

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040120\  
 Data File : VY002152.D  
 Acq On : 01 Apr 2020 10:46  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 4/2/2020 10:12:54 AM

Quant Time: Apr 02 06:30:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y032620S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 07:11:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.81  | 168  | 158434   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.71  | 114  | 285034   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.50 | 117  | 259629   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.44 | 152  | 117720   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.16   | 65  | 84759    | 48.39 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.78% |      |
| 35) Dibromofluoromethane  | 7.74   | 113 | 79084    | 49.52 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.04% |      |
| 50) Toluene-d8            | 10.19  | 98  | 331007   | 49.89 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.78% |      |
| 62) 4-Bromofluorobenzene  | 12.49  | 95  | 115205   | 49.65 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.30% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.91 | 85  | 46701   | 45.138  | ug/l | 95     |
| 3) Chloromethane              | 2.13 | 50  | 77782   | 42.010  | ug/l | 98     |
| 4) Vinyl Chloride             | 2.27 | 62  | 83274   | 44.223  | ug/l | 98     |
| 5) Bromomethane               | 2.67 | 94  | 59467   | 48.391  | ug/l | 98     |
| 6) Chloroethane               | 2.81 | 64  | 57209   | 47.314  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 3.15 | 101 | 121616  | 47.129  | ug/l | 98     |
| 8) Diethyl Ether              | 3.55 | 74  | 50169   | 45.902  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.93 | 101 | 80661   | 47.643  | ug/l | 99     |
| 10) Methyl Iodide             | 4.12 | 142 | 95060   | 47.220  | ug/l | 100    |
| 11) Tert butyl alcohol        | 4.98 | 59  | 47685   | 231.035 | ug/l | 96     |
| 12) 1,1-Dichloroethene        | 3.90 | 96  | 81180   | 47.221  | ug/l | 97     |
| 13) Acrolein                  | 3.76 | 56  | 74538   | 288.946 | ug/l | 98     |
| 14) Allyl chloride            | 4.51 | 41  | 149954  | 47.647  | ug/l | 99     |
| 15) Acrylonitrile             | 5.20 | 53  | 136201  | 237.756 | ug/l | 99     |
| 16) Acetone                   | 3.97 | 43  | 134873  | 274.095 | ug/l | 97     |
| 17) Carbon Disulfide          | 4.22 | 76  | 268387  | 47.042  | ug/l | 99     |
| 18) Methyl Acetate            | 4.50 | 43  | 58159   | 45.516  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.25 | 73  | 225280  | 46.974  | ug/l | 99     |
| 20) Methylene Chloride        | 4.75 | 84  | 95700   | 46.630  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.25 | 96  | 94413   | 48.234  | ug/l | 99     |
| 22) Diisopropyl ether         | 6.14 | 45  | 312148  | 48.465  | ug/l | 97     |
| 23) Vinyl Acetate             | 6.09 | 43  | 1014995 | 240.329 | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 6.05 | 63  | 165767  | 48.407  | ug/l | 99     |
| 25) 2-Butanone                | 7.01 | 43  | 190185  | 251.711 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 7.01 | 77  | 139155  | 49.340  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 7.02 | 96  | 103675  | 48.145  | ug/l | 99     |
| 28) Bromochloromethane        | 7.36 | 49  | 74526   | 47.670  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.38 | 42  | 114372  | 230.877 | ug/l | 100    |
| 30) Chloroform                | 7.53 | 83  | 157153  | 48.416  | ug/l | 99     |
| 31) Cyclohexane               | 7.80 | 56  | 166566  | 45.648  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 7.72 | 97  | 131953  | 48.690  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 7.94 | 75  | 131036  | 48.603  | ug/l | 99     |
| 37) Ethyl Acetate             | 7.10 | 43  | 75548   | 46.371  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.93 | 117 | 115670  | 50.569  | ug/l | 98     |

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Instrument :  
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 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 4/2/2020 10:12:54 AM

Quant Time: Apr 02 06:30:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y032620S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 07:11:05 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.20  | 83   | 176351   | 49.868  | ug/l   | 98       |
| 40) Benzene                    | 8.18  | 78   | 391852   | 49.068  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.35  | 41   | 39612m   | 48.067  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.26  | 62   | 103152   | 48.652  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.29  | 43   | 144272   | 47.711  | ug/l   | 99       |
| 44) Trichloroethene            | 8.96  | 130  | 95809    | 49.770  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.23  | 63   | 100411   | 49.381  | ug/l   | 99       |
| 46) Dibromomethane             | 9.32  | 93   | 52047    | 49.840  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.51  | 83   | 122365   | 50.335  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.31  | 41   | 63428    | 46.807  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.31  | 88   | 12764    | 890.723 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 10.08 | 43   | 381054   | 244.726 | ug/l   | 99       |
| 52) Toluene                    | 10.25 | 92   | 240384   | 49.767  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.48 | 75   | 136410   | 50.555  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.94  | 75   | 160107   | 50.398  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.66 | 97   | 76934    | 49.778  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.52 | 69   | 110357   | 48.886  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.80 | 76   | 134230   | 49.156  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.80  | 63   | 302016   | 260.369 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.85 | 43   | 275973   | 251.611 | ug/l   | 98       |
| 60) Dibromochloromethane       | 11.00 | 129  | 82812    | 51.204  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.10 | 107  | 71448    | 49.389  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.73 | 164  | 78606    | 49.485  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.53 | 112  | 247788   | 49.442  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.60 | 131  | 84657    | 50.491  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.60 | 91   | 460711   | 49.496  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.72 | 106  | 342116   | 99.408  | ug/l   | 100      |
| 69) o-Xylene                   | 12.04 | 106  | 160425   | 49.140  | ug/l   | 99       |
| 70) Styrene                    | 12.06 | 104  | 281836   | 49.820  | ug/l   | 100      |
| 71) Bromoform                  | 12.22 | 173  | 46774    | 50.934  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.34 | 105  | 437378   | 50.086  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.16 | 43   | 128679   | 46.721  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.59 | 83   | 91819    | 48.863  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.64 | 75   | 64991m   | 49.355  | ug/l   |          |
| 77) Bromobenzene               | 12.62 | 156  | 93003    | 49.890  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.69 | 91   | 546781   | 50.456  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.77 | 91   | 297316   | 49.969  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.83 | 105  | 363117   | 50.400  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.39 | 75   | 33776    | 49.693  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.87 | 91   | 311057   | 49.610  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.09 | 119  | 307354   | 51.108  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.13 | 105  | 360462   | 50.146  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.27 | 105  | 447454   | 50.234  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.38 | 119  | 388382   | 50.774  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.38 | 146  | 180179   | 49.407  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.46 | 146  | 181235   | 49.386  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.71 | 91   | 397805   | 49.913  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.97 | 117  | 74820    | 51.909  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.75 | 146  | 163366   | 48.509  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.37 | 75   | 13743    | 45.657  | ug/l   | 96       |

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Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Manual Integrations  
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y032620S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 27 07:11:05 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.02 | 180  | 104707   | 48.237 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.13 | 225  | 51563    | 48.123 | ug/l  | 100      |
| 95) Naphthalene            | 15.25 | 128  | 239063   | 46.369 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.44 | 180  | 92077    | 46.777 | ug/l  | 100      |

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

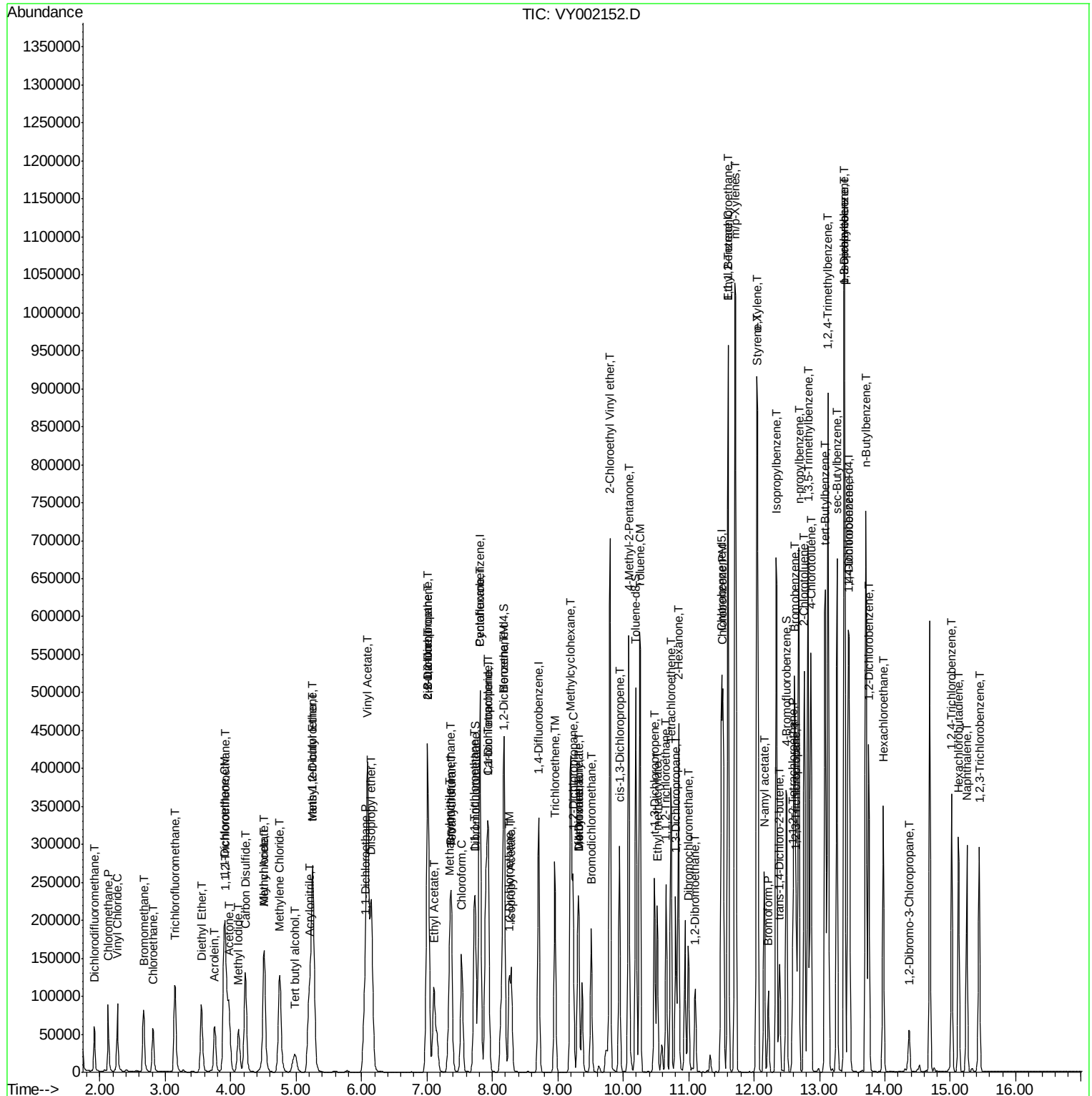
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Data File : VY002152.D  
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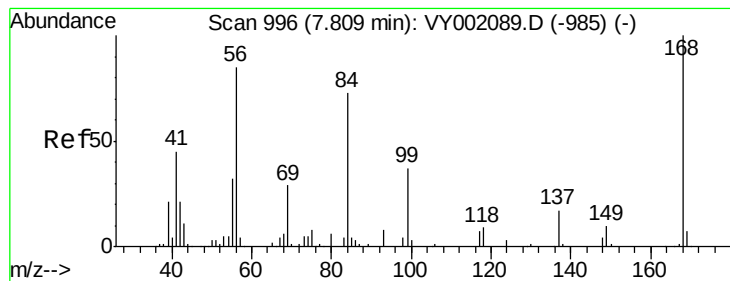
Instrument :  
MSVOA\_Y  
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VSTDCCC050

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 158434

Ion Ratio Lower Upper

168 100

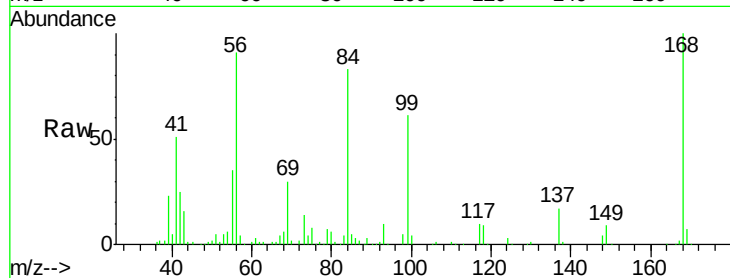
99 60.8 47.6 71.4

Manual Integrations

APPROVED

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4/2/2020 10:12:54 AM



Abundance Ion 167.90 (167.60 to 168.60): VY002152.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002152.D (-947) (-)

7.81

60000

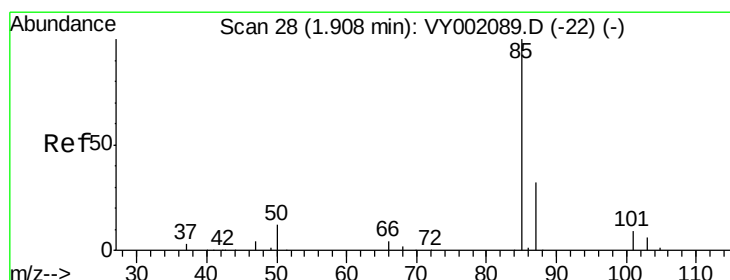
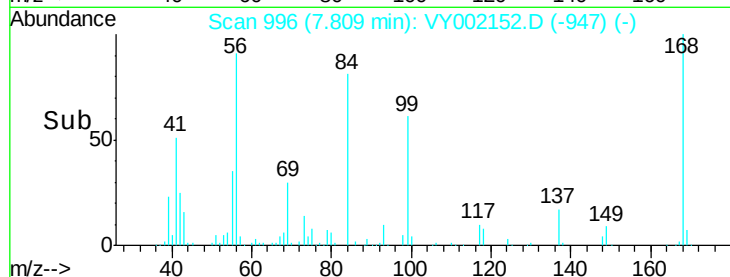
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 45.138 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002152.D

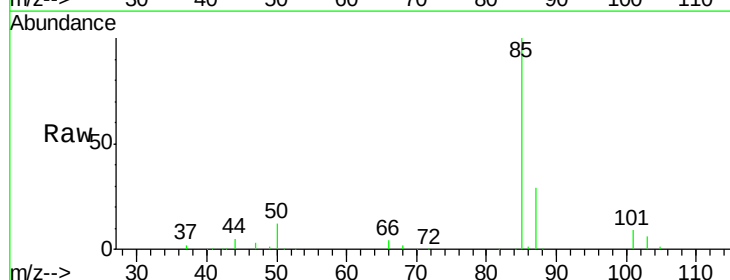
Acq: 01 Apr 2020 10:46

Tgt Ion: 85 Resp: 46701

Ion Ratio Lower Upper

85 100

87 29.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY002152.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002152.D (-1) (-)

1.91

40000

30000

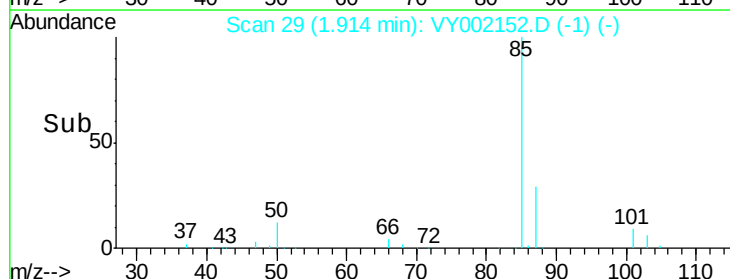
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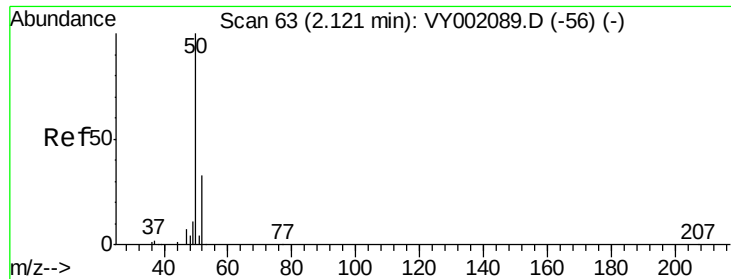
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0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 42.010 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 77782

Ion Ratio Lower Upper

50 100

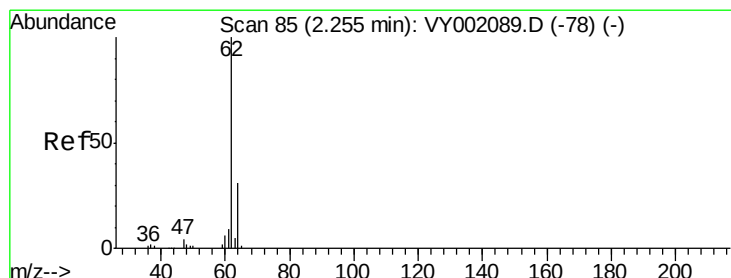
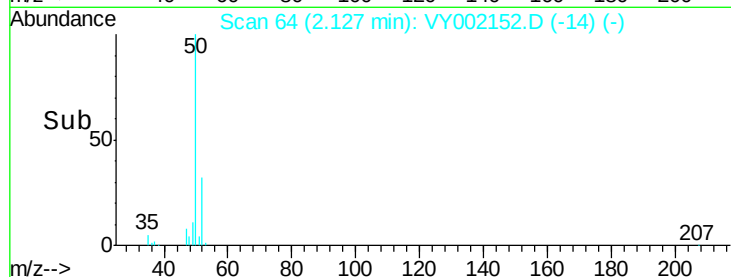
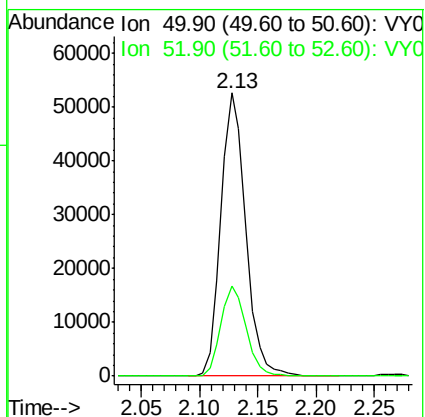
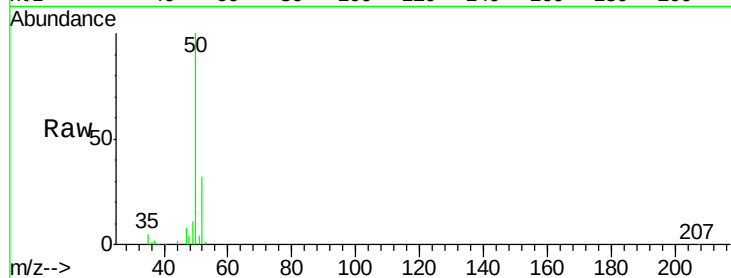
52 31.7 26.1 39.1

Manual Integrations

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4/2/2020 10:12:54 AM



#4

Vinyl Chloride

Concen: 44.223 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY002152.D

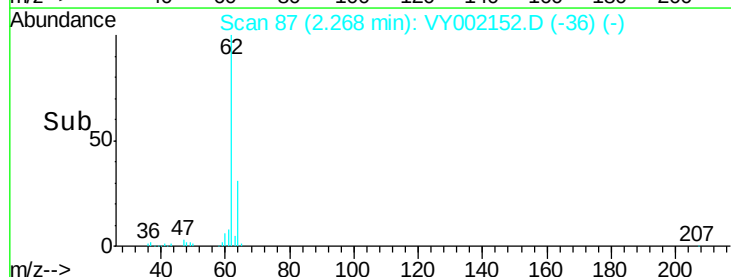
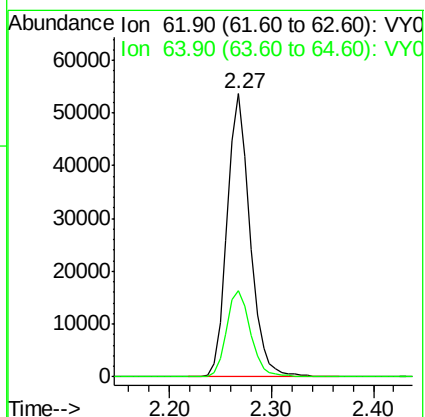
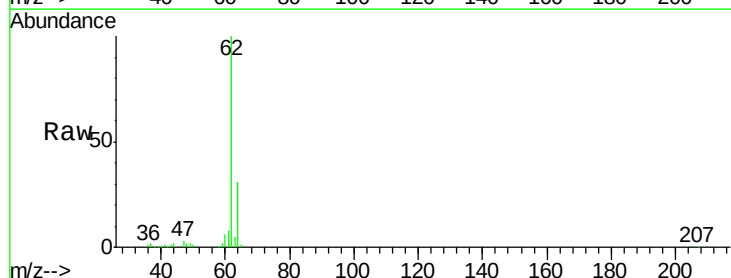
Acq: 01 Apr 2020 10:46

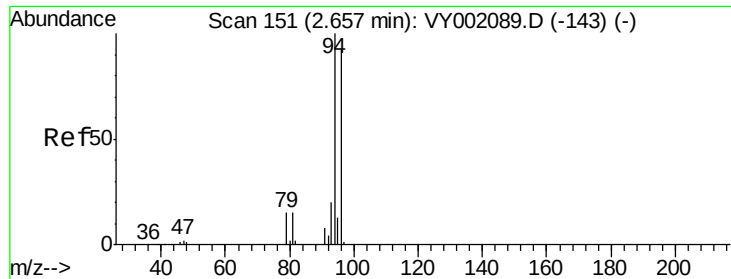
Tgt Ion: 62 Resp: 83274

Ion Ratio Lower Upper

62 100

64 30.6 25.2 37.8





#5

Bromomethane

Concen: 48.391 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 59467

Ion Ratio Lower Upper

94 100

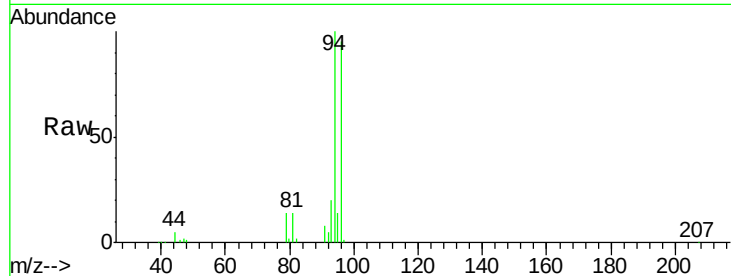
96 94.5 74.1 111.1

Manual Integrations

APPROVED

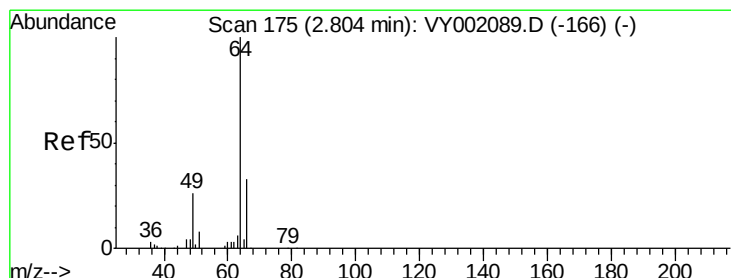
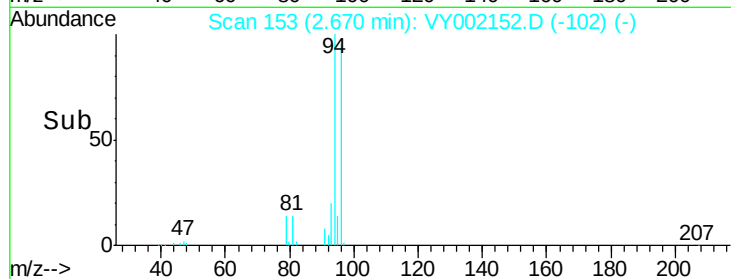
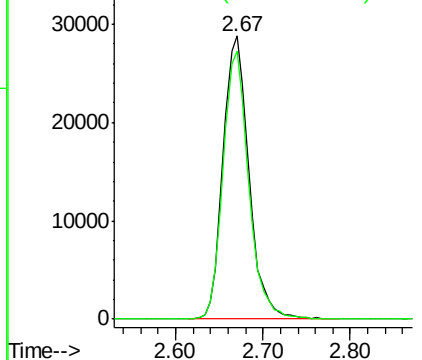
MMDadoda

4/2/2020 10:12:54 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 47.314 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.01 min

Lab File: VY002152.D

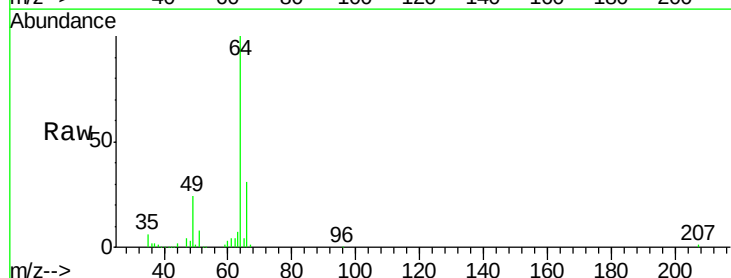
Acq: 01 Apr 2020 10:46

Tgt Ion: 64 Resp: 57209

Ion Ratio Lower Upper

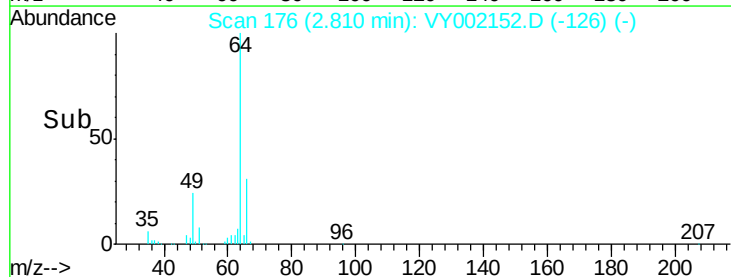
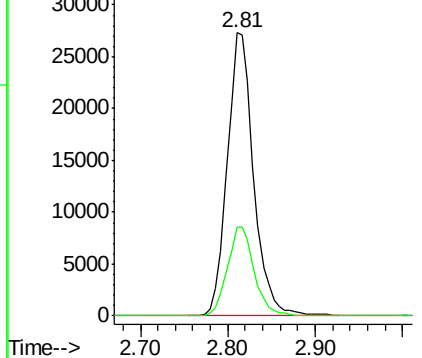
64 100

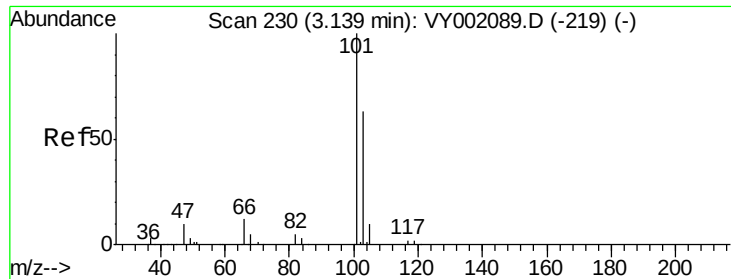
66 31.5 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

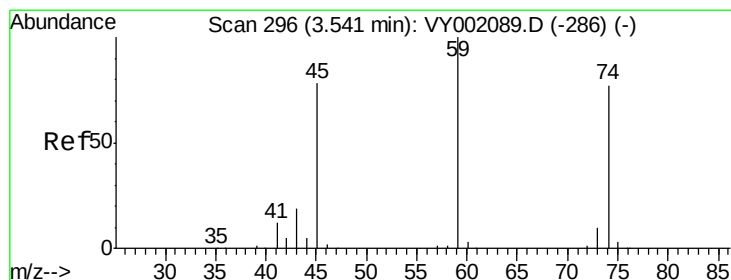
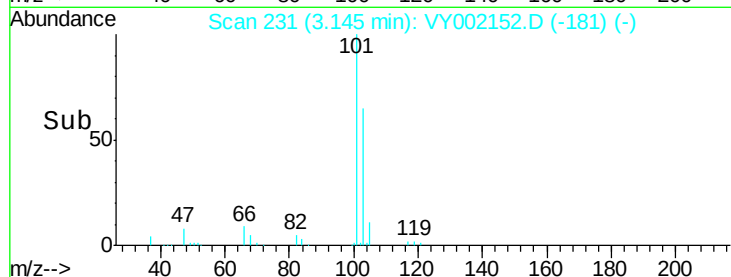
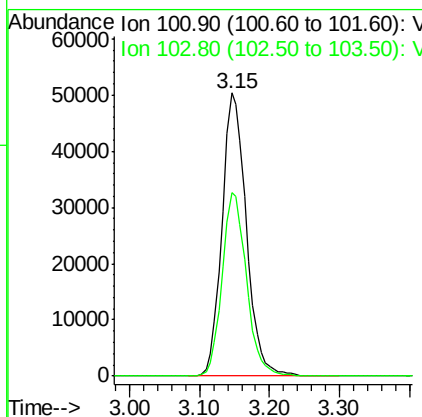
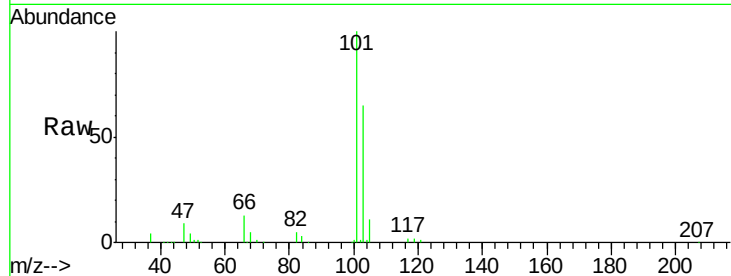
Trichlorofluoromethane  
 Concen: 47.129 ug/l  
 RT: 3.15 min Scan# 231  
 Delta R.T. 0.01 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.6  | 50.6  | 76.0  |

Manual Integrations  
 APPROVED

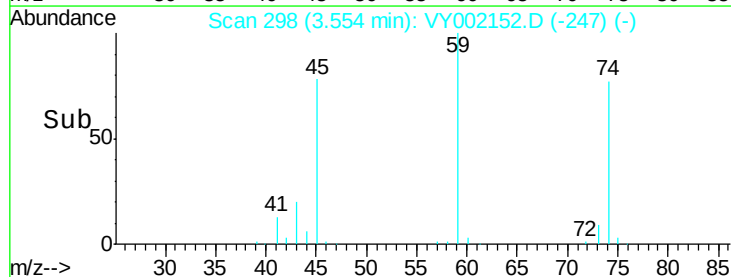
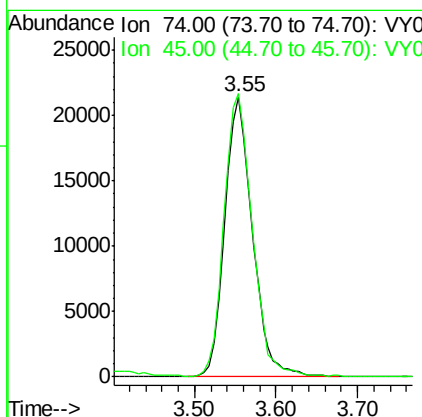
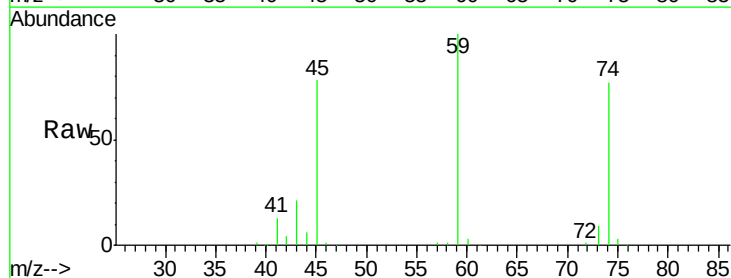
MMDadoda  
 4/2/2020 10:12:54 AM



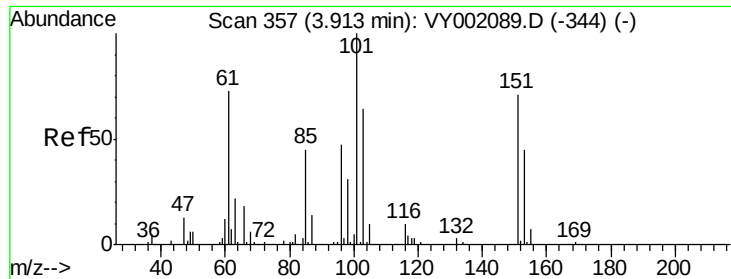
#8

Diethyl Ether  
 Concen: 45.902 ug/l  
 RT: 3.55 min Scan# 298  
 Delta R.T. 0.01 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 103.4 | 51.0  | 153.0 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.643 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.01 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

Instrument :

MSVOA\_Y

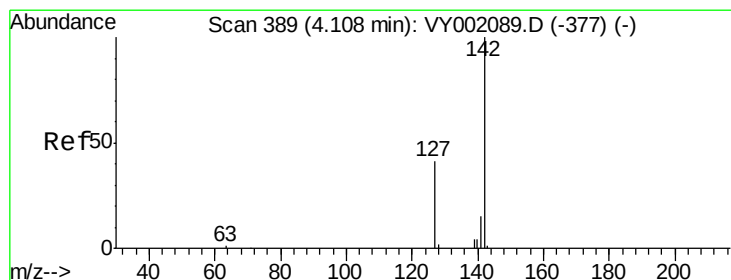
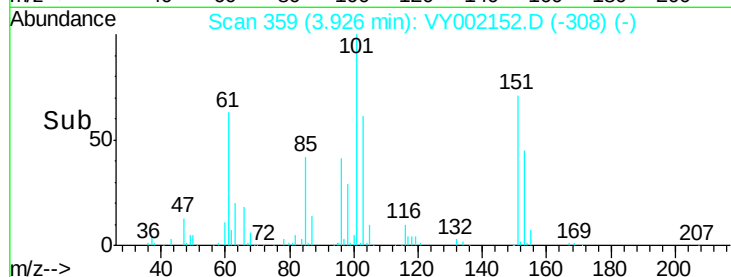
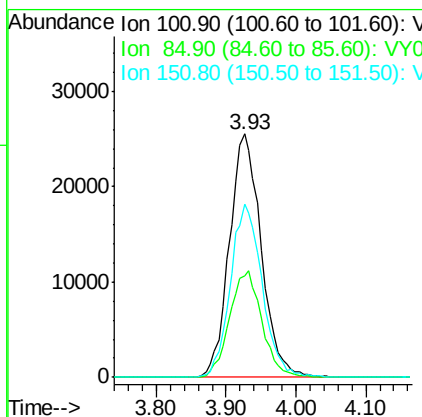
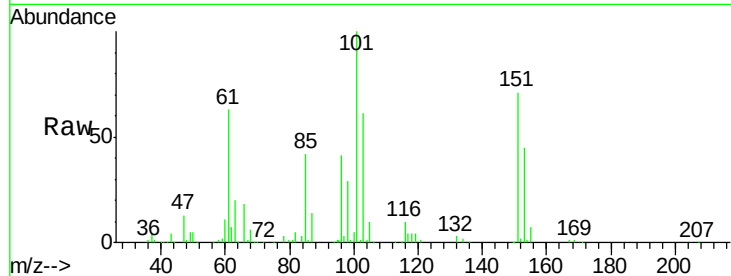
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 80661 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.3  | 35.9  | 53.9  |
| 151       | 71.4  | 57.5  | 86.3  |

Manual Integrations  
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MMDadoda  
4/2/2020 10:12:54 AM



#10

Methyl Iodide

Concen: 47.220 ug/l

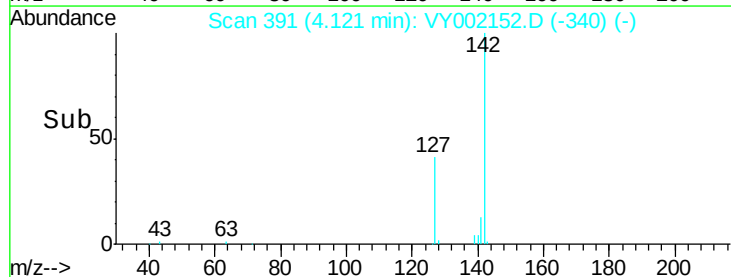
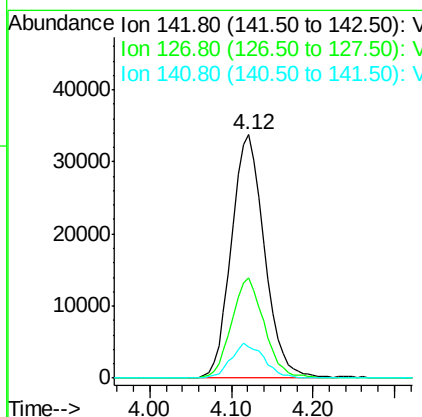
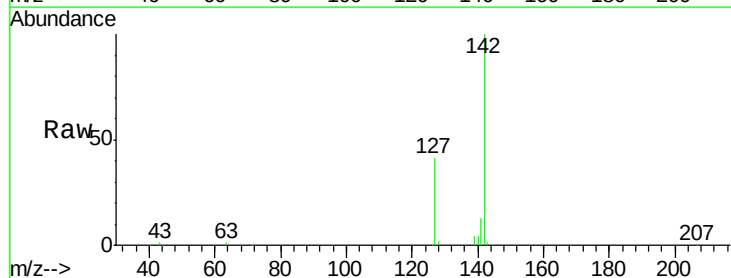
RT: 4.12 min Scan# 391

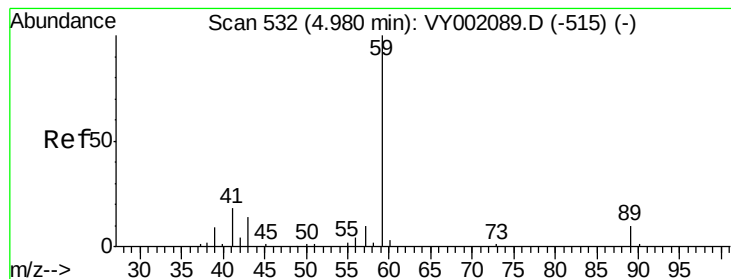
Delta R.T. 0.01 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 95060 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 40.6  | 32.6  | 49.0  |
| 141       | 14.1  | 11.4  | 17.0  |





#11

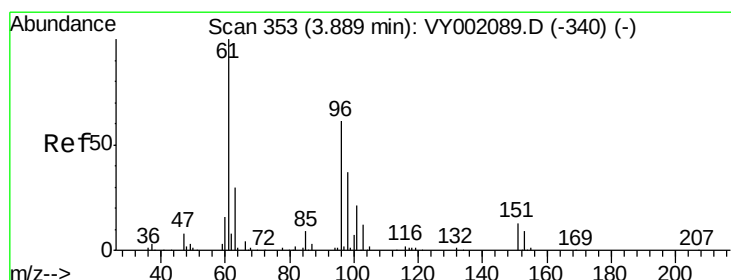
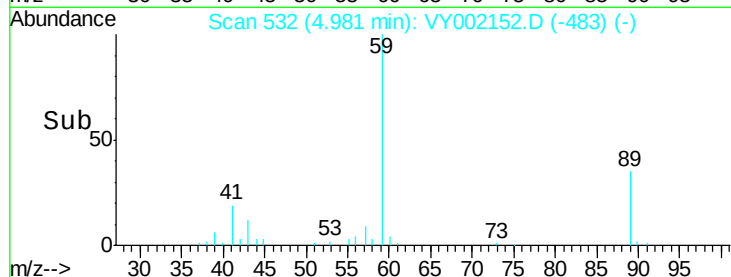
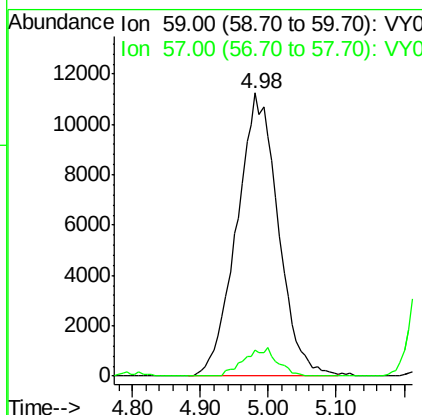
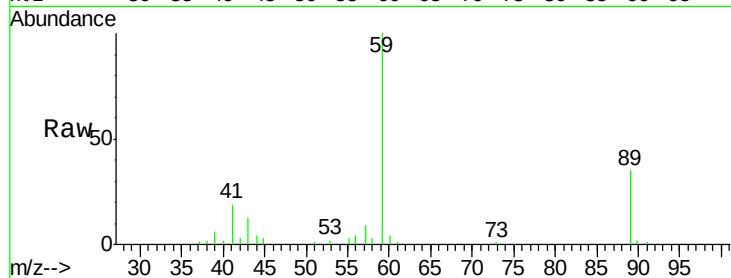
Tert butyl alcohol  
Concen: 231.035 ug/l  
RT: 4.98 min Scan# 532  
Delta R.T. 0.00 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 59    | Resp  | 47685 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 59      | 100   |       |       |
| 57      | 8.0   | 7.7   | 11.5  |

Manual Integrations  
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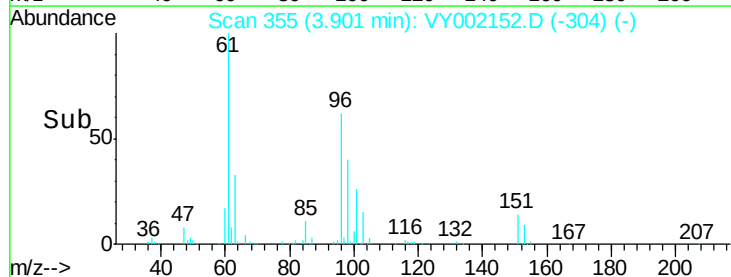
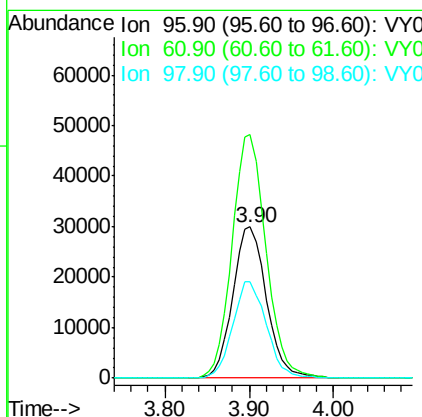
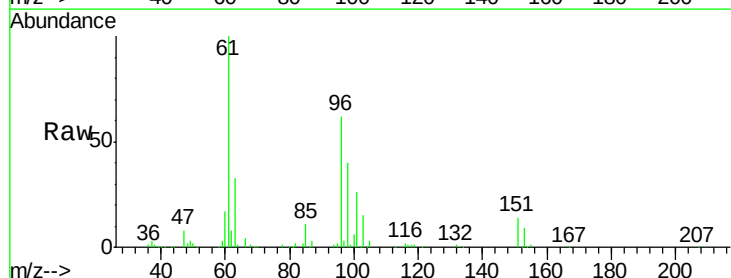
MMDadoda  
4/2/2020 10:12:54 AM

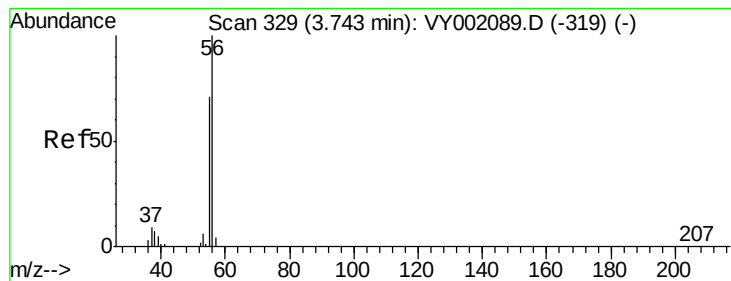


#12

1,1-Dichloroethene  
Concen: 47.221 ug/l  
RT: 3.90 min Scan# 353  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

| Tgt Ion | 96    | Resp  | 81180 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 96      | 100   |       |       |
| 61      | 160.8 | 132.0 | 198.0 |
| 98      | 63.7  | 49.4  | 74.0  |





#13

Acrolein

Concen: 288.946 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.01 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 74538

Ion Ratio Lower Upper

56 100

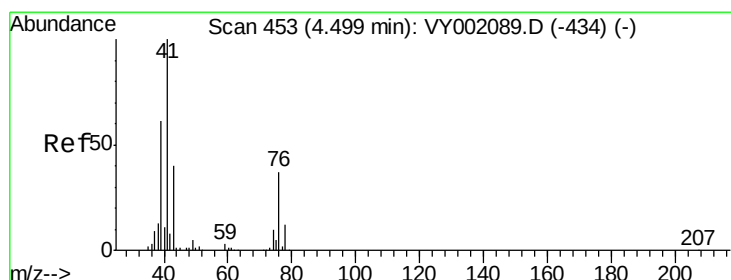
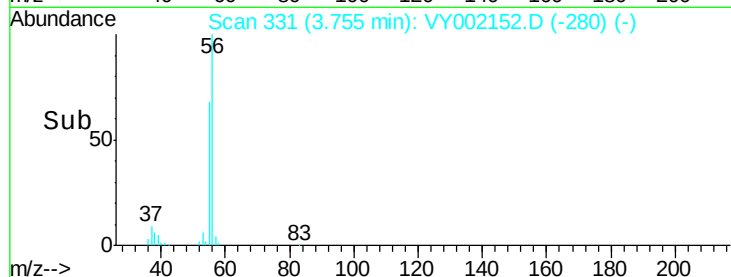
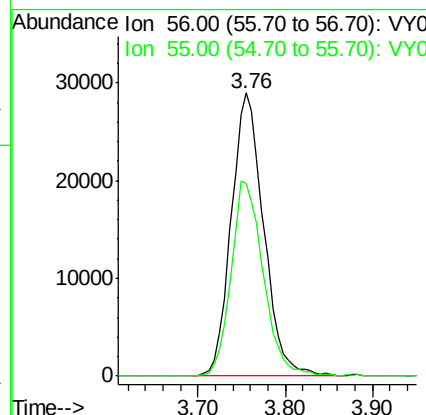
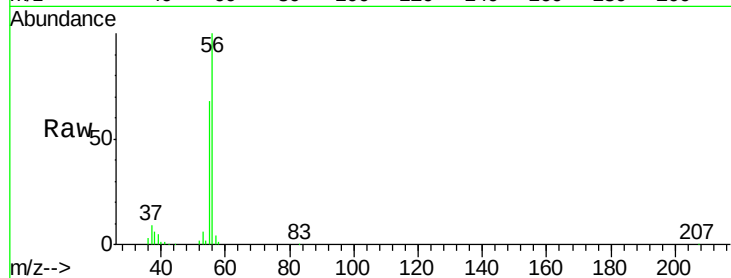
55 68.6 56.5 84.7

Manual Integrations

APPROVED

MMDadoda

4/2/2020 10:12:54 AM



#14

Allyl chloride

Concen: 47.647 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

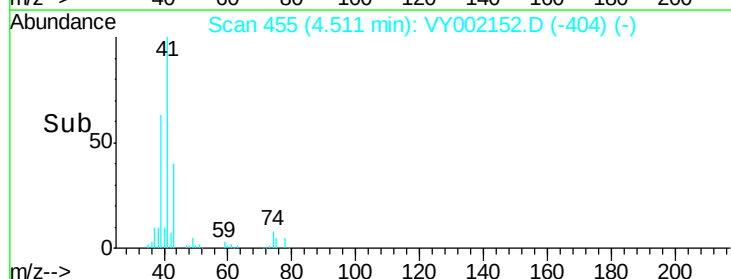
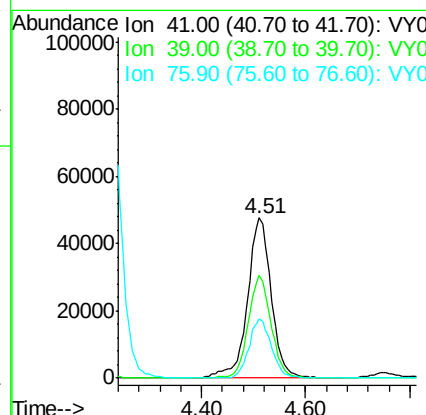
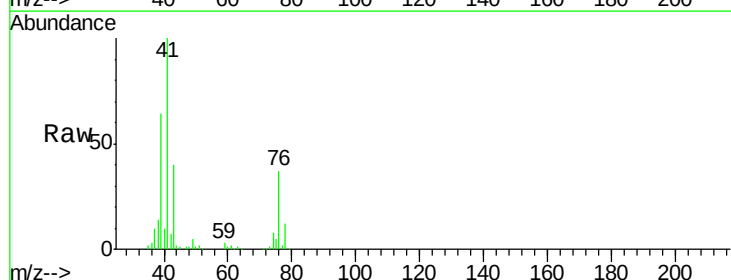
Tgt Ion: 41 Resp: 149954

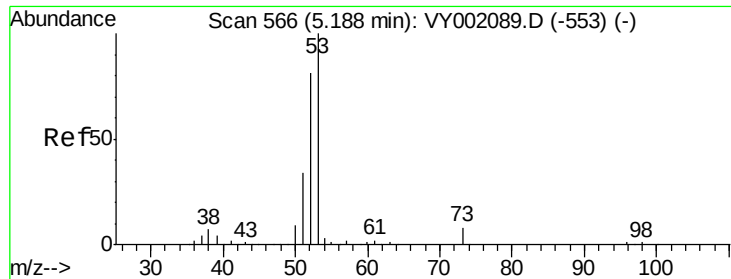
Ion Ratio Lower Upper

41 100

39 61.7 49.0 73.4

76 35.0 27.8 41.8





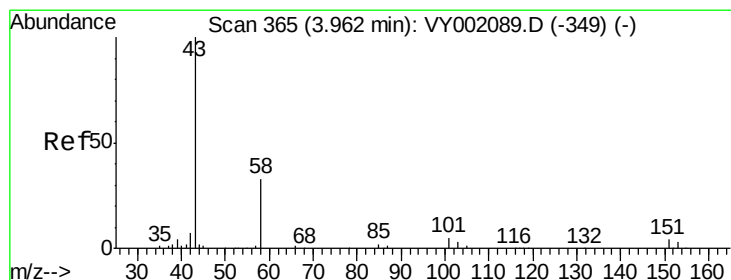
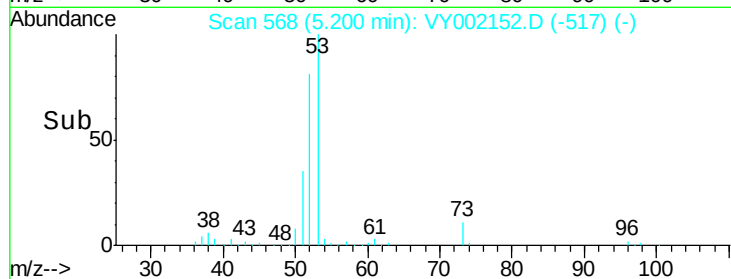
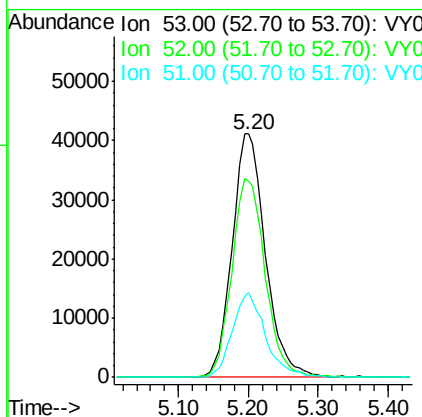
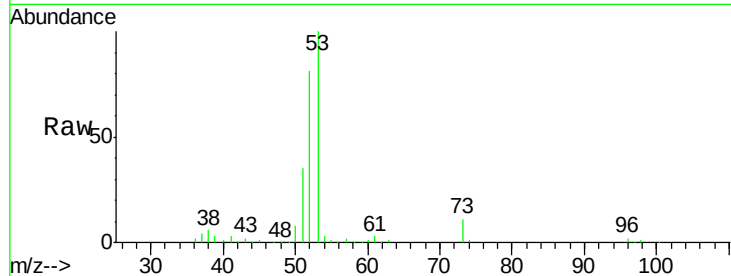
#15  
 Acrylonitrile  
 Concen: 237.756 ug/l  
 RT: 5.20 min Scan# 568  
 Delta R.T. 0.01 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 136201 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 81.7  | 64.6  | 97.0   |
| 51       | 34.6  | 27.9  | 41.9   |

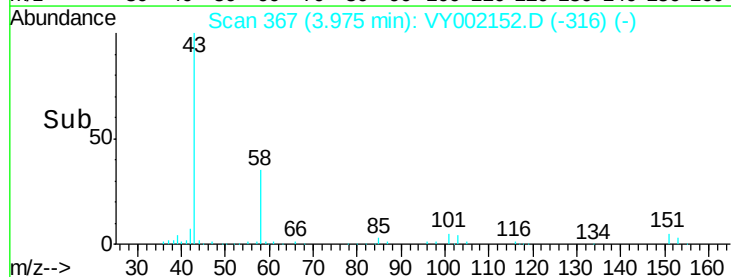
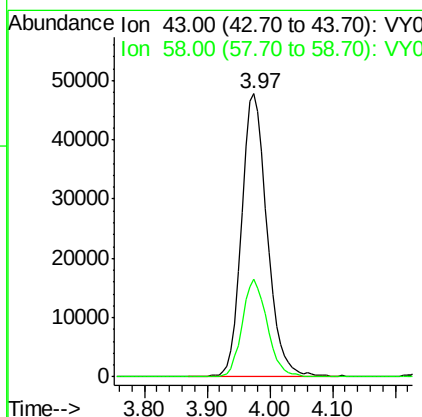
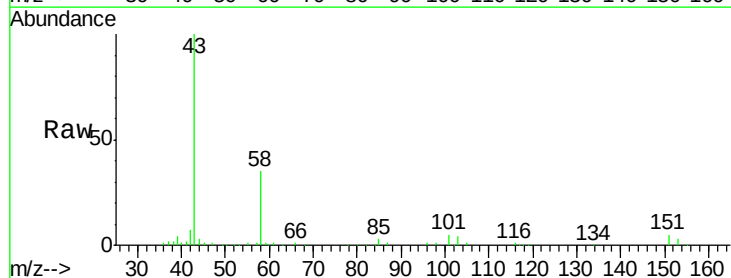
Manual Integrations  
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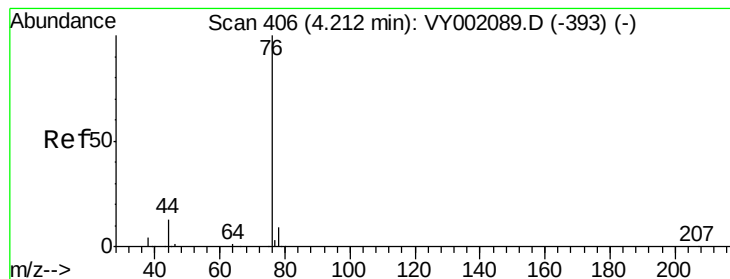
MMDadoda  
 4/2/2020 10:12:54 AM



#16  
 Acetone  
 Concen: 274.095 ug/l  
 RT: 3.97 min Scan# 367  
 Delta R.T. 0.01 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 134873 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 34.5  | 26.3  | 39.5   |





#17

Carbon Disulfide

Concen: 47.042 ug/l

RT: 4.22 min Scan# 408

Delta R.T. 0.01 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 268387

Ion Ratio Lower Upper

76 100

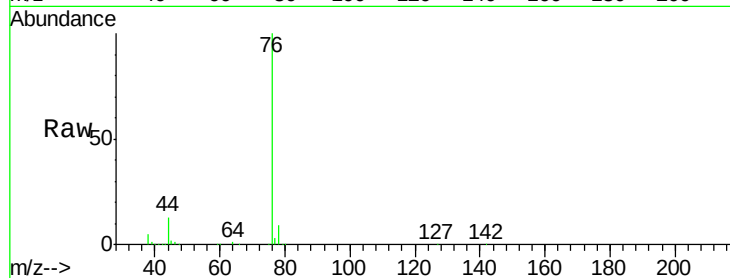
78 8.8 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY002152.D (-357) (-)

Ion 77.90 (77.60 to 78.60): VY002152.D (-357) (-)

4.22

100000

80000

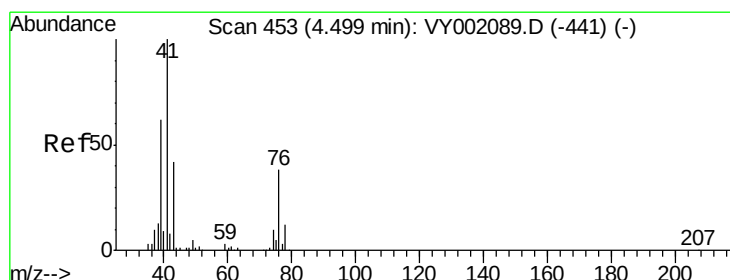
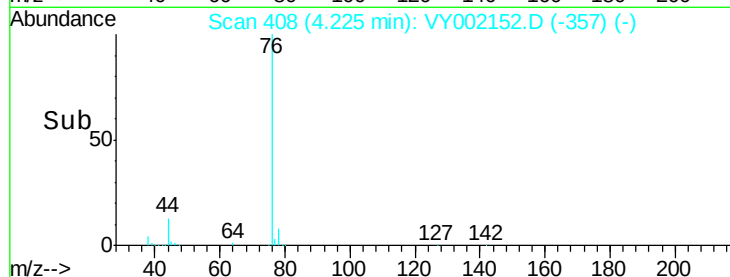
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 45.516 ug/l

RT: 4.50 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002152.D

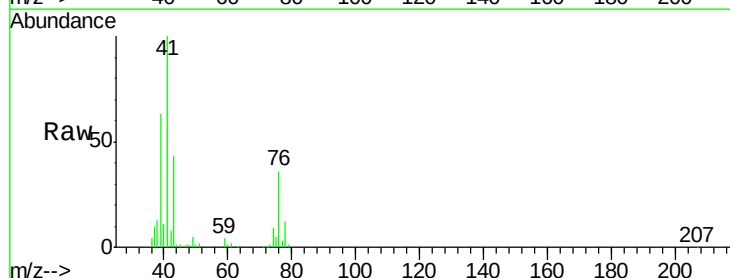
Acq: 01 Apr 2020 10:46

Tgt Ion: 43 Resp: 58159

Ion Ratio Lower Upper

43 100

74 22.4 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VY002152.D (-404) (-)

Ion 74.00 (73.70 to 74.70): VY002152.D (-404) (-)

4.50

20000

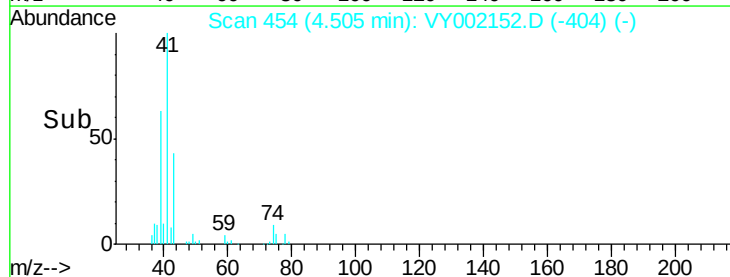
15000

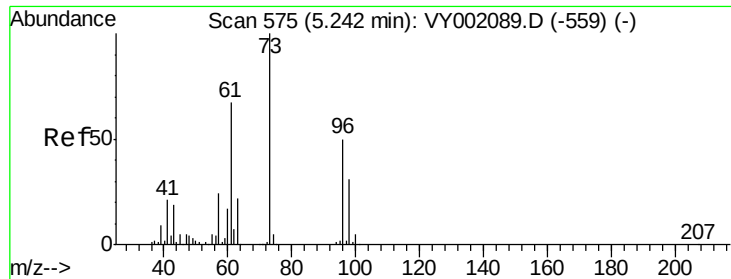
10000

5000

0

Time-->





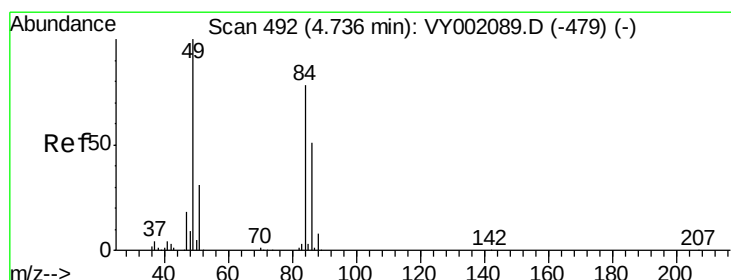
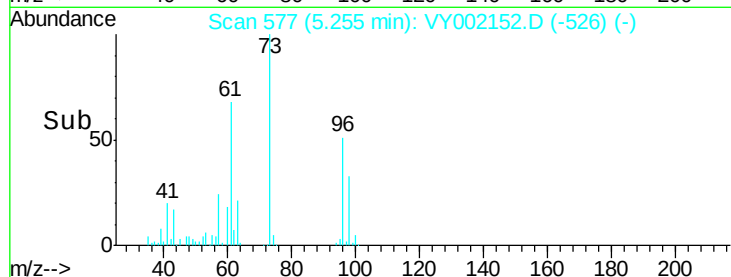
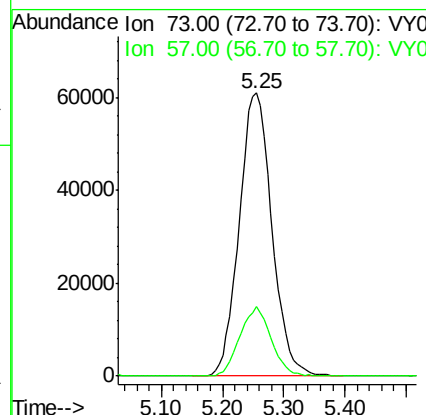
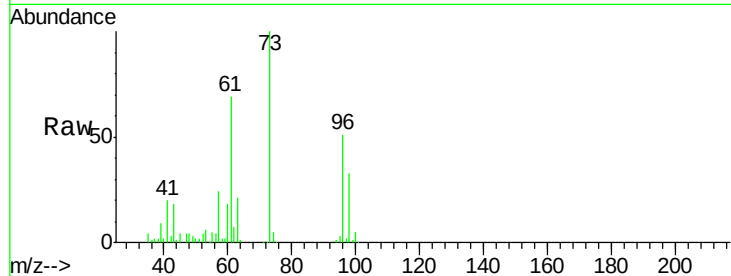
#19  
Methyl tert-butyl Ether  
Concen: 46.974 ug/l  
RT: 5.25 min Scan# 577  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 225280  
Ion Ratio Lower Upper  
73 100  
57 24.5 19.0 28.6

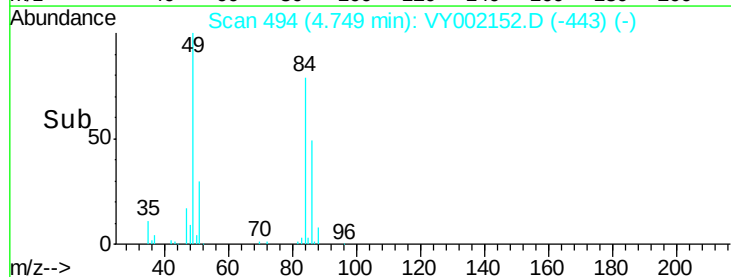
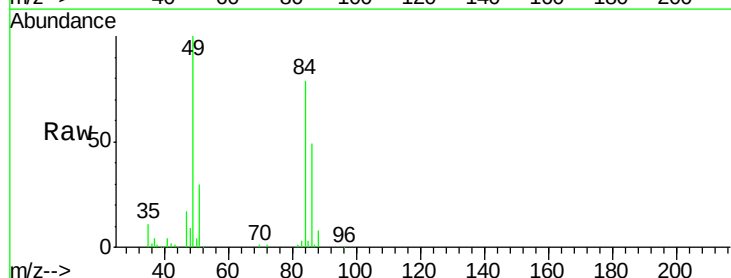
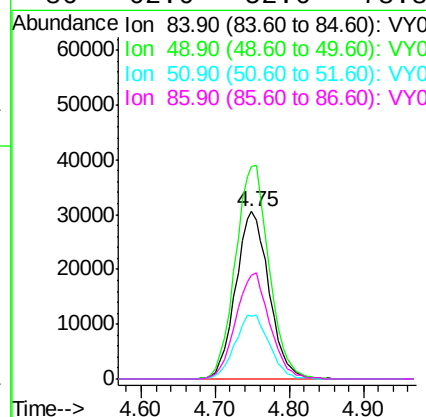
Manual Integrations  
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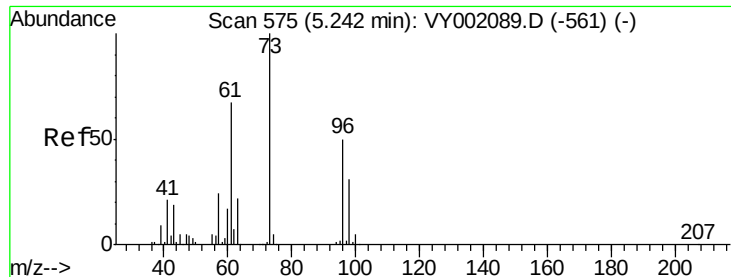
MMDadoda  
4/2/2020 10:12:54 AM



#20  
Methylene Chloride  
Concen: 46.630 ug/l  
RT: 4.75 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

Tgt Ion: 84 Resp: 95700  
Ion Ratio Lower Upper  
84 100  
49 126.8 102.2 153.4  
51 37.7 31.2 46.8  
86 62.0 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 48.234 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.01 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

Instrument :

MSVOA\_Y

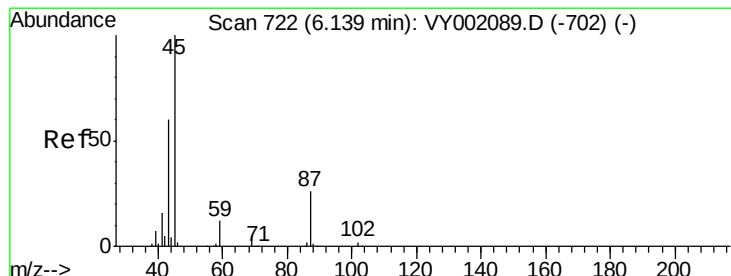
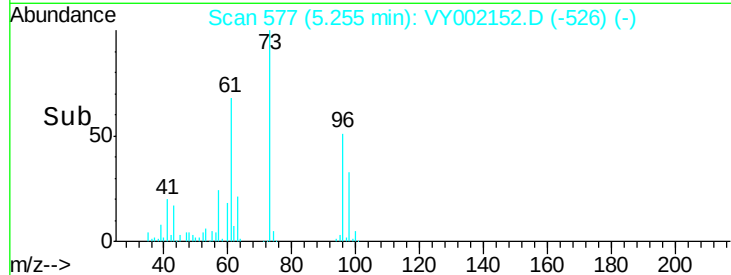
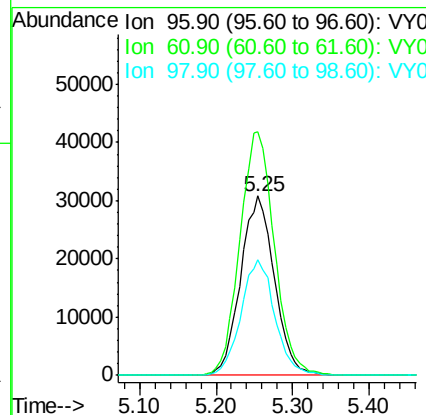
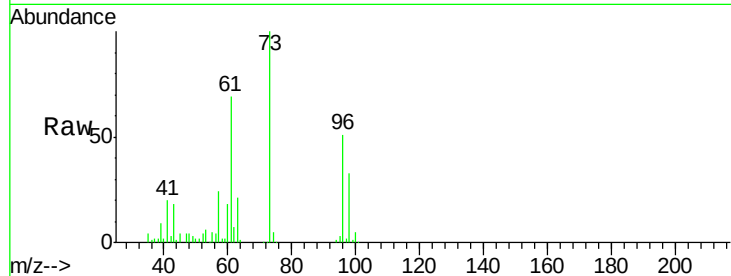
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 94413 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 135.6 | 107.7 | 161.5 |
| 98       | 64.4  | 50.5  | 75.7  |

Manual Integrations  
APPROVED

MMDadoda  
4/2/2020 10:12:54 AM



#22

Diisopropyl ether

Concen: 48.465 ug/l

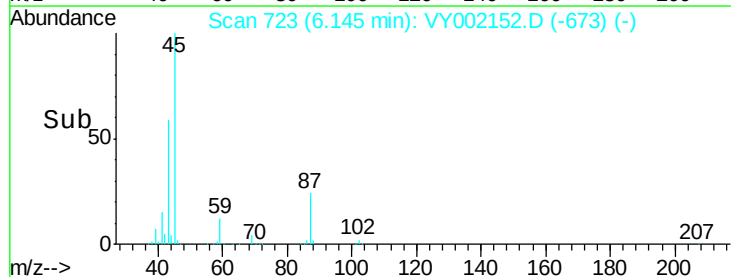
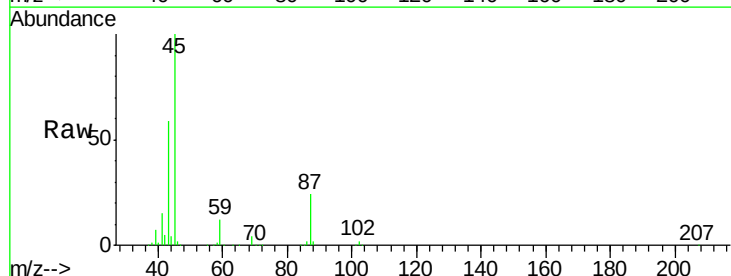
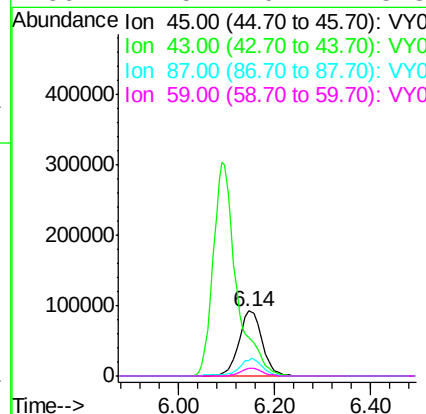
RT: 6.14 min Scan# 723

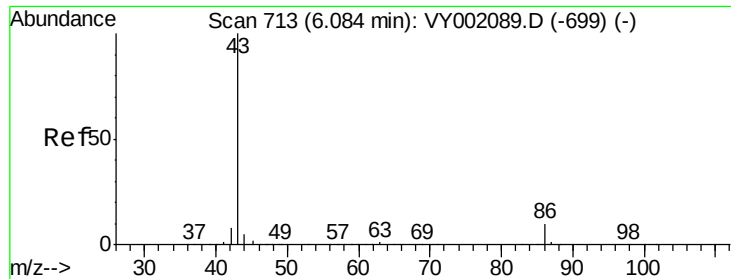
Delta R.T. 0.01 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 312148 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 58.6  | 48.1  | 72.1   |
| 87       | 24.5  | 21.1  | 31.7   |
| 59       | 12.5  | 9.2   | 13.8   |





#23

Vinyl Acetate

Concen: 240.329 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.01 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1014995

Ion Ratio Lower Upper

43 100

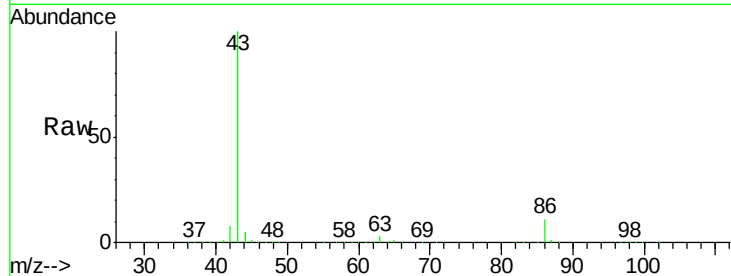
86 10.6 7.9 11.9

Manual Integrations

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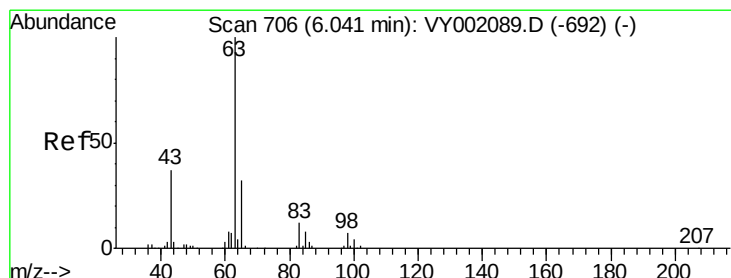
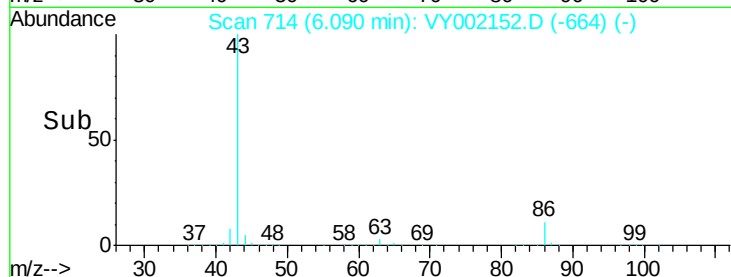
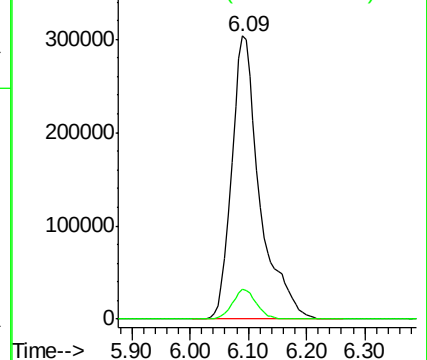
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 48.407 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

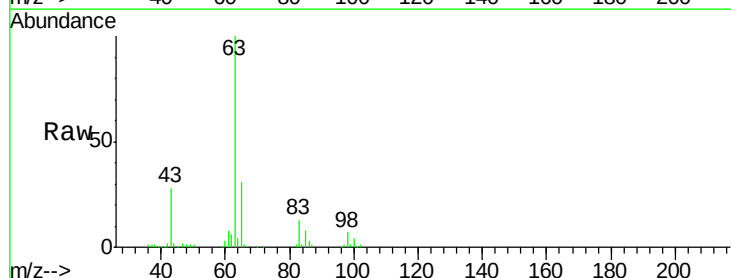
Tgt Ion: 63 Resp: 165767

Ion Ratio Lower Upper

63 100

98 7.1 3.3 9.9

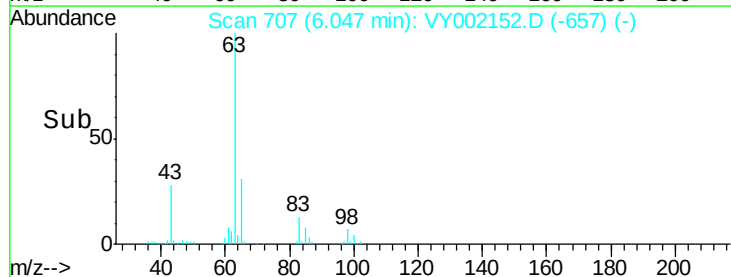
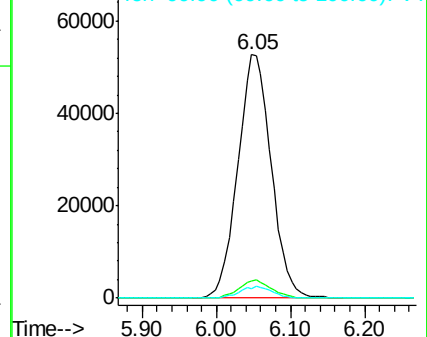
100 4.0 1.8 5.5



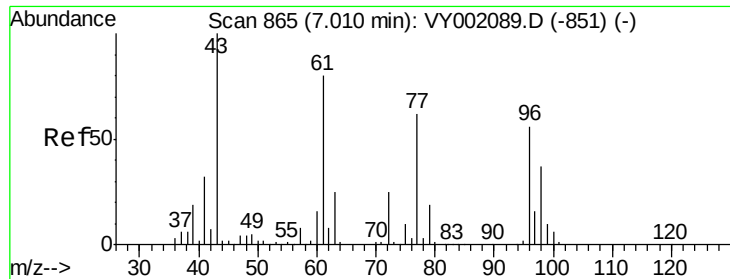
Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0







#25

2-Butanone

Concen: 251.711 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.00 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 190185

Ion Ratio Lower Upper

43 100

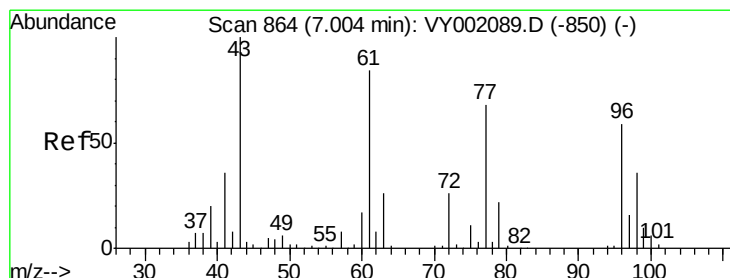
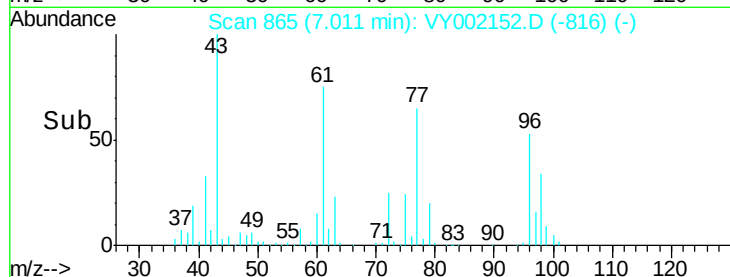
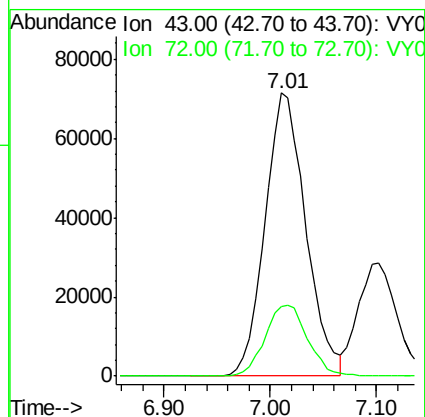
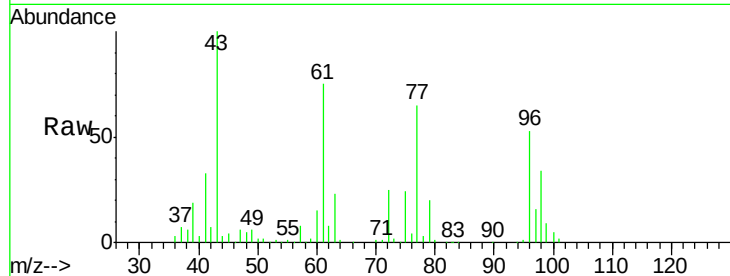
72 24.8 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.340 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002152.D

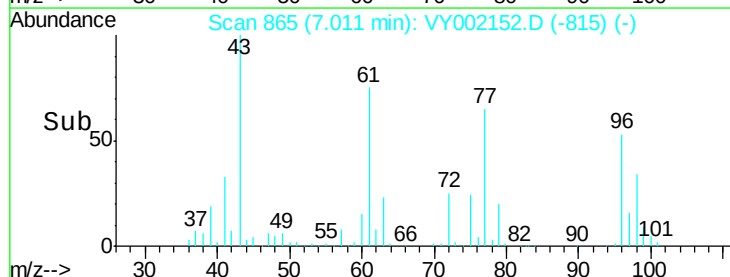
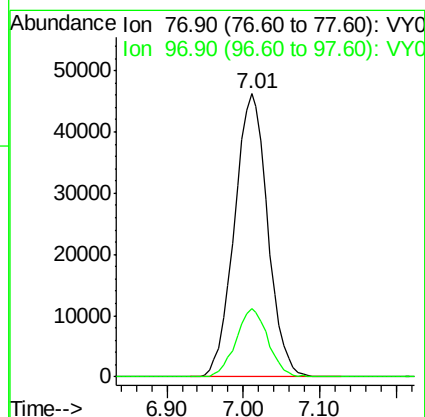
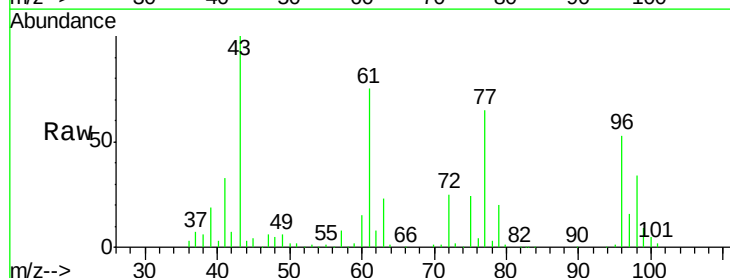
Acq: 01 Apr 2020 10:46

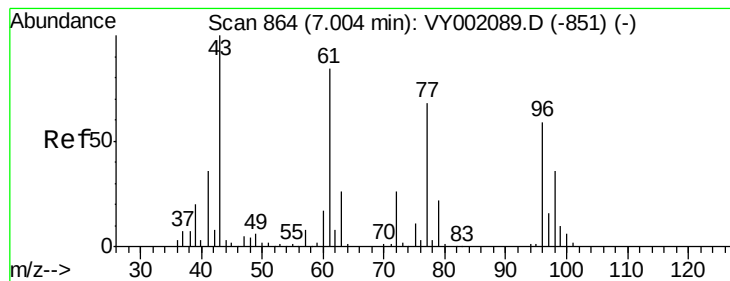
Tgt Ion: 77 Resp: 139155

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.1





#27

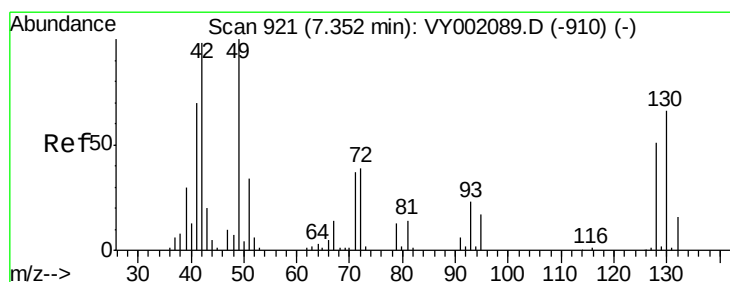
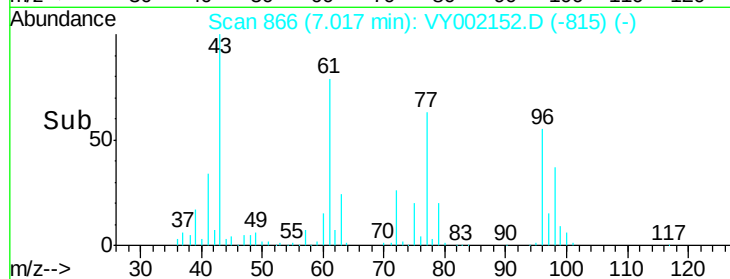
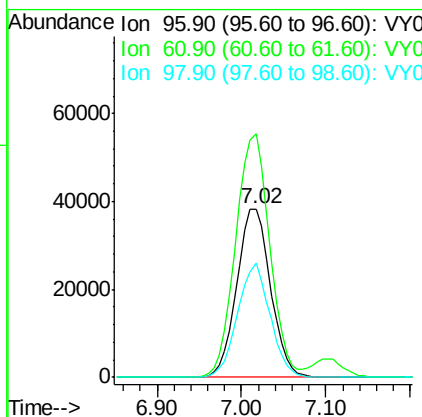
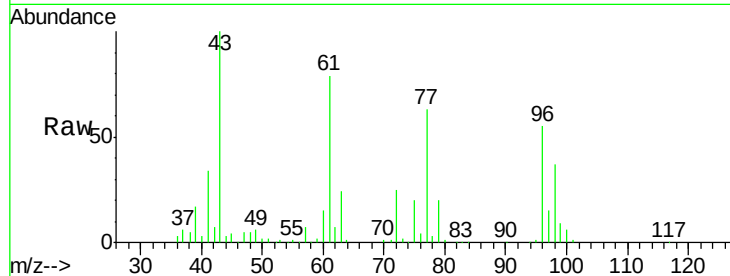
cis-1,2-Dichloroethene  
Concen: 48.145 ug/l  
RT: 7.02 min Scan# 866  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 146.3 | 0.0  | 290.6 |       |
| 98      | 64.9  | 0.0  | 128.0 |       |

Manual Integrations  
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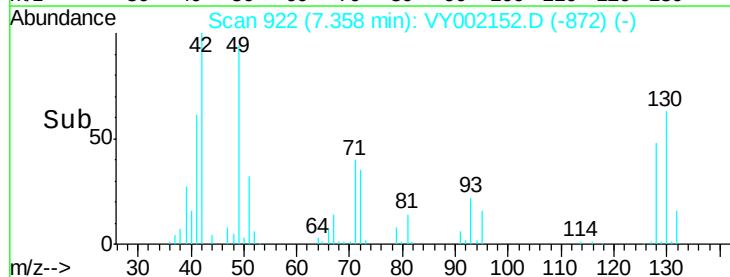
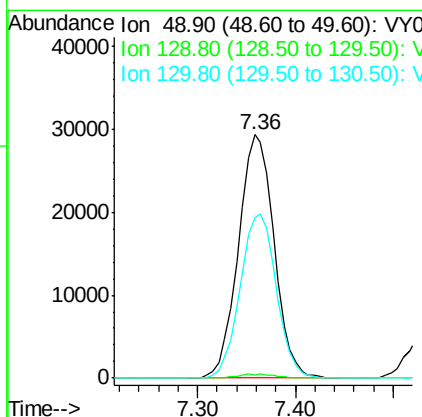
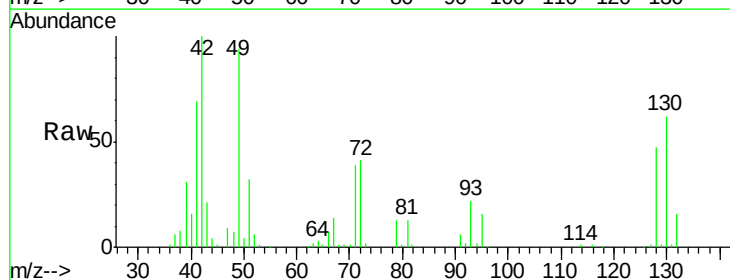
MMDadoda  
4/2/2020 10:12:54 AM

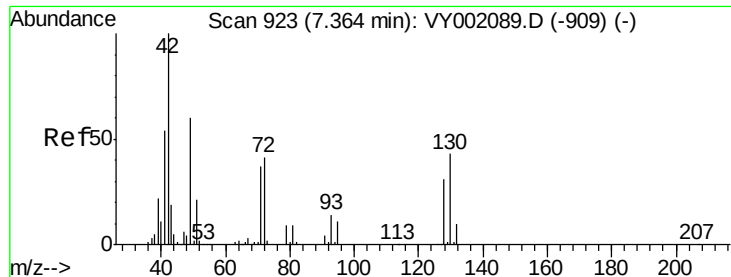


#28

Bromochloromethane  
Concen: 47.670 ug/l  
RT: 7.36 min Scan# 922  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 1.7   | 0.0  | 3.4   |       |
| 130     | 68.4  | 54.1 | 81.1  |       |





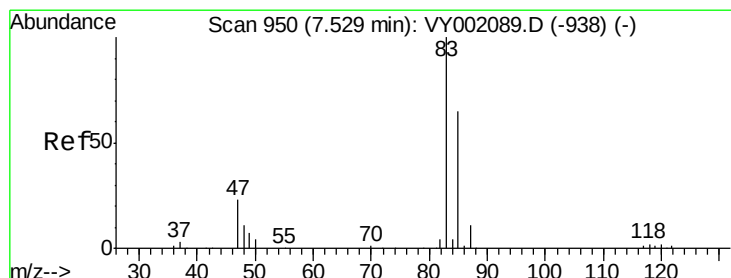
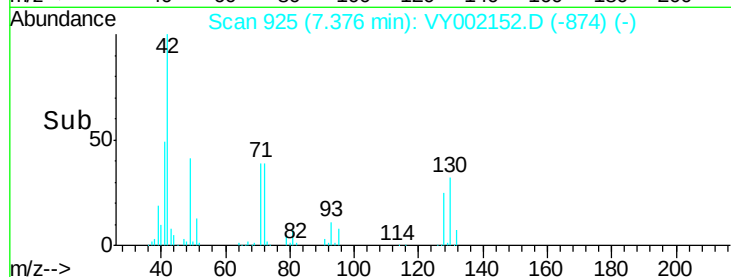
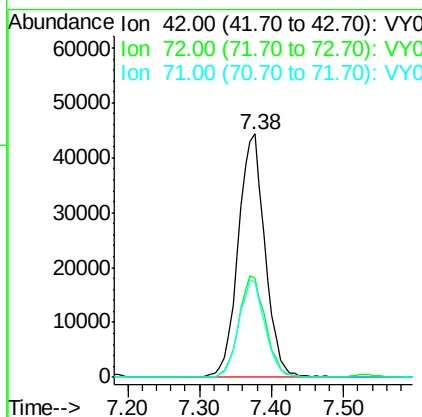
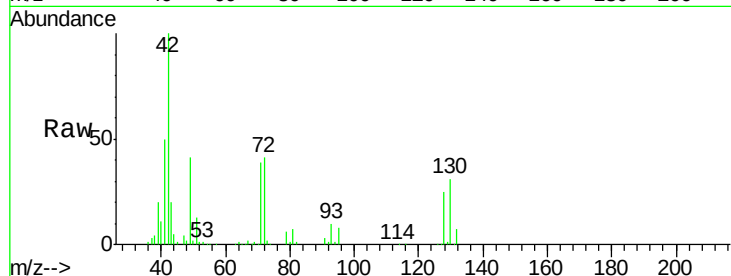
#29  
Tetrahydrofuran  
Concen: 230.877 ug/l  
RT: 7.38 min Scan# 925  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 42    | Resp: | 114372 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 41.4  | 33.0  | 49.4   |
| 71       | 39.1  | 31.2  | 46.8   |

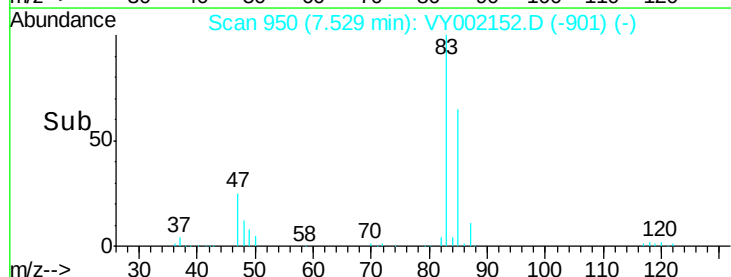
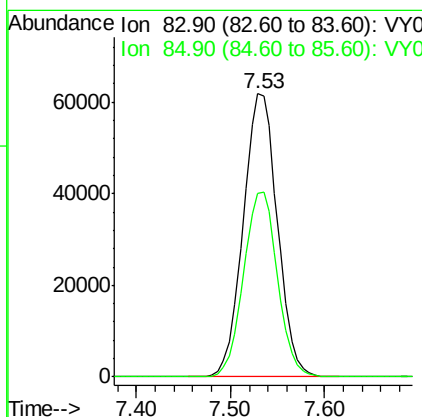
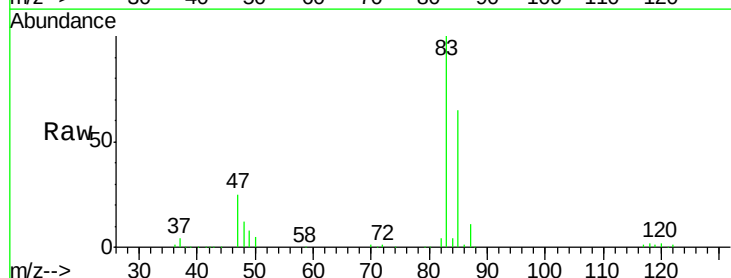
Manual Integrations  
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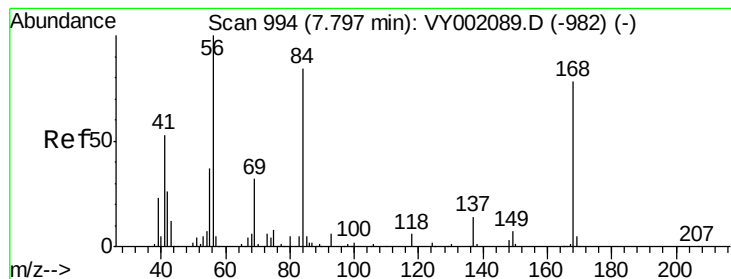
MMDadoda  
4/2/2020 10:12:54 AM



#30  
Chloroform  
Concen: 48.416 ug/l  
RT: 7.53 min Scan# 950  
Delta R.T. 0.00 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 157153 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.7  | 52.4  | 78.6   |





#31

Cyclohexane

Concen: 45.648 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

Instrument :

MSVOA\_Y

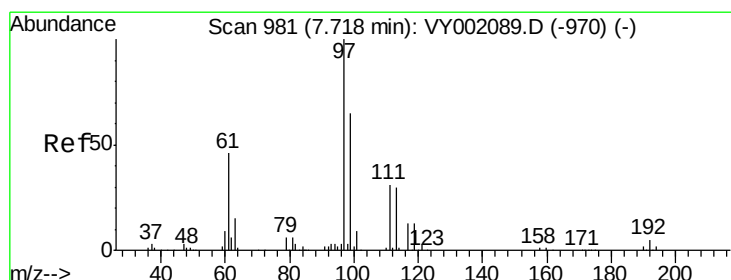
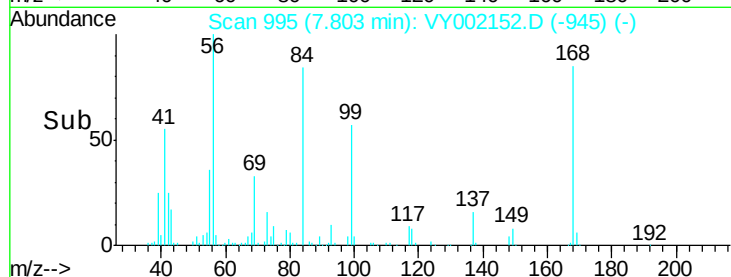
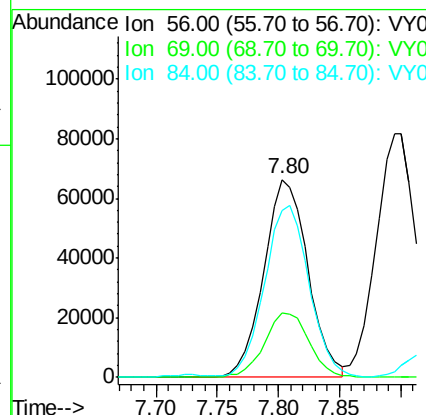
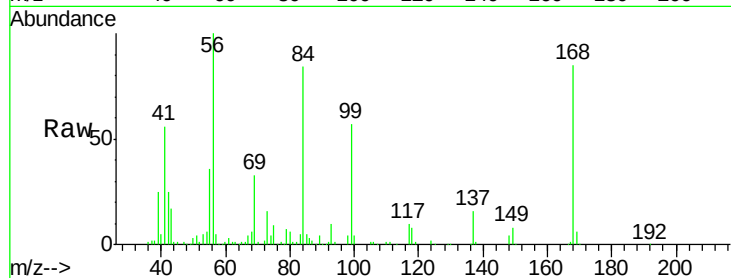
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 166566 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 32.5  | 25.8  | 38.8   |
| 84       | 83.1  | 67.1  | 100.7  |

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4/2/2020 10:12:54 AM



#32

1,1,1-Trichloroethane

Concen: 48.690 ug/l

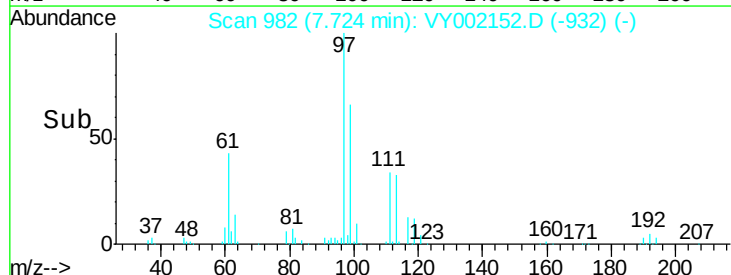
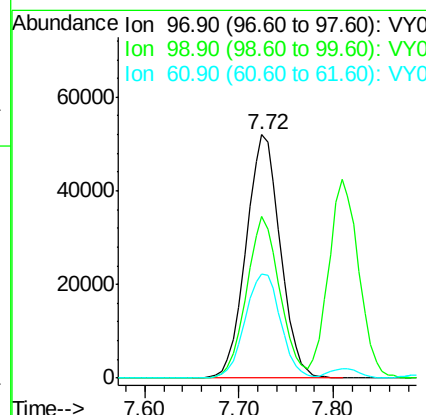
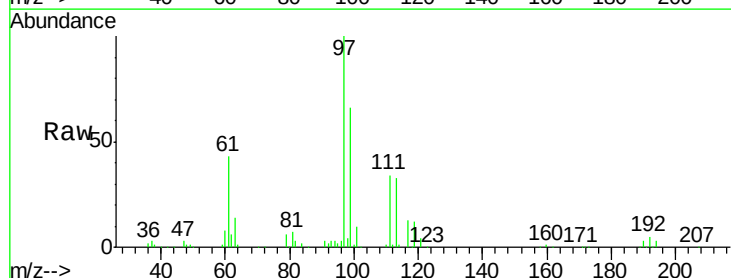
RT: 7.72 min Scan# 982

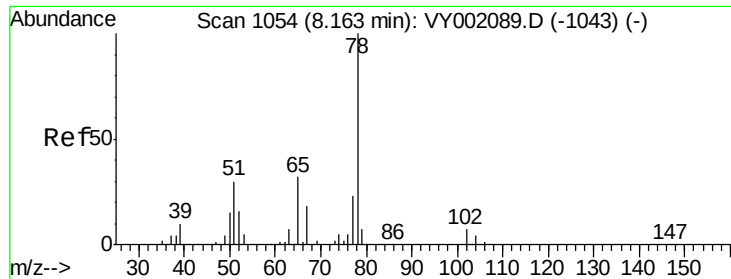
Delta R.T. 0.01 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 131953 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.8  | 52.0  | 78.0   |
| 61       | 44.5  | 35.7  | 53.5   |





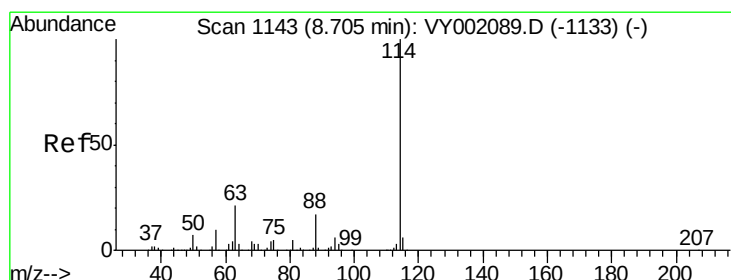
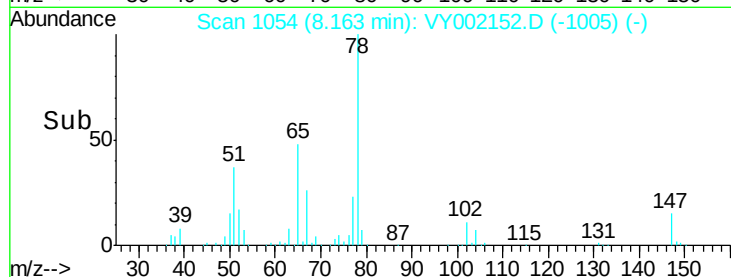
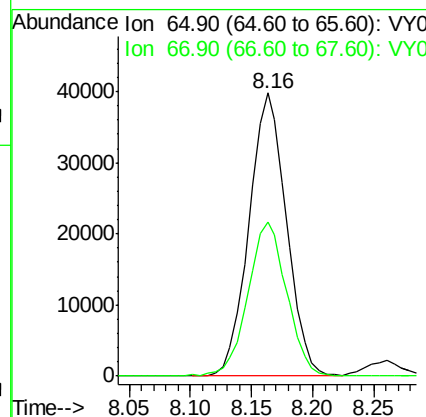
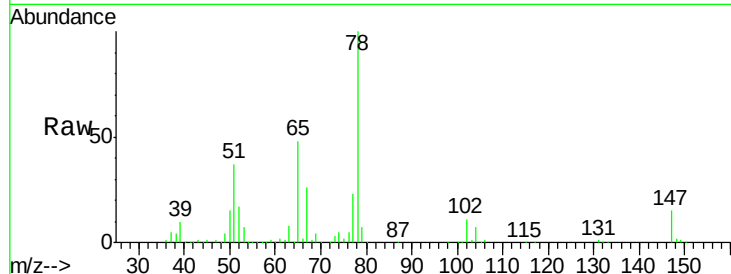
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.394 ug/l  
 RT: 8.16 min Scan# 1054  
 Delta R.T. 0.00 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 56.6  | 0.0  | 112.8 |       |

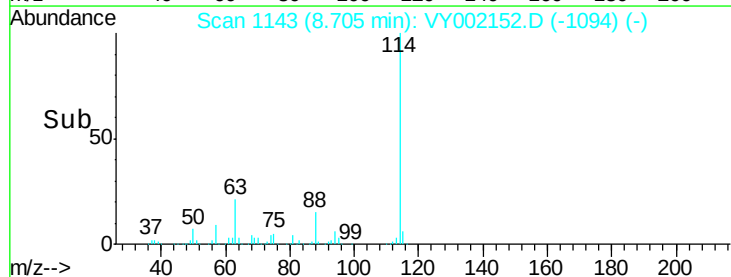
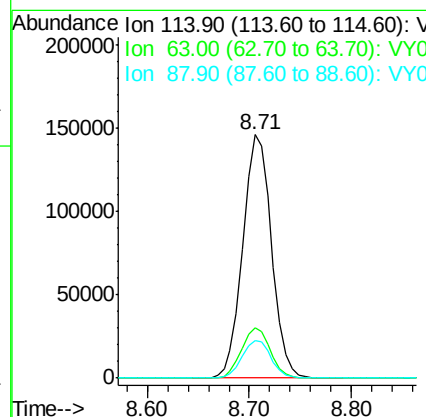
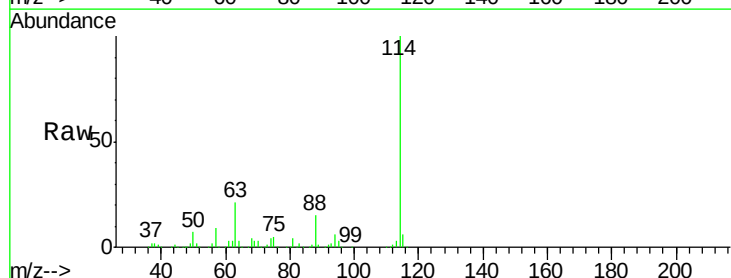
Manual Integrations  
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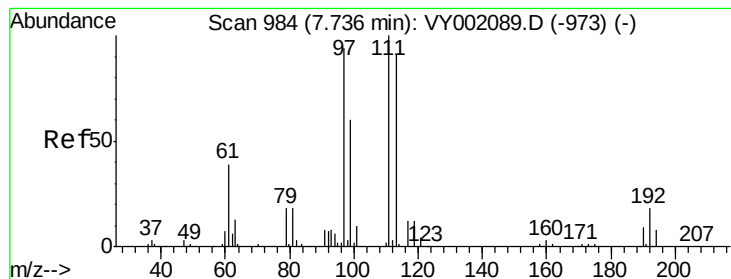
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1143  
 Delta R.T. 0.00 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 20.9  | 0.0  | 41.4  |       |
| 88      | 15.4  | 0.0  | 33.0  |       |





#35

Dibromofluoromethane

Concen: 49.518 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

Instrument :

MSVOA\_Y

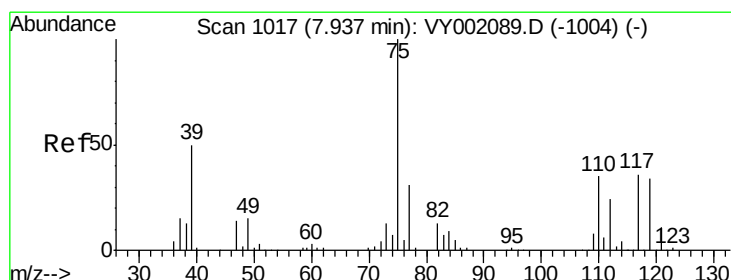
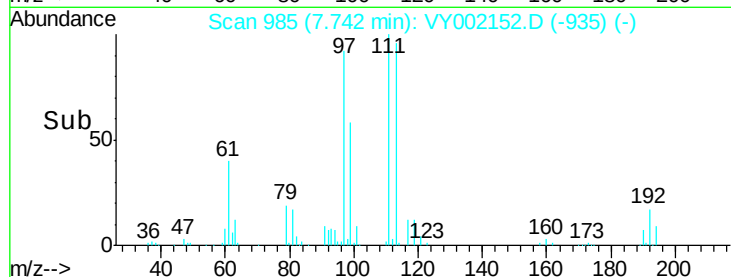
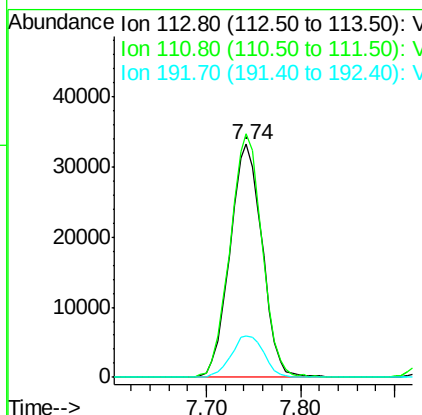
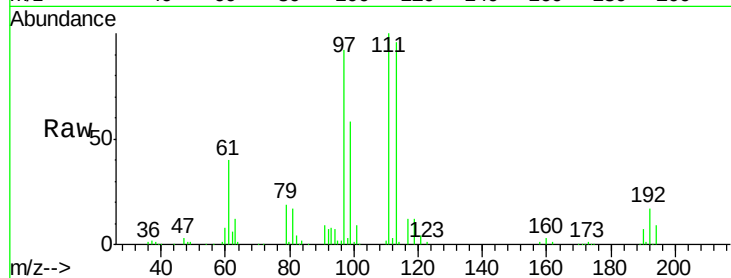
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 79084 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.7 | 84.4  | 126.6 |
| 192      | 18.1  | 14.6  | 21.8  |

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4/2/2020 10:12:54 AM



#36

1,1-Dichloropropene

Concen: 48.603 ug/l

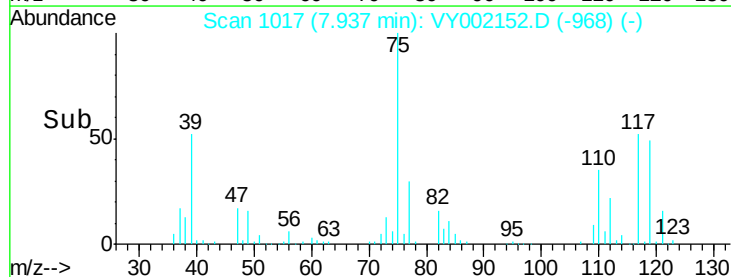
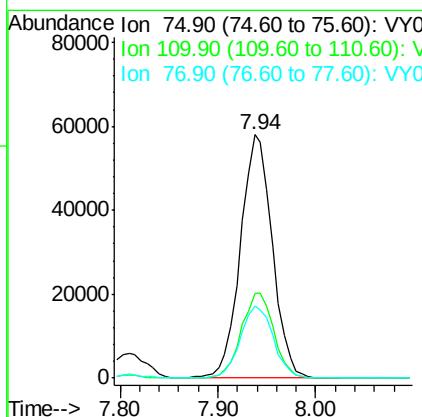
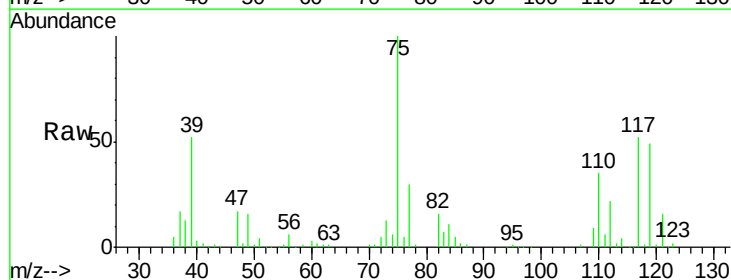
RT: 7.94 min Scan# 1017

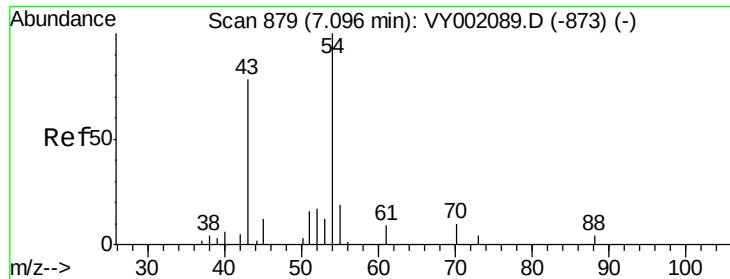
Delta R.T. 0.00 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 131036 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 35.4  | 17.2  | 51.6   |
| 77       | 30.6  | 24.7  | 37.1   |





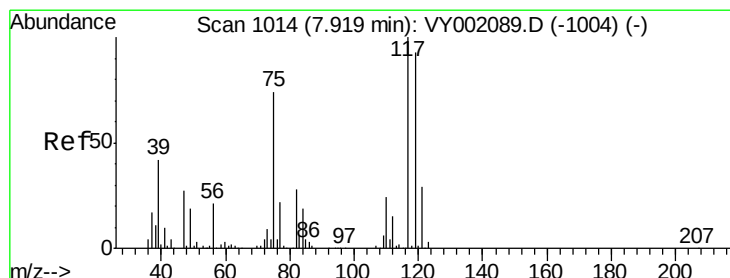
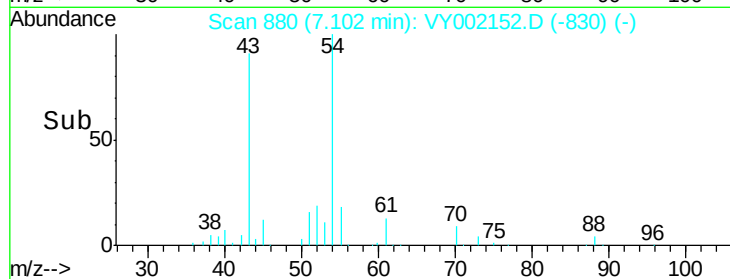
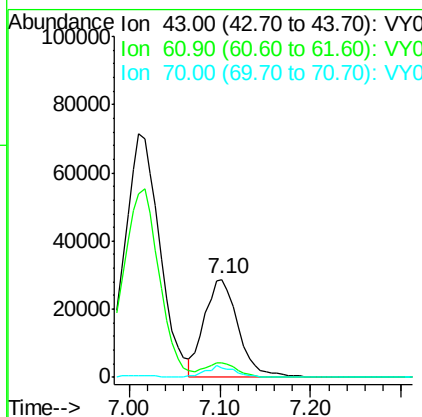
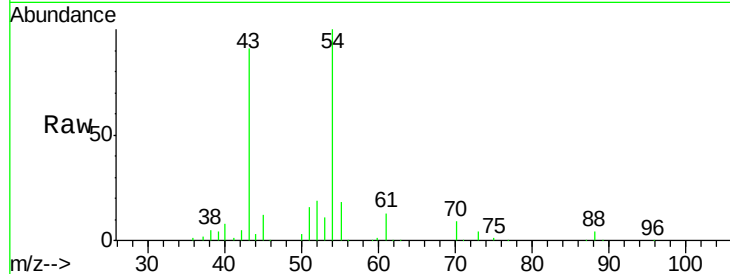
#37  
Ethyl Acetate  
Concen: 46.371 ug/l  
RT: 7.10 min Scan# 880  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.2  | 11.2  | 16.8  |
| 70      | 10.5  | 8.2   | 12.4  |

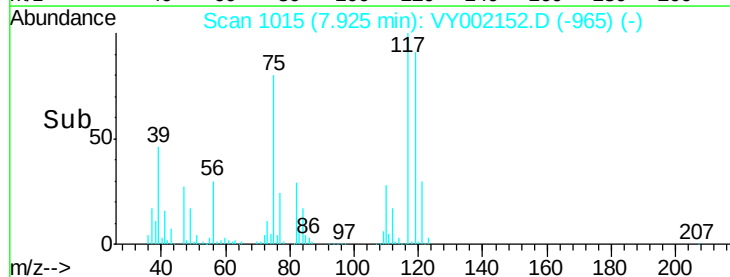
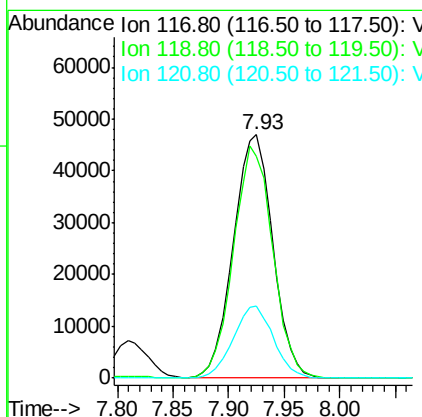
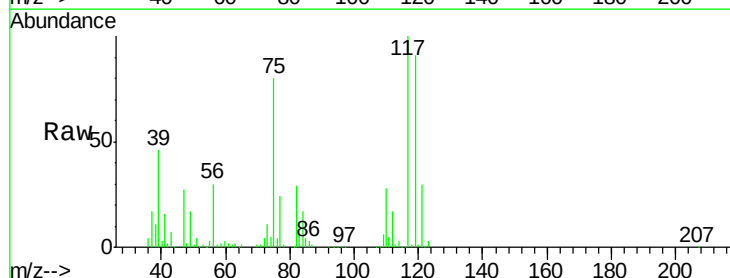
Manual Integrations  
APPROVED

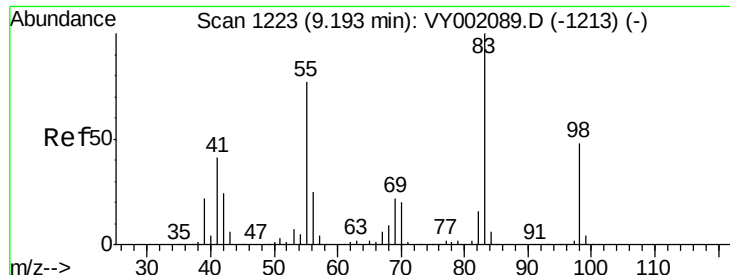
MMDadoda  
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#38  
Carbon Tetrachloride  
Concen: 50.569 ug/l  
RT: 7.93 min Scan# 1015  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 91.3  | 74.3  | 111.5 |
| 121     | 29.6  | 23.3  | 34.9  |





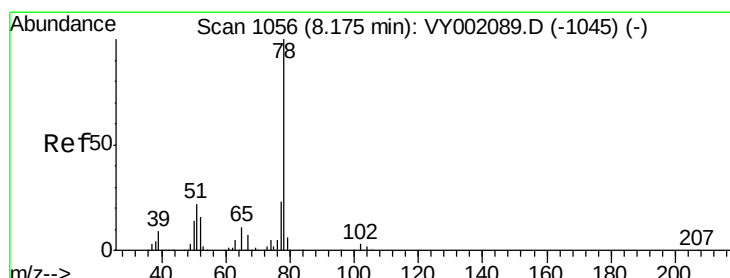
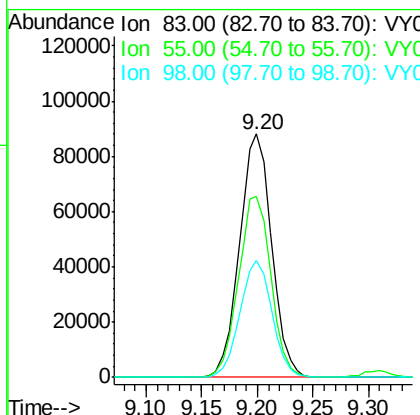
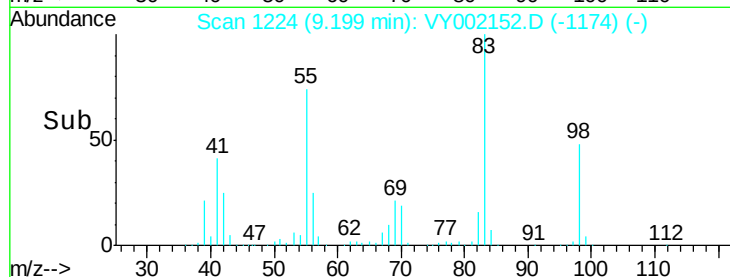
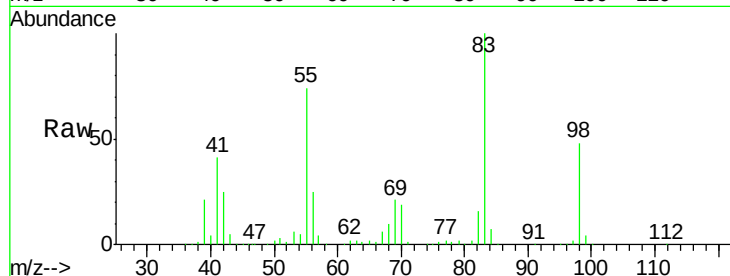
#39  
Methylvlcyclohexane  
Concen: 49.868 ug/l  
RT: 9.20 min Scan# 1224  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 74.5  | 61.2  | 91.8  |
| 98      | 48.0  | 38.2  | 57.2  |

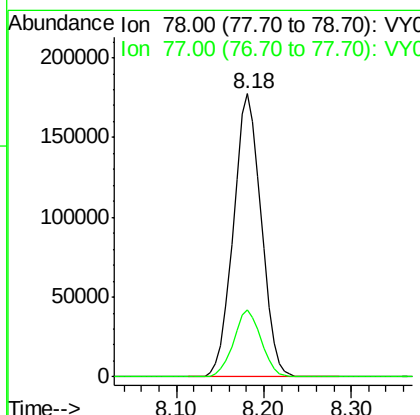
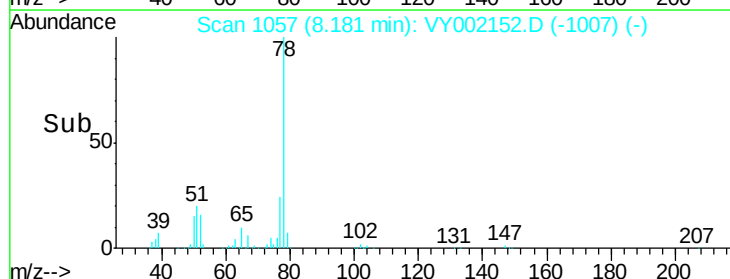
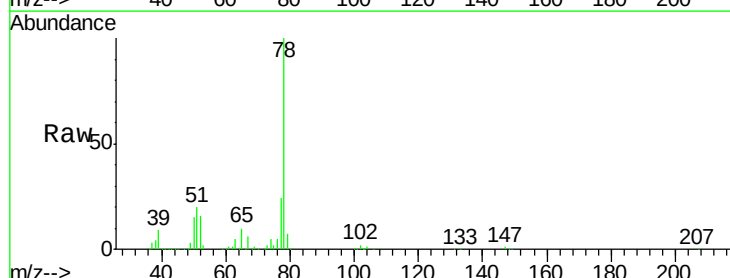
Manual Integrations  
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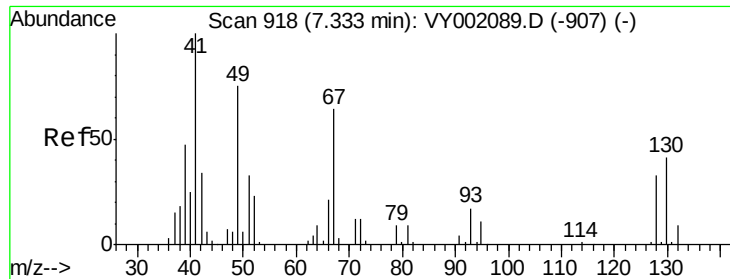


#40  
Benzene  
Concen: 49.068 ug/l  
RT: 8.18 min Scan# 1057  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.6  | 18.2  | 27.4  |







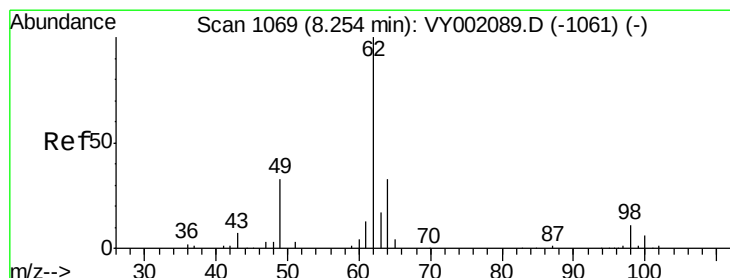
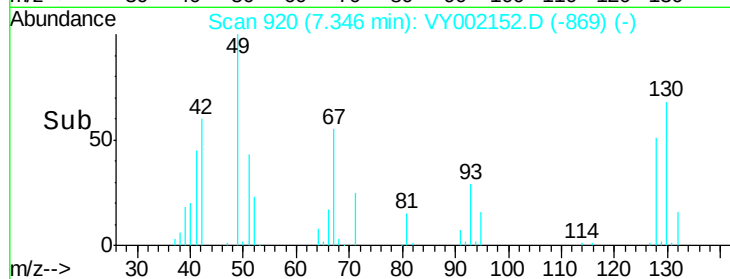
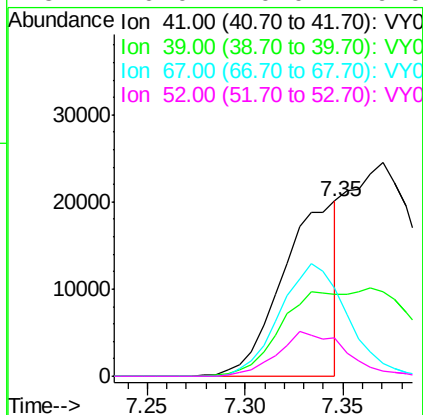
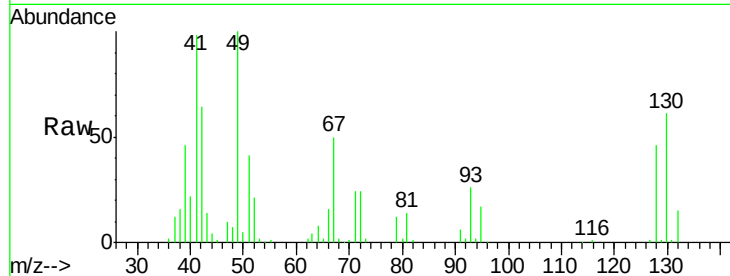
#41  
Methacrylonitrile  
Concen: 48.067 ug/l m  
RT: 7.35 min Scan# 920  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

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

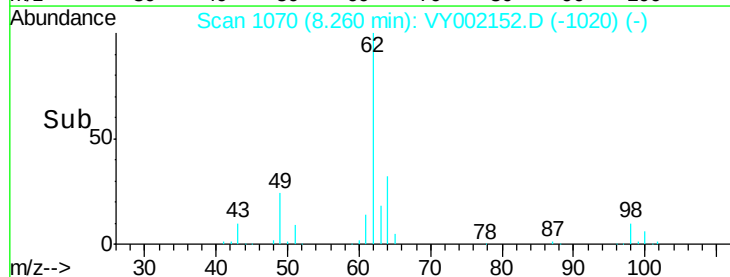
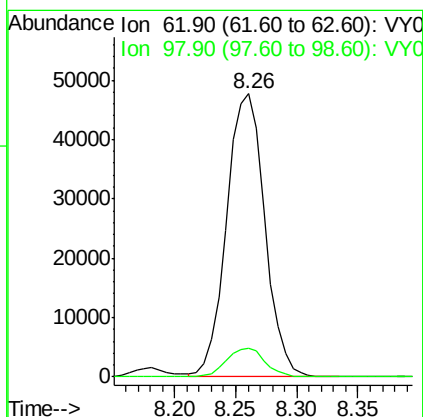
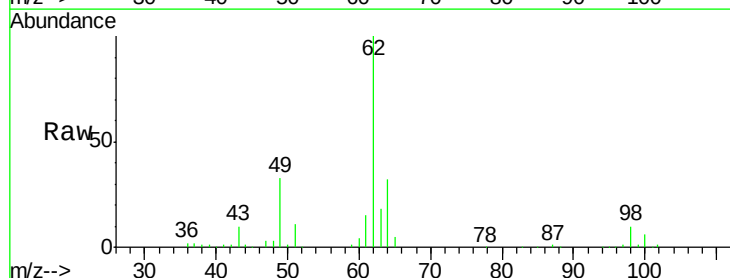
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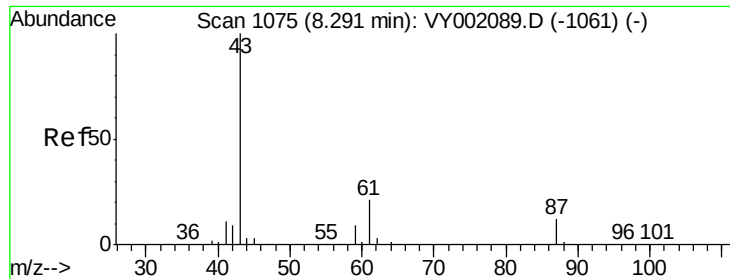
MMDadoda  
4/2/2020 10:12:54 AM



#42  
1,2-Dichloroethane  
Concen: 48.652 ug/l  
RT: 8.26 min Scan# 1070  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.3  | 0.0   | 21.2  |





#43

Isopropyl Acetate

Concen: 47.711 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

Instrument :

MSVOA\_Y

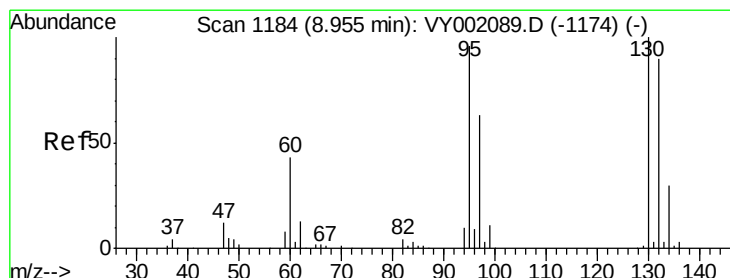
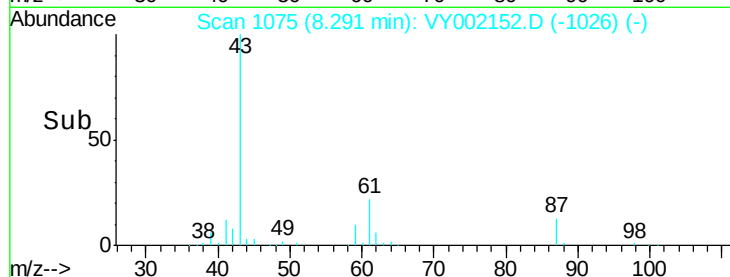
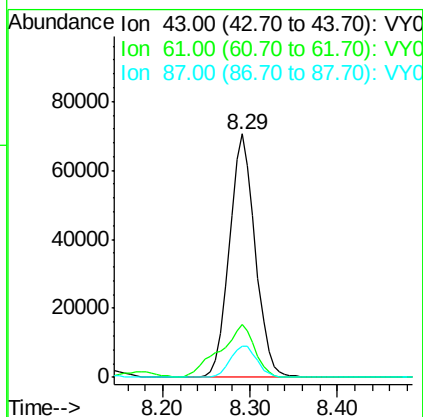
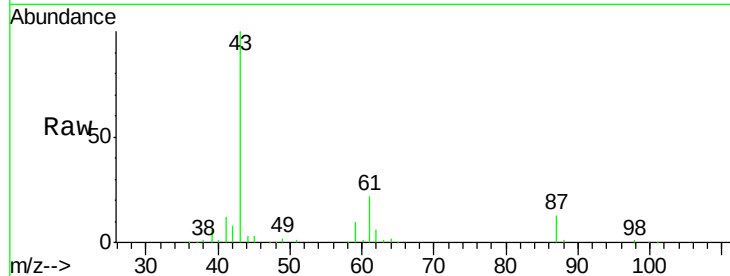
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 144272 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 29.5  | 23.4  | 35.2   |
| 87       | 13.5  | 10.2  | 15.4   |

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4/2/2020 10:12:54 AM



#44

Trichloroethene

Concen: 49.770 ug/l

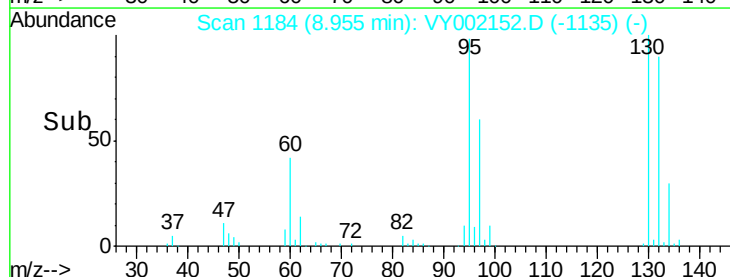
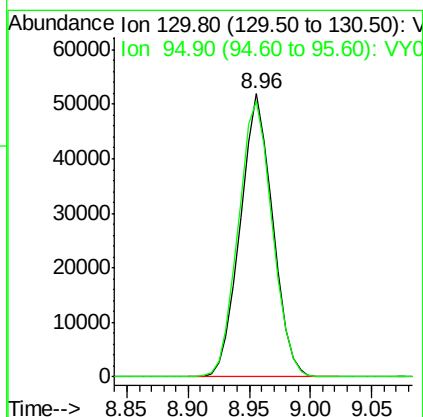
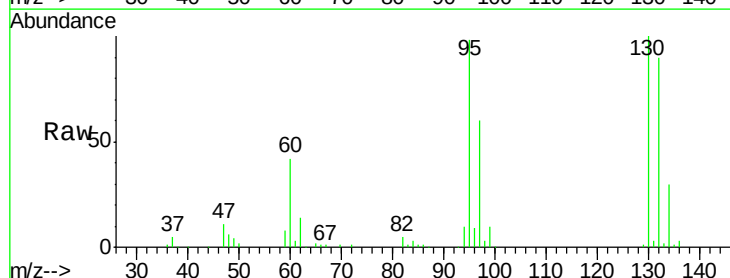
RT: 8.96 min Scan# 1184

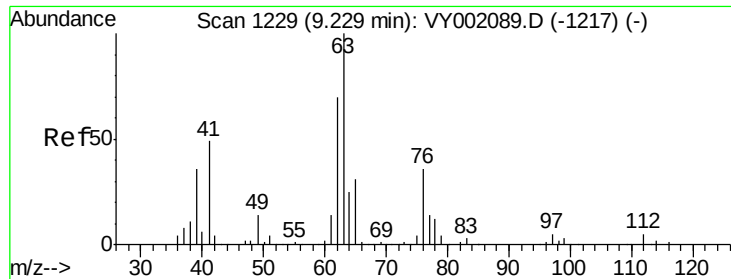
Delta R.T. 0.00 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 95809 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 97.6  | 0.0   | 193.0 |





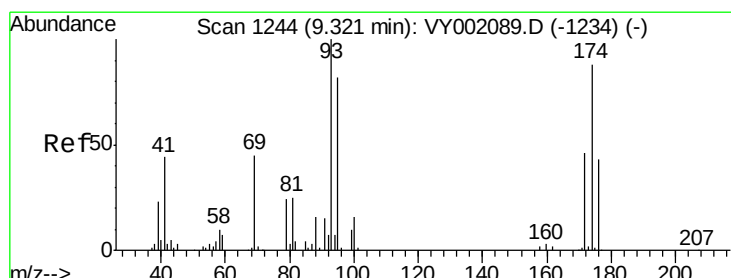
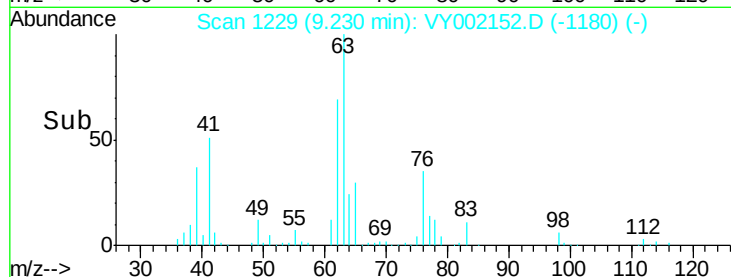
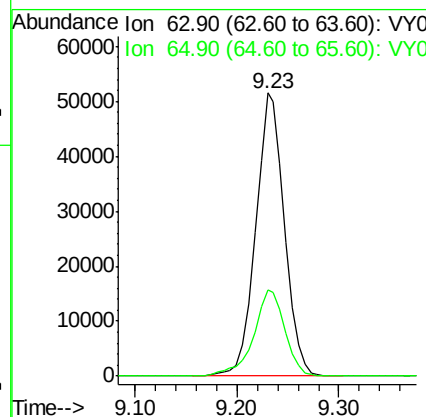
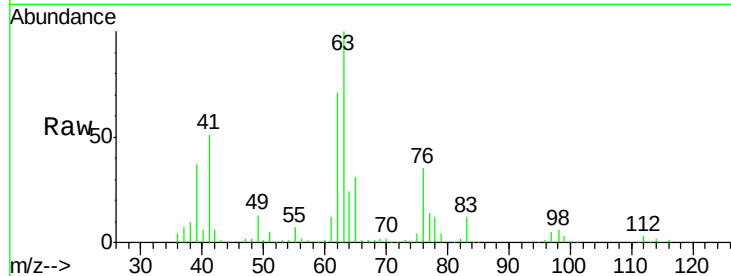
#45  
 1,2-Dichloropropane  
 Concen: 49.381 ug/l  
 RT: 9.23 min Scan# 1229  
 Delta R.T. 0.00 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 63 Resp: 100411  
 Ion Ratio Lower Upper  
 63 100  
 65 30.5 25.0 37.6

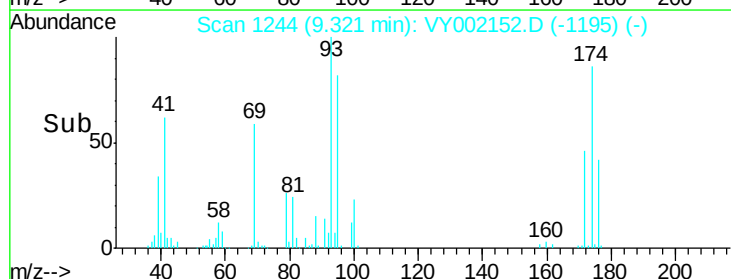
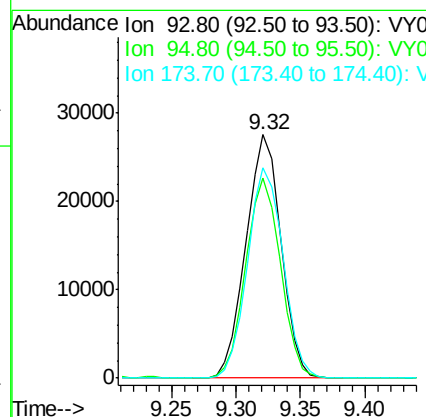
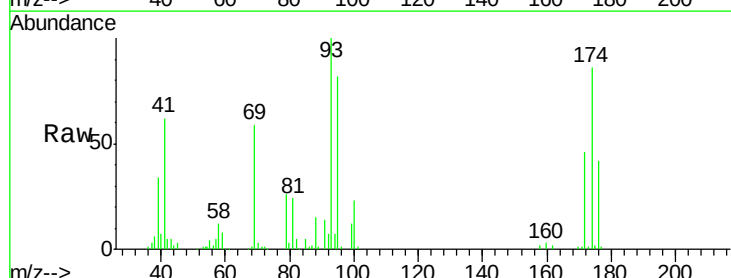
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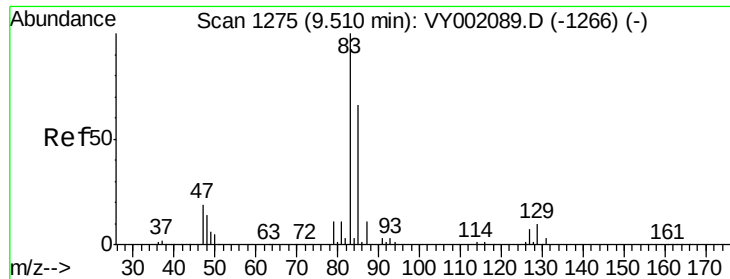
MMDadoda  
 4/2/2020 10:12:54 AM



#46  
 Dibromomethane  
 Concen: 49.840 ug/l  
 RT: 9.32 min Scan# 1244  
 Delta R.T. 0.00 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

Tgt Ion: 93 Resp: 52047  
 Ion Ratio Lower Upper  
 93 100  
 95 81.1 66.0 99.0  
 174 87.2 69.8 104.8





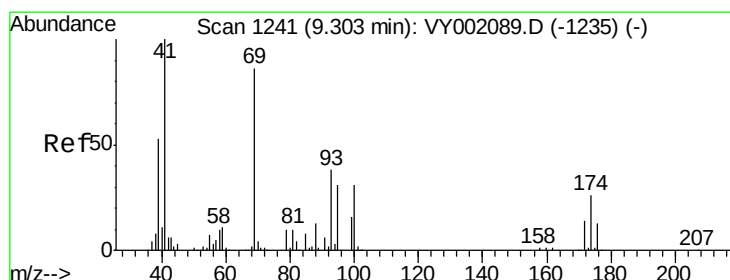
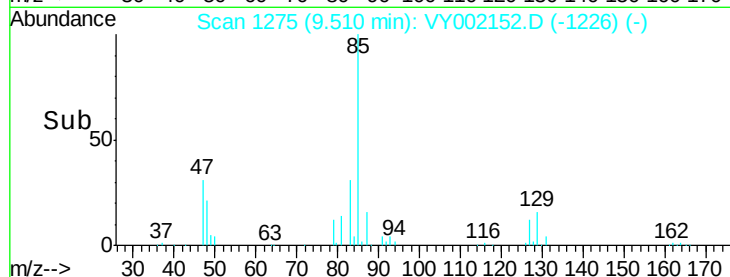
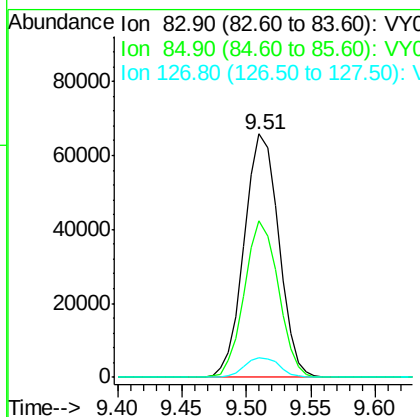
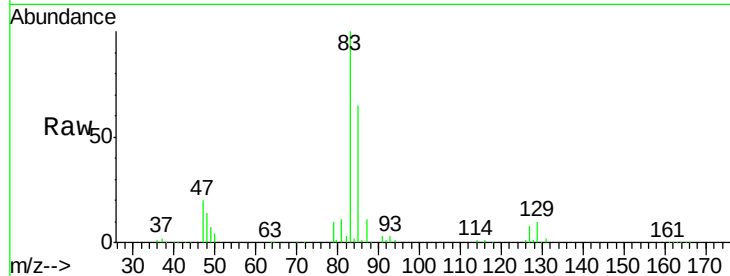
#47  
 Bromodichloromethane  
 Concen: 50.335 ug/l  
 RT: 9.51 min Scan# 1275  
 Delta R.T. 0.00 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 122365 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.5  | 52.6  | 79.0   |
| 127       | 8.0   | 5.9   | 8.9    |

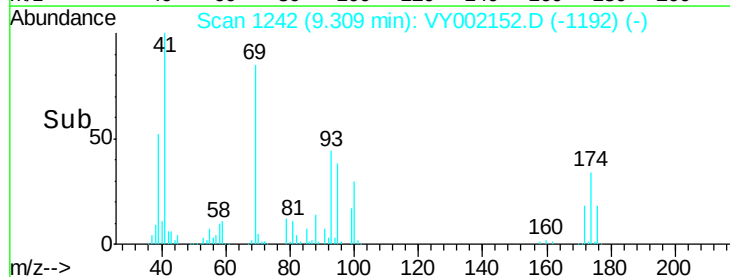
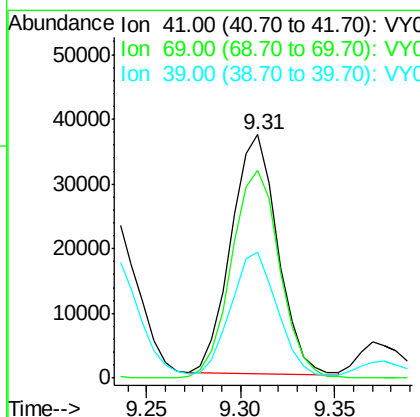
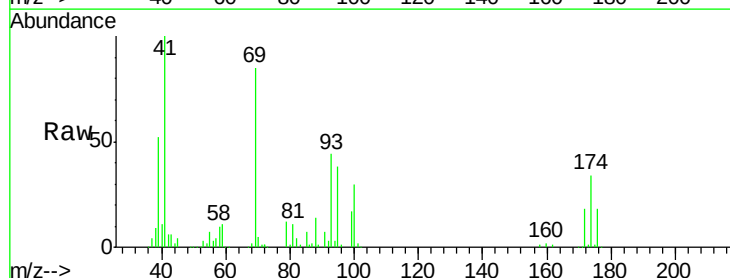
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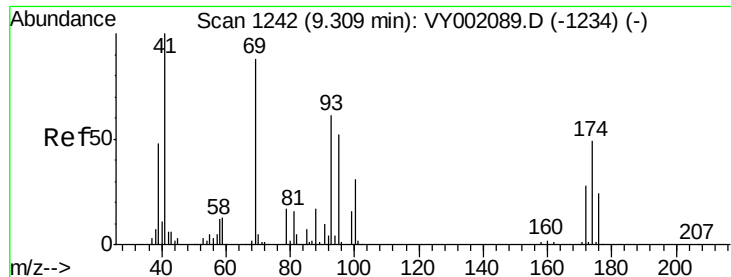
MMDadoda  
 4/2/2020 10:12:54 AM



#48  
 Methyl methacrylate  
 Concen: 46.807 ug/l  
 RT: 9.31 min Scan# 1242  
 Delta R.T. 0.01 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 63428 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 90.1  | 71.4  | 107.0 |
| 39        | 50.8  | 41.0  | 61.4  |





#49

1,4-Dioxane

Concen: 890.723 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

Instrument :

MSVOA\_Y

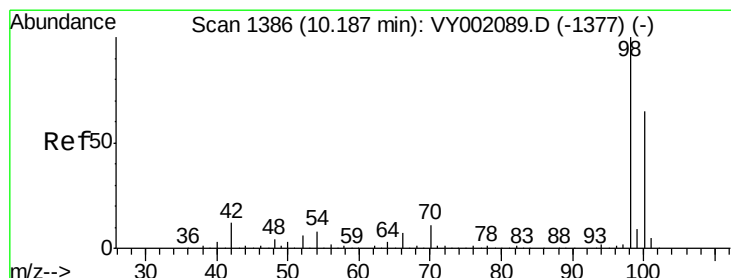
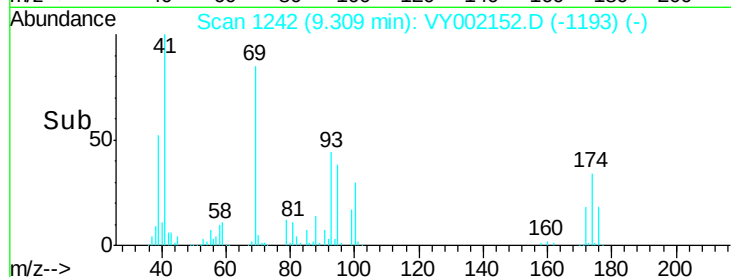
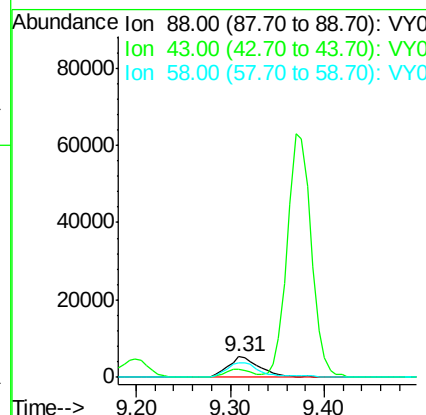
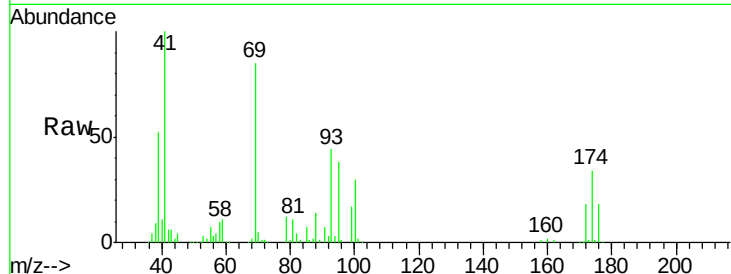
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 12764 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 34.2  | 27.2  | 40.8  |
| 58       | 70.6  | 59.8  | 89.8  |

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4/2/2020 10:12:54 AM



#50

Toluene-d8

Concen: 49.890 ug/l

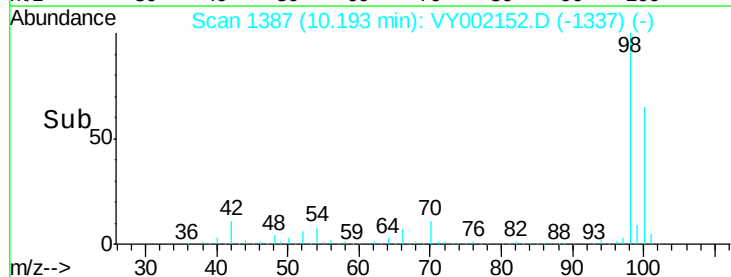
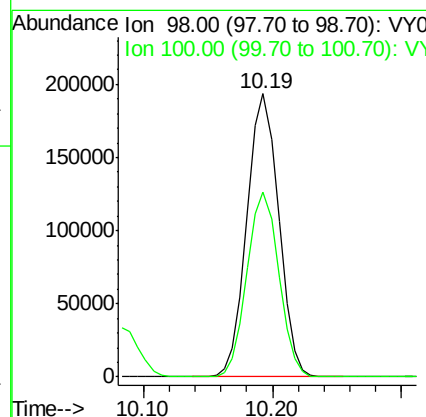
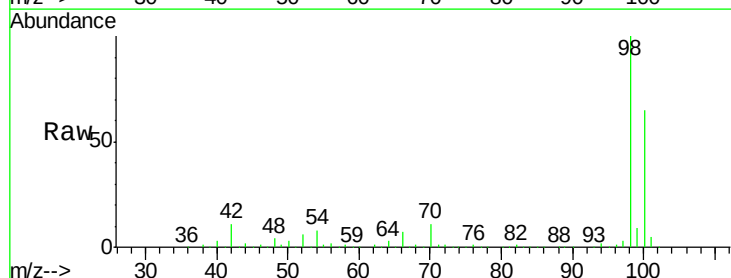
RT: 10.19 min Scan# 1387

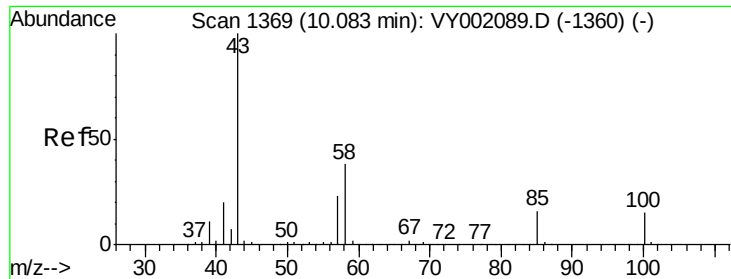
Delta R.T. 0.01 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 331007 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 65.4  | 51.6  | 77.4   |





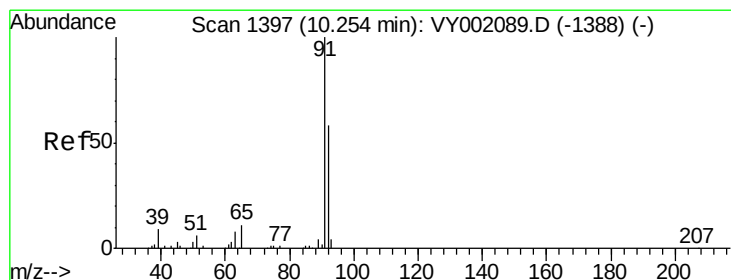
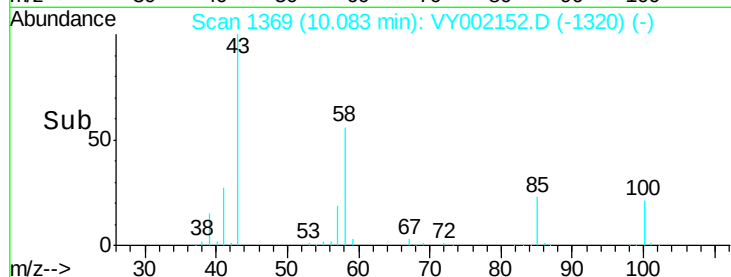
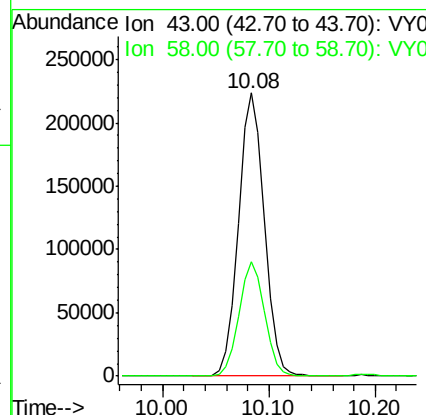
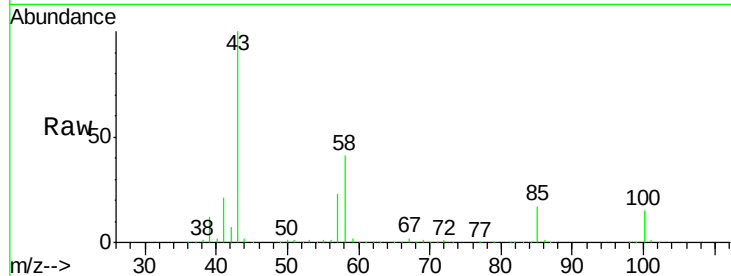
#51  
4-Methyl-2-Pentanone  
Concen: 244.726 ug/l  
RT: 10.08 min Scan# 1369  
Delta R.T. 0.00 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 43   | 58 | Ratio | Lower | Upper | Resp   |
|---------|------|----|-------|-------|-------|--------|
| 43      | 100  |    |       |       |       | 381054 |
| 58      | 40.1 |    | 31.6  | 47.4  |       |        |

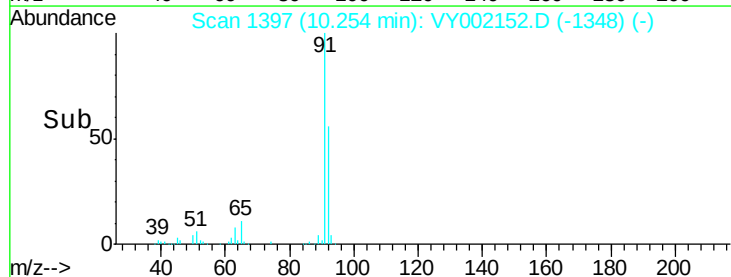
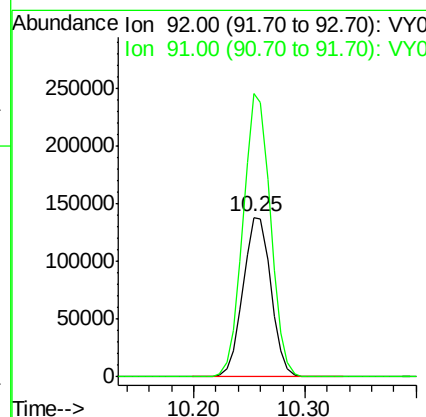
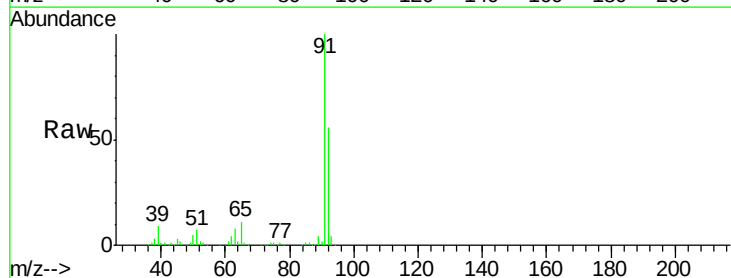
Manual Integrations  
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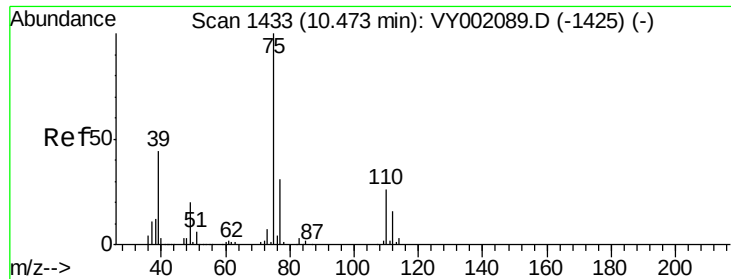
MMDadoda  
4/2/2020 10:12:54 AM



#52  
Toluene  
Concen: 49.767 ug/l  
RT: 10.25 min Scan# 1397  
Delta R.T. 0.00 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

| Tgt Ion | 92    | 91 | Ratio | Lower | Upper | Resp   |
|---------|-------|----|-------|-------|-------|--------|
| 92      | 100   |    |       |       |       | 240384 |
| 91      | 174.3 |    | 139.3 | 208.9 |       |        |





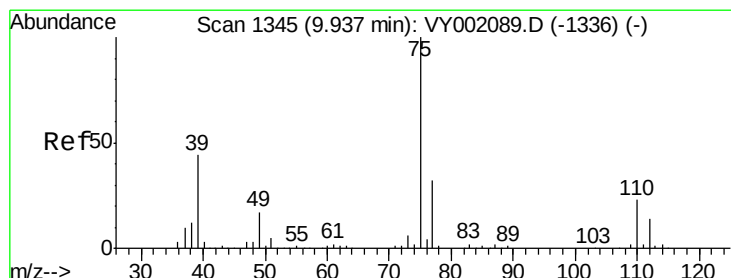
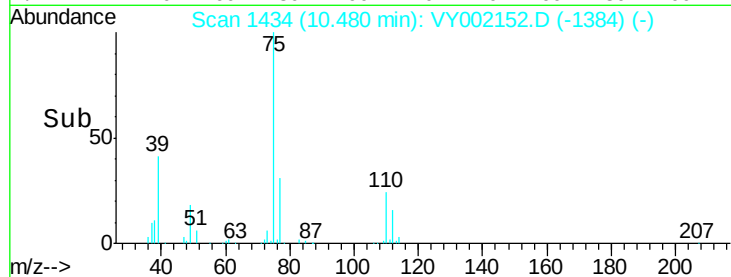
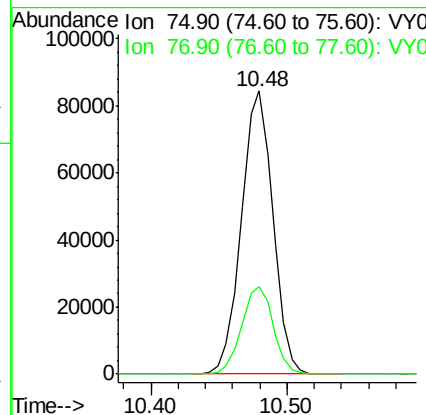
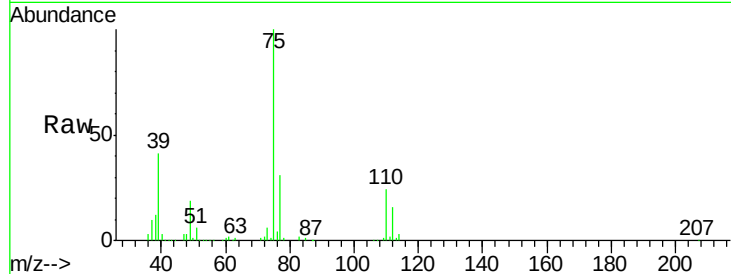
#53  
 t-1,3-Dichloropropene  
 Concen: 50.555 ug/l  
 RT: 10.48 min Scan# 1434  
 Delta R.T. 0.01 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 75 Resp: 136410  
 Ion Ratio Lower Upper  
 75 100  
 77 31.0 25.2 37.8

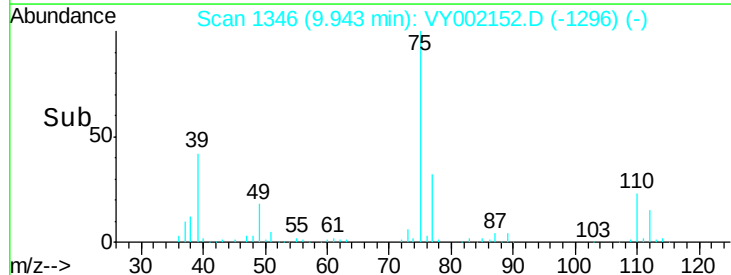
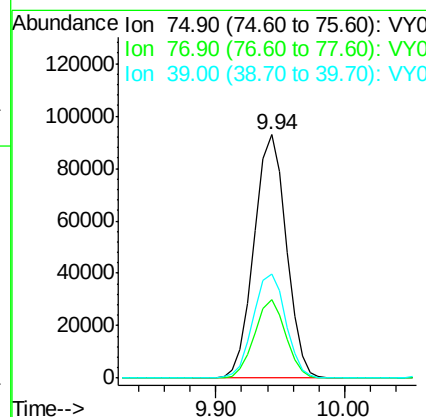
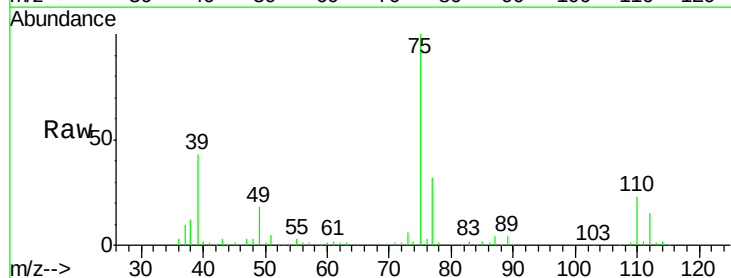
Manual Integrations  
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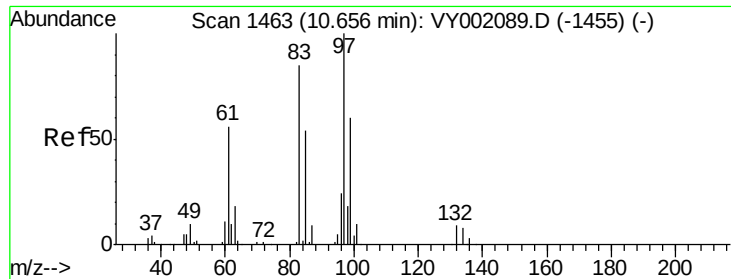
MMDadoda  
 4/2/2020 10:12:54 AM



#54  
 cis-1,3-Dichloropropene  
 Concen: 50.398 ug/l  
 RT: 9.94 min Scan# 1346  
 Delta R.T. 0.01 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

Tgt Ion: 75 Resp: 160107  
 Ion Ratio Lower Upper  
 75 100  
 77 32.4 25.6 38.4  
 39 42.5 35.2 52.8





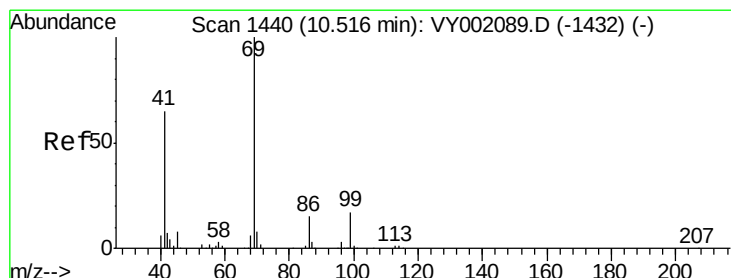
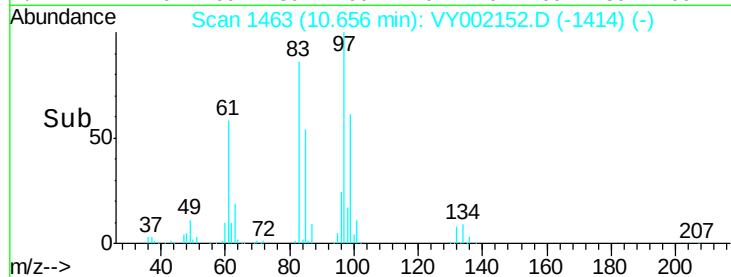
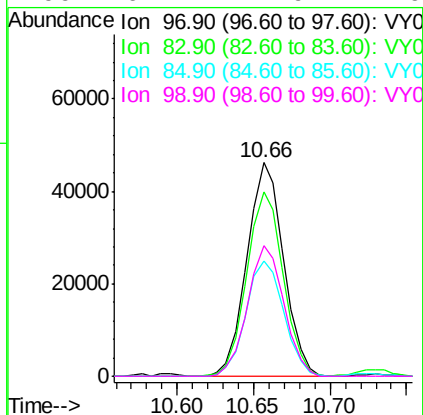
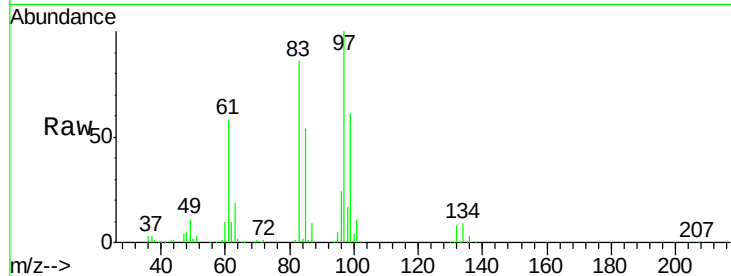
#55  
 1,1,2-Trichloroethane  
 Concen: 49.778 ug/l  
 RT: 10.66 min Scan# 1463  
 Delta R.T. 0.00 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 86.4  | 68.2  | 102.2 |
| 85      | 54.1  | 42.9  | 64.3  |
| 99      | 61.4  | 47.9  | 71.9  |

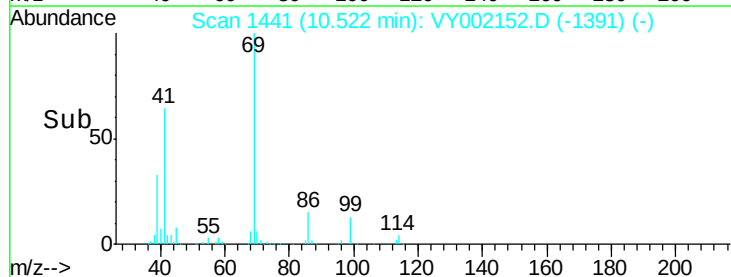
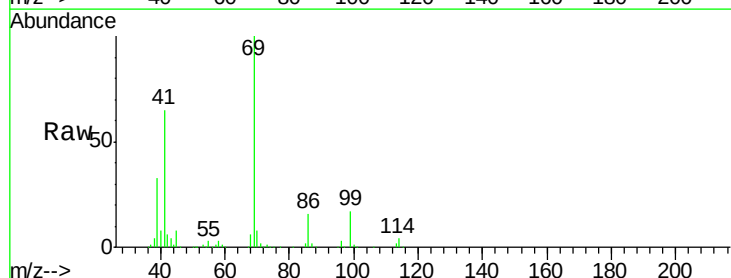
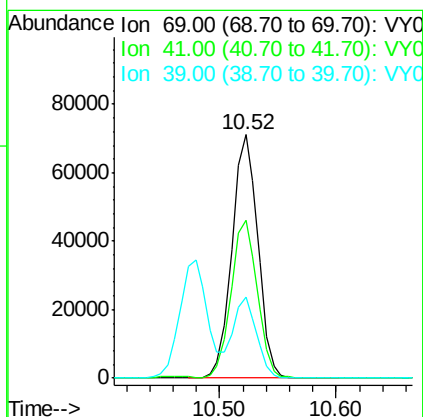
Manual Integrations  
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MMDadoda  
 4/2/2020 10:12:54 AM

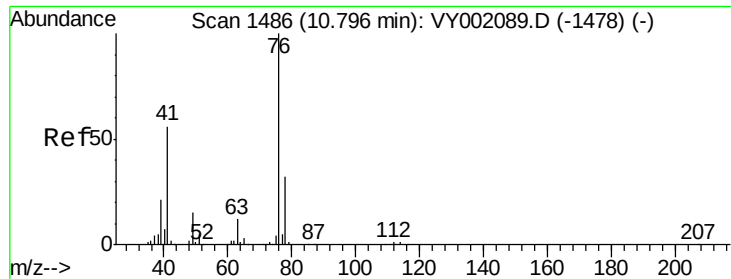


#56  
 Ethyl methacrylate  
 Concen: 48.886 ug/l  
 RT: 10.52 min Scan# 1441  
 Delta R.T. 0.01 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 65.1  | 52.8  | 79.2  |
| 39      | 29.6  | 25.0  | 37.6  |







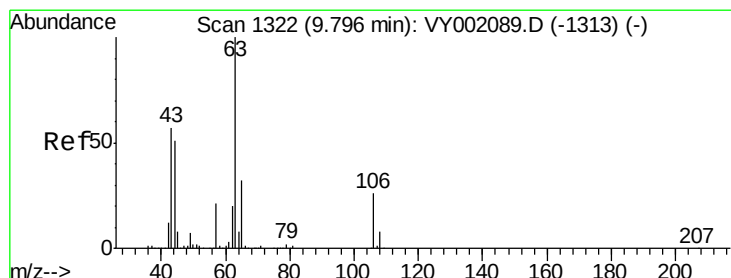
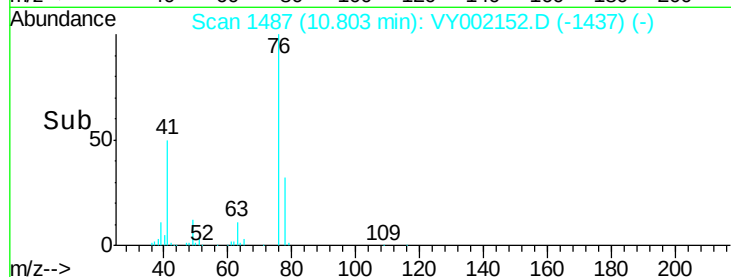
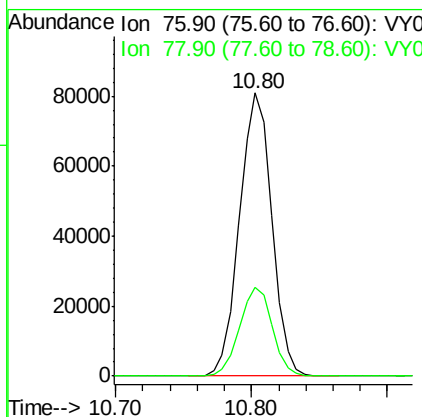
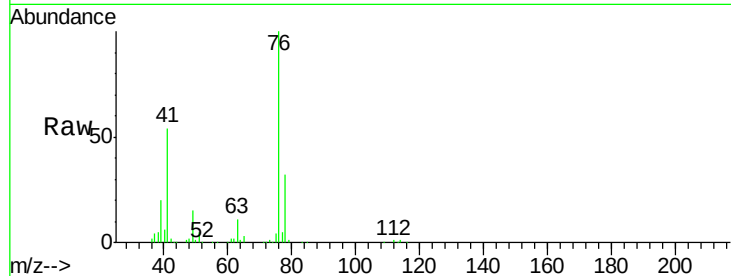
#57  
 1,3-Dichloropropane  
 Concen: 49.156 ug/l  
 RT: 10.80 min Scan# 1487  
 Delta R.T. 0.01 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 31.7  | 26.1  | 39.1  |

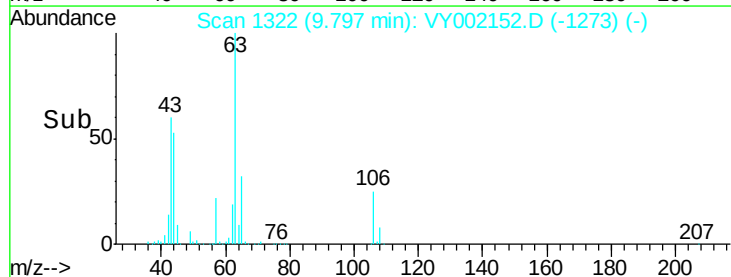
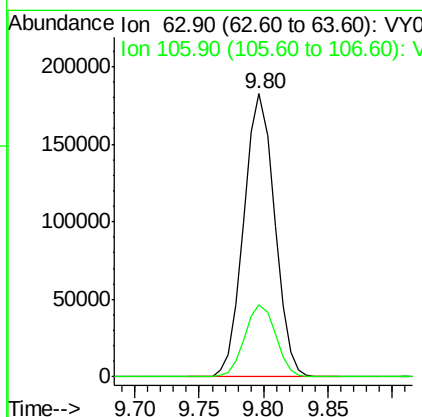
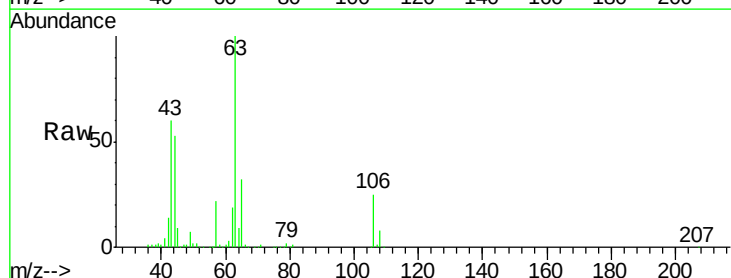
Manual Integrations  
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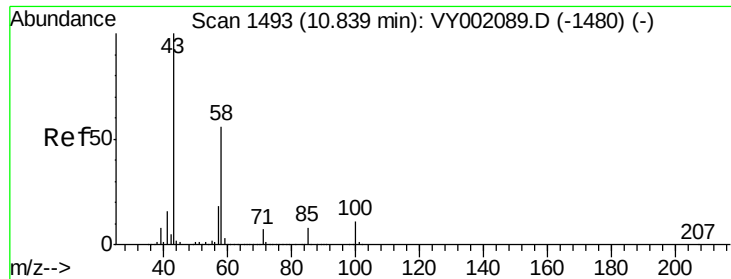
MMDadoda  
 4/2/2020 10:12:54 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 260.369 ug/l  
 RT: 9.80 min Scan# 1322  
 Delta R.T. 0.00 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 25.7  | 21.0  | 31.4  |





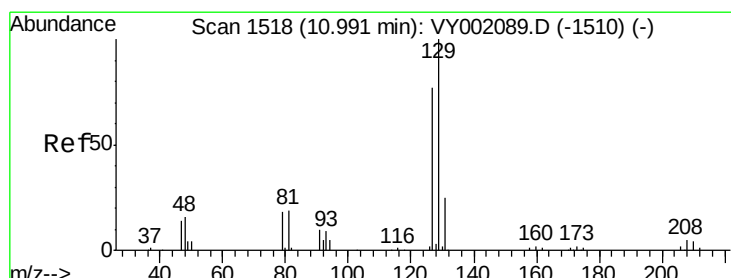
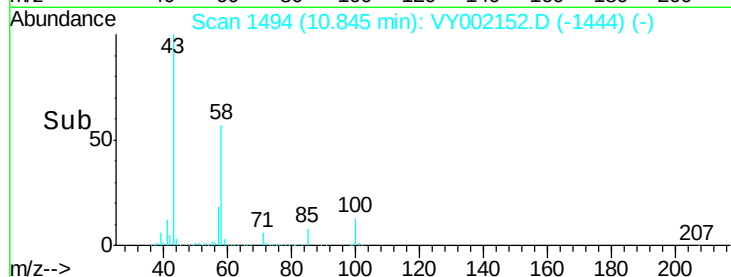
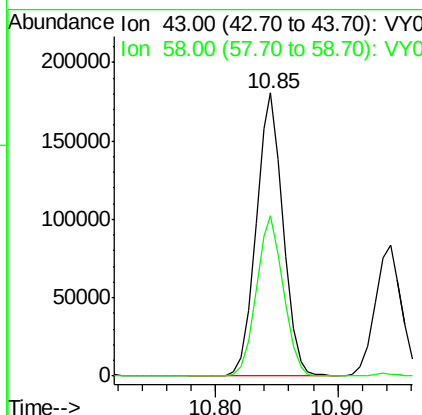
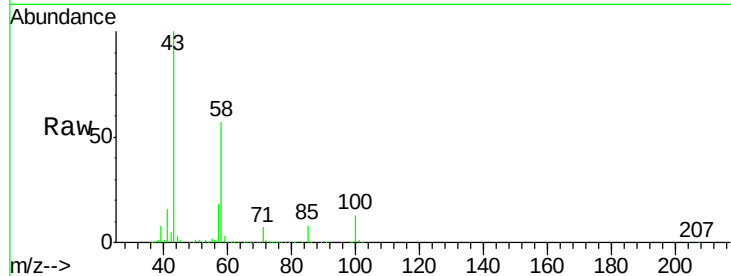
#59  
2-Hexanone  
Concen: 251.611 ug/l  
RT: 10.85 min Scan# 1494  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 275973  
Ion Ratio Lower Upper  
43 100  
58 56.9 27.9 83.6

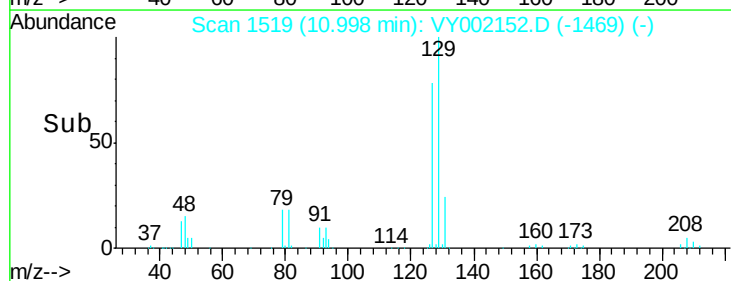
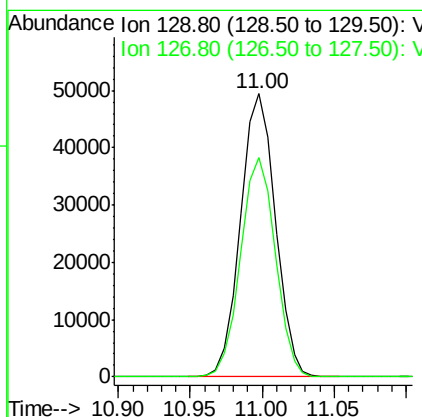
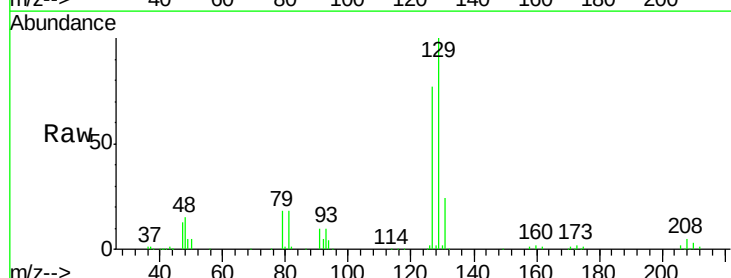
Manual Integrations  
APPROVED

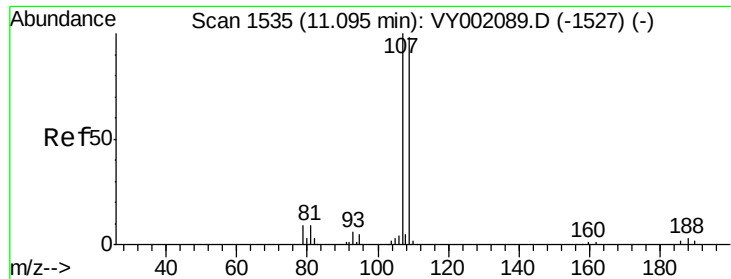
MMDadoda  
4/2/2020 10:12:54 AM



#60  
Dibromochloromethane  
Concen: 51.204 ug/l  
RT: 11.00 min Scan# 1519  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

Tgt Ion: 129 Resp: 82812  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.7 116.1





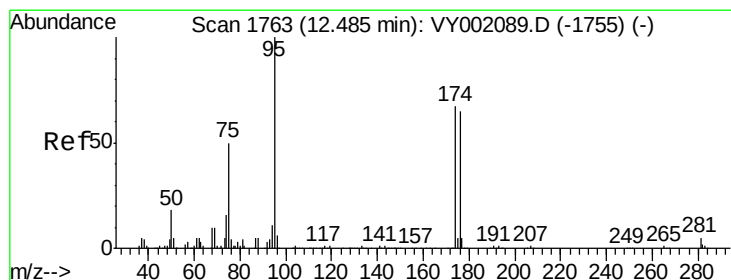
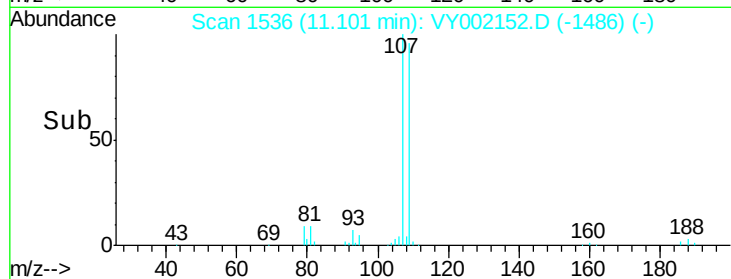
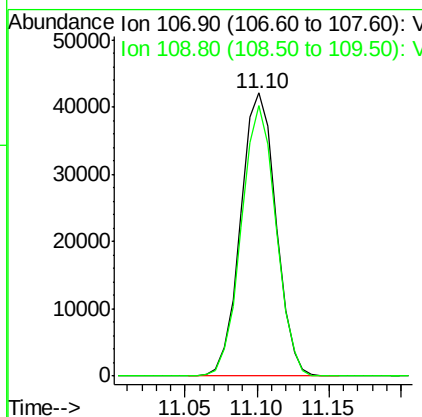
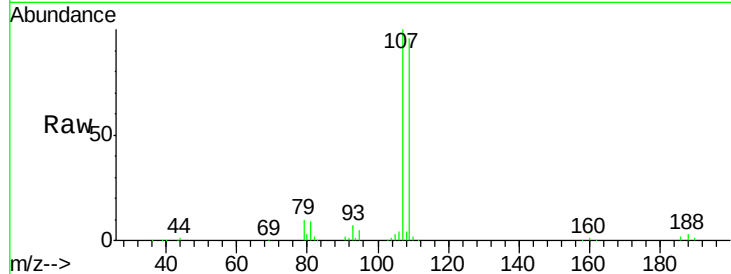
#61  
 1,2-Dibromoethane  
 Concen: 49.389 ug/l  
 RT: 11.10 min Scan# 1536  
 Delta R.T. 0.01 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.5  | 76.3  | 114.5 |

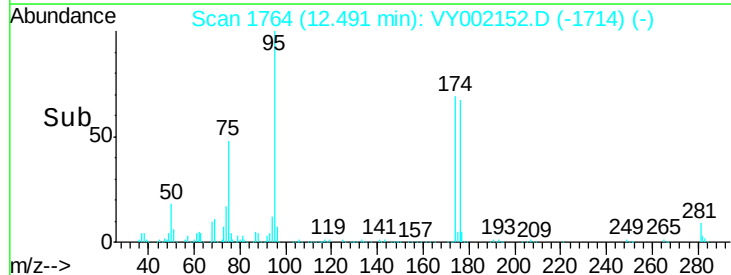
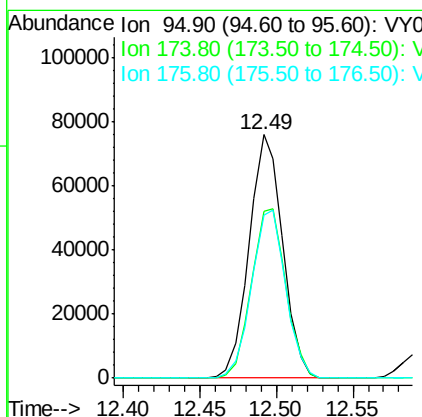
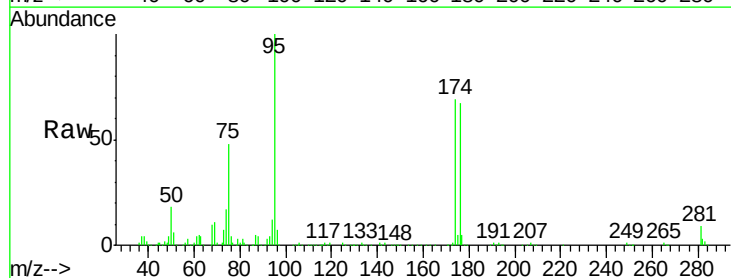
Manual Integrations  
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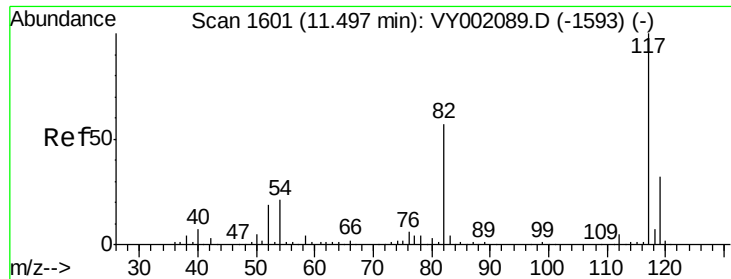
MMDadoda  
 4/2/2020 10:12:54 AM



#62  
 4-Bromofluorobenzene  
 Concen: 49.649 ug/l  
 RT: 12.49 min Scan# 1764  
 Delta R.T. 0.01 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 71.8  | 0.0   | 143.4 |
| 176     | 70.5  | 0.0   | 137.0 |





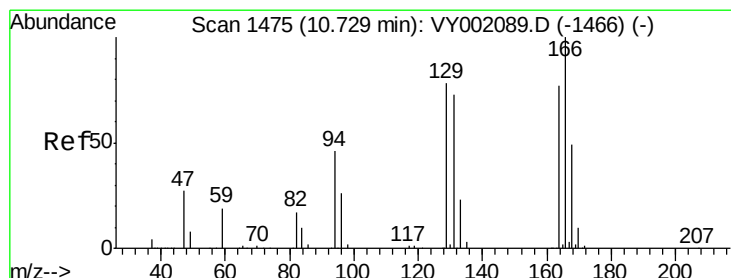
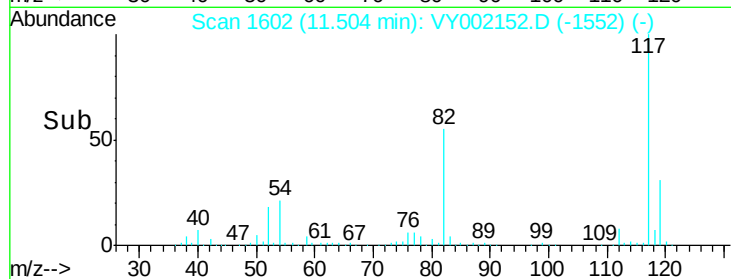
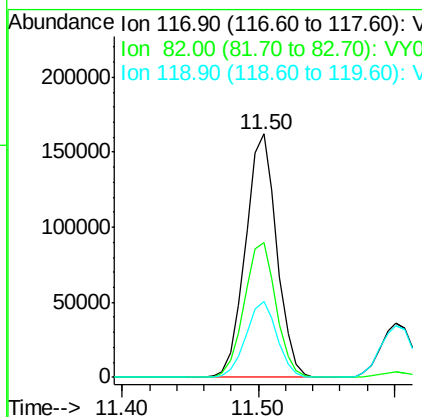
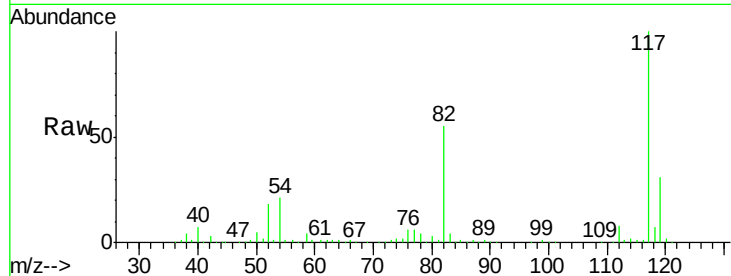
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1602  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.5  | 45.4  | 68.2  |
| 119     | 31.4  | 25.3  | 37.9  |

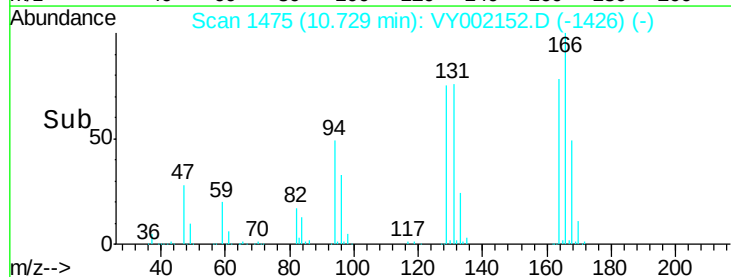
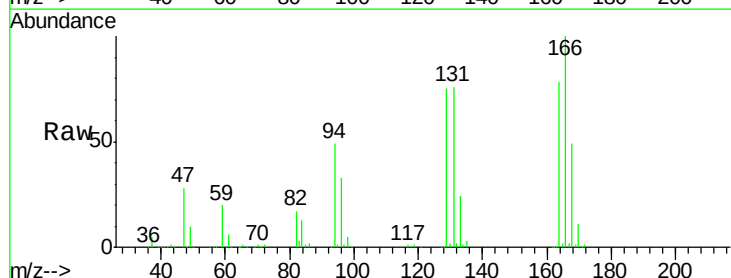
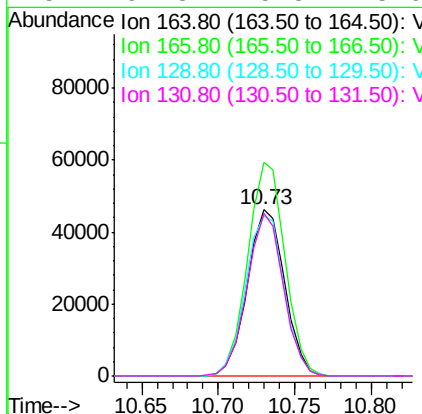
Manual Integrations  
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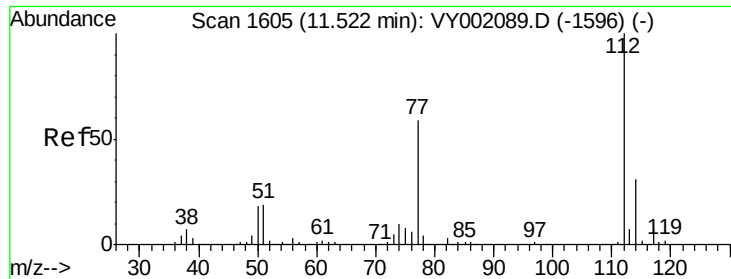
MMDadoda  
4/2/2020 10:12:54 AM



#64  
Tetrachloroethene  
Concen: 49.485 ug/l  
RT: 10.73 min Scan# 1475  
Delta R.T. 0.00 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.6 | 104.0 | 156.0 |
| 129     | 96.3  | 81.2  | 121.8 |
| 131     | 97.8  | 75.8  | 113.6 |





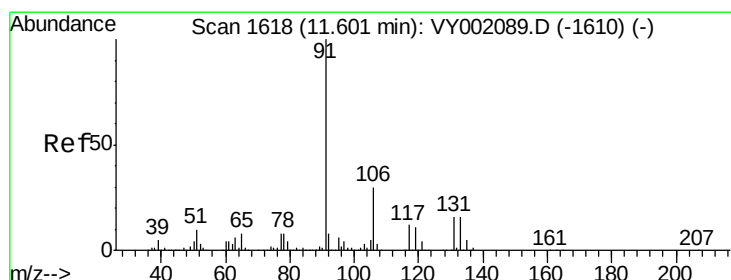
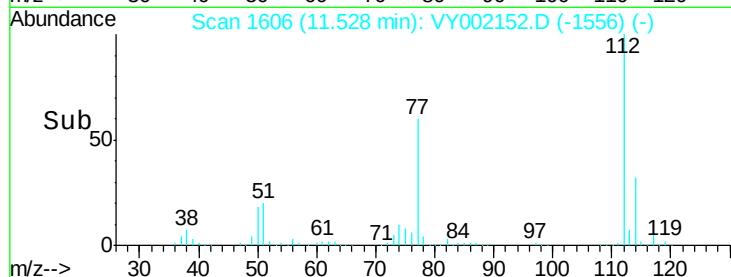
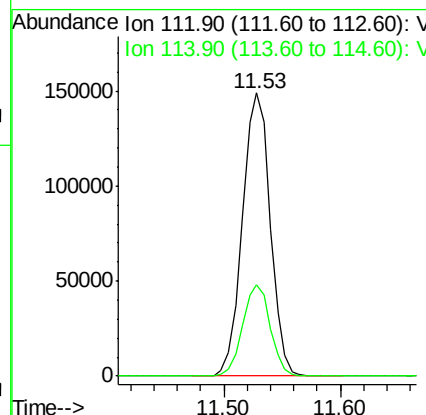
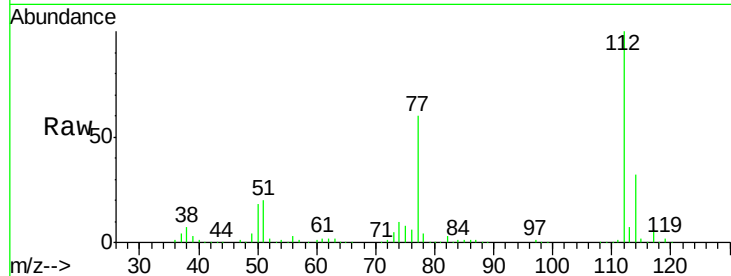
#65  
Chlorobenzene  
Concen: 49.442 ug/l  
RT: 11.53 min Scan# 1606  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 247788  
Ion Ratio Lower Upper  
112 100  
114 32.3 24.9 37.3

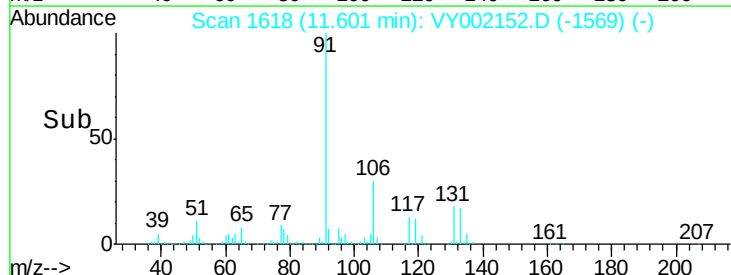
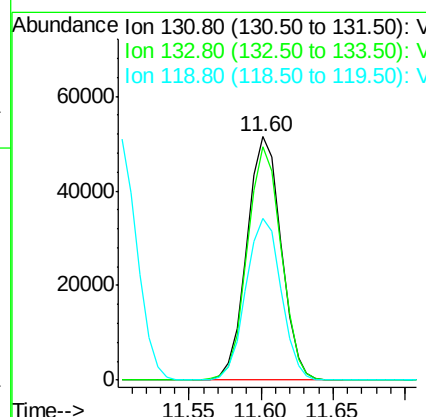
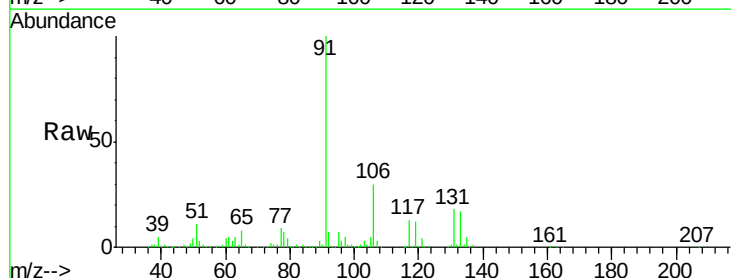
Manual Integrations  
APPROVED

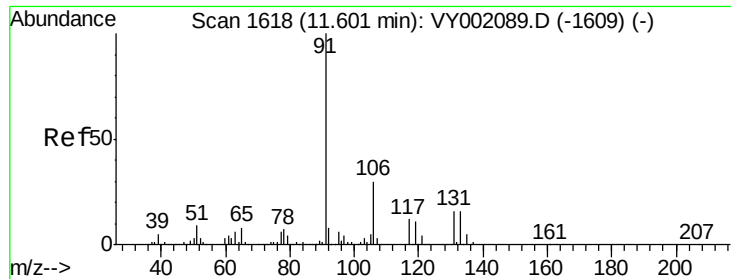
MMDadoda  
4/2/2020 10:12:54 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.491 ug/l  
RT: 11.60 min Scan# 1618  
Delta R.T. 0.00 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

Tgt Ion:131 Resp: 84657  
Ion Ratio Lower Upper  
131 100  
133 94.7 47.5 142.5  
119 68.0 34.6 103.9





#67

Ethyl Benzene

Concen: 49.496 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

Instrument :

MSVOA\_Y

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 460711

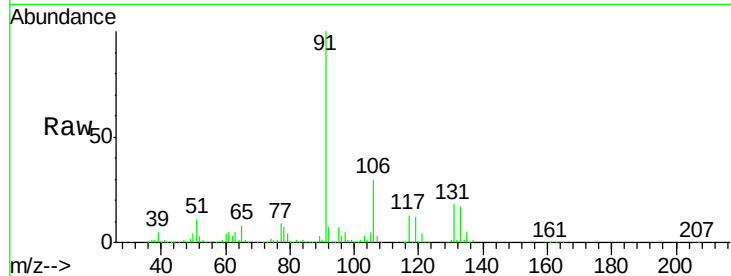
Ion Ratio Lower Upper

91 100

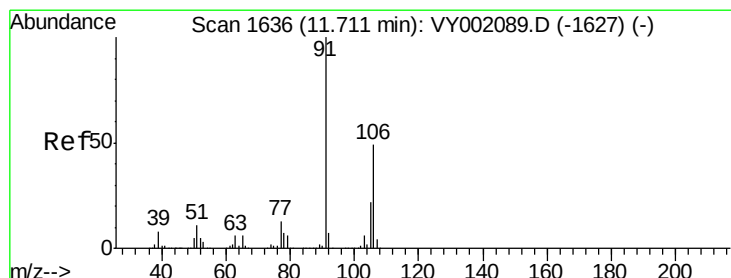
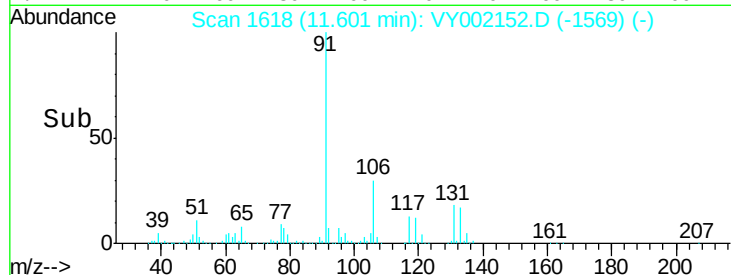
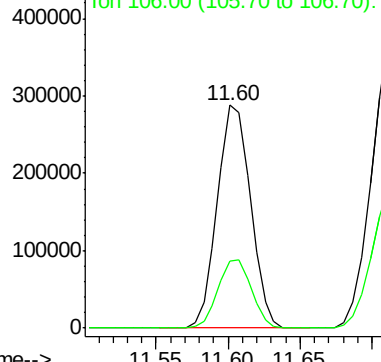
106 30.2 24.1 36.1

Manual Integrations  
APPROVED

MMDadoda  
4/2/2020 10:12:54 AM



Abundance Ion 91.00 (90.70 to 91.70): VY002152.D (-1569) (-)



#68

m/p-Xylenes

Concen: 99.408 ug/l

RT: 11.72 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VY002152.D

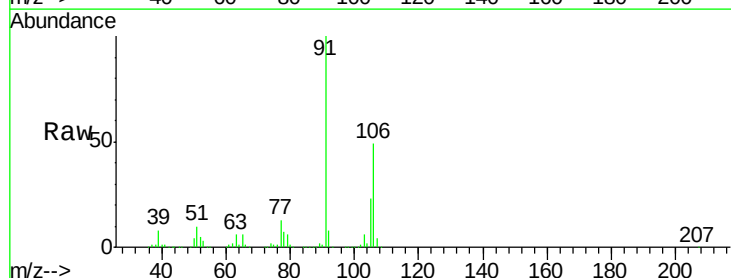
Acq: 01 Apr 2020 10:46

Tgt Ion: 106 Resp: 342116

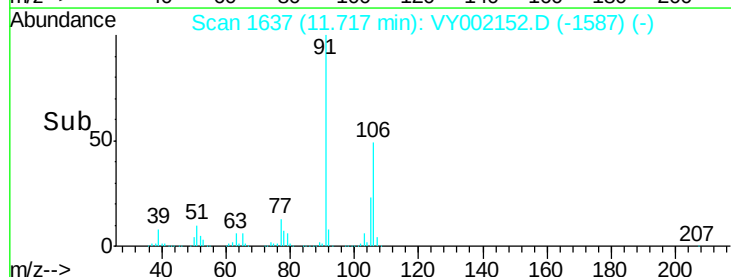
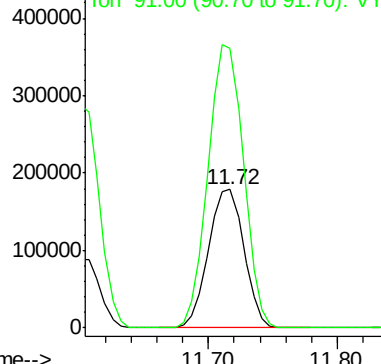
Ion Ratio Lower Upper

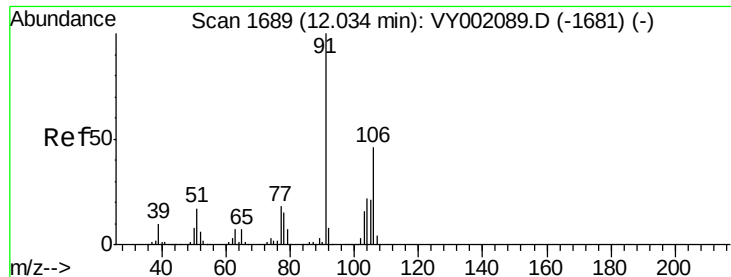
106 100

91 204.2 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): VY002152.D (-1587) (-)





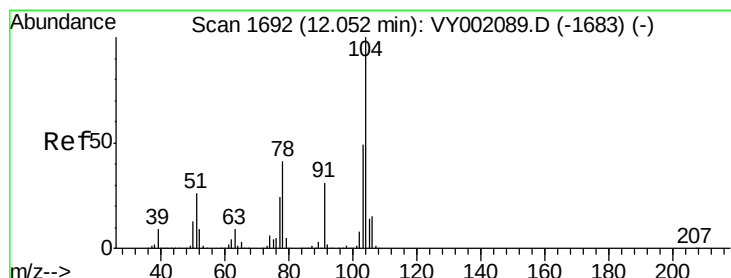
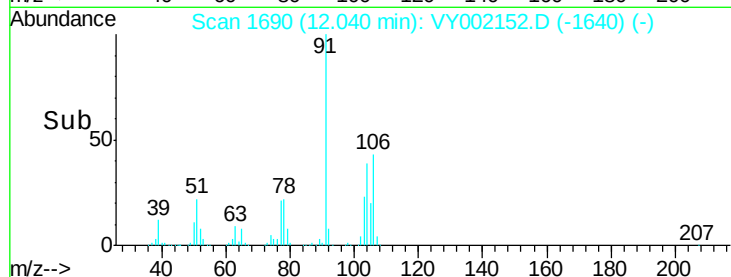
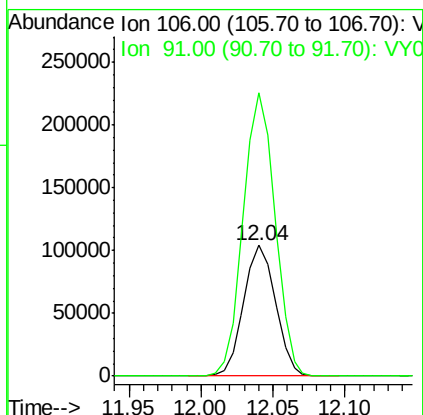
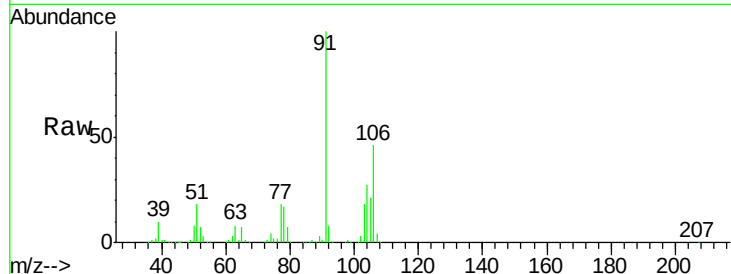
#69  
o-Xylene  
Concen: 49.140 ug/l  
RT: 12.04 min Scan# 1690  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 160425 |       |       |
| 91      | 216.0 | 107.3 | 321.8  |       |       |

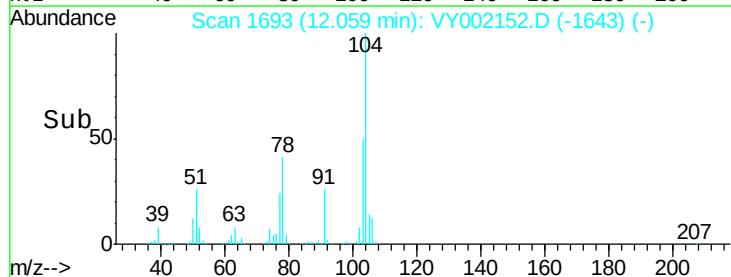
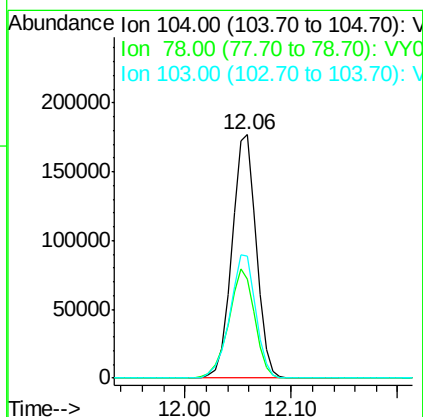
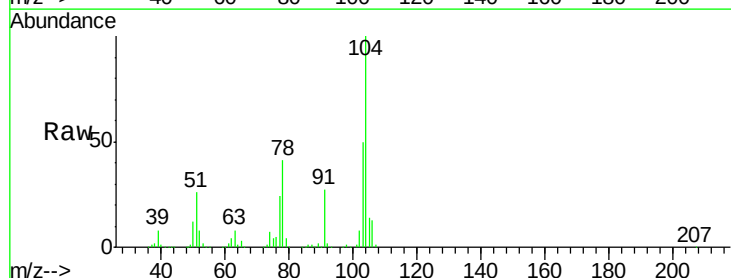
Manual Integrations  
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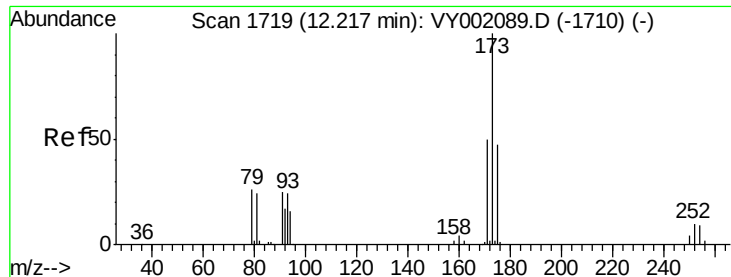
MMDadoda  
4/2/2020 10:12:54 AM



#70  
Styrene  
Concen: 49.820 ug/l  
RT: 12.06 min Scan# 1693  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 281836 |       |       |
| 78      | 47.9 | 37.9  | 56.9   |       |       |
| 103     | 54.1 | 43.2  | 64.8   |       |       |





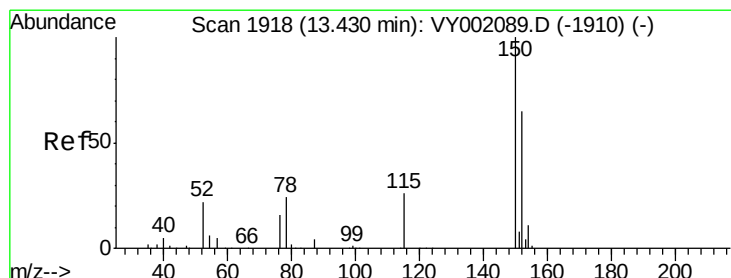
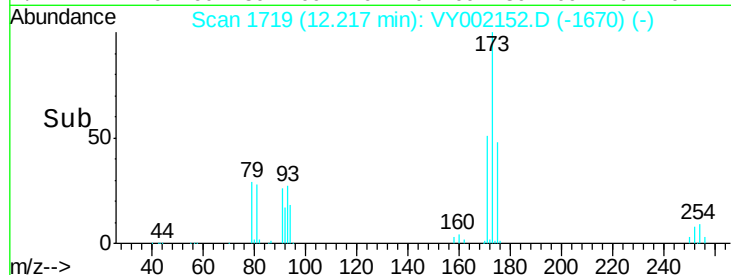
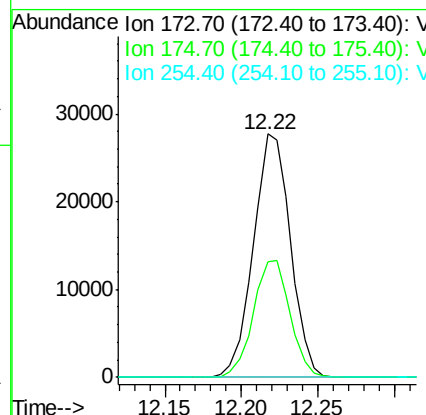
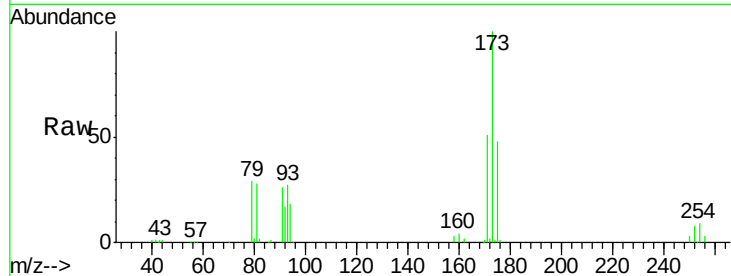
#71  
Bromoform  
Concen: 50.934 ug/l  
RT: 12.22 min Scan# 1719  
Delta R.T. 0.00 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.5  | 23.9  | 71.8  |
| 254     | 0.0   | 0.0   | 0.0   |

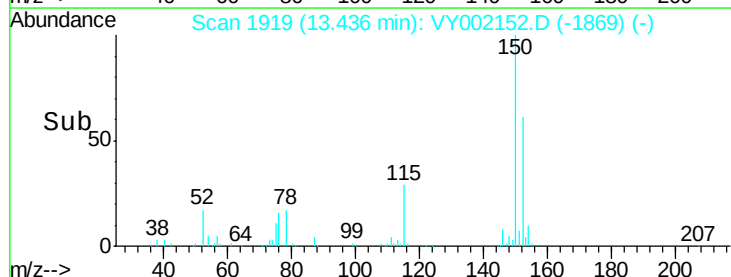
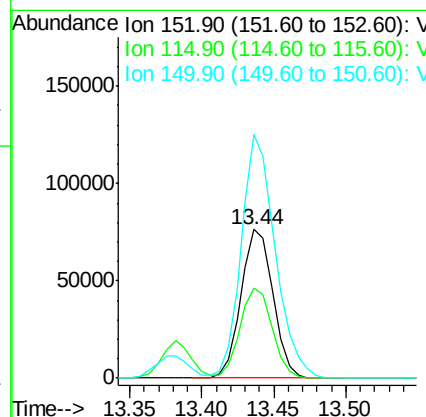
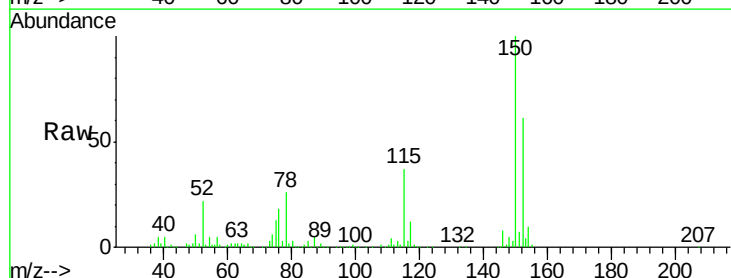
Manual Integrations  
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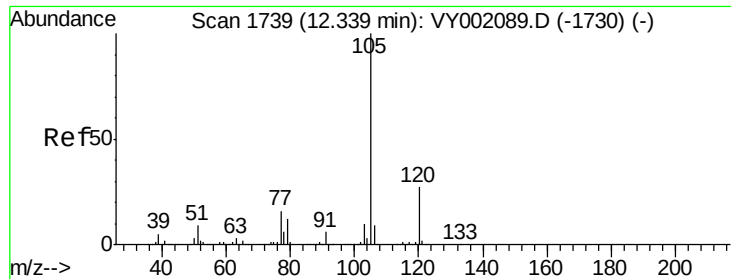


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.44 min Scan# 1919  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 61.1  | 31.2  | 93.6  |
| 150     | 173.4 | 0.0   | 354.8 |







#73

Isopropylbenzene

Concen: 50.086 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 437378

Ion Ratio Lower Upper

105 100

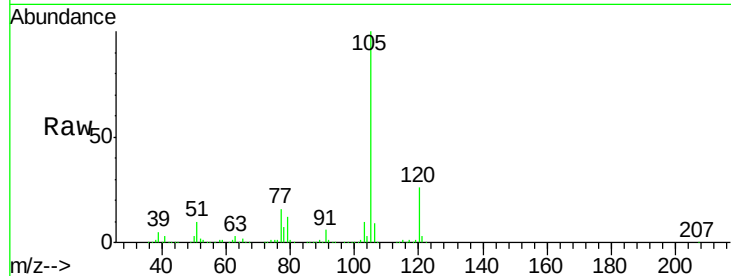
120 26.7 13.3 39.8

Manual Integrations

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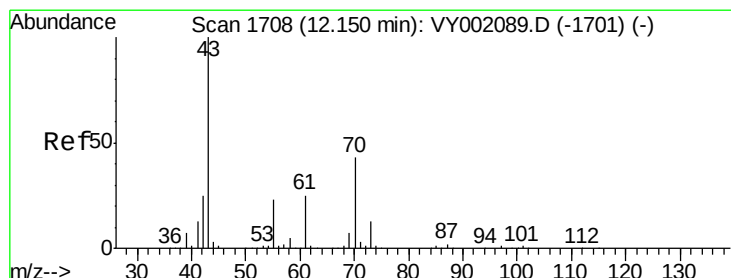
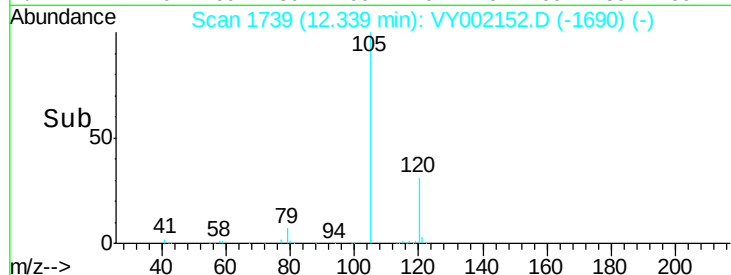
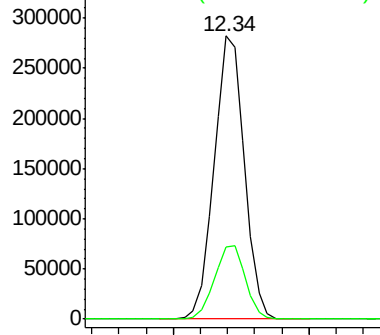
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.721 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

Tgt Ion: 43 Resp: 128679

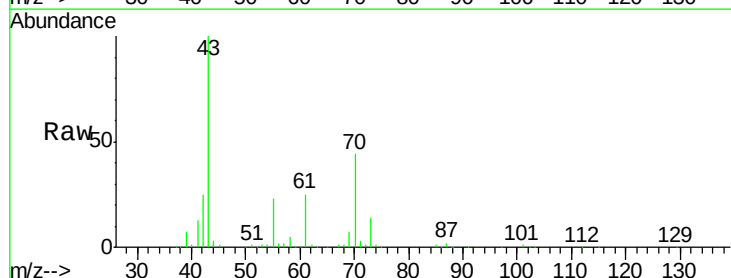
Ion Ratio Lower Upper

43 100

70 44.9 35.0 52.4

55 23.9 18.7 28.1

61 25.4 20.2 30.2

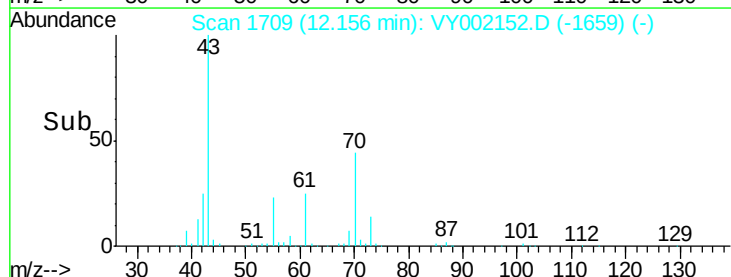
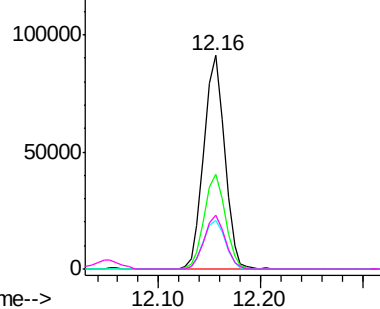


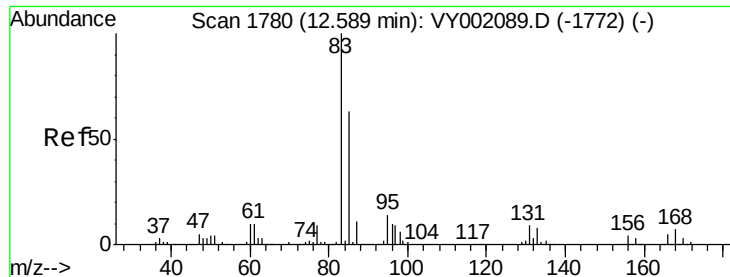
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.863 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

Instrument :

MSVOA\_Y

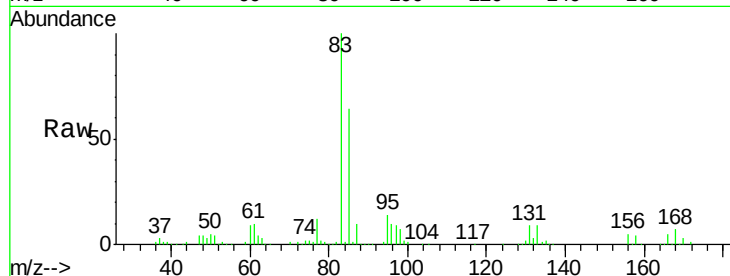
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 91819 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.5   | 4.7   | 14.1  |
| 85        | 64.2  | 32.4  | 97.0  |

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Abundance Ion 82.90 (82.60 to 83.60): VY002152.D (-1731) (-)

Ion 130.80 (130.50 to 131.50): VY002152.D (-1731) (-)

Ion 84.90 (84.60 to 85.60): VY002152.D (-1731) (-)

Time-->

12.59

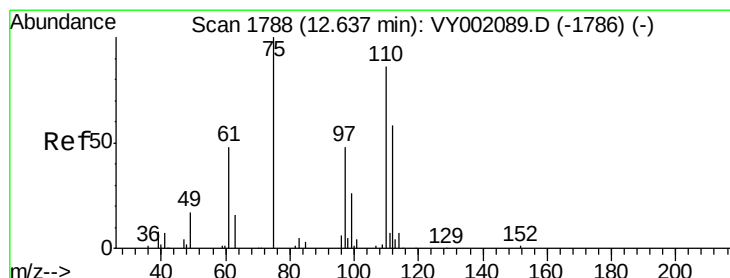
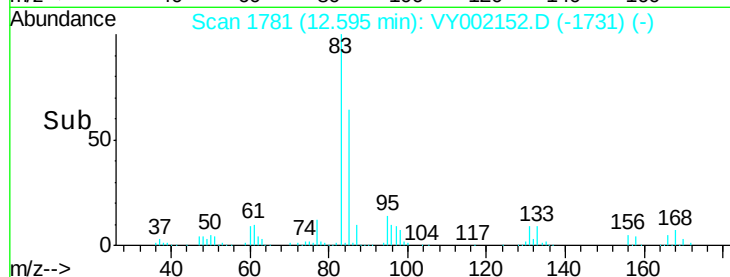
60000

40000

20000

0

12.50 12.55 12.60 12.65



#76

1,2,3-Trichloropropane

Concen: 49.355 ug/l m

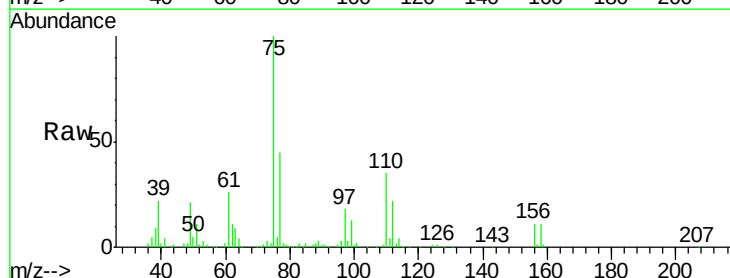
RT: 12.64 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 64991 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |



Abundance Ion 74.90 (74.60 to 75.60): VY002152.D (-1739) (-)

Ion 77.00 (76.70 to 77.70): VY002152.D (-1739) (-)

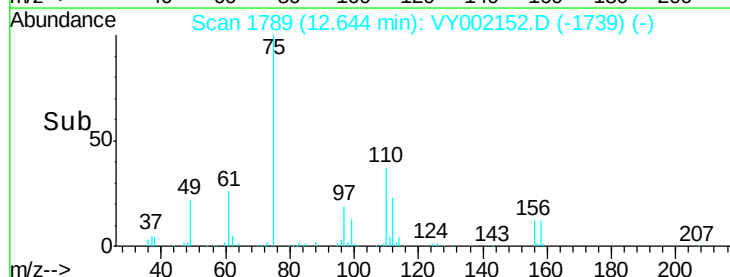
Time-->

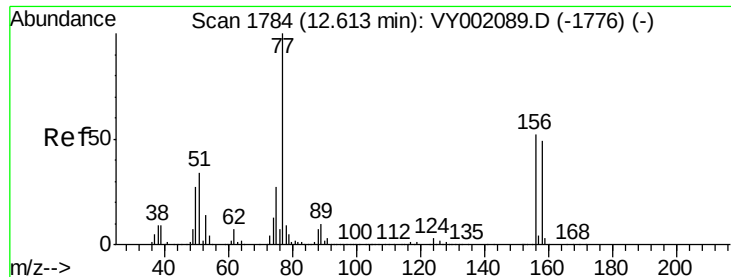
12.62 12.64 12.66 12.68

100000

50000

0





#77

Bromobenzene

Concen: 49.890 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 93003

Ion Ratio Lower Upper

156 100

77 215.1 107.8 323.6

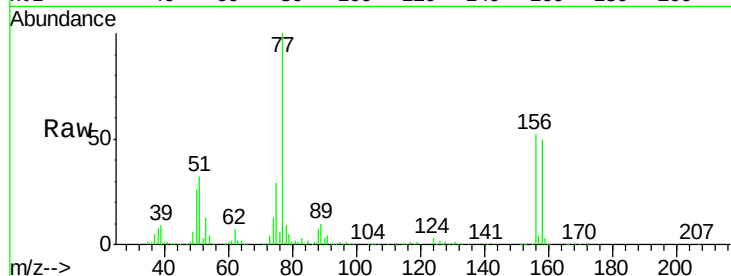
158 97.8 47.5 142.6

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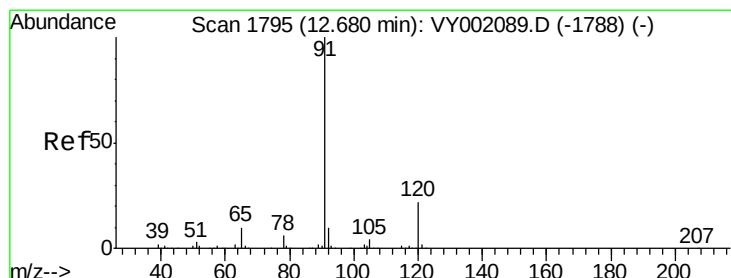
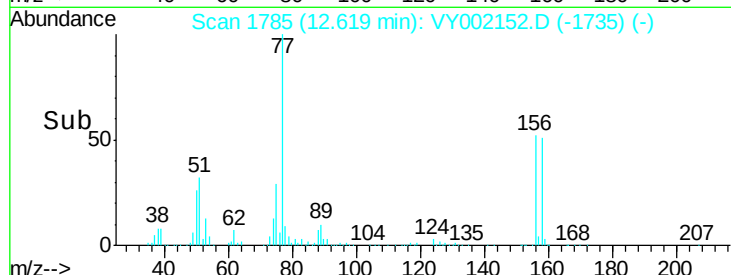
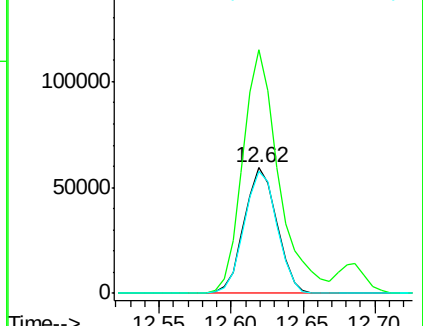
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.456 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VY002152.D

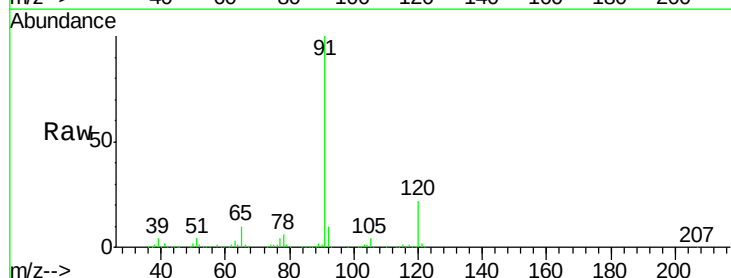
Acq: 01 Apr 2020 10:46

Tgt Ion: 91 Resp: 546781

Ion Ratio Lower Upper

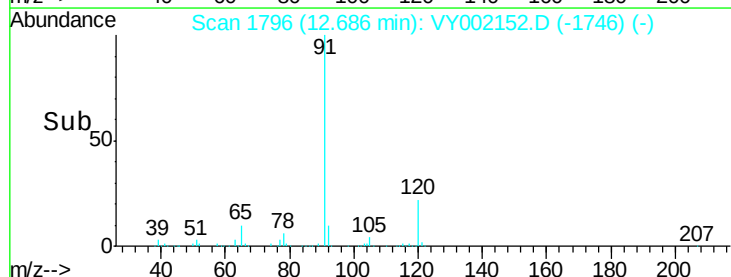
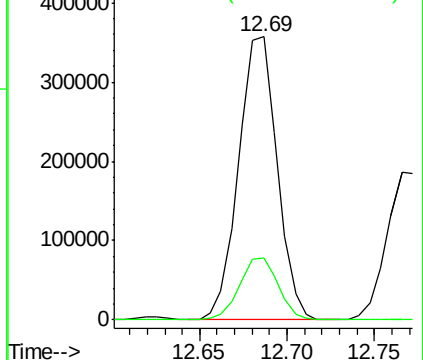
91 100

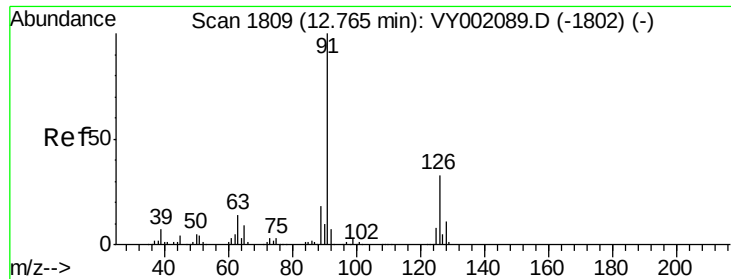
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.969 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 297316

Ion Ratio Lower Upper

91 100

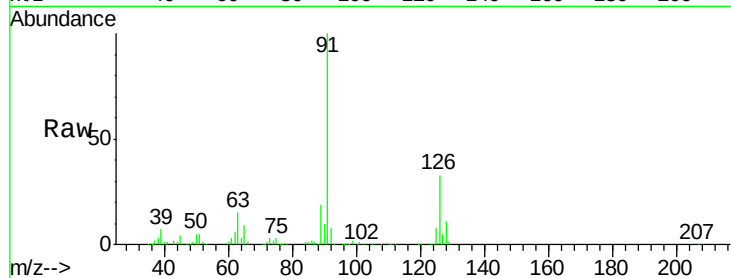
126 32.9 16.4 49.1

Manual Integrations

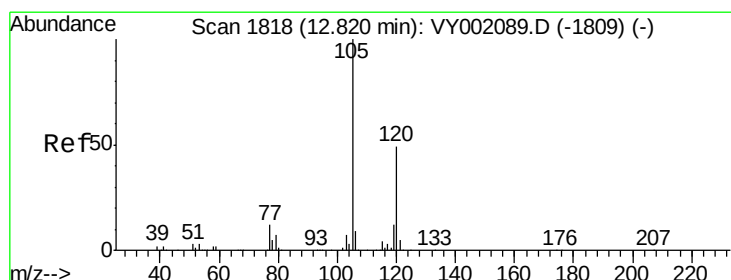
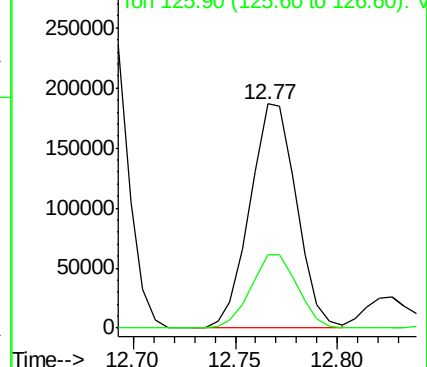
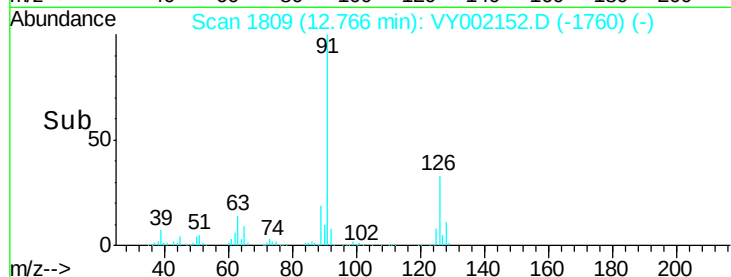
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Abundance Ion 91.00 (90.70 to 91.70): VY002152.D (-1760) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.400 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY002152.D

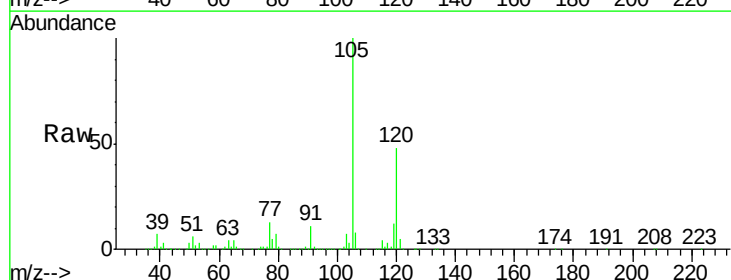
Acq: 01 Apr 2020 10:46

Tgt Ion: 105 Resp: 363117

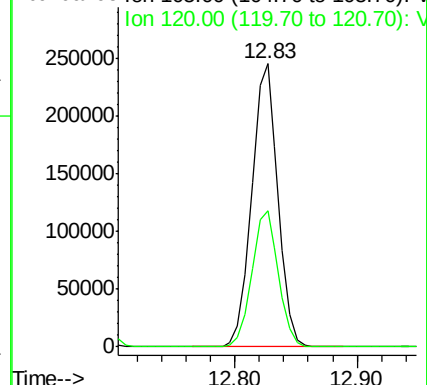
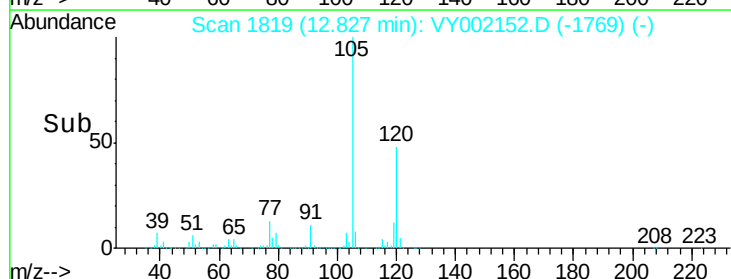
Ion Ratio Lower Upper

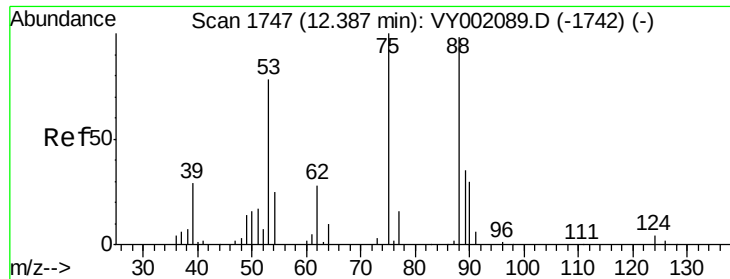
105 100

120 48.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VY002152.D (-1769) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.693 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

Instrument :

MSVOA\_Y

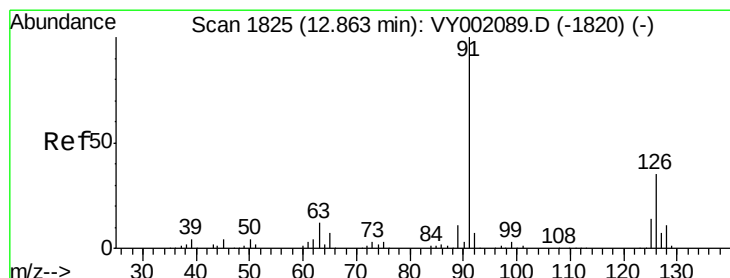
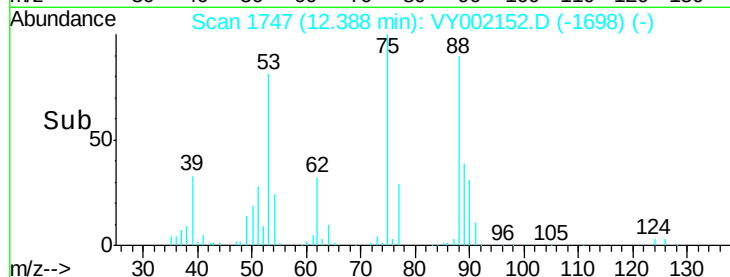
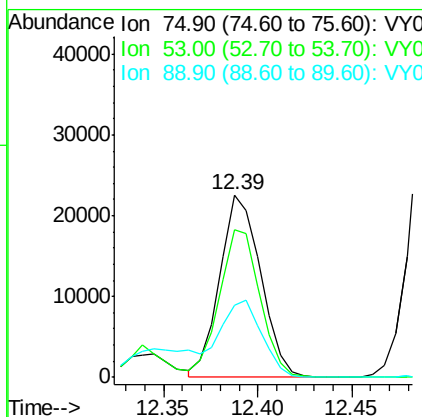
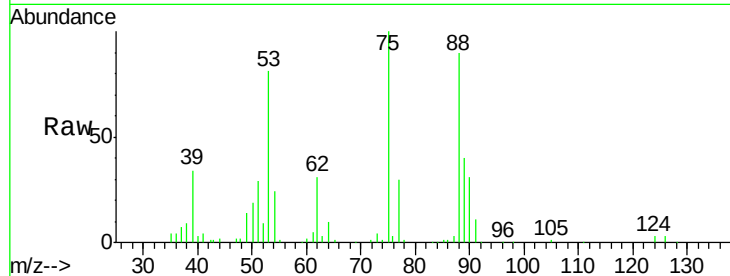
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 33776 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 81.7  | 65.0  | 97.4  |
| 89        | 43.5  | 33.4  | 50.0  |

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#82

4-Chlorotoluene

Concen: 49.610 ug/l

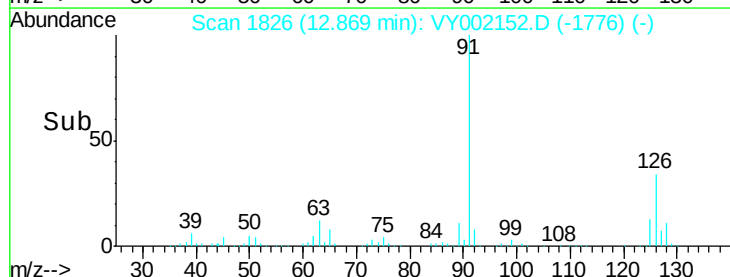
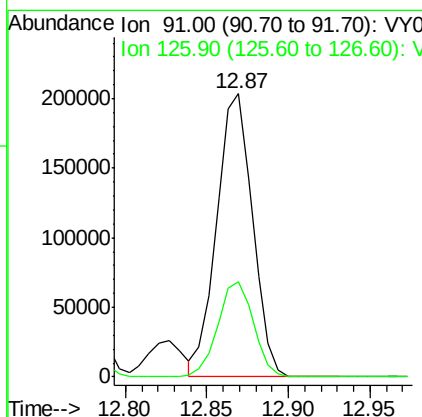
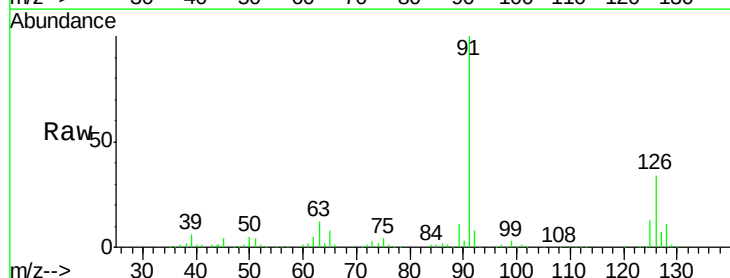
RT: 12.87 min Scan# 1826

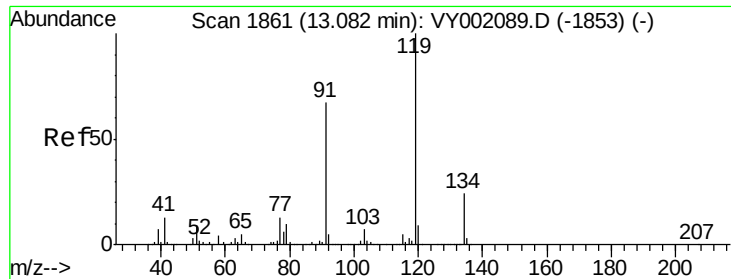
Delta R.T. 0.01 min

Lab File: VY002152.D

Acq: 01 Apr 2020 10:46

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 311057 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 33.6  | 16.3  | 48.9   |





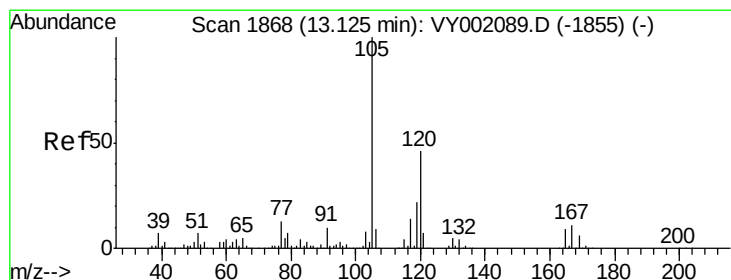
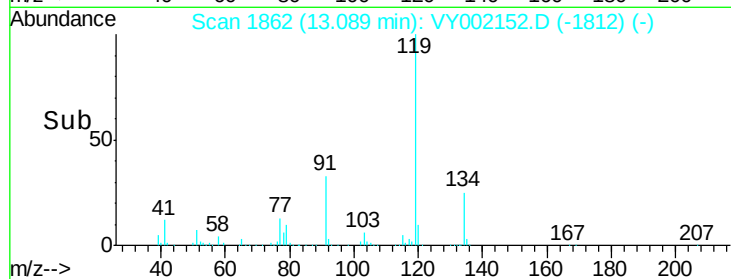
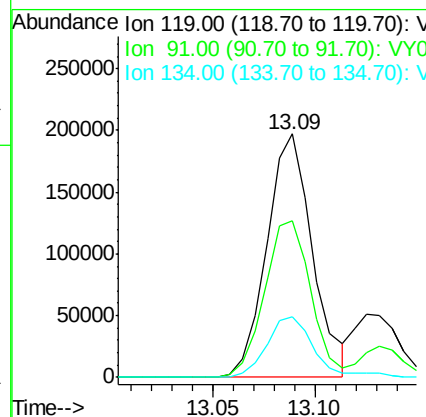
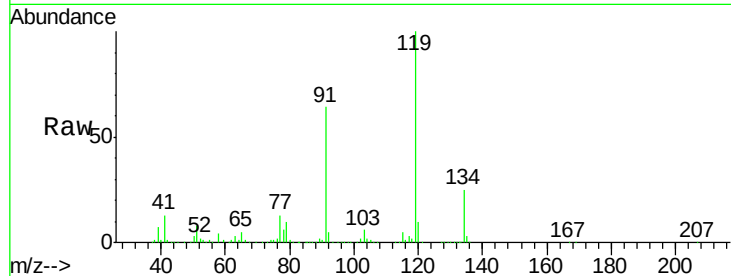
#83  
 tert-Butylbenzene  
 Concen: 51.108 ug/l  
 RT: 13.09 min Scan# 1862  
 Delta R.T. 0.01 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 65.1  | 32.9  | 98.6  |
| 134     | 26.2  | 13.0  | 38.9  |

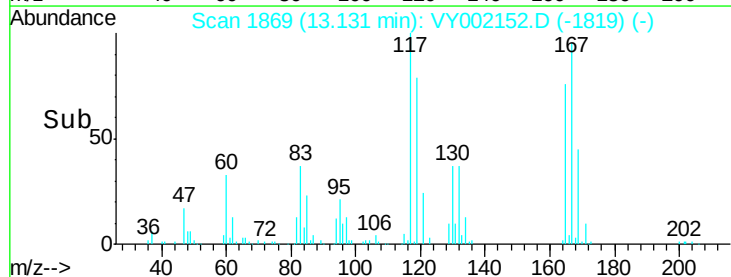
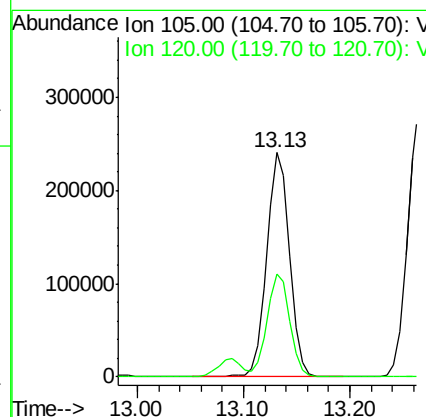
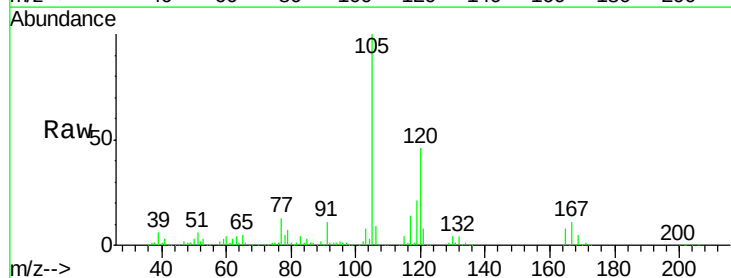
Manual Integrations  
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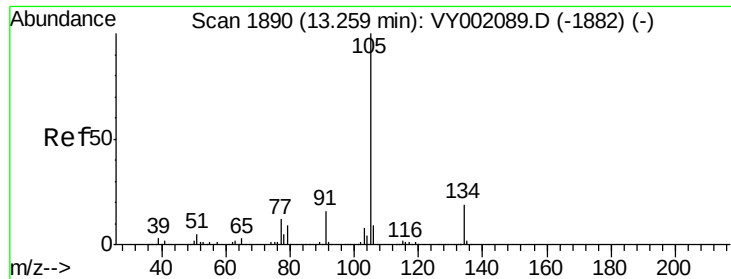
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 50.146 ug/l  
 RT: 13.13 min Scan# 1869  
 Delta R.T. 0.01 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.5  | 22.9  | 68.5  |





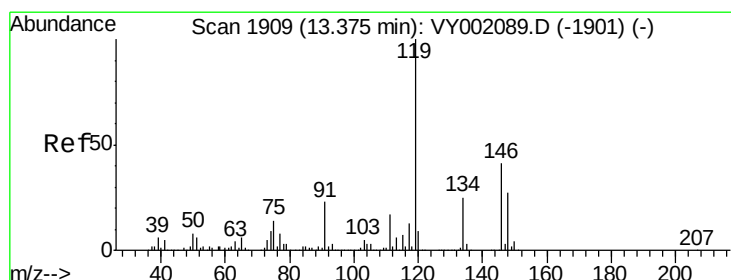
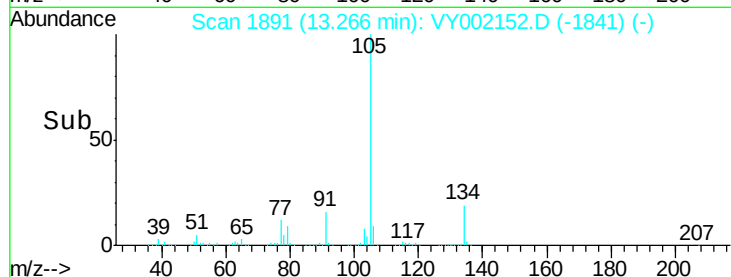
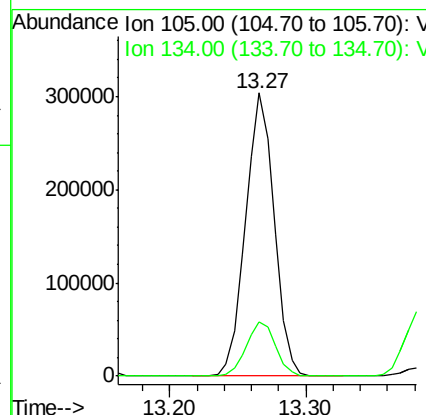
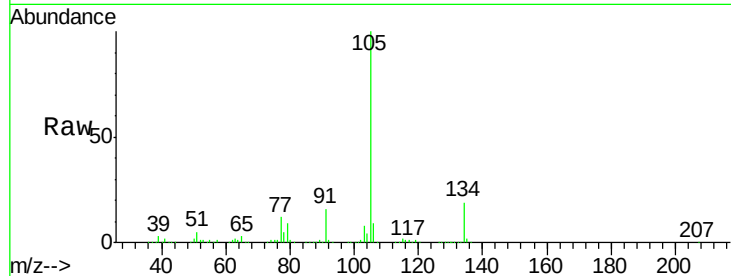
#85  
 sec-Butylbenzene  
 Concen: 50.234 ug/l  
 RT: 13.27 min Scan# 1891  
 Delta R.T. 0.01 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.7  | 9.7   | 29.1  |

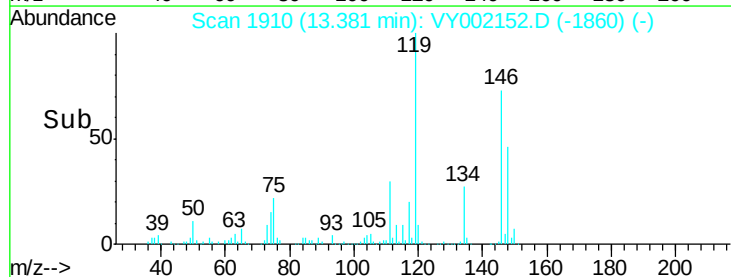
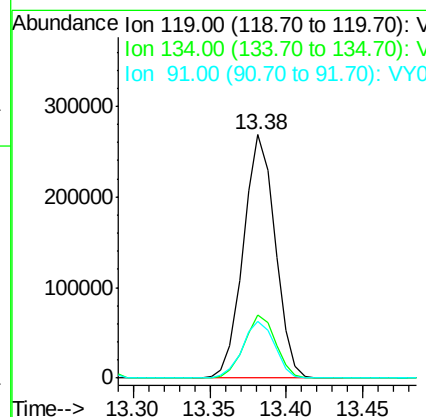
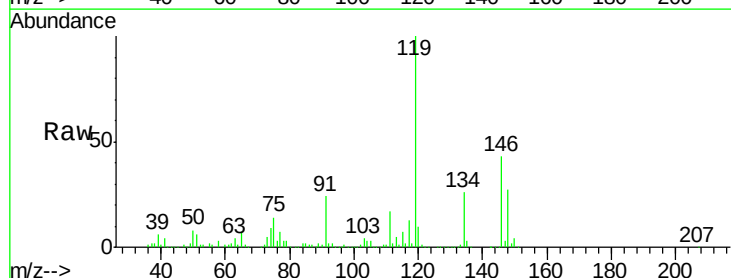
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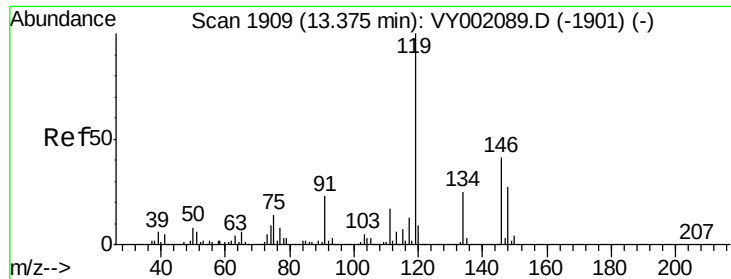
MMDadoda  
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#86  
 p-Isopropyltoluene  
 Concen: 50.774 ug/l  
 RT: 13.38 min Scan# 1910  
 Delta R.T. 0.01 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.6  | 13.1  | 39.3  |
| 91      | 23.7  | 11.8  | 35.3  |





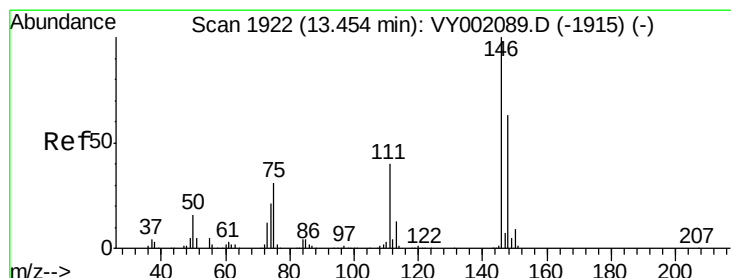
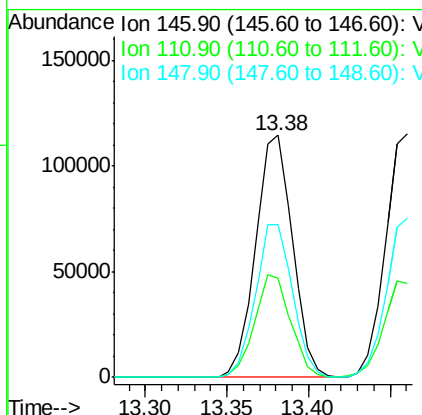
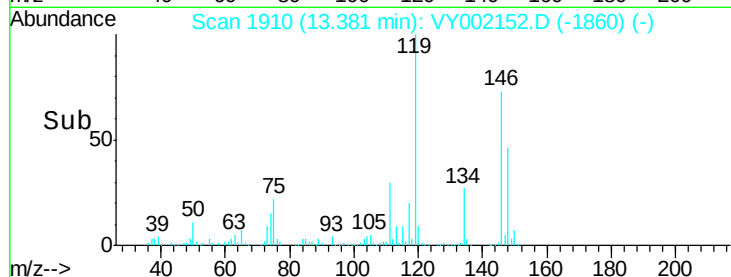
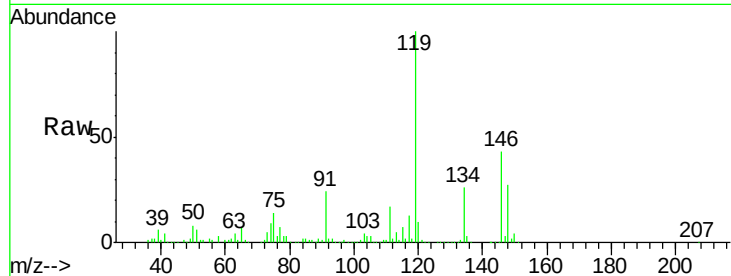
#87  
 1,3-Dichlorobenzene  
 Concen: 49.407 ug/l  
 RT: 13.38 min Scan# 1910  
 Delta R.T. 0.01 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 180179 |       |       |
| 111     | 41.5  | 20.9   | 62.8  |       |
| 148     | 63.6  | 32.1   | 96.5  |       |

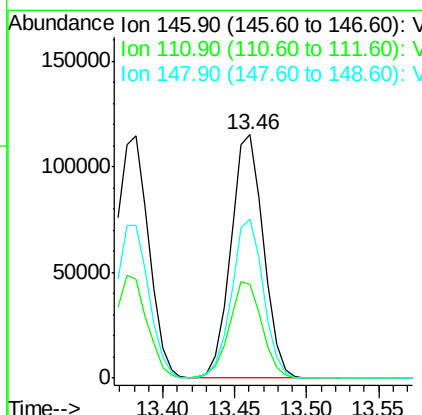
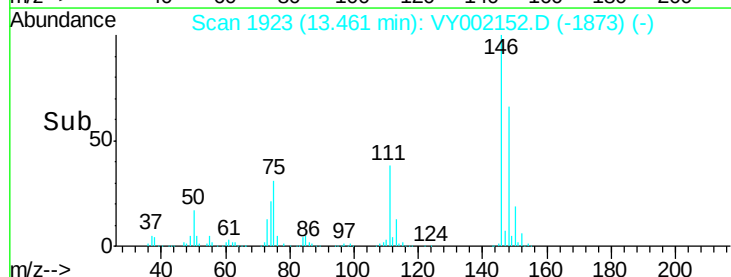
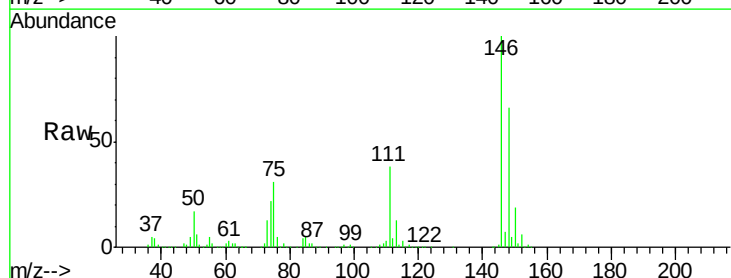
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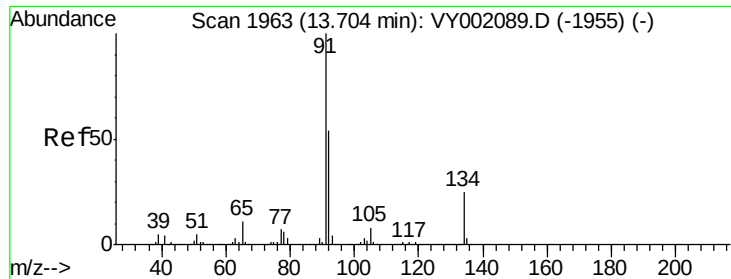


#88  
 1,4-Dichlorobenzene  
 Concen: 49.386 ug/l  
 RT: 13.46 min Scan# 1923  
 Delta R.T. 0.01 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 181235 |       |       |
| 111     | 39.9  | 20.3   | 60.9  |       |
| 148     | 64.0  | 31.5   | 94.5  |       |







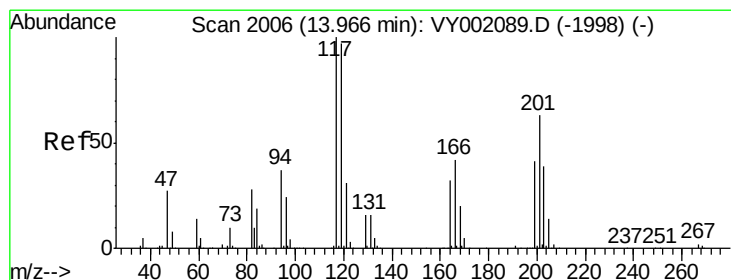
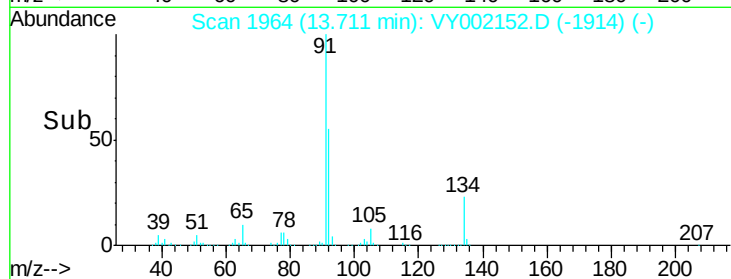
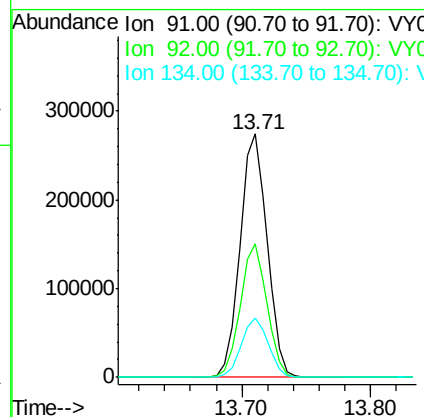
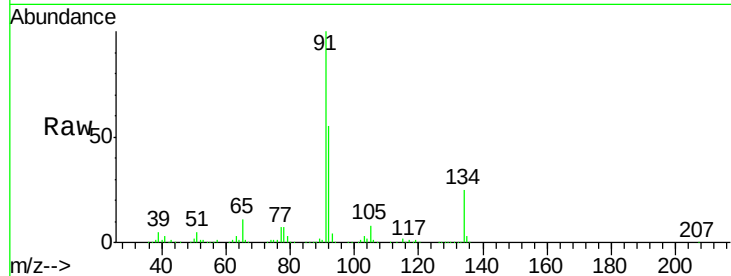
#89  
n-Butylbenzene  
Concen: 49.913 ug/l  
RT: 13.71 min Scan# 1964  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 91      | 100   |      |       |       |
| 92      | 53.9  | 27.0 | 81.0  |       |
| 134     | 24.3  | 12.3 | 36.8  |       |

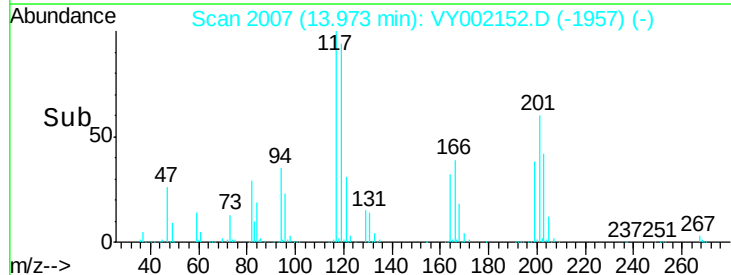
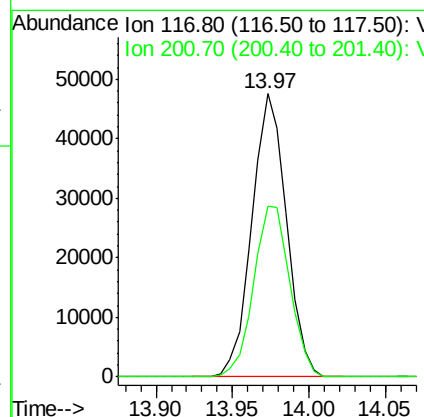
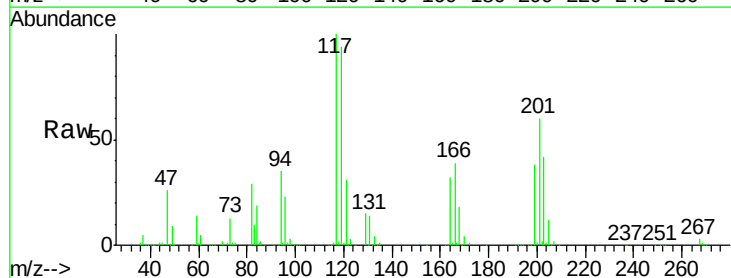
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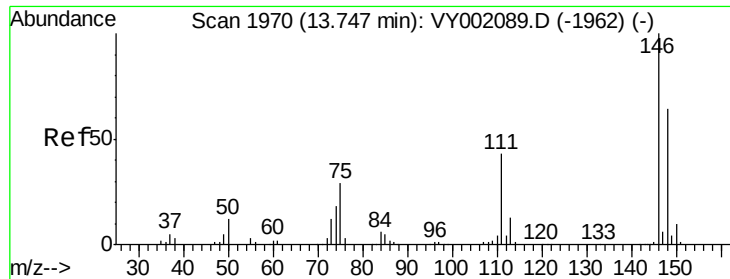
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#90  
Hexachloroethane  
Concen: 51.909 ug/l  
RT: 13.97 min Scan# 2007  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 201     | 63.1  | 31.6 | 94.8  |       |





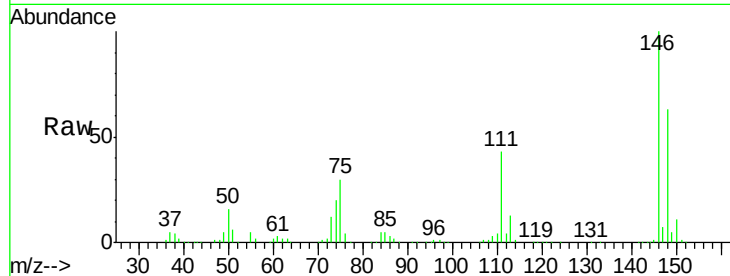
#91  
 1,2-Dichlorobenzene  
 Concen: 48.509 ug/l  
 RT: 13.75 min Scan# 1971  
 Delta R.T. 0.01 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

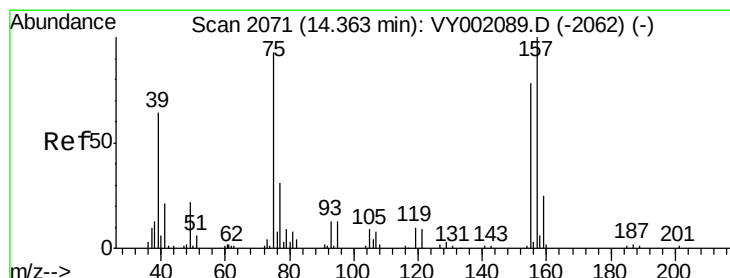
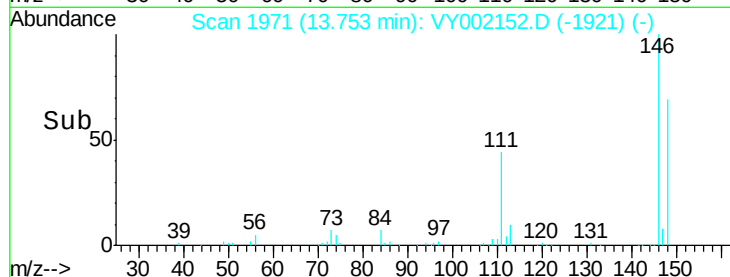
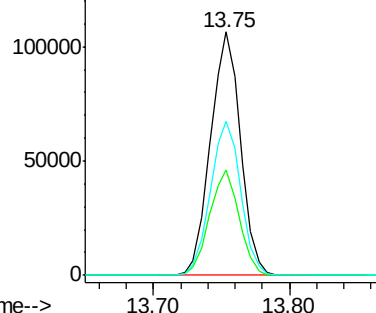
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.9  | 21.3  | 63.7  |
| 148     | 63.9  | 31.8  | 95.4  |

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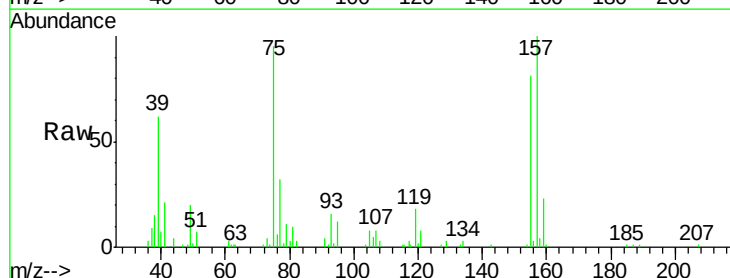


Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

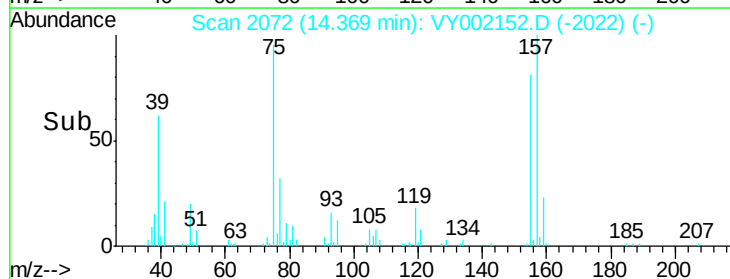
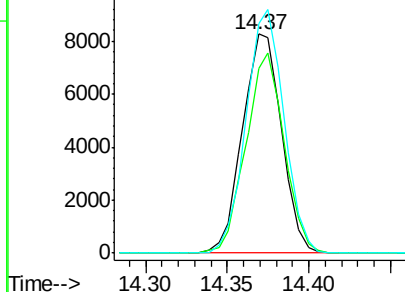


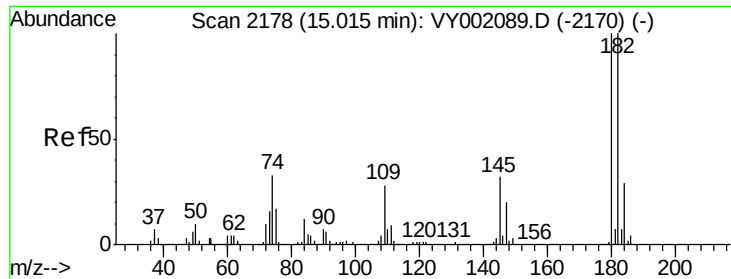
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 45.657 ug/l  
 RT: 14.37 min Scan# 2072  
 Delta R.T. 0.01 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 89.4  | 41.6  | 124.9 |
| 157     | 108.1 | 53.4  | 160.3 |



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





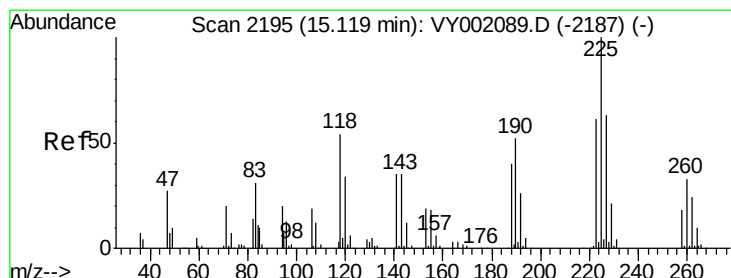
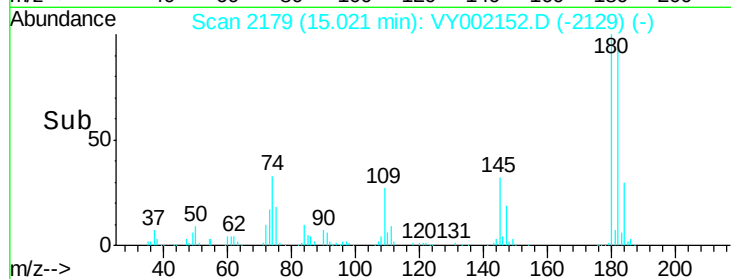
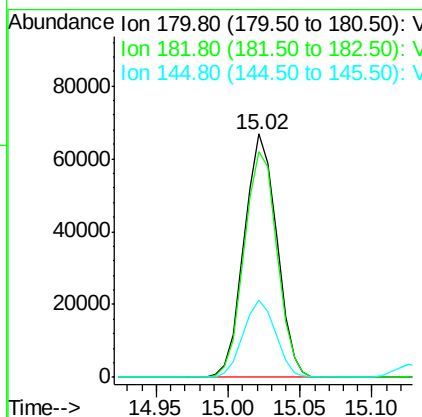
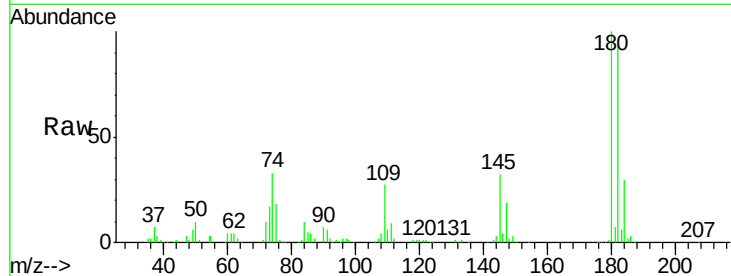
#93  
 1,2,4-Trichlorobenzene  
 Concen: 48.237 ug/l  
 RT: 15.02 min Scan# 2179  
 Delta R.T. 0.01 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 104707 |       |       |
| 182     | 93.7  | 48.1   | 144.3 |       |
| 145     | 31.7  | 15.9   | 47.6  |       |

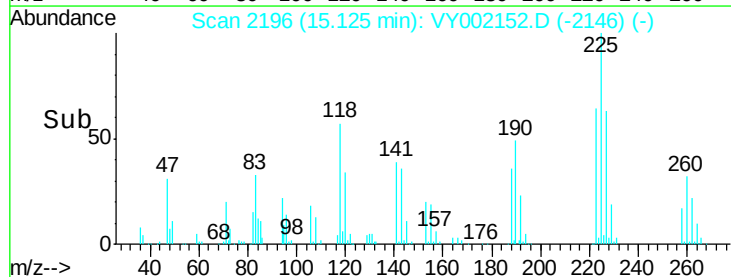
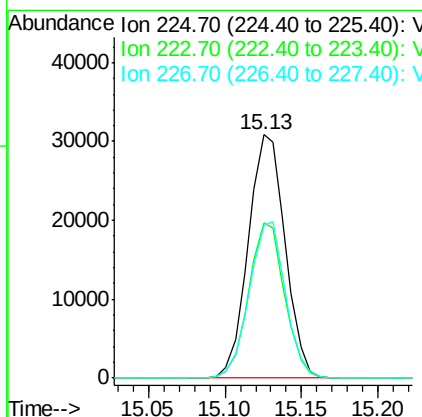
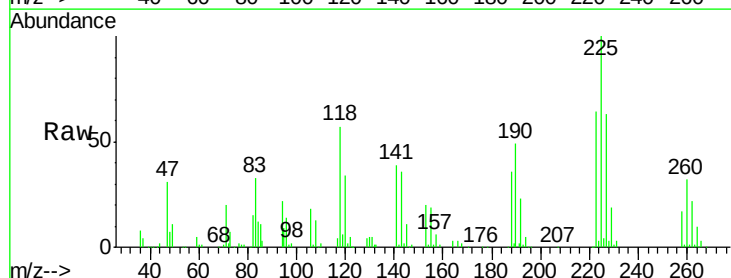
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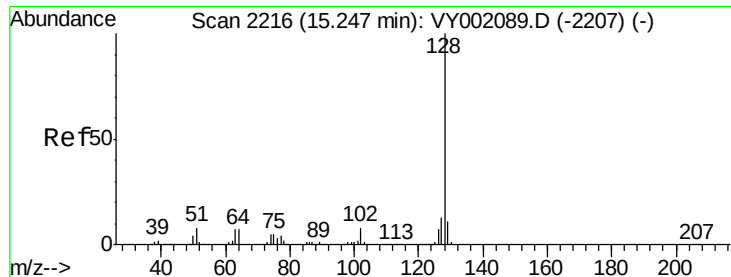
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#94  
 Hexachlorobutadiene  
 Concen: 48.123 ug/l  
 RT: 15.13 min Scan# 2196  
 Delta R.T. 0.01 min  
 Lab File: VY002152.D  
 Acq: 01 Apr 2020 10:46

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 51563 |       |       |
| 223     | 62.3  | 31.1  | 93.3  |       |
| 227     | 63.1  | 31.6  | 94.7  |       |





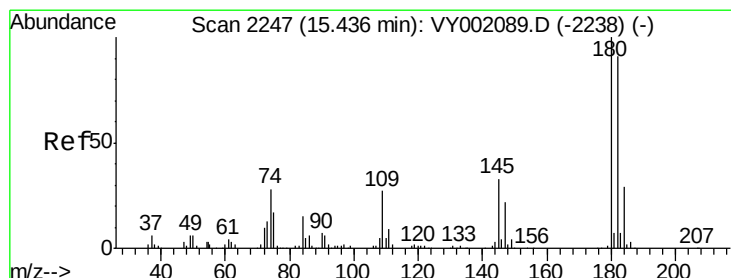
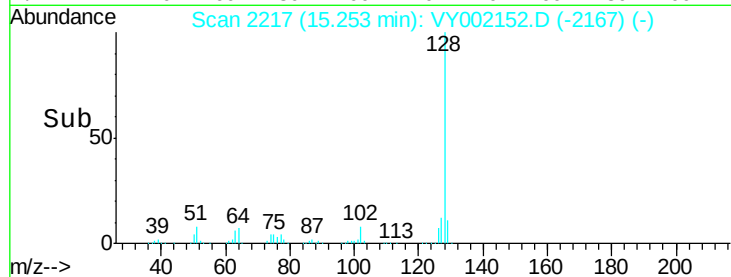
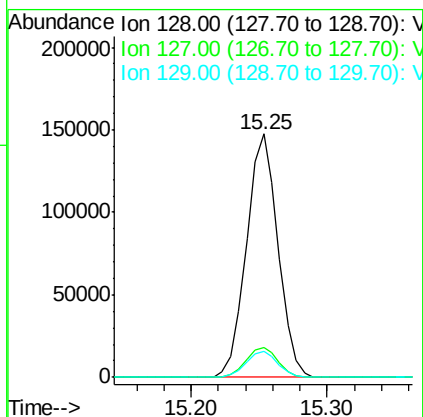
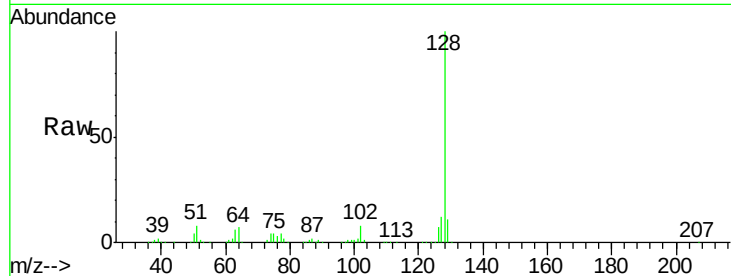
#95  
Naphthalene  
Concen: 46.369 ug/l  
RT: 15.25 min Scan# 2217  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 239063 |       |       |
| 127     | 12.7  |        | 9.8   | 14.8  |
| 129     | 10.7  |        | 8.6   | 13.0  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 46.777 ug/l  
RT: 15.44 min Scan# 2248  
Delta R.T. 0.01 min  
Lab File: VY002152.D  
Acq: 01 Apr 2020 10:46

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 92077 |       |       |
| 182     | 93.7  |       | 46.8  | 140.3 |
| 145     | 33.3  |       | 16.7  | 50.1  |

