

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011720\  
 Data File : VY001288.D  
 Acq On : 17 Jan 2020 23:50  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 1/20/2020 11:06:34 AM

Quant Time: Jan 18 05:16:49 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y011020S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 10 16:01:58 2020  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|---------|--------|----------|
| 1) Pentafluorobenzene         | 7.84  | 168  | 186331   | 50.00   | ug/l   | 0.04     |
| 34) 1,4-Difluorobenzene       | 8.73  | 114  | 336606   | 50.00   | ug/l   | 0.04     |
| 63) Chlorobenzene-d5          | 11.52 | 117  | 300322   | 50.00   | ug/l   | 0.03     |
| 72) 1,4-Dichlorobenzene-d4    | 13.44 | 152  | 143762   | 50.00   | ug/l   | 0.02     |
| System Monitoring Compounds   |       |      |          |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.19  | 65   | 96600    | 49.09   | ug/l   | 0.04     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 98.18% |          |
| 35) Dibromofluoromethane      | 7.77  | 113  | 88584    | 44.95   | ug/l   | 0.04     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 89.90% |          |
| 50) Toluene-d8                | 10.21 | 98   | 363812   | 47.91   | ug/l   | 0.02     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 95.82% |          |
| 62) 4-Bromofluorobenzene      | 12.50 | 95   | 137618   | 44.33   | ug/l   | 0.02     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 88.66% |          |
| Target Compounds              |       |      |          |         |        |          |
|                               |       |      |          |         | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.93  | 85   | 56440    | 39.441  | ug/l   | 99       |
| 3) Chloromethane              | 2.14  | 50   | 89517    | 43.398  | ug/l   | 99       |
| 4) Vinyl Chloride             | 2.27  | 62   | 94742    | 45.592  | ug/l   | 97       |
| 5) Bromomethane               | 2.68  | 94   | 68609    | 61.466  | ug/l   | 99       |
| 6) Chloroethane               | 2.82  | 64   | 64243    | 53.512  | ug/l   | 93       |
| 7) Trichlorofluoromethane     | 3.16  | 101  | 126735   | 43.815  | ug/l   | 99       |
| 8) Diethyl Ether              | 3.57  | 74   | 55504    | 49.383  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluoroet | 3.95  | 101  | 83194    | 44.683  | ug/l   | 99       |
| 10) Methyl Iodide             | 4.14  | 142  | 102985   | 40.411  | ug/l   | 97       |
| 11) Tert butyl alcohol        | 5.02  | 59   | 51291    | 259.038 | ug/l   | 100      |
| 12) 1,1-Dichloroethene        | 3.92  | 96   | 84780    | 44.508  | ug/l   | 99       |
| 13) Acrolein                  | 3.77  | 56   | 47254    | 265.093 | ug/l   | 98       |
| 14) Allyl chloride            | 4.54  | 41   | 151127   | 47.008  | ug/l   | 99       |
| 15) Acrylonitrile             | 5.23  | 53   | 144230   | 256.587 | ug/l   | 99       |
| 16) Acetone                   | 4.00  | 43   | 114322   | 250.132 | ug/l   | 99       |
| 17) Carbon Disulfide          | 4.24  | 76   | 240883   | 39.072  | ug/l   | 100      |
| 18) Methyl Acetate            | 4.53  | 43   | 73871    | 48.885  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether   | 5.28  | 73   | 264325   | 50.166  | ug/l   | 99       |
| 20) Methylene Chloride        | 4.77  | 84   | 123364   | 58.903  | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene  | 5.28  | 96   | 100767   | 46.654  | ug/l   | 98       |
| 22) Diisopropyl ether         | 6.18  | 45   | 338097   | 51.489  | ug/l   | 95       |
| 23) Vinyl Acetate             | 6.12  | 43   | 1079898  | 257.150 | ug/l   | 100      |
| 24) 1,1-Dichloroethane        | 6.08  | 63   | 179672   | 49.981  | ug/l   | 98       |
| 25) 2-Butanone                | 7.04  | 43   | 189618   | 266.569 | ug/l   | 95       |
| 26) 2,2-Dichloropropane       | 7.04  | 77   | 144806   | 43.805  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene    | 7.04  | 96   | 118401   | 50.028  | ug/l   | 99       |
| 28) Bromochloromethane        | 7.38  | 49   | 88234    | 59.772  | ug/l   | 98       |
| 29) Tetrahydrofuran           | 7.40  | 42   | 125536   | 257.524 | ug/l   | 97       |
| 30) Chloroform                | 7.56  | 83   | 179062   | 50.837  | ug/l   | 97       |
| 31) Cyclohexane               | 7.83  | 56   | 156716   | 41.174  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane     | 7.75  | 97   | 149158   | 47.726  | ug/l   | 99       |
| 36) 1,1-Dichloropropene       | 7.96  | 75   | 134916   | 43.976  | ug/l   | 100      |
| 37) Ethyl Acetate             | 7.13  | 43   | 84521    | 46.943  | ug/l   | 98       |
| 38) Carbon Tetrachloride      | 7.95  | 117  | 125980   | 44.807  | ug/l   | 94       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011720\  
 Data File : VY001288.D  
 Acq On : 17 Jan 2020 23:50  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 1/20/2020 11:06:34 AM

Quant Time: Jan 18 05:16:49 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y011020S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 10 16:01:58 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.22  | 83   | 169224   | 40.686   | ug/l   | 99       |
| 40) Benzene                    | 8.21  | 78   | 419965   | 46.894   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.36  | 41   | 41789m   | 49.410   | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.28  | 62   | 119501   | 47.654   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.32  | 43   | 168220   | 48.859   | ug/l   | 98       |
| 44) Trichloroethene            | 8.97  | 130  | 107401   | 46.025   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.25  | 63   | 108877   | 49.177   | ug/l   | 96       |
| 46) Dibromomethane             | 9.34  | 93   | 58524    | 48.447   | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.53  | 83   | 143423   | 48.717   | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.33  | 41   | 75930    | 47.658   | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.33  | 88   | 16122    | 1095.898 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 10.10 | 43   | 427250   | 244.565  | ug/l   | 100      |
| 52) Toluene                    | 10.27 | 92   | 266539   | 46.664   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.49 | 75   | 154165   | 46.797   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.96  | 75   | 174824   | 47.069   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.67 | 97   | 86673    | 48.398   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.53 | 69   | 132290   | 48.291   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.81 | 76   | 152620   | 49.642   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.82  | 63   | 224893   | 233.417  | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.86 | 43   | 302381   | 246.975  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.01 | 129  | 99982    | 48.490   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.11 | 107  | 82526    | 47.194   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.75 | 164  | 88484    | 45.706   | ug/l   | 95       |
| 65) Chlorobenzene              | 11.54 | 112  | 284617   | 47.429   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.61 | 131  | 102792   | 49.700   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.61 | 91   | 518175   | 47.203   | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.72 | 106  | 395365   | 95.474   | ug/l   | 98       |
| 69) o-Xylene                   | 12.05 | 106  | 189121   | 47.633   | ug/l   | 100      |
| 70) Styrene                    | 12.06 | 104  | 339179   | 48.688   | ug/l   | 99       |
| 71) Bromoform                  | 12.23 | 173  | 58710    | 46.029   | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.35 | 105  | 504275   | 46.659   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.16 | 43   | 177469   | 52.617   | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.60 | 83   | 109393   | 48.109   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.65 | 75   | 80312m   | 52.185   | ug/l   |          |
| 77) Bromobenzene               | 12.63 | 156  | 115237   | 48.255   | ug/l   | 96       |
| 78) n-propylbenzene            | 12.69 | 91   | 611804   | 47.062   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.78 | 91   | 350176   | 46.903   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.83 | 105  | 428266   | 47.492   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 39219    | 43.215   | ug/l # | 98       |
| 82) 4-Chlorotoluene            | 12.88 | 91   | 373505   | 46.862   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.09 | 119  | 366026   | 48.306   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.14 | 105  | 432224   | 48.266   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.27 | 105  | 518208   | 47.539   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.39 | 119  | 454632   | 48.036   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.38 | 146  | 222084   | 49.173   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.46 | 146  | 221931   | 47.745   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.71 | 91   | 451945   | 47.412   | ug/l   | 99       |
| 90) Hexachloroethane           | 13.98 | 117  | 89298    | 48.288   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.76 | 146  | 208012   | 49.557   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.38 | 75   | 18466    | 45.020   | ug/l   | 97       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011720\  
Data File : VY001288.D  
Acq On : 17 Jan 2020 23:50  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

MMDadoda  
1/20/2020 11:06:34 AM

Quant Time: Jan 18 05:16:49 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y011020S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 10 16:01:58 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.02 | 180  | 133381   | 48.230 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.13 | 225  | 66263    | 47.561 | ug/l  | 98       |
| 95) Naphthalene            | 15.25 | 128  | 310700   | 48.258 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.44 | 180  | 118453   | 48.600 | ug/l  | 100      |

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

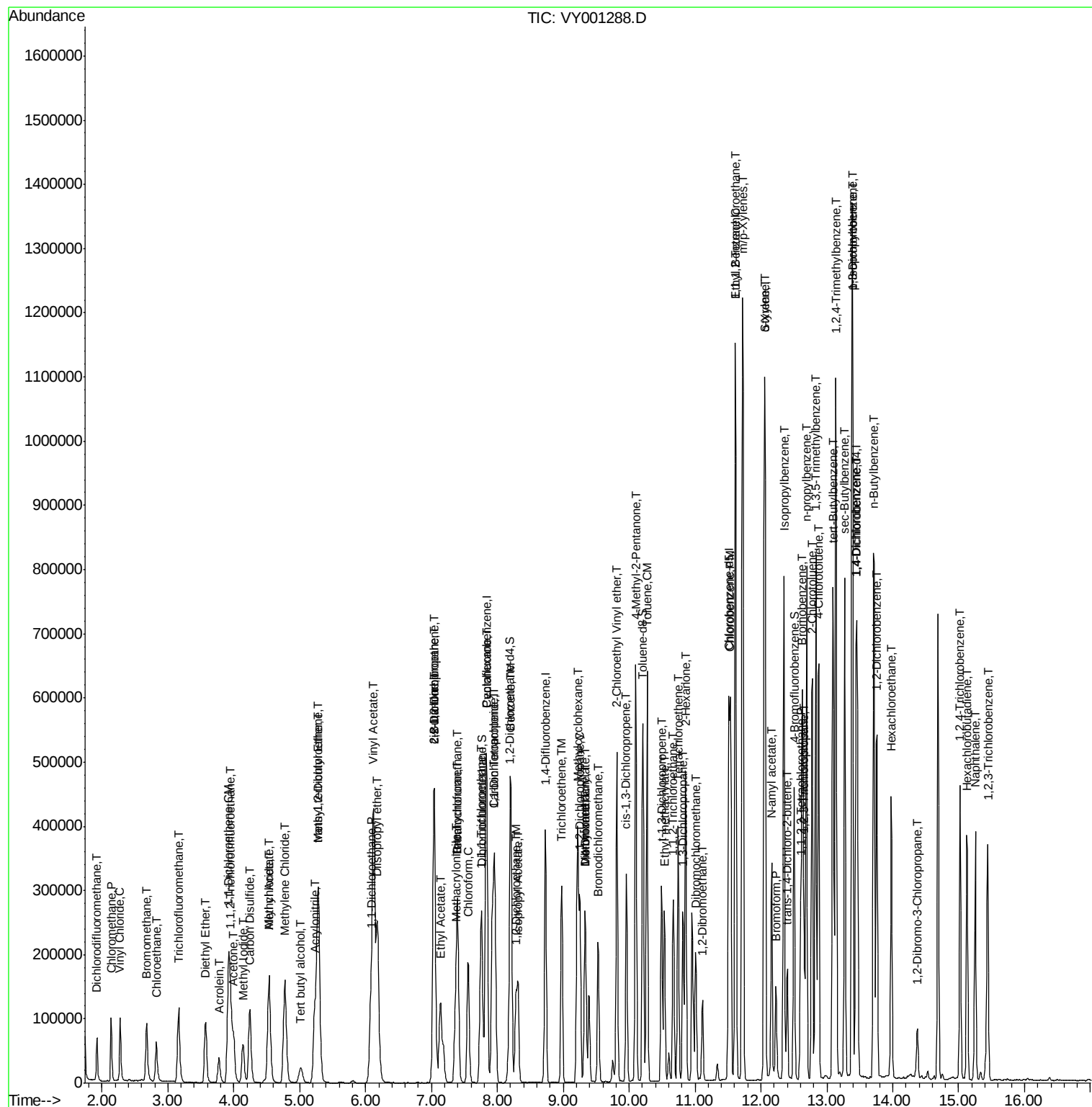
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY011720\  
 Data File : VY001288.D  
 Acq On : 17 Jan 2020 23:50  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

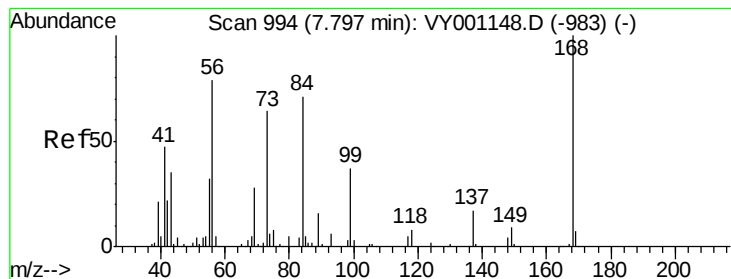
Instrument :  
 MSVOA\_Y  
 Client Sample Id :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 1/20/2020 11:06:34 AM

Quant Time: Jan 18 05:16:49 2020  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y011020S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 10 16:01:58 2020  
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.84 min Scan# 1001

Delta R.T. 0.04 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 186331

Ion Ratio Lower Upper

168 100

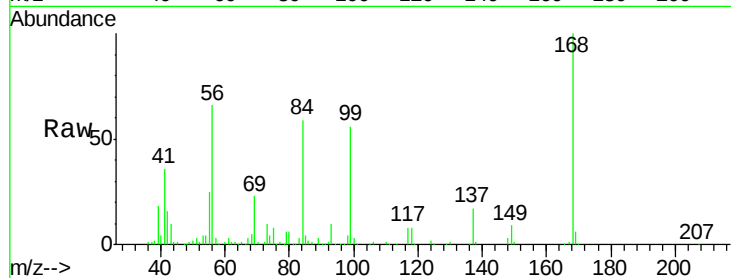
99 55.5 47.9 71.9

Manual Integrations

APPROVED

MMDadoda

1/20/2020 11:06:34 AM



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

7.84

80000

60000

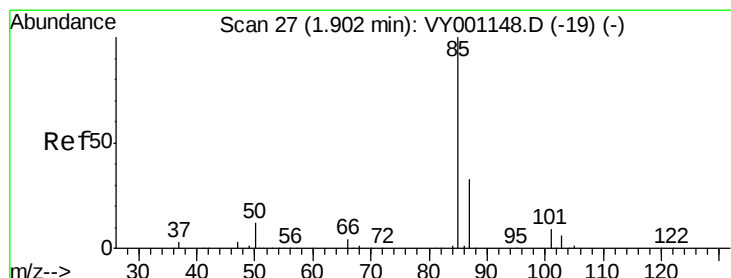
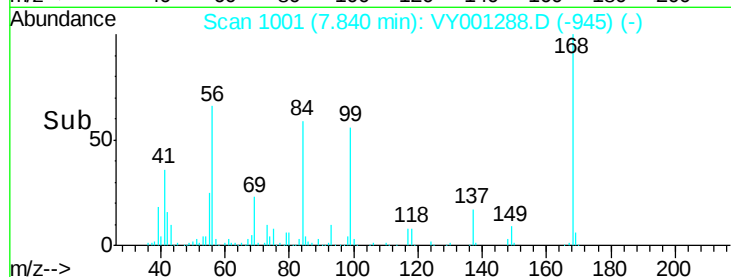
40000

20000

0

Time-->

7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 39.441 ug/l

RT: 1.93 min Scan# 31

Delta R.T. 0.02 min

Lab File: VY001288.D

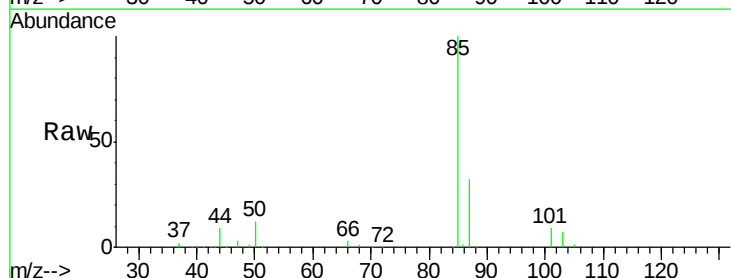
Acq: 17 Jan 2020 23:50

Tgt Ion: 85 Resp: 56440

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY001148.D (-19) (-)

Ion 86.90 (86.60 to 87.60): VY001148.D (-19) (-)

1.93

40000

30000

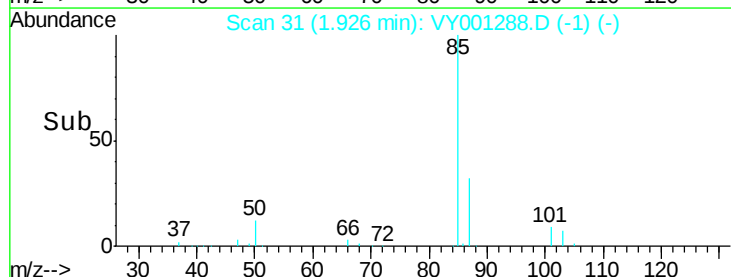
20000

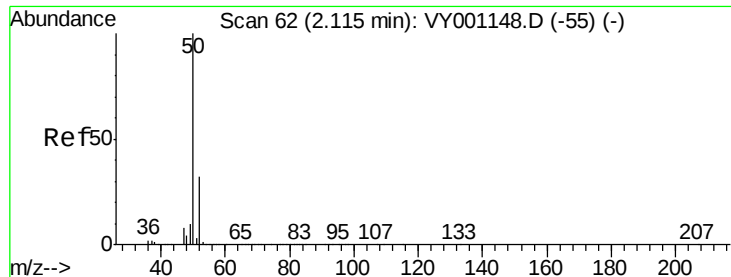
10000

0

Time-->

1.85 1.90 1.95 2.00 2.05





#3

Chloromethane

Concen: 43.398 ug/l

RT: 2.14 min Scan# 66

Delta R.T. 0.02 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 89517

Ion Ratio Lower Upper

50 100

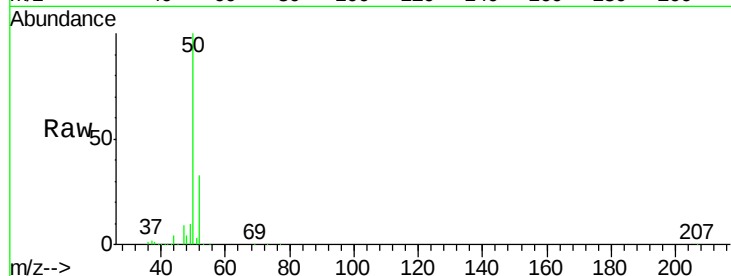
52 32.5 25.8 38.6

Manual Integrations

APPROVED

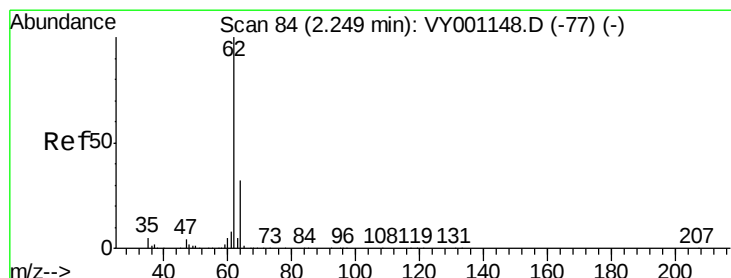
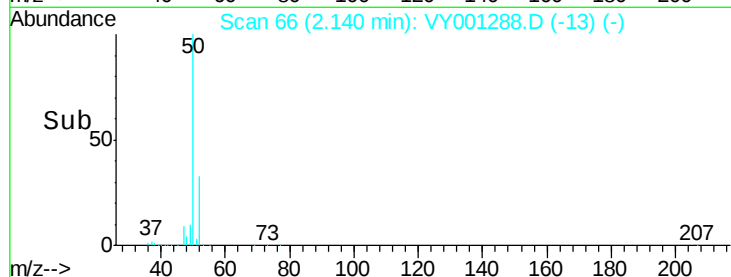
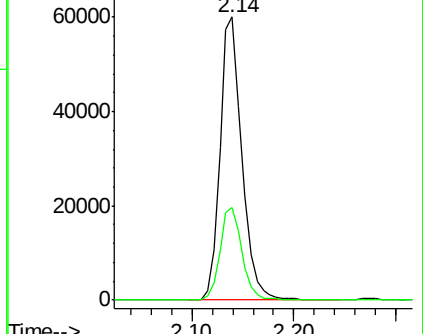
MMDadoda

1/20/2020 11:06:34 AM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 45.592 ug/l

RT: 2.27 min Scan# 88

Delta R.T. 0.02 min

Lab File: VY001288.D

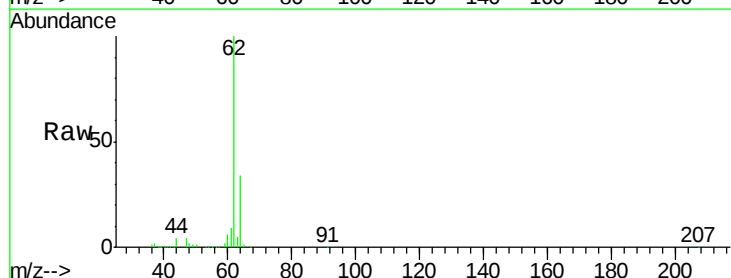
Acq: 17 Jan 2020 23:50

Tgt Ion: 62 Resp: 94742

Ion Ratio Lower Upper

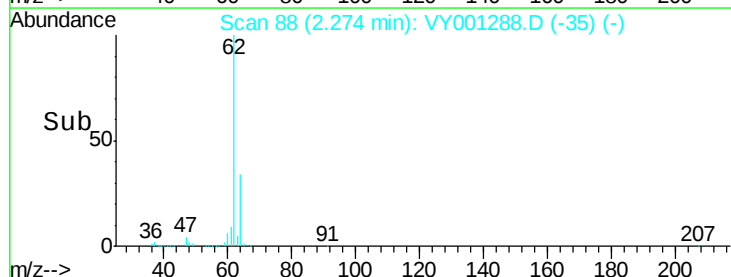
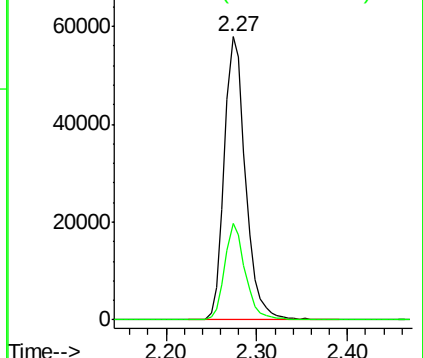
62 100

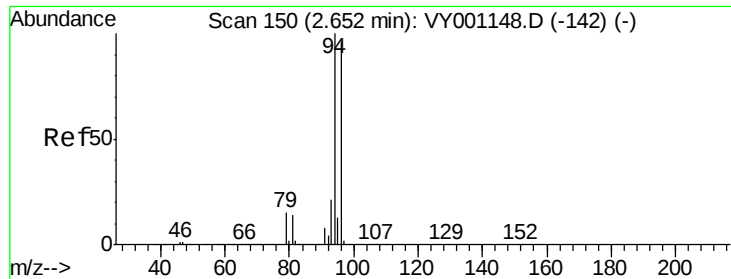
64 33.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 61.466 ug/l

RT: 2.68 min Scan# 154

Delta R.T. 0.02 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 68609

Ion Ratio Lower Upper

94 100

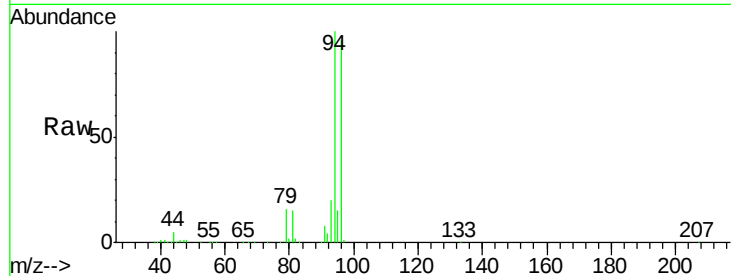
96 95.3 77.3 115.9

Manual Integrations

APPROVED

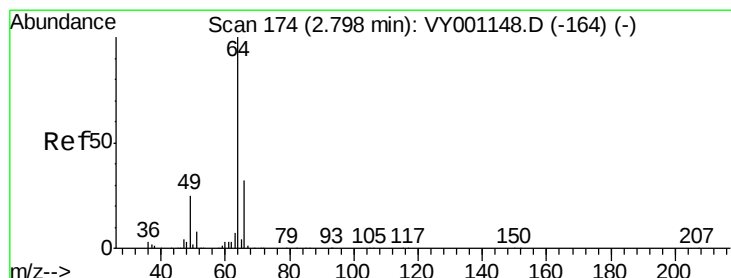
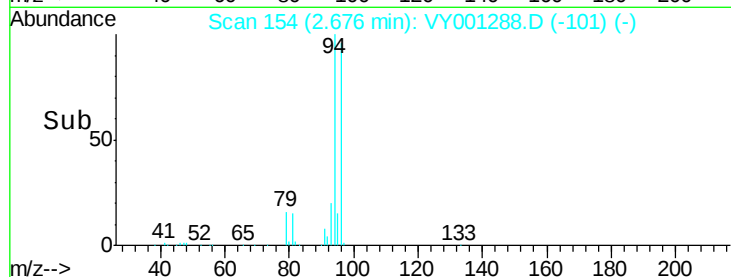
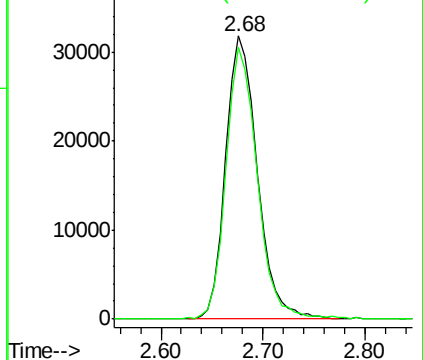
MMDadoda

1/20/2020 11:06:34 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 53.512 ug/l

RT: 2.82 min Scan# 178

Delta R.T. 0.02 min

Lab File: VY001288.D

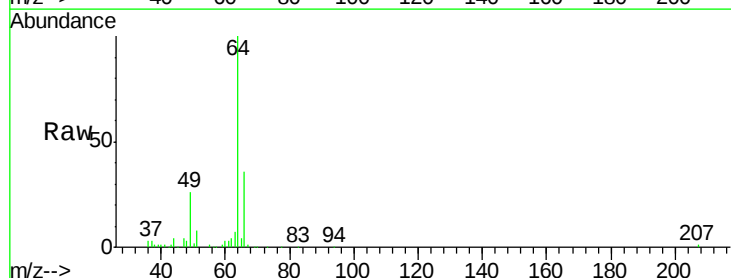
Acq: 17 Jan 2020 23:50

Tgt Ion: 64 Resp: 64243

Ion Ratio Lower Upper

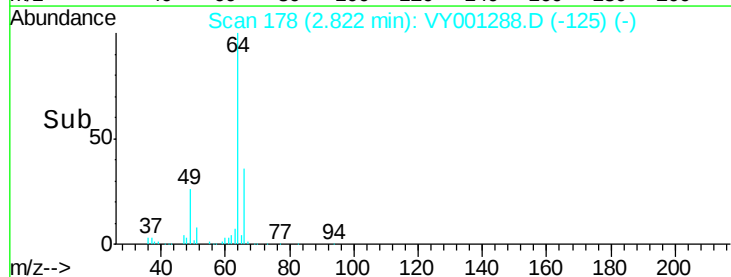
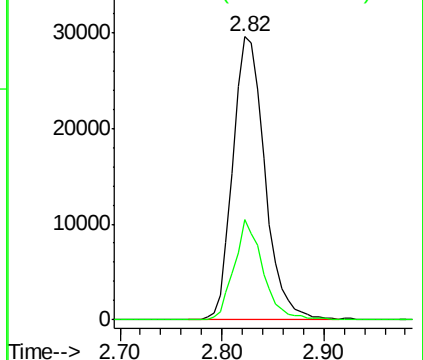
64 100

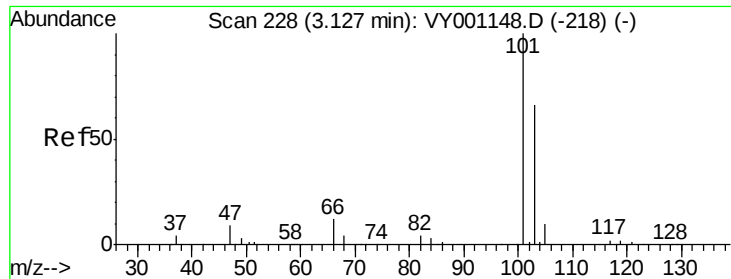
66 35.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

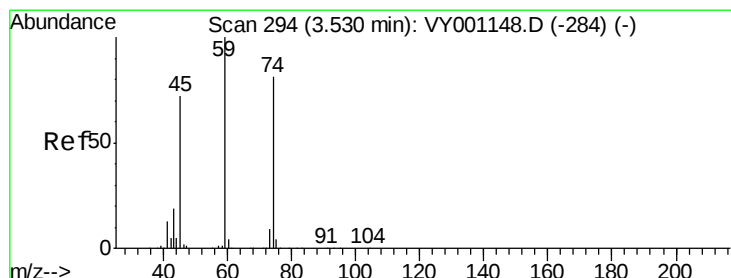
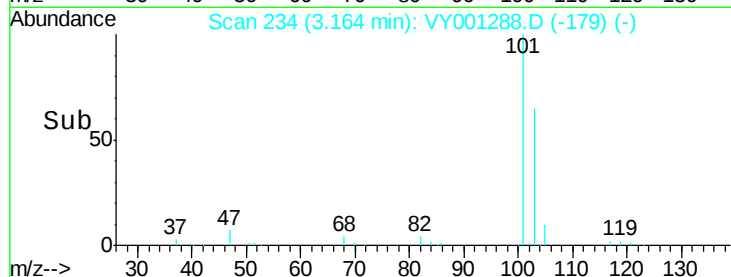
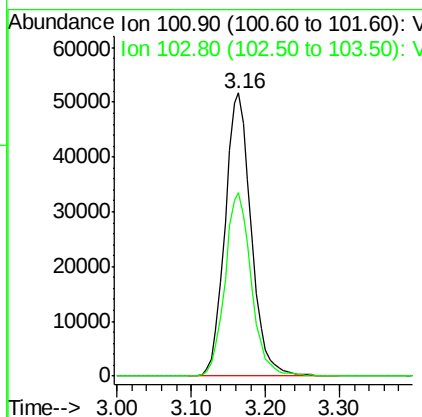
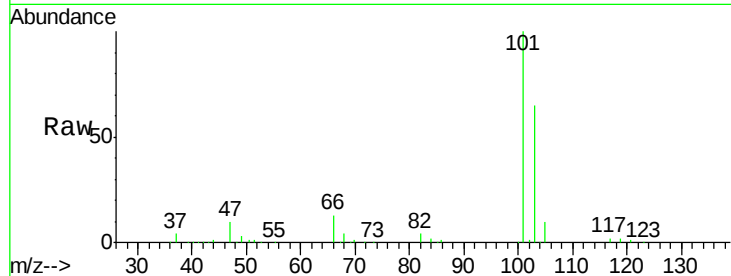
Trichlorofluoromethane  
Concen: 43.815 ug/l  
RT: 3.16 min Scan# 234  
Delta R.T. 0.04 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.8  | 52.6  | 79.0  |

Manual Integrations  
APPROVED

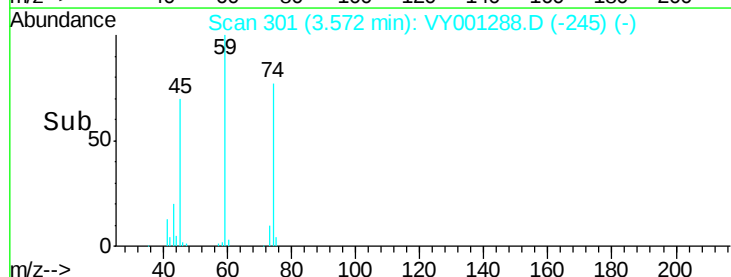
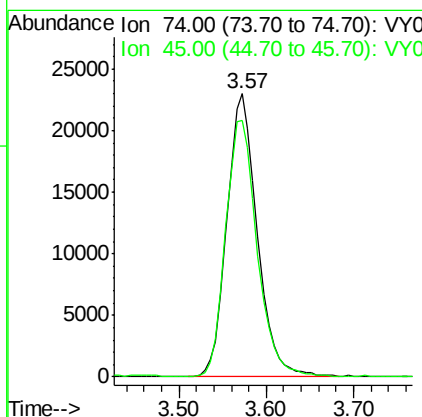
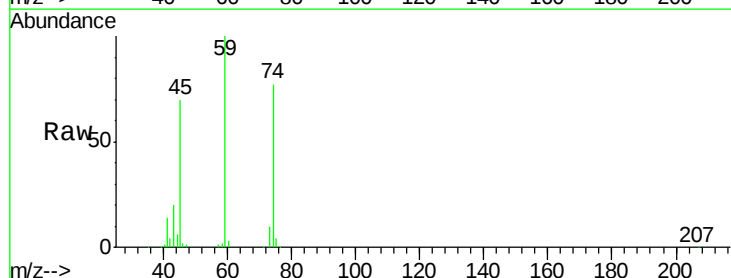
MMDadoda  
1/20/2020 11:06:34 AM

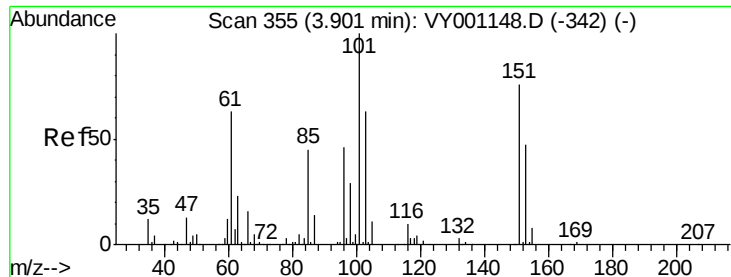


#8

Diethyl Ether  
Concen: 49.383 ug/l  
RT: 3.57 min Scan# 301  
Delta R.T. 0.04 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 94.4  | 45.5  | 136.5 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.683 ug/l

RT: 3.95 min Scan# 363

Delta R.T. 0.05 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

Instrument :

MSVOA\_Y

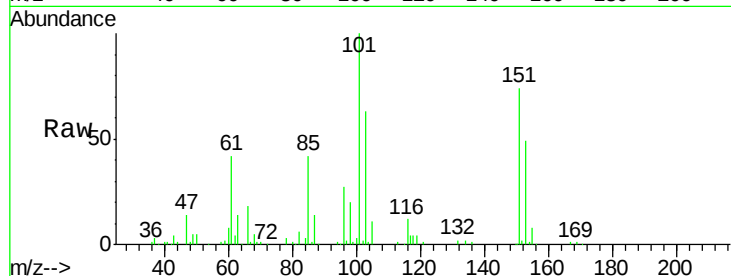
ClientSampleId :

VSTDCCC050EC

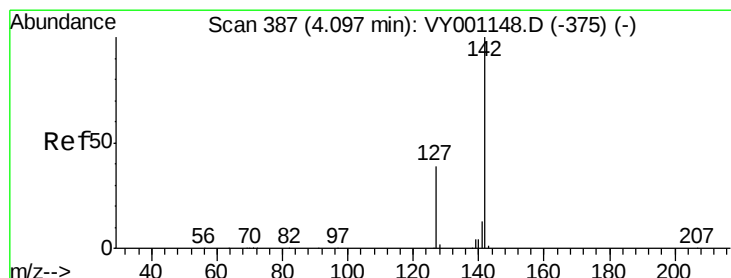
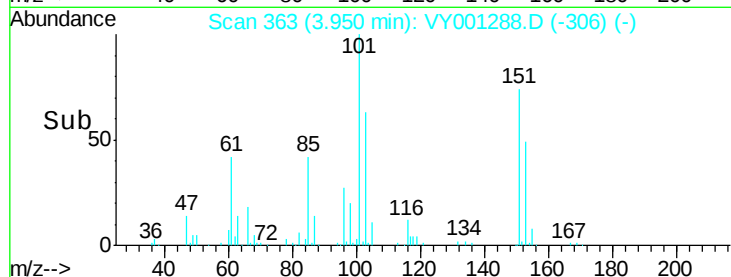
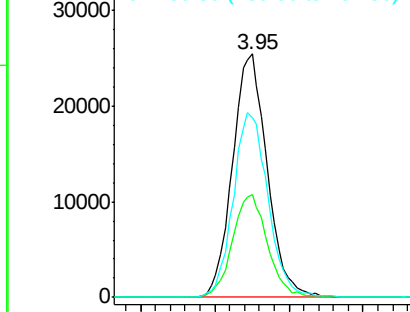
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 83194 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 42.5  | 35.2  | 52.8  |
| 151       | 76.2  | 61.4  | 92.2  |

Manual Integrations  
APPROVED

MMDadoda  
1/20/2020 11:06:34 AM



Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): VY0  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 40.411 ug/l

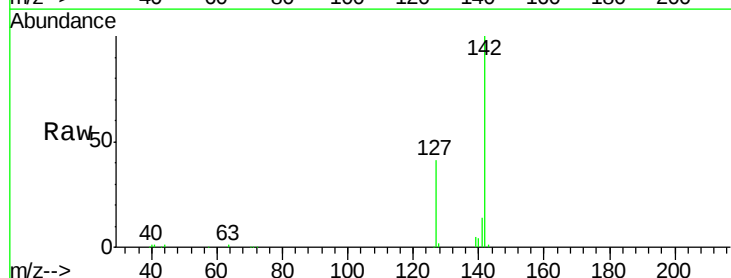
RT: 4.14 min Scan# 394

Delta R.T. 0.04 min

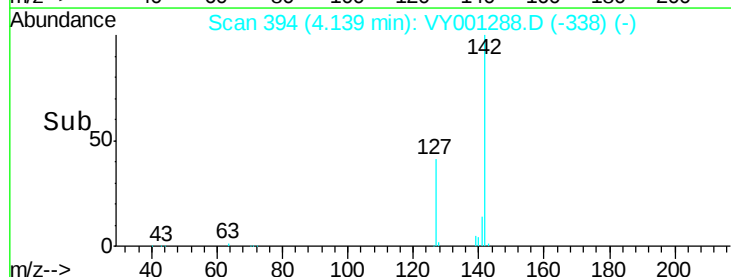
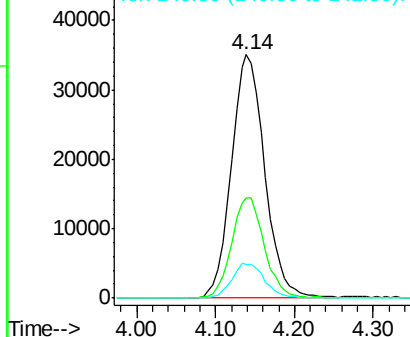
Lab File: VY001288.D

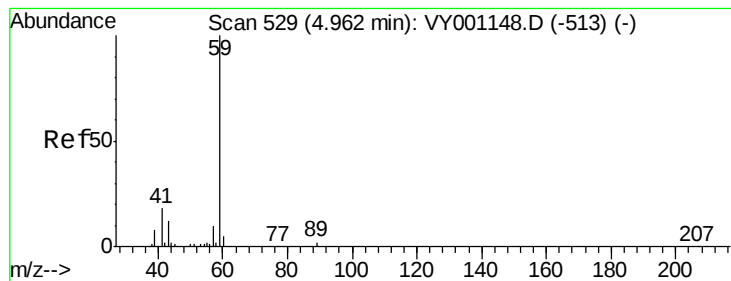
Acq: 17 Jan 2020 23:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 102985 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 40.5  | 30.8  | 46.2   |
| 141       | 14.2  | 11.0  | 16.4   |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





#11

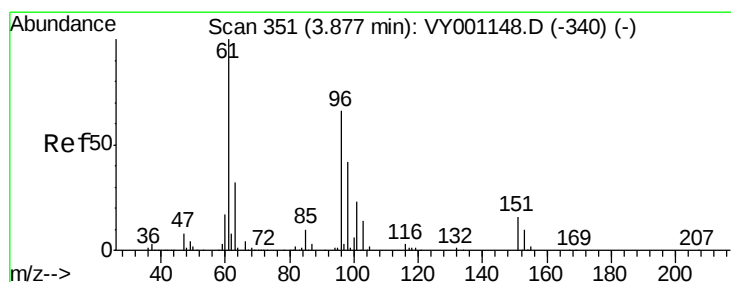
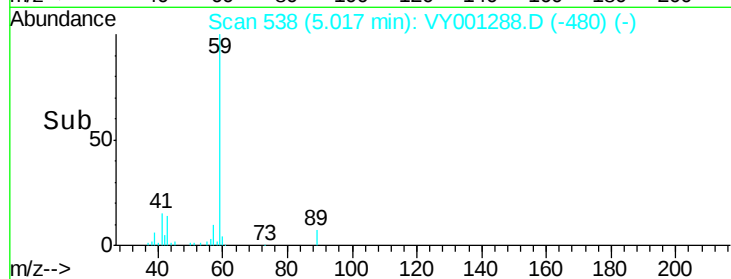
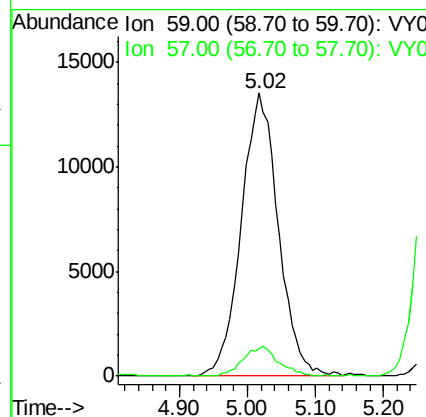
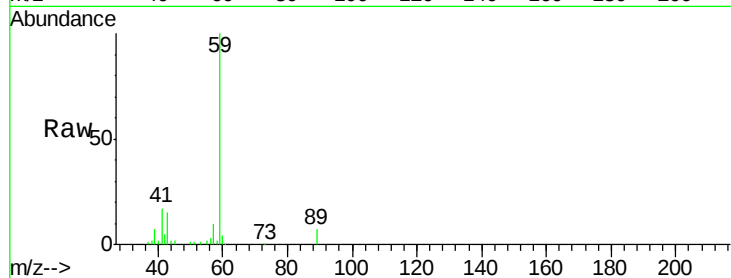
Tert butyl alcohol  
Concen: 259.038 ug/l  
RT: 5.02 min Scan# 538  
Delta R.T. 0.05 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.9   | 7.8   | 11.8  |

Manual Integrations  
APPROVED

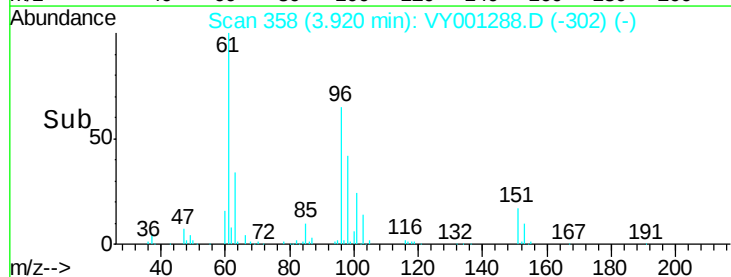
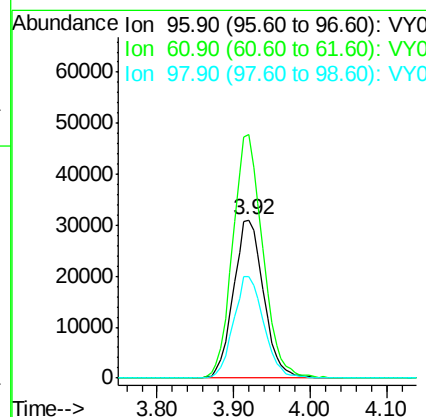
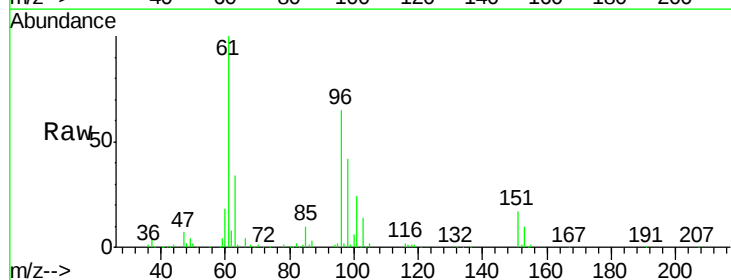
MMDadoda  
1/20/2020 11:06:34 AM

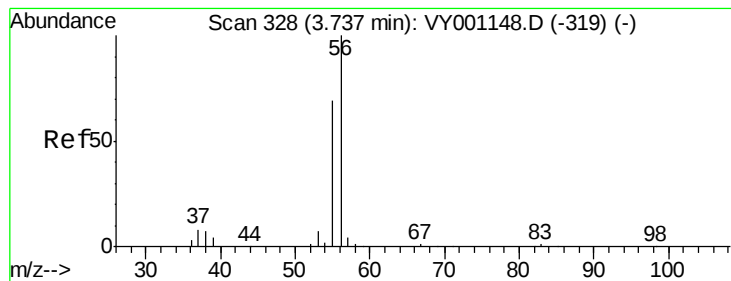


#12

1,1-Dichloroethene  
Concen: 44.508 ug/l  
RT: 3.92 min Scan# 358  
Delta R.T. 0.04 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 154.0 | 122.1 | 183.1 |
| 98      | 64.2  | 51.0  | 76.6  |





#13

Acrolein

Concen: 265.093 ug/l

RT: 3.77 min Scan# 334

Delta R.T. 0.04 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 47254

Ion Ratio Lower Upper

56 100

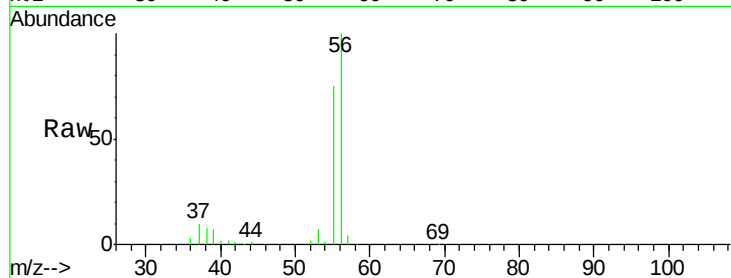
55 72.5 56.7 85.1

Manual Integrations

APPROVED

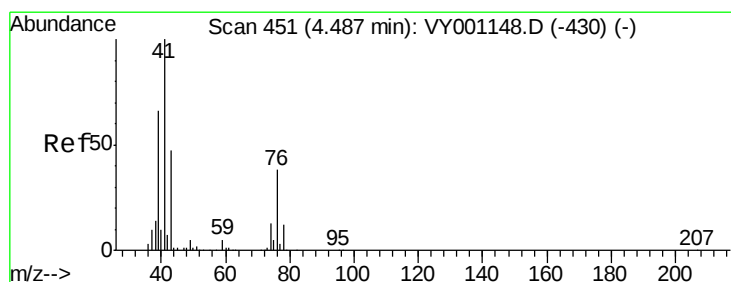
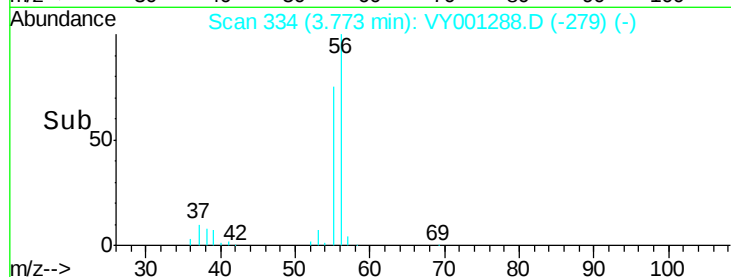
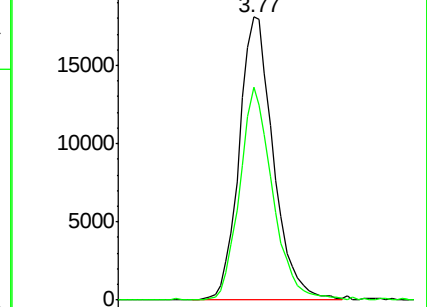
MMDadoda

1/20/2020 11:06:34 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 47.008 ug/l

RT: 4.54 min Scan# 459

Delta R.T. 0.05 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

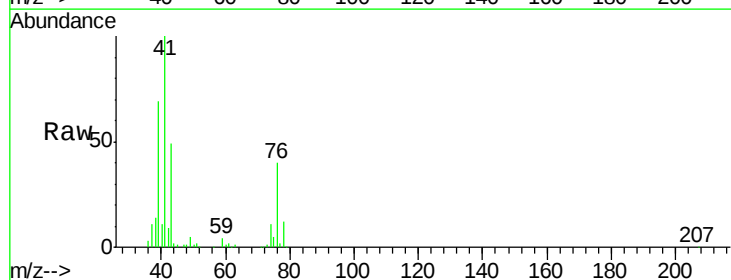
Tgt Ion: 41 Resp: 151127

Ion Ratio Lower Upper

41 100

39 65.9 52.6 78.8

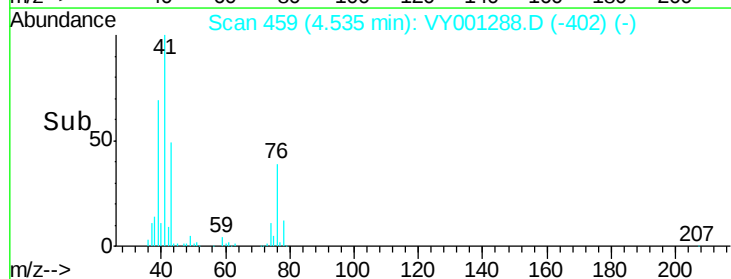
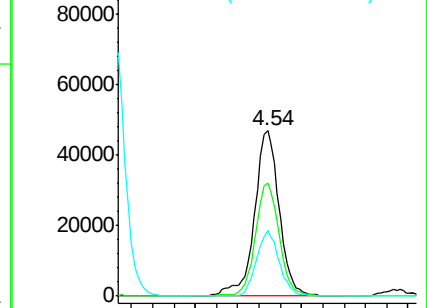
76 36.1 30.2 45.2

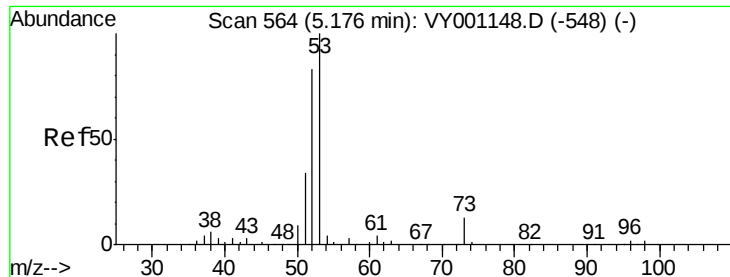


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 256.587 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.05 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

Instrument :

MSVOA\_Y

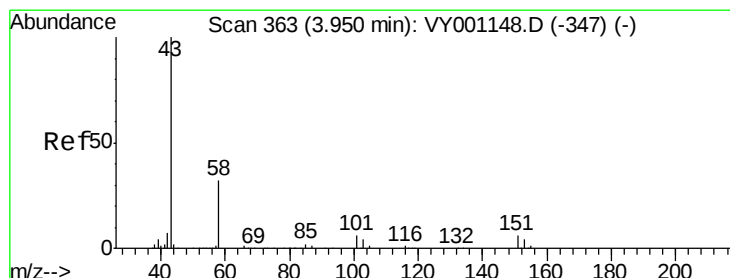
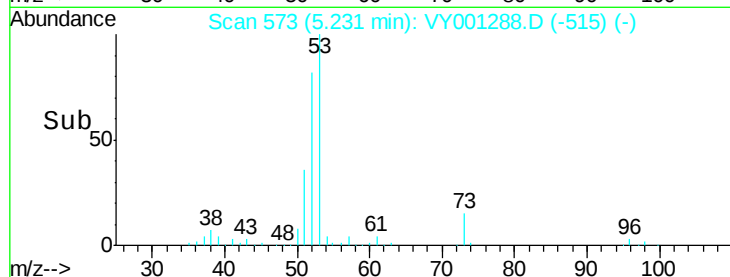
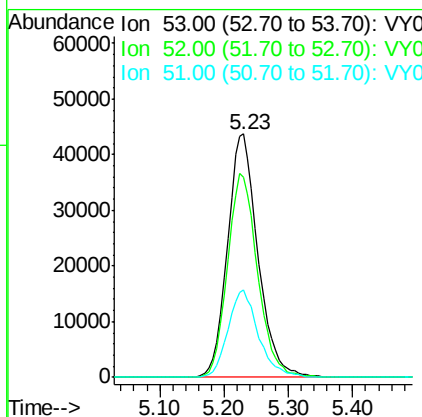
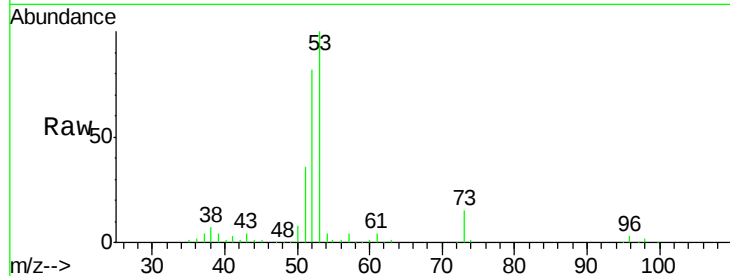
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 144230 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.9  | 65.7  | 98.5   |
| 51       | 36.3  | 28.7  | 43.1   |

Manual Integrations  
APPROVED

MMDadoda  
1/20/2020 11:06:34 AM



#16

Acetone

Concen: 250.132 ug/l

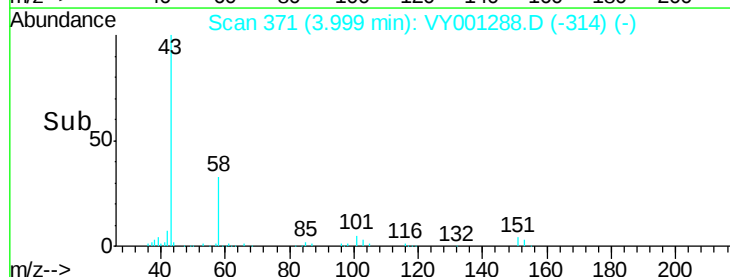
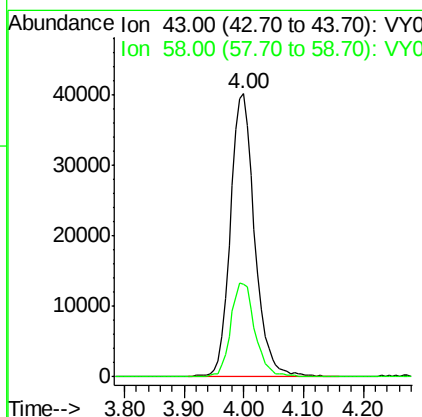
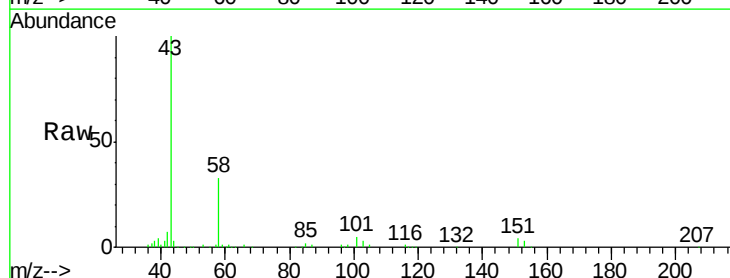
RT: 4.00 min Scan# 371

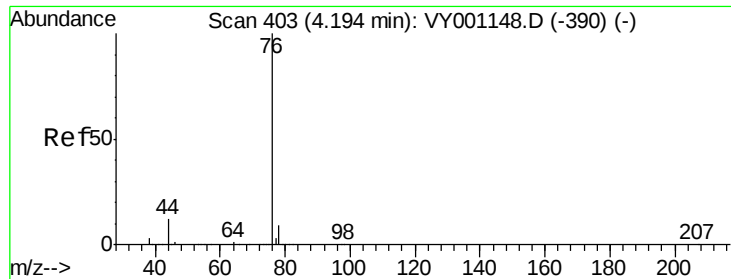
Delta R.T. 0.05 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 114322 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 32.5  | 25.8  | 38.6   |





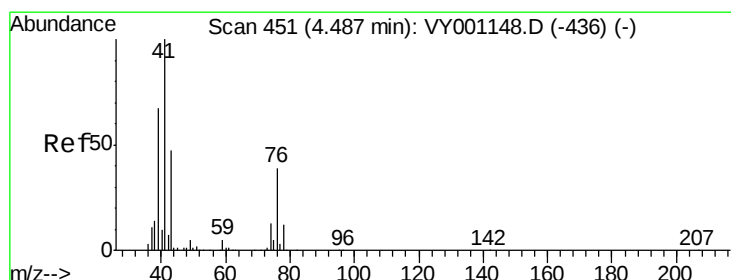
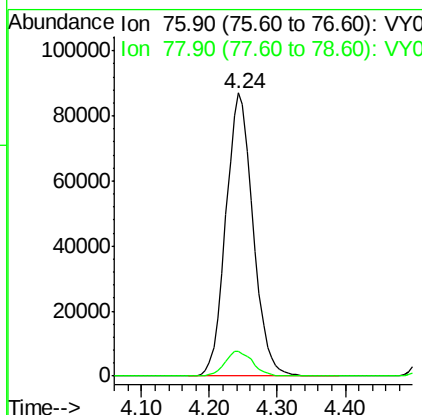
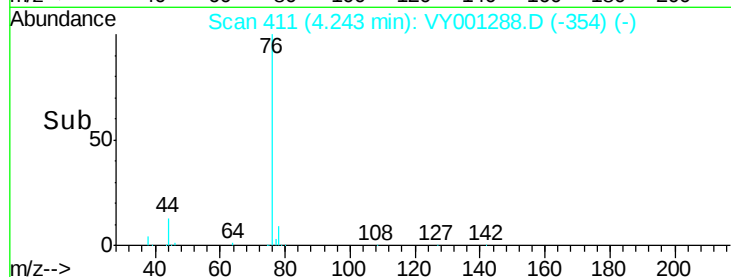
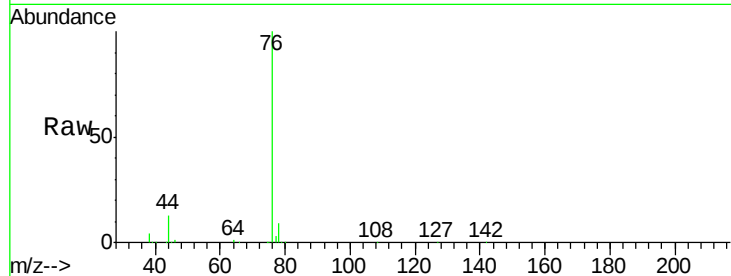
#17  
Carbon Disulfide  
Concen: 39.072 ug/l  
RT: 4.24 min Scan# 411  
Delta R.T. 0.05 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.9   | 7.2   | 10.8  |

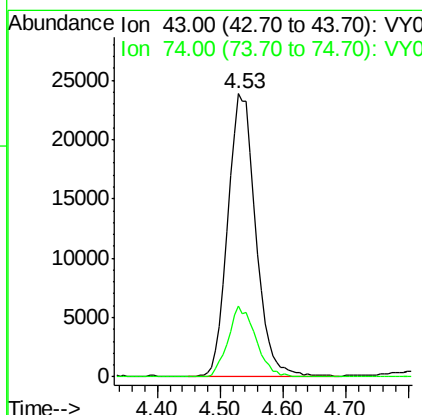
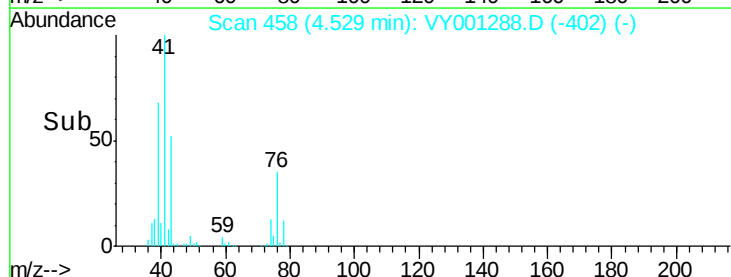
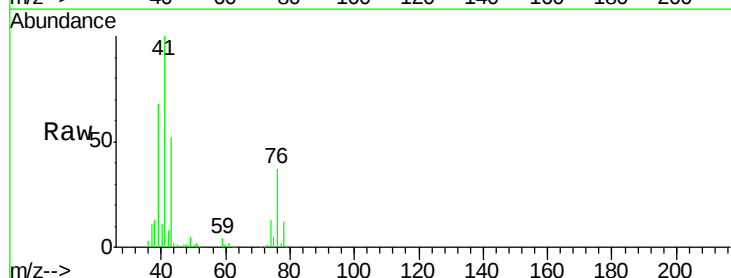
Manual Integrations  
APPROVED

MMDadoda  
1/20/2020 11:06:34 AM



#18  
Methyl Acetate  
Concen: 48.885 ug/l  
RT: 4.53 min Scan# 458  
Delta R.T. 0.04 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.5  | 20.2  | 30.2  |





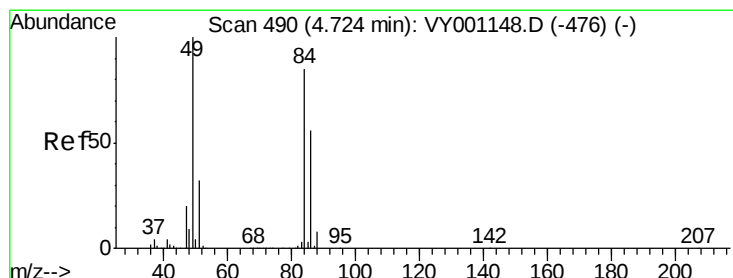
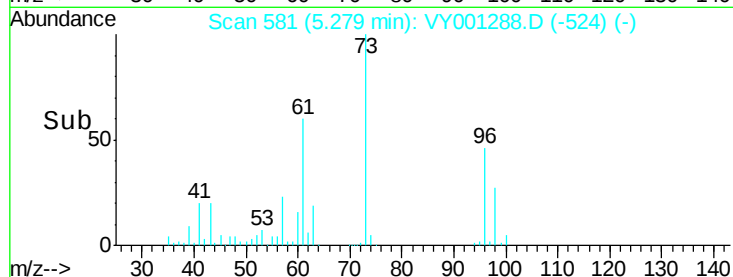
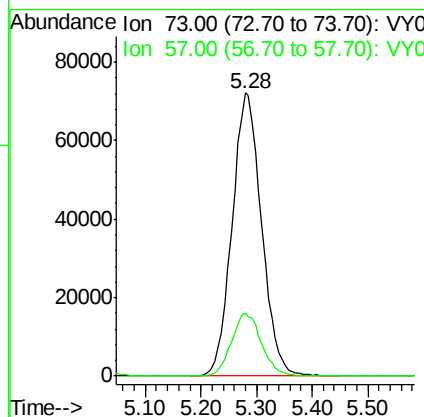
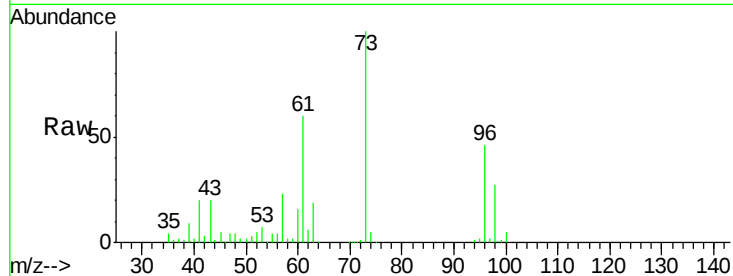
#19  
Methvl tert-butvl Ether  
Concen: 50.166 ug/l  
RT: 5.28 min Scan# 581  
Delta R.T. 0.05 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 264325  
Ion Ratio Lower Upper  
73 100  
57 22.5 17.8 26.6

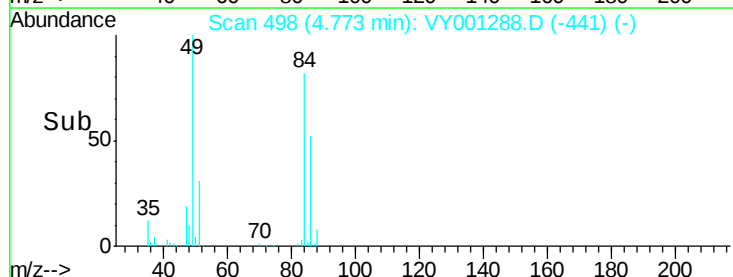
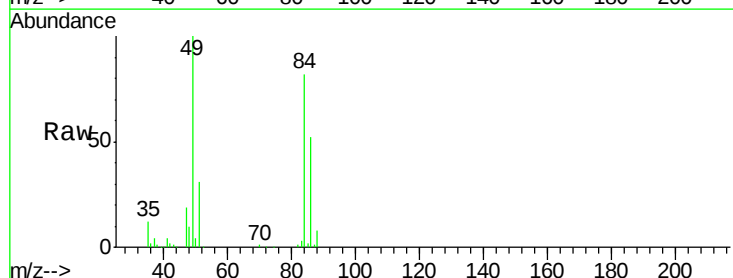
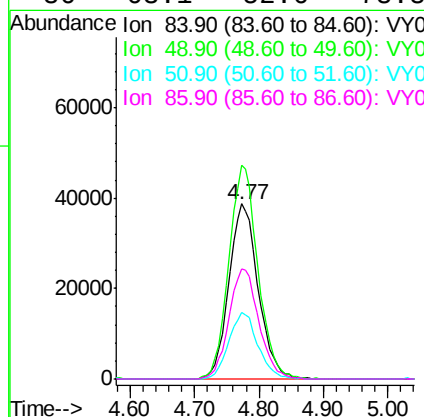
Manual Integrations  
APPROVED

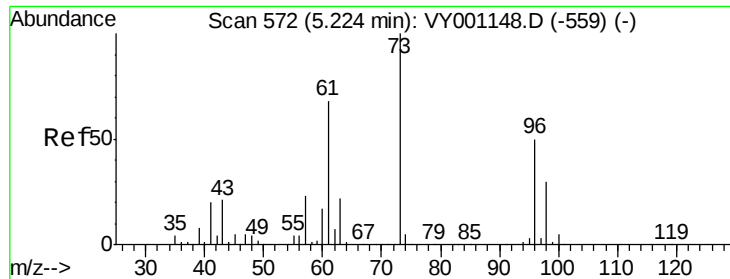
MMDadoda  
1/20/2020 11:06:34 AM



#20  
Methylene Chloride  
Concen: 58.903 ug/l  
RT: 4.77 min Scan# 498  
Delta R.T. 0.05 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Tgt Ion: 84 Resp: 123364  
Ion Ratio Lower Upper  
84 100  
49 122.2 93.8 140.6  
51 38.1 29.9 44.9  
86 63.1 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 46.654 ug/l

RT: 5.28 min Scan# 581

Delta R.T. 0.05 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

Instrument :

MSVOA\_Y

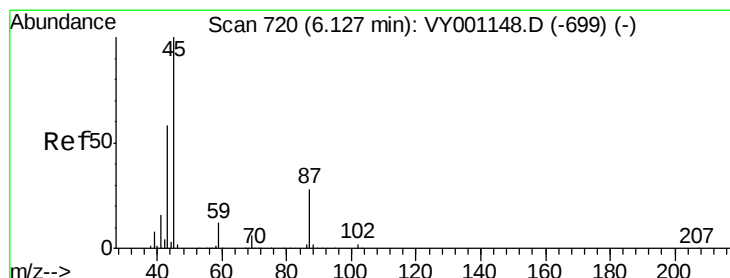
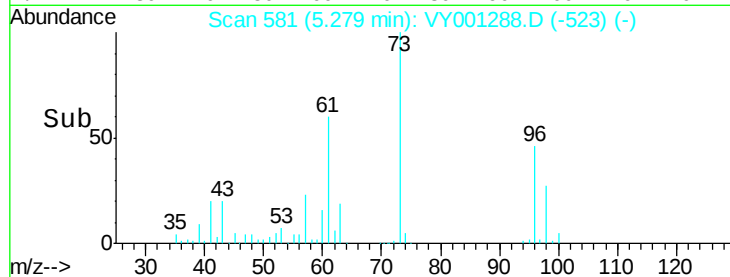
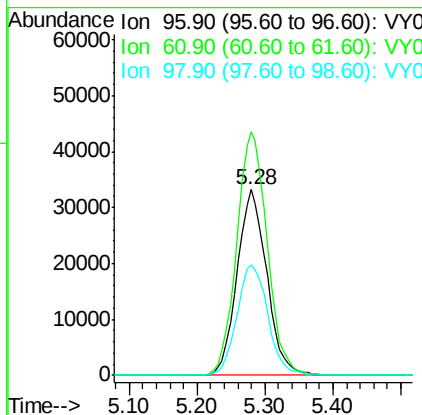
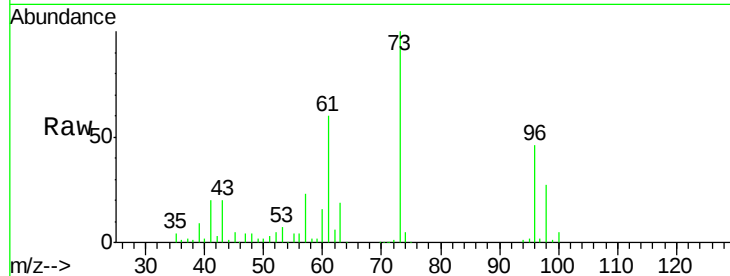
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 100767 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 131.0 | 107.6 | 161.4  |
| 98       | 59.5  | 47.6  | 71.4   |

Manual Integrations  
APPROVED

MMDadoda  
1/20/2020 11:06:34 AM



#22

Diisopropyl ether

Concen: 51.489 ug/l

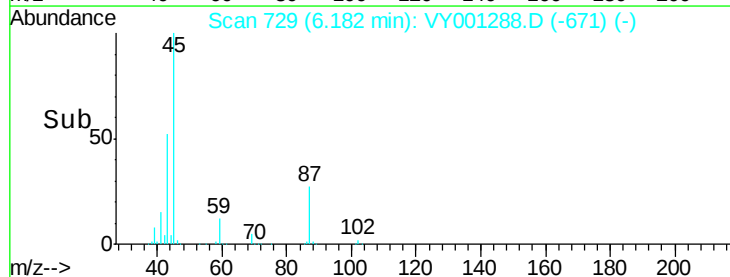
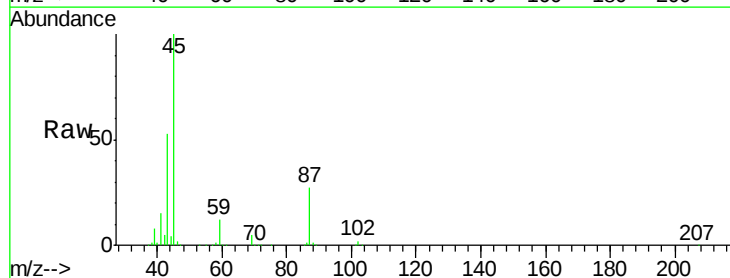
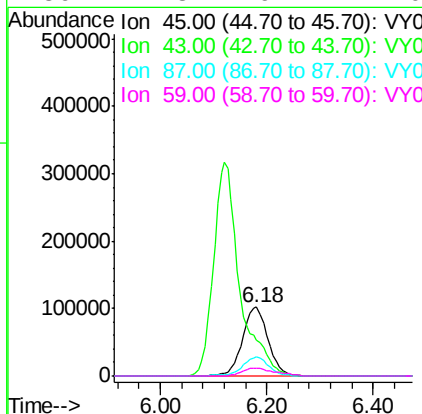
RT: 6.18 min Scan# 729

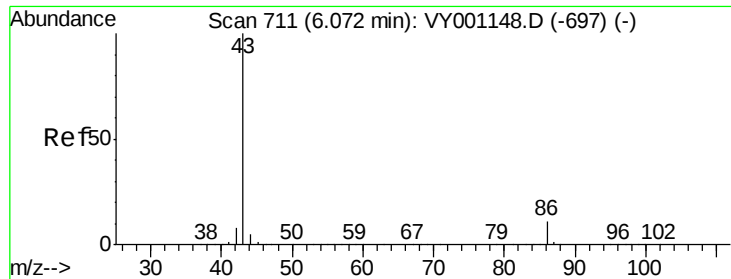
Delta R.T. 0.05 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 338097 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 52.6  | 46.5  | 69.7   |
| 87       | 27.3  | 22.5  | 33.7   |
| 59       | 11.8  | 9.4   | 14.0   |





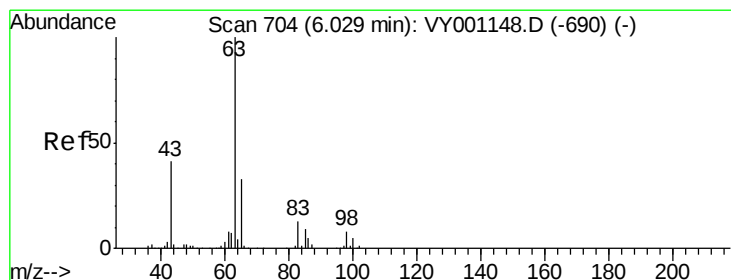
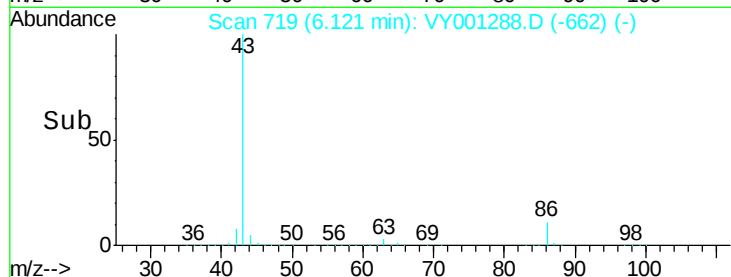
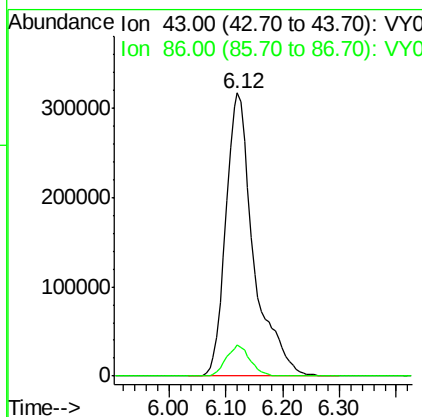
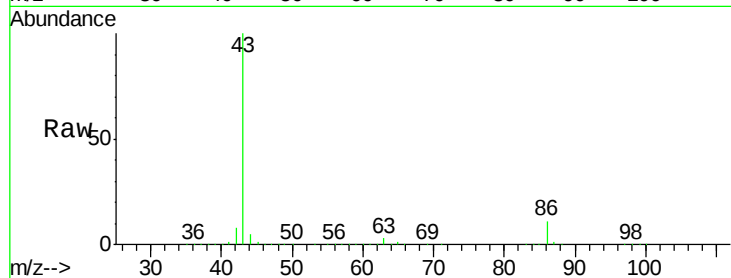
#23  
 Vinyl Acetate  
 Concen: 257.150 ug/l  
 RT: 6.12 min Scan# 719  
 Delta R.T. 0.05 min  
 Lab File: VY001288.D  
 Acq: 17 Jan 2020 23:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 43 Resp: 1079898  
 Ion Ratio Lower Upper  
 43 100  
 86 11.0 9.0 13.4

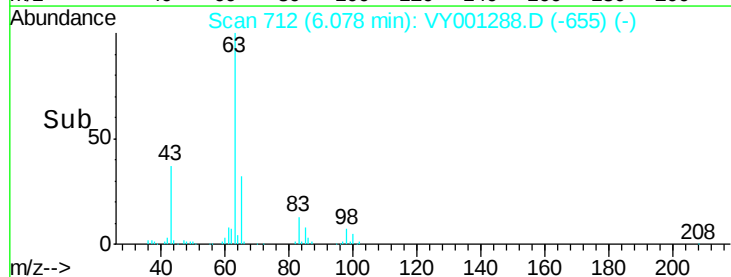
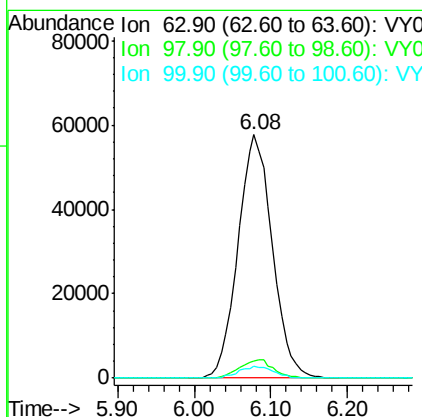
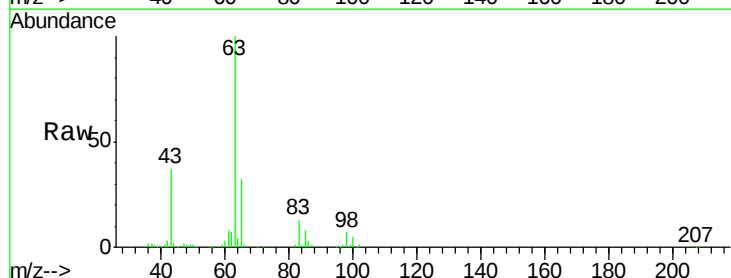
Manual Integrations  
 APPROVED

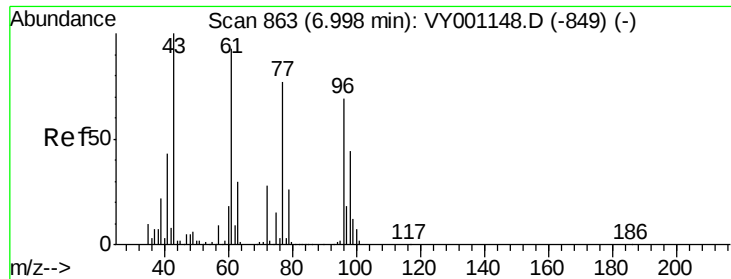
MMDadoda  
 1/20/2020 11:06:34 AM



#24  
 1,1-Dichloroethane  
 Concen: 49.981 ug/l  
 RT: 6.08 min Scan# 712  
 Delta R.T. 0.05 min  
 Lab File: VY001288.D  
 Acq: 17 Jan 2020 23:50

Tgt Ion: 63 Resp: 179672  
 Ion Ratio Lower Upper  
 63 100  
 98 6.9 3.9 11.7  
 100 5.1 2.4 7.2





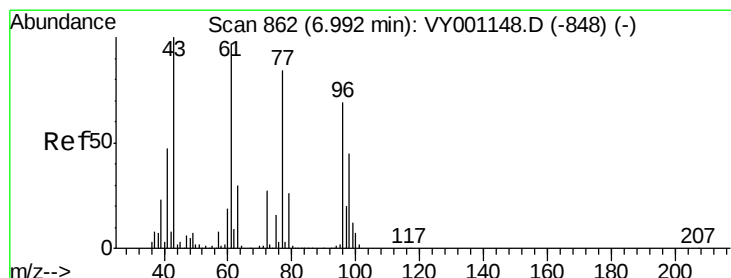
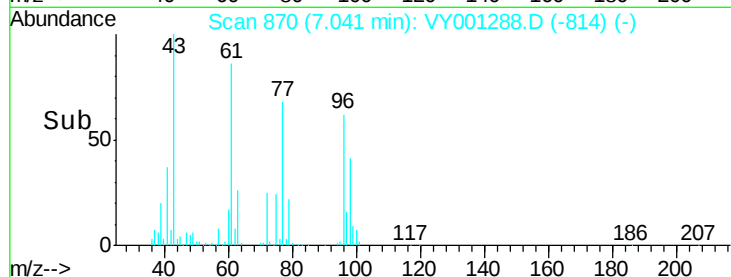
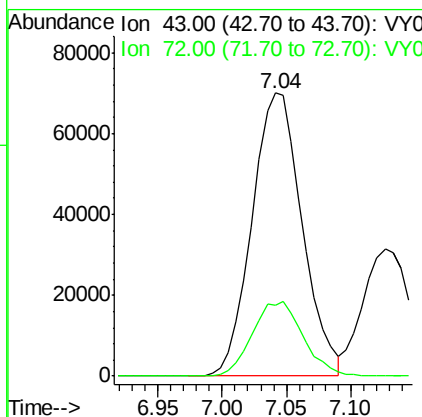
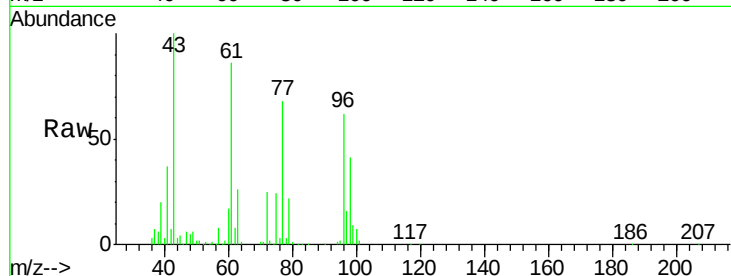
#25  
2-Butanone  
Concen: 266.569 ug/l  
RT: 7.04 min Scan# 870  
Delta R.T. 0.04 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 189618  
Ion Ratio Lower Upper  
43 100  
72 25.2 22.2 33.2

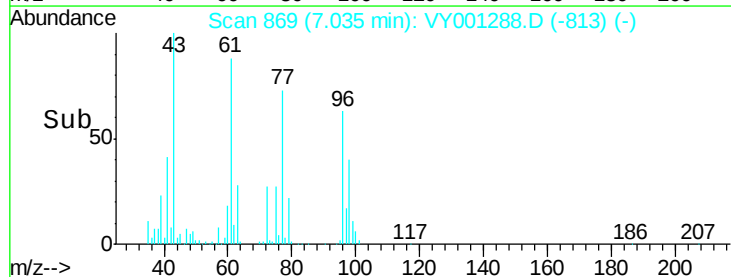
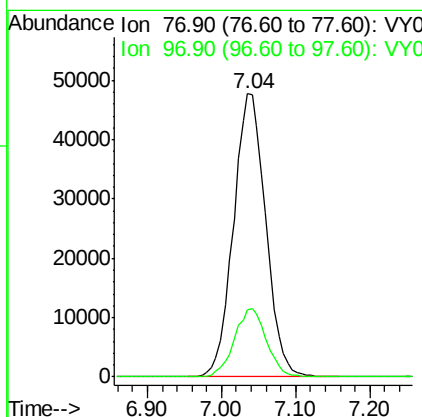
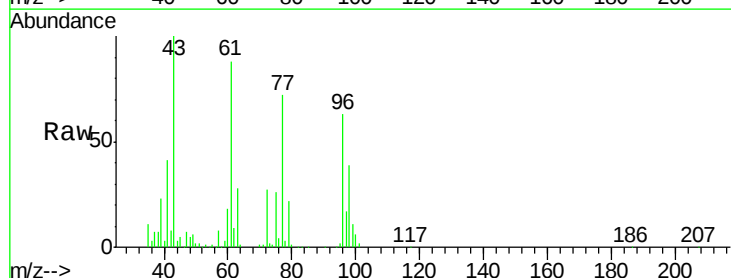
Manual Integrations  
APPROVED

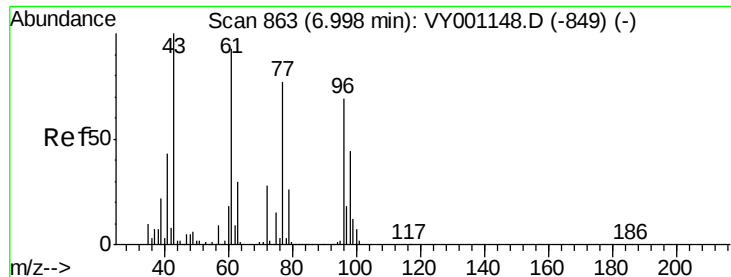
MMDadoda  
1/20/2020 11:06:34 AM



#26  
2,2-Dichloropropane  
Concen: 43.805 ug/l  
RT: 7.04 min Scan# 869  
Delta R.T. 0.04 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Tgt Ion: 77 Resp: 144806  
Ion Ratio Lower Upper  
77 100  
97 24.0 11.9 35.7





#27

cis-1,2-Dichloroethene

Concen: 50.028 ug/l

RT: 7.04 min Scan# 870

Delta R.T. 0.04 min

Lab File: VY001288.D

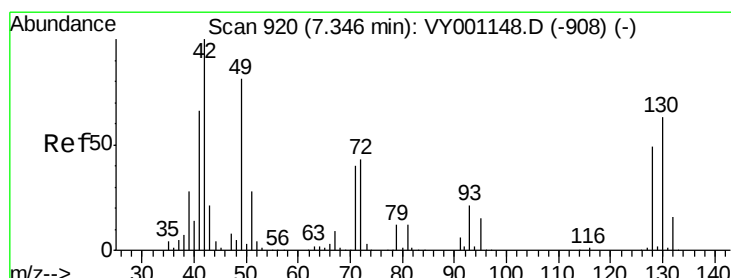
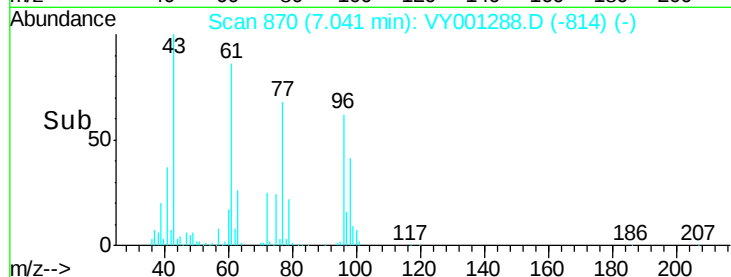
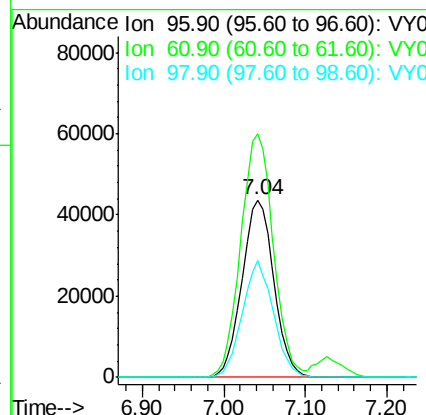
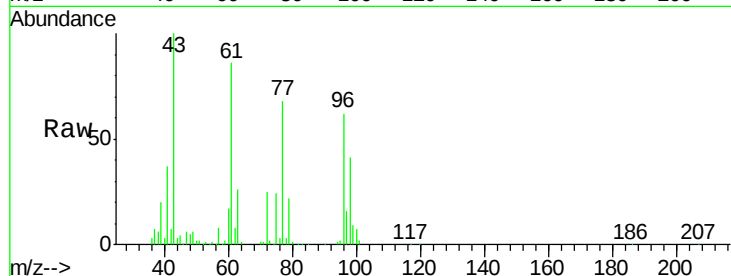
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 118401 |       |       |
| 61      | 140.1 | 0.0    | 284.0 |       |
| 98      | 64.1  | 0.0    | 130.2 |       |

Manual Integrations  
APPROVED

MMDadoda  
1/20/2020 11:06:34 AM



#28

Bromochloromethane

Concen: 59.772 ug/l

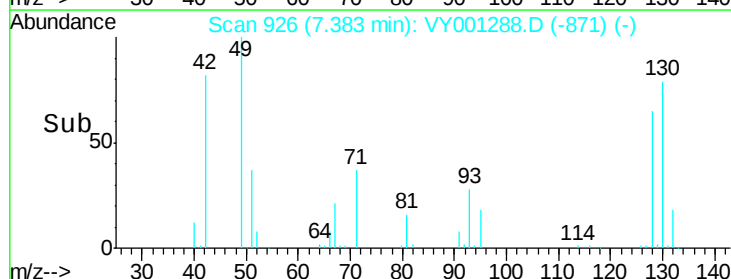
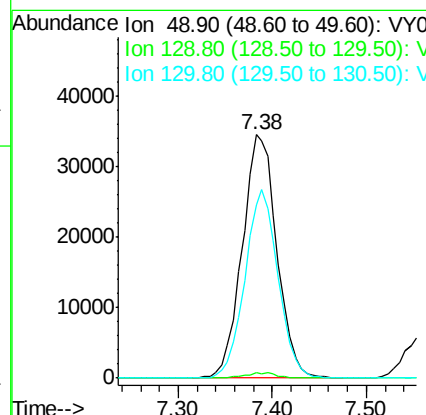
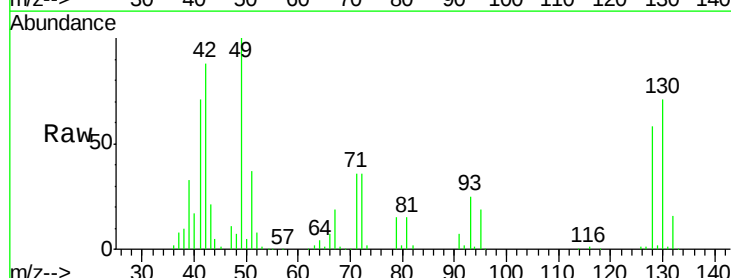
RT: 7.38 min Scan# 926

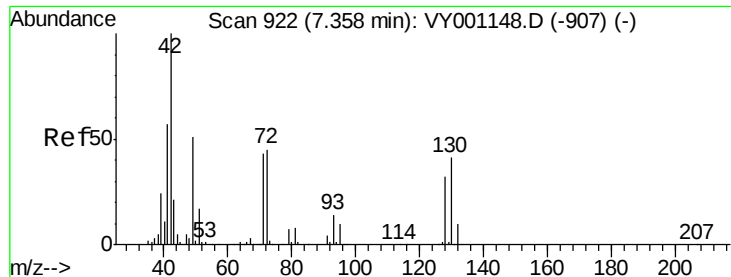
Delta R.T. 0.04 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 88234 |       |       |
| 129     | 2.0   | 0.0   | 4.4   |       |
| 130     | 74.4  | 61.2  | 91.8  |       |





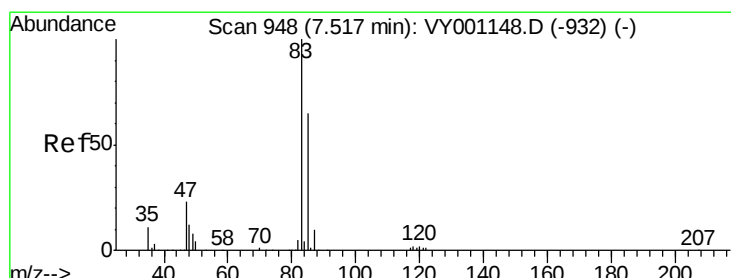
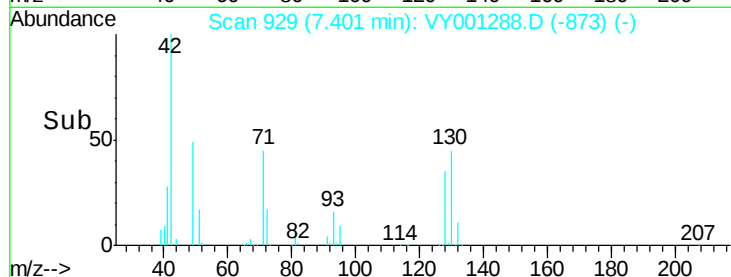
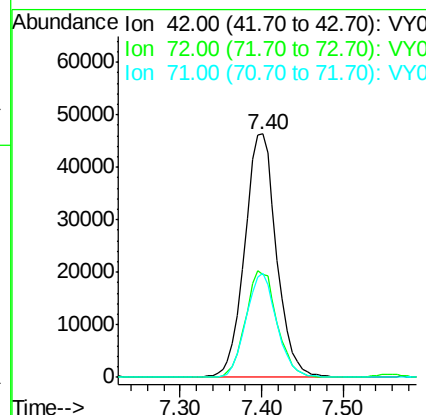
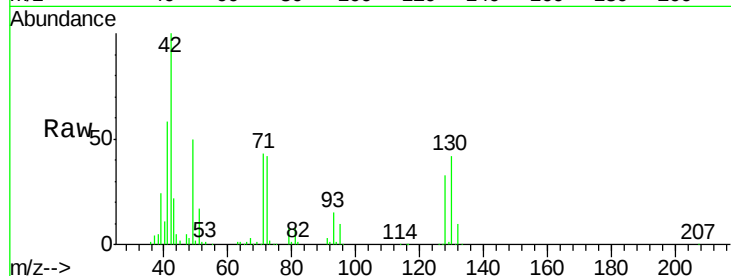
#29  
Tetrahydrofuran  
Concen: 257.524 ug/l  
RT: 7.40 min Scan# 929  
Delta R.T. 0.04 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.3  | 36.9  | 55.3  |
| 71      | 41.2  | 34.0  | 51.0  |

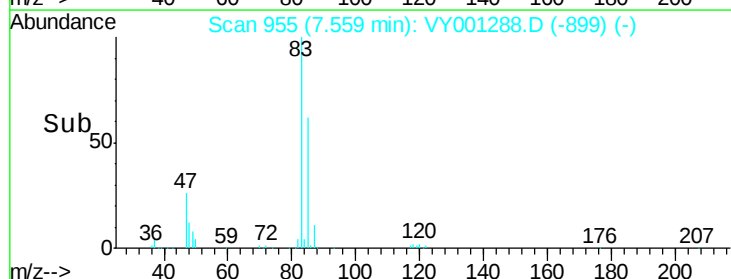
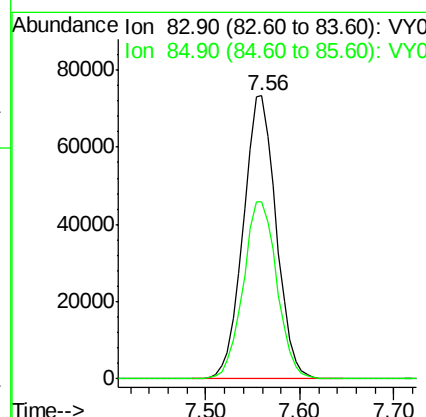
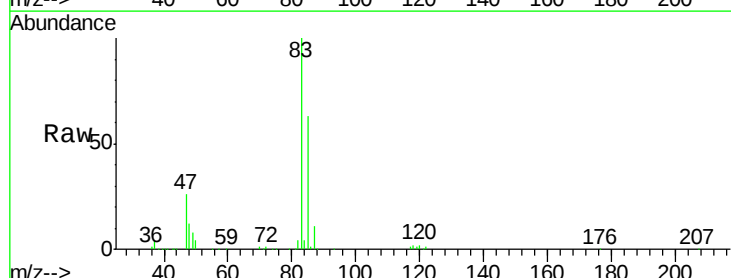
Manual Integrations  
APPROVED

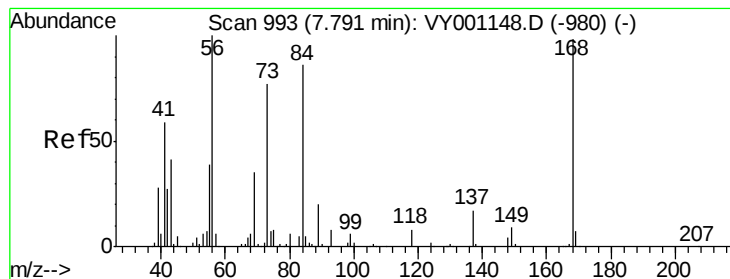
MMDadoda  
1/20/2020 11:06:34 AM



#30  
Chloroform  
Concen: 50.837 ug/l  
RT: 7.56 min Scan# 955  
Delta R.T. 0.04 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 62.7  | 51.9  | 77.9  |





#31

Cyclohexane

Concen: 41.174 ug/l

RT: 7.83 min Scan# 1000

Delta R.T. 0.04 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 156716

Ion Ratio Lower Upper

56 100

69 34.5 27.8 41.8

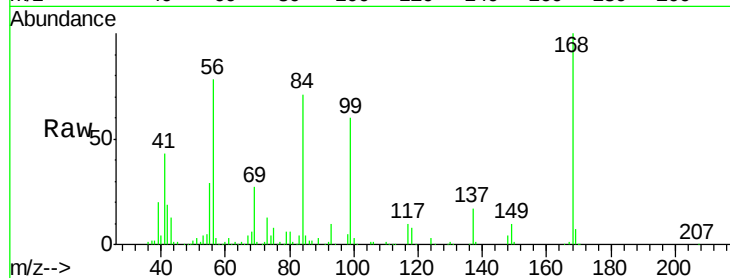
84 89.1 68.9 103.3

Manual Integrations

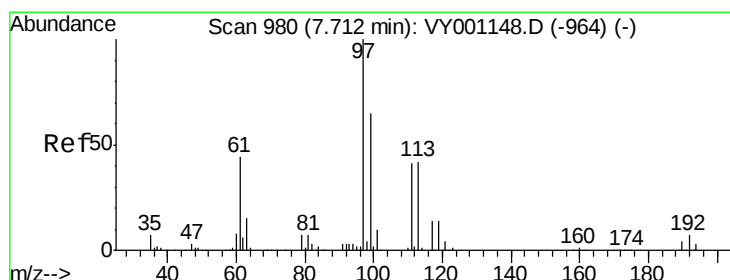
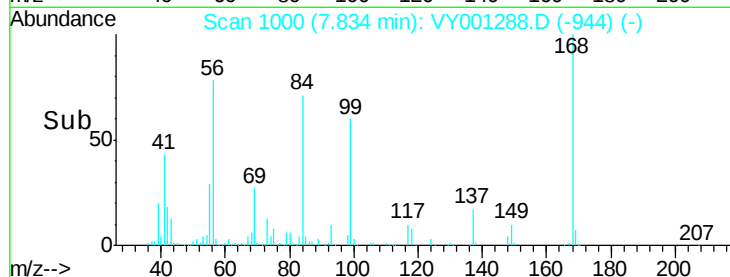
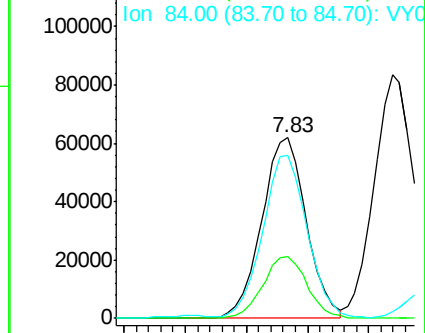
APPROVED

MMDadoda

1/20/2020 11:06:34 AM



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



#32

1,1,1-Trichloroethane

Concen: 47.726 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.04 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

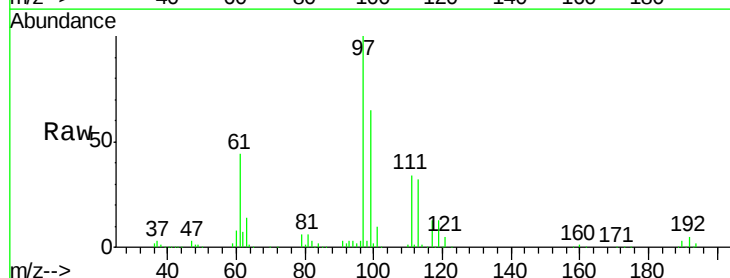
Tgt Ion: 97 Resp: 149158

Ion Ratio Lower Upper

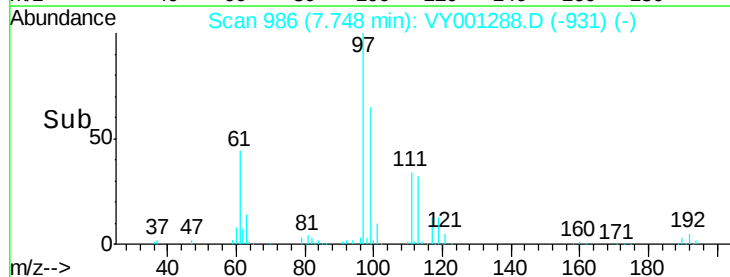
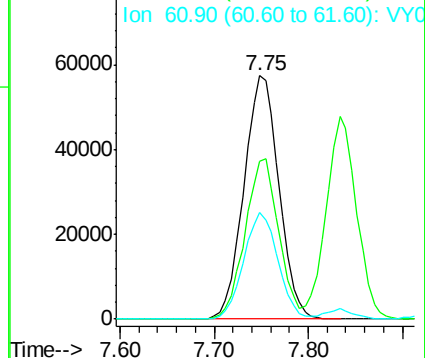
97 100

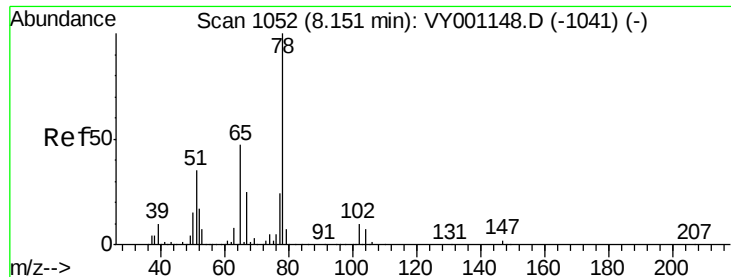
99 63.2 51.3 76.9

61 42.8 34.6 52.0



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





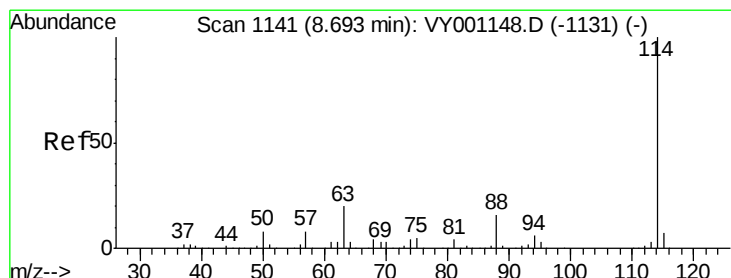
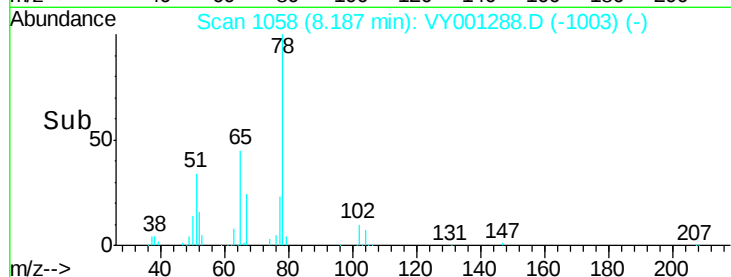
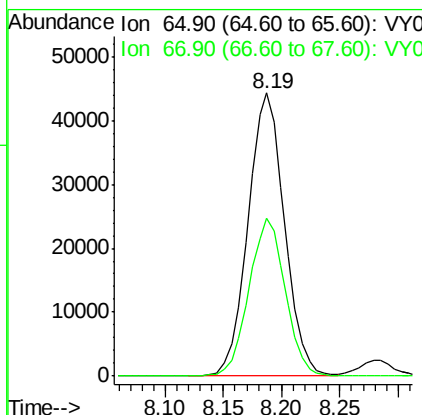
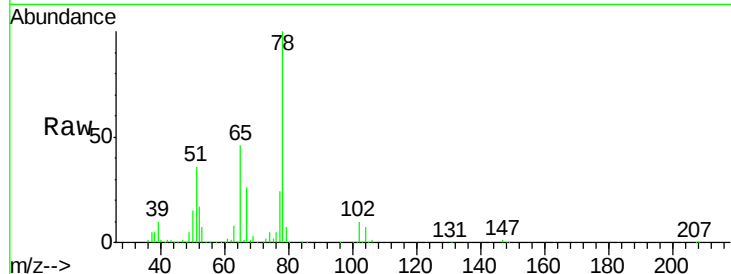
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.086 ug/l  
 RT: 8.19 min Scan# 1058  
 Delta R.T. 0.04 min  
 Lab File: VY001288.D  
 Acq: 17 Jan 2020 23:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 65 Resp: 96600  
 Ion Ratio Lower Upper  
 65 100  
 67 55.3 0.0 105.2

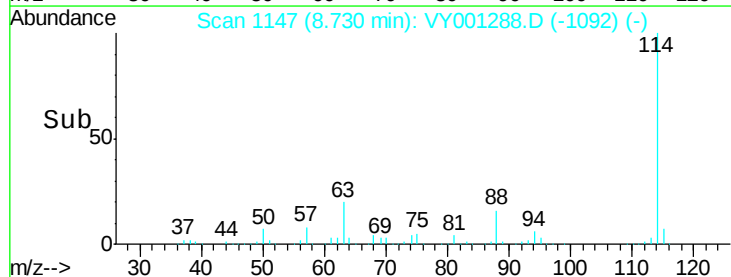
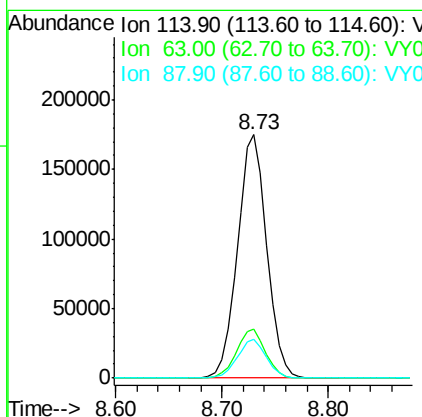
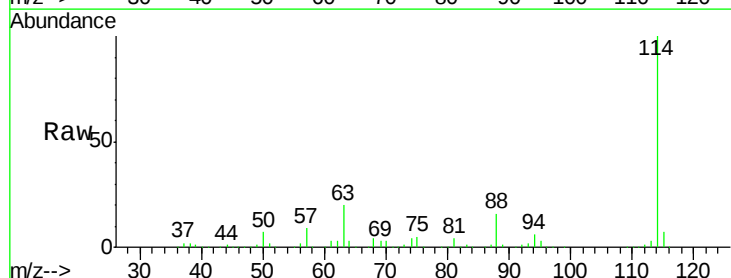
Manual Integrations  
 APPROVED

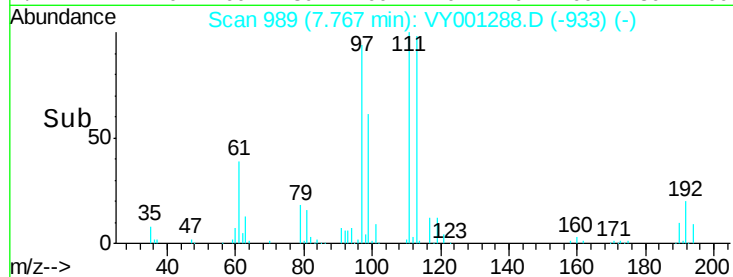
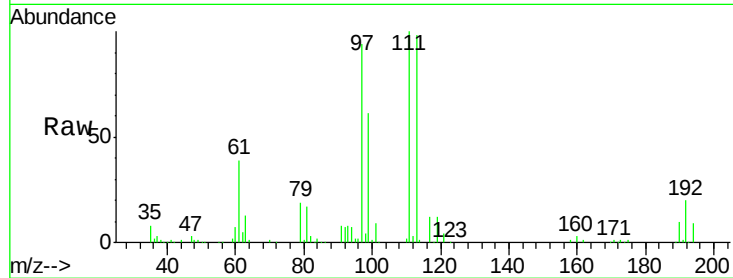
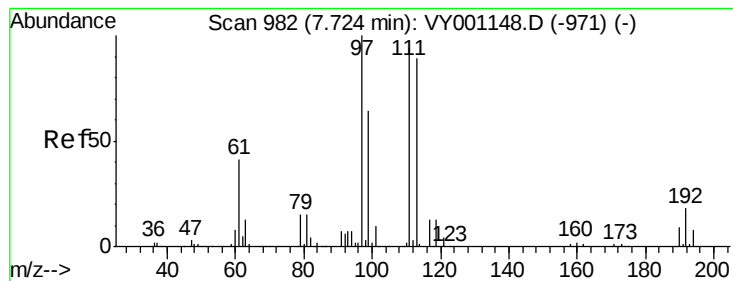
MMDadoda  
 1/20/2020 11:06:34 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.73 min Scan# 1147  
 Delta R.T. 0.04 min  
 Lab File: VY001288.D  
 Acq: 17 Jan 2020 23:50

Tgt Ion: 114 Resp: 336606  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 40.8  
 88 15.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 44.948 ug/l

RT: 7.77 min Scan# 989

Delta R.T. 0.04 min

Lab File: VY001288.D

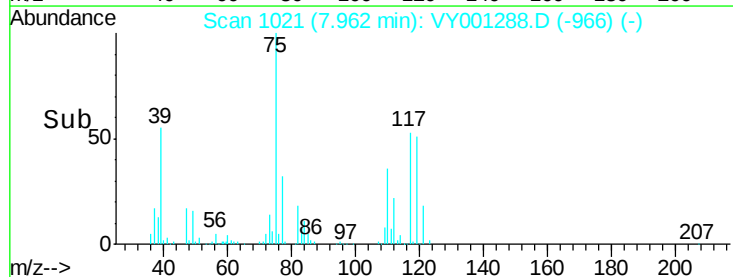
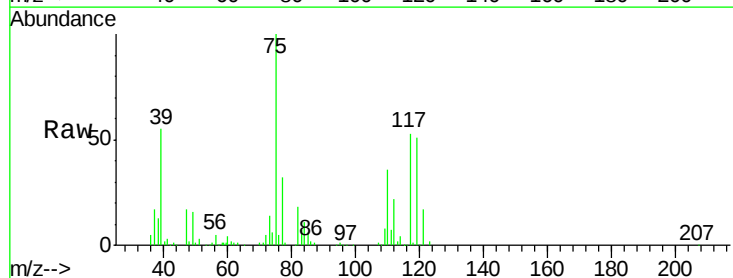
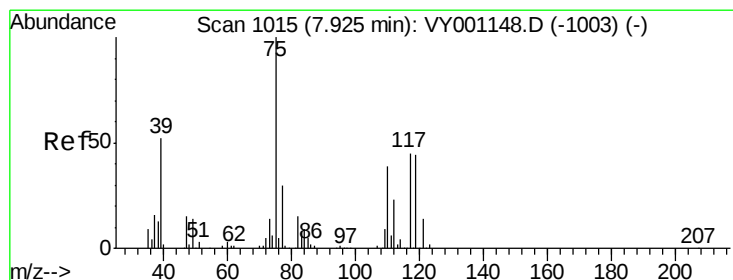
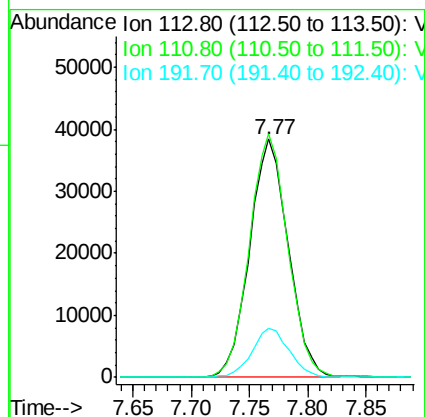
Acq: 17 Jan 2020 23:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 88584 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.3 | 82.9  | 124.3 |
| 192      | 20.0  | 15.4  | 23.2  |

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

MMDadoda  
1/20/2020 11:06:34 AM



#36

1,1-Dichloropropene

Concen: 43.976 ug/l

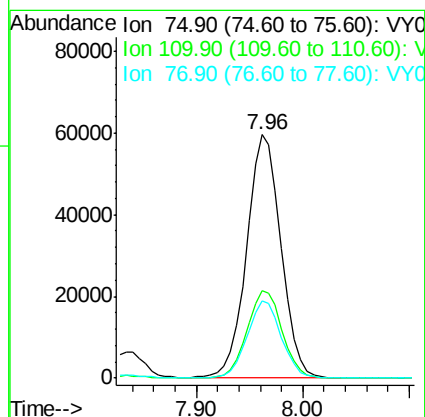
RT: 7.96 min Scan# 1021

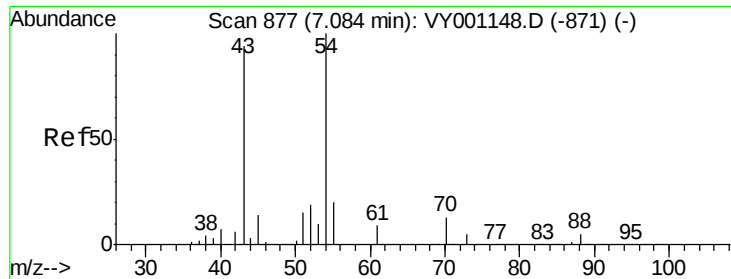
Delta R.T. 0.04 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 134916 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 36.6  | 18.3  | 54.8   |
| 77       | 31.9  | 25.1  | 37.7   |





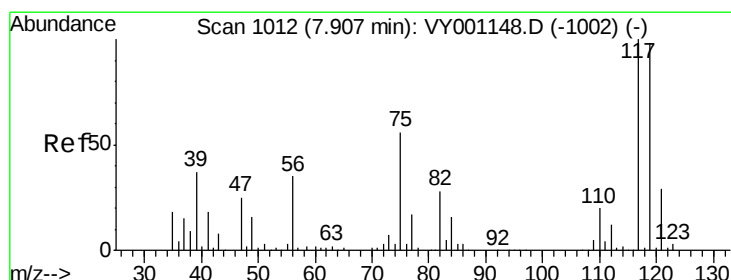
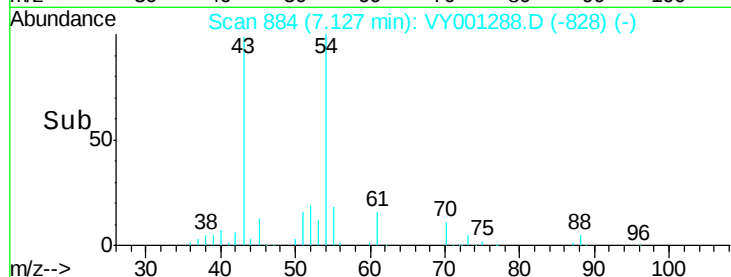
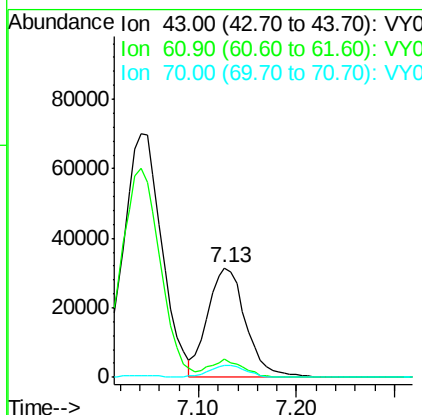
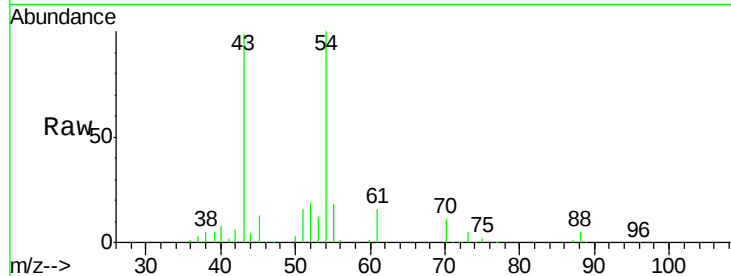
#37  
Ethyl Acetate  
Concen: 46.943 ug/l  
RT: 7.13 min Scan# 884  
Delta R.T. 0.04 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.5  | 11.1  | 16.7  |
| 70      | 10.9  | 9.7   | 14.5  |

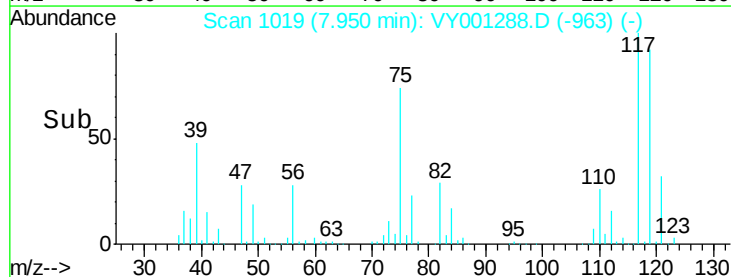
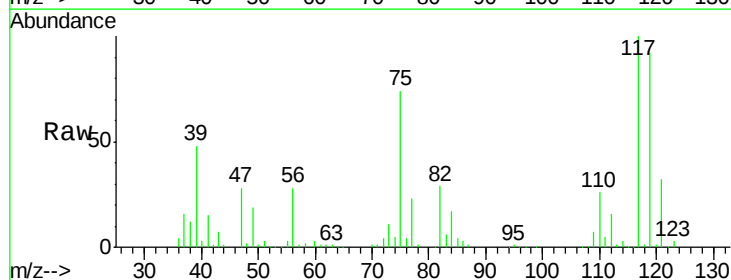
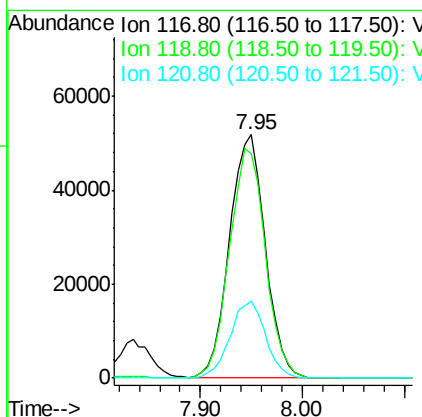
Manual Integrations  
APPROVED

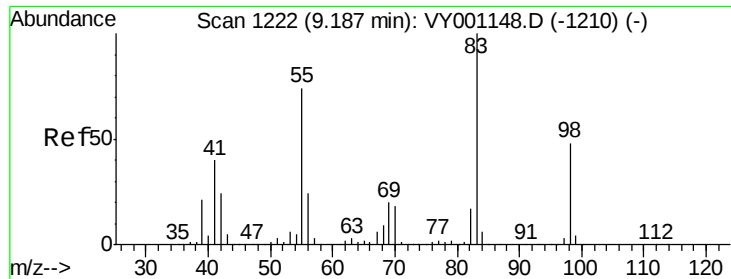
MMDadoda  
1/20/2020 11:06:34 AM



#38  
Carbon Tetrachloride  
Concen: 44.807 ug/l  
RT: 7.95 min Scan# 1019  
Delta R.T. 0.04 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 92.1  | 78.3  | 117.5 |
| 121     | 31.8  | 23.5  | 35.3  |





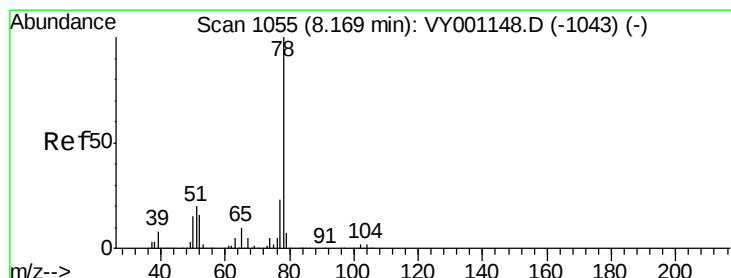
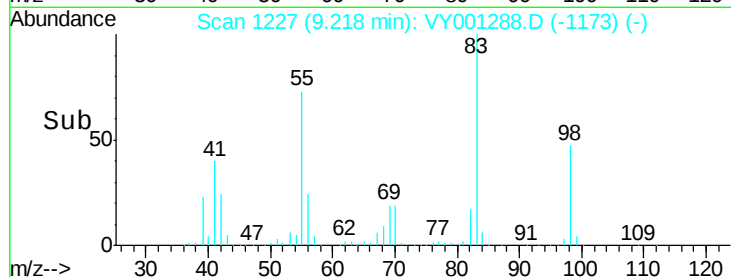
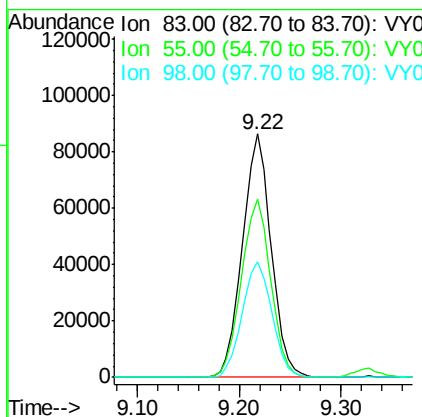
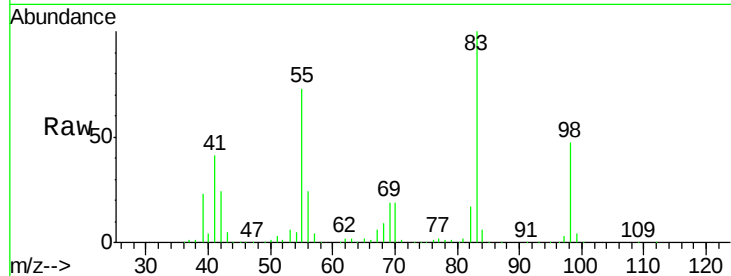
#39  
Methylvlcyclohexane  
Concen: 40.686 ug/l  
RT: 9.22 min Scan# 1227  
Delta R.T. 0.03 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 73.1  | 58.9  | 88.3  |
| 98      | 47.4  | 38.4  | 57.6  |

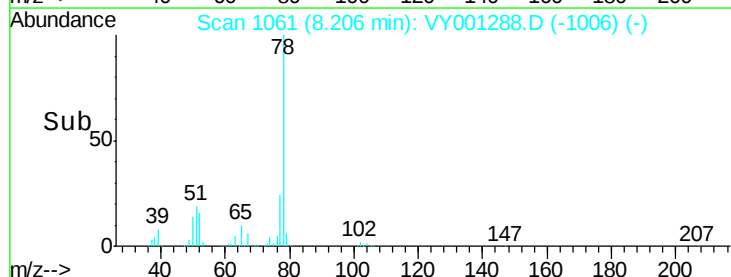
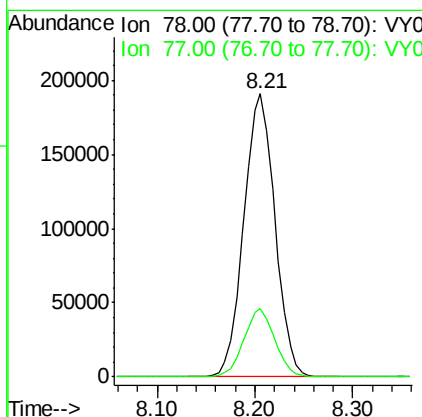
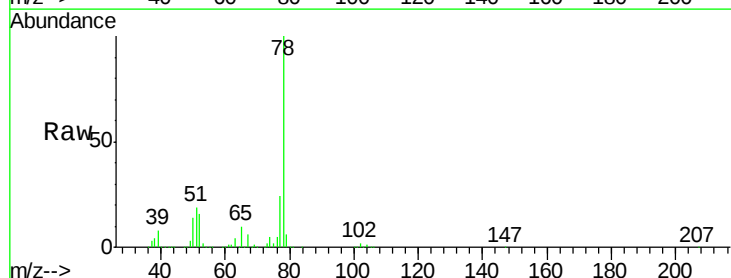
Manual Integrations  
APPROVED

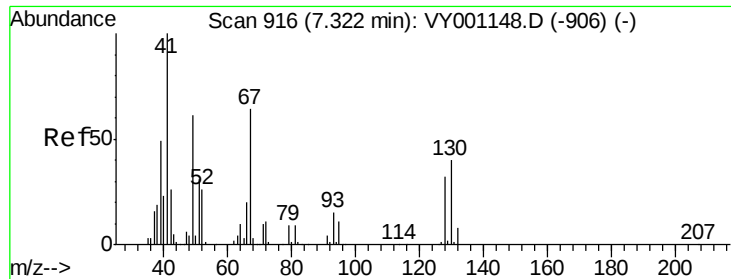
MMDadoda  
1/20/2020 11:06:34 AM



#40  
Benzene  
Concen: 46.894 ug/l  
RT: 8.21 min Scan# 1061  
Delta R.T. 0.04 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.2  | 18.8  | 28.2  |





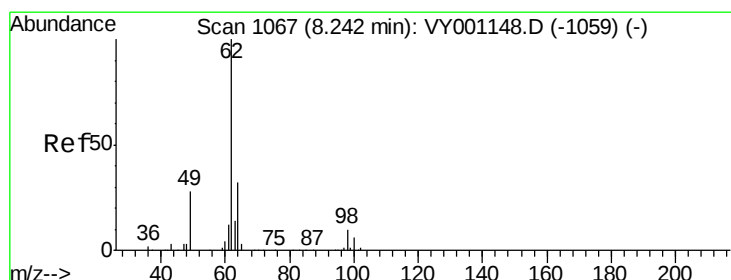
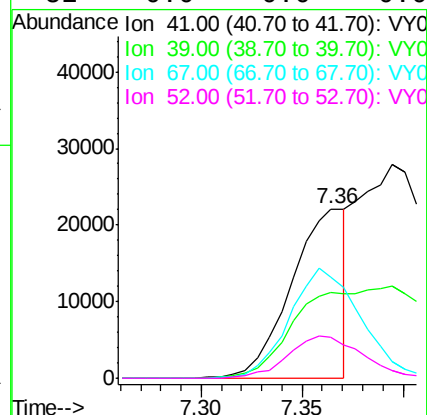
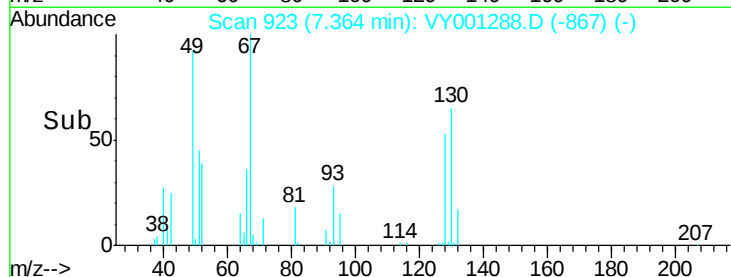
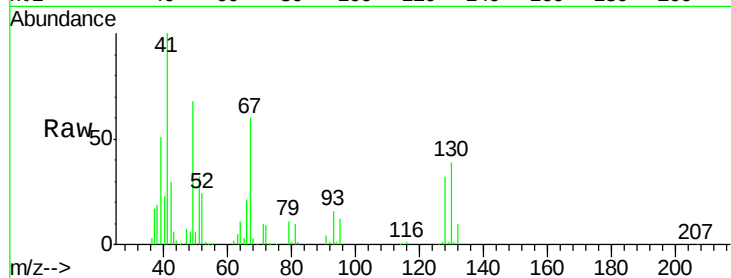
#41  
Methacrylonitrile  
Concen: 49.410 ug/l m  
RT: 7.36 min Scan# 923  
Delta R.T. 0.04 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 41    | Resp  | 41789 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 129.9 | 103.5 | 155.3 |
| 67      | 0.0   | 0.0   | 0.0   |
| 52      | 0.0   | 0.0   | 0.0   |

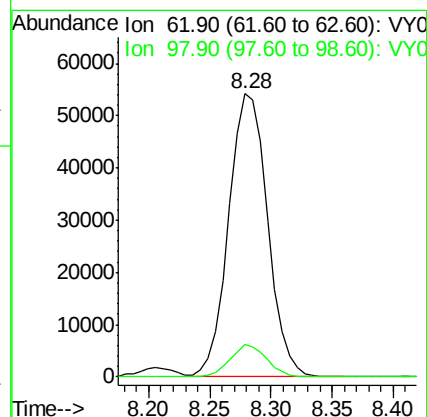
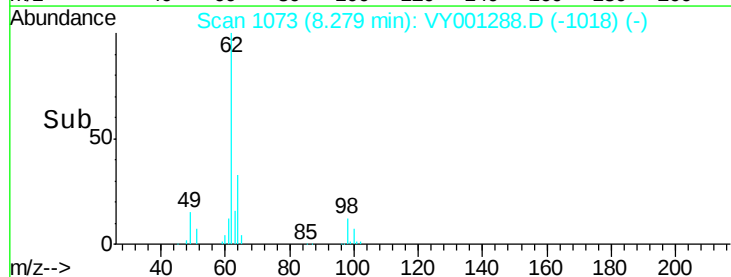
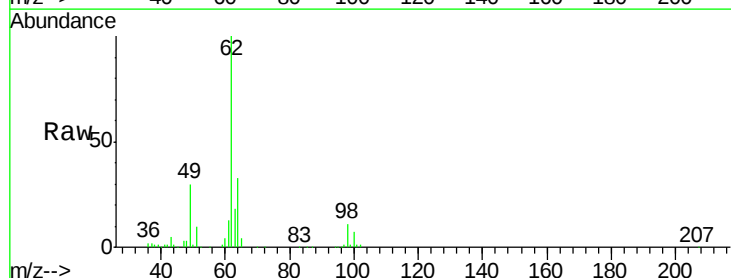
Manual Integrations  
APPROVED

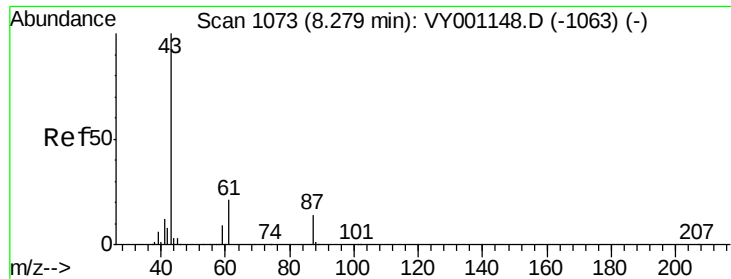
MMDadoda  
1/20/2020 11:06:34 AM



#42  
1,2-Dichloroethane  
Concen: 47.654 ug/l  
RT: 8.28 min Scan# 1073  
Delta R.T. 0.04 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

| Tgt Ion | 62    | Resp  | 119501 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 62      | 100   |       |        |
| 98      | 10.6  | 0.0   | 20.4   |





#43

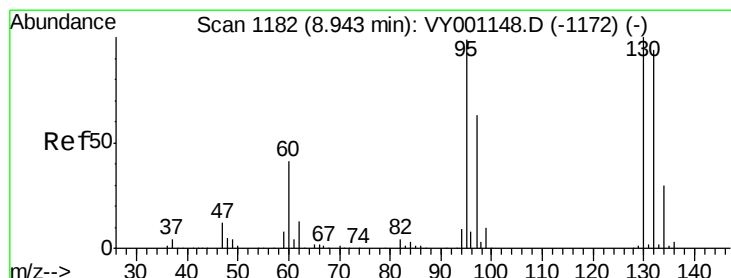
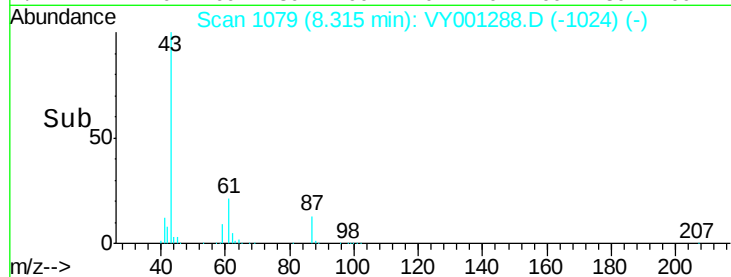
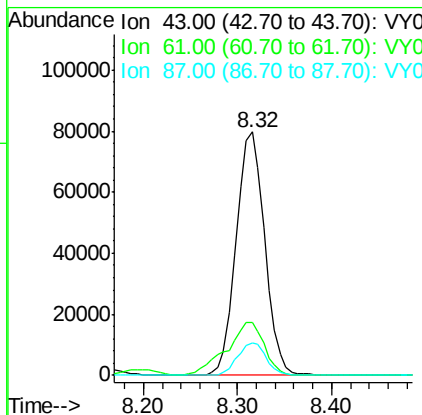
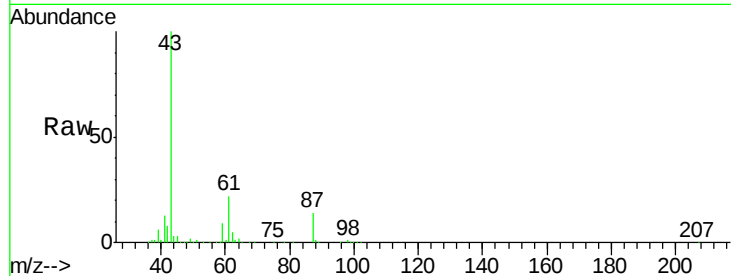
Isopropyl Acetate  
 Concen: 48.859 ug/l  
 RT: 8.32 min Scan# 1079  
 Delta R.T. 0.04 min  
 Lab File: VY001288.D  
 Acq: 17 Jan 2020 23:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 29.0  | 23.9  | 35.9  |
| 87      | 13.5  | 11.4  | 17.2  |

Manual Integrations  
 APPROVED

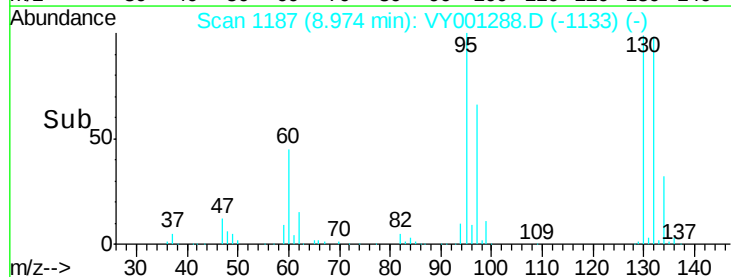
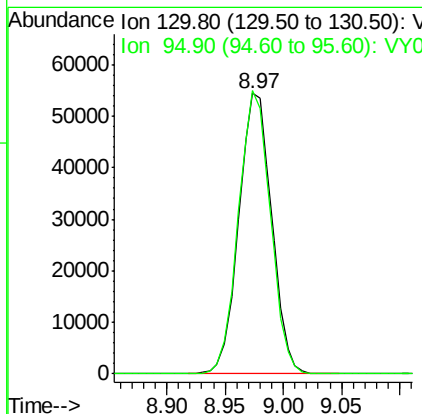
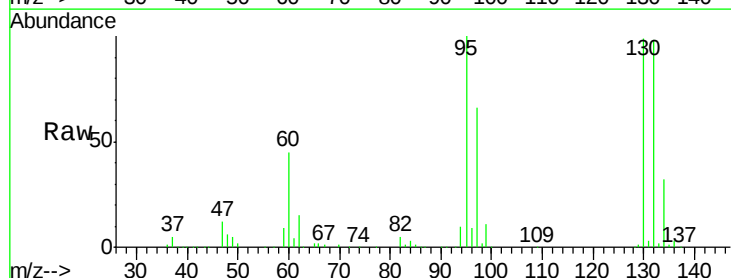
MMDadoda  
 1/20/2020 11:06:34 AM

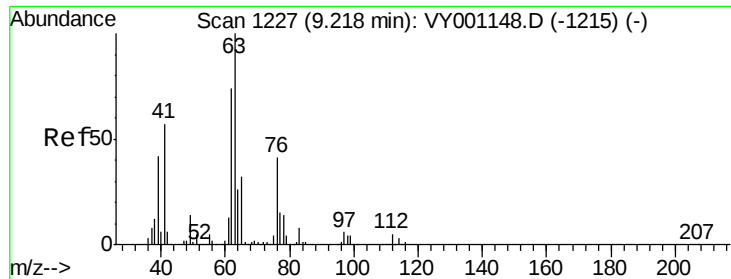


#44

Trichloroethene  
 Concen: 46.025 ug/l  
 RT: 8.97 min Scan# 1187  
 Delta R.T. 0.03 min  
 Lab File: VY001288.D  
 Acq: 17 Jan 2020 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 101.0 | 0.0   | 197.6 |





#45

1,2-Dichloropropane

Concen: 49.177 ug/l

RT: 9.25 min Scan# 1233

Delta R.T. 0.04 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 108877

Ion Ratio Lower Upper

63 100

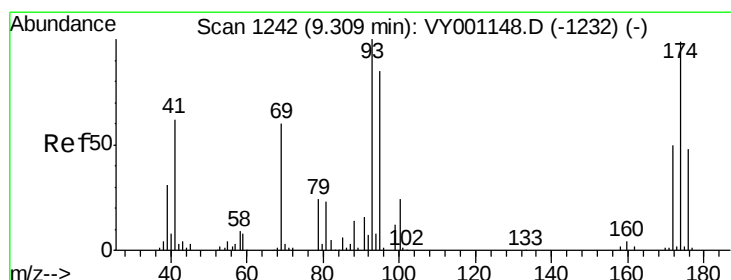
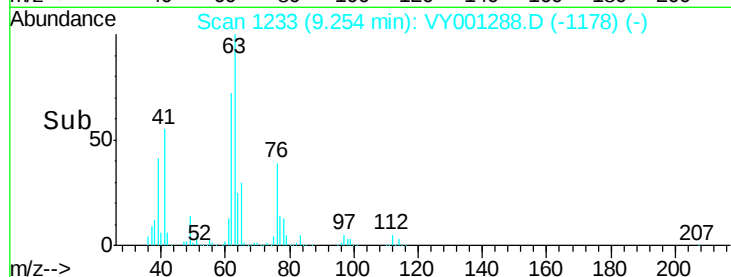
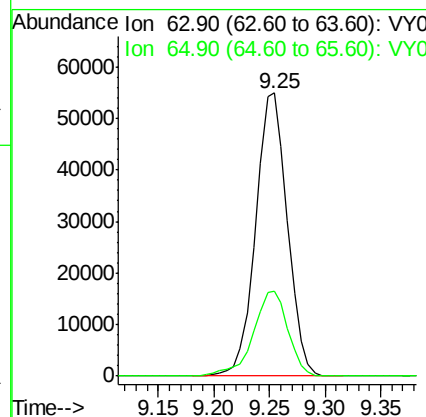
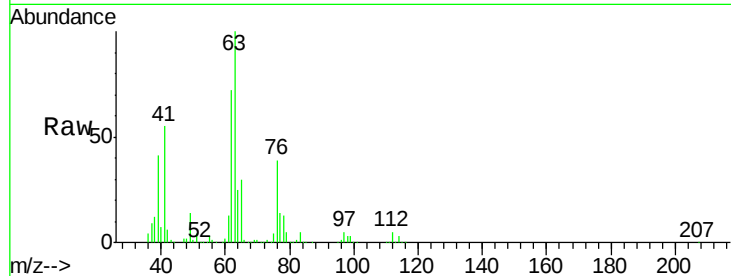
65 30.1 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

1/20/2020 11:06:34 AM



#46

Dibromomethane

Concen: 48.447 ug/l

RT: 9.34 min Scan# 1247

Delta R.T. 0.03 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

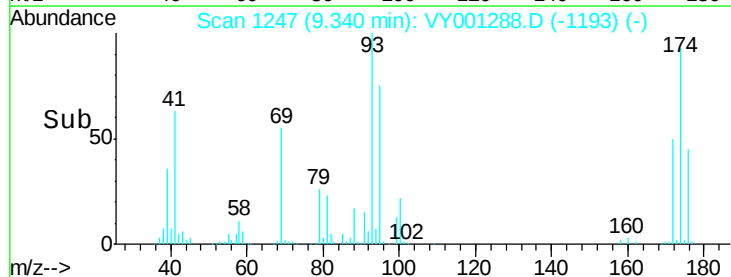
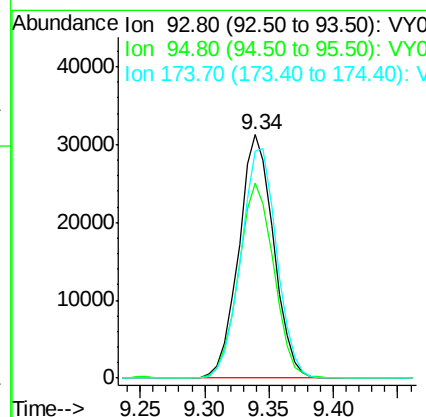
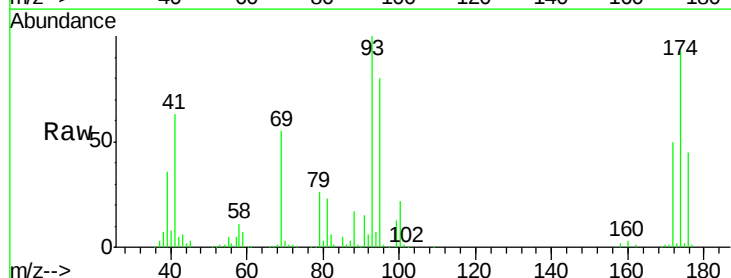
Tgt Ion: 93 Resp: 58524

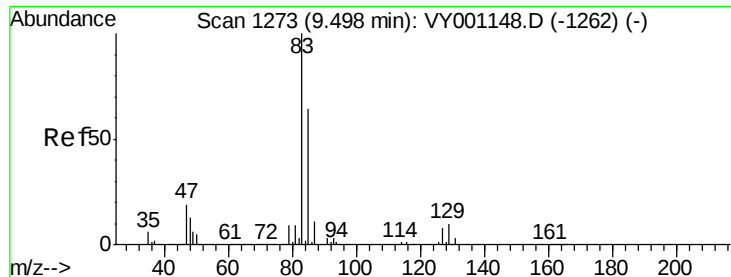
Ion Ratio Lower Upper

93 100

95 81.5 66.8 100.2

174 96.8 78.4 117.6





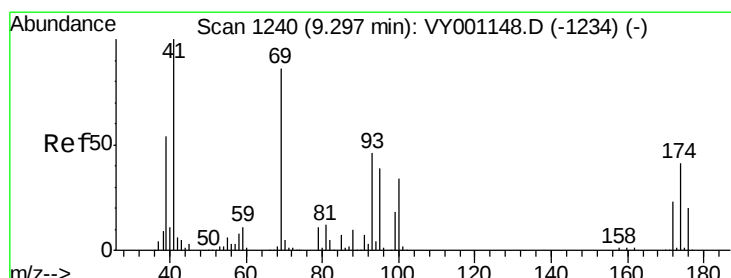
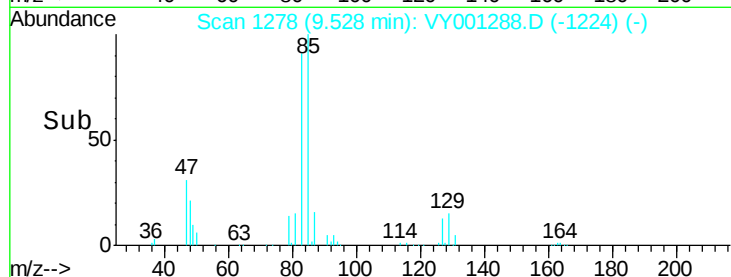
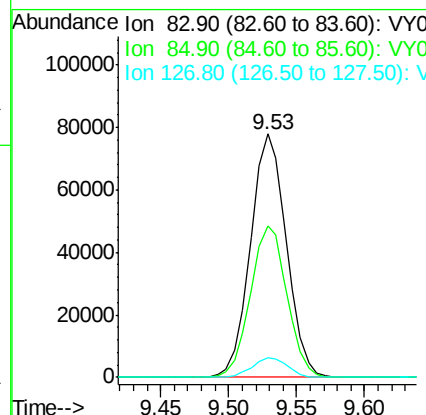
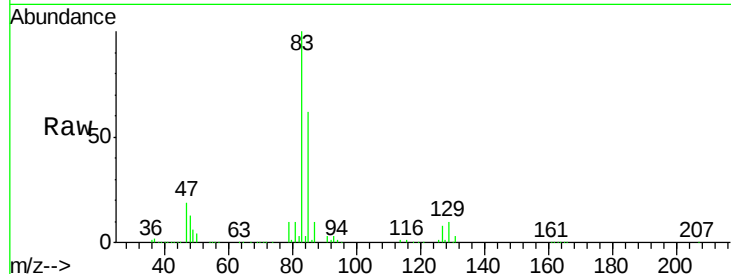
#47  
Bromodichloromethane  
Concen: 48.717 ug/l  
RT: 9.53 min Scan# 1278  
Delta R.T. 0.03 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 143423 |       |       |
| 85      | 62.2  | 51.5   | 77.3  |       |
| 127     | 8.0   | 6.3    | 9.5   |       |

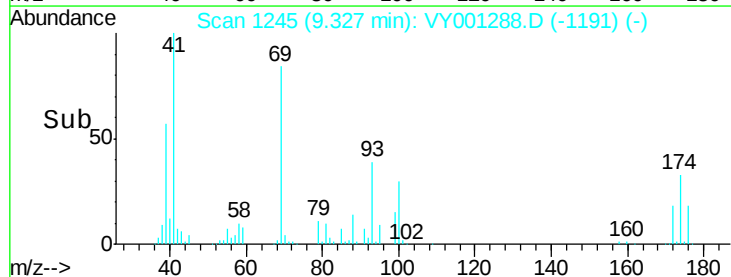
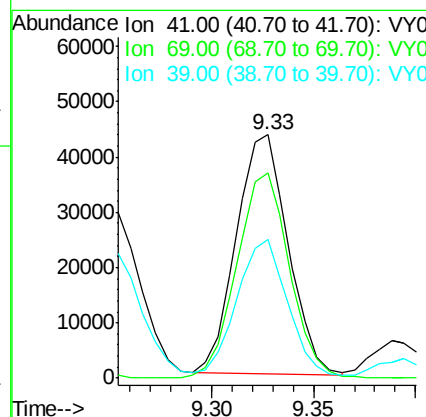
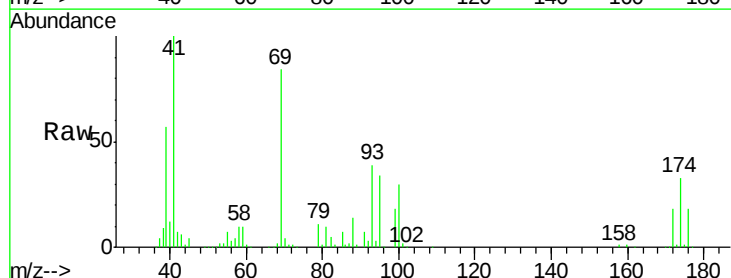
Manual Integrations  
APPROVED

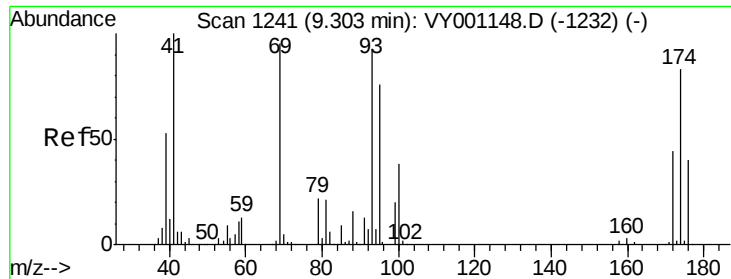
MMDadoda  
1/20/2020 11:06:34 AM



#48  
Methyl methacrylate  
Concen: 47.658 ug/l  
RT: 9.33 min Scan# 1245  
Delta R.T. 0.03 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 41      | 100   | 75930 |       |       |
| 69      | 87.5  | 69.8  | 104.8 |       |
| 39      | 57.4  | 45.2  | 67.8  |       |





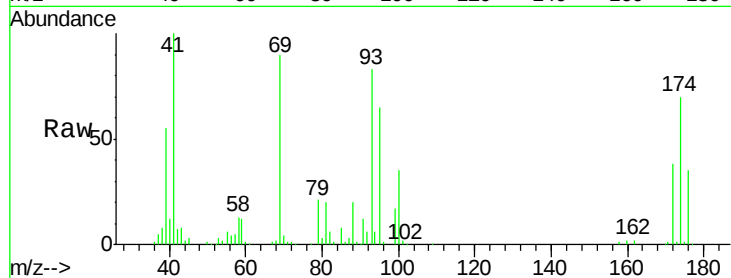
#49  
1,4-Dioxane  
Concen: 1095.898 ug/l  
RT: 9.33 min Scan# 1246  
Delta R.T. 0.03 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

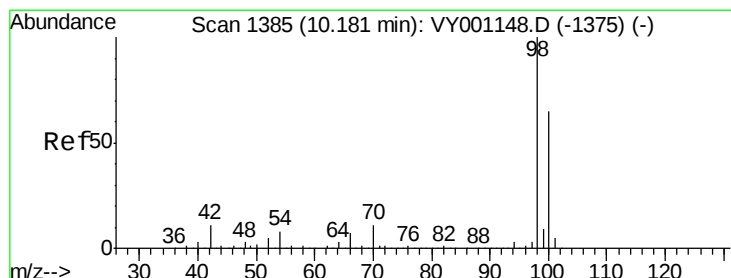
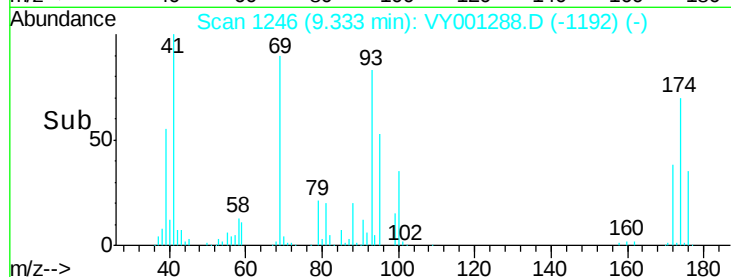
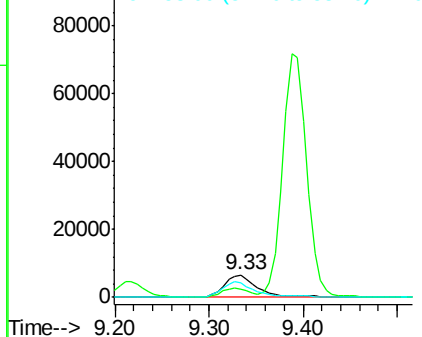
| Tot Ion | 88    | Resp  | 16122 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 33.0  | 22.4  | 33.6  |
| 58      | 71.6  | 58.0  | 87.0  |

Manual Integrations  
APPROVED

MMDadoda  
1/20/2020 11:06:34 AM

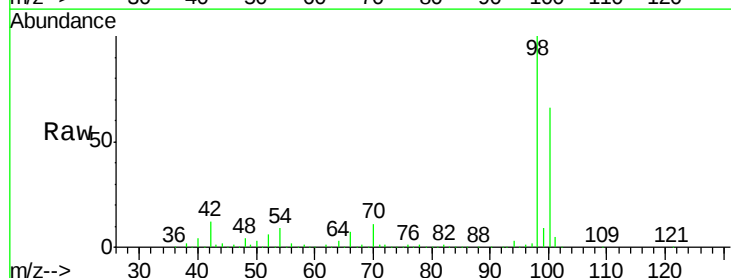


Abundance Ion 88.00 (87.70 to 88.70): VY0  
Ion 43.00 (42.70 to 43.70): VY0  
Ion 58.00 (57.70 to 58.70): VY0

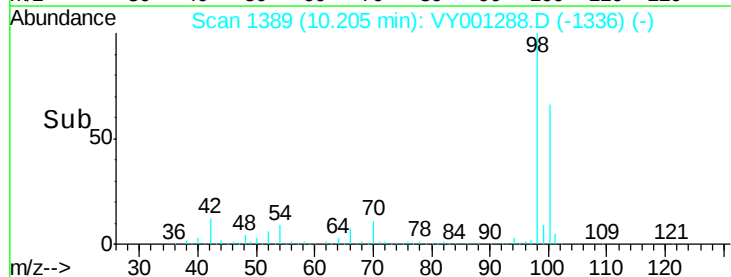
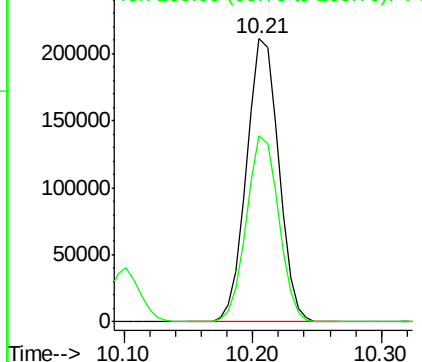


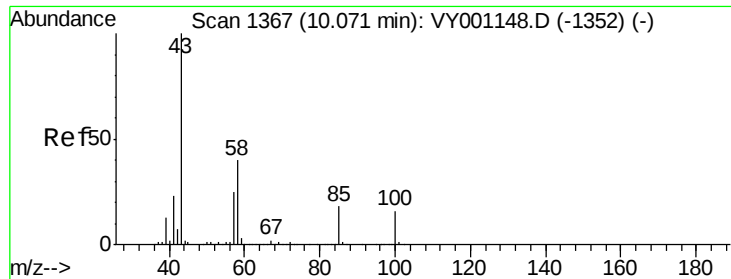
#50  
Toluene-d8  
Concen: 47.909 ug/l  
RT: 10.21 min Scan# 1389  
Delta R.T. 0.02 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

| Tgt Ion | 98    | Resp  | 363812 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 65.7  | 53.1  | 79.7   |



Abundance Ion 98.00 (97.70 to 98.70): VY0  
Ion 100.00 (99.70 to 100.70): VY0





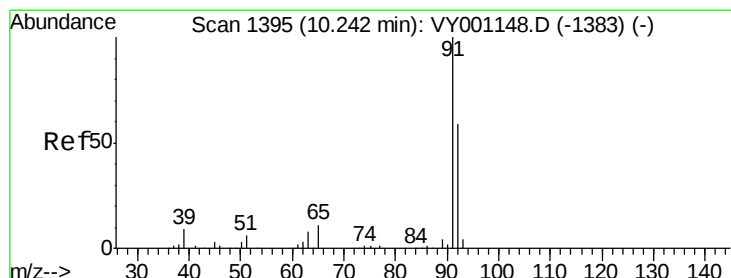
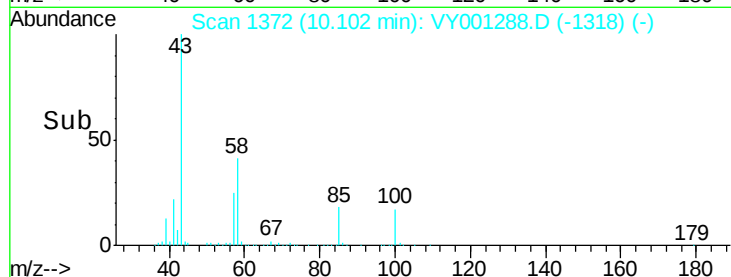
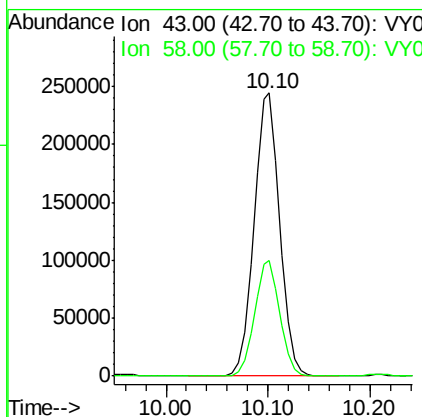
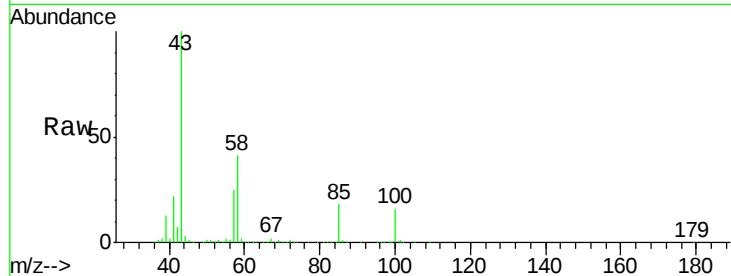
#51  
4-Methyl-2-Pentanone  
Concen: 244.565 ug/l  
RT: 10.10 min Scan# 1372  
Delta R.T. 0.03 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 427250  
Ion Ratio Lower Upper  
43 100  
58 40.1 32.3 48.5

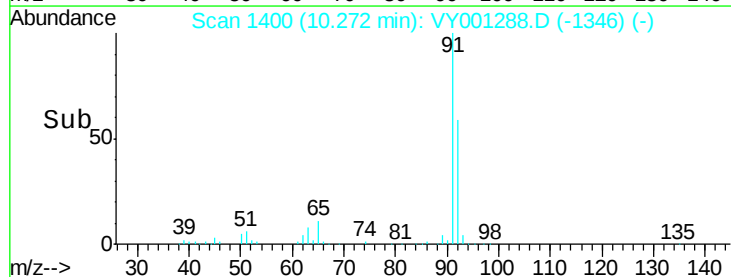
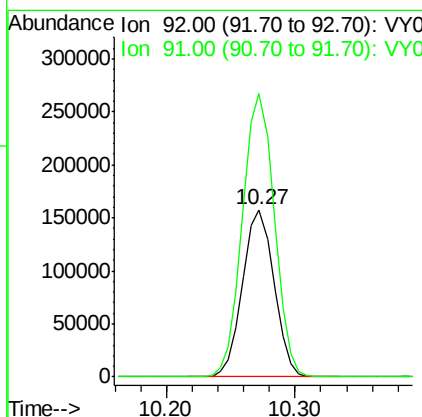
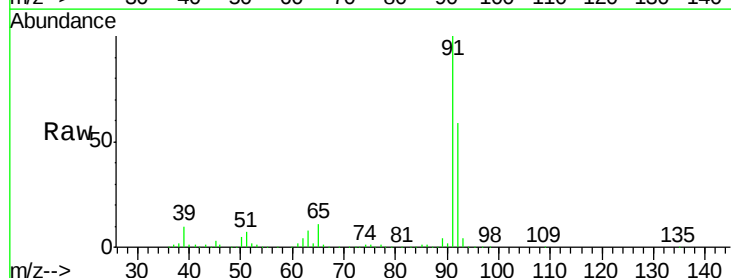
Manual Integrations  
APPROVED

MMDadoda  
1/20/2020 11:06:34 AM



#52  
Toluene  
Concen: 46.664 ug/l  
RT: 10.27 min Scan# 1400  
Delta R.T. 0.03 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Tgt Ion: 92 Resp: 266539  
Ion Ratio Lower Upper  
92 100  
91 171.7 136.6 204.8





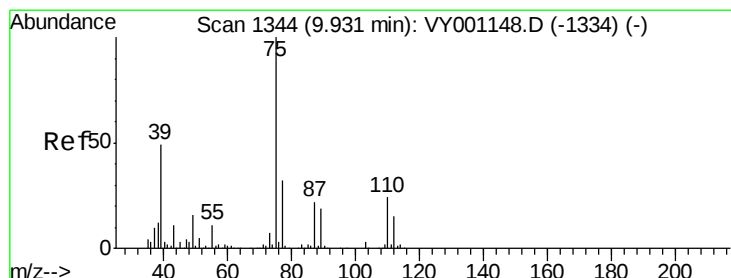
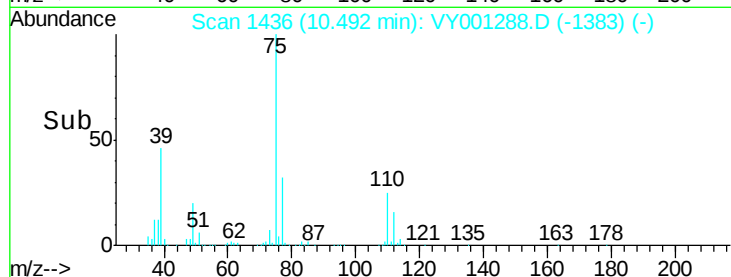
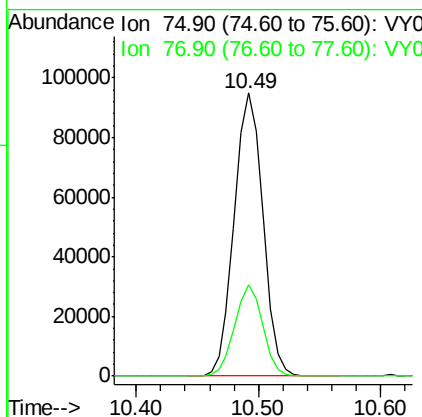
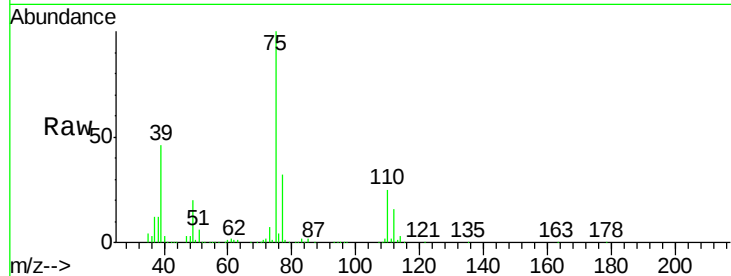
#53  
t-1,3-Dichloropropene  
Concen: 46.797 ug/l  
RT: 10.49 min Scan# 1436  
Delta R.T. 0.02 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 75 Resp: 154165  
Ion Ratio Lower Upper  
75 100  
77 32.3 26.2 39.2

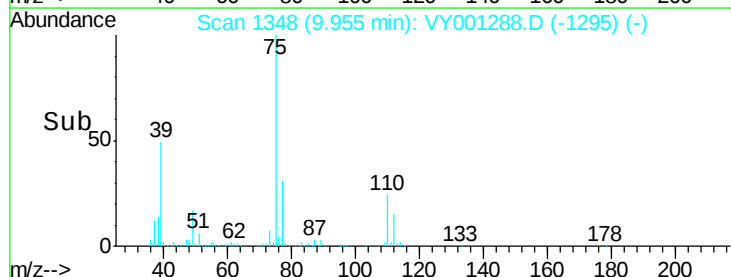
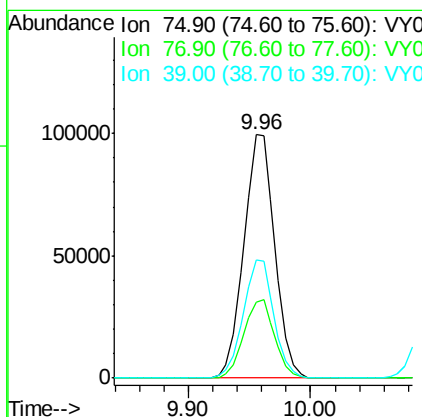
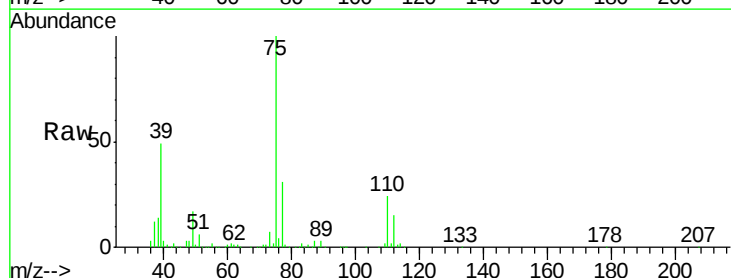
Manual Integrations  
APPROVED

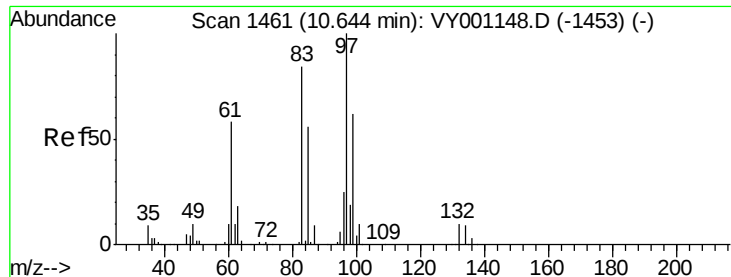
MMDadoda  
1/20/2020 11:06:34 AM



#54  
cis-1,3-Dichloropropene  
Concen: 47.069 ug/l  
RT: 9.96 min Scan# 1348  
Delta R.T. 0.02 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Tgt Ion: 75 Resp: 174824  
Ion Ratio Lower Upper  
75 100  
77 31.0 25.3 37.9  
39 48.5 39.1 58.7





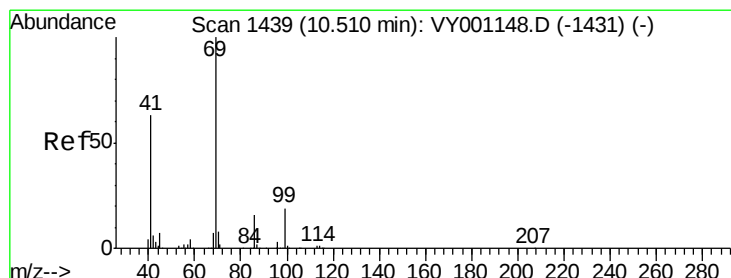
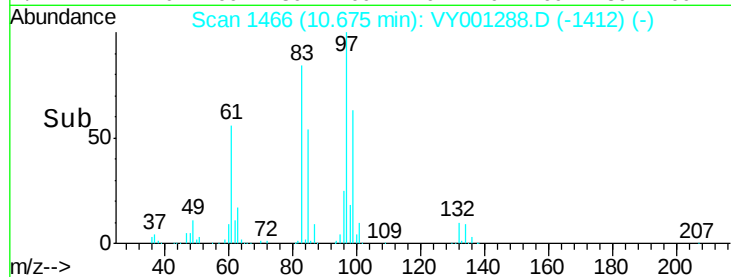
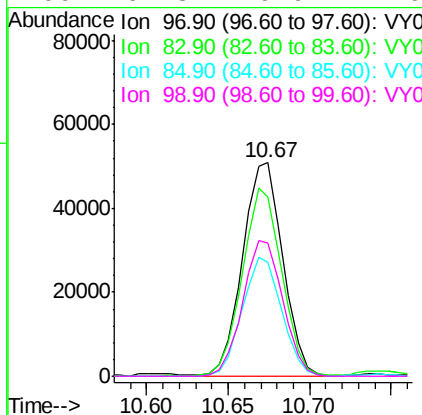
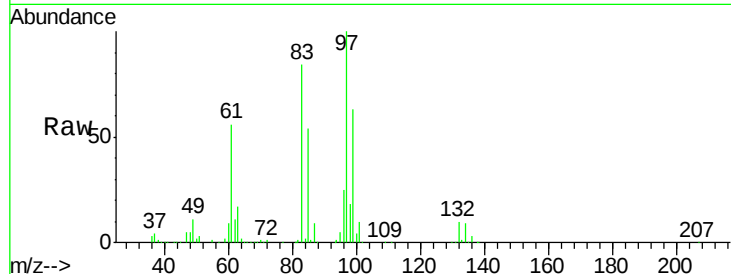
#55  
 1,1,2-Trichloroethane  
 Concen: 48.398 ug/l  
 RT: 10.67 min Scan# 1466  
 Delta R.T. 0.03 min  
 Lab File: VY001288.D  
 Acq: 17 Jan 2020 23:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 86673 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 83.8  | 67.2  | 100.8 |
| 85       | 53.7  | 44.9  | 67.3  |
| 99       | 62.8  | 49.9  | 74.9  |

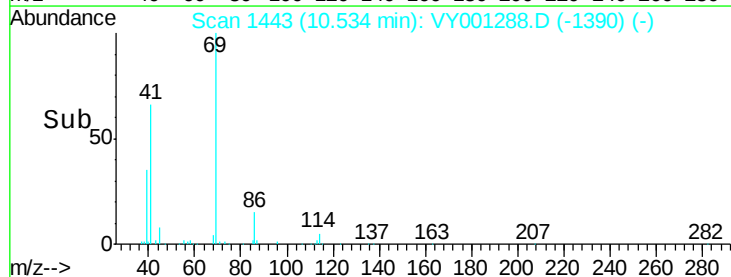
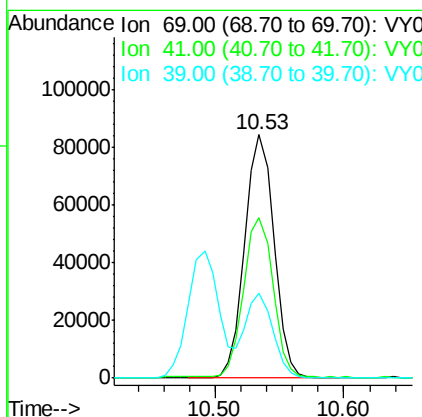
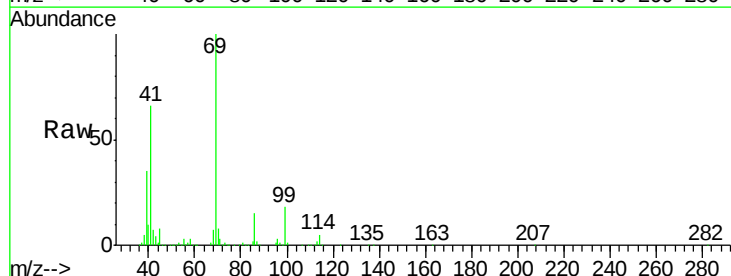
Manual Integrations  
 APPROVED

MMDadoda  
 1/20/2020 11:06:34 AM



#56  
 Ethyl methacrylate  
 Concen: 48.291 ug/l  
 RT: 10.53 min Scan# 1443  
 Delta R.T. 0.02 min  
 Lab File: VY001288.D  
 Acq: 17 Jan 2020 23:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 132290 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 66.3  | 51.4  | 77.2   |
| 39       | 31.9  | 26.3  | 39.5   |





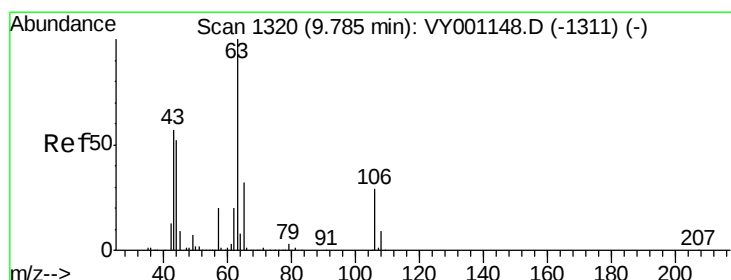
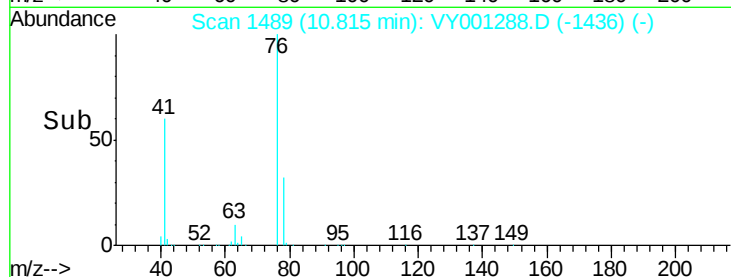
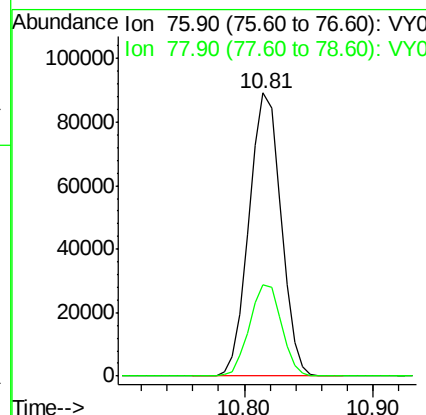
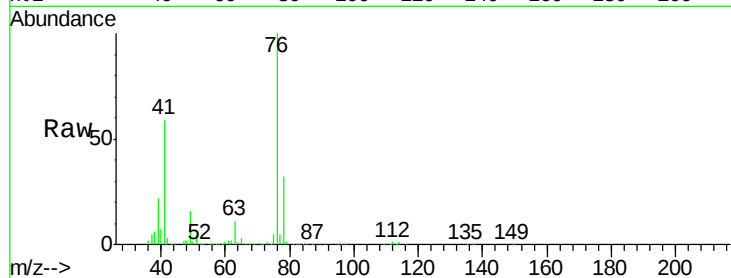
#57  
 1,3-Dichloropropane  
 Concen: 49.642 ug/l  
 RT: 10.81 min Scan# 1489  
 Delta R.T. 0.02 min  
 Lab File: VY001288.D  
 Acq: 17 Jan 2020 23:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 76 Resp: 152620  
 Ion Ratio Lower Upper  
 76 100  
 78 32.4 26.1 39.1

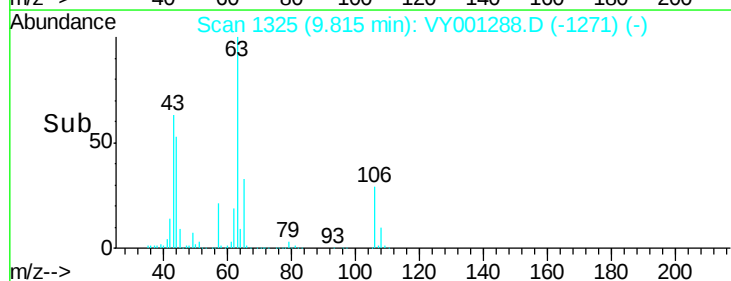
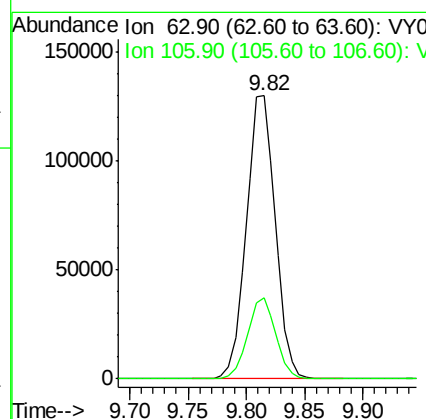
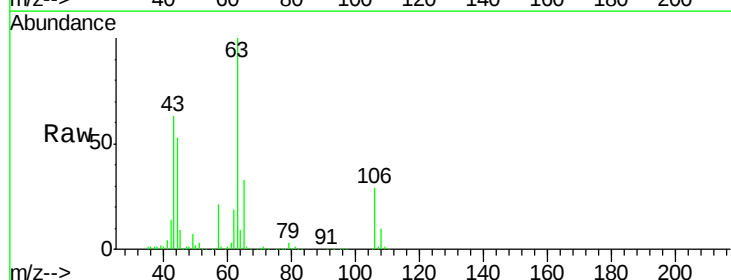
Manual Integrations  
 APPROVED

MMDadoda  
 1/20/2020 11:06:34 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 233.417 ug/l  
 RT: 9.82 min Scan# 1325  
 Delta R.T. 0.03 min  
 Lab File: VY001288.D  
 Acq: 17 Jan 2020 23:50

Tgt Ion: 63 Resp: 224893  
 Ion Ratio Lower Upper  
 63 100  
 106 27.8 23.0 34.6





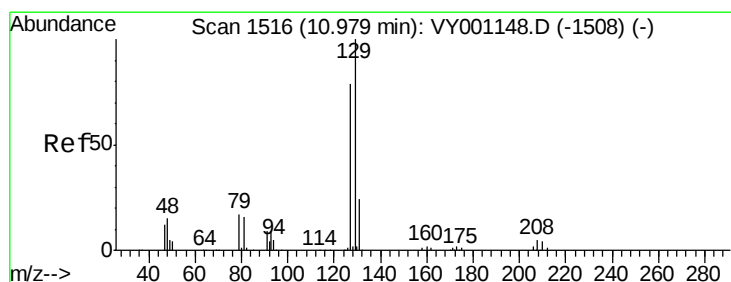
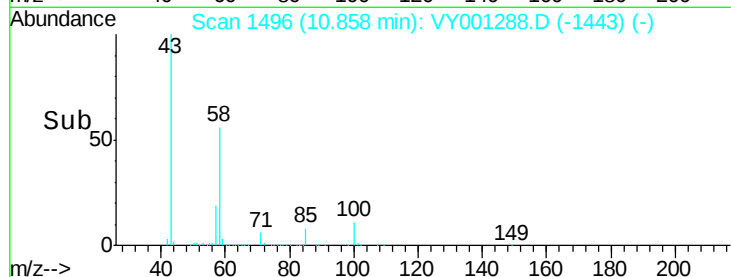
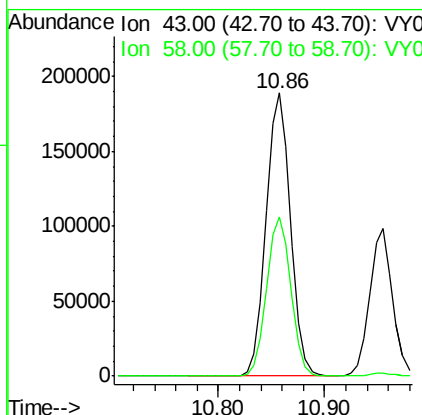
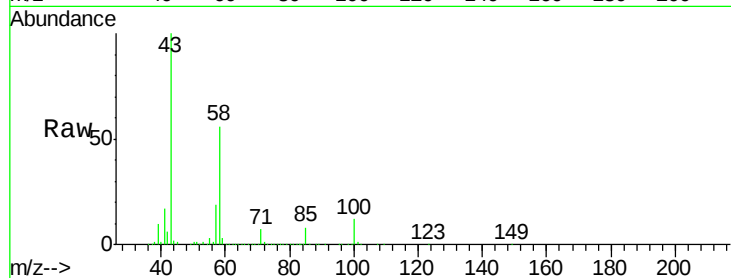
#59  
2-Hexanone  
Concen: 246.975 ug/l  
RT: 10.86 min Scan# 1496  
Delta R.T. 0.02 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 43 | Resp | 302381      |
|-----------|----|------|-------------|
| Ion Ratio | 43 | 100  | Lower Upper |
|           | 58 | 56.2 | 28.4 85.2   |

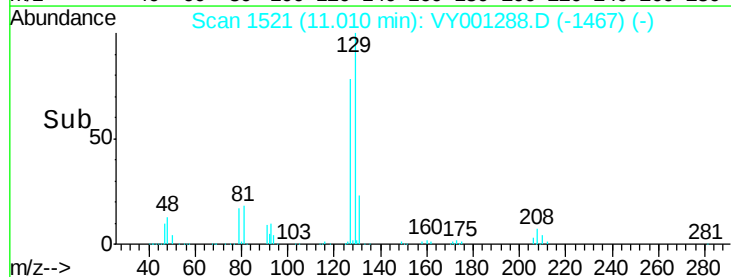
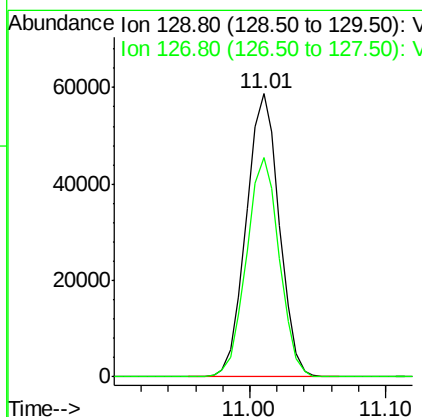
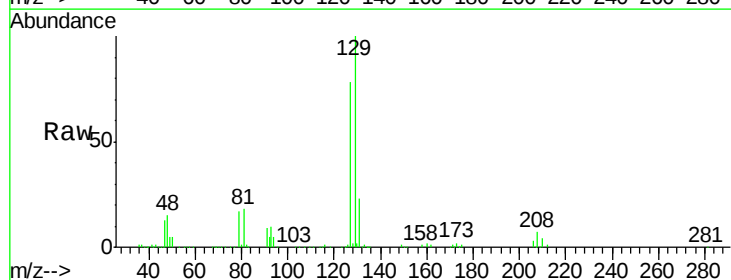
Manual Integrations  
APPROVED

MMDadoda  
1/20/2020 11:06:34 AM



#60  
Dibromochloromethane  
Concen: 48.490 ug/l  
RT: 11.01 min Scan# 1521  
Delta R.T. 0.03 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

| Tgt Ion   | 129 | Resp | 99982       |
|-----------|-----|------|-------------|
| Ion Ratio | 129 | 100  | Lower Upper |
|           | 127 | 77.1 | 38.9 116.7  |





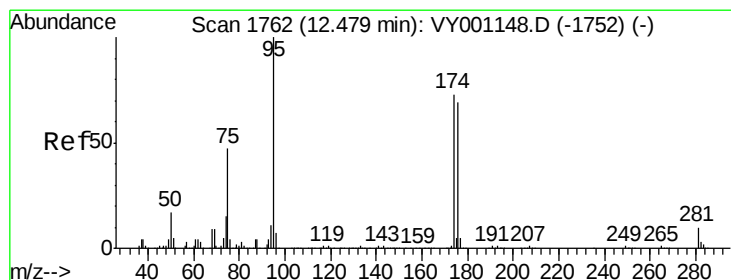
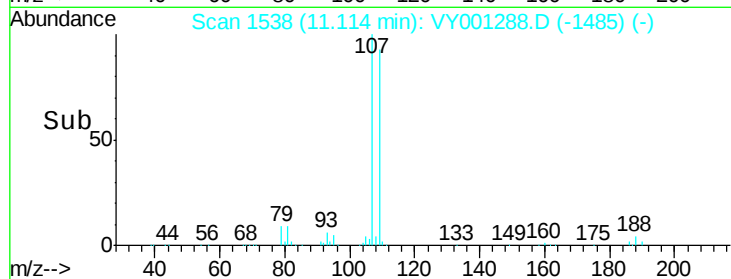
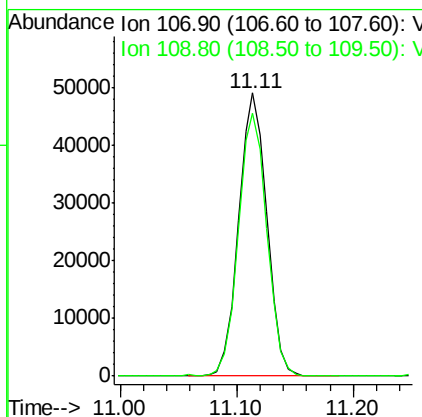
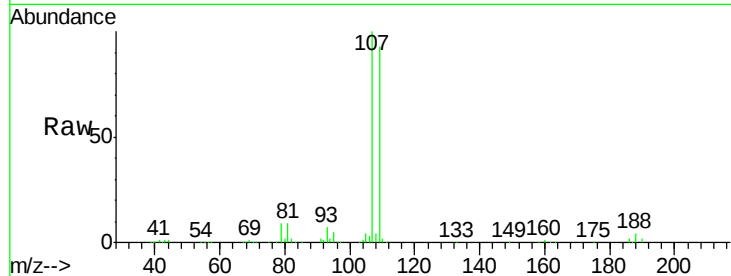
#61  
 1,2-Dibromoethane  
 Concen: 47.194 ug/l  
 RT: 11.11 min Scan# 1538  
 Delta R.T. 0.02 min  
 Lab File: VY001288.D  
 Acq: 17 Jan 2020 23:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 107 Resp: 82526  
 Ion Ratio Lower Upper  
 107 100  
 109 94.6 75.4 113.0

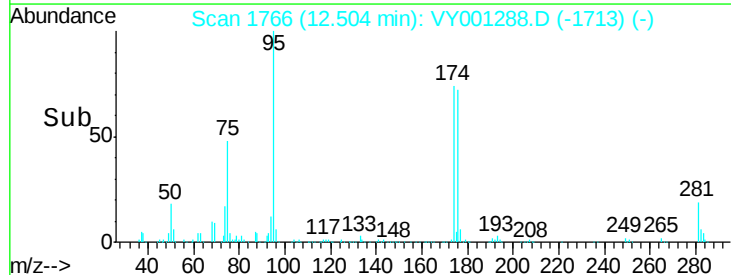
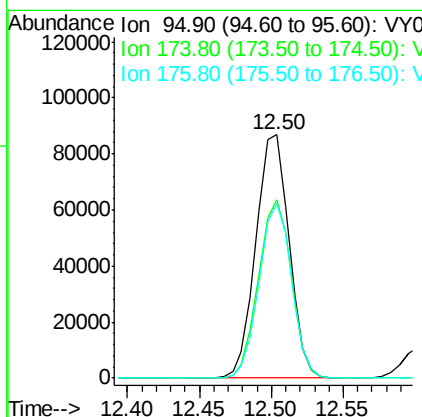
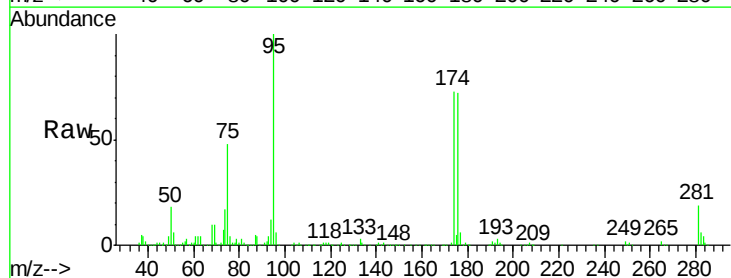
Manual Integrations  
 APPROVED

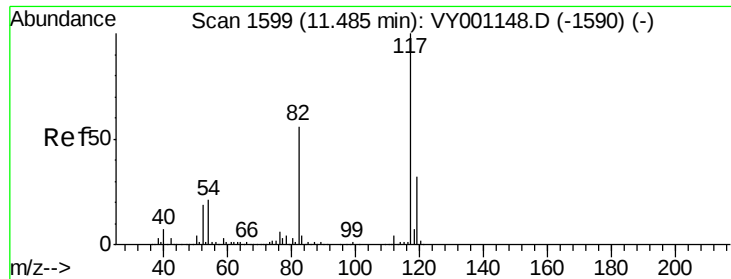
MMDadoda  
 1/20/2020 11:06:34 AM



#62  
 4-Bromofluorobenzene  
 Concen: 44.327 ug/l  
 RT: 12.50 min Scan# 1766  
 Delta R.T. 0.02 min  
 Lab File: VY001288.D  
 Acq: 17 Jan 2020 23:50

Tgt Ion: 95 Resp: 137618  
 Ion Ratio Lower Upper  
 95 100  
 174 73.1 0.0 143.2  
 176 70.6 0.0 136.0





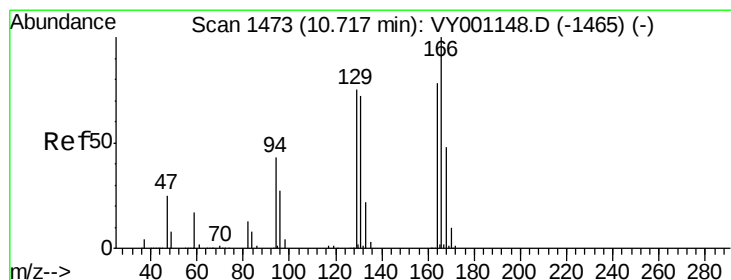
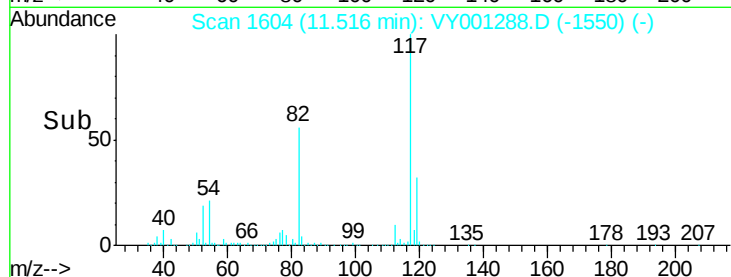
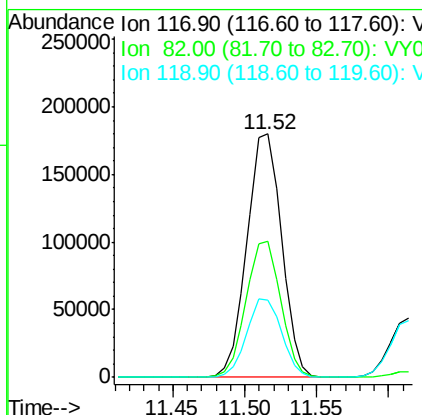
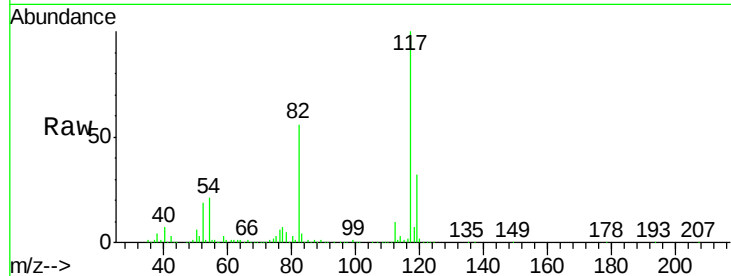
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.52 min Scan# 1604  
Delta R.T. 0.03 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.9  | 44.9  | 67.3  |
| 119     | 31.9  | 25.7  | 38.5  |

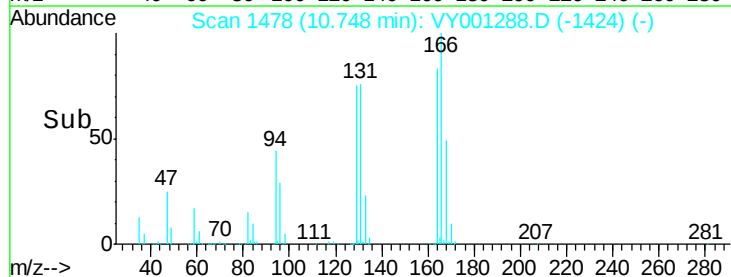
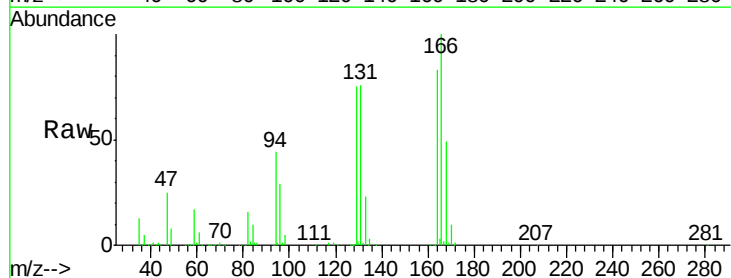
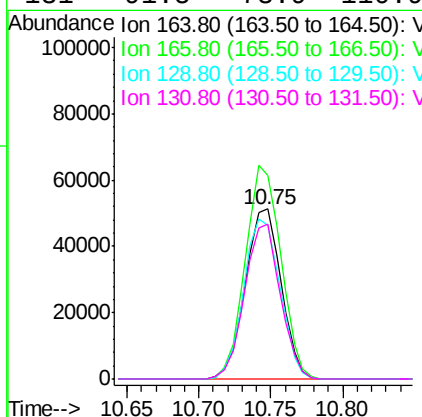
Manual Integrations  
APPROVED

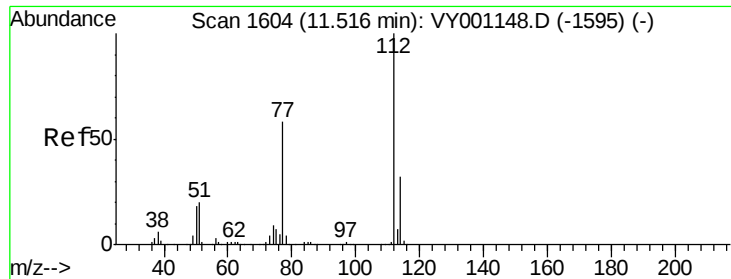
MMDadoda  
1/20/2020 11:06:34 AM



#64  
Tetrachloroethene  
Concen: 45.706 ug/l  
RT: 10.75 min Scan# 1478  
Delta R.T. 0.03 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 120.0 | 102.3 | 153.5 |
| 129     | 90.1  | 76.2  | 114.4 |
| 131     | 91.5  | 73.9  | 110.9 |





#65

Chlorobenzene

Concen: 47.429 ug/l

RT: 11.54 min Scan# 1608

Delta R.T. 0.02 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 284617

Ion Ratio Lower Upper

112 100

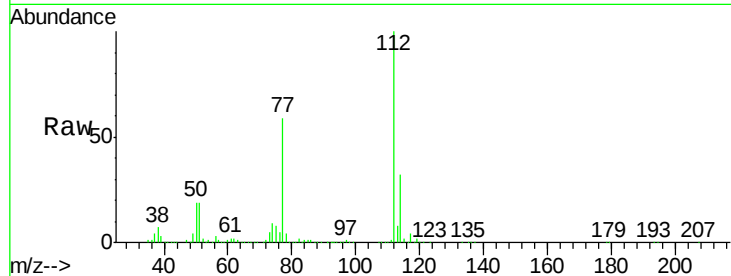
114 31.6 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

1/20/2020 11:06:34 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.54

200000

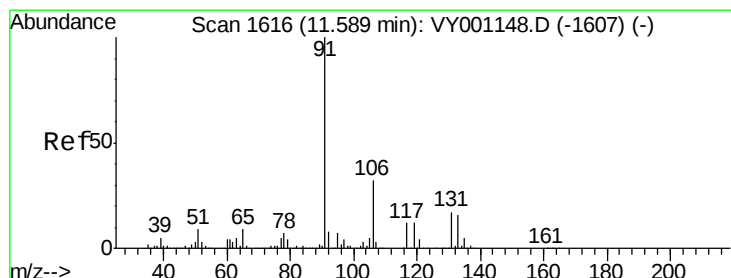
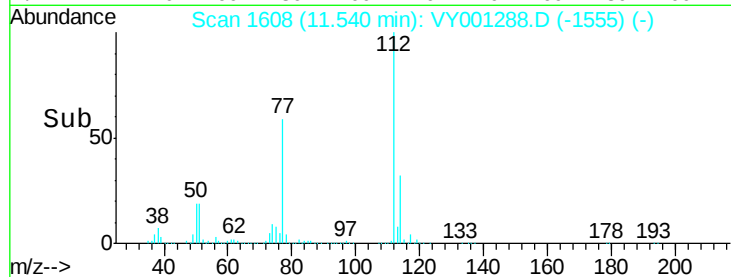
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.700 ug/l

RT: 11.61 min Scan# 1620

Delta R.T. 0.02 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

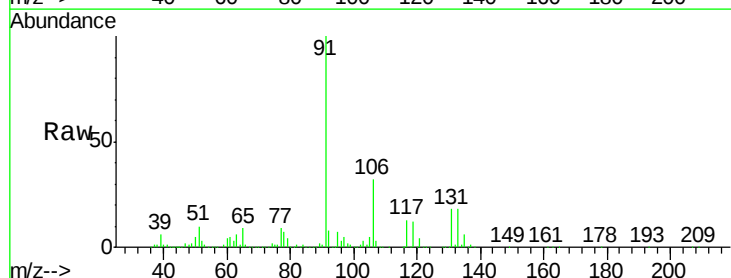
Tgt Ion:131 Resp: 102792

Ion Ratio Lower Upper

131 100

133 94.0 47.3 142.0

119 67.0 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.61

80000

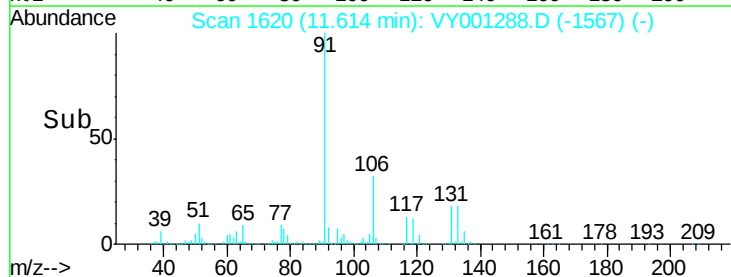
60000

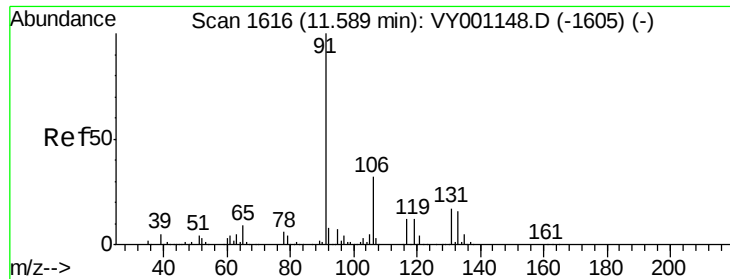
40000

20000

0

Time-->





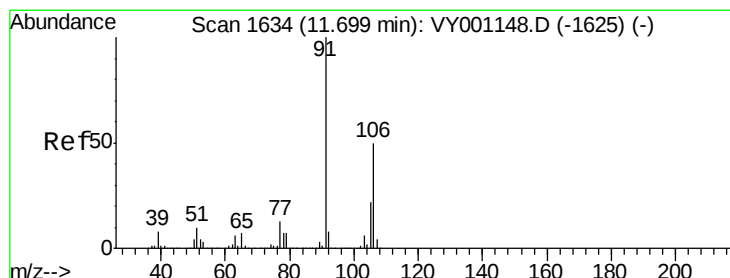
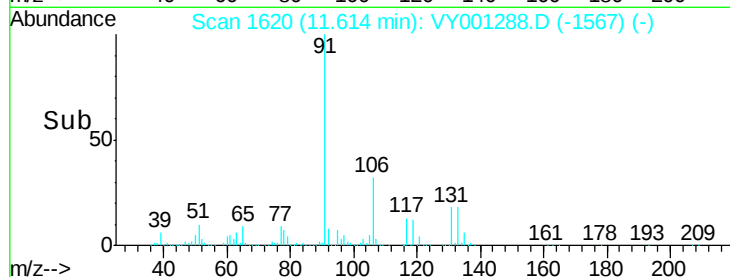
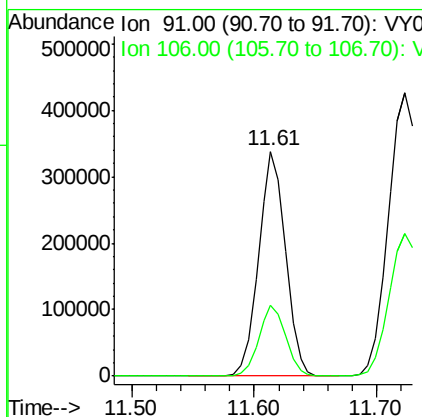
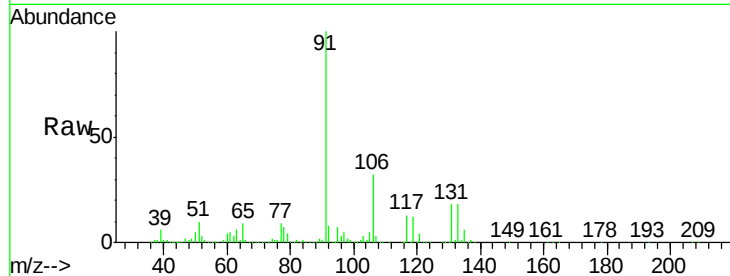
#67  
Ethyl Benzene  
Concen: 47.203 ug/l  
RT: 11.61 min Scan# 1620  
Delta R.T. 0.02 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 518175  
Ion Ratio Lower Upper  
91 100  
106 31.8 25.3 37.9

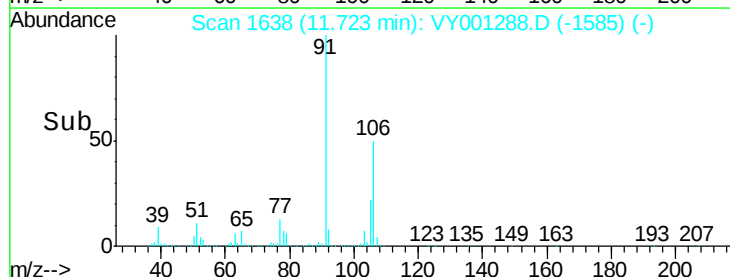
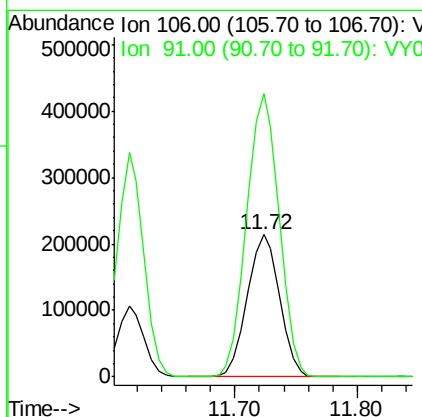
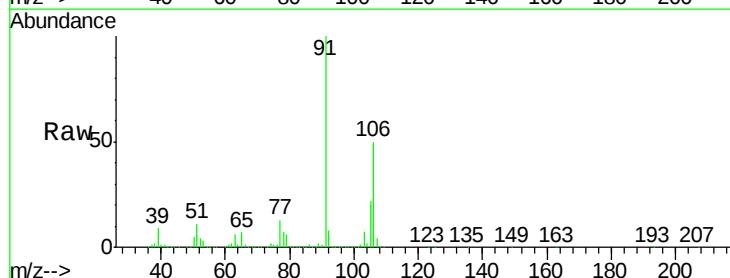
Manual Integrations  
APPROVED

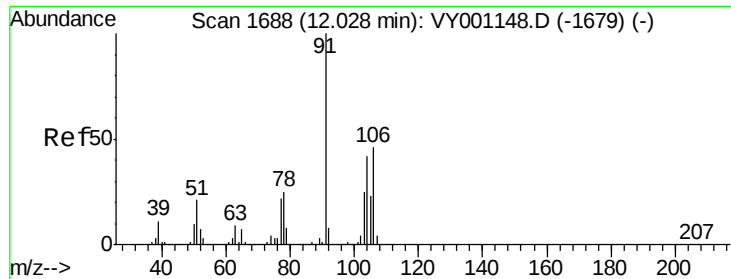
MMDadoda  
1/20/2020 11:06:34 AM



#68  
m/p-Xylenes  
Concen: 95.474 ug/l  
RT: 11.72 min Scan# 1638  
Delta R.T. 0.02 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Tgt Ion: 106 Resp: 395365  
Ion Ratio Lower Upper  
106 100  
91 199.4 161.4 242.2





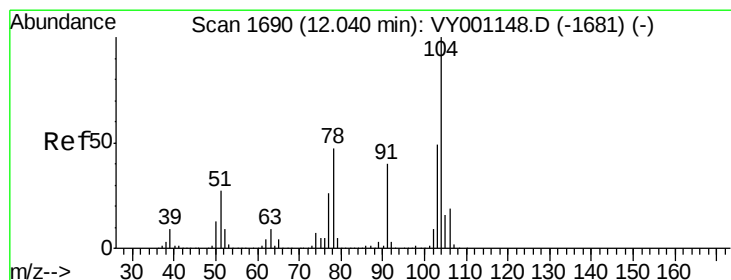
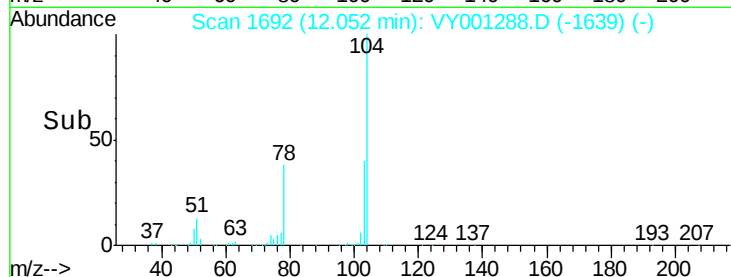
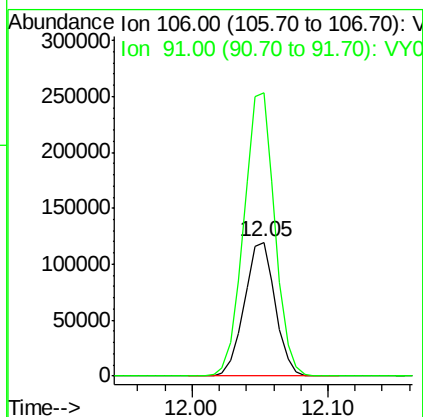
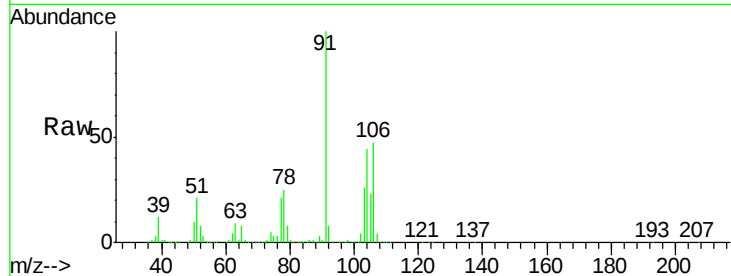
#69  
o-Xylene  
Concen: 47.633 ug/l  
RT: 12.05 min Scan# 1692  
Delta R.T. 0.02 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 189121 |       |       |
| 91      | 212.4 | 106.3 | 318.8  |       |       |

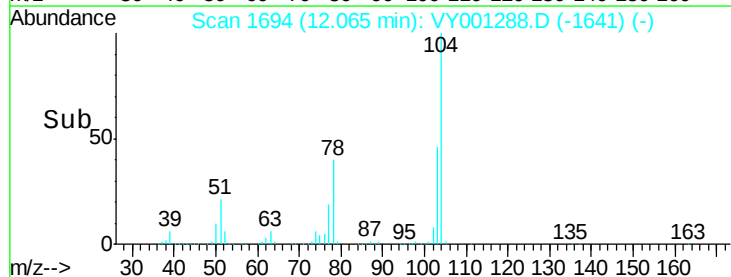
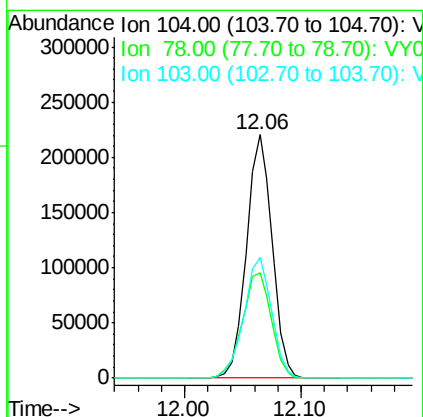
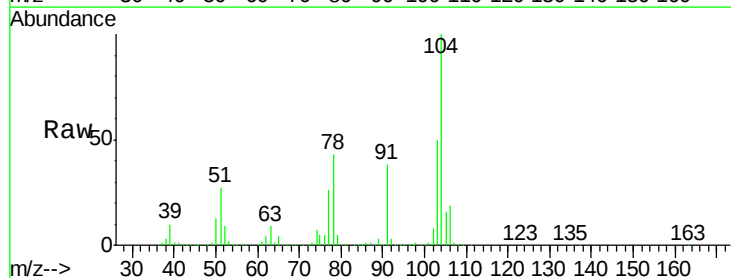
Manual Integrations  
APPROVED

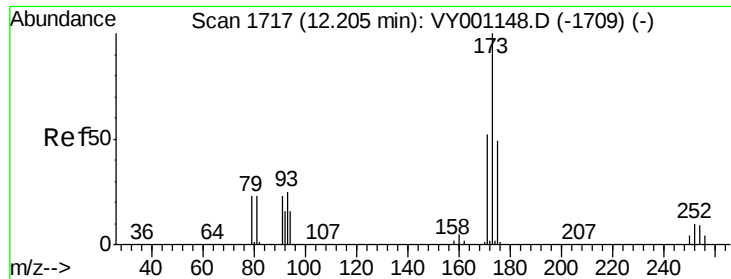
MMDadoda  
1/20/2020 11:06:34 AM



#70  
Styrene  
Concen: 48.688 ug/l  
RT: 12.06 min Scan# 1694  
Delta R.T. 0.02 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 339179 |       |       |
| 78      | 49.0 | 40.5  | 60.7   |       |       |
| 103     | 53.3 | 42.4  | 63.6   |       |       |





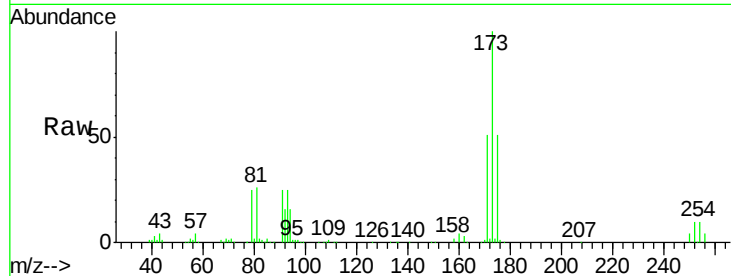
#71  
Bromoform  
Concen: 46.029 ug/l  
RT: 12.23 min Scan# 1721  
Delta R.T. 0.02 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.3  | 24.1  | 72.2  |
| 254     | 0.0   | 0.1   | 0.1#  |

Manual Integrations  
APPROVED

MMDadoda  
1/20/2020 11:06:34 AM

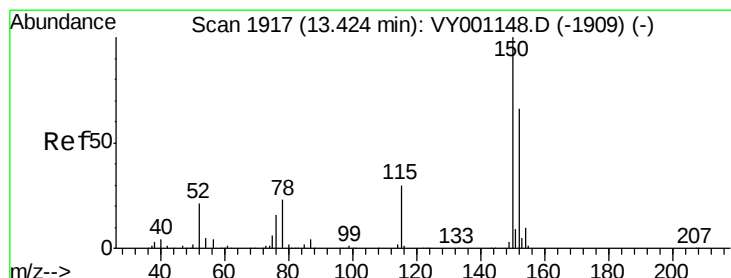
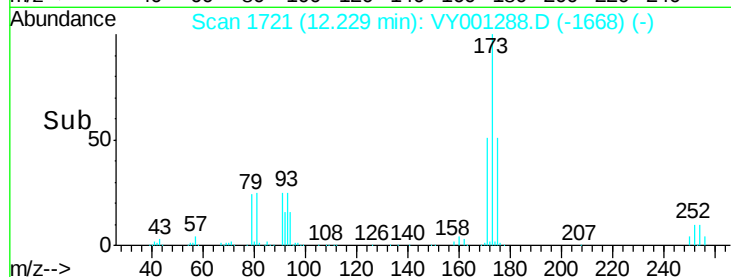
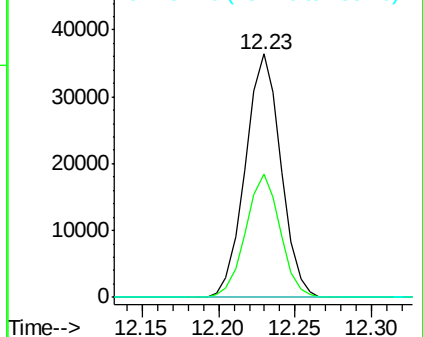


Abundance

Ion 172.70 (172.40 to 173.40): V

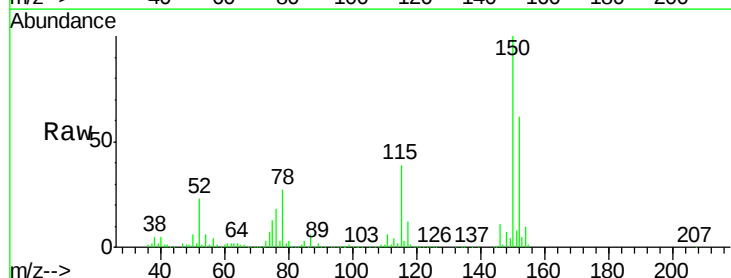
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.44 min Scan# 1920  
Delta R.T. 0.02 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 61.0  | 30.9  | 92.5  |
| 150     | 173.9 | 0.0   | 346.8 |

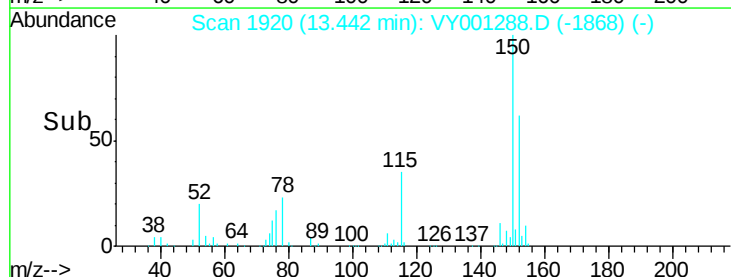
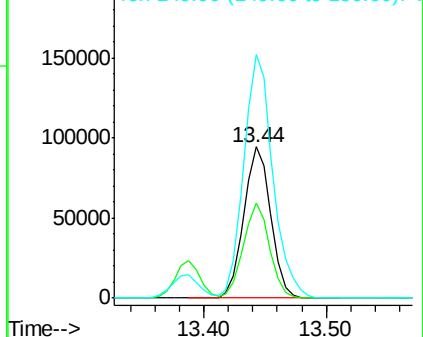


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





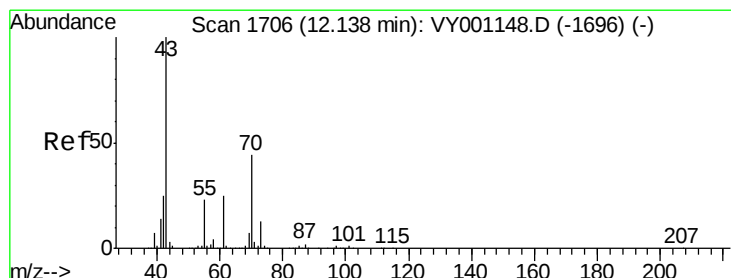
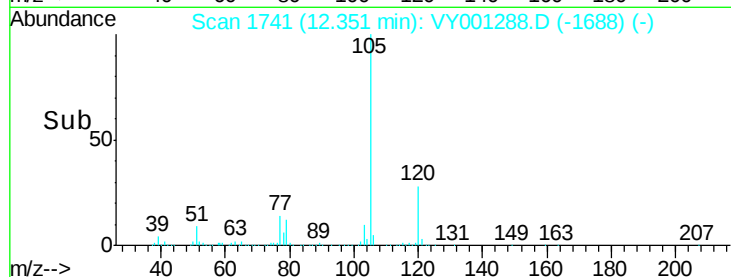
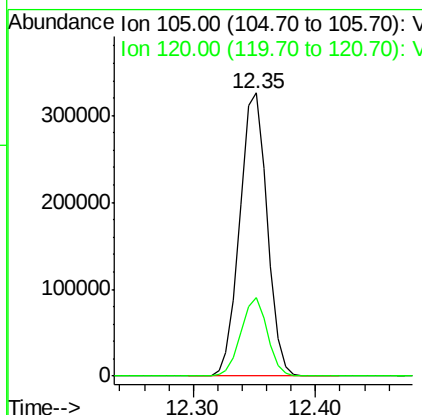
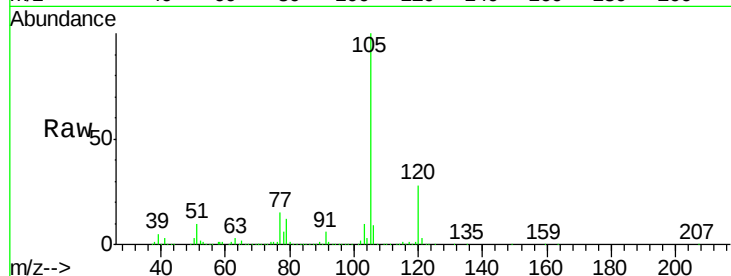
#73  
Isopropylbenzene  
Concen: 46.659 ug/l  
RT: 12.35 min Scan# 1741  
Delta R.T. 0.02 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.9  | 13.4  | 40.2  |

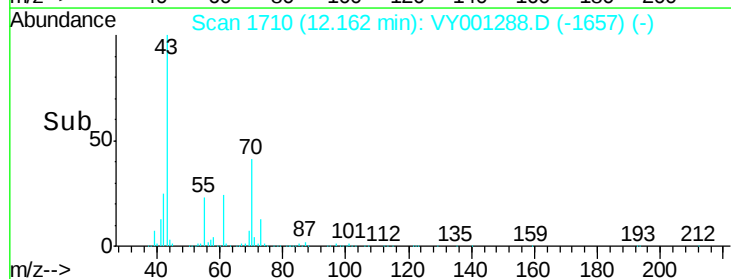
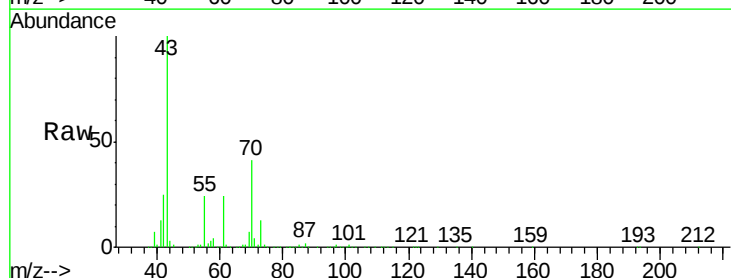
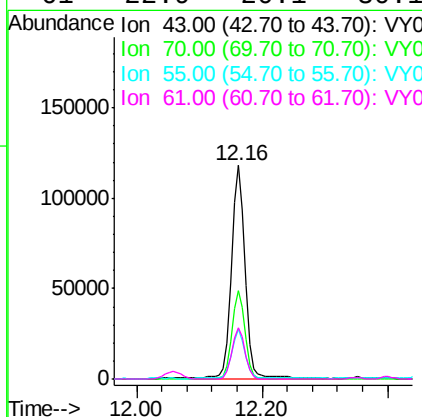
Manual Integrations  
APPROVED

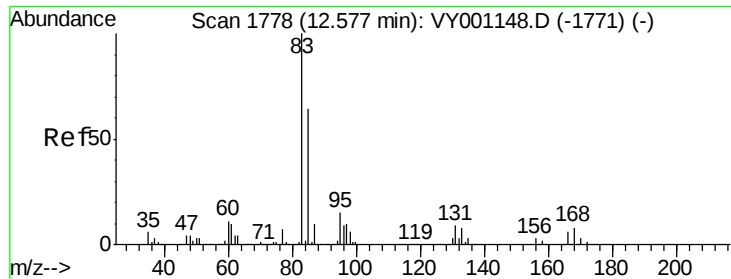
MMDadoda  
1/20/2020 11:06:34 AM



#74  
N-ethyl acetate  
Concen: 52.617 ug/l  
RT: 12.16 min Scan# 1710  
Delta R.T. 0.02 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 39.9  | 35.0  | 52.6  |
| 55      | 22.1  | 18.4  | 27.6  |
| 61      | 22.9  | 20.1  | 30.1  |





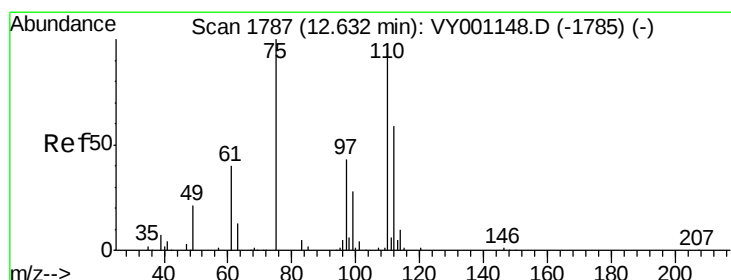
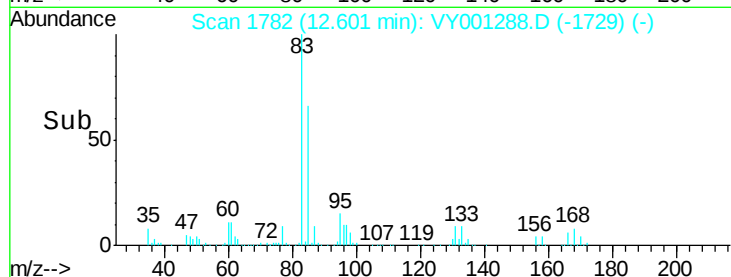
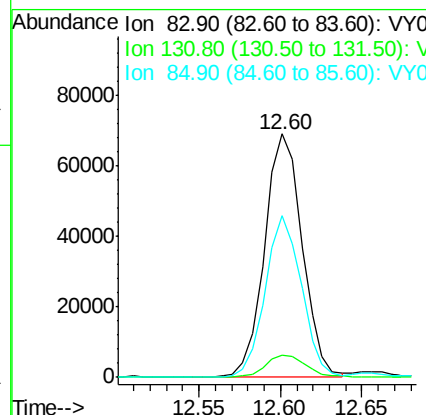
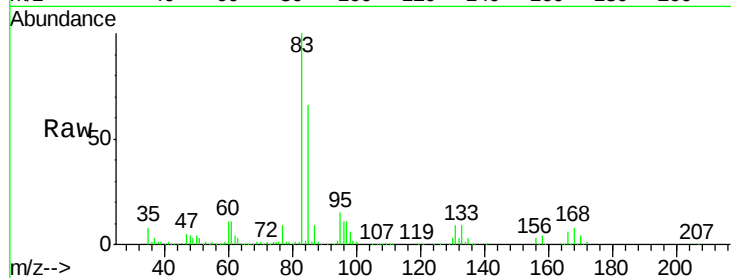
#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 48.109 ug/l  
 RT: 12.60 min Scan# 1782  
 Delta R.T. 0.02 min  
 Lab File: VY001288.D  
 Acq: 17 Jan 2020 23:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 131     | 9.9   | 5.1  | 15.3  |       |
| 85      | 64.5  | 32.2 | 96.6  |       |

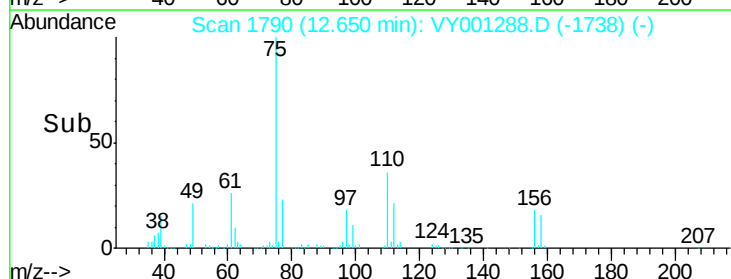
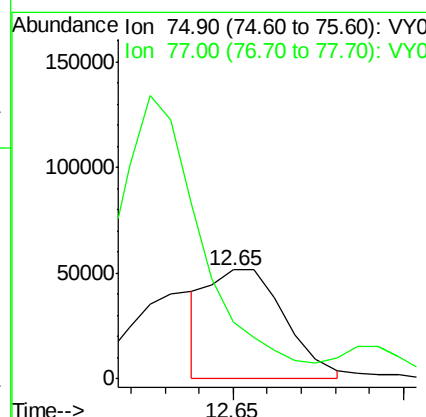
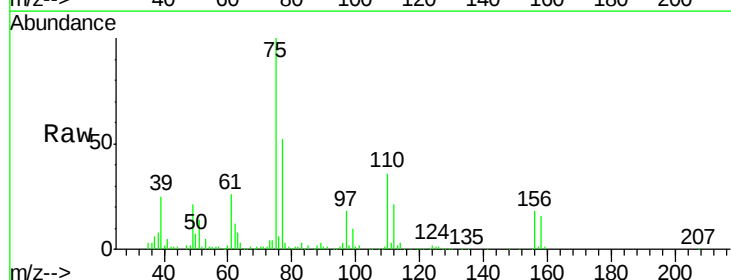
Manual Integrations  
 APPROVED

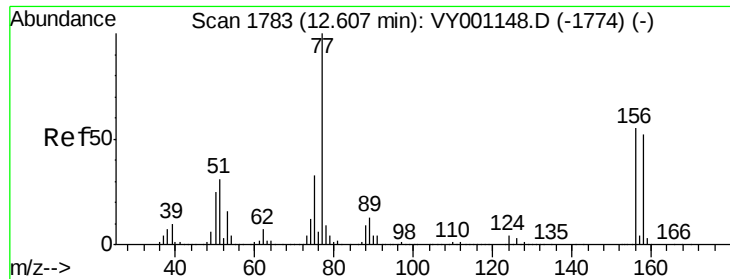
MMDadoda  
 1/20/2020 11:06:34 AM



#76  
 1,2,3-Trichloropropane  
 Concen: 52.185 ug/l m  
 RT: 12.65 min Scan# 1790  
 Delta R.T. 0.02 min  
 Lab File: VY001288.D  
 Acq: 17 Jan 2020 23:50

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





#77

Bromobenzene

Concen: 48.255 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.02 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

Instrument :

MSVOA\_Y

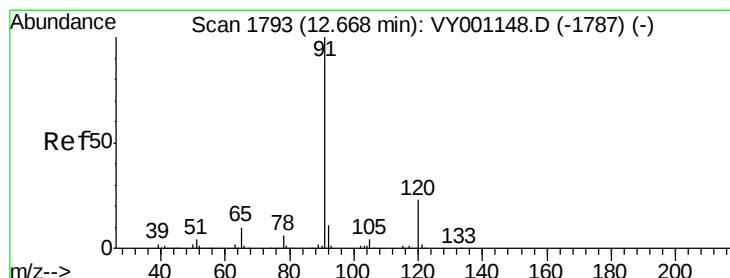
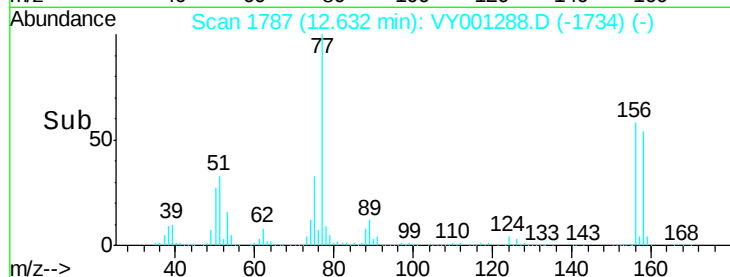
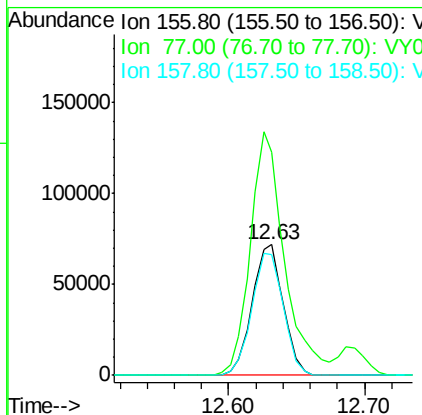
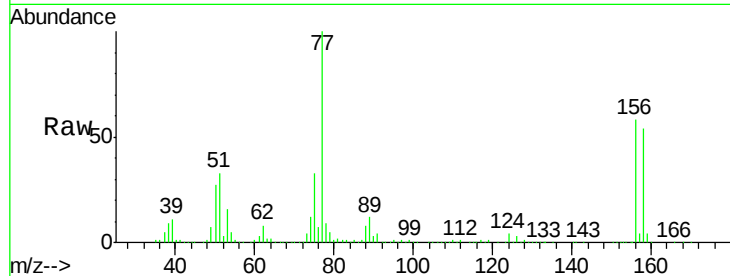
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 115237 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 204.8 | 106.7 | 320.1  |
| 158       | 95.4  | 48.3  | 144.8  |

Manual Integrations  
APPROVED

MMDadoda  
1/20/2020 11:06:34 AM



#78

n-propylbenzene

Concen: 47.062 ug/l

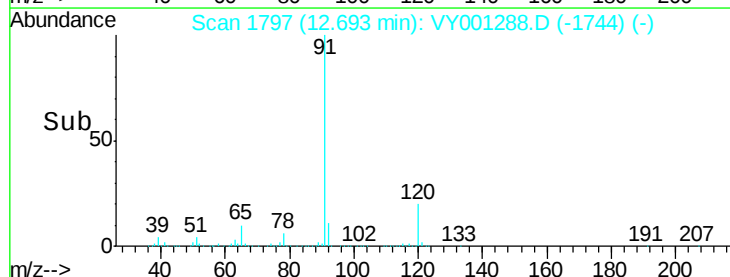
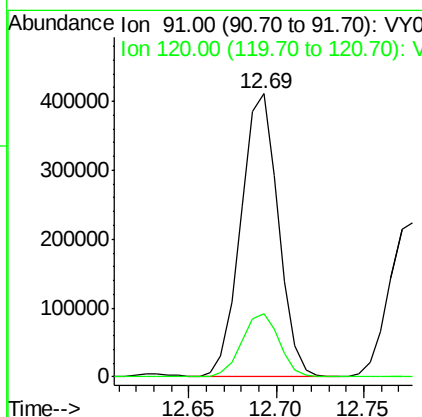
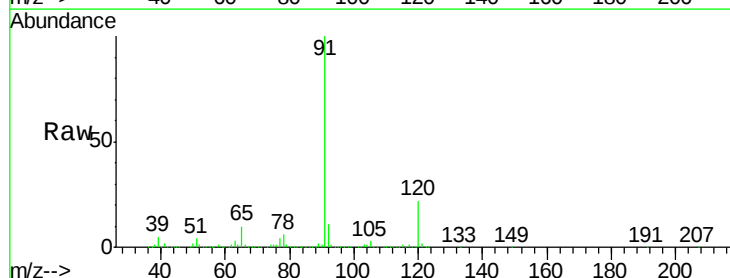
RT: 12.69 min Scan# 1797

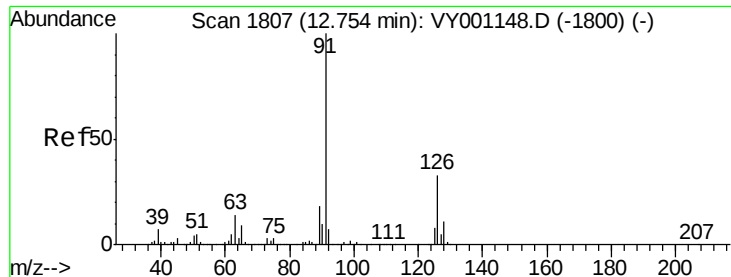
Delta R.T. 0.02 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 611804 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.3  | 11.5  | 34.4   |





#79

2-Chlorotoluene

Concen: 46.903 ug/l

RT: 12.78 min Scan# 1811

Delta R.T. 0.02 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 350176

Ion Ratio Lower Upper

91 100

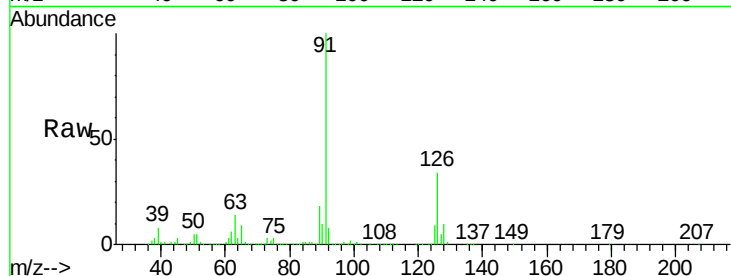
126 33.4 16.4 49.4

Manual Integrations

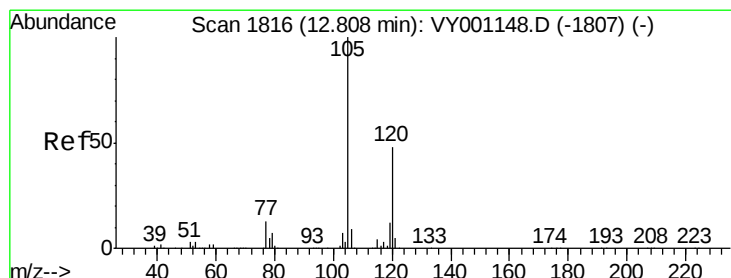
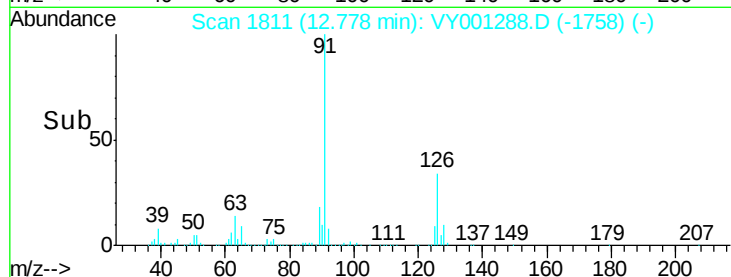
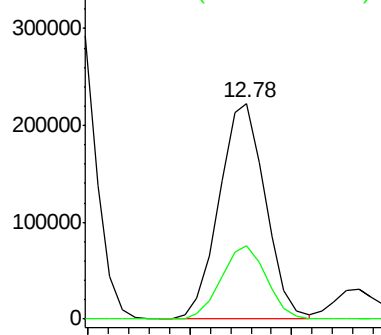
APPROVED

MMDadoda

1/20/2020 11:06:34 AM



Abundance Ion 91.00 (90.70 to 91.70): VY001148.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.492 ug/l

RT: 12.83 min Scan# 1820

Delta R.T. 0.02 min

Lab File: VY001288.D

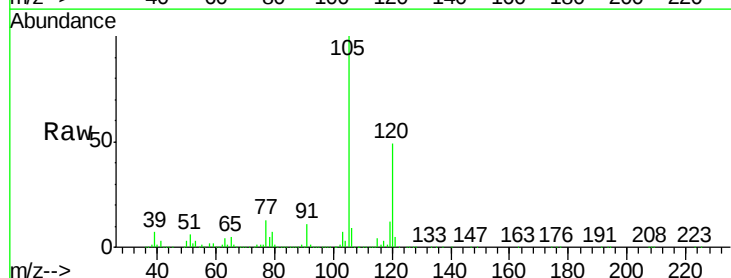
Acq: 17 Jan 2020 23:50

Tgt Ion: 105 Resp: 428266

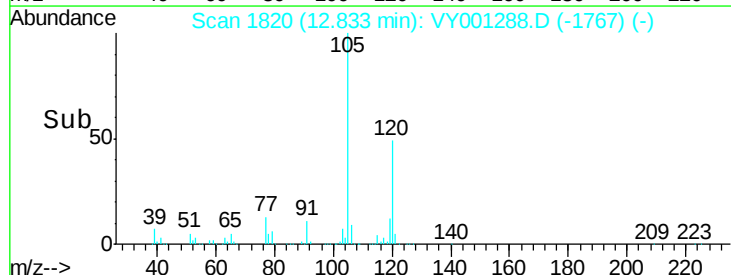
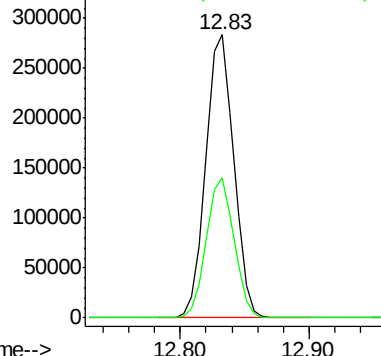
Ion Ratio Lower Upper

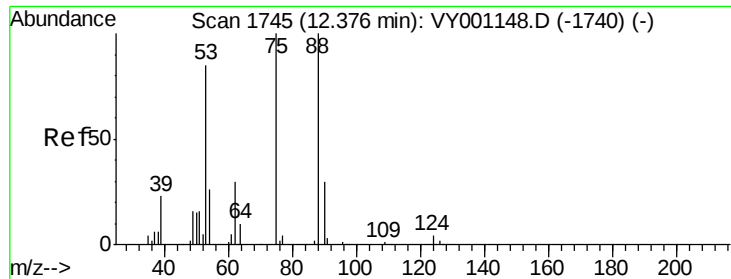
105 100

120 49.0 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VY001148.D (-1807) (-)





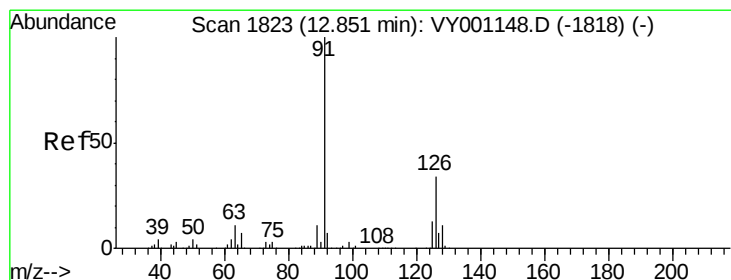
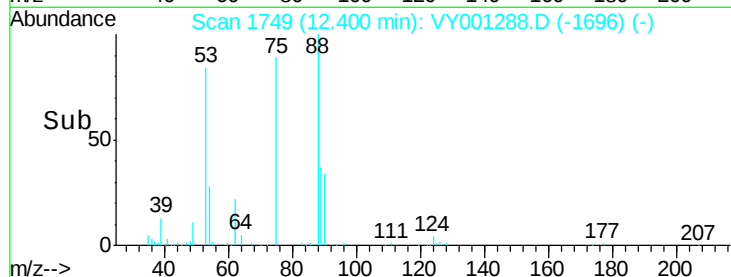
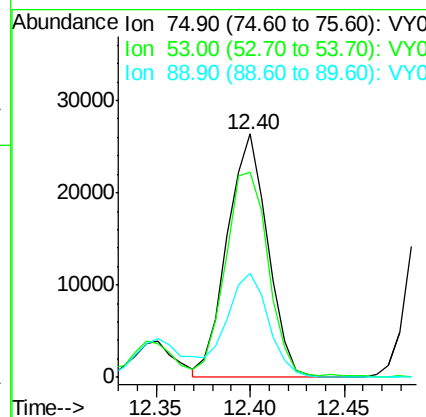
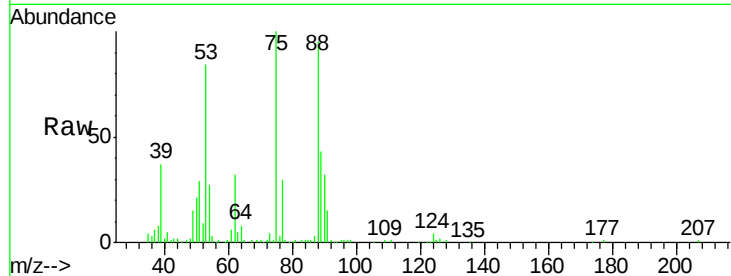
#81  
trans-1,4-Dichloro-2-butene  
Concen: 43.215 ug/l  
RT: 12.40 min Scan# 1749  
Delta R.T. 0.02 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 88.3  | 69.4  | 104.2 |
| 89      | 43.5  | 0.0   | 0.0#  |

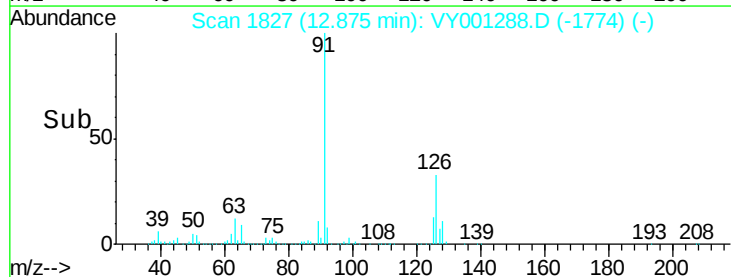
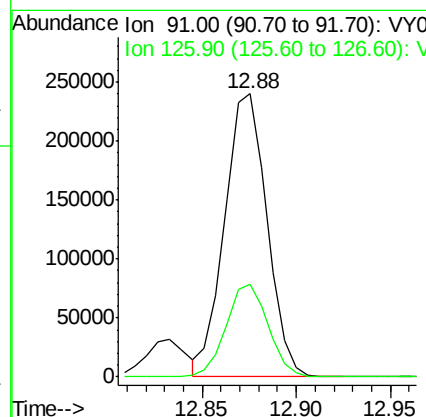
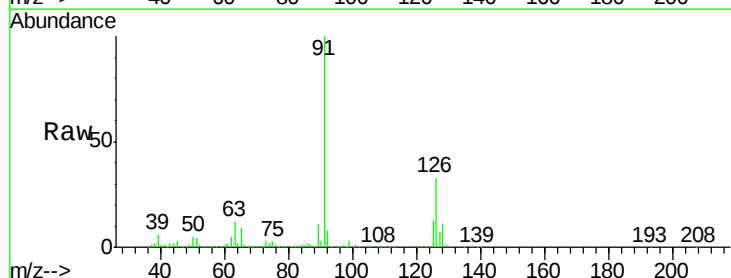
Manual Integrations  
APPROVED

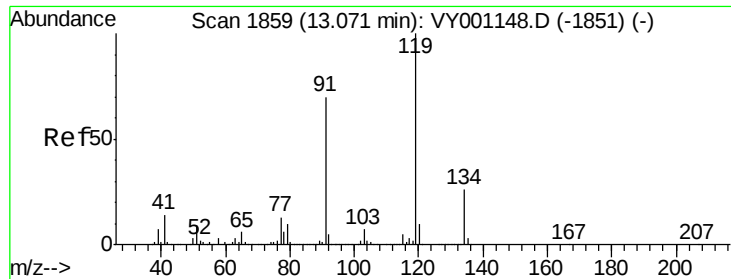
MMDadoda  
1/20/2020 11:06:34 AM



#82  
4-Chlorotoluene  
Concen: 46.862 ug/l  
RT: 12.88 min Scan# 1827  
Delta R.T. 0.02 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.6  | 16.3  | 48.8  |





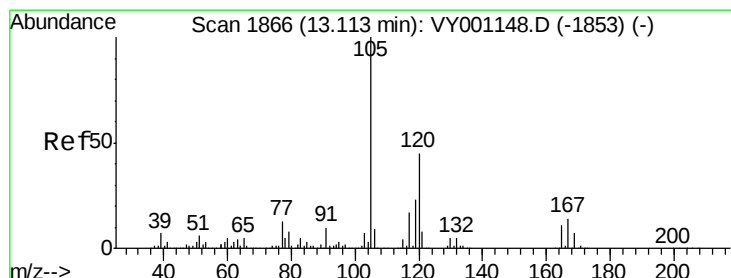
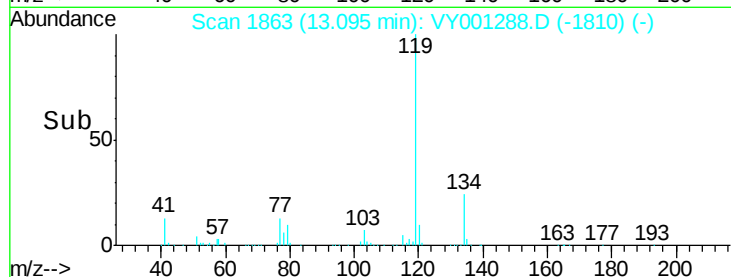
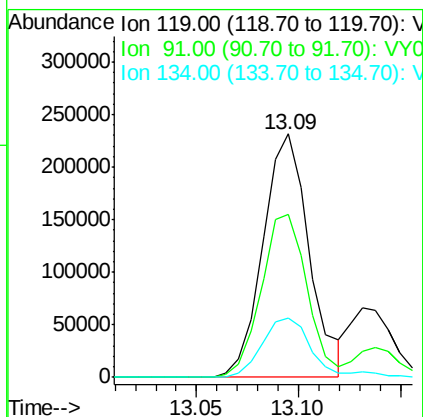
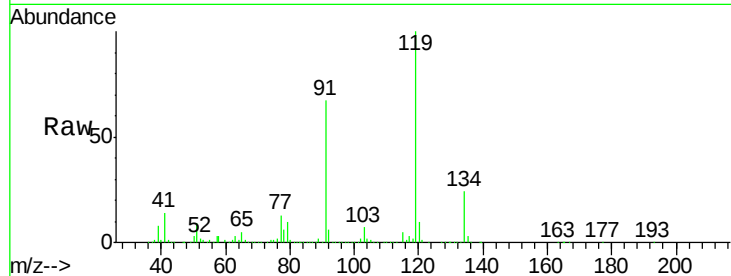
#83  
tert-Butylbenzene  
Concen: 48.306 ug/l  
RT: 13.09 min Scan# 1863  
Delta R.T. 0.02 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 66.4  | 33.9  | 101.7 |
| 134     | 26.6  | 13.5  | 40.4  |

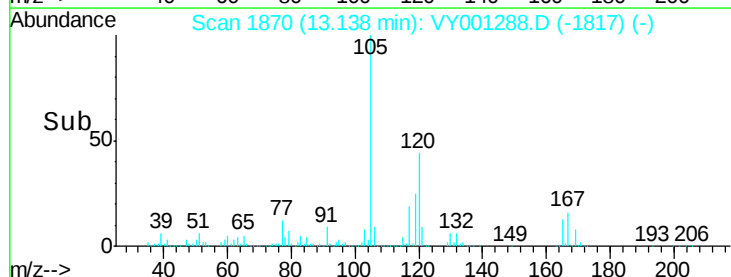
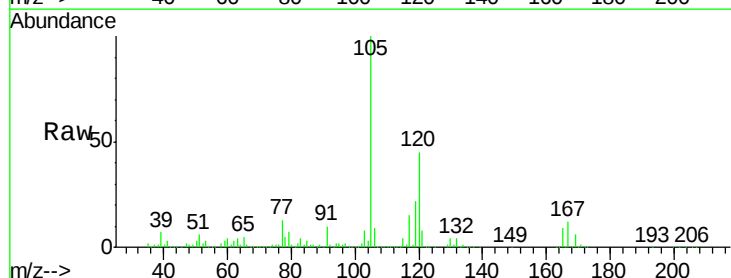
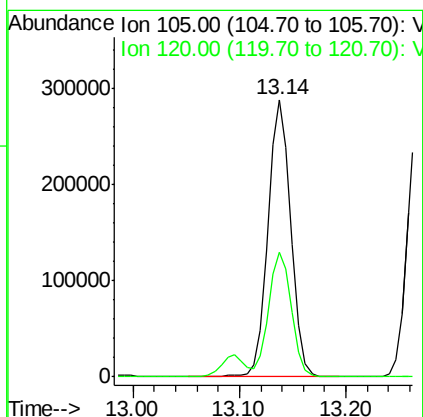
Manual Integrations  
APPROVED

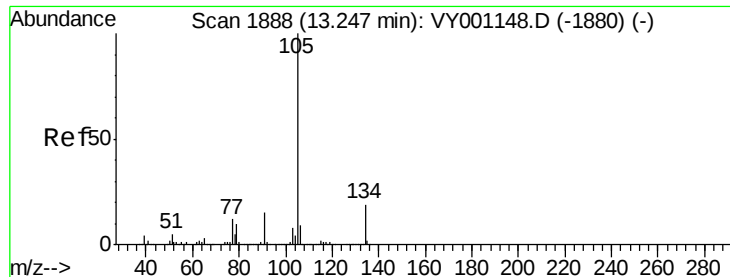
MMDadoda  
1/20/2020 11:06:34 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 48.266 ug/l  
RT: 13.14 min Scan# 1870  
Delta R.T. 0.02 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.7  | 22.8  | 68.3  |





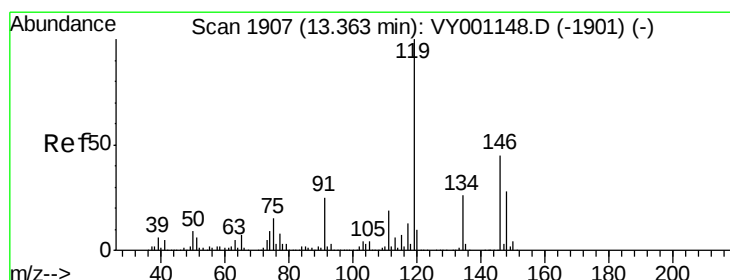
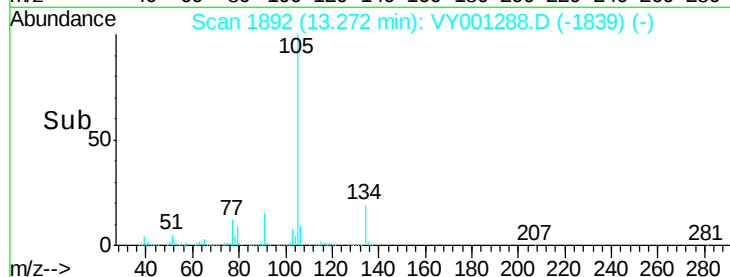
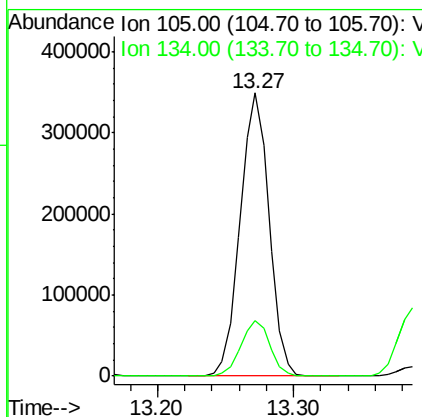
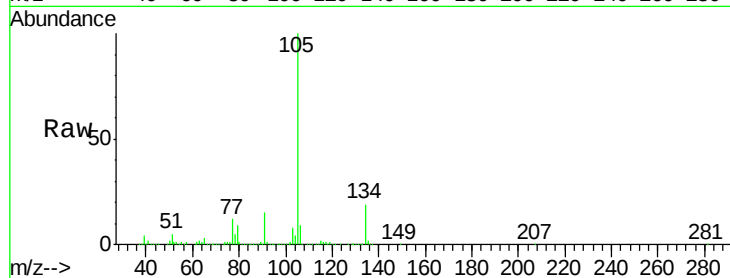
#85  
 sec-Butylbenzene  
 Concen: 47.539 ug/l  
 RT: 13.27 min Scan# 1892  
 Delta R.T. 0.02 min  
 Lab File: VY001288.D  
 Acq: 17 Jan 2020 23:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.6  | 9.8   | 29.5  |

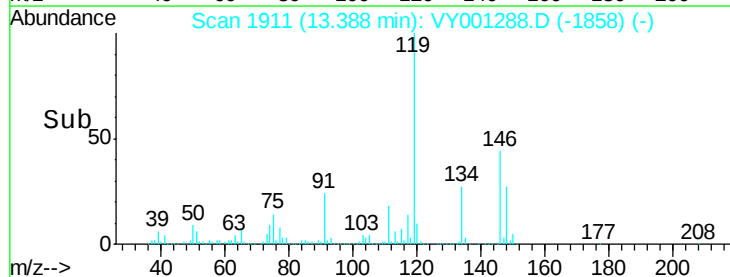
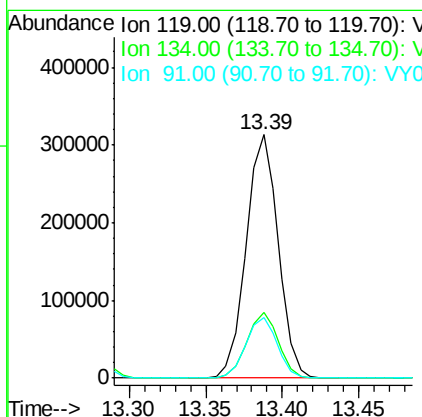
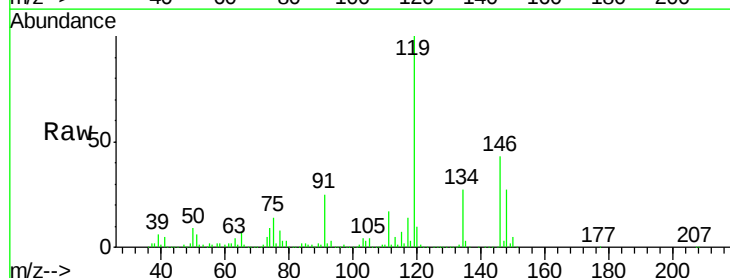
Manual Integrations  
 APPROVED

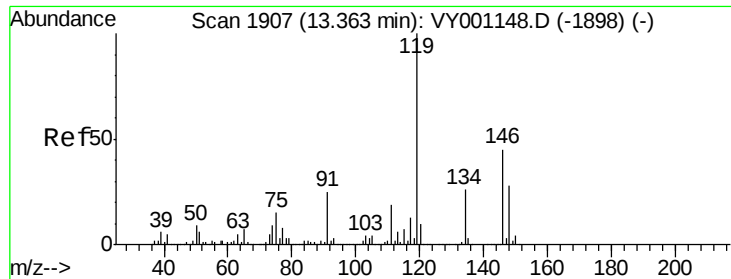
MMDadoda  
 1/20/2020 11:06:34 AM



#86  
 p-Isopropyltoluene  
 Concen: 48.036 ug/l  
 RT: 13.39 min Scan# 1911  
 Delta R.T. 0.02 min  
 Lab File: VY001288.D  
 Acq: 17 Jan 2020 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.7  | 13.4  | 40.2  |
| 91      | 24.6  | 12.4  | 37.2  |





#87

1,3-Dichlorobenzene

Concen: 49.173 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.02 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

Instrument :

MSVOA\_Y

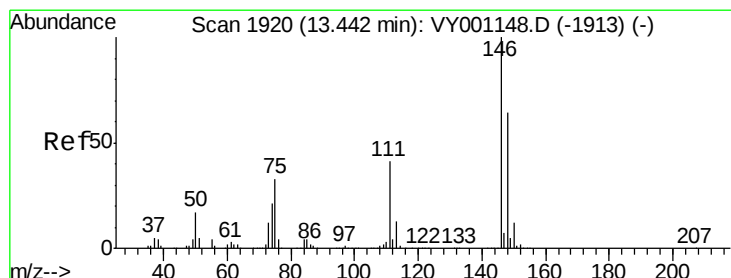
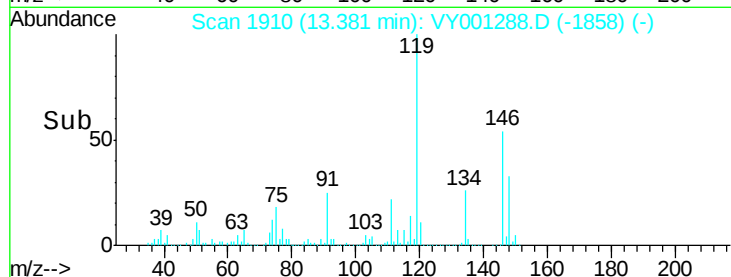
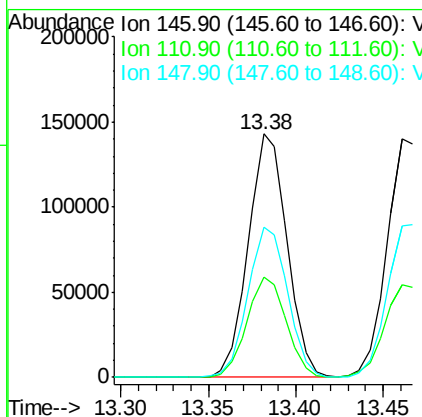
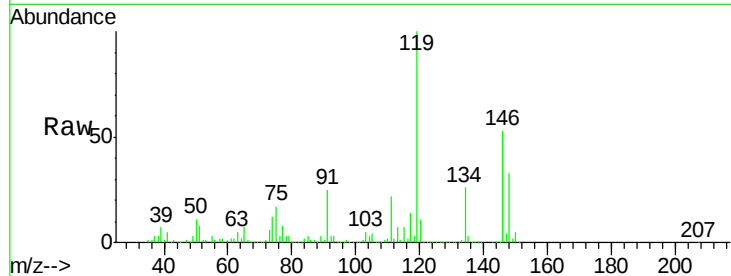
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 222084 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 41.6  | 21.3  | 64.0   |
| 148       | 63.2  | 31.9  | 95.5   |

Manual Integrations  
APPROVED

MMDadoda  
1/20/2020 11:06:34 AM



#88

1,4-Dichlorobenzene

Concen: 47.745 ug/l

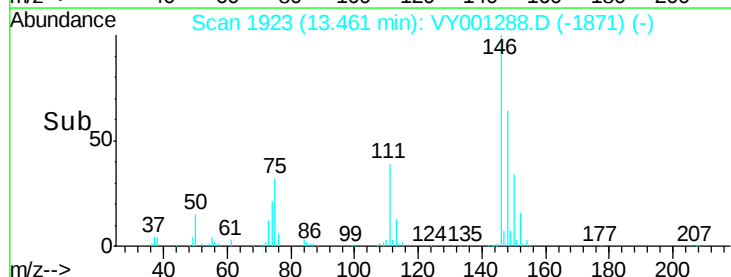
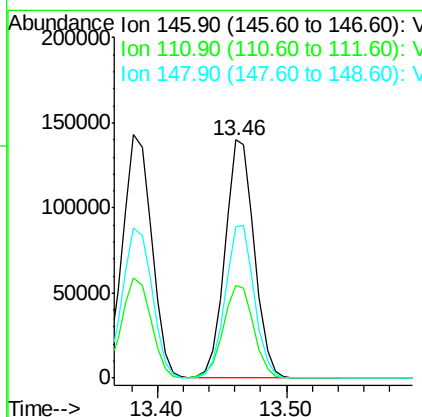
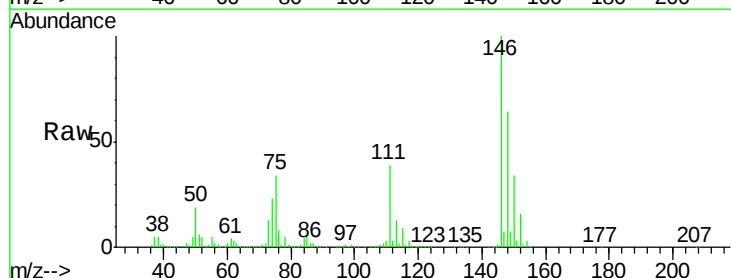
RT: 13.46 min Scan# 1923

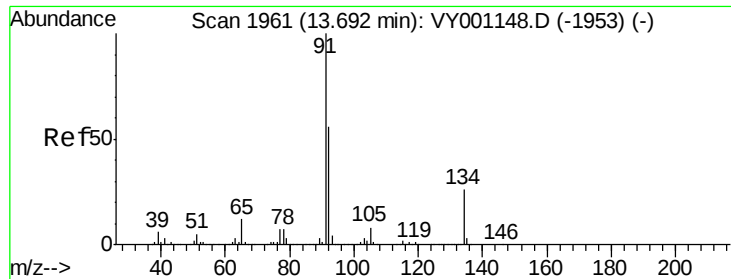
Delta R.T. 0.02 min

Lab File: VY001288.D

Acq: 17 Jan 2020 23:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 221931 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 39.9  | 20.8  | 62.5   |
| 148       | 63.7  | 32.0  | 96.2   |





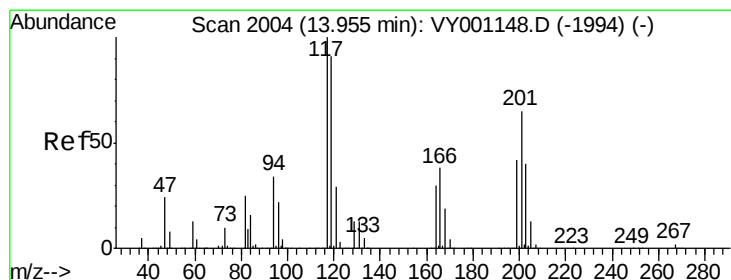
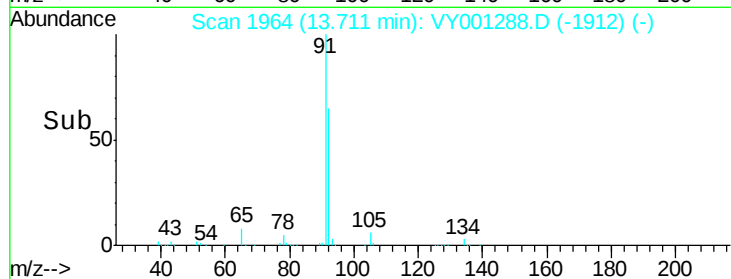
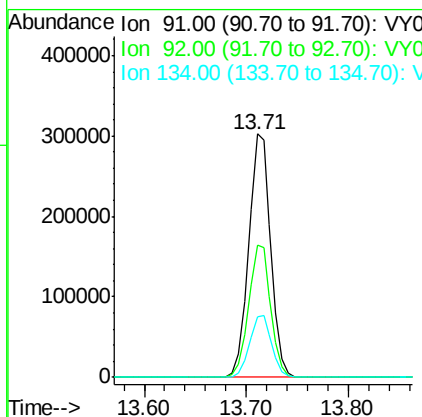
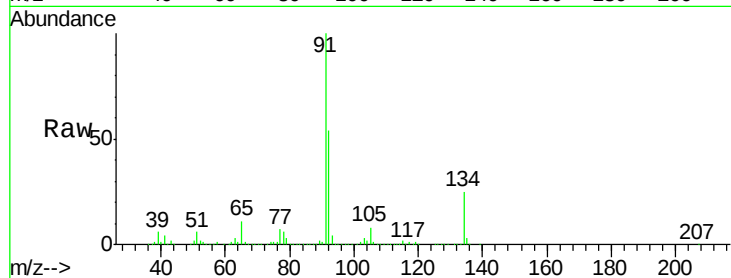
#89  
n-Butylbenzene  
Concen: 47.412 ug/l  
RT: 13.71 min Scan# 1964  
Delta R.T. 0.02 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.6  | 27.7  | 83.1  |
| 134     | 25.5  | 12.9  | 38.6  |

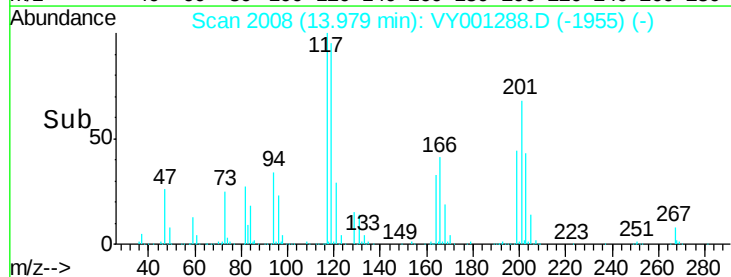
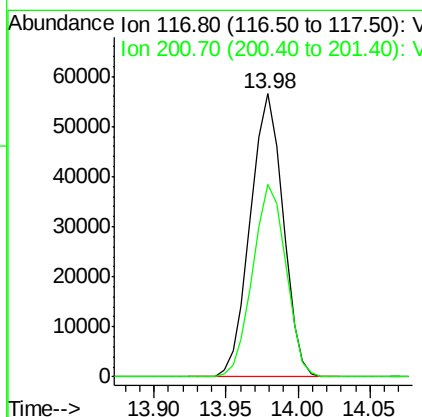
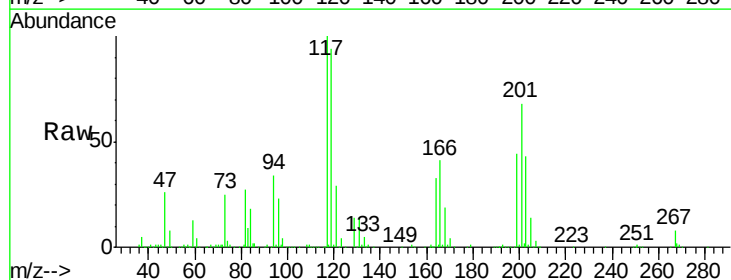
Manual Integrations  
APPROVED

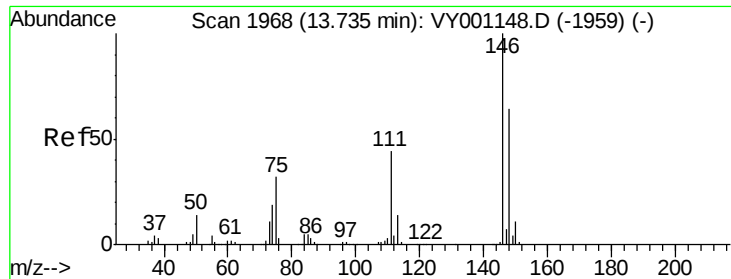
MMDadoda  
1/20/2020 11:06:34 AM



#90  
Hexachloroethane  
Concen: 48.288 ug/l  
RT: 13.98 min Scan# 2008  
Delta R.T. 0.02 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 68.8  | 35.4  | 106.2 |





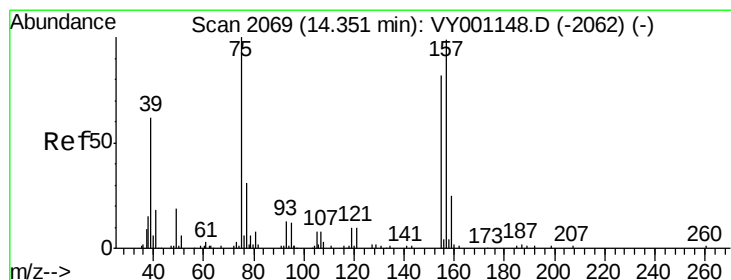
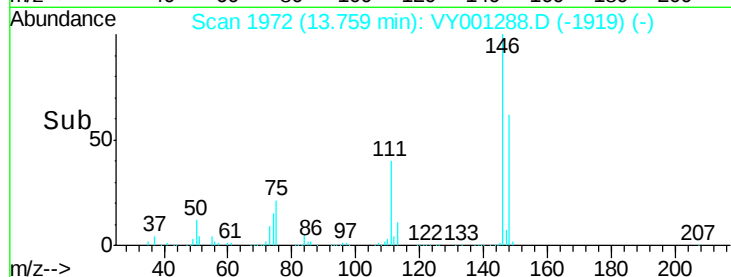
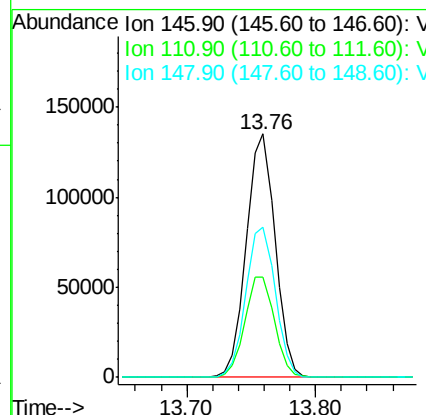
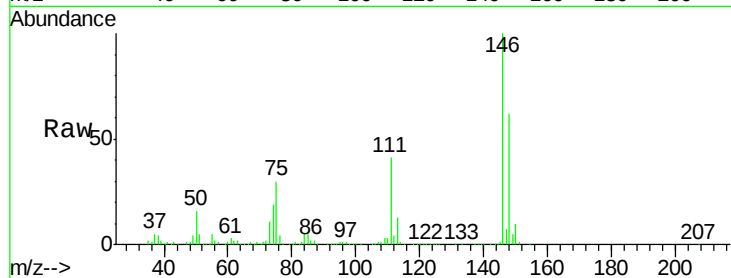
#91  
 1,2-Dichlorobenzene  
 Concen: 49.557 ug/l  
 RT: 13.76 min Scan# 1972  
 Delta R.T. 0.02 min  
 Lab File: VY001288.D  
 Acq: 17 Jan 2020 23:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.6  | 22.0  | 66.0  |
| 148     | 63.4  | 32.1  | 96.3  |

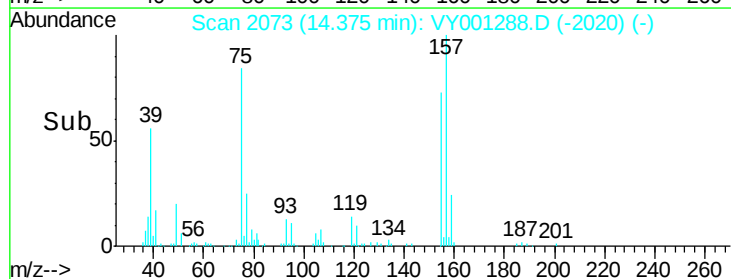
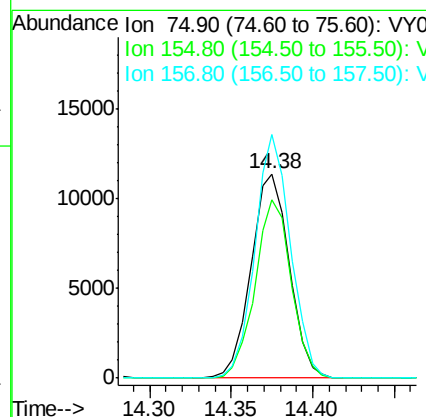
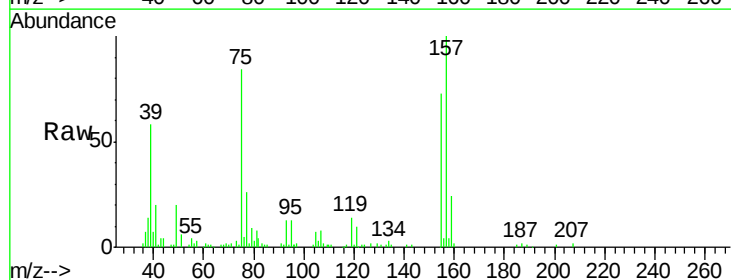
Manual Integrations  
 APPROVED

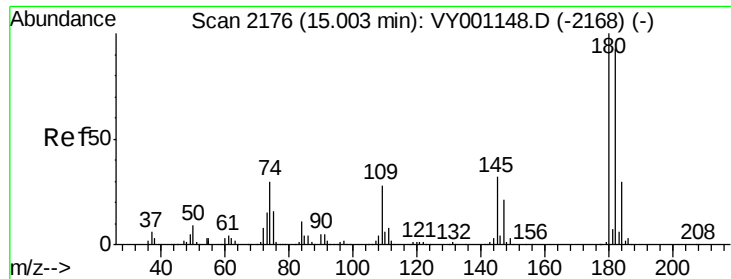
MMDadoda  
 1/20/2020 11:06:34 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 45.020 ug/l  
 RT: 14.38 min Scan# 2073  
 Delta R.T. 0.02 min  
 Lab File: VY001288.D  
 Acq: 17 Jan 2020 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 82.8  | 41.2  | 123.6 |
| 157     | 111.2 | 52.8  | 158.4 |





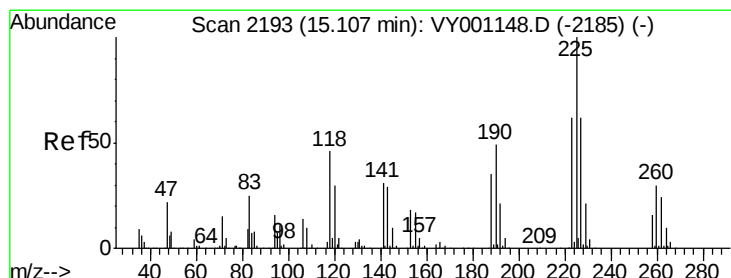
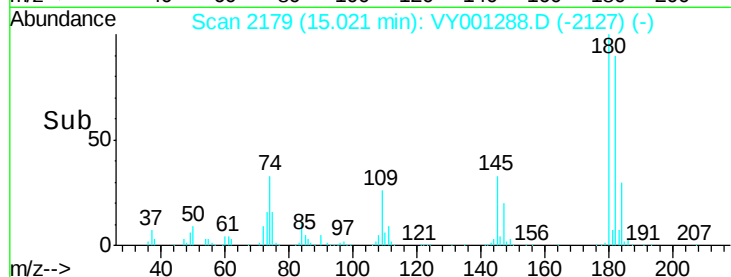
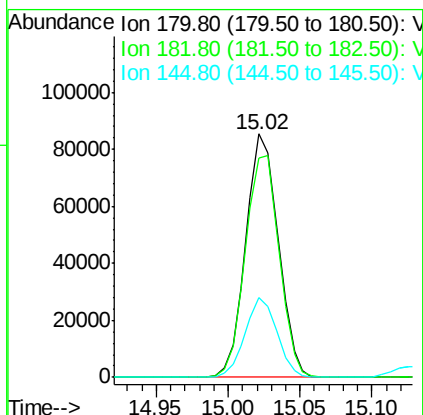
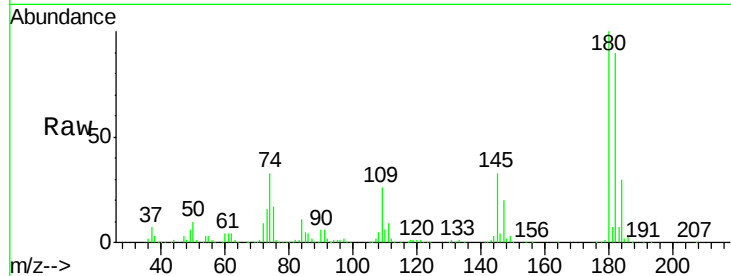
#93  
 1,2,4-Trichlorobenzene  
 Concen: 48.230 ug/l  
 RT: 15.02 min Scan# 2179  
 Delta R.T. 0.02 min  
 Lab File: VY001288.D  
 Acq: 17 Jan 2020 23:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 133381 |       |       |
| 182     | 94.7  | 46.9   | 140.8 |       |
| 145     | 32.3  | 16.0   | 48.0  |       |

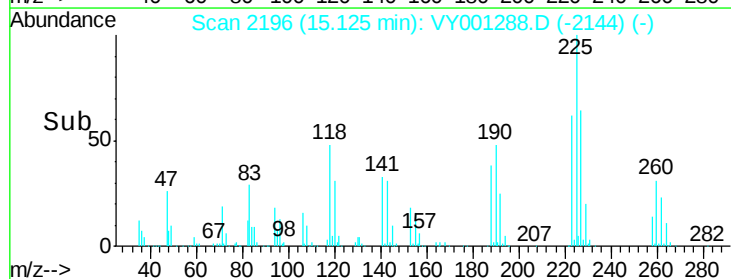
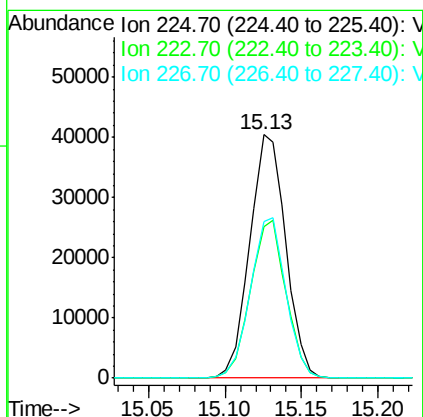
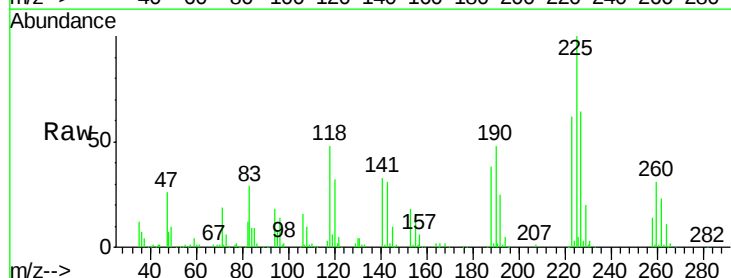
Manual Integrations  
 APPROVED

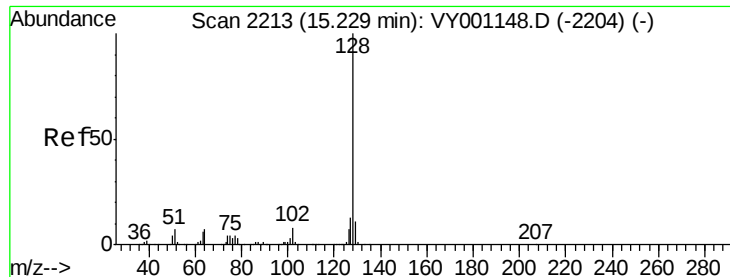
MMDadoda  
 1/20/2020 11:06:34 AM



#94  
 Hexachlorobutadiene  
 Concen: 47.561 ug/l  
 RT: 15.13 min Scan# 2196  
 Delta R.T. 0.02 min  
 Lab File: VY001288.D  
 Acq: 17 Jan 2020 23:50

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 66263 |       |       |
| 223     | 63.9  | 31.1  | 93.3  |       |
| 227     | 64.5  | 31.3  | 93.9  |       |





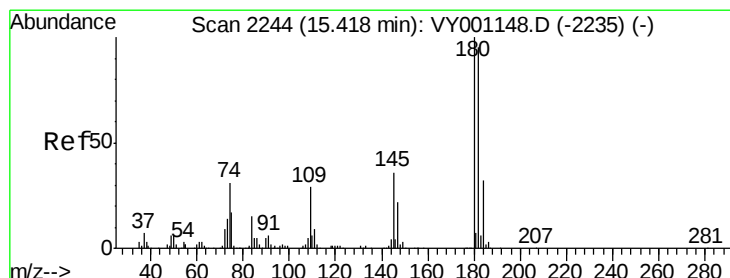
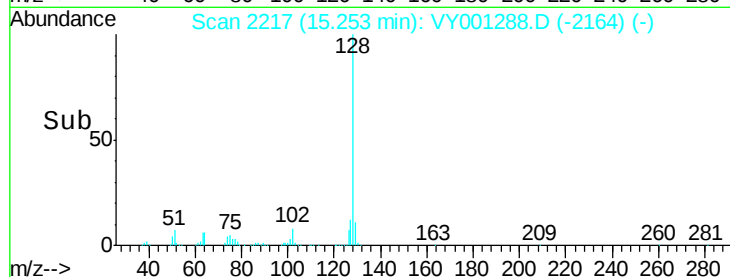
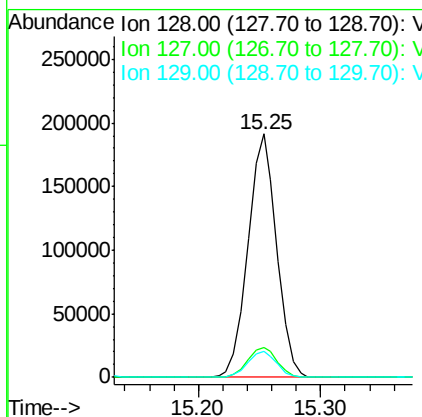
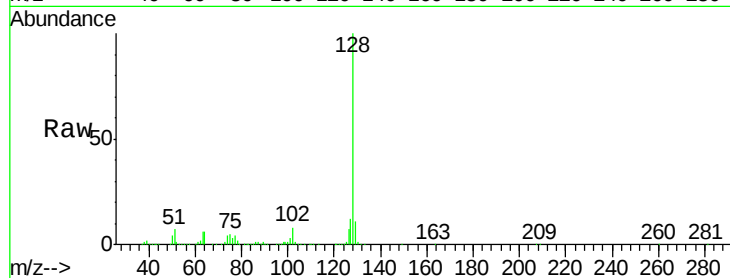
#95  
Naphthalene  
Concen: 48.258 ug/l  
RT: 15.25 min Scan# 2217  
Delta R.T. 0.02 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.6  | 10.2  | 15.4  |
| 129     | 10.9  | 8.5   | 12.7  |

Manual Integrations  
APPROVED

MMDadoda  
1/20/2020 11:06:34 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 48.600 ug/l  
RT: 15.44 min Scan# 2248  
Delta R.T. 0.02 min  
Lab File: VY001288.D  
Acq: 17 Jan 2020 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.1  | 47.5  | 142.5 |
| 145     | 33.8  | 17.1  | 51.3  |

