

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050720\  
 Data File : VY002631.D  
 Acq On : 07 May 2020 16:19  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 5/8/2020 1:23:52 PM

Quant Time: May 08 04:12:50 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 04 12:22:08 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 363225   | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 537572   | 50.00 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 480939   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 248270   | 50.00 | ug/l  | -0.01    |

## System Monitoring Compounds

|                           |        |     |          |       |         |       |
|---------------------------|--------|-----|----------|-------|---------|-------|
| 33) 1,2-Dichloroethane-d4 | 8.15   | 65  | 144752   | 47.40 | ug/l    | -0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.80%  |       |
| 35) Dibromofluoromethane  | 7.72   | 113 | 155825   | 50.68 | ug/l    | -0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.36% |       |
| 50) Toluene-d8            | 10.18  | 98  | 608714   | 50.70 | ug/l    | -0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.40% |       |
| 62) 4-Bromofluorobenzene  | 12.48  | 95  | 204975   | 50.31 | ug/l    | -0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.62% |       |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.91 | 85  | 152001  | 50.622  | ug/l | 97     |
| 3) Chloromethane              | 2.12 | 50  | 156410  | 53.150  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.26 | 62  | 182584  | 53.732  | ug/l | 99     |
| 5) Bromomethane               | 2.65 | 94  | 124279  | 53.035  | ug/l | 99     |
| 6) Chloroethane               | 2.80 | 64  | 108631  | 53.540  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 3.13 | 101 | 283841  | 53.896  | ug/l | 99     |
| 8) Diethyl Ether              | 3.54 | 74  | 94651   | 53.482  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.91 | 101 | 174339  | 54.165  | ug/l | 99     |
| 10) Methyl Iodide             | 4.10 | 142 | 243753  | 55.586  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.97 | 59  | 71640   | 228.000 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 3.88 | 96  | 170798  | 54.623  | ug/l | 97     |
| 13) Acrolein                  | 3.74 | 56  | 41774   | 192.261 | ug/l | 98     |
| 14) Allyl chloride            | 4.49 | 41  | 252233  | 55.365  | ug/l | 98     |
| 15) Acrylonitrile             | 5.18 | 53  | 211505  | 253.423 | ug/l | 100    |
| 16) Acetone                   | 3.96 | 43  | 155564  | 246.813 | ug/l | 100    |
| 17) Carbon Disulfide          | 4.20 | 76  | 514952  | 54.743  | ug/l | 100    |
| 18) Methyl Acetate            | 4.49 | 43  | 102214  | 48.536  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.24 | 73  | 425810  | 52.196  | ug/l | 98     |
| 20) Methylene Chloride        | 4.73 | 84  | 181869  | 51.599  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.23 | 96  | 186460  | 54.559  | ug/l | 98     |
| 22) Diisopropyl ether         | 6.13 | 45  | 500405  | 54.285  | ug/l | 99     |
| 23) Vinyl Acetate             | 6.07 | 43  | 1532455 | 264.341 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 6.03 | 63  | 296859  | 54.435  | ug/l | 99     |
| 25) 2-Butanone                | 7.00 | 43  | 254204  | 246.382 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.99 | 77  | 269740  | 52.037  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 7.00 | 96  | 204581  | 54.101  | ug/l | 99     |
| 28) Bromochloromethane        | 7.35 | 49  | 118455  | 53.015  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.35 | 42  | 173896  | 254.747 | ug/l | 100    |
| 30) Chloroform                | 7.52 | 83  | 303495  | 53.523  | ug/l | 97     |
| 31) Cyclohexane               | 7.79 | 56  | 289769  | 52.788  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.71 | 97  | 284985  | 54.073  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.93 | 75  | 245585  | 54.495  | ug/l | 99     |
| 37) Ethyl Acetate             | 7.08 | 43  | 114672  | 49.517  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 7.91 | 117 | 264327  | 53.725  | ug/l | 100    |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050720\  
 Data File : VY002631.D  
 Acq On : 07 May 2020 16:19  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 5/8/2020 1:23:52 PM

Quant Time: May 08 04:12:50 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 04 12:22:08 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min) |
|--------------------------------|-------|------|----------|----------|-------|----------|
| 39) Methylcyclohexane          | 9.19  | 83   | 328300   | 55.156   | ug/l  | 99       |
| 40) Benzene                    | 8.17  | 78   | 709038   | 54.475   | ug/l  | 100      |
| 41) Methacrylonitrile          | 7.33  | 41   | 70604m   | 56.704   | ug/l  |          |
| 42) 1,2-Dichloroethane         | 8.24  | 62   | 184191   | 50.451   | ug/l  | 98       |
| 43) Isopropyl Acetate          | 8.28  | 43   | 225713   | 51.990   | ug/l  | 100      |
| 44) Trichloroethene            | 8.94  | 130  | 224341   | 55.153   | ug/l  | 96       |
| 45) 1,2-Dichloropropane        | 9.22  | 63   | 169134   | 53.842   | ug/l  | 100      |
| 46) Dibromomethane             | 9.31  | 93   | 93372    | 51.662   | ug/l  | 98       |
| 47) Bromodichloromethane       | 9.50  | 83   | 234847   | 53.439   | ug/l  | 98       |
| 48) Methyl methacrylate        | 9.30  | 41   | 101751   | 51.787   | ug/l  | 98       |
| 49) 1,4-Dioxane                | 9.30  | 88   | 25145    | 1050.761 | ug/l  | 99       |
| 51) 4-Methyl-2-Pentanone       | 10.07 | 43   | 577754   | 258.185  | ug/l  | 100      |
| 52) Toluene                    | 10.24 | 92   | 455441   | 54.447   | ug/l  | 99       |
| 53) t-1,3-Dichloropropene      | 10.47 | 75   | 247664   | 53.787   | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene    | 9.93  | 75   | 287843   | 54.074   | ug/l  | 97       |
| 55) 1,1,2-Trichloroethane      | 10.64 | 97   | 137765   | 52.270   | ug/l  | 98       |
| 56) Ethyl methacrylate         | 10.51 | 69   | 188658   | 53.806   | ug/l  | 97       |
| 57) 1,3-Dichloropropane        | 10.79 | 76   | 234595   | 52.486   | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.78  | 63   | 470048   | 254.213  | ug/l  | 99       |
| 59) 2-Hexanone                 | 10.83 | 43   | 402777   | 261.514  | ug/l  | 99       |
| 60) Dibromochloromethane       | 10.99 | 129  | 177449   | 52.935   | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 11.09 | 107  | 133480   | 51.147   | ug/l  | 100      |
| 64) Tetrachloroethene          | 10.72 | 164  | 245736   | 57.507   | ug/l  | 97       |
| 65) Chlorobenzene              | 11.52 | 112  | 495447   | 54.191   | ug/l  | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.59 | 131  | 186960   | 55.089   | ug/l  | 99       |
| 67) Ethyl Benzene              | 11.60 | 91   | 888207   | 55.307   | ug/l  | 99       |
| 68) m/p-Xylenes                | 11.70 | 106  | 689123   | 110.901  | ug/l  | 100      |
| 69) o-Xylene                   | 12.03 | 106  | 323987   | 55.686   | ug/l  | 99       |
| 70) Styrene                    | 12.05 | 104  | 553533   | 55.652   | ug/l  | 99       |
| 71) Bromoform                  | 12.21 | 173  | 111844   | 53.097   | ug/l  | 100      |
| 73) Isopropylbenzene           | 12.33 | 105  | 885643   | 55.042   | ug/l  | 100      |
| 74) N-amyl acetate             | 12.14 | 43   | 206800   | 53.429   | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.58 | 83   | 126101   | 49.279   | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75   | 108436m  | 49.148   | ug/l  |          |
| 77) Bromobenzene               | 12.61 | 156  | 214462   | 53.349   | ug/l  | 100      |
| 78) n-propylbenzene            | 12.67 | 91   | 1028359  | 55.074   | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 12.75 | 91   | 566404   | 54.761   | ug/l  | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.81 | 105  | 737053   | 55.261   | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 56646    | 51.483   | ug/l  | 100      |
| 82) 4-Chlorotoluene            | 12.86 | 91   | 587623   | 54.085   | ug/l  | 99       |
| 83) tert-Butylbenzene          | 13.08 | 119  | 650736   | 55.644   | ug/l  | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.12 | 105  | 732001   | 55.069   | ug/l  | 100      |
| 85) sec-Butylbenzene           | 13.25 | 105  | 900994   | 55.521   | ug/l  | 99       |
| 86) p-Isopropyltoluene         | 13.37 | 119  | 836142   | 54.990   | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene        | 13.36 | 146  | 411626   | 54.101   | ug/l  | 100      |
| 88) 1,4-Dichlorobenzene        | 13.45 | 146  | 407601   | 54.102   | ug/l  | 100      |
| 89) n-Butylbenzene             | 13.70 | 91   | 771733   | 55.752   | ug/l  | 100      |
| 90) Hexachloroethane           | 13.96 | 117  | 154845   | 55.920   | ug/l  | 98       |
| 91) 1,2-Dichlorobenzene        | 13.74 | 146  | 366640   | 54.004   | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.36 | 75   | 23908    | 50.121   | ug/l  | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050720\  
Data File : VY002631.D  
Acq On : 07 May 2020 16:19  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

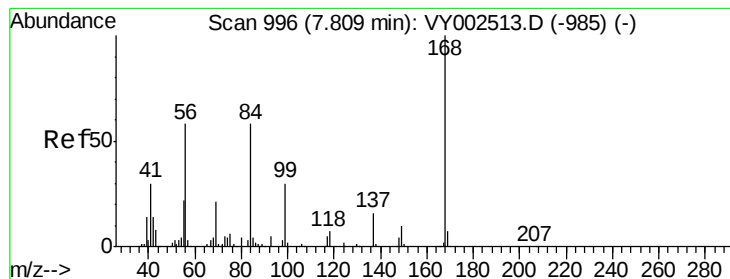
MMDadoda  
5/8/2020 1:23:52 PM

Quant Time: May 08 04:12:50 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
Quant Title : SW846 8260  
QLast Update : Mon May 04 12:22:08 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.01 | 180  | 265896   | 53.945 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.11 | 225  | 162697   | 54.990 | ug/l  | 99       |
| 95) Naphthalene            | 15.23 | 128  | 478259   | 53.189 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.42 | 180  | 226398   | 54.106 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 363225

Ion Ratio Lower Upper

168 100

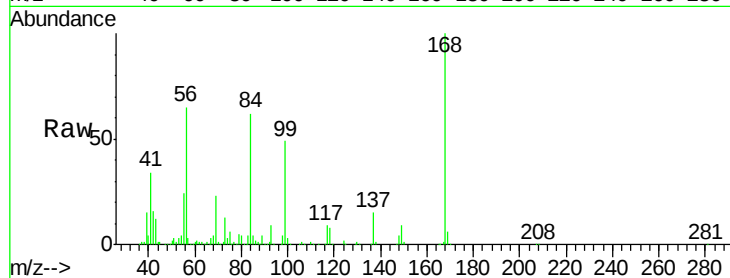
99 49.5 39.2 58.8

Manual Integrations

APPROVED

MMDadoda

5/8/2020 1:23:52 PM



Abundance Ion 167.90 (167.60 to 168.60): VY002631.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002631.D (-947) (-)

7.80

150000

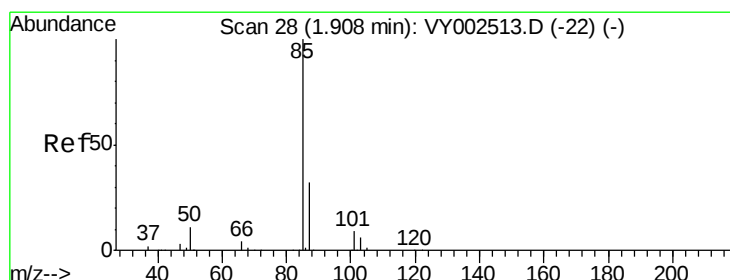
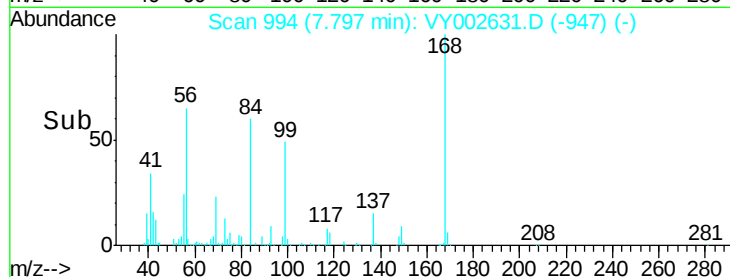
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 50.622 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002631.D

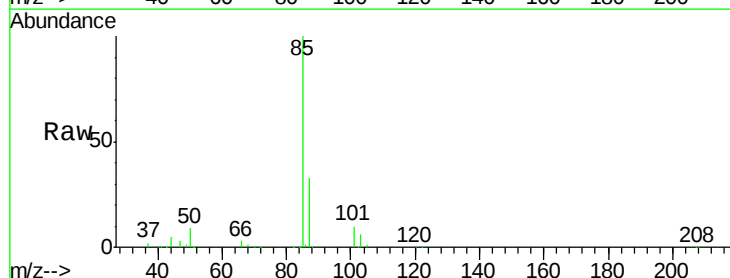
Acq: 07 May 2020 16:19

Tgt Ion: 85 Resp: 152001

Ion Ratio Lower Upper

85 100

87 33.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002631.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002631.D (-1) (-)

1.91

120000

100000

80000

60000

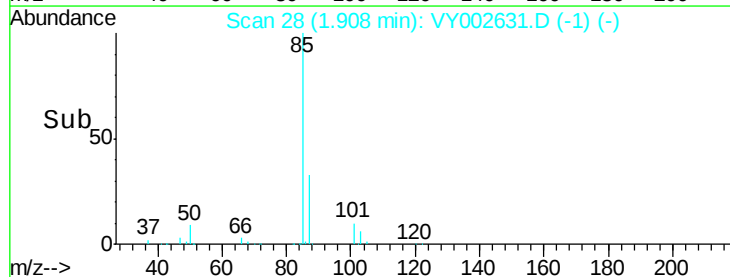
40000

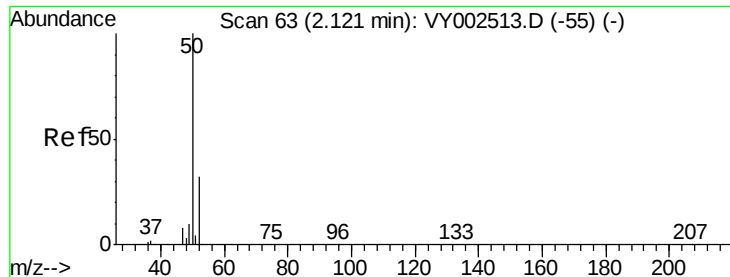
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 53.150 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 156410

Ion Ratio Lower Upper

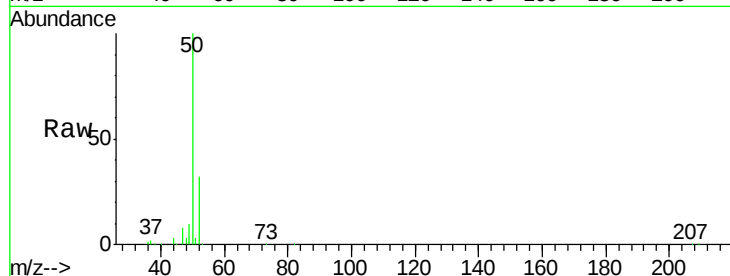
50 100

52 32.0 25.9 38.9

Manual Integrations  
APPROVED

MMDadoda

5/8/2020 1:23:52 PM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

120000

100000

80000

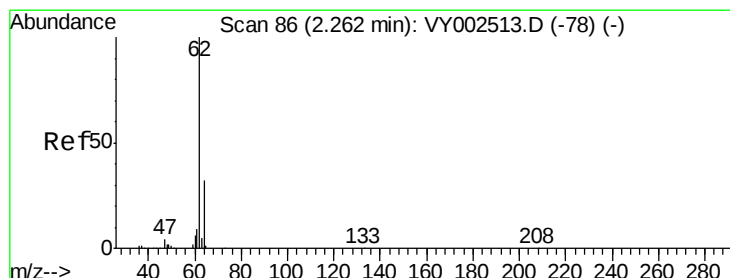
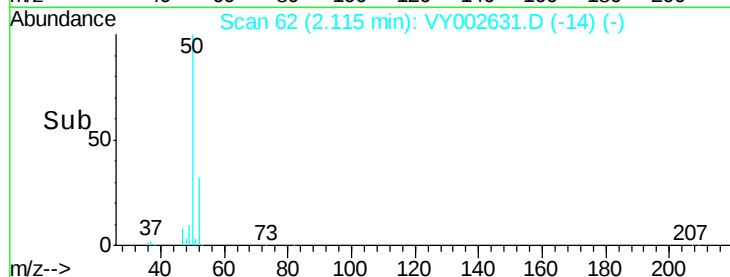
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 53.732 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY002631.D

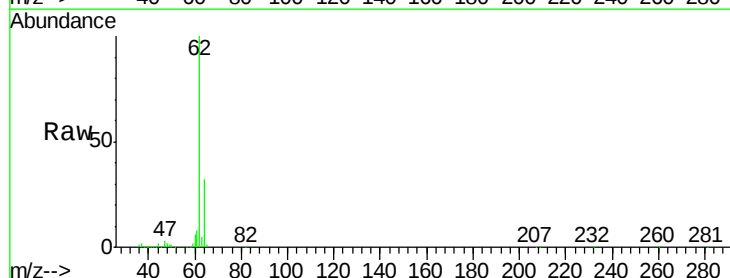
Acq: 07 May 2020 16:19

Tgt Ion: 62 Resp: 182584

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

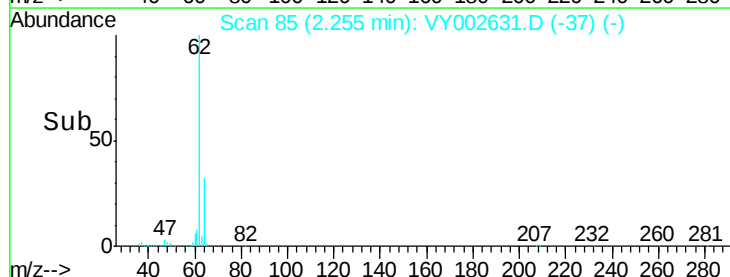
2.26

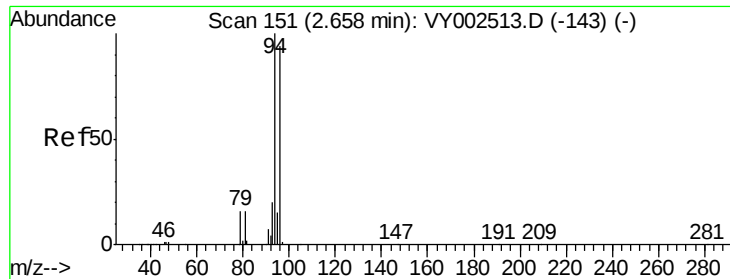
100000

50000

0

Time-->





#5

Bromomethane

Concen: 53.035 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 124279

Ion Ratio Lower Upper

94 100

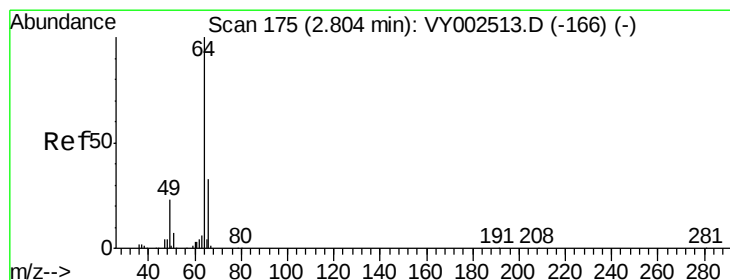
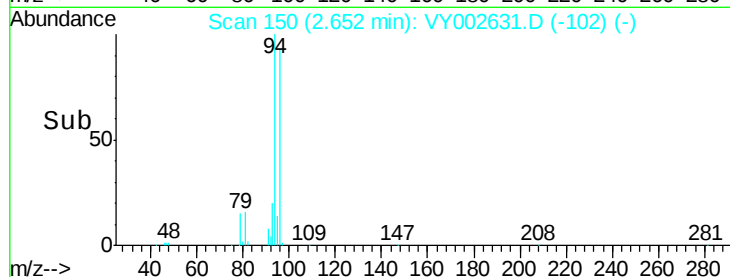
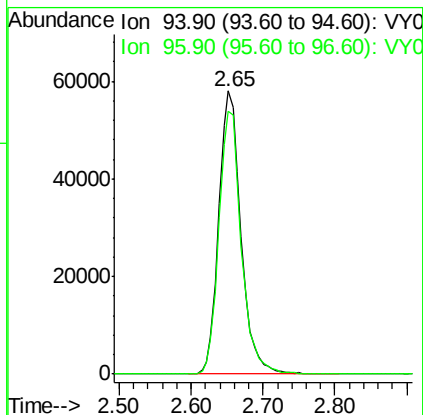
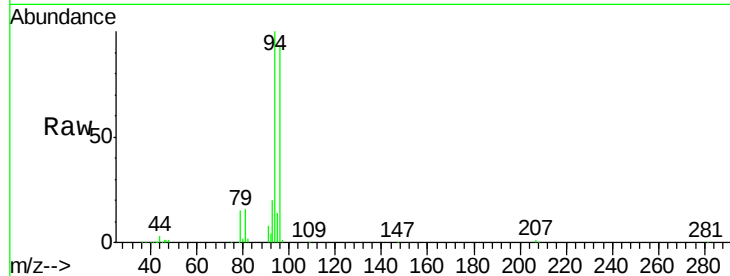
96 92.7 74.9 112.3

Manual Integrations

APPROVED

MMDadoda

5/8/2020 1:23:52 PM



#6

Chloroethane

Concen: 53.540 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY002631.D

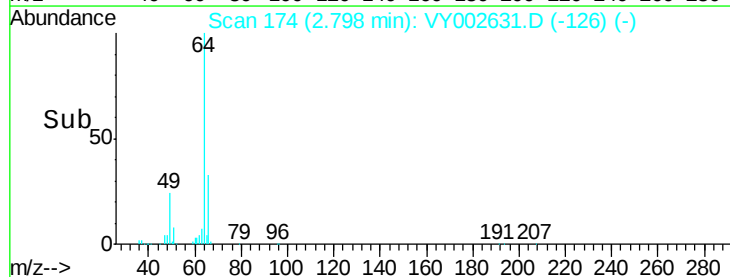
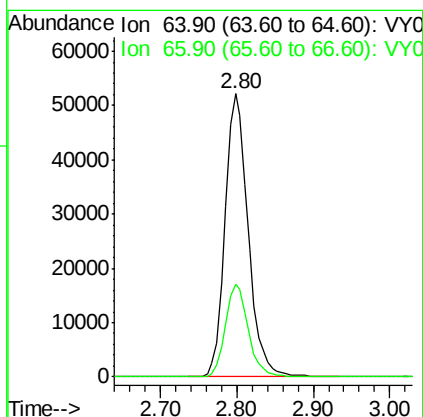
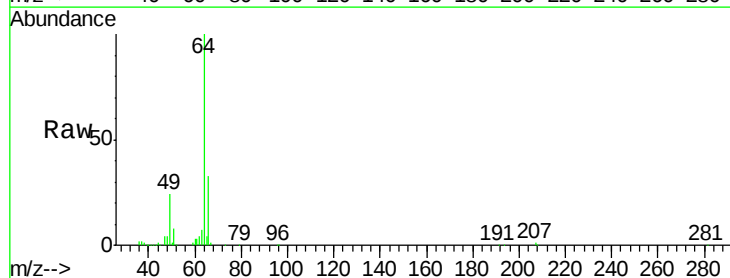
Acq: 07 May 2020 16:19

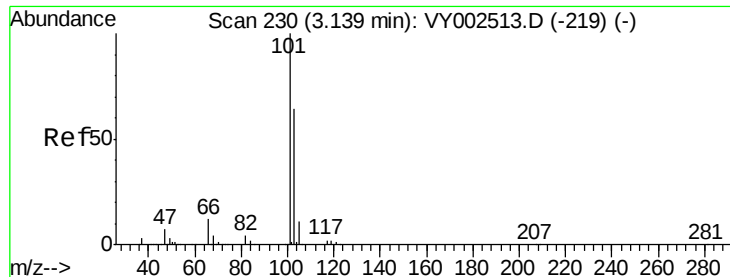
Tgt Ion: 64 Resp: 108631

Ion Ratio Lower Upper

64 100

66 32.8 26.3 39.5





#7

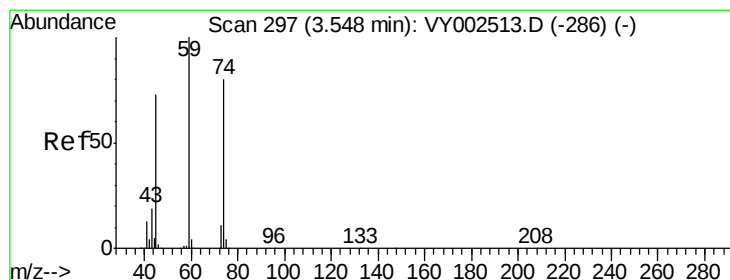
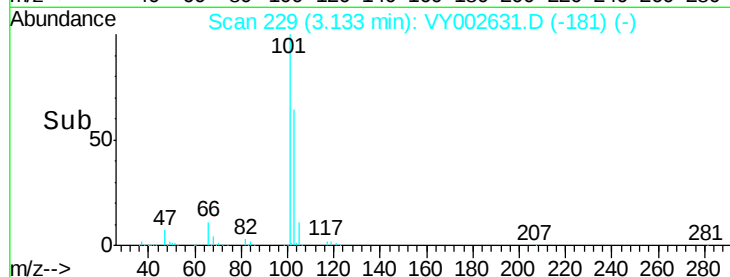
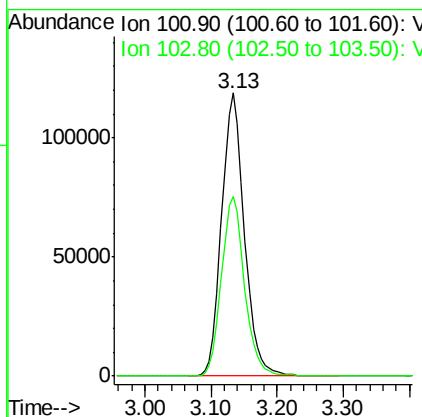
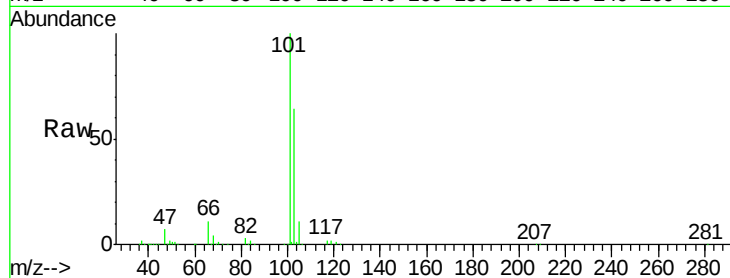
Trichlorofluoromethane  
Concen: 53.896 ug/l  
RT: 3.13 min Scan# 229  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 283841 |       |       |
| 103     | 63.6  | 51.4   | 77.0  |       |

Manual Integrations  
APPROVED

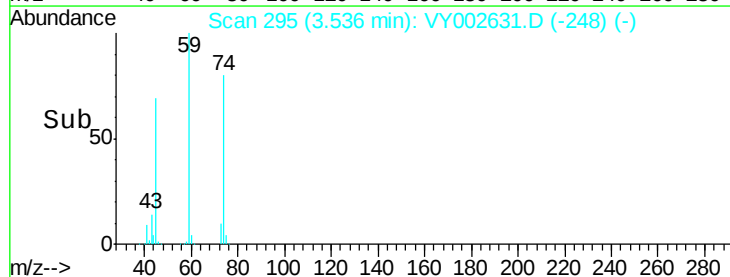
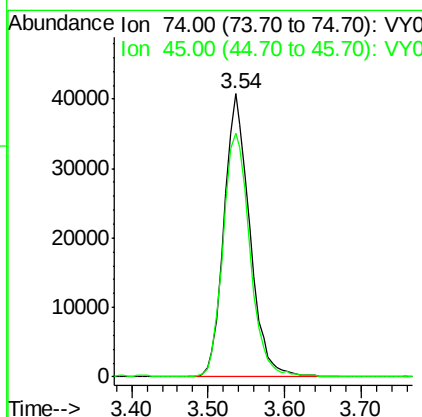
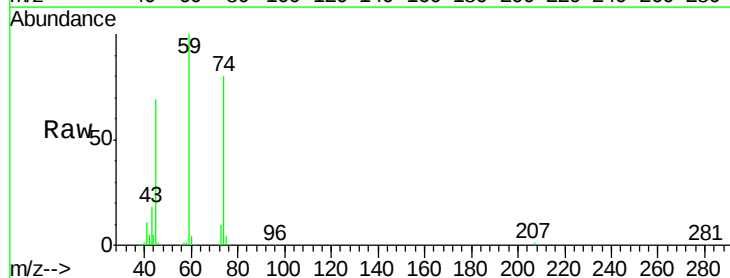
MMDadoda  
5/8/2020 1:23:52 PM

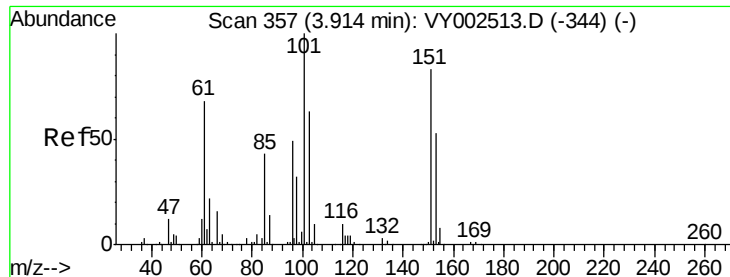


#8

Diethyl Ether  
Concen: 53.482 ug/l  
RT: 3.54 min Scan# 295  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 94651 |       |       |
| 45      | 90.1  | 46.2  | 138.5 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.165 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA\_Y

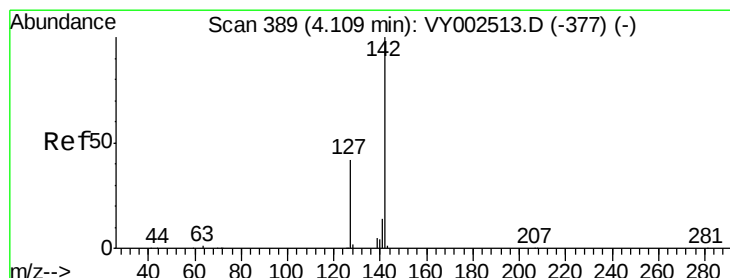
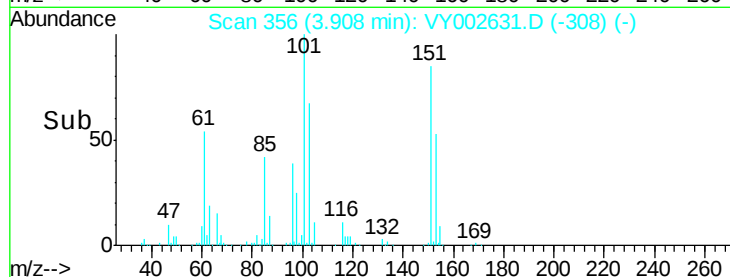
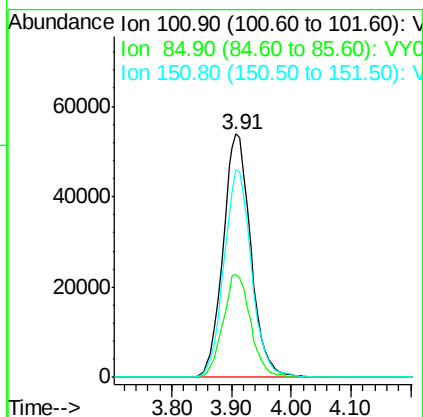
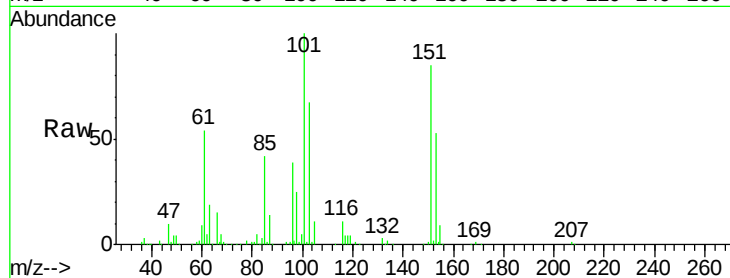
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 174339 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.1  | 33.4  | 50.2   |
| 151       | 84.6  | 66.8  | 100.2  |

Manual Integrations  
APPROVED

MMDadoda  
5/8/2020 1:23:52 PM



#10

Methyl Iodide

Concen: 55.586 ug/l

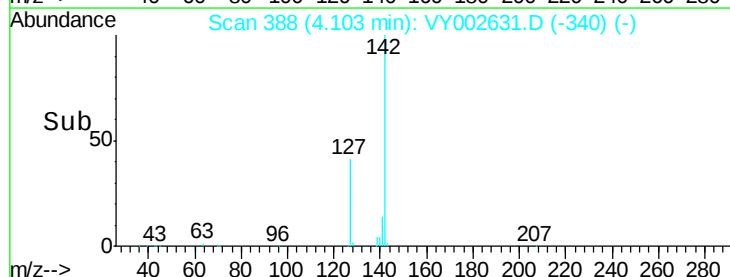
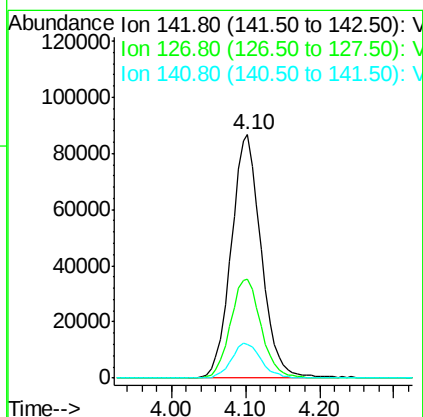
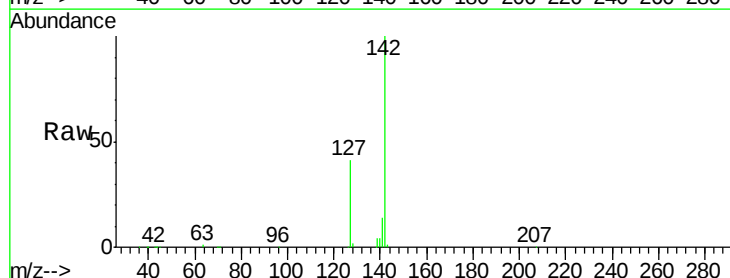
RT: 4.10 min Scan# 388

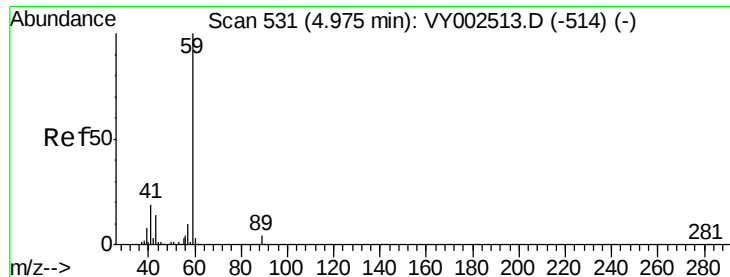
Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 243753 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 41.7  | 33.7  | 50.5   |
| 141       | 14.3  | 11.4  | 17.0   |





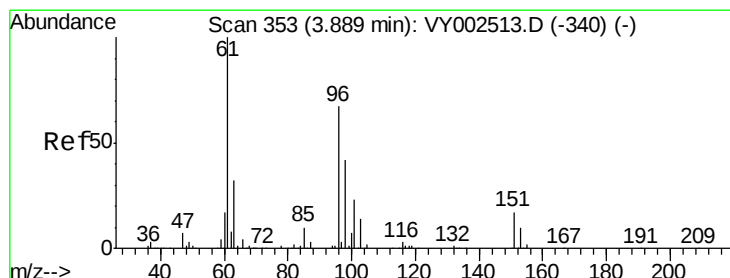
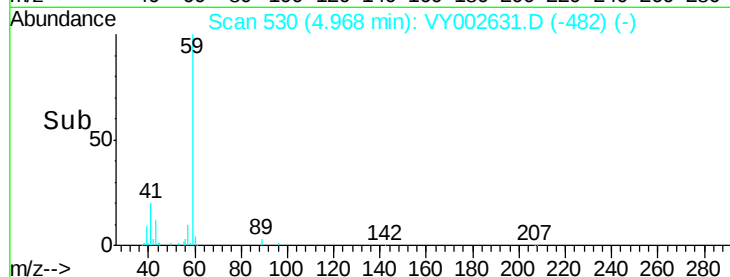
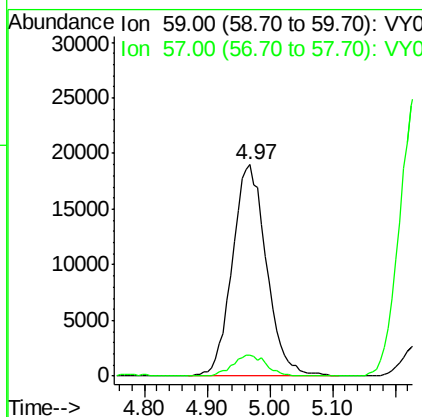
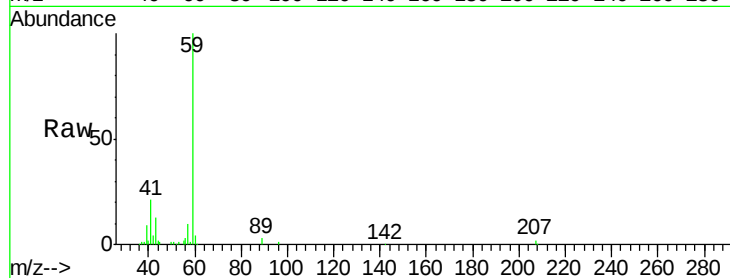
#11  
Tert butyl alcohol  
Concen: 228.000 ug/l  
RT: 4.97 min Scan# 530  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 59  | Resp  | 71640 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 57        | 9.7 | 7.8   | 11.6  |

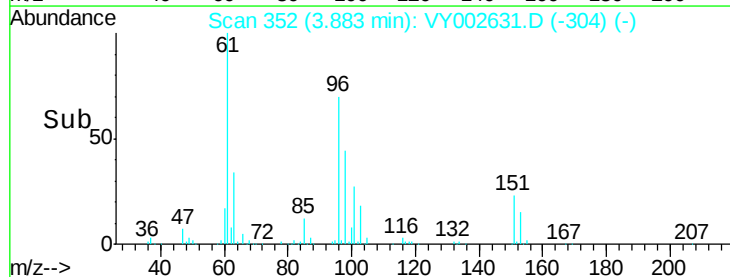
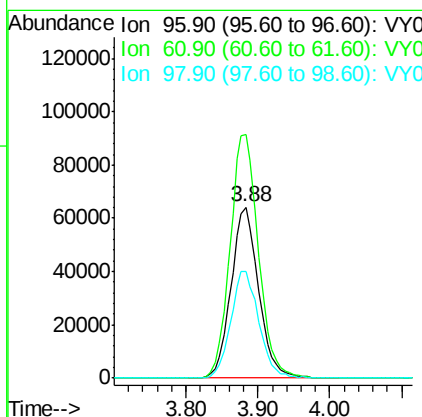
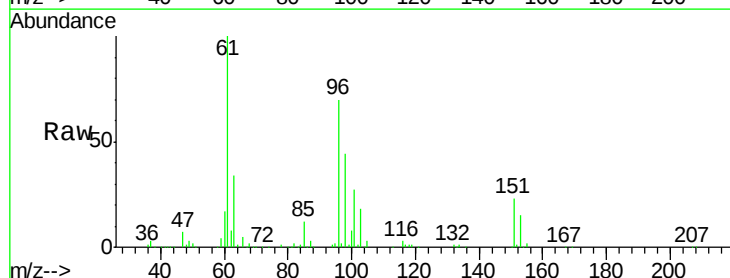
Manual Integrations  
APPROVED

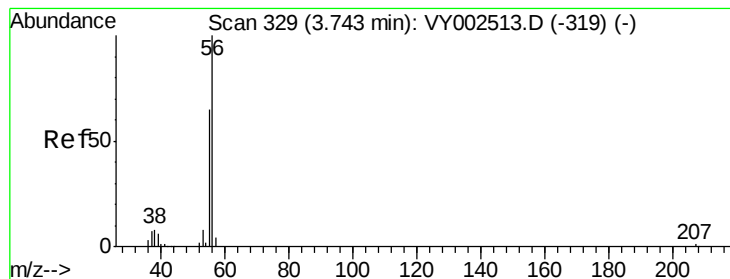
MMDadoda  
5/8/2020 1:23:52 PM



#12  
1,1-Dichloroethene  
Concen: 54.623 ug/l  
RT: 3.88 min Scan# 352  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

| Tgt Ion   | 96    | Resp  | 170798 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 142.5 | 118.8 | 178.2  |
| 98        | 62.3  | 49.6  | 74.4   |





#13

Acrolein

Concen: 192.261 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 41774

Ion Ratio Lower Upper

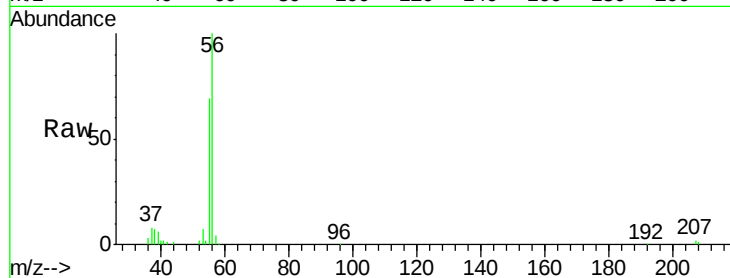
56 100

55 69.0 53.8 80.6

Manual Integrations  
APPROVED

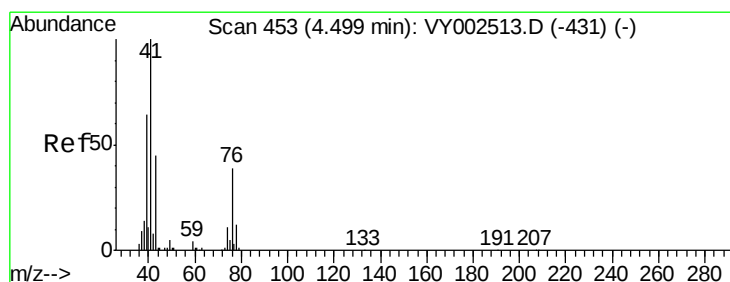
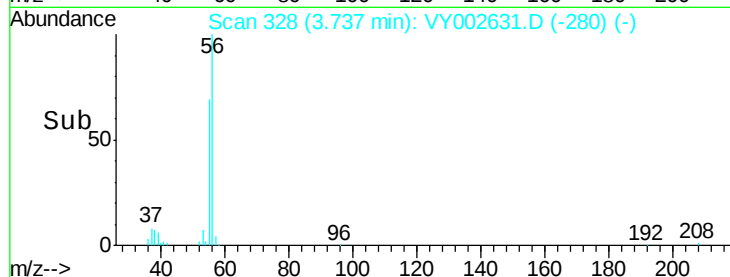
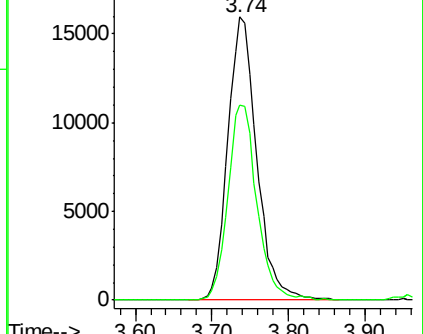
MMDadoda

5/8/2020 1:23:52 PM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 55.365 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

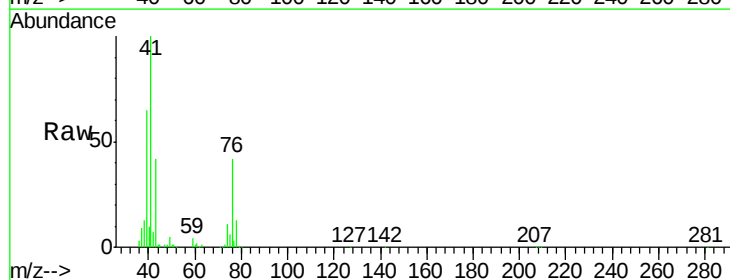
Tgt Ion: 41 Resp: 252233

Ion Ratio Lower Upper

41 100

39 62.5 51.8 77.6

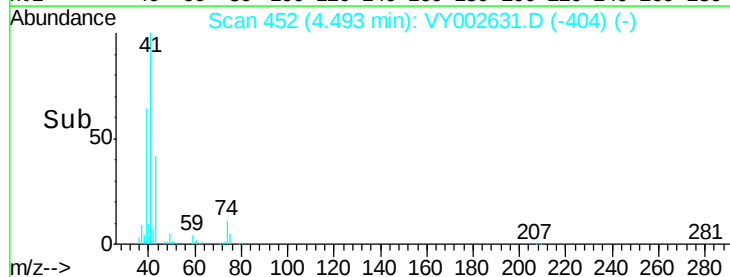
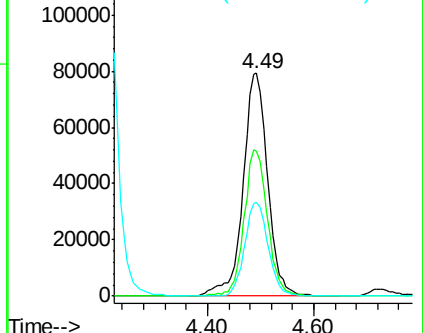
76 40.1 31.7 47.5

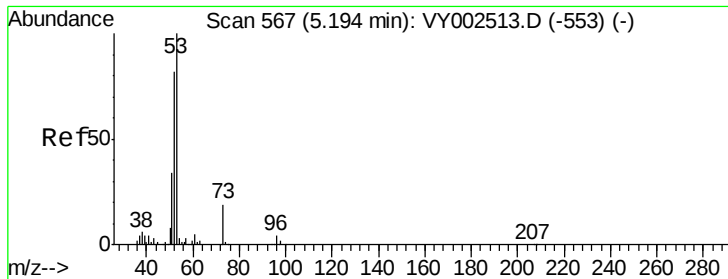


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 253.423 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.02 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA\_Y

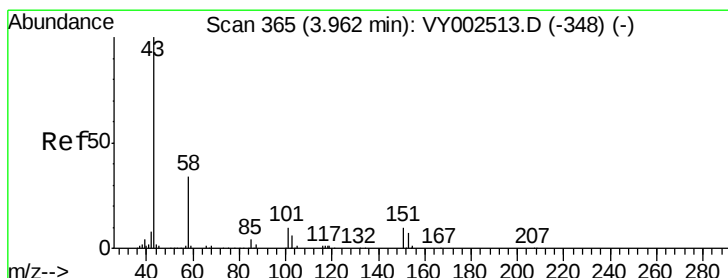
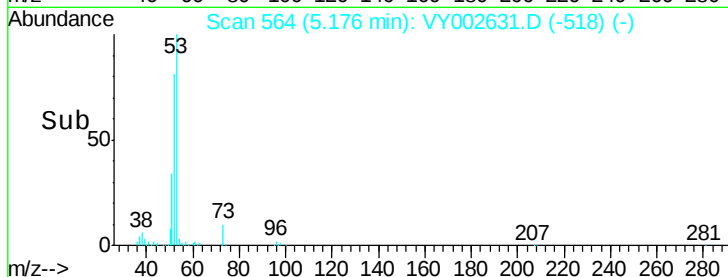
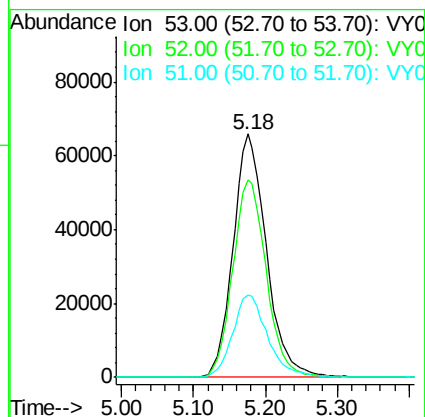
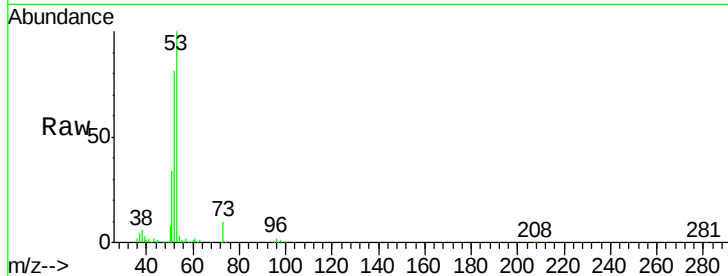
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 211505 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 81.6  | 65.4  | 98.0   |
| 51        | 35.7  | 28.7  | 43.1   |

Manual Integrations  
APPROVED

MMDadoda  
5/8/2020 1:23:52 PM



#16

Acetone

Concen: 246.813 ug/l

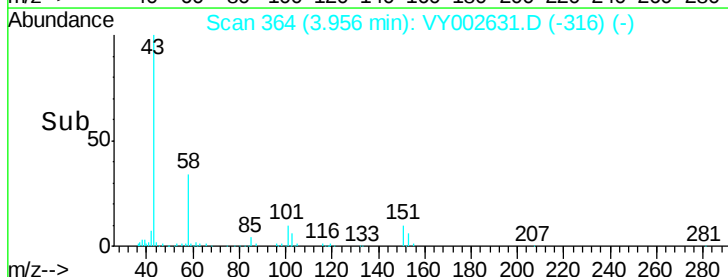
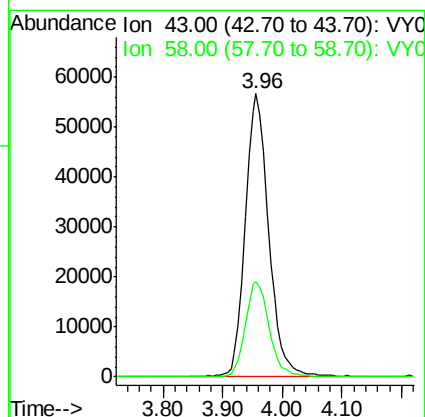
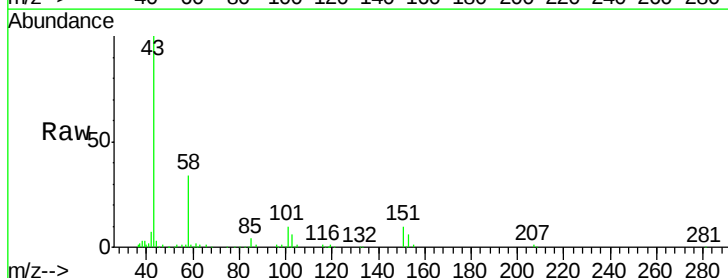
RT: 3.96 min Scan# 364

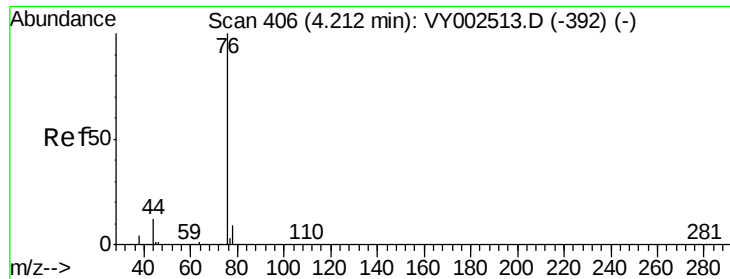
Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 155564 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 33.7  | 26.9  | 40.3   |





#17

Carbon Disulfide

Concen: 54.743 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 514952

Ion Ratio Lower Upper

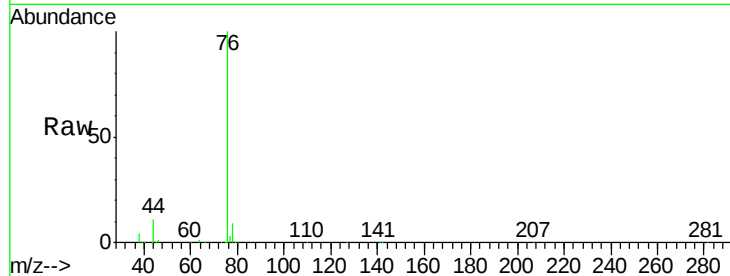
76 100

78 9.1 7.4 11.2

Manual Integrations  
APPROVED

MMDadoda

5/8/2020 1:23:52 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

200000

150000

100000

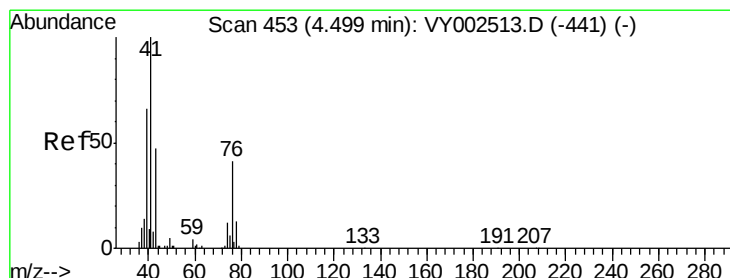
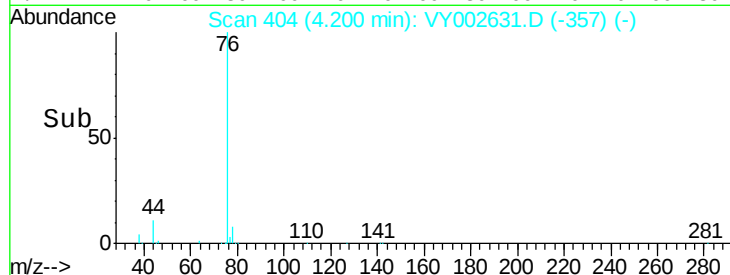
50000

0

4.20

4.10 4.20 4.30 4.40

Time-->



#18

Methyl Acetate

Concen: 48.536 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.01 min

Lab File: VY002631.D

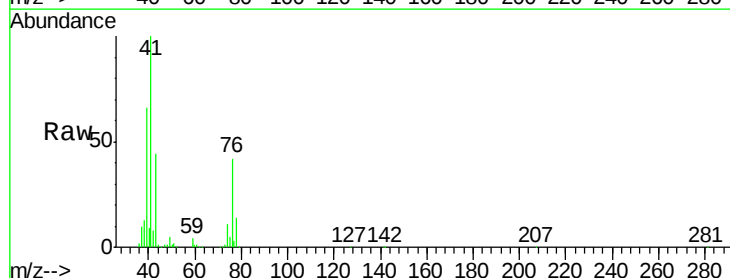
Acq: 07 May 2020 16:19

Tgt Ion: 43 Resp: 102214

Ion Ratio Lower Upper

43 100

74 25.9 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

40000

30000

20000

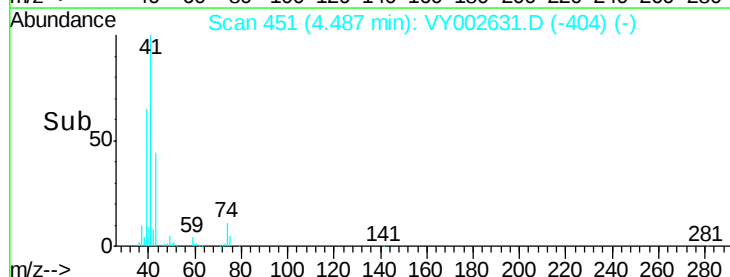
10000

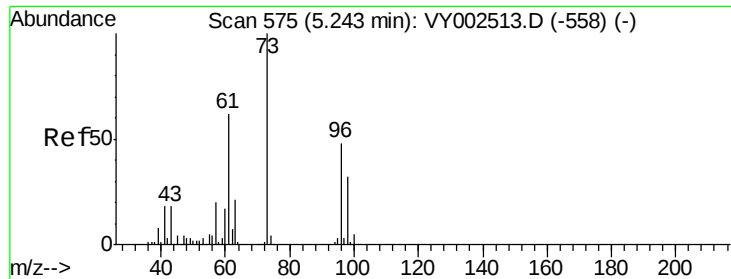
0

4.49

4.30 4.40 4.50 4.60

Time-->





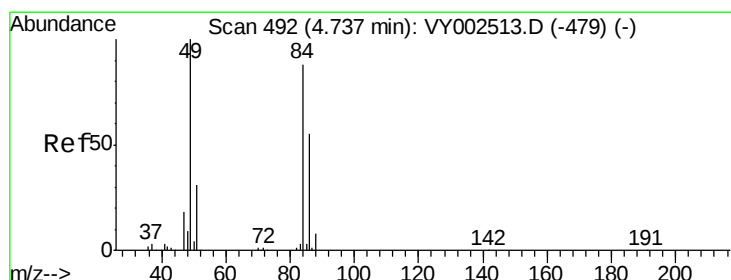
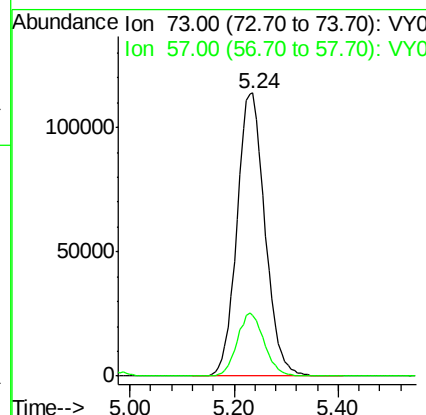
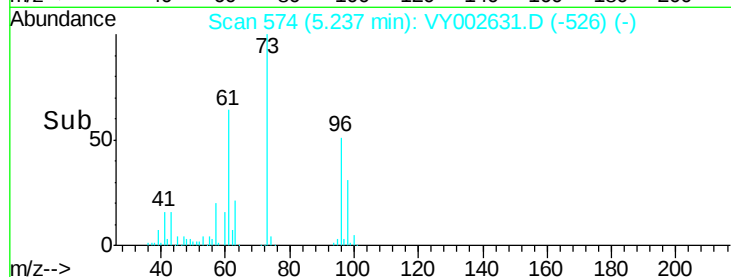
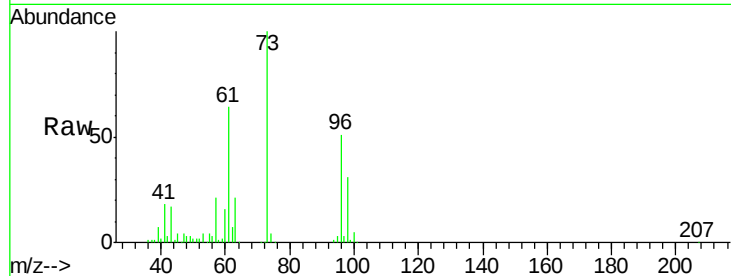
#19  
Methvl tert-butvl Ether  
Concen: 52.196 ug/l  
RT: 5.24 min Scan# 574  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 425810  
Ion Ratio Lower Upper  
73 100  
57 21.3 16.3 24.5

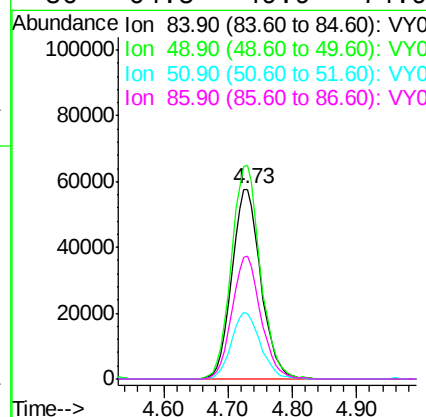
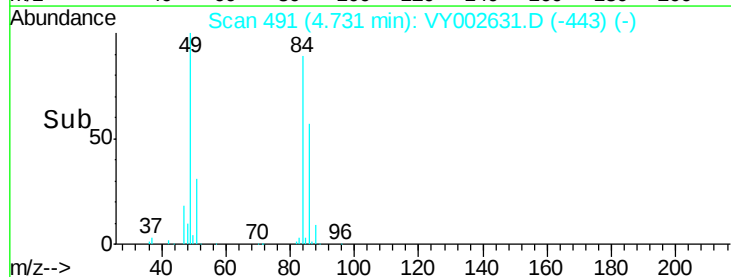
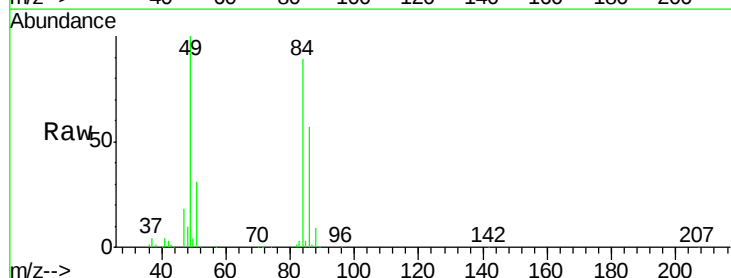
Manual Integrations  
APPROVED

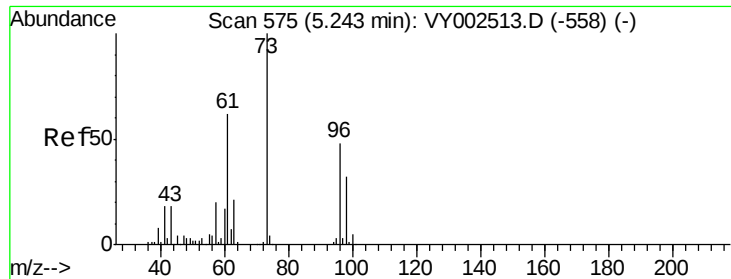
MMDadoda  
5/8/2020 1:23:52 PM



#20  
Methylene Chloride  
Concen: 51.599 ug/l  
RT: 4.73 min Scan# 491  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

Tgt Ion: 84 Resp: 181869  
Ion Ratio Lower Upper  
84 100  
49 112.5 90.5 135.7  
51 34.3 28.3 42.5  
86 64.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 54.559 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA\_Y

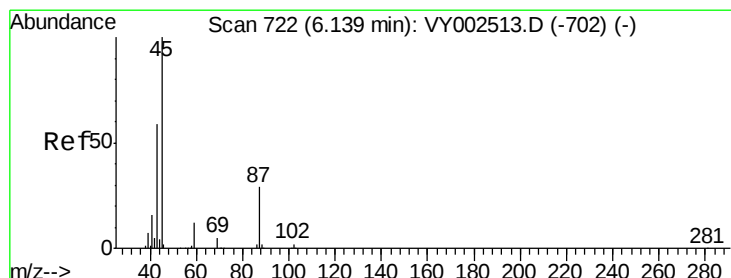
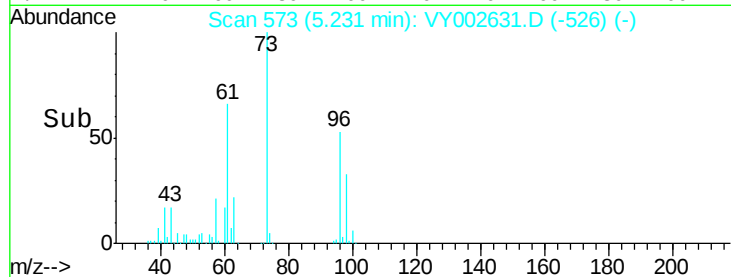
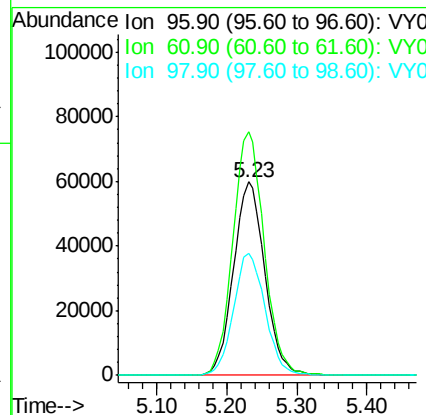
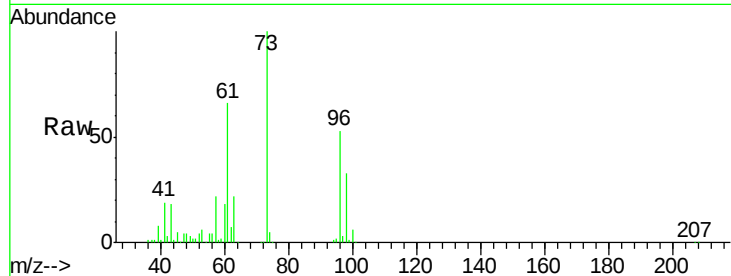
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 186460 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 126.1 | 102.0 | 153.0  |
| 98       | 63.3  | 53.0  | 79.4   |

Manual Integrations  
APPROVED

MMDadoda  
5/8/2020 1:23:52 PM



#22

Diisopropyl ether

Concen: 54.285 ug/l

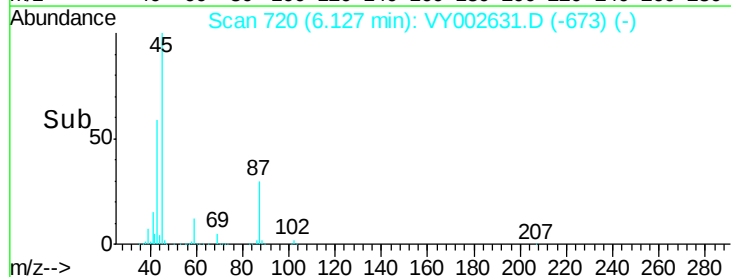
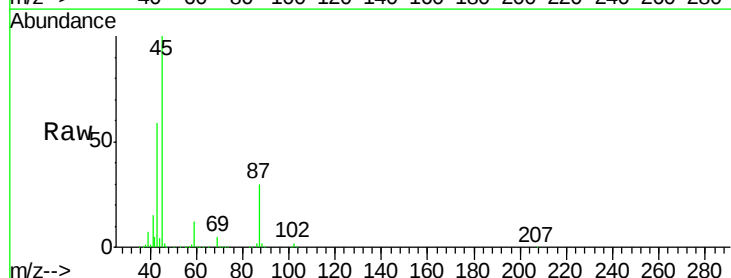
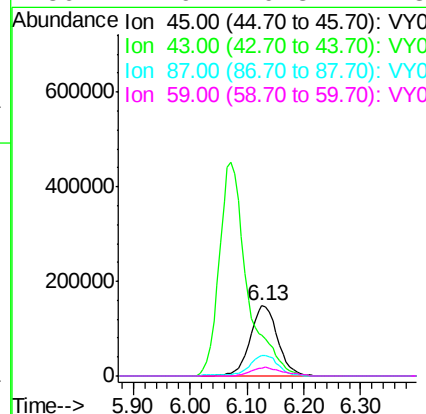
RT: 6.13 min Scan# 720

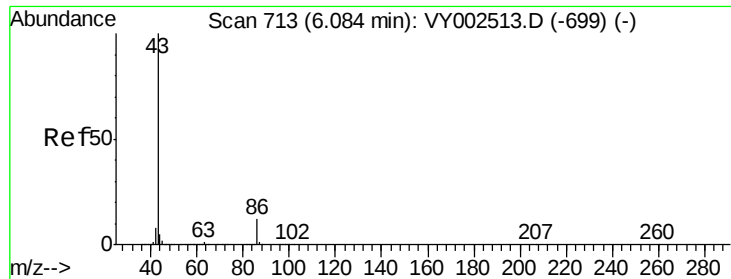
Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 500405 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 58.3  | 47.4  | 71.0   |
| 87       | 29.8  | 24.0  | 36.0   |
| 59       | 11.9  | 9.8   | 14.8   |





#23

Vinyl Acetate

Concen: 264.341 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1532455

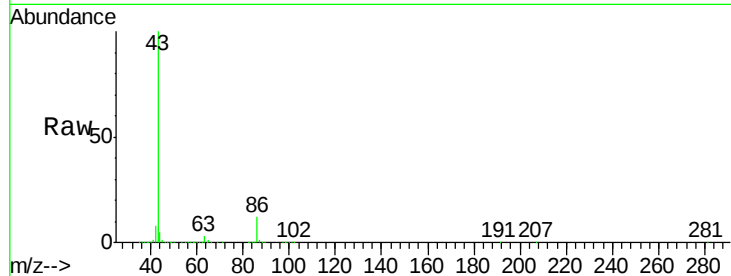
Ion Ratio Lower Upper

43 100

86 12.2 9.8 14.6

Manual Integrations  
APPROVED

MMDadoda  
5/8/2020 1:23:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

400000

300000

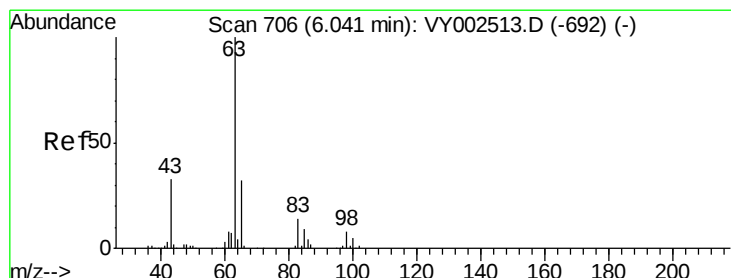
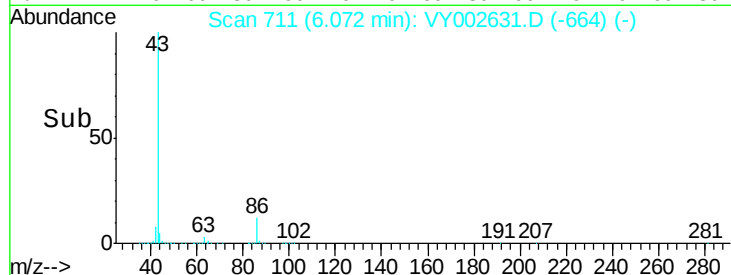
200000

100000

0

6.00 6.20

Time-->



#24

1,1-Dichloroethane

Concen: 54.435 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

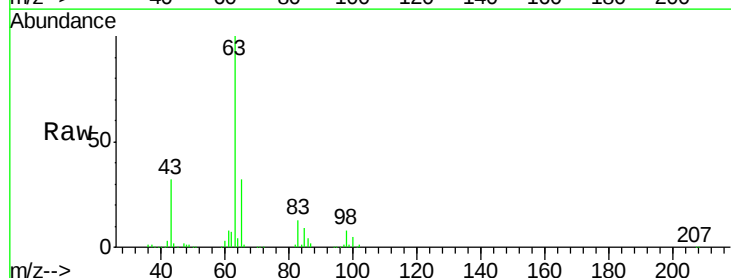
Tgt Ion: 63 Resp: 296859

Ion Ratio Lower Upper

63 100

98 8.5 3.9 11.7

100 4.8 2.4 7.2



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

120000

100000

80000

60000

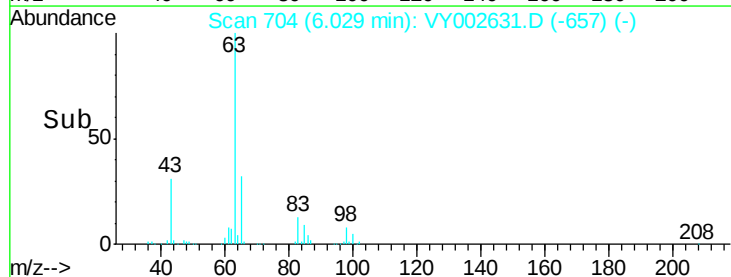
40000

20000

0

5.90 6.00 6.10 6.20

Time-->





#25

2-Butanone

Concen: 246.382 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 254204

Ion Ratio Lower Upper

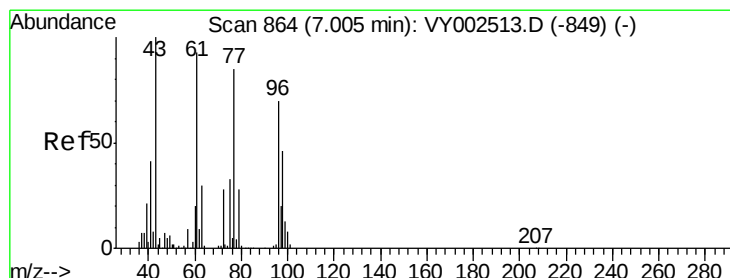
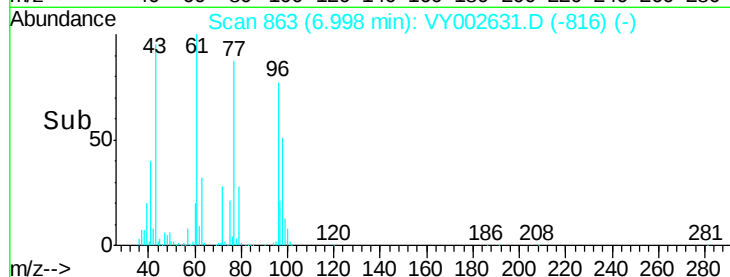
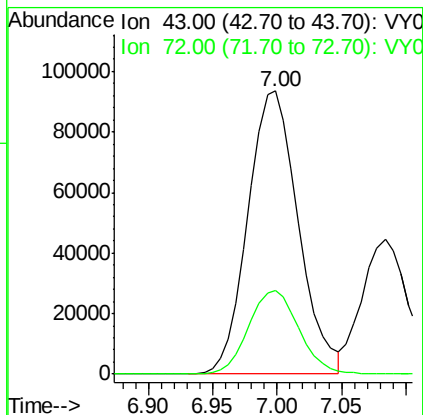
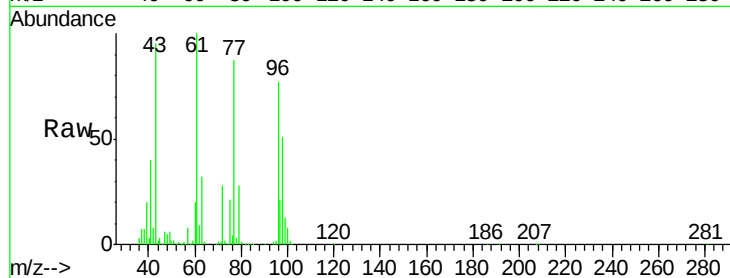
43 100

72 29.4 24.1 36.1

Manual Integrations  
APPROVED

MMDadoda

5/8/2020 1:23:52 PM



#26

2,2-Dichloropropane

Concen: 52.037 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002631.D

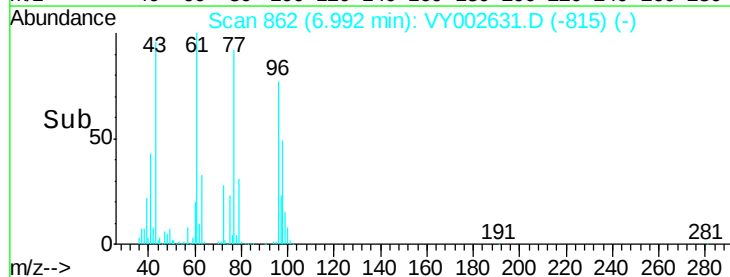
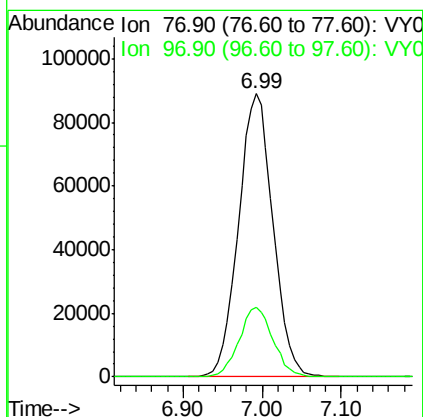
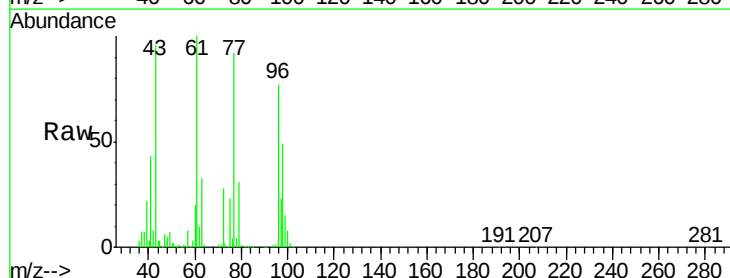
Acq: 07 May 2020 16:19

Tgt Ion: 77 Resp: 269740

Ion Ratio Lower Upper

77 100

97 24.2 11.9 35.5





#27

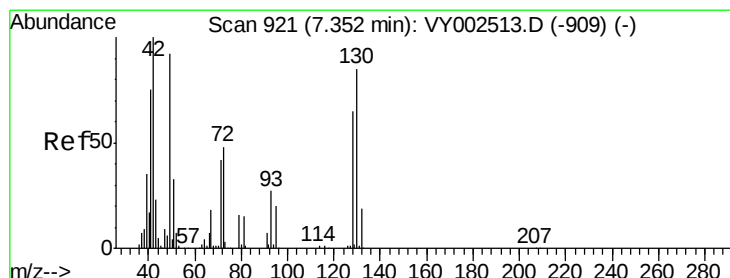
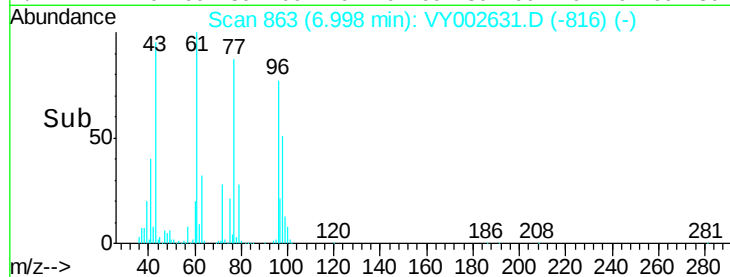
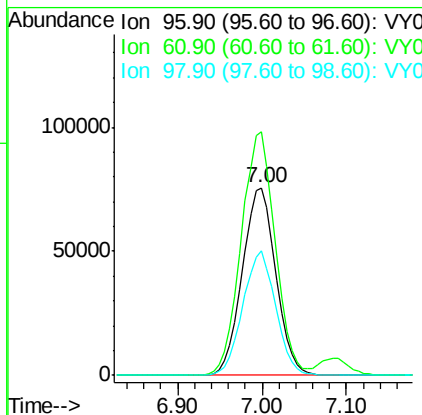
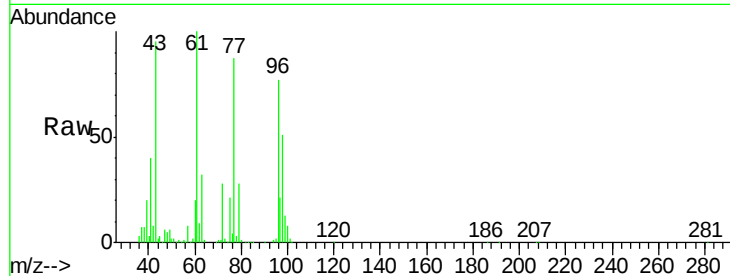
cis-1,2-Dichloroethene  
 Concen: 54.101 ug/l  
 RT: 7.00 min Scan# 863  
 Delta R.T. -0.01 min  
 Lab File: VY002631.D  
 Acq: 07 May 2020 16:19

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 204581 |       |       |
| 61      | 131.2 |        | 0.0   | 266.6 |
| 98      | 64.9  |        | 0.0   | 129.2 |

Manual Integrations  
 APPROVED

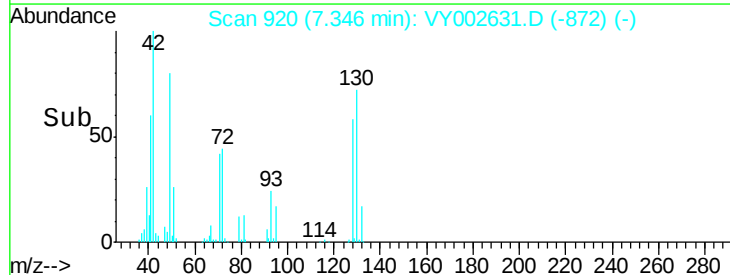
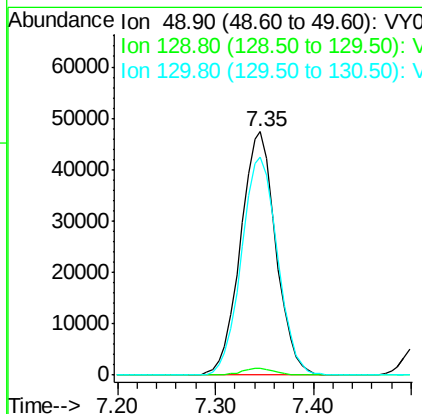
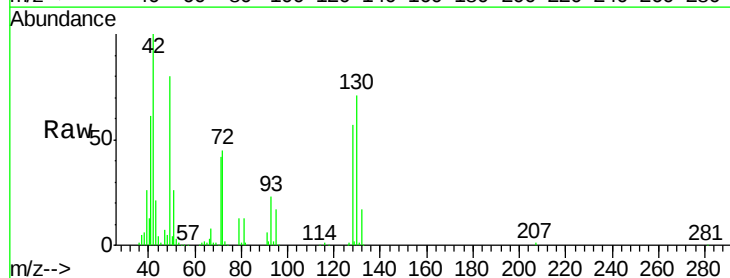
MMDadoda  
 5/8/2020 1:23:52 PM

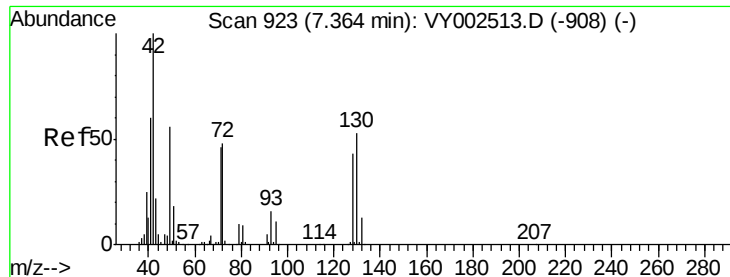


#28

Bromochloromethane  
 Concen: 53.015 ug/l  
 RT: 7.35 min Scan# 920  
 Delta R.T. -0.01 min  
 Lab File: VY002631.D  
 Acq: 07 May 2020 16:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 118455 |       |       |
| 129     | 2.5   |        | 0.0   | 4.8   |
| 130     | 91.6  |        | 72.5  | 108.7 |





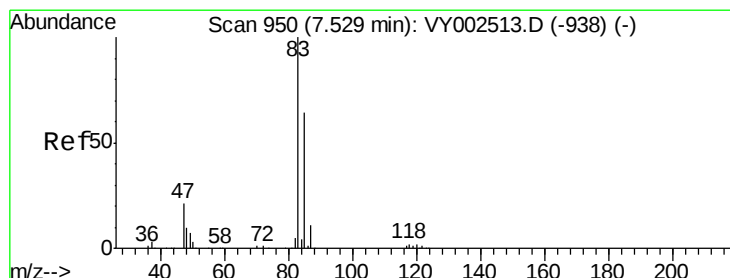
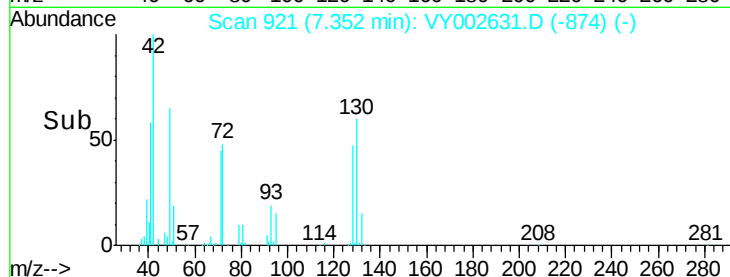
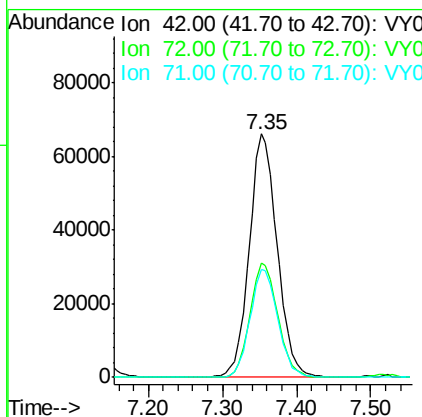
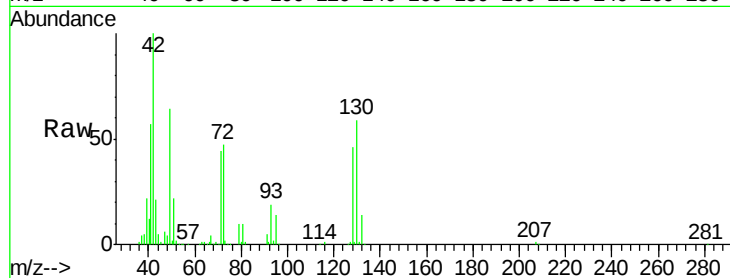
#29  
Tetrahydrofuran  
Concen: 254.747 ug/l  
RT: 7.35 min Scan# 921  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 42    | Resp: | 173896 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 46.7  | 37.4  | 56.2   |
| 71       | 44.0  | 35.0  | 52.4   |

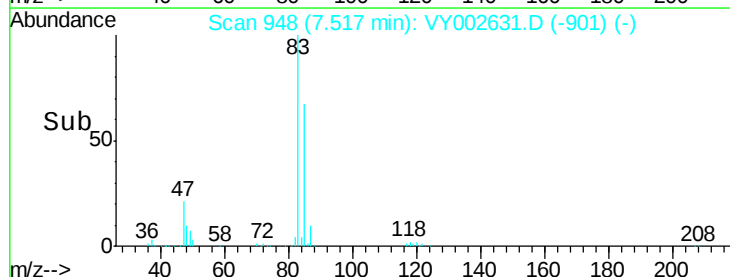
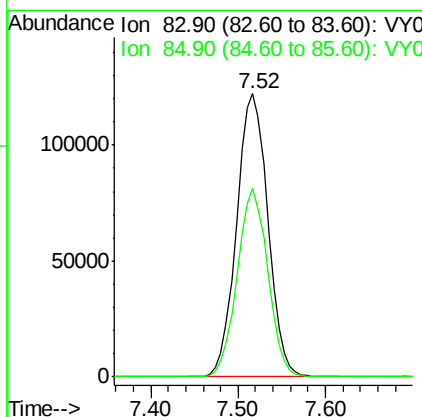
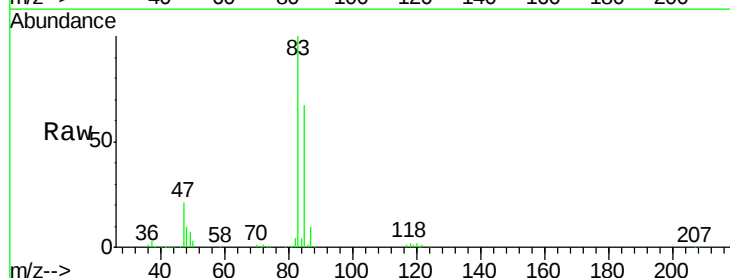
Manual Integrations  
APPROVED

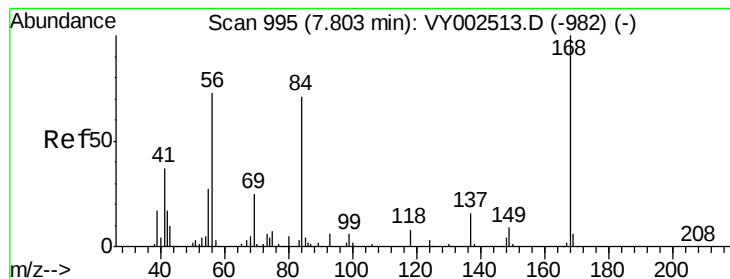
MMDadoda  
5/8/2020 1:23:52 PM



#30  
Chloroform  
Concen: 53.523 ug/l  
RT: 7.52 min Scan# 948  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 303495 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 66.6  | 51.5  | 77.3   |





#31

Cyclohexane

Concen: 52.788 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA\_Y

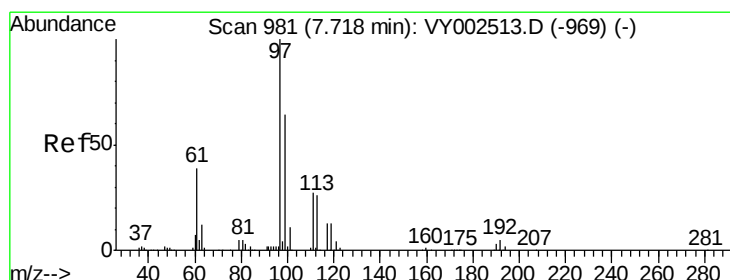
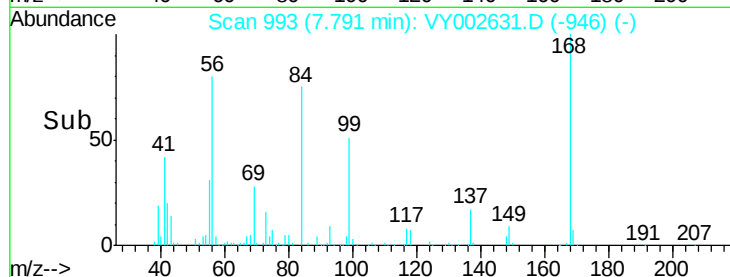
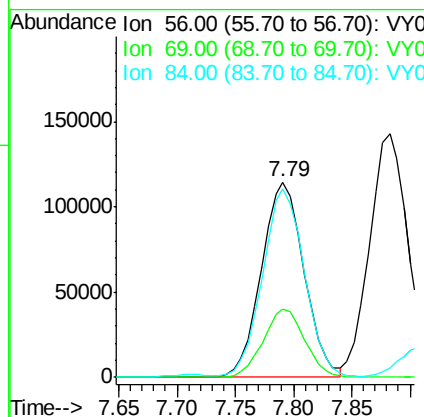
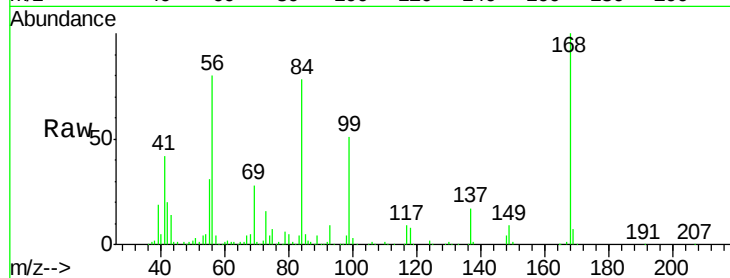
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 289769 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 35.2  | 27.6  | 41.4   |
| 84        | 95.3  | 77.7  | 116.5  |

Manual Integrations  
APPROVED

MMDadoda  
5/8/2020 1:23:52 PM



#32

1,1,1-Trichloroethane

Concen: 54.073 ug/l

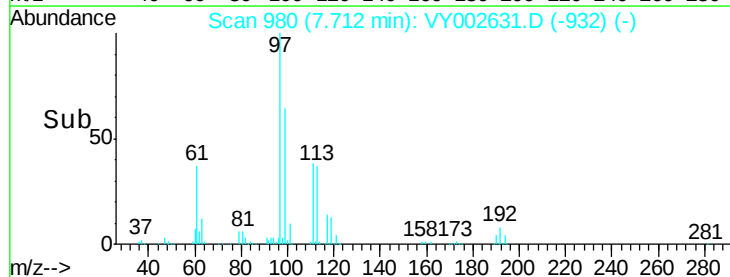
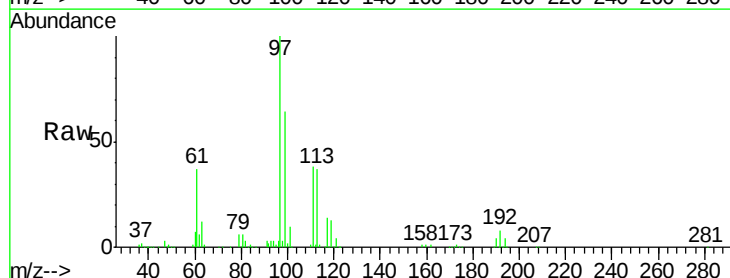
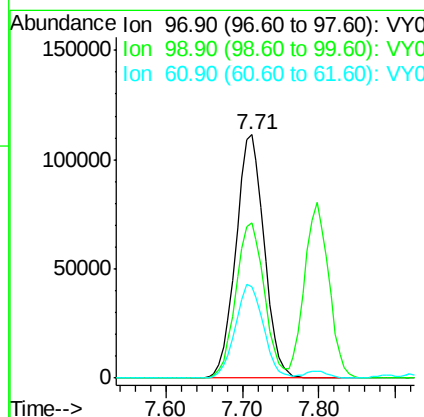
RT: 7.71 min Scan# 980

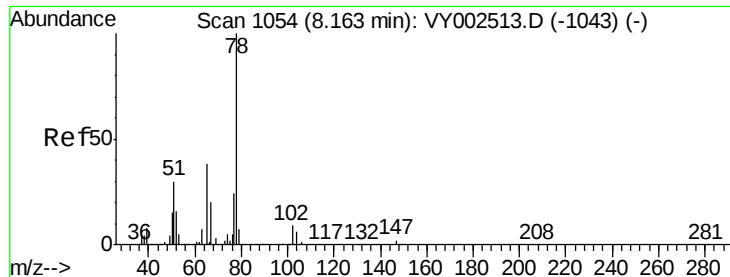
Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 284985 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 64.2  | 51.9  | 77.9   |
| 61        | 38.3  | 31.0  | 46.6   |





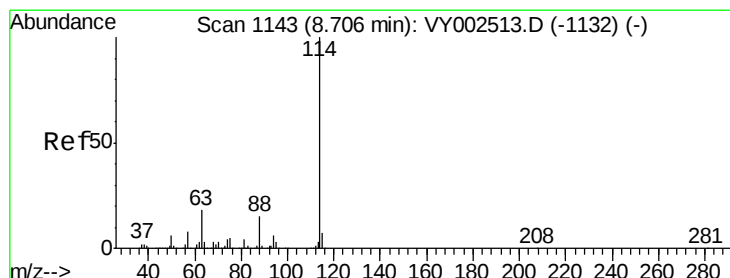
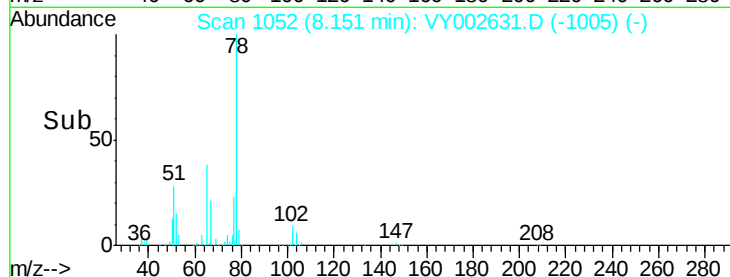
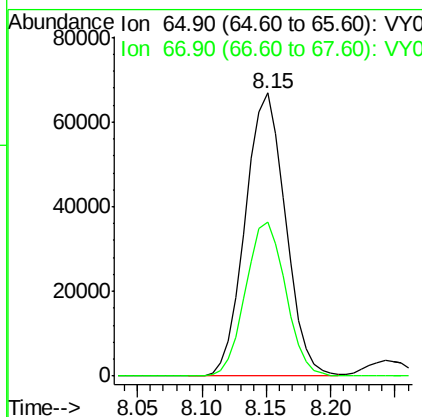
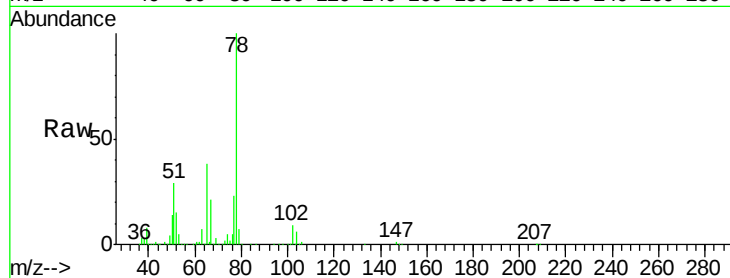
#33  
 1,2-Dichloroethane-d4  
 Concen: 47.397 ug/l  
 RT: 8.15 min Scan# 1052  
 Delta R.T. -0.01 min  
 Lab File: VY002631.D  
 Acq: 07 May 2020 16:19

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 54.0  | 0.0  | 107.2 |       |

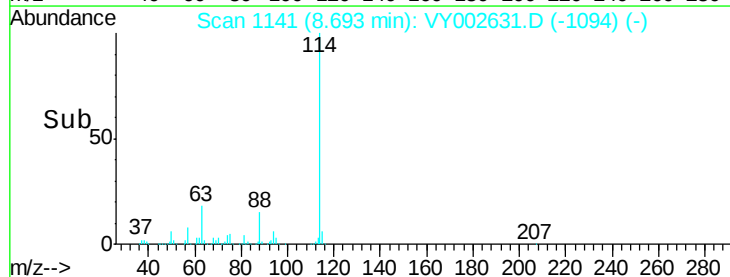
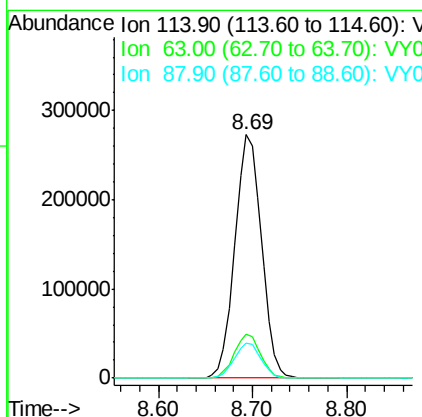
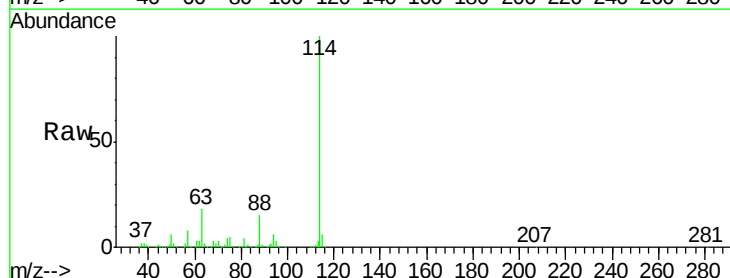
Manual Integrations  
 APPROVED

MMDadoda  
 5/8/2020 1:23:52 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. -0.01 min  
 Lab File: VY002631.D  
 Acq: 07 May 2020 16:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 18.1  | 0.0  | 36.4  |       |
| 88      | 14.6  | 0.0  | 29.6  |       |





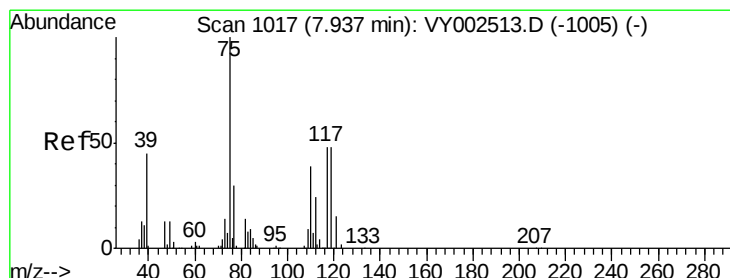
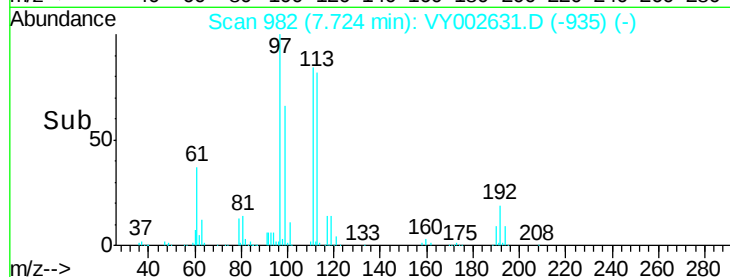
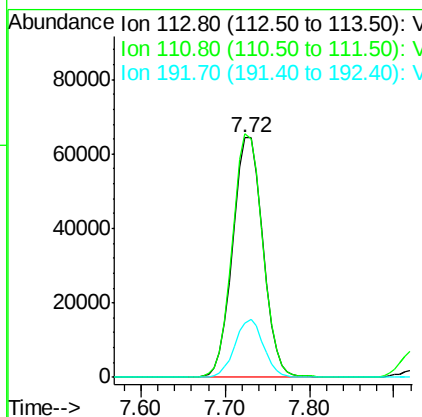
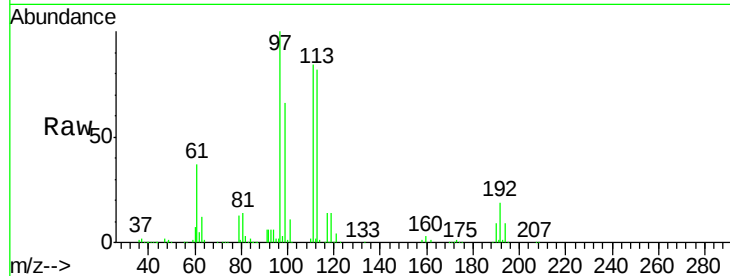
#35  
Dibromofluoromethane  
Concen: 50.685 ug/l  
RT: 7.72 min Scan# 982  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.8 | 81.8  | 122.6 |
| 192     | 22.9  | 18.2  | 27.4  |

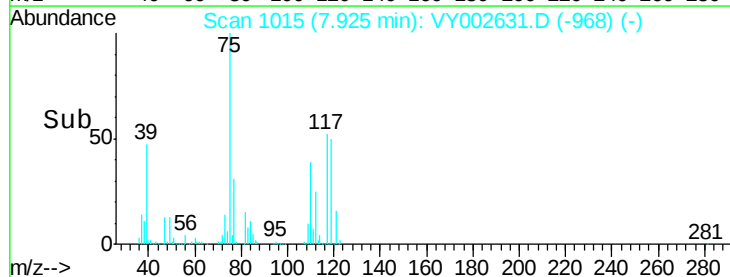
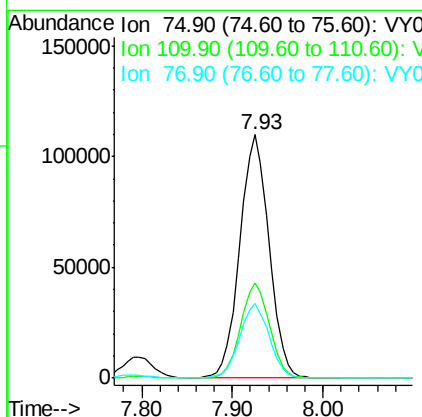
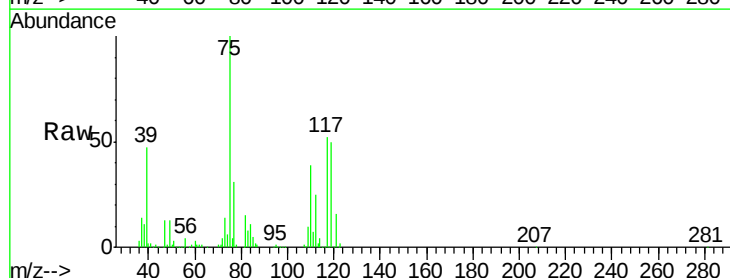
Manual Integrations  
APPROVED

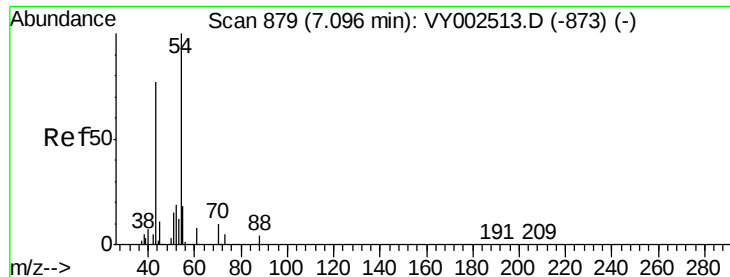
MMDadoda  
5/8/2020 1:23:52 PM



#36  
1,1-Dichloropropene  
Concen: 54.495 ug/l  
RT: 7.93 min Scan# 1015  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 38.6  | 19.1  | 57.3  |
| 77      | 31.1  | 24.6  | 37.0  |





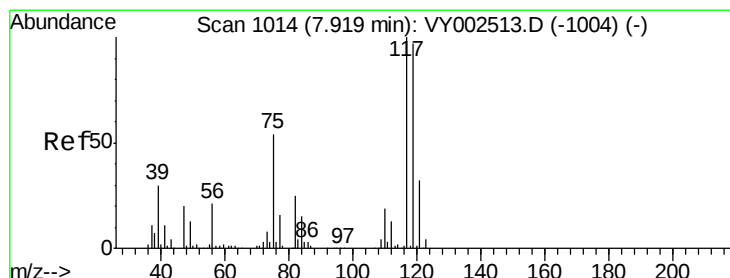
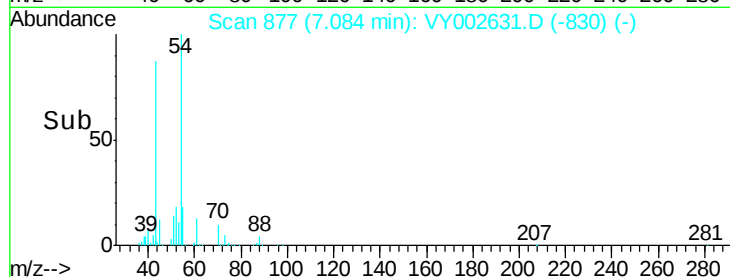
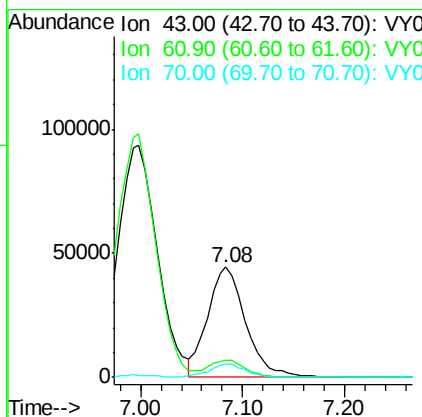
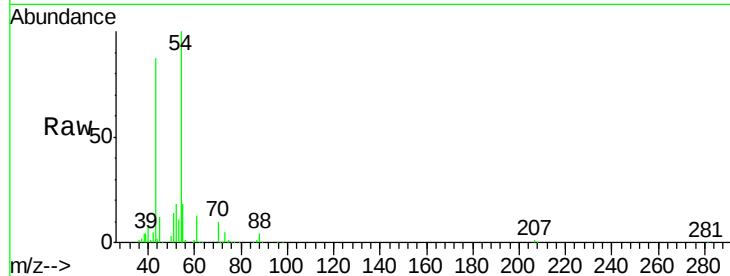
#37  
Ethyl Acetate  
Concen: 49.517 ug/l  
RT: 7.08 min Scan# 877  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 43    | Resp: | 114672 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 15.3  | 11.6  | 17.4   |
| 70        | 11.7  | 9.0   | 13.6   |

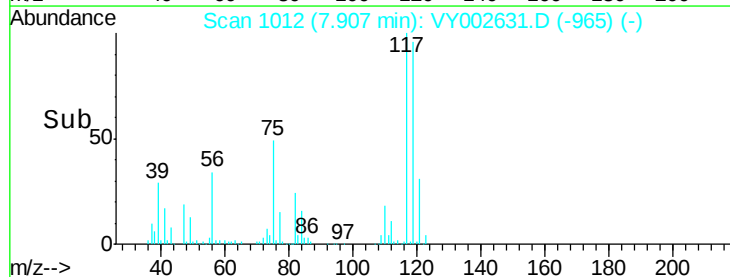
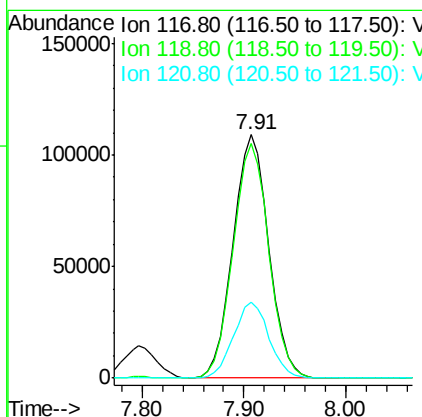
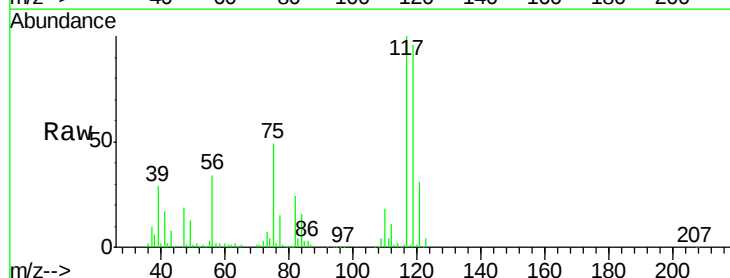
Manual Integrations  
APPROVED

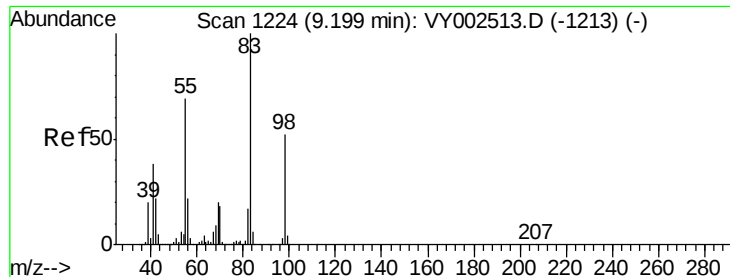
MMDadoda  
5/8/2020 1:23:52 PM



#38  
Carbon Tetrachloride  
Concen: 53.725 ug/l  
RT: 7.91 min Scan# 1012  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 264327 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 96.4  | 77.1  | 115.7  |
| 121       | 31.1  | 25.2  | 37.8   |





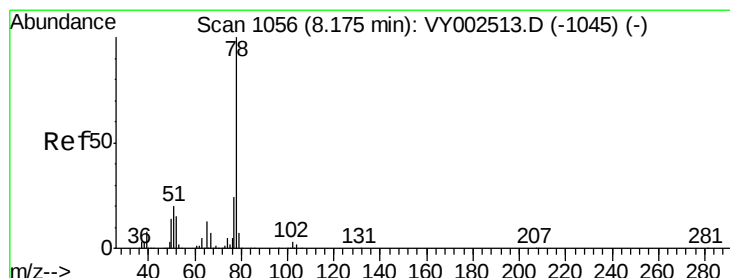
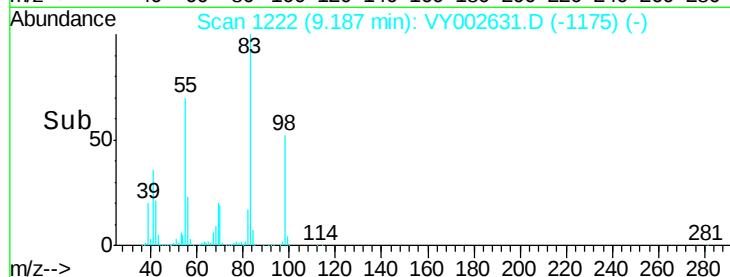
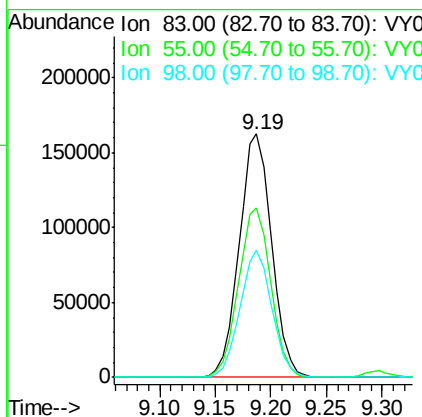
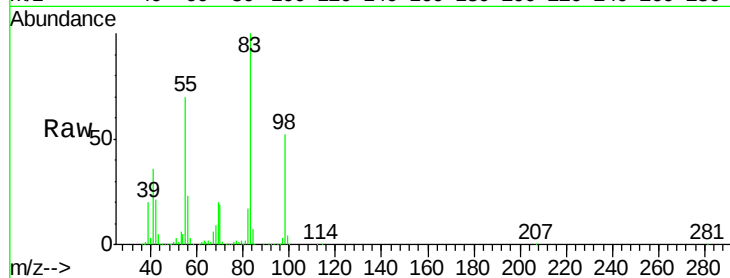
#39  
Methvlcvclohexane  
Concen: 55.156 ug/l  
RT: 9.19 min Scan# 1222  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 83    | Resp  | 328300 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 83      | 100   |       |        |
| 55      | 69.7  | 55.4  | 83.0   |
| 98      | 52.1  | 41.3  | 61.9   |

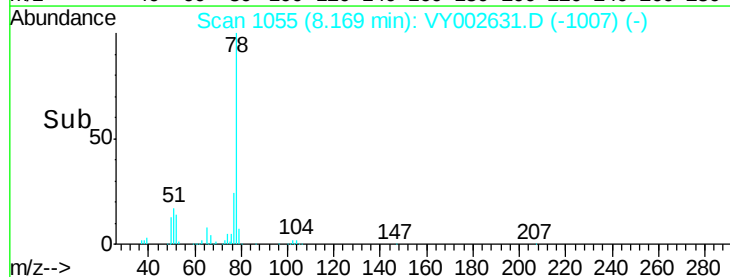
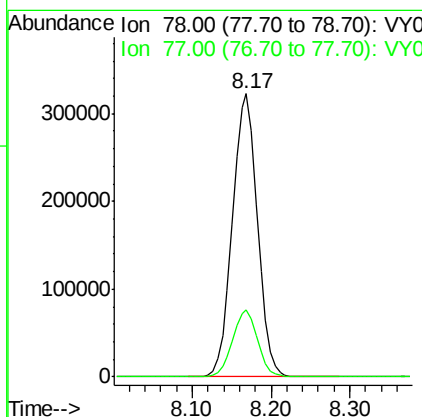
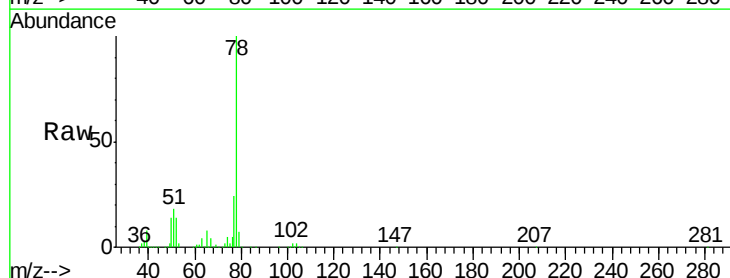
Manual Integrations  
APPROVED

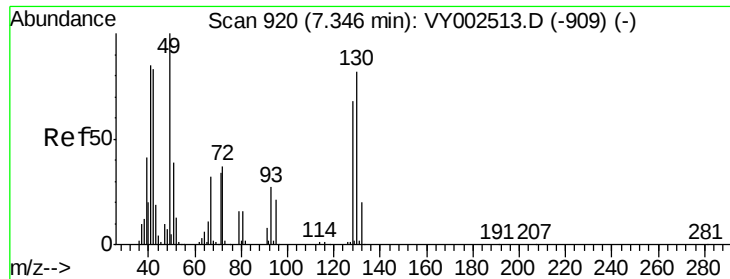
MMDadoda  
5/8/2020 1:23:52 PM



#40  
Benzene  
Concen: 54.475 ug/l  
RT: 8.17 min Scan# 1055  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

| Tgt Ion | 78    | Resp  | 709038 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 78      | 100   |       |        |
| 77      | 23.8  | 19.2  | 28.8   |





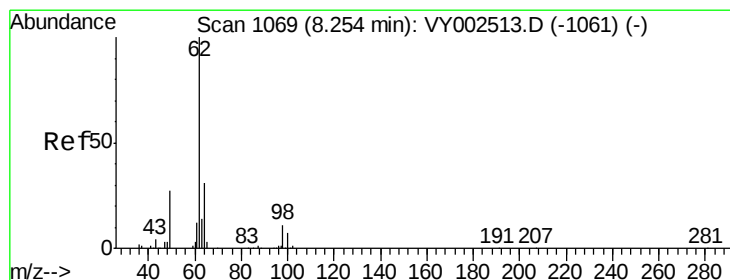
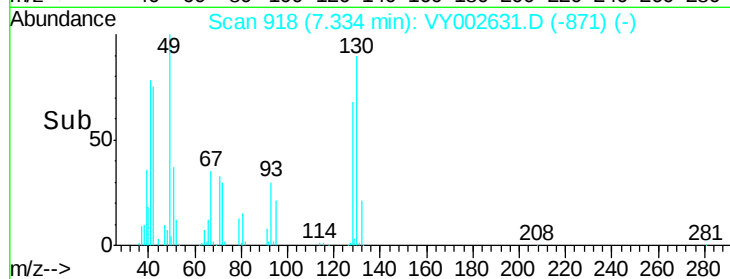
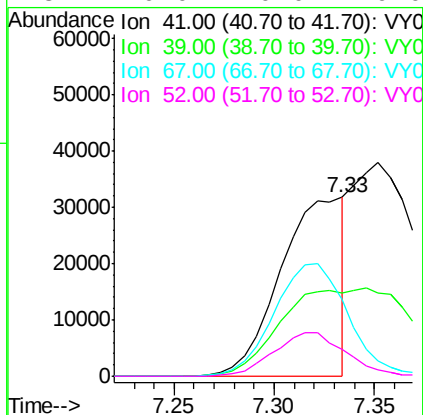
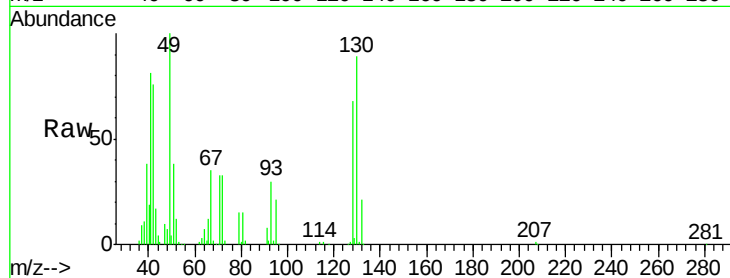
#41  
Methacrylonitrile  
Concen: 56.704 ug/l m  
RT: 7.33 min Scan# 918  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 100.8 | 83.1  | 124.7 |
| 67      | 0.0   | 0.0   | 0.0   |
| 52      | 0.0   | 0.0   | 0.0   |

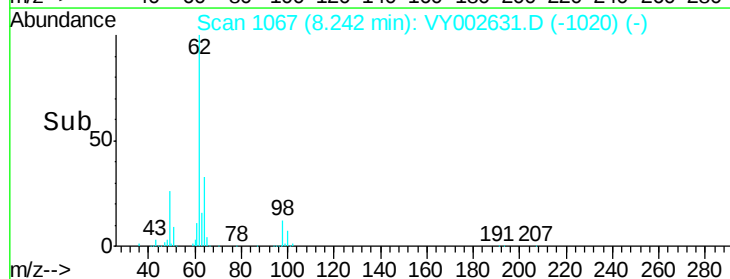
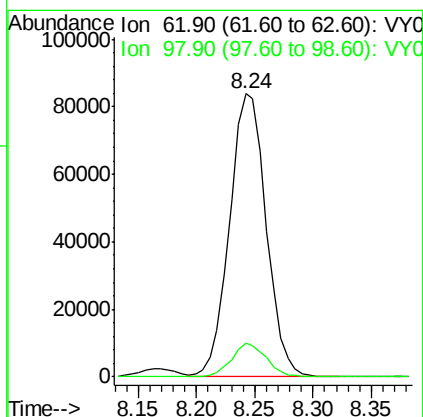
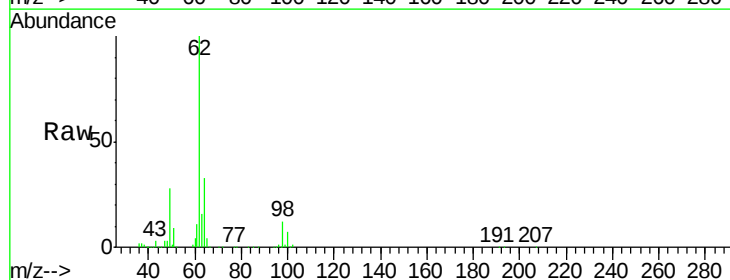
Manual Integrations  
APPROVED

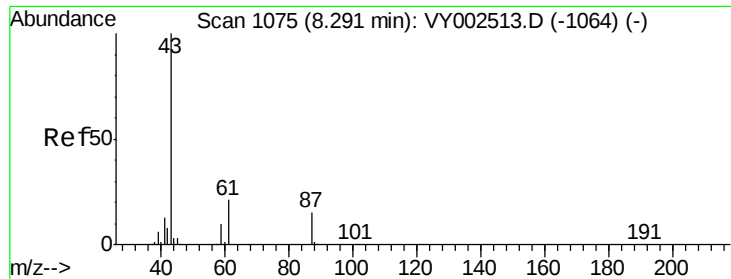
MMDadoda  
5/8/2020 1:23:52 PM



#42  
1,2-Dichloroethane  
Concen: 50.451 ug/l  
RT: 8.24 min Scan# 1067  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 11.3  | 0.0   | 21.0  |





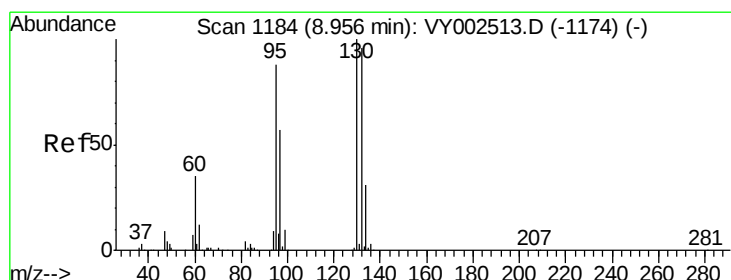
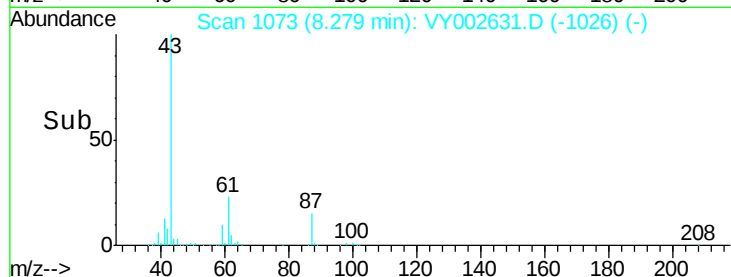
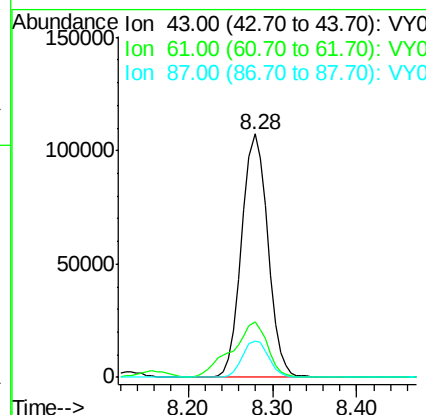
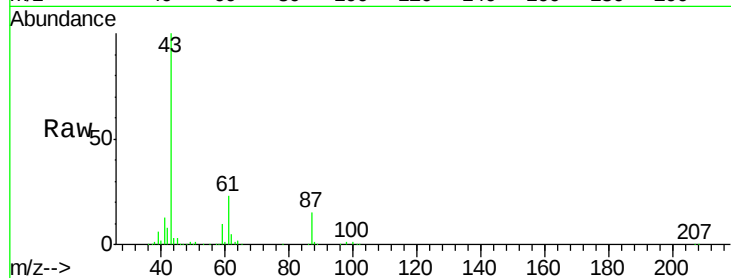
#43  
Isopropyl Acetate  
Concen: 51.990 ug/l  
RT: 8.28 min Scan# 1073  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 31.0  | 24.8  | 37.2  |
| 87      | 15.0  | 12.2  | 18.2  |

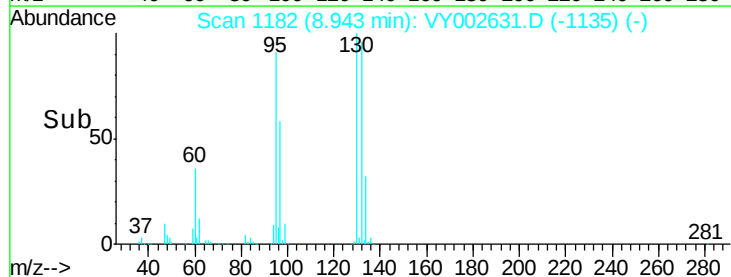
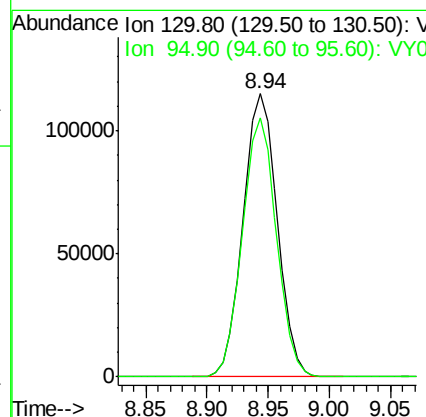
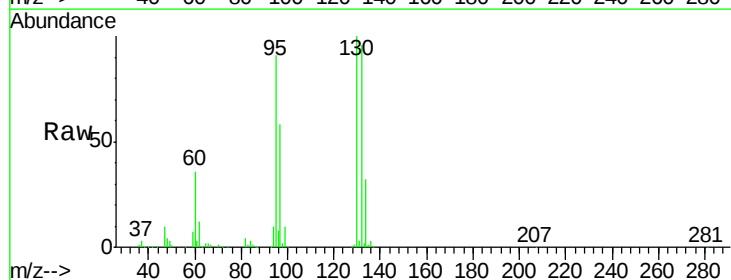
Manual Integrations  
APPROVED

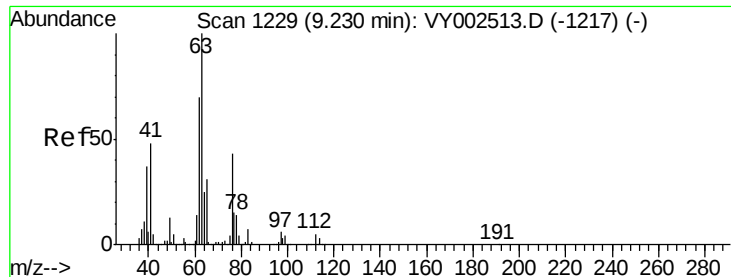
MMDadoda  
5/8/2020 1:23:52 PM



#44  
Trichloroethene  
Concen: 55.153 ug/l  
RT: 8.94 min Scan# 1182  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 91.3  | 0.0   | 175.8 |





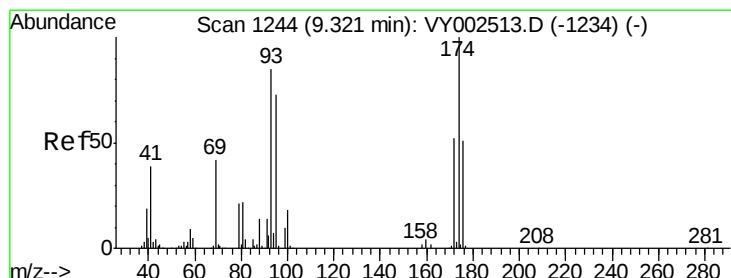
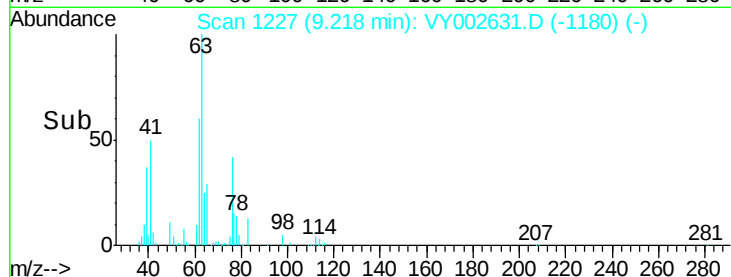
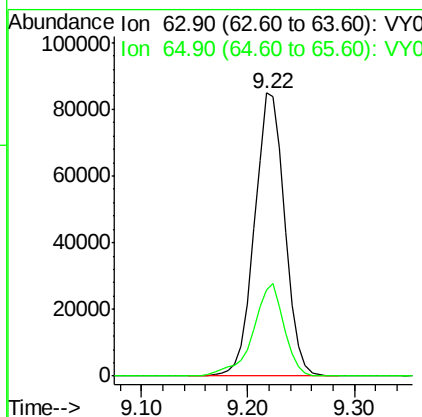
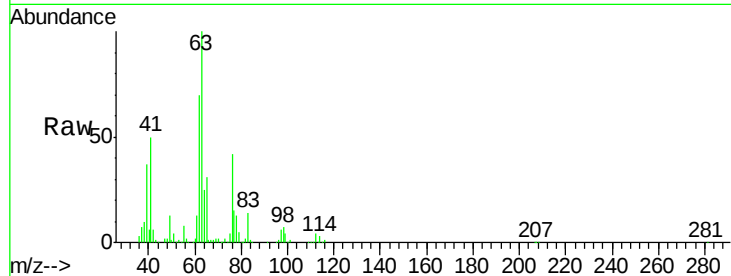
#45  
 1,2-Dichloropropane  
 Concen: 53.842 ug/l  
 RT: 9.22 min Scan# 1227  
 Delta R.T. -0.01 min  
 Lab File: VY002631.D  
 Acq: 07 May 2020 16:19

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.6  | 24.5  | 36.7  |

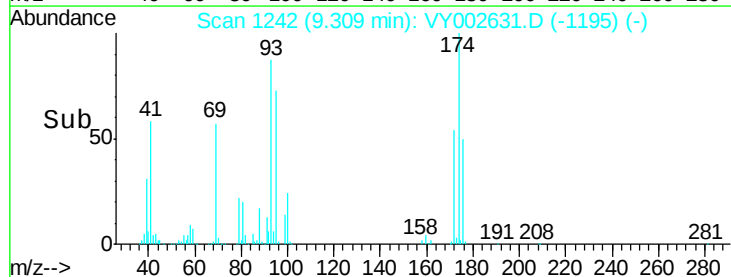
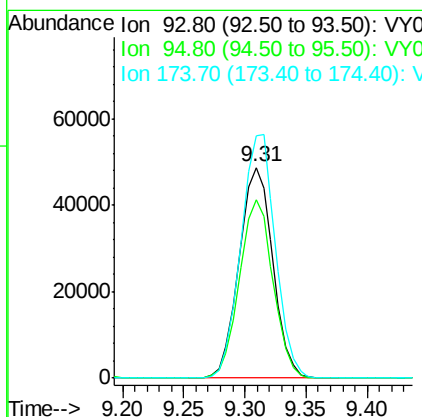
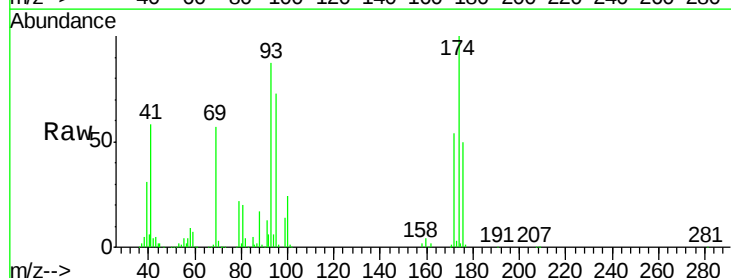
Manual Integrations  
 APPROVED

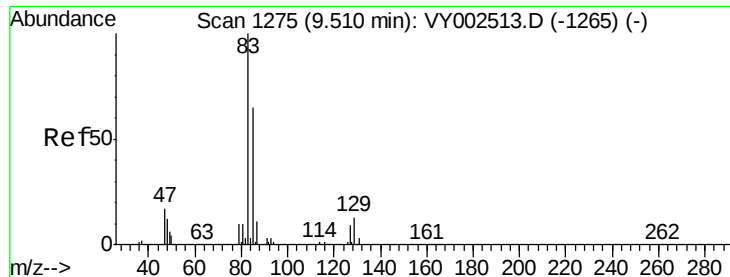
MMDadoda  
 5/8/2020 1:23:52 PM



#46  
 Dibromomethane  
 Concen: 51.662 ug/l  
 RT: 9.31 min Scan# 1242  
 Delta R.T. -0.01 min  
 Lab File: VY002631.D  
 Acq: 07 May 2020 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 84.2  | 67.0  | 100.4 |
| 174     | 118.4 | 92.7  | 139.1 |





#47

Bromodichloromethane

Concen: 53.439 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA\_Y

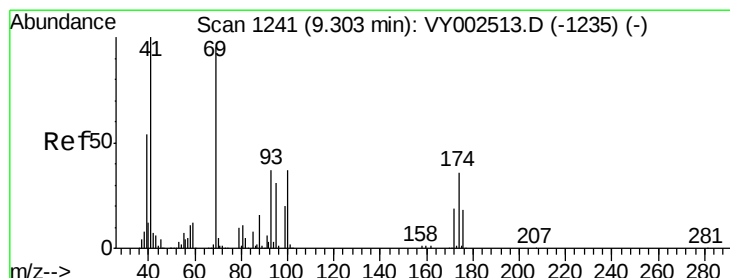
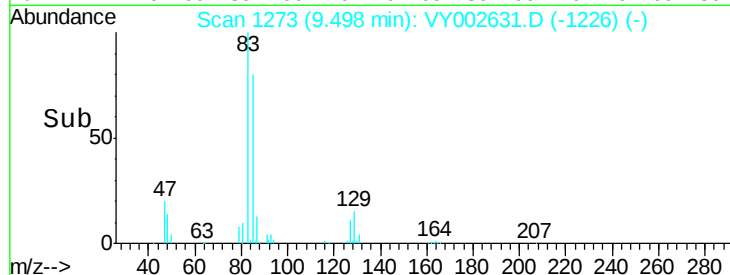
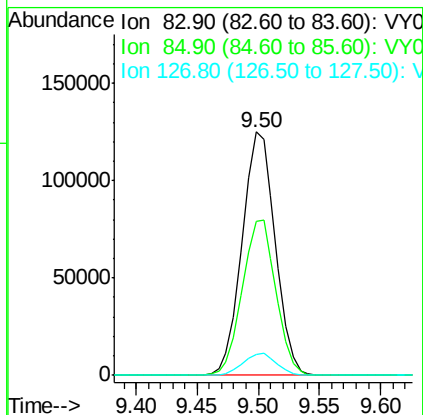
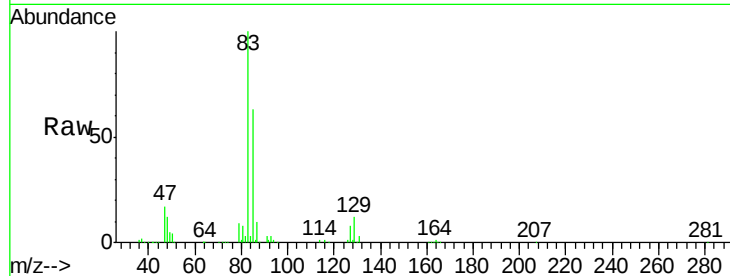
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 234847 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.2  | 51.8  | 77.8   |
| 127       | 8.5   | 7.4   | 11.0   |

Manual Integrations  
APPROVED

MMDadoda  
5/8/2020 1:23:52 PM



#48

Methyl methacrylate

Concen: 51.787 ug/l

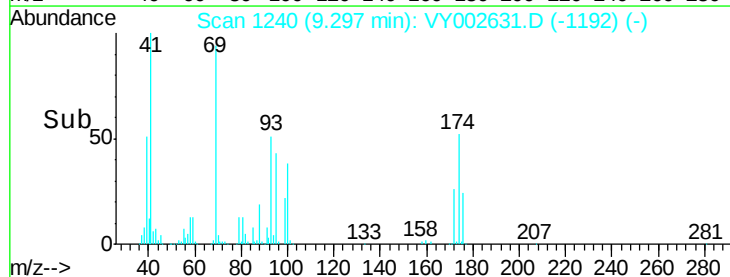
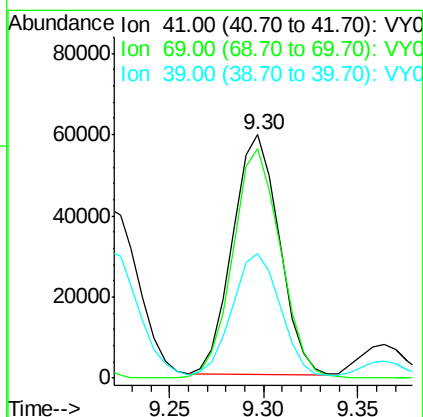
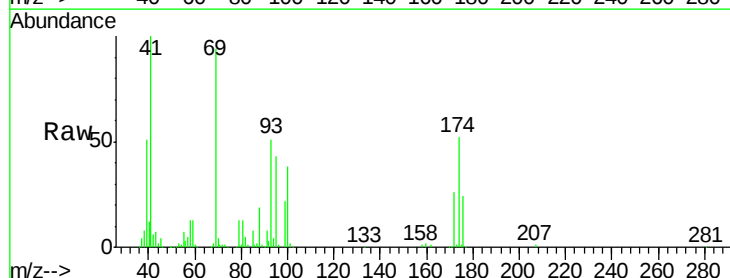
RT: 9.30 min Scan# 1240

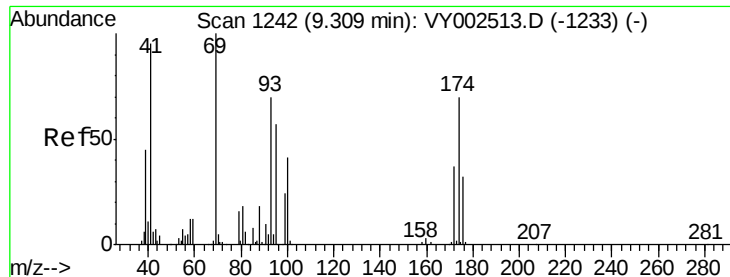
Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 101751 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 97.6  | 76.2  | 114.4  |
| 39        | 51.8  | 42.7  | 64.1   |





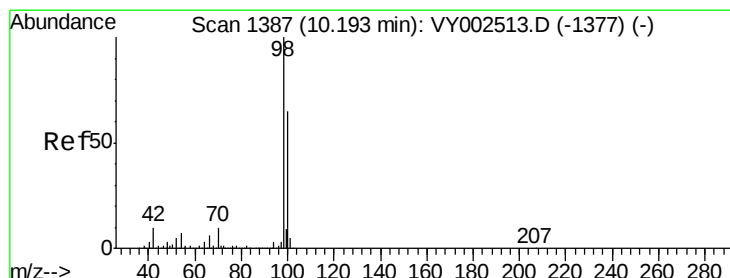
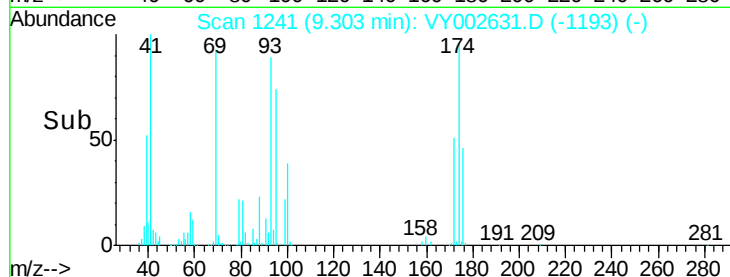
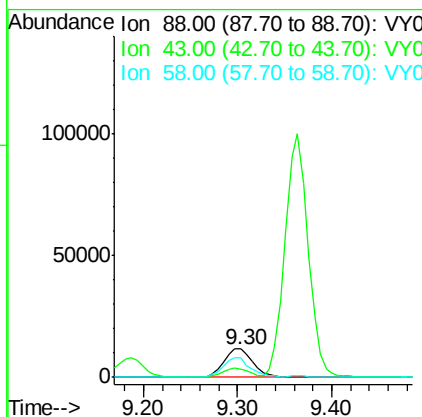
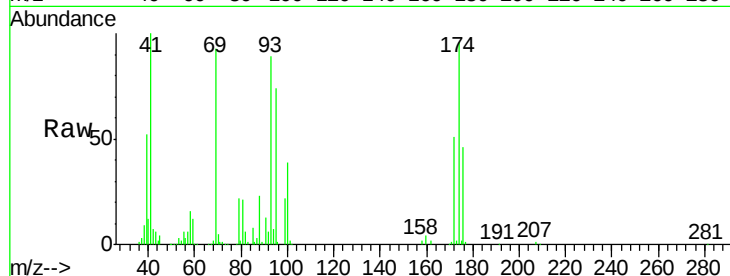
#49  
1,4-Dioxane  
Concen: 1050.761 ug/l  
RT: 9.30 min Scan# 1241  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 88    | Resp  | 25145 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 29.4  | 22.8  | 34.2  |
| 58      | 64.3  | 51.4  | 77.2  |

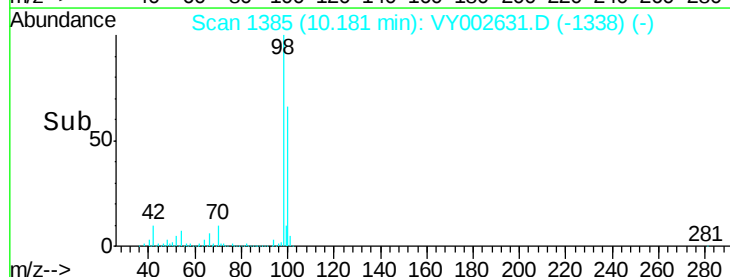
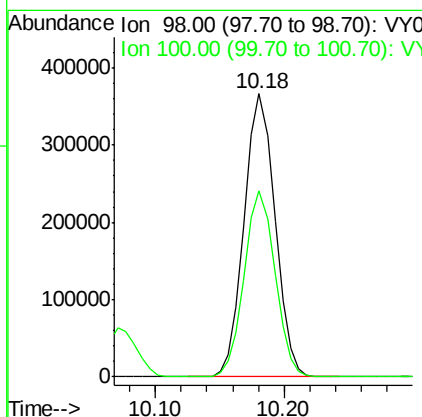
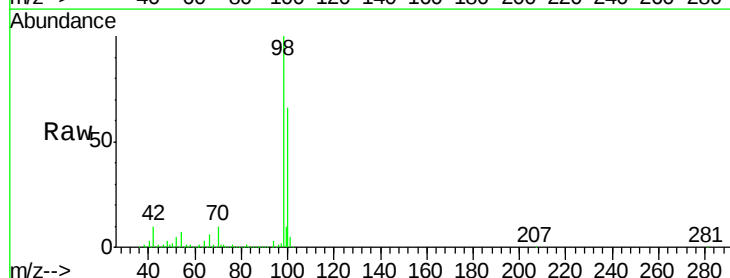
Manual Integrations  
APPROVED

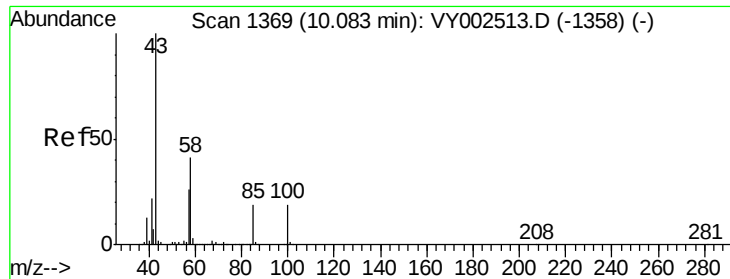
MMDadoda  
5/8/2020 1:23:52 PM



#50  
Toluene-d8  
Concen: 50.701 ug/l  
RT: 10.18 min Scan# 1385  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

| Tgt Ion | 98    | Resp  | 608714 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 65.4  | 52.2  | 78.2   |





#51

4-Methyl-2-Pentanone

Concen: 258.185 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 577754

Ion Ratio Lower Upper

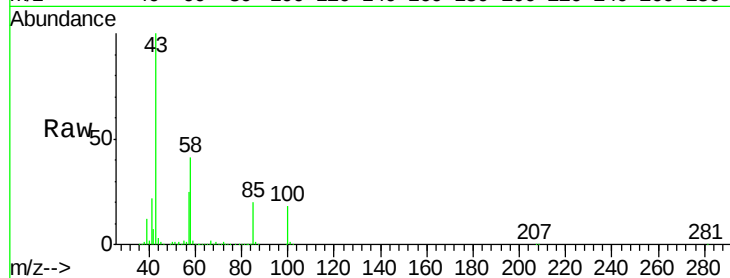
43 100

58 41.8 33.2 49.8

Manual Integrations  
APPROVED

MMDadoda

5/8/2020 1:23:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-1358) (-)

Ion 58.00 (57.70 to 58.70): VY002513.D (-1358) (-)

10.07

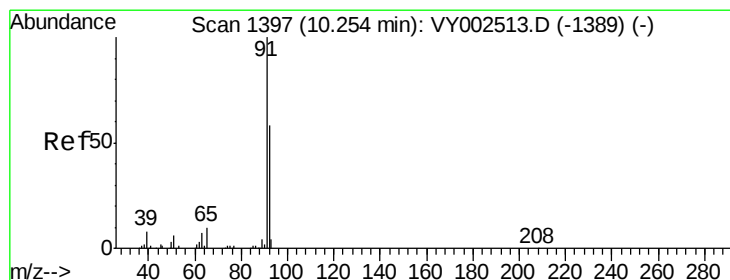
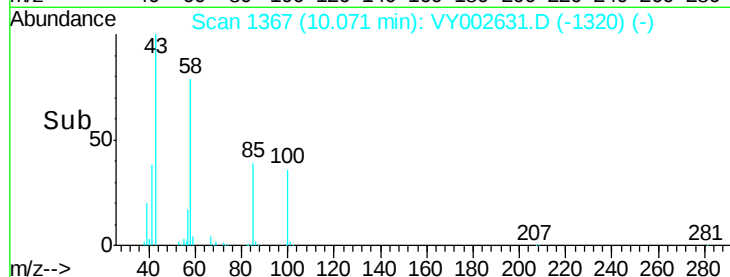
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.447 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY002631.D

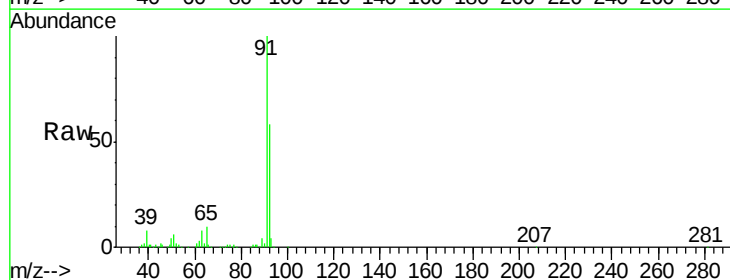
Acq: 07 May 2020 16:19

Tgt Ion: 92 Resp: 455441

Ion Ratio Lower Upper

92 100

91 173.0 139.3 208.9



Abundance Ion 92.00 (91.70 to 92.70): VY002513.D (-1389) (-)

Ion 91.00 (90.70 to 91.70): VY002513.D (-1389) (-)

10.24

500000

400000

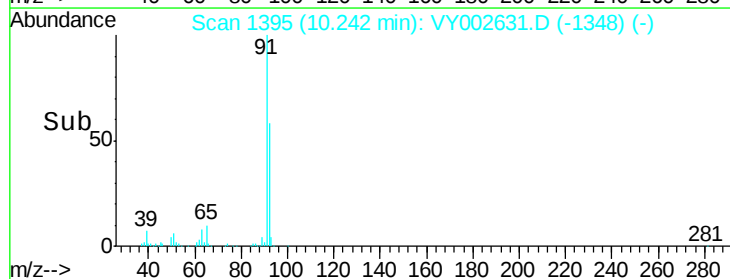
300000

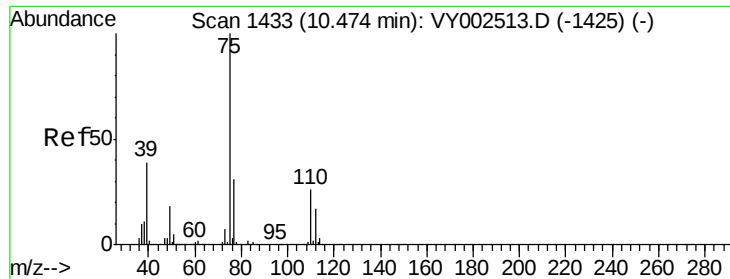
200000

100000

0

Time-->





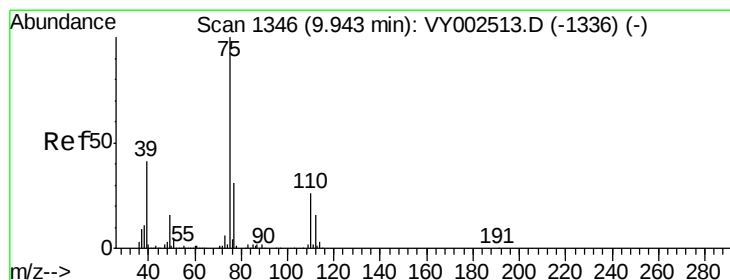
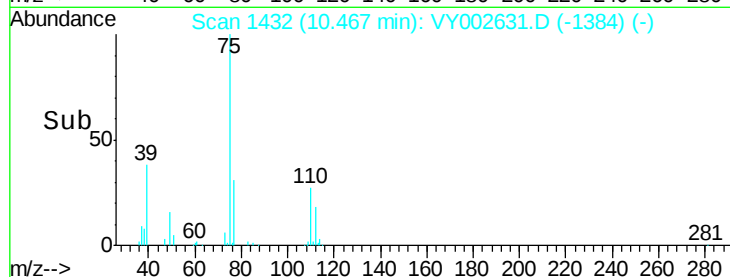
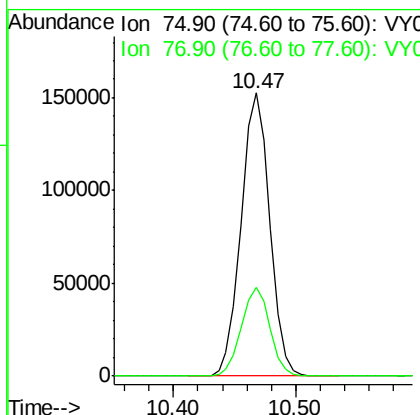
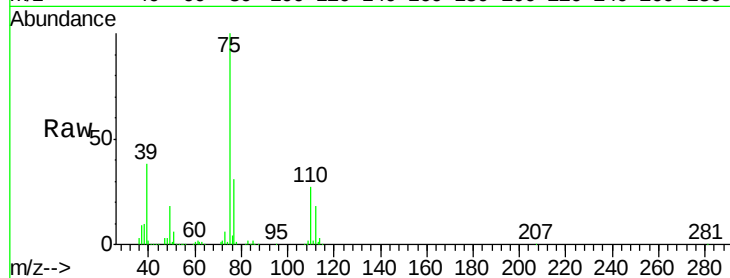
#53  
 t-1,3-Dichloropropene  
 Concen: 53.787 ug/l  
 RT: 10.47 min Scan# 1432  
 Delta R.T. -0.01 min  
 Lab File: VY002631.D  
 Acq: 07 May 2020 16:19

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.3  | 25.0  | 37.6  |

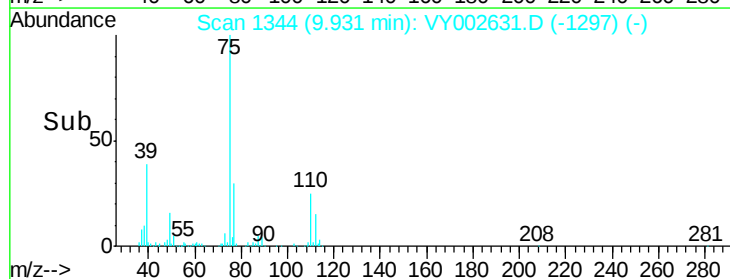
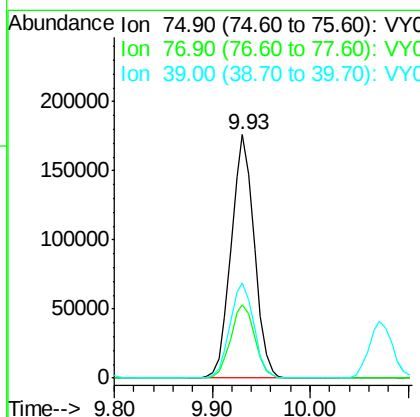
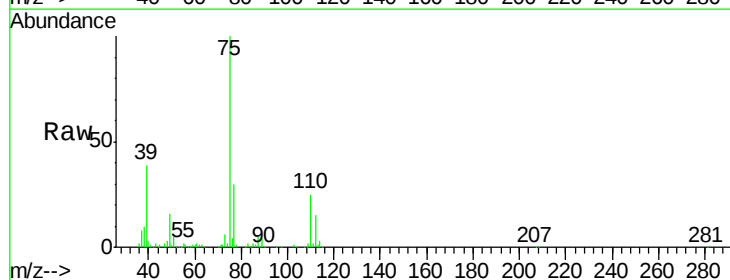
Manual Integrations  
 APPROVED

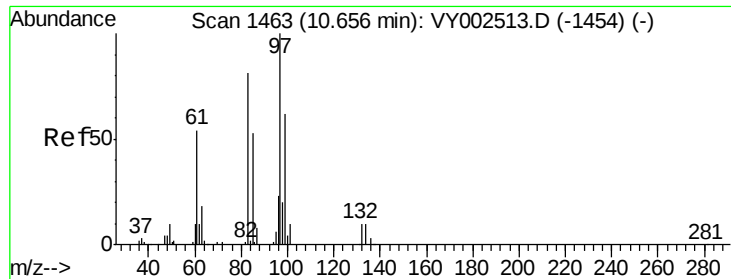
MMDadoda  
 5/8/2020 1:23:52 PM



#54  
 cis-1,3-Dichloropropene  
 Concen: 54.074 ug/l  
 RT: 9.93 min Scan# 1344  
 Delta R.T. -0.01 min  
 Lab File: VY002631.D  
 Acq: 07 May 2020 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.3  | 25.1  | 37.7  |
| 39      | 39.1  | 32.7  | 49.1  |





#55

1,1,2-Trichloroethane

Concen: 52.270 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA\_Y

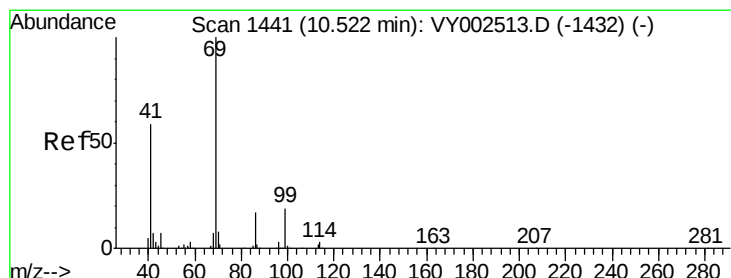
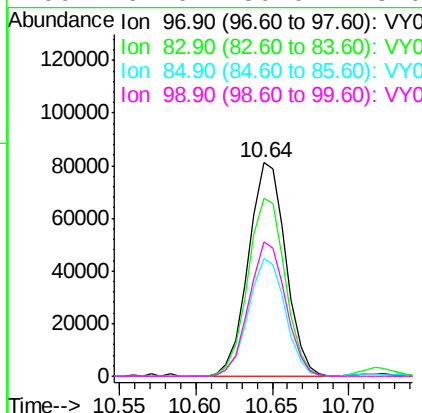
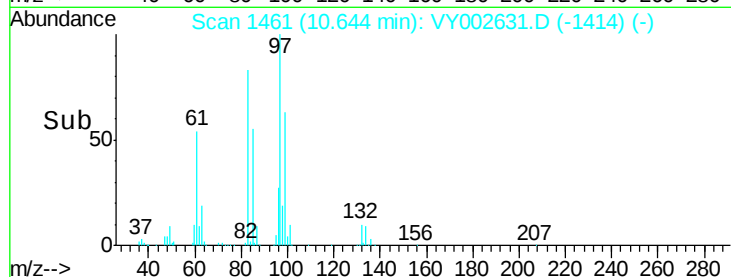
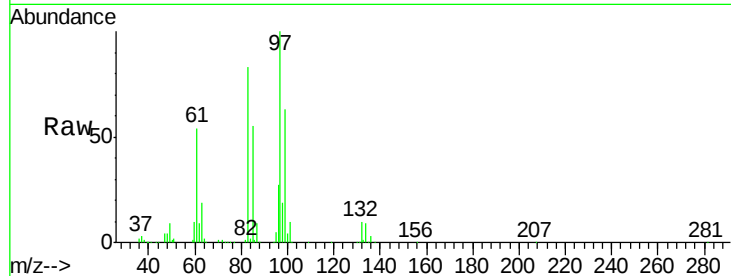
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 137765 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 83.4  | 65.1  | 97.7   |
| 85       | 55.1  | 42.7  | 64.1   |
| 99       | 62.6  | 50.0  | 75.0   |

Manual Integrations  
APPROVED

MMDadoda  
5/8/2020 1:23:52 PM



#56

Ethyl methacrylate

Concen: 53.806 ug/l

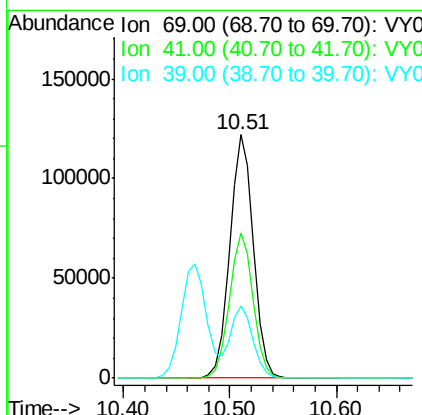
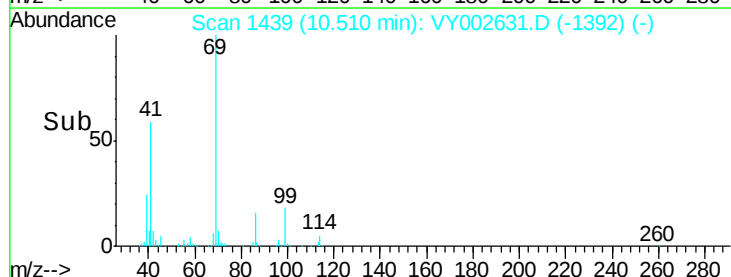
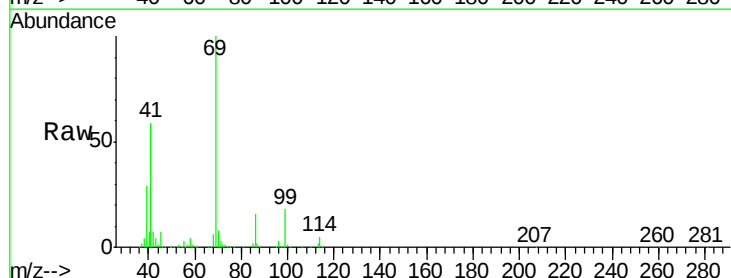
RT: 10.51 min Scan# 1439

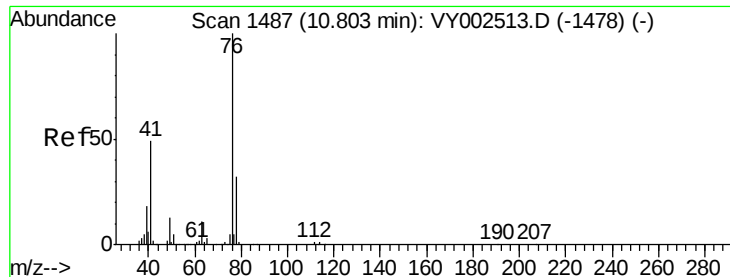
Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 188658 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 59.3  | 48.6  | 73.0   |
| 39       | 27.9  | 25.0  | 37.4   |





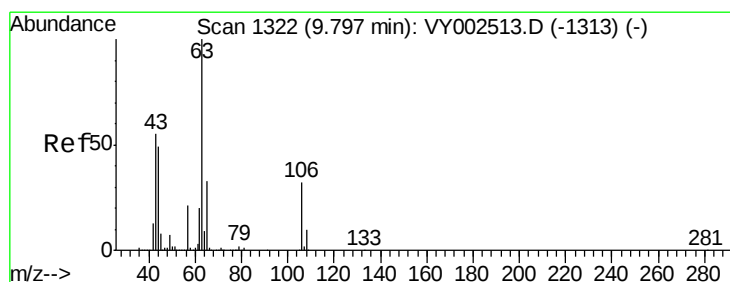
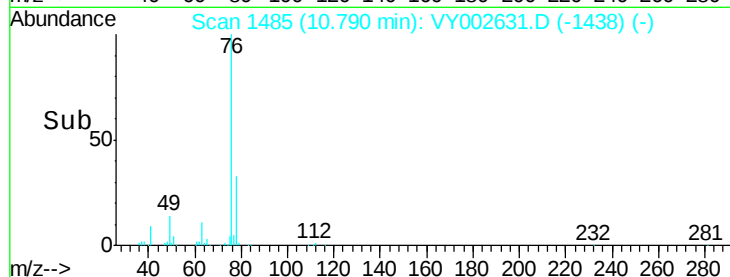
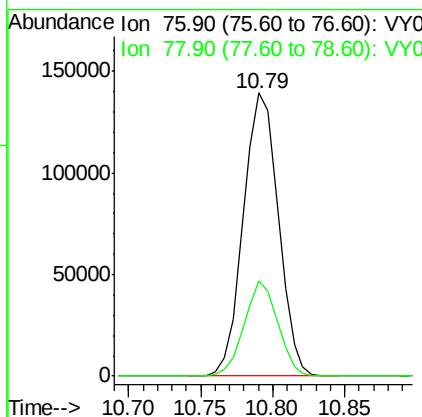
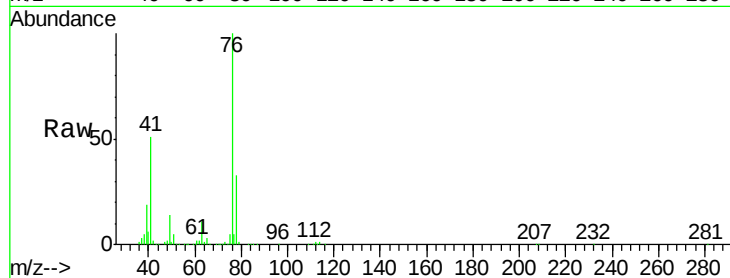
#57  
 1,3-Dichloropropane  
 Concen: 52.486 ug/l  
 RT: 10.79 min Scan# 1485  
 Delta R.T. -0.01 min  
 Lab File: VY002631.D  
 Acq: 07 May 2020 16:19

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.1  | 25.4  | 38.2  |

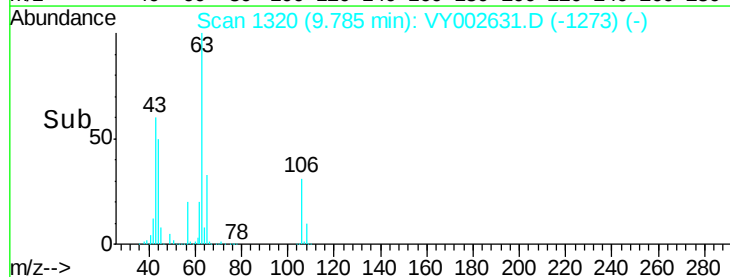
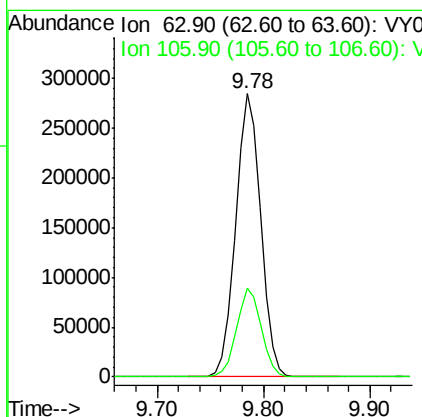
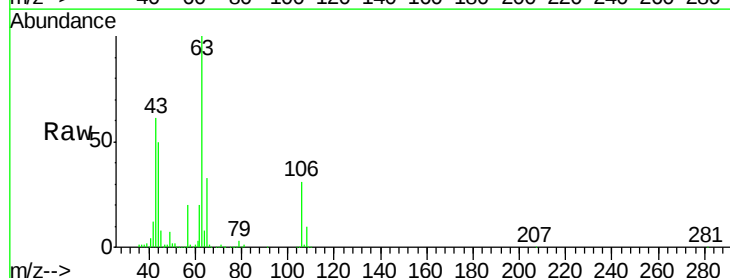
Manual Integrations  
 APPROVED

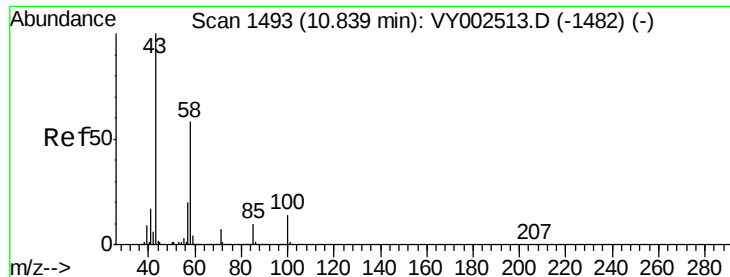
MMDadoda  
 5/8/2020 1:23:52 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 254.213 ug/l  
 RT: 9.78 min Scan# 1320  
 Delta R.T. -0.01 min  
 Lab File: VY002631.D  
 Acq: 07 May 2020 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 30.9  | 25.2  | 37.8  |





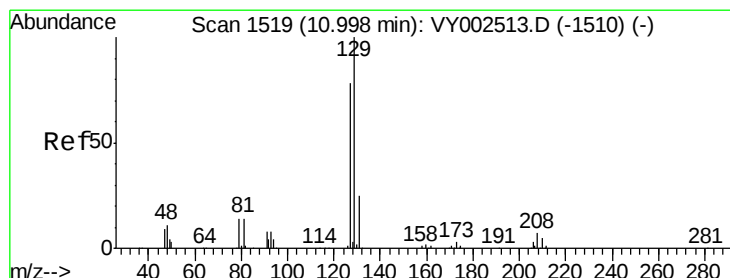
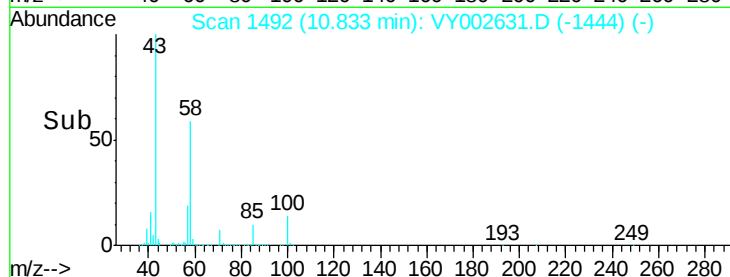
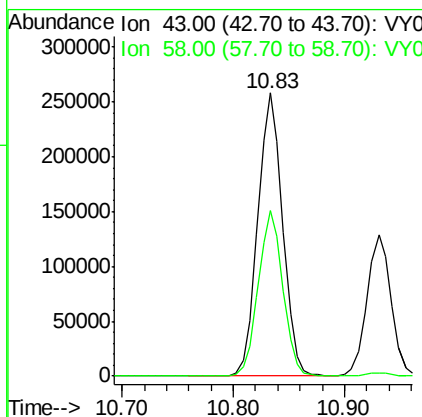
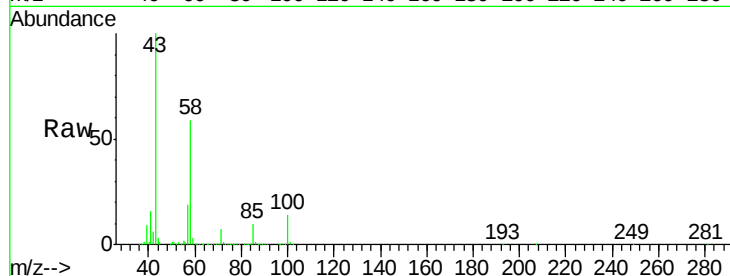
#59  
2-Hexanone  
Concen: 261.514 ug/l  
RT: 10.83 min Scan# 1492  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 57.7  | 29.1  | 87.3  |

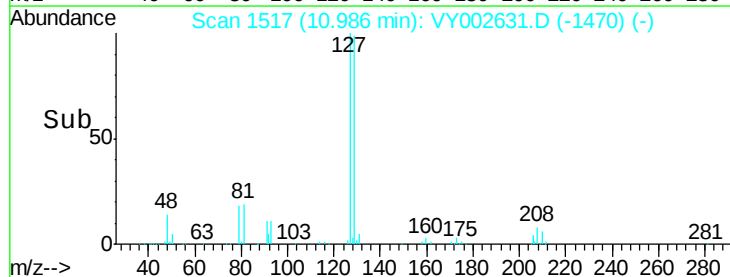
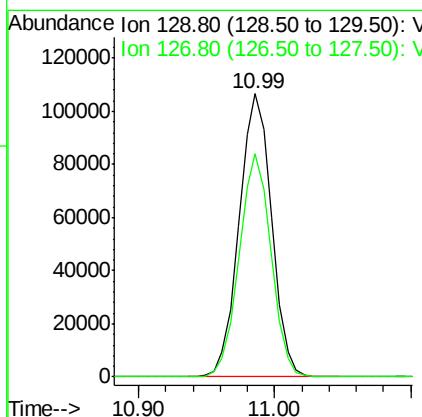
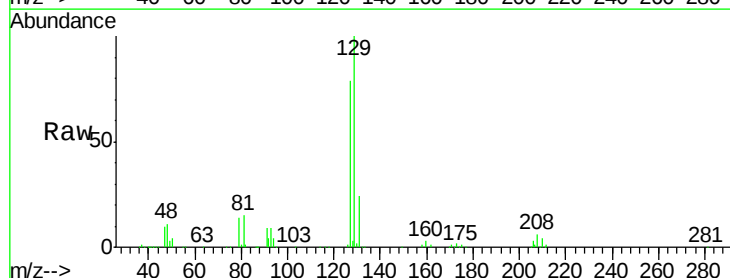
Manual Integrations  
APPROVED

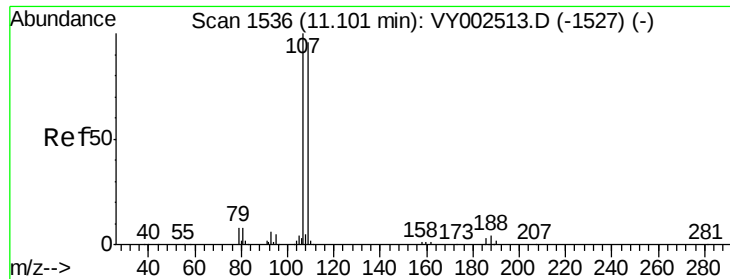
MMDadoda  
5/8/2020 1:23:52 PM



#60  
Dibromochloromethane  
Concen: 52.935 ug/l  
RT: 10.99 min Scan# 1517  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 77.3  | 39.0  | 117.0 |





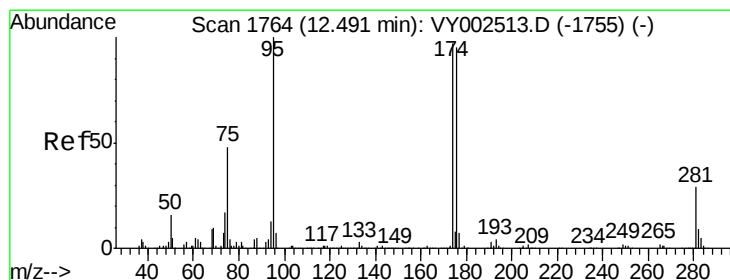
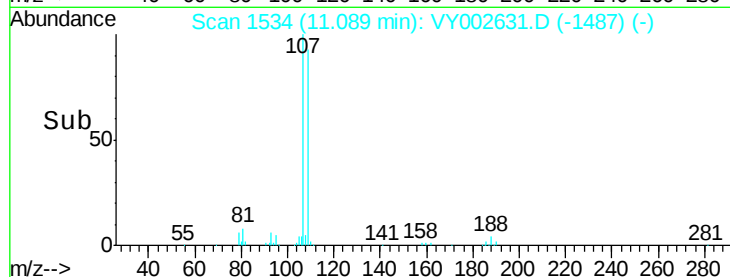
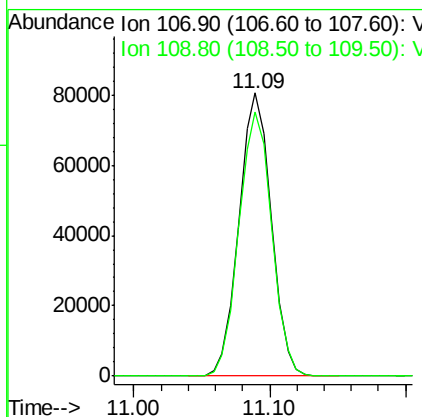
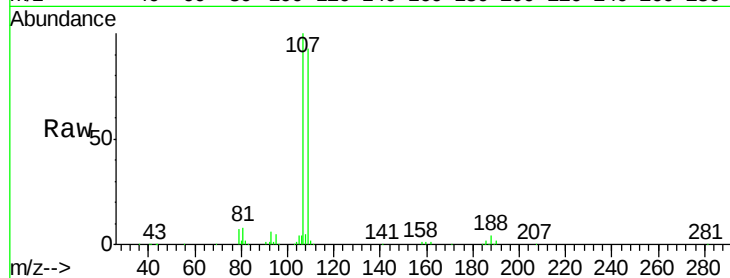
#61  
 1,2-Dibromoethane  
 Concen: 51.147 ug/l  
 RT: 11.09 min Scan# 1534  
 Delta R.T. -0.01 min  
 Lab File: VY002631.D  
 Acq: 07 May 2020 16:19

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 95.0  | 75.8  | 113.8 |

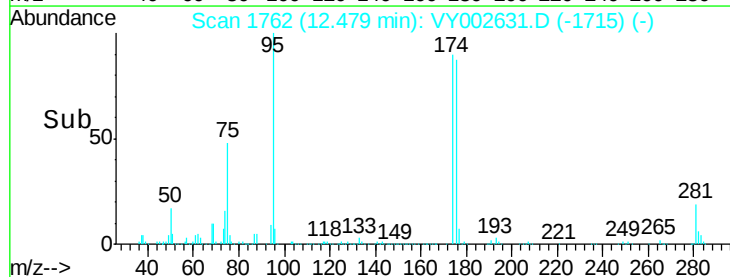
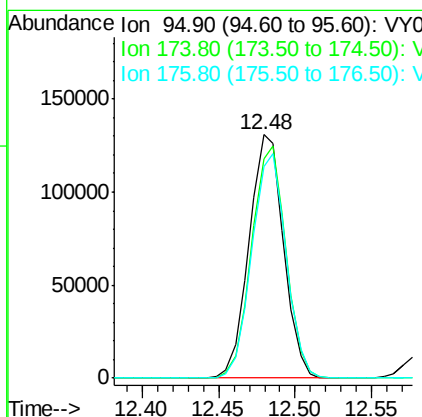
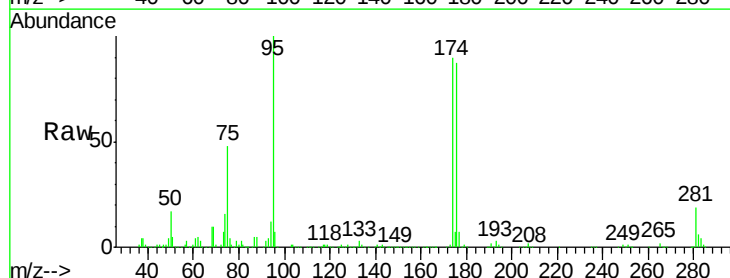
Manual Integrations  
 APPROVED

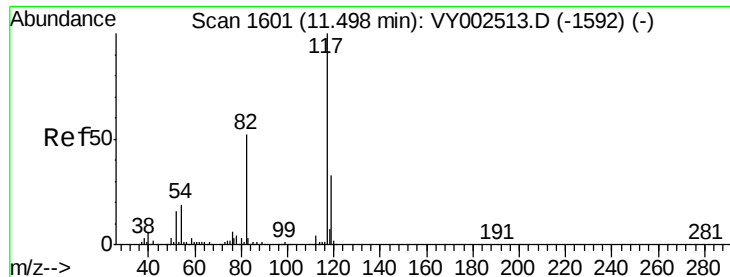
MMDadoda  
 5/8/2020 1:23:52 PM



#62  
 4-Bromofluorobenzene  
 Concen: 50.314 ug/l  
 RT: 12.48 min Scan# 1762  
 Delta R.T. -0.01 min  
 Lab File: VY002631.D  
 Acq: 07 May 2020 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 95.0  | 0.0   | 188.8 |
| 176     | 92.0  | 0.0   | 183.2 |





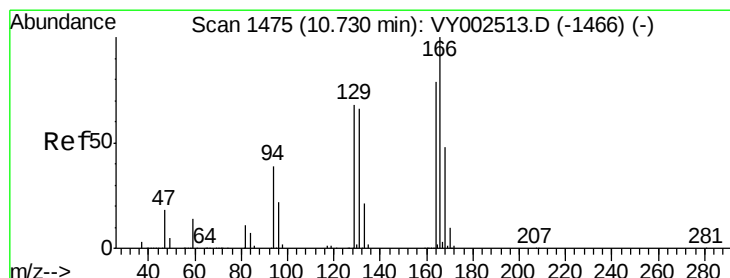
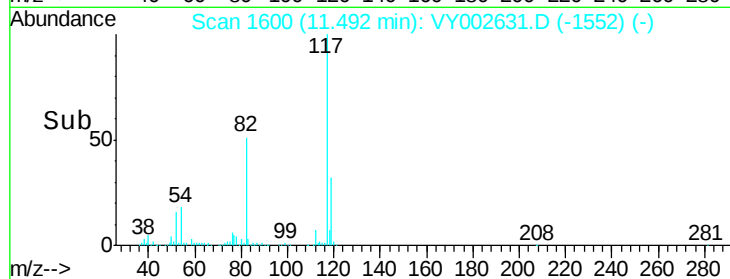
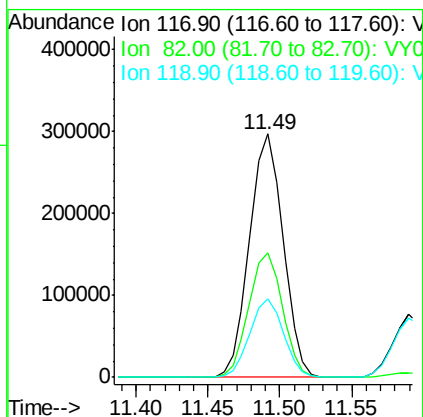
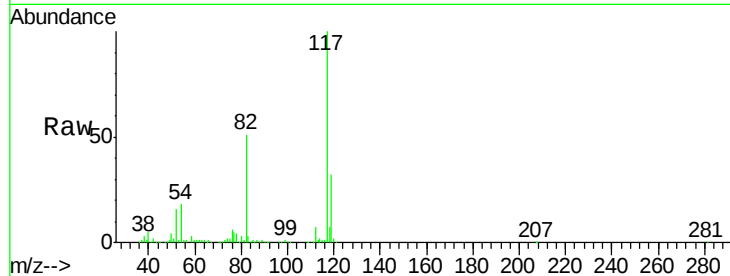
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.1  | 41.3  | 61.9  |
| 119     | 32.4  | 26.0  | 39.0  |

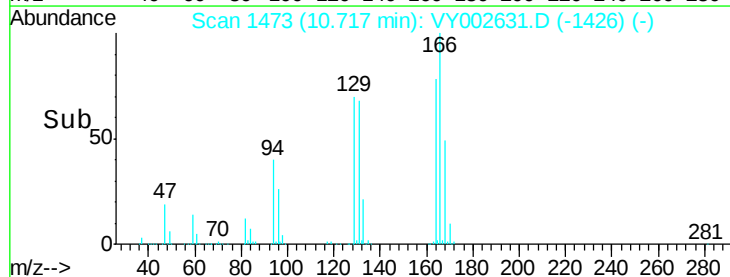
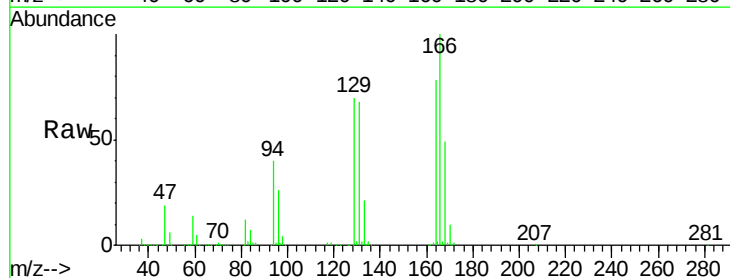
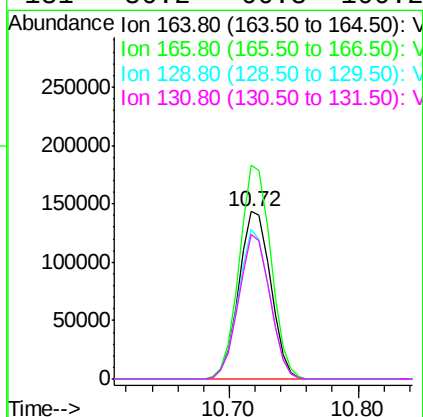
Manual Integrations  
APPROVED

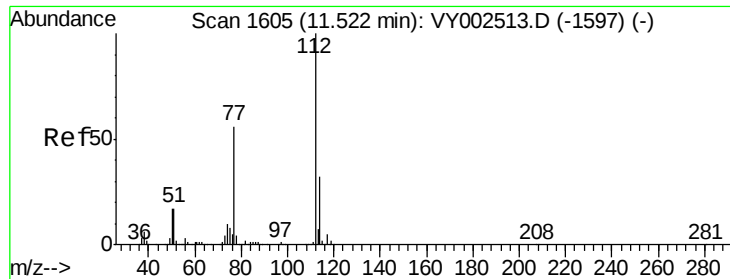
MMDadoda  
5/8/2020 1:23:52 PM



#64  
Tetrachloroethene  
Concen: 57.507 ug/l  
RT: 10.72 min Scan# 1473  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.6 | 100.7 | 151.1 |
| 129     | 89.4  | 68.3  | 102.5 |
| 131     | 86.2  | 66.8  | 100.2 |





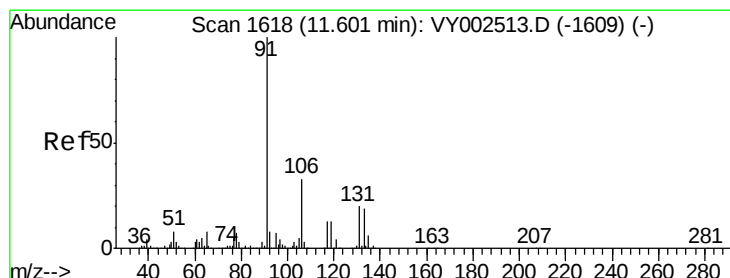
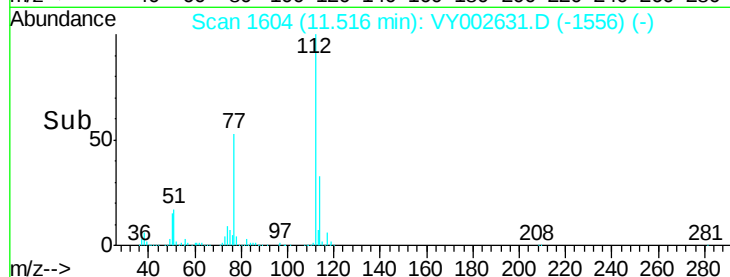
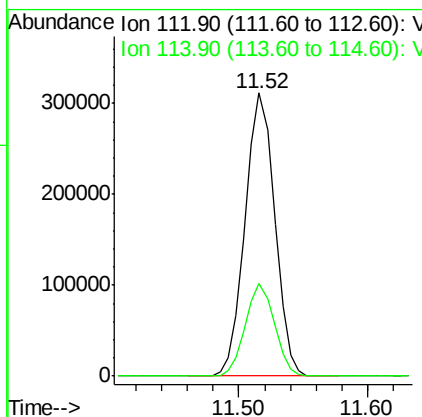
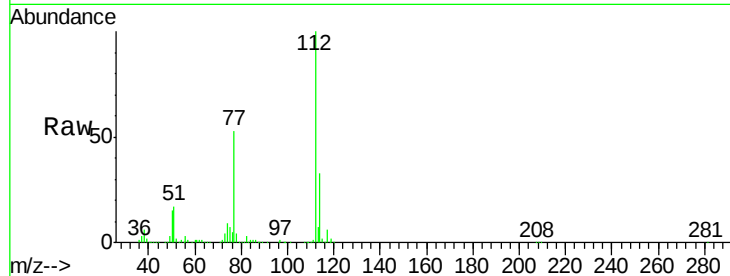
#65  
Chlorobenzene  
Concen: 54.191 ug/l  
RT: 11.52 min Scan# 1604  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.8  | 25.8  | 38.6  |

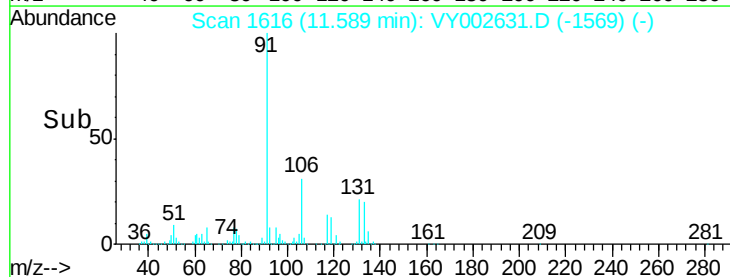
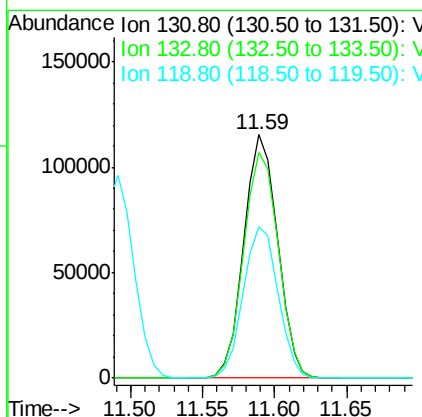
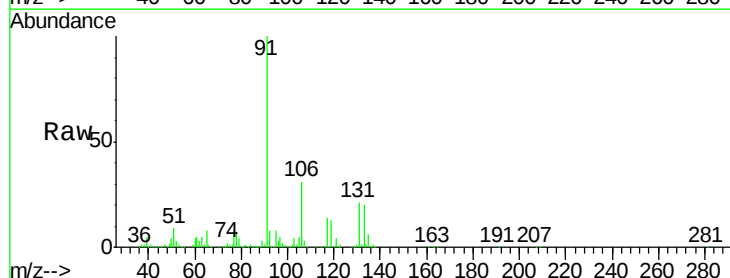
Manual Integrations  
APPROVED

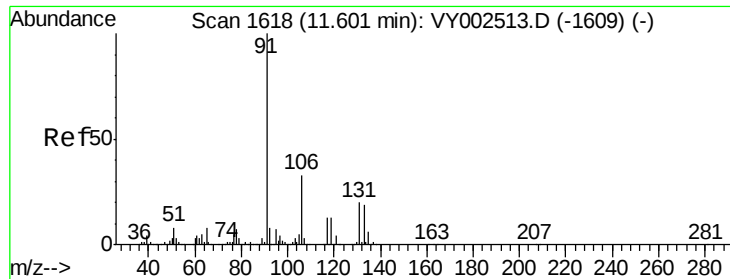
MMDadoda  
5/8/2020 1:23:52 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 55.089 ug/l  
RT: 11.59 min Scan# 1616  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 95.4  | 48.1  | 144.4 |
| 119     | 64.1  | 31.6  | 95.0  |





#67

Ethyl Benzene

Concen: 55.307 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 888207

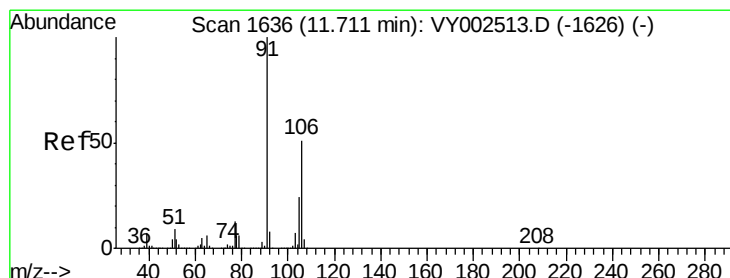
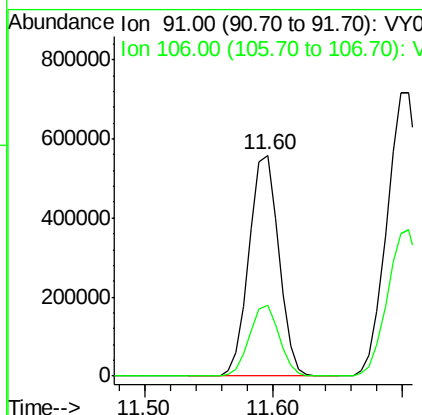
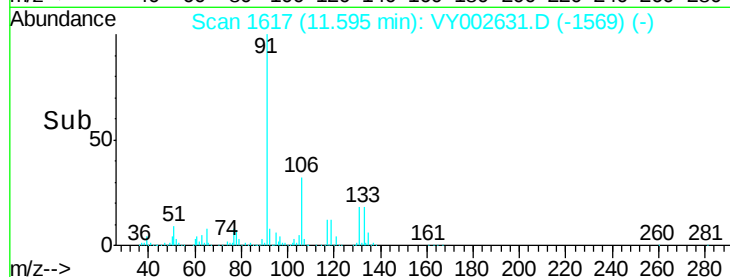
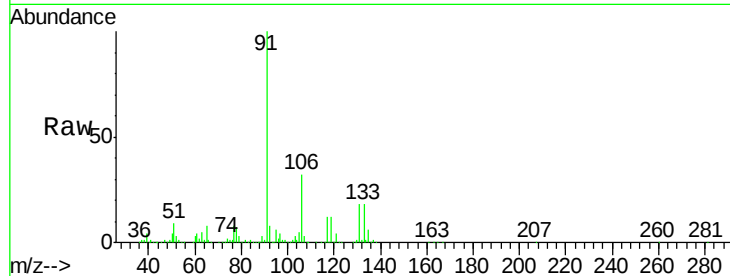
Ion Ratio Lower Upper

91 100

106 32.3 26.1 39.1

Manual Integrations  
APPROVED

MMDadoda  
5/8/2020 1:23:52 PM



#68

m/p-Xylenes

Concen: 110.901 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY002631.D

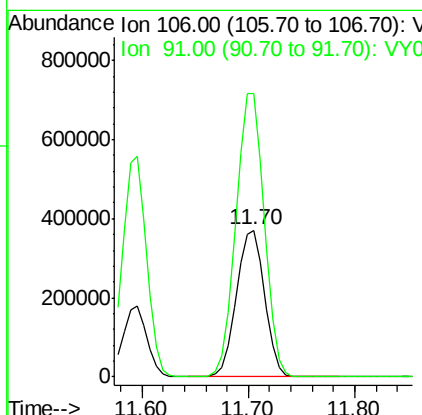
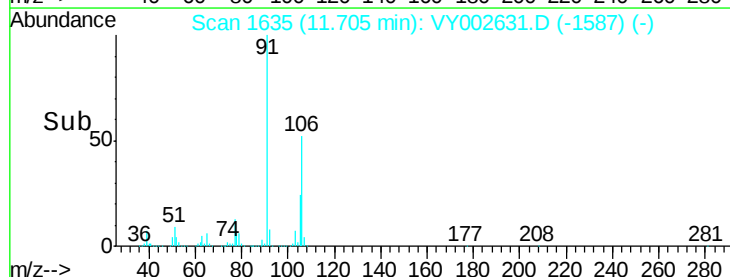
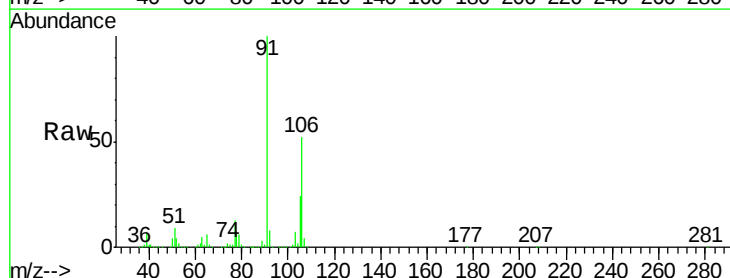
Acq: 07 May 2020 16:19

Tgt Ion: 106 Resp: 689123

Ion Ratio Lower Upper

106 100

91 193.9 155.2 232.8





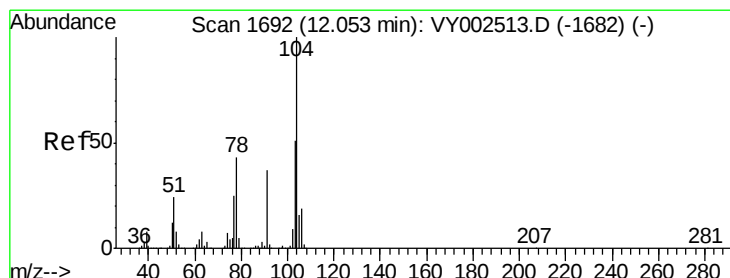
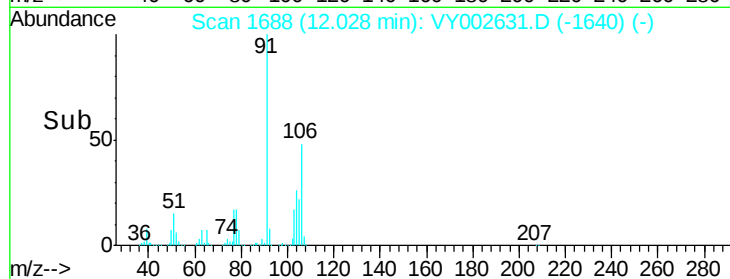
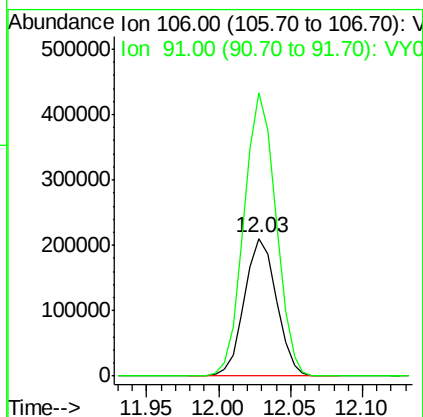
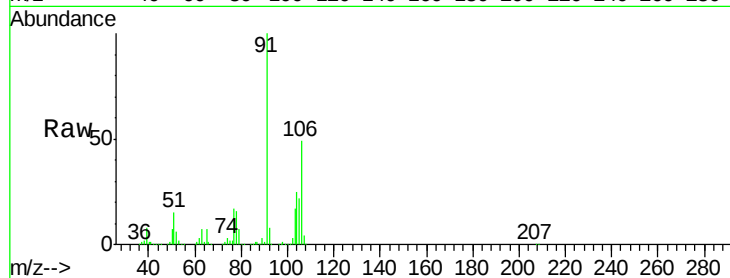
#69  
o-Xylene  
Concen: 55.686 ug/l  
RT: 12.03 min Scan# 1688  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 106     | 106 | 100   |       |       |
| 91      | 91  | 205.3 | 103.8 | 311.3 |

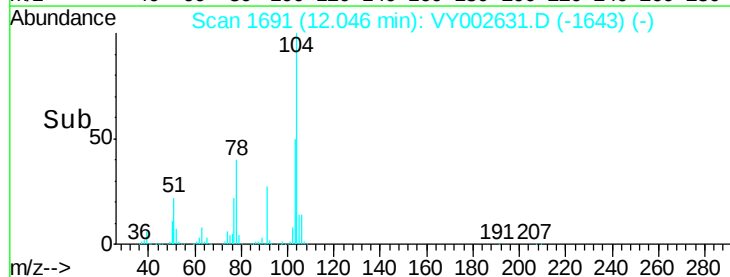
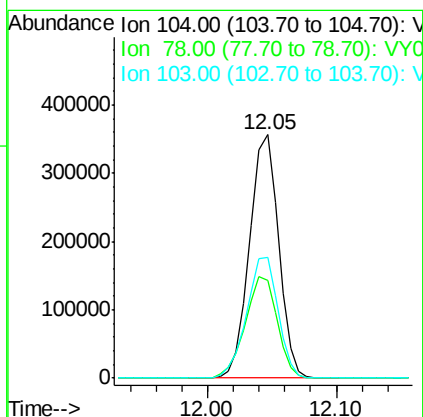
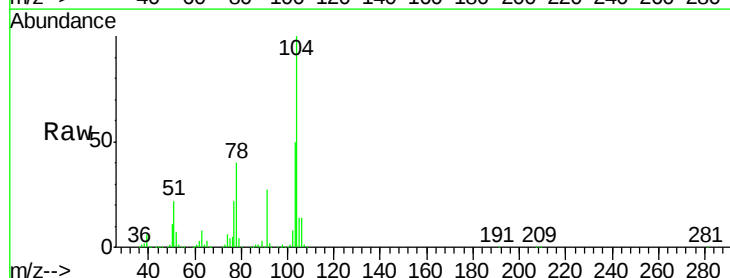
Manual Integrations  
APPROVED

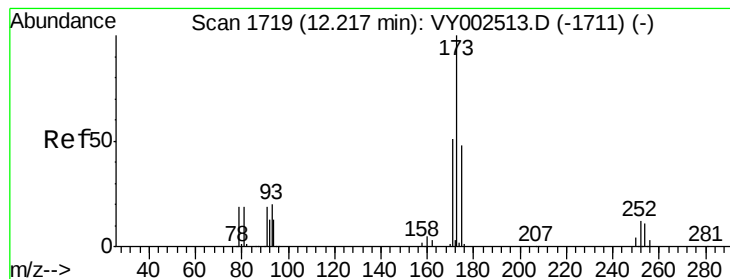
MMDadoda  
5/8/2020 1:23:52 PM



#70  
Styrene  
Concen: 55.652 ug/l  
RT: 12.05 min Scan# 1691  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 104     | 104 | 100   |       |       |
| 78      | 78  | 46.0  | 37.4  | 56.0  |
| 103     | 103 | 54.2  | 43.9  | 65.9  |





#71

Bromoform

Concen: 53.097 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA\_Y

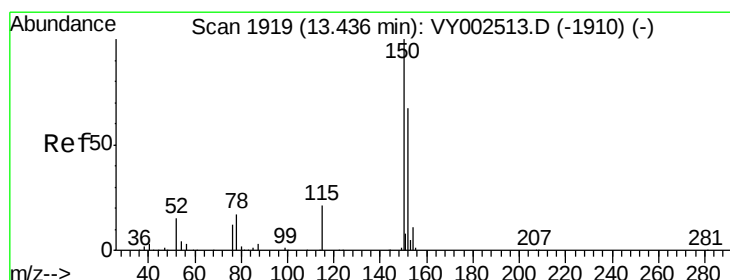
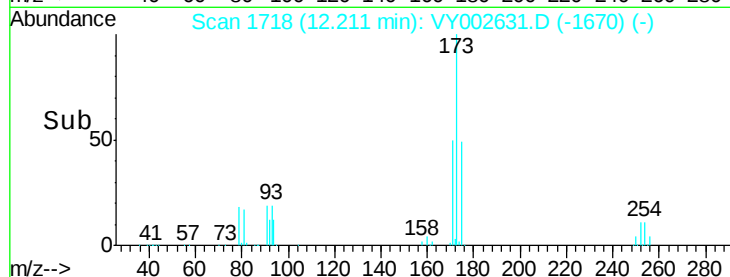
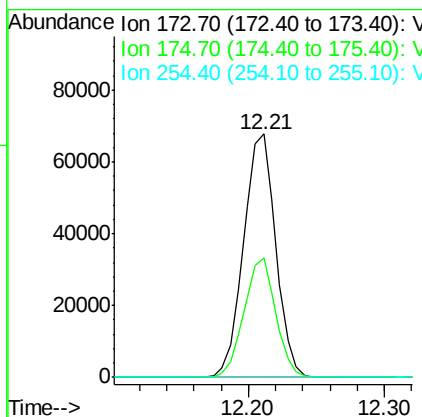
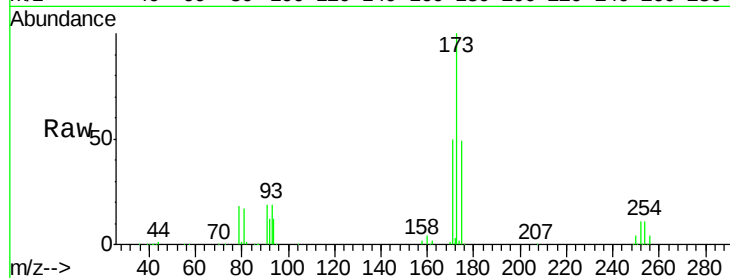
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 173   | Resp: | 111844 |
| Ion Ratio | Lower | Upper |        |
| 173       | 100   |       |        |
| 175       | 48.3  | 24.3  | 72.8   |
| 254       | 0.2   | 0.2   | 0.2    |

Manual Integrations  
APPROVED

MMDadoda  
5/8/2020 1:23:52 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

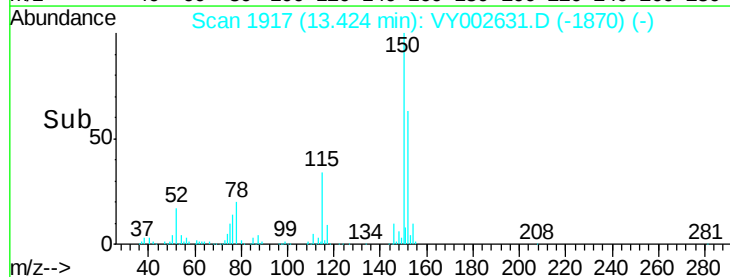
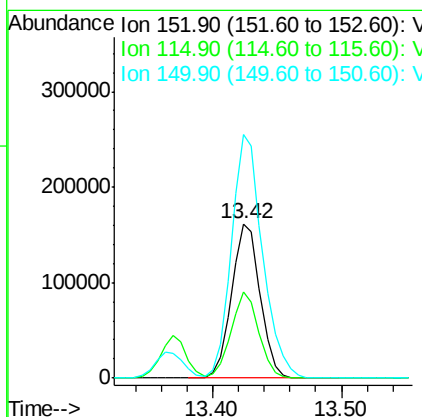
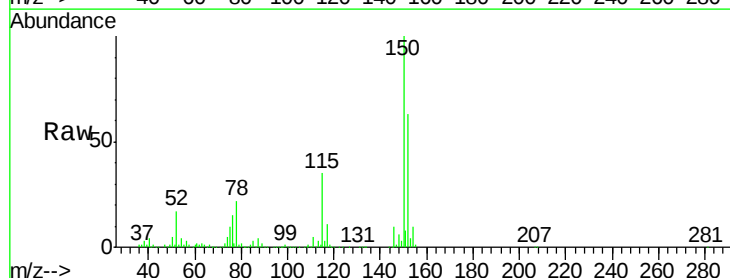
RT: 13.42 min Scan# 1917

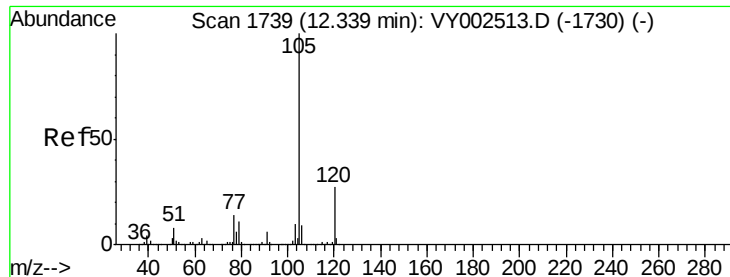
Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 248270 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 54.4  | 27.5  | 82.4   |
| 150       | 172.6 | 0.0   | 346.4  |





#73

Isopropylbenzene

Concen: 55.042 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 885643

Ion Ratio Lower Upper

105 100

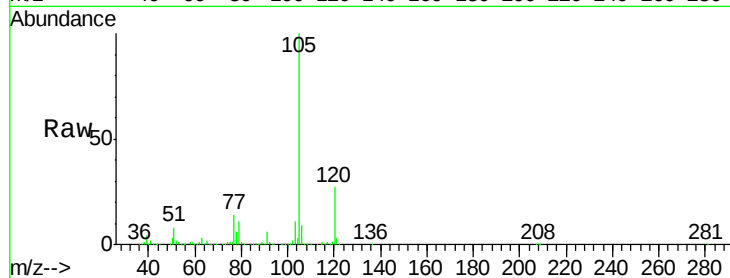
120 27.4 13.8 41.3

Manual Integrations

APPROVED

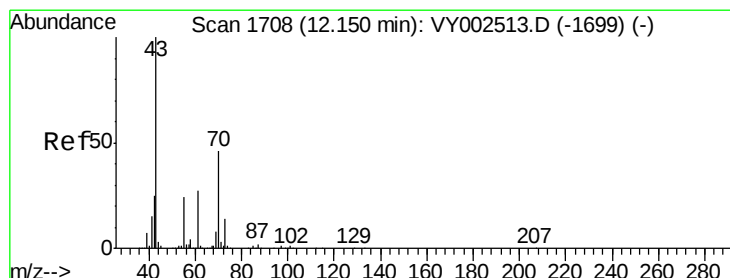
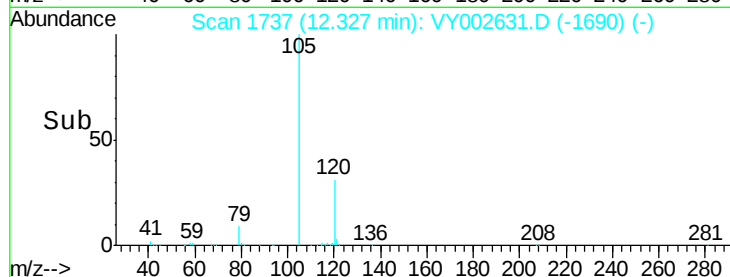
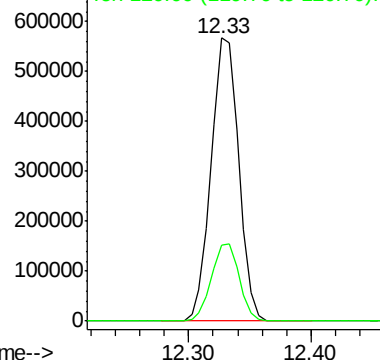
MMDadoda

5/8/2020 1:23:52 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.429 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Tgt Ion: 43 Resp: 206800

Ion Ratio Lower Upper

43 100

70 46.6 36.7 55.1

55 24.4 19.2 28.8

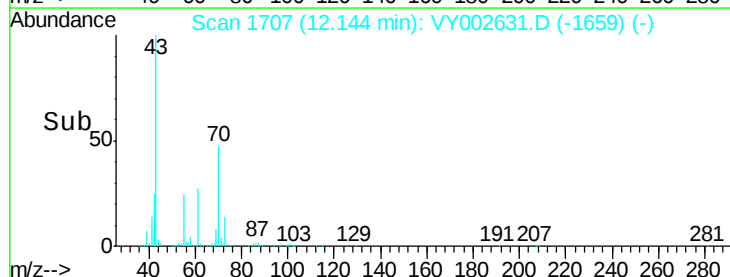
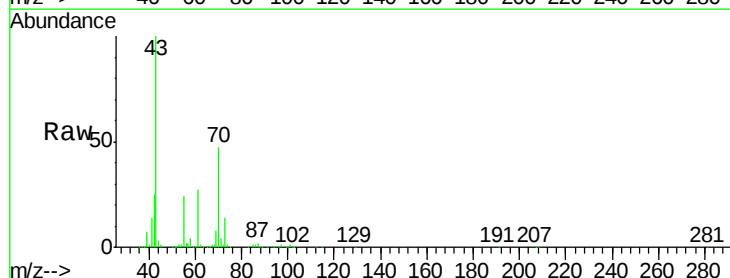
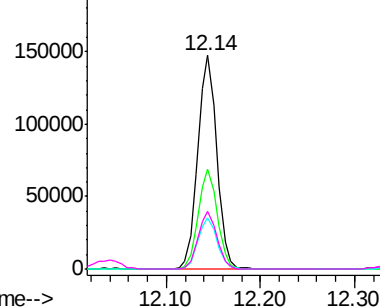
61 26.7 21.1 31.7

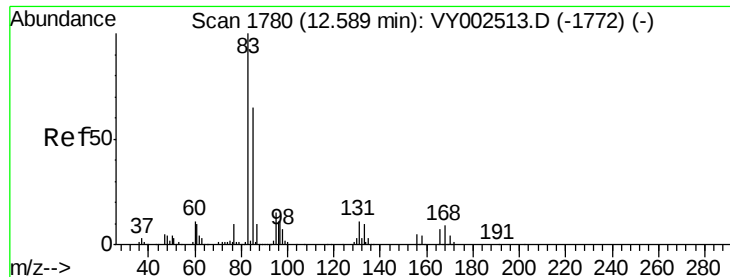
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 49.279 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA\_Y

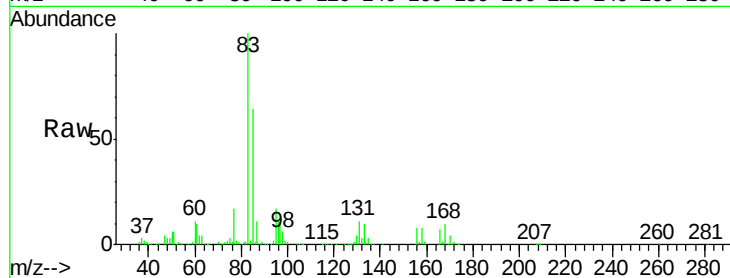
ClientSampleId :

VSTDCCC050EC

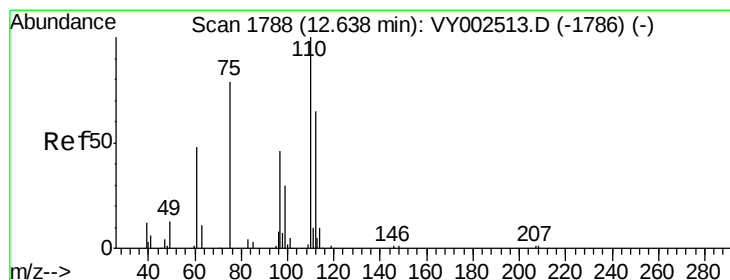
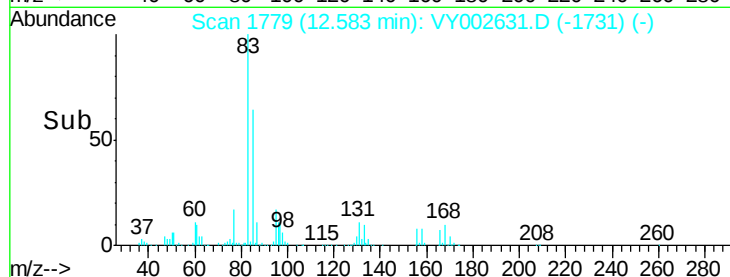
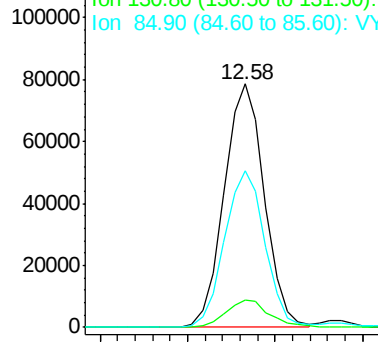
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 126101 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 12.0  | 5.9   | 17.8   |
| 85        | 64.3  | 31.9  | 95.9   |

Manual Integrations  
APPROVED

MMDadoda  
5/8/2020 1:23:52 PM



Abundance Ion 82.90 (82.60 to 83.60): VY002631.D (-1772) (-)



#76

1,2,3-Trichloropropane

Concen: 49.148 ug/l m

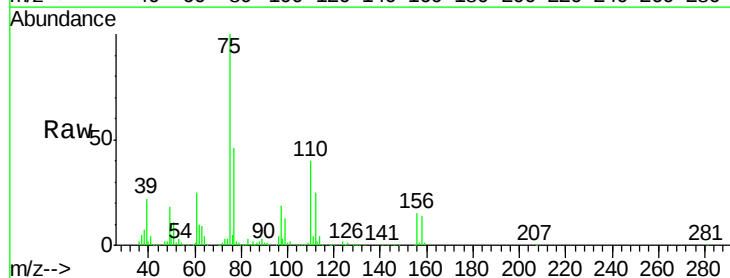
RT: 12.63 min Scan# 1787

Delta R.T. -0.01 min

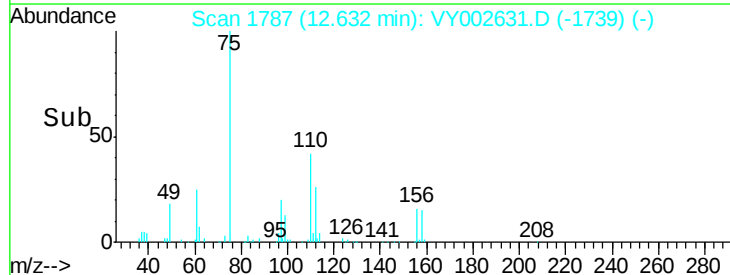
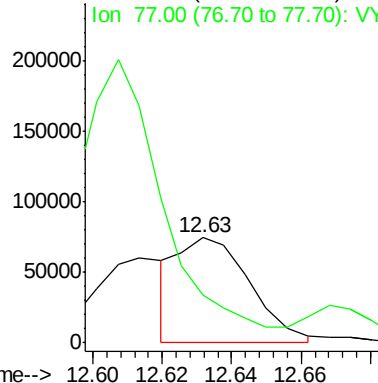
Lab File: VY002631.D

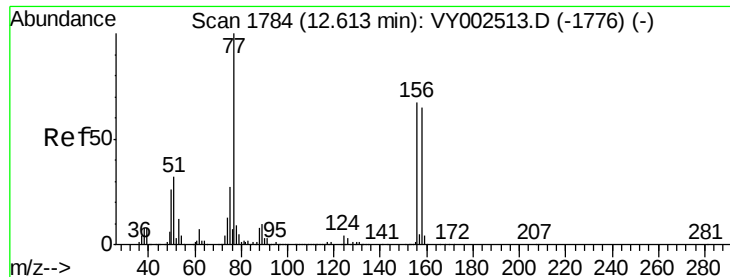
Acq: 07 May 2020 16:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 108436 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |



Abundance Ion 74.90 (74.60 to 75.60): VY002631.D (-1786) (-)





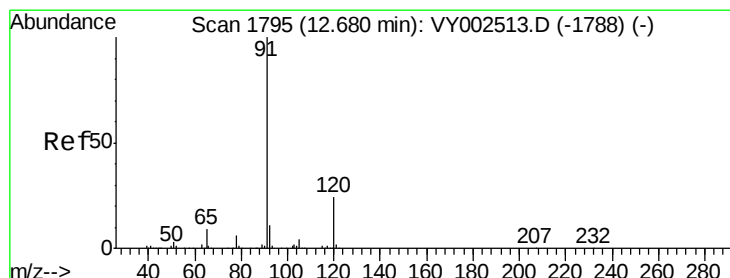
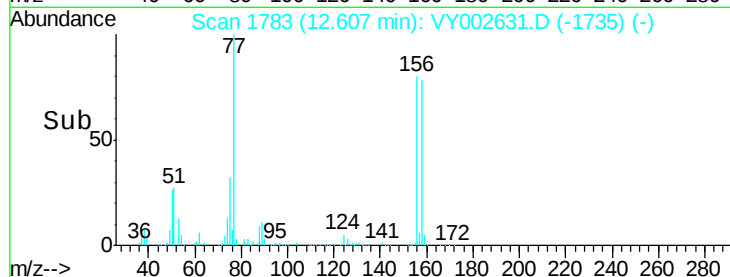
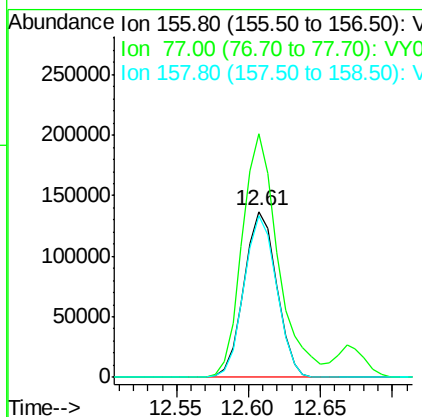
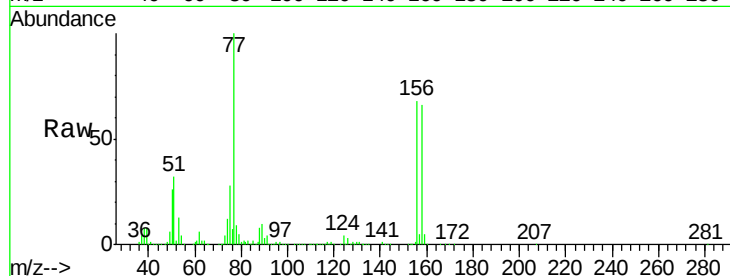
#77  
Bromobenzene  
Concen: 53.349 ug/l  
RT: 12.61 min Scan# 1783  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 163.0 | 82.0  | 245.8 |
| 158     | 97.3  | 48.5  | 145.6 |

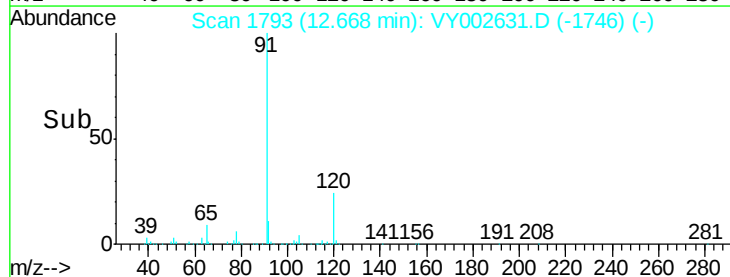
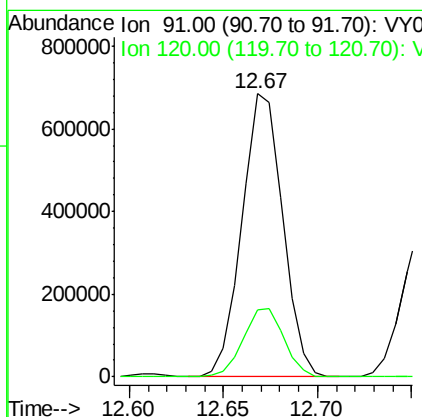
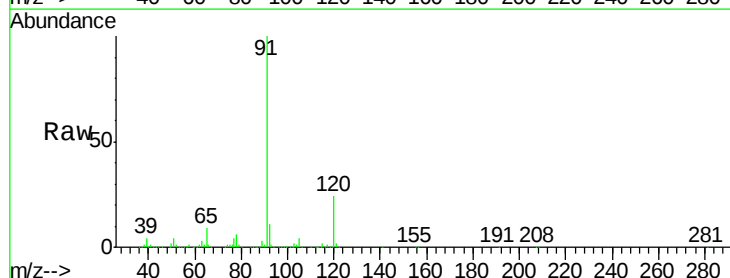
Manual Integrations  
APPROVED

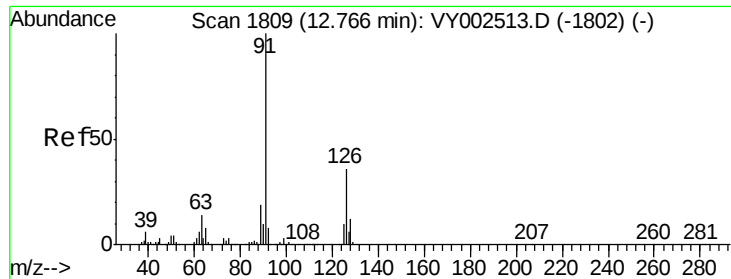
MMDadoda  
5/8/2020 1:23:52 PM



#78  
n-propylbenzene  
Concen: 55.074 ug/l  
RT: 12.67 min Scan# 1793  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 24.2  | 12.2  | 36.4  |





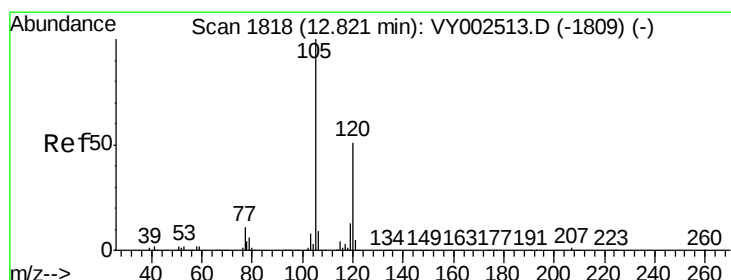
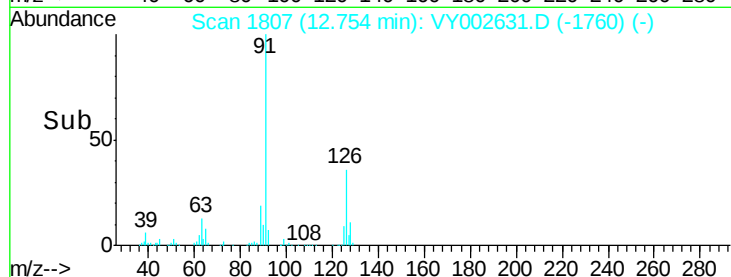
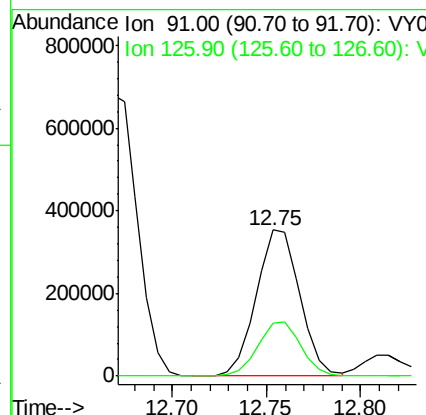
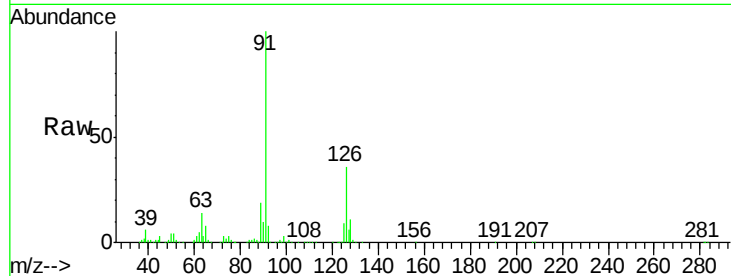
#79  
2-Chlorotoluene  
Concen: 54.761 ug/l  
RT: 12.75 min Scan# 1807  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 566404  
Ion Ratio Lower Upper  
91 100  
126 36.5 18.4 55.2

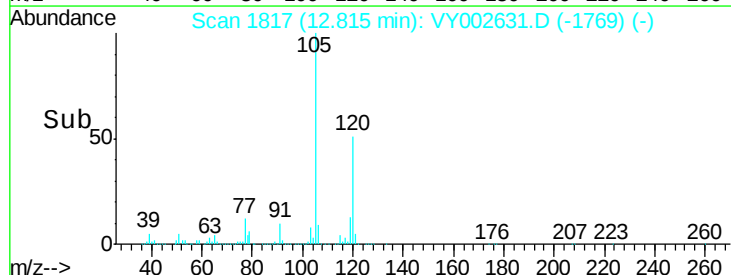
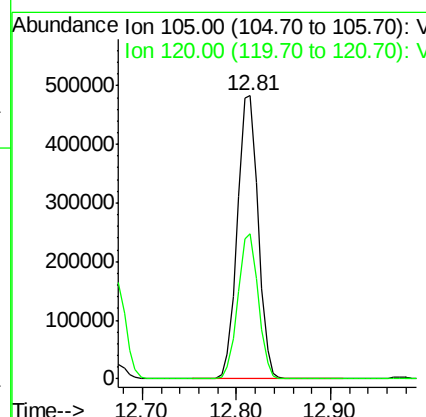
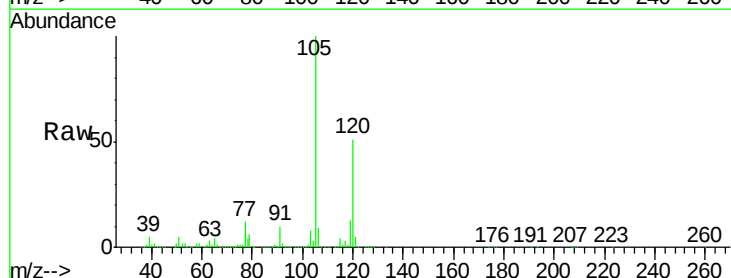
Manual Integrations  
APPROVED

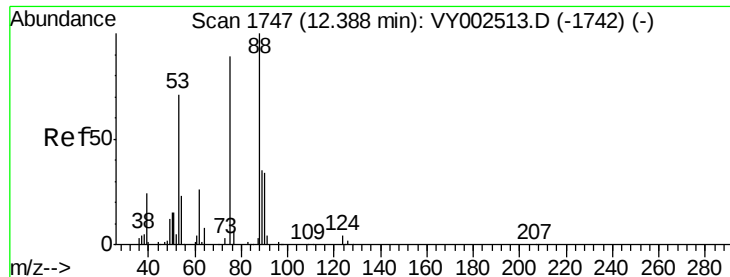
MMDadoda  
5/8/2020 1:23:52 PM



#80  
1,3,5-Trimethylbenzene  
Concen: 55.261 ug/l  
RT: 12.81 min Scan# 1817  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

Tgt Ion: 105 Resp: 737053  
Ion Ratio Lower Upper  
105 100  
120 50.5 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 51.483 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA\_Y

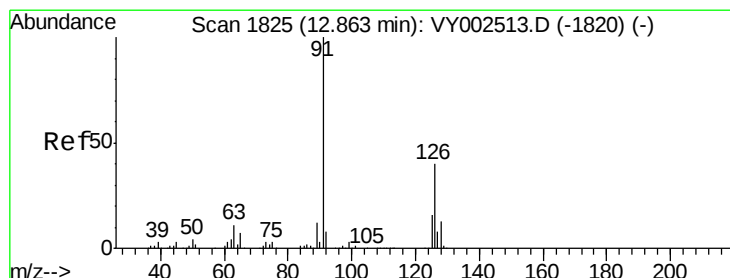
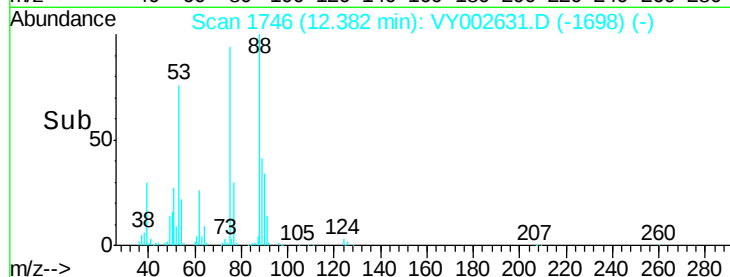
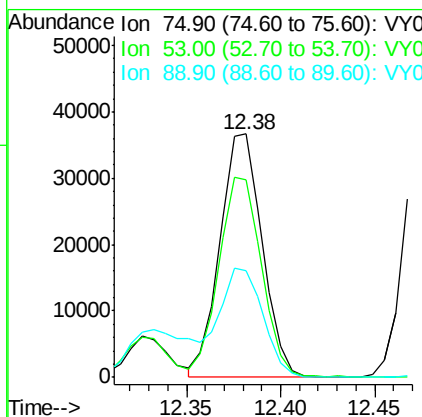
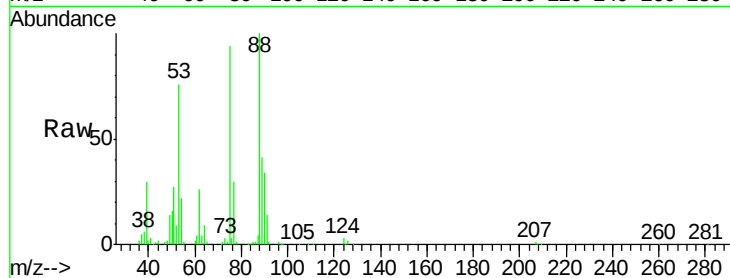
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 56646 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 83.9  | 67.4  | 101.0 |
| 89       | 46.7  | 37.4  | 56.0  |

Manual Integrations  
APPROVED

MMDadoda  
5/8/2020 1:23:52 PM



#82

4-Chlorotoluene

Concen: 54.085 ug/l

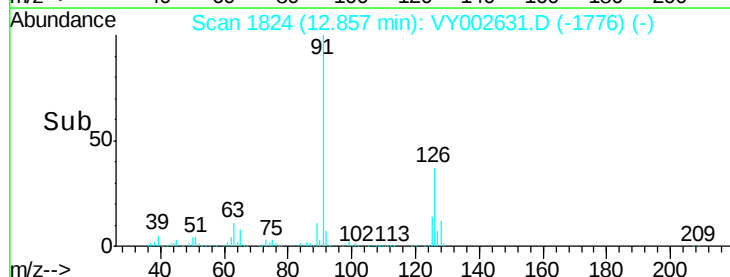
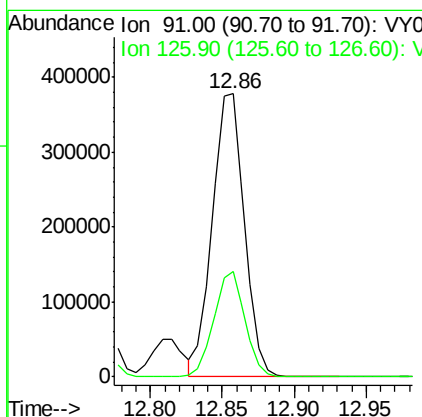
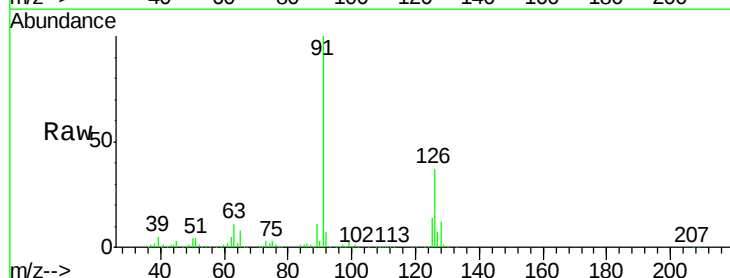
RT: 12.86 min Scan# 1824

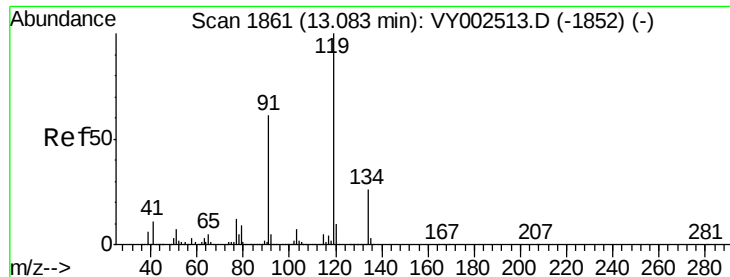
Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 587623 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 36.2  | 18.5  | 55.5   |





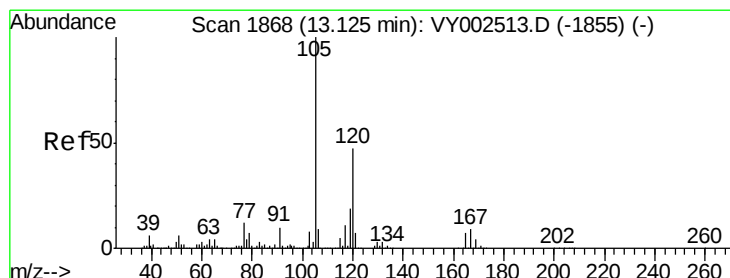
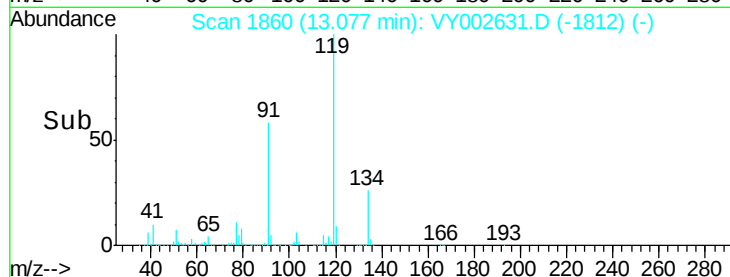
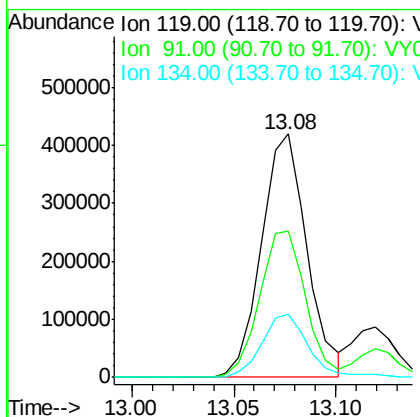
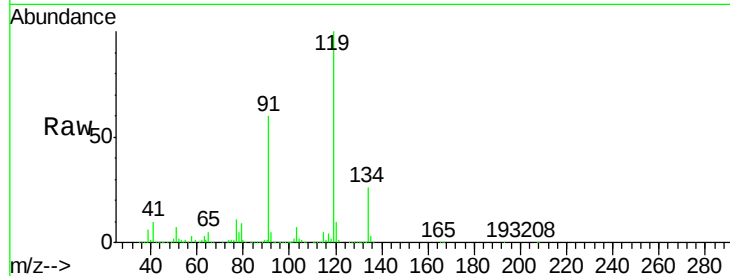
#83  
tert-Butylbenzene  
Concen: 55.644 ug/l  
RT: 13.08 min Scan# 1860  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 60.9  | 30.6  | 91.6  |
| 134     | 26.7  | 13.5  | 40.4  |

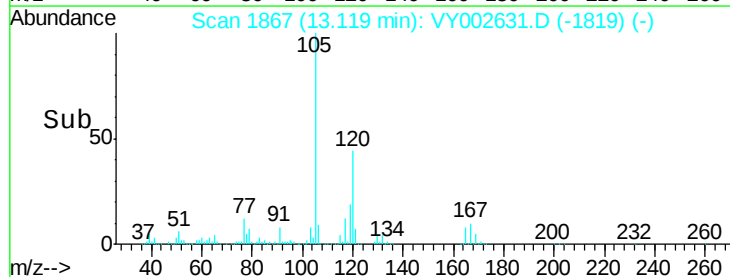
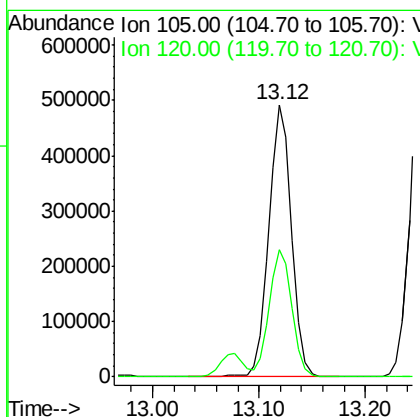
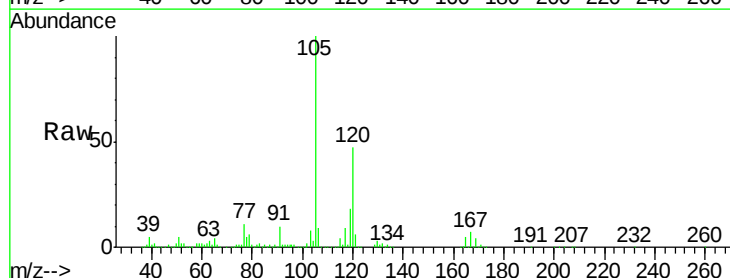
Manual Integrations  
APPROVED

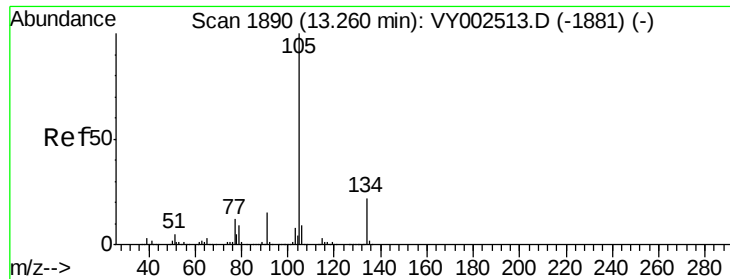
MMDadoda  
5/8/2020 1:23:52 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 55.069 ug/l  
RT: 13.12 min Scan# 1867  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.6  | 23.4  | 70.3  |





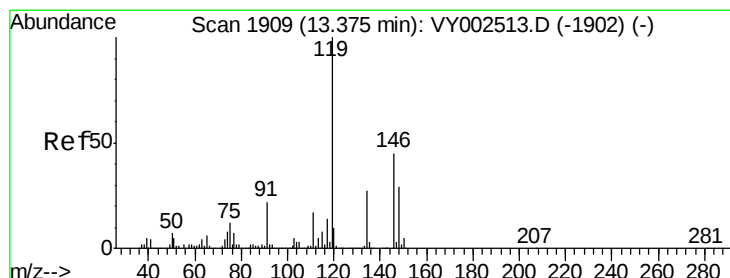
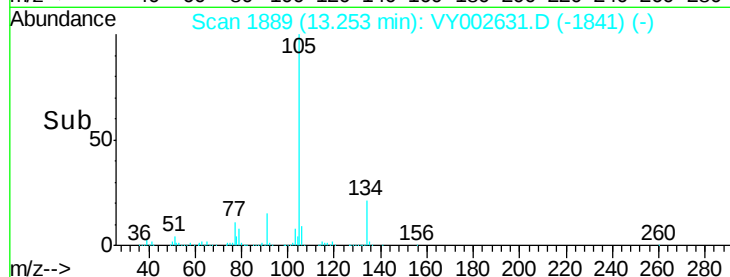
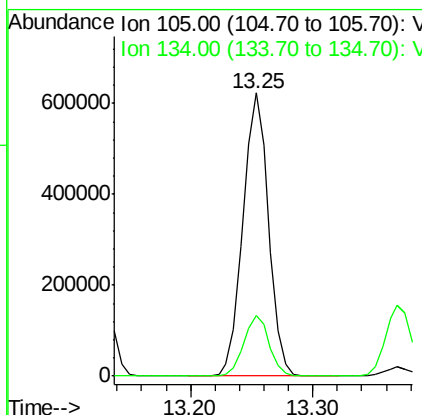
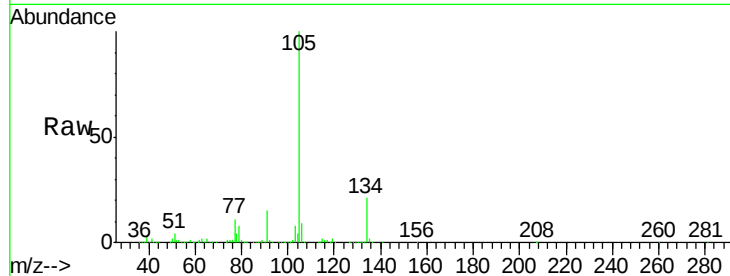
#85  
 sec-Butylbenzene  
 Concen: 55.521 ug/l  
 RT: 13.25 min Scan# 1889  
 Delta R.T. -0.01 min  
 Lab File: VY002631.D  
 Acq: 07 May 2020 16:19

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 21.2  | 10.8  | 32.3  |

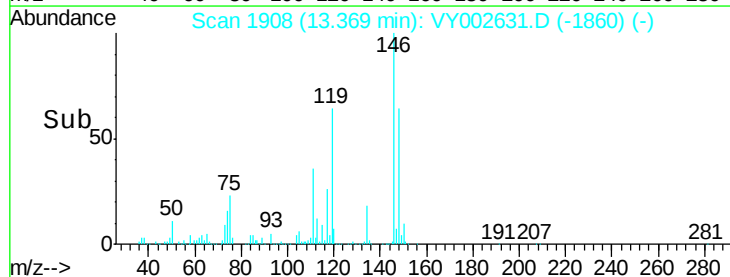
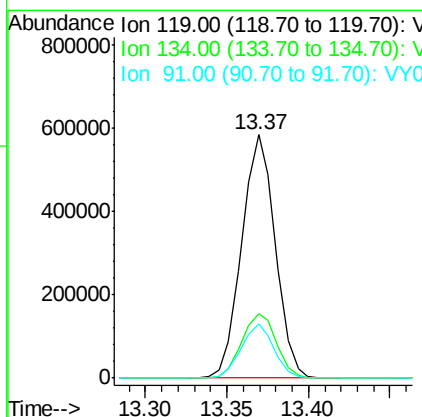
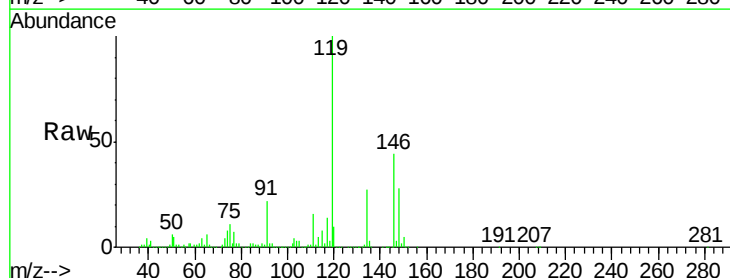
Manual Integrations  
 APPROVED

MMDadoda  
 5/8/2020 1:23:52 PM



#86  
 p-Isopropyltoluene  
 Concen: 54.990 ug/l  
 RT: 13.37 min Scan# 1908  
 Delta R.T. -0.01 min  
 Lab File: VY002631.D  
 Acq: 07 May 2020 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 27.2  | 13.5  | 40.5  |
| 91      | 21.8  | 10.9  | 32.9  |





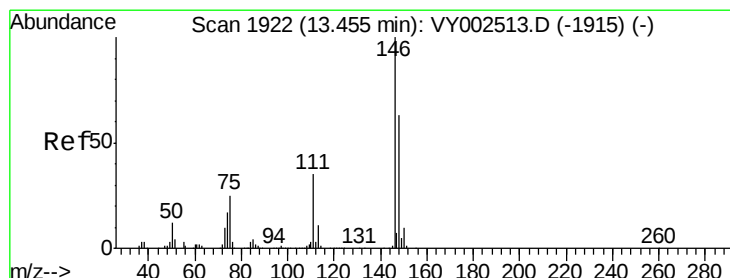
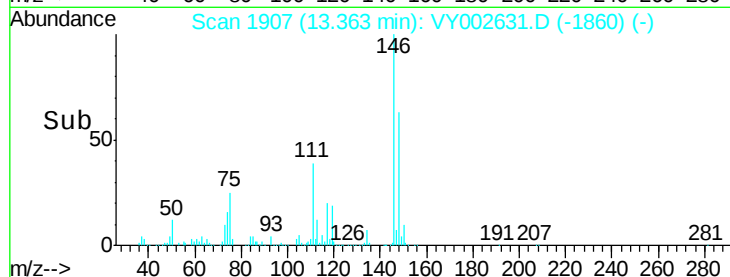
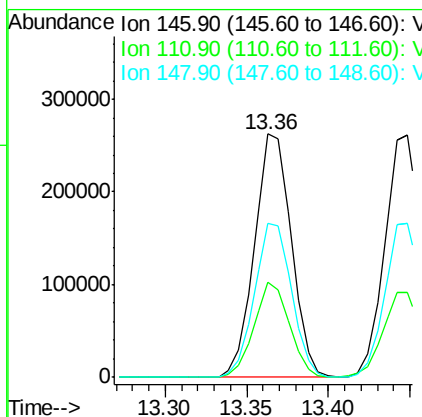
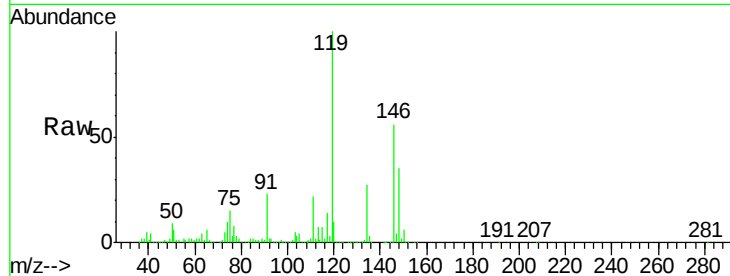
#87  
 1,3-Dichlorobenzene  
 Concen: 54.101 ug/l  
 RT: 13.36 min Scan# 1907  
 Delta R.T. -0.01 min  
 Lab File: VY002631.D  
 Acq: 07 May 2020 16:19

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 146     | 100   |      |       |       |
| 111     | 37.3  | 18.8 | 56.3  |       |
| 148     | 63.8  | 32.1 | 96.3  |       |

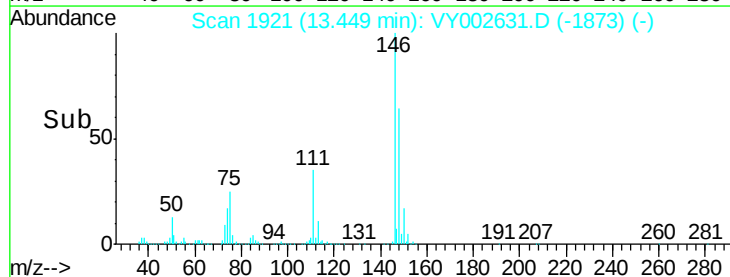
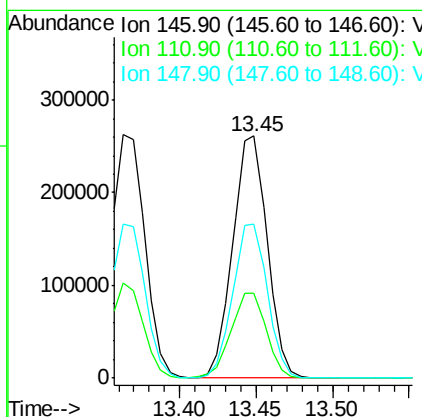
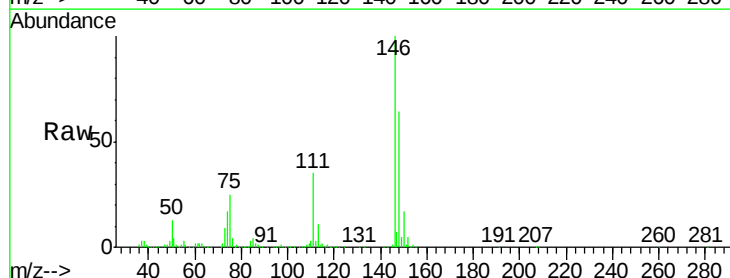
Manual Integrations  
 APPROVED

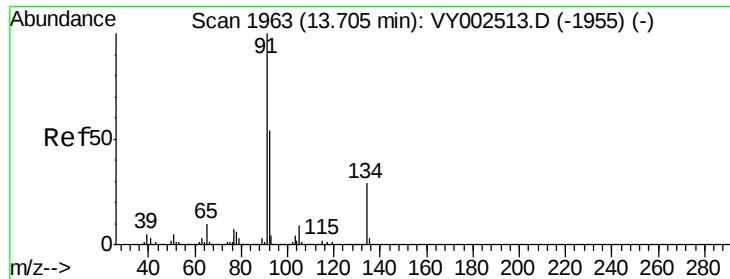
MMDadoda  
 5/8/2020 1:23:52 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 54.102 ug/l  
 RT: 13.45 min Scan# 1921  
 Delta R.T. -0.01 min  
 Lab File: VY002631.D  
 Acq: 07 May 2020 16:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 146     | 100   |      |       |       |
| 111     | 36.0  | 18.1 | 54.1  |       |
| 148     | 64.1  | 31.9 | 95.5  |       |





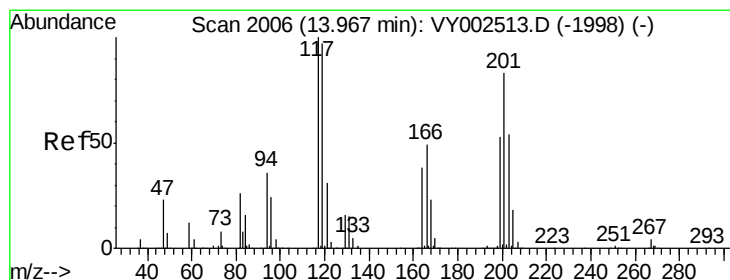
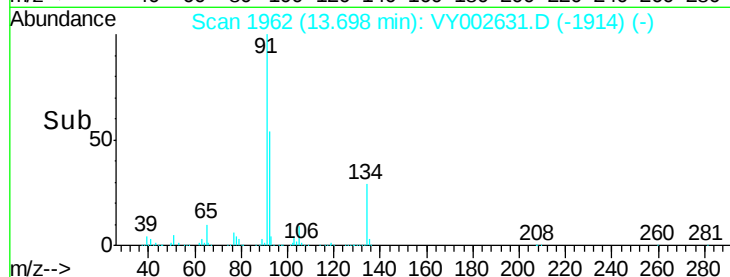
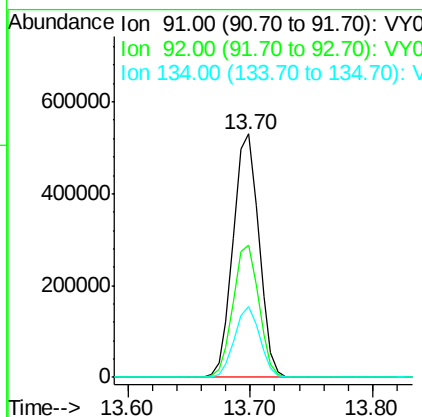
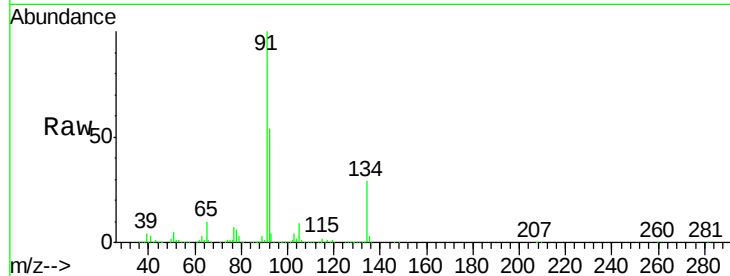
#89  
n-Butylbenzene  
Concen: 55.752 ug/l  
RT: 13.70 min Scan# 1962  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.2  | 27.1  | 81.3  |
| 134     | 28.4  | 14.4  | 43.0  |

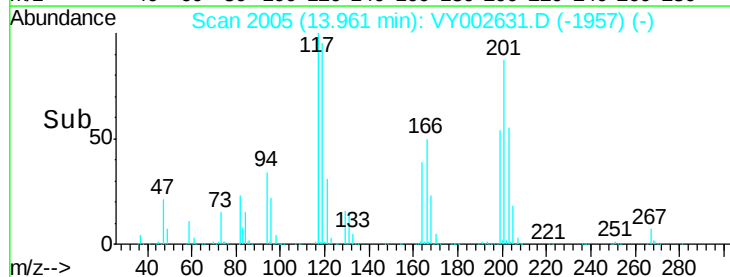
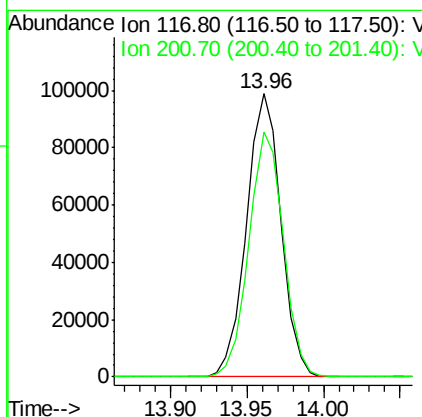
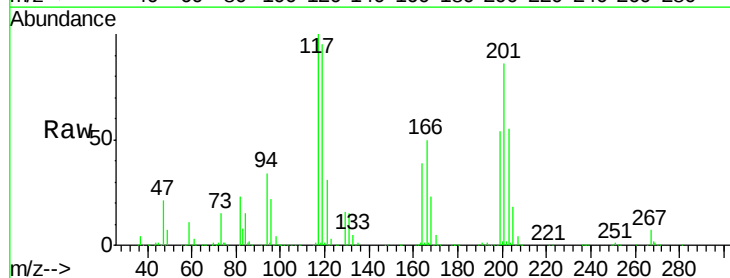
Manual Integrations  
APPROVED

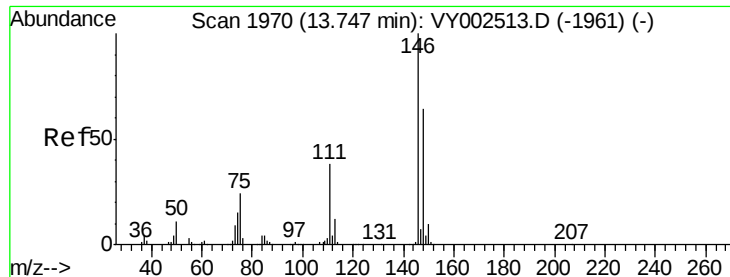
MMDadoda  
5/8/2020 1:23:52 PM



#90  
Hexachloroethane  
Concen: 55.920 ug/l  
RT: 13.96 min Scan# 2005  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 86.7  | 44.4  | 133.2 |





#91

1,2-Dichlorobenzene

Concen: 54.004 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA\_Y

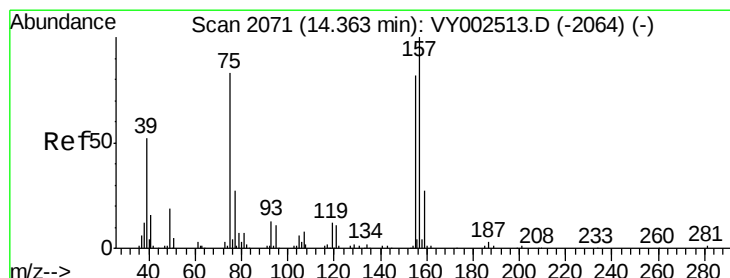
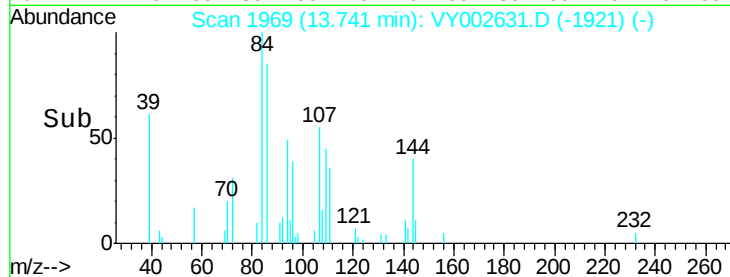
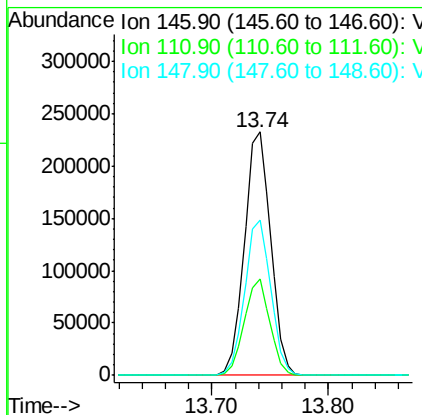
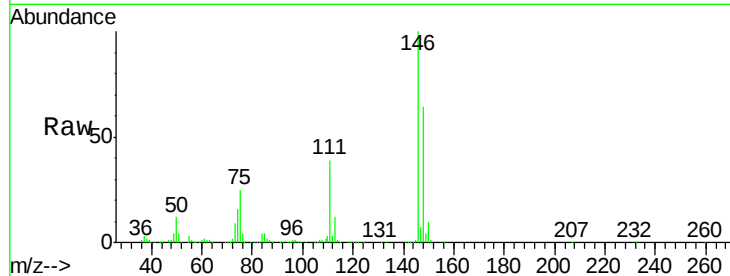
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 366640 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 38.5  | 19.1  | 57.5   |
| 148       | 63.4  | 31.9  | 95.7   |

Manual Integrations  
APPROVED

MMDadoda  
5/8/2020 1:23:52 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.121 ug/l

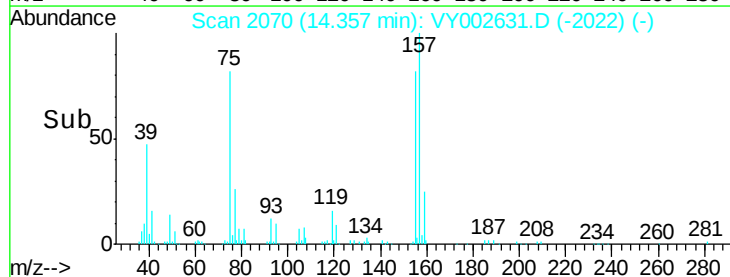
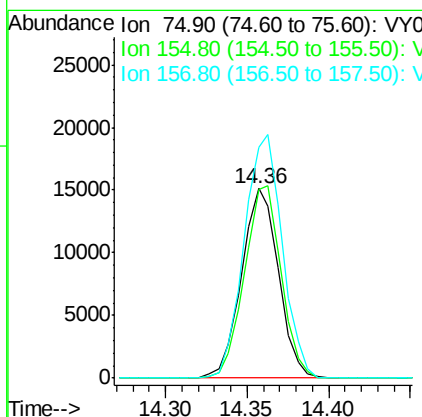
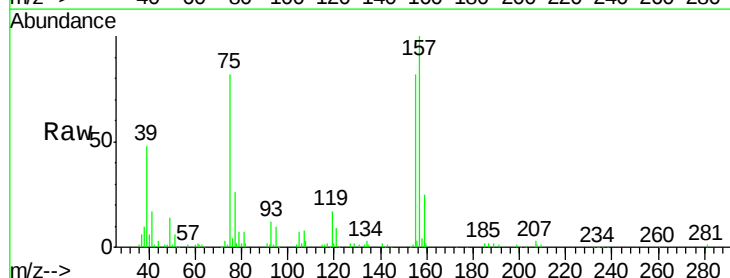
RT: 14.36 min Scan# 2070

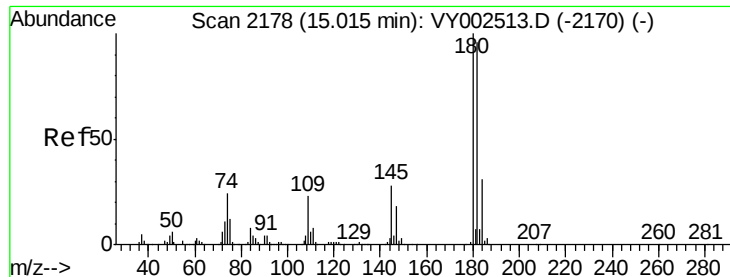
Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 23908 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 100.7 | 51.3  | 153.9 |
| 157       | 132.0 | 65.0  | 195.0 |





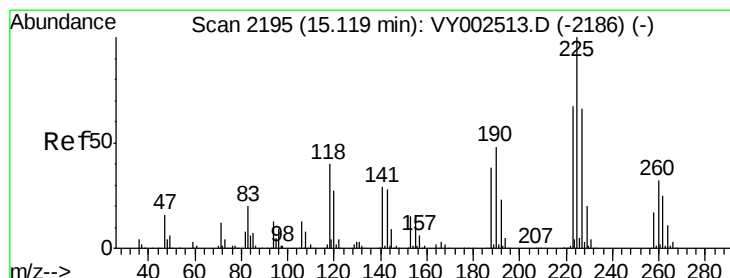
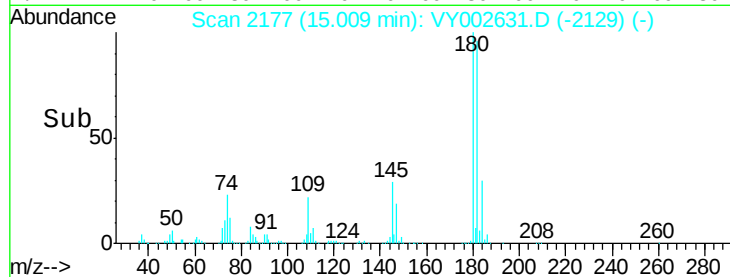
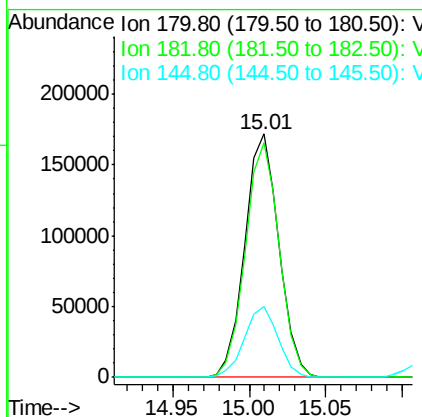
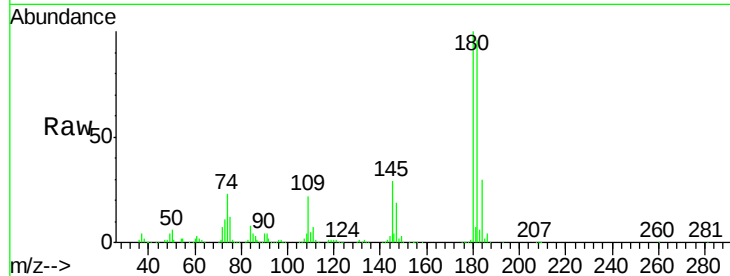
#93  
 1,2,4-Trichlorobenzene  
 Concen: 53.945 ug/l  
 RT: 15.01 min Scan# 2177  
 Delta R.T. -0.01 min  
 Lab File: VY002631.D  
 Acq: 07 May 2020 16:19

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 265896 |       |       |
| 182     | 95.6  | 47.9   | 143.6 |       |
| 145     | 29.0  | 14.4   | 43.0  |       |

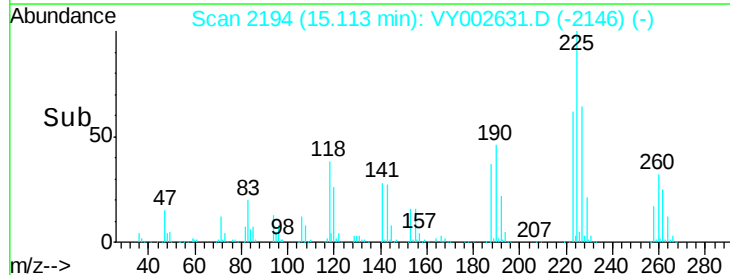
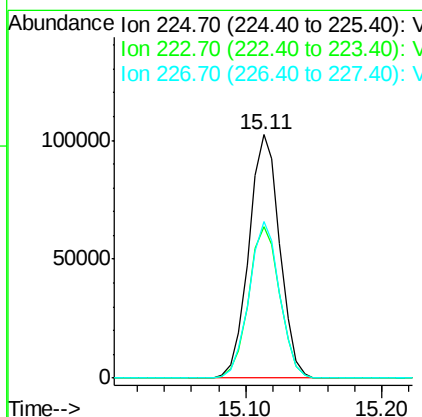
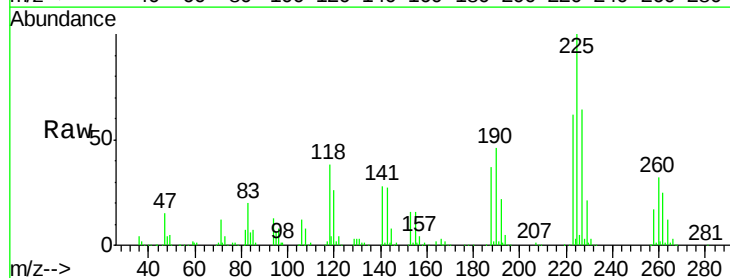
Manual Integrations  
 APPROVED

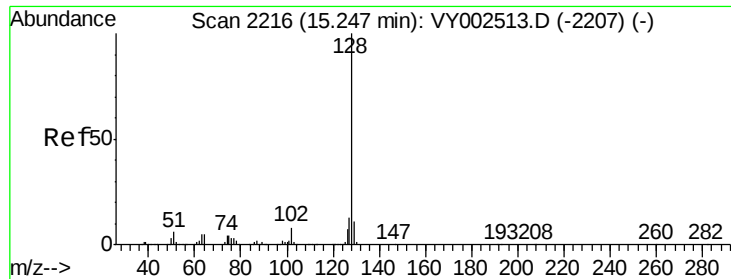
MMDadoda  
 5/8/2020 1:23:52 PM



#94  
 Hexachlorobutadiene  
 Concen: 54.990 ug/l  
 RT: 15.11 min Scan# 2194  
 Delta R.T. -0.01 min  
 Lab File: VY002631.D  
 Acq: 07 May 2020 16:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 162697 |       |       |
| 223     | 62.9  | 32.1   | 96.5  |       |
| 227     | 63.4  | 32.0   | 96.2  |       |





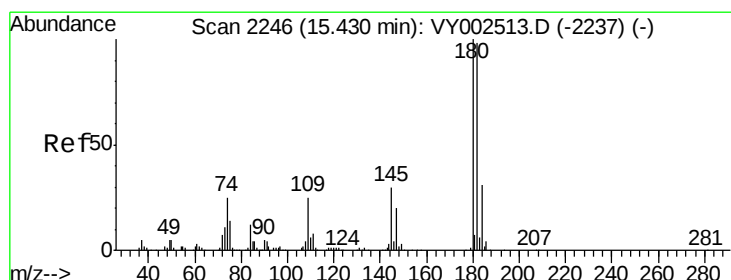
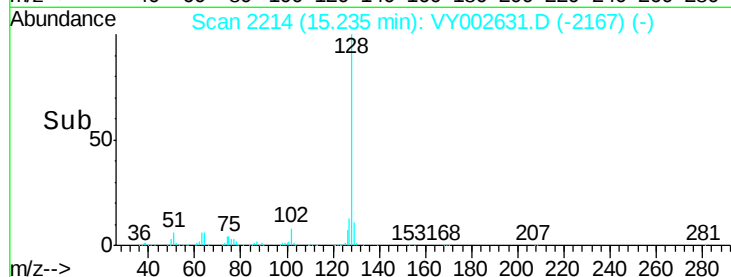
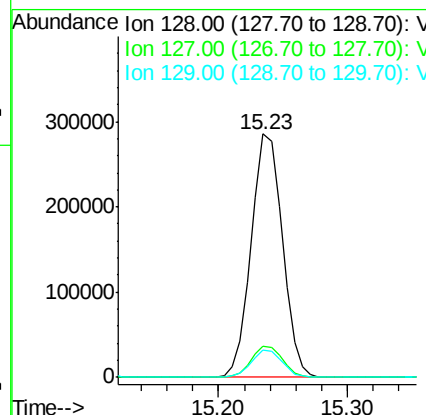
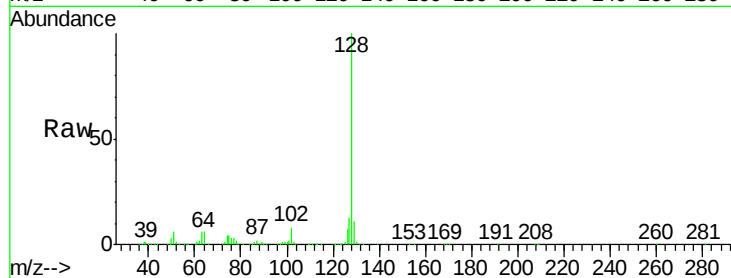
#95  
Naphthalene  
Concen: 53.189 ug/l  
RT: 15.23 min Scan# 2214  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 478259 |       |       |
| 127     | 12.8  | 10.5   | 15.7  |       |
| 129     | 11.1  | 8.8    | 13.2  |       |

Manual Integrations  
APPROVED

MMDadoda  
5/8/2020 1:23:52 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 54.106 ug/l  
RT: 15.42 min Scan# 2245  
Delta R.T. -0.01 min  
Lab File: VY002631.D  
Acq: 07 May 2020 16:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 226398 |       |       |
| 182     | 94.1  | 47.9   | 143.8 |       |
| 145     | 30.0  | 15.0   | 45.1  |       |

