

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052020\  
 Data File : VY002722.D  
 Acq On : 20 May 2020 11:38  
 Operator : SY/MD  
 Sample : VY0520SBS01  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0520SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 5/21/2020 1:14:38 PM

Quant Time: May 21 03:55:49 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y051520S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat May 16 04:52:36 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 411193   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 602253   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 537979   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 274851   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.14   | 65  | 151287   | 47.04 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.08%  |      |
| 35) Dibromofluoromethane  | 7.72   | 113 | 167957   | 50.53 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.06% |      |
| 50) Toluene-d8            | 10.18  | 98  | 681622   | 50.94 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.88% |      |
| 62) 4-Bromofluorobenzene  | 12.48  | 95  | 226104   | 49.16 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.32%  |      |

## Target Compounds

|                               |      |     |        |        |      | Qvalue |
|-------------------------------|------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.90 | 85  | 55296  | 18.767 | ug/l | 93     |
| 3) Chloromethane              | 2.12 | 50  | 65024  | 19.269 | ug/l | 97     |
| 4) Vinyl Chloride             | 2.26 | 62  | 69451  | 19.751 | ug/l | 97     |
| 5) Bromomethane               | 2.64 | 94  | 50186  | 19.257 | ug/l | 97     |
| 6) Chloroethane               | 2.79 | 64  | 43812  | 19.484 | ug/l | 96     |
| 7) Trichlorofluoromethane     | 3.13 | 101 | 116640 | 19.683 | ug/l | 98     |
| 8) Diethyl Ether              | 3.53 | 74  | 38478  | 19.088 | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.90 | 101 | 72210  | 20.102 | ug/l | 99     |
| 10) Methyl Iodide             | 4.10 | 142 | 97313  | 19.682 | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.96 | 59  | 27637  | 84.609 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.88 | 96  | 73090  | 20.265 | ug/l | 98     |
| 13) Acrolein                  | 3.74 | 56  | 32407  | 84.587 | ug/l | 96     |
| 14) Allyl chloride            | 4.49 | 41  | 103386 | 19.966 | ug/l | 100    |
| 15) Acrylonitrile             | 5.17 | 53  | 81500  | 89.289 | ug/l | 100    |
| 16) Acetone                   | 3.96 | 43  | 53108  | 80.097 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.20 | 76  | 223545 | 19.759 | ug/l | 100    |
| 18) Methyl Acetate            | 4.49 | 43  | 35182  | 18.610 | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 5.23 | 73  | 170193 | 19.024 | ug/l | 99     |
| 20) Methylene Chloride        | 4.72 | 84  | 75234  | 18.771 | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 5.22 | 96  | 79563  | 19.838 | ug/l | 97     |
| 22) Diisopropyl ether         | 6.13 | 45  | 208174 | 20.264 | ug/l | 97     |
| 23) Vinyl Acetate             | 6.07 | 43  | 618599 | 94.039 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.02 | 63  | 124635 | 20.303 | ug/l | 99     |
| 25) 2-Butanone                | 6.99 | 43  | 94443  | 86.089 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.99 | 77  | 113841 | 19.931 | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.99 | 96  | 86058  | 19.858 | ug/l | 99     |
| 28) Bromochloromethane        | 7.34 | 49  | 50647  | 20.856 | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.35 | 42  | 66458  | 89.036 | ug/l | 100    |
| 30) Chloroform                | 7.52 | 83  | 126033 | 19.782 | ug/l | 99     |
| 31) Cyclohexane               | 7.78 | 56  | 123294 | 19.803 | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.71 | 97  | 116035 | 19.710 | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 7.92 | 75  | 103569 | 20.314 | ug/l | 99     |
| 37) Ethyl Acetate             | 7.08 | 43  | 46224  | 18.433 | ug/l | 98     |
| 38) Carbon Tetrachloride      | 7.90 | 117 | 109771 | 20.033 | ug/l | 99     |

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

Instrument :  
 MSVOA\_Y  
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 VY0520SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 5/21/2020 1:14:38 PM

Quant Time: May 21 03:55:49 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y051520S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat May 16 04:52:36 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.19  | 83   | 136664   | 19.935  | ug/l   | 96       |
| 40) Benzene                    | 8.16  | 78   | 299490   | 20.132  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.33  | 41   | 28926m   | 19.200  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.24  | 62   | 73793    | 18.808  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.28  | 43   | 87746    | 18.829  | ug/l   | 99       |
| 44) Trichloroethene            | 8.94  | 130  | 96003    | 20.246  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.22  | 63   | 71146    | 20.151  | ug/l   | 97       |
| 46) Dibromomethane             | 9.31  | 93   | 38420    | 19.369  | ug/l   | 100      |
| 47) Bromodichloromethane       | 9.50  | 83   | 94745    | 19.571  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.29  | 41   | 39328    | 18.329  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.30  | 88   | 8870     | 328.327 | ug/l # | 95       |
| 51) 4-Methyl-2-Pentanone       | 10.07 | 43   | 221858   | 92.207  | ug/l   | 99       |
| 52) Toluene                    | 10.24 | 92   | 190495   | 19.788  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.46 | 75   | 99178    | 19.194  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.93  | 75   | 118352   | 19.758  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.64 | 97   | 55778    | 18.888  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.51 | 69   | 73110    | 18.596  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.79 | 76   | 95399    | 19.277  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.78  | 63   | 180423   | 92.961  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.83 | 43   | 149792   | 89.358  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.99 | 129  | 71892    | 19.056  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.09 | 107  | 54895    | 18.867  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.72 | 164  | 105758   | 20.707  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.52 | 112  | 209688   | 20.171  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.59 | 131  | 76707    | 19.881  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.59 | 91   | 370680   | 20.308  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.70 | 106  | 290370   | 40.889  | ug/l   | 99       |
| 69) o-Xylene                   | 12.03 | 106  | 134859   | 20.233  | ug/l   | 100      |
| 70) Styrene                    | 12.04 | 104  | 229615   | 20.065  | ug/l   | 100      |
| 71) Bromoform                  | 12.20 | 173  | 44405    | 18.619  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.33 | 105  | 373541   | 20.799  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.14 | 43   | 80488    | 19.099  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.58 | 83   | 49189    | 18.600  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75   | 40709m   | 18.030  | ug/l   |          |
| 77) Bromobenzene               | 12.61 | 156  | 90056    | 20.057  | ug/l   | 100      |
| 78) n-propylbenzene            | 12.67 | 91   | 433986   | 20.773  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.75 | 91   | 239258   | 20.648  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.81 | 105  | 307977   | 20.409  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 22208    | 18.602  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.85 | 91   | 247885   | 20.422  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.07 | 119  | 276363   | 20.693  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.12 | 105  | 308238   | 20.438  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.25 | 105  | 379241   | 20.579  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.37 | 119  | 352749   | 20.449  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.36 | 146  | 175330   | 20.253  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.44 | 146  | 172823   | 20.052  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.69 | 91   | 324331   | 20.474  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.96 | 117  | 64524    | 20.195  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.74 | 146  | 151977   | 19.575  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.36 | 75   | 9200     | 18.140  | ug/l   | 98       |

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Data File : VY002722.D  
Acq On : 20 May 2020 11:38  
Operator : SY/MD  
Sample : VY0520SBSD01  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBSD01

Manual Integrations  
APPROVED

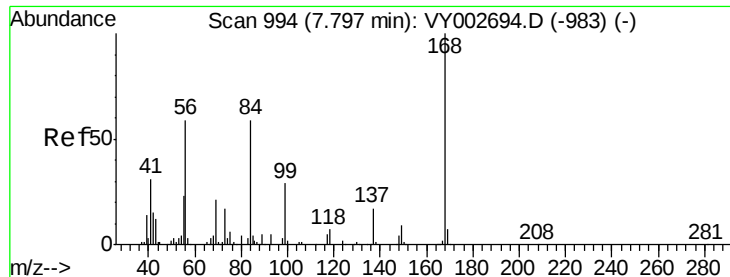
MMDadoda  
5/21/2020 1:14:38 PM

Quant Time: May 21 03:55:49 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y051520S.M  
Quant Title : SW846 8260  
QLast Update : Sat May 16 04:52:36 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.00 | 180  | 111084   | 17.796 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.11 | 225  | 71472    | 19.132 | ug/l  | 98       |
| 95) Naphthalene            | 15.23 | 128  | 188705   | 17.648 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.42 | 180  | 92422    | 17.178 | ug/l  | 98       |

(#) = 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. 0.00 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

Instrument :

MSVOA\_Y

ClientSampleId :

VY0520SBS01

Tot Ion:168 Resp: 411193

Ion Ratio Lower Upper

168 100

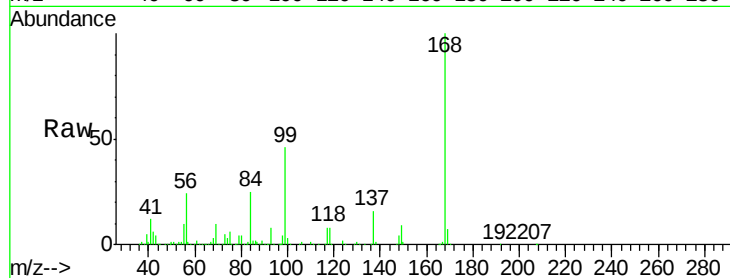
99 46.4 39.2 58.8

Manual Integrations

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5/21/2020 1:14:38 PM



Abundance Ion 167.90 (167.60 to 168.60): VY002722.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002722.D (-945) (-)

7.80

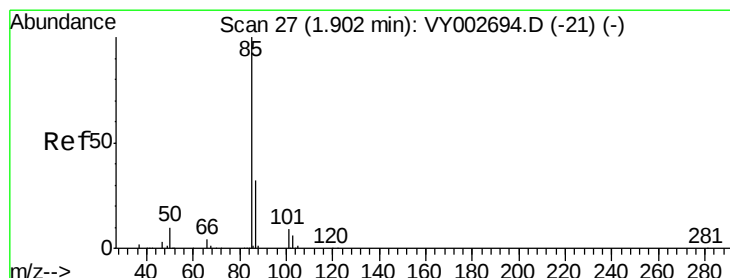
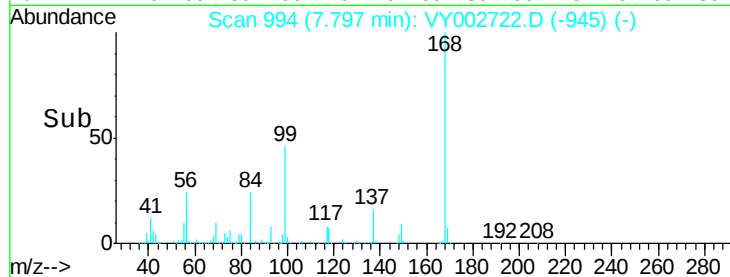
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.767 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY002722.D

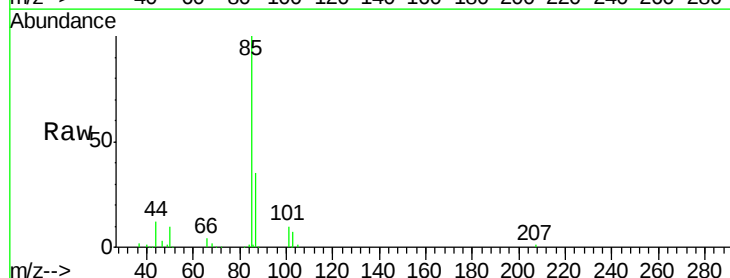
Acq: 20 May 2020 11:38

Tgt Ion: 85 Resp: 55296

Ion Ratio Lower Upper

85 100

87 35.3 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002722.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002722.D (-1) (-)

1.90

40000

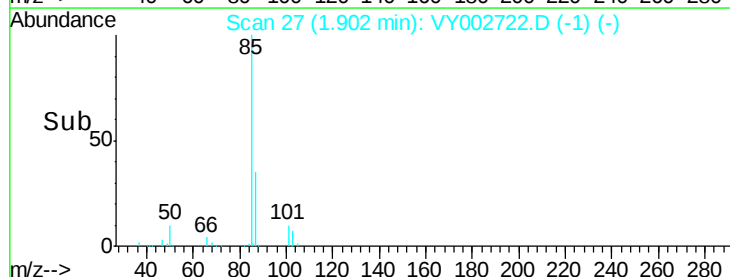
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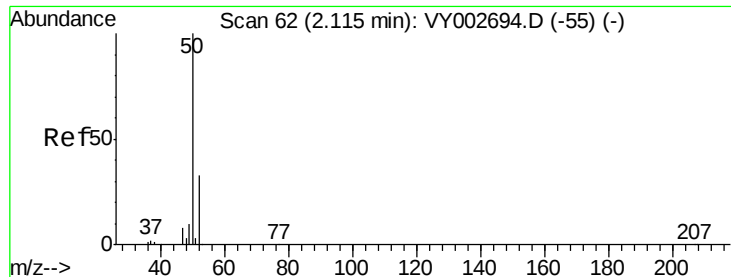
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.269 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

Instrument :

MSVOA\_Y

ClientSampleId :

VY0520SBS01

Tot Ion: 50 Resp: 65024

Ion Ratio Lower Upper

50 100

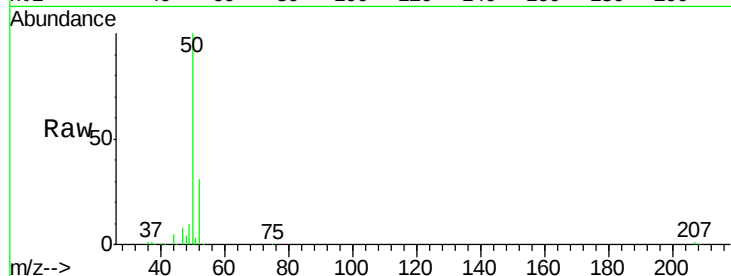
52 31.4 26.3 39.5

Manual Integrations

APPROVED

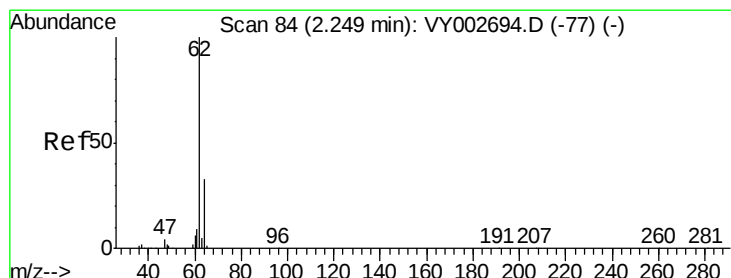
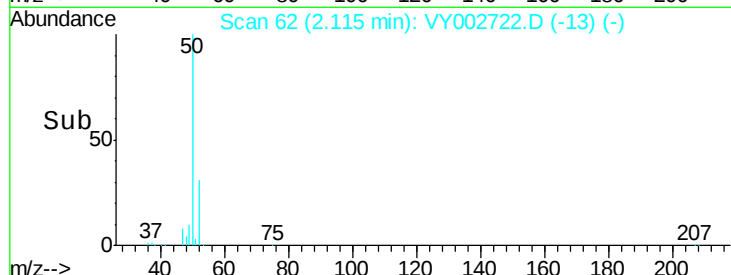
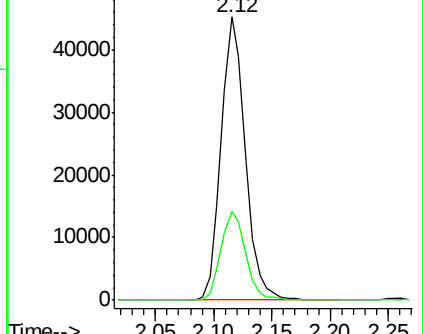
MMDadoda

5/21/2020 1:14:38 PM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 19.751 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY002722.D

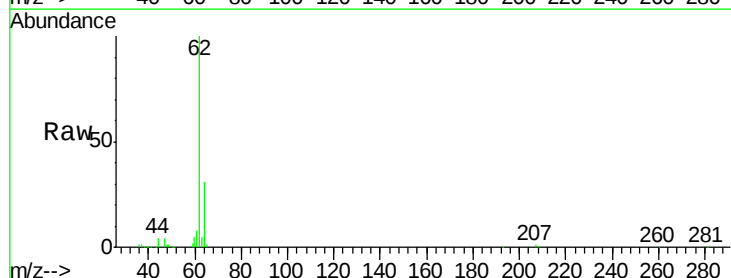
Acq: 20 May 2020 11:38

Tgt Ion: 62 Resp: 69451

Ion Ratio Lower Upper

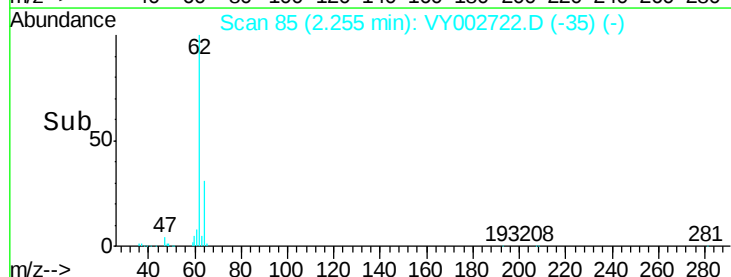
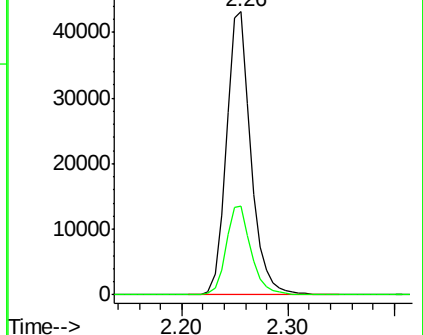
62 100

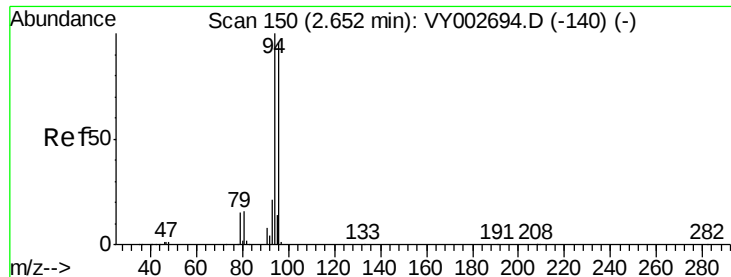
64 31.4 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 19.257 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

Instrument :

MSVOA\_Y

ClientSampleId :

VY0520SBS01

Tot Ion: 94 Resp: 50186

Ion Ratio Lower Upper

94 100

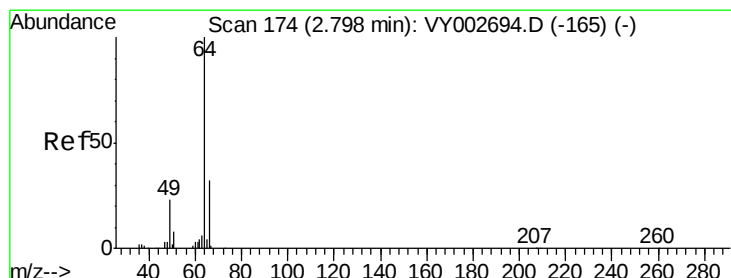
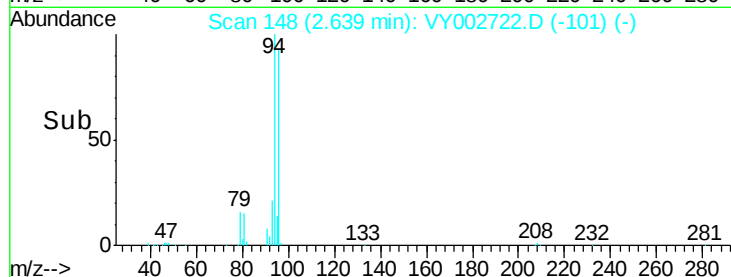
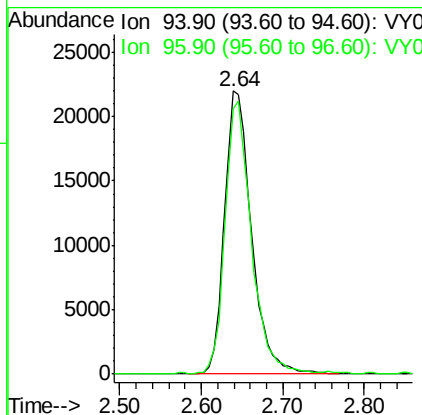
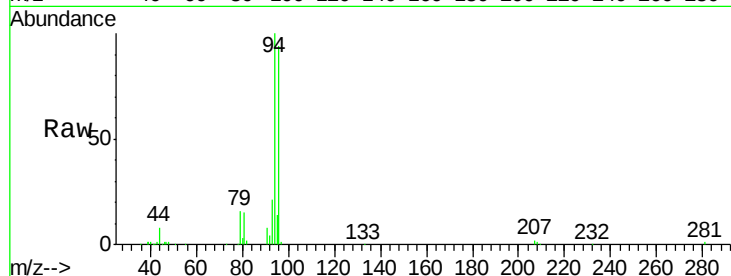
96 93.4 76.8 115.2

Manual Integrations

APPROVED

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5/21/2020 1:14:38 PM



#6

Chloroethane

Concen: 19.484 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY002722.D

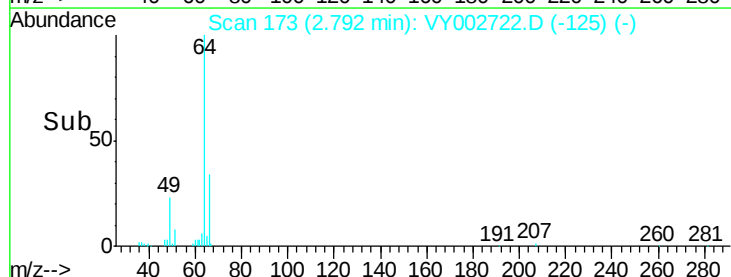
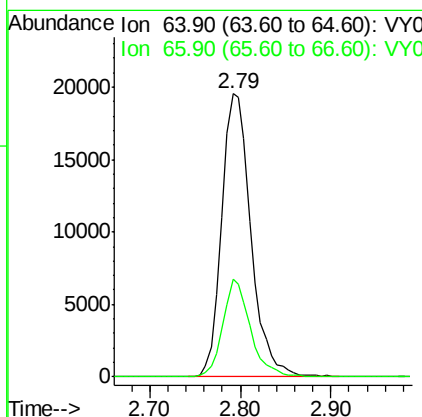
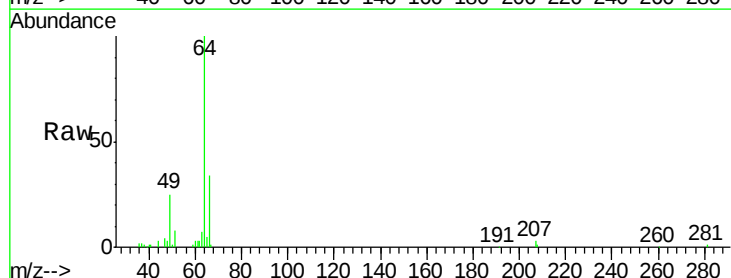
Acq: 20 May 2020 11:38

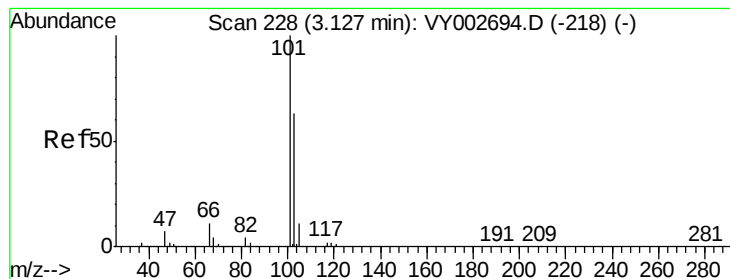
Tgt Ion: 64 Resp: 43812

Ion Ratio Lower Upper

64 100

66 34.4 25.9 38.9





#7

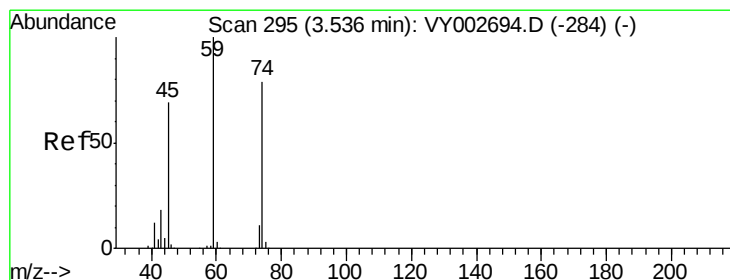
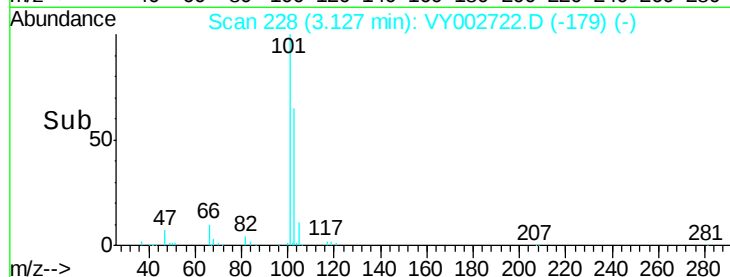
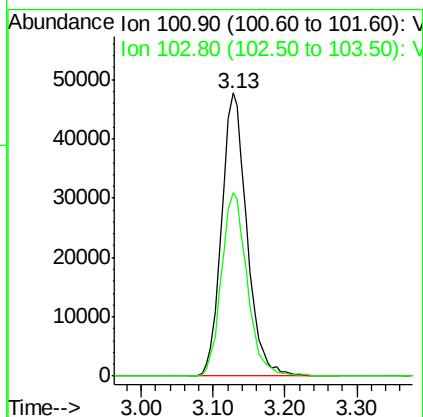
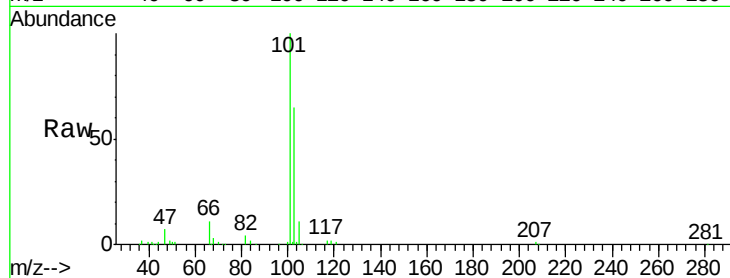
Trichlorofluoromethane  
Concen: 19.683 ug/l  
RT: 3.13 min Scan# 228  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 116640 |       |       |
| 103     | 64.8  | 50.6   | 75.8  |       |

Manual Integrations  
APPROVED

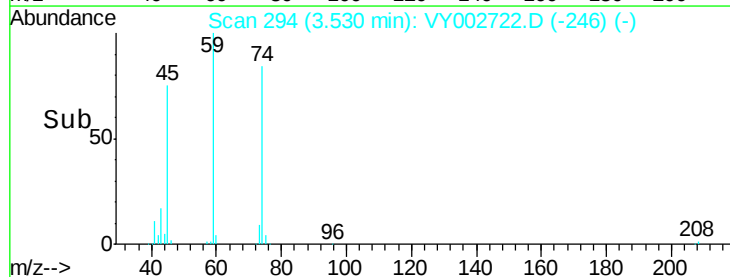
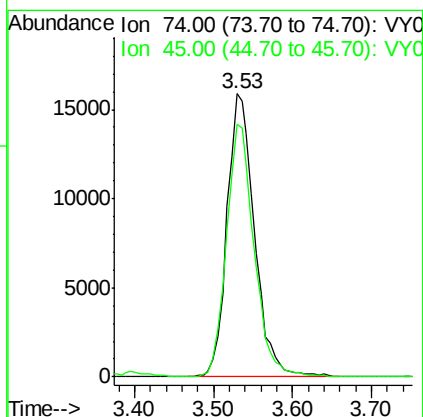
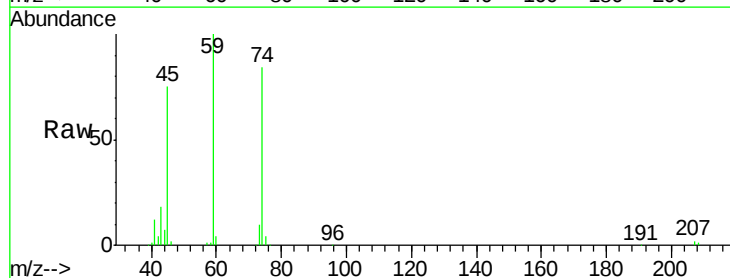
MMDadoda  
5/21/2020 1:14:38 PM

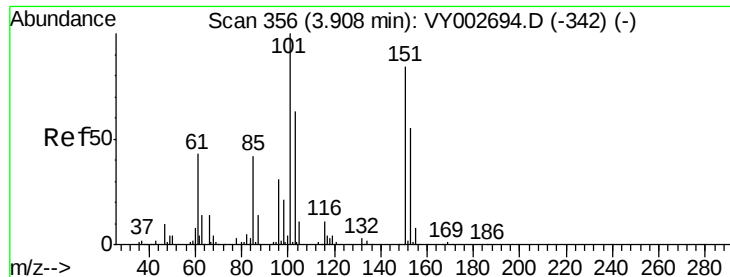


#8

Diethyl Ether  
Concen: 19.088 ug/l  
RT: 3.53 min Scan# 294  
Delta R.T. -0.01 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 38478 |       |       |
| 45      | 89.9  | 43.8  | 131.3 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.102 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

Instrument :

MSVOA\_Y

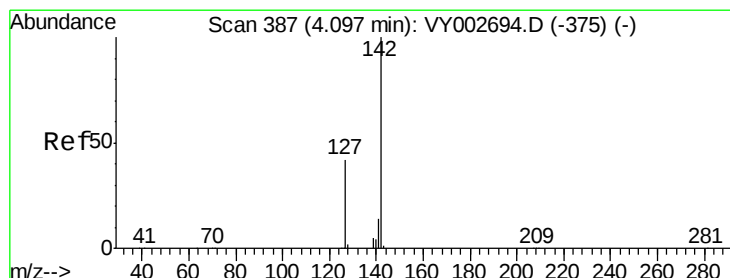
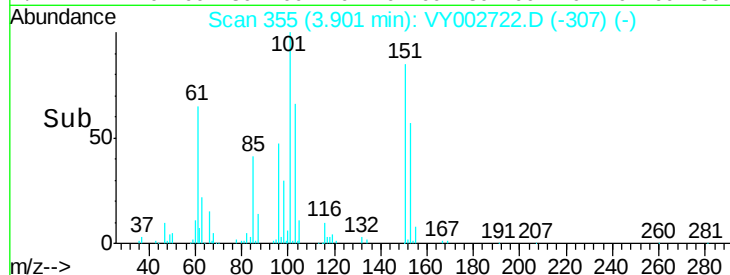
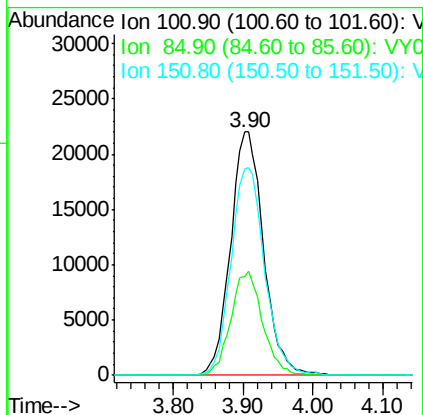
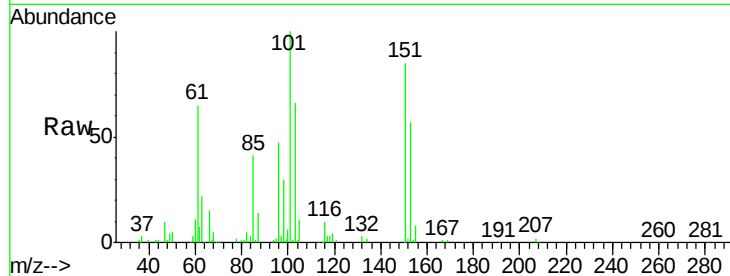
ClientSampleId :

VY0520SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 72210 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 41.1  | 33.5  | 50.3  |
| 151       | 86.7  | 69.6  | 104.4 |

Manual Integrations  
APPROVED

MMDadoda  
5/21/2020 1:14:38 PM



#10

Methyl Iodide

Concen: 19.682 ug/l

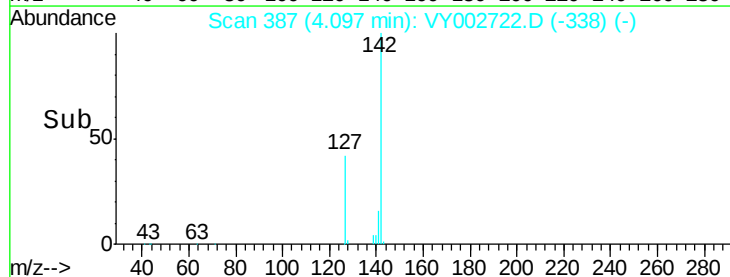
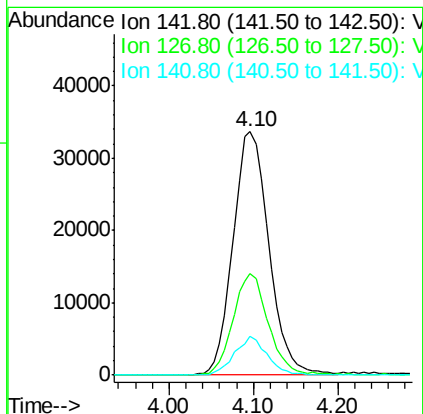
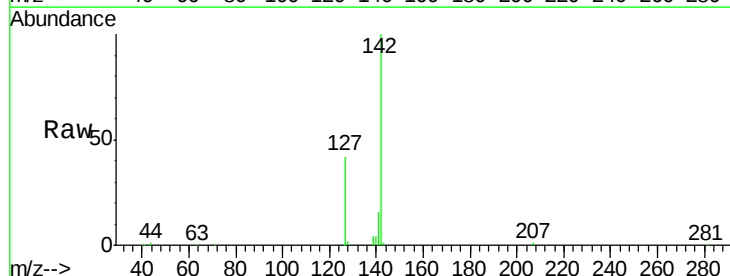
RT: 4.10 min Scan# 387

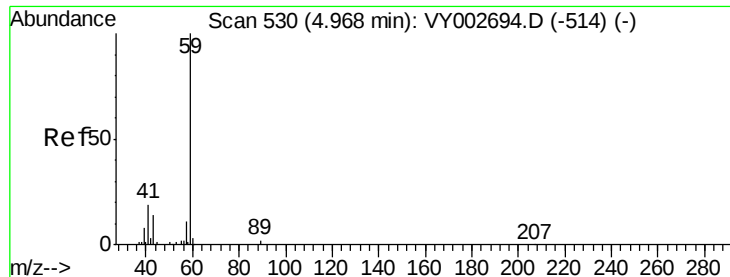
Delta R.T. 0.00 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 97313 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 40.5  | 32.8  | 49.2  |
| 141       | 14.4  | 11.3  | 16.9  |





#11

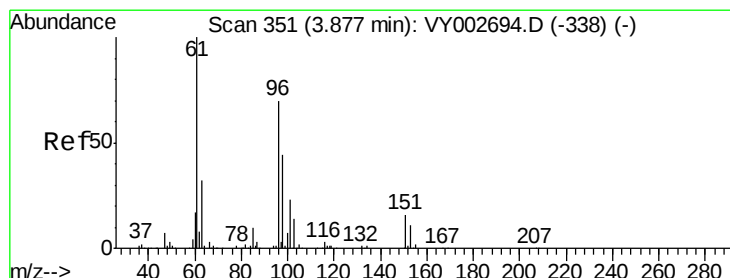
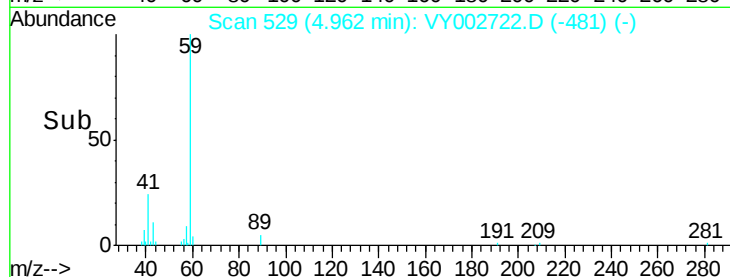
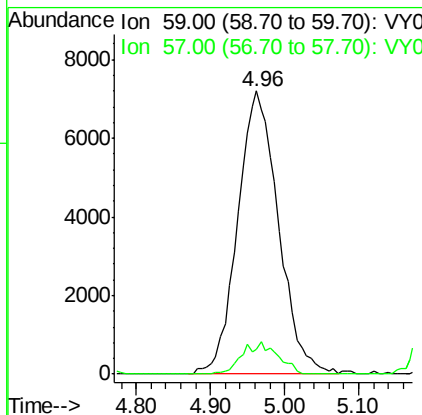
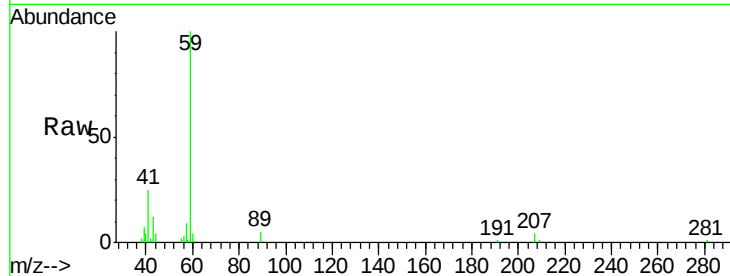
Tert butyl alcohol  
 Concen: 84.609 ug/l  
 RT: 4.96 min Scan# 529  
 Delta R.T. -0.01 min  
 Lab File: VY002722.D  
 Acq: 20 May 2020 11:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.8   | 7.7   | 11.5  |

Manual Integrations  
 APPROVED

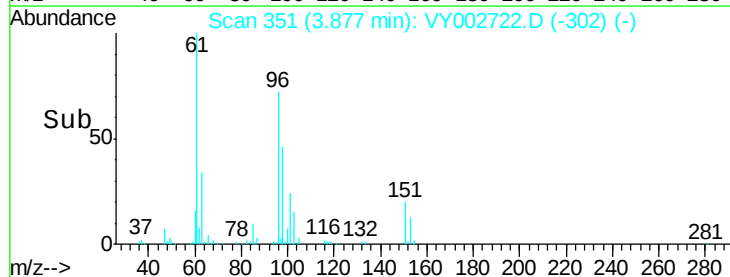
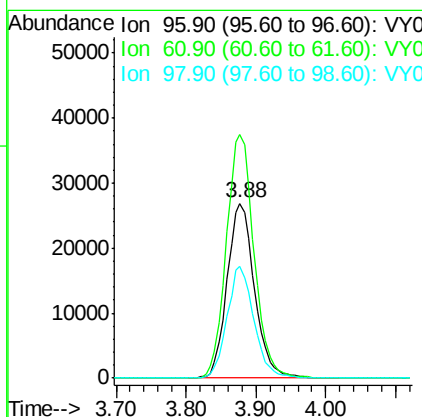
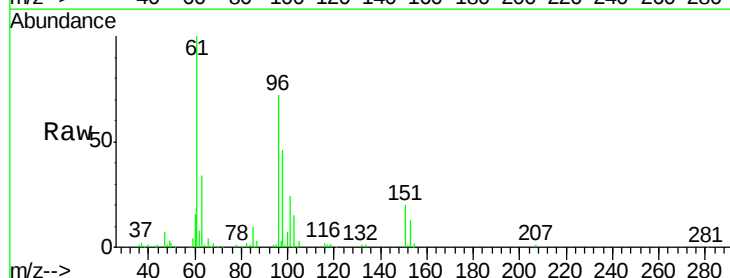
MMDadoda  
 5/21/2020 1:14:38 PM

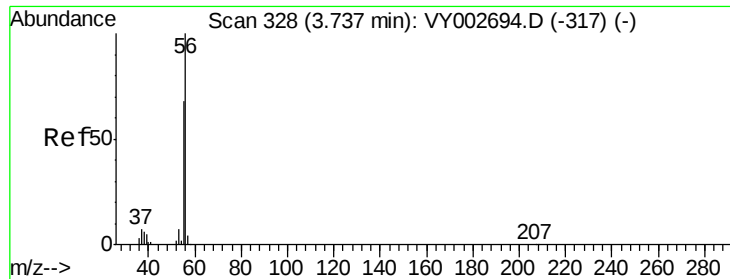


#12

1,1-Dichloroethene  
 Concen: 20.265 ug/l  
 RT: 3.88 min Scan# 351  
 Delta R.T. 0.00 min  
 Lab File: VY002722.D  
 Acq: 20 May 2020 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 139.3 | 113.8 | 170.8 |
| 98      | 63.8  | 50.4  | 75.6  |





#13

Acrolein

Concen: 84.587 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

Instrument :

MSVOA\_Y

ClientSampleId :

VY0520SBS01

Tot Ion: 56 Resp: 32407

Ion Ratio Lower Upper

56 100

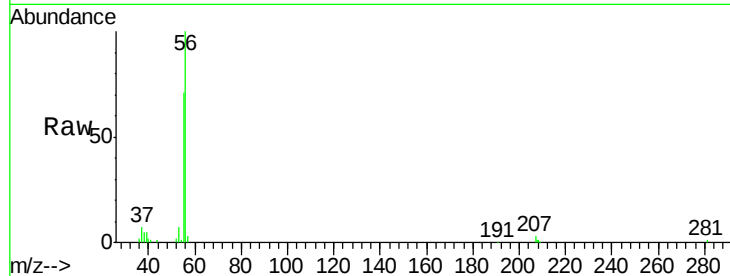
55 71.5 54.8 82.2

Manual Integrations

APPROVED

MMDadoda

5/21/2020 1:14:38 PM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

15000

10000

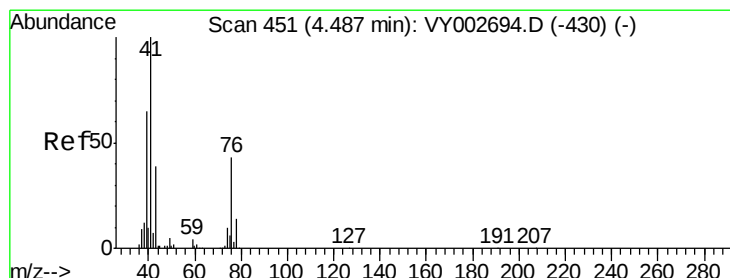
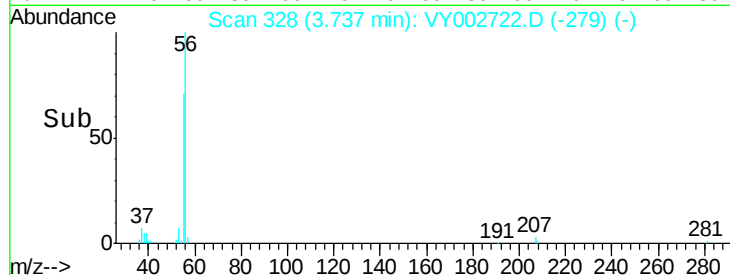
5000

0

3.74

3.60 3.70 3.80 3.90

Time-->



#14

Allyl chloride

Concen: 19.966 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

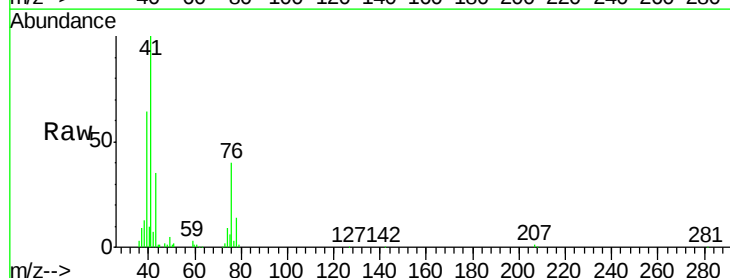
Tgt Ion: 41 Resp: 103386

Ion Ratio Lower Upper

41 100

39 63.1 50.3 75.5

76 41.5 33.2 49.8



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

40000

30000

20000

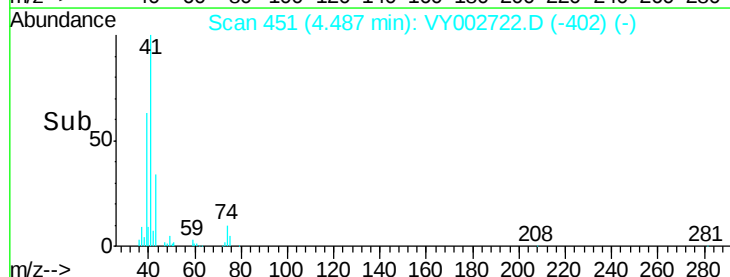
10000

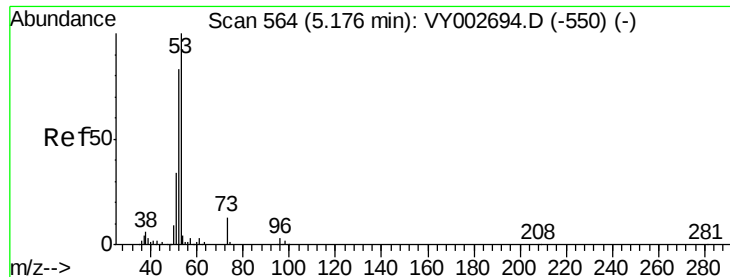
0

4.49

4.30 4.40 4.50 4.60

Time-->





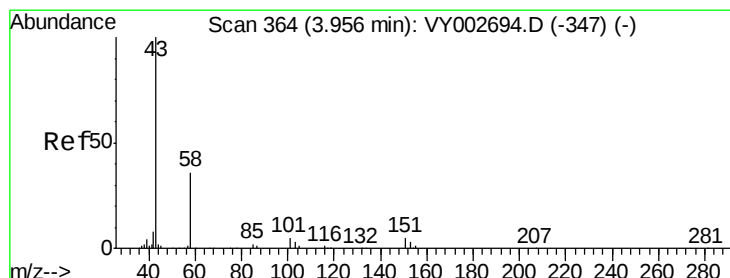
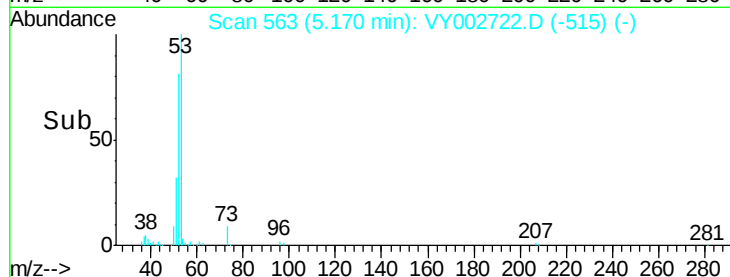
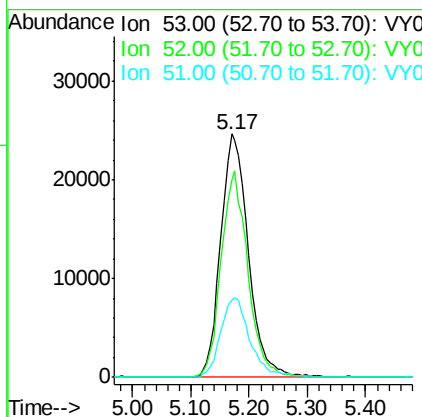
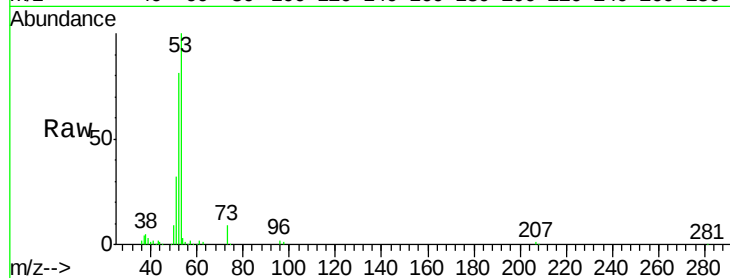
#15  
 Acrylonitrile  
 Concen: 89.289 ug/l  
 RT: 5.17 min Scan# 563  
 Delta R.T. -0.01 min  
 Lab File: VY002722.D  
 Acq: 20 May 2020 11:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0520SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 53    | Resp: | 81500 |
| Ion Ratio | Lower | Upper |       |
| 53        | 100   |       |       |
| 52        | 81.3  | 65.0  | 97.6  |
| 51        | 34.4  | 27.9  | 41.9  |

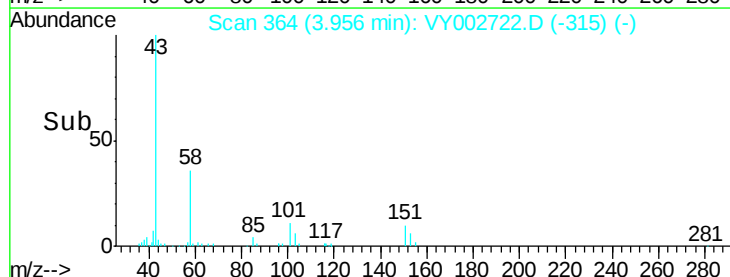
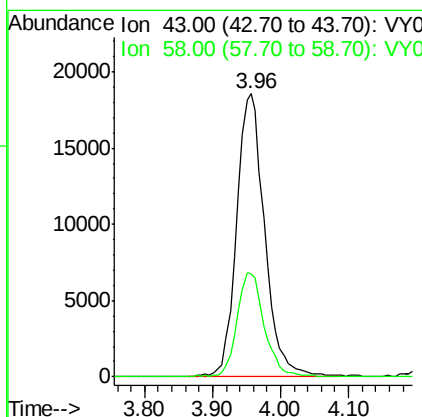
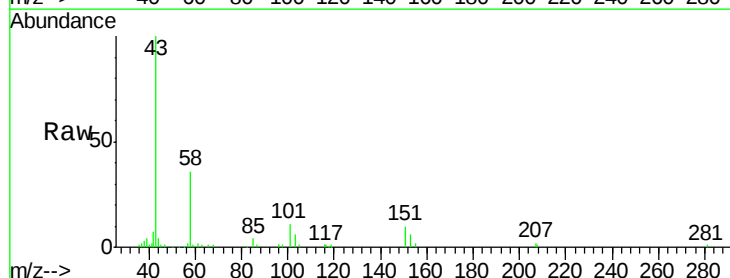
Manual Integrations  
 APPROVED

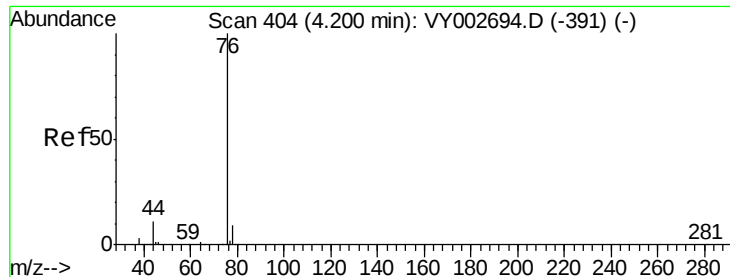
MMDadoda  
 5/21/2020 1:14:38 PM



#16  
 Acetone  
 Concen: 80.097 ug/l  
 RT: 3.96 min Scan# 364  
 Delta R.T. 0.00 min  
 Lab File: VY002722.D  
 Acq: 20 May 2020 11:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 53108 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 36.2  | 28.6  | 43.0  |





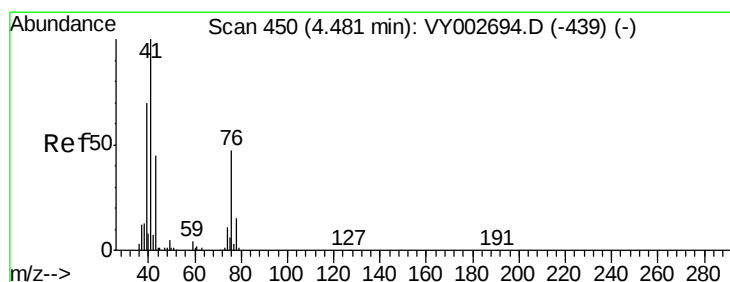
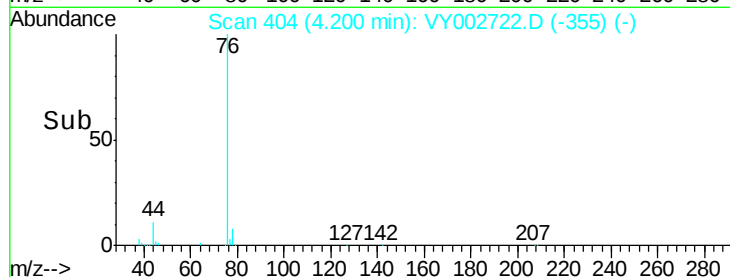
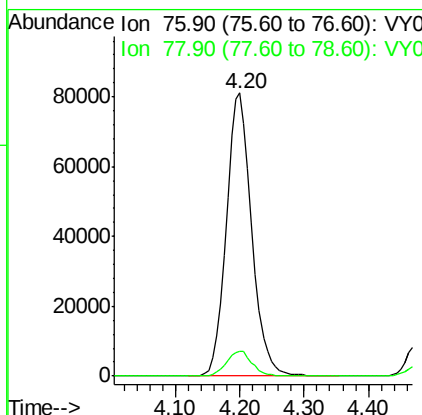
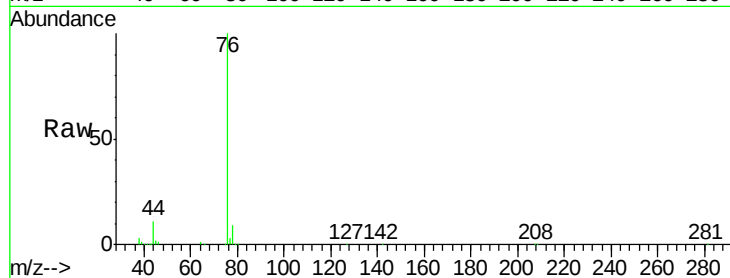
#17  
Carbon Disulfide  
Concen: 19.759 ug/l  
RT: 4.20 min Scan# 404  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.8   | 7.1   | 10.7  |

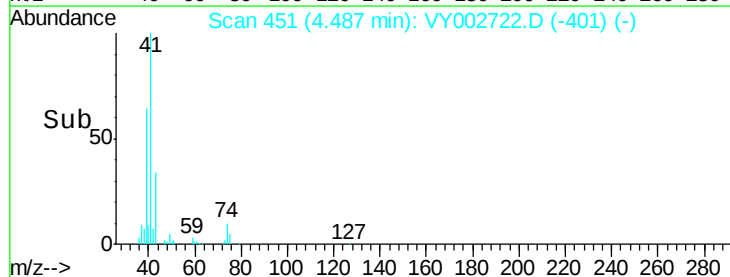
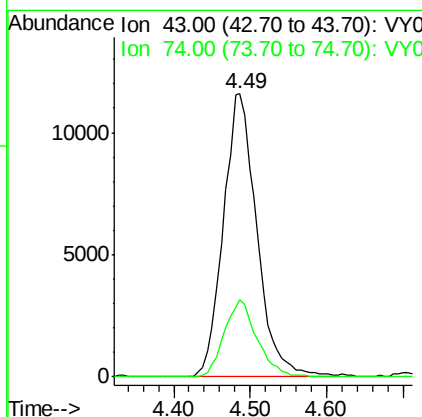
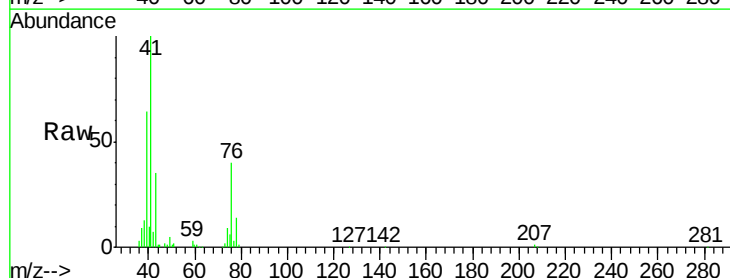
Manual Integrations  
APPROVED

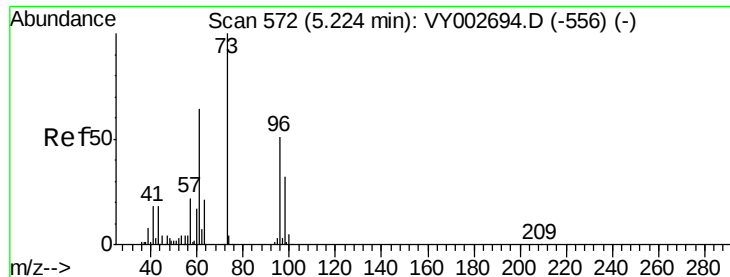
MMDadoda  
5/21/2020 1:14:38 PM



#18  
Methyl Acetate  
Concen: 18.610 ug/l  
RT: 4.49 min Scan# 451  
Delta R.T. 0.01 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 26.5  | 21.1  | 31.7  |





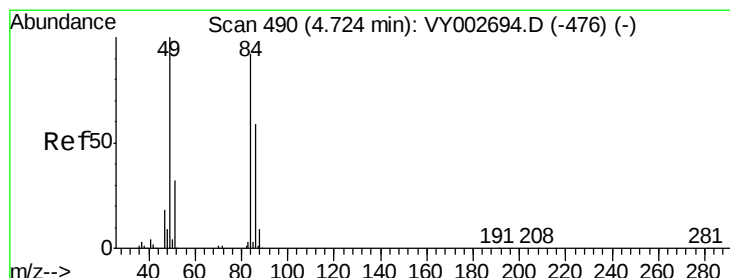
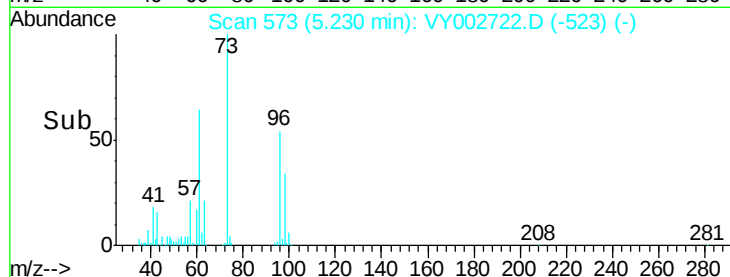
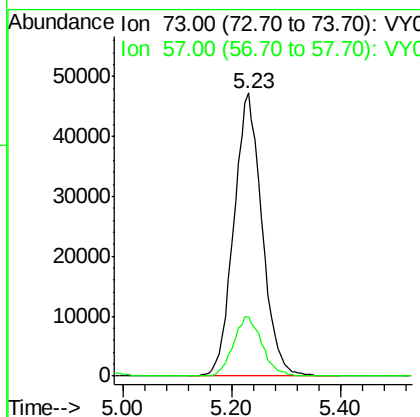
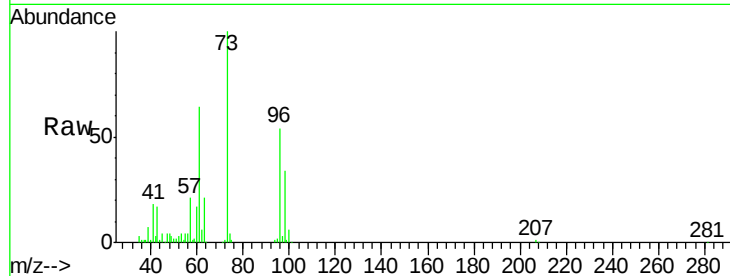
#19  
Methvl tert-butvl Ether  
Concen: 19.024 ug/l  
RT: 5.23 min Scan# 573  
Delta R.T. 0.01 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 21.1  | 17.3  | 25.9  |

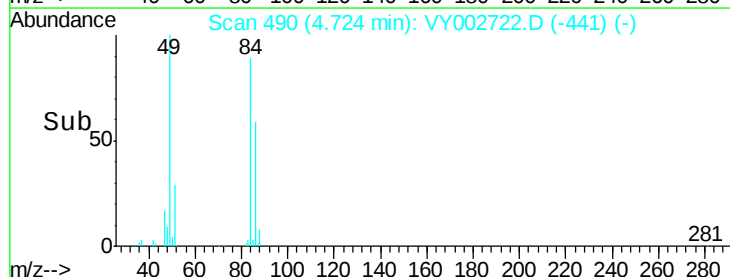
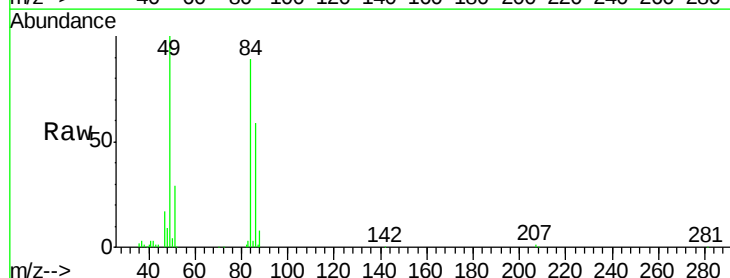
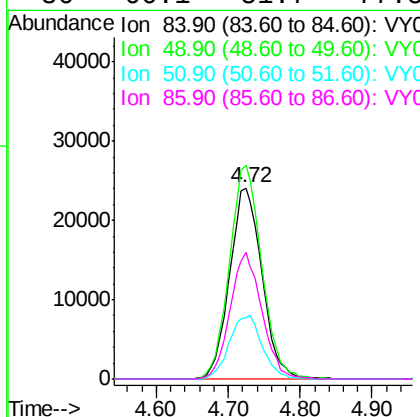
Manual Integrations  
APPROVED

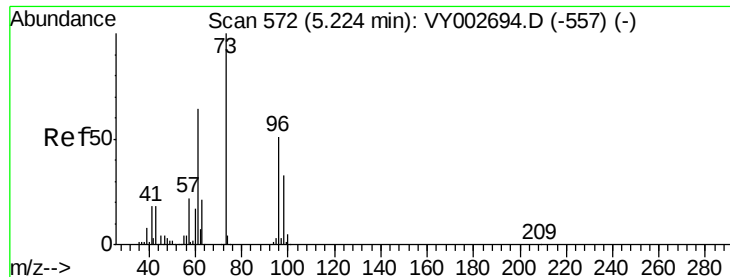
MMDadoda  
5/21/2020 1:14:38 PM



#20  
Methylene Chloride  
Concen: 18.771 ug/l  
RT: 4.72 min Scan# 490  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 111.7 | 87.4  | 131.0 |
| 51      | 32.1  | 27.9  | 41.9  |
| 86      | 66.1  | 51.7  | 77.5  |





#21

trans-1,2-Dichloroethene

Concen: 19.838 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

Instrument :

MSVOA\_Y

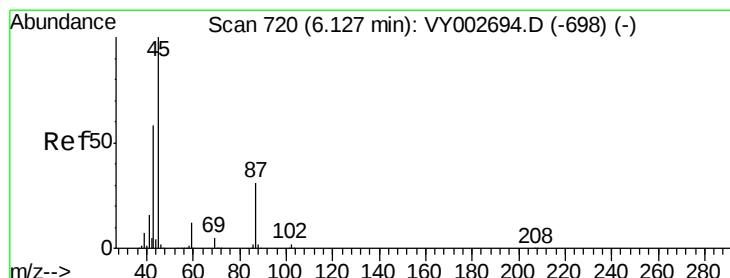
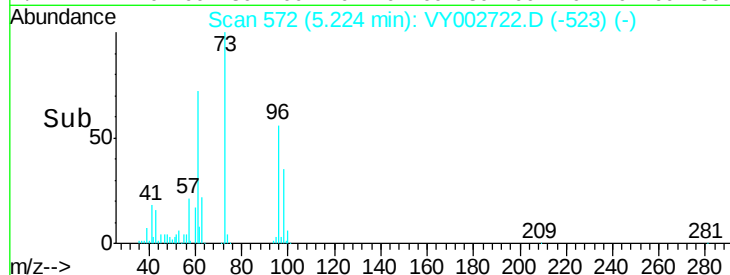
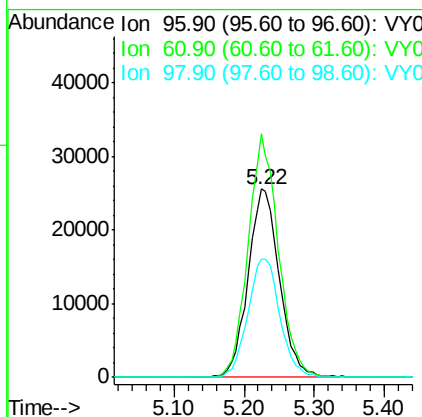
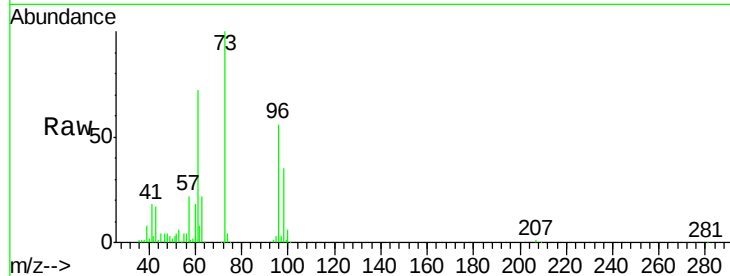
ClientSampleId :

VY0520SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 79563 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 129.3 | 99.6  | 149.4 |
| 98       | 62.9  | 50.6  | 76.0  |

Manual Integrations  
APPROVED

MMDadoda  
5/21/2020 1:14:38 PM



#22

Diisopropyl ether

Concen: 20.264 ug/l

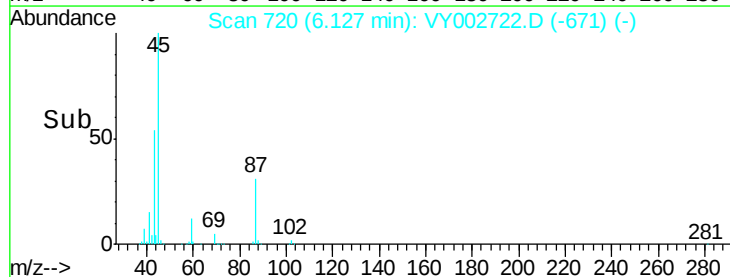
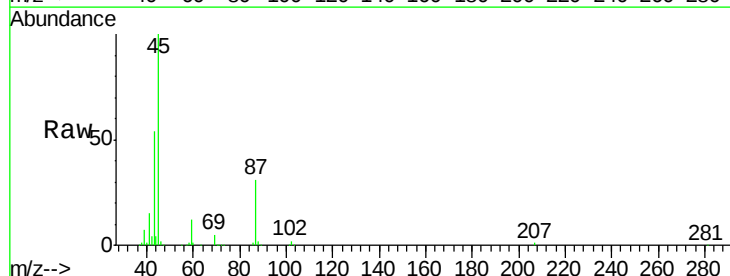
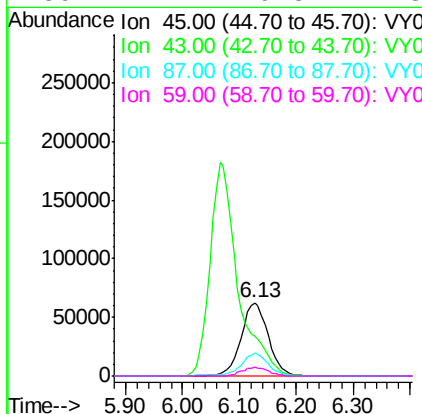
RT: 6.13 min Scan# 720

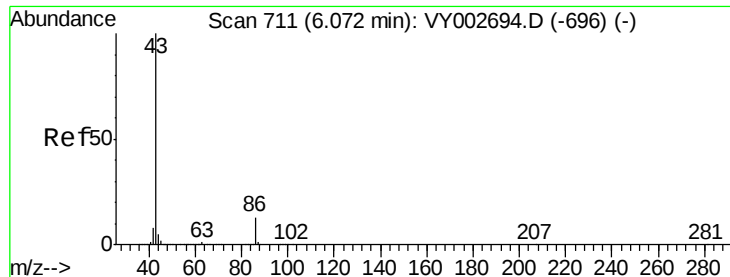
Delta R.T. 0.00 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 208174 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 54.1  | 46.1  | 69.1   |
| 87       | 31.0  | 24.9  | 37.3   |
| 59       | 12.2  | 9.8   | 14.8   |





#23

Vinyl Acetate

Concen: 94.039 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

Instrument :

MSVOA\_Y

ClientSampleId :

VY0520SBS01

Tot Ion: 43 Resp: 618599

Ion Ratio Lower Upper

43 100

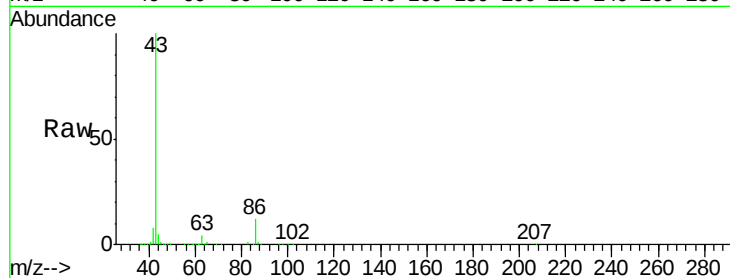
86 12.1 10.1 15.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

200000

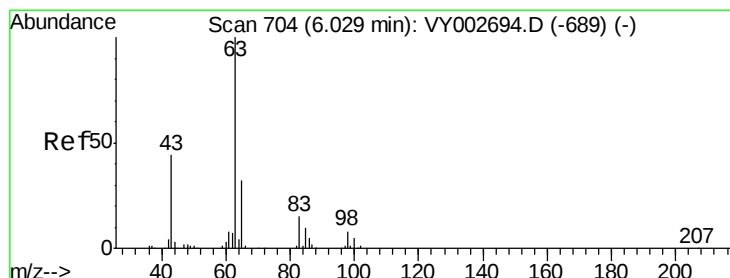
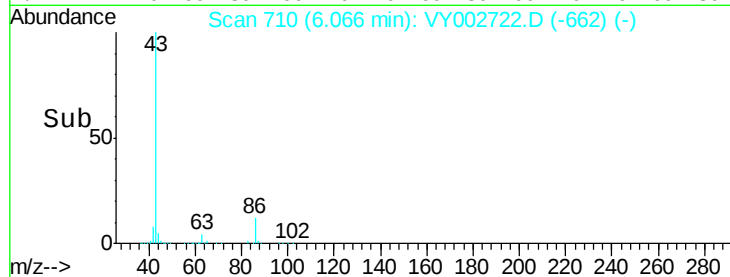
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.303 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

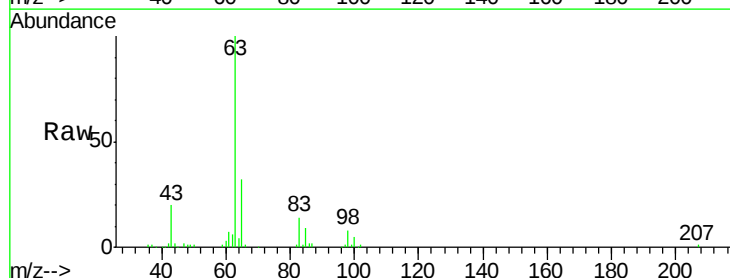
Tgt Ion: 63 Resp: 124635

Ion Ratio Lower Upper

63 100

98 7.7 4.0 11.9

100 5.4 2.5 7.6



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

6.02

50000

40000

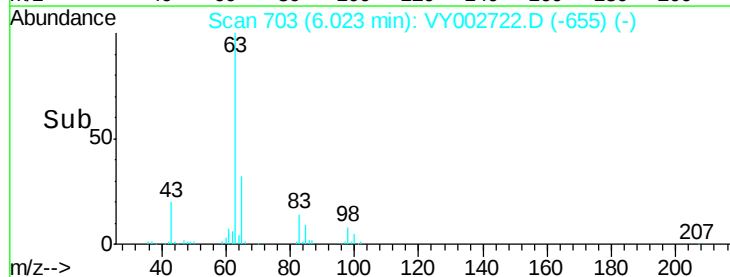
30000

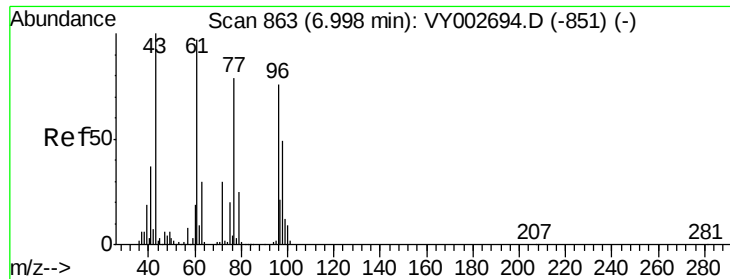
20000

10000

0

Time-->





#25

2-Butanone

Concen: 86.089 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

Instrument :

MSVOA\_Y

ClientSampleId :

VY0520SBS01

Tot Ion: 43 Resp: 94443

Ion Ratio Lower Upper

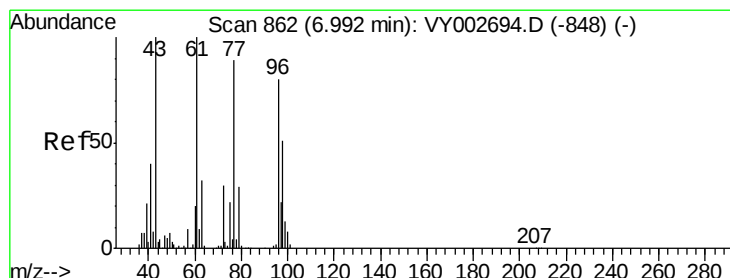
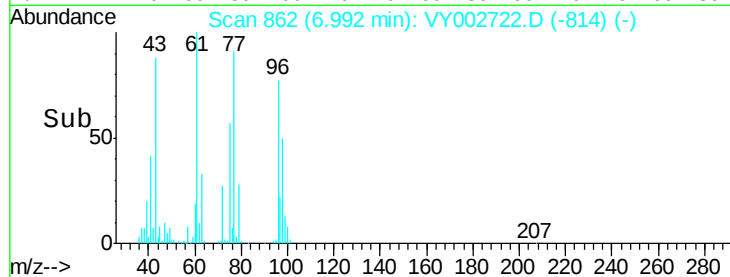
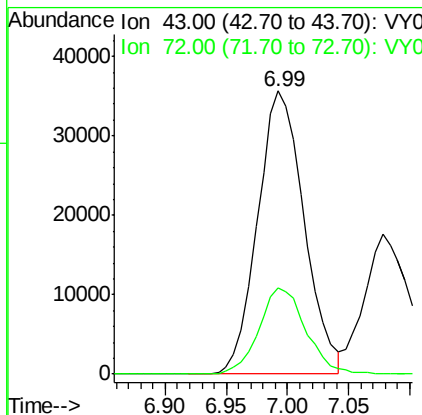
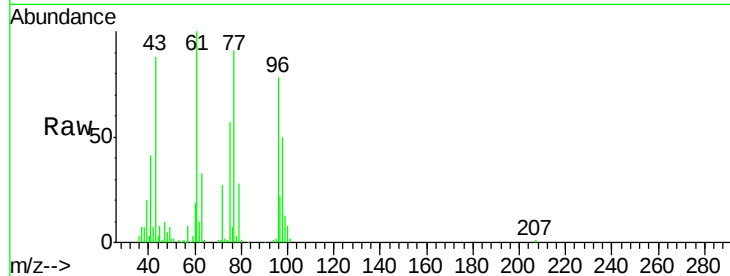
43 100

72 30.4 24.1 36.1

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#26

2,2-Dichloropropane

Concen: 19.931 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY002722.D

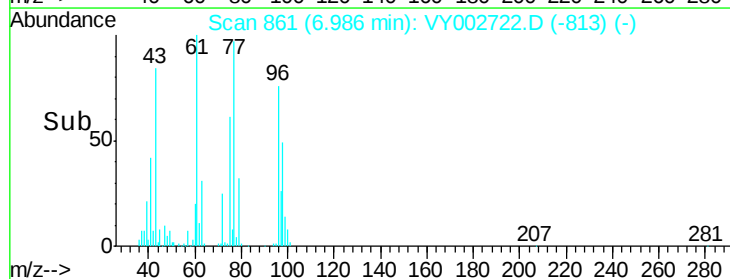
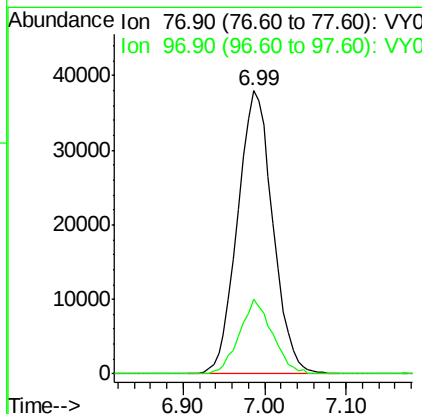
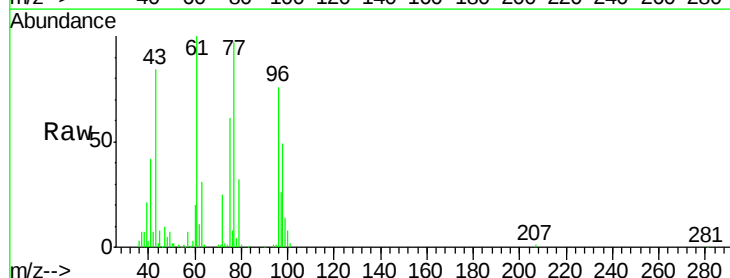
Acq: 20 May 2020 11:38

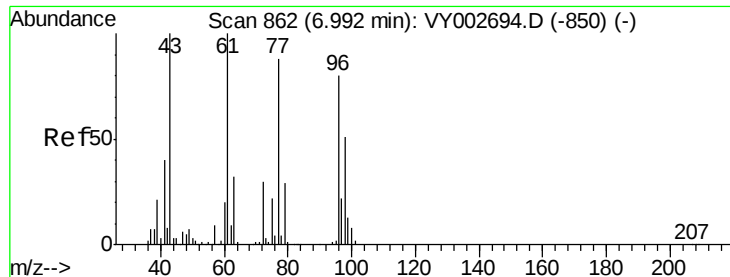
Tgt Ion: 77 Resp: 113841

Ion Ratio Lower Upper

77 100

97 24.7 12.3 36.9





#27

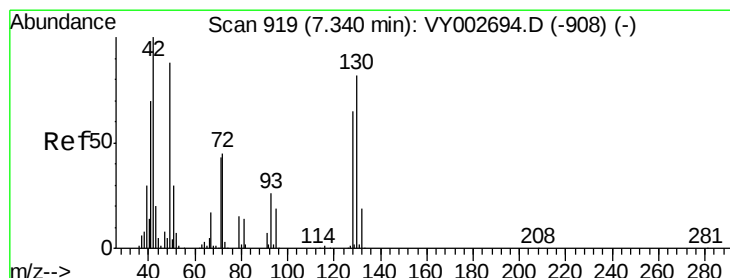
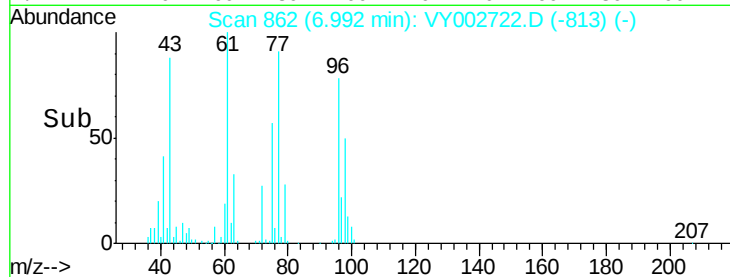
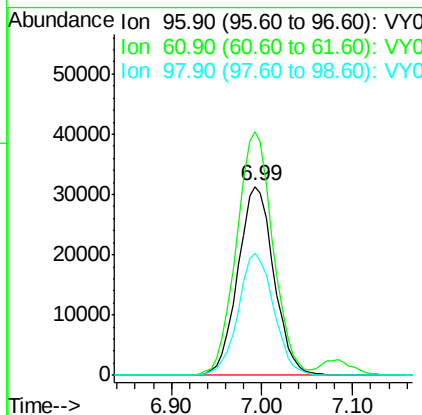
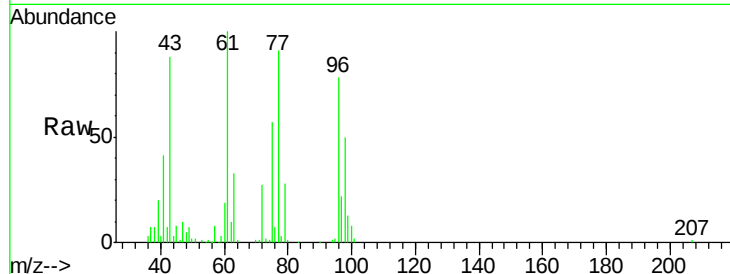
cis-1,2-Dichloroethene  
Concen: 19.858 ug/l  
RT: 6.99 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 131.1 | 0.0  | 258.0 |       |
| 98      | 63.8  | 0.0  | 128.4 |       |

Manual Integrations  
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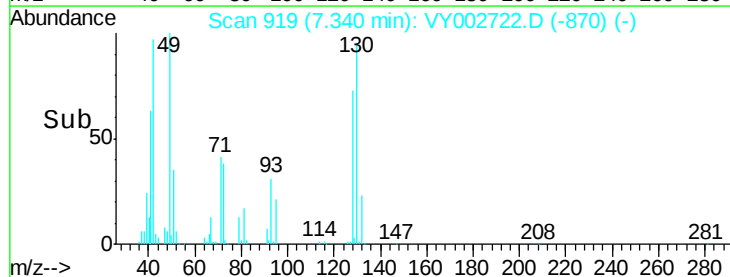
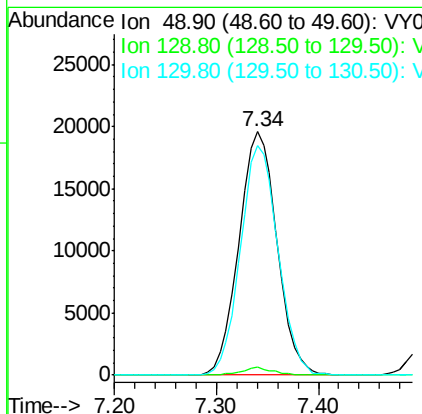
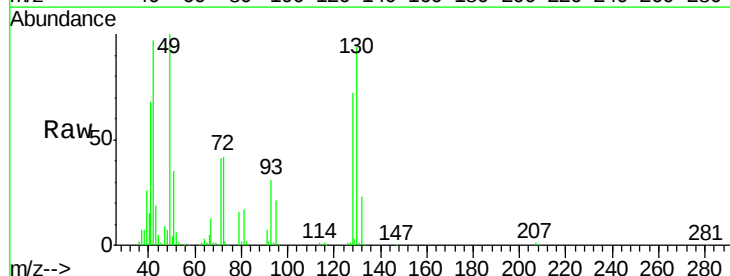
MMDadoda  
5/21/2020 1:14:38 PM

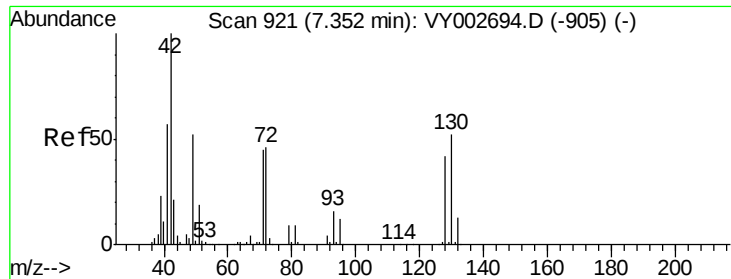


#28

Bromochloromethane  
Concen: 20.856 ug/l  
RT: 7.34 min Scan# 919  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 2.6   | 0.0  | 4.6   |       |
| 130     | 93.3  | 75.3 | 112.9 |       |





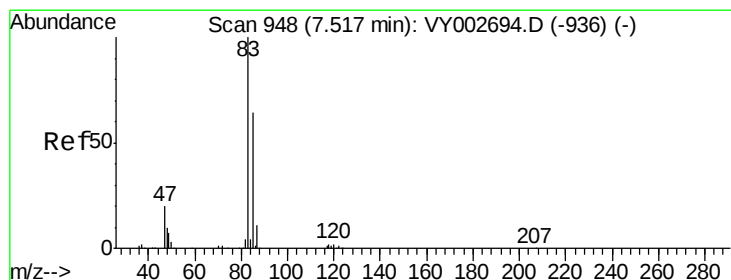
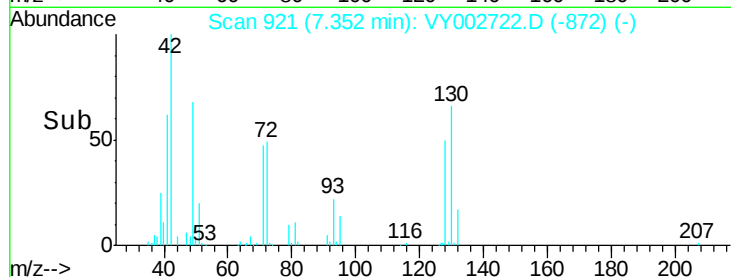
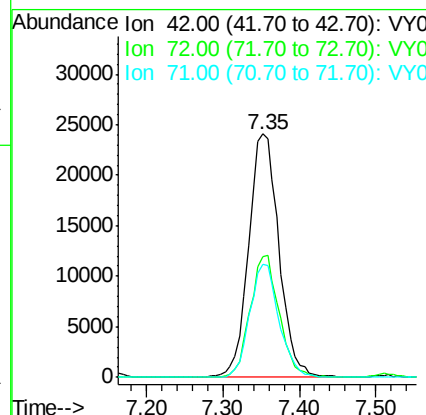
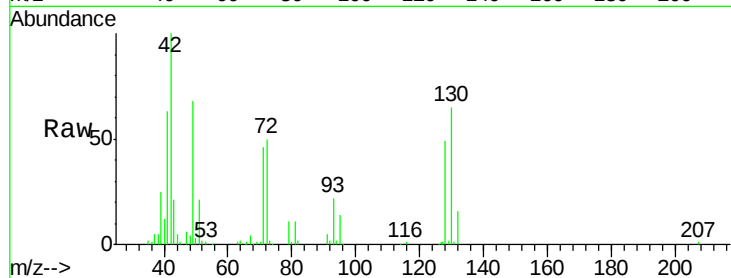
#29  
Tetrahydrofuran  
Concen: 89.036 ug/l  
RT: 7.35 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 48.0  | 38.2  | 57.2  |
| 71      | 44.7  | 35.8  | 53.8  |

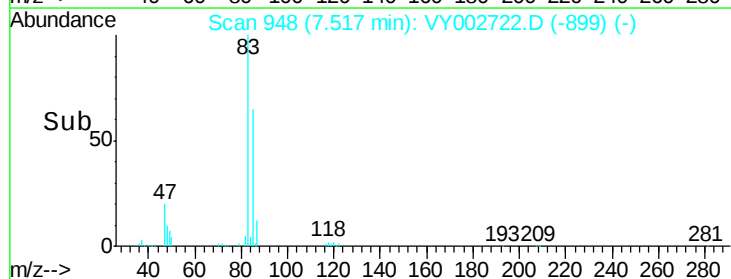
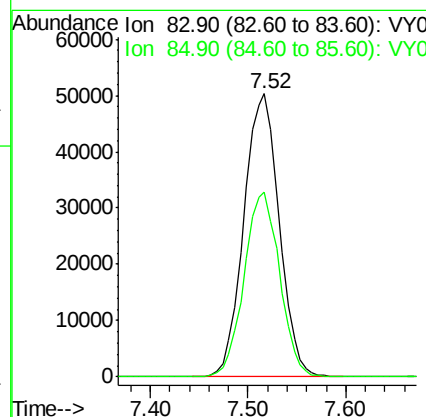
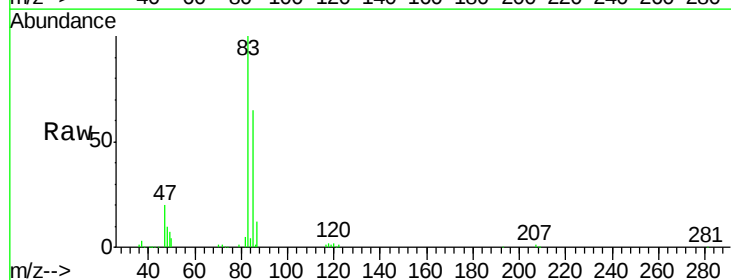
Manual Integrations  
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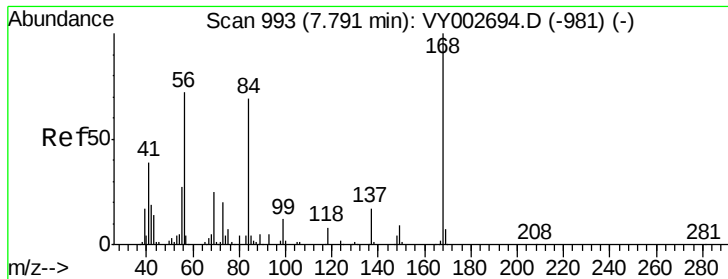
MMDadoda  
5/21/2020 1:14:38 PM



#30  
Chloroform  
Concen: 19.782 ug/l  
RT: 7.52 min Scan# 948  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.1  | 51.5  | 77.3  |





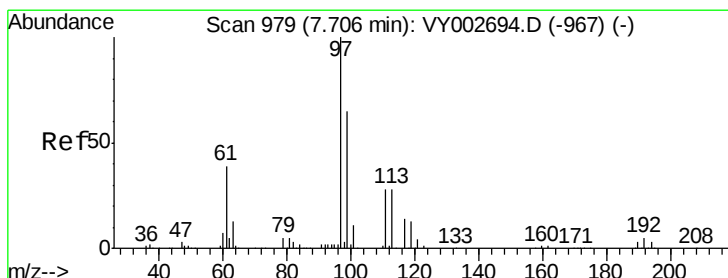
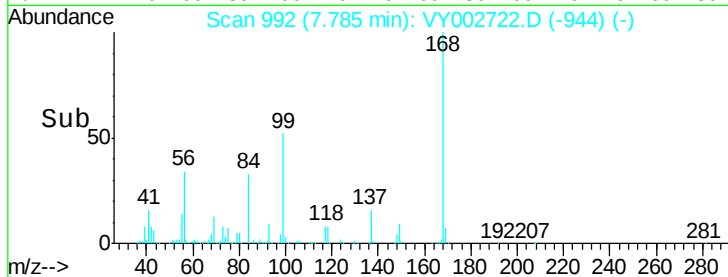
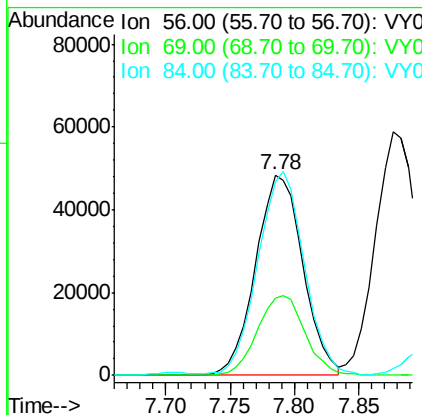
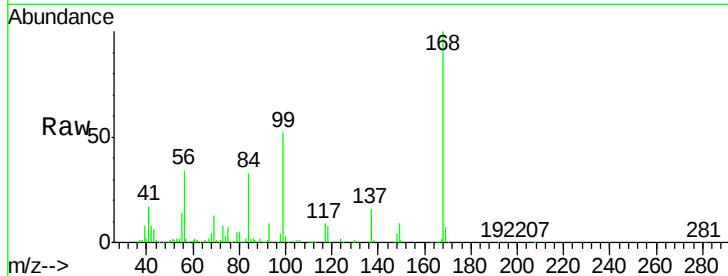
#31  
Cyclohexane  
Concen: 19.803 ug/l  
RT: 7.78 min Scan# 992  
Delta R.T. -0.01 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 38.3  | 27.7  | 41.5  |
| 84      | 95.4  | 77.0  | 115.4 |

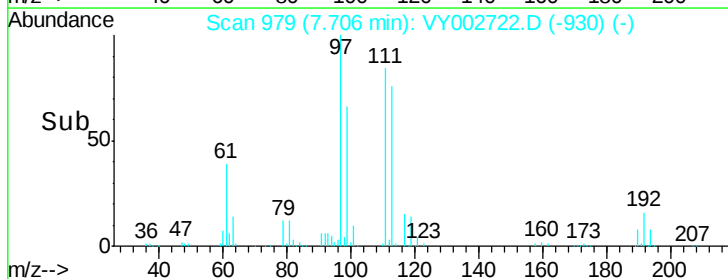
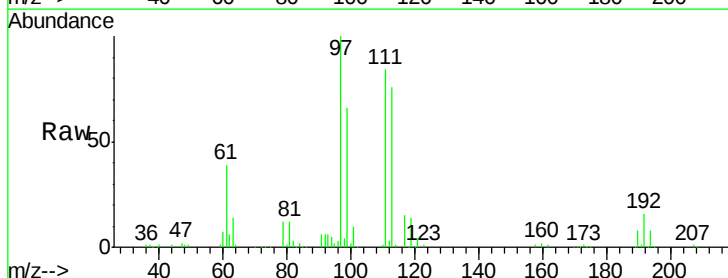
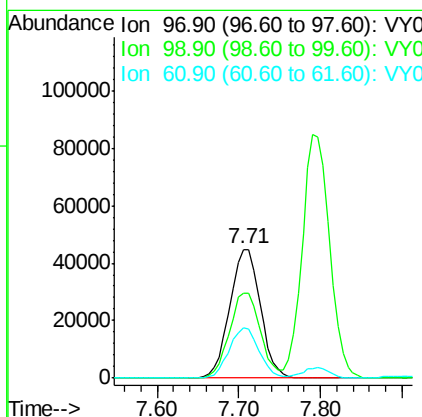
Manual Integrations  
APPROVED

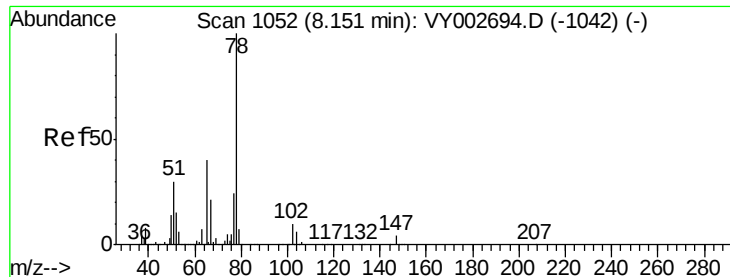
MMDadoda  
5/21/2020 1:14:38 PM



#32  
1,1,1-Trichloroethane  
Concen: 19.710 ug/l  
RT: 7.71 min Scan# 979  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 67.0  | 51.6  | 77.4  |
| 61      | 38.2  | 30.6  | 45.8  |





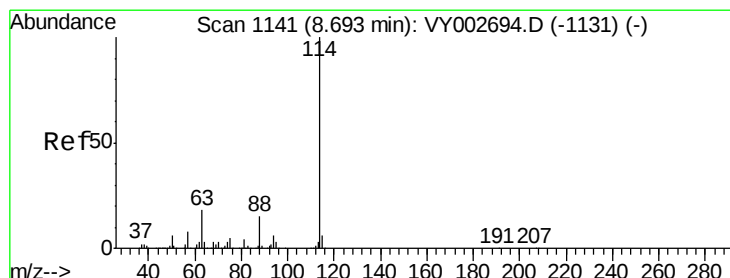
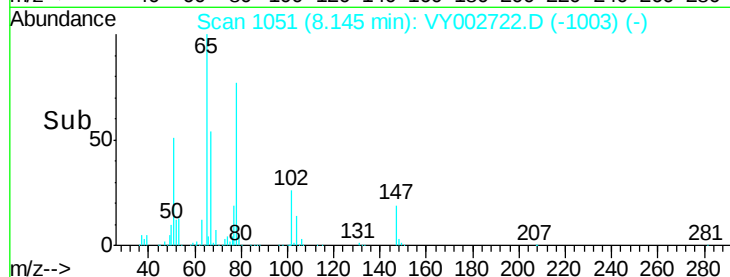
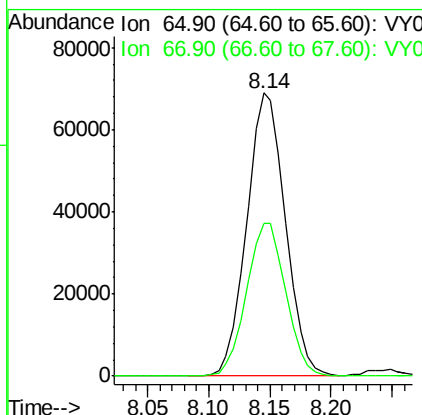
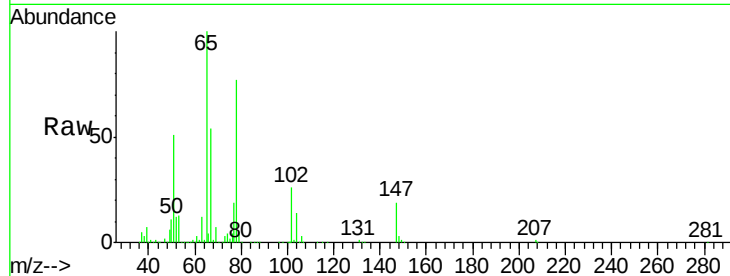
#33  
 1,2-Dichloroethane-d4  
 Concen: 47.036 ug/l  
 RT: 8.14 min Scan# 1051  
 Delta R.T. -0.01 min  
 Lab File: VY002722.D  
 Acq: 20 May 2020 11:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0520SBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 55.0  | 0.0  | 109.0 |       |

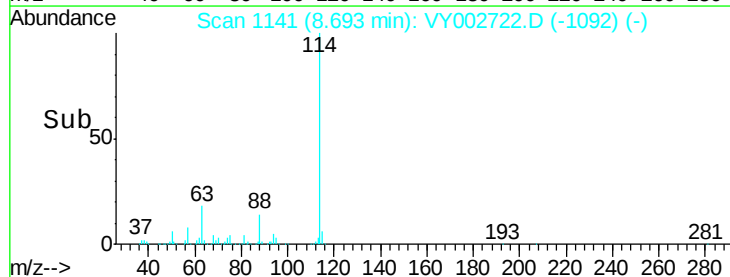
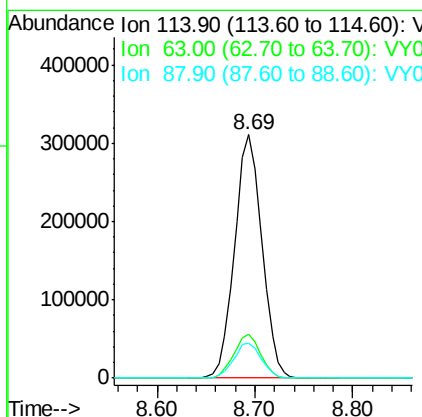
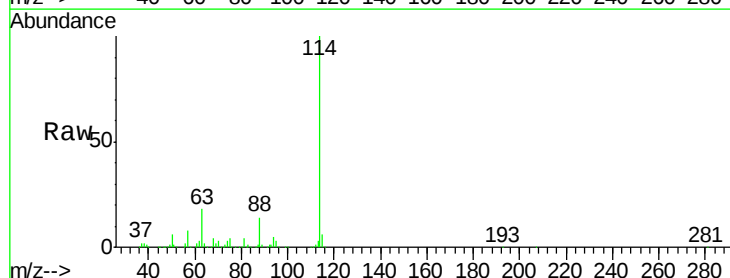
Manual Integrations  
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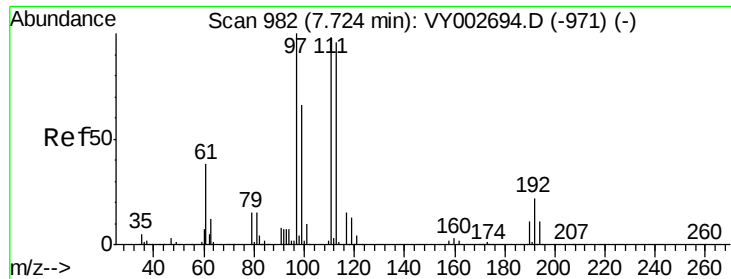
MMDadoda  
 5/21/2020 1:14:38 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: VY002722.D  
 Acq: 20 May 2020 11:38

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 18.0  | 0.0  | 35.4  |       |
| 88      | 14.2  | 0.0  | 29.4  |       |





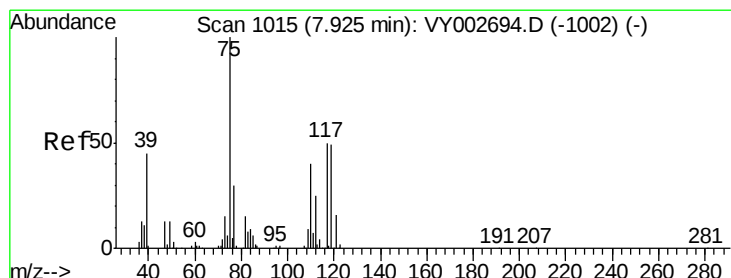
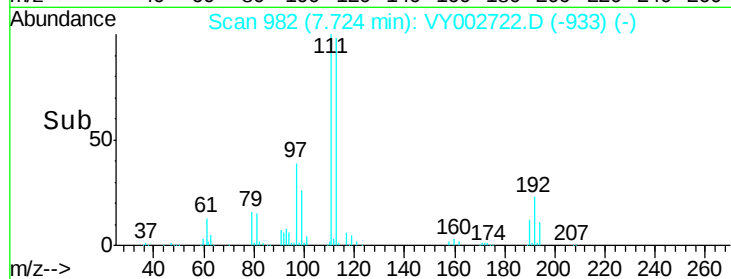
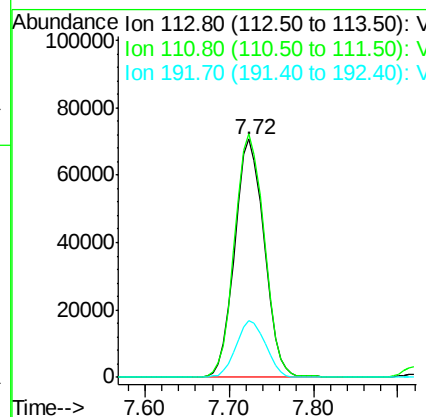
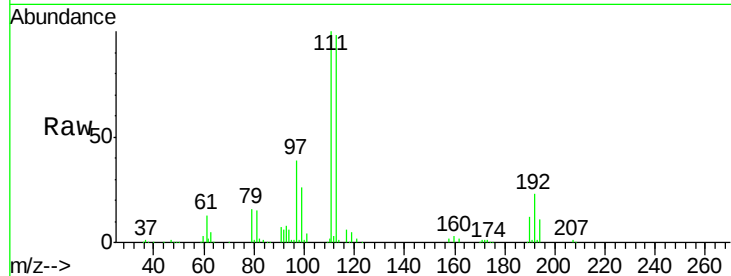
#35  
 Dibromofluoromethane  
 Concen: 50.533 ug/l  
 RT: 7.72 min Scan# 982  
 Delta R.T. 0.00 min  
 Lab File: VY002722.D  
 Acq: 20 May 2020 11:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0520SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 167957 |       |       |
| 111     | 103.1 | 81.9   | 122.9 |       |
| 192     | 23.8  | 18.6   | 27.8  |       |

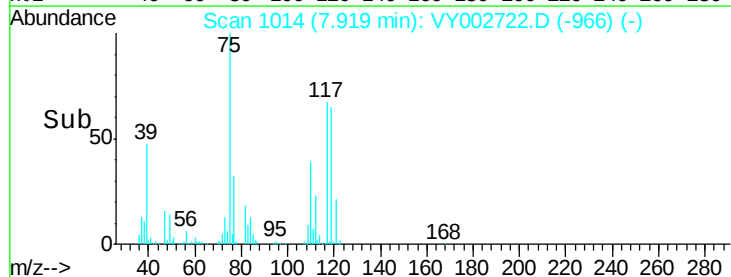
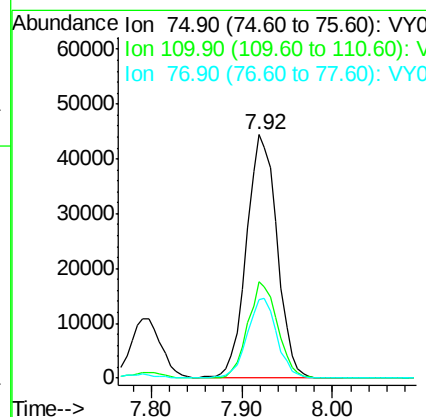
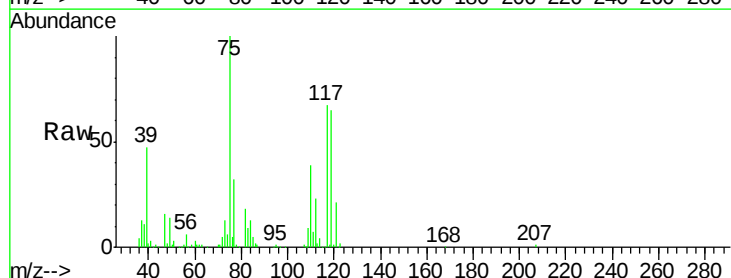
Manual Integrations  
 APPROVED

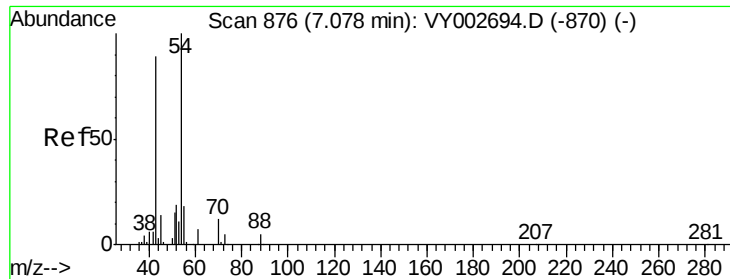
MMDadoda  
 5/21/2020 1:14:38 PM



#36  
 1,1-Dichloropropene  
 Concen: 20.314 ug/l  
 RT: 7.92 min Scan# 1014  
 Delta R.T. -0.01 min  
 Lab File: VY002722.D  
 Acq: 20 May 2020 11:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 103569 |       |       |
| 110     | 38.4  | 19.4   | 58.4  |       |
| 77      | 31.7  | 25.0   | 37.4  |       |





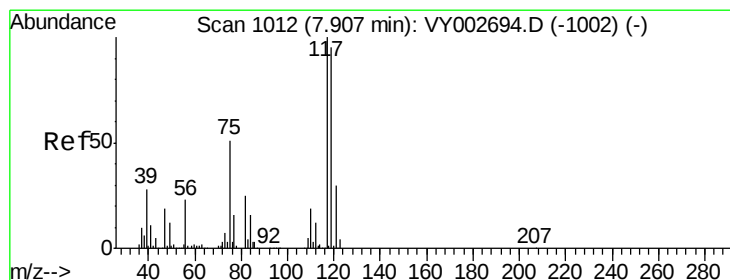
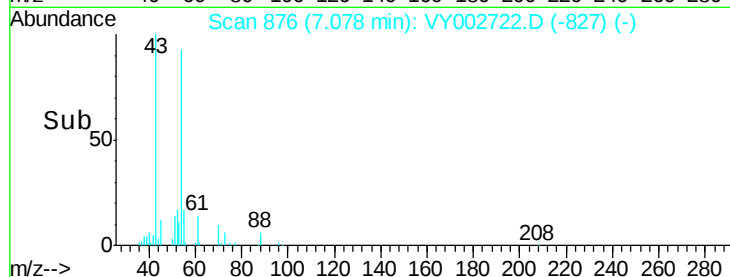
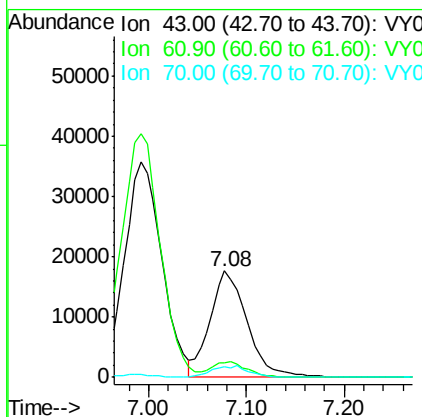
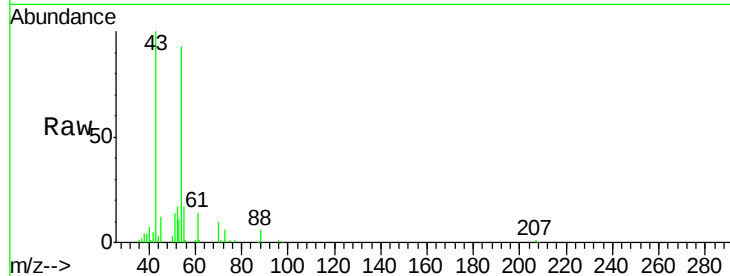
#37  
Ethyl Acetate  
Concen: 18.433 ug/l  
RT: 7.08 min Scan# 876  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.0  | 11.8  | 17.8  |
| 70      | 10.7  | 9.2   | 13.8  |

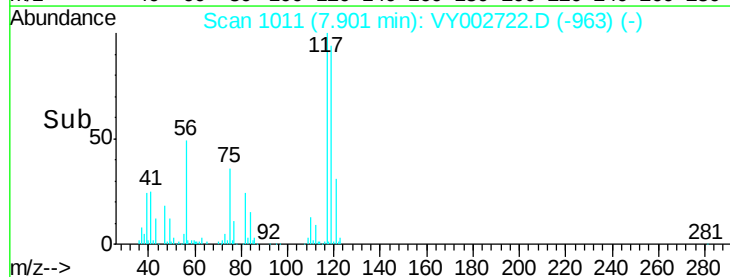
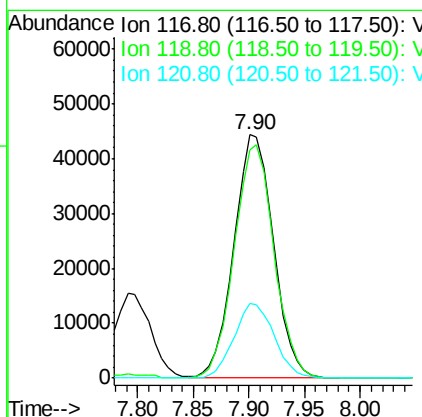
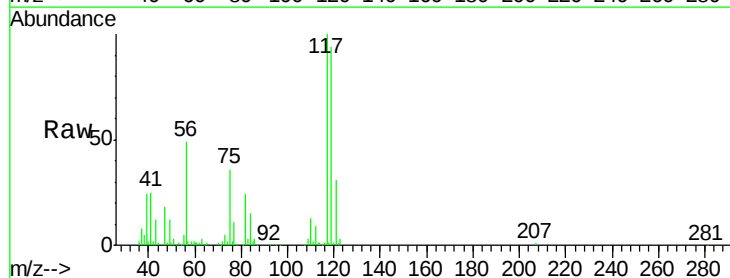
Manual Integrations  
APPROVED

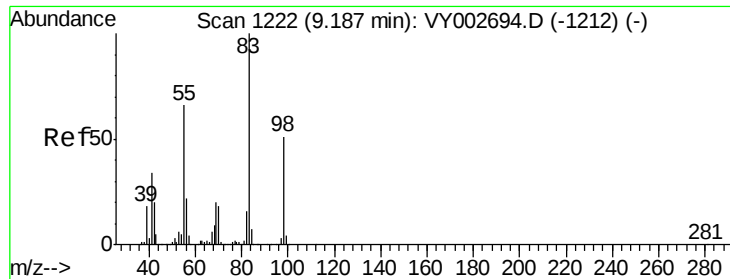
MMDadoda  
5/21/2020 1:14:38 PM



#38  
Carbon Tetrachloride  
Concen: 20.033 ug/l  
RT: 7.90 min Scan# 1011  
Delta R.T. -0.01 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 93.8  | 76.3  | 114.5 |
| 121     | 30.6  | 24.2  | 36.2  |





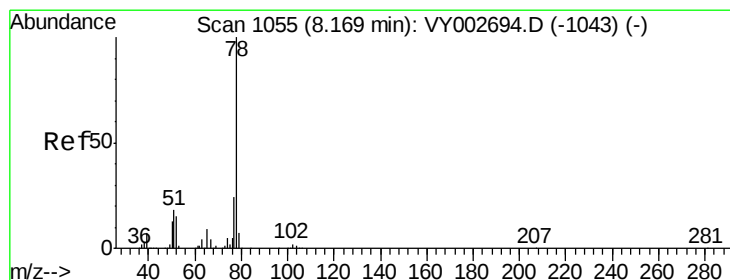
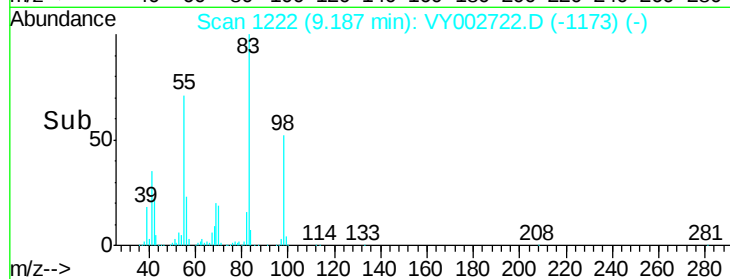
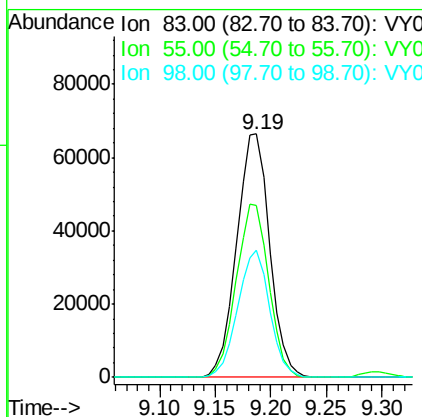
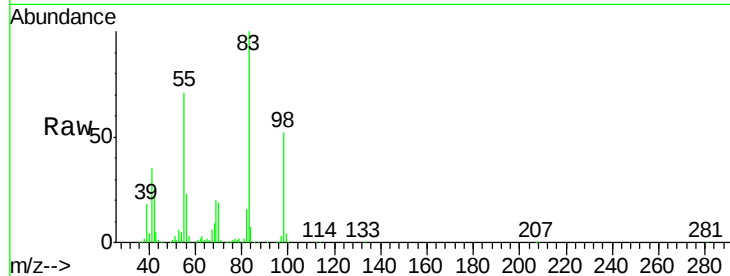
#39  
Methvlcvclohexane  
Concen: 19.935 ug/l  
RT: 9.19 min Scan# 1222  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 70.5  | 53.0  | 79.6  |
| 98      | 52.1  | 40.8  | 61.2  |

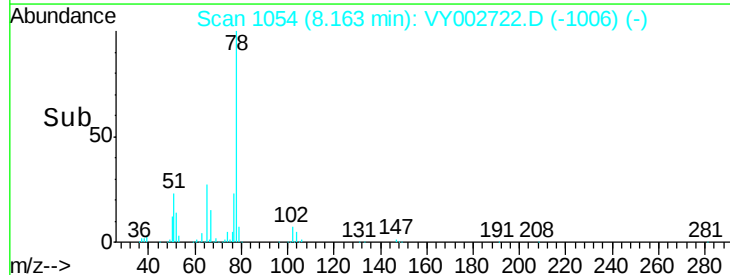
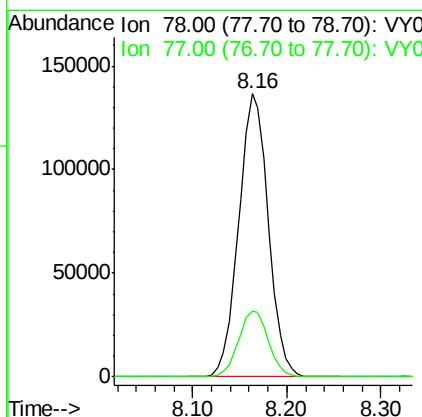
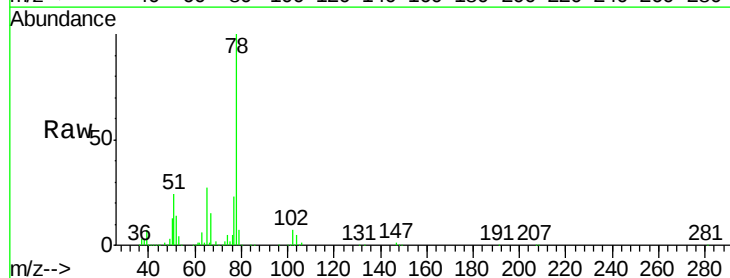
Manual Integrations  
APPROVED

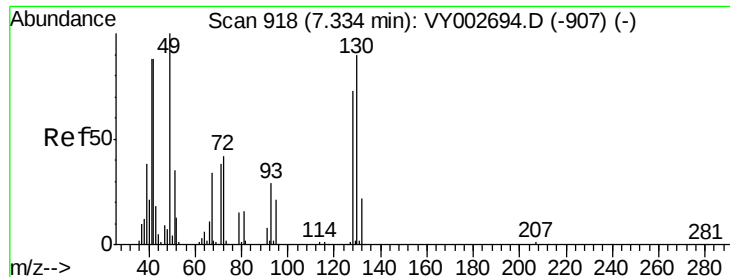
MMDadoda  
5/21/2020 1:14:38 PM



#40  
Benzene  
Concen: 20.132 ug/l  
RT: 8.16 min Scan# 1054  
Delta R.T. -0.01 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

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





#41

Methacrylonitrile

Concen: 19.200 ug/l m

RT: 7.33 min Scan# 918

Delta R.T. 0.00 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

Instrument :

MSVOA\_Y

ClientSampleId :

VY0520SBS01

Tot Ion: 41 Resp: 28926

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

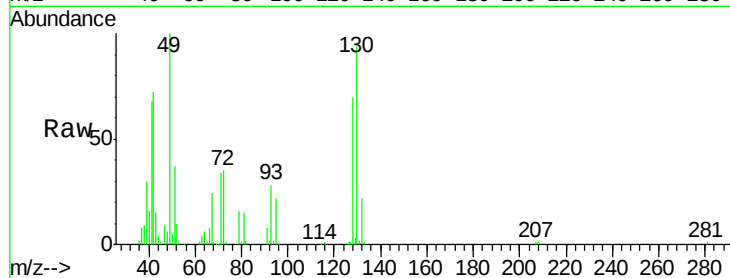
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations  
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5/21/2020 1:14:38 PM

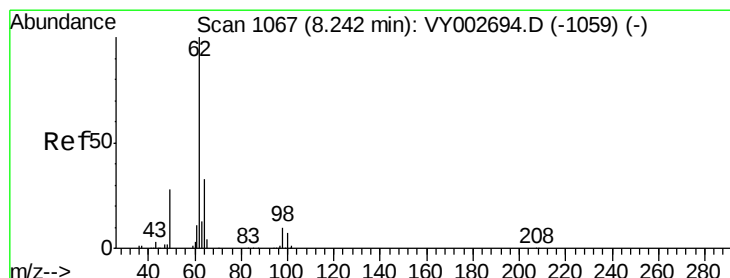
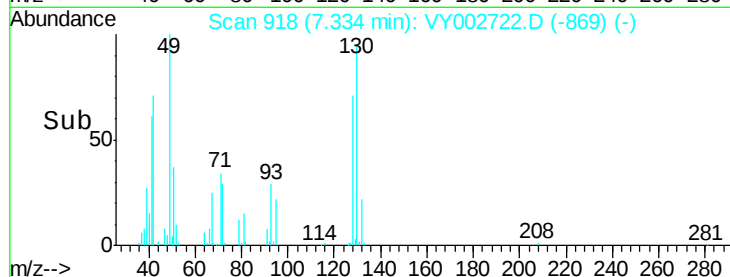
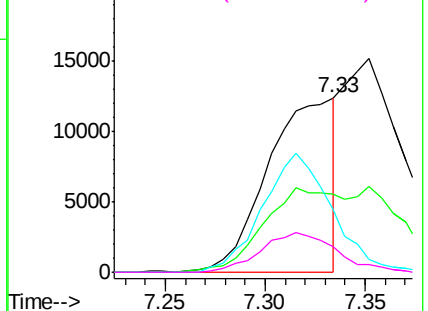


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 18.808 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY002722.D

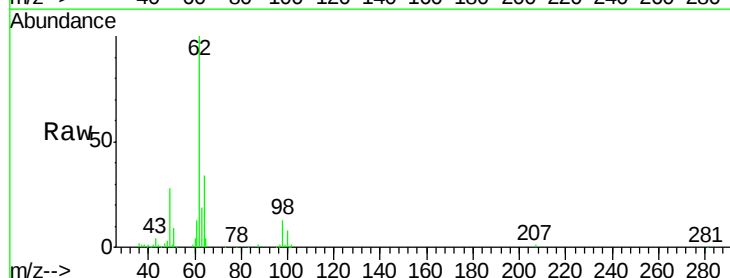
Acq: 20 May 2020 11:38

Tgt Ion: 62 Resp: 73793

Ion Ratio Lower Upper

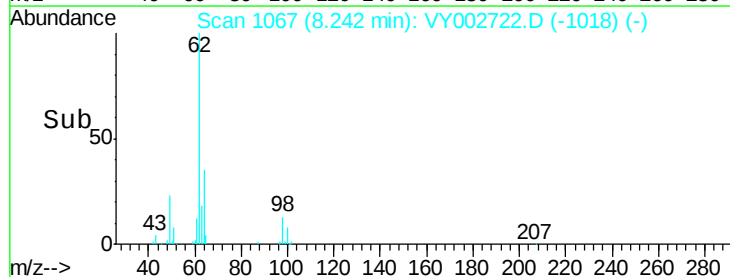
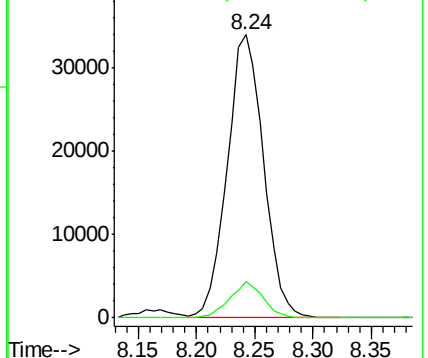
62 100

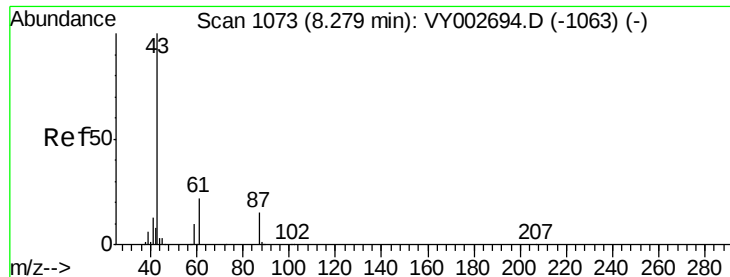
98 11.8 0.0 21.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

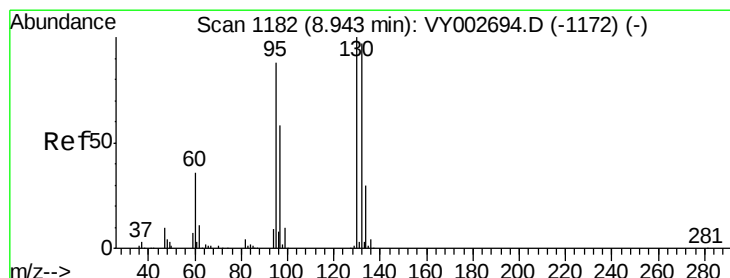
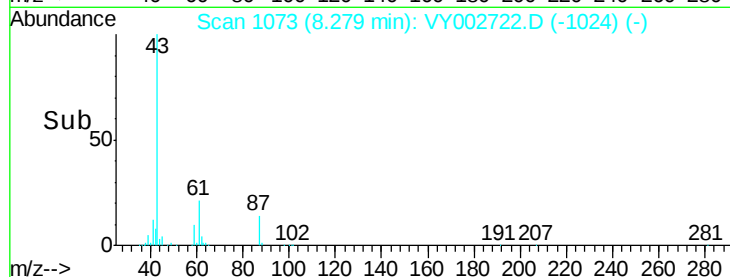
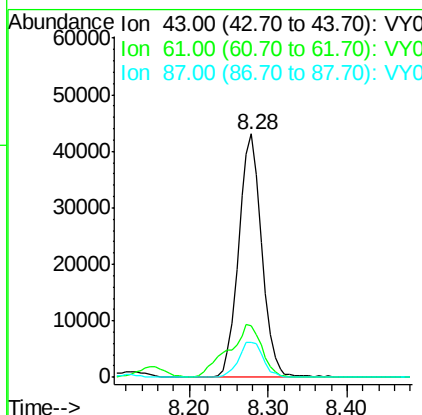
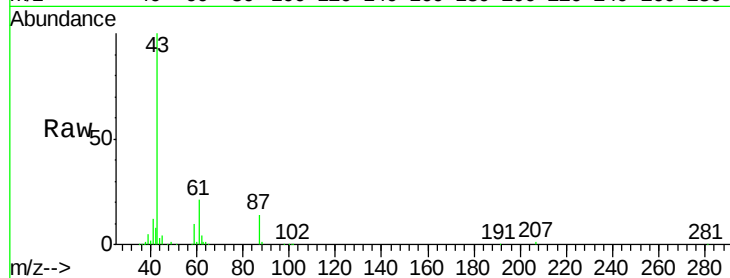
Isopropyl Acetate  
 Concen: 18.829 ug/l  
 RT: 8.28 min Scan# 1073  
 Delta R.T. 0.00 min  
 Lab File: VY002722.D  
 Acq: 20 May 2020 11:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 31.6  | 24.9  | 37.3  |
| 87      | 15.4  | 12.6  | 19.0  |

Manual Integrations  
 APPROVED

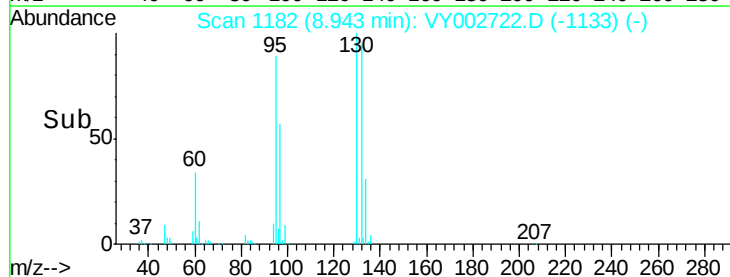
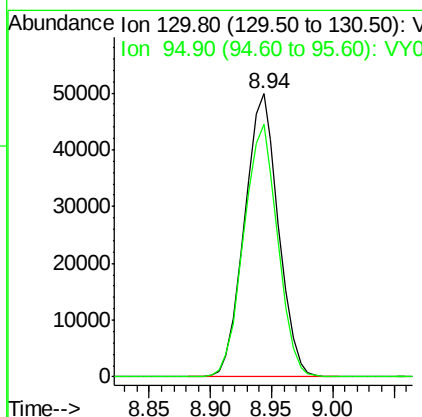
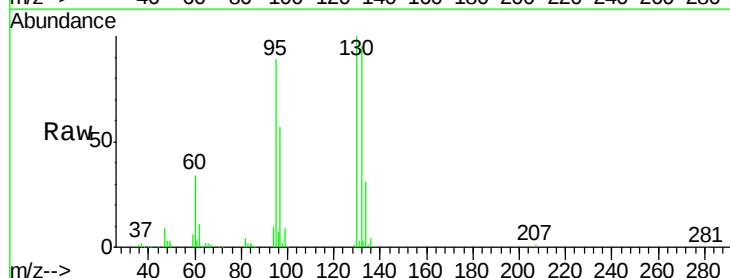
MMDadoda  
 5/21/2020 1:14:38 PM

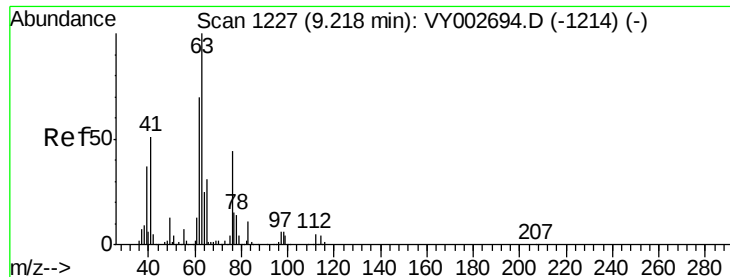


#44

Trichloroethene  
 Concen: 20.246 ug/l  
 RT: 8.94 min Scan# 1182  
 Delta R.T. 0.00 min  
 Lab File: VY002722.D  
 Acq: 20 May 2020 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 89.2  | 0.0   | 176.4 |





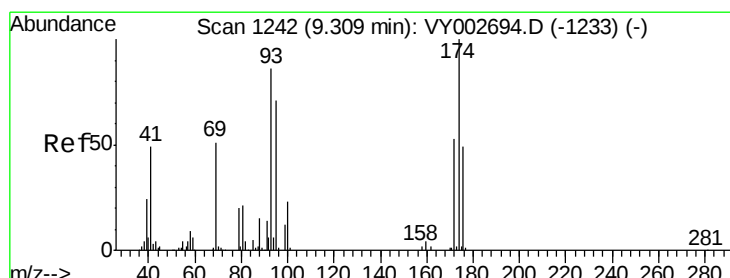
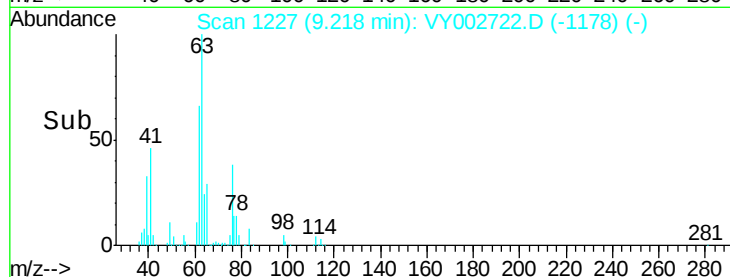
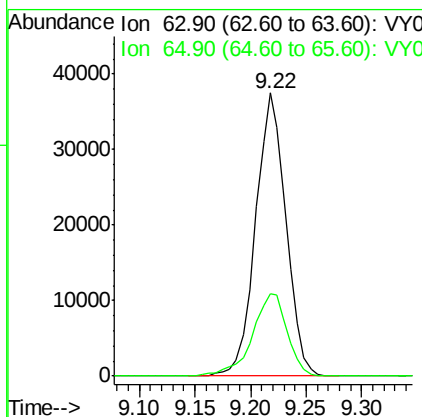
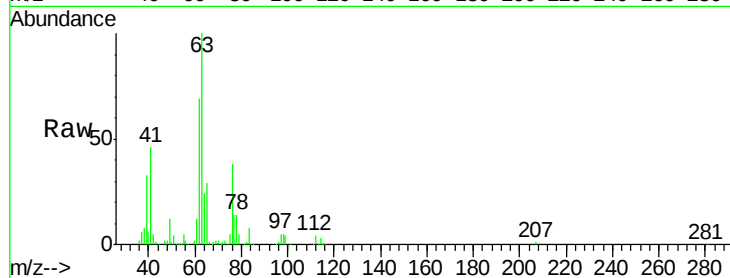
#45  
 1,2-Dichloropropane  
 Concen: 20.151 ug/l  
 RT: 9.22 min Scan# 1227  
 Delta R.T. 0.00 min  
 Lab File: VY002722.D  
 Acq: 20 May 2020 11:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0520SBS01

Tot Ion: 63 Resp: 71146  
 Ion Ratio Lower Upper  
 63 100  
 65 29.1 24.7 37.1

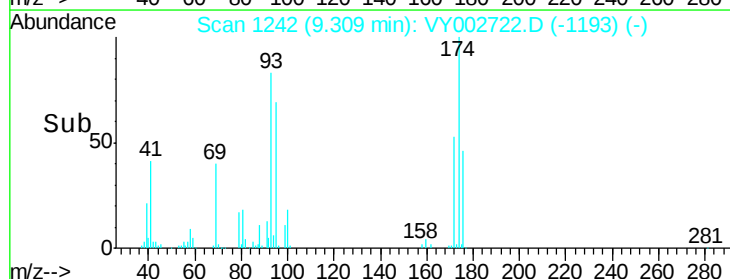
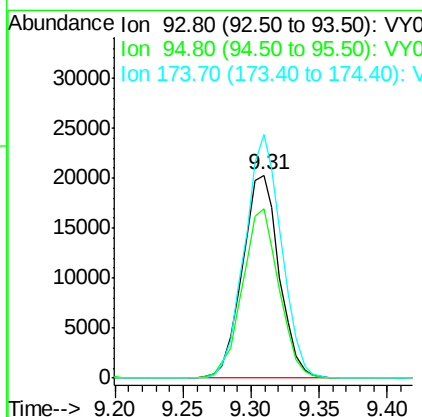
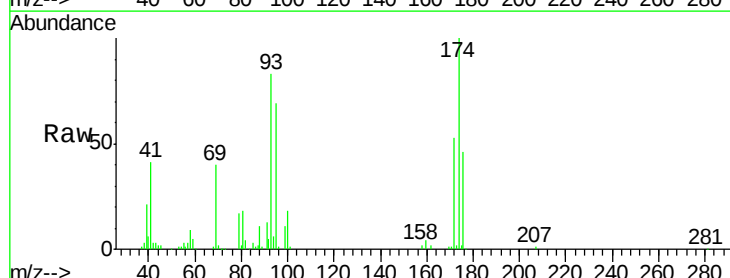
Manual Integrations  
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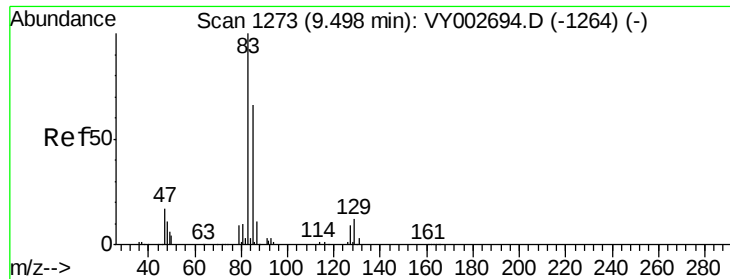
MMDadoda  
 5/21/2020 1:14:38 PM



#46  
 Dibromomethane  
 Concen: 19.369 ug/l  
 RT: 9.31 min Scan# 1242  
 Delta R.T. 0.00 min  
 Lab File: VY002722.D  
 Acq: 20 May 2020 11:38

Tgt Ion: 93 Resp: 38420  
 Ion Ratio Lower Upper  
 93 100  
 95 82.7 66.5 99.7  
 174 119.5 95.6 143.4





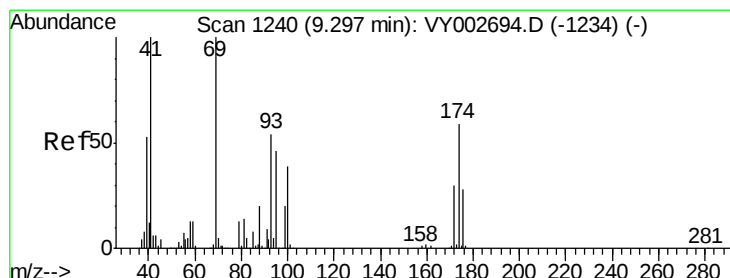
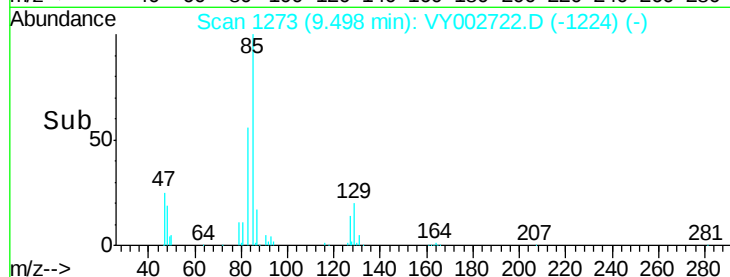
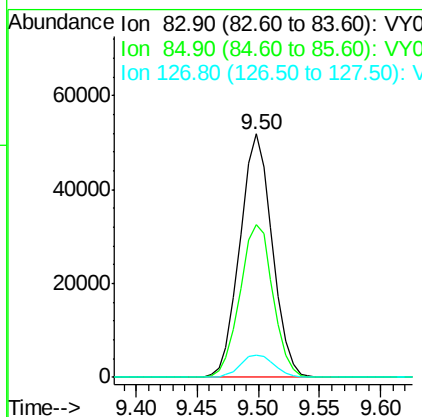
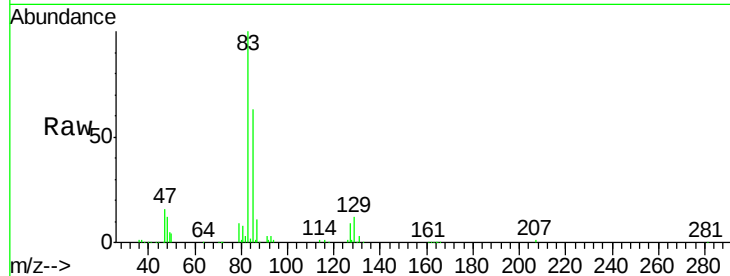
#47  
Bromodichloromethane  
Concen: 19.571 ug/l  
RT: 9.50 min Scan# 1273  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBS01

| Tot Ion   | 83   | Resp  | 94745 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 62.6 | 52.4  | 78.6  |
| 127       | 9.0  | 7.6   | 11.4  |

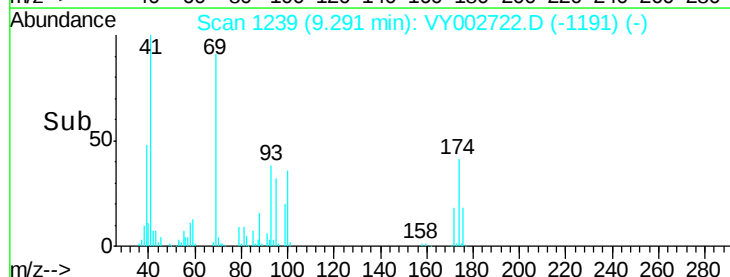
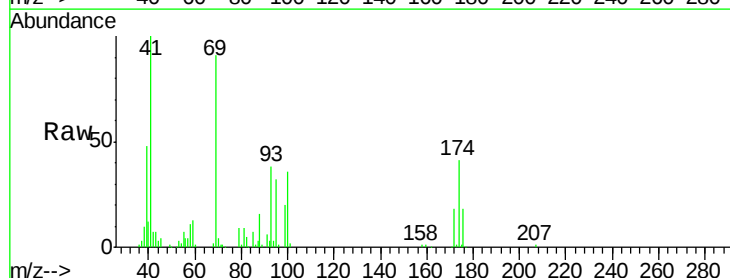
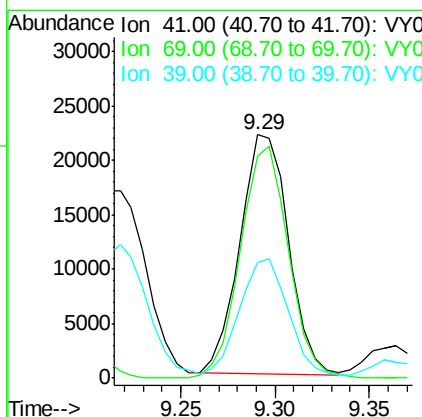
Manual Integrations  
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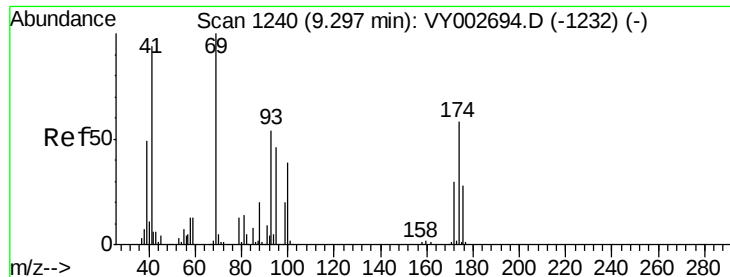
MMDadoda  
5/21/2020 1:14:38 PM



#48  
Methyl methacrylate  
Concen: 18.329 ug/l  
RT: 9.29 min Scan# 1239  
Delta R.T. -0.01 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

| Tgt Ion   | 41   | Resp  | 39328 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 69        | 96.1 | 78.7  | 118.1 |
| 39        | 49.0 | 42.9  | 64.3  |





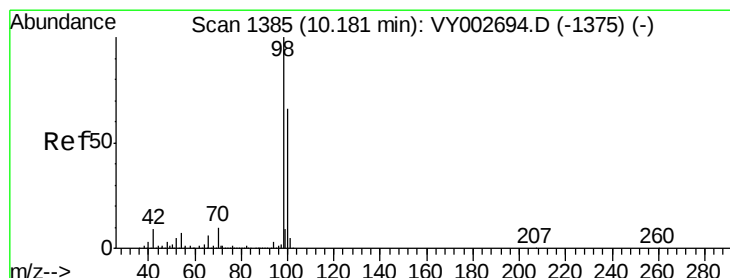
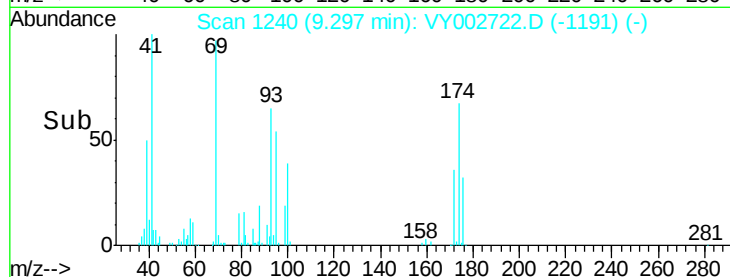
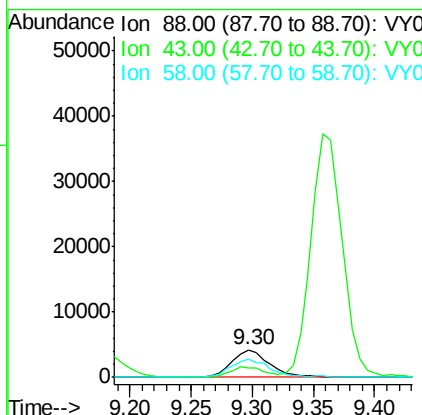
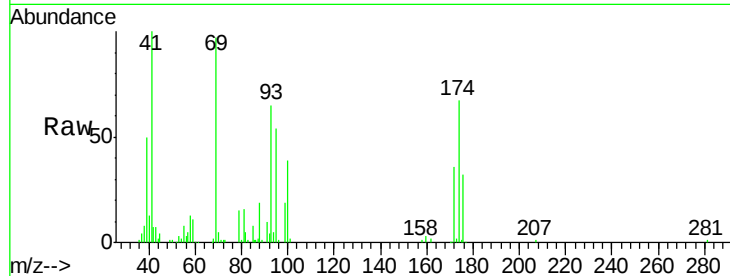
#49  
1,4-Dioxane  
Concen: 328.327 ug/l  
RT: 9.30 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBS01

| Tot Ion | 88    | Resp  | 8870  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 35.7  | 23.4  | 35.0# |
| 58      | 69.2  | 54.5  | 81.7  |

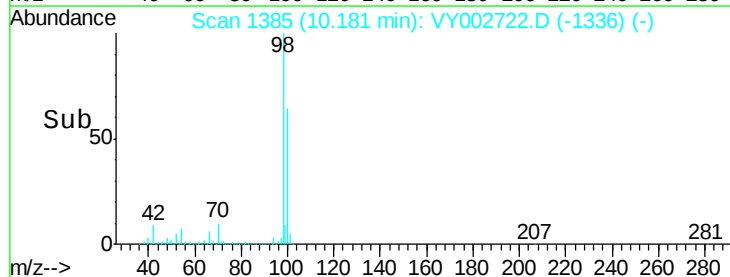
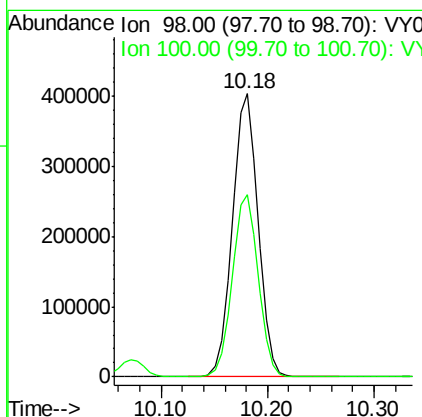
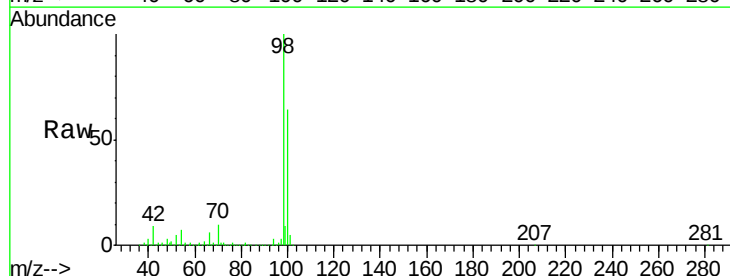
Manual Integrations  
APPROVED

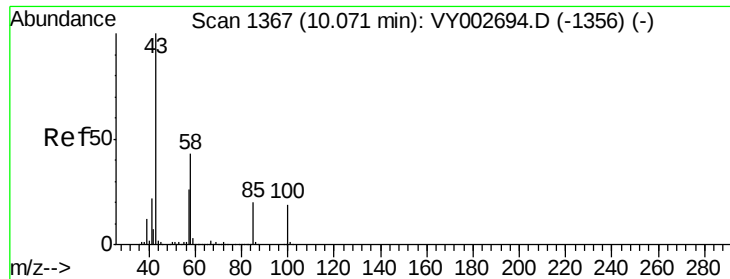
MMDadoda  
5/21/2020 1:14:38 PM



#50  
Toluene-d8  
Concen: 50.938 ug/l  
RT: 10.18 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

| Tgt Ion | 98    | Resp  | 681622 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 65.1  | 52.3  | 78.5   |





#51

4-Methyl-2-Pentanone

Concen: 92.207 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

Instrument :

MSVOA\_Y

ClientSampleId :

VY0520SBS01

Tot Ion: 43 Resp: 221858

Ion Ratio Lower Upper

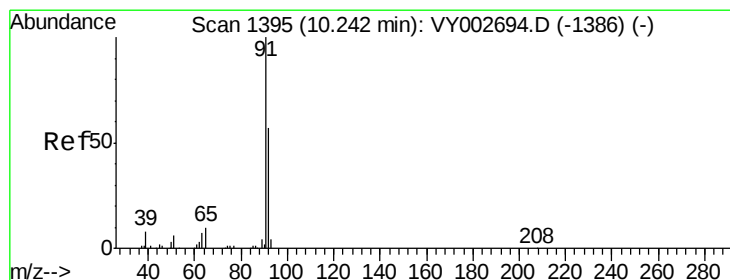
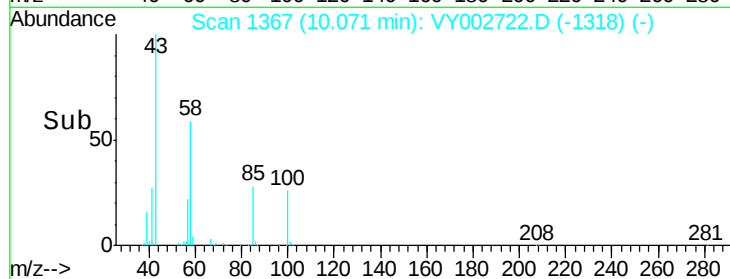
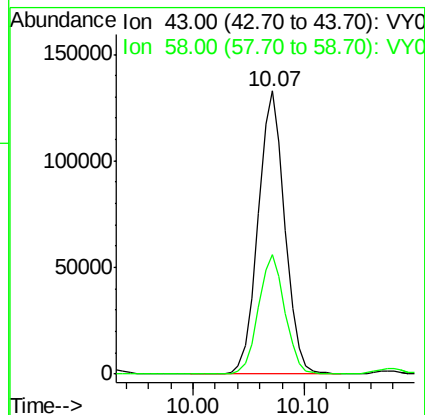
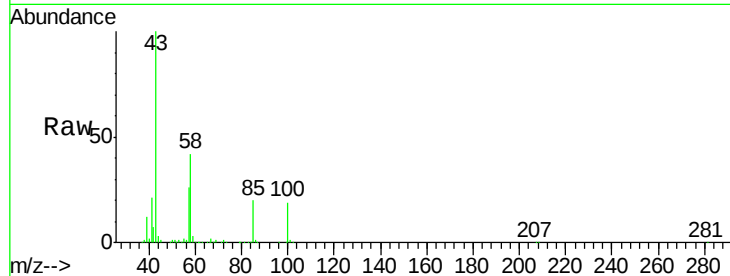
43 100

58 41.8 34.1 51.1

Manual Integrations  
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5/21/2020 1:14:38 PM



#52

Toluene

Concen: 19.788 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY002722.D

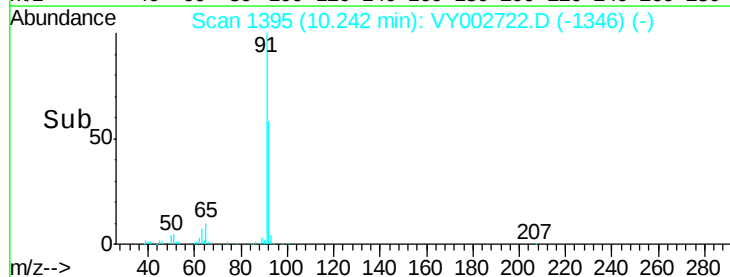
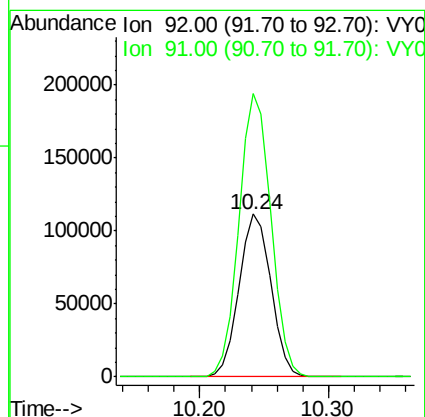
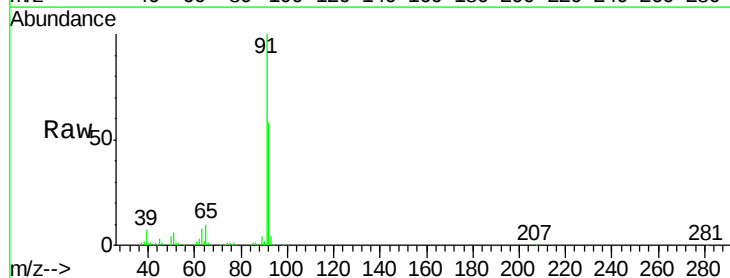
Acq: 20 May 2020 11:38

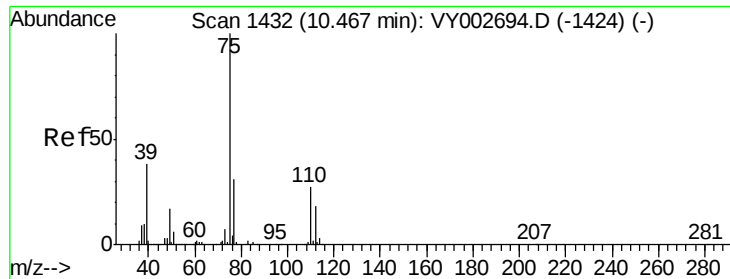
Tgt Ion: 92 Resp: 190495

Ion Ratio Lower Upper

92 100

91 174.3 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 19.194 ug/l

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

Instrument :

MSVOA\_Y

ClientSampleId :

VY0520SBS01

Tot Ion: 75 Resp: 99178

Ion Ratio Lower Upper

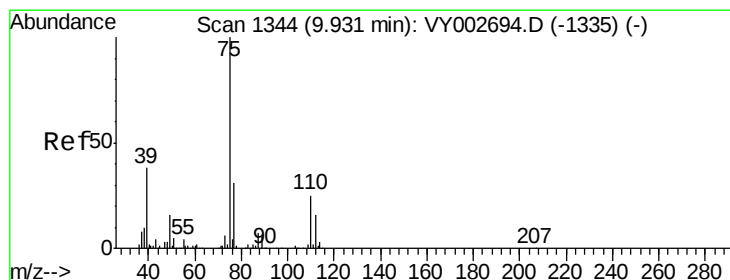
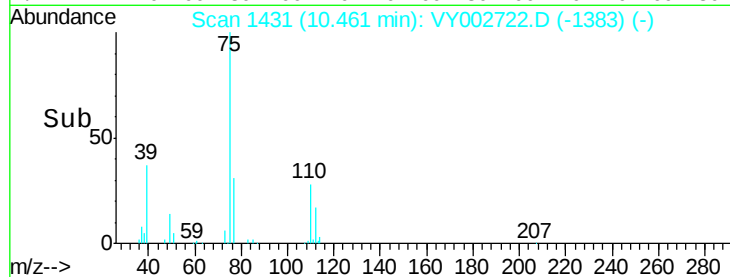
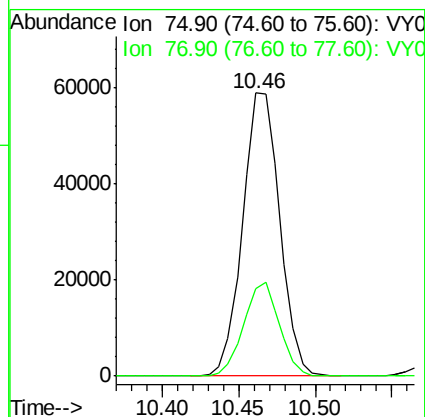
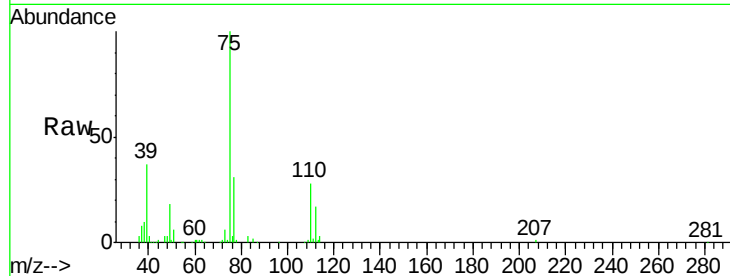
75 100

77 31.0 25.1 37.7

Manual Integrations  
APPROVED

MMDadoda

5/21/2020 1:14:38 PM



#54

cis-1,3-Dichloropropene

Concen: 19.758 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

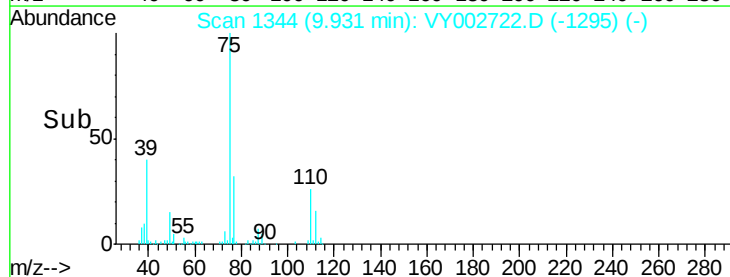
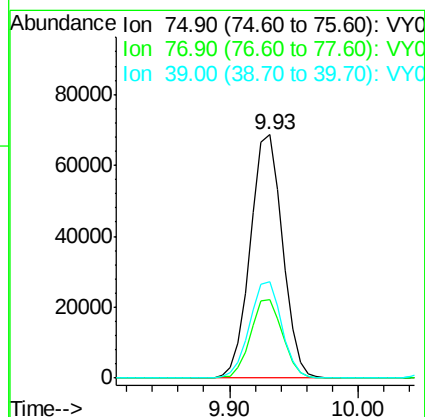
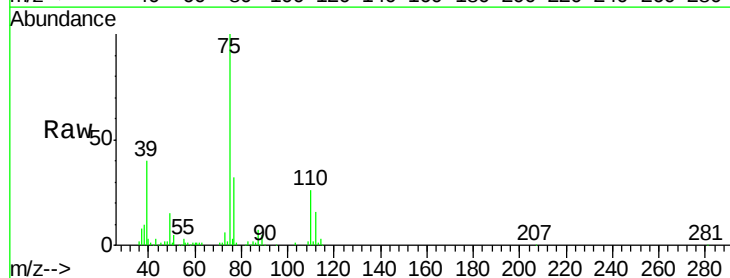
Tgt Ion: 75 Resp: 118352

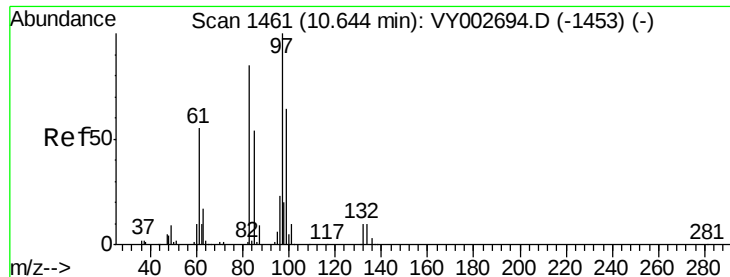
Ion Ratio Lower Upper

75 100

77 32.3 24.8 37.2

39 39.6 30.7 46.1





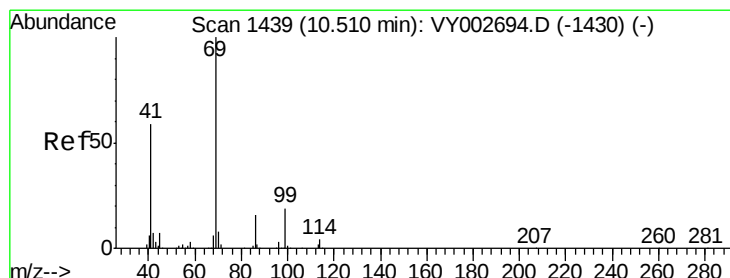
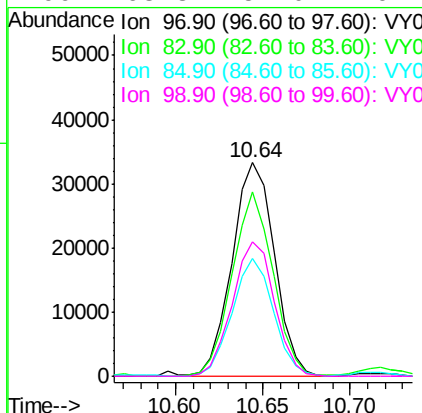
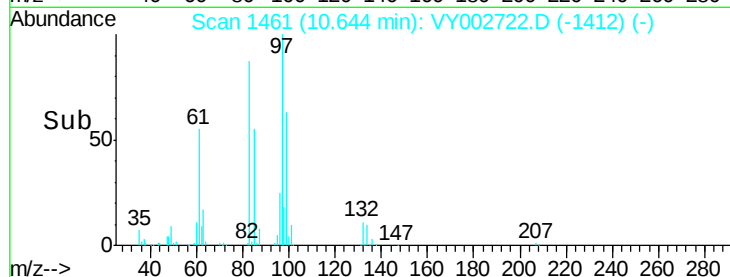
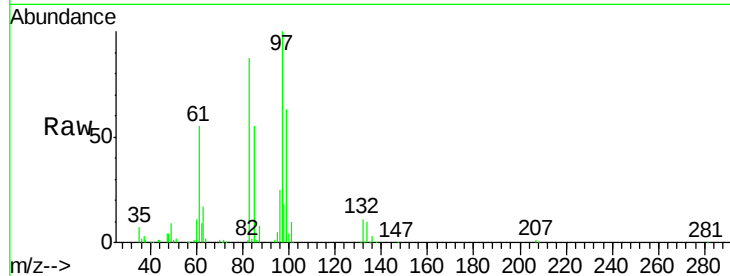
#55  
 1,1,2-Trichloroethane  
 Concen: 18.888 ug/l  
 RT: 10.64 min Scan# 1461  
 Delta R.T. 0.00 min  
 Lab File: VY002722.D  
 Acq: 20 May 2020 11:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0520SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 55778 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.4  | 68.1  | 102.1 |
| 85       | 54.9  | 43.1  | 64.7  |
| 99       | 63.3  | 51.0  | 76.4  |

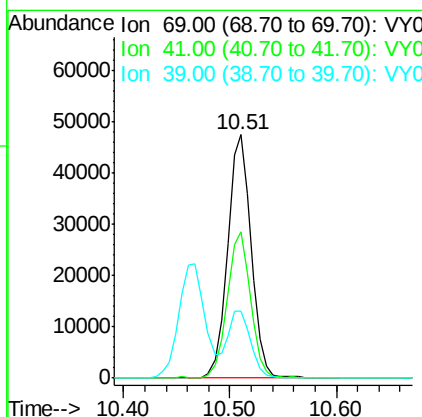
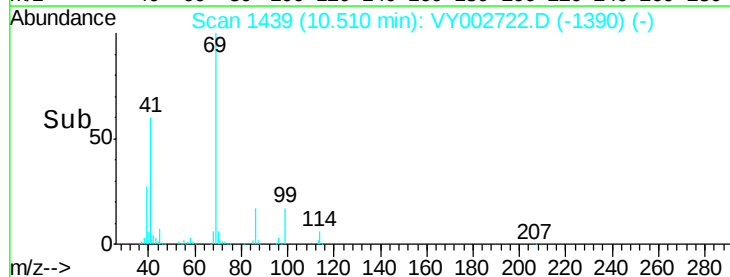
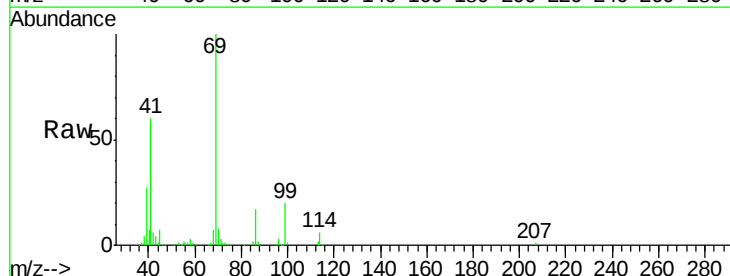
Manual Integrations  
 APPROVED

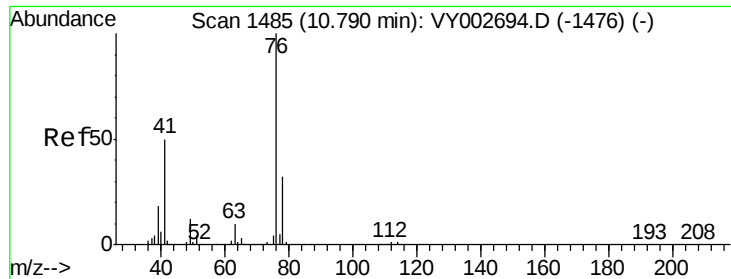
MMDadoda  
 5/21/2020 1:14:38 PM



#56  
 Ethyl methacrylate  
 Concen: 18.596 ug/l  
 RT: 10.51 min Scan# 1439  
 Delta R.T. 0.00 min  
 Lab File: VY002722.D  
 Acq: 20 May 2020 11:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 73110 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 59.1  | 48.0  | 72.0  |
| 39       | 27.8  | 22.1  | 33.1  |





#57

1,3-Dichloropropane

Concen: 19.277 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

Instrument :

MSVOA\_Y

ClientSampleId :

VY0520SBS01

Tot Ion: 76 Resp: 95399

Ion Ratio Lower Upper

76 100

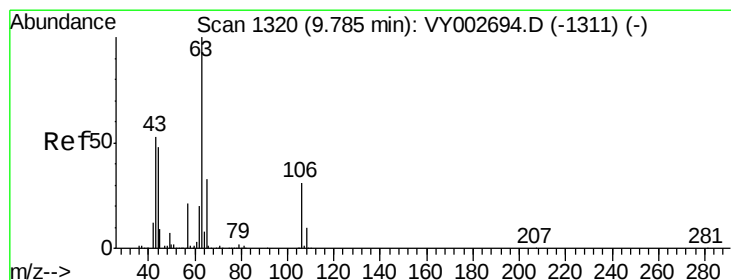
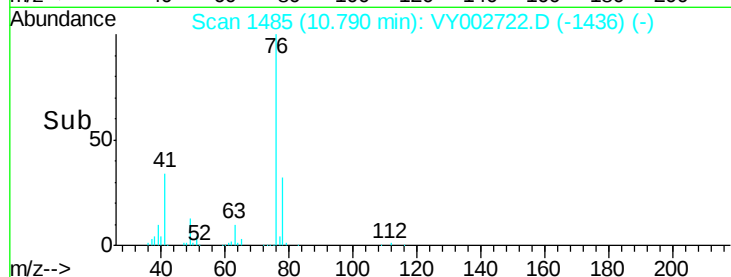
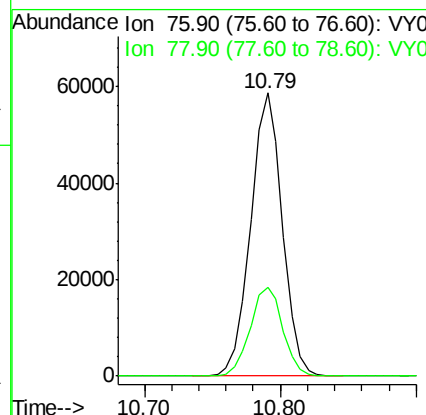
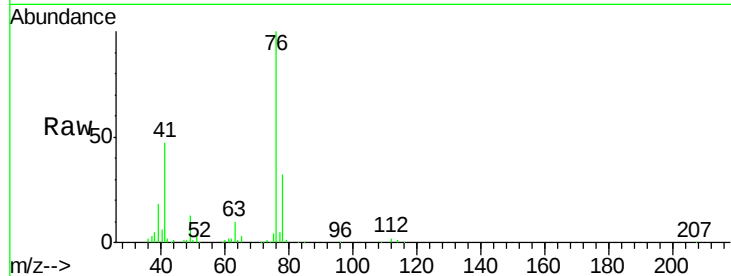
78 32.5 26.2 39.4

Manual Integrations

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MMDadoda

5/21/2020 1:14:38 PM



#58

2-Chloroethyl Vinyl ether

Concen: 92.961 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY002722.D

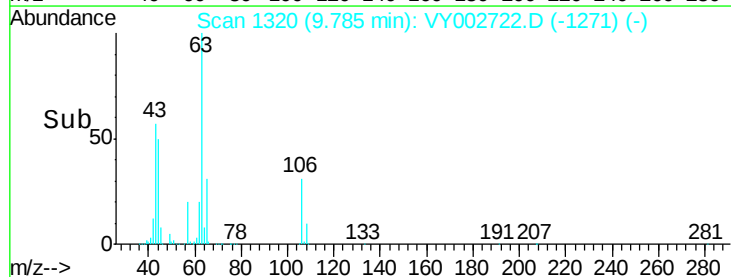
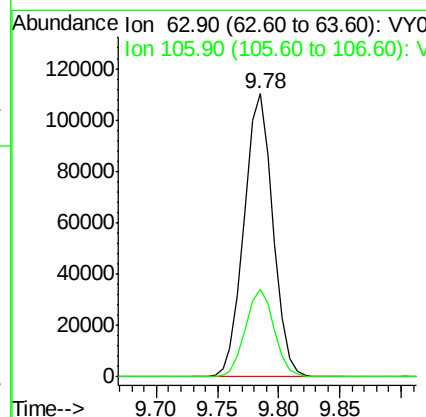
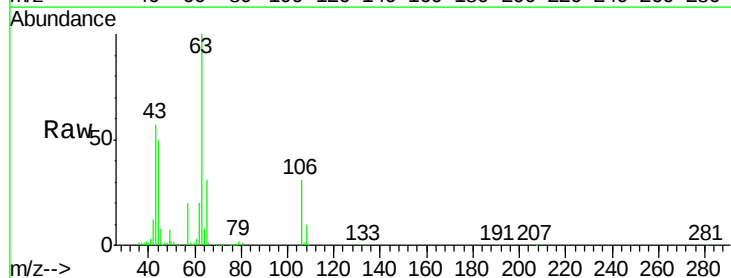
Acq: 20 May 2020 11:38

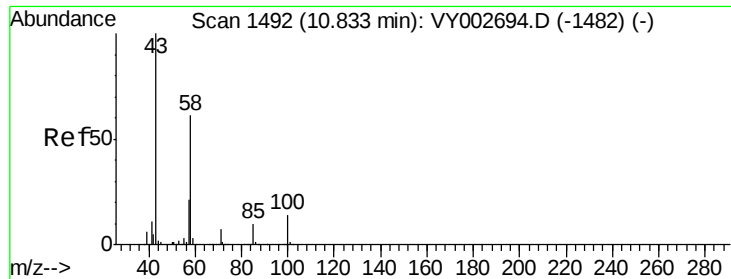
Tgt Ion: 63 Resp: 180423

Ion Ratio Lower Upper

63 100

106 31.0 25.1 37.7





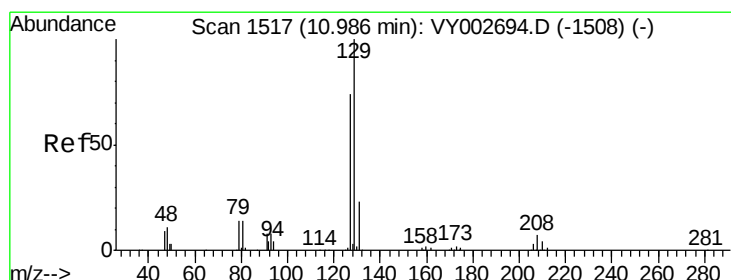
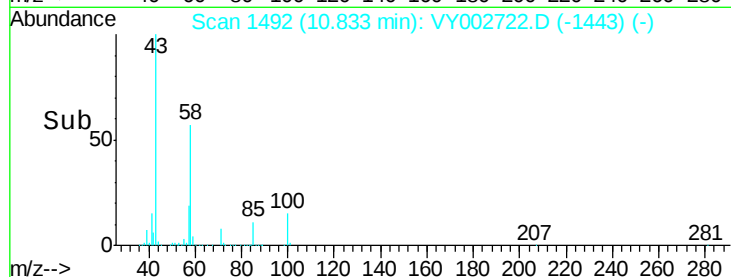
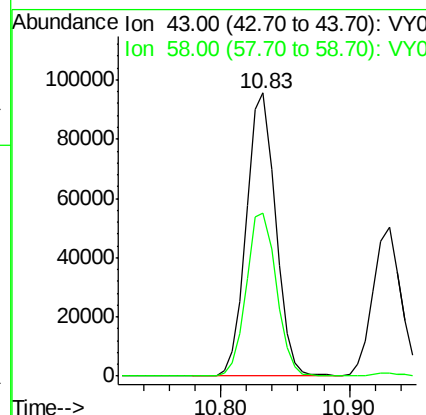
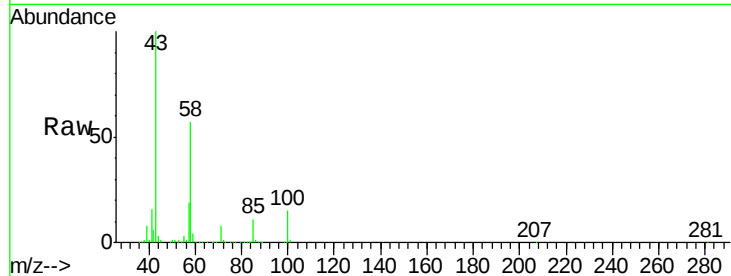
#59  
2-Hexanone  
Concen: 89.358 ug/l  
RT: 10.83 min Scan# 1492  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBS01

Tot Ion: 43 Resp: 149792  
Ion Ratio Lower Upper  
43 100  
58 59.1 29.8 89.4

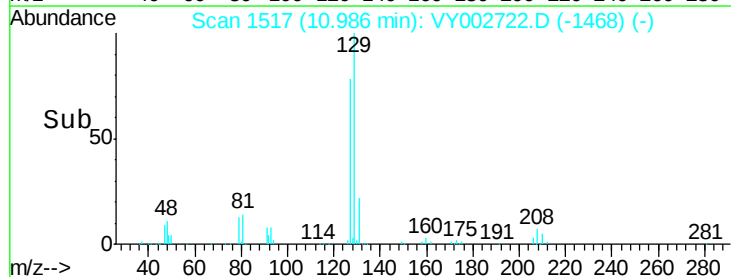
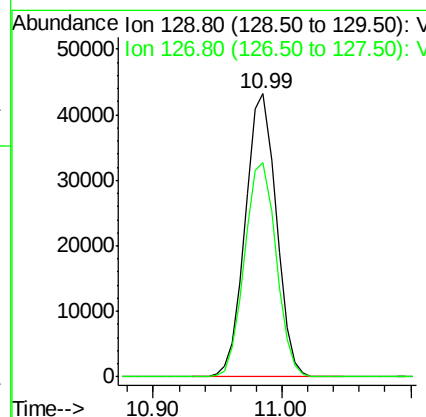
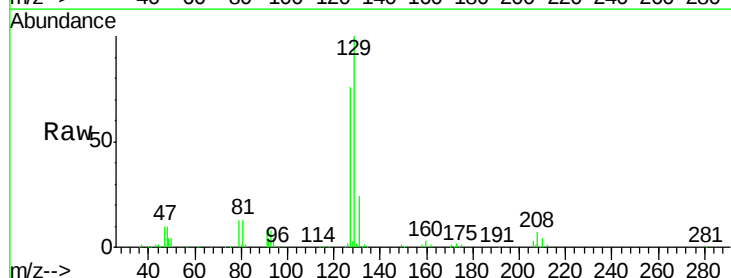
Manual Integrations  
APPROVED

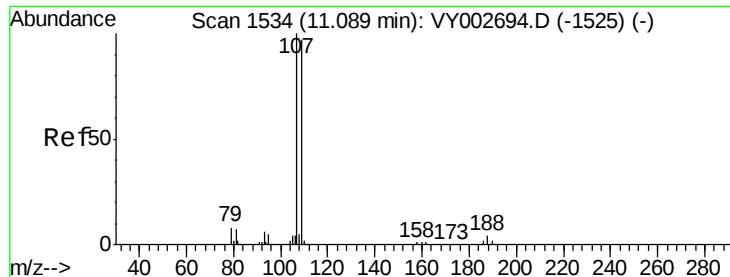
MMDadoda  
5/21/2020 1:14:38 PM



#60  
Dibromochloromethane  
Concen: 19.056 ug/l  
RT: 10.99 min Scan# 1517  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Tgt Ion: 129 Resp: 71892  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.5 115.3





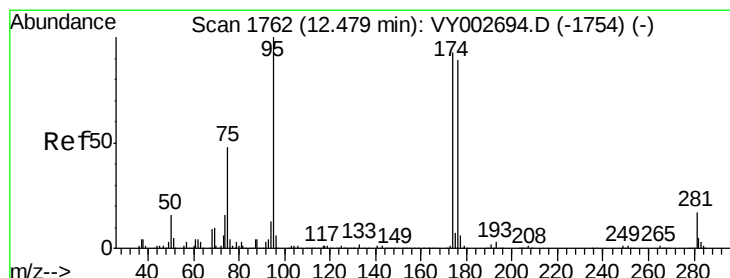
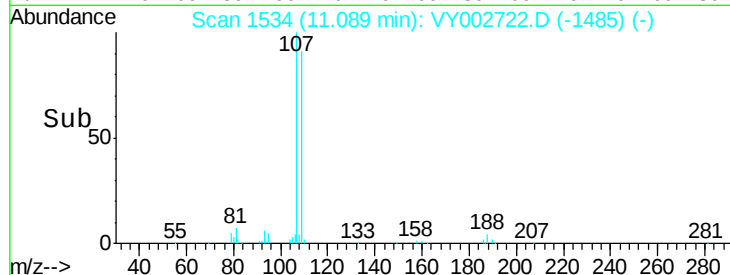
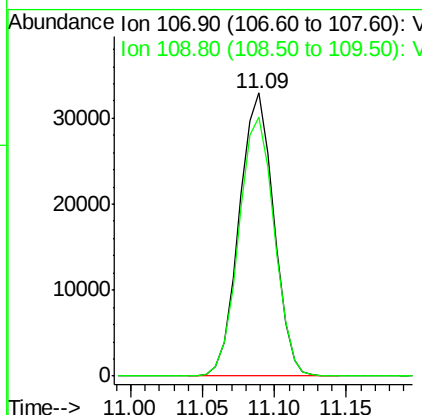
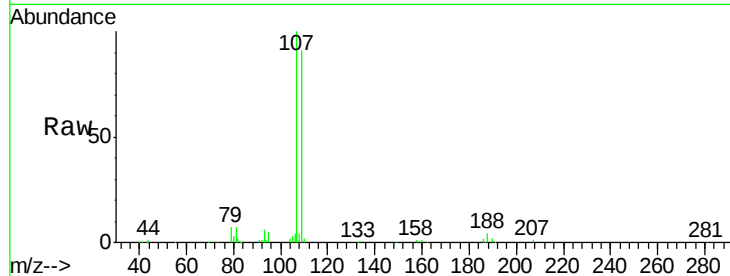
#61  
 1,2-Dibromoethane  
 Concen: 18.867 ug/l  
 RT: 11.09 min Scan# 1534  
 Delta R.T. 0.00 min  
 Lab File: VY002722.D  
 Acq: 20 May 2020 11:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0520SBS01

Tot Ion: 107 Resp: 54895  
 Ion Ratio Lower Upper  
 107 100  
 109 93.9 76.1 114.1

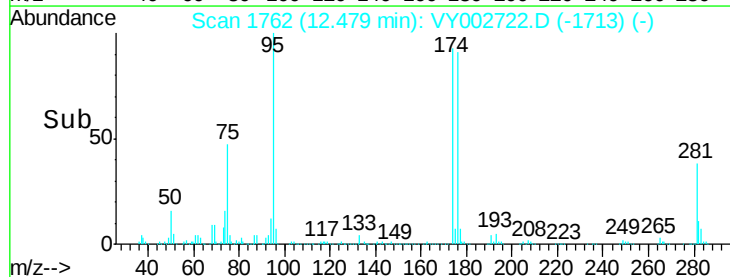
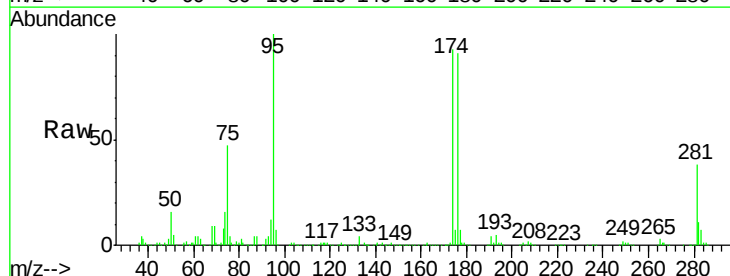
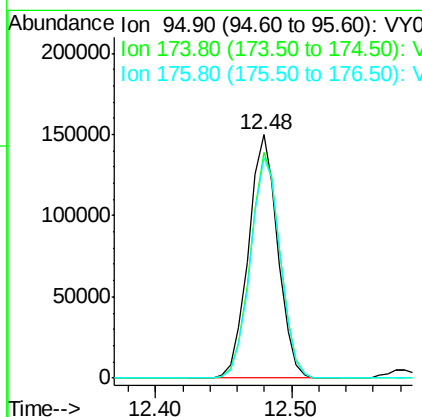
Manual Integrations  
 APPROVED

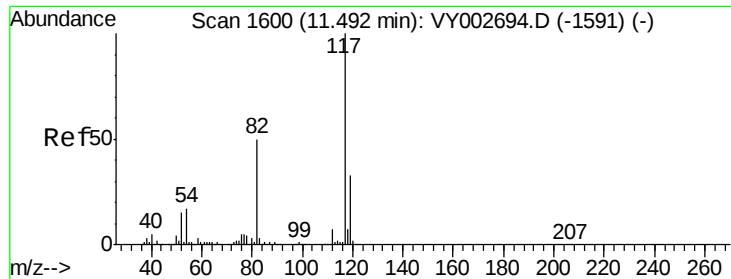
MMDadoda  
 5/21/2020 1:14:38 PM



#62  
 4-Bromofluorobenzene  
 Concen: 49.161 ug/l  
 RT: 12.48 min Scan# 1762  
 Delta R.T. 0.00 min  
 Lab File: VY002722.D  
 Acq: 20 May 2020 11:38

Tgt Ion: 95 Resp: 226104  
 Ion Ratio Lower Upper  
 95 100  
 174 94.1 0.0 191.4  
 176 92.4 0.0 186.0





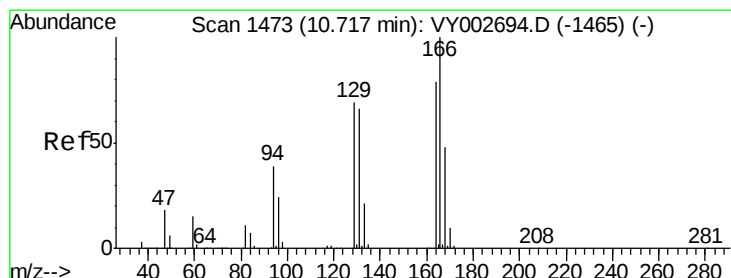
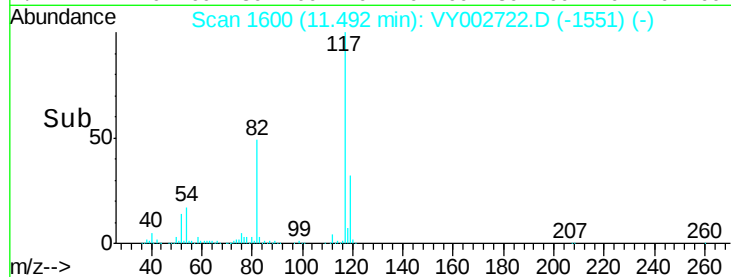
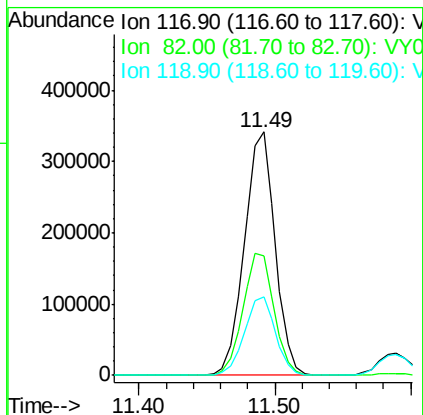
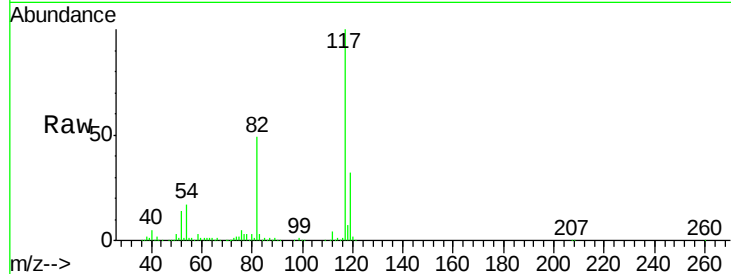
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 537979 |       |       |
| 82      | 49.3  |        | 40.3  | 60.5  |
| 119     | 32.0  |        | 26.2  | 39.4  |

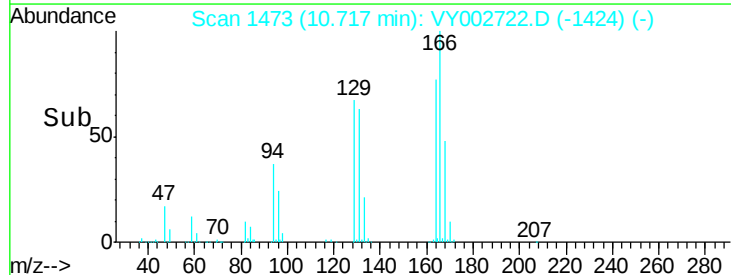
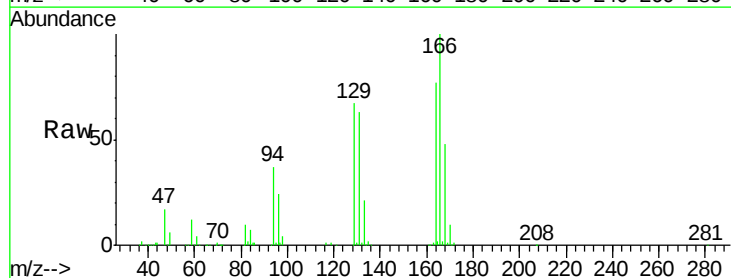
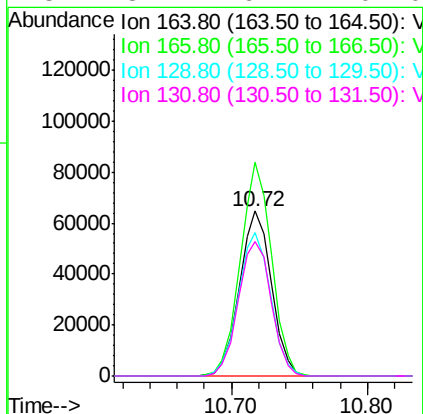
Manual Integrations  
APPROVED

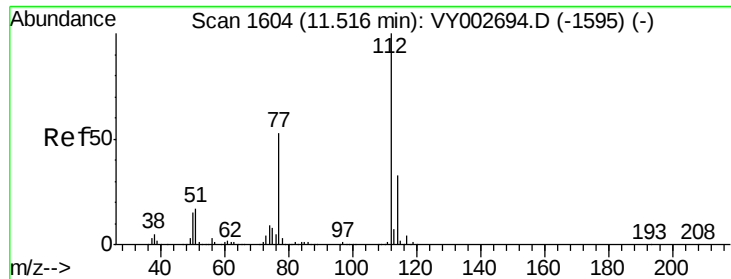
MMDadoda  
5/21/2020 1:14:38 PM



#64  
Tetrachloroethene  
Concen: 20.707 ug/l  
RT: 10.72 min Scan# 1473  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 105758 |       |       |
| 166     | 129.4 |        | 101.6 | 152.4 |
| 129     | 86.8  |        | 70.2  | 105.4 |
| 131     | 81.7  |        | 67.4  | 101.0 |





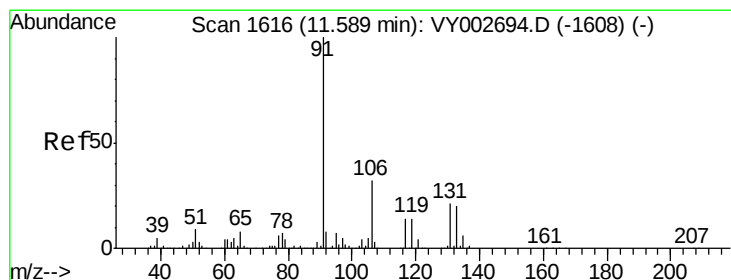
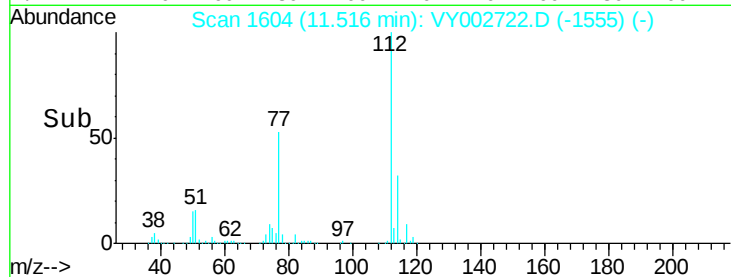
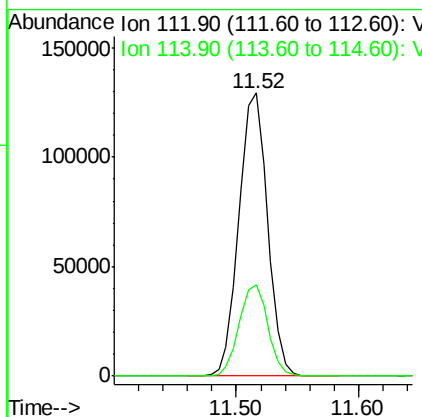
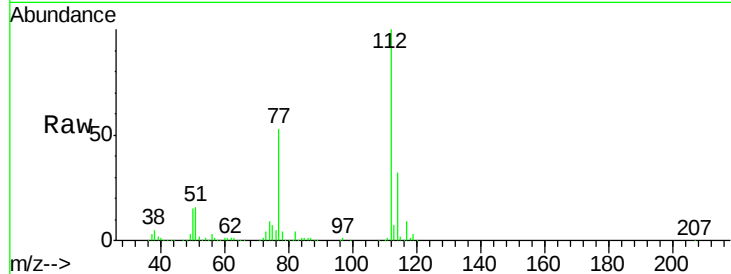
#65  
Chlorobenzene  
Concen: 20.171 ug/l  
RT: 11.52 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.2  | 26.1  | 39.1  |

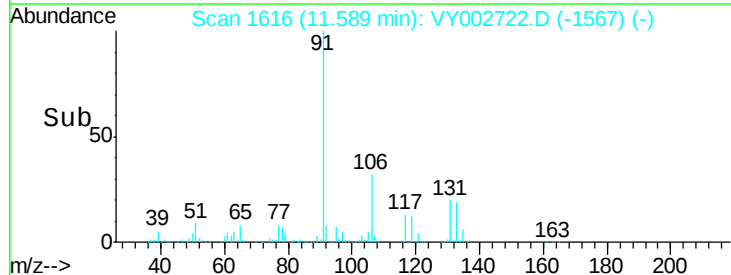
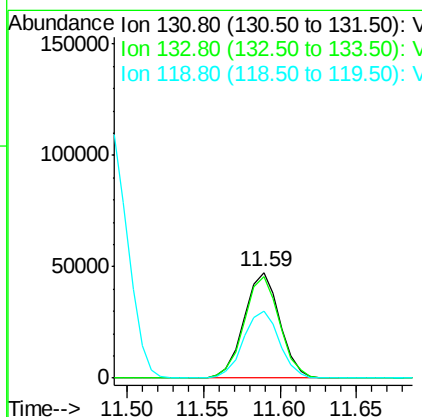
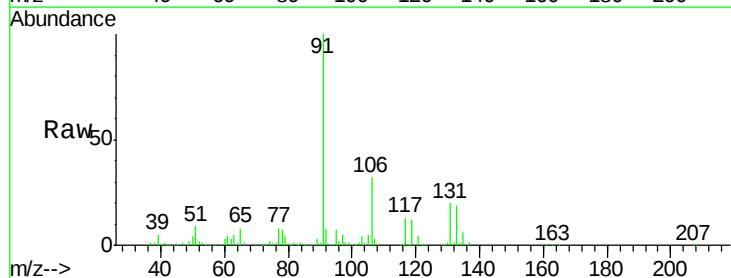
Manual Integrations  
APPROVED

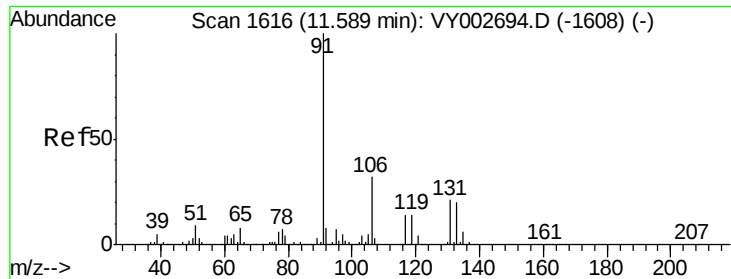
MMDadoda  
5/21/2020 1:14:38 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.881 ug/l  
RT: 11.59 min Scan# 1616  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 96.4  | 47.4  | 142.3 |
| 119     | 64.4  | 31.6  | 94.8  |





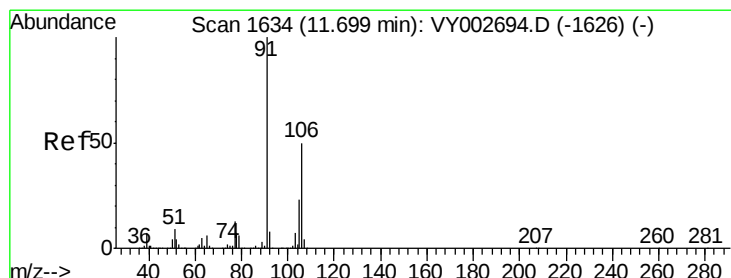
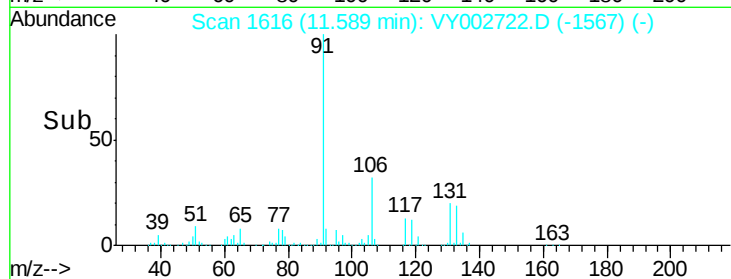
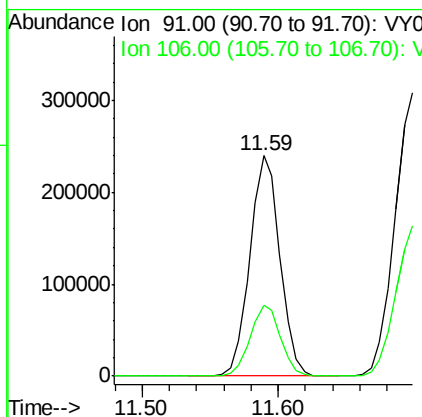
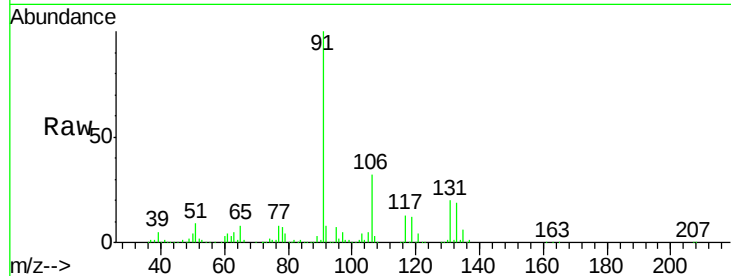
#67  
Ethyl Benzene  
Concen: 20.308 ug/l  
RT: 11.59 min Scan# 1616  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBS01

Tot Ion: 91 Resp: 370680  
Ion Ratio Lower Upper  
91 100  
106 32.1 26.0 39.0

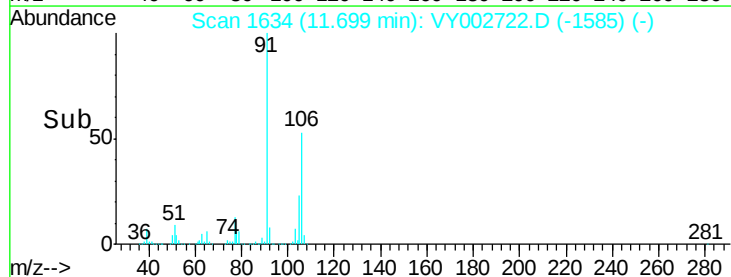
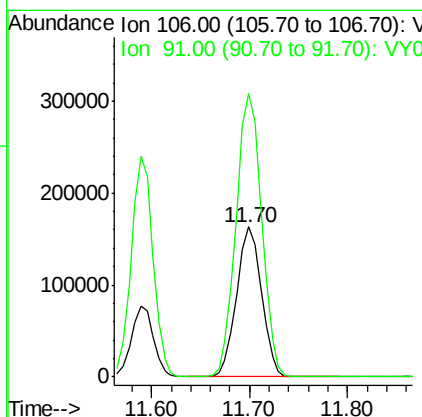
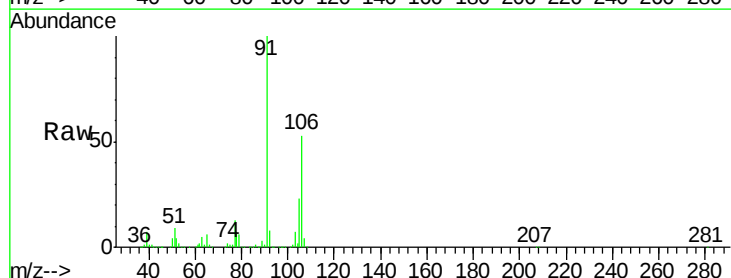
Manual Integrations  
APPROVED

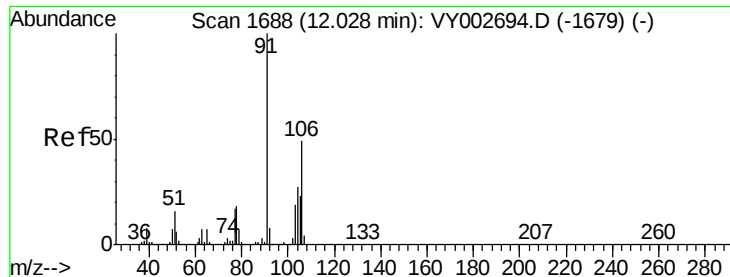
MMDadoda  
5/21/2020 1:14:38 PM



#68  
m/p-Xylenes  
Concen: 40.889 ug/l  
RT: 11.70 min Scan# 1634  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Tgt Ion: 106 Resp: 290370  
Ion Ratio Lower Upper  
106 100  
91 193.6 156.2 234.4





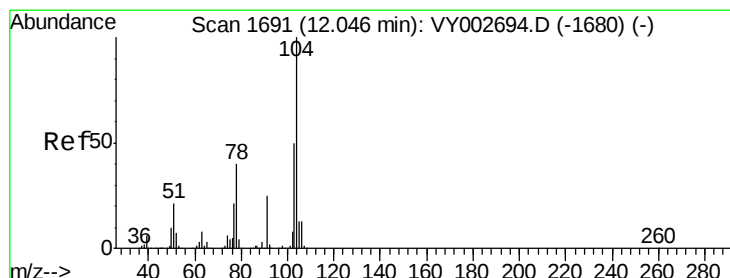
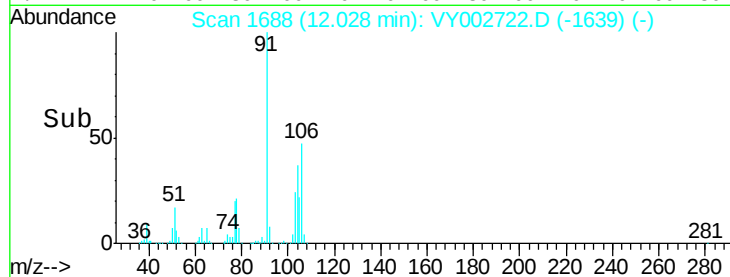
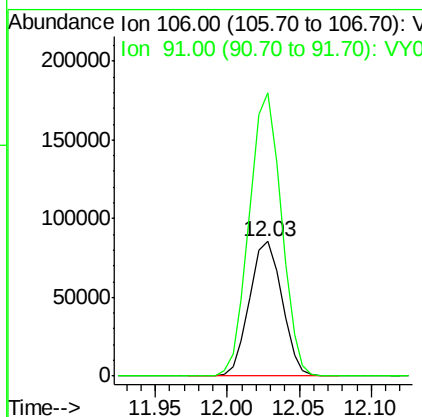
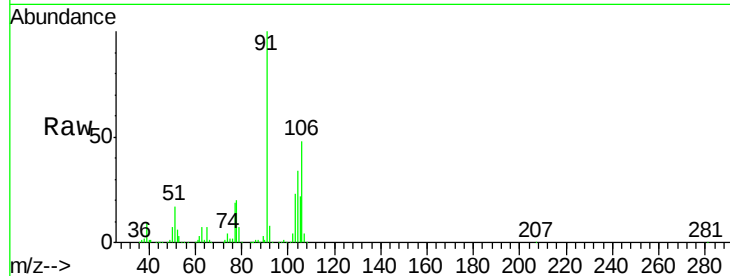
#69  
o-Xylene  
Concen: 20.233 ug/l  
RT: 12.03 min Scan# 1688  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBS01

| Tot Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 106     | 106 | 100   | 134859 |       |       |
| 91      | 91  | 206.6 | 103.5  | 310.3 |       |

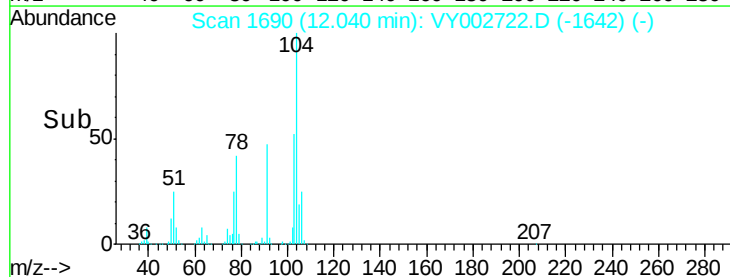
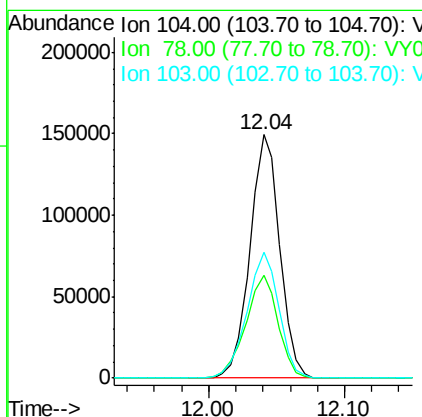
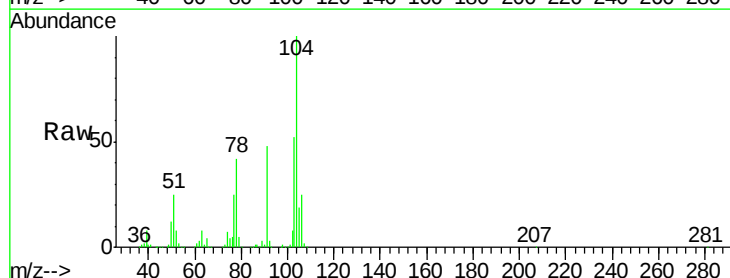
Manual Integrations  
APPROVED

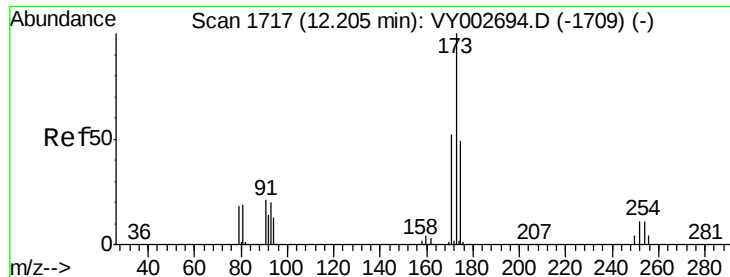
MMDadoda  
5/21/2020 1:14:38 PM



#70  
Styrene  
Concen: 20.065 ug/l  
RT: 12.04 min Scan# 1690  
Delta R.T. -0.01 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 104     | 104 | 100   | 229615 |       |       |
| 78      | 78  | 45.9  | 36.6   | 54.8  |       |
| 103     | 103 | 55.3  | 44.1   | 66.1  |       |





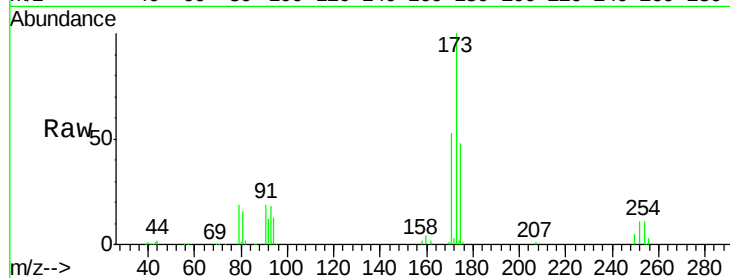
#71  
Bromoform  
Concen: 18.619 ug/l  
RT: 12.20 min Scan# 1717  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBS01

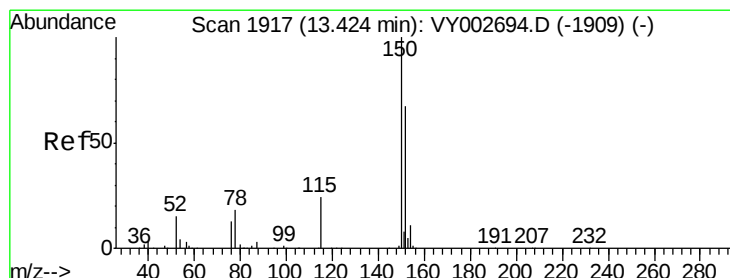
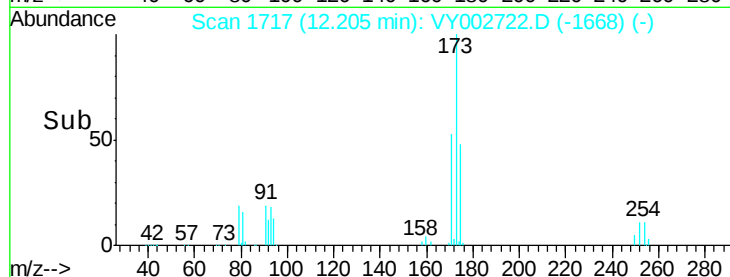
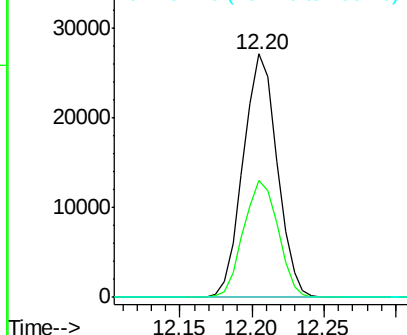
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.9  | 24.1  | 72.4  |
| 254     | 0.1   | 0.1   | 0.1   |

Manual Integrations  
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MMDadoda  
5/21/2020 1:14:38 PM

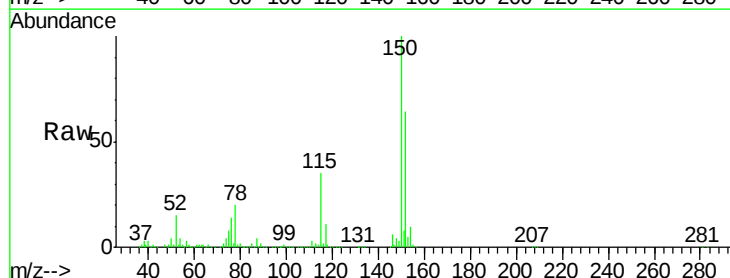


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

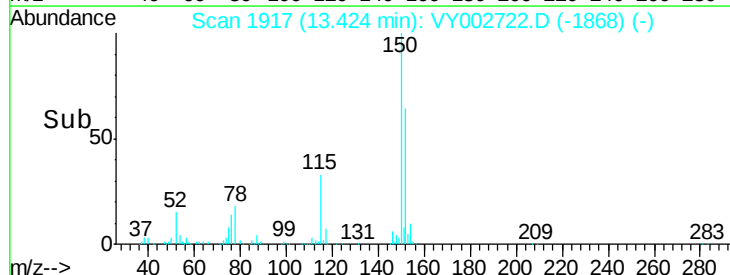
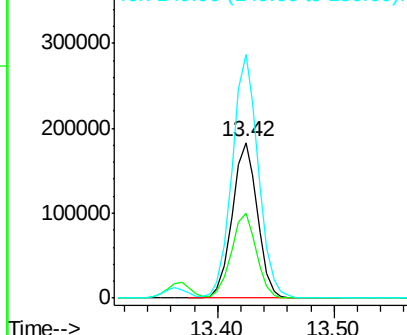


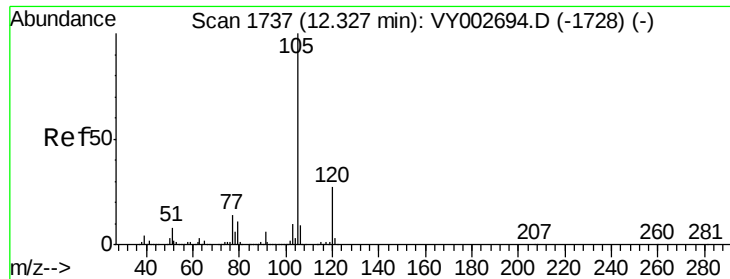
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.1  | 27.2  | 81.6  |
| 150     | 163.0 | 0.0   | 343.8 |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





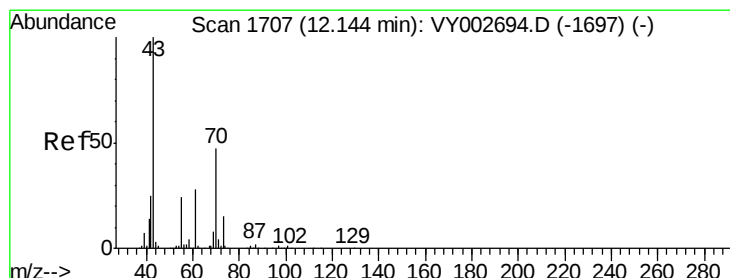
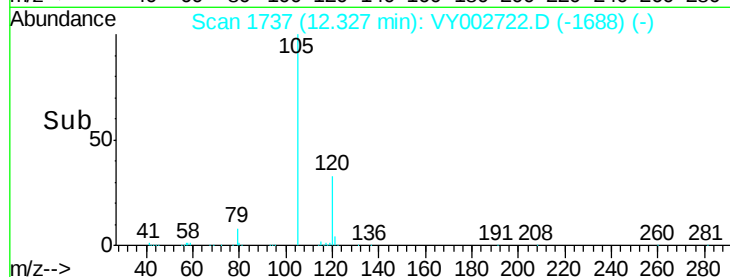
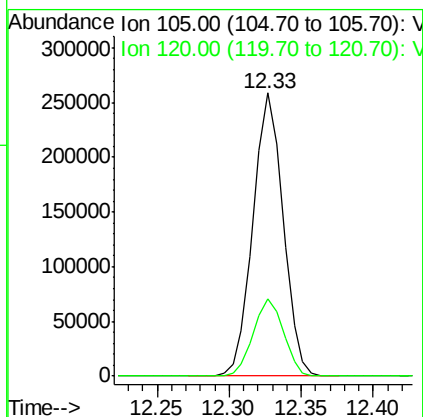
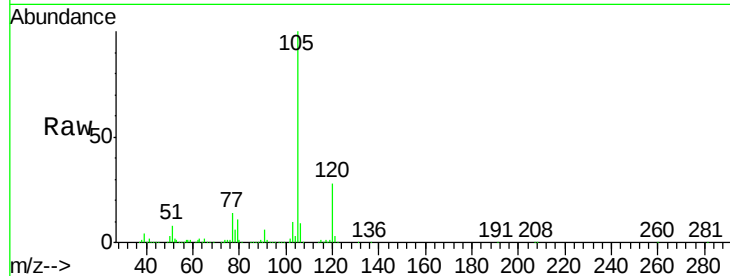
#73  
Isopropylbenzene  
Concen: 20.799 ug/l  
RT: 12.33 min Scan# 1737  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 27.6  | 13.7  | 41.1  |

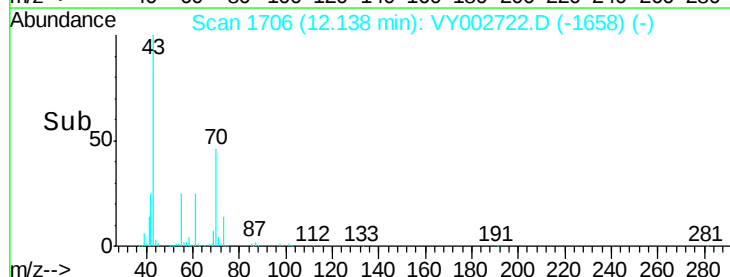
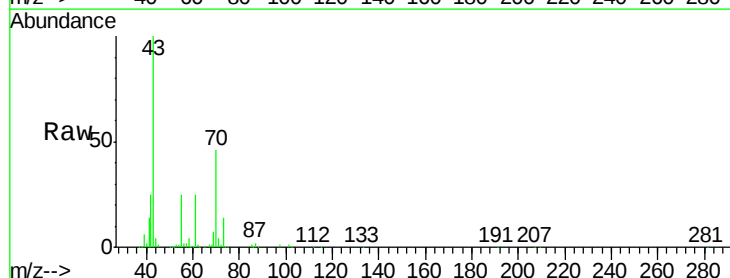
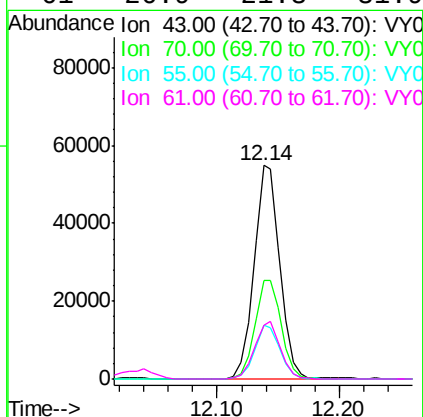
Manual Integrations  
APPROVED

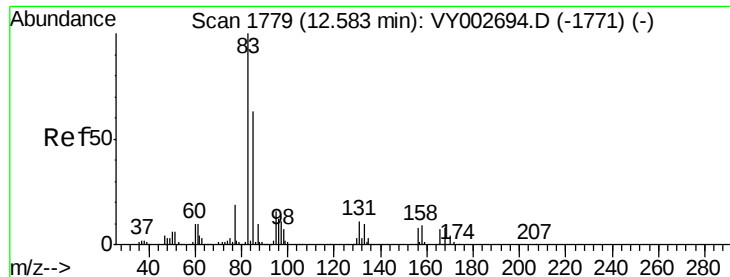
MMDadoda  
5/21/2020 1:14:38 PM



#74  
N-ethyl acetate  
Concen: 19.099 ug/l  
RT: 12.14 min Scan# 1706  
Delta R.T. -0.01 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 47.6  | 37.7  | 56.5  |
| 55      | 25.3  | 19.4  | 29.0  |
| 61      | 26.9  | 21.3  | 31.9  |





#75

1,1,2,2-Tetrachloroethane

Concen: 18.600 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

Instrument :

MSVOA\_Y

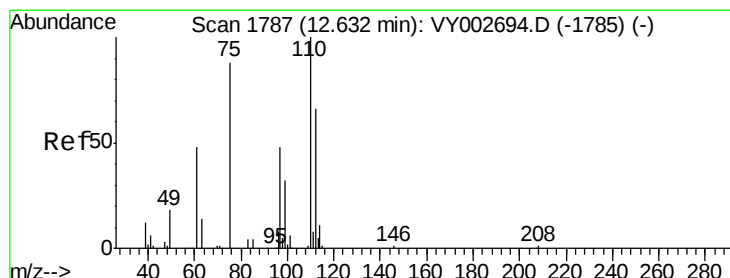
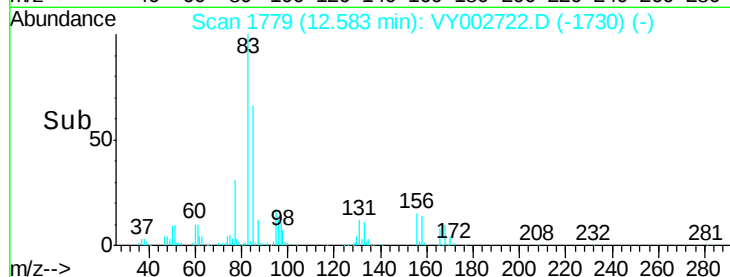
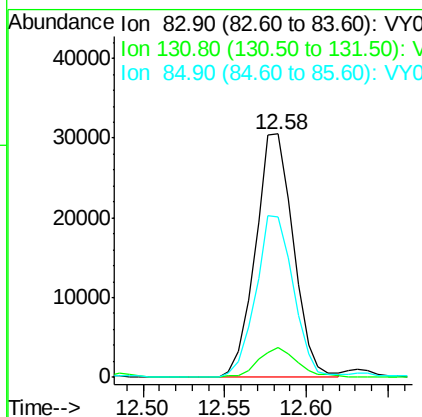
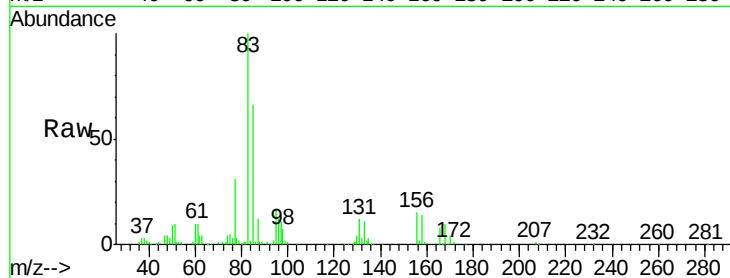
ClientSampleId :

VY0520SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 49189 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 12.6  | 5.8   | 17.3  |
| 85        | 66.0  | 31.9  | 95.9  |

Manual Integrations  
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5/21/2020 1:14:38 PM



#76

1,2,3-Trichloropropane

Concen: 18.030 ug/l m

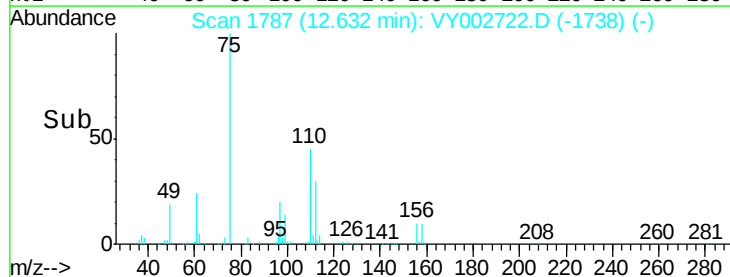
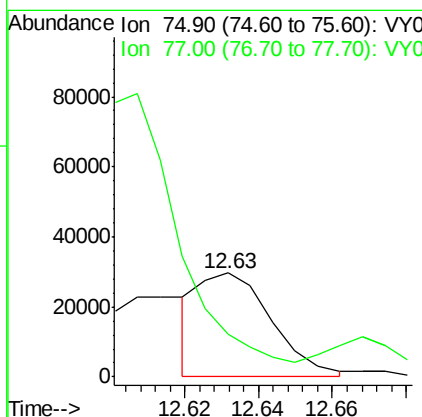
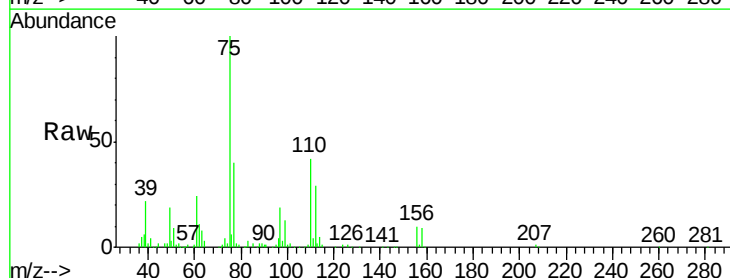
RT: 12.63 min Scan# 1787

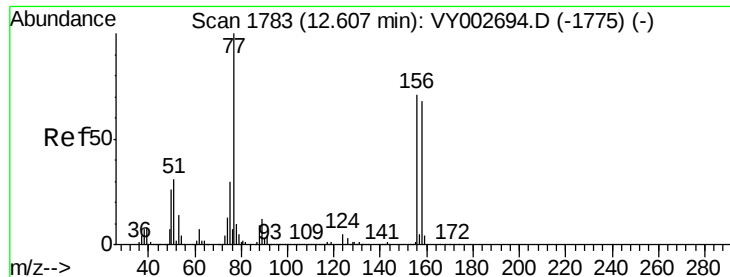
Delta R.T. 0.00 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 40709 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





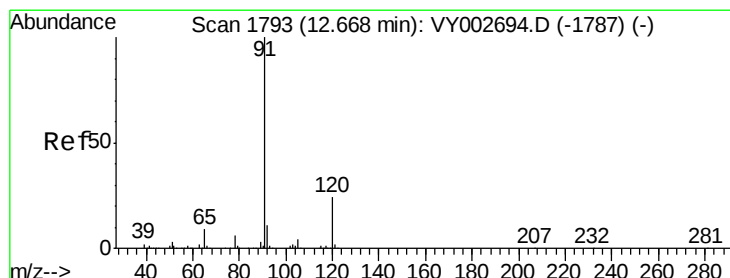
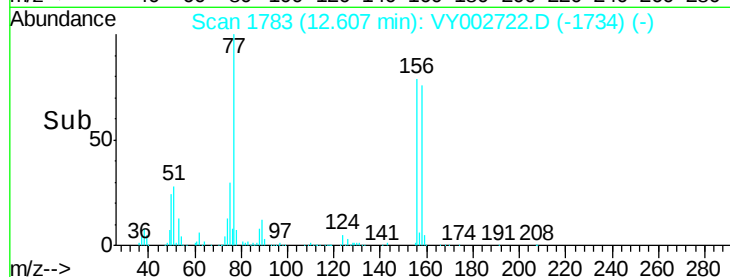
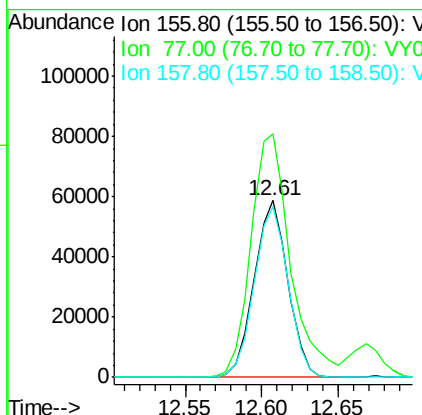
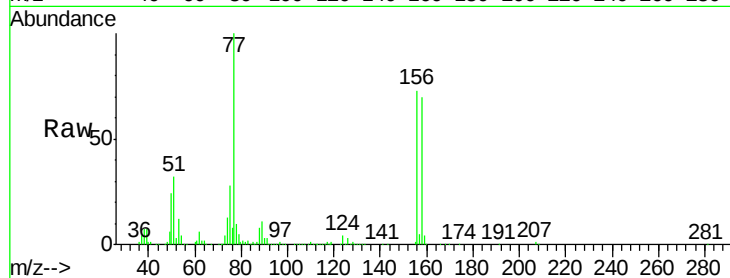
#77  
Bromobenzene  
Concen: 20.057 ug/l  
RT: 12.61 min Scan# 1783  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 161.7 | 80.8  | 242.3 |
| 158     | 97.4  | 49.0  | 147.0 |

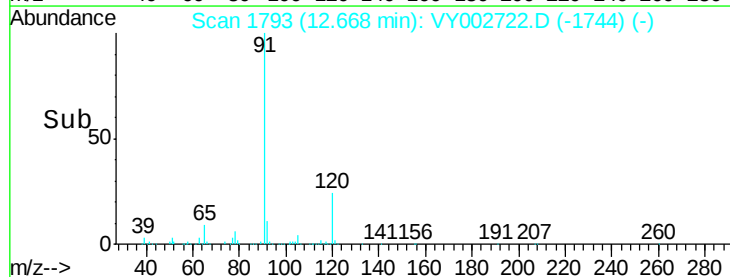
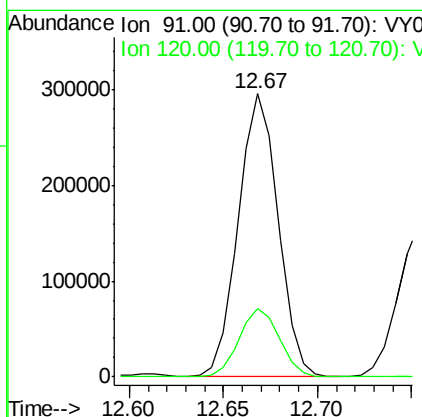
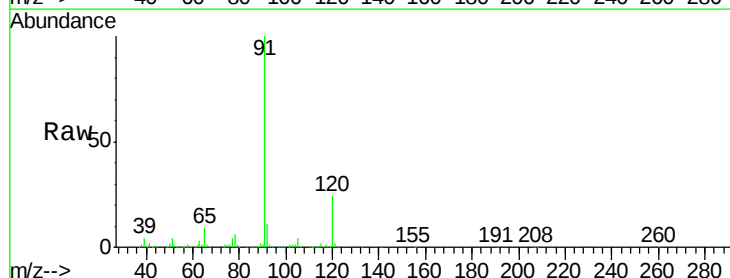
Manual Integrations  
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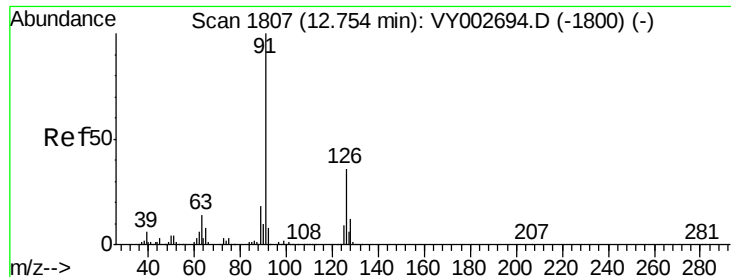
MMDadoda  
5/21/2020 1:14:38 PM



#78  
n-propylbenzene  
Concen: 20.773 ug/l  
RT: 12.67 min Scan# 1793  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 24.5  | 12.3  | 36.8  |





#79

2-Chlorotoluene

Concen: 20.648 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

Instrument :

MSVOA\_Y

ClientSampleId :

VY0520SBS01

Tot Ion: 91 Resp: 239258

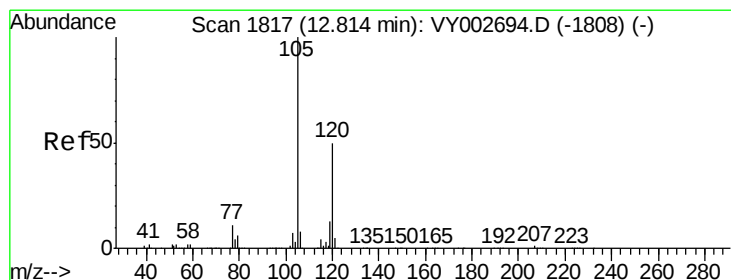
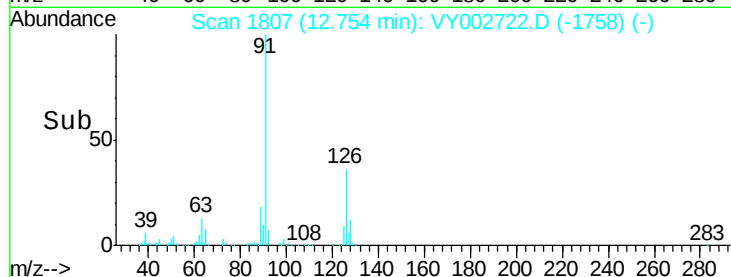
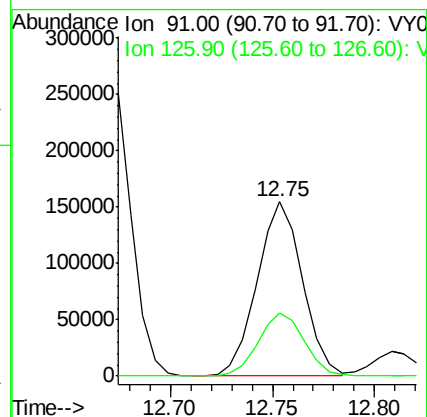
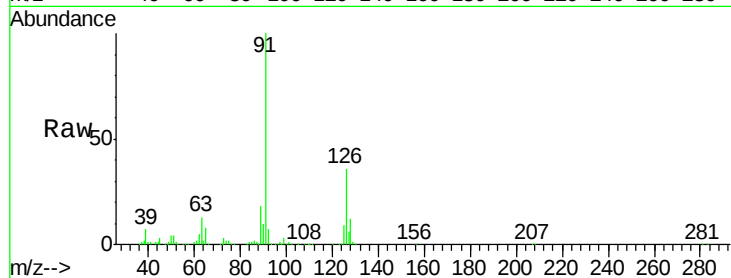
Ion Ratio Lower Upper

91 100

126 36.6 18.4 55.0

Manual Integrations  
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5/21/2020 1:14:38 PM



#80

1,3,5-Trimethylbenzene

Concen: 20.409 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY002722.D

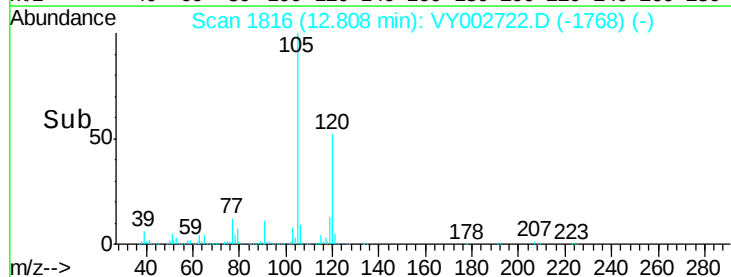
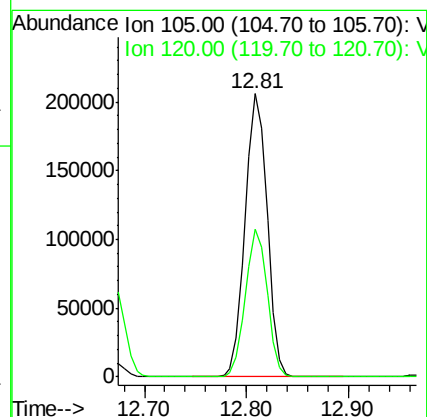
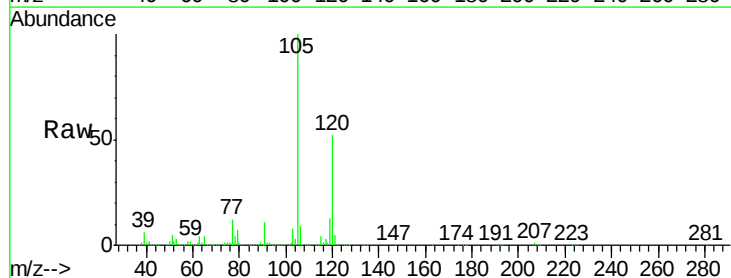
Acq: 20 May 2020 11:38

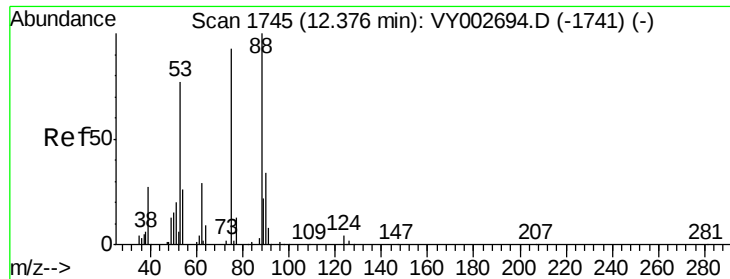
Tgt Ion: 105 Resp: 307977

Ion Ratio Lower Upper

105 100

120 51.6 25.1 75.4





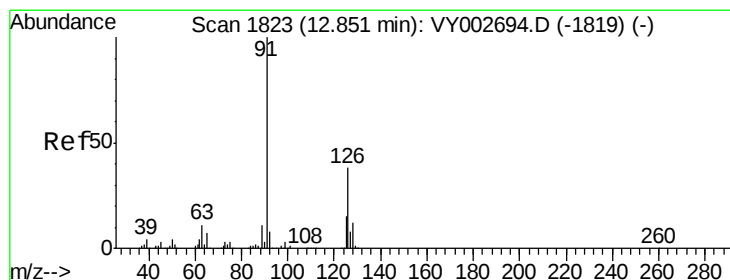
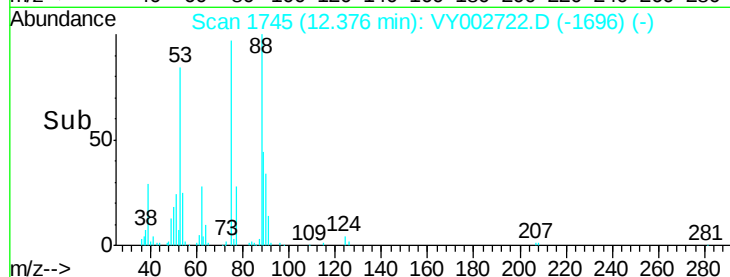
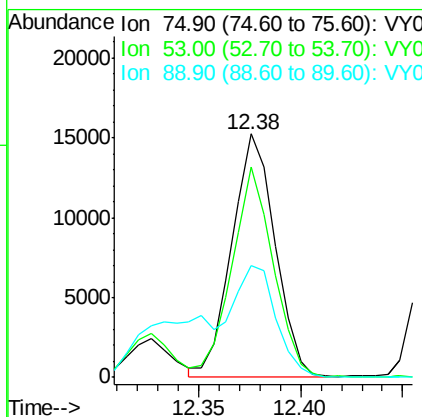
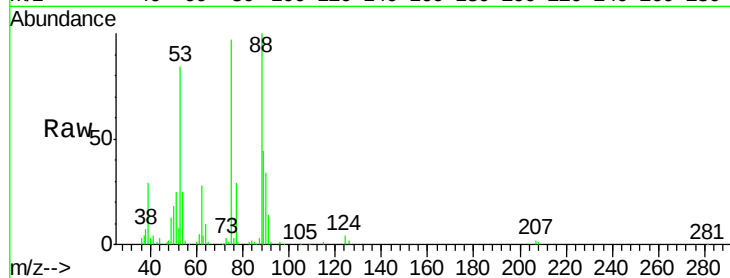
#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.602 ug/l  
RT: 12.38 min Scan# 1745  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 84.1  | 65.0  | 97.6  |
| 89      | 88.7  | 66.6  | 99.8  |

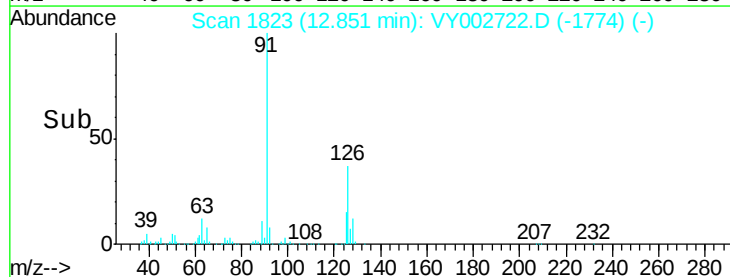
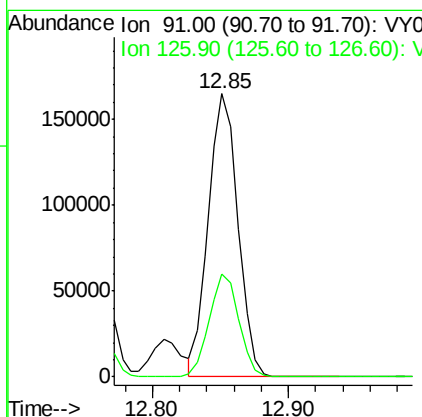
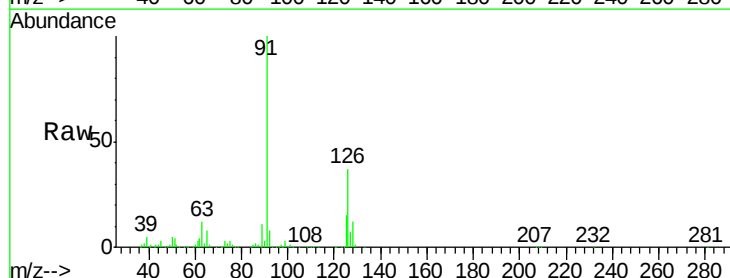
Manual Integrations  
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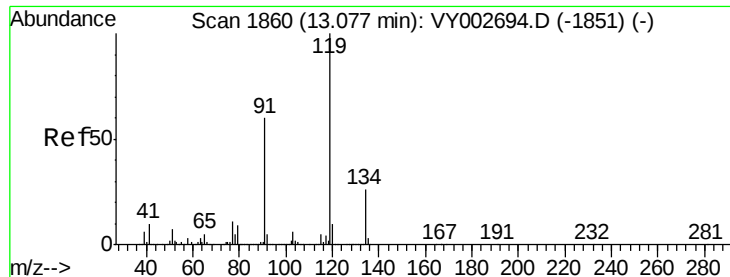
MMDadoda  
5/21/2020 1:14:38 PM



#82  
4-Chlorotoluene  
Concen: 20.422 ug/l  
RT: 12.85 min Scan# 1823  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 36.6  | 18.6  | 56.0  |





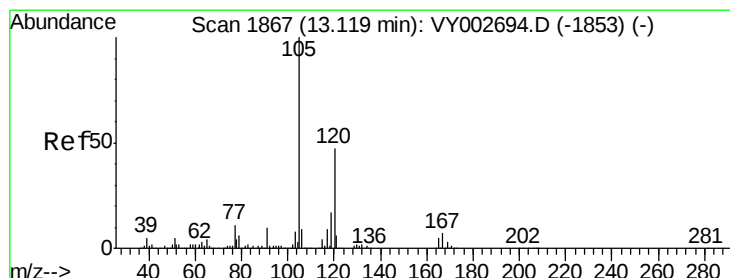
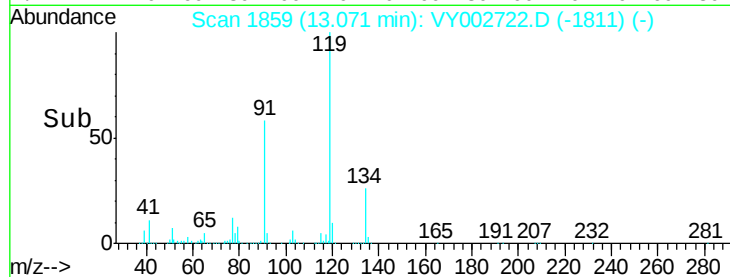
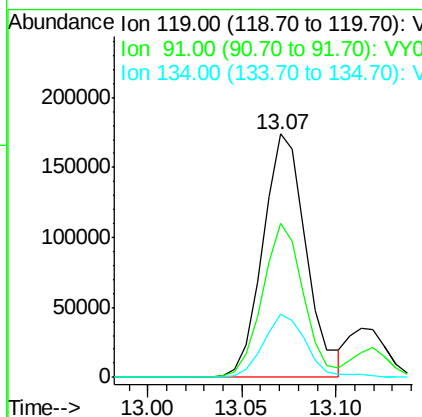
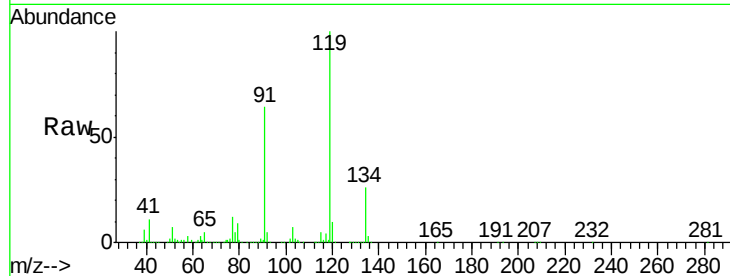
#83  
tert-Butylbenzene  
Concen: 20.693 ug/l  
RT: 13.07 min Scan# 1859  
Delta R.T. -0.01 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 276363 |       |       |
| 91      | 60.0  |        | 30.4  | 91.2  |
| 134     | 26.1  |        | 13.4  | 40.2  |

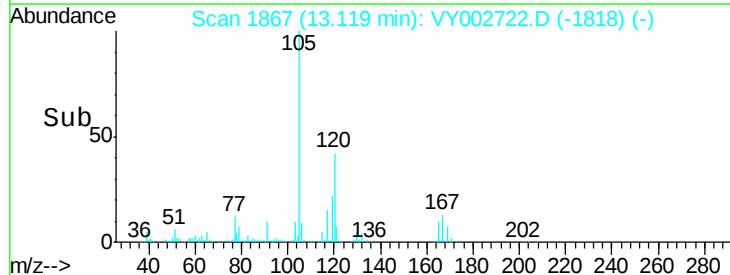
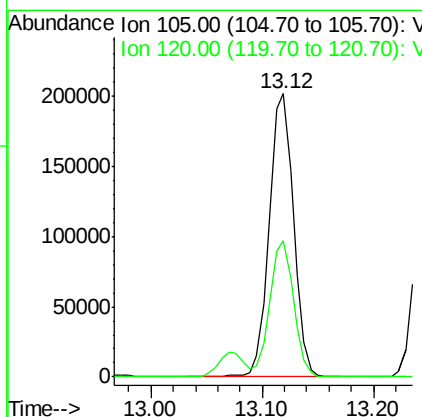
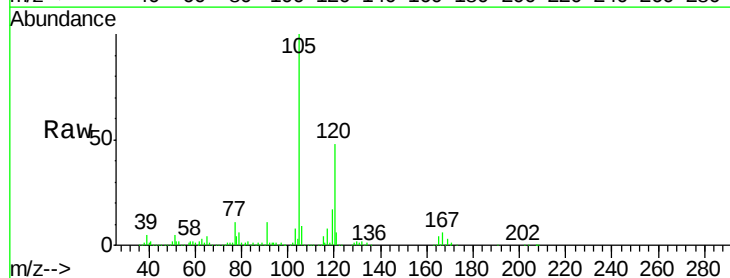
Manual Integrations  
APPROVED

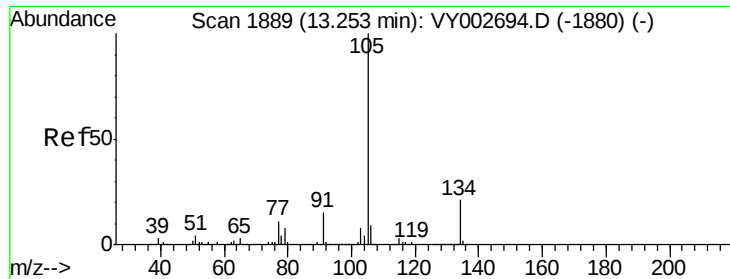
MMDadoda  
5/21/2020 1:14:38 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 20.438 ug/l  
RT: 13.12 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 308238 |       |       |
| 120     | 47.0  |        | 23.5  | 70.5  |





#85

sec-Butylbenzene

Concen: 20.579 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

Instrument :

MSVOA\_Y

ClientSampleId :

VY0520SBS01

Tot Ion:105 Resp: 379241

Ion Ratio Lower Upper

105 100

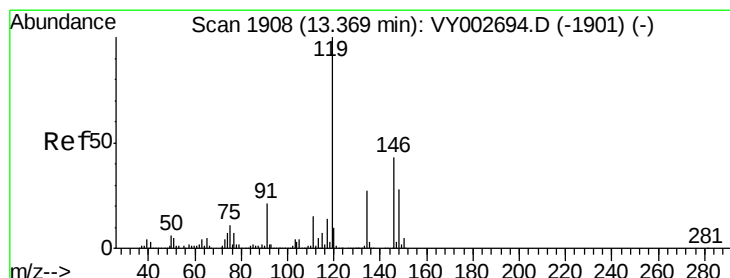
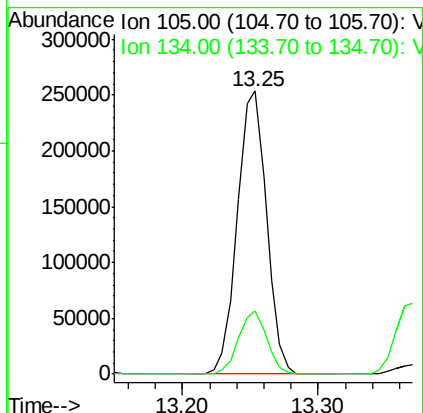
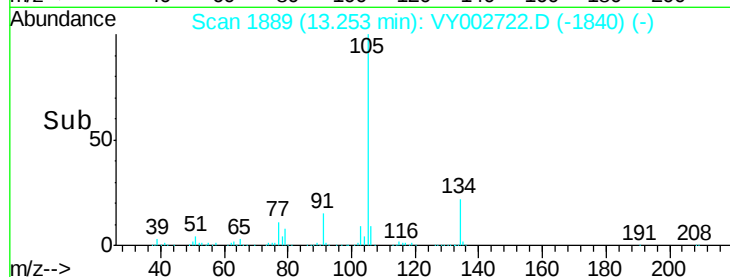
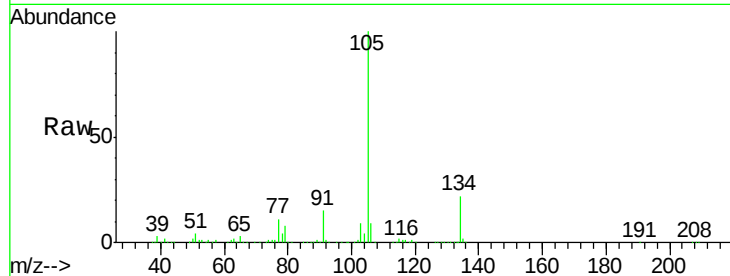
134 21.7 10.8 32.3

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#86

p-Isopropyltoluene

Concen: 20.449 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

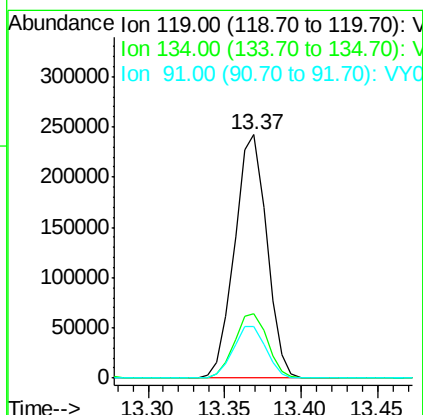
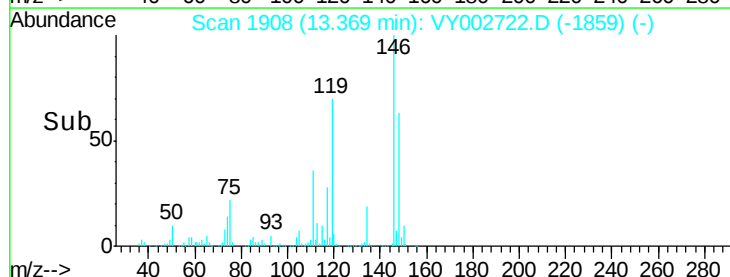
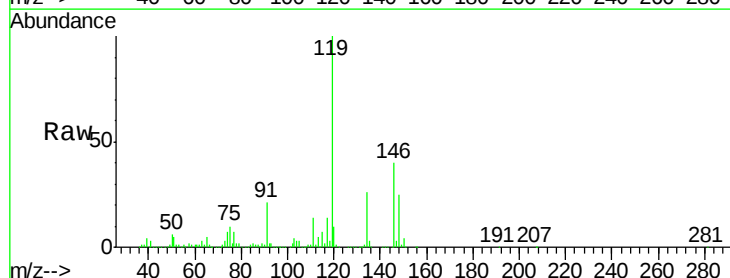
Tgt Ion:119 Resp: 352749

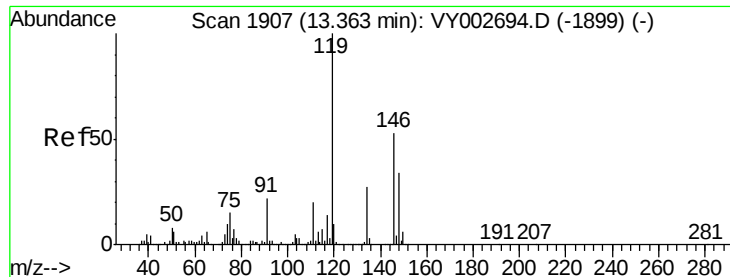
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

91 21.8 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 20.253 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

Instrument :

MSVOA\_Y

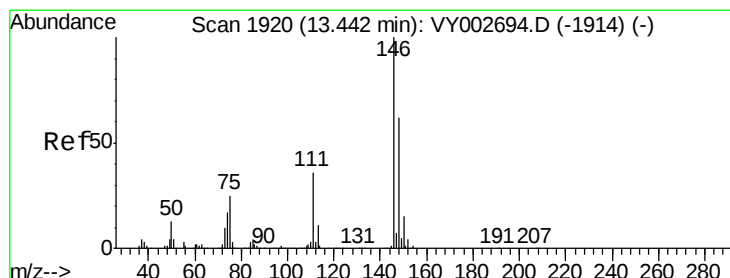
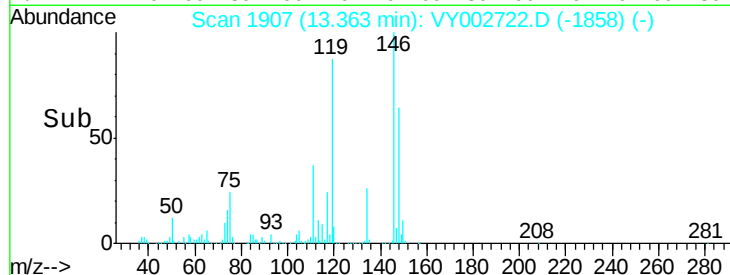
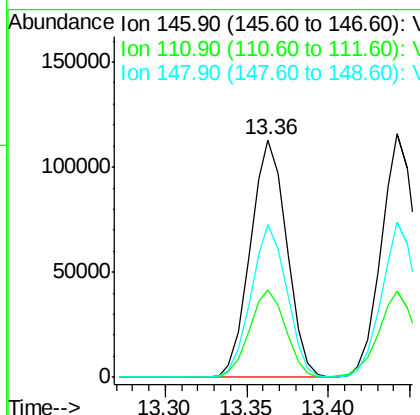
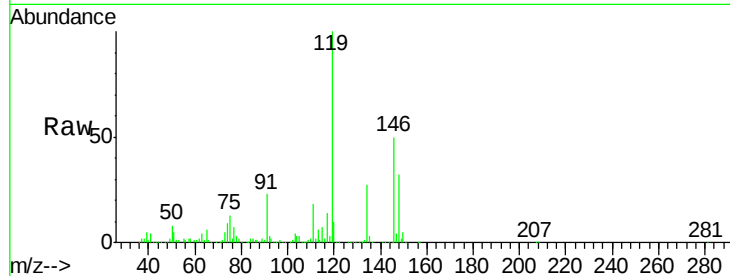
ClientSampleId :

VY0520SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 175330 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 36.7  | 18.5  | 55.5   |
| 148       | 63.3  | 32.1  | 96.5   |

Manual Integrations  
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#88

1,4-Dichlorobenzene

Concen: 20.052 ug/l

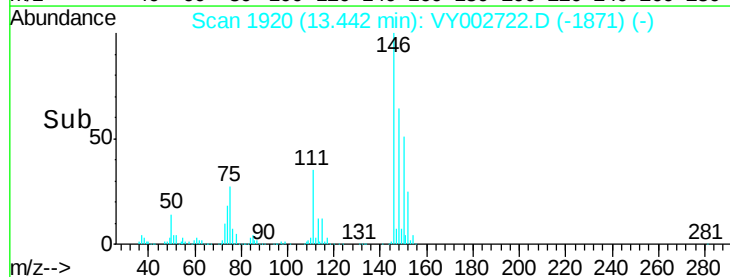
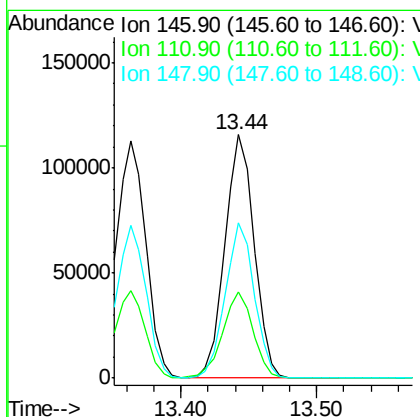
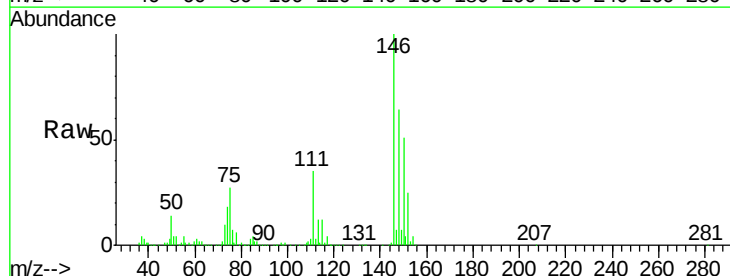
RT: 13.44 min Scan# 1920

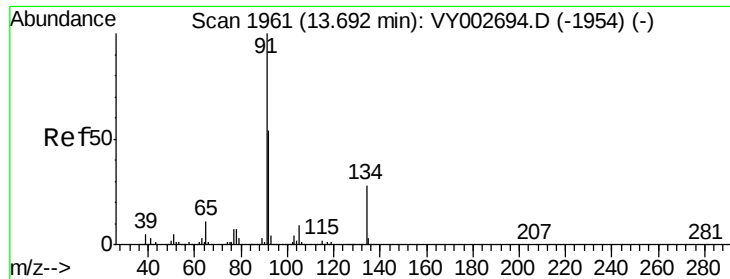
Delta R.T. 0.00 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 172823 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 36.9  | 18.1  | 54.4   |
| 148       | 63.7  | 31.8  | 95.3   |





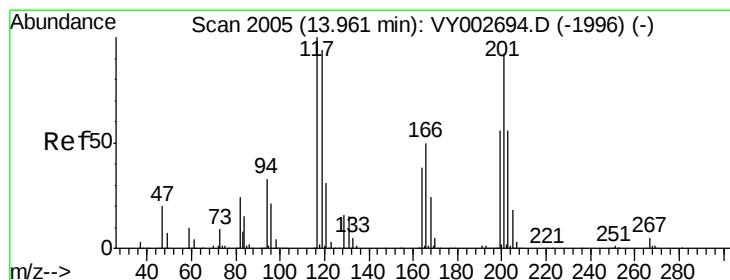
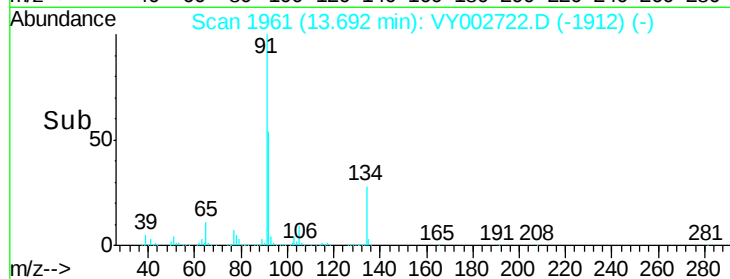
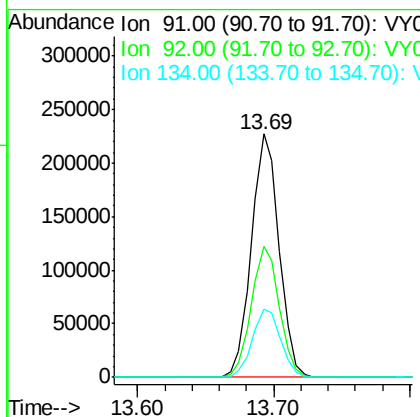
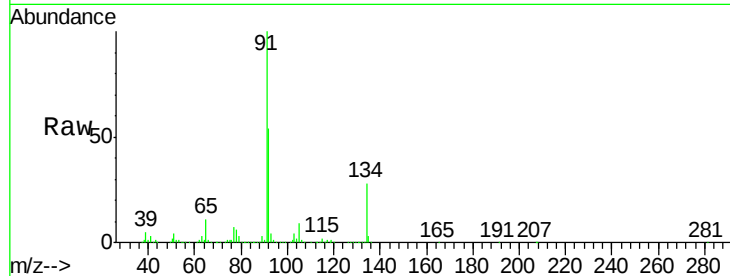
#89  
n-Butylbenzene  
Concen: 20.474 ug/l  
RT: 13.69 min Scan# 1961  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.3  | 26.8  | 80.4  |
| 134     | 29.0  | 14.5  | 43.5  |

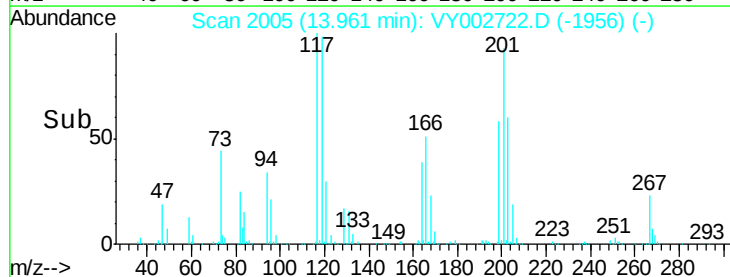
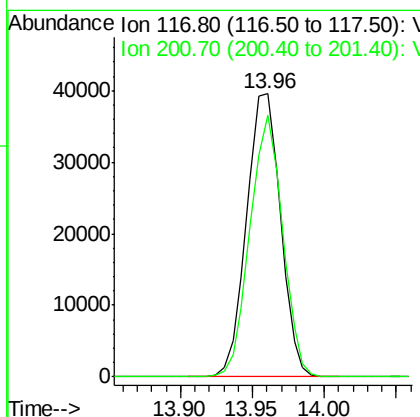
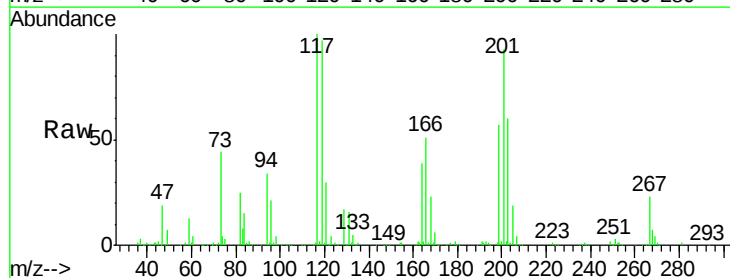
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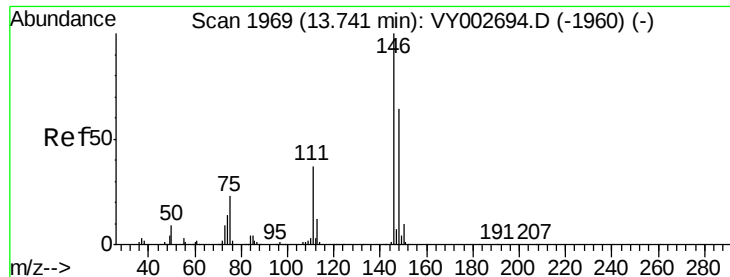
MMDadoda  
5/21/2020 1:14:38 PM



#90  
Hexachloroethane  
Concen: 20.195 ug/l  
RT: 13.96 min Scan# 2005  
Delta R.T. 0.00 min  
Lab File: VY002722.D  
Acq: 20 May 2020 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 88.7  | 44.9  | 134.7 |





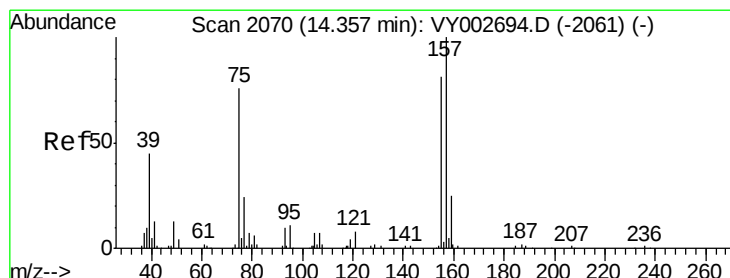
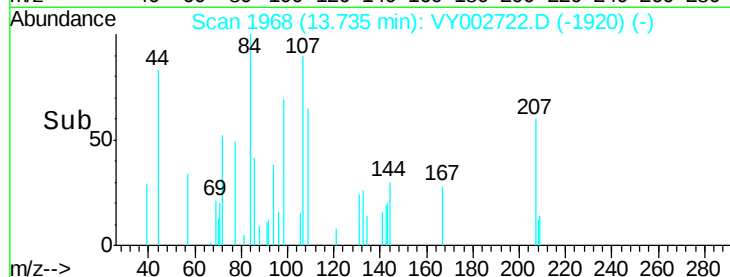
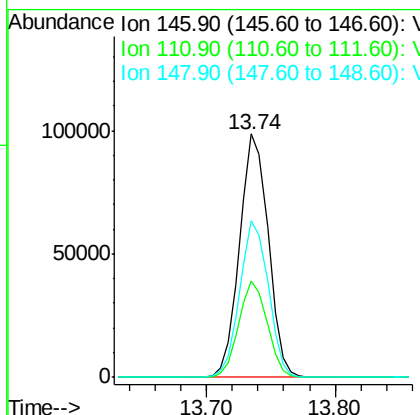
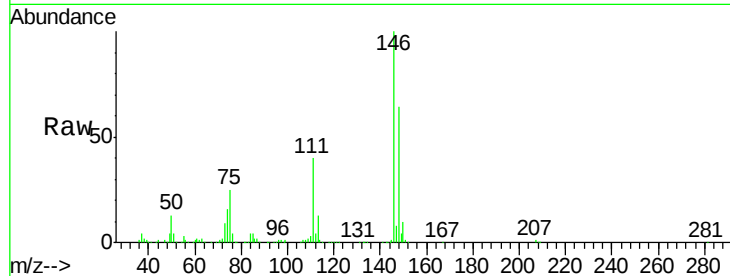
#91  
 1,2-Dichlorobenzene  
 Concen: 19.575 ug/l  
 RT: 13.74 min Scan# 1968  
 Delta R.T. -0.01 min  
 Lab File: VY002722.D  
 Acq: 20 May 2020 11:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0520SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.0  | 19.1  | 57.1  |
| 148     | 64.2  | 31.9  | 95.7  |

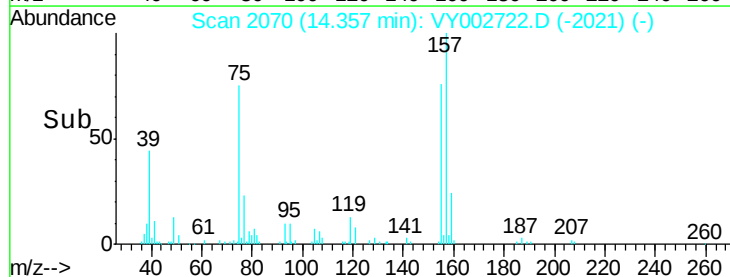
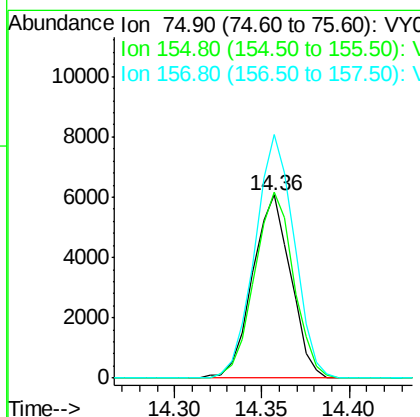
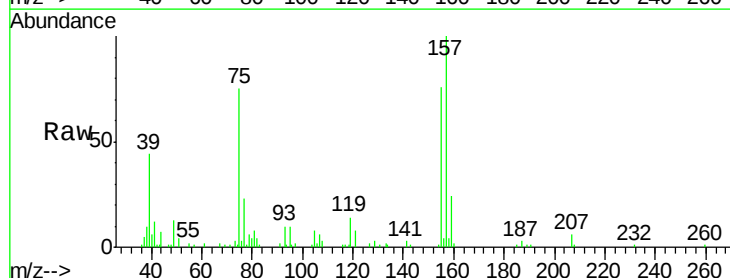
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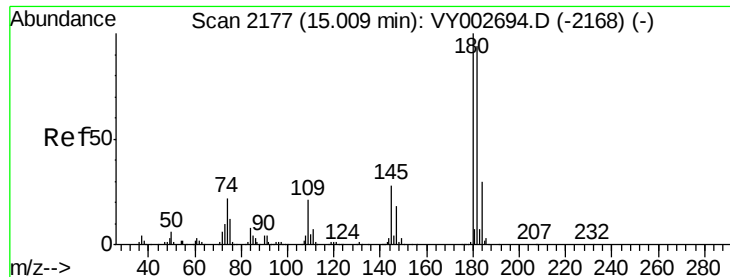
MMDadoda  
 5/21/2020 1:14:38 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.140 ug/l  
 RT: 14.36 min Scan# 2070  
 Delta R.T. 0.00 min  
 Lab File: VY002722.D  
 Acq: 20 May 2020 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 104.4 | 53.5  | 160.7 |
| 157     | 136.8 | 67.9  | 203.7 |





#93

1,2,4-Trichlorobenzene

Concen: 17.796 ug/l

RT: 15.00 min Scan# 2176

Delta R.T. -0.01 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

Instrument :

MSVOA\_Y

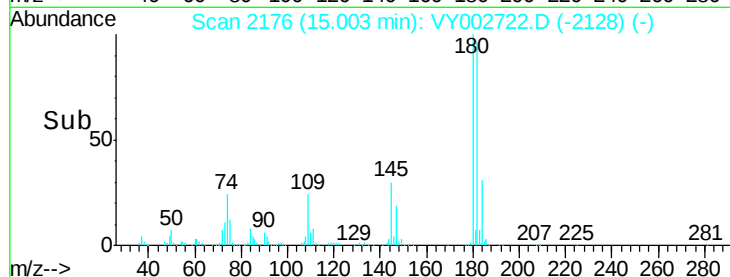
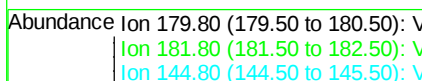
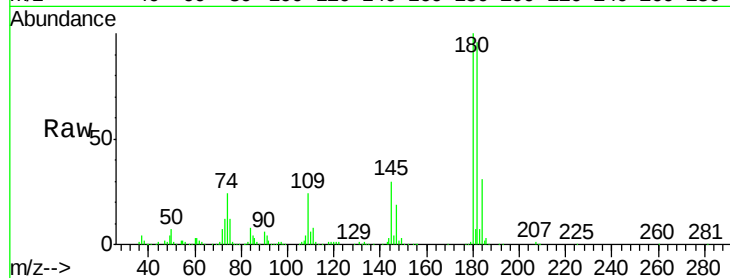
ClientSampleId :

VY0520SBS01

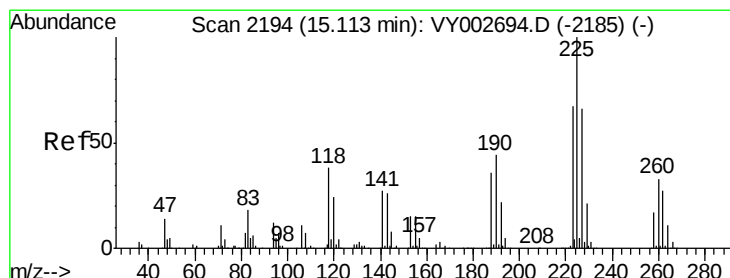
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 111084 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.1  | 47.3  | 142.0  |
| 145       | 29.2  | 14.1  | 42.2   |

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Time--> 14.90 15.00 15.10



#94

Hexachlorobutadiene

Concen: 19.132 ug/l

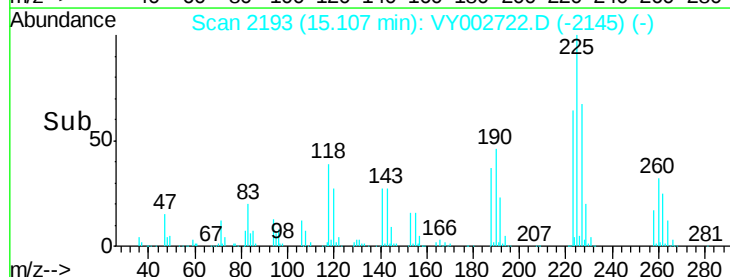
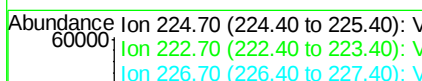
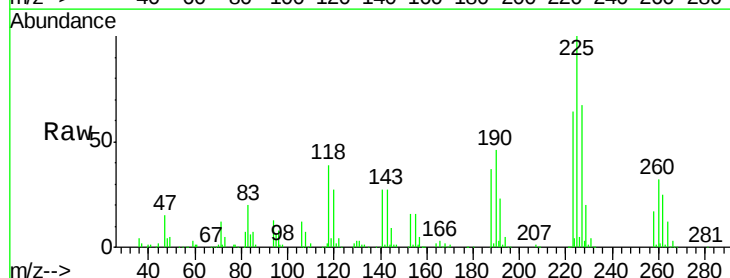
RT: 15.11 min Scan# 2193

Delta R.T. -0.01 min

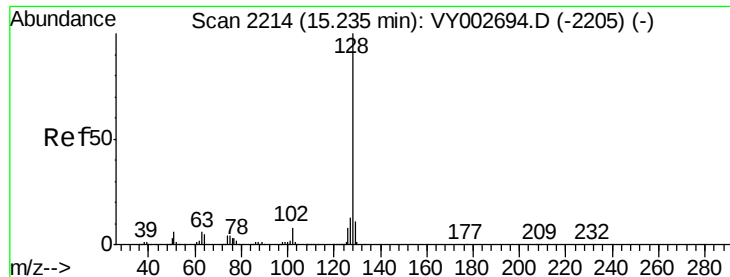
Lab File: VY002722.D

Acq: 20 May 2020 11:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 71472 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 60.6  | 31.6  | 94.8  |
| 227       | 64.3  | 32.2  | 96.6  |



Time--> 15.05 15.10 15.15



#95

Naphthalene

Concen: 17.648 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

Instrument :

MSVOA\_Y

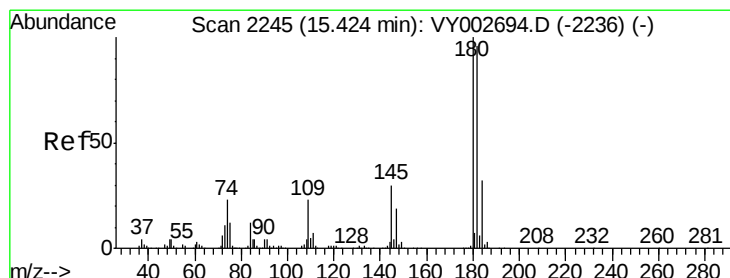
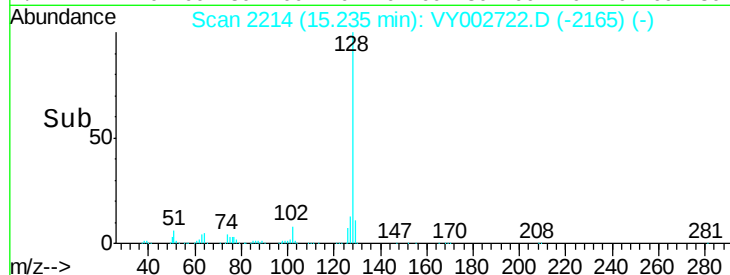
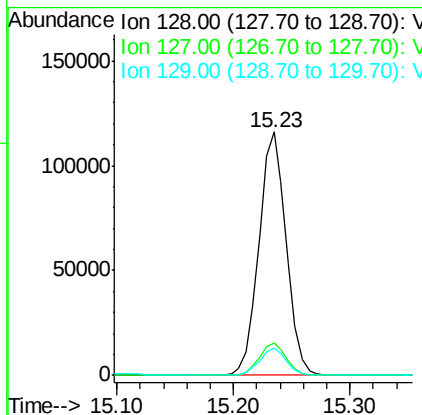
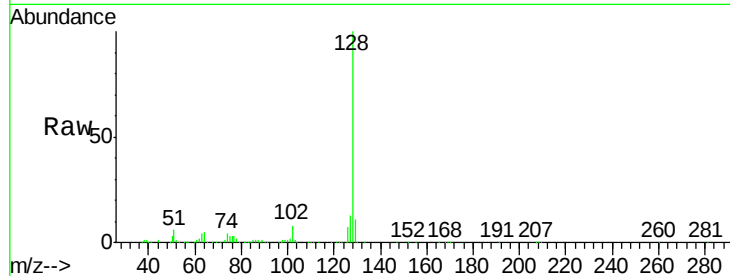
ClientSampleId :

VY0520SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 188705 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.2  | 10.3  | 15.5   |
| 129       | 11.1  | 8.7   | 13.1   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 17.178 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY002722.D

Acq: 20 May 2020 11:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 92422 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 96.9  | 47.6  | 142.9 |
| 145       | 31.7  | 15.1  | 45.3  |

