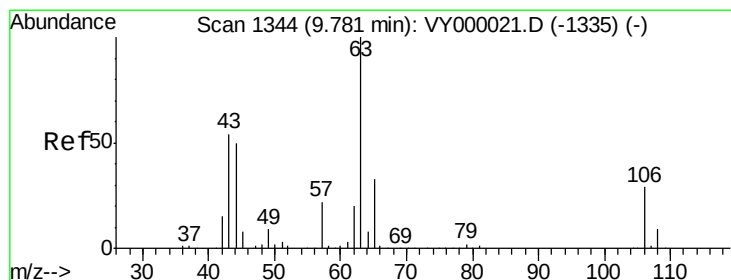
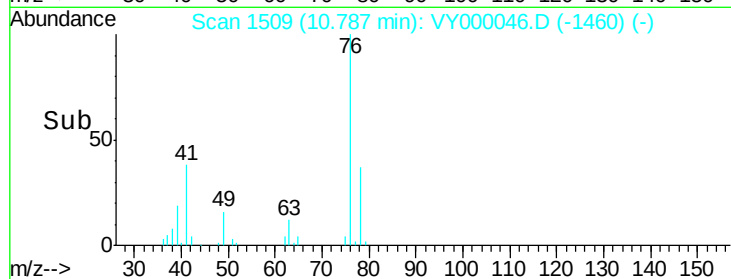
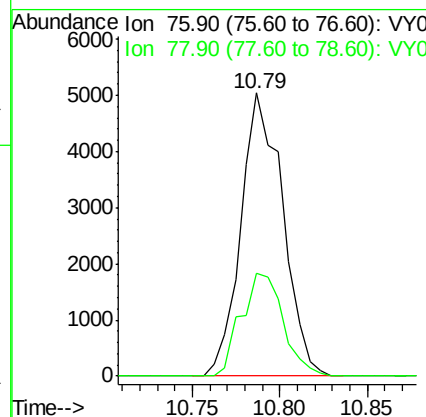
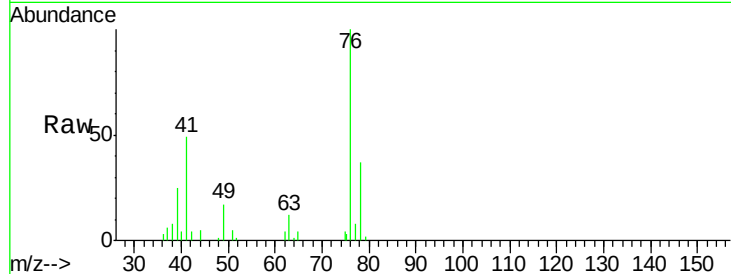
#57  
 1,3-Dichloropropane  
 Concen: 4.260 ug/l  
 RT: 10.79 min Scan# 1509  
 Delta R.T. -0.00 min  
 Lab File: VY000046.D  
 Acq: 16 Sep 2019 14:18

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MDL1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 36.4  | 26.0  | 39.0  |

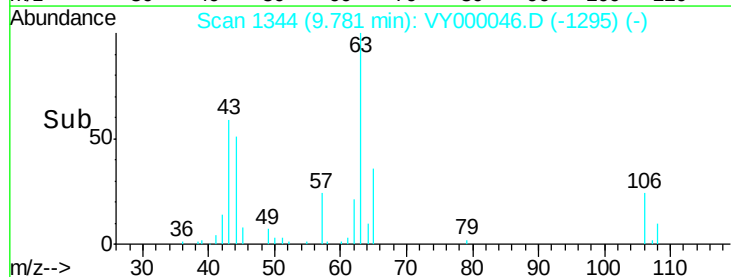
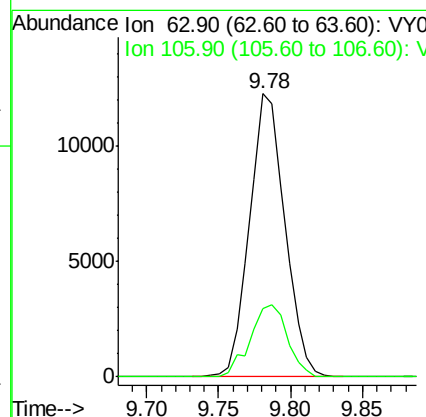
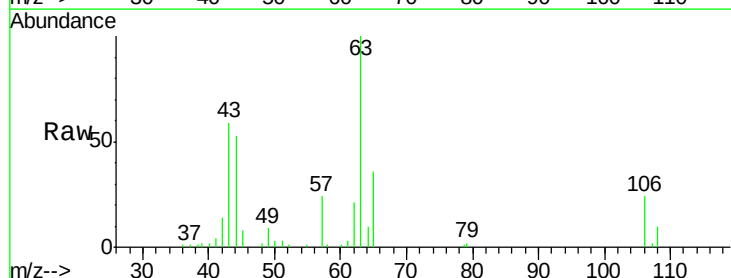
Manual Integrations  
 APPROVED

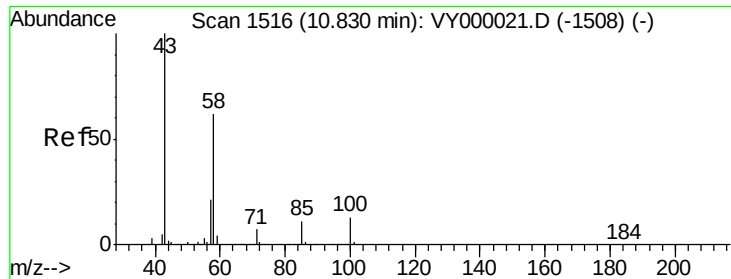
MMDadoda  
 9/20/2019 1:02:17 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 21.918 ug/l  
 RT: 9.78 min Scan# 1344  
 Delta R.T. -0.00 min  
 Lab File: VY000046.D  
 Acq: 16 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 26.8  | 23.7  | 35.5  |





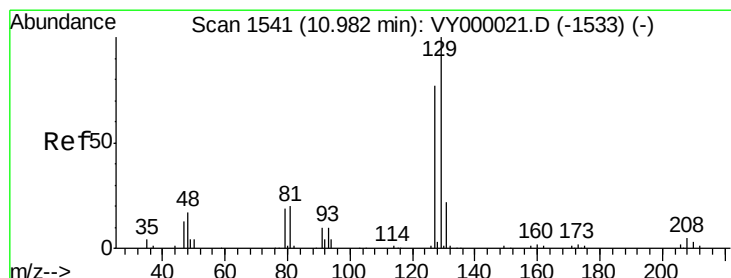
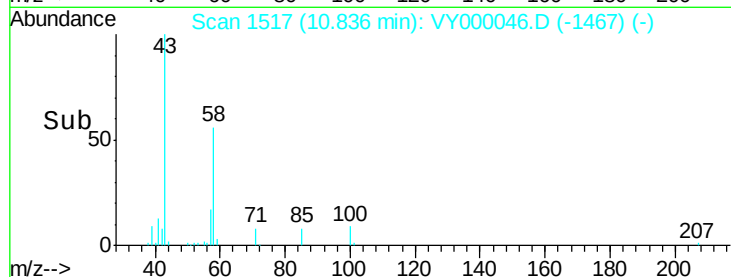
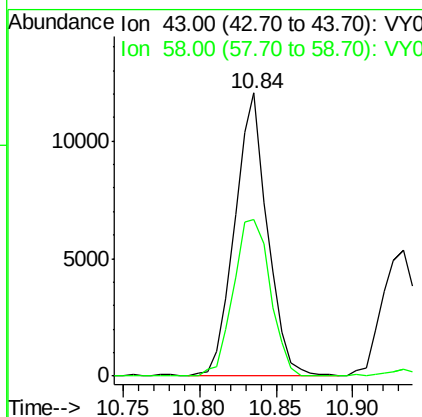
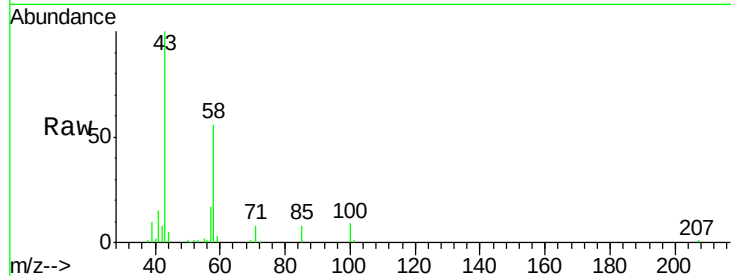
#59  
2-Hexanone  
Concen: 20.278 ug/l  
RT: 10.84 min Scan# 1517  
Delta R.T. 0.01 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

Instrument :  
MSVOA\_Y  
ClientSampled :  
MDL1

| Tot Ion   | 43 | Resp | 17838 |
|-----------|----|------|-------|
| Ion Ratio | 43 | 100  |       |
| Lower     | 58 | 62.4 | 30.3  |
| Upper     |    |      | 90.8  |

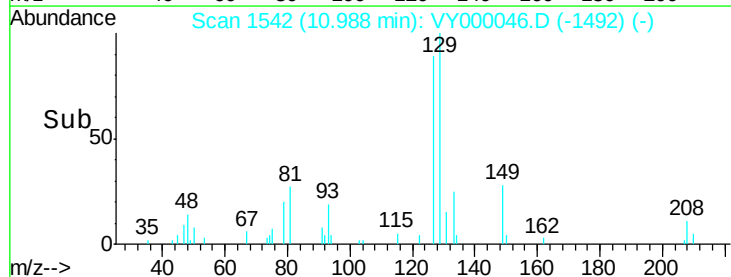
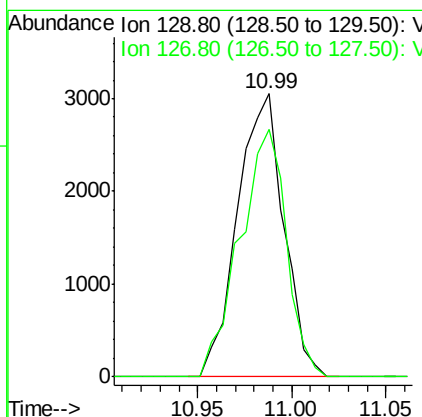
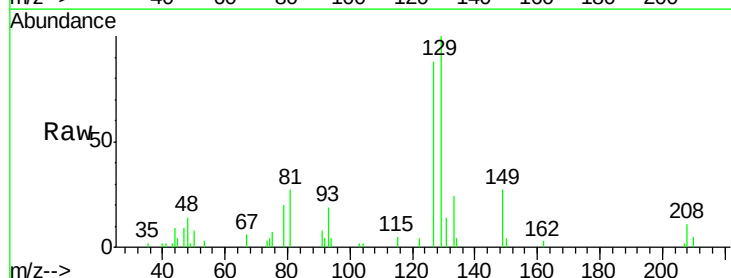
Manual Integrations  
APPROVED

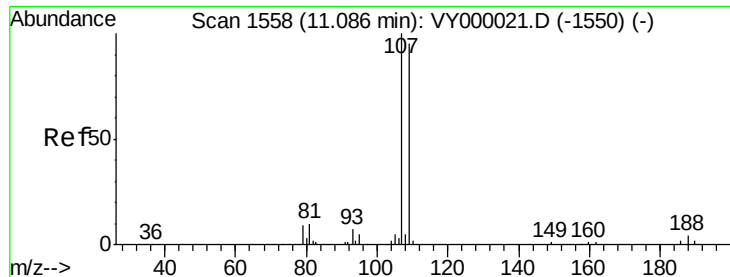
MMDadoda  
9/20/2019 1:02:17 AM



#60  
Dibromochloromethane  
Concen: 4.004 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. 0.01 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

| Tgt Ion   | 129 | Resp | 5193  |
|-----------|-----|------|-------|
| Ion Ratio | 129 | 100  |       |
| Lower     | 127 | 88.0 | 38.4  |
| Upper     |     |      | 115.2 |





#61

1,2-Dibromoethane

Concen: 4.332 ug/l

RT: 11.09 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

Instrument :

MSVOA\_Y

ClientSampled :

MDL1

Tot Ion: 107 Resp: 4710

Ion Ratio Lower Upper

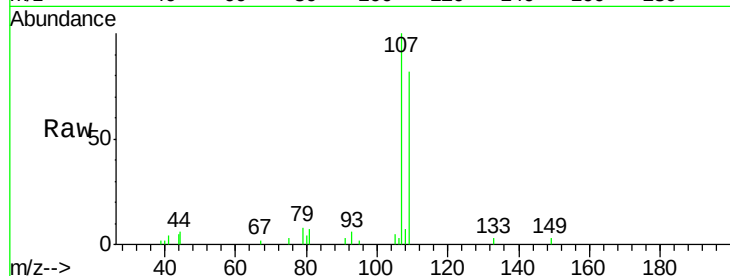
107 100

109 98.1 76.7 115.1

Manual Integrations  
APPROVED

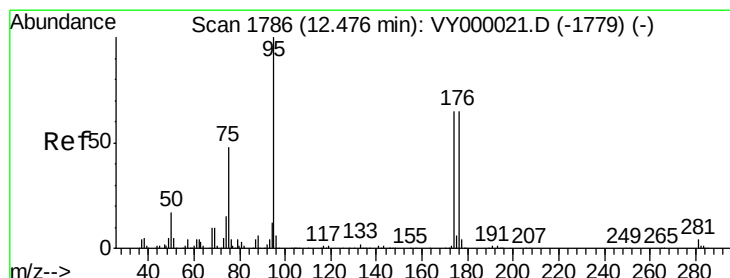
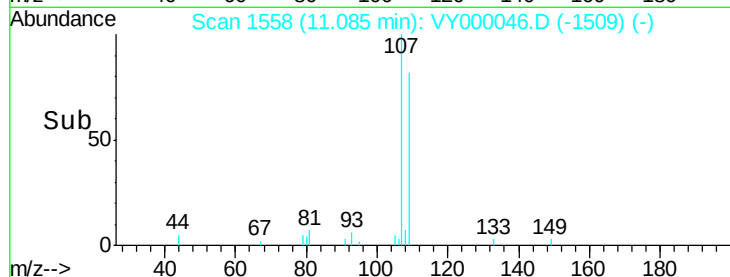
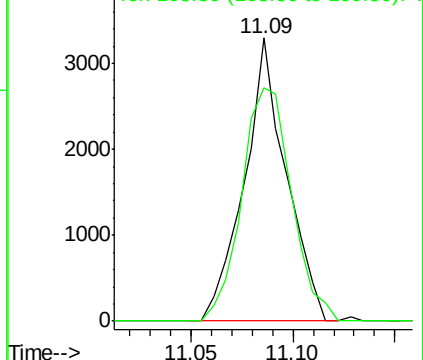
MMDadoda

9/20/2019 1:02:17 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.740 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

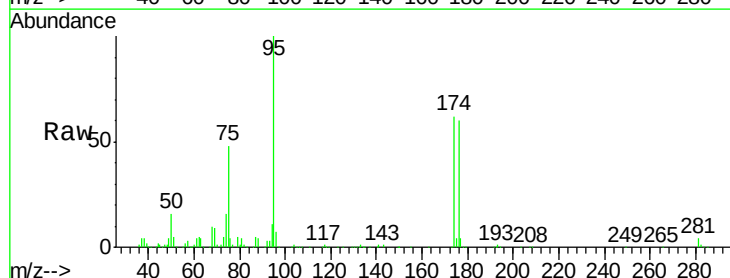
Tgt Ion: 95 Resp: 96726

Ion Ratio Lower Upper

95 100

174 65.0 0.0 137.6

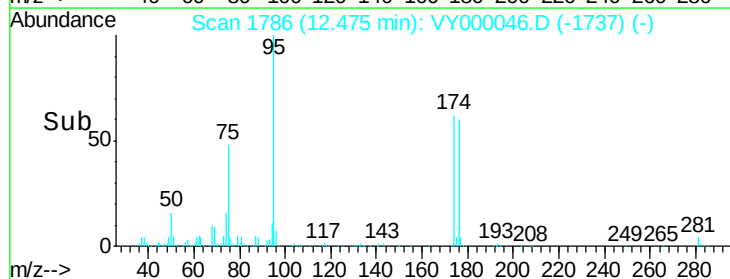
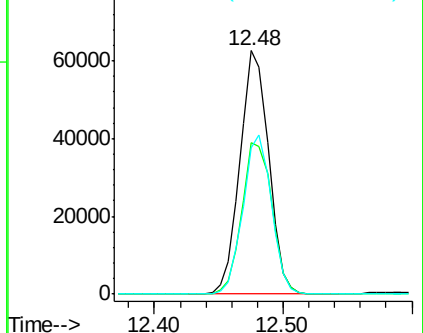
176 64.2 0.0 134.8

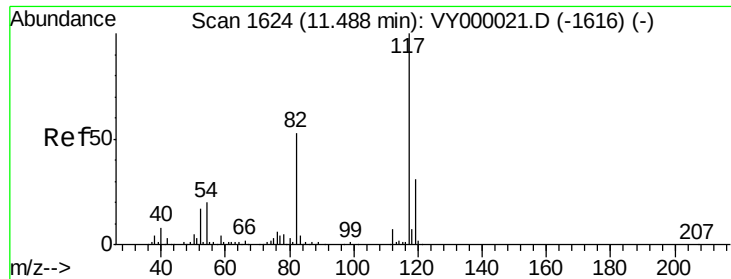


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





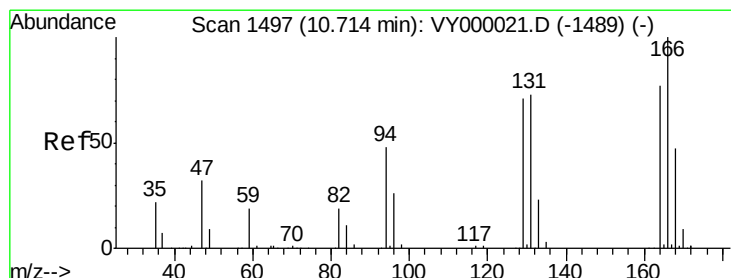
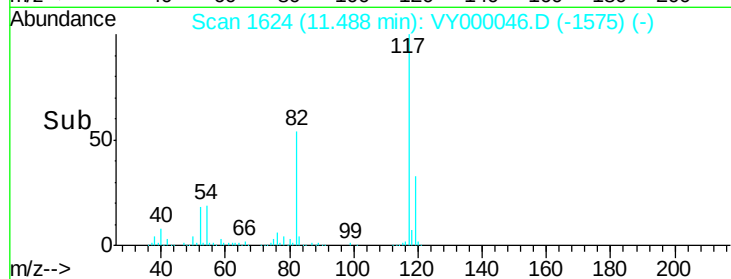
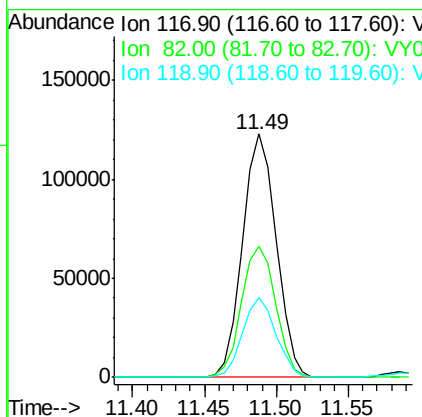
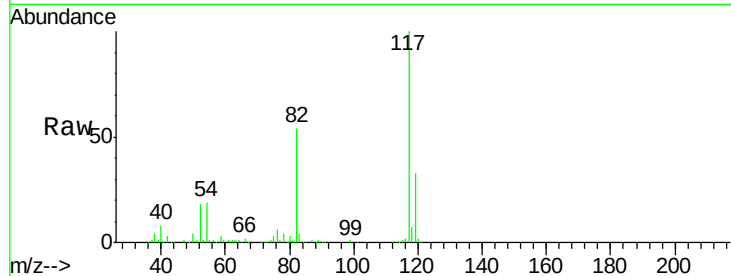
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1624  
Delta R.T. -0.00 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL1

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 198877 |       |       |
| 82      | 53.8  | 42.5   | 63.7  |       |
| 119     | 32.5  | 25.1   | 37.7  |       |

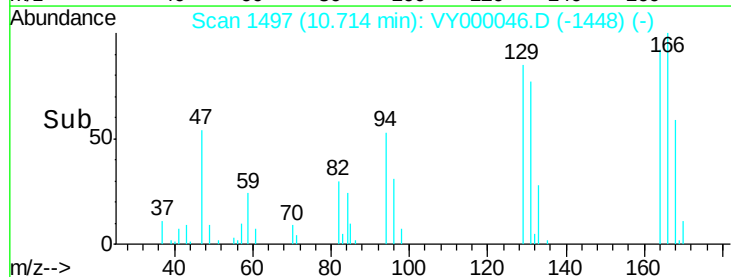
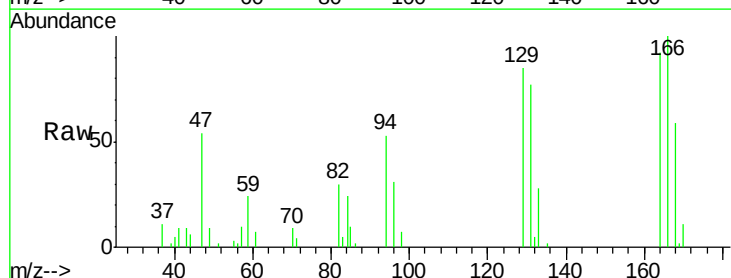
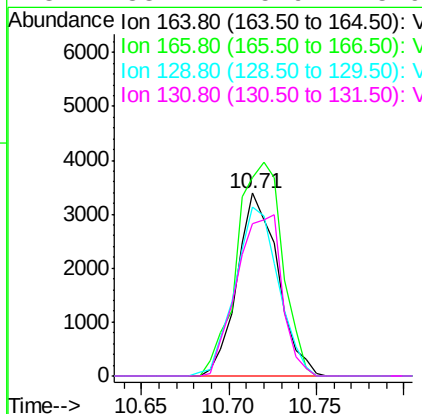
Manual Integrations  
APPROVED

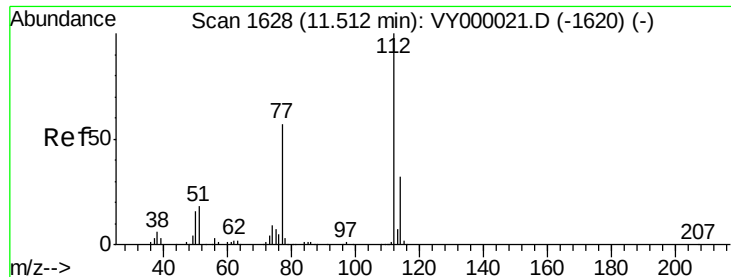
MMDadoda  
9/20/2019 1:02:17 AM



#64  
Tetrachloroethene  
Concen: 4.505 ug/l  
RT: 10.71 min Scan# 1497  
Delta R.T. -0.00 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 5494  |       |       |
| 166     | 108.3 | 103.4 | 155.0 |       |
| 129     | 92.2  | 73.4  | 110.0 |       |
| 131     | 83.4  | 75.9  | 113.9 |       |





#65

Chlorobenzene

Concen: 4.231 ug/l

RT: 11.51 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

Instrument :

MSVOA\_Y

ClientSampleId :

MDL1

Tot Ion:112 Resp: 16032

Ion Ratio Lower Upper

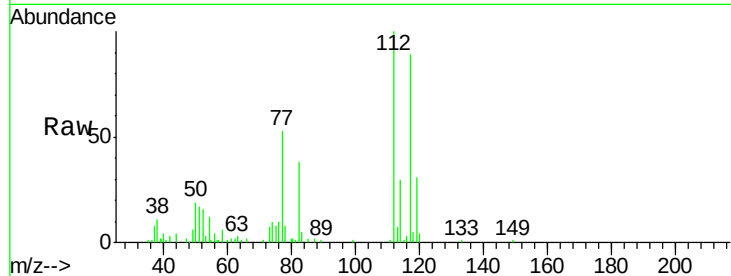
112 100

114 30.3 25.4 38.2

Manual Integrations  
APPROVED

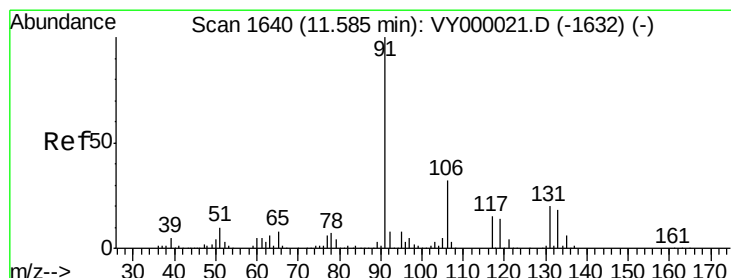
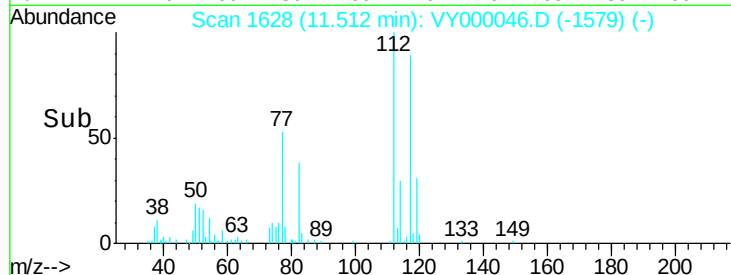
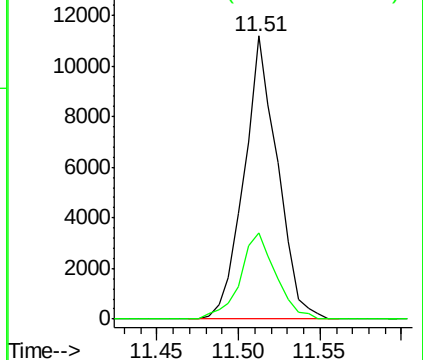
MMDadoda

9/20/2019 1:02:17 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.150 ug/l

RT: 11.59 min Scan# 1640

Delta R.T. -0.00 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

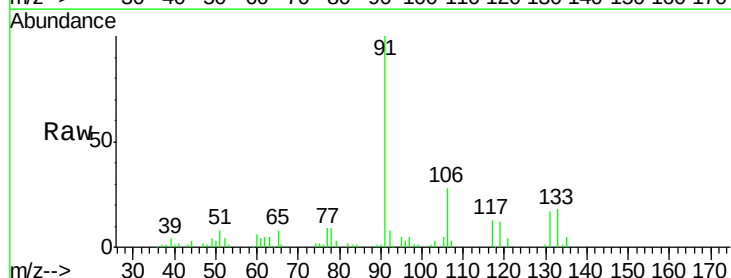
Tgt Ion:131 Resp: 5449

Ion Ratio Lower Upper

131 100

133 95.2 47.2 141.6

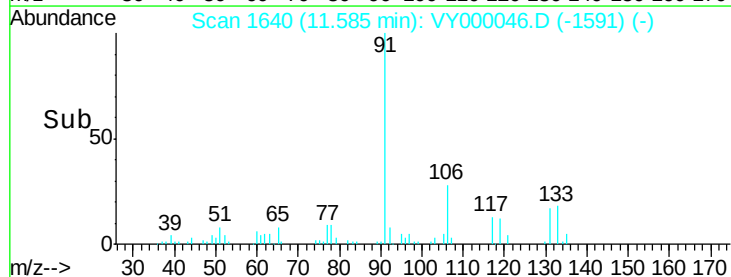
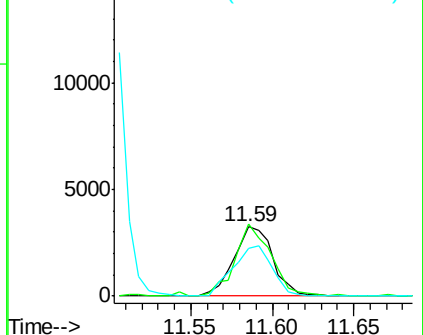
119 72.9 35.4 106.3

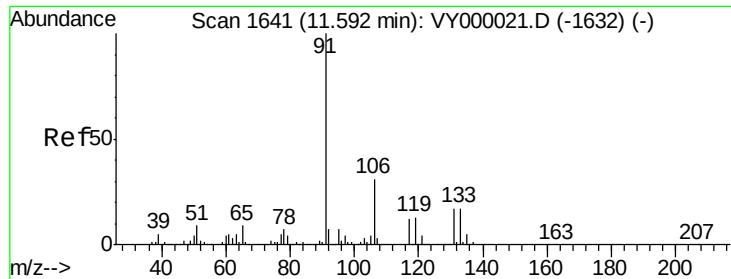


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





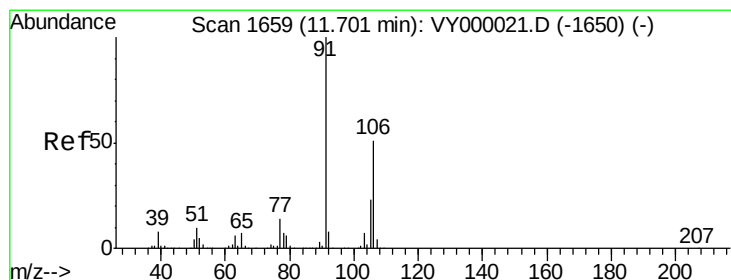
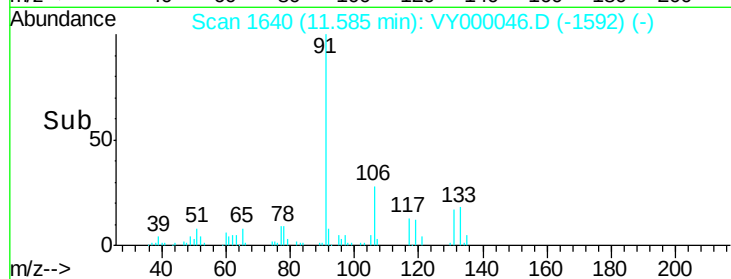
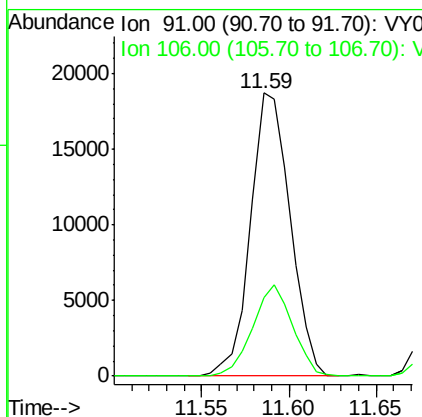
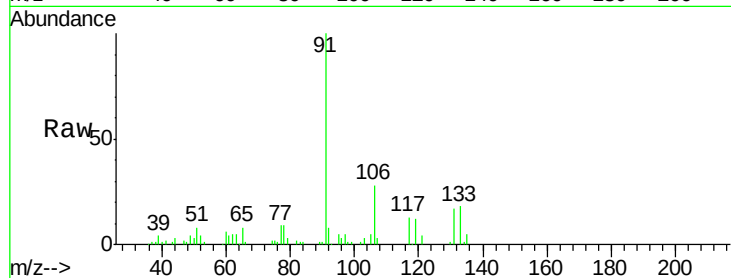
#67  
Ethyl Benzene  
Concen: 4.286 ug/l  
RT: 11.59 min Scan# 1640  
Delta R.T. -0.01 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL1

Tot Ion: 91 Resp: 29504  
Ion Ratio Lower Upper  
91 100  
106 27.7 24.6 37.0

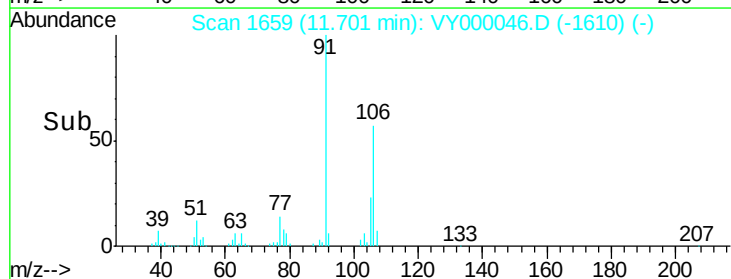
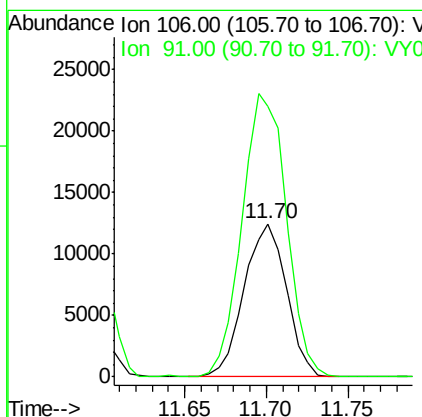
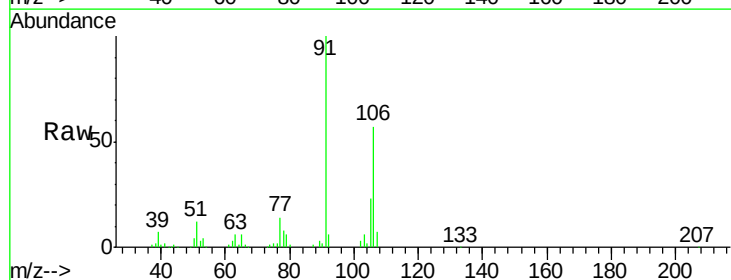
Manual Integrations  
APPROVED

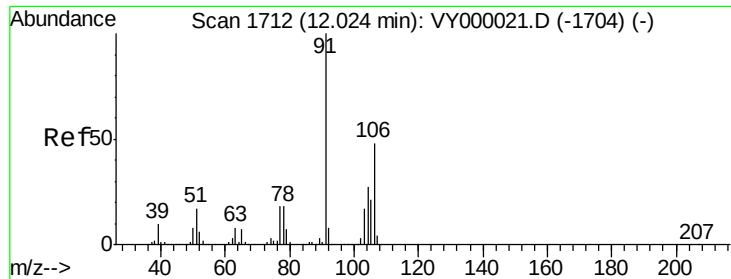
MMDadoda  
9/20/2019 1:02:17 AM



#68  
m/p-Xylenes  
Concen: 8.679 ug/l  
RT: 11.70 min Scan# 1659  
Delta R.T. -0.00 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

Tgt Ion: 106 Resp: 22546  
Ion Ratio Lower Upper  
106 100  
91 193.1 158.5 237.7





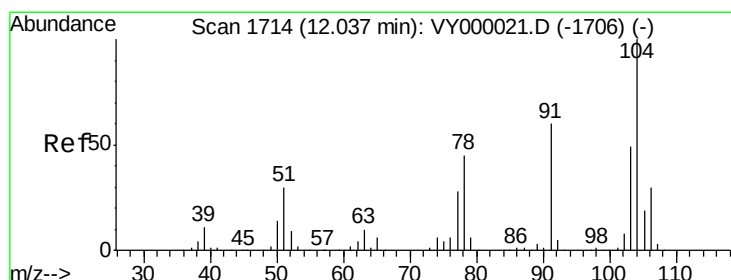
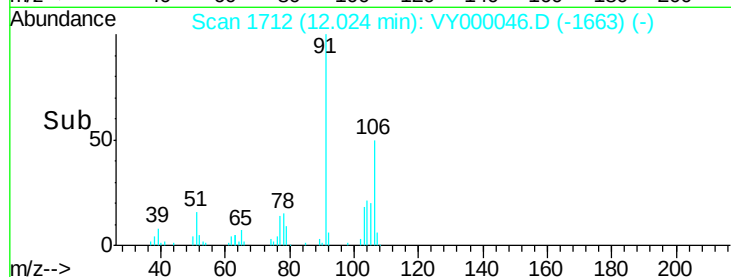
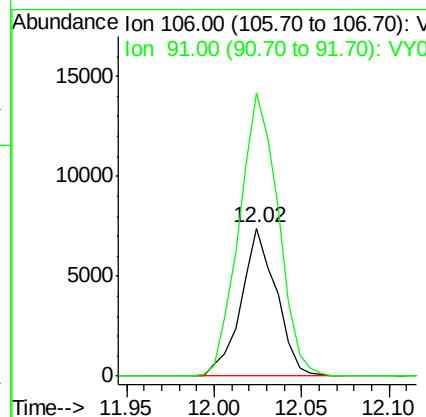
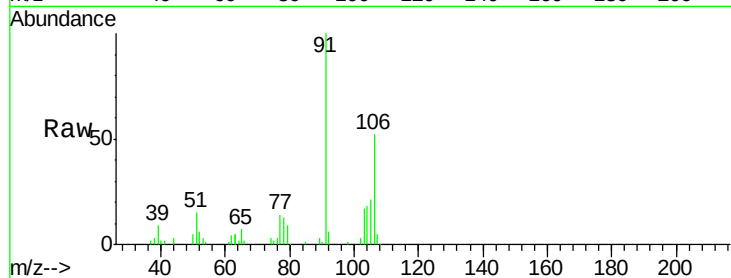
#69  
o-Xylene  
Concen: 4.093 ug/l  
RT: 12.02 min Scan# 1712  
Delta R.T. -0.00 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

Instrument :  
MSVOA\_Y  
ClientSampled :  
MDL1

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |       |
| 91      | 211.5 | 104.0 | 312.0 |       |       |

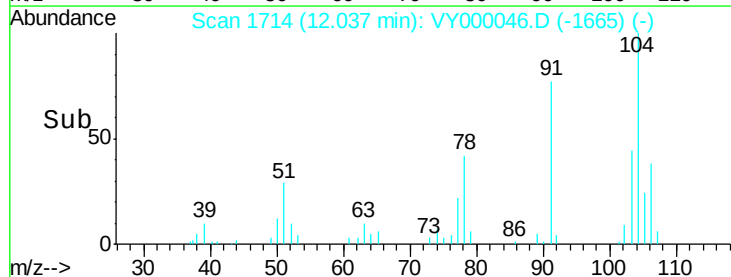
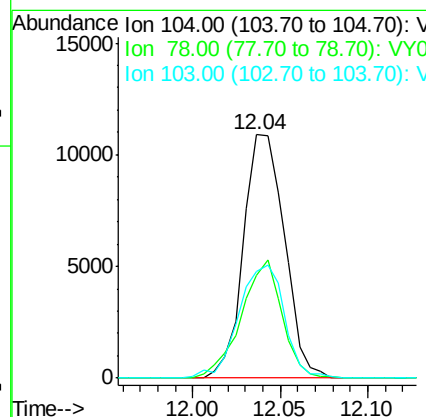
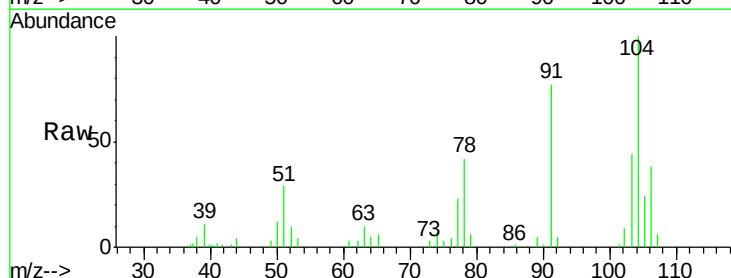
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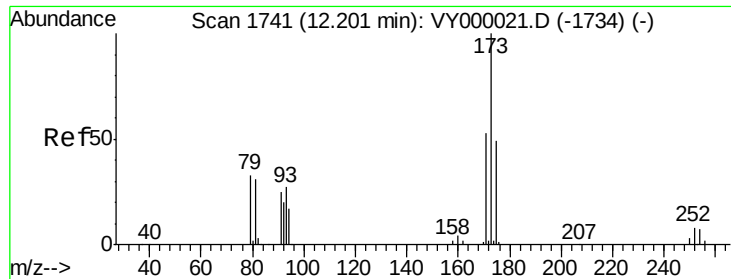
MMDadoda  
9/20/2019 1:02:17 AM



#70  
Styrene  
Concen: 4.033 ug/l  
RT: 12.04 min Scan# 1714  
Delta R.T. -0.00 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 104     | 100  |       |      |       |       |
| 78      | 48.0 | 38.0  | 57.0 |       |       |
| 103     | 51.6 | 42.4  | 63.6 |       |       |





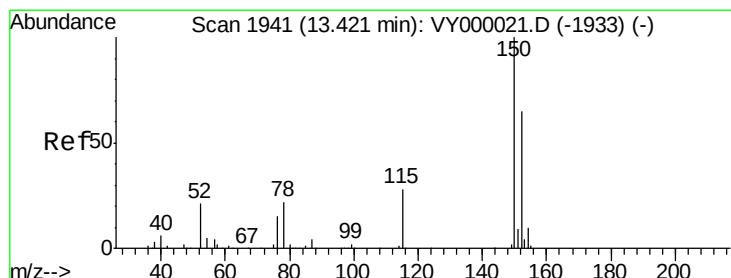
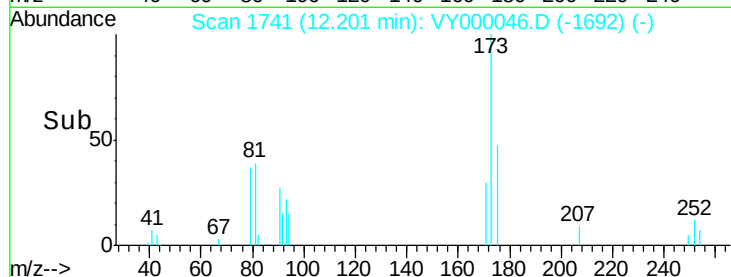
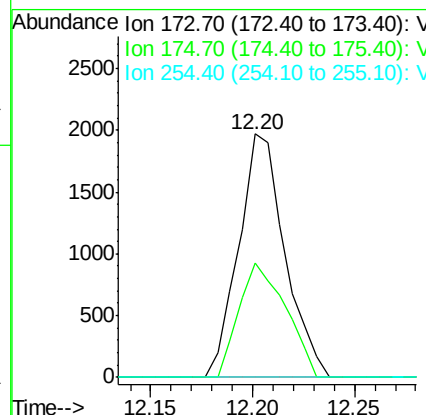
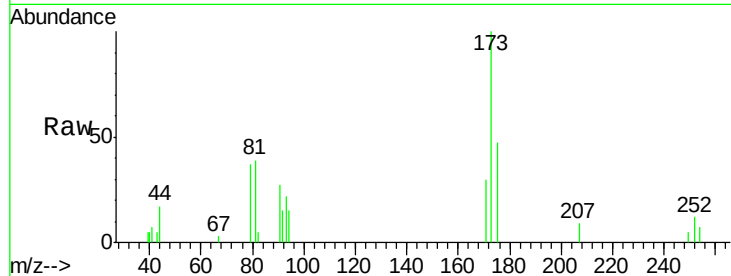
#71  
Bromoform  
Concen: 3.908 ug/l  
RT: 12.20 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

Instrument :  
MSVOA\_Y  
ClientSampled :  
MDL1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.3  | 25.1  | 75.4  |
| 254     | 0.0   | 0.0   | 0.0   |

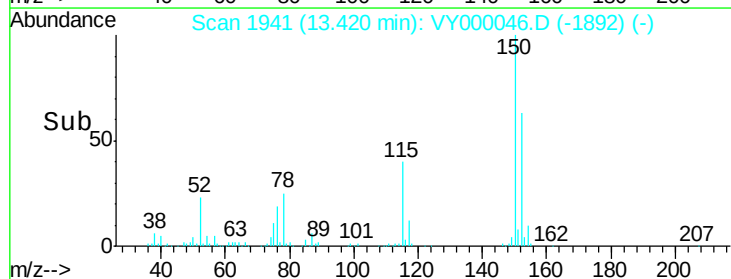
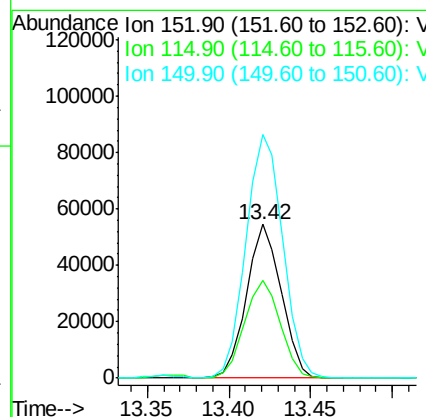
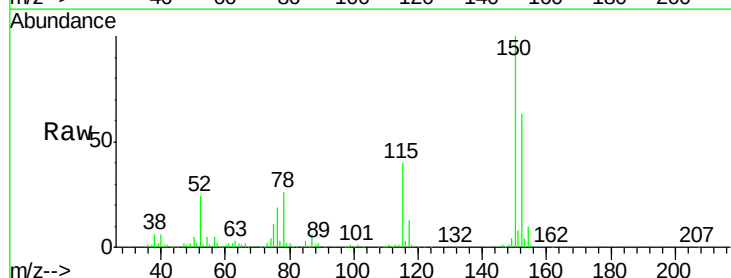
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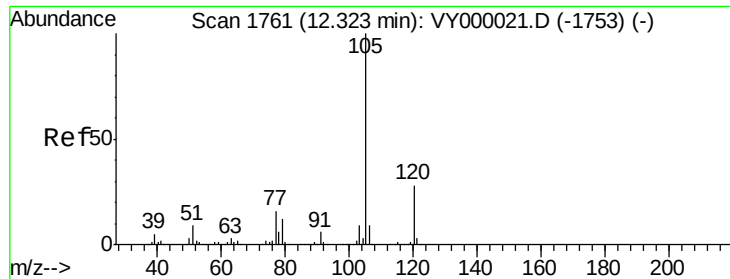


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1941  
Delta R.T. -0.00 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 65.7  | 29.4  | 88.2  |
| 150     | 167.7 | 0.0   | 349.0 |







#73

Isopropylbenzene

Concen: 4.435 ug/l

RT: 12.33 min Scan# 1762

Delta R.T. 0.01 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

Instrument :

MSVOA\_Y

ClientSampleId :

MDL1

Tot Ion:105 Resp: 27457

Ion Ratio Lower Upper

105 100

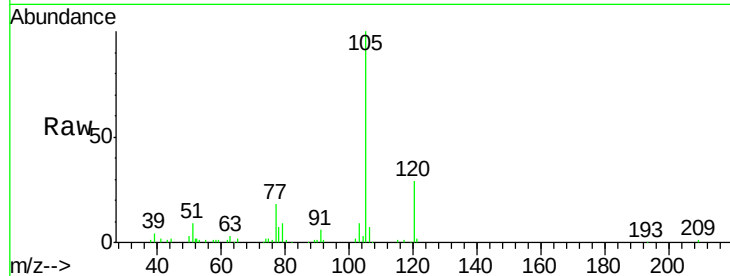
120 28.1 13.9 41.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

20000

15000

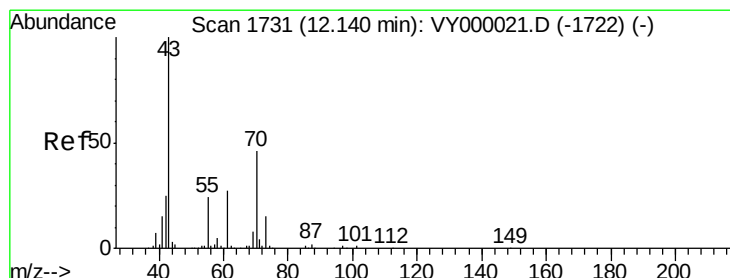
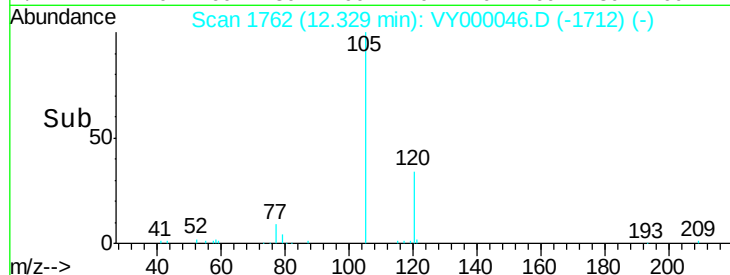
10000

5000

0

Time-->

12.25 12.30 12.35 12.40



#74

N-ethyl acetate

Concen: 4.164 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

Tgt Ion: 43 Resp: 7610

Ion Ratio Lower Upper

43 100

70 47.7 38.1 57.1

55 25.6 18.7 28.1

61 28.3 22.1 33.1

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

8000

6000

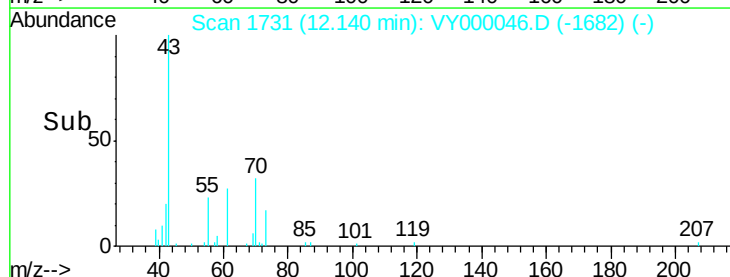
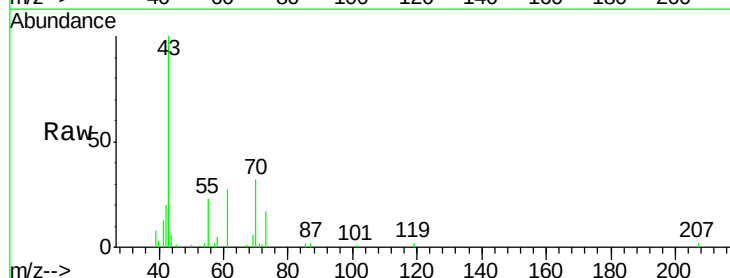
4000

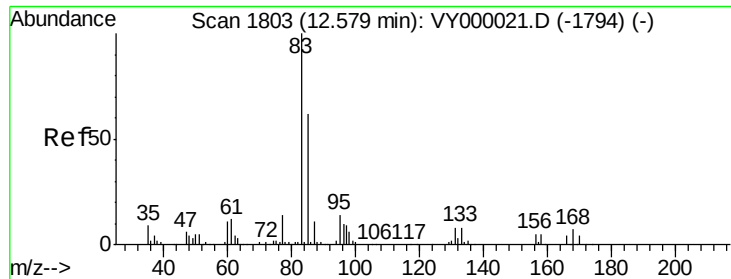
2000

0

Time-->

12.05 12.10 12.15 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 4.747 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

Instrument :

MSVOA\_Y

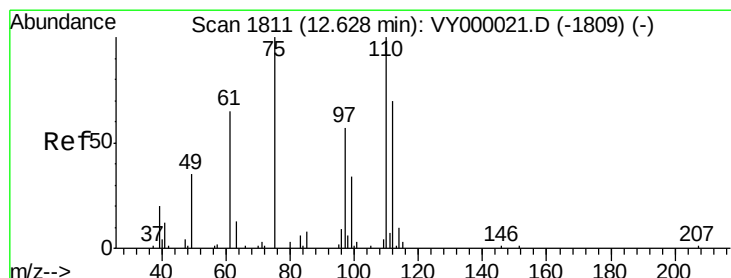
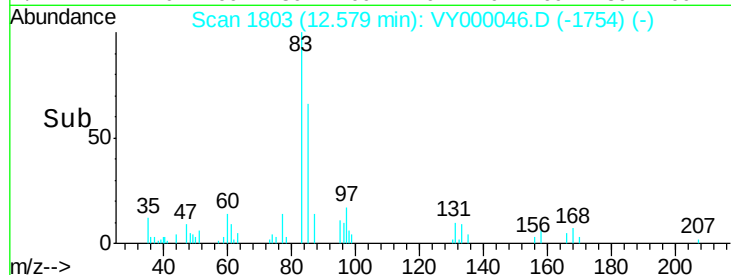
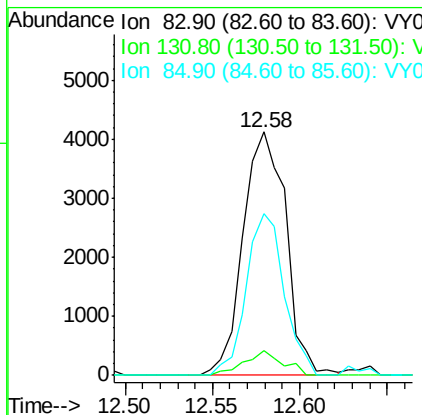
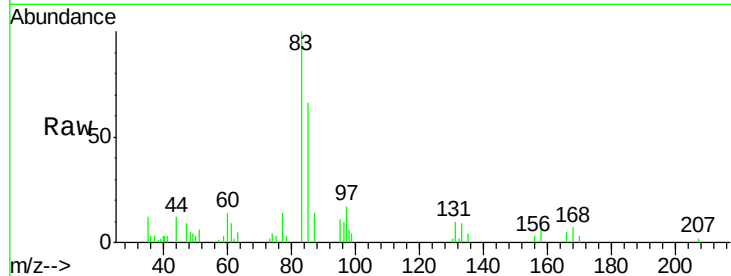
ClientSampled :

MDL1

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 7026  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 9.0   | 4.6   | 13.8  |
| 85       | 58.7  | 31.8  | 95.3  |

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#76

1,2,3-Trichloropropane

Concen: 4.987 ug/l m

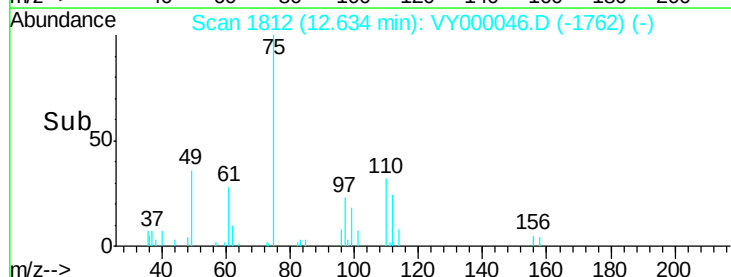
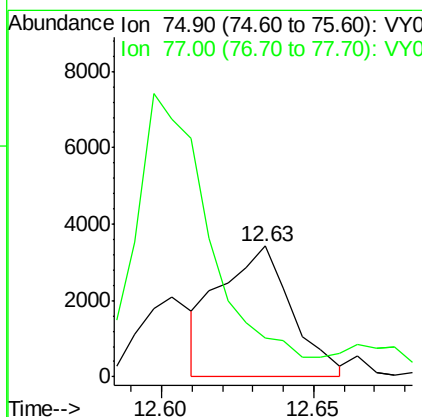
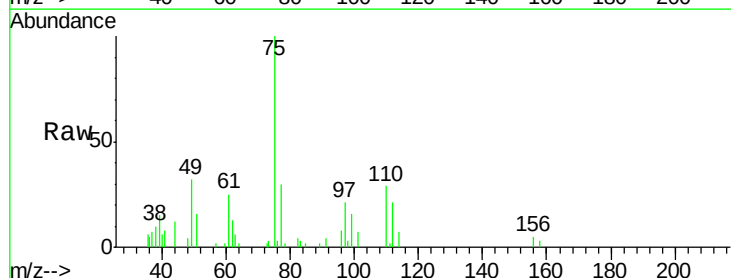
RT: 12.63 min Scan# 1812

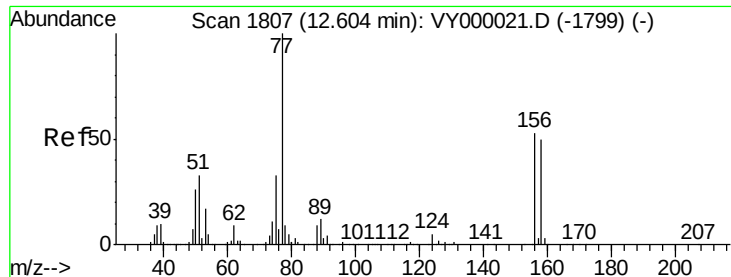
Delta R.T. 0.01 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 5612  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 0.0   | 0.0   | 0.0   |





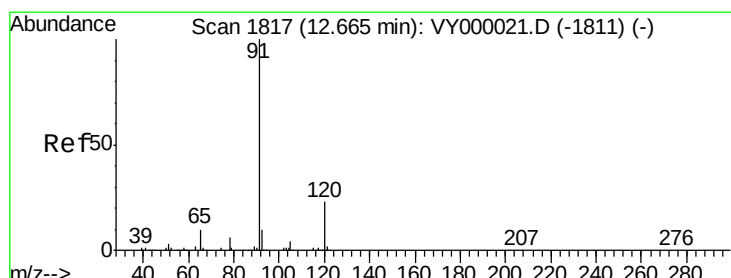
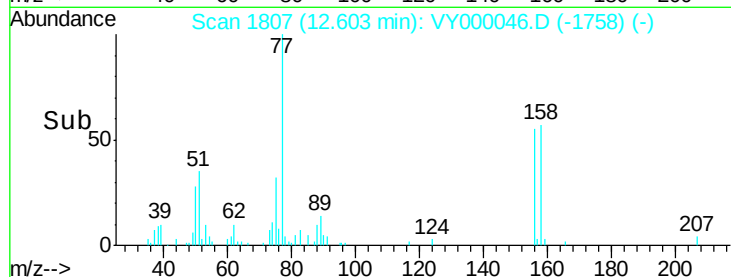
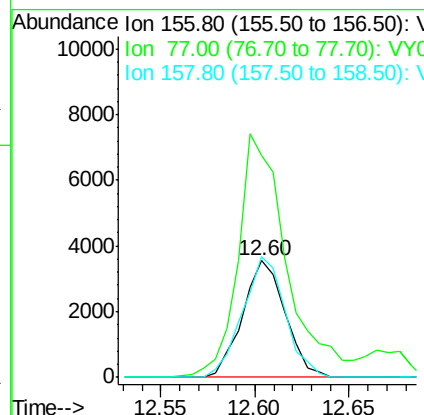
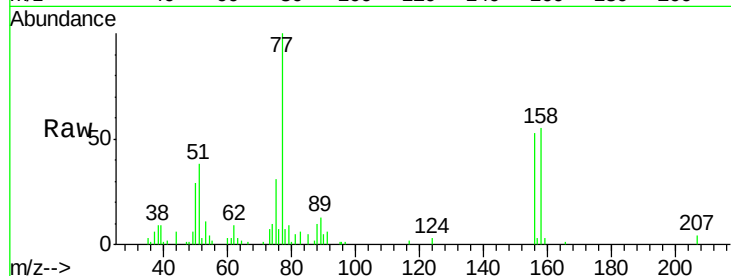
#77  
Bromobenzene  
Concen: 4.242 ug/l  
RT: 12.60 min Scan# 1807  
Delta R.T. -0.00 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

Instrument :  
MSVOA\_Y  
ClientSampled :  
MDL1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 240.2 | 106.0 | 317.9 |
| 158     | 103.7 | 47.3  | 141.9 |

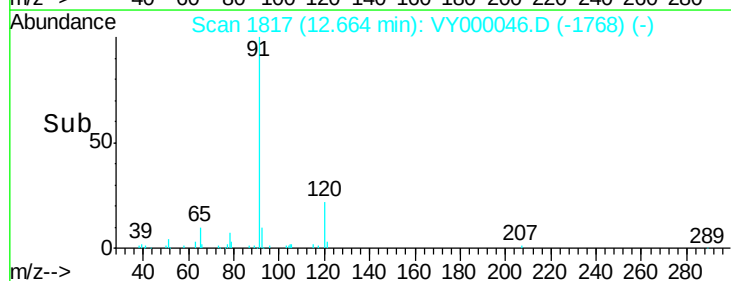
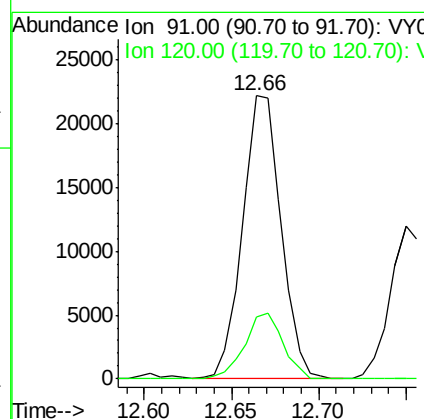
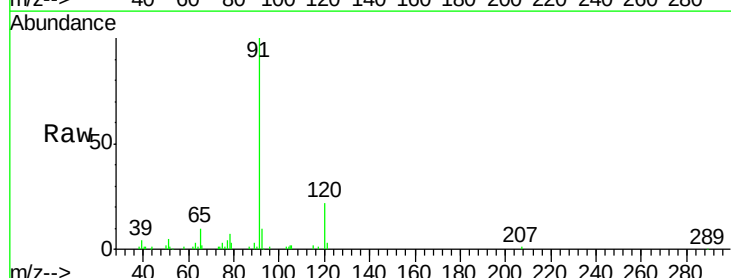
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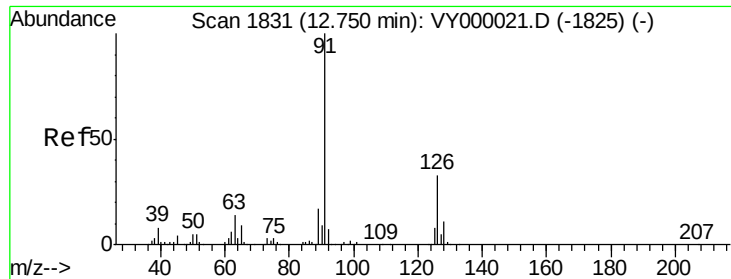
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#78  
n-propylbenzene  
Concen: 4.479 ug/l  
RT: 12.66 min Scan# 1817  
Delta R.T. -0.00 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.1  | 11.6  | 34.7  |





#79

2-Chlorotoluene

Concen: 4.430 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

Instrument :

MSVOA\_Y

ClientSampleId :

MDL1

Tot Ion: 91 Resp: 18740

Ion Ratio Lower Upper

91 100

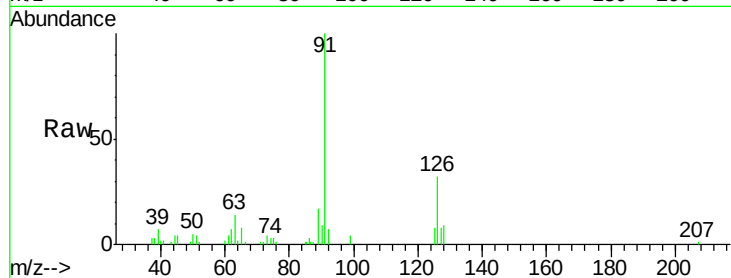
126 33.8 16.9 50.7

Manual Integrations

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MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VY000046.D (-1782) (-)

Ion 125.90 (125.60 to 126.60): VY000046.D (-1782) (-)

12.75

12.75

12.75

12.75

12.75

12.75

12.75

12.75

12.75

12.75

12.75

12.75

12.75

12.75

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12.75

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12.75

12.75

12.75

12.75

12.75

12.75

12.75

12.75

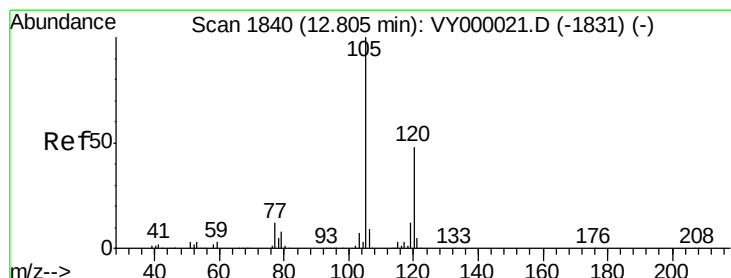
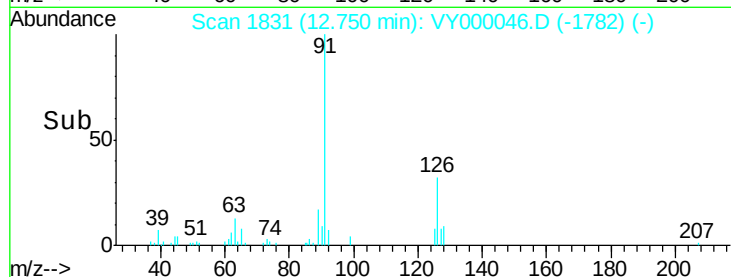
12.75

12.75

12.75

12.75

12.75



#80

1,3,5-Trimethylbenzene

Concen: 4.377 ug/l

RT: 12.80 min Scan# 1840

Delta R.T. -0.00 min

Lab File: VY000046.D

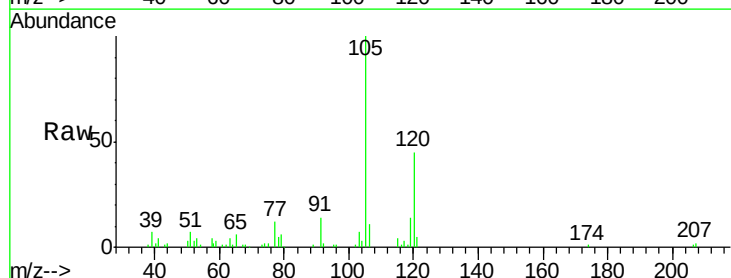
Acq: 16 Sep 2019 14:18

Tgt Ion:105 Resp: 22628

Ion Ratio Lower Upper

105 100

120 50.9 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VY000046.D (-1791) (-)

Ion 120.00 (119.70 to 120.70): VY000046.D (-1791) (-)

12.80

12.80

12.80

12.80

12.80

12.80

12.80

12.80

12.80

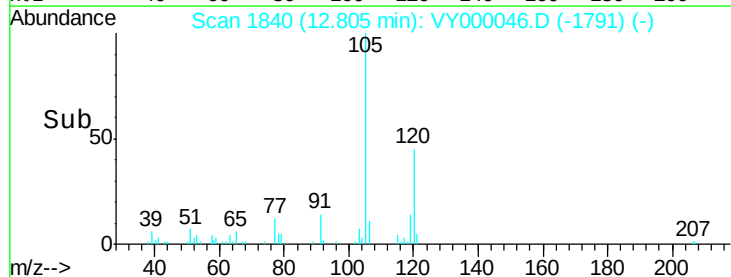
12.80

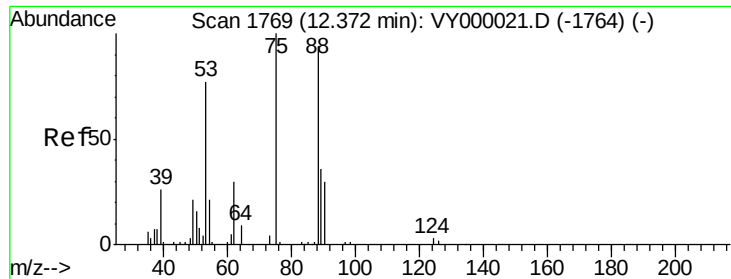
12.80

12.80

12.80

12.80





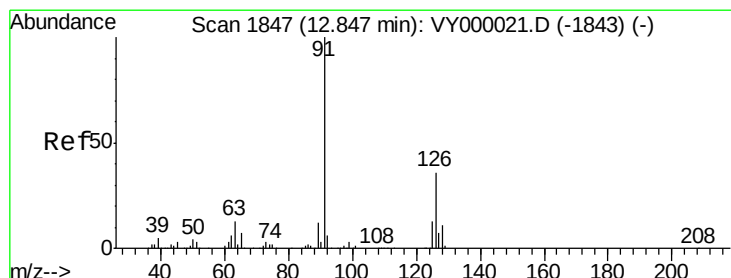
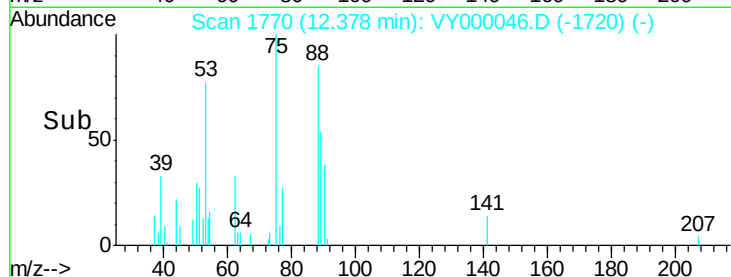
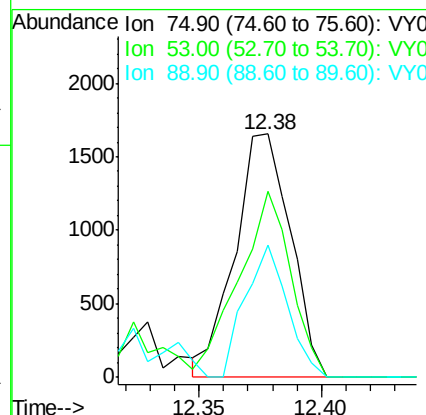
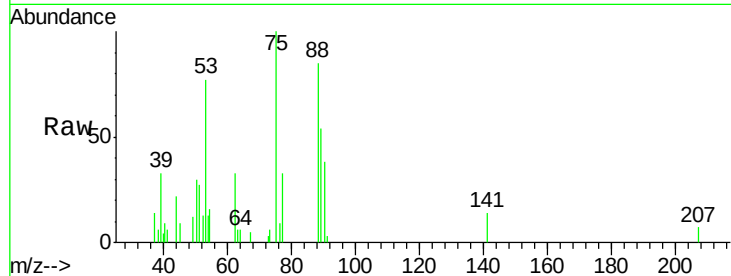
#81  
trans-1,4-Dichloro-2-butene  
Concen: 4.623 ug/l  
RT: 12.38 min Scan# 1770  
Delta R.T. 0.01 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 71.6  | 64.2  | 96.2  |
| 89      | 41.4  | 35.5  | 53.3  |

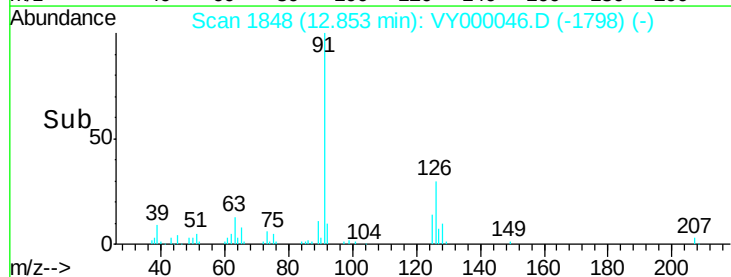
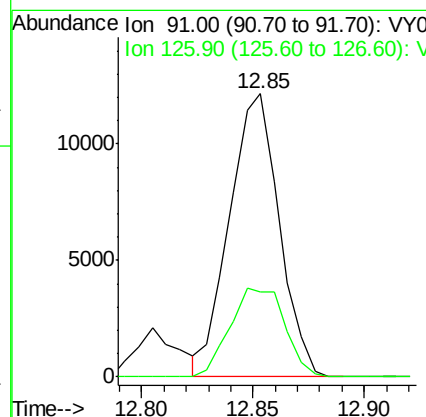
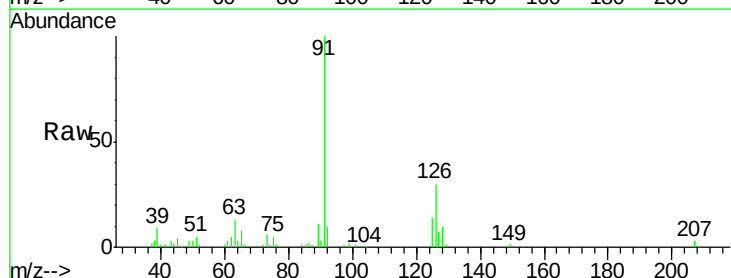
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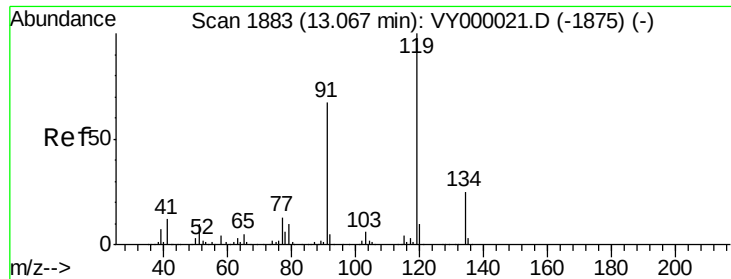
MMDadoda  
9/20/2019 1:02:17 AM



#82  
4-Chlorotoluene  
Concen: 4.249 ug/l  
RT: 12.85 min Scan# 1848  
Delta R.T. 0.01 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.6  | 17.2  | 51.5  |





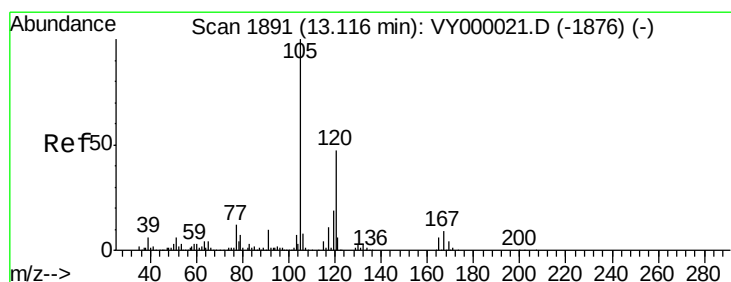
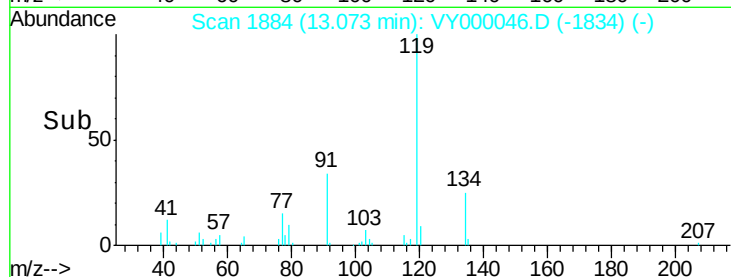
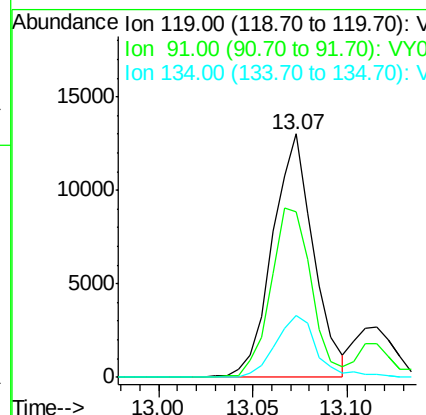
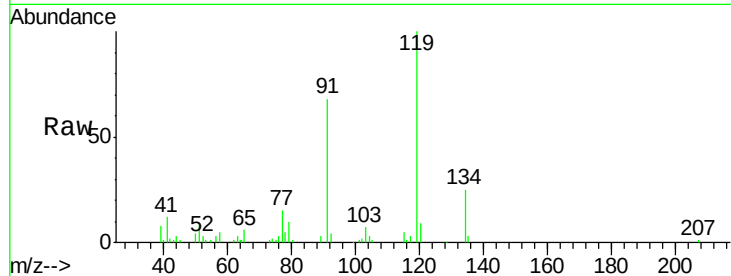
#83  
 tert-Butylbenzene  
 Concen: 4.404 ug/l  
 RT: 13.07 min Scan# 1884  
 Delta R.T. 0.01 min  
 Lab File: VY000046.D  
 Acq: 16 Sep 2019 14:18

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MDL1

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 119     | 100   | 19561 |       |       |
| 91      | 69.2  | 33.1  | 99.5  |       |
| 134     | 25.8  | 13.5  | 40.5  |       |

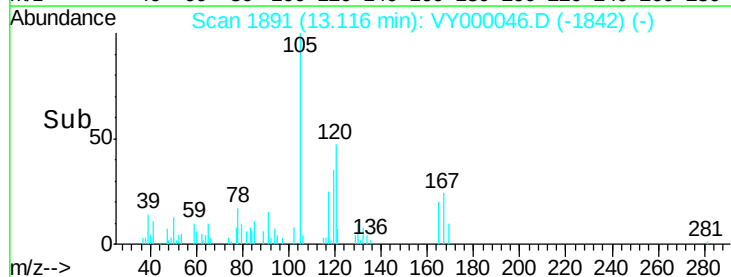
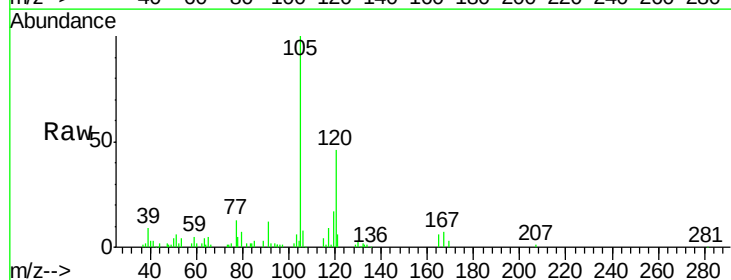
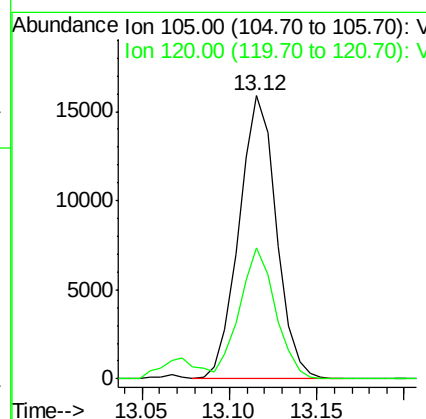
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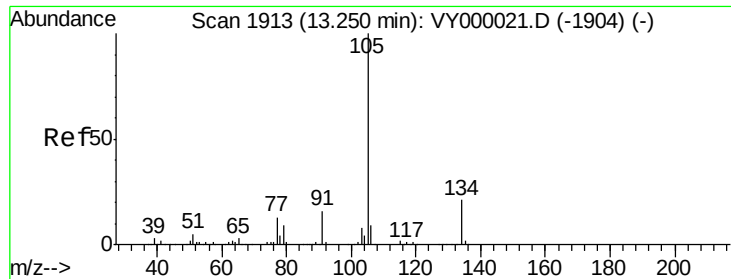
MMDadoda  
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 4.615 ug/l  
 RT: 13.12 min Scan# 1891  
 Delta R.T. -0.00 min  
 Lab File: VY000046.D  
 Acq: 16 Sep 2019 14:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 105     | 100   | 23565 |       |       |
| 120     | 44.4  | 23.1  | 69.3  |       |





#85

sec-Butylbenzene

Concen: 4.464 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

Instrument :

MSVOA\_Y

ClientSampleId :

MDL1

Tot Ion:105 Resp: 29258

Ion Ratio Lower Upper

105 100

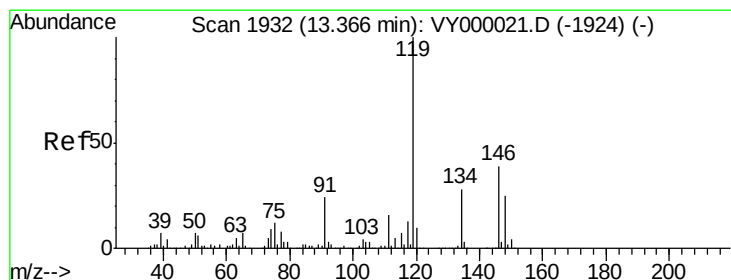
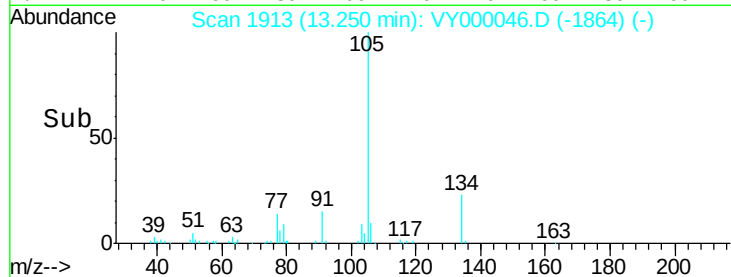
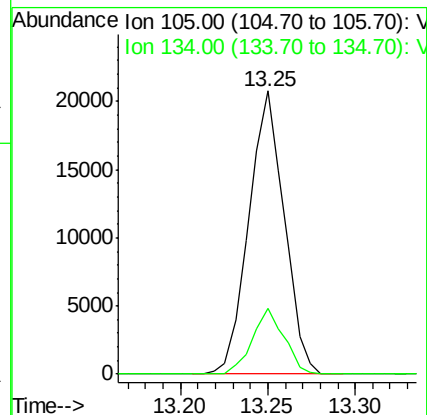
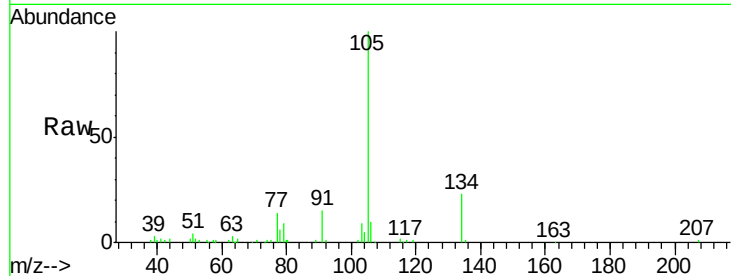
134 20.7 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 4.342 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000046.D

Acq: 16 Sep 2019 14:18

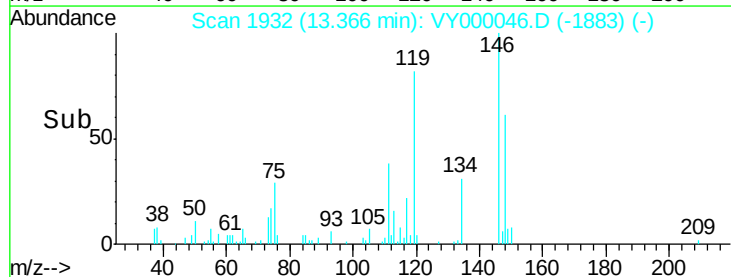
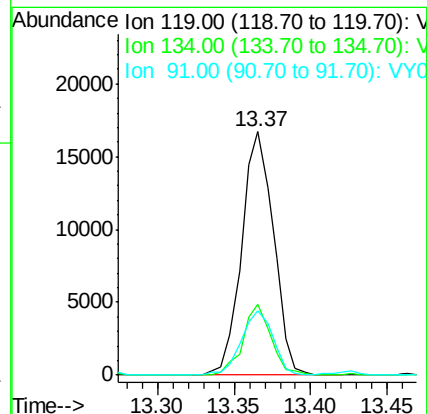
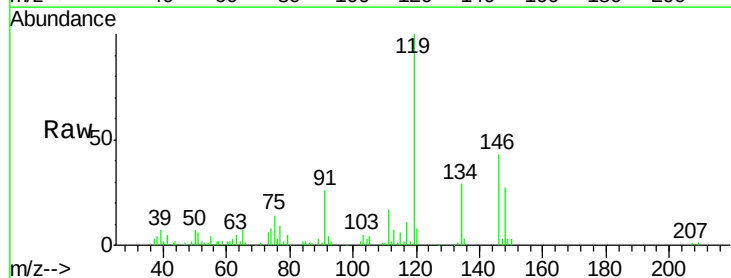
Tgt Ion:119 Resp: 24146

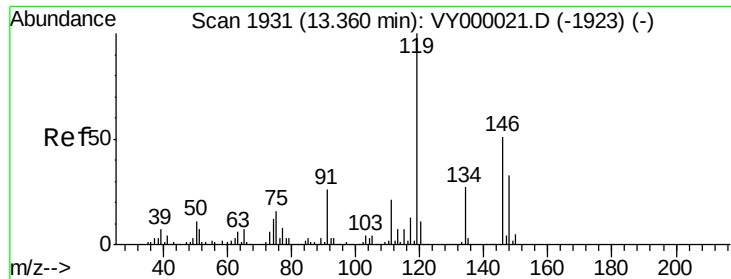
Ion Ratio Lower Upper

119 100

134 25.5 13.8 41.3

91 26.2 12.4 37.2





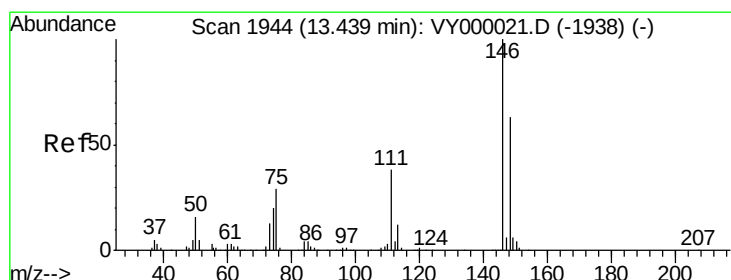
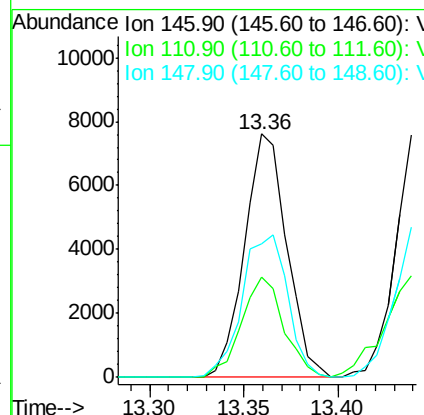
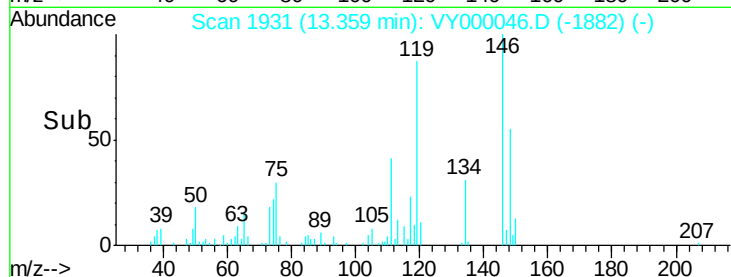
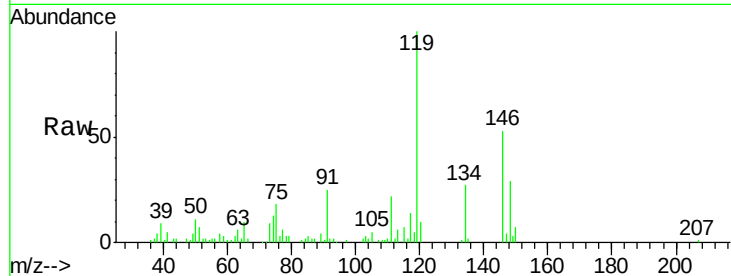
#87  
 1,3-Dichlorobenzene  
 Concen: 4.484 ug/l  
 RT: 13.36 min Scan# 1931  
 Delta R.T. -0.00 min  
 Lab File: VY000046.D  
 Acq: 16 Sep 2019 14:18

Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 MDL1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.5  | 21.2  | 63.6  |
| 148     | 63.3  | 32.1  | 96.5  |

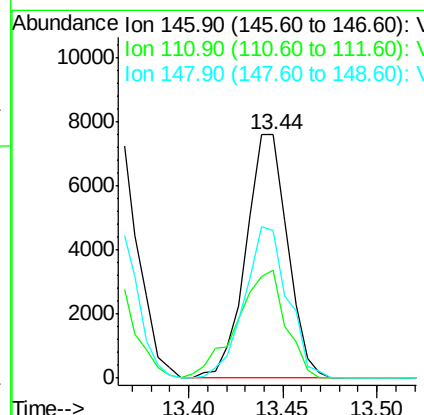
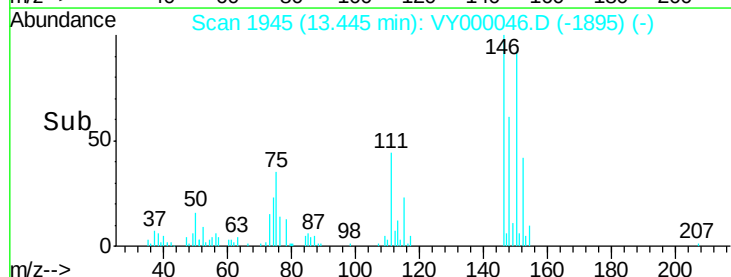
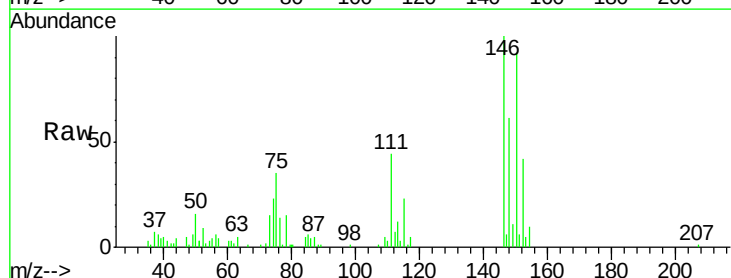
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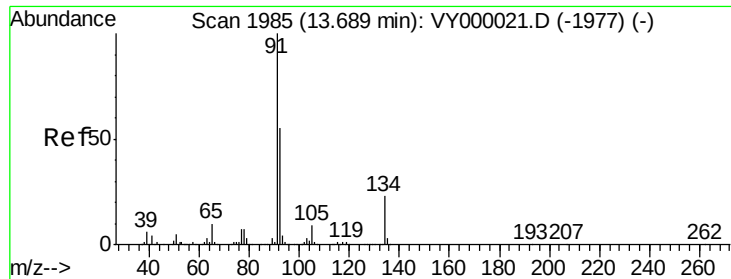


#88  
 1,4-Dichlorobenzene  
 Concen: 4.396 ug/l  
 RT: 13.44 min Scan# 1945  
 Delta R.T. 0.01 min  
 Lab File: VY000046.D  
 Acq: 16 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 51.8  | 20.3  | 60.9  |
| 148     | 64.5  | 31.7  | 95.1  |







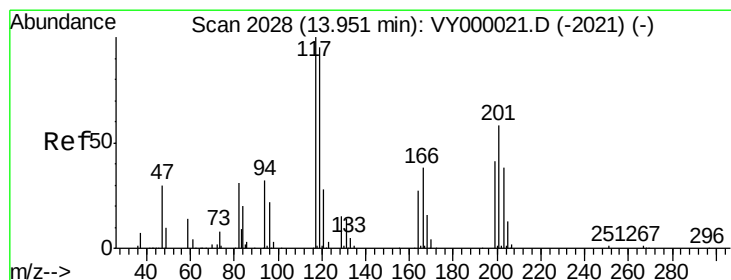
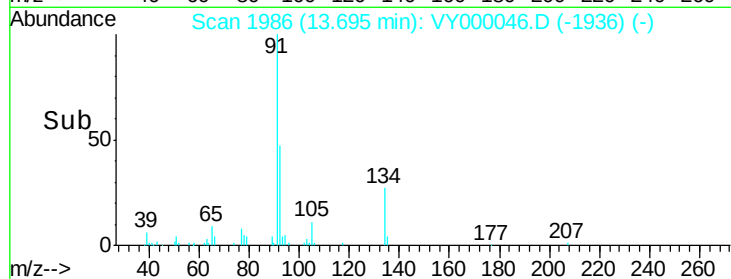
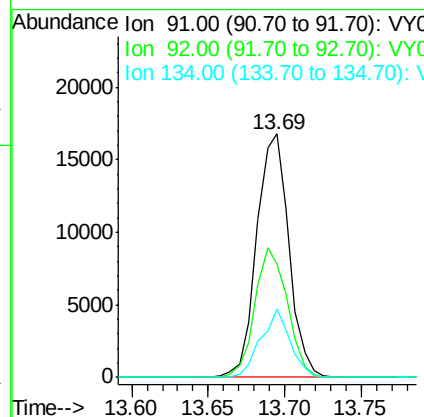
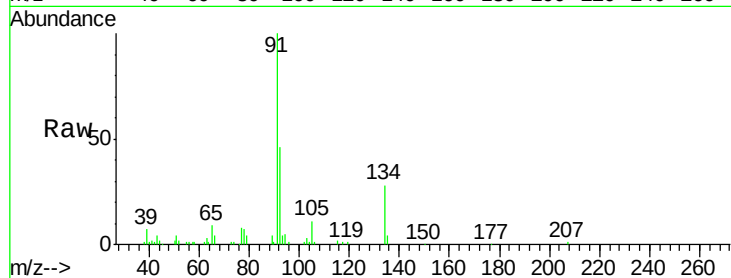
#89  
n-Butylbenzene  
Concen: 4.363 ug/l  
RT: 13.69 min Scan# 1986  
Delta R.T. 0.01 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

Instrument :  
MSVOA\_Y  
ClientSampled :  
MDL1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.3  | 27.2  | 81.6  |
| 134     | 25.6  | 12.6  | 37.6  |

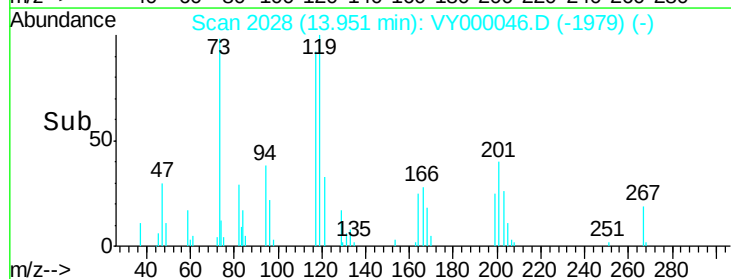
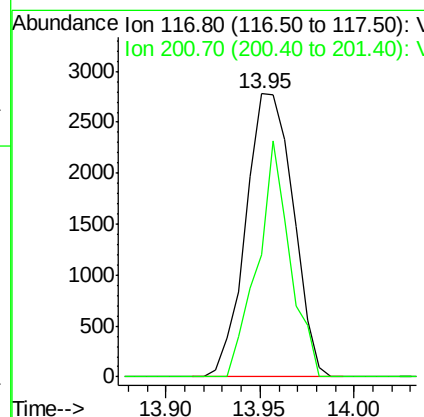
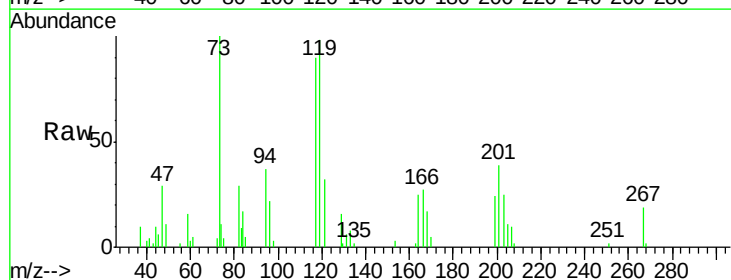
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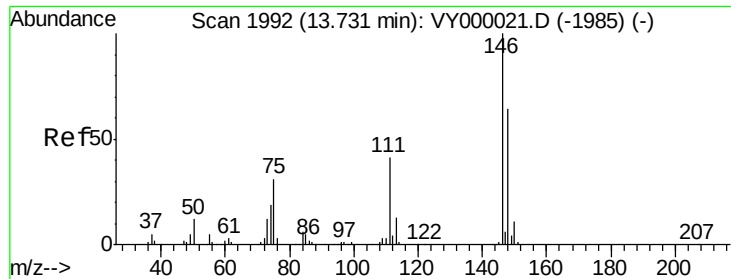
MMDadoda  
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#90  
Hexachloroethane  
Concen: 4.367 ug/l  
RT: 13.95 min Scan# 2028  
Delta R.T. -0.00 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 56.8  | 31.4  | 94.0  |





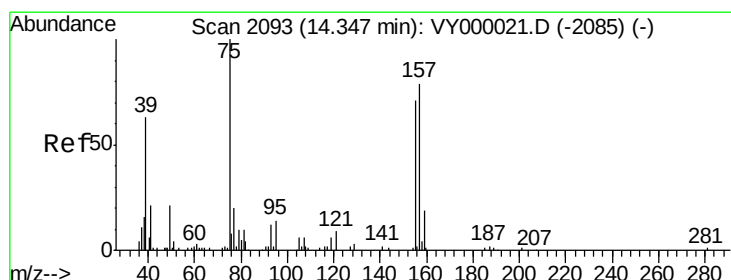
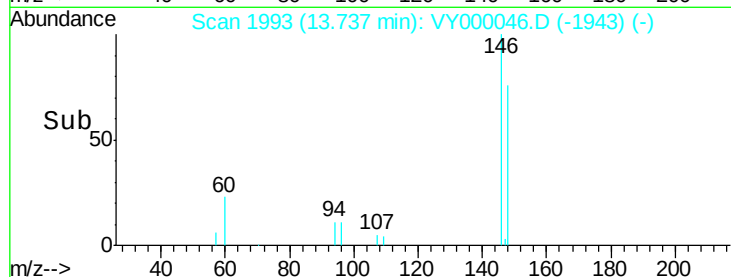
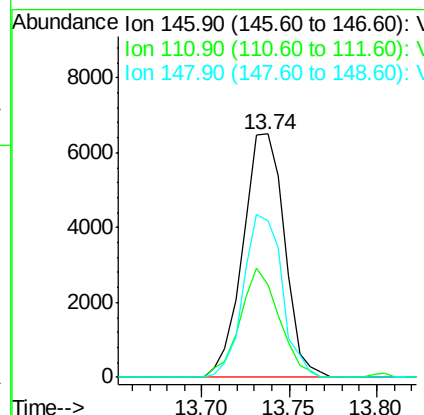
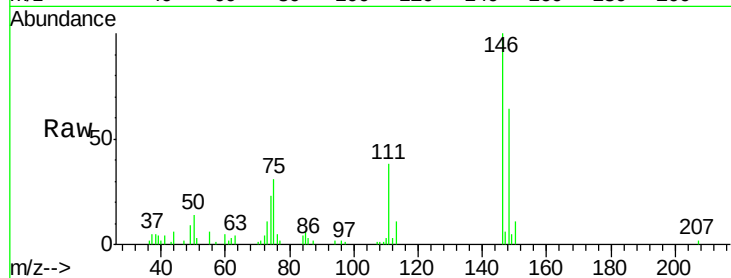
#91  
 1,2-Dichlorobenzene  
 Concen: 4.393 ug/l  
 RT: 13.74 min Scan# 1993  
 Delta R.T. 0.01 min  
 Lab File: VY000046.D  
 Acq: 16 Sep 2019 14:18

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MDL1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.1  | 21.0  | 63.0  |
| 148     | 61.9  | 31.6  | 95.0  |

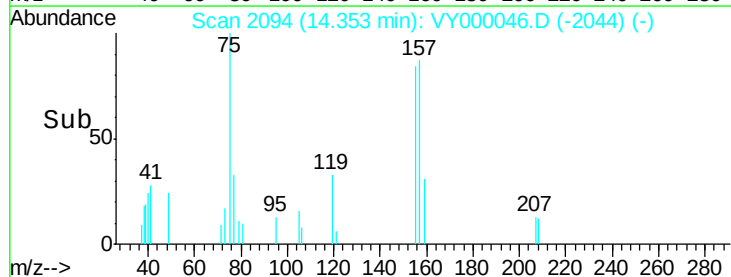
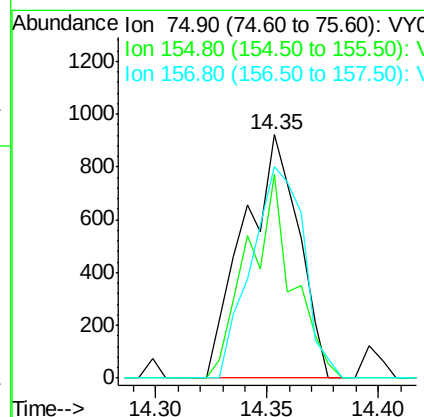
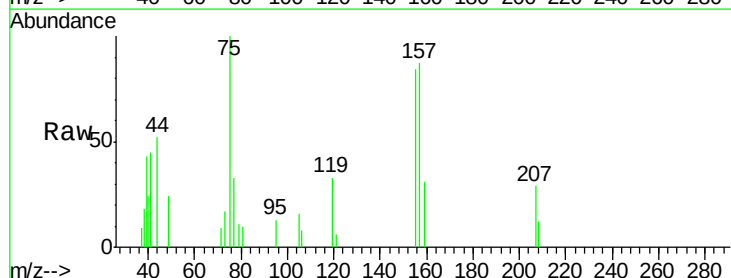
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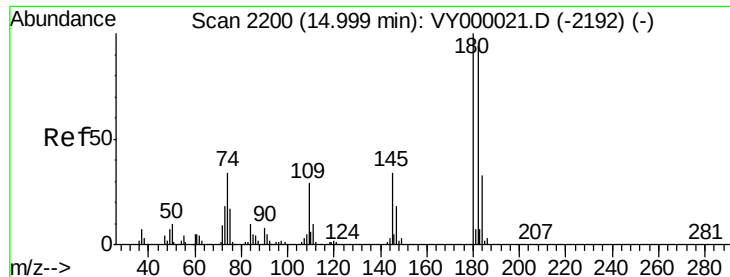
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 5.451 ug/l  
 RT: 14.35 min Scan# 2094  
 Delta R.T. 0.01 min  
 Lab File: VY000046.D  
 Acq: 16 Sep 2019 14:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 69.5  | 41.8  | 125.3 |
| 157     | 83.4  | 51.3  | 153.9 |





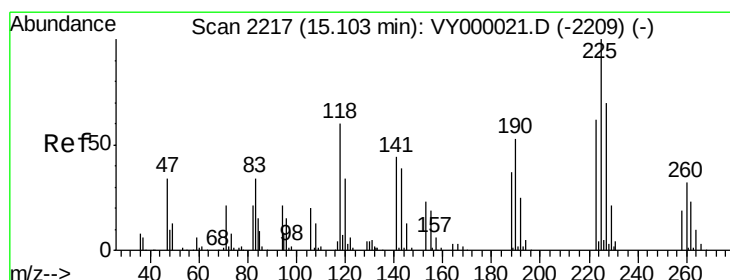
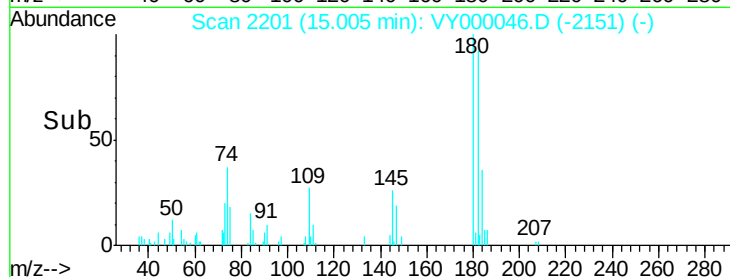
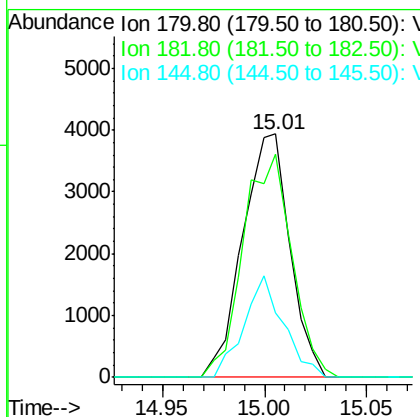
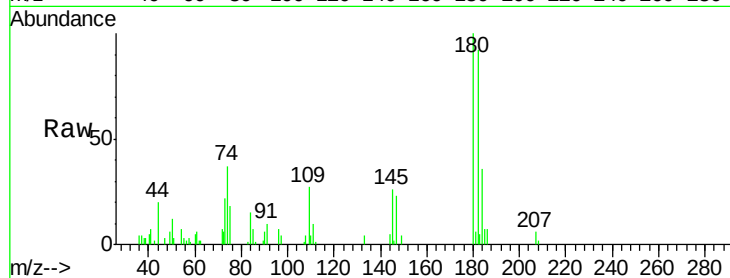
#93  
 1,2,4-Trichlorobenzene  
 Concen: 4.049 ug/l  
 RT: 15.01 min Scan# 2201  
 Delta R.T. 0.01 min  
 Lab File: VY000046.D  
 Acq: 16 Sep 2019 14:18

Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 MDL1

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   | 6338 |       |       |
| 182     | 94.5  |      | 47.0  | 141.0 |
| 145     | 34.8  |      | 16.7  | 50.1  |

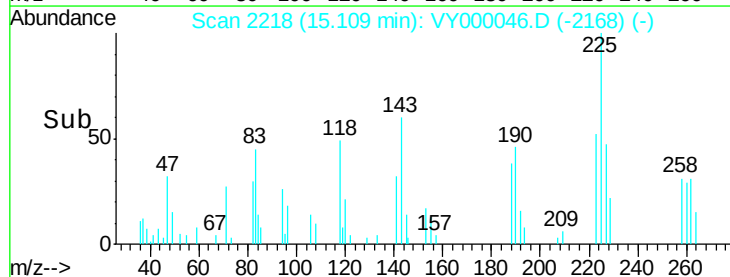
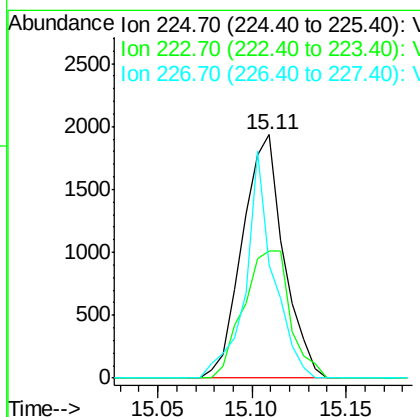
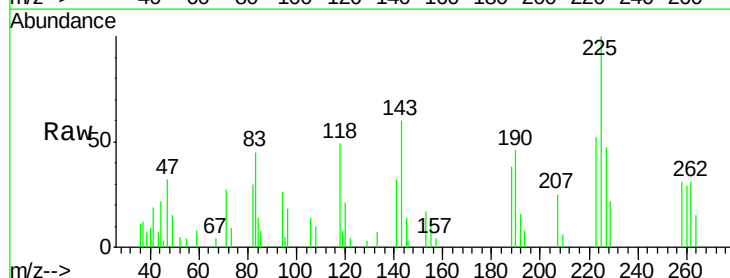
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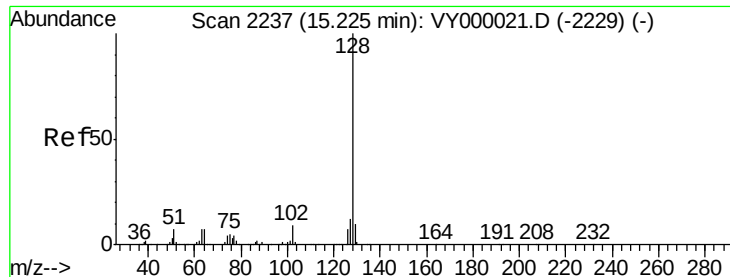
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#94  
 Hexachlorobutadiene  
 Concen: 4.105 ug/l  
 RT: 15.11 min Scan# 2218  
 Delta R.T. 0.01 min  
 Lab File: VY000046.D  
 Acq: 16 Sep 2019 14:18

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   | 2947 |       |       |
| 223     | 58.6  |      | 30.9  | 92.7  |
| 227     | 61.9  |      | 31.0  | 93.0  |





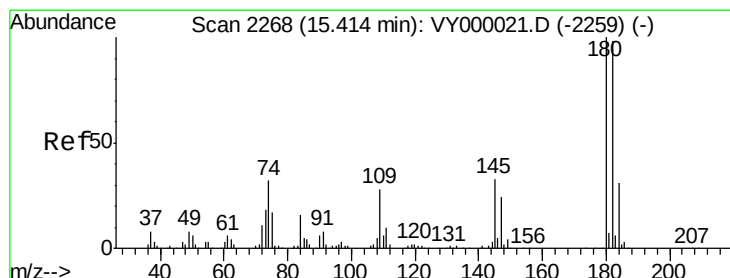
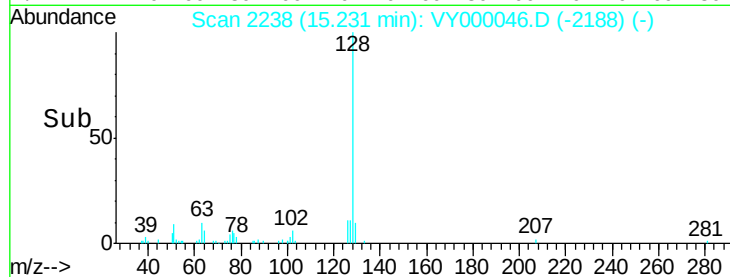
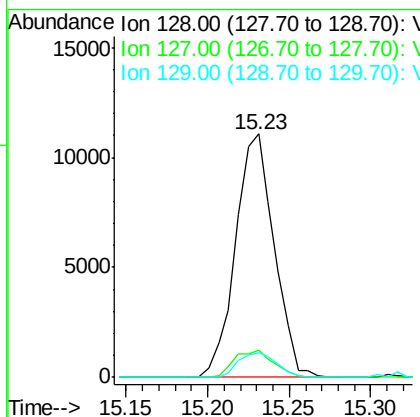
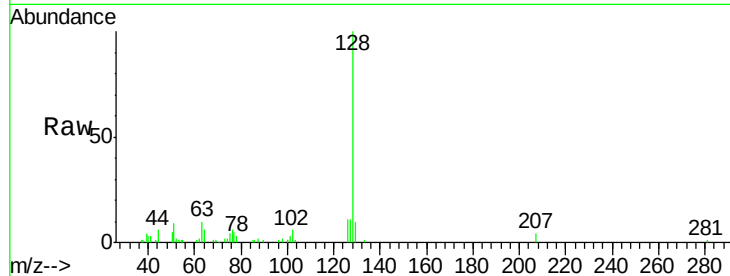
#95  
Naphthalene  
Concen: 4.260 ug/l  
RT: 15.23 min Scan# 2238  
Delta R.T. 0.01 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL1

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 128     | 100   | 18243 |       |       |
| 127     | 11.4  | 9.8   | 14.8  |       |
| 129     | 10.0  | 8.7   | 13.1  |       |

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#96  
1,2,3-Trichlorobenzene  
Concen: 4.560 ug/l  
RT: 15.42 min Scan# 2269  
Delta R.T. 0.01 min  
Lab File: VY000046.D  
Acq: 16 Sep 2019 14:18

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   | 6407 |       |       |
| 182     | 85.6  | 46.8 | 140.4 |       |
| 145     | 37.2  | 17.3 | 51.7  |       |

