

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030620\  
 Data File : VY001902.D  
 Acq On : 06 Mar 2020 16:55  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 3/9/2020 11:41:06 AM

Quant Time: Mar 06 23:53:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y030420S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 05 04:05:33 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.82  | 168  | 162901   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.71  | 114  | 300630   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.50 | 117  | 272358   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.44 | 152  | 124546   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.17  | 65   | 90150    | 51.84 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.68% |          |
| 35) Dibromofluoromethane    | 7.75  | 113  | 84442    | 51.44 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.88% |          |
| 50) Toluene-d8              | 10.19 | 98   | 360549   | 52.09 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.18% |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 122850   | 51.04 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.08% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.92 | 85   | 73283    | 48.735  | ug/l  | 99     |
| 3) Chloromethane              | 2.13 | 50   | 103778   | 51.190  | ug/l  | 98     |
| 4) Vinyl Chloride             | 2.27 | 62   | 105333   | 51.080  | ug/l  | 98     |
| 5) Bromomethane               | 2.68 | 94   | 69183    | 58.427  | ug/l  | 97     |
| 6) Chloroethane               | 2.82 | 64   | 68006    | 52.499  | ug/l  | 100    |
| 7) Trichlorofluoromethane     | 3.16 | 101  | 140959   | 50.403  | ug/l  | 96     |
| 8) Diethyl Ether              | 3.56 | 74   | 57813    | 52.450  | ug/l  | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.94 | 101  | 93532    | 51.998  | ug/l  | 100    |
| 10) Methyl Iodide             | 4.13 | 142  | 112673   | 54.165  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 5.00 | 59   | 47805    | 265.555 | ug/l  | 98     |
| 12) 1,1-Dichloroethene        | 3.91 | 96   | 94931    | 52.414  | ug/l  | 96     |
| 13) Acrolein                  | 3.76 | 56   | 55466    | 226.965 | ug/l  | 98     |
| 14) Allyl chloride            | 4.52 | 41   | 169937   | 52.926  | ug/l  | 99     |
| 15) Acrylonitrile             | 5.21 | 53   | 149744   | 254.234 | ug/l  | 99     |
| 16) Acetone                   | 3.98 | 43   | 136505   | 269.494 | ug/l  | 97     |
| 17) Carbon Disulfide          | 4.23 | 76   | 312328   | 51.298  | ug/l  | 99     |
| 18) Methyl Acetate            | 4.52 | 43   | 63569    | 48.844  | ug/l  | 99     |
| 19) Methyl tert-butyl Ether   | 5.27 | 73   | 255342   | 52.024  | ug/l  | 98     |
| 20) Methylene Chloride        | 4.76 | 84   | 113834   | 52.437  | ug/l  | 96     |
| 21) trans-1,2-Dichloroethene  | 5.27 | 96   | 107729   | 52.404  | ug/l  | 99     |
| 22) Diisopropyl ether         | 6.16 | 45   | 348840   | 53.002  | ug/l  | 98     |
| 23) Vinyl Acetate             | 6.10 | 43   | 1140463  | 264.318 | ug/l  | 98     |
| 24) 1,1-Dichloroethane        | 6.06 | 63   | 188280   | 52.826  | ug/l  | 98     |
| 25) 2-Butanone                | 7.02 | 43   | 200611   | 260.438 | ug/l  | 100    |
| 26) 2,2-Dichloropropane       | 7.02 | 77   | 155134   | 53.031  | ug/l  | 99     |
| 27) cis-1,2-Dichloroethene    | 7.02 | 96   | 119484   | 53.433  | ug/l  | 100    |
| 28) Bromochloromethane        | 7.36 | 49   | 83944    | 52.252  | ug/l  | 99     |
| 29) Tetrahydrofuran           | 7.38 | 42   | 126291   | 246.895 | ug/l  | 99     |
| 30) Chloroform                | 7.54 | 83   | 177321   | 52.953  | ug/l  | 97     |
| 31) Cyclohexane               | 7.82 | 56   | 194043   | 50.776  | ug/l  | 94     |
| 32) 1,1,1-Trichloroethane     | 7.73 | 97   | 149286   | 52.894  | ug/l  | 100    |
| 36) 1,1-Dichloropropene       | 7.94 | 75   | 149938   | 51.828  | ug/l  | 99     |
| 37) Ethyl Acetate             | 7.11 | 43   | 85093    | 50.608  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 7.93 | 117  | 128340   | 51.931  | ug/l  | 99     |

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 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 3/9/2020 11:41:06 AM

Quant Time: Mar 06 23:53:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y030420S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 05 04:05:33 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.20  | 83   | 197480   | 51.467  | ug/l   | 99       |
| 40) Benzene                    | 8.19  | 78   | 449156   | 52.381  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.35  | 41   | 42468m   | 56.123  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.26  | 62   | 113726   | 51.470  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.30  | 43   | 160023   | 50.268  | ug/l   | 99       |
| 44) Trichloroethene            | 8.96  | 130  | 108433   | 51.923  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.24  | 63   | 113817   | 52.802  | ug/l   | 99       |
| 46) Dibromomethane             | 9.32  | 93   | 57272    | 51.559  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.51  | 83   | 136442   | 52.803  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.31  | 41   | 75796    | 53.659  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.32  | 88   | 14451    | 949.425 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 10.08 | 43   | 422402   | 257.616 | ug/l   | 100      |
| 52) Toluene                    | 10.25 | 92   | 272110   | 52.238  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.47 | 75   | 148886   | 52.887  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.94  | 75   | 176246   | 52.590  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.66 | 97   | 83393    | 51.298  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.52 | 69   | 125227   | 52.554  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.80 | 76   | 148794   | 51.348  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.80  | 63   | 200258   | 238.997 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.84 | 43   | 293043   | 250.397 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.99 | 129  | 89854    | 52.454  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.10 | 107  | 78785    | 51.163  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.73 | 164  | 87098    | 50.994  | ug/l   | 92       |
| 65) Chlorobenzene              | 11.53 | 112  | 274600   | 50.600  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.60 | 131  | 92270    | 51.848  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.60 | 91   | 523309   | 51.705  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.71 | 106  | 385546   | 103.036 | ug/l   | 100      |
| 69) o-Xylene                   | 12.03 | 106  | 182179   | 51.656  | ug/l   | 99       |
| 70) Styrene                    | 12.05 | 104  | 318317   | 52.698  | ug/l   | 100      |
| 71) Bromoform                  | 12.22 | 173  | 50559    | 52.386  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.34 | 105  | 488362   | 51.366  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.15 | 43   | 148348   | 50.768  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.59 | 83   | 105170   | 51.296  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.64 | 75   | 63268m   | 42.812  | ug/l   |          |
| 77) Bromobenzene               | 12.62 | 156  | 103350   | 51.307  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.68 | 91   | 606384   | 51.697  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.77 | 91   | 332915   | 51.373  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.82 | 105  | 404989   | 51.743  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.39 | 75   | 36039    | 49.260  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.86 | 91   | 348526   | 51.654  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.08 | 119  | 337201   | 51.870  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.13 | 105  | 404027   | 52.014  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.26 | 105  | 496381   | 51.802  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.38 | 119  | 429249   | 51.930  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.38 | 146  | 201829   | 51.131  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.45 | 146  | 202088   | 50.465  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.70 | 91   | 444210   | 51.798  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.97 | 117  | 81037    | 51.967  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.75 | 146  | 182359   | 50.852  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.37 | 75   | 15306    | 47.841  | ug/l   | 96       |

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Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
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VSTDCCC050EC

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Quant Title : SW846 8260  
QLast Update : Thu Mar 05 04:05:33 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.02 | 180  | 112930   | 48.559 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.12 | 225  | 56628    | 49.944 | ug/l  | 99       |
| 95) Naphthalene            | 15.25 | 128  | 266661   | 48.341 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.44 | 180  | 101177   | 49.386 | ug/l  | 98       |

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

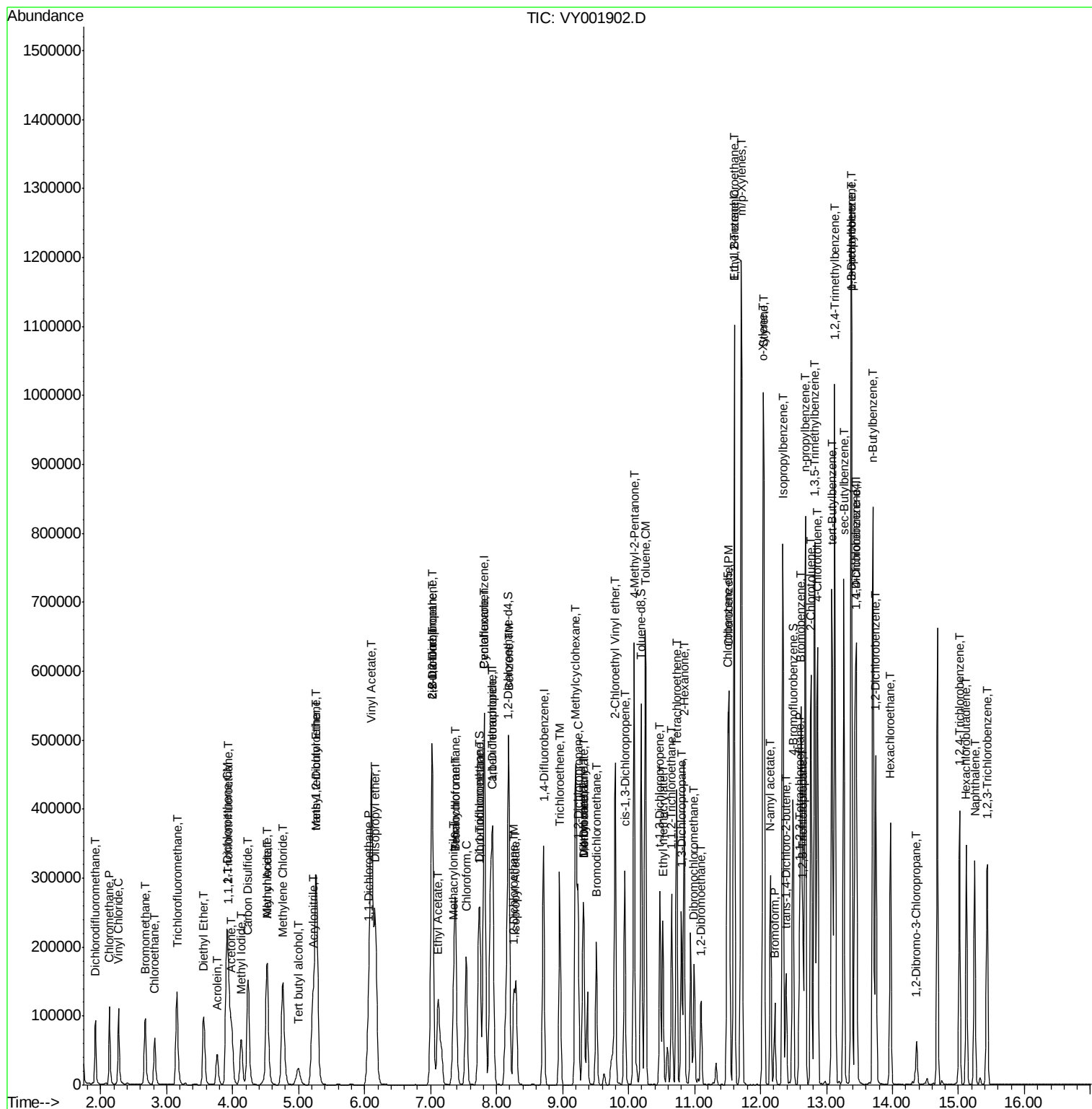
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Data File : VY001902.D  
Acq On : 06 Mar 2020 16:55  
Operator : SY/MD  
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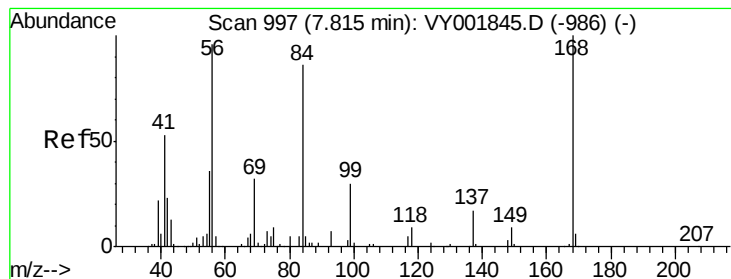
Instrument :  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 162901

Ion Ratio Lower Upper

168 100

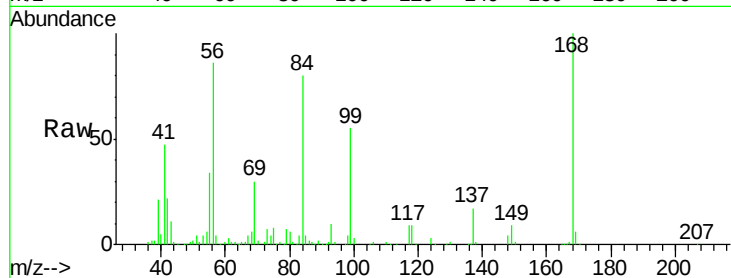
99 55.2 46.7 70.1

Manual Integrations

APPROVED

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3/9/2020 11:41:06 AM



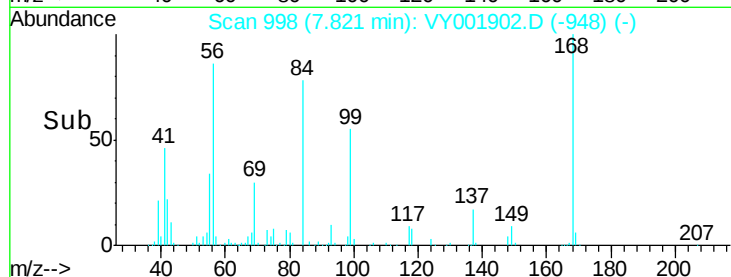
Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.82

7.80

7.90



Abundance

Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

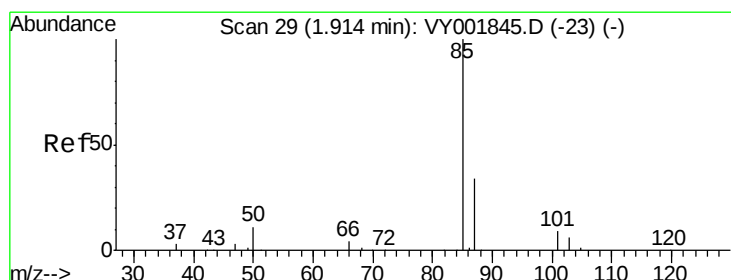
Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.82

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 48.735 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY001902.D

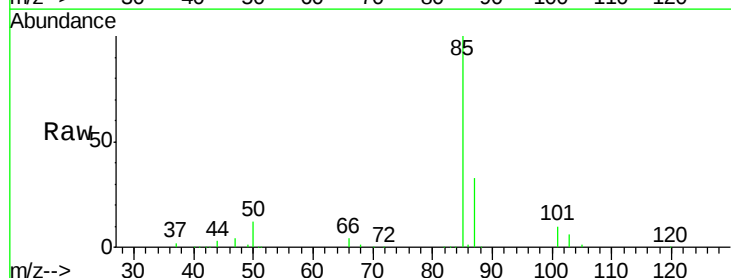
Acq: 06 Mar 2020 16:55

Tgt Ion: 85 Resp: 73283

Ion Ratio Lower Upper

85 100

87 33.1 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001845.D (-23) (-)

1.92

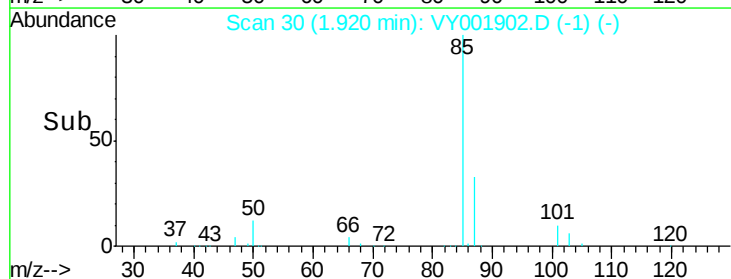
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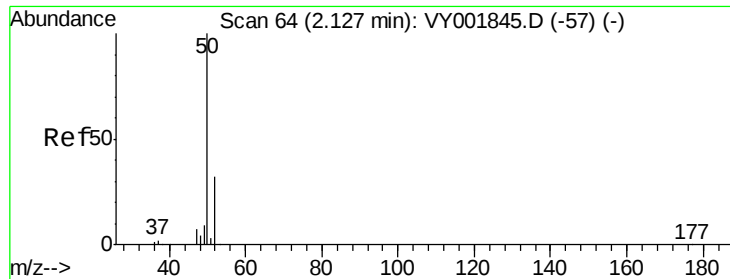
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 51.190 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

Tot Ion: 50 Resp: 103778

Ion Ratio Lower Upper

50 100

52 30.9 25.8 38.6

Instrument :

MSVOA\_Y

ClientSampleId :

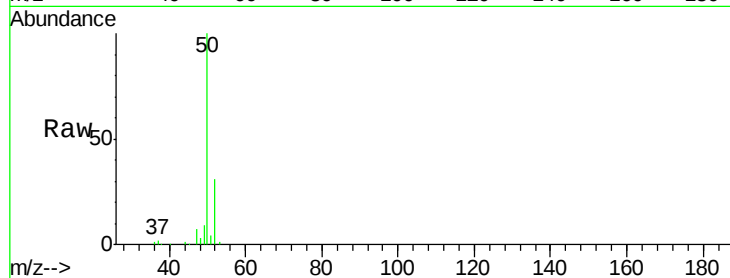
VSTDCCC050EC

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.13

80000

60000

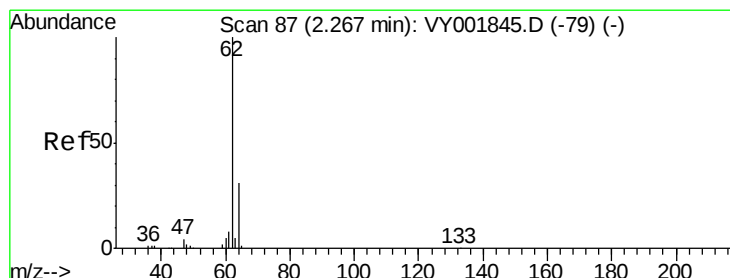
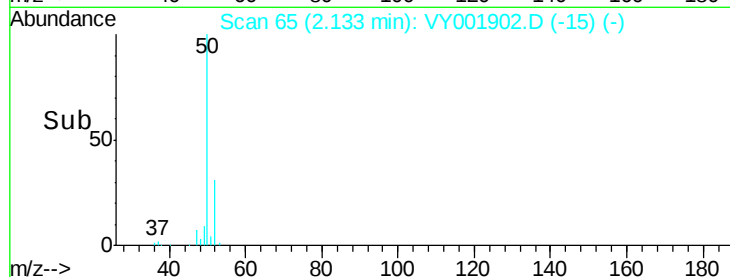
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20000

0

Time-->

2.05 2.10 2.15 2.20 2.25



#4

Vinyl Chloride

Concen: 51.080 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.00 min

Lab File: VY001902.D

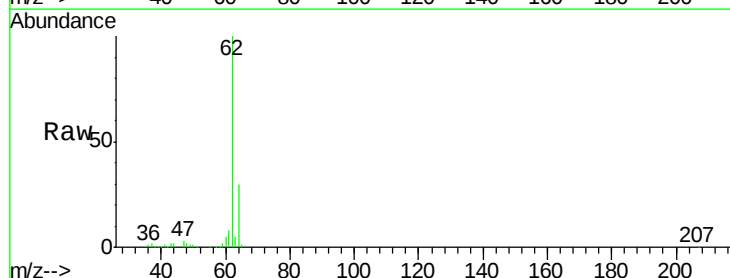
Acq: 06 Mar 2020 16:55

Tgt Ion: 62 Resp: 105333

Ion Ratio Lower Upper

62 100

64 30.0 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.27

60000

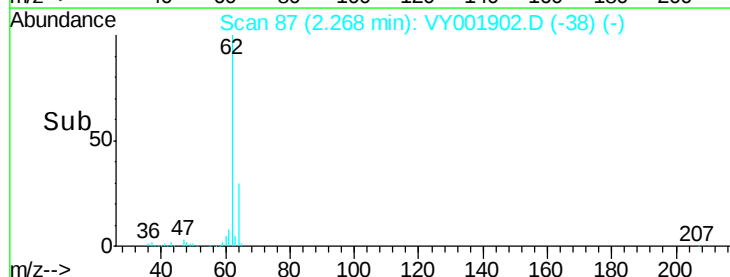
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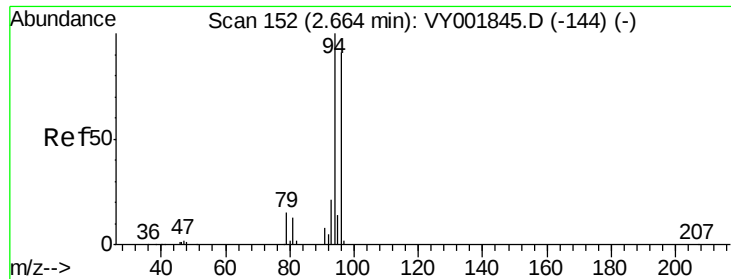
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Time-->

2.20 2.30 2.40





#5

Bromomethane

Concen: 58.427 ug/l

RT: 2.68 min Scan# 154

Delta R.T. 0.01 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 69183

Ion Ratio Lower Upper

94 100

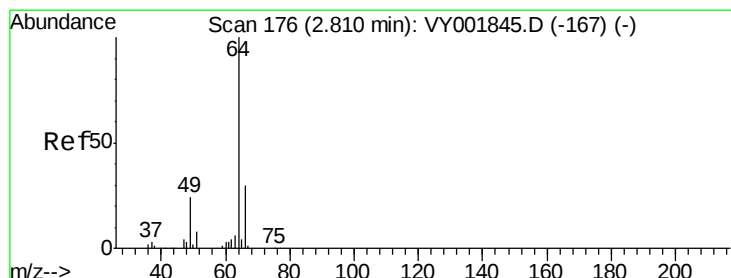
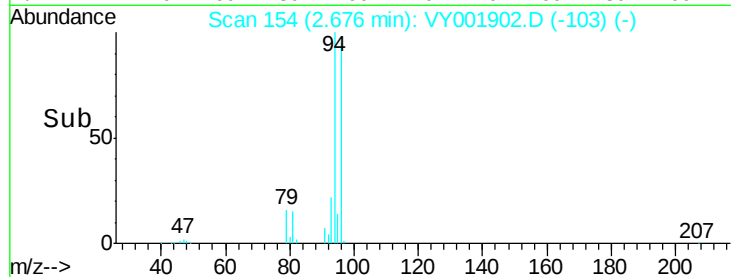
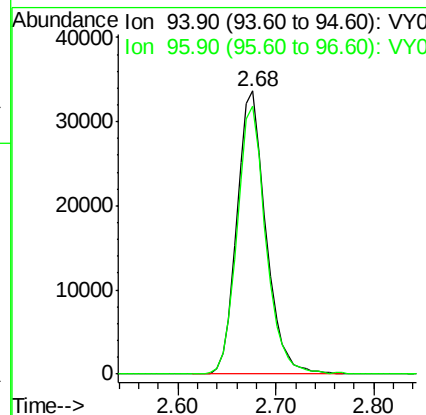
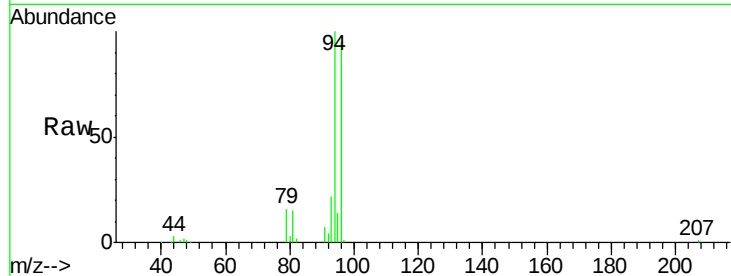
96 94.6 73.2 109.8

Manual Integrations

APPROVED

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3/9/2020 11:41:06 AM



#6

Chloroethane

Concen: 52.499 ug/l

RT: 2.82 min Scan# 178

Delta R.T. 0.01 min

Lab File: VY001902.D

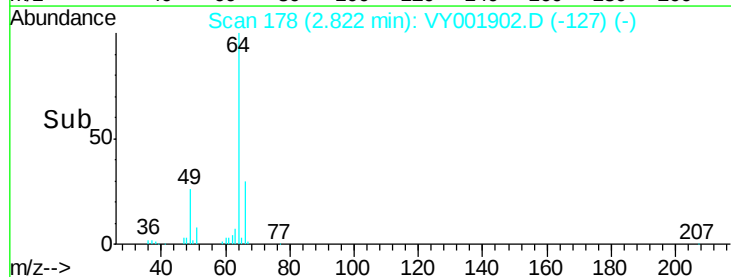
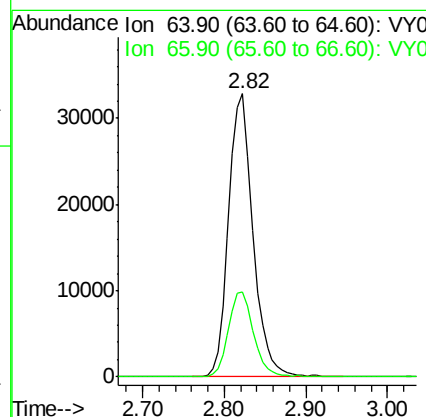
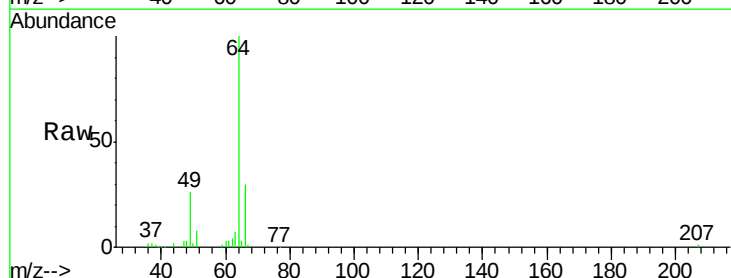
Acq: 06 Mar 2020 16:55

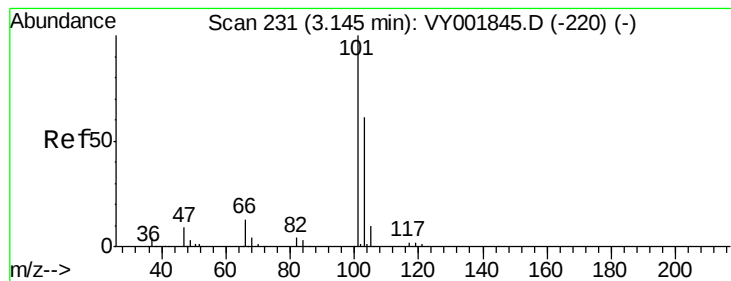
Tgt Ion: 64 Resp: 68006

Ion Ratio Lower Upper

64 100

66 29.8 23.8 35.8





#7

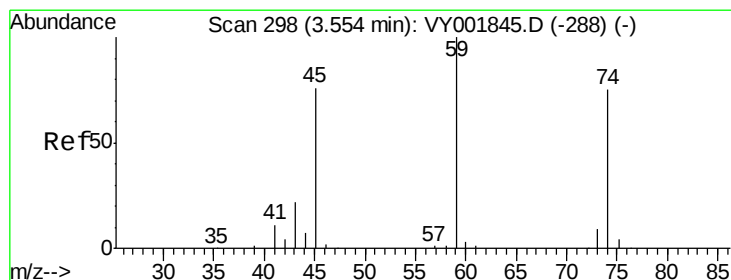
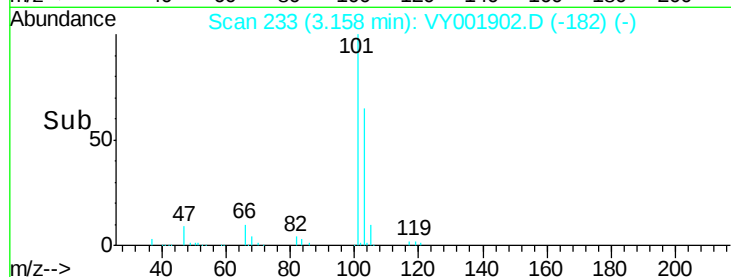
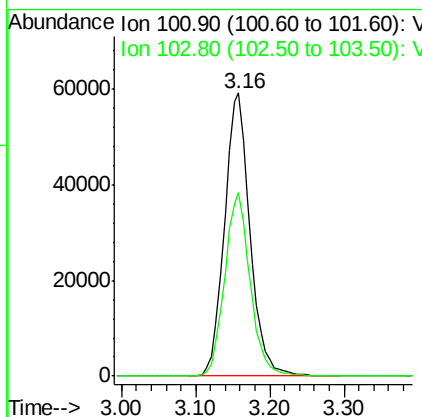
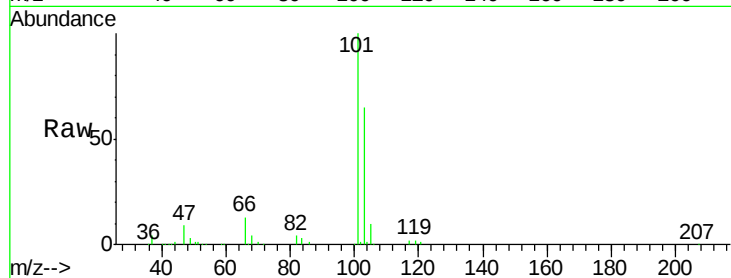
Trichlorofluoromethane  
 Concen: 50.403 ug/l  
 RT: 3.16 min Scan# 233  
 Delta R.T. 0.01 min  
 Lab File: VY001902.D  
 Acq: 06 Mar 2020 16:55

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.7  | 49.1  | 73.7  |

Manual Integrations  
 APPROVED

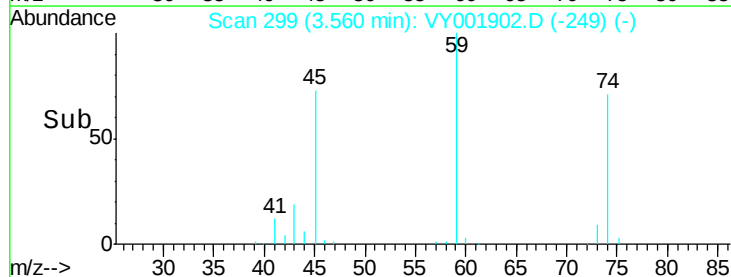
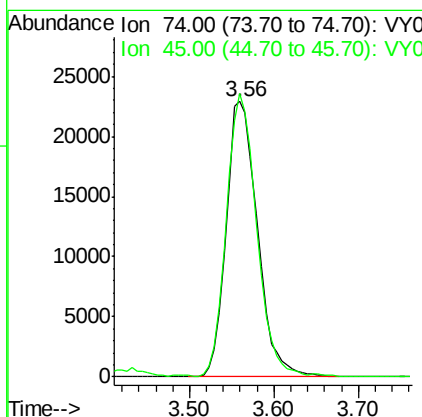
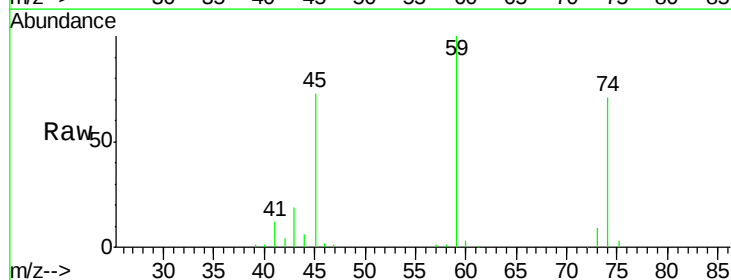
MMDadoda  
 3/9/2020 11:41:06 AM



#8

Diethyl Ether  
 Concen: 52.450 ug/l  
 RT: 3.56 min Scan# 299  
 Delta R.T. 0.01 min  
 Lab File: VY001902.D  
 Acq: 06 Mar 2020 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 99.5  | 50.5  | 151.5 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.998 ug/l

RT: 3.94 min Scan# 361

Delta R.T. 0.01 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

Instrument :

MSVOA\_Y

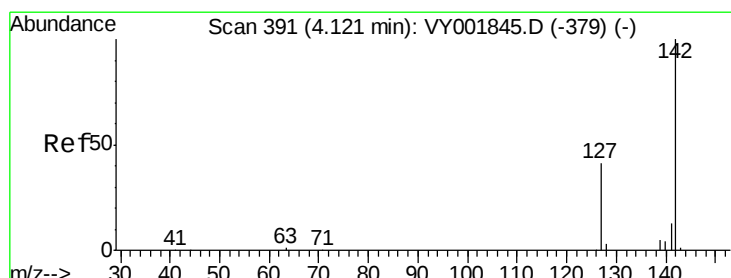
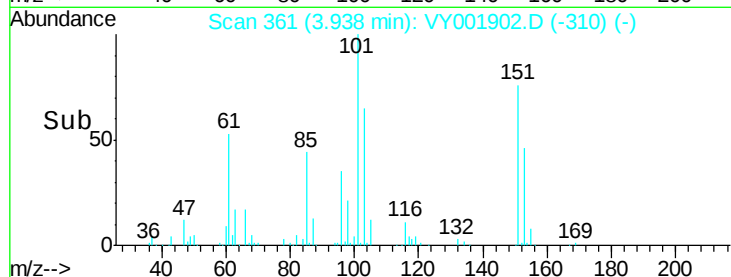
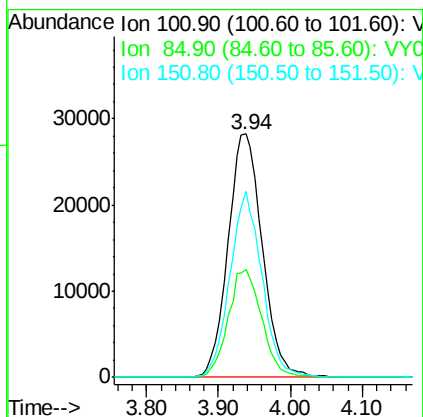
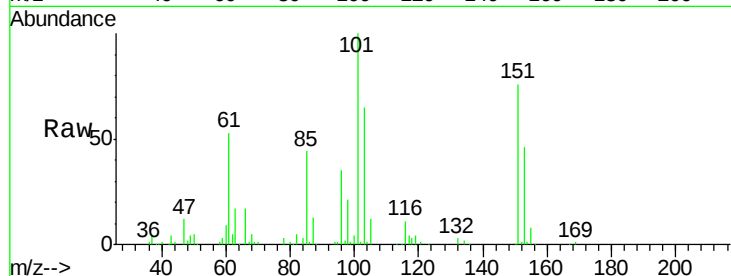
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 93532 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.5  | 35.3  | 52.9  |
| 151       | 71.1  | 57.0  | 85.4  |

Manual Integrations  
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3/9/2020 11:41:06 AM



#10

Methyl Iodide

Concen: 54.165 ug/l

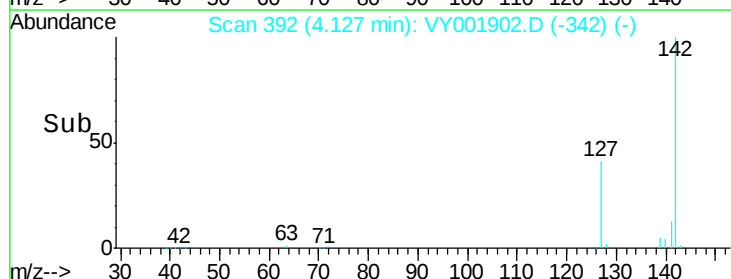
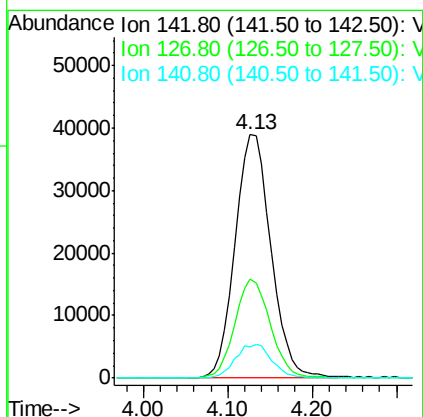
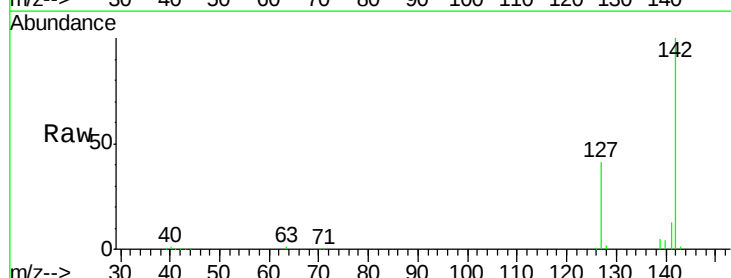
RT: 4.13 min Scan# 392

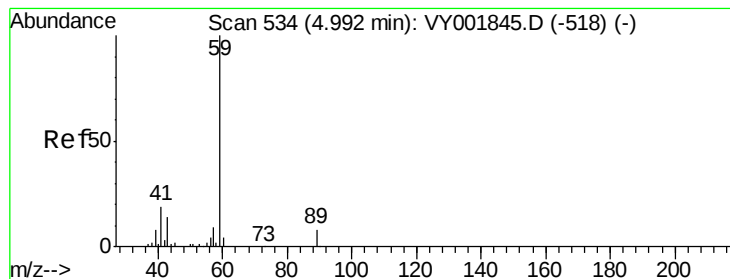
Delta R.T. 0.01 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 112673 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 40.3  | 32.7  | 49.1   |
| 141       | 14.2  | 11.0  | 16.6   |





#11

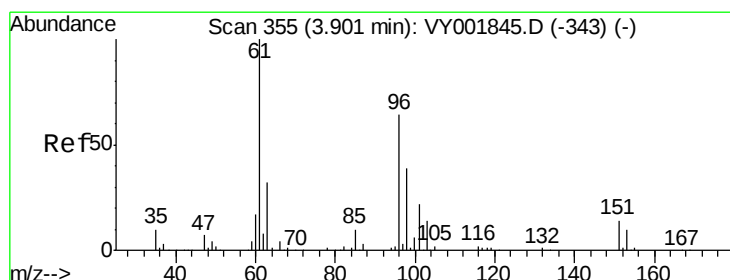
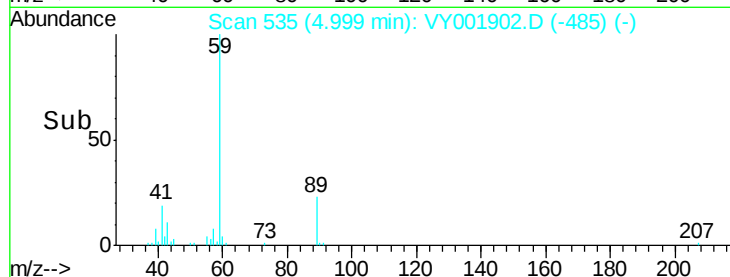
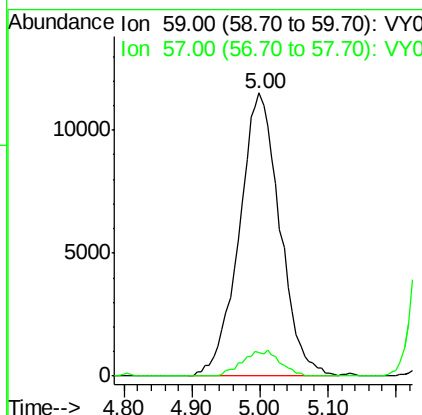
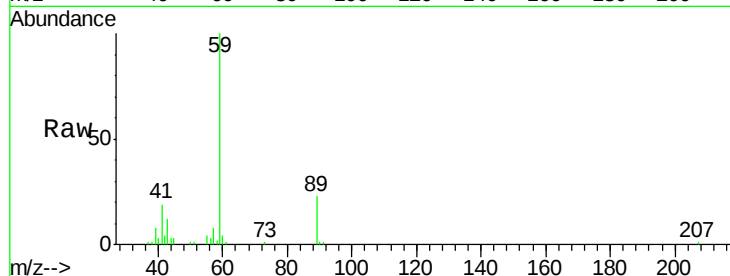
Tert butyl alcohol  
Concen: 265.555 ug/l  
RT: 5.00 min Scan# 535  
Delta R.T. 0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 8.4   | 7.4   | 11.2  |

Manual Integrations  
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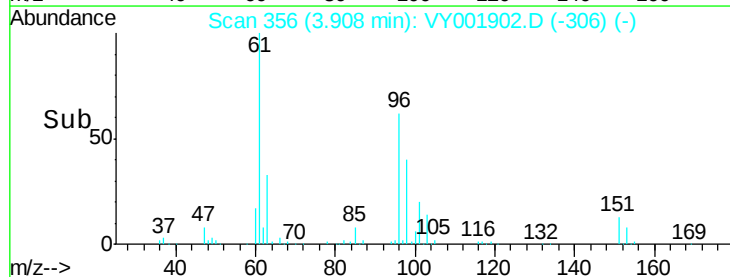
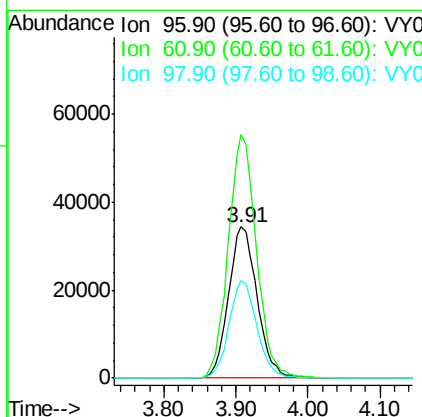
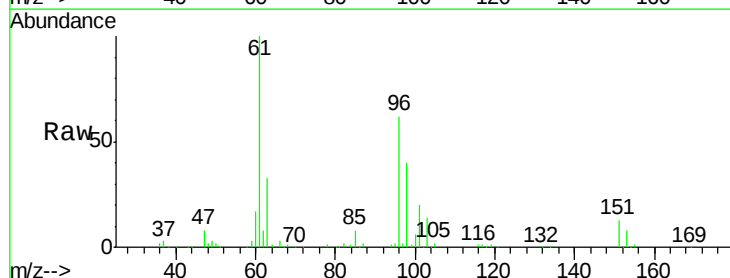
MMDadoda  
3/9/2020 11:41:06 AM

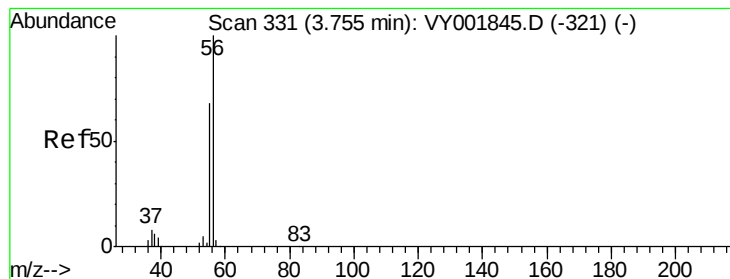


#12

1,1-Dichloroethene  
Concen: 52.414 ug/l  
RT: 3.91 min Scan# 356  
Delta R.T. 0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 161.3 | 124.8 | 187.2 |
| 98      | 64.9  | 49.2  | 73.8  |





#13

Acrolein

Concen: 226.965 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.01 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 55466

Ion Ratio Lower Upper

56 100

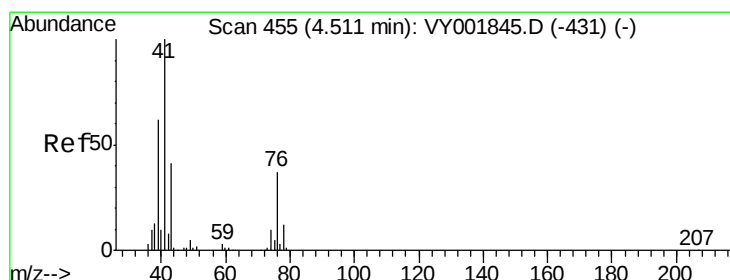
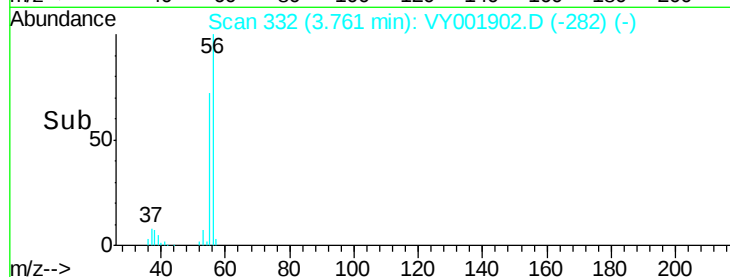
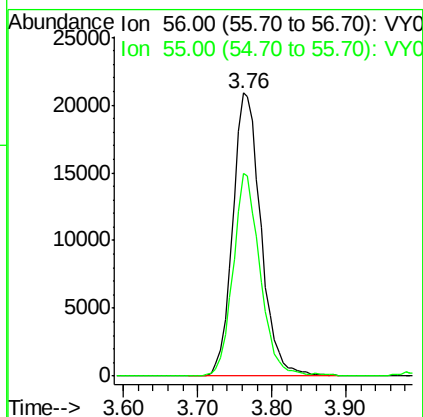
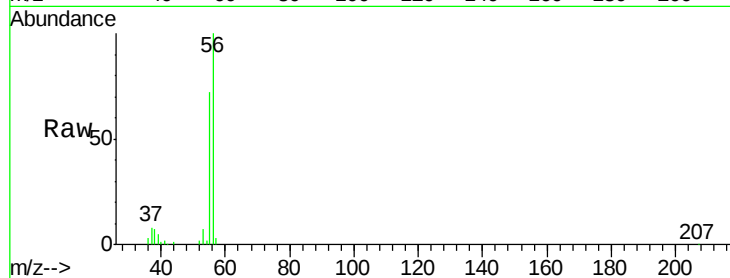
55 69.0 54.0 81.0

Manual Integrations

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#14

Allyl chloride

Concen: 52.926 ug/l

RT: 4.52 min Scan# 457

Delta R.T. 0.01 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

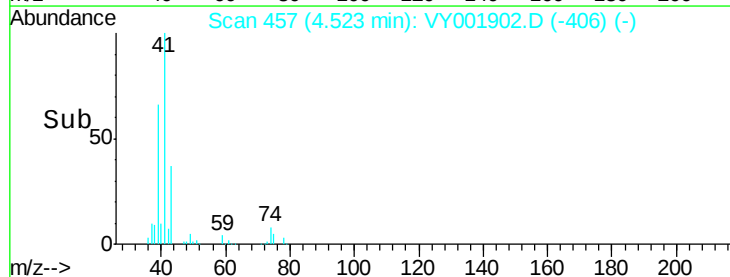
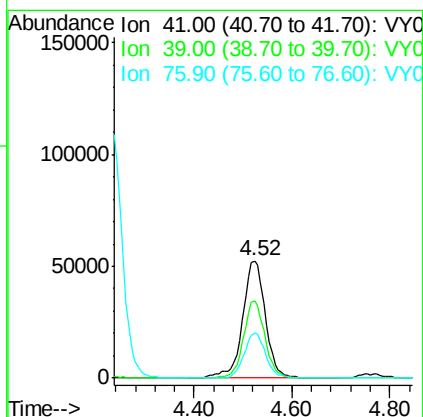
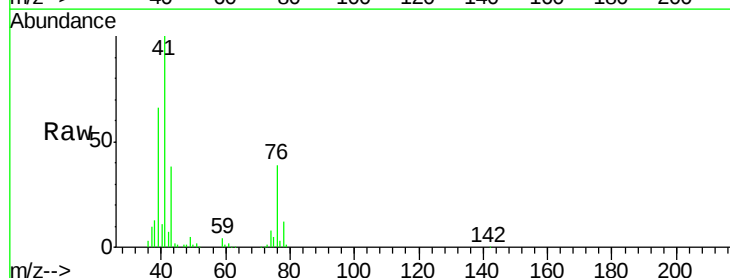
Tgt Ion: 41 Resp: 169937

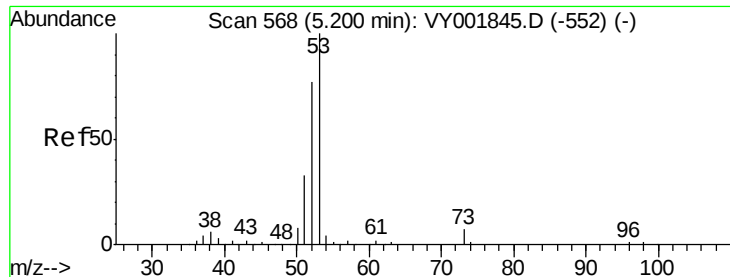
Ion Ratio Lower Upper

41 100

39 61.9 49.0 73.6

76 36.1 28.9 43.3





#15

Acrylonitrile

Concen: 254.234 ug/l

RT: 5.21 min Scan# 570

Delta R.T. 0.01 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

Instrument :

MSVOA\_Y

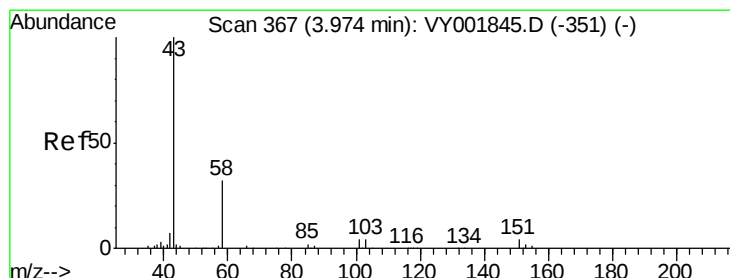
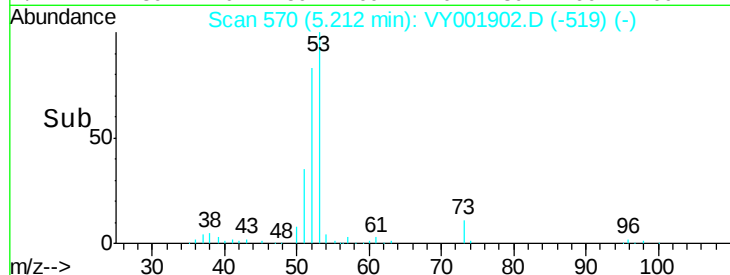
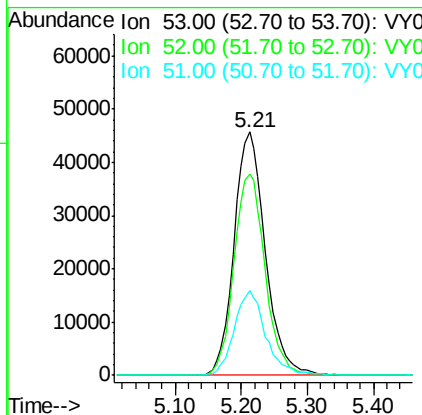
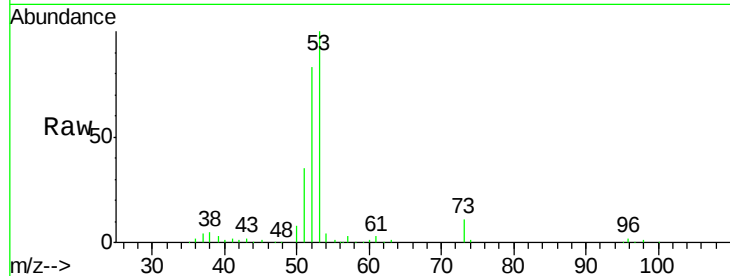
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 149744 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.5  | 65.1  | 97.7   |
| 51       | 35.0  | 27.5  | 41.3   |

Manual Integrations  
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#16

Acetone

Concen: 269.494 ug/l

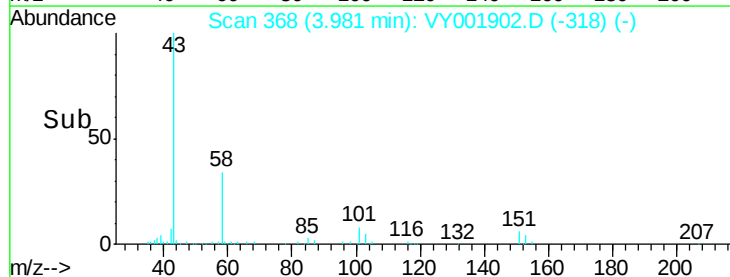
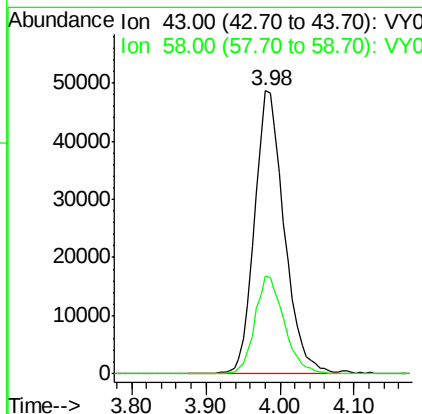
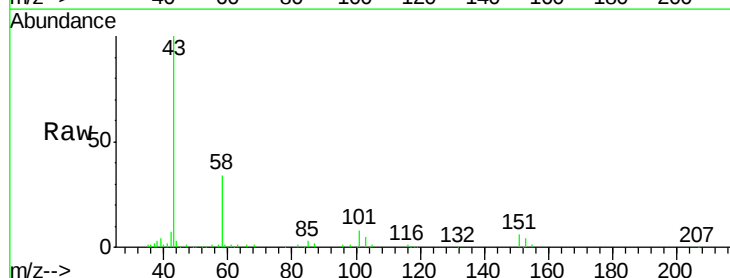
RT: 3.98 min Scan# 368

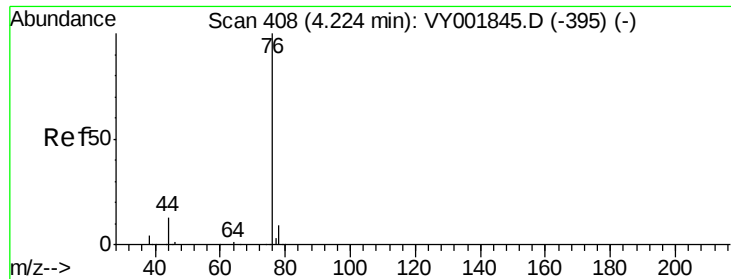
Delta R.T. 0.01 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 136505 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 34.3  | 25.9  | 38.9   |





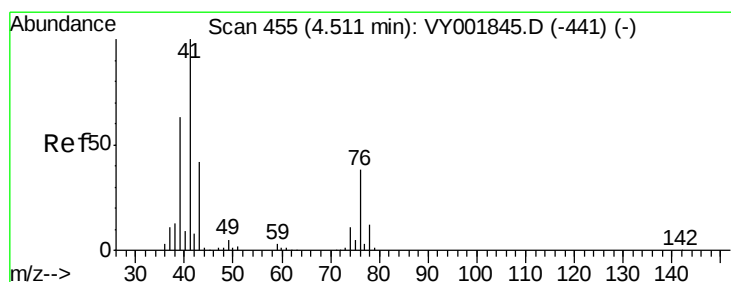
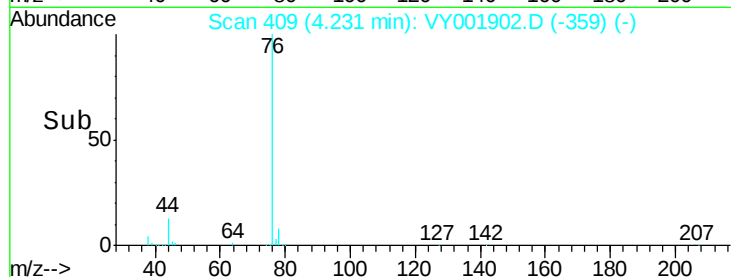
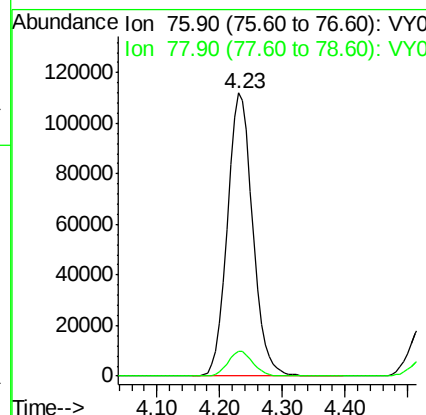
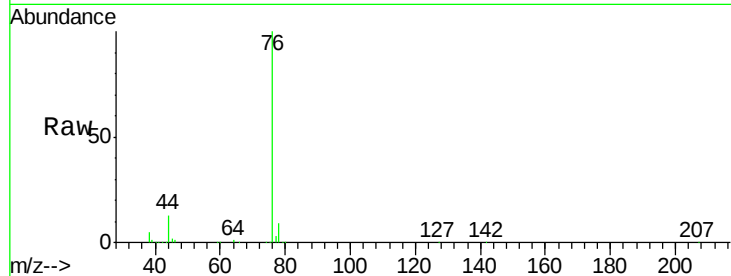
#17  
Carbon Disulfide  
Concen: 51.298 ug/l  
RT: 4.23 min Scan# 409  
Delta R.T. 0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.8   | 7.4   | 11.2  |

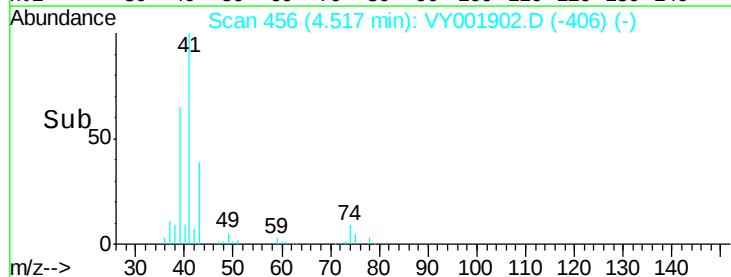
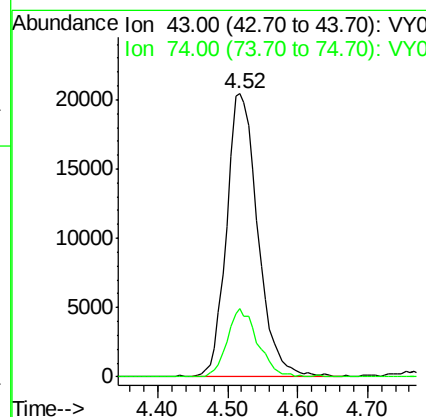
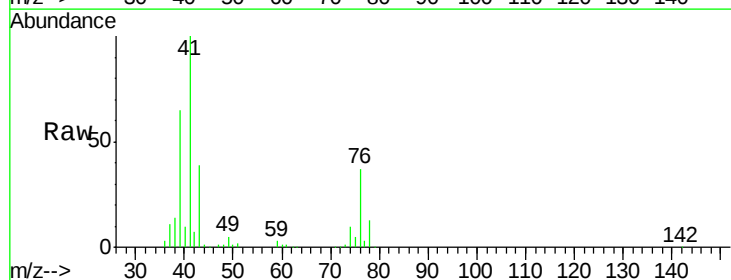
Manual Integrations  
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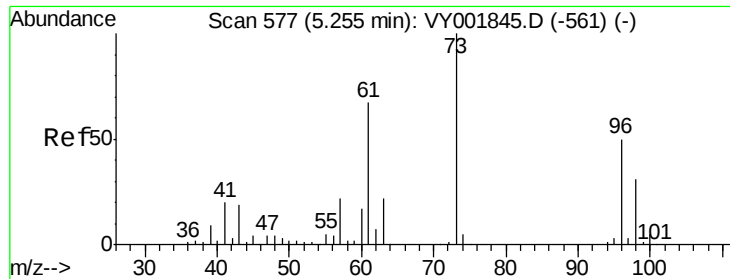
MMDadoda  
3/9/2020 11:41:06 AM



#18  
Methyl Acetate  
Concen: 48.844 ug/l  
RT: 4.52 min Scan# 456  
Delta R.T. 0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.3  | 19.0  | 28.6  |





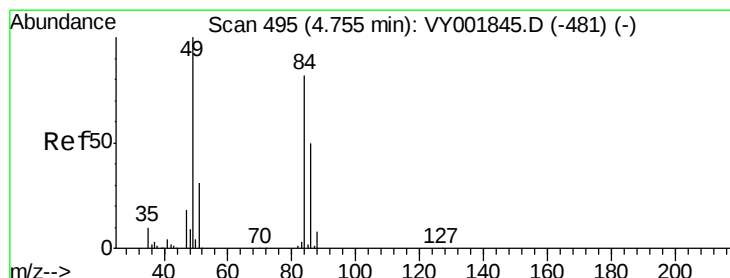
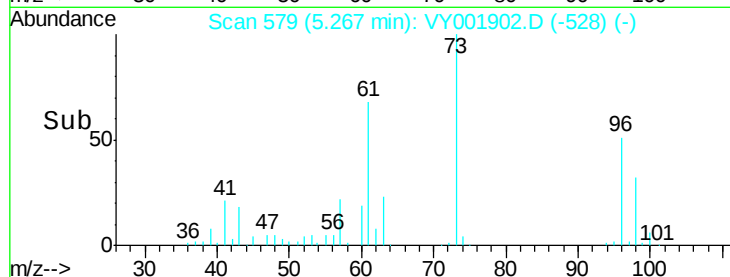
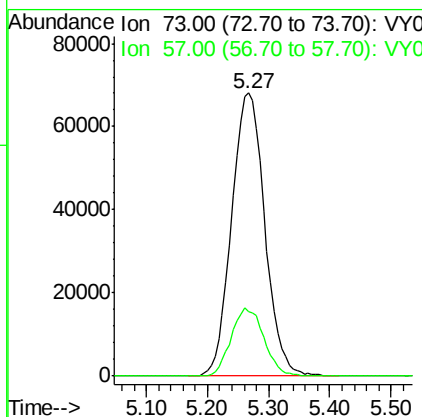
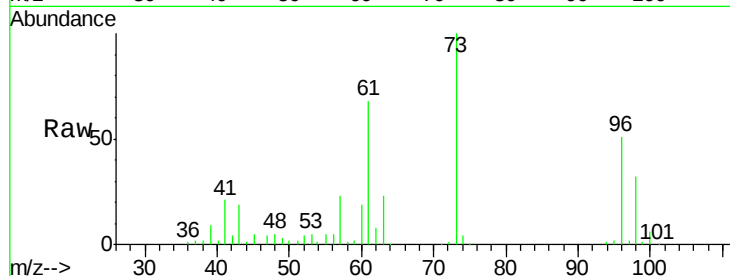
#19  
Methvl tert-butvl Ether  
Concen: 52.024 ug/l  
RT: 5.27 min Scan# 579  
Delta R.T. 0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 255342  
Ion Ratio Lower Upper  
73 100  
57 22.9 17.4 26.2

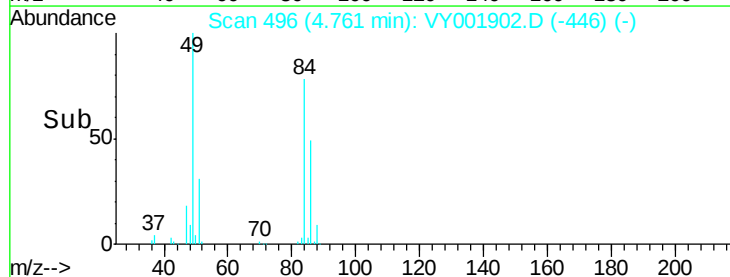
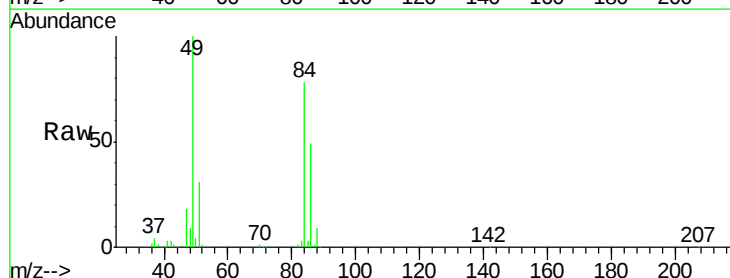
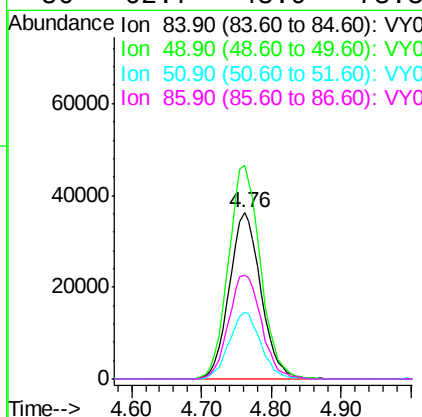
Manual Integrations  
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3/9/2020 11:41:06 AM



#20  
Methylene Chloride  
Concen: 52.437 ug/l  
RT: 4.76 min Scan# 496  
Delta R.T. 0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Tgt Ion: 84 Resp: 113834  
Ion Ratio Lower Upper  
84 100  
49 128.4 98.2 147.2  
51 40.0 30.2 45.2  
86 62.7 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 52.404 ug/l

RT: 5.27 min Scan# 579

Delta R.T. 0.01 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

Instrument :

MSVOA\_Y

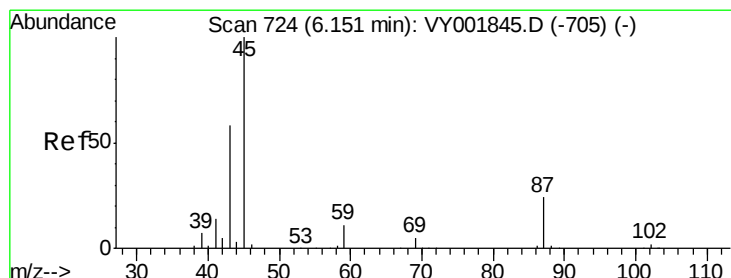
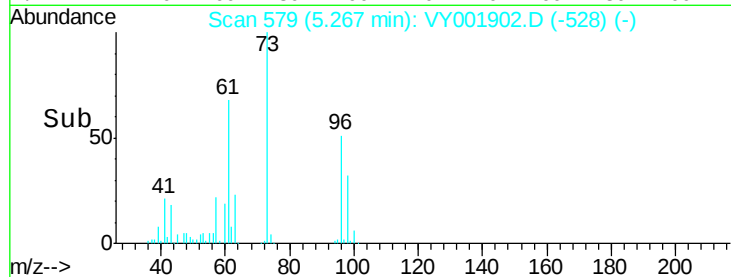
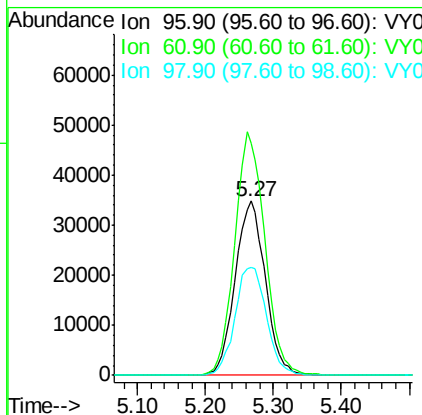
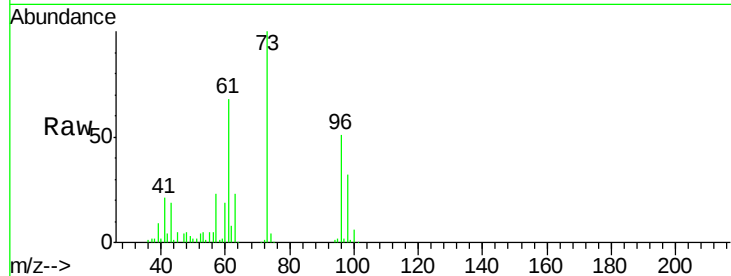
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 107729 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 133.2 | 107.7 | 161.5  |
| 98       | 62.1  | 49.3  | 73.9   |

Manual Integrations  
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MMDadoda  
3/9/2020 11:41:06 AM



#22

Diisopropyl ether

Concen: 53.002 ug/l

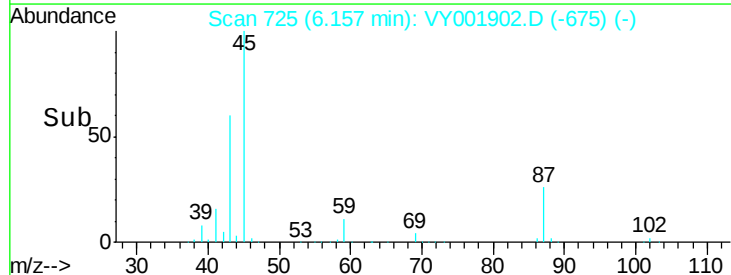
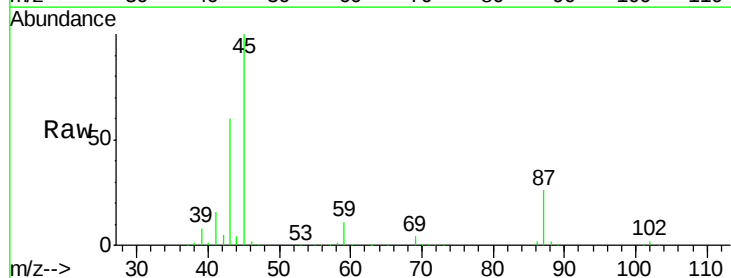
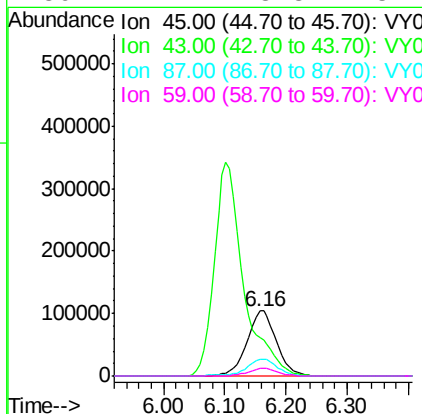
RT: 6.16 min Scan# 725

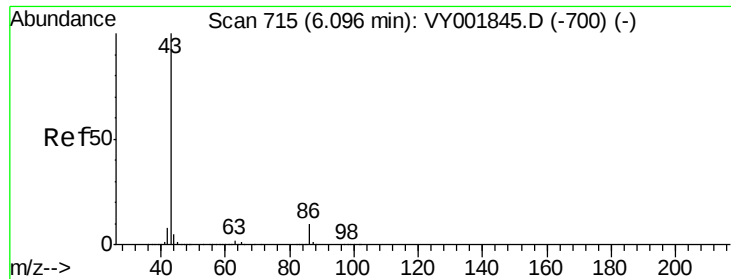
Delta R.T. 0.01 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 348840 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 59.8  | 47.2  | 70.8   |
| 87       | 26.3  | 19.8  | 29.8   |
| 59       | 11.4  | 8.8   | 13.2   |





#23

Vinyl Acetate

Concen: 264.318 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.01 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

Tot Ion: 43 Resp: 1140463

Ion Ratio Lower Upper

43 100

86 10.5 7.8 11.8

Instrument :

MSVOA\_Y

ClientSampleId :

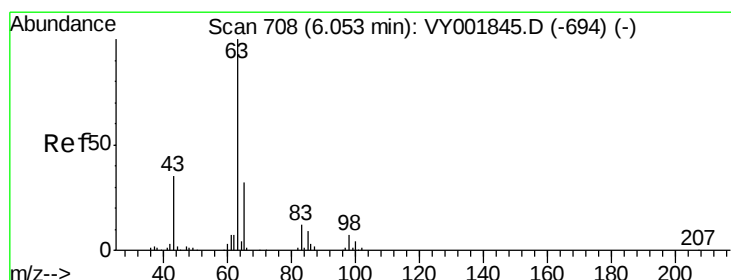
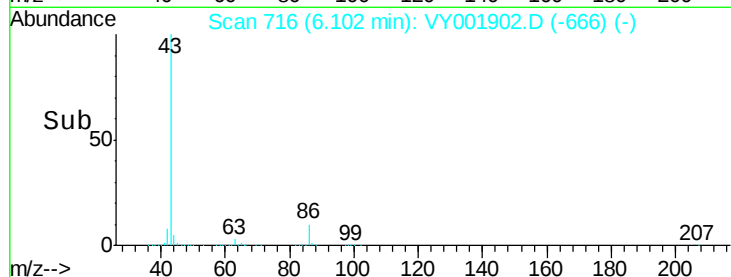
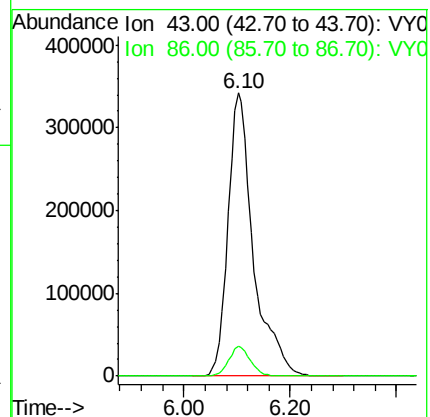
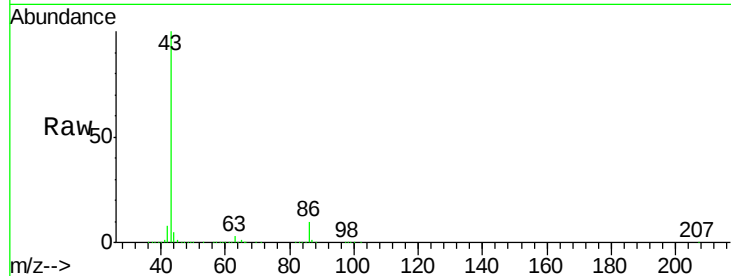
VSTDCCC050EC

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.826 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.01 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

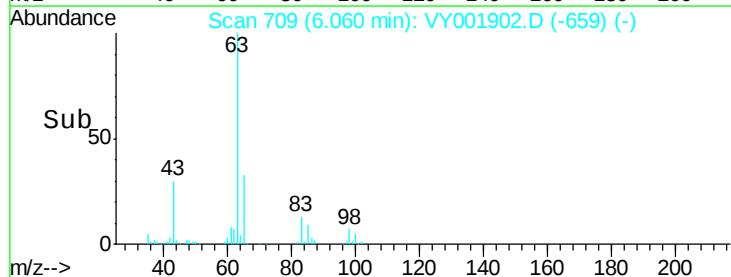
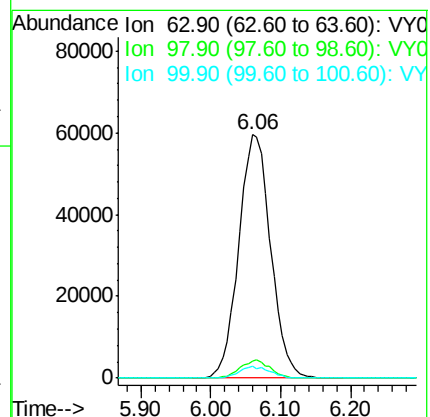
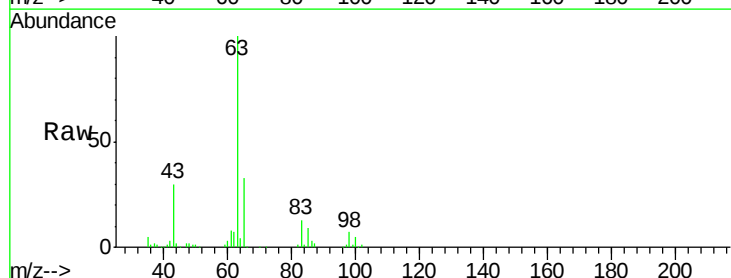
Tgt Ion: 63 Resp: 188280

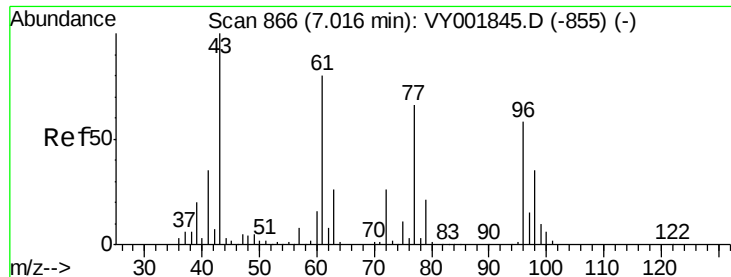
Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.2

100 4.7 2.0 6.0





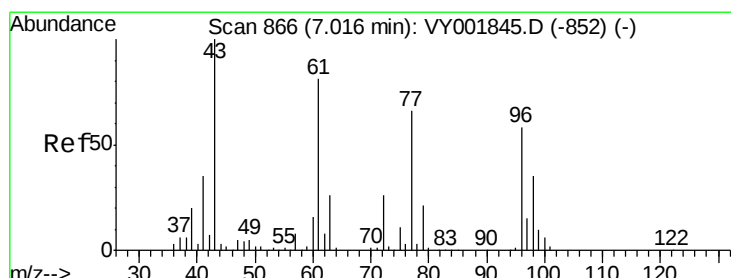
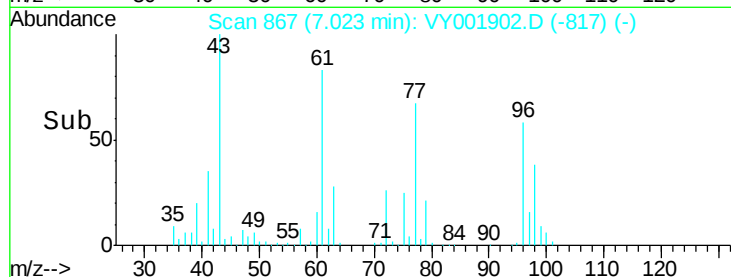
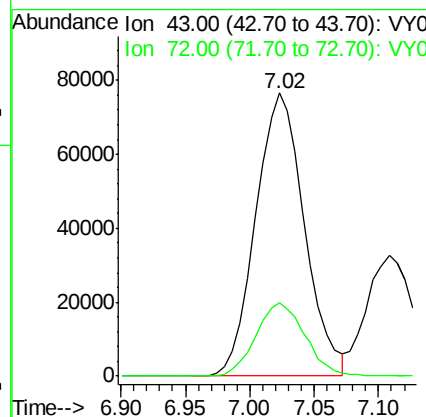
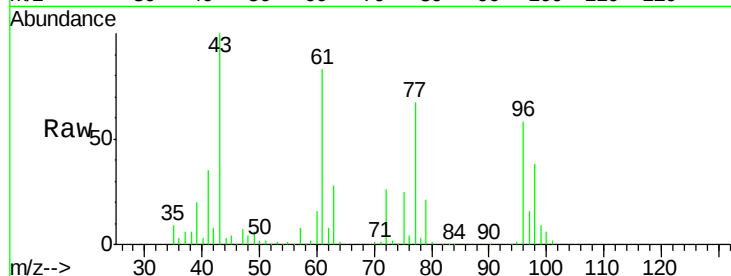
#25  
2-Butanone  
Concen: 260.438 ug/l  
RT: 7.02 min Scan# 867  
Delta R.T. 0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 200611  
Ion Ratio Lower Upper  
43 100  
72 25.9 20.9 31.3

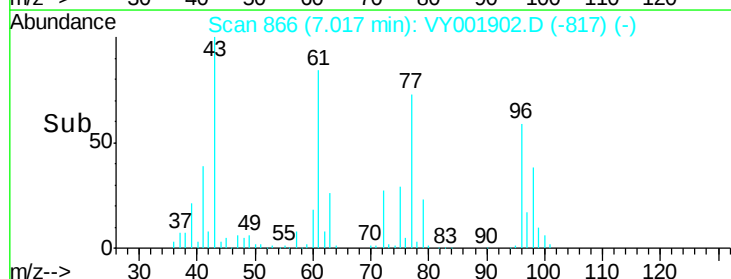
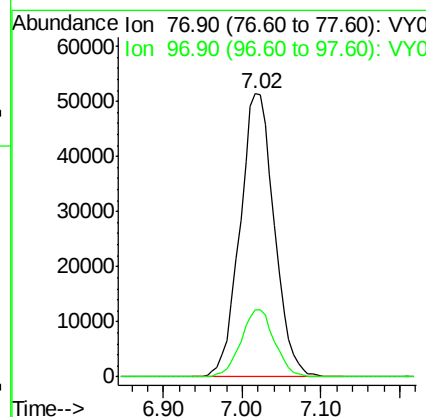
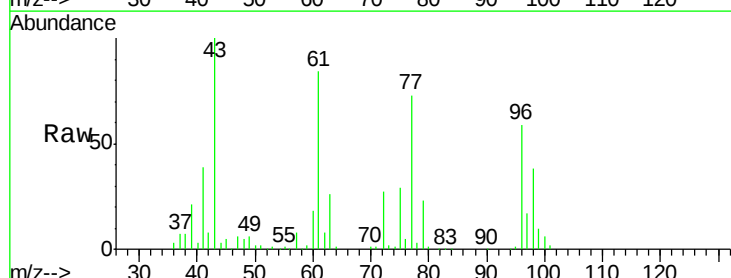
Manual Integrations  
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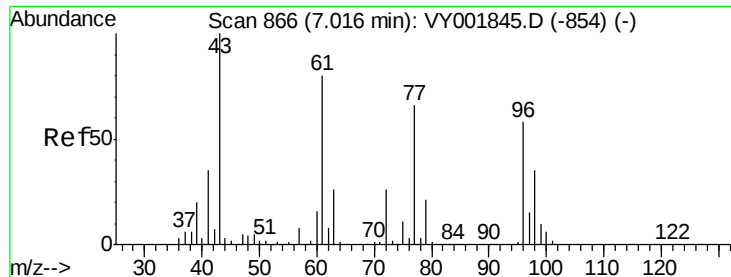
MMDadoda  
3/9/2020 11:41:06 AM



#26  
2,2-Dichloropropane  
Concen: 53.031 ug/l  
RT: 7.02 min Scan# 866  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Tgt Ion: 77 Resp: 155134  
Ion Ratio Lower Upper  
77 100  
97 23.3 11.9 35.7





#27

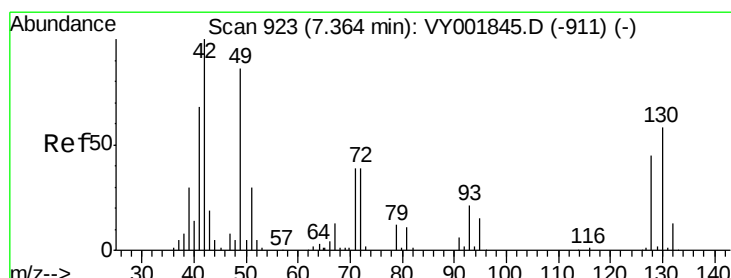
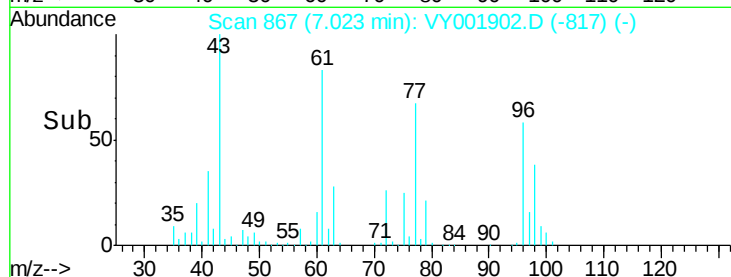
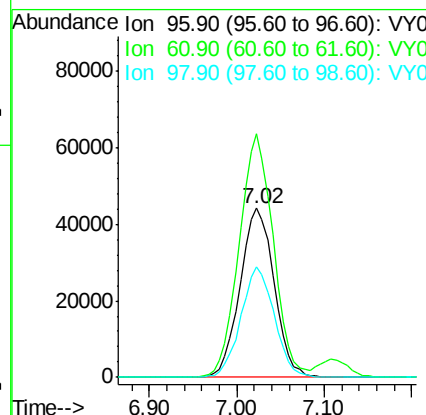
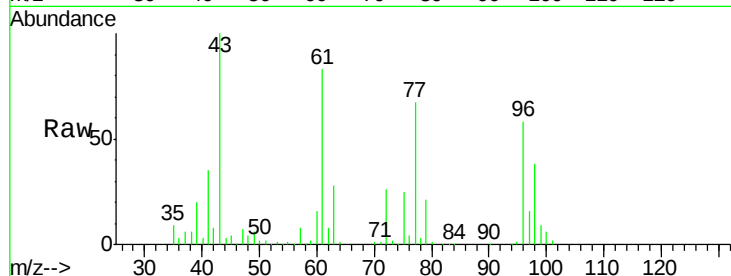
cis-1,2-Dichloroethene  
Concen: 53.433 ug/l  
RT: 7.02 min Scan# 867  
Delta R.T. 0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 144.2 | 0.0   | 288.2 |
| 98      | 64.2  | 0.0   | 129.0 |

Manual Integrations  
APPROVED

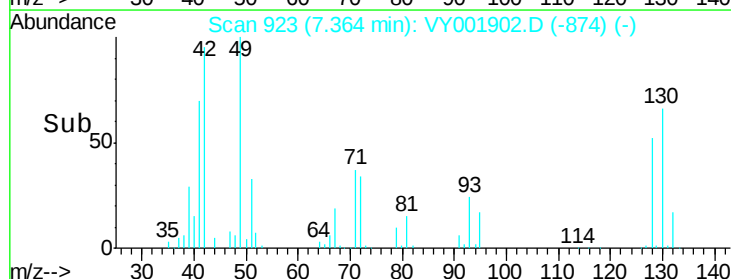
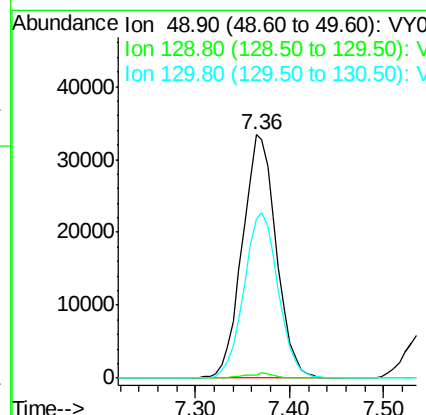
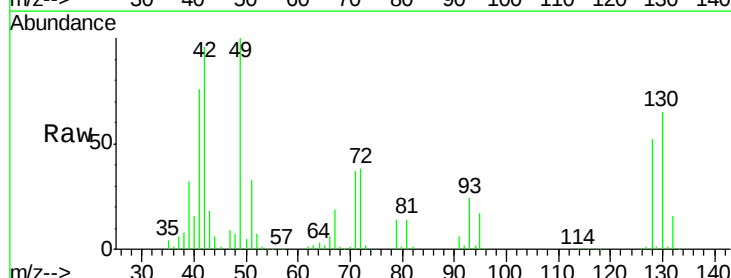
MMDadoda  
3/9/2020 11:41:06 AM

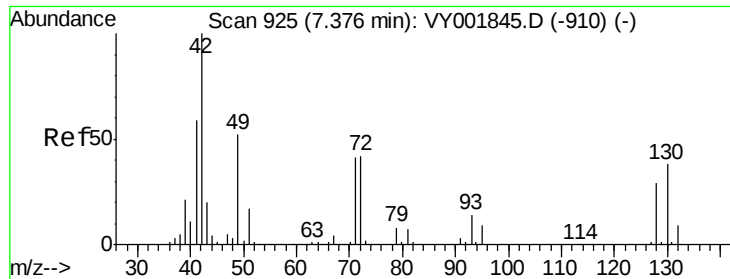


#28

Bromochloromethane  
Concen: 52.252 ug/l  
RT: 7.36 min Scan# 923  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.8   | 0.0   | 3.8   |
| 130     | 68.7  | 54.4  | 81.6  |





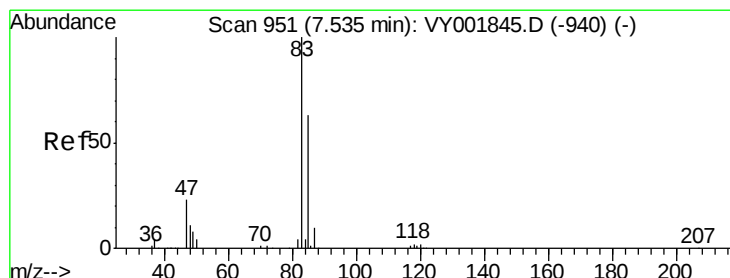
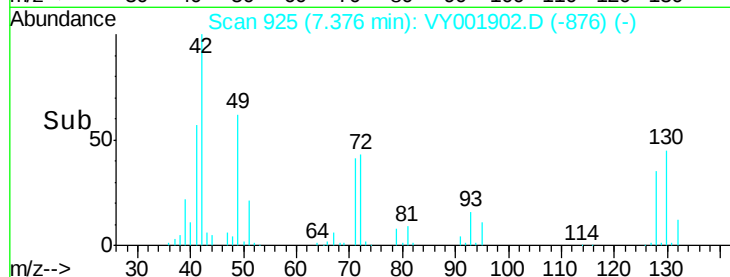
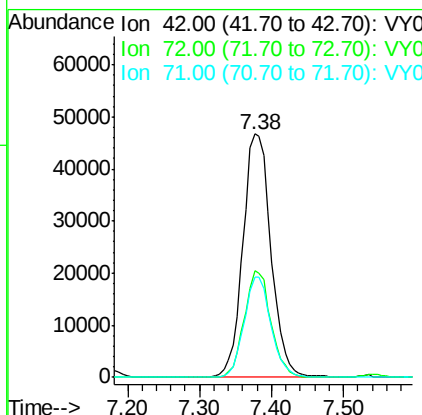
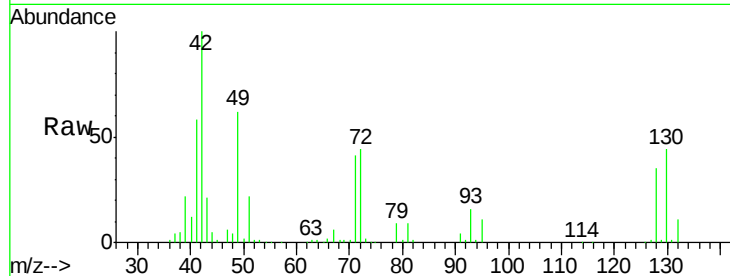
#29  
Tetrahydrofuran  
Concen: 246.895 ug/l  
RT: 7.38 min Scan# 925  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.4  | 33.5  | 50.3  |
| 71      | 39.4  | 31.3  | 46.9  |

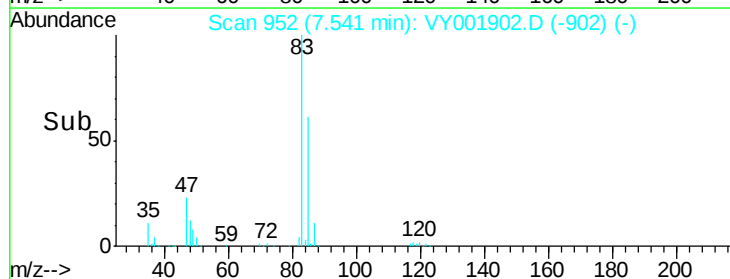
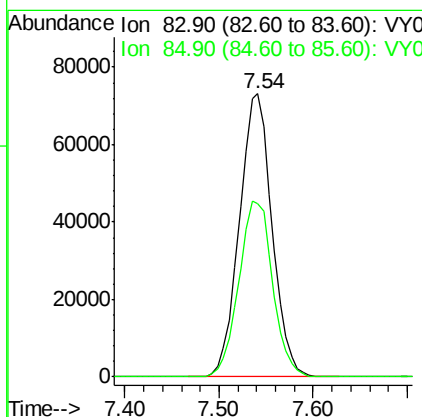
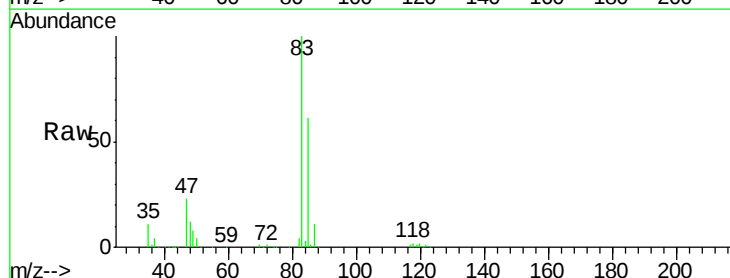
Manual Integrations  
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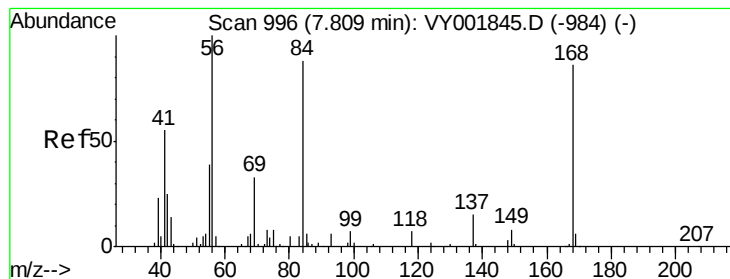
MMDadoda  
3/9/2020 11:41:06 AM



#30  
Chloroform  
Concen: 52.953 ug/l  
RT: 7.54 min Scan# 952  
Delta R.T. 0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 61.2  | 50.7  | 76.1  |





#31

Cvclohexane

Concen: 50.776 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 194043

Ion Ratio Lower Upper

56 100

69 31.3 26.7 40.1

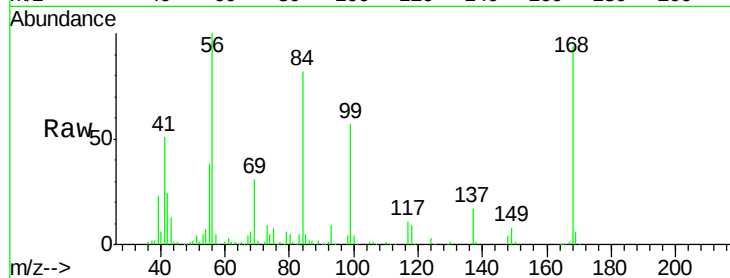
84 81.4 70.4 105.6

Manual Integrations

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MMDadoda

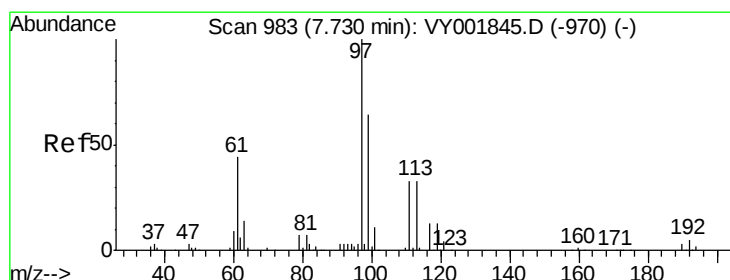
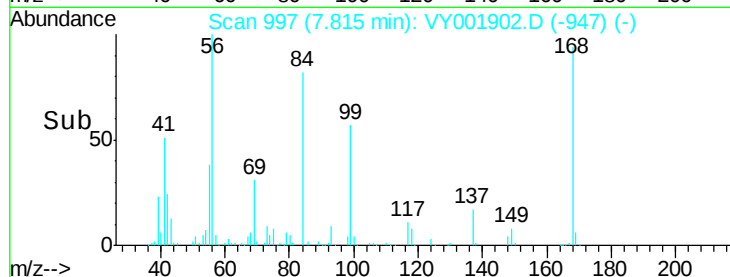
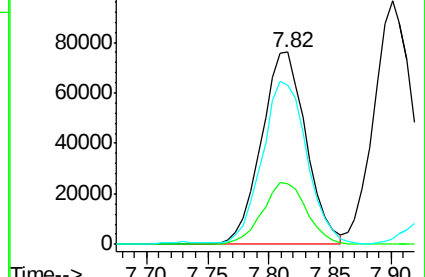
3/9/2020 11:41:06 AM



Abundance Ion 56.00 (55.70 to 56.70): VY001845.D (-984) (-)

Ion 69.00 (68.70 to 69.70): VY001845.D (-984) (-)

Ion 84.00 (83.70 to 84.70): VY001845.D (-984) (-)



#32

1,1,1-Trichloroethane

Concen: 52.894 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

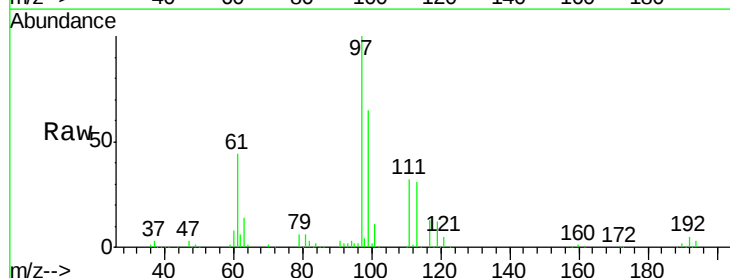
Tgt Ion: 97 Resp: 149286

Ion Ratio Lower Upper

97 100

99 65.0 52.0 78.0

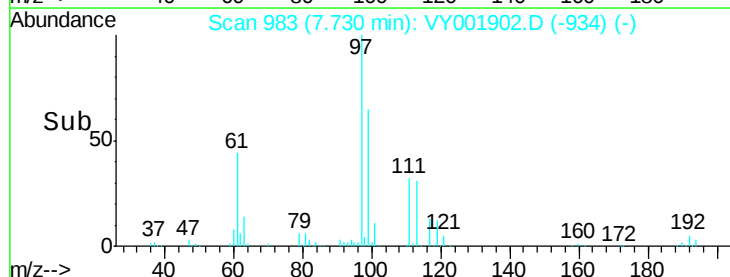
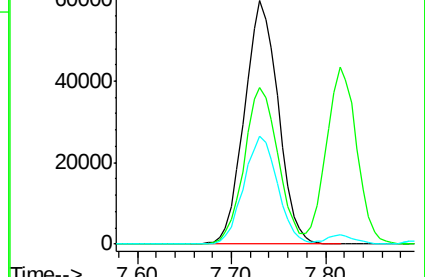
61 44.5 35.0 52.4

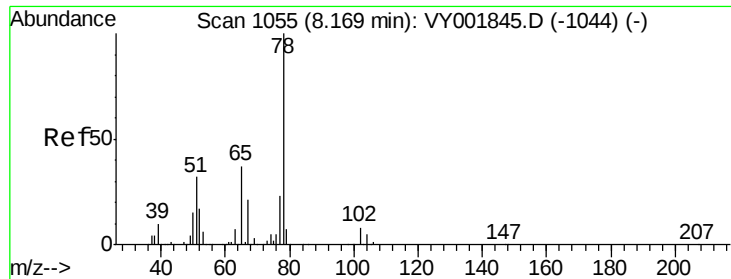


Abundance Ion 96.90 (96.60 to 97.60): VY001845.D (-970) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-970) (-)

Ion 60.90 (60.60 to 61.60): VY001845.D (-970) (-)





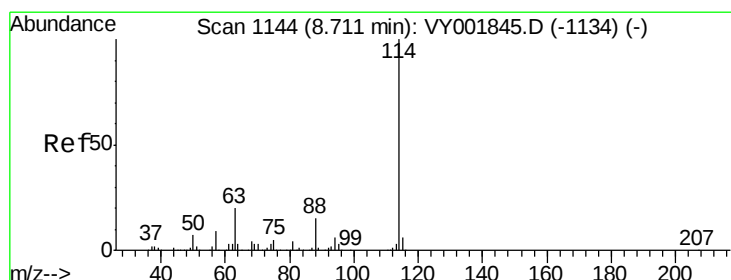
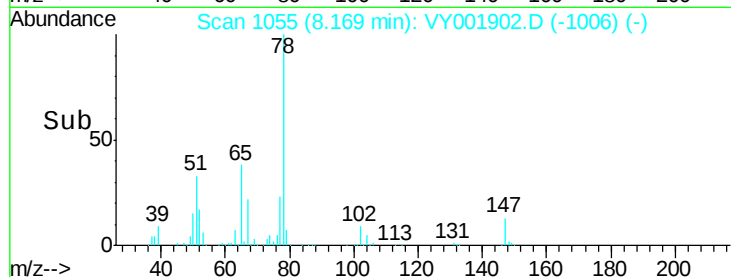
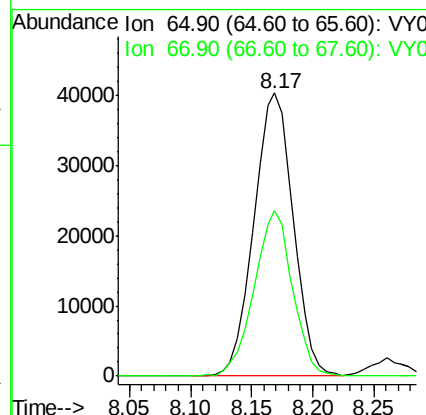
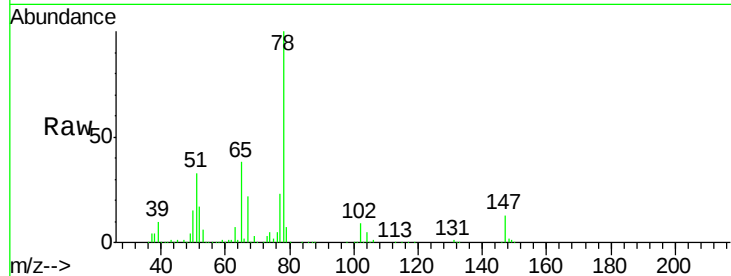
#33  
 1,2-Dichloroethane-d4  
 Concen: 51.838 ug/l  
 RT: 8.17 min Scan# 1055  
 Delta R.T. 0.00 min  
 Lab File: VY001902.D  
 Acq: 06 Mar 2020 16:55

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 57.1  | 0.0   | 110.8 |

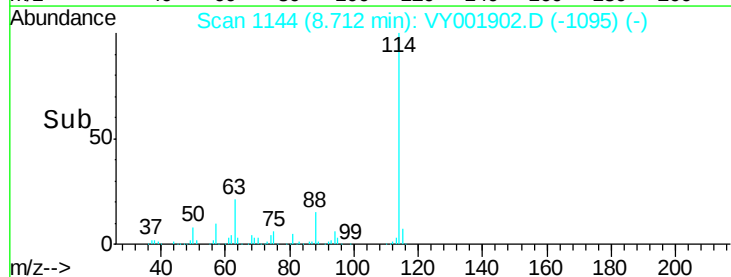
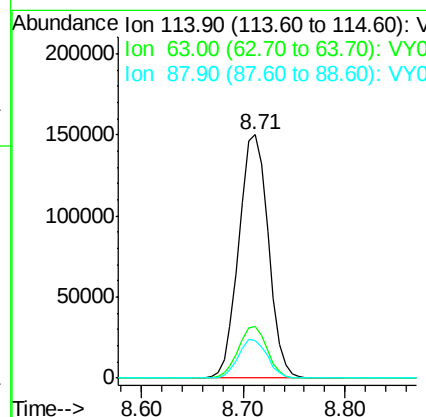
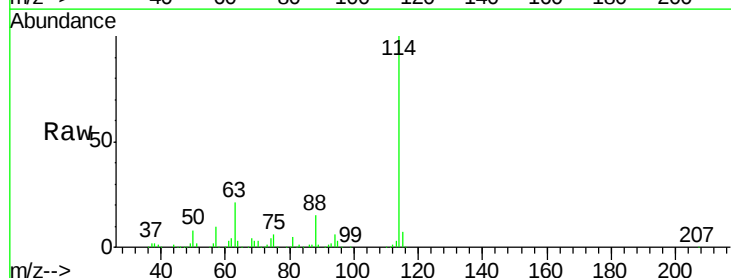
Manual Integrations  
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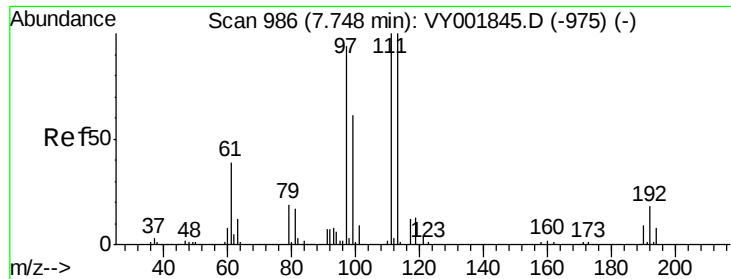
MMDadoda  
 3/9/2020 11:41:06 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1144  
 Delta R.T. 0.00 min  
 Lab File: VY001902.D  
 Acq: 06 Mar 2020 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.0  | 0.0   | 39.4  |
| 88      | 15.4  | 0.0   | 30.4  |





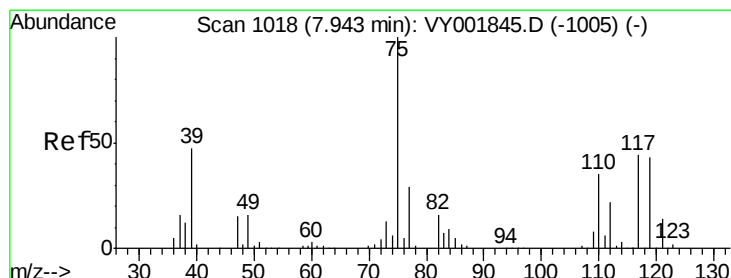
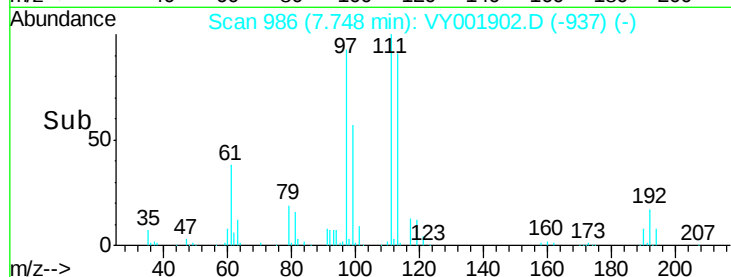
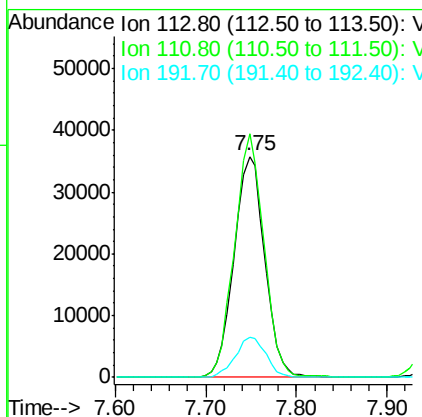
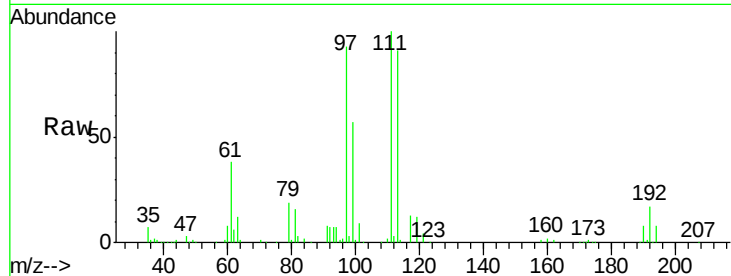
#35  
 Dibromofluoromethane  
 Concen: 51.440 ug/l  
 RT: 7.75 min Scan# 986  
 Delta R.T. 0.00 min  
 Lab File: VY001902.D  
 Acq: 06 Mar 2020 16:55

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.6 | 81.8  | 122.8 |
| 192     | 18.3  | 14.2  | 21.2  |

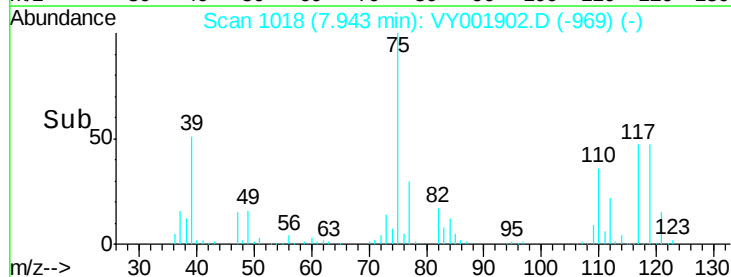
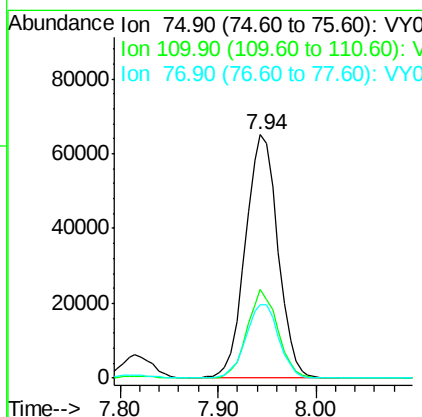
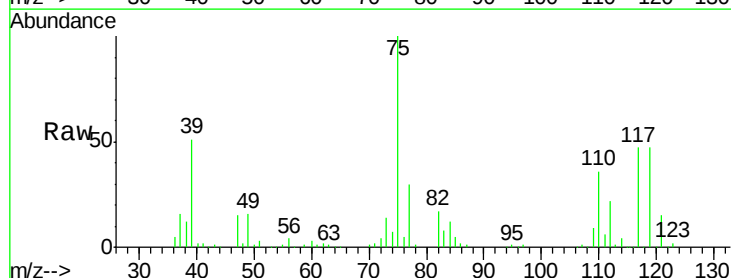
Manual Integrations  
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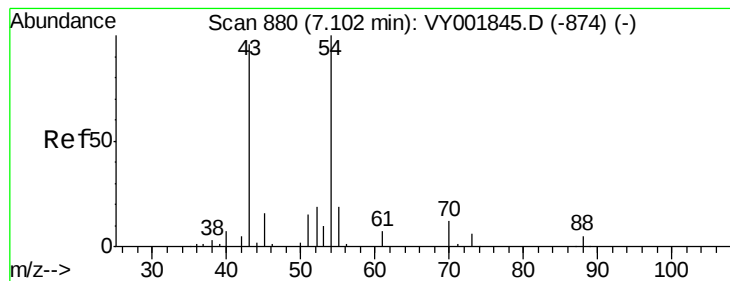
MMDadoda  
 3/9/2020 11:41:06 AM



#36  
 1,1-Dichloropropene  
 Concen: 51.828 ug/l  
 RT: 7.94 min Scan# 1018  
 Delta R.T. 0.00 min  
 Lab File: VY001902.D  
 Acq: 06 Mar 2020 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 34.0  | 17.4  | 52.2  |
| 77      | 30.7  | 24.2  | 36.2  |





#37

Ethyl Acetate

Concen: 50.608 ug/l

RT: 7.11 min Scan# 881

Delta R.T. 0.01 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

Instrument :

MSVOA\_Y

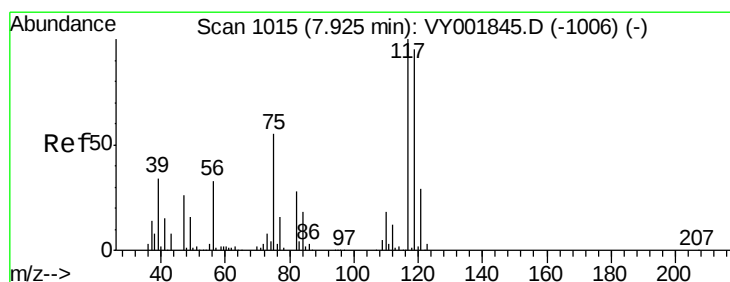
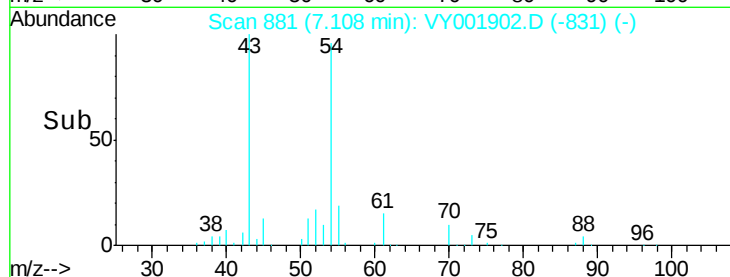
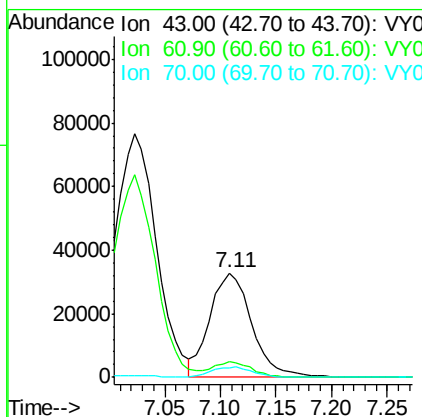
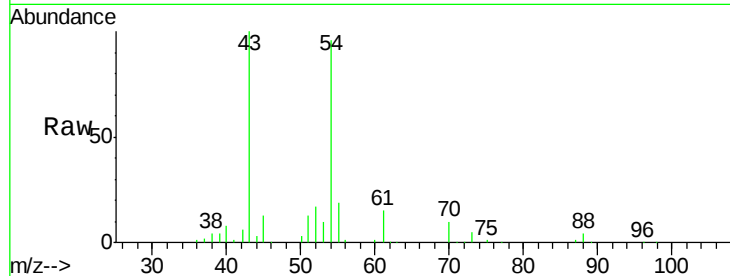
ClientSampleID :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 85093 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 13.4  | 11.1  | 16.7  |
| 70       | 10.1  | 8.2   | 12.4  |

Manual Integrations  
APPROVED

MMDadoda  
3/9/2020 11:41:06 AM



#38

Carbon Tetrachloride

Concen: 51.931 ug/l

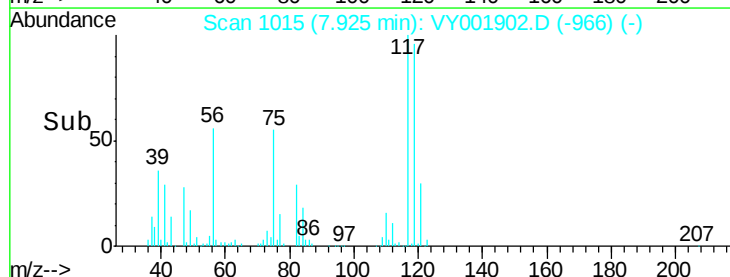
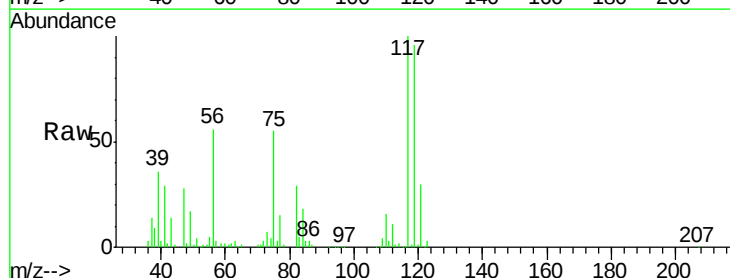
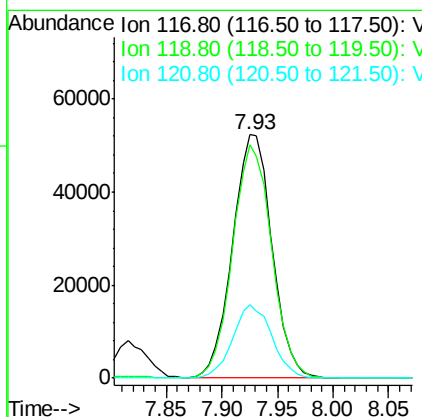
RT: 7.93 min Scan# 1015

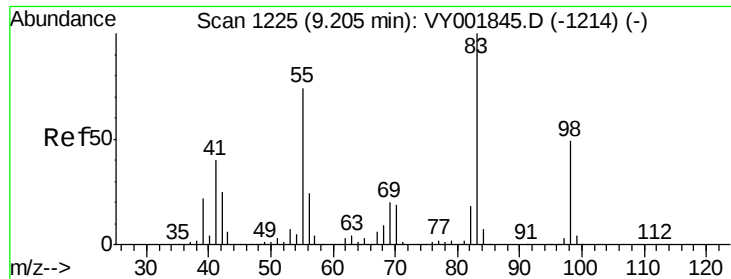
Delta R.T. 0.00 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 128340 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.0  | 76.3  | 114.5  |
| 121      | 30.3  | 23.5  | 35.3   |





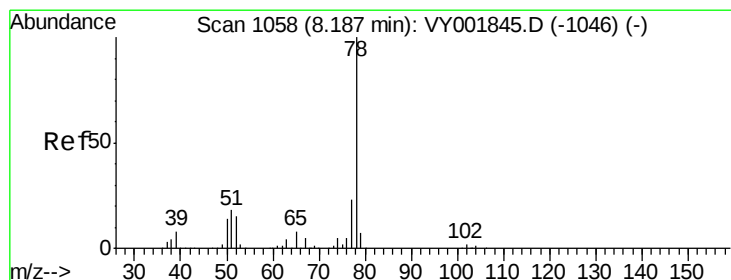
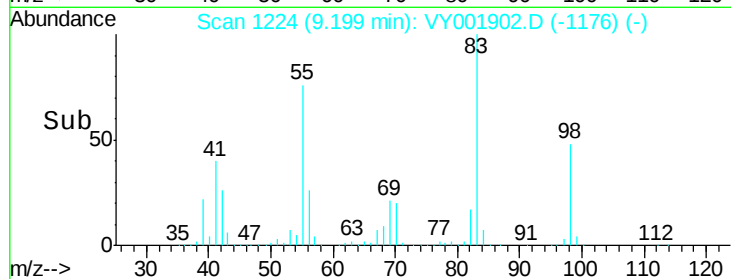
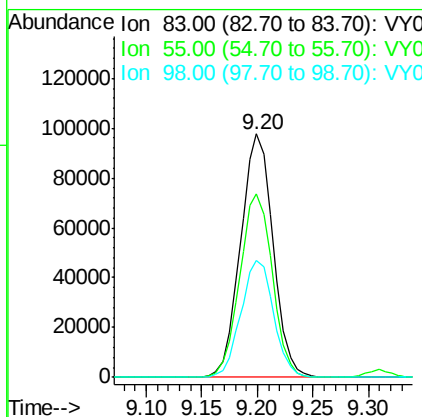
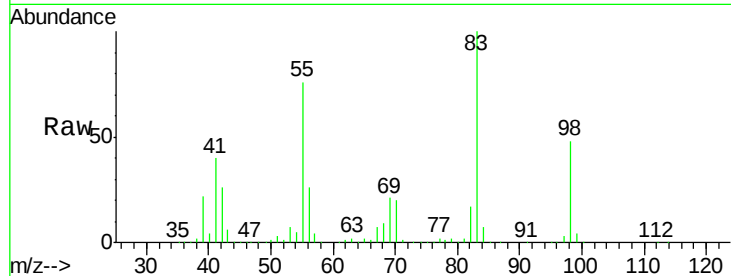
#39  
Methvlcvclohexane  
Concen: 51.467 ug/l  
RT: 9.20 min Scan# 1224  
Delta R.T. -0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 83    | Resp  | 197480 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 75.6  | 59.4  | 89.0   |
| 98        | 48.2  | 38.9  | 58.3   |

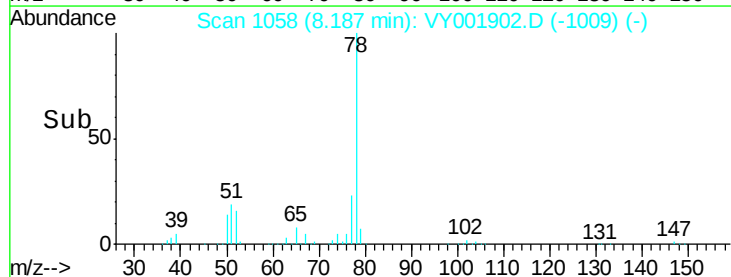
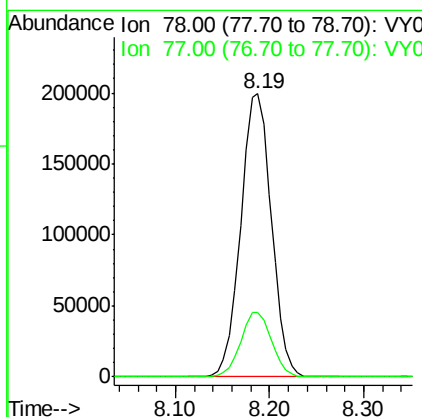
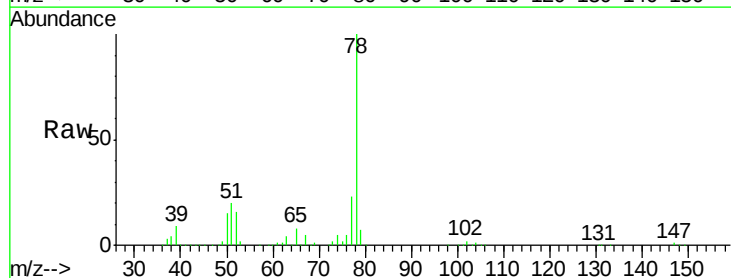
Manual Integrations  
APPROVED

MMDadoda  
3/9/2020 11:41:06 AM



#40  
Benzene  
Concen: 52.381 ug/l  
RT: 8.19 min Scan# 1058  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

| Tgt Ion   | 78    | Resp  | 449156 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 22.6  | 18.7  | 28.1   |





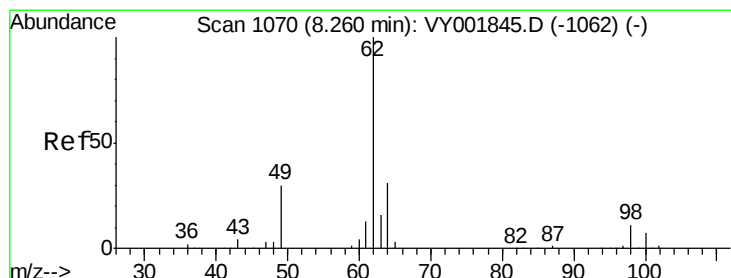
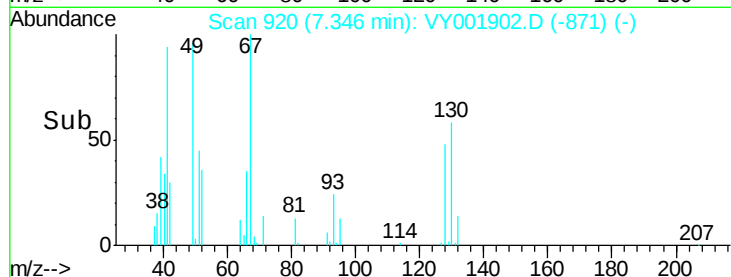
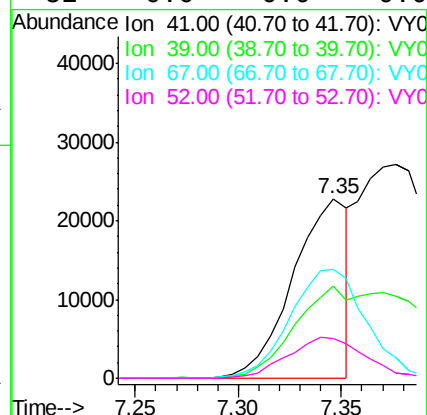
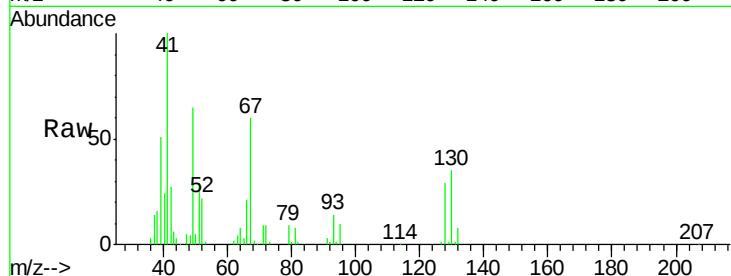
#41  
Methacrylonitrile  
Concen: 56.123 ug/l m  
RT: 7.35 min Scan# 920  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 41      | 100   |       |        |
| 39      | 0.0   | 111.7 | 167.5# |
| 67      | 0.0   | 0.0   | 0.0    |
| 52      | 0.0   | 0.0   | 0.0    |

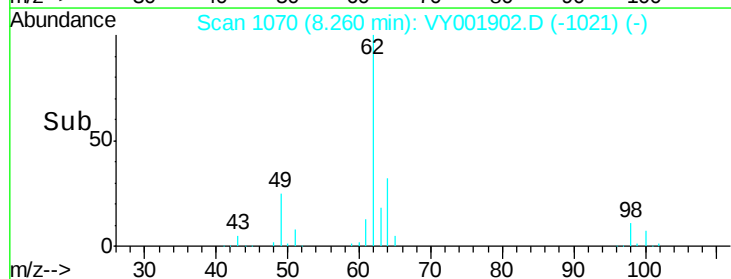
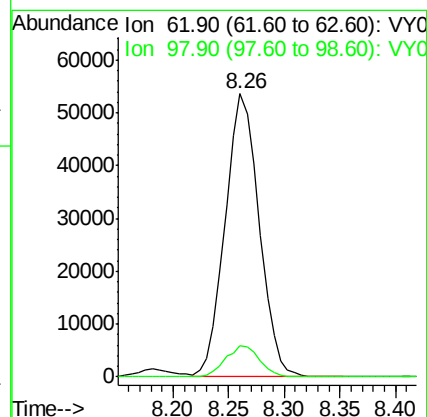
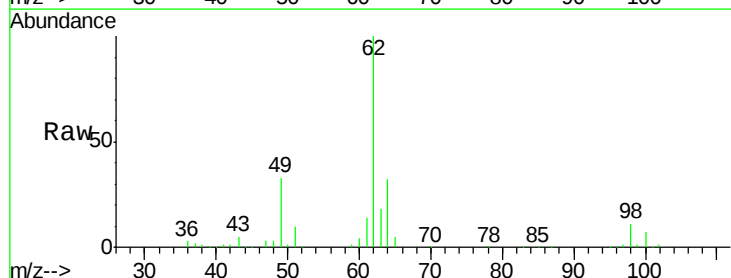
Manual Integrations  
APPROVED

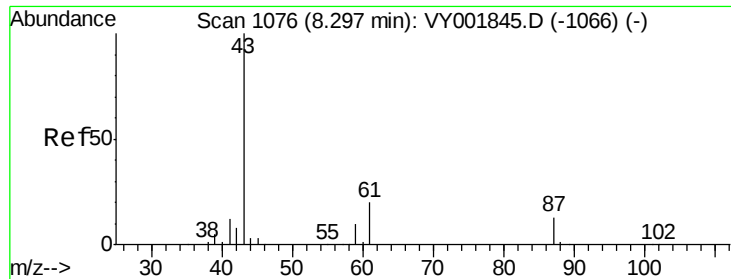
MMDadoda  
3/9/2020 11:41:06 AM



#42  
1,2-Dichloroethane  
Concen: 51.470 ug/l  
RT: 8.26 min Scan# 1070  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 11.0  | 0.0   | 21.4  |





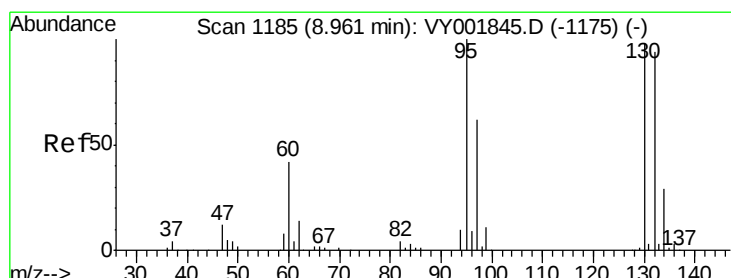
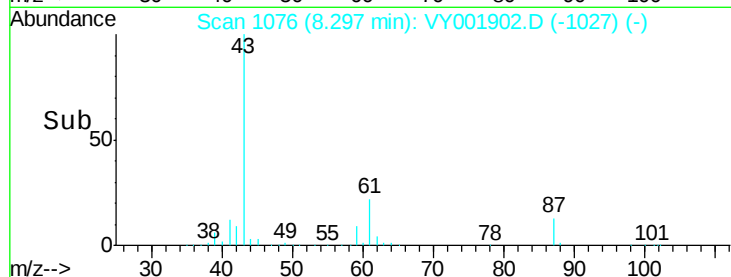
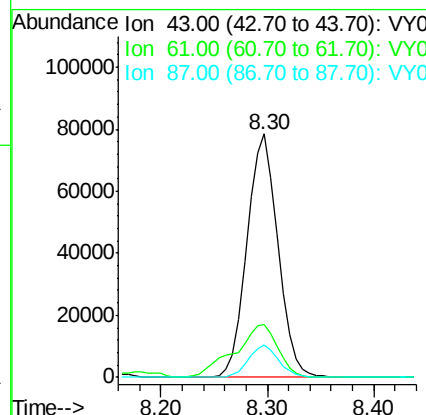
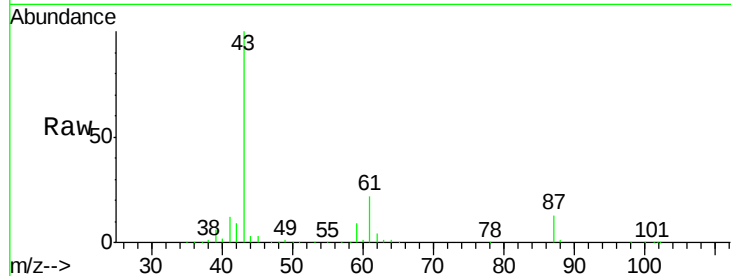
#43  
Isopropyl Acetate  
Concen: 50.268 ug/l  
RT: 8.30 min Scan# 1076  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 30.3  | 23.8  | 35.6  |
| 87      | 12.9  | 10.9  | 16.3  |

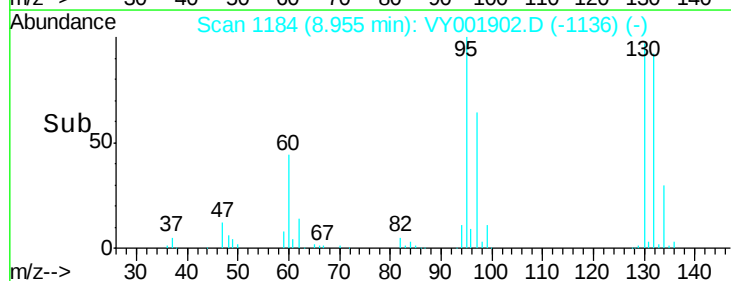
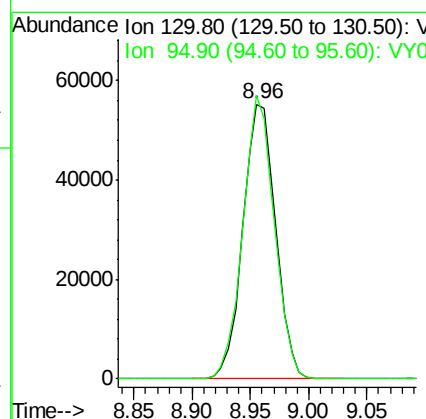
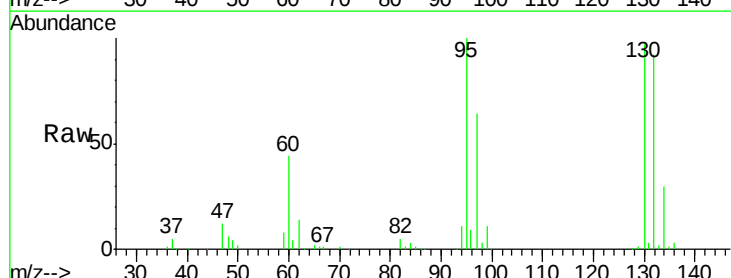
Manual Integrations  
APPROVED

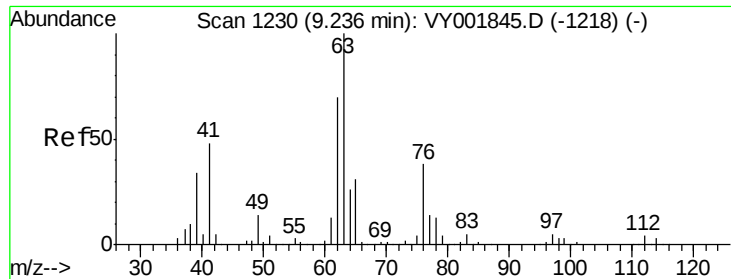
MMDadoda  
3/9/2020 11:41:06 AM



#44  
Trichloroethene  
Concen: 51.923 ug/l  
RT: 8.96 min Scan# 1184  
Delta R.T. -0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 103.1 | 0.0   | 204.6 |





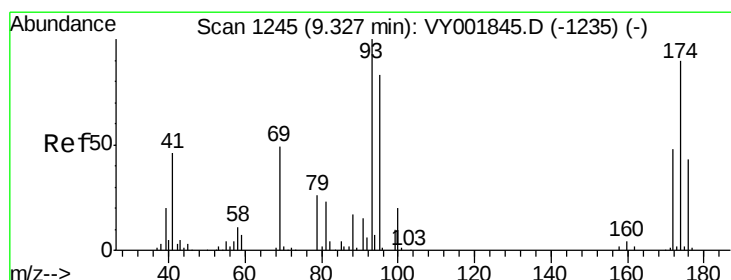
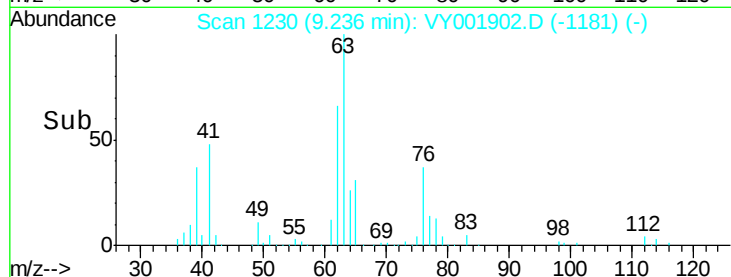
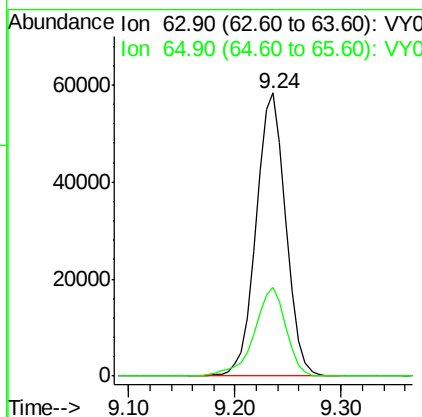
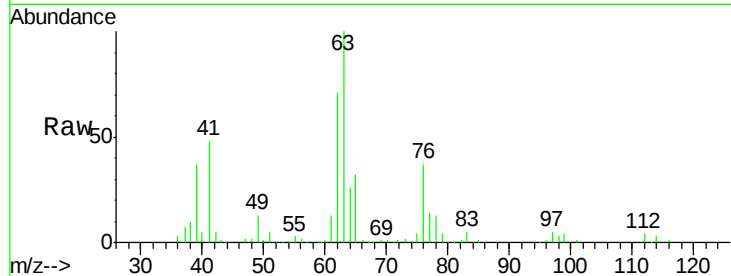
#45  
 1,2-Dichloropropane  
 Concen: 52.802 ug/l  
 RT: 9.24 min Scan# 1230  
 Delta R.T. 0.00 min  
 Lab File: VY001902.D  
 Acq: 06 Mar 2020 16:55

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 63 Resp: 113817  
 Ion Ratio Lower Upper  
 63 100  
 65 31.5 24.9 37.3

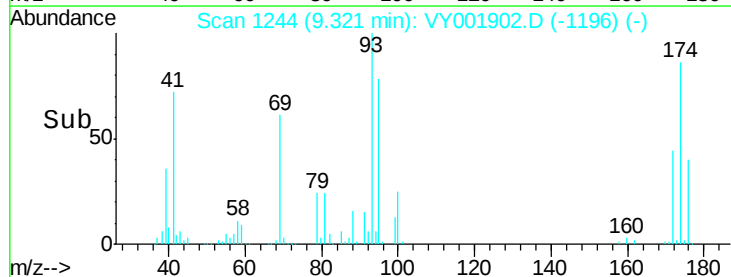
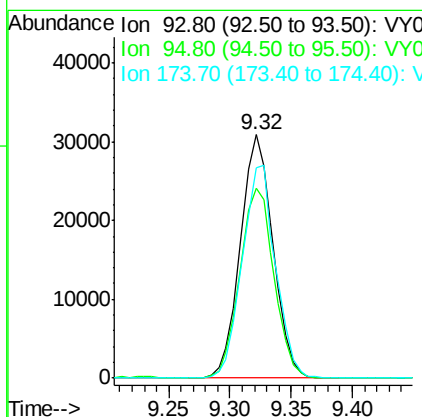
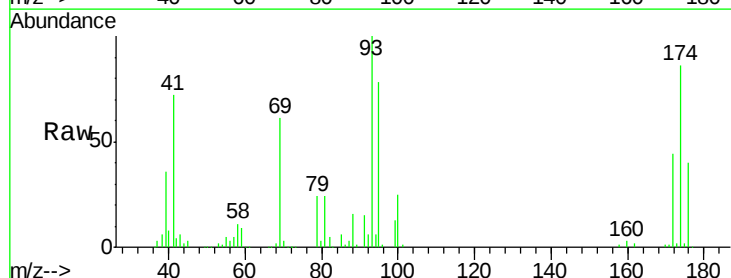
Manual Integrations  
 APPROVED

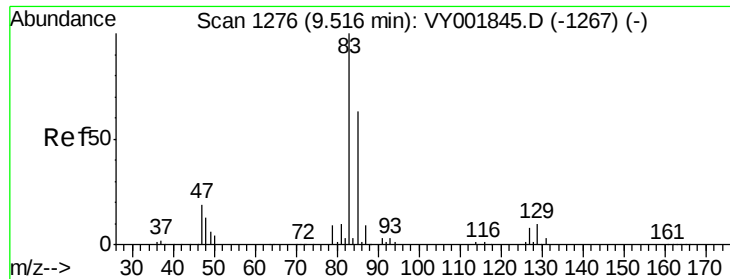
MMDadoda  
 3/9/2020 11:41:06 AM



#46  
 Dibromomethane  
 Concen: 51.559 ug/l  
 RT: 9.32 min Scan# 1244  
 Delta R.T. -0.01 min  
 Lab File: VY001902.D  
 Acq: 06 Mar 2020 16:55

Tgt Ion: 93 Resp: 57272  
 Ion Ratio Lower Upper  
 93 100  
 95 81.4 67.0 100.4  
 174 89.0 71.8 107.8





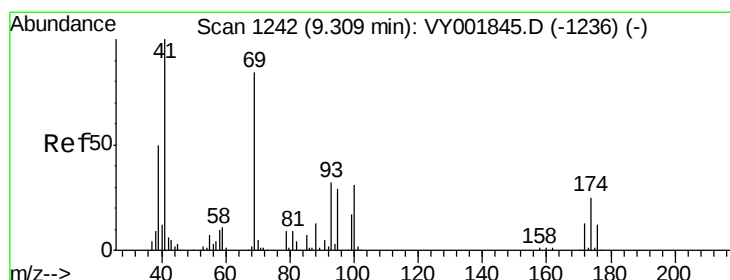
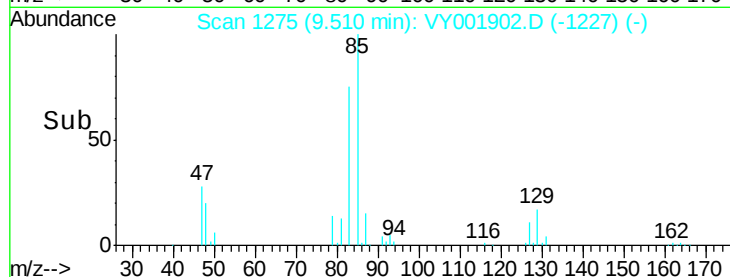
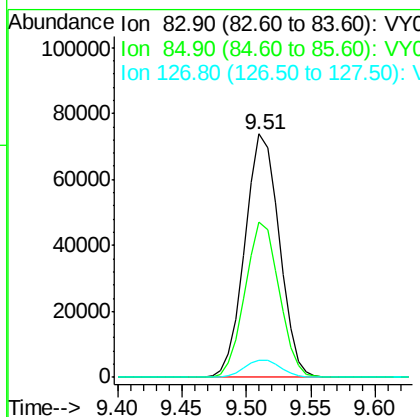
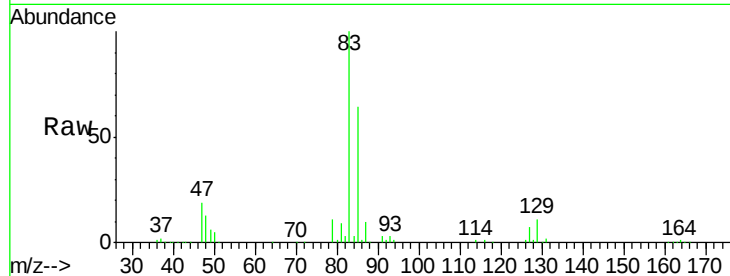
#47  
Bromodichloromethane  
Concen: 52.803 ug/l  
RT: 9.51 min Scan# 1275  
Delta R.T. -0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.0  | 50.6  | 76.0  |
| 127     | 7.3   | 6.2   | 9.4   |

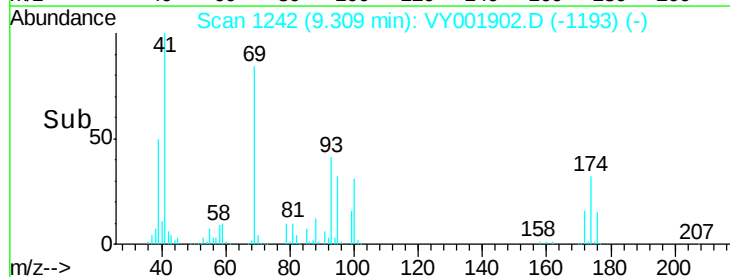
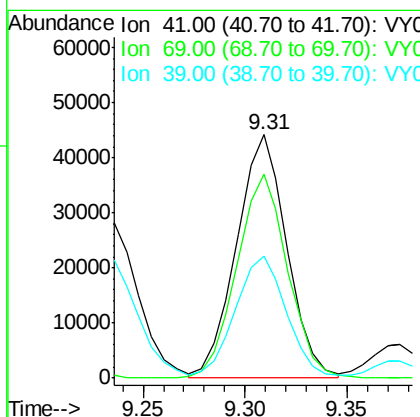
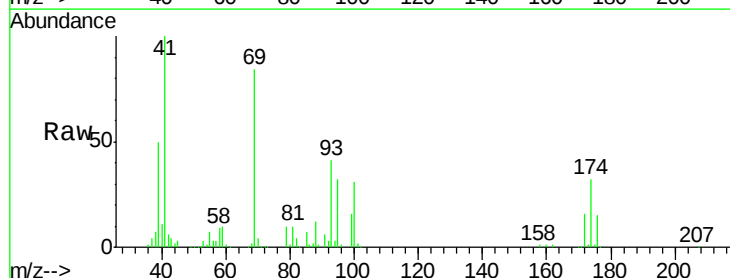
Manual Integrations  
APPROVED

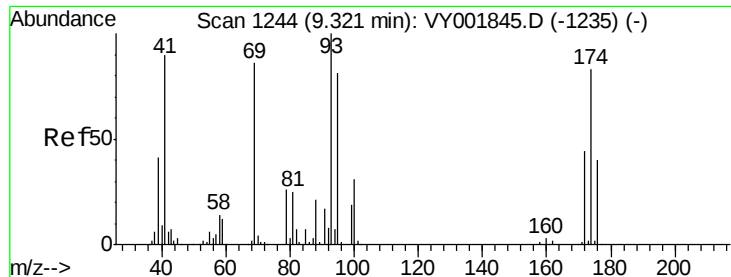
MMDadoda  
3/9/2020 11:41:06 AM



#48  
Methyl methacrylate  
Concen: 53.659 ug/l  
RT: 9.31 min Scan# 1242  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 84.6  | 69.0  | 103.6 |
| 39      | 51.4  | 39.1  | 58.7  |





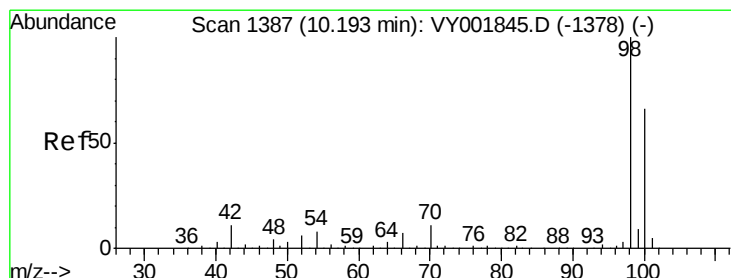
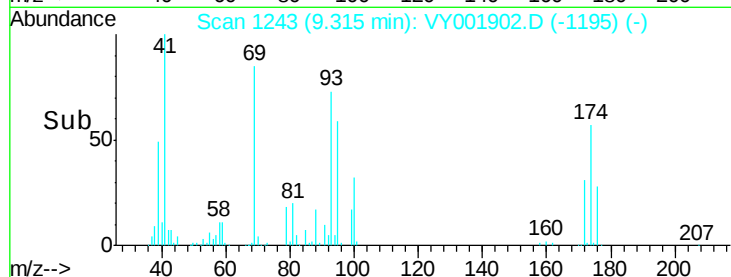
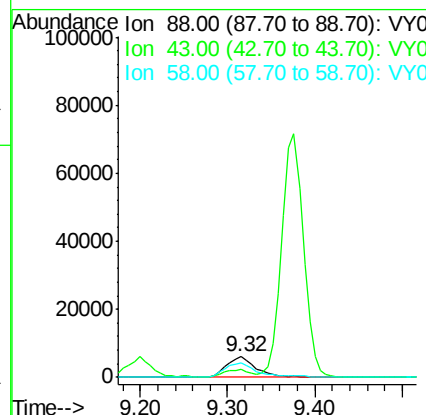
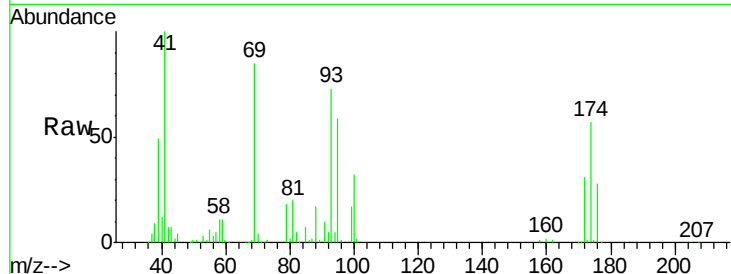
#49  
1,4-Dioxane  
Concen: 949.425 ug/l  
RT: 9.32 min Scan# 1243  
Delta R.T. -0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 29.8  | 25.0  | 37.6  |
| 58      | 68.0  | 58.9  | 88.3  |

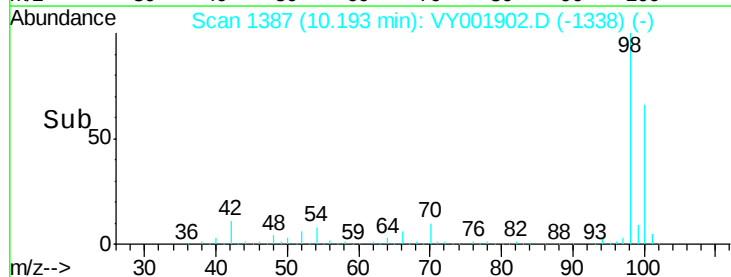
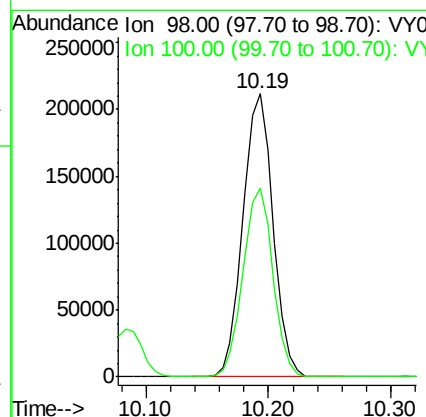
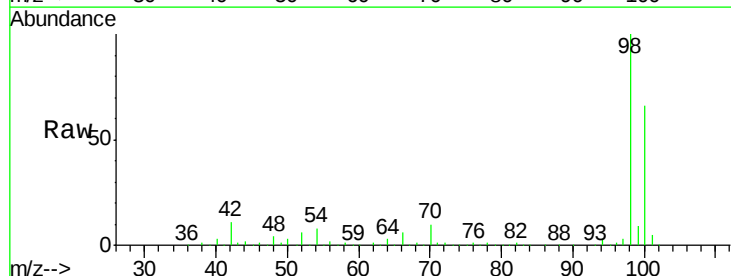
Manual Integrations  
APPROVED

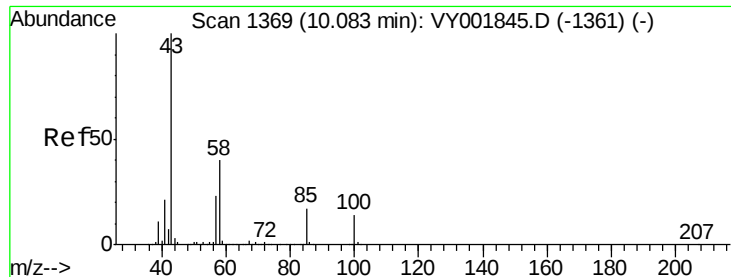
MMDadoda  
3/9/2020 11:41:06 AM



#50  
Toluene-d8  
Concen: 52.086 ug/l  
RT: 10.19 min Scan# 1387  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.3  | 53.0  | 79.4  |





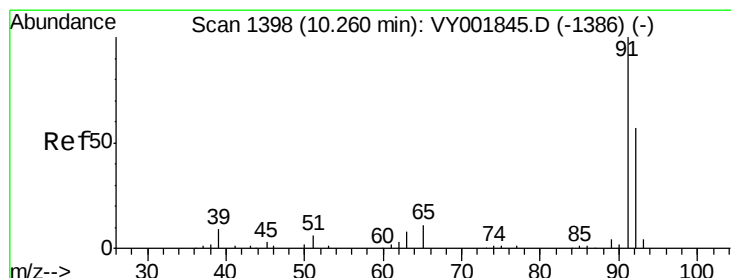
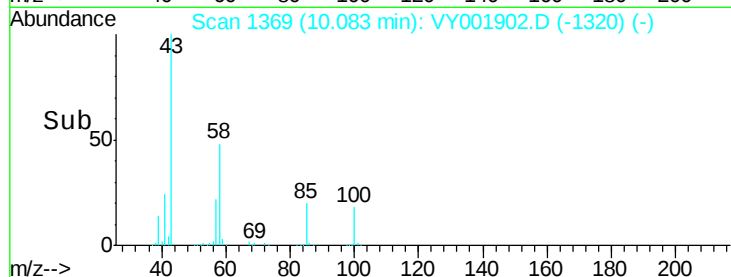
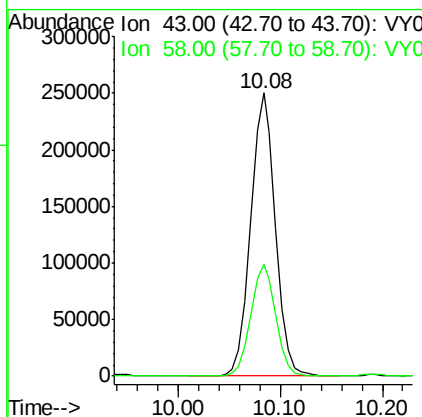
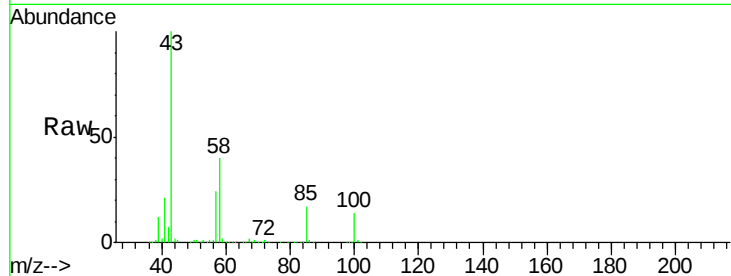
#51  
4-Methyl-2-Pentanone  
Concen: 257.616 ug/l  
RT: 10.08 min Scan# 1369  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 422402  
Ion Ratio Lower Upper  
43 100  
58 40.0 32.0 48.0

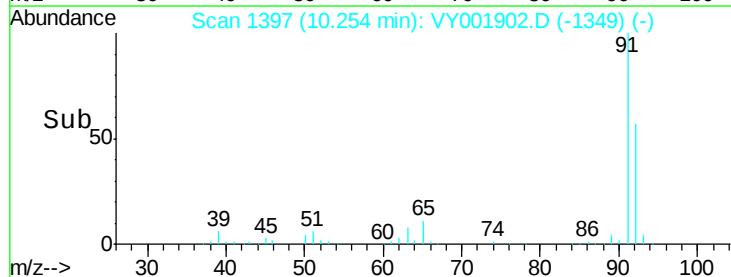
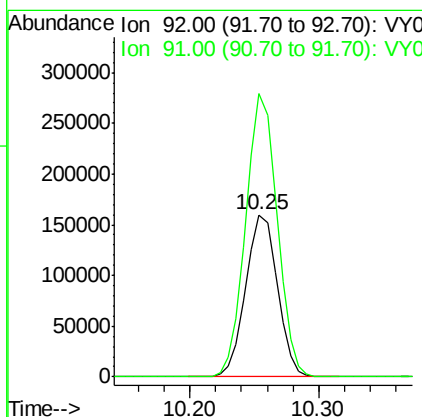
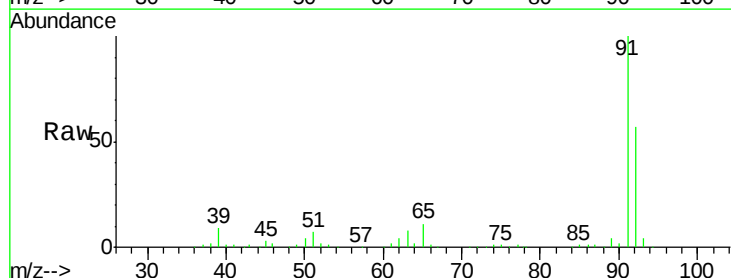
Manual Integrations  
APPROVED

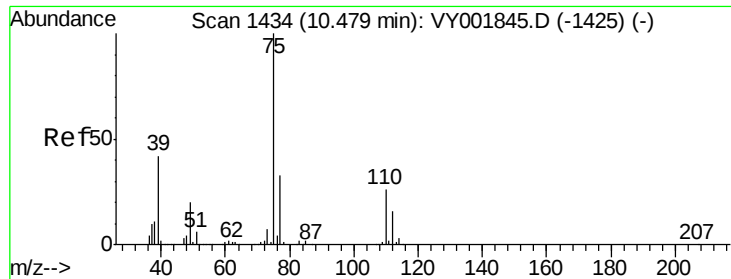
MMDadoda  
3/9/2020 11:41:06 AM



#52  
Toluene  
Concen: 52.238 ug/l  
RT: 10.25 min Scan# 1397  
Delta R.T. -0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Tgt Ion: 92 Resp: 272110  
Ion Ratio Lower Upper  
92 100  
91 172.7 138.6 208.0





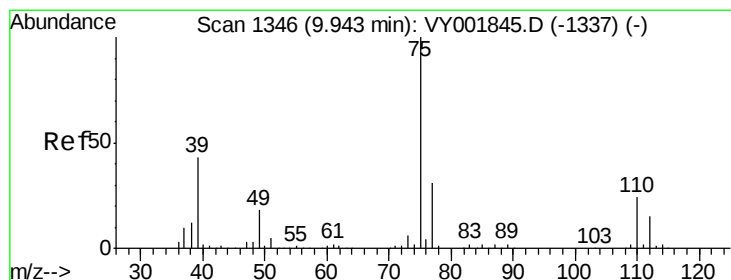
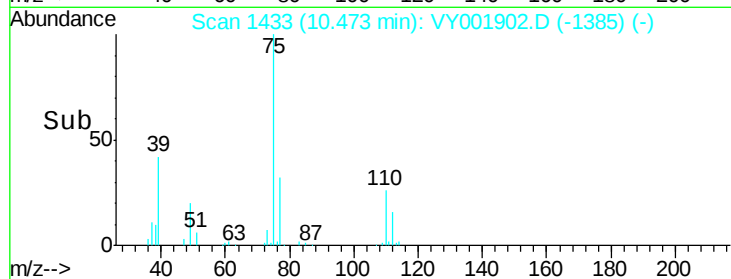
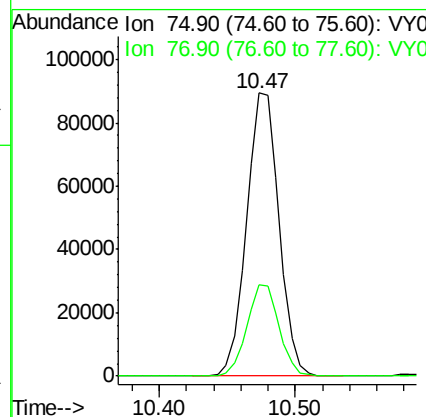
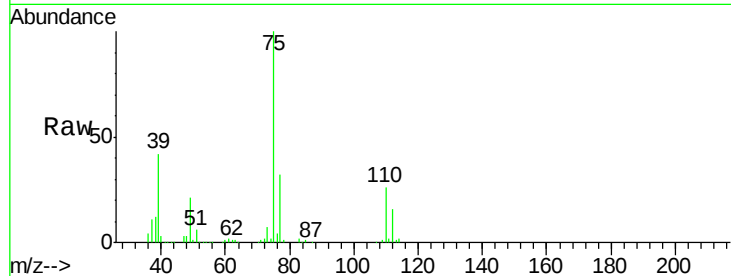
#53  
t-1,3-Dichloropropene  
Concen: 52.887 ug/l  
RT: 10.47 min Scan# 1433  
Delta R.T. -0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 75 Resp: 148886  
Ion Ratio Lower Upper  
75 100  
77 32.5 26.3 39.5

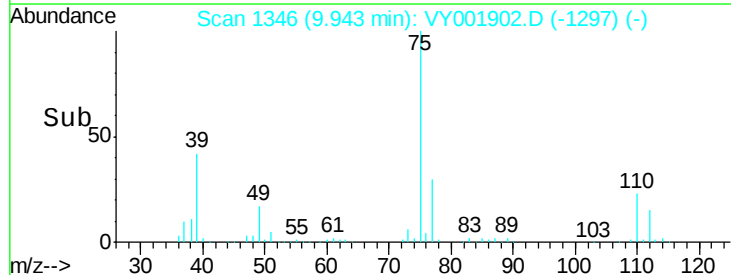
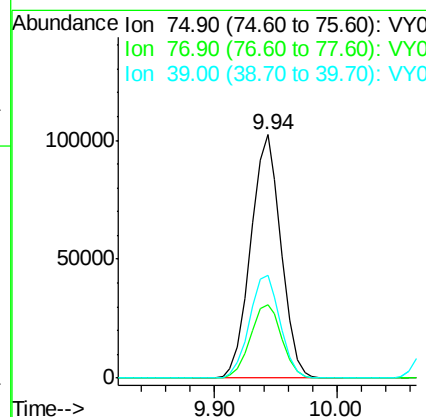
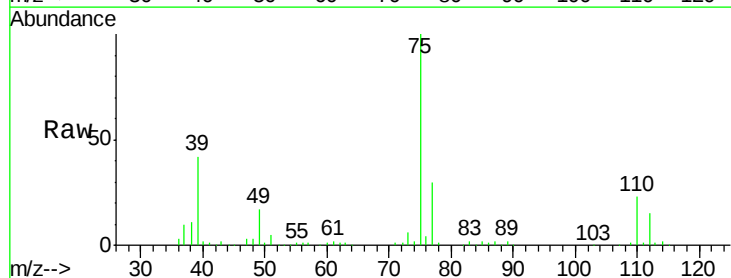
Manual Integrations  
APPROVED

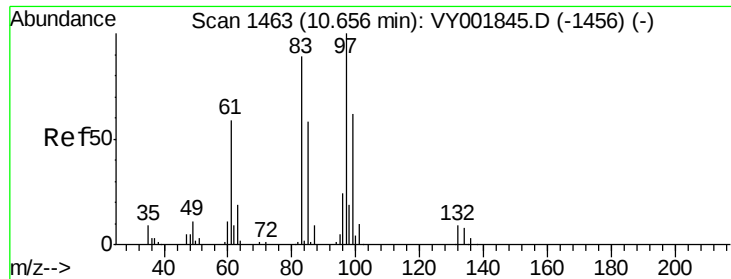
MMDadoda  
3/9/2020 11:41:06 AM



#54  
cis-1,3-Dichloropropene  
Concen: 52.590 ug/l  
RT: 9.94 min Scan# 1346  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Tgt Ion: 75 Resp: 176246  
Ion Ratio Lower Upper  
75 100  
77 30.0 25.1 37.7  
39 42.2 34.7 52.1





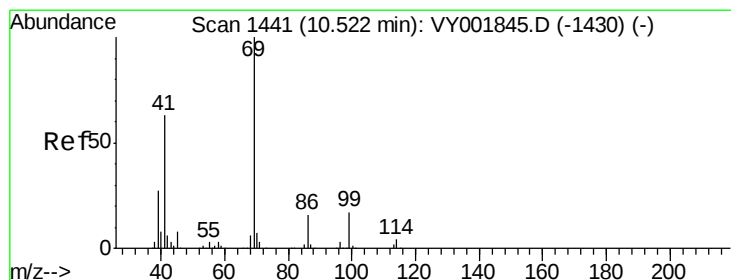
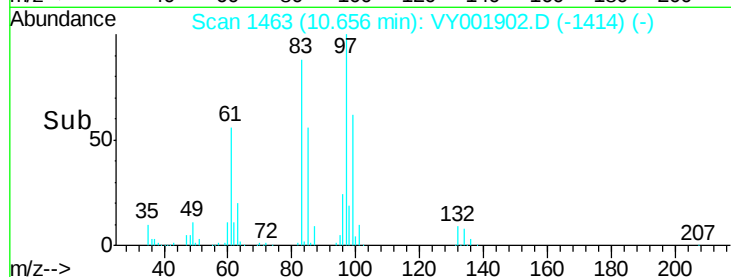
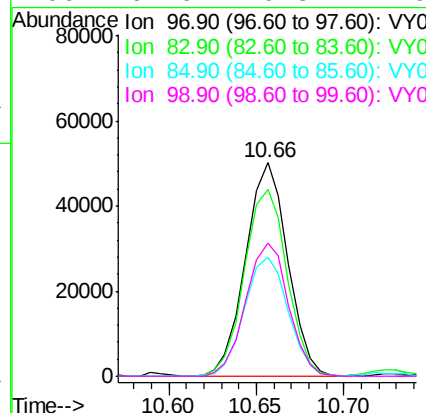
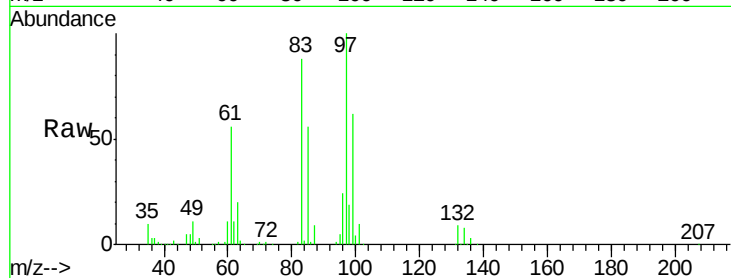
#55  
 1,1,2-Trichloroethane  
 Concen: 51.298 ug/l  
 RT: 10.66 min Scan# 1463  
 Delta R.T. 0.00 min  
 Lab File: VY001902.D  
 Acq: 06 Mar 2020 16:55

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 83393 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.6  | 71.6  | 107.4 |
| 85       | 55.9  | 46.6  | 69.8  |
| 99       | 62.6  | 49.8  | 74.6  |

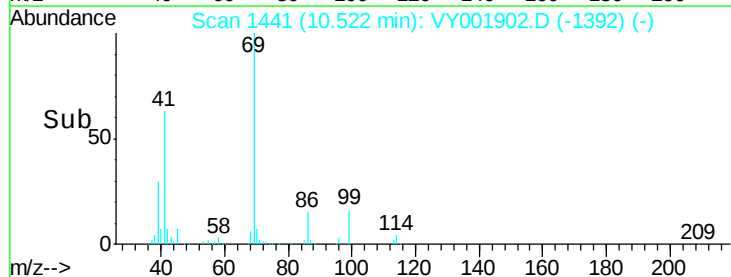
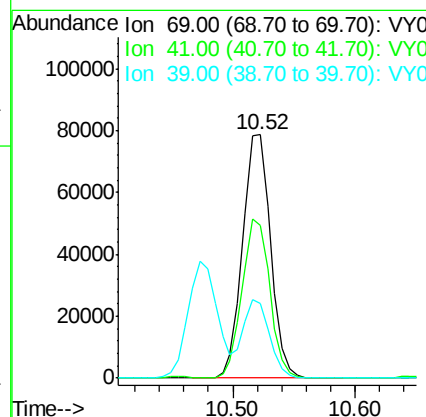
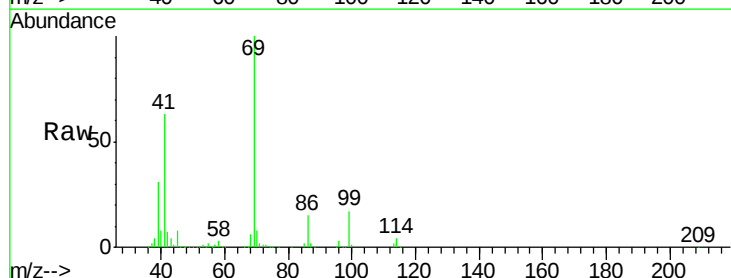
Manual Integrations  
 APPROVED

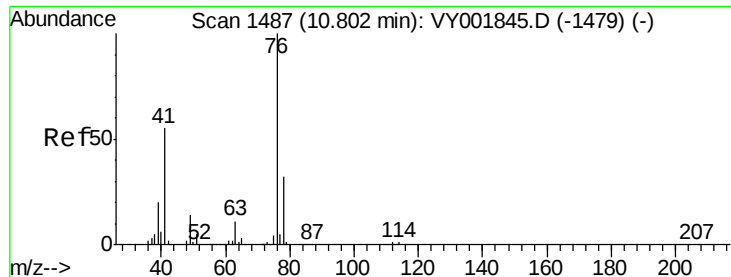
MMDadoda  
 3/9/2020 11:41:06 AM



#56  
 Ethyl methacrylate  
 Concen: 52.554 ug/l  
 RT: 10.52 min Scan# 1441  
 Delta R.T. 0.00 min  
 Lab File: VY001902.D  
 Acq: 06 Mar 2020 16:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 125227 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 64.0  | 49.9  | 74.9   |
| 39       | 30.7  | 23.0  | 34.6   |





#57

1,3-Dichloropropane

Concen: 51.348 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 148794

Ion Ratio Lower Upper

76 100

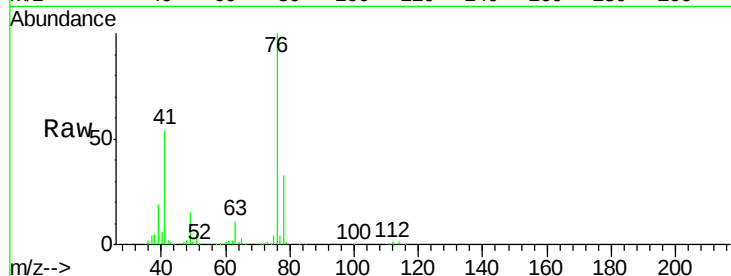
78 32.7 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

3/9/2020 11:41:06 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.80

80000

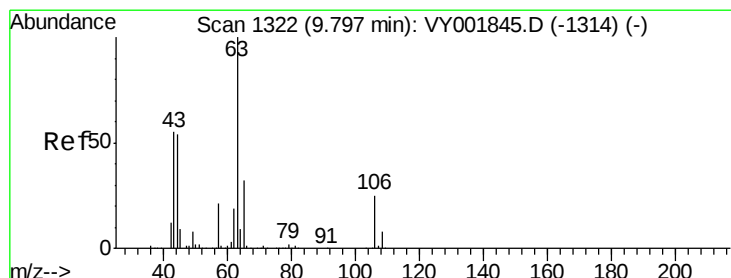
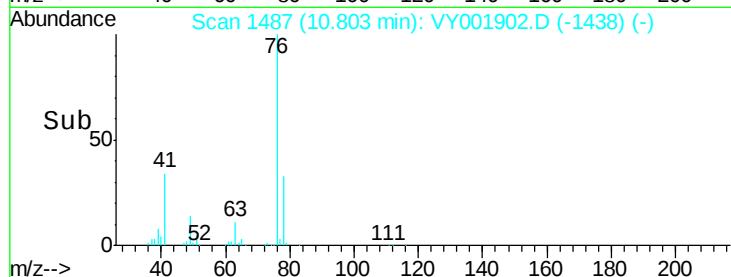
60000

40000

20000

0

Time--> 10.70 10.80 10.90



#58

2-Chloroethyl Vinyl ether

Concen: 238.997 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VY001902.D

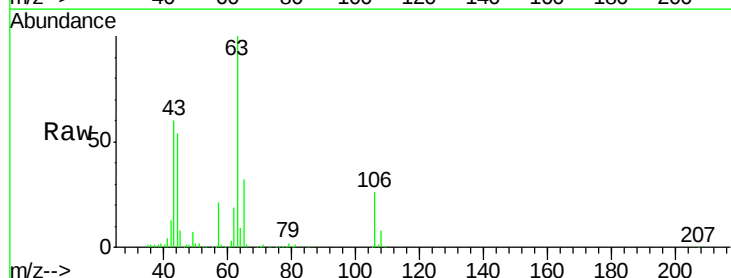
Acq: 06 Mar 2020 16:55

Tgt Ion: 63 Resp: 200258

Ion Ratio Lower Upper

63 100

106 26.3 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

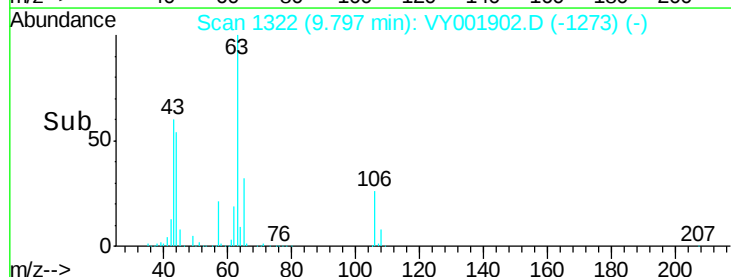
9.80

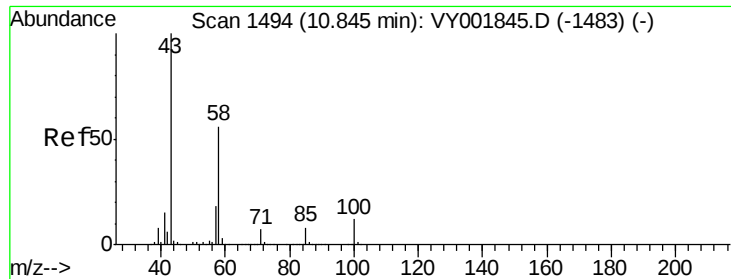
100000

50000

0

Time--> 9.70 9.75 9.80 9.85





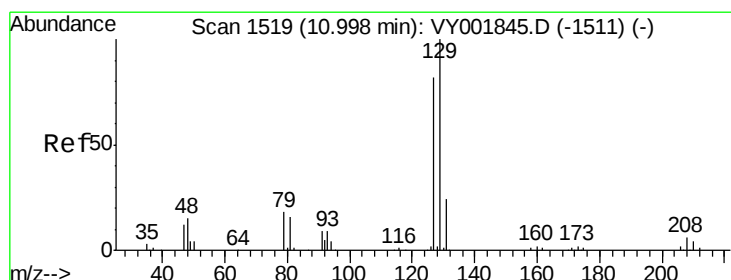
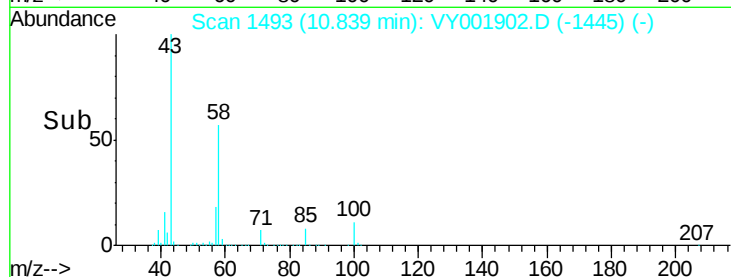
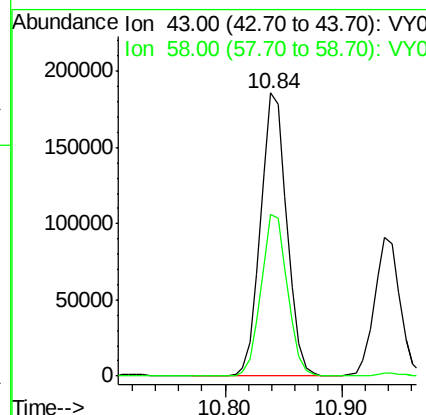
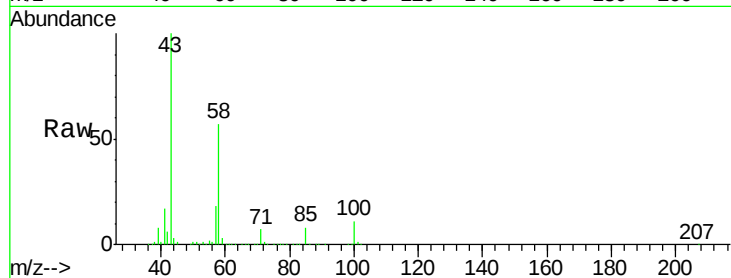
#59  
2-Hexanone  
Concen: 250.397 ug/l  
RT: 10.84 min Scan# 1493  
Delta R.T. -0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 293043  
Ion Ratio Lower Upper  
43 100  
58 57.2 28.1 84.3

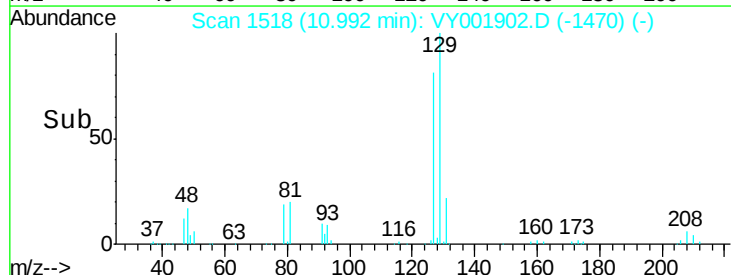
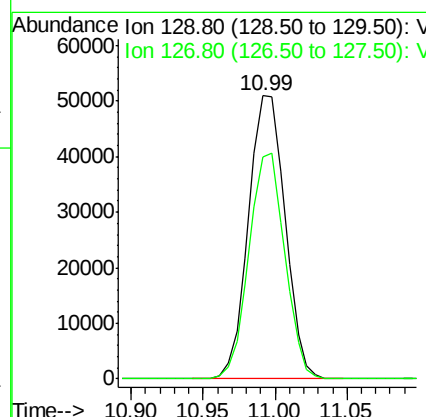
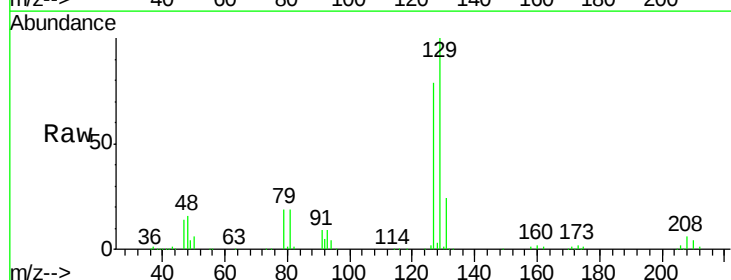
Manual Integrations  
APPROVED

MMDadoda  
3/9/2020 11:41:06 AM



#60  
Dibromochloromethane  
Concen: 52.454 ug/l  
RT: 10.99 min Scan# 1518  
Delta R.T. -0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Tgt Ion:129 Resp: 89854  
Ion Ratio Lower Upper  
129 100  
127 77.8 39.0 117.0





#61

1,2-Dibromoethane

Concen: 51.163 ug/l

RT: 11.10 min Scan# 1536

Delta R.T. 0.00 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 78785

Ion Ratio Lower Upper

107 100

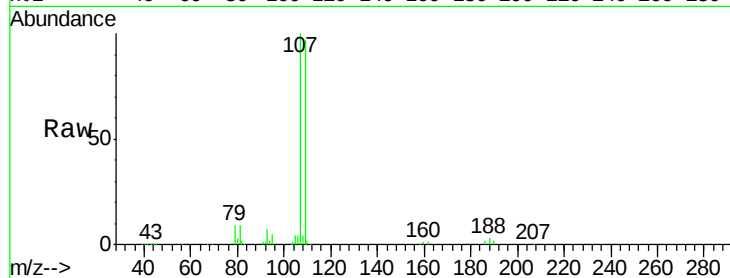
109 94.7 75.4 113.0

Manual Integrations

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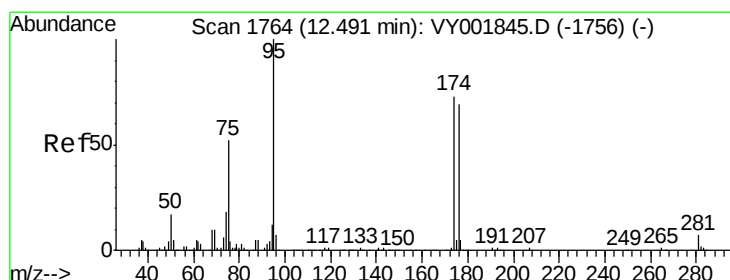
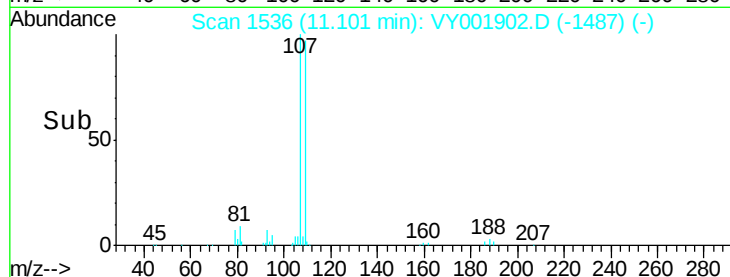
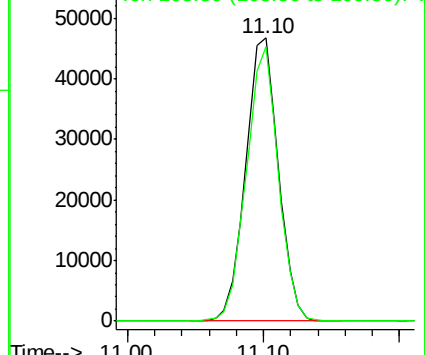
MMDadoda

3/9/2020 11:41:06 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.040 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

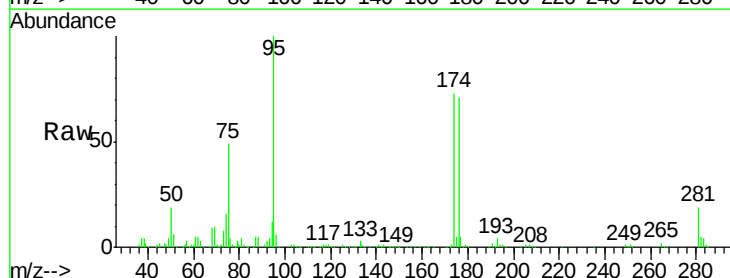
Tgt Ion: 95 Resp: 122850

Ion Ratio Lower Upper

95 100

174 72.6 0.0 145.0

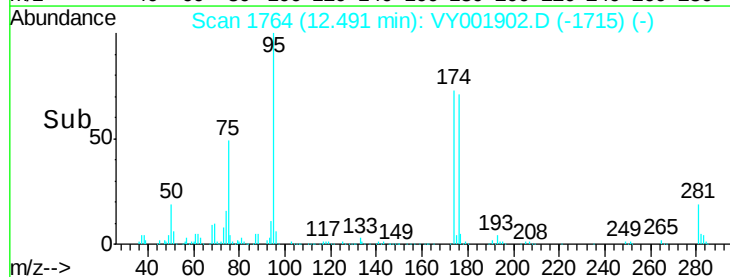
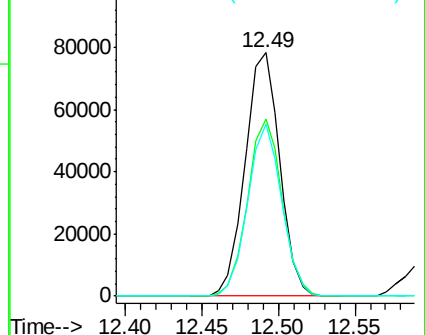
176 69.6 0.0 137.4

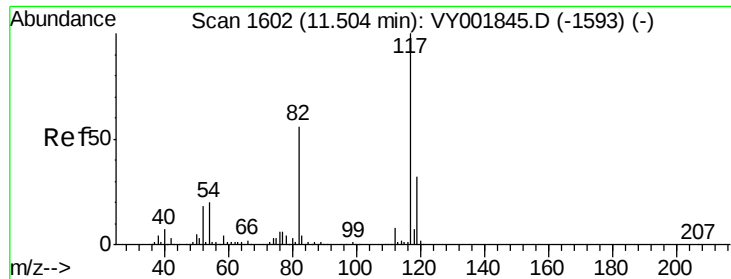


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





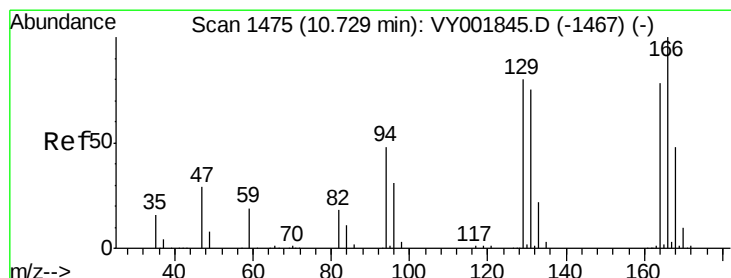
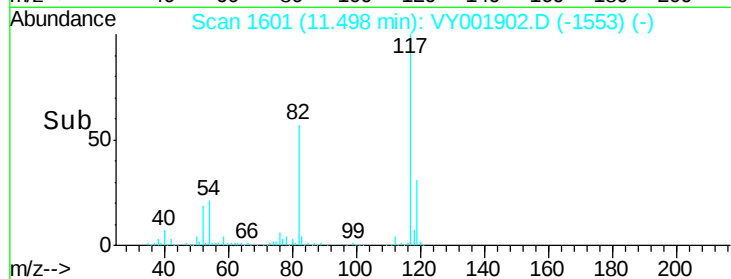
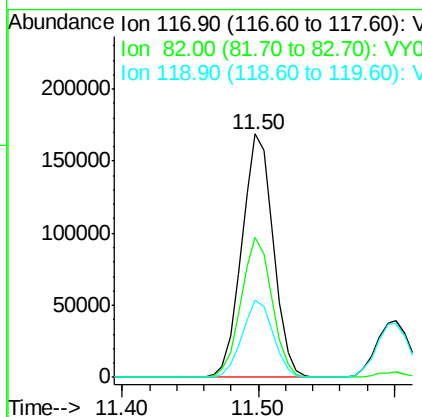
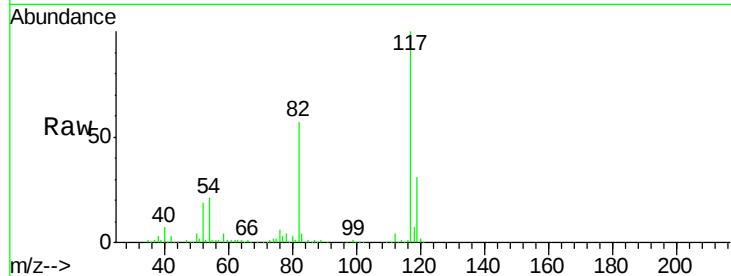
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. -0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 272358 |       |       |
| 82      | 57.4  |        | 44.5  | 66.7  |
| 119     | 31.5  |        | 25.7  | 38.5  |

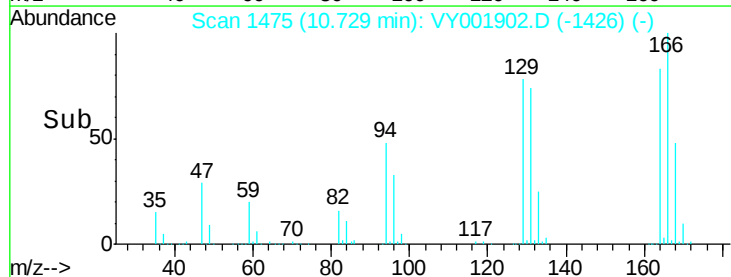
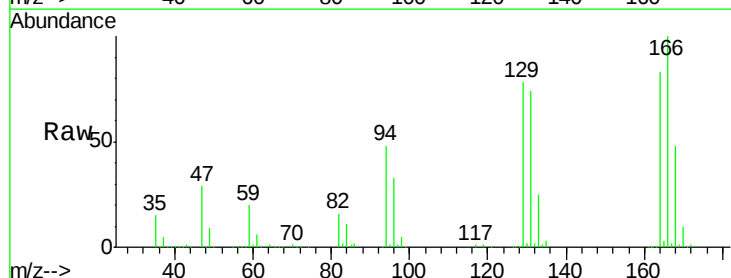
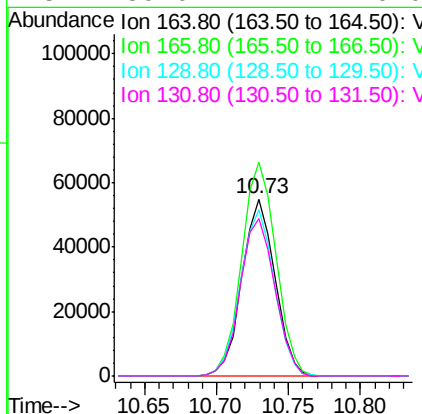
Manual Integrations  
APPROVED

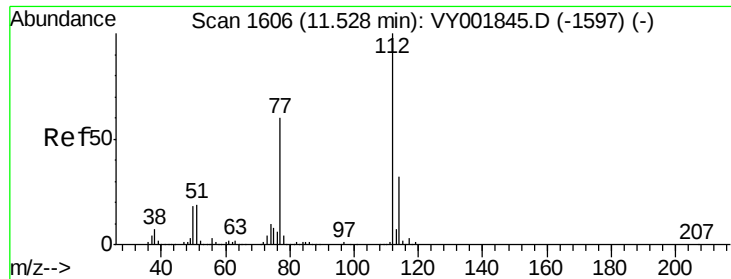
MMDadoda  
3/9/2020 11:41:06 AM



#64  
Tetrachloroethene  
Concen: 50.994 ug/l  
RT: 10.73 min Scan# 1475  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 87098 |       |       |
| 166     | 120.7 |       | 102.6 | 154.0 |
| 129     | 94.0  |       | 82.3  | 123.5 |
| 131     | 89.0  |       | 77.4  | 116.0 |





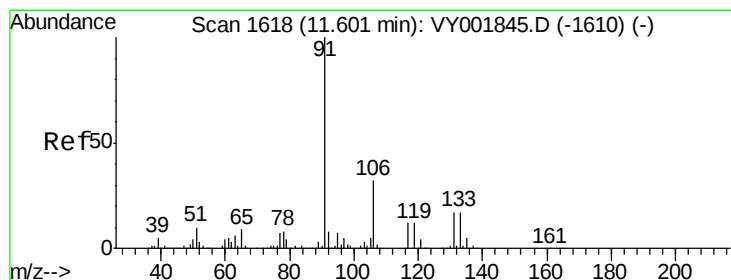
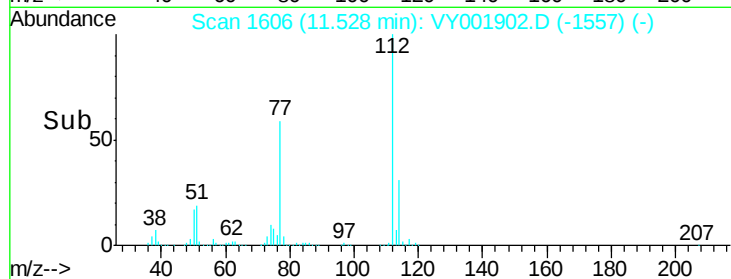
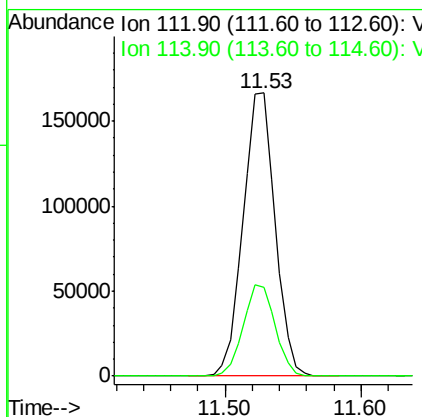
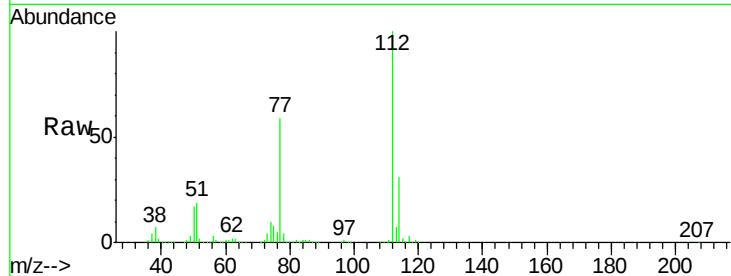
#65  
Chlorobenzene  
Concen: 50.600 ug/l  
RT: 11.53 min Scan# 1606  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.3  | 25.9  | 38.9  |

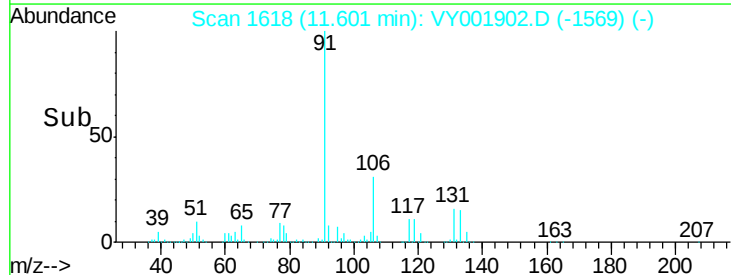
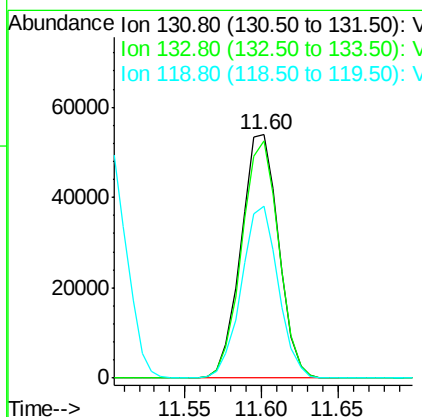
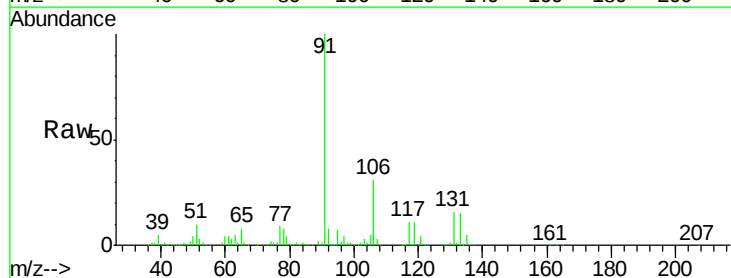
Manual Integrations  
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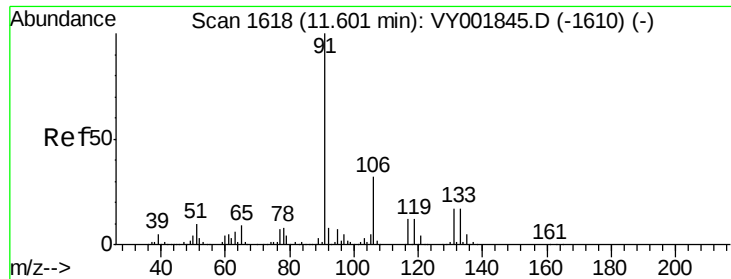
MMDadoda  
3/9/2020 11:41:06 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.848 ug/l  
RT: 11.60 min Scan# 1618  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 95.9  | 47.1  | 141.3 |
| 119     | 69.0  | 34.5  | 103.6 |





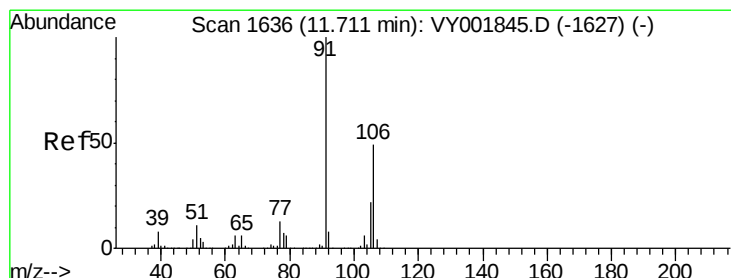
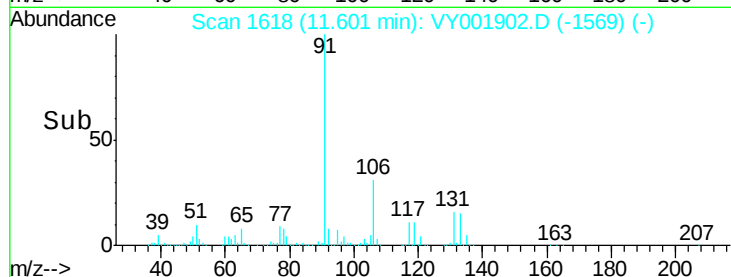
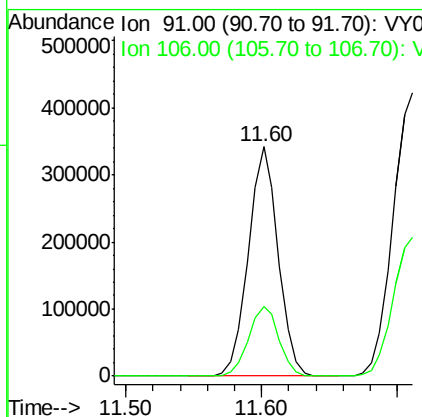
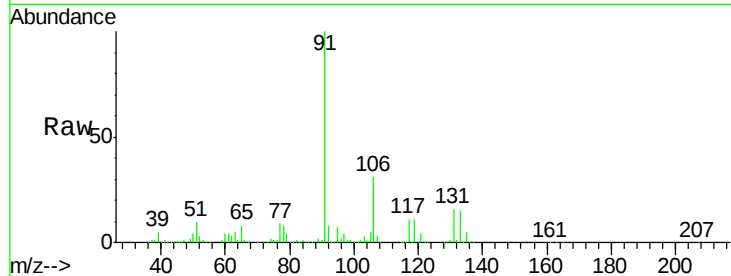
#67  
Ethyl Benzene  
Concen: 51.705 ug/l  
RT: 11.60 min Scan# 1618  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 523309  
Ion Ratio Lower Upper  
91 100  
106 30.6 25.4 38.2

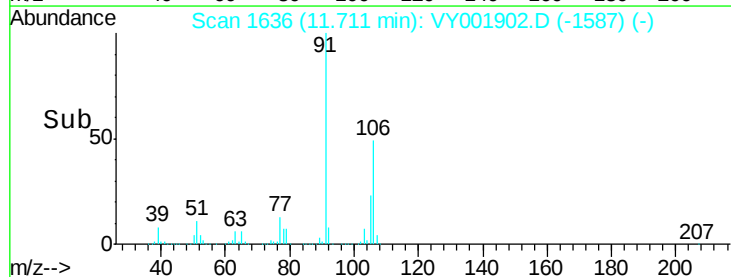
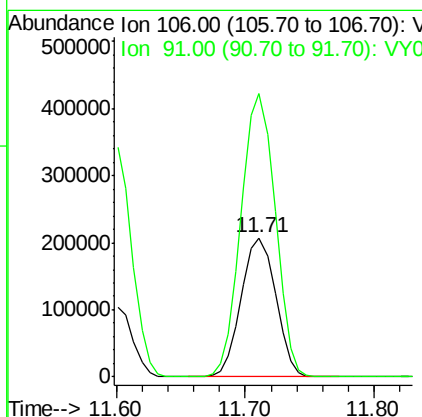
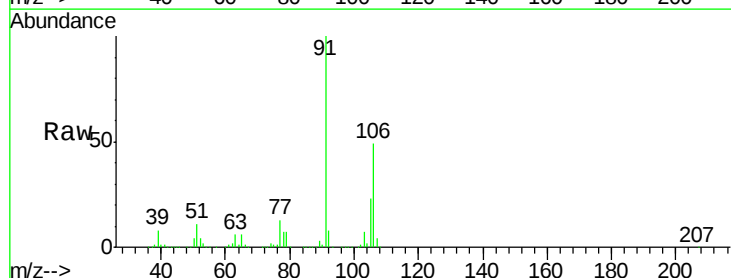
Manual Integrations  
APPROVED

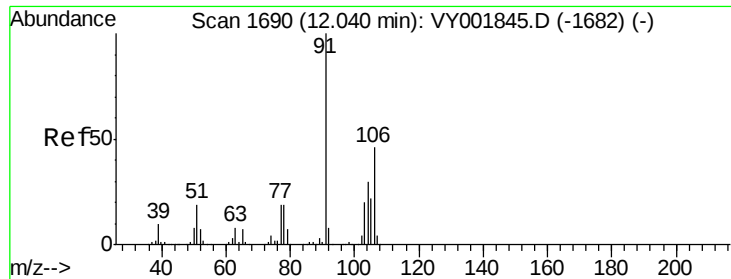
MMDadoda  
3/9/2020 11:41:06 AM



#68  
m/p-Xylenes  
Concen: 103.036 ug/l  
RT: 11.71 min Scan# 1636  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Tgt Ion: 106 Resp: 385546  
Ion Ratio Lower Upper  
106 100  
91 202.0 161.3 241.9





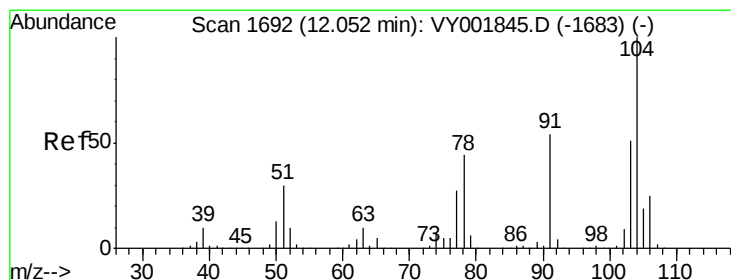
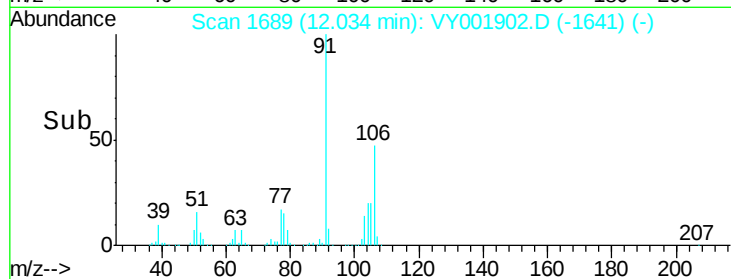
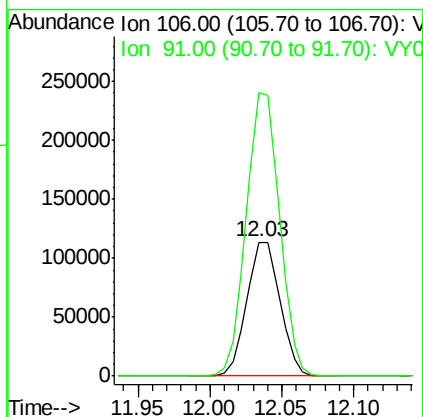
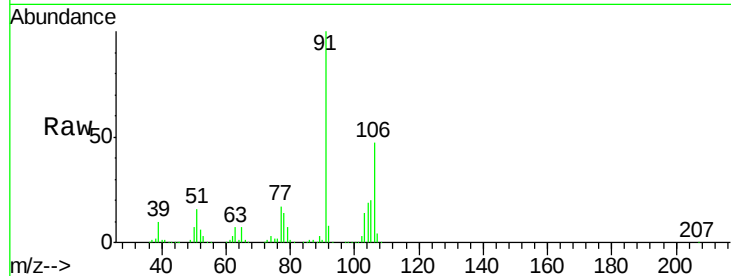
#69  
o-Xylene  
Concen: 51.656 ug/l  
RT: 12.03 min Scan# 1689  
Delta R.T. -0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleID :  
VSTDCCC050EC

Tot Ion:106 Resp: 182179  
Ion Ratio Lower Upper  
106 100  
91 211.6 106.8 320.4

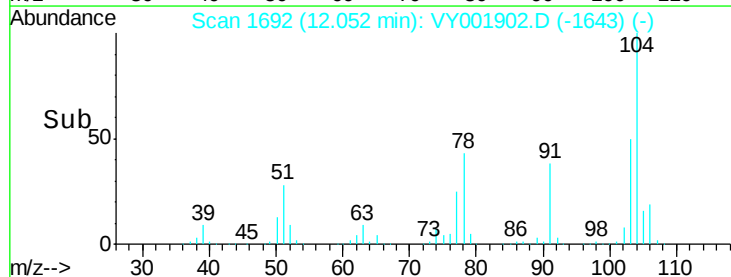
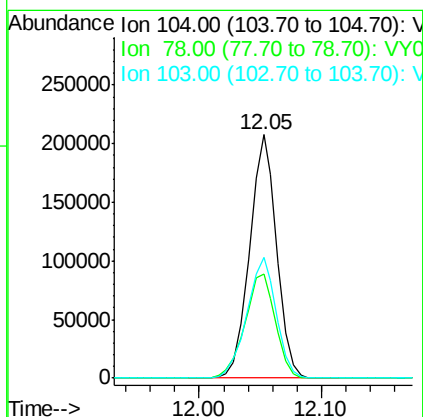
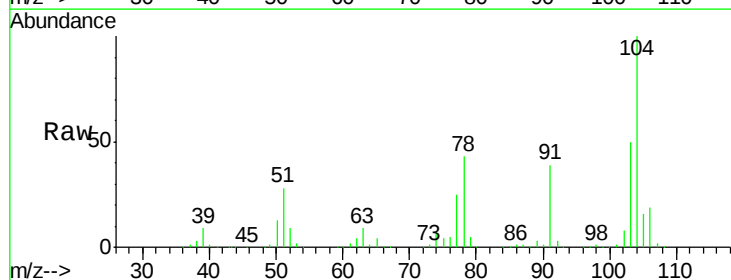
Manual Integrations  
APPROVED

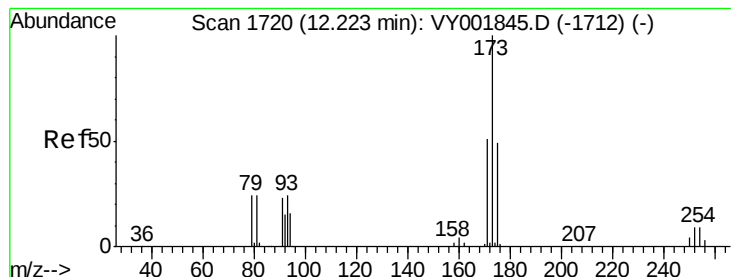
MMDadoda  
3/9/2020 11:41:06 AM



#70  
Styrene  
Concen: 52.698 ug/l  
RT: 12.05 min Scan# 1692  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Tgt Ion:104 Resp: 318317  
Ion Ratio Lower Upper  
104 100  
78 48.2 38.5 57.7  
103 53.9 42.9 64.3





#71

Bromoform

Concen: 52.386 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

Instrument :

MSVOA\_Y

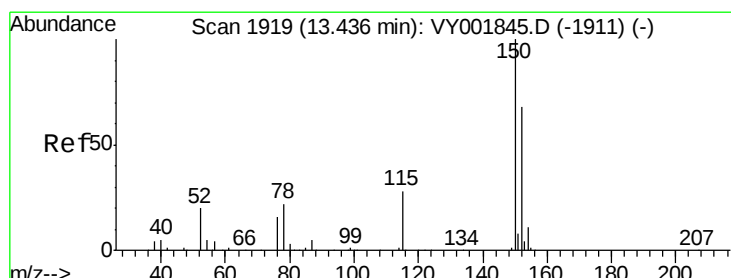
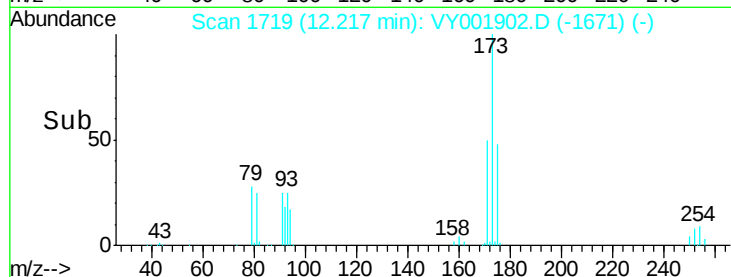
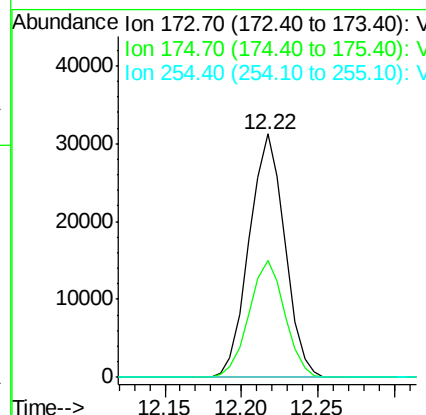
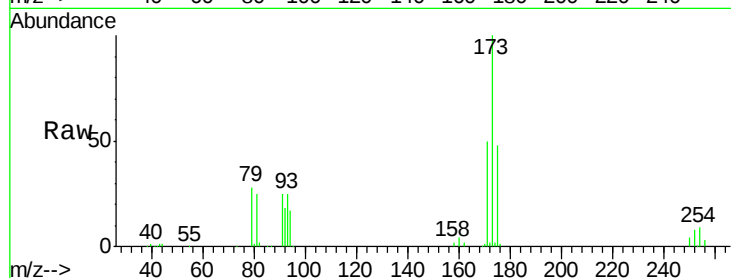
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 173   | Resp: | 50559 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.0  | 24.3  | 72.8  |
| 254       | 0.0   | 0.0   | 0.0   |

Manual Integrations  
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

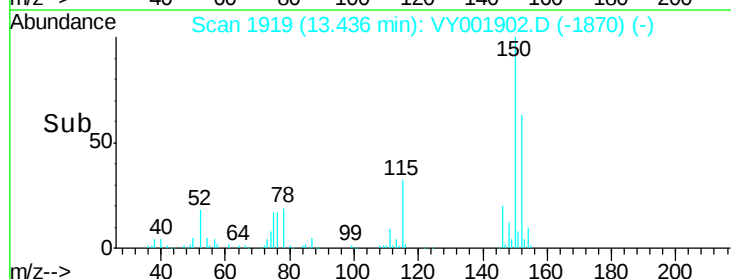
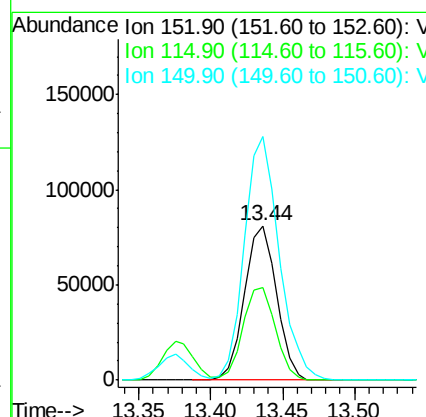
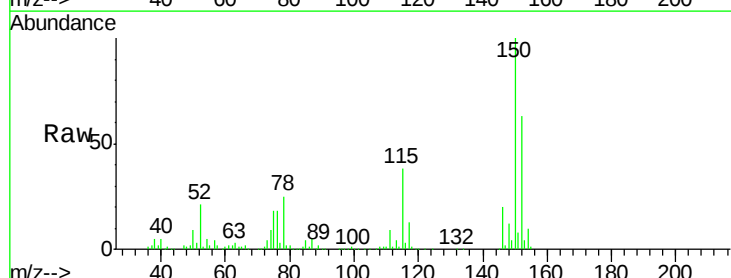
RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 124546 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 60.9  | 29.9  | 89.7   |
| 150       | 171.8 | 0.0   | 340.6  |





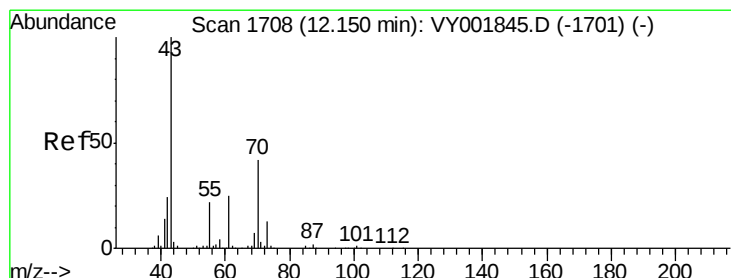
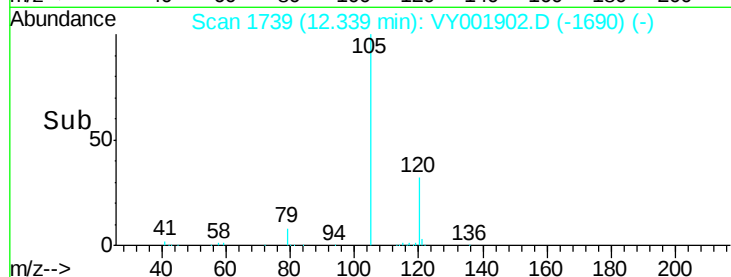
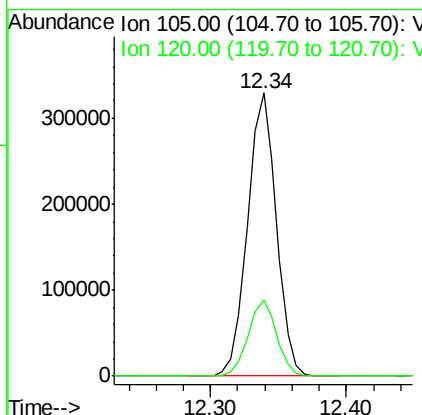
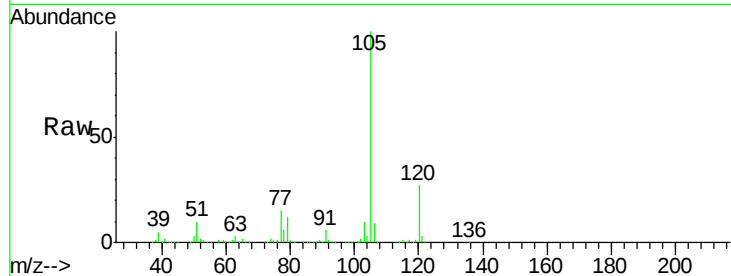
#73  
Isopropylbenzene  
Concen: 51.366 ug/l  
RT: 12.34 min Scan# 1739  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.5  | 13.1  | 39.3  |

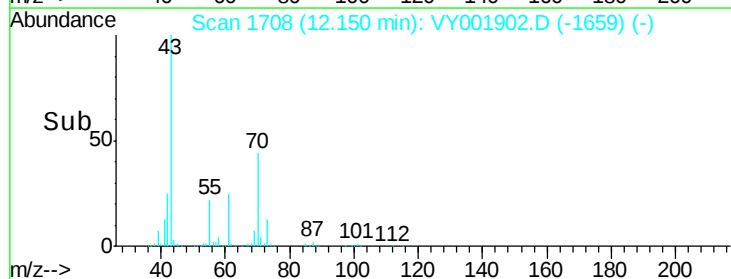
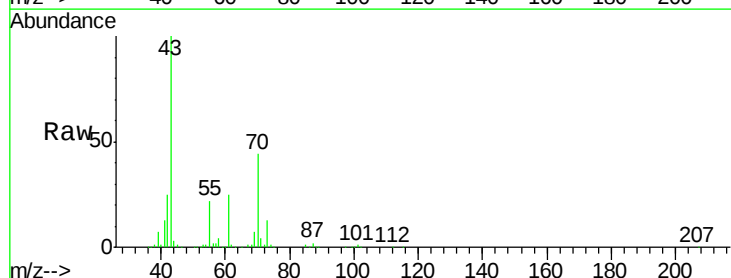
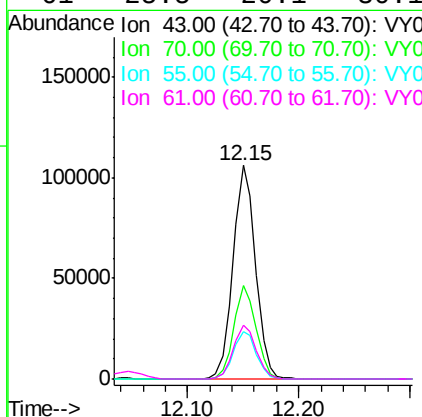
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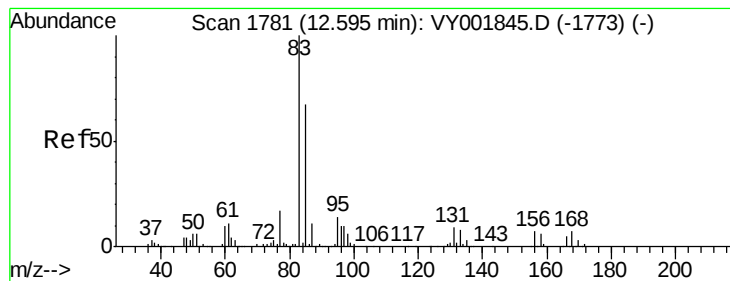
MMDadoda  
3/9/2020 11:41:06 AM



#74  
N-ethyl acetate  
Concen: 50.768 ug/l  
RT: 12.15 min Scan# 1708  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 42.9  | 34.7  | 52.1  |
| 55      | 22.8  | 18.2  | 27.4  |
| 61      | 25.5  | 20.1  | 30.1  |





#75

1,1,2,2-Tetrachloroethane

Concen: 51.296 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 105170

Ion Ratio Lower Upper

83 100

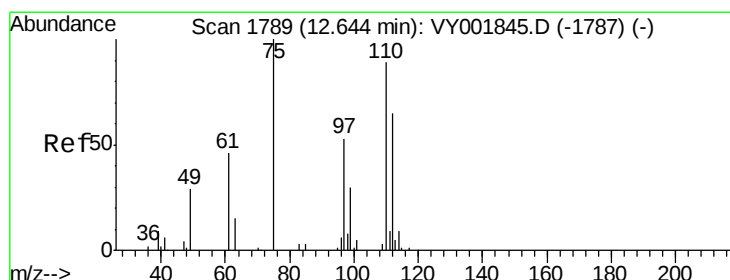
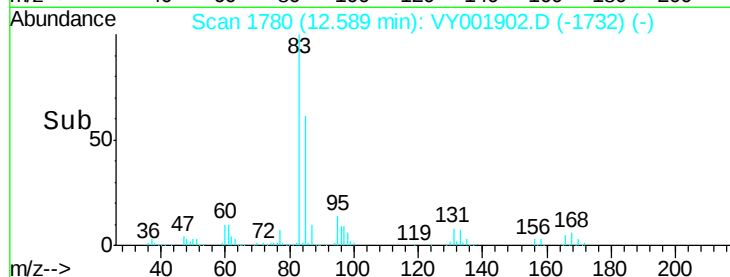
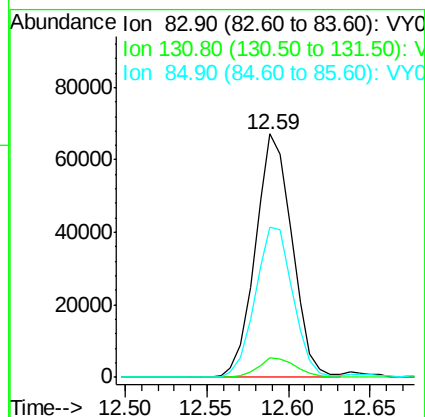
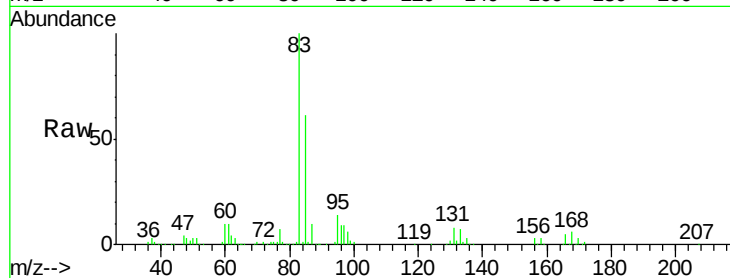
131 8.5 4.6 13.8

85 63.5 32.1 96.3

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#76

1,2,3-Trichloropropane

Concen: 42.812 ug/l m

RT: 12.64 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VY001902.D

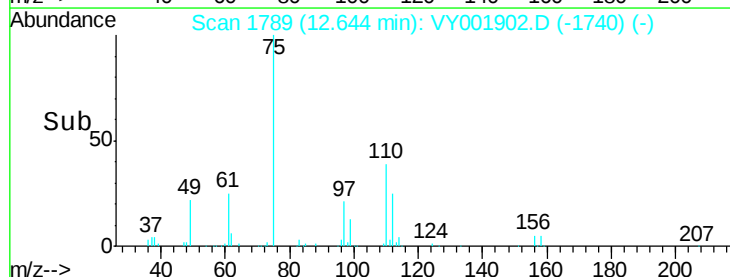
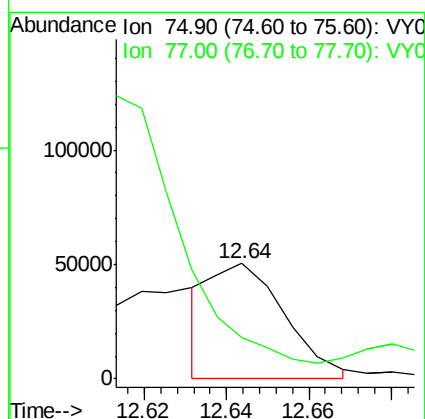
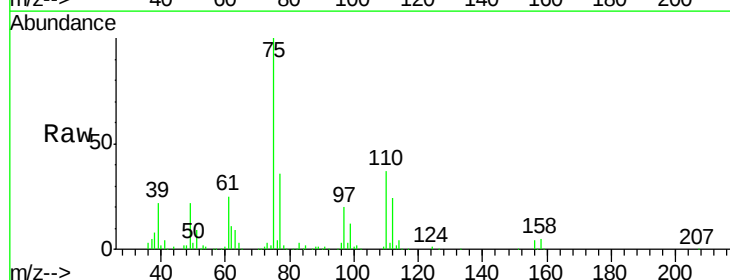
Acq: 06 Mar 2020 16:55

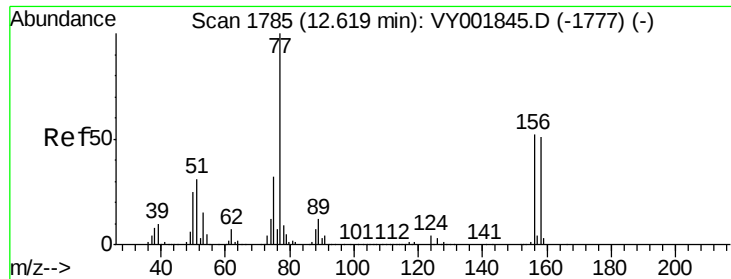
Tgt Ion: 75 Resp: 63268

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.307 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 103350

Ion Ratio Lower Upper

156 100

77 215.7 109.0 327.0

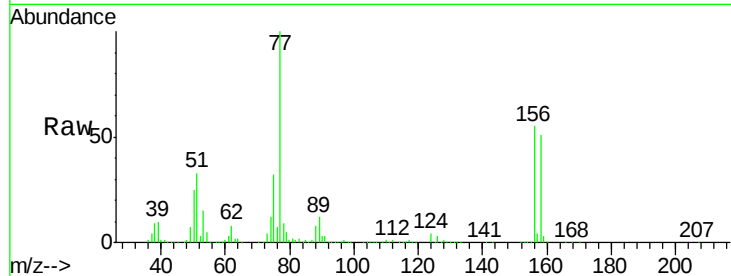
158 97.1 48.9 146.8

Manual Integrations

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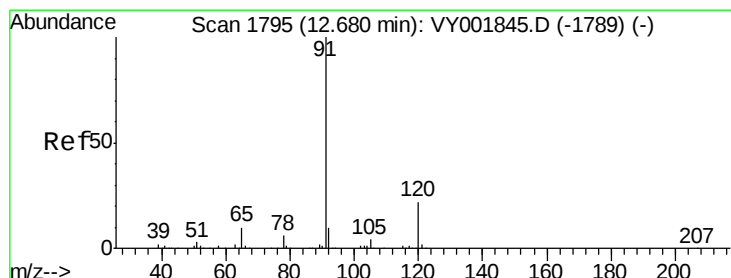
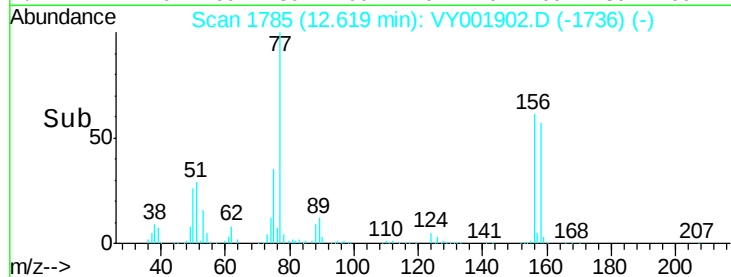
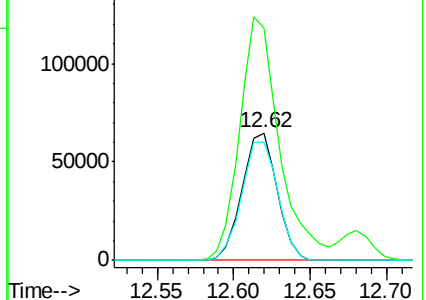
3/9/2020 11:41:06 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.697 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY001902.D

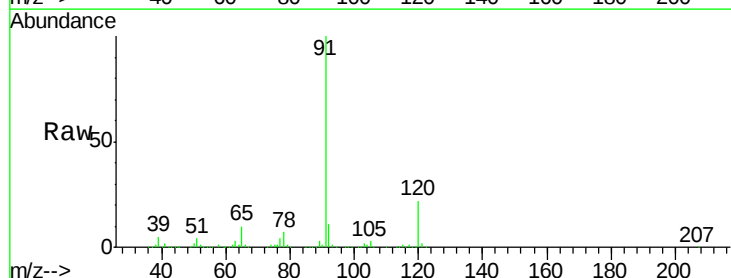
Acq: 06 Mar 2020 16:55

Tgt Ion: 91 Resp: 606384

Ion Ratio Lower Upper

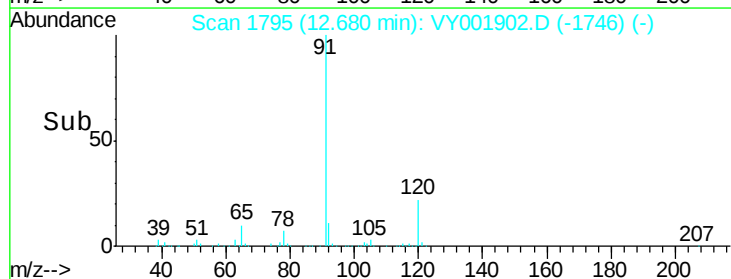
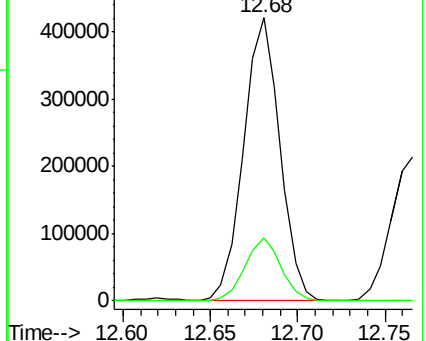
91 100

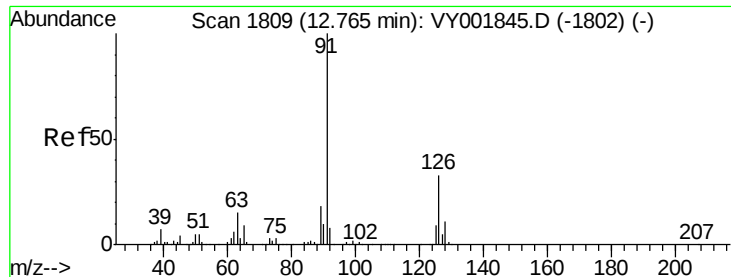
120 21.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.373 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

Instrument :

MSVOA\_Y

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 332915

Ion Ratio Lower Upper

91 100

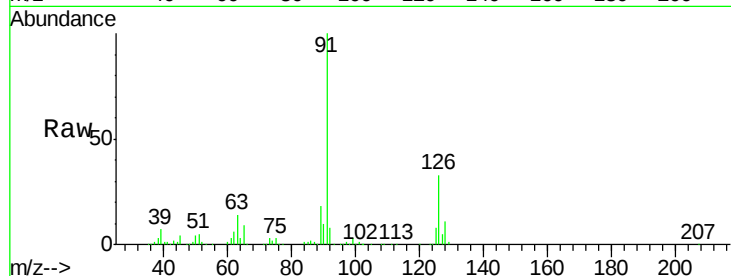
126 32.9 16.3 48.8

Manual Integrations

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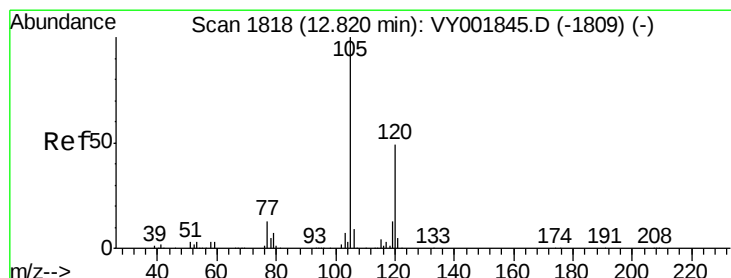
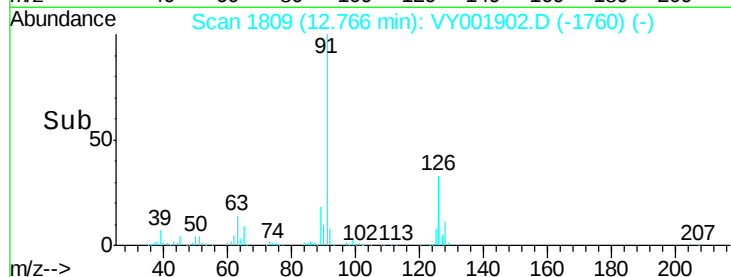
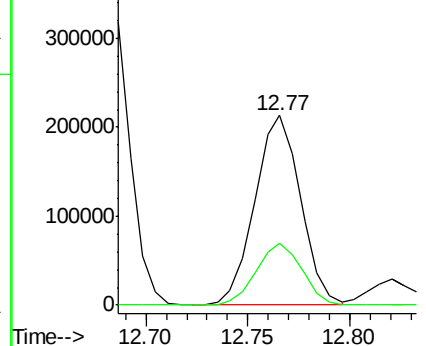
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Abundance Ion 91.00 (90.70 to 91.70): VY001845.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY001845.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.743 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001902.D

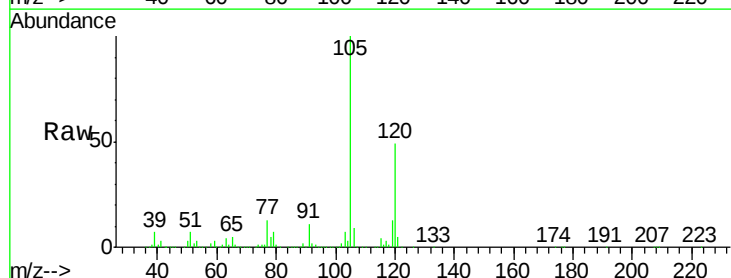
Acq: 06 Mar 2020 16:55

Tgt Ion: 105 Resp: 404989

Ion Ratio Lower Upper

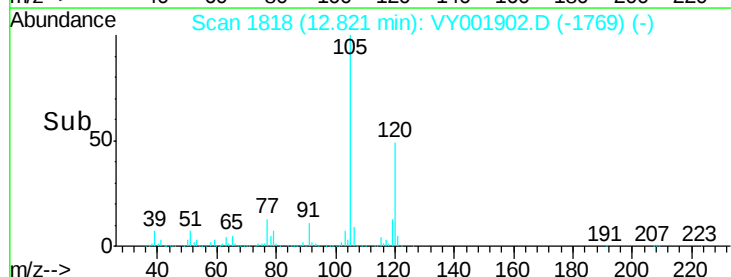
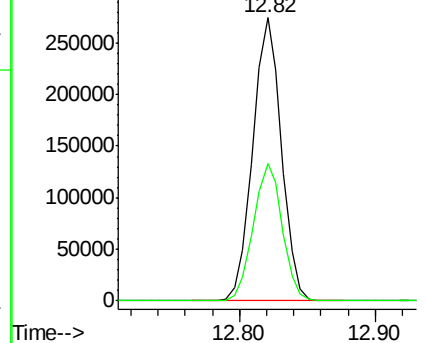
105 100

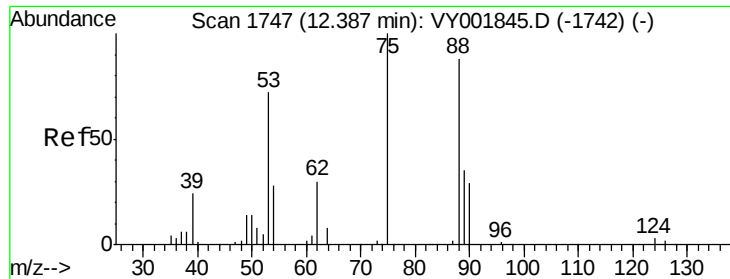
120 48.9 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VY001845.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY001845.D (-1809) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.260 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

Instrument :

MSVOA\_Y

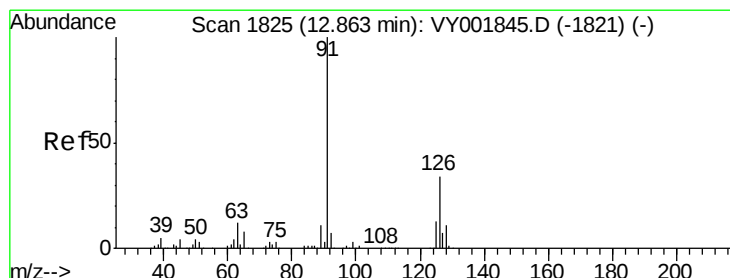
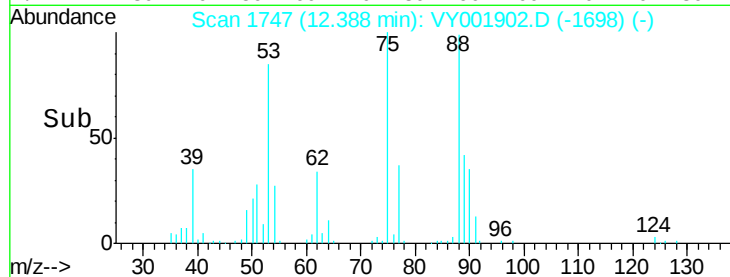
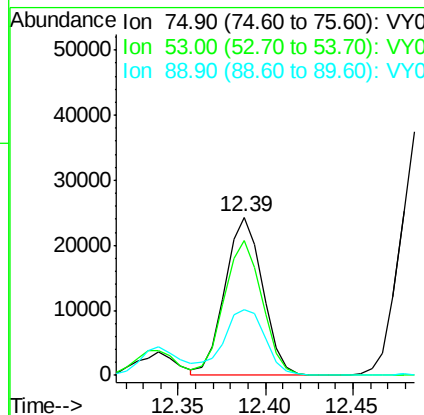
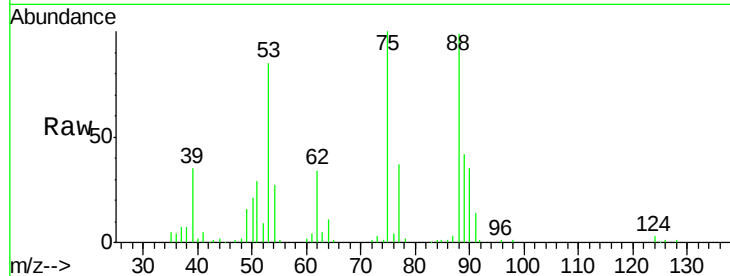
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 36039 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 87.3  | 65.4  | 98.0  |
| 89       | 47.5  | 36.0  | 54.0  |

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#82

4-Chlorotoluene

Concen: 51.654 ug/l

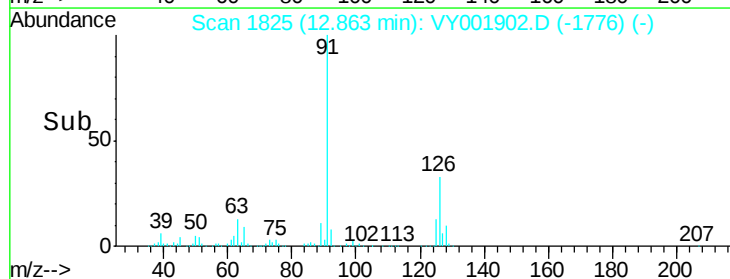
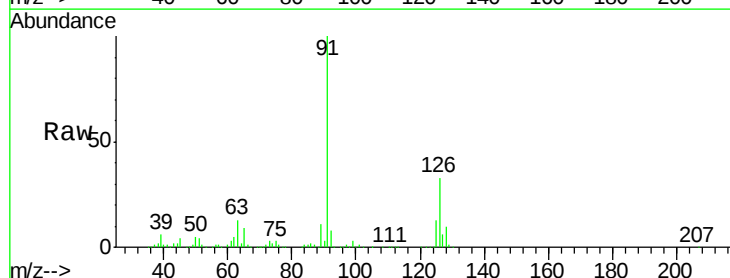
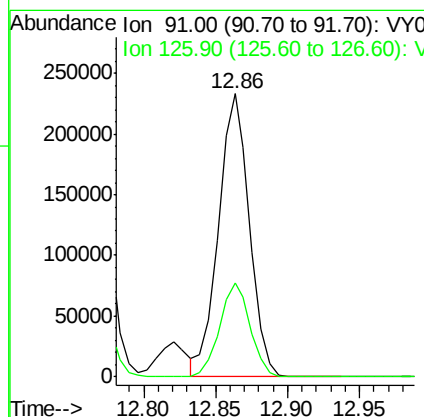
RT: 12.86 min Scan# 1825

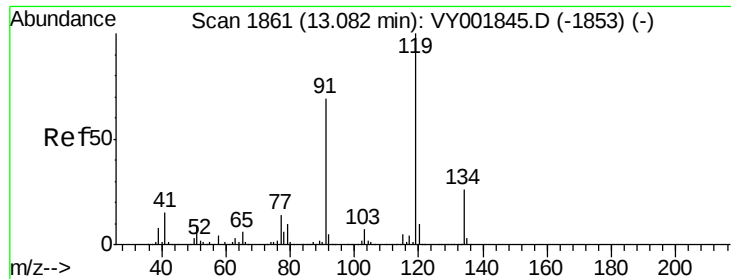
Delta R.T. 0.00 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 348526 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 32.9  | 16.4  | 49.2   |





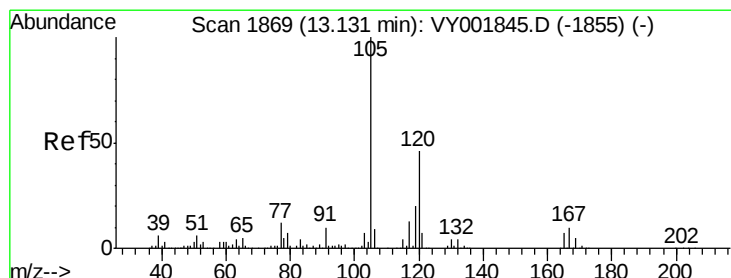
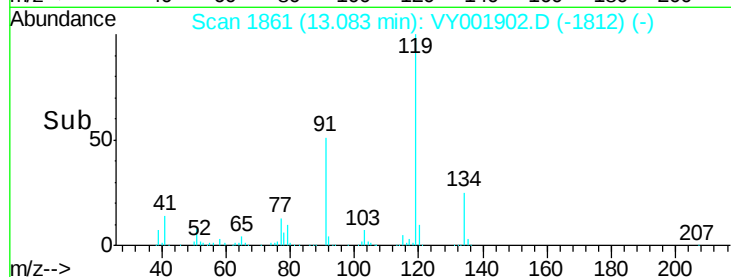
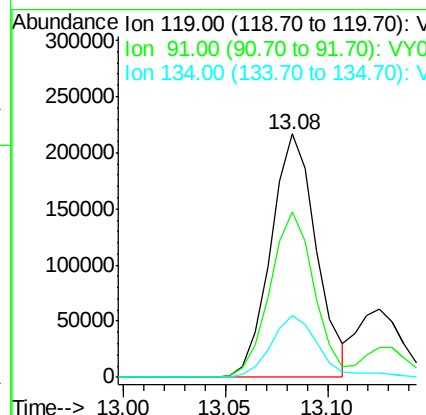
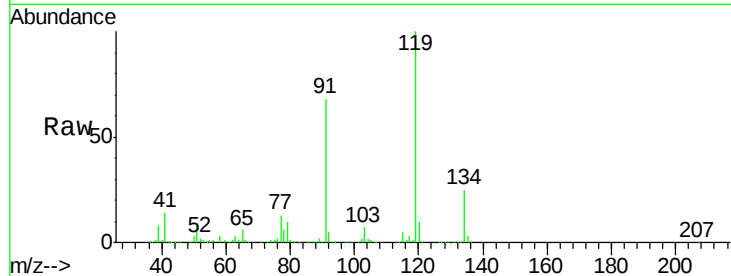
#83  
 tert-Butylbenzene  
 Concen: 51.870 ug/l  
 RT: 13.08 min Scan# 1861  
 Delta R.T. 0.00 min  
 Lab File: VY001902.D  
 Acq: 06 Mar 2020 16:55

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 67.1  | 34.0  | 101.8 |
| 134     | 27.0  | 13.5  | 40.4  |

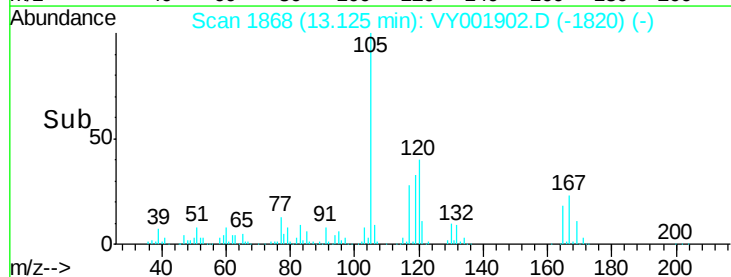
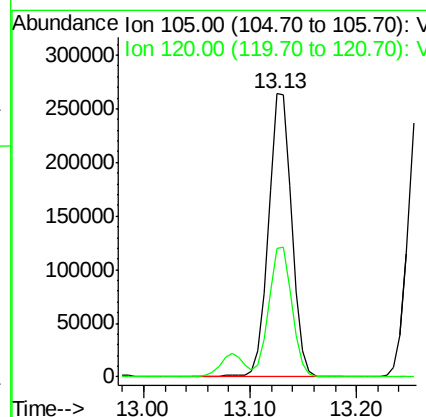
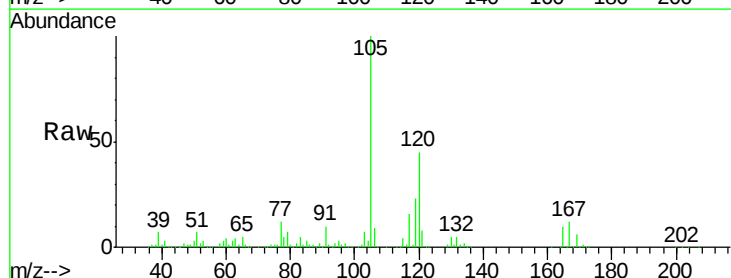
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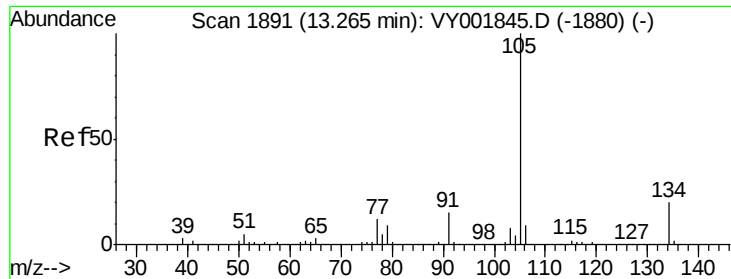
MMDadoda  
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 52.014 ug/l  
 RT: 13.13 min Scan# 1868  
 Delta R.T. -0.01 min  
 Lab File: VY001902.D  
 Acq: 06 Mar 2020 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.6  | 22.6  | 67.7  |





#85

sec-Butylbenzene

Concen: 51.802 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.01 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 496381

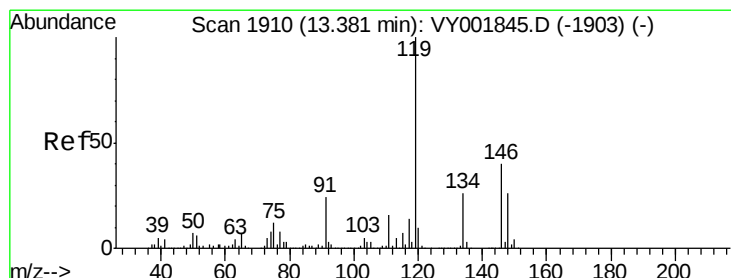
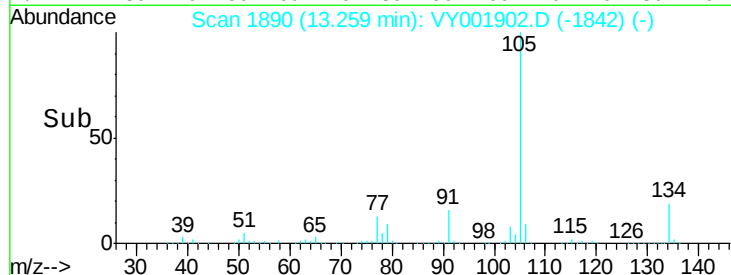
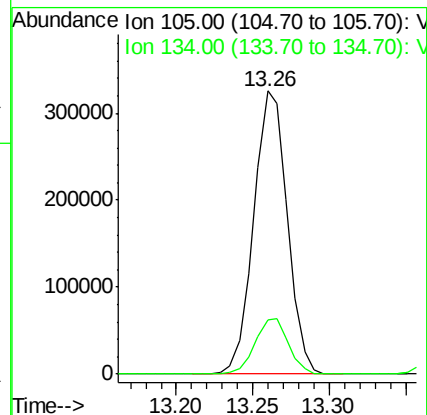
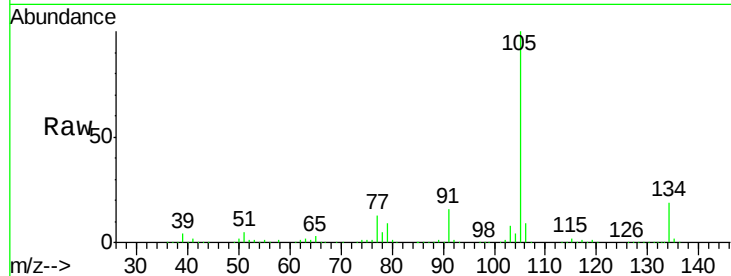
Ion Ratio Lower Upper

105 100

134 19.7 9.7 29.1

Manual Integrations  
APPROVED

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3/9/2020 11:41:06 AM



#86

p-Isopropyltoluene

Concen: 51.930 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.01 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

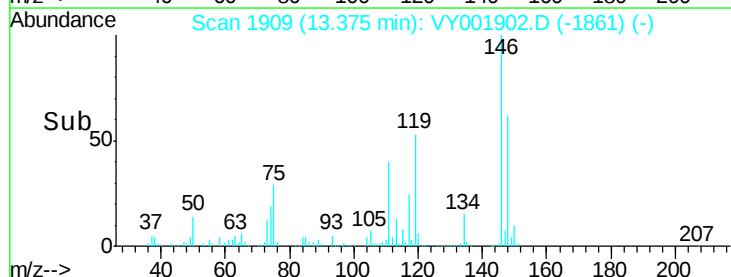
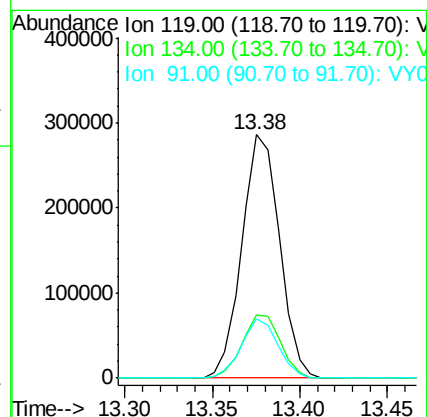
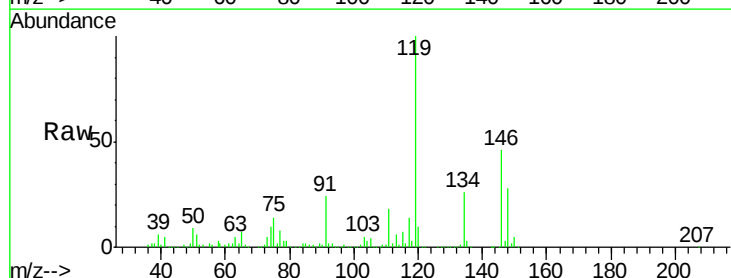
Tgt Ion:119 Resp: 429249

Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

91 23.6 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 51.131 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

Instrument :

MSVOA\_Y

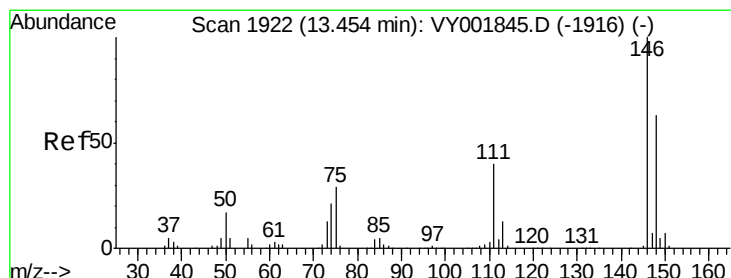
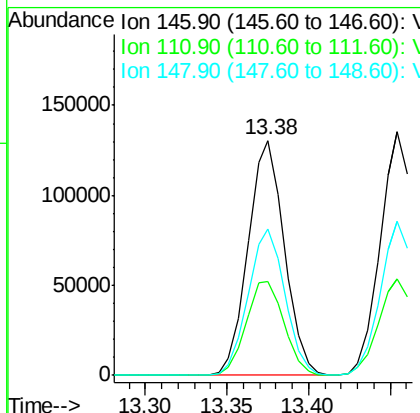
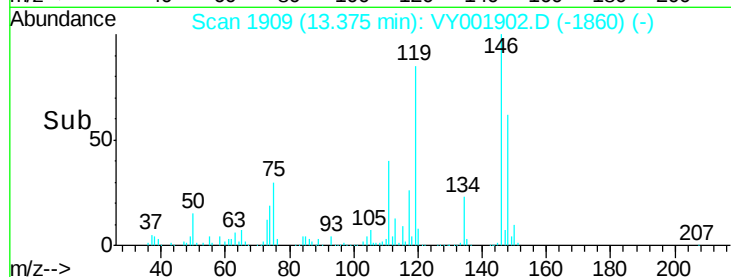
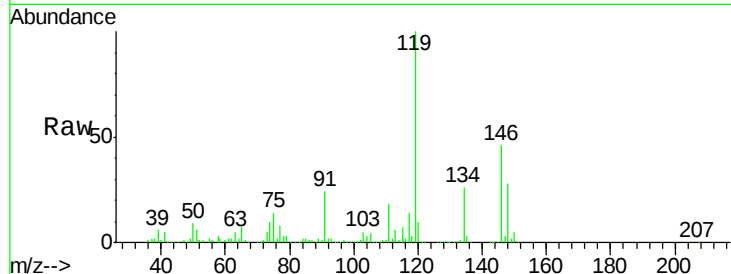
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 201829 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 41.7  | 20.8  | 62.5   |
| 148       | 63.0  | 31.4  | 94.0   |

Manual Integrations  
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#88

1,4-Dichlorobenzene

Concen: 50.465 ug/l

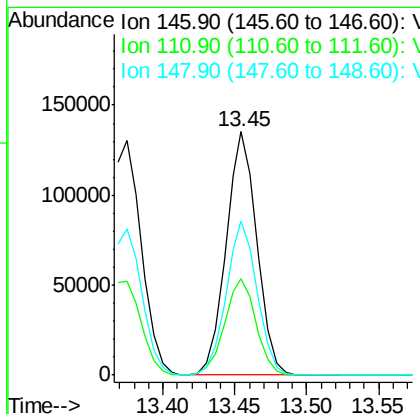
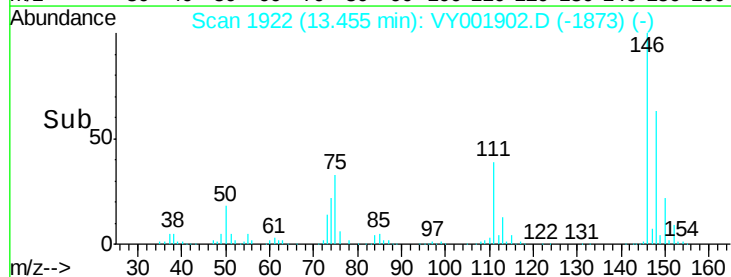
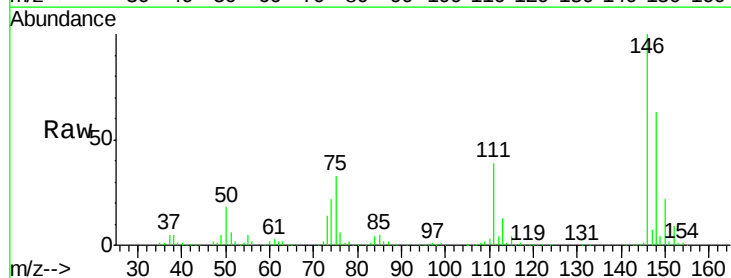
RT: 13.45 min Scan# 1922

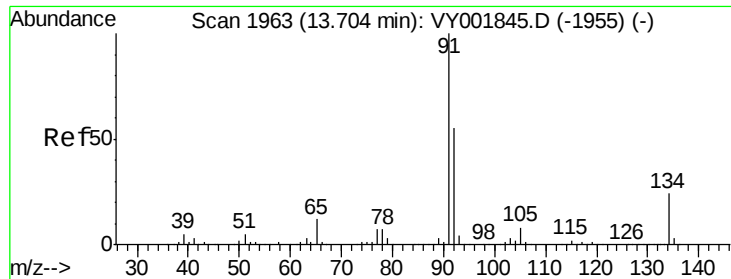
Delta R.T. 0.00 min

Lab File: VY001902.D

Acq: 06 Mar 2020 16:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 202088 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 40.4  | 20.0  | 60.0   |
| 148       | 63.4  | 31.5  | 94.5   |





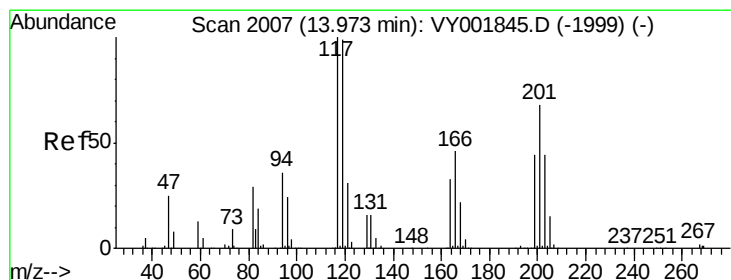
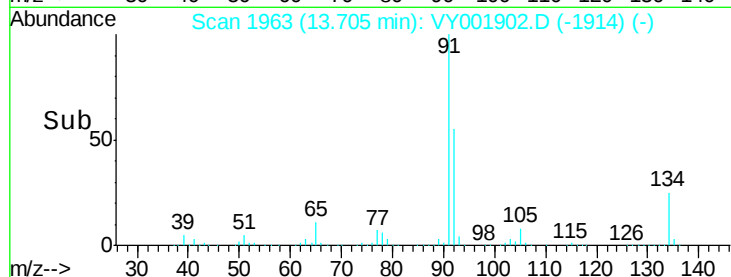
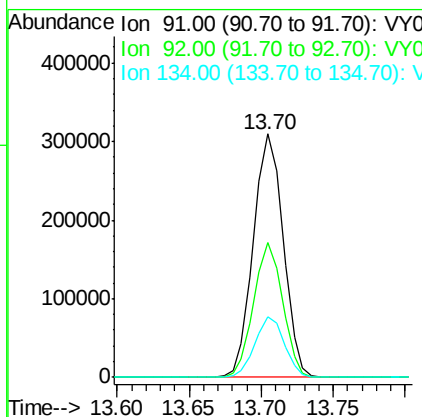
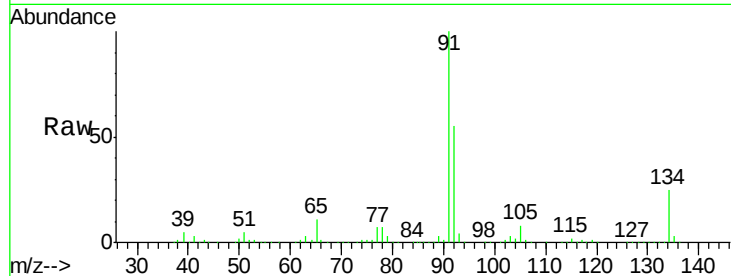
#89  
n-Butylbenzene  
Concen: 51.798 ug/l  
RT: 13.70 min Scan# 1963  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 444210 |       |       |
| 92      | 53.8 | 27.5  |        | 82.4  |       |
| 134     | 24.5 | 12.5  |        | 37.5  |       |

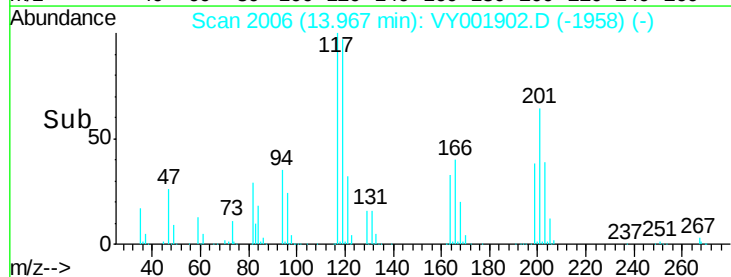
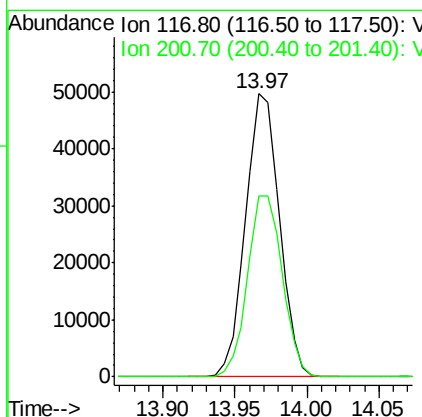
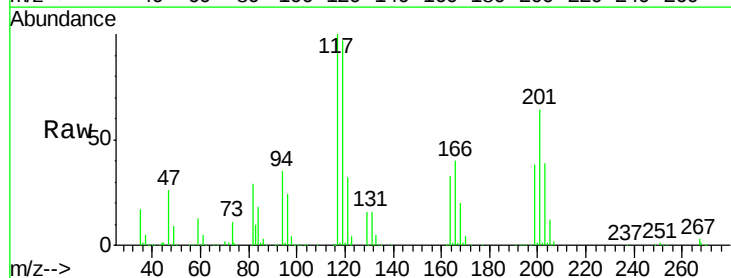
Manual Integrations  
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#90  
Hexachloroethane  
Concen: 51.967 ug/l  
RT: 13.97 min Scan# 2006  
Delta R.T. -0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 117     | 100  |       | 81037 |       |       |
| 201     | 65.4 | 32.5  |       | 97.5  |       |





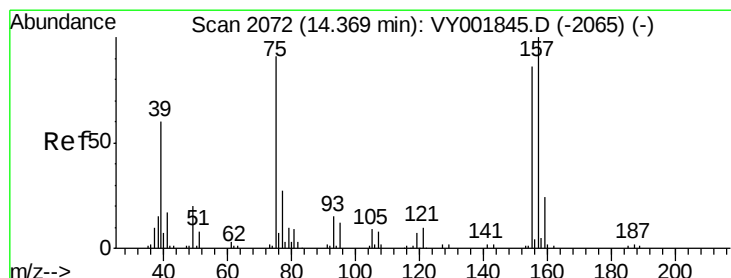
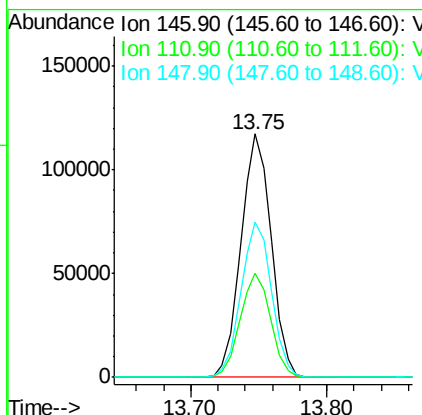
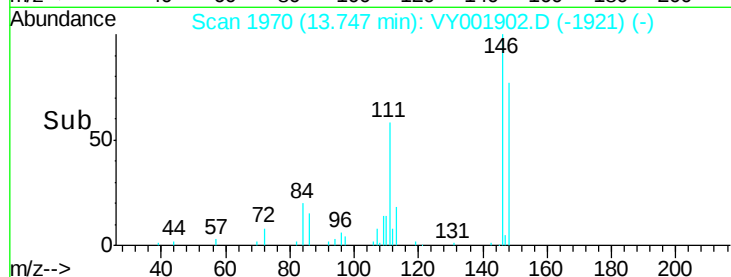
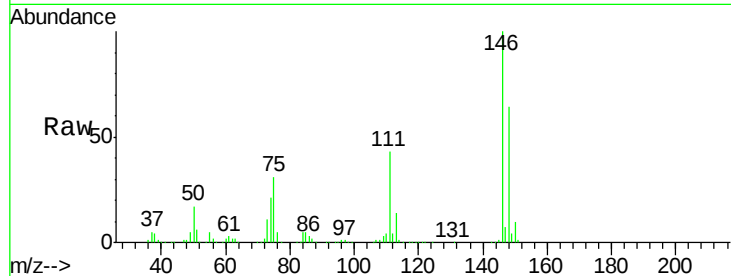
#91  
 1,2-Dichlorobenzene  
 Concen: 50.852 ug/l  
 RT: 13.75 min Scan# 1970  
 Delta R.T. 0.00 min  
 Lab File: VY001902.D  
 Acq: 06 Mar 2020 16:55

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.7  | 21.5  | 64.5  |
| 148     | 63.9  | 32.0  | 96.0  |

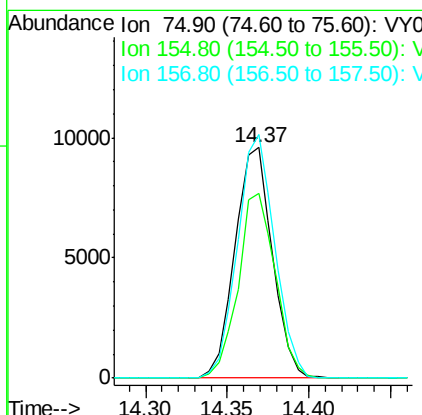
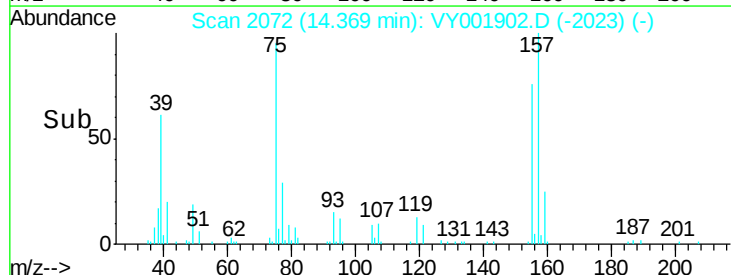
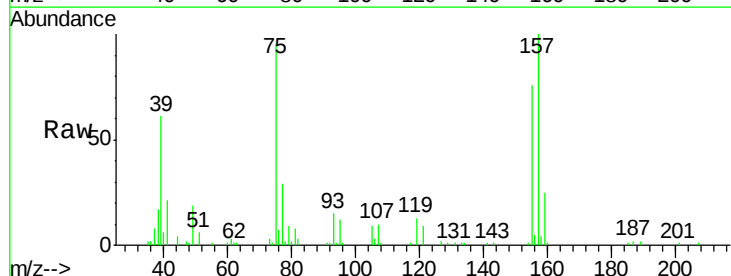
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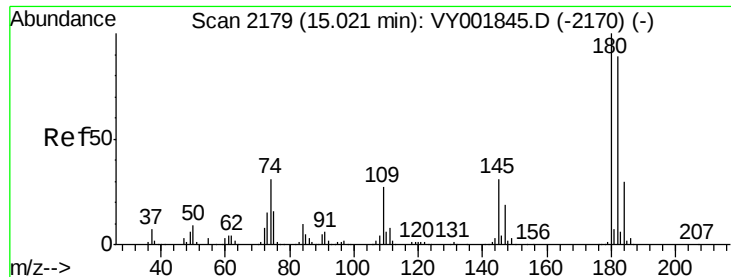
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 47.841 ug/l  
 RT: 14.37 min Scan# 2072  
 Delta R.T. 0.00 min  
 Lab File: VY001902.D  
 Acq: 06 Mar 2020 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 79.5  | 42.9  | 128.7 |
| 157     | 105.1 | 53.1  | 159.4 |





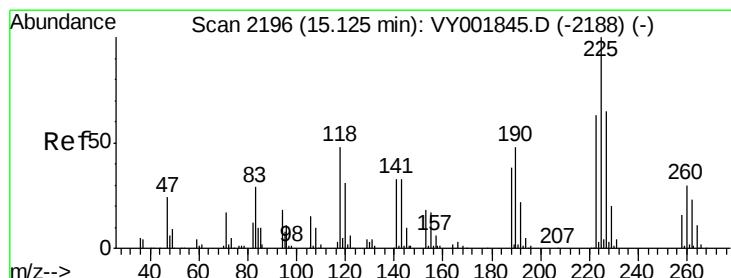
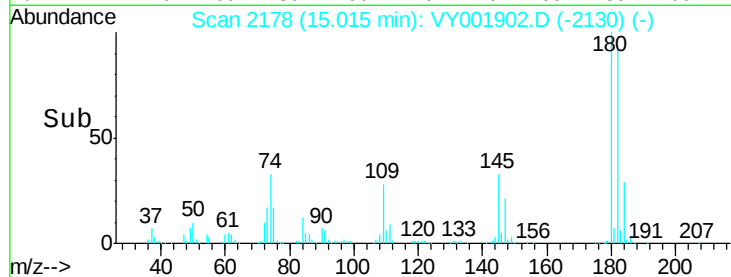
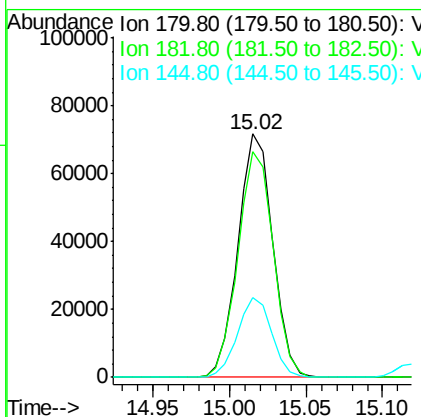
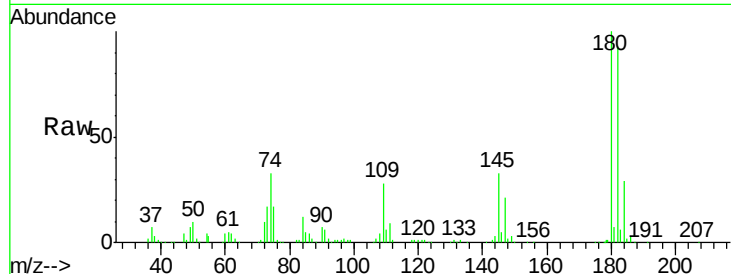
#93  
1,2,4-Trichlorobenzene  
Concen: 48.559 ug/l  
RT: 15.02 min Scan# 2178  
Delta R.T. -0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.3  | 46.1  | 138.3 |
| 145     | 32.4  | 15.6  | 46.8  |

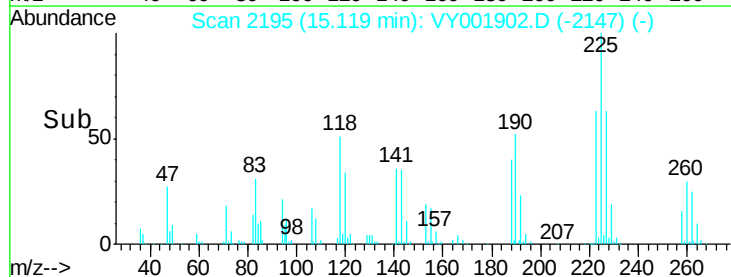
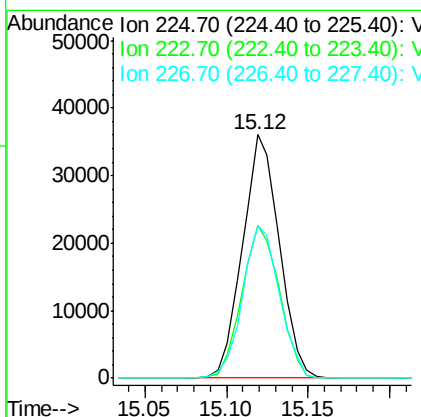
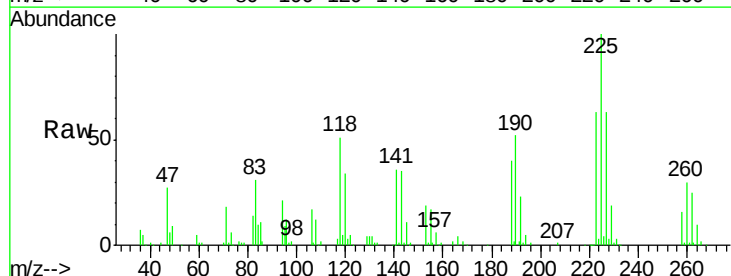
Manual Integrations  
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#94  
Hexachlorobutadiene  
Concen: 49.944 ug/l  
RT: 15.12 min Scan# 2195  
Delta R.T. -0.01 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.7  | 31.5  | 94.5  |
| 227     | 62.9  | 31.9  | 95.5  |





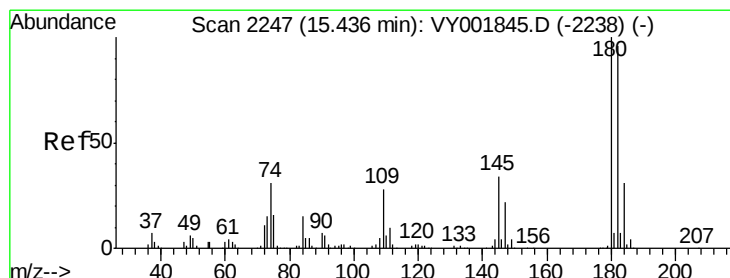
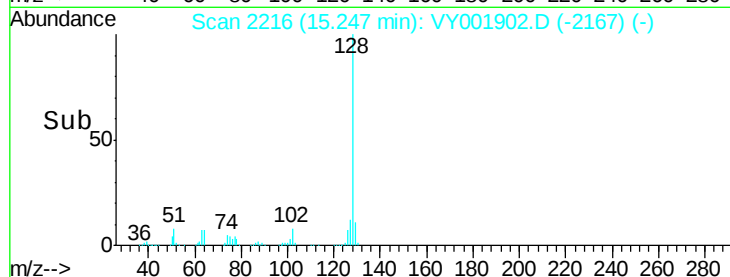
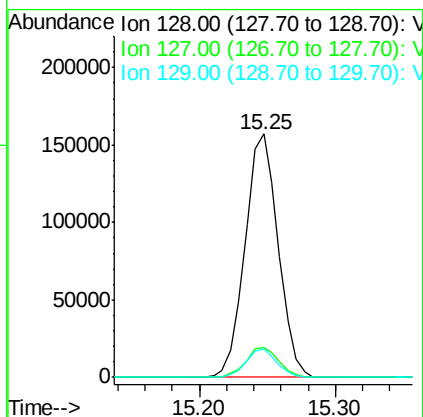
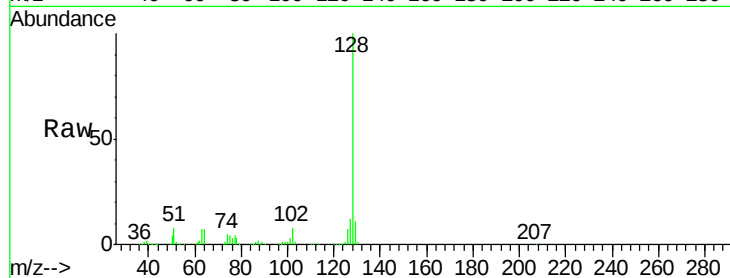
#95  
Naphthalene  
Concen: 48.341 ug/l  
RT: 15.25 min Scan# 2216  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.4  | 10.1  | 15.1  |
| 129     | 11.0  | 8.6   | 13.0  |

Manual Integrations  
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3/9/2020 11:41:06 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 49.386 ug/l  
RT: 15.44 min Scan# 2247  
Delta R.T. 0.00 min  
Lab File: VY001902.D  
Acq: 06 Mar 2020 16:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.2  | 47.6  | 142.9 |
| 145     | 33.5  | 16.8  | 50.3  |

