

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY043020\  
 Data File : VY002515.D  
 Acq On : 30 Apr 2020 16:05  
 Operator : SY/MD  
 Sample : VSTDIC150  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

Manual Integrations  
 APPROVED

MMDadoda  
 5/5/2020 4:31:13 PM

Quant Time: May 04 12:18:28 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 04 12:07:53 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 360256   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.70  | 114  | 540490   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.50 | 117  | 490255   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.43 | 152  | 241492   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.16   | 65  | 460938   | 152.17 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 304.34% |      |
| 35) Dibromofluoromethane  | 7.74   | 113 | 462251   | 149.54 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 299.08% |      |
| 50) Toluene-d8            | 10.19  | 98  | 1818388  | 150.64 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 301.28% |      |
| 62) 4-Bromofluorobenzene  | 12.49  | 95  | 607333   | 148.27 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 296.54% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.91 | 85  | 451063  | 164.869 | ug/l | 98     |
| 3) Chloromethane              | 2.12 | 50  | 456614  | 156.443 | ug/l | 100    |
| 4) Vinyl Chloride             | 2.26 | 62  | 524063  | 155.496 | ug/l | 99     |
| 5) Bromomethane               | 2.64 | 94  | 352142  | 151.512 | ug/l | 99     |
| 6) Chloroethane               | 2.80 | 64  | 311489  | 154.787 | ug/l | 100    |
| 7) Trichlorofluoromethane     | 3.13 | 101 | 816861  | 156.385 | ug/l | 99     |
| 8) Diethyl Ether              | 3.54 | 74  | 281719  | 160.495 | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.91 | 101 | 487910  | 152.836 | ug/l | 99     |
| 10) Methyl Iodide             | 4.11 | 142 | 723969  | 166.458 | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.99 | 59  | 216623  | 695.102 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 3.88 | 96  | 480881  | 155.059 | ug/l | 99     |
| 13) Acrolein                  | 3.74 | 56  | 182809  | 848.295 | ug/l | 96     |
| 14) Allyl chloride            | 4.50 | 41  | 707196  | 156.508 | ug/l | 99     |
| 15) Acrylonitrile             | 5.19 | 53  | 644235  | 778.276 | ug/l | 100    |
| 16) Acetone                   | 3.96 | 43  | 484395  | 774.859 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.21 | 76  | 1509318 | 161.773 | ug/l | 100    |
| 18) Methyl Acetate            | 4.49 | 43  | 317562  | 152.035 | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.24 | 73  | 1270607 | 157.036 | ug/l | 98     |
| 20) Methylene Chloride        | 4.74 | 84  | 501937  | 143.581 | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.24 | 96  | 525832  | 155.130 | ug/l | 97     |
| 22) Diisopropyl ether         | 6.14 | 45  | 1377270 | 150.640 | ug/l | 98     |
| 23) Vinyl Acetate             | 6.08 | 43  | 4482994 | 779.667 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 6.04 | 63  | 830812  | 153.602 | ug/l | 99     |
| 25) 2-Butanone                | 7.00 | 43  | 782314  | 764.490 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 7.00 | 77  | 762694  | 148.347 | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 7.00 | 96  | 574518  | 153.181 | ug/l | 99     |
| 28) Bromochloromethane        | 7.35 | 49  | 333821  | 150.633 | ug/l | 98     |
| 29) Tetrahydrofuran           | 7.36 | 42  | 520853  | 769.306 | ug/l | 98     |
| 30) Chloroform                | 7.52 | 83  | 863490  | 153.537 | ug/l | 100    |
| 31) Cyclohexane               | 7.80 | 56  | 794064  | 145.848 | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 7.72 | 97  | 817086  | 156.310 | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.93 | 75  | 693740  | 153.110 | ug/l | 99     |
| 37) Ethyl Acetate             | 7.09 | 43  | 355000  | 152.467 | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.91 | 117 | 774303  | 156.528 | ug/l | 100    |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY043020\  
 Data File : VY002515.D  
 Acq On : 30 Apr 2020 16:05  
 Operator : SY/MD  
 Sample : VSTDICC150  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

MMDadoda  
 5/5/2020 4:31:13 PM

Quant Time: May 04 12:18:28 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 04 12:07:53 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min) |
|--------------------------------|-------|------|----------|----------|-------|----------|
| 39) Methylcyclohexane          | 9.19  | 83   | 933534   | 155.991  | ug/l  | 99       |
| 40) Benzene                    | 8.18  | 78   | 2012847  | 153.812  | ug/l  | 100      |
| 41) Methacrylonitrile          | 7.34  | 41   | 198222m  | 162.864  | ug/l  |          |
| 42) 1,2-Dichloroethane         | 8.25  | 62   | 565859   | 154.154  | ug/l  | 100      |
| 43) Isopropyl Acetate          | 8.28  | 43   | 692208   | 158.581  | ug/l  | 99       |
| 44) Trichloroethene            | 8.95  | 130  | 622683   | 152.256  | ug/l  | 98       |
| 45) 1,2-Dichloropropane        | 9.23  | 63   | 480963   | 152.283  | ug/l  | 100      |
| 46) Dibromomethane             | 9.32  | 93   | 279941   | 154.052  | ug/l  | 99       |
| 47) Bromodichloromethane       | 9.50  | 83   | 688866   | 155.903  | ug/l  | 98       |
| 48) Methyl methacrylate        | 9.30  | 41   | 319280   | 161.622  | ug/l  | 99       |
| 49) 1,4-Dioxane                | 9.31  | 88   | 76350    | 3173.295 | ug/l  | 99       |
| 51) 4-Methyl-2-Pentanone       | 10.08 | 43   | 1746269  | 776.156  | ug/l  | 100      |
| 52) Toluene                    | 10.25 | 92   | 1292351  | 153.662  | ug/l  | 98       |
| 53) t-1,3-Dichloropropene      | 10.47 | 75   | 736562   | 159.100  | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene    | 9.94  | 75   | 832329   | 155.518  | ug/l  | 99       |
| 55) 1,1,2-Trichloroethane      | 10.65 | 97   | 404107   | 152.495  | ug/l  | 98       |
| 56) Ethyl methacrylate         | 10.52 | 69   | 565309   | 160.359  | ug/l  | 100      |
| 57) 1,3-Dichloropropane        | 10.80 | 76   | 686218   | 152.699  | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.79  | 63   | 1414519  | 760.876  | ug/l  | 100      |
| 59) 2-Hexanone                 | 10.84 | 43   | 1208844  | 780.638  | ug/l  | 100      |
| 60) Dibromochloromethane       | 10.99 | 129  | 531764   | 157.774  | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 11.10 | 107  | 407214   | 155.193  | ug/l  | 99       |
| 64) Tetrachloroethene          | 10.72 | 164  | 652413   | 149.777  | ug/l  | 97       |
| 65) Chlorobenzene              | 11.52 | 112  | 1419470  | 152.308  | ug/l  | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.60 | 131  | 542270   | 156.747  | ug/l  | 99       |
| 67) Ethyl Benzene              | 11.60 | 91   | 2518168  | 153.821  | ug/l  | 99       |
| 68) m/p-Xylenes                | 11.71 | 106  | 1950883  | 307.991  | ug/l  | 100      |
| 69) o-Xylene                   | 12.03 | 106  | 917766   | 154.744  | ug/l  | 99       |
| 70) Styrene                    | 12.05 | 104  | 1586421  | 156.468  | ug/l  | 100      |
| 71) Bromoform                  | 12.21 | 173  | 342926   | 159.707  | ug/l  | 100      |
| 73) Isopropylbenzene           | 12.33 | 105  | 2457082  | 156.992  | ug/l  | 100      |
| 74) N-amyl acetate             | 12.14 | 43   | 612180   | 162.601  | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.59 | 83   | 399207   | 160.384  | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane     | 12.64 | 75   | 303688m  | 140.884  | ug/l  |          |
| 77) Bromobenzene               | 12.61 | 156  | 613882   | 156.993  | ug/l  | 100      |
| 78) n-propylbenzene            | 12.67 | 91   | 2816660  | 155.080  | ug/l  | 99       |
| 79) 2-Chlorotoluene            | 12.76 | 91   | 1566865  | 155.739  | ug/l  | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.81 | 105  | 2024059  | 156.015  | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 173384   | 162.003  | ug/l  | 99       |
| 82) 4-Chlorotoluene            | 12.86 | 91   | 1627037  | 153.957  | ug/l  | 99       |
| 83) tert-Butylbenzene          | 13.08 | 119  | 1798639  | 158.116  | ug/l  | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.13 | 105  | 2010424  | 155.491  | ug/l  | 99       |
| 85) sec-Butylbenzene           | 13.26 | 105  | 2406544  | 152.459  | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 13.38 | 119  | 2267775  | 153.329  | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene        | 13.37 | 146  | 1136266  | 153.533  | ug/l  | 100      |
| 88) 1,4-Dichlorobenzene        | 13.45 | 146  | 1120070  | 152.843  | ug/l  | 100      |
| 89) n-Butylbenzene             | 13.70 | 91   | 2022553  | 150.216  | ug/l  | 100      |
| 90) Hexachloroethane           | 13.97 | 117  | 425939   | 158.138  | ug/l  | 98       |
| 91) 1,2-Dichlorobenzene        | 13.74 | 146  | 1012328  | 153.296  | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.36 | 75   | 73665    | 158.767  | ug/l  | 100      |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY043020\  
Data File : VY002515.D  
Acq On : 30 Apr 2020 16:05  
Operator : SY/MD  
Sample : VSTDICC150  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150

Manual Integrations  
APPROVED

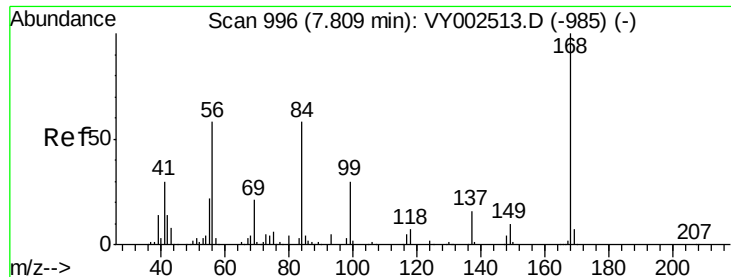
MMDadoda  
5/5/2020 4:31:13 PM

Quant Time: May 04 12:18:28 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
Quant Title : SW846 8260  
QLast Update : Mon May 04 12:07:53 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.01 | 180  | 731843   | 152.645 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.12 | 225  | 428119   | 148.762 | ug/l  | 99       |
| 95) Naphthalene            | 15.24 | 128  | 1415334  | 161.823 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.43 | 180  | 638532   | 156.884 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 360256

Ion Ratio Lower Upper

168 100

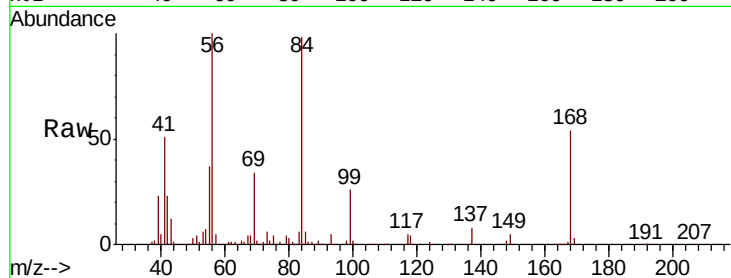
99 48.3 39.2 58.8

Manual Integrations

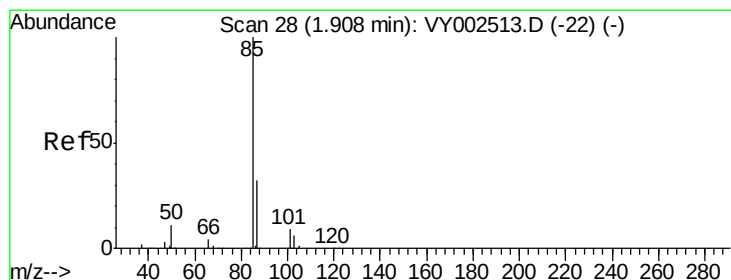
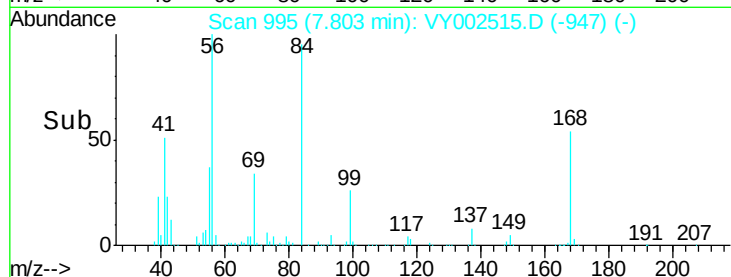
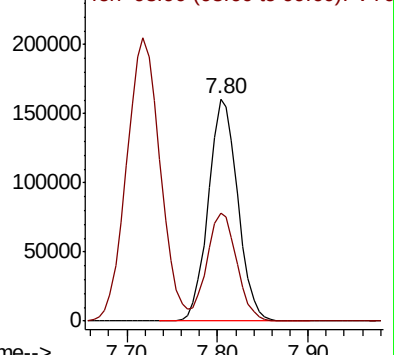
APPROVED

MMDadoda

5/5/2020 4:31:13 PM



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)



#2

Dichlorodifluoromethane

Concen: 164.869 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002515.D

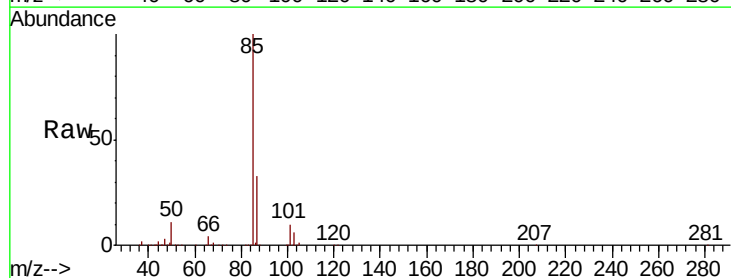
Acq: 30 Apr 2020 16:05

Tgt Ion: 85 Resp: 451063

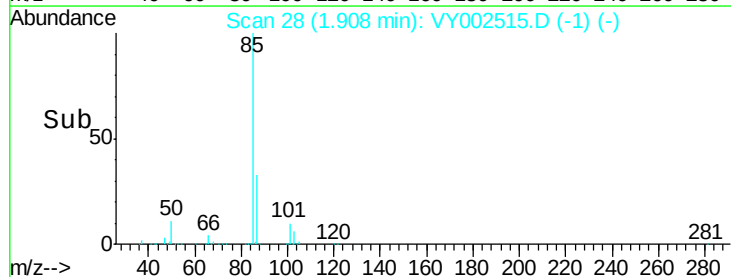
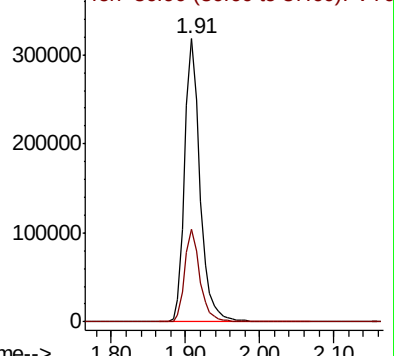
Ion Ratio Lower Upper

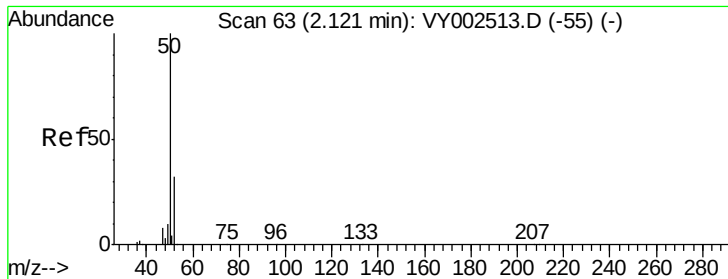
85 100

87 32.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)





#3

Chloromethane

Concen: 156.443 ug/l

RT: 2.12 min Scan# 63

Delta R.T. 0.00 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 456614

Ion Ratio Lower Upper

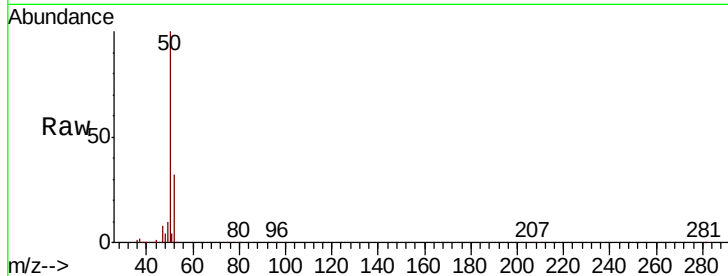
50 100

52 32.3 25.9 38.9

Manual Integrations  
APPROVED

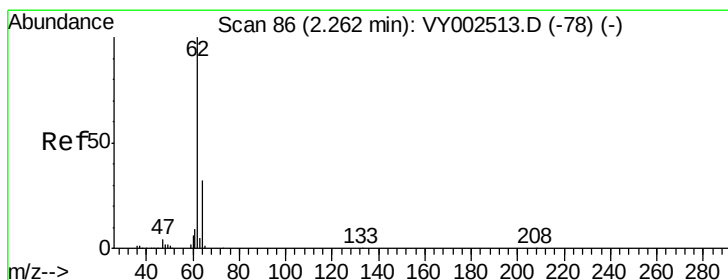
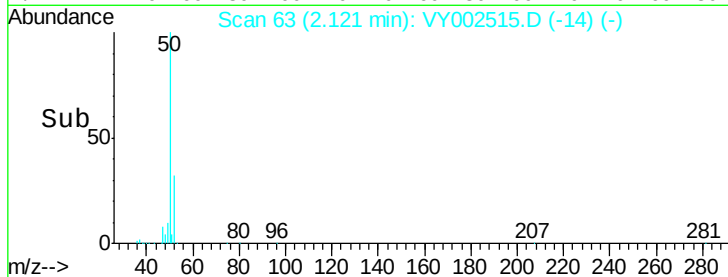
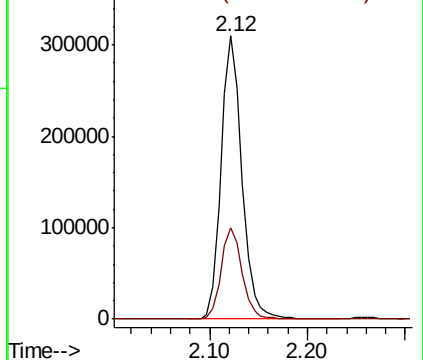
MMDadoda

5/5/2020 4:31:13 PM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 155.496 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY002515.D

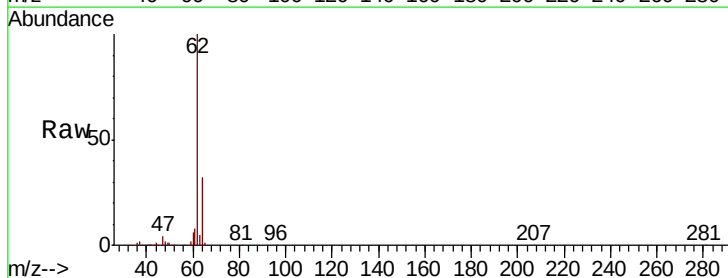
Acq: 30 Apr 2020 16:05

Tgt Ion: 62 Resp: 524063

Ion Ratio Lower Upper

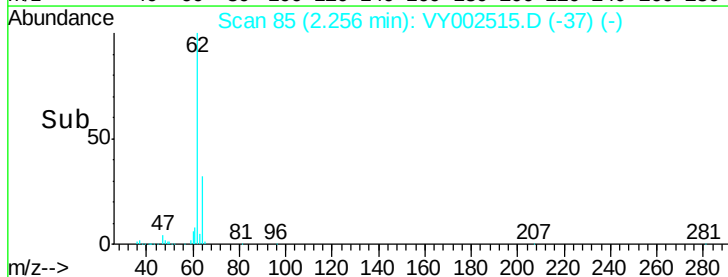
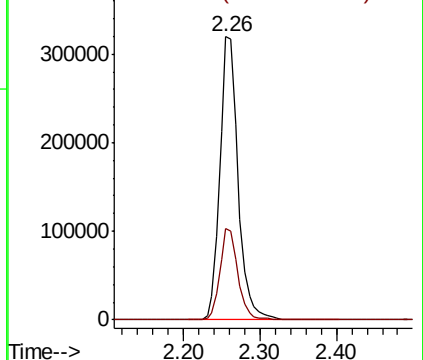
62 100

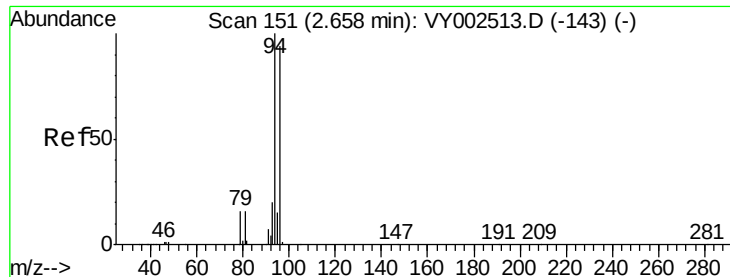
64 32.1 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 151.512 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.02 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 352142

Ion Ratio Lower Upper

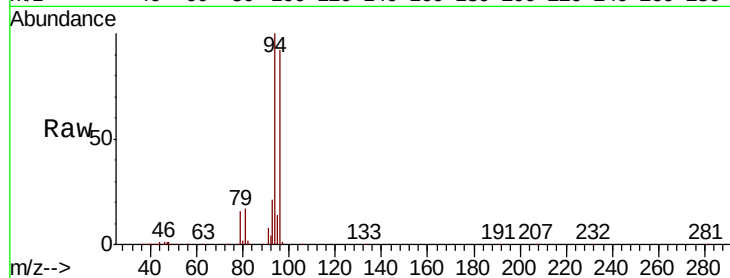
94 100

96 92.2 74.9 112.3

Manual Integrations  
APPROVED

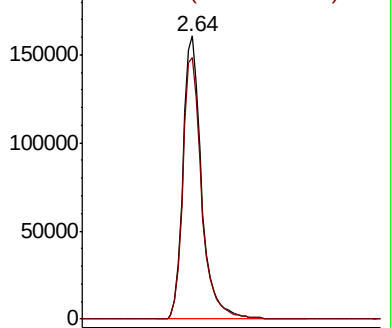
MMDadoda

5/5/2020 4:31:13 PM

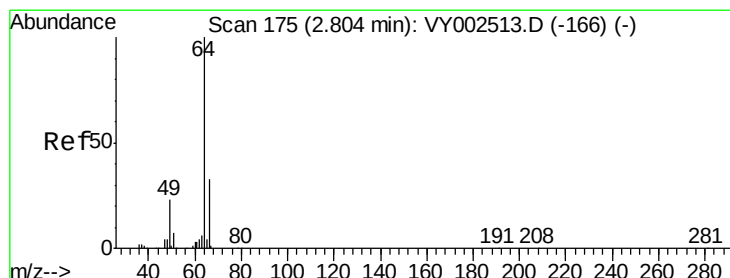
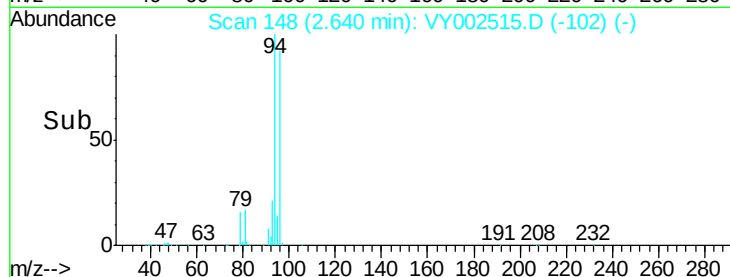


Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



Time-->



#6

Chloroethane

Concen: 154.787 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY002515.D

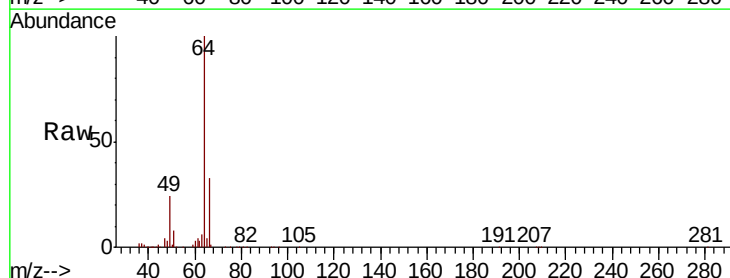
Acq: 30 Apr 2020 16:05

Tgt Ion: 64 Resp: 311489

Ion Ratio Lower Upper

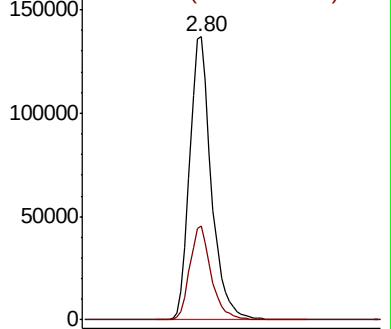
64 100

66 33.0 26.3 39.5

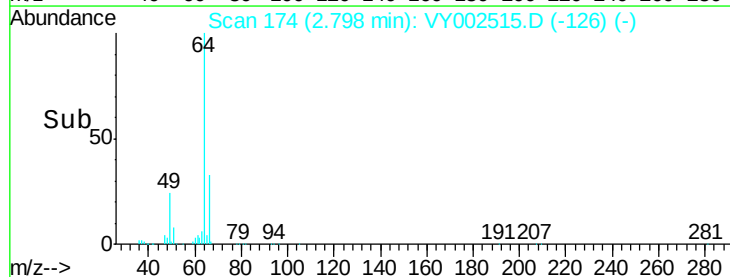


Abundance Ion 63.90 (63.60 to 64.60): VY0

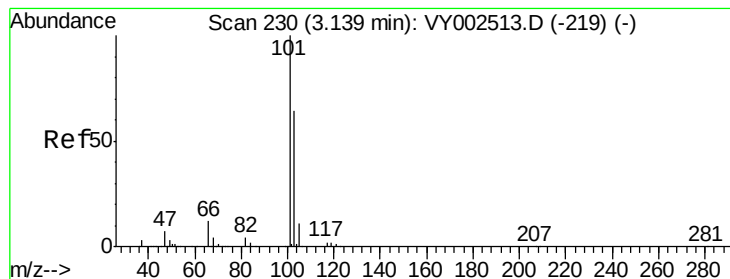
Ion 65.90 (65.60 to 66.60): VY0



Time-->







#7

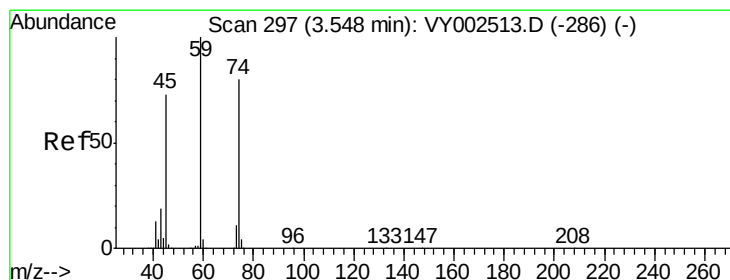
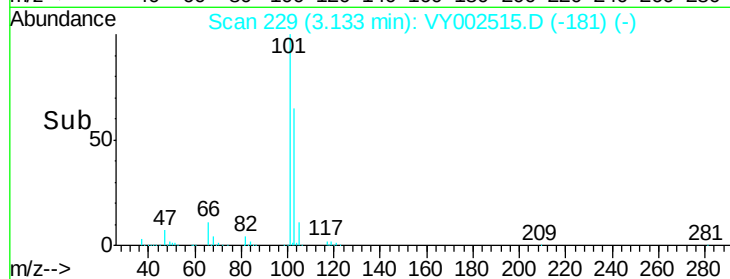
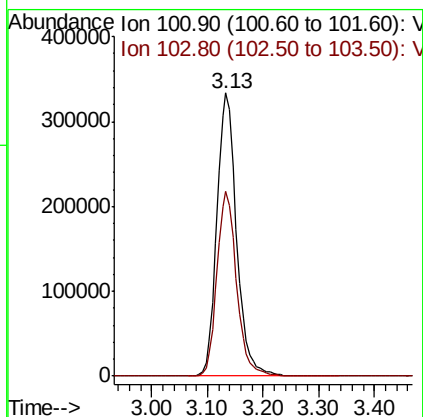
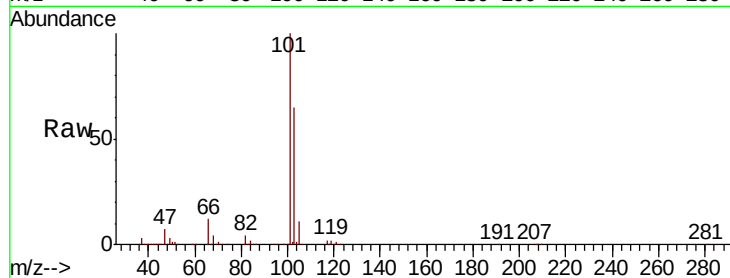
Trichlorofluoromethane  
Concen: 156.385 ug/l  
RT: 3.13 min Scan# 229  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 816861 |       |       |
| 103     | 65.1  | 51.4   | 77.0  |       |

Manual Integrations  
APPROVED

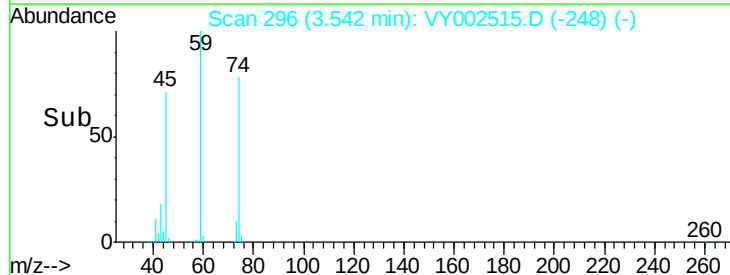
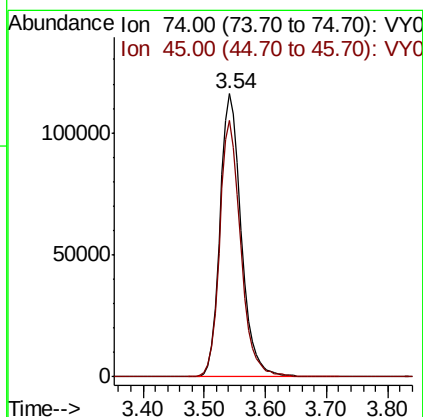
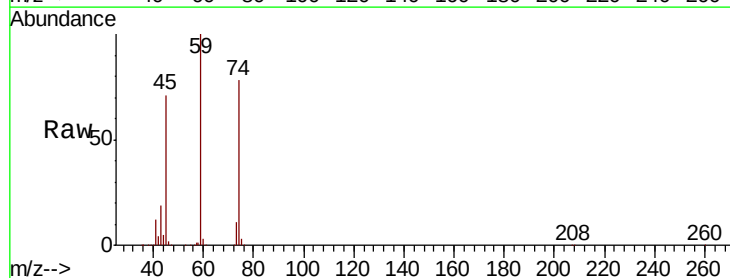
MMDadoda  
5/5/2020 4:31:13 PM



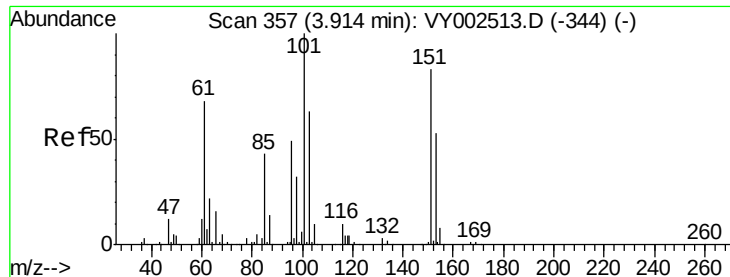
#8

Diethyl Ether  
Concen: 160.495 ug/l  
RT: 3.54 min Scan# 296  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 74      | 100   | 281719 |       |       |
| 45      | 89.7  | 46.2   | 138.5 |       |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 152.836 ug/l

RT: 3.91 min Scan# 357

Delta R.T. 0.00 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

Instrument :

MSVOA\_Y

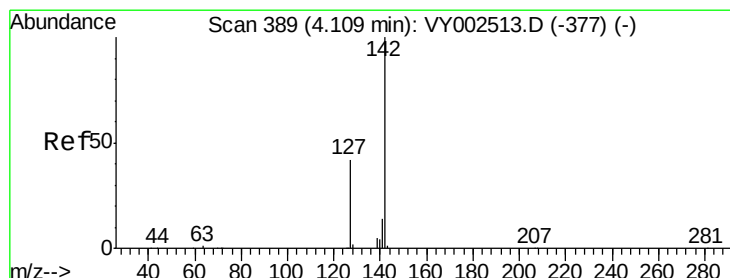
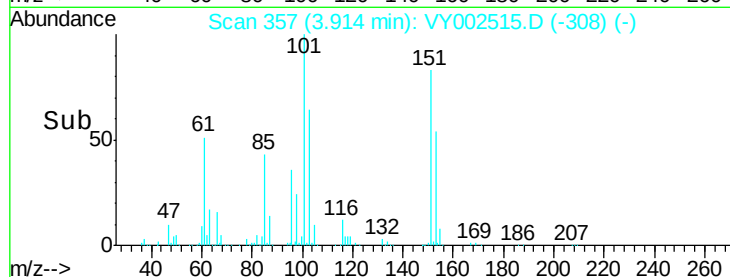
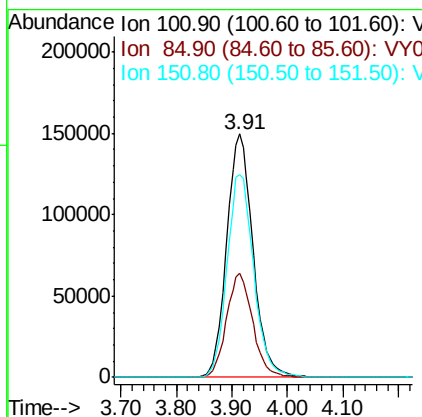
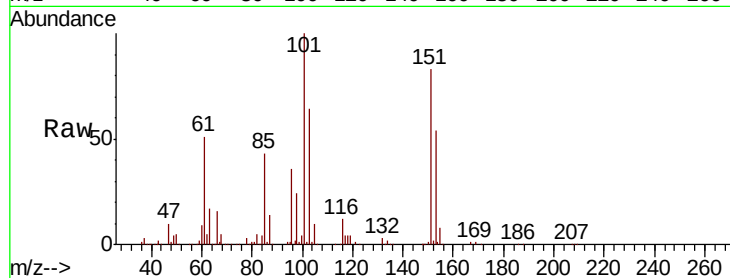
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 487910 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.6  | 33.4  | 50.2   |
| 151       | 85.0  | 66.8  | 100.2  |

Manual Integrations  
APPROVED

MMDadoda  
5/5/2020 4:31:13 PM



#10

Methyl Iodide

Concen: 166.458 ug/l

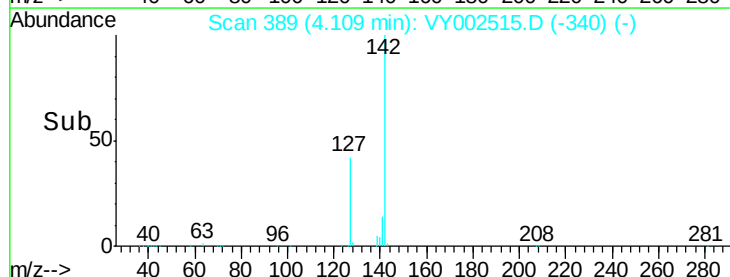
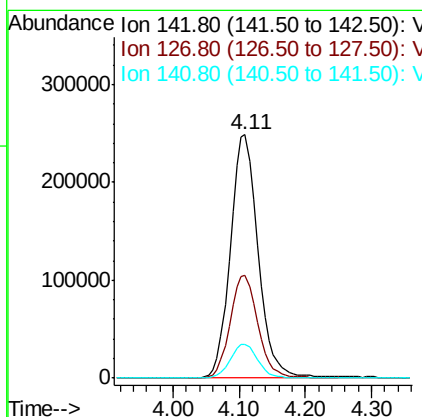
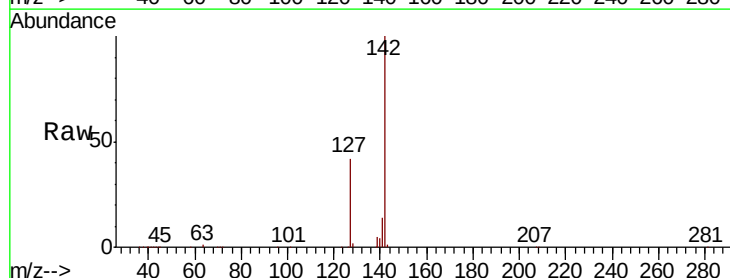
RT: 4.11 min Scan# 389

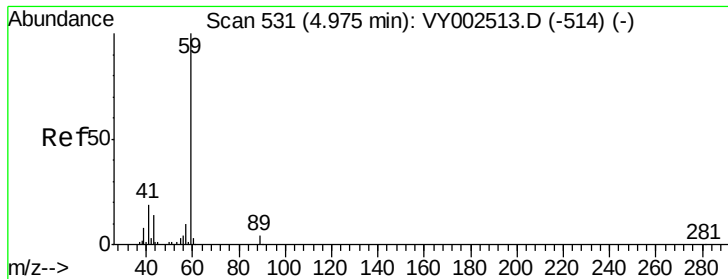
Delta R.T. 0.00 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 723969 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 42.5  | 33.7  | 50.5   |
| 141       | 14.1  | 11.4  | 17.0   |





#11

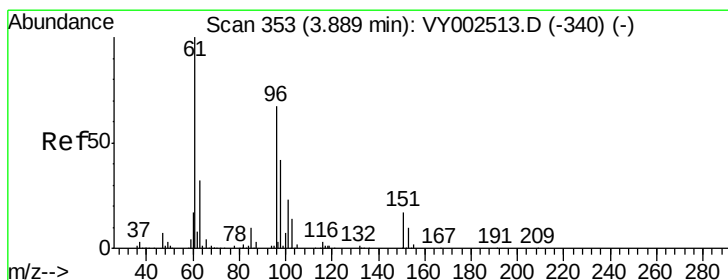
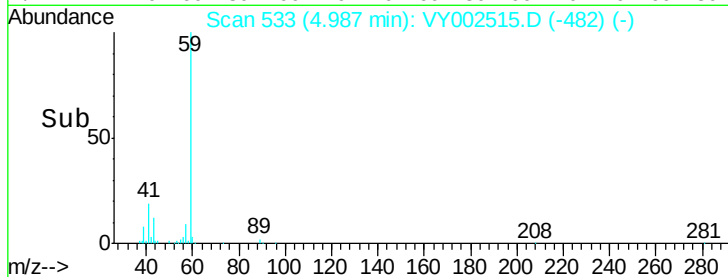
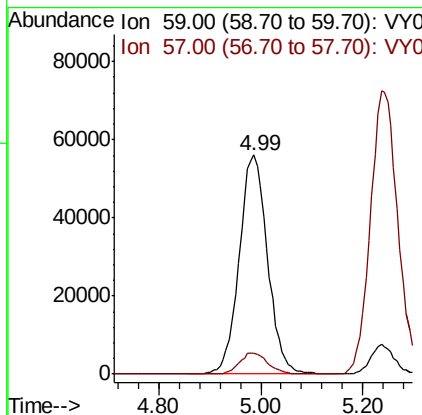
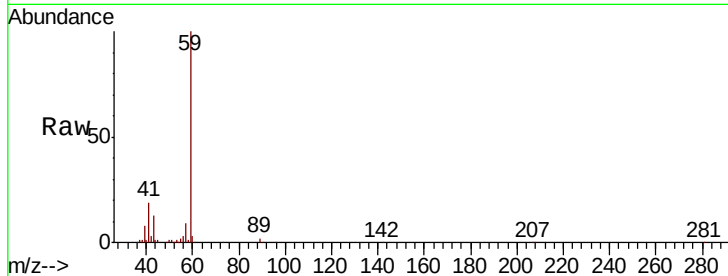
Tert butyl alcohol  
Concen: 695.102 ug/l  
RT: 4.99 min Scan# 533  
Delta R.T. 0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

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

Manual Integrations  
APPROVED

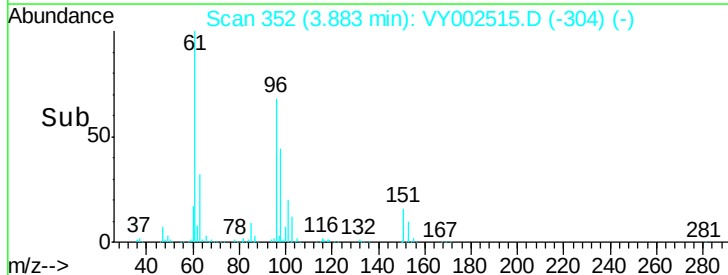
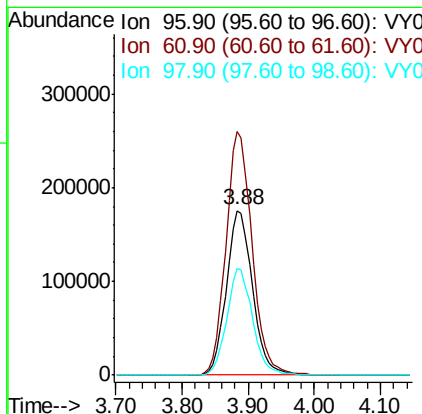
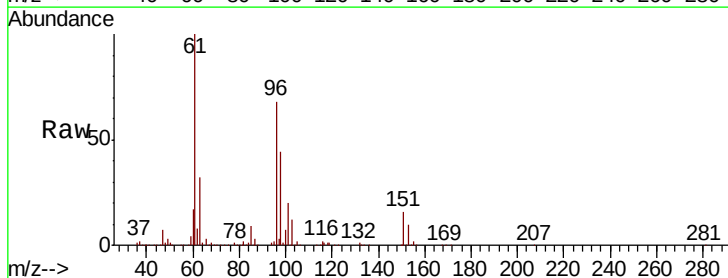
MMDadoda  
5/5/2020 4:31:13 PM

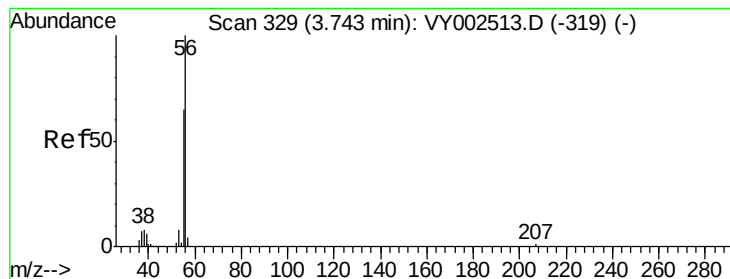


#12

1,1-Dichloroethene  
Concen: 155.059 ug/l  
RT: 3.88 min Scan# 352  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 148.0 | 118.8 | 178.2 |
| 98      | 64.5  | 49.6  | 74.4  |





#13

Acrolein

Concen: 848.295 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.00 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 182809

Ion Ratio Lower Upper

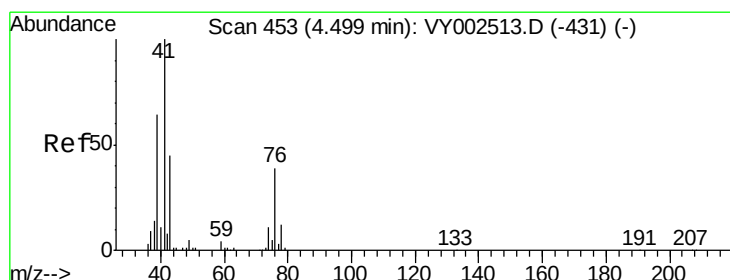
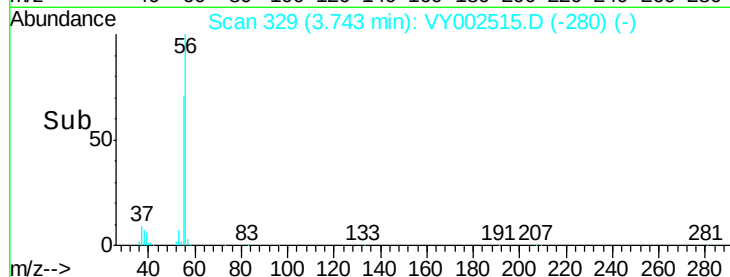
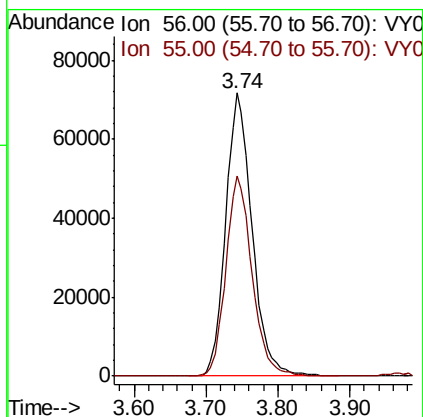
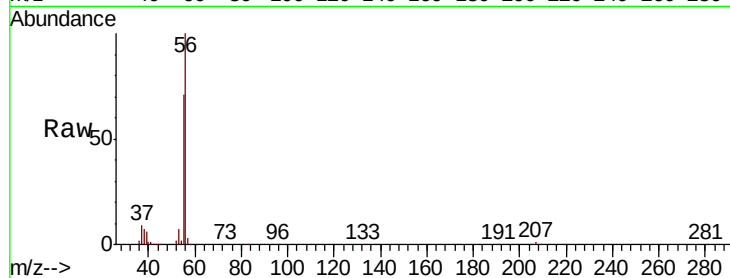
56 100

55 70.5 53.8 80.6

Manual Integrations  
APPROVED

MMDadoda

5/5/2020 4:31:13 PM



#14

Allyl chloride

Concen: 156.508 ug/l

RT: 4.50 min Scan# 453

Delta R.T. 0.00 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

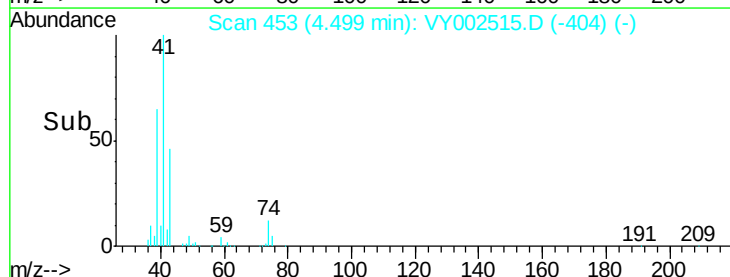
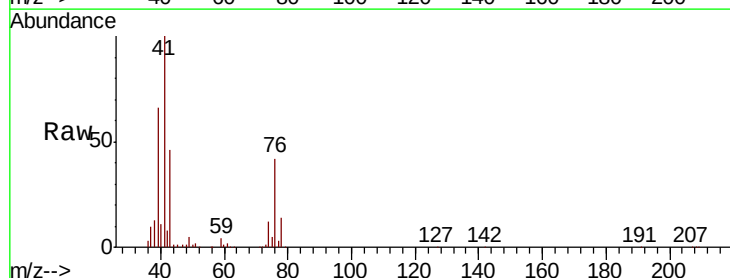
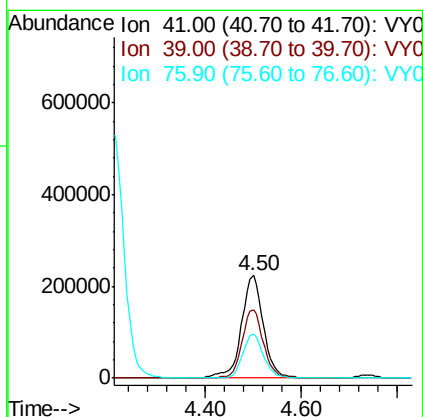
Tgt Ion: 41 Resp: 707196

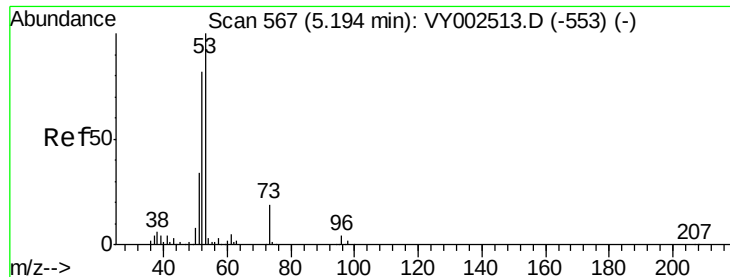
Ion Ratio Lower Upper

41 100

39 65.1 51.8 77.6

76 40.8 31.7 47.5





#15

Acrylonitrile

Concen: 778.276 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.01 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

Instrument :

MSVOA\_Y

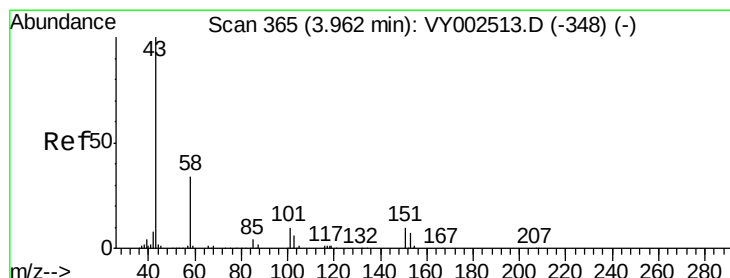
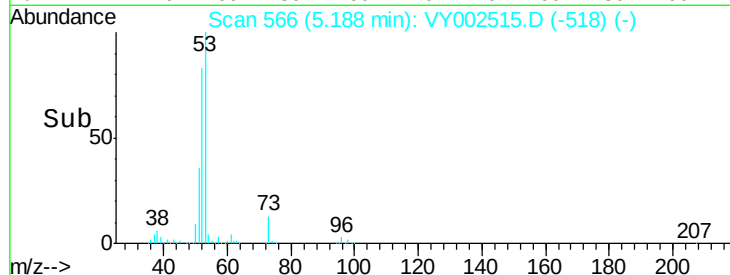
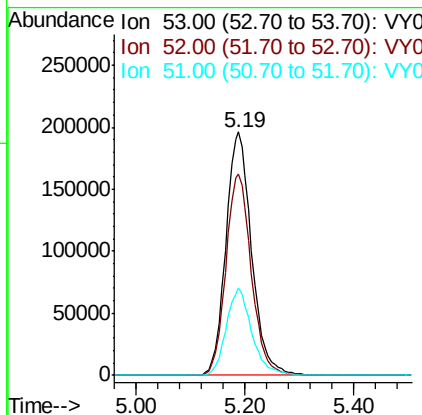
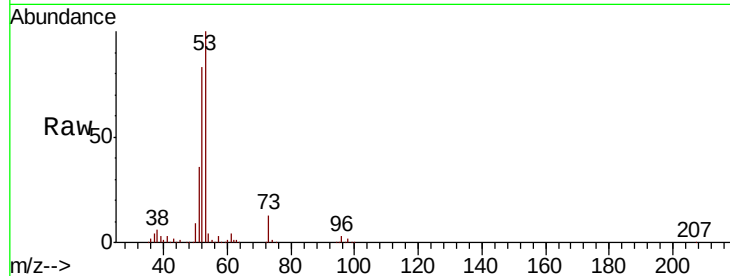
ClientSampleId :

VSTDICC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 644235 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.0  | 65.4  | 98.0   |
| 51        | 35.7  | 28.7  | 43.1   |

Manual Integrations  
APPROVED

MMDadoda  
5/5/2020 4:31:13 PM



#16

Acetone

Concen: 774.859 ug/l

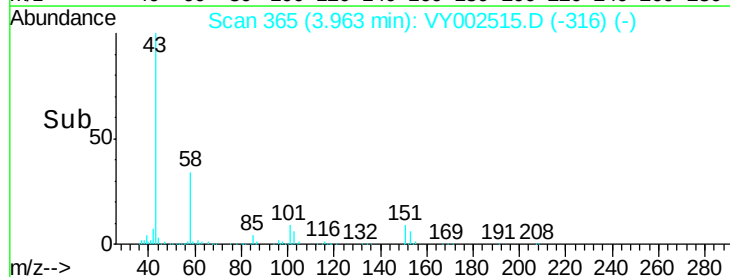
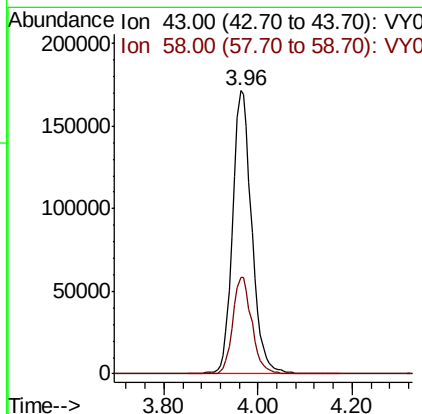
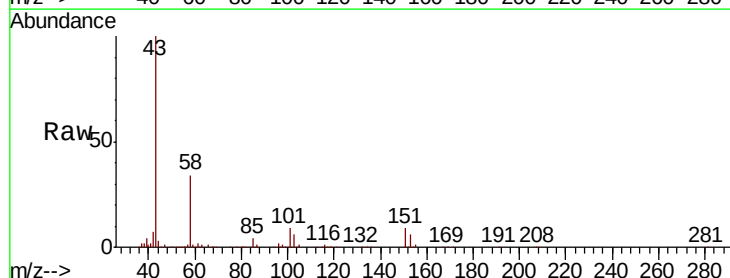
RT: 3.96 min Scan# 365

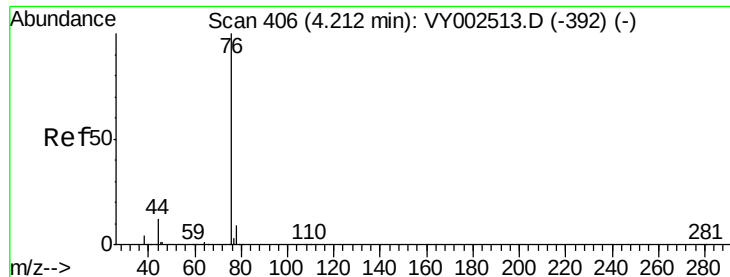
Delta R.T. 0.00 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 484395 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 34.0  | 26.9  | 40.3   |





#17

Carbon Disulfide

Concen: 161.773 ug/l

RT: 4.21 min Scan# 405

Delta R.T. -0.01 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1509318

Ion Ratio Lower Upper

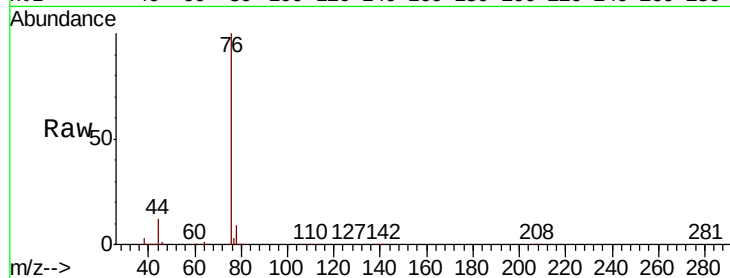
76 100

78 9.3 7.4 11.2

Manual Integrations  
APPROVED

MMDadoda

5/5/2020 4:31:13 PM



Abundance Ion 75.90 (75.60 to 76.60): VY002513.D (-392) (-)

Ion 77.90 (77.60 to 78.60): VY002513.D (-392) (-)

4.21

600000

500000

400000

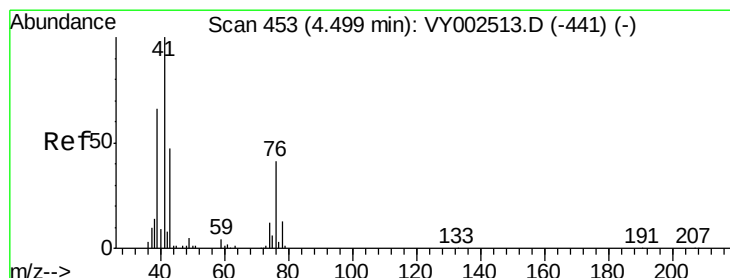
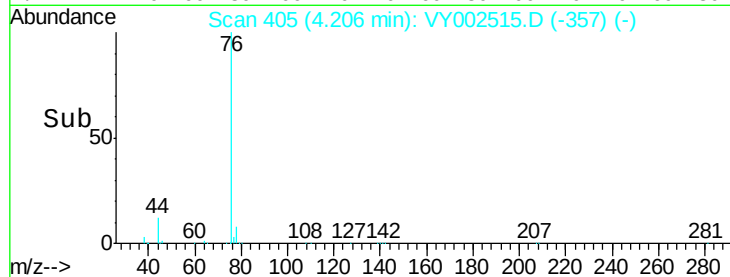
300000

200000

100000

0

Time--> 4.00 4.10 4.20 4.30 4.40



#18

Methyl Acetate

Concen: 152.035 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.01 min

Lab File: VY002515.D

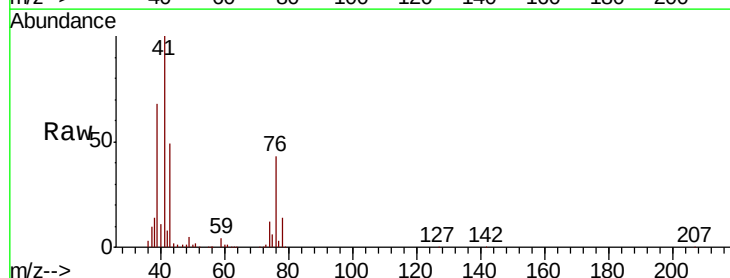
Acq: 30 Apr 2020 16:05

Tgt Ion: 43 Resp: 317562

Ion Ratio Lower Upper

43 100

74 25.9 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-441) (-)

Ion 74.00 (73.70 to 74.70): VY002513.D (-441) (-)

4.49

120000

100000

80000

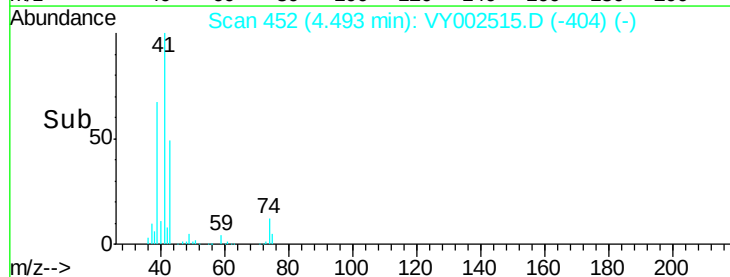
60000

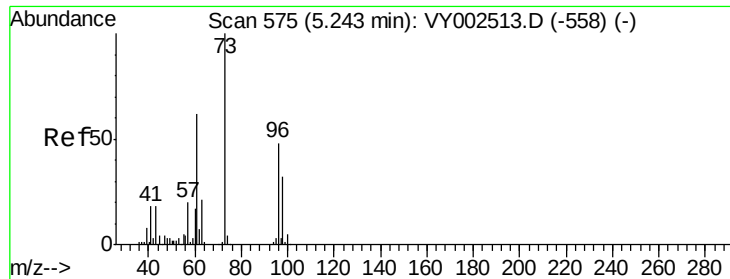
40000

20000

0

Time--> 4.30 4.40 4.50 4.60 4.70





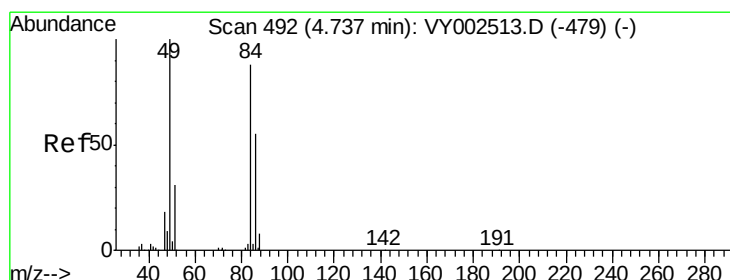
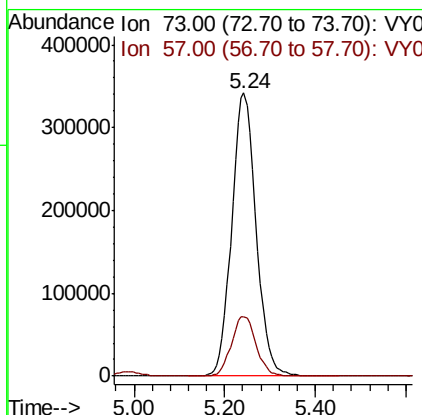
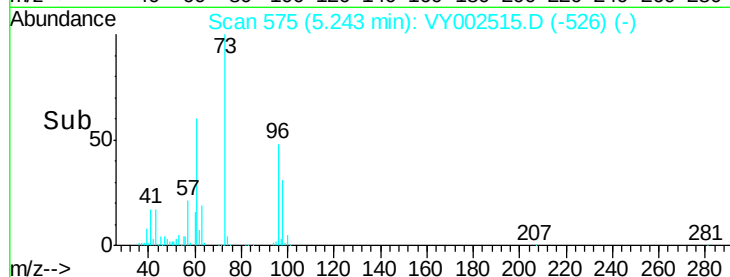
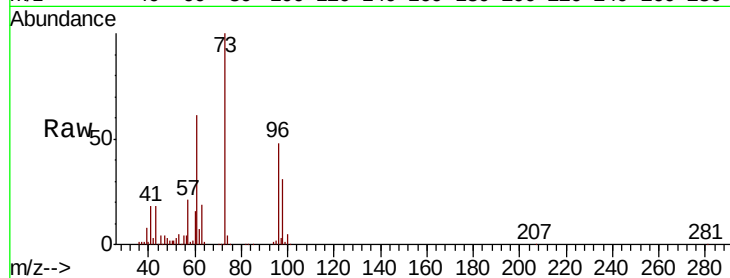
#19  
Methyl tert-butyl Ether  
Concen: 157.036 ug/l  
RT: 5.24 min Scan# 575  
Delta R.T. 0.00 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

Tot Ion: 73 Resp: 1270607  
Ion Ratio Lower Upper  
73 100  
57 21.1 16.3 24.5

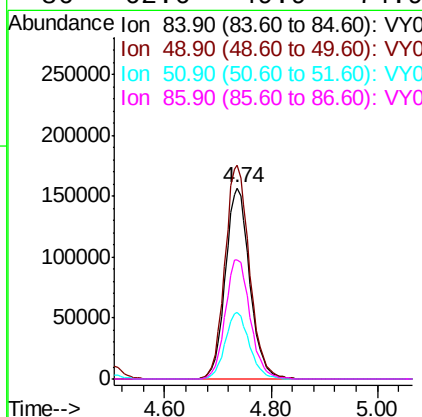
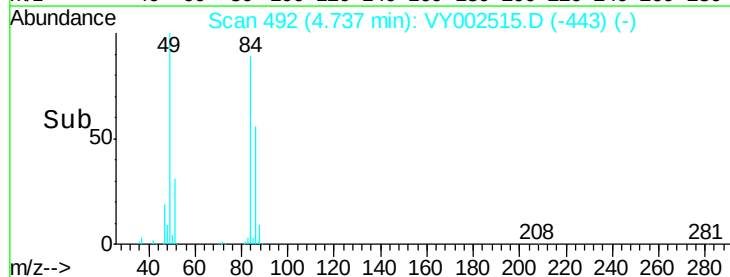
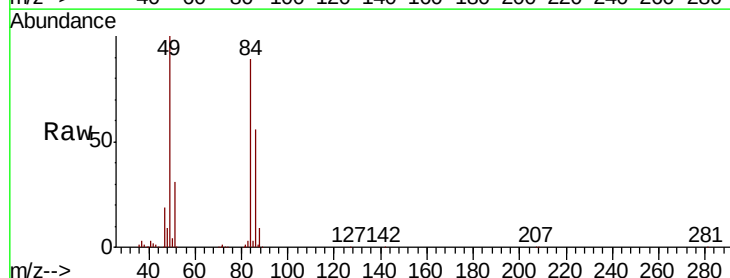
Manual Integrations  
APPROVED

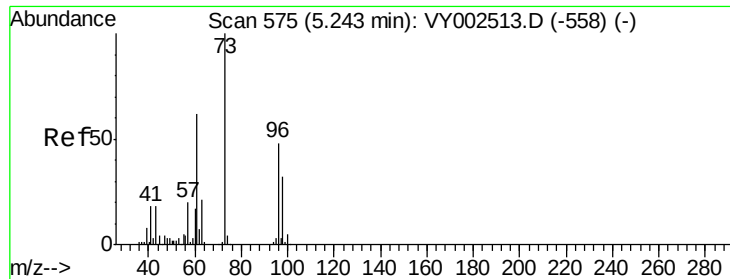
MMDadoda  
5/5/2020 4:31:13 PM



#20  
Methylene Chloride  
Concen: 143.581 ug/l  
RT: 4.74 min Scan# 492  
Delta R.T. 0.00 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Tgt Ion: 84 Resp: 501937  
Ion Ratio Lower Upper  
84 100  
49 111.9 90.5 135.7  
51 34.6 28.3 42.5  
86 62.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 155.130 ug/l

RT: 5.24 min Scan# 575

Delta R.T. 0.00 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 525832

Ion Ratio Lower Upper

96 100

61 124.9 102.0 153.0

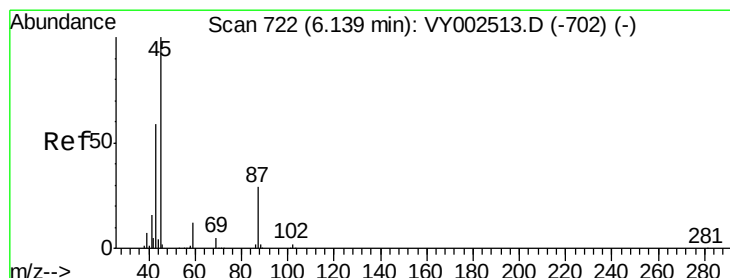
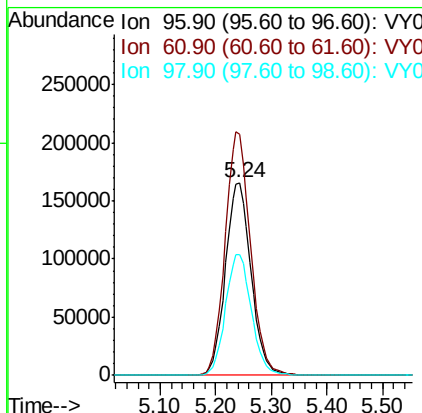
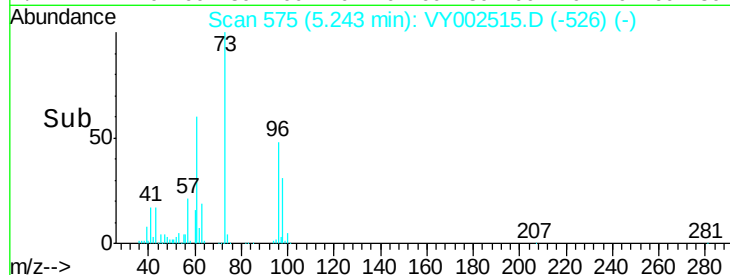
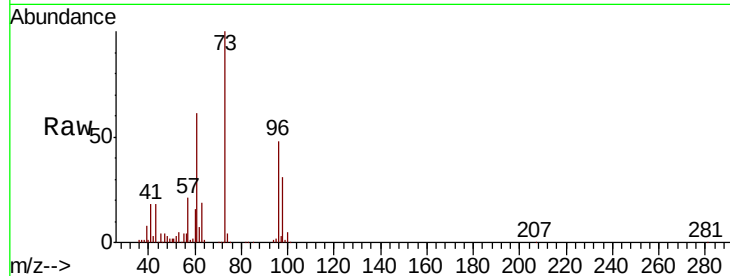
98 62.9 53.0 79.4

Manual Integrations

APPROVED

MMDadoda

5/5/2020 4:31:13 PM



#22

Diisopropyl ether

Concen: 150.640 ug/l

RT: 6.14 min Scan# 722

Delta R.T. 0.00 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

Tgt Ion: 45 Resp: 1377270

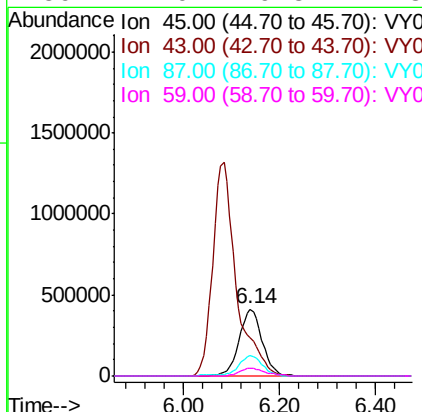
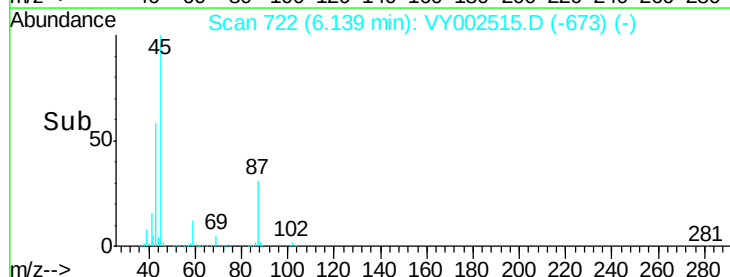
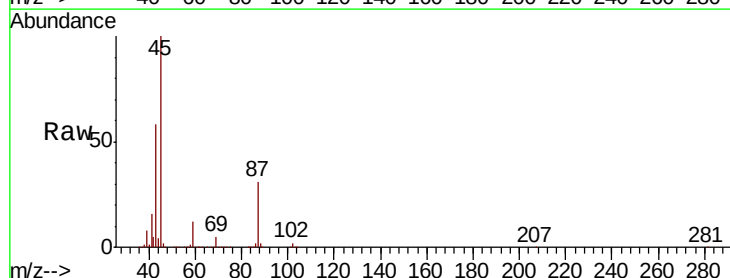
Ion Ratio Lower Upper

45 100

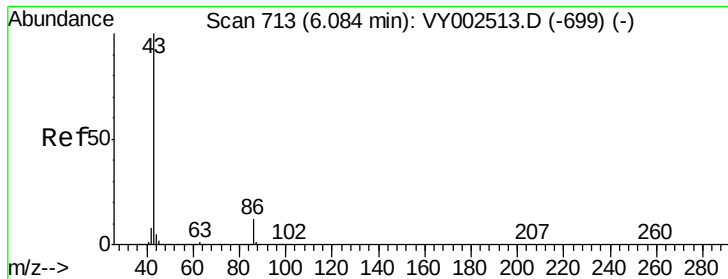
43 57.5 47.4 71.0

87 30.9 24.0 36.0

59 12.0 9.8 14.8







#23

Vinyl Acetate

Concen: 779.667 ug/l

RT: 6.08 min Scan# 713

Delta R.T. 0.00 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4482994

Ion Ratio Lower Upper

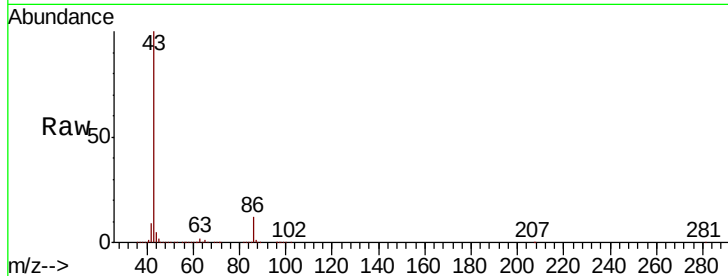
43 100

86 12.4 9.8 14.6

Manual Integrations  
APPROVED

MMDadoda

5/5/2020 4:31:13 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

1500000

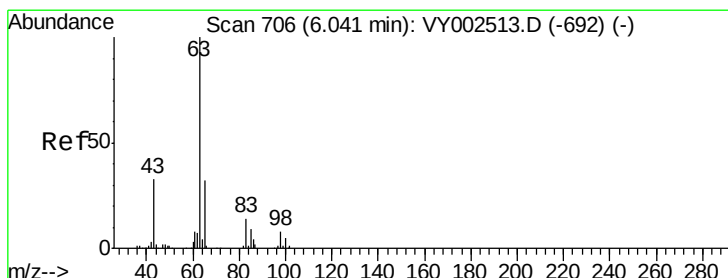
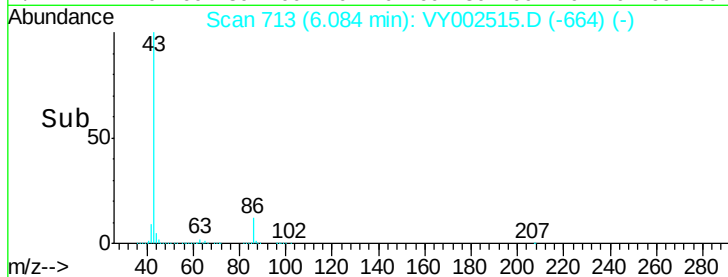
1000000

500000

0

6.00 6.20 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 153.602 ug/l

RT: 6.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

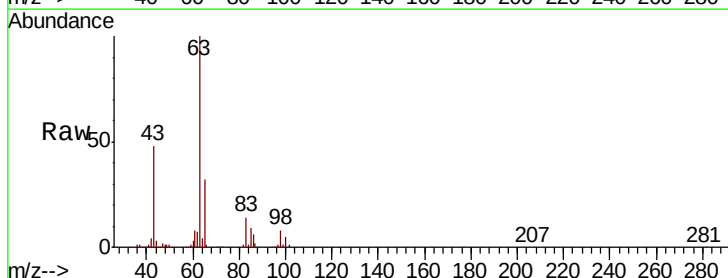
Tgt Ion: 63 Resp: 830812

Ion Ratio Lower Upper

63 100

98 8.2 3.9 11.7

100 5.1 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

300000

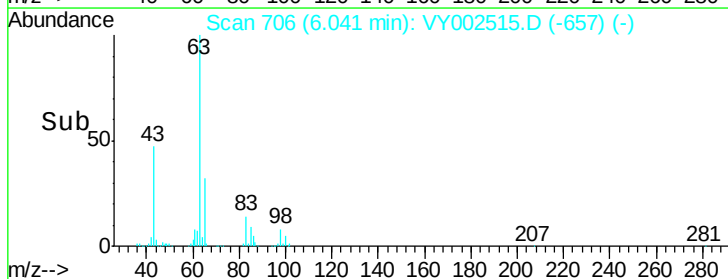
200000

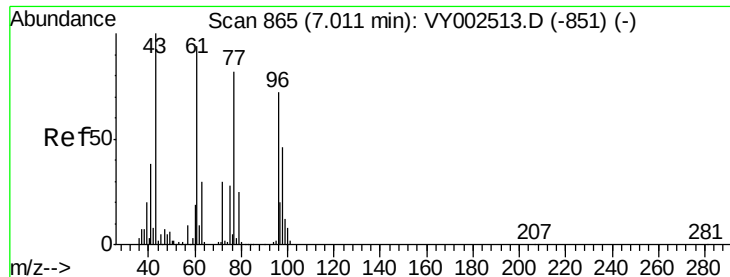
100000

0

5.90 6.00 6.10 6.20

Time-->





#25

2-Butanone

Concen: 764.490 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 782314

Ion Ratio Lower Upper

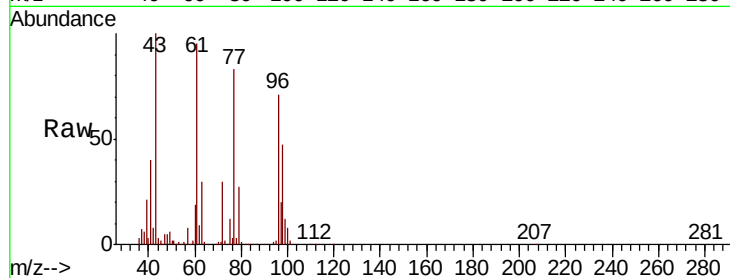
43 100

72 29.5 24.1 36.1

Manual Integrations  
APPROVED

MMDadoda

5/5/2020 4:31:13 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.00

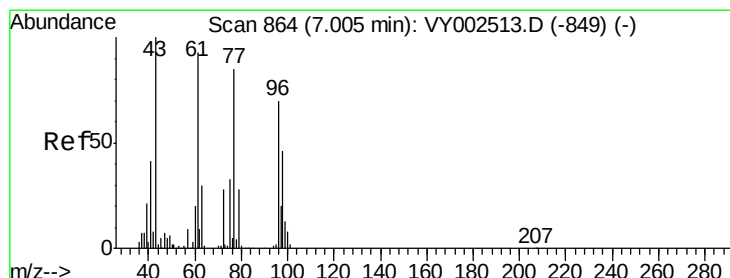
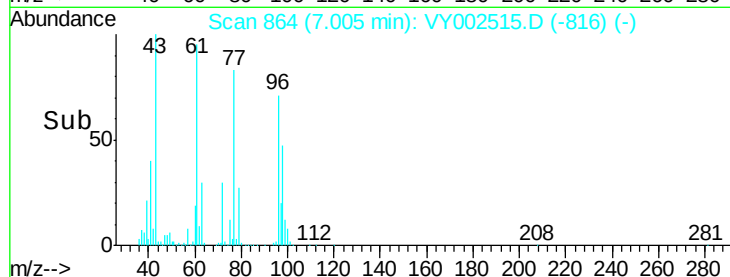
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 148.347 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002515.D

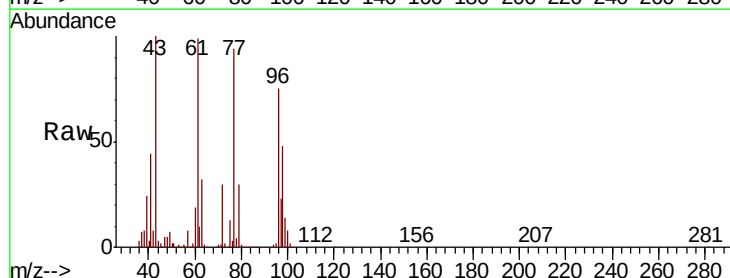
Acq: 30 Apr 2020 16:05

Tgt Ion: 77 Resp: 762694

Ion Ratio Lower Upper

77 100

97 23.8 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

7.00

300000

250000

200000

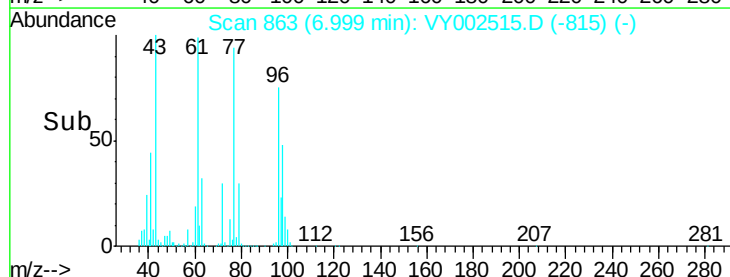
150000

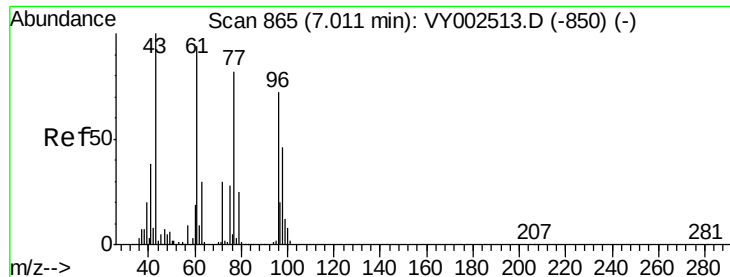
100000

50000

0

Time-->





#27

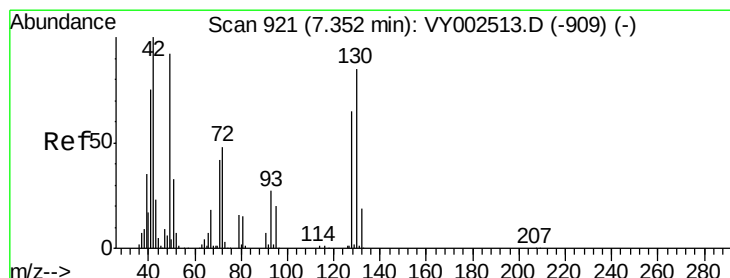
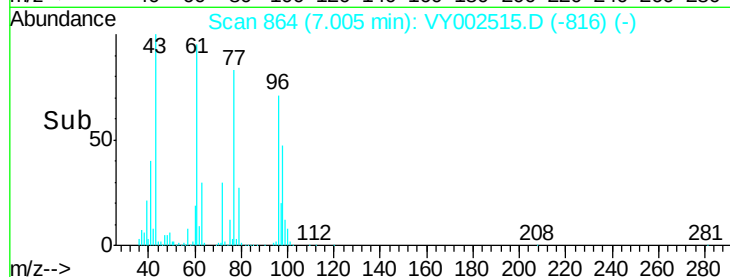
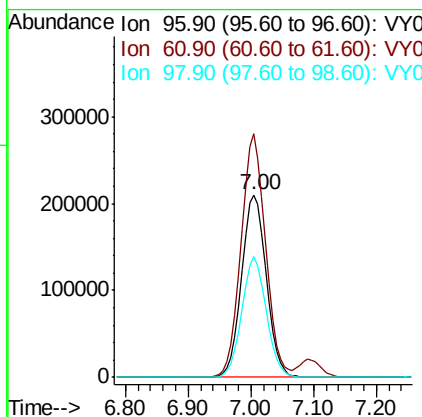
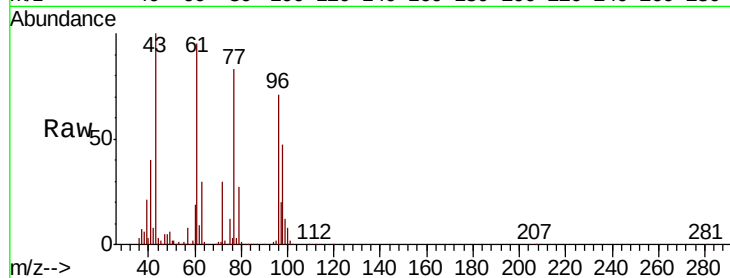
cis-1,2-Dichloroethene  
Concen: 153.181 ug/l  
RT: 7.00 min Scan# 864  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 132.2 | 0.0  | 266.6 |       |
| 98      | 65.0  | 0.0  | 129.2 |       |

Manual Integrations  
APPROVED

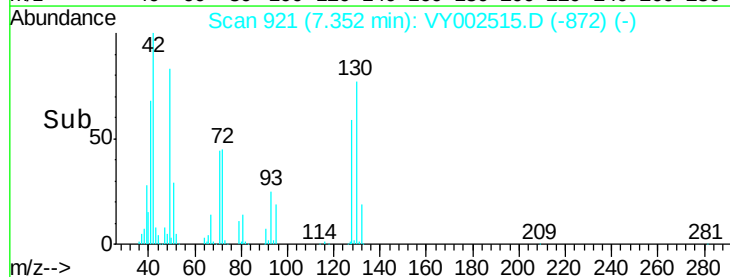
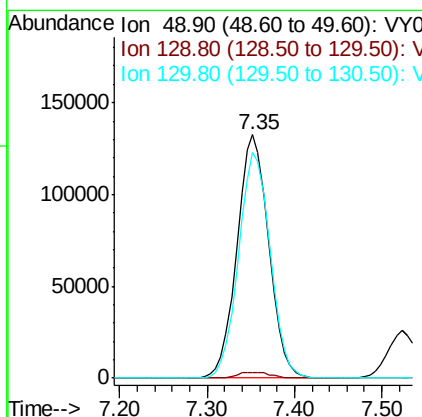
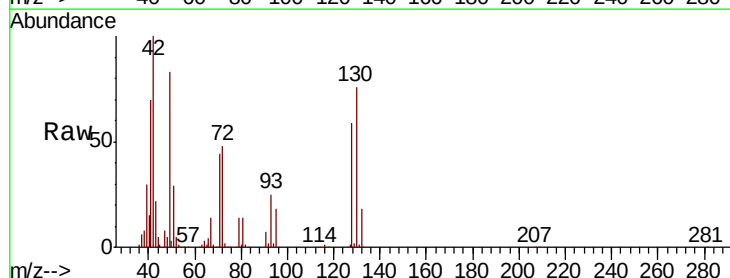
MMDadoda  
5/5/2020 4:31:13 PM

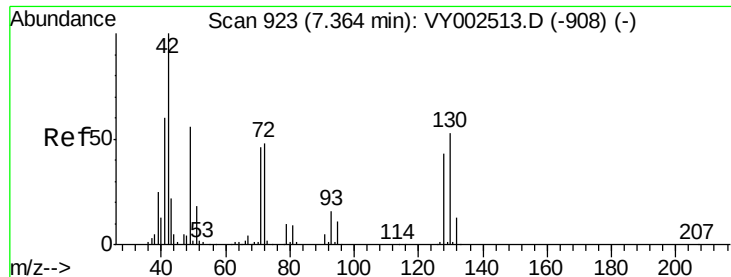


#28

Bromochloromethane  
Concen: 150.633 ug/l  
RT: 7.35 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 2.5   | 0.0  | 4.8   |       |
| 130     | 92.8  | 72.5 | 108.7 |       |





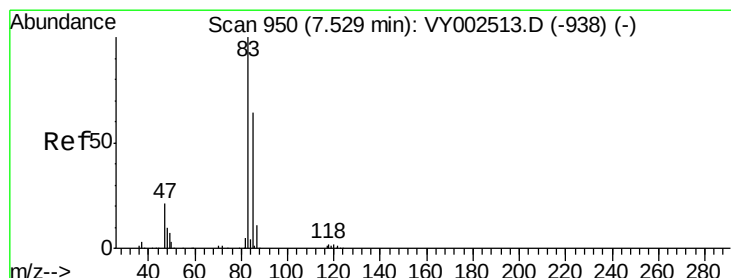
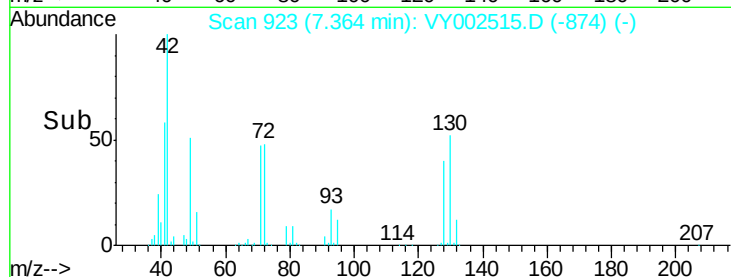
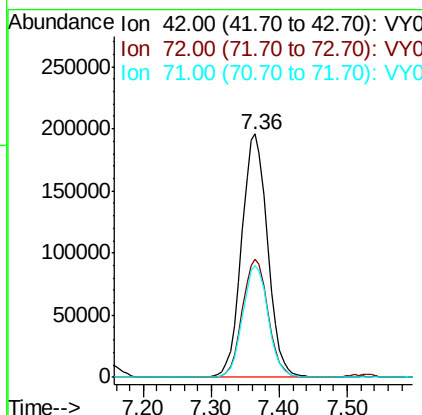
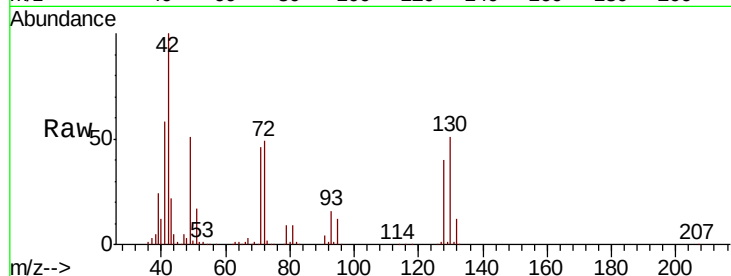
#29  
Tetrahydrofuran  
Concen: 769.306 ug/l  
RT: 7.36 min Scan# 923  
Delta R.T. 0.00 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 48.0  | 37.4  | 56.2  |
| 71      | 44.8  | 35.0  | 52.4  |

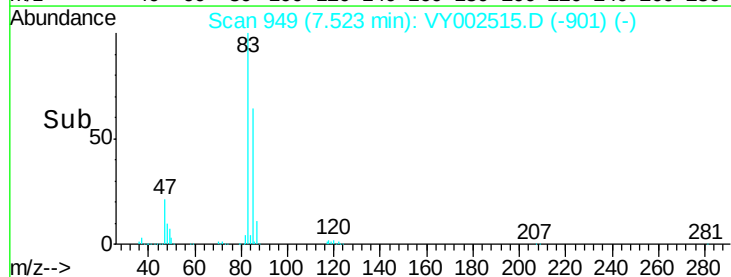
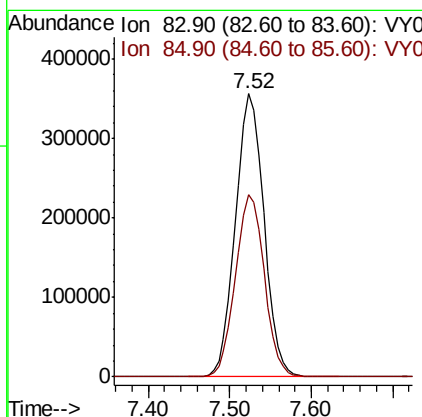
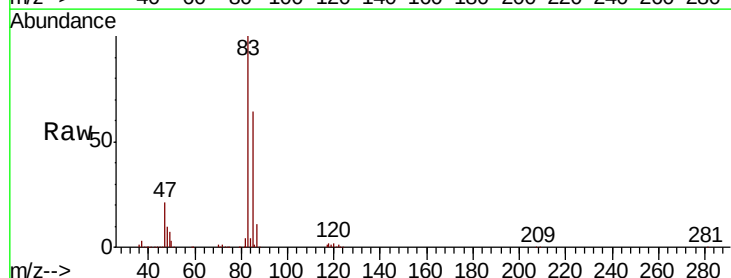
Manual Integrations  
APPROVED

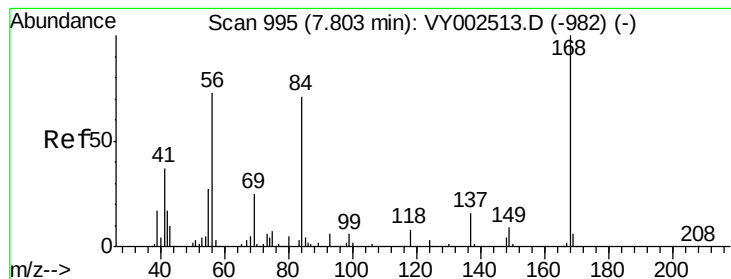
MMDadoda  
5/5/2020 4:31:13 PM



#30  
Chloroform  
Concen: 153.537 ug/l  
RT: 7.52 min Scan# 949  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.4  | 51.5  | 77.3  |





#31

Cyclohexane

Concen: 145.848 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

Instrument :

MSVOA\_Y

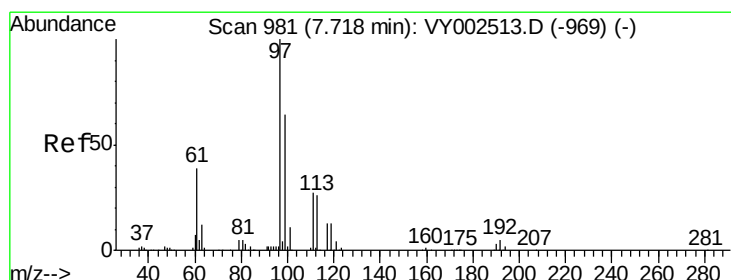
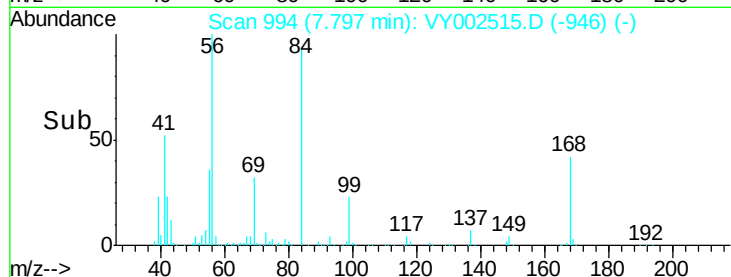
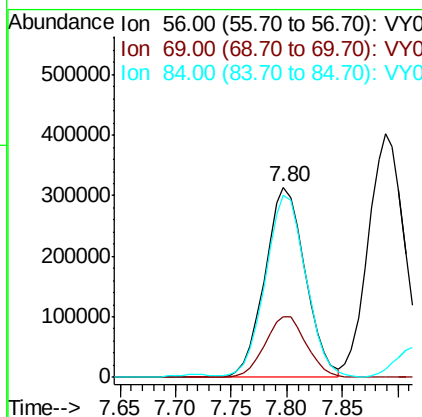
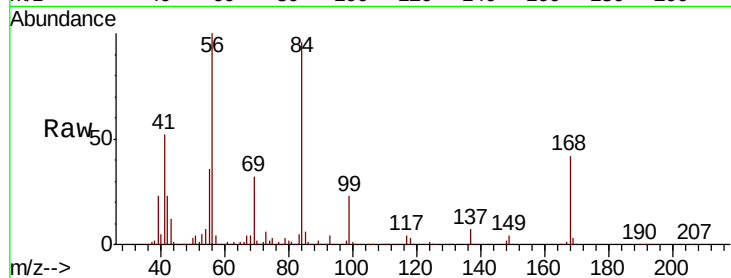
ClientSampleId :

VSTDIC150

| Tot Ion | 56    | Resp  | 794064 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 56      | 100   |       |        |
| 69      | 32.1  | 27.6  | 41.4   |
| 84      | 94.4  | 77.7  | 116.5  |

Manual Integrations  
APPROVED

MMDadoda  
5/5/2020 4:31:13 PM



#32

1,1,1-Trichloroethane

Concen: 156.310 ug/l

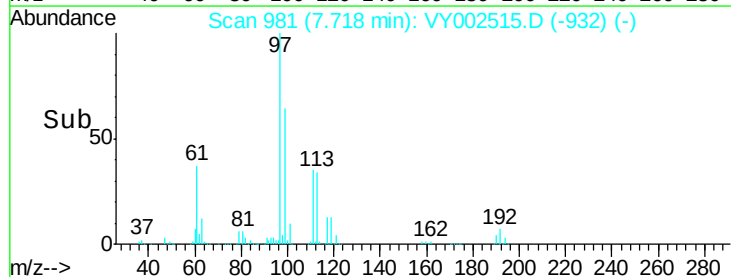
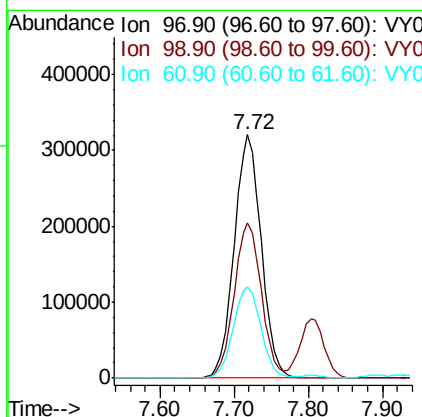
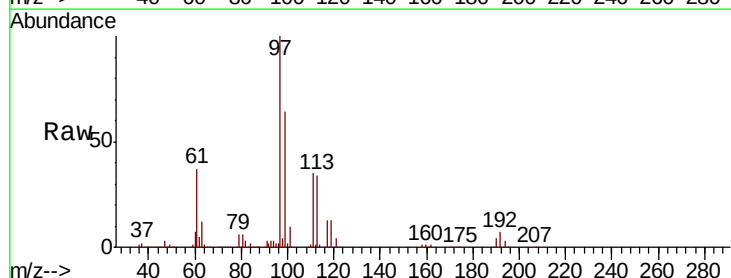
RT: 7.72 min Scan# 981

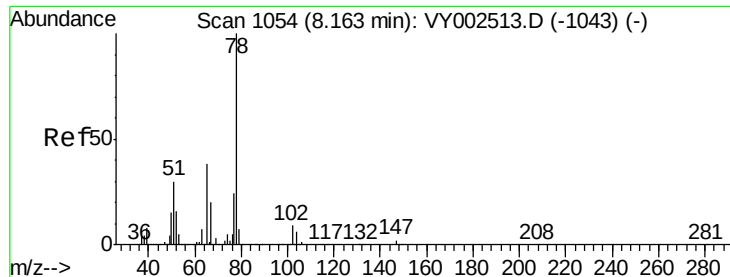
Delta R.T. 0.00 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

| Tgt Ion | 97    | Resp  | 817086 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 97      | 100   |       |        |
| 99      | 64.3  | 51.9  | 77.9   |
| 61      | 38.4  | 31.0  | 46.6   |





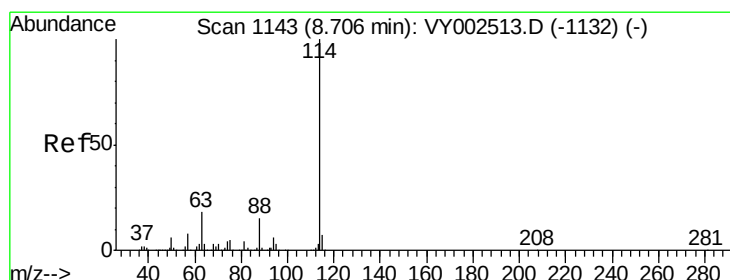
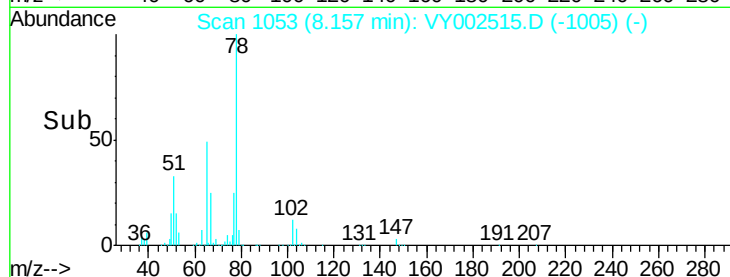
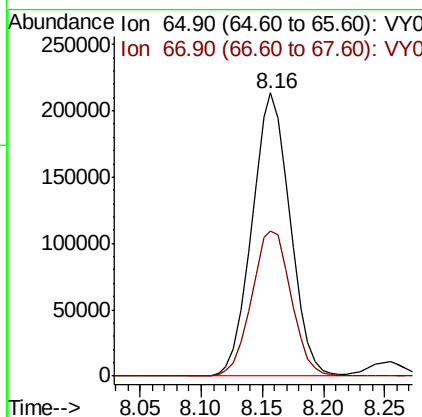
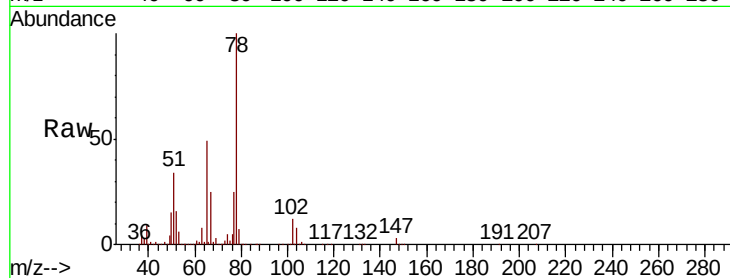
#33  
 1,2-Dichloroethane-d4  
 Concen: 152.170 ug/l  
 RT: 8.16 min Scan# 1053  
 Delta R.T. -0.01 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 53.3  | 0.0  | 107.2 |       |

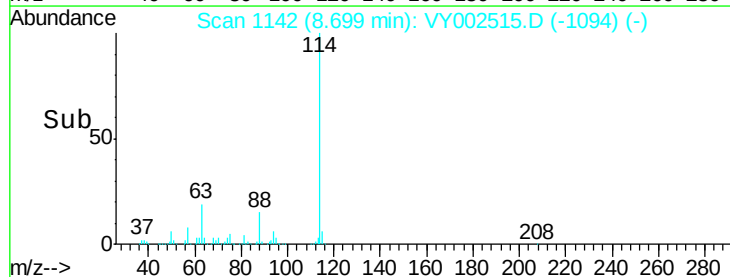
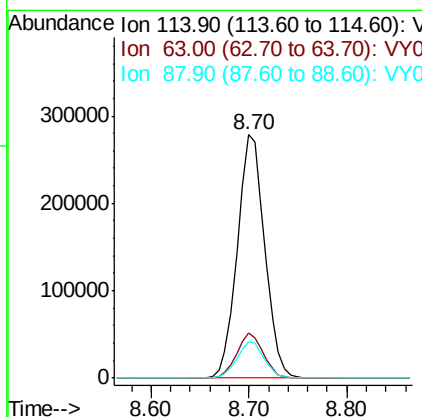
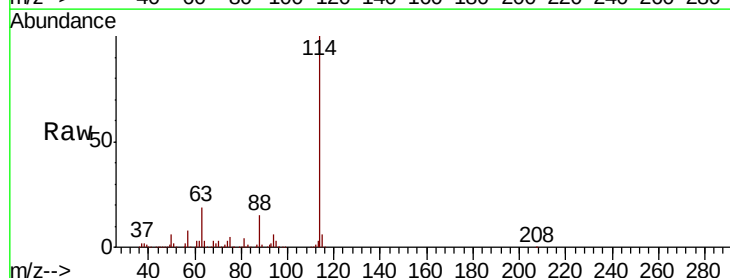
Manual Integrations  
 APPROVED

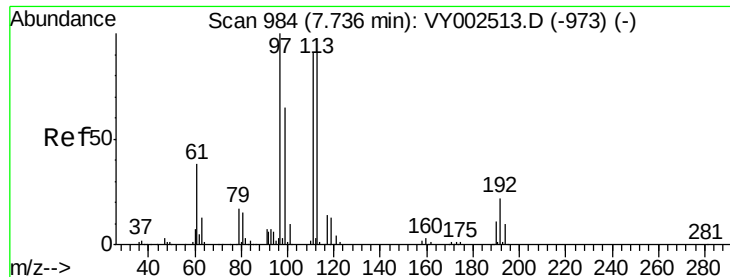
MMDadoda  
 5/5/2020 4:31:13 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. -0.01 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 18.6  | 0.0  | 36.4  |       |
| 88      | 14.9  | 0.0  | 29.6  |       |





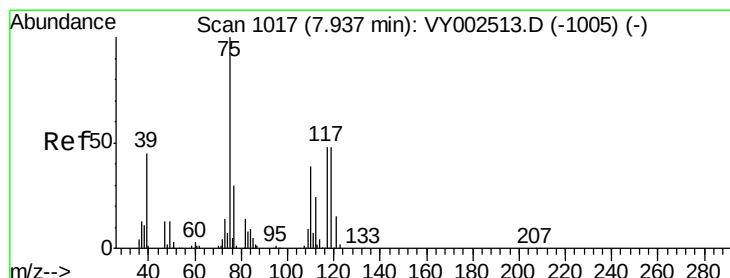
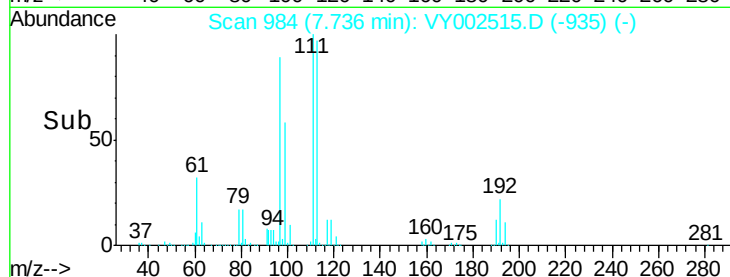
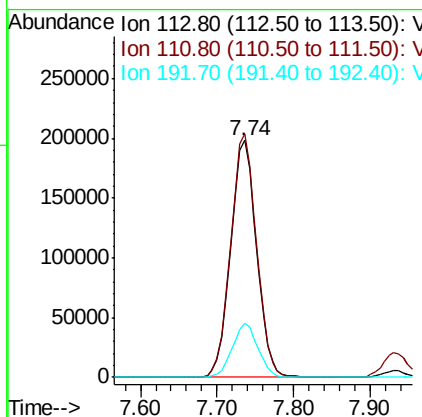
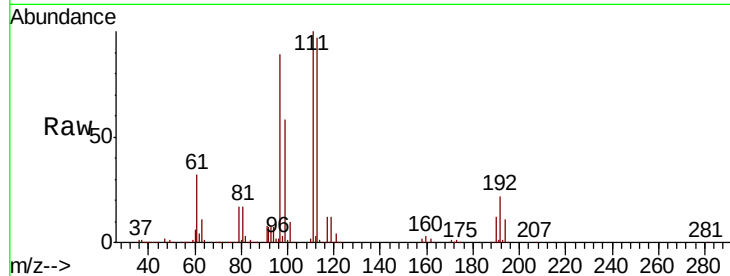
#35  
 Dibromofluoromethane  
 Concen: 149.544 ug/l  
 RT: 7.74 min Scan# 984  
 Delta R.T. 0.00 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.1 | 81.8  | 122.6 |
| 192     | 22.7  | 18.2  | 27.4  |

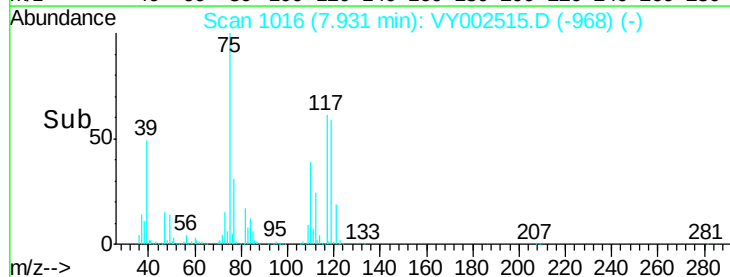
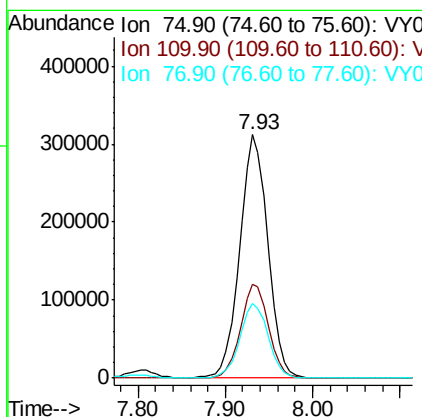
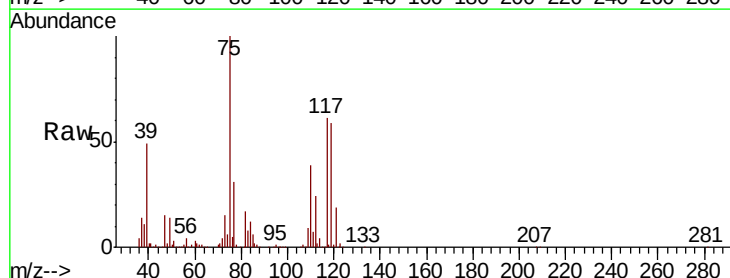
Manual Integrations  
 APPROVED

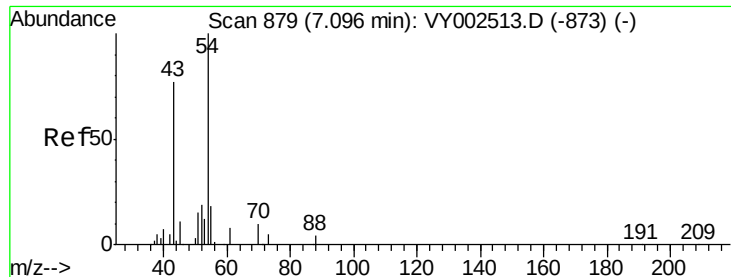
MMDadoda  
 5/5/2020 4:31:13 PM



#36  
 1,1-Dichloropropene  
 Concen: 153.110 ug/l  
 RT: 7.93 min Scan# 1016  
 Delta R.T. -0.01 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 38.4  | 19.1  | 57.3  |
| 77      | 31.2  | 24.6  | 37.0  |





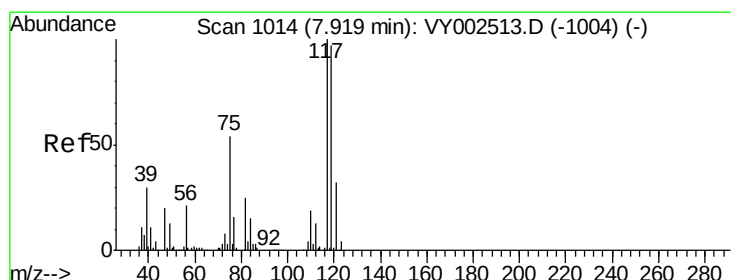
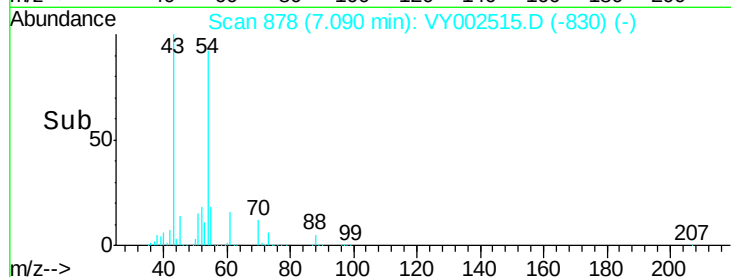
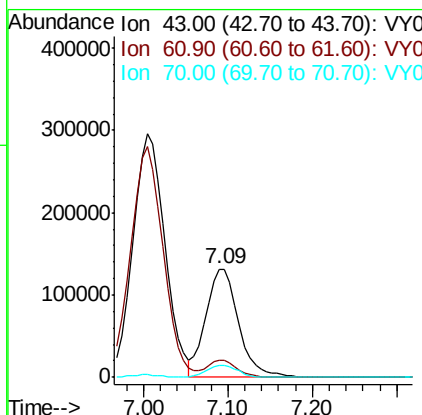
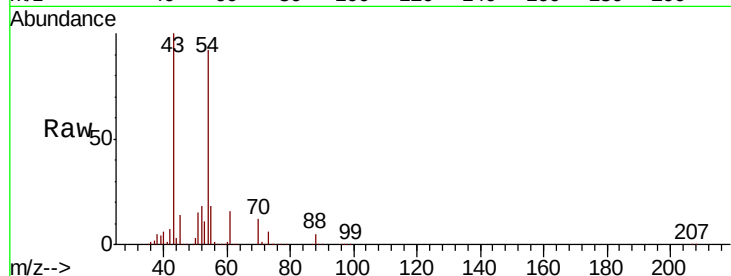
#37  
Ethyl Acetate  
Concen: 152.467 ug/l  
RT: 7.09 min Scan# 878  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.1  | 11.6  | 17.4  |
| 70      | 11.2  | 9.0   | 13.6  |

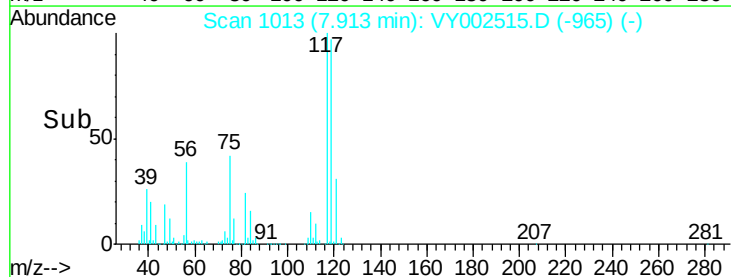
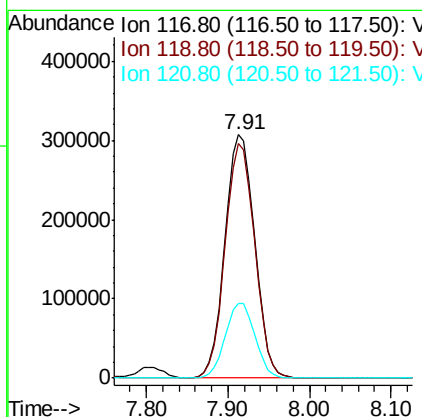
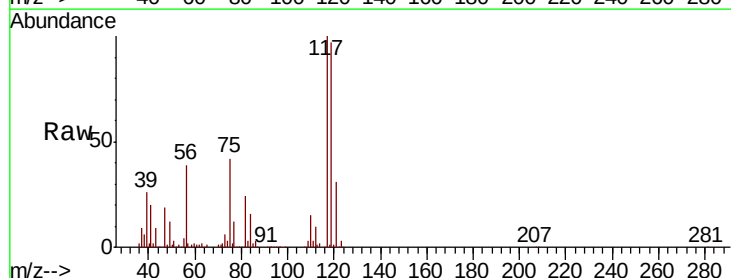
Manual Integrations  
APPROVED

MMDadoda  
5/5/2020 4:31:13 PM

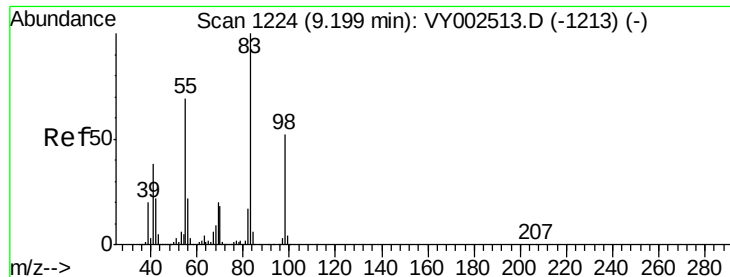


#38  
Carbon Tetrachloride  
Concen: 156.528 ug/l  
RT: 7.91 min Scan# 1013  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.6  | 77.1  | 115.7 |
| 121     | 30.7  | 25.2  | 37.8  |







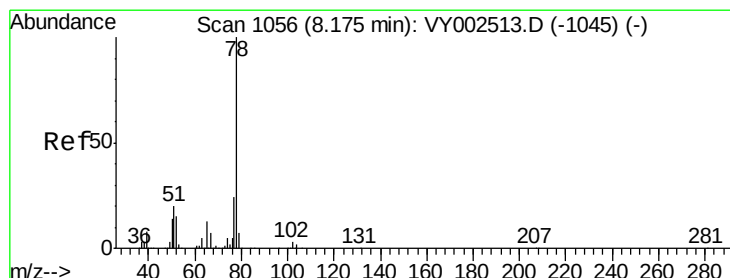
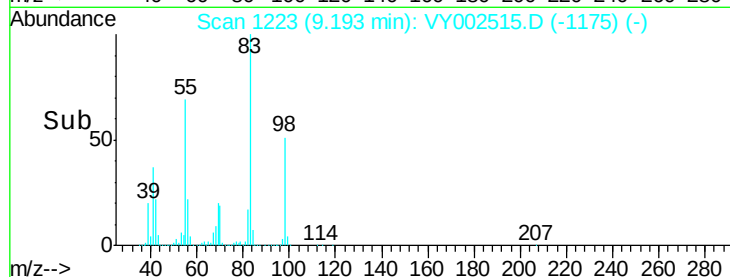
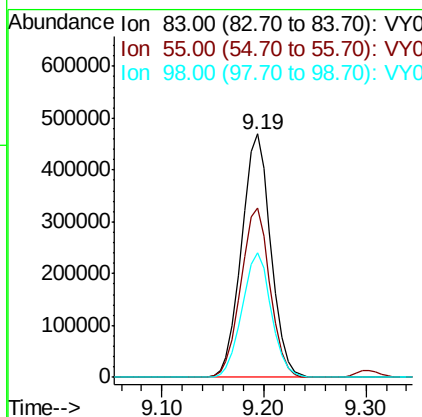
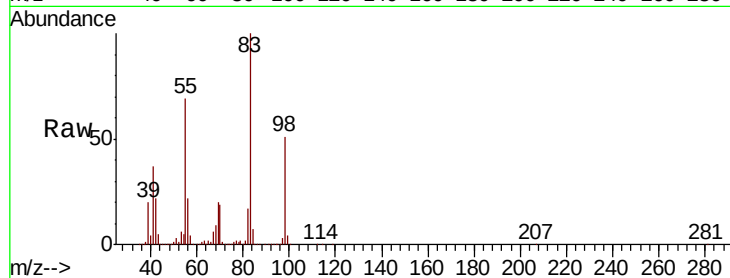
#39  
Methylvlcyclohexane  
Concen: 155.991 ug/l  
RT: 9.19 min Scan# 1223  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 69.5  | 55.4  | 83.0  |
| 98      | 51.0  | 41.3  | 61.9  |

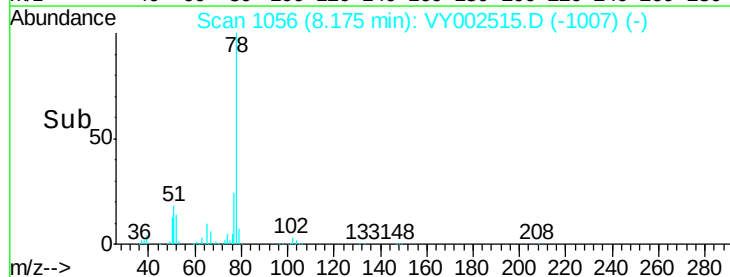
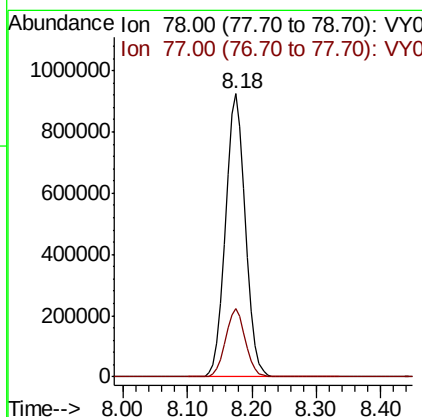
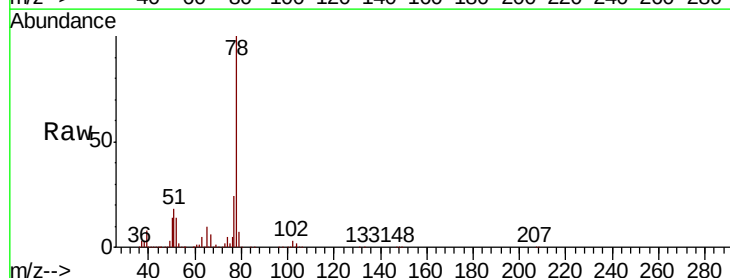
Manual Integrations  
APPROVED

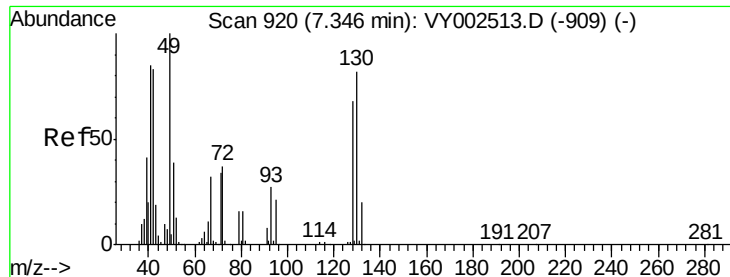
MMDadoda  
5/5/2020 4:31:13 PM



#40  
Benzene  
Concen: 153.812 ug/l  
RT: 8.18 min Scan# 1056  
Delta R.T. 0.00 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.0  | 19.2  | 28.8  |





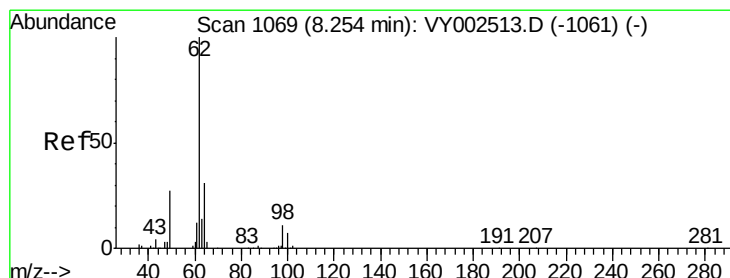
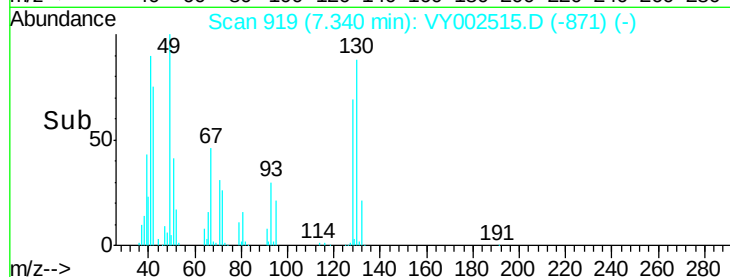
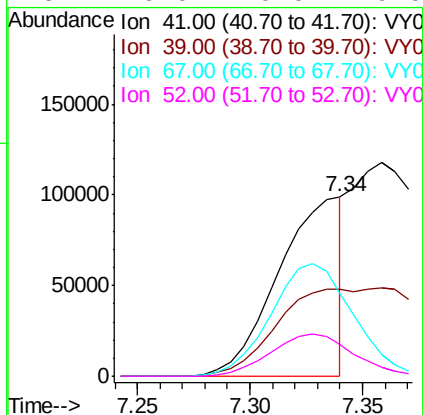
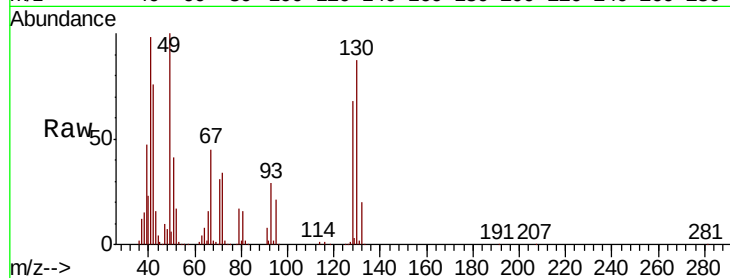
#41  
Methacrylonitrile  
Concen: 162.864 ug/l m  
RT: 7.34 min Scan# 919  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | 41    | Resp  | 198222 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 41      | 100   |       |        |
| 39      | 0.0   | 83.1  | 124.7# |
| 67      | 0.0   | 0.0   | 0.0    |
| 52      | 0.0   | 0.0   | 0.0    |

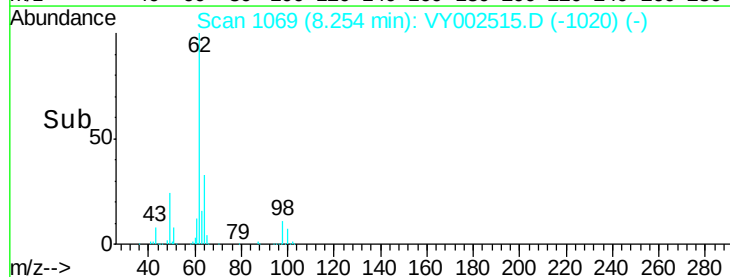
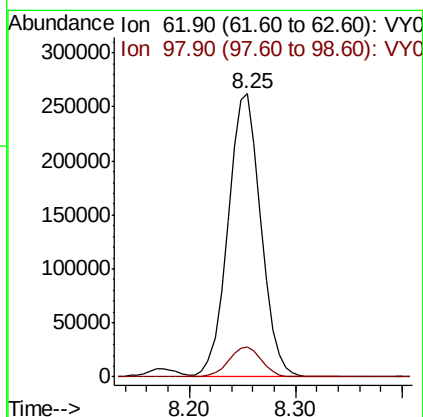
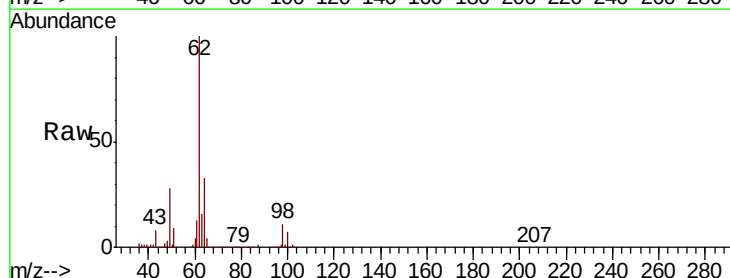
Manual Integrations  
APPROVED

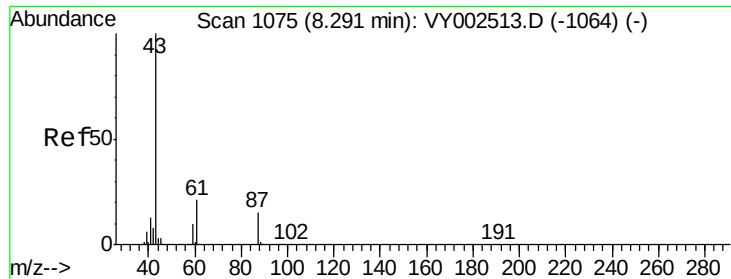
MMDadoda  
5/5/2020 4:31:13 PM



#42  
1,2-Dichloroethane  
Concen: 154.154 ug/l  
RT: 8.25 min Scan# 1069  
Delta R.T. 0.00 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

| Tgt Ion | 62    | Resp  | 565859 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 62      | 100   |       |        |
| 98      | 10.7  | 0.0   | 21.0   |





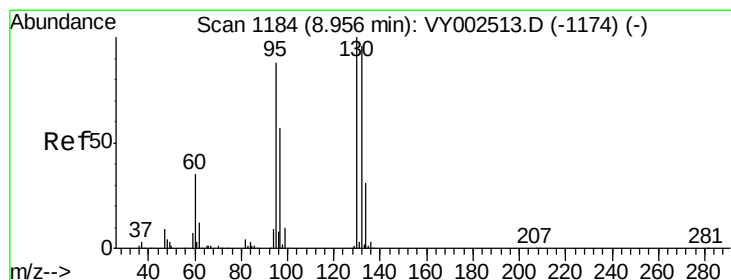
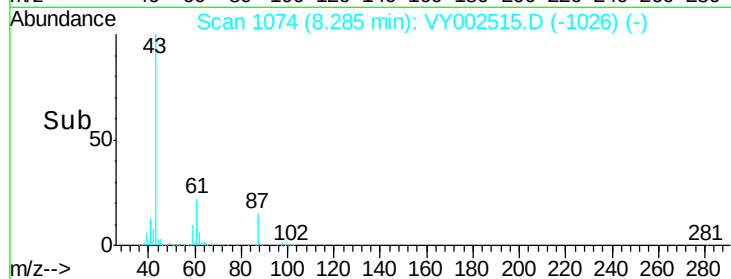
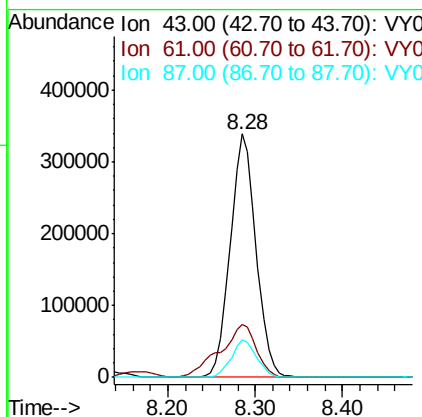
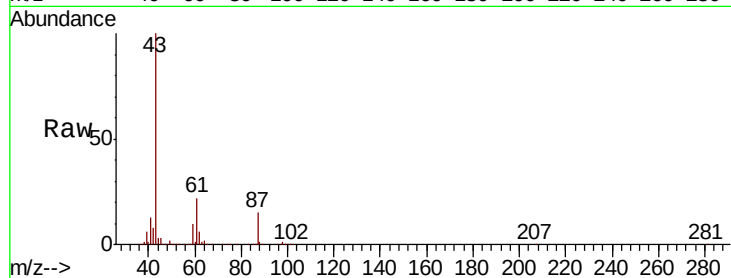
#43  
Isopropyl Acetate  
Concen: 158.581 ug/l  
RT: 8.28 min Scan# 1074  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 30.6  | 24.8  | 37.2  |
| 87      | 15.3  | 12.2  | 18.2  |

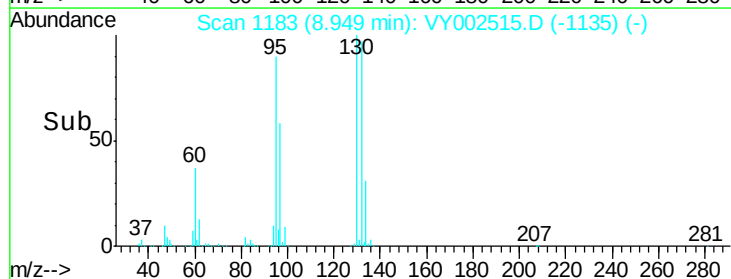
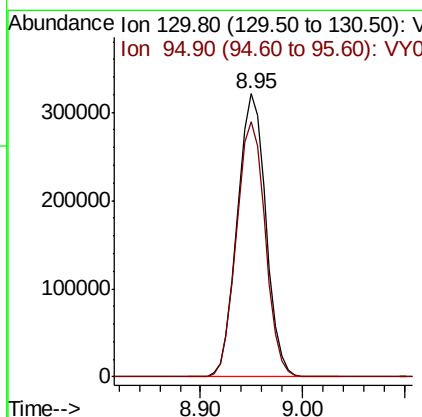
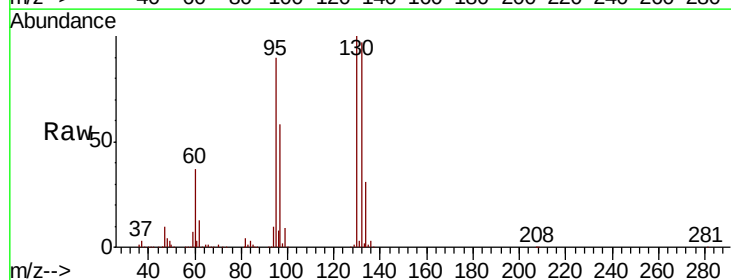
Manual Integrations  
APPROVED

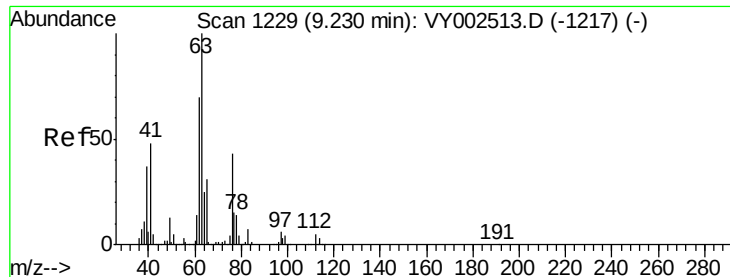
MMDadoda  
5/5/2020 4:31:13 PM



#44  
Trichloroethene  
Concen: 152.256 ug/l  
RT: 8.95 min Scan# 1183  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 90.2  | 0.0   | 175.8 |





#45

1,2-Dichloropropane

Concen: 152.283 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 480963

Ion Ratio Lower Upper

63 100

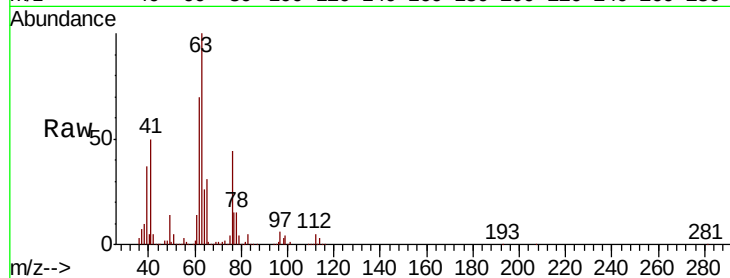
65 30.7 24.5 36.7

Manual Integrations

APPROVED

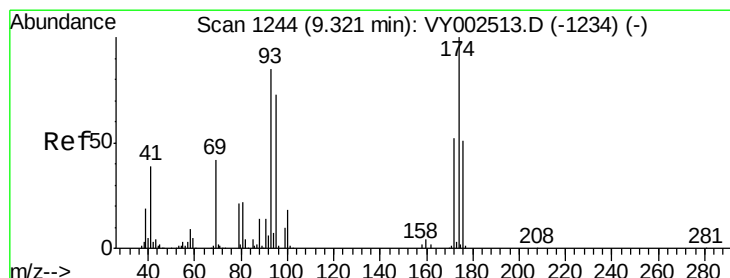
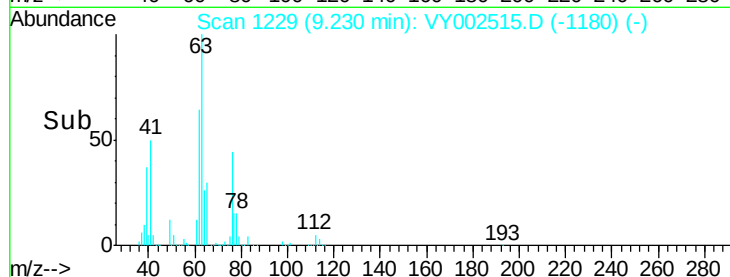
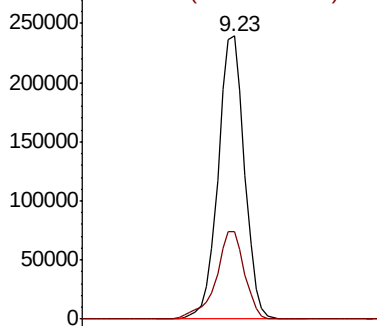
MMDadoda

5/5/2020 4:31:13 PM



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 154.052 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

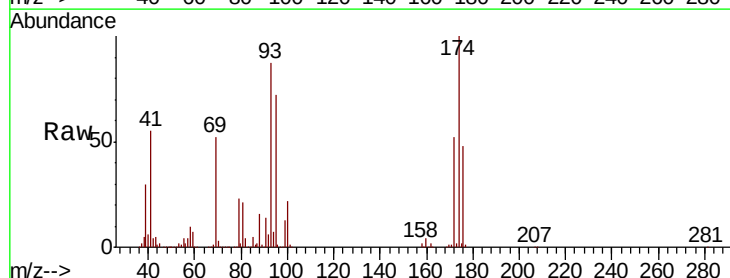
Tgt Ion: 93 Resp: 279941

Ion Ratio Lower Upper

93 100

95 83.2 67.0 100.4

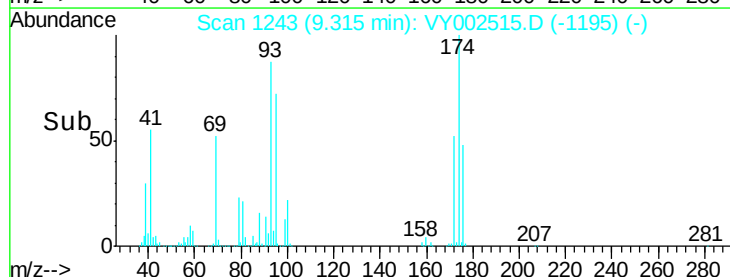
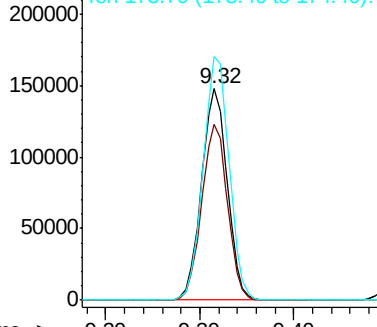
174 116.7 92.7 139.1

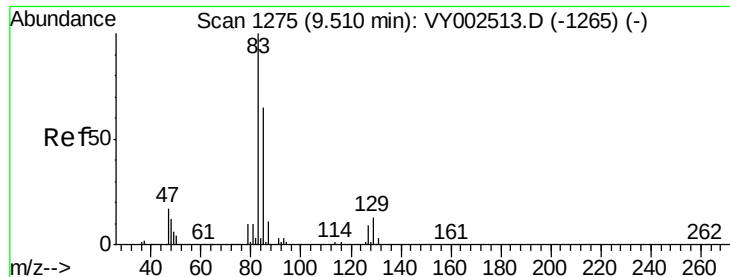


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





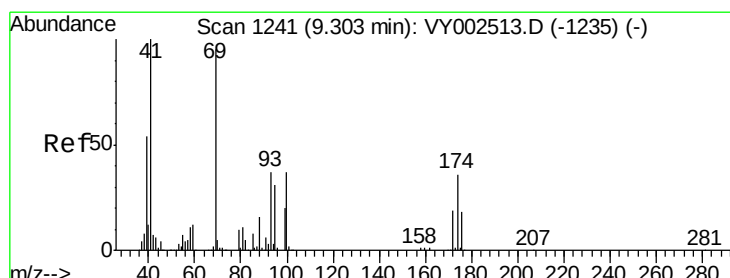
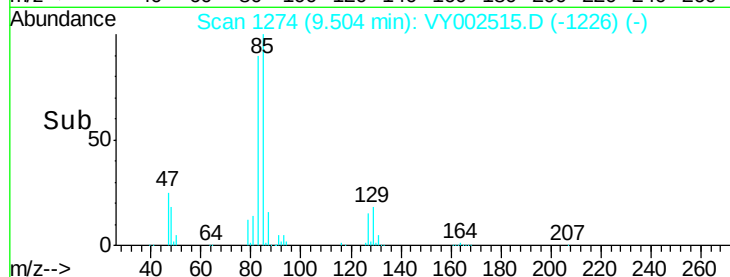
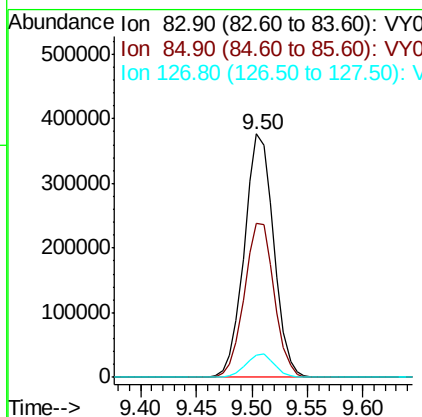
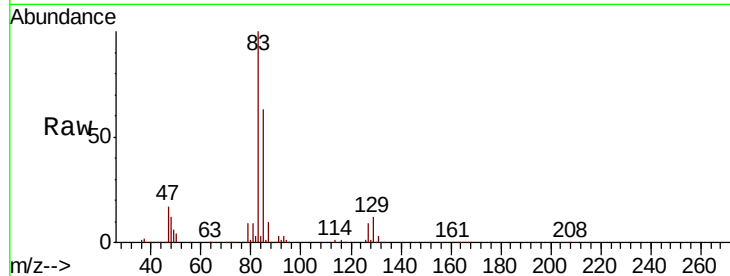
#47  
Bromodichloromethane  
Concen: 155.903 ug/l  
RT: 9.50 min Scan# 1274  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 688866 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 63.4  | 51.8  | 77.8   |
| 127      | 9.2   | 7.4   | 11.0   |

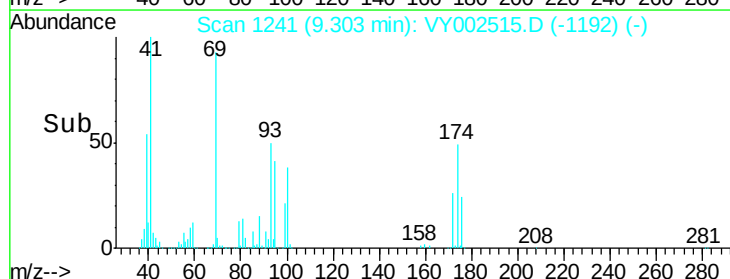
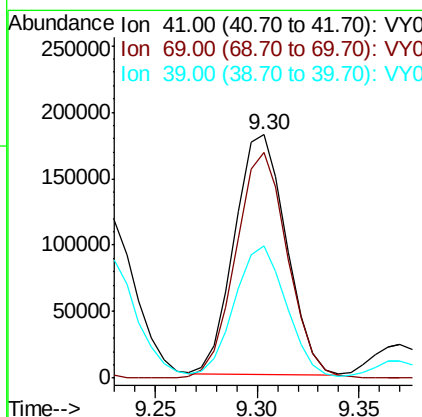
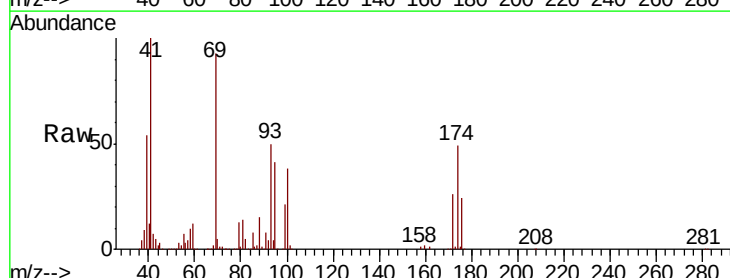
Manual Integrations  
APPROVED

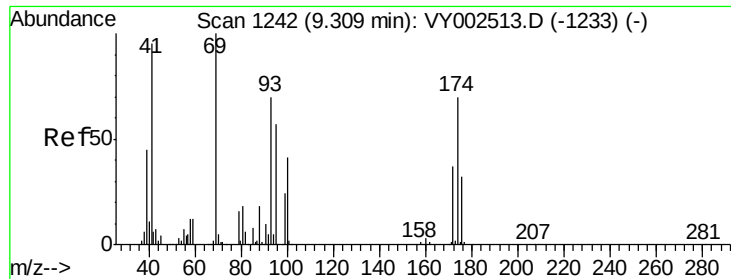
MMDadoda  
5/5/2020 4:31:13 PM



#48  
Methyl methacrylate  
Concen: 161.622 ug/l  
RT: 9.30 min Scan# 1241  
Delta R.T. 0.00 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 319280 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 94.2  | 76.2  | 114.4  |
| 39       | 53.7  | 42.7  | 64.1   |





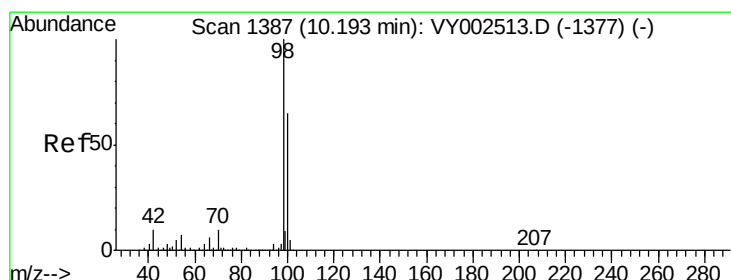
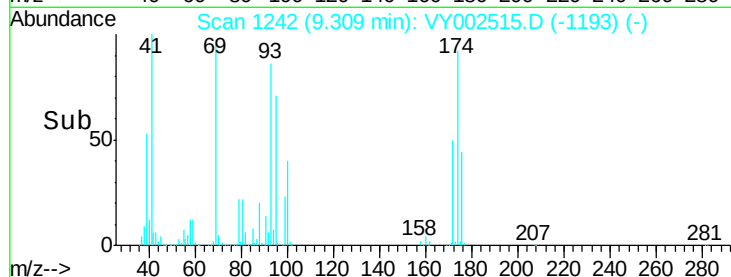
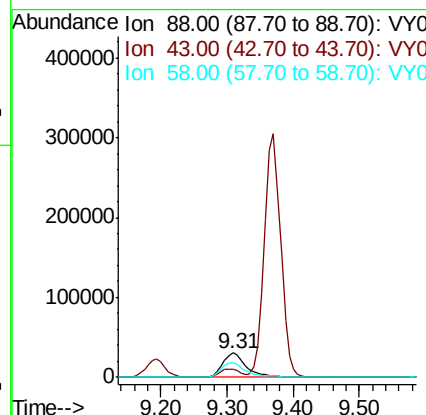
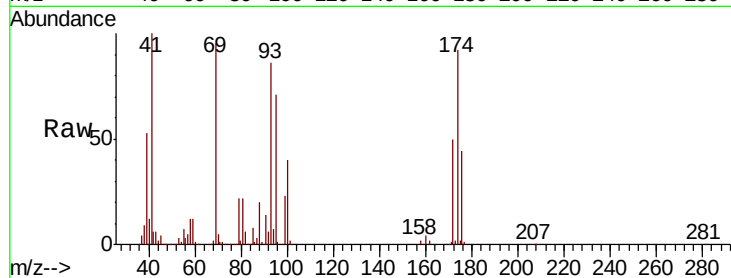
#49  
1,4-Dioxane  
Concen: 3173.295 ug/l  
RT: 9.31 min Scan# 1242  
Delta R.T. 0.00 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion   | 88   | Resp  | 76350 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 88        | 100  |       |       |
| 43        | 27.5 | 22.8  | 34.2  |
| 58        | 65.2 | 51.4  | 77.2  |

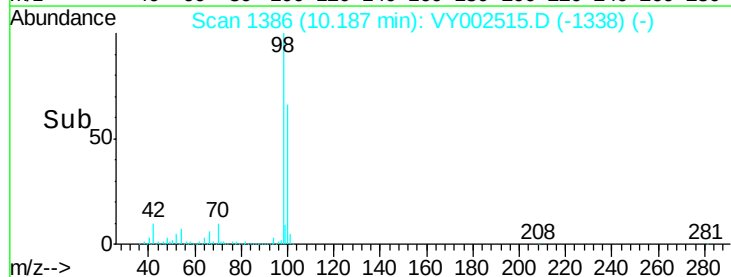
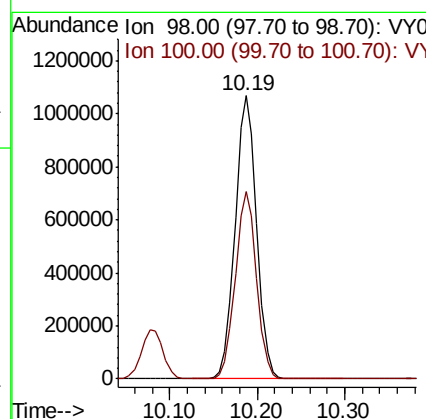
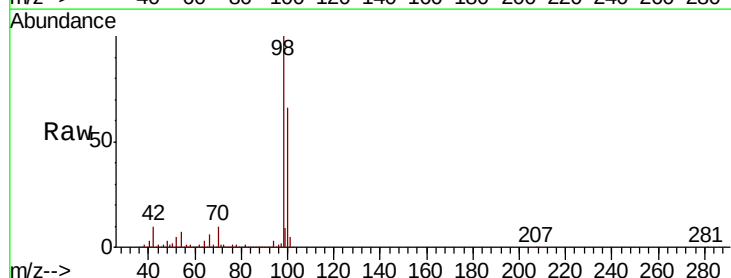
Manual Integrations  
APPROVED

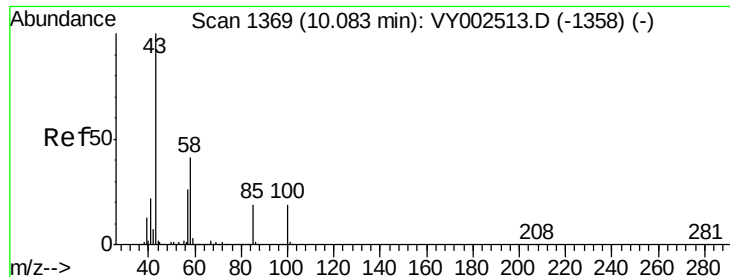
MMDadoda  
5/5/2020 4:31:13 PM



#50  
Toluene-d8  
Concen: 150.640 ug/l  
RT: 10.19 min Scan# 1386  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

| Tgt Ion   | 98   | Resp  | 1818388 |
|-----------|------|-------|---------|
| Ion Ratio | 100  | Lower | Upper   |
| 98        | 100  |       |         |
| 100       | 65.6 | 52.2  | 78.2    |





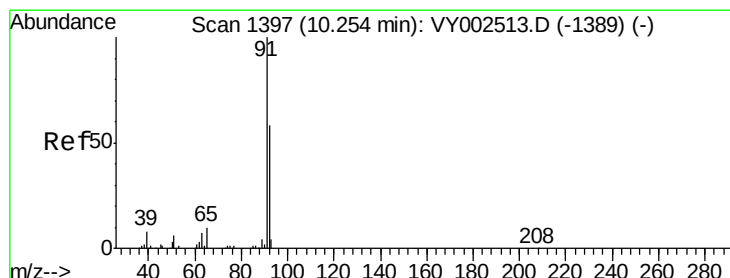
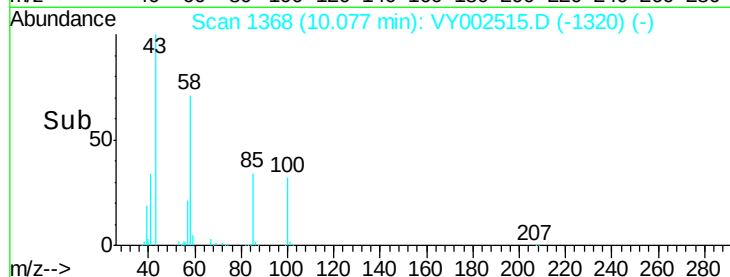
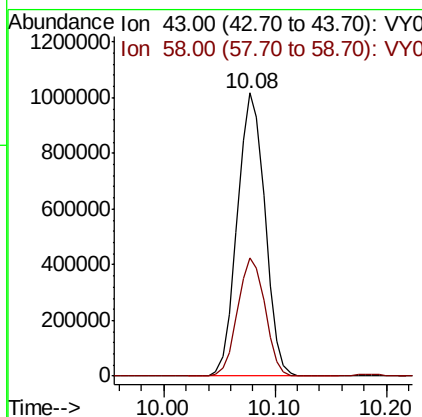
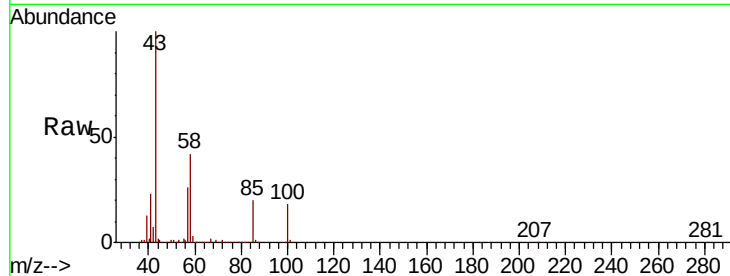
#51  
 4-Methyl-2-Pentanone  
 Concen: 776.156 ug/l  
 RT: 10.08 min Scan# 1368  
 Delta R.T. -0.01 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

Tot Ion: 43 Resp: 1746269  
 Ion Ratio Lower Upper  
 43 100  
 58 41.6 33.2 49.8

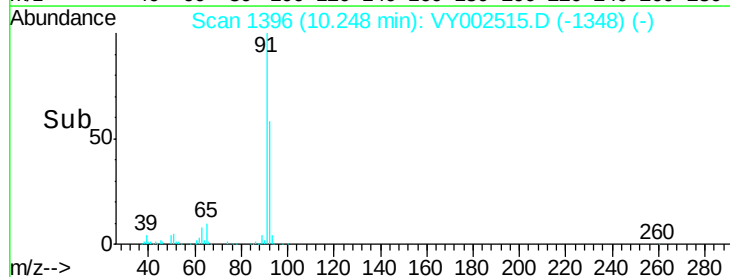
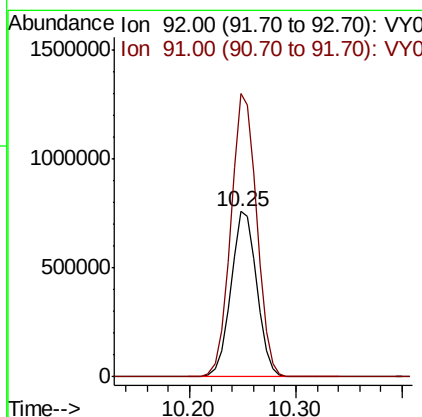
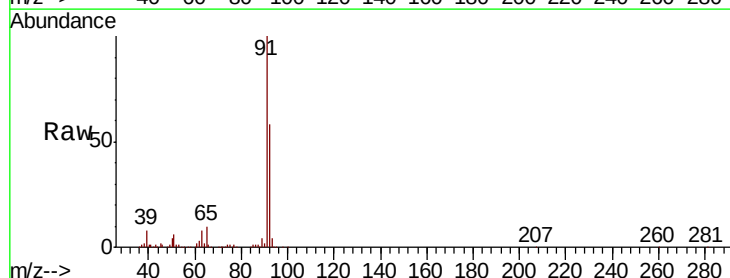
Manual Integrations  
 APPROVED

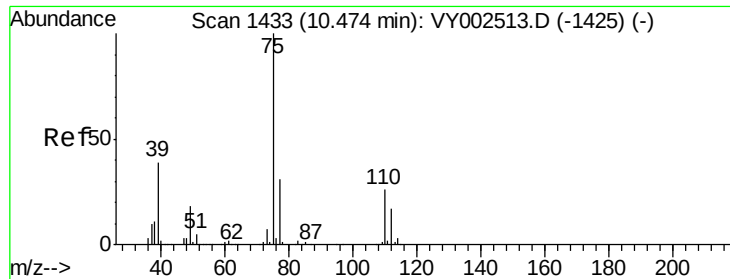
MMDadoda  
 5/5/2020 4:31:13 PM



#52  
 Toluene  
 Concen: 153.662 ug/l  
 RT: 10.25 min Scan# 1396  
 Delta R.T. -0.01 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

Tgt Ion: 92 Resp: 1292351  
 Ion Ratio Lower Upper  
 92 100  
 91 172.0 139.3 208.9





#53

t-1,3-Dichloropropene

Concen: 159.100 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. 0.00 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 736562

Ion Ratio Lower Upper

75 100

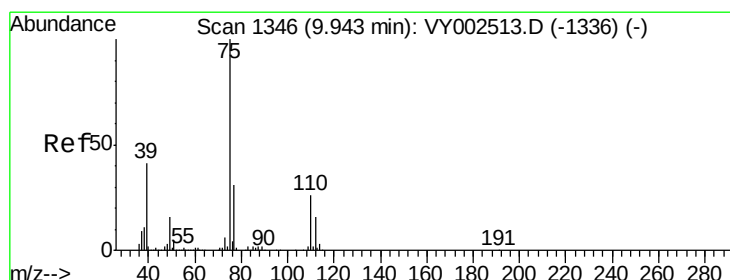
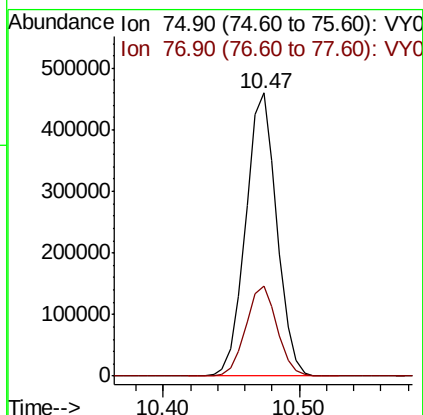
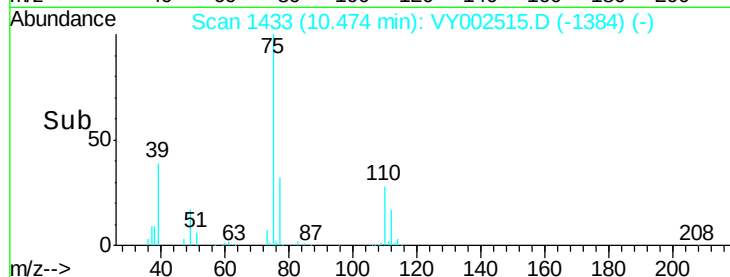
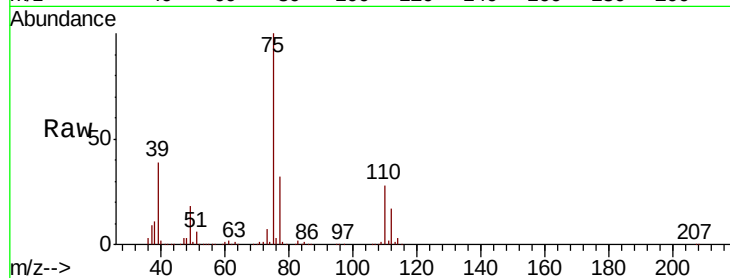
77 31.8 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

5/5/2020 4:31:13 PM



#54

cis-1,3-Dichloropropene

Concen: 155.518 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

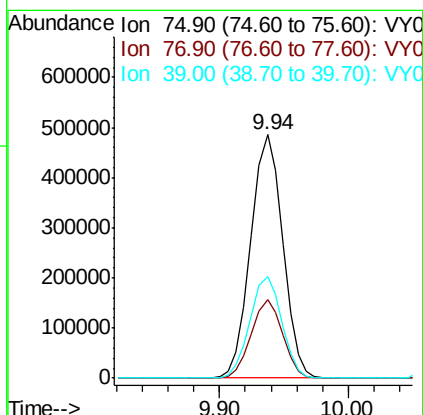
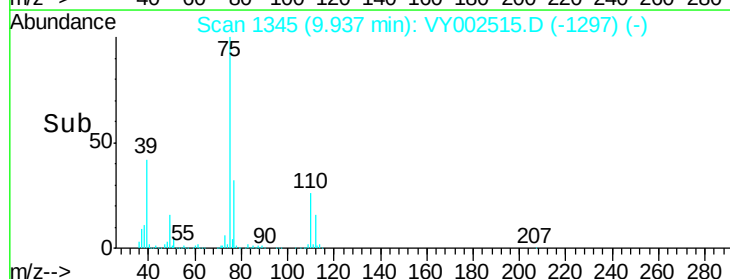
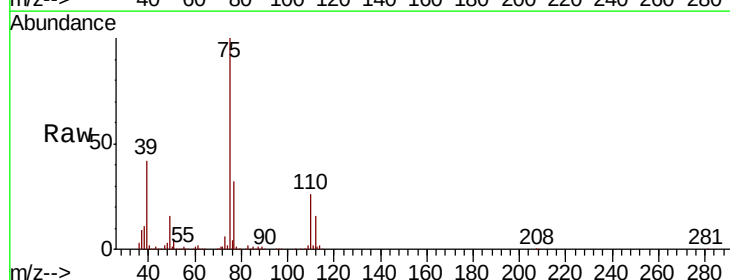
Tgt Ion: 75 Resp: 832329

Ion Ratio Lower Upper

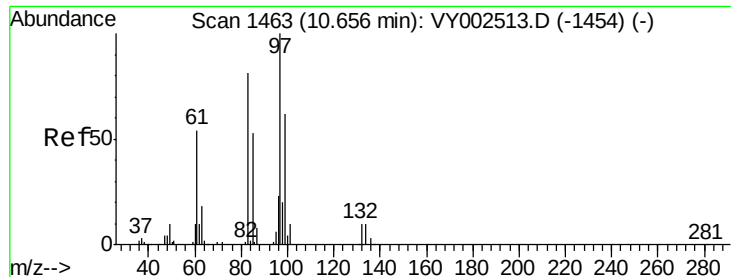
75 100

77 32.3 25.1 37.7

39 41.5 32.7 49.1







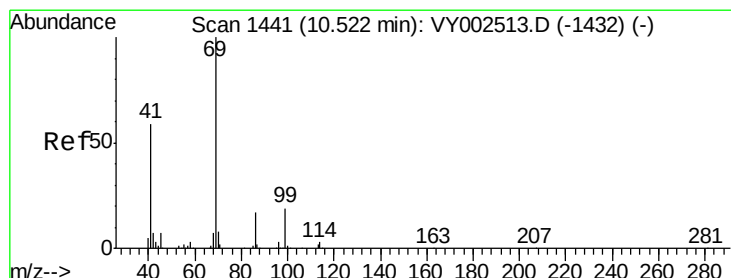
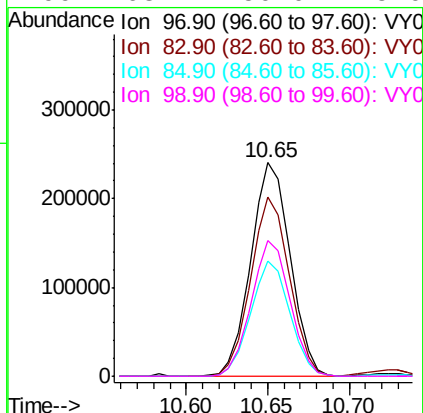
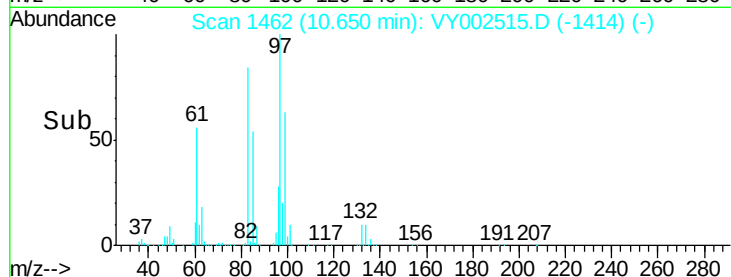
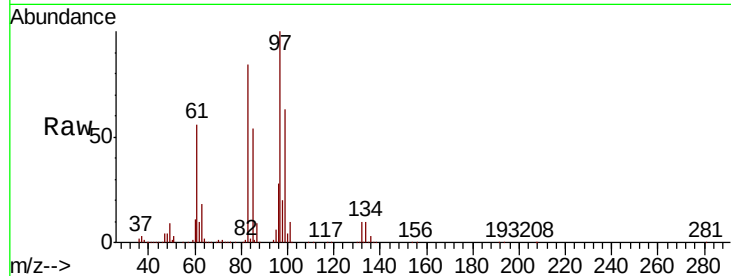
#55  
 1,1,2-Trichloroethane  
 Concen: 152.495 ug/l  
 RT: 10.65 min Scan# 1462  
 Delta R.T. -0.01 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 404107 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.1  | 65.1  | 97.7   |
| 85       | 53.9  | 42.7  | 64.1   |
| 99       | 63.4  | 50.0  | 75.0   |

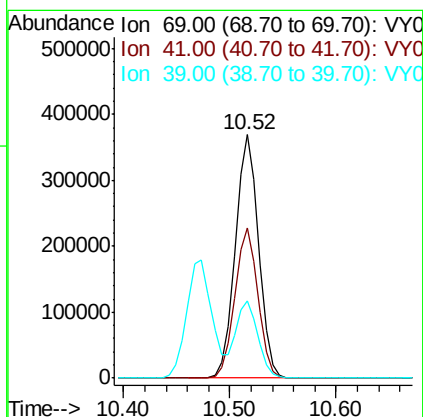
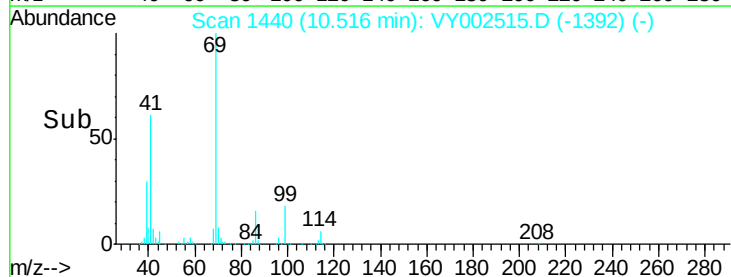
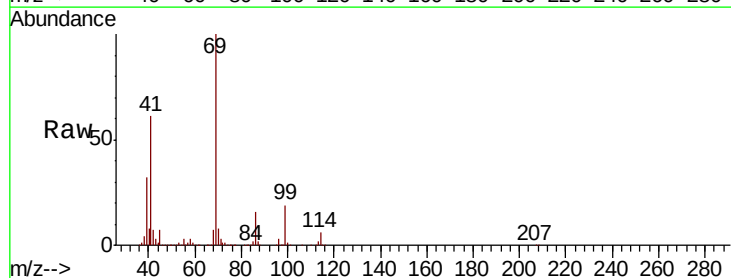
Manual Integrations  
 APPROVED

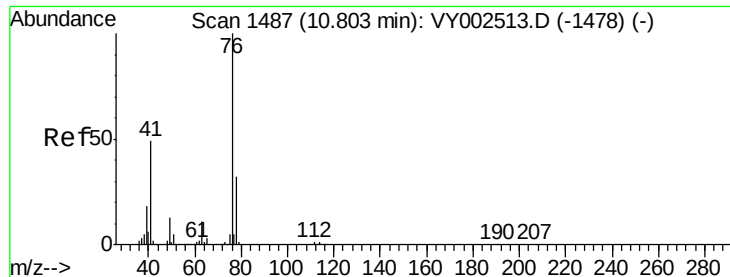
MMDadoda  
 5/5/2020 4:31:13 PM



#56  
 Ethyl methacrylate  
 Concen: 160.359 ug/l  
 RT: 10.52 min Scan# 1440  
 Delta R.T. -0.01 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 565309 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 61.0  | 48.6  | 73.0   |
| 39       | 31.7  | 25.0  | 37.4   |





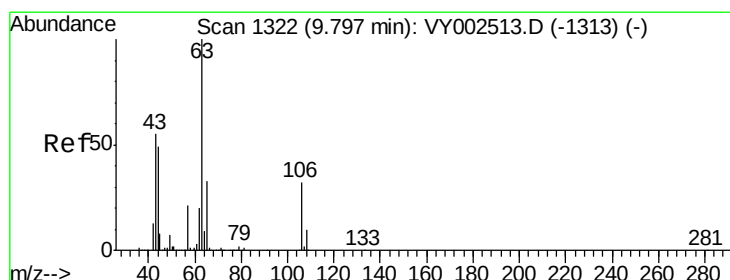
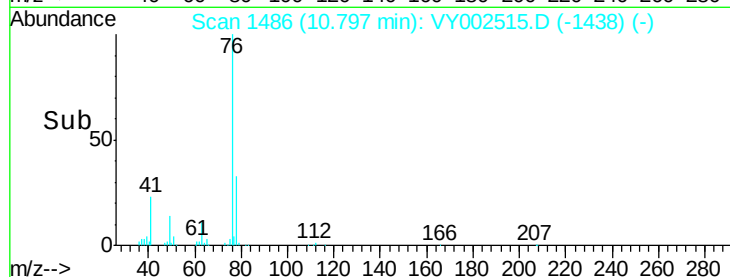
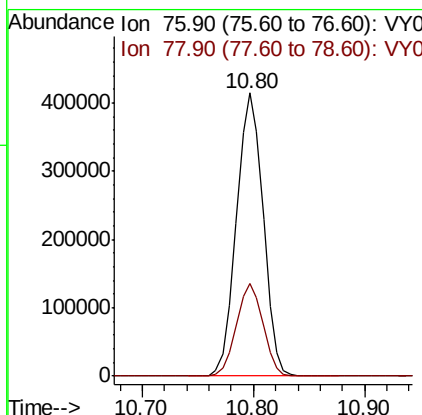
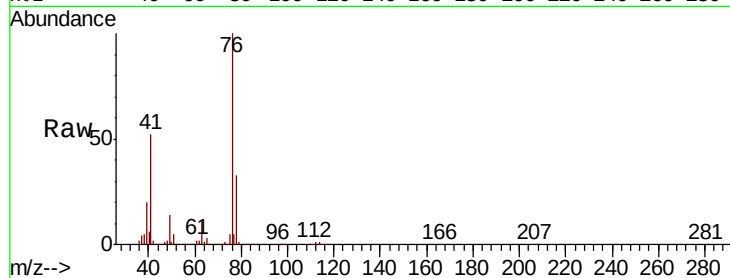
#57  
 1,3-Dichloropropane  
 Concen: 152.699 ug/l  
 RT: 10.80 min Scan# 1486  
 Delta R.T. -0.01 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.6  | 25.4  | 38.2  |

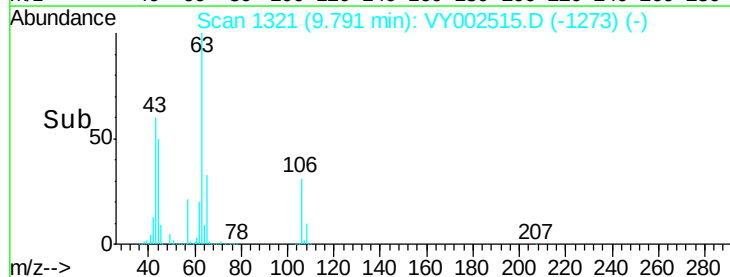
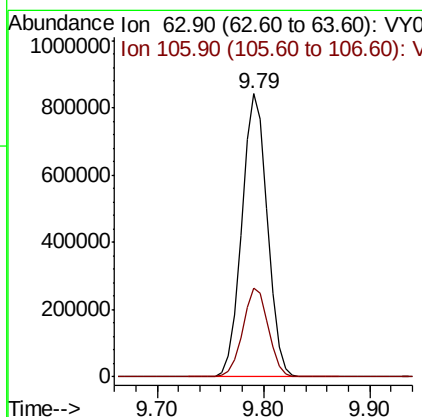
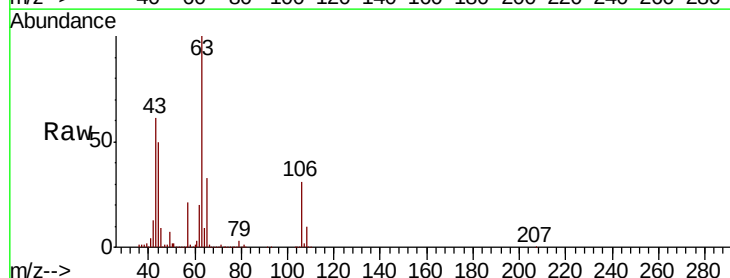
Manual Integrations  
 APPROVED

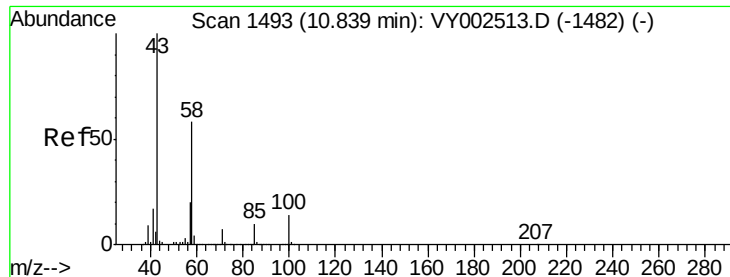
MMDadoda  
 5/5/2020 4:31:13 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 760.876 ug/l  
 RT: 9.79 min Scan# 1321  
 Delta R.T. -0.01 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 31.4  | 25.2  | 37.8  |





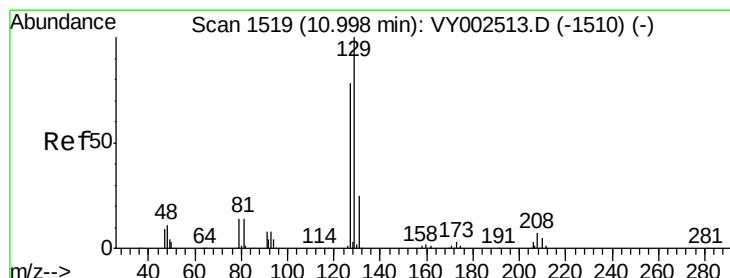
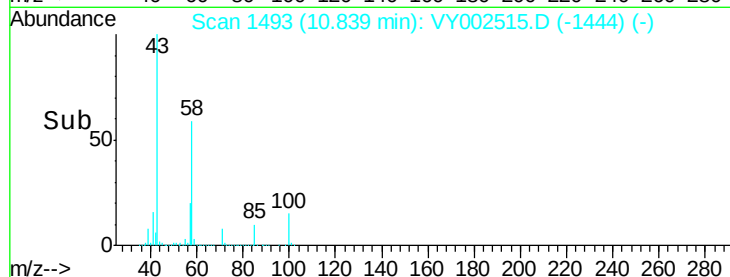
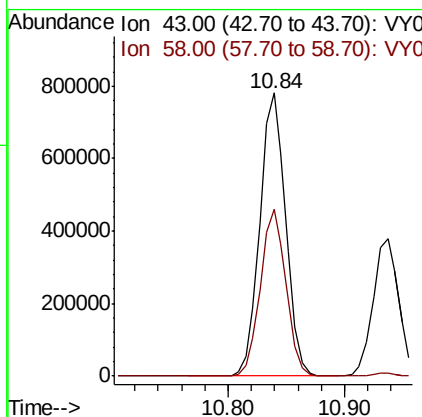
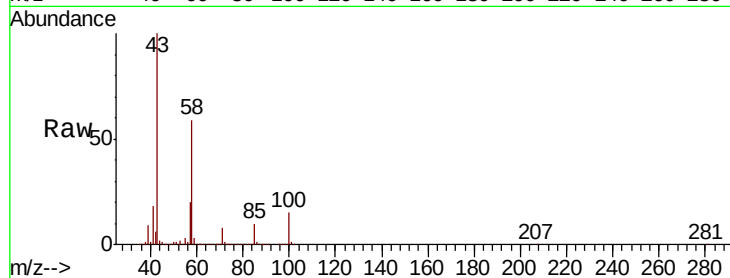
#59  
2-Hexanone  
Concen: 780.638 ug/l  
RT: 10.84 min Scan# 1493  
Delta R.T. 0.00 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

Tot Ion: 43 Resp: 1208844  
Ion Ratio Lower Upper  
43 100  
58 58.2 29.1 87.3

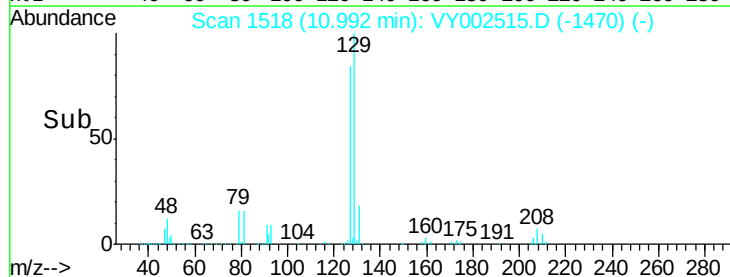
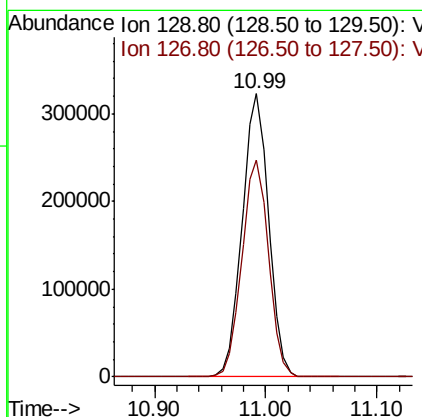
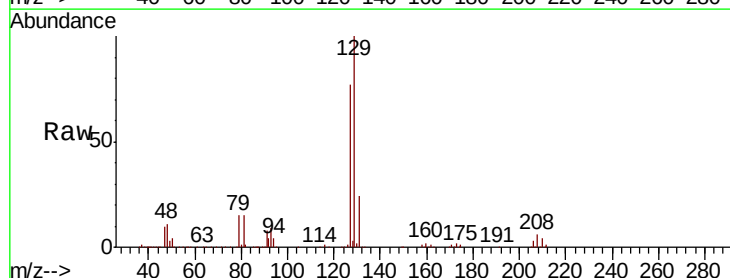
Manual Integrations  
APPROVED

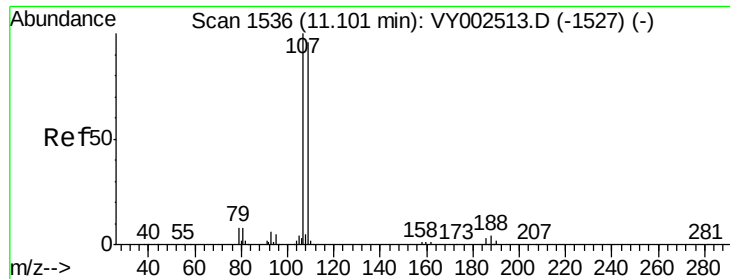
MMDadoda  
5/5/2020 4:31:13 PM



#60  
Dibromochloromethane  
Concen: 157.774 ug/l  
RT: 10.99 min Scan# 1518  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Tgt Ion: 129 Resp: 531764  
Ion Ratio Lower Upper  
129 100  
127 77.2 39.0 117.0





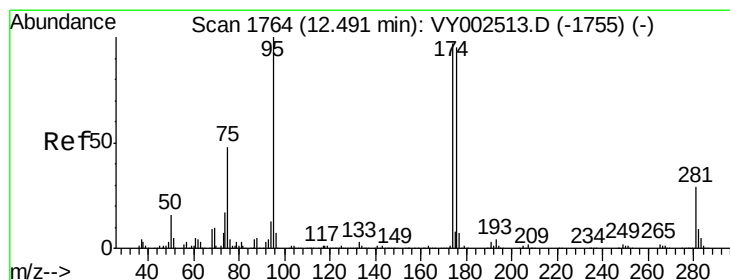
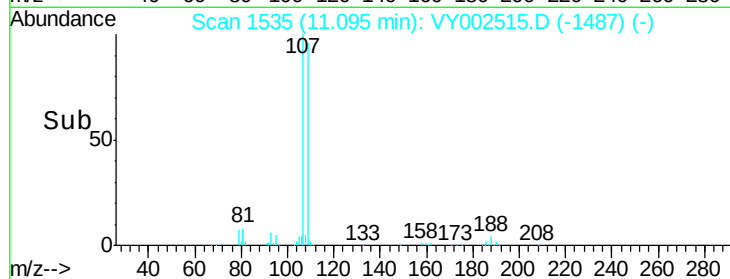
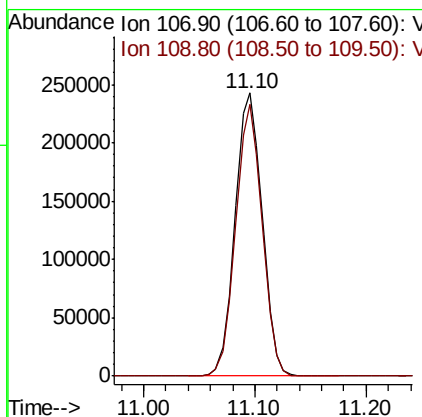
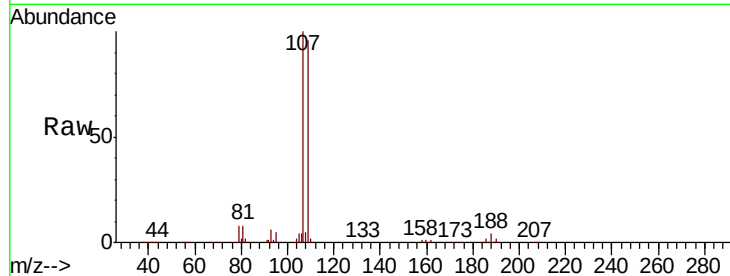
#61  
 1,2-Dibromoethane  
 Concen: 155.193 ug/l  
 RT: 11.10 min Scan# 1535  
 Delta R.T. -0.01 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.0  | 75.8  | 113.8 |

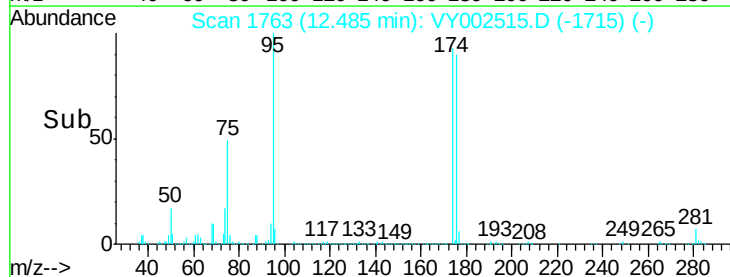
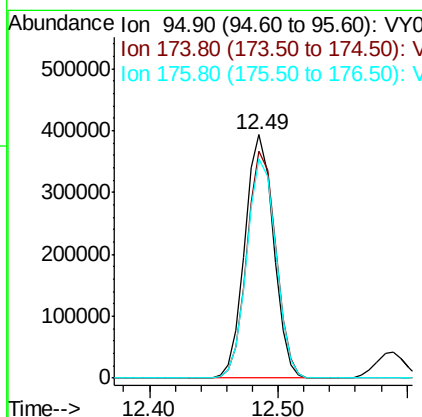
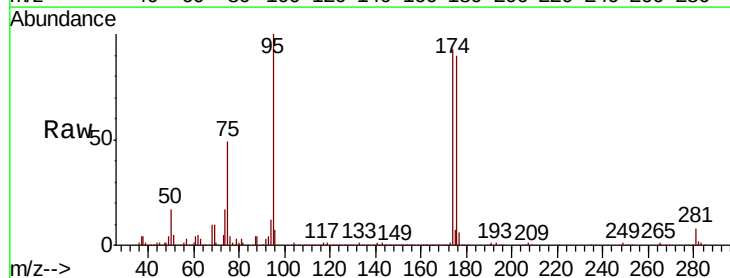
Manual Integrations  
 APPROVED

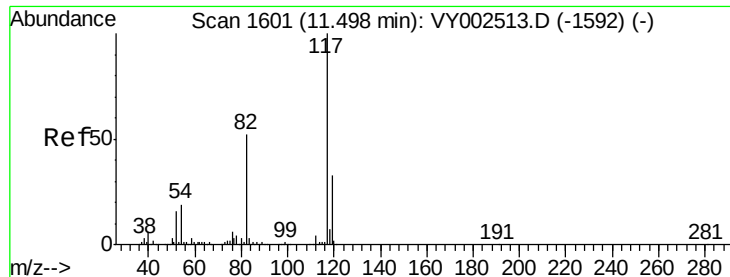
MMDadoda  
 5/5/2020 4:31:13 PM



#62  
 4-Bromofluorobenzene  
 Concen: 148.274 ug/l  
 RT: 12.49 min Scan# 1763  
 Delta R.T. -0.01 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 93.4  | 0.0   | 188.8 |
| 176     | 90.8  | 0.0   | 183.2 |





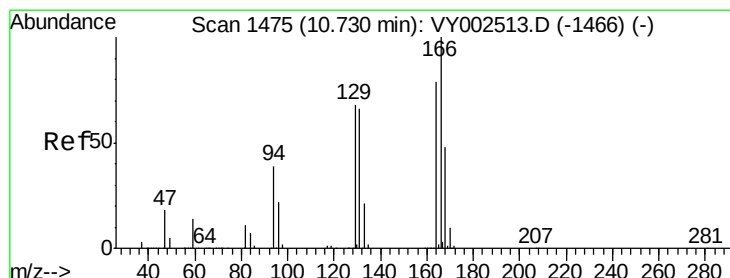
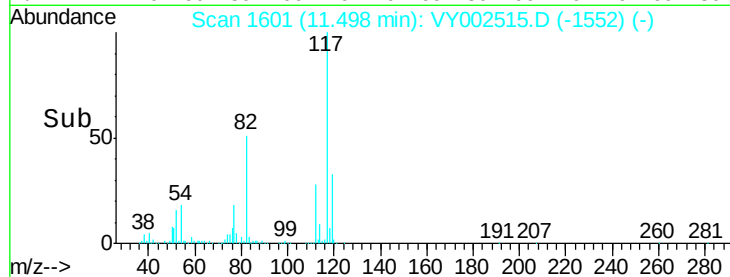
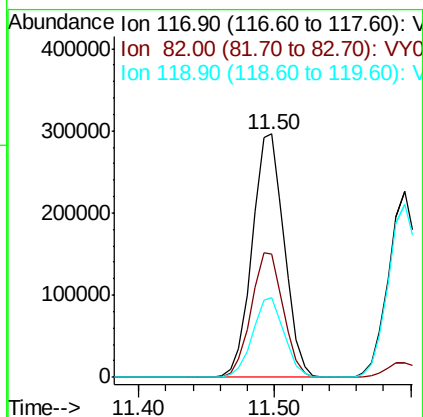
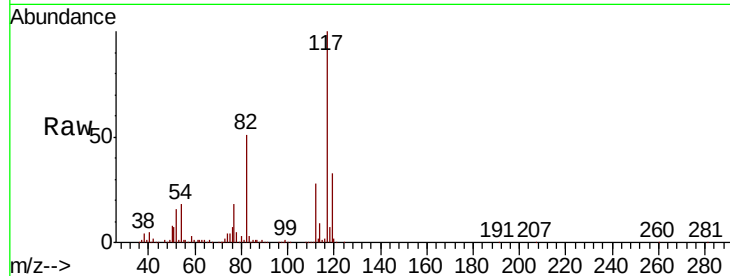
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. 0.00 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 490255 |       |       |
| 82      | 50.6  |        | 41.3  | 61.9  |
| 119     | 33.0  |        | 26.0  | 39.0  |

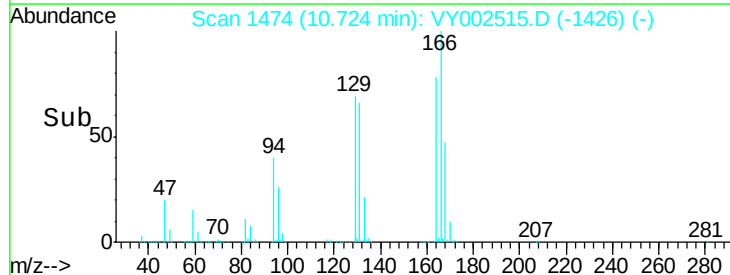
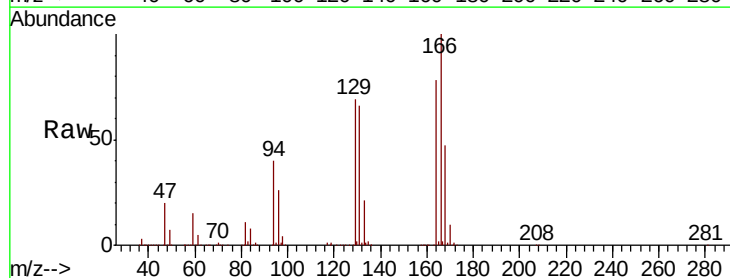
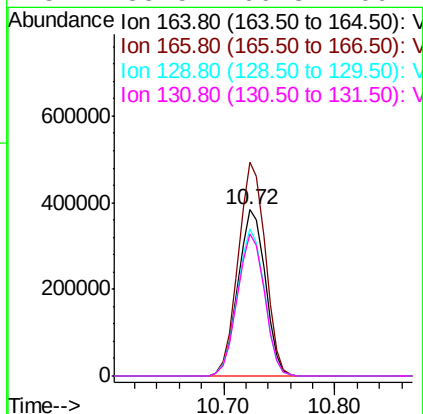
Manual Integrations  
APPROVED

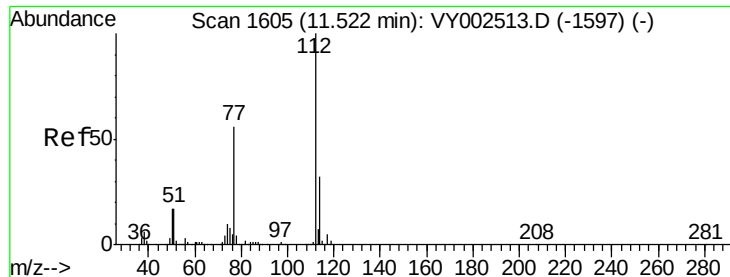
MMDadoda  
5/5/2020 4:31:13 PM



#64  
Tetrachloroethene  
Concen: 149.777 ug/l  
RT: 10.72 min Scan# 1474  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 652413 |       |       |
| 166     | 128.6 |        | 100.7 | 151.1 |
| 129     | 88.5  |        | 68.3  | 102.5 |
| 131     | 85.5  |        | 66.8  | 100.2 |





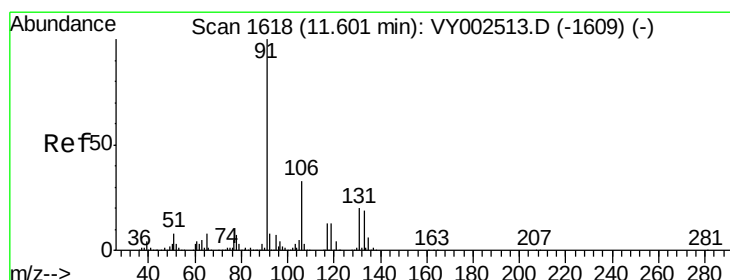
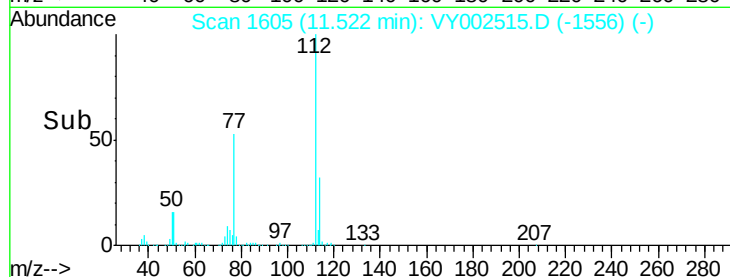
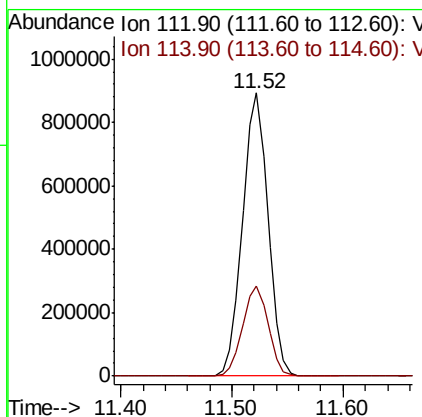
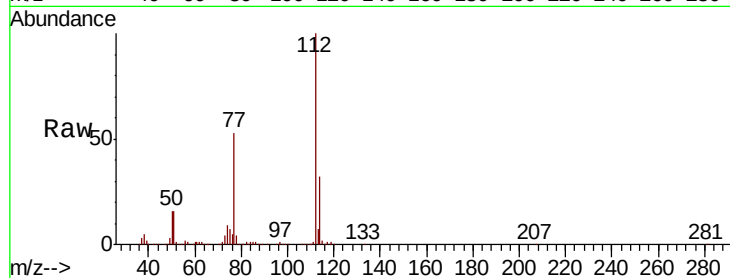
#65  
Chlorobenzene  
Concen: 152.308 ug/l  
RT: 11.52 min Scan# 1605  
Delta R.T. 0.00 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

Tot Ion:112 Resp: 1419470  
Ion Ratio Lower Upper  
112 100  
114 31.8 25.8 38.6

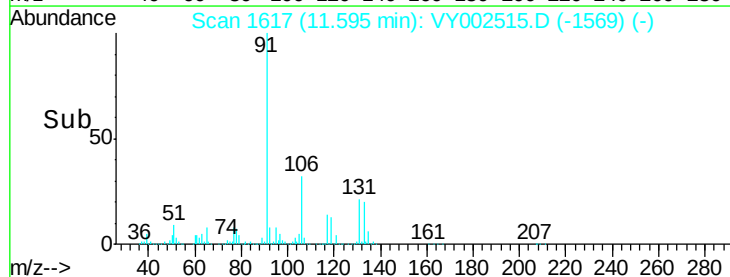
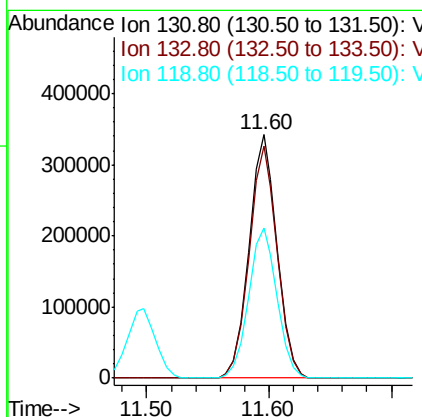
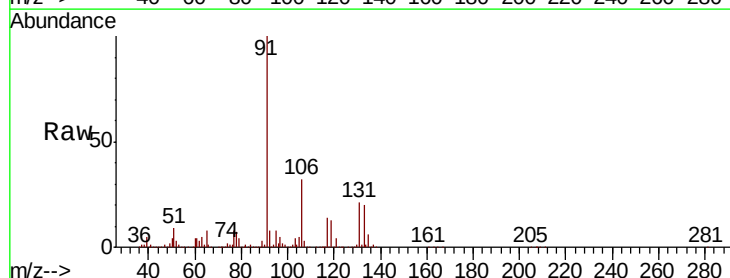
Manual Integrations  
APPROVED

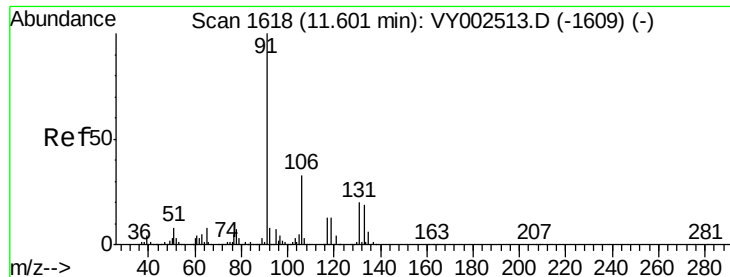
MMDadoda  
5/5/2020 4:31:13 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 156.747 ug/l  
RT: 11.60 min Scan# 1617  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Tgt Ion:131 Resp: 542270  
Ion Ratio Lower Upper  
131 100  
133 95.6 48.1 144.4  
119 62.7 31.6 95.0





#67

Ethyl Benzene

Concen: 153.821 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2518168

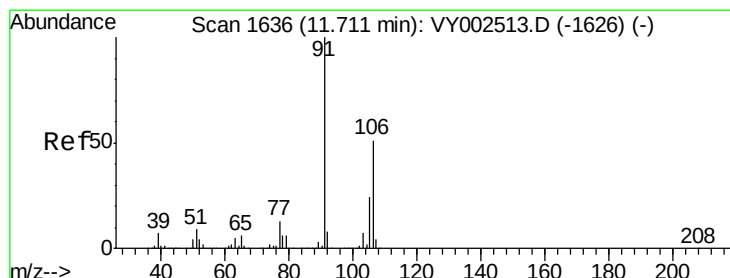
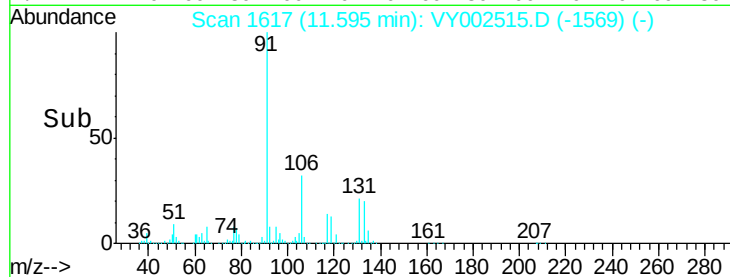
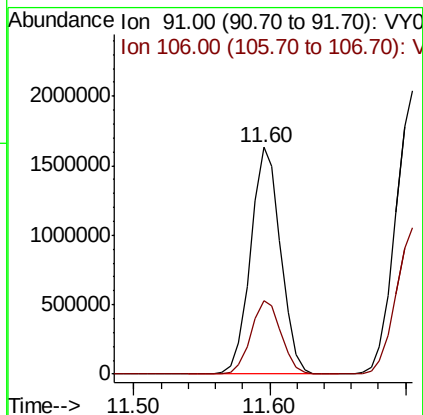
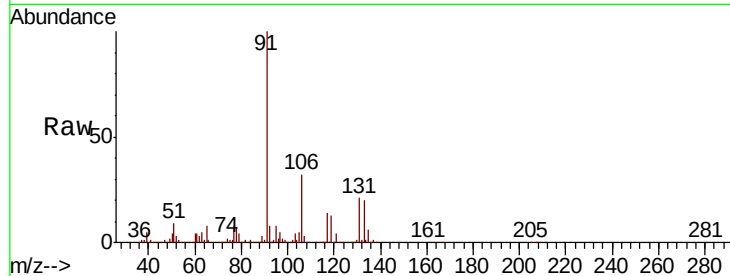
Ion Ratio Lower Upper

91 100

106 32.2 26.1 39.1

Manual Integrations  
APPROVED

MMDadoda  
5/5/2020 4:31:13 PM



#68

m/p-Xylenes

Concen: 307.991 ug/l

RT: 11.71 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY002515.D

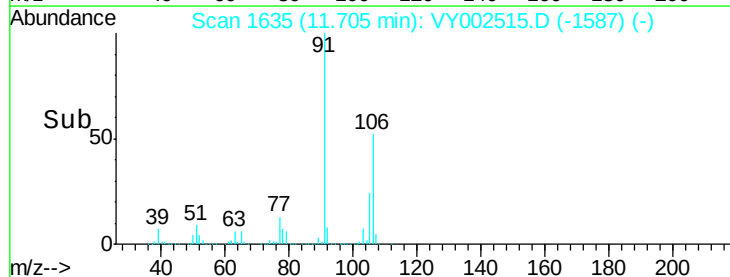
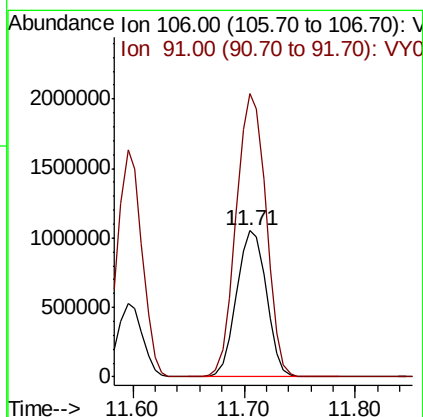
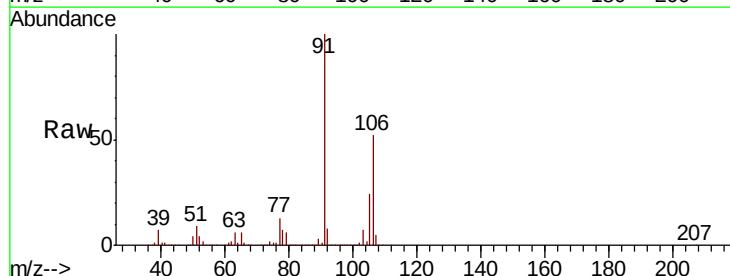
Acq: 30 Apr 2020 16:05

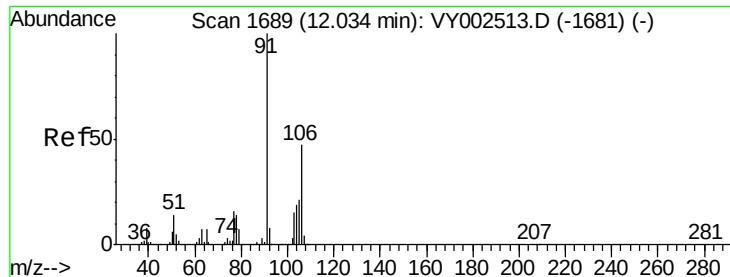
Tgt Ion: 106 Resp: 1950883

Ion Ratio Lower Upper

106 100

91 194.3 155.2 232.8





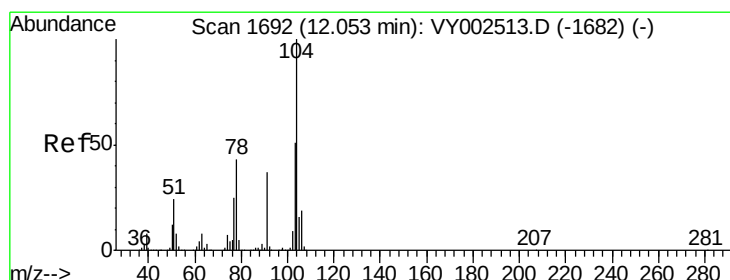
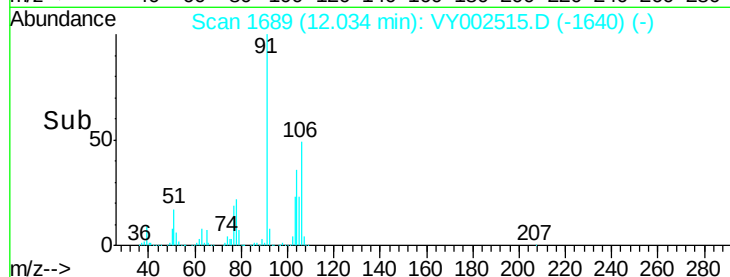
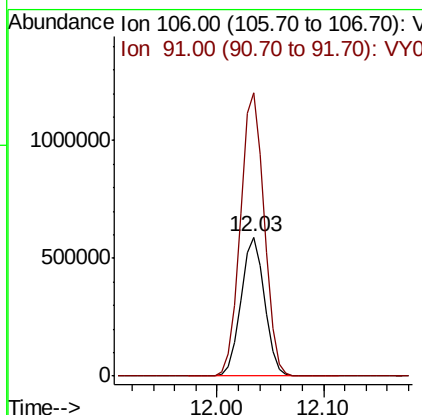
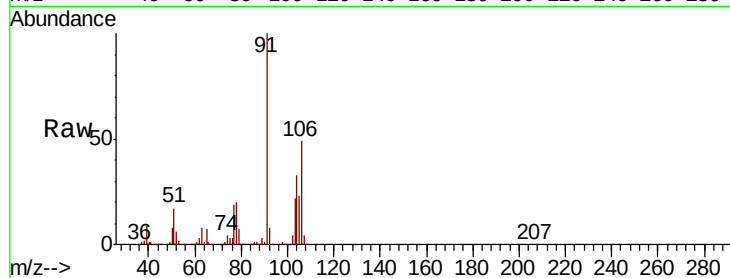
#69  
o-Xylene  
Concen: 154.744 ug/l  
RT: 12.03 min Scan# 1689  
Delta R.T. 0.00 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 106     | 106 | 100   |       |       |
| 91      | 91  | 205.8 | 103.8 | 311.3 |

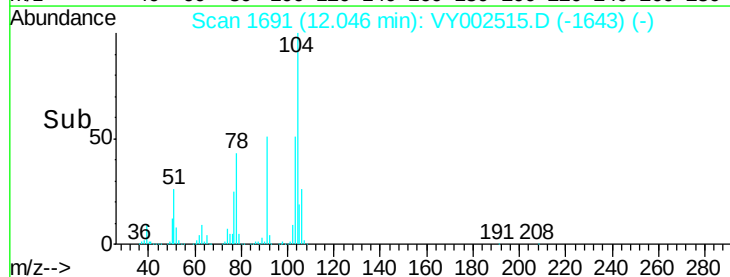
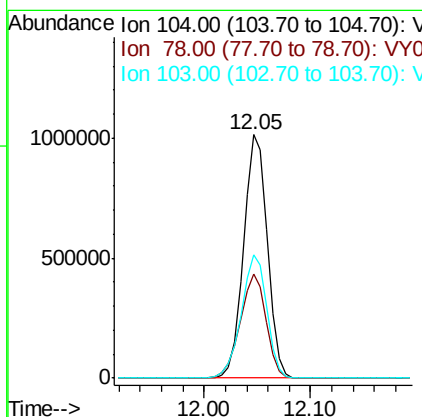
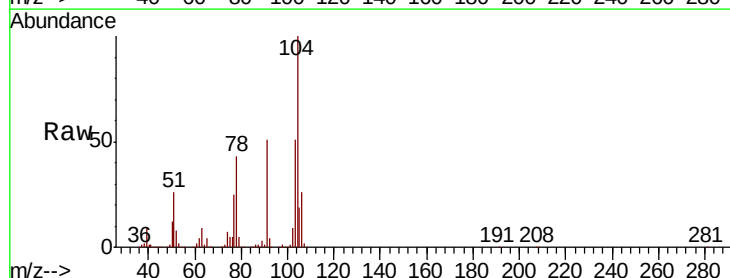
Manual Integrations  
APPROVED

MMDadoda  
5/5/2020 4:31:13 PM

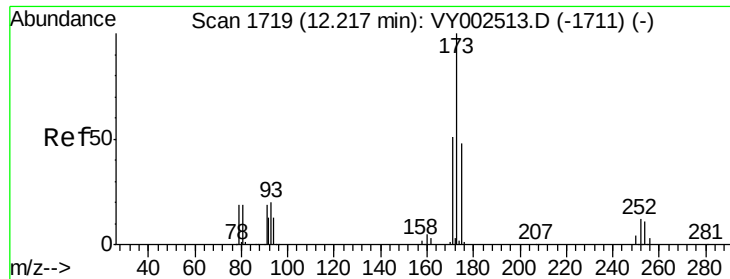


#70  
Styrene  
Concen: 156.468 ug/l  
RT: 12.05 min Scan# 1691  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 104     | 104 | 100   |       |       |
| 78      | 78  | 46.6  | 37.4  | 56.0  |
| 103     | 103 | 54.4  | 43.9  | 65.9  |







#71

Bromoform

Concen: 159.707 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

Instrument :

MSVOA\_Y

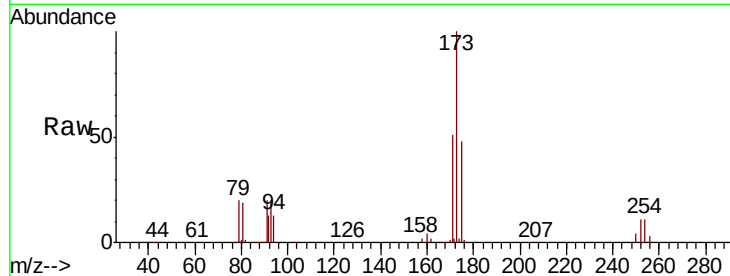
ClientSampleId :

VSTDIC150

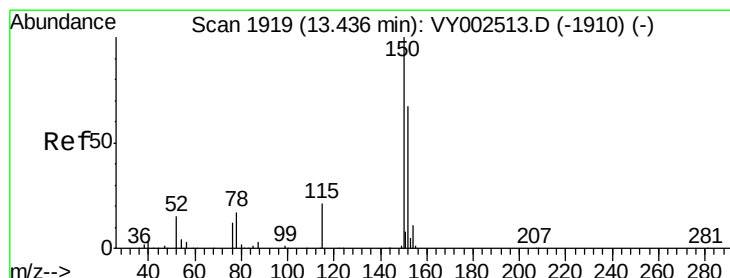
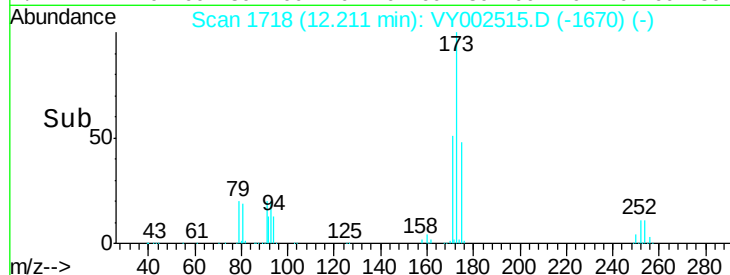
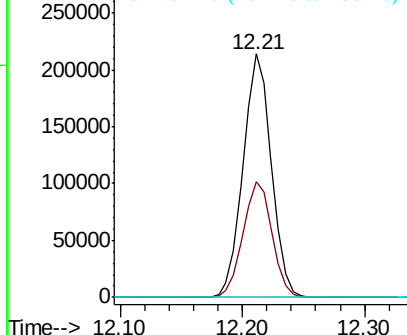
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 173   | Resp: | 342926 |
| Ion Ratio | Lower | Upper |        |
| 173       | 100   |       |        |
| 175       | 48.7  | 24.3  | 72.8   |
| 254       | 0.2   | 0.2   | 0.2    |

Manual Integrations  
APPROVED

MMDadoda  
5/5/2020 4:31:13 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

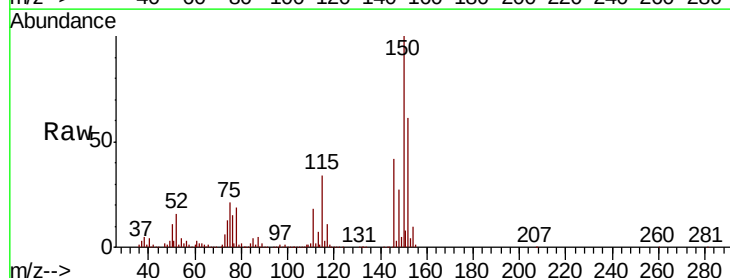
RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

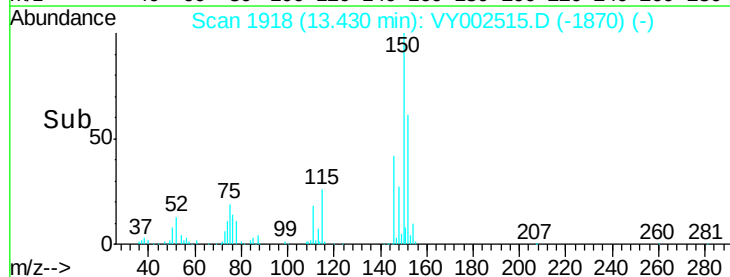
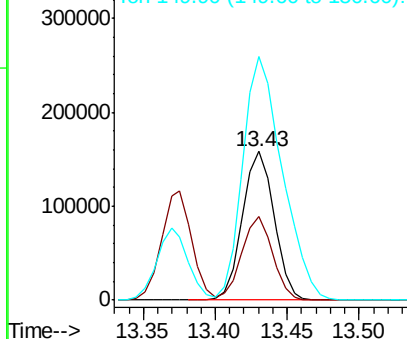
Lab File: VY002515.D

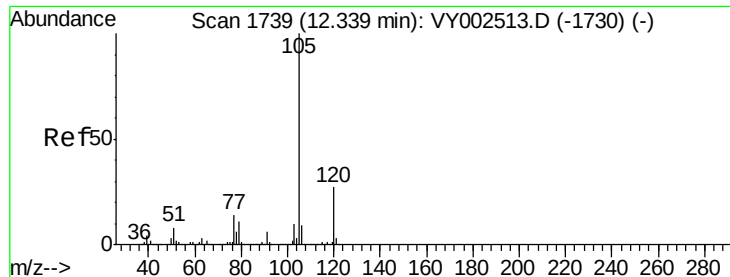
Acq: 30 Apr 2020 16:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 241492 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 54.7  | 27.5  | 82.4   |
| 150       | 204.0 | 0.0   | 346.4  |



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





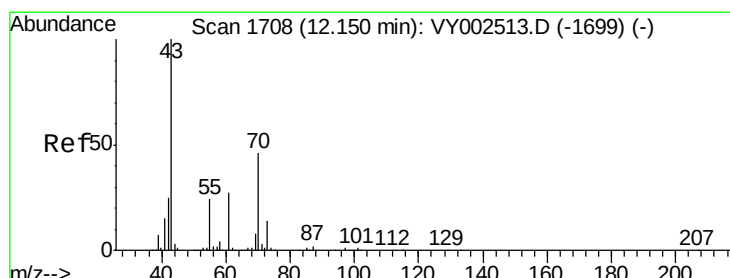
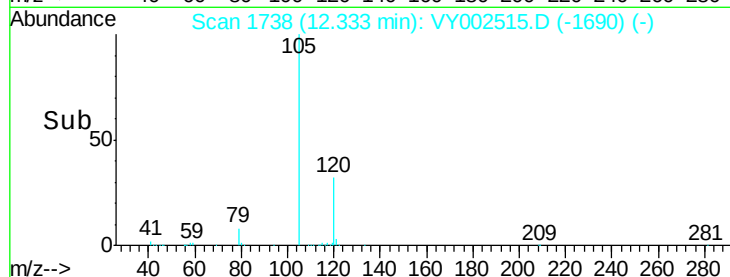
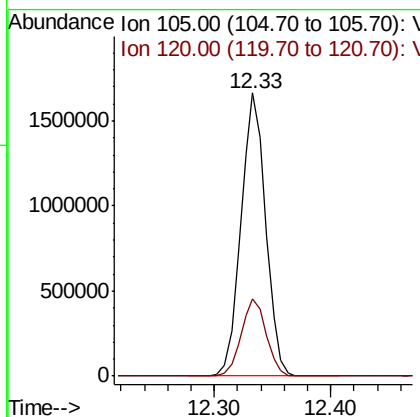
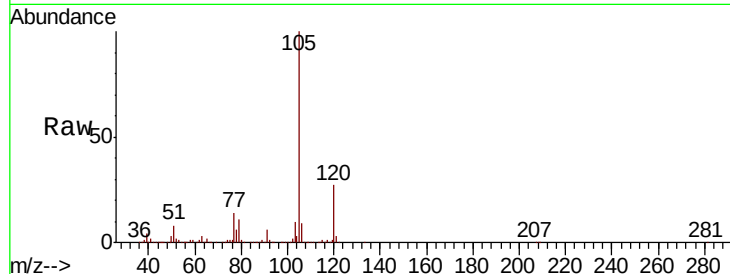
#73  
Isopropylbenzene  
Concen: 156.992 ug/l  
RT: 12.33 min Scan# 1738  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

Tot Ion:105 Resp: 2457082  
Ion Ratio Lower Upper  
105 100  
120 27.6 13.8 41.3

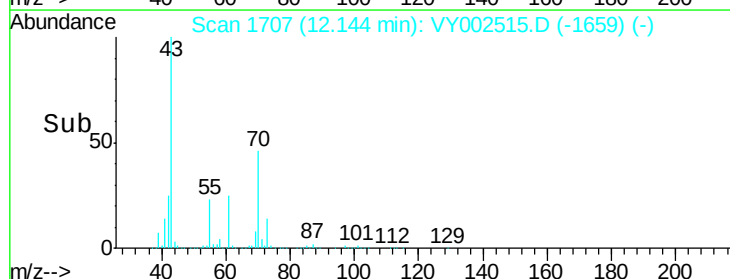
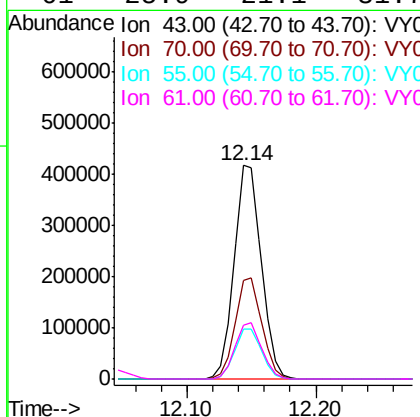
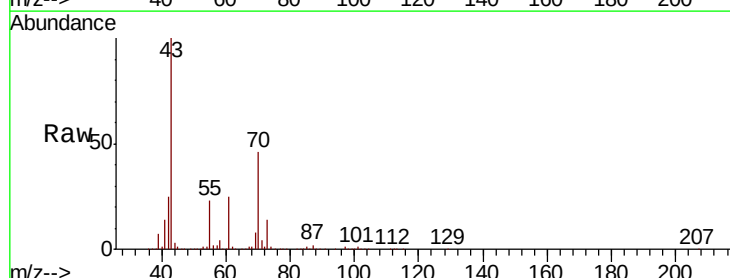
Manual Integrations  
APPROVED

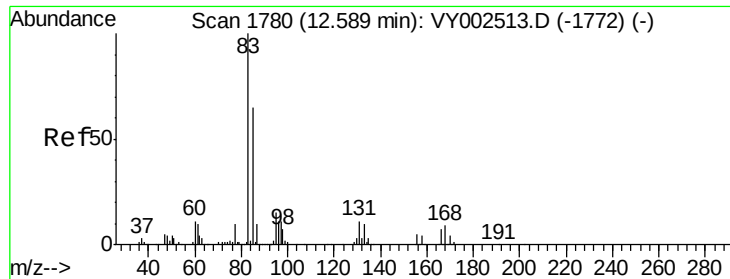
MMDadoda  
5/5/2020 4:31:13 PM



#74  
N-ethyl acetate  
Concen: 162.601 ug/l  
RT: 12.14 min Scan# 1707  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Tgt Ion: 43 Resp: 612180  
Ion Ratio Lower Upper  
43 100  
70 46.4 36.7 55.1  
55 23.6 19.2 28.8  
61 25.9 21.1 31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 160.384 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

Instrument :

MSVOA\_Y

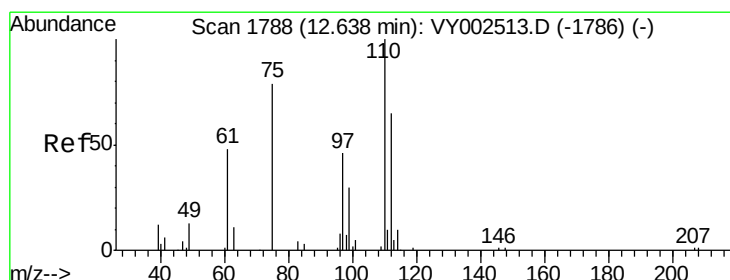
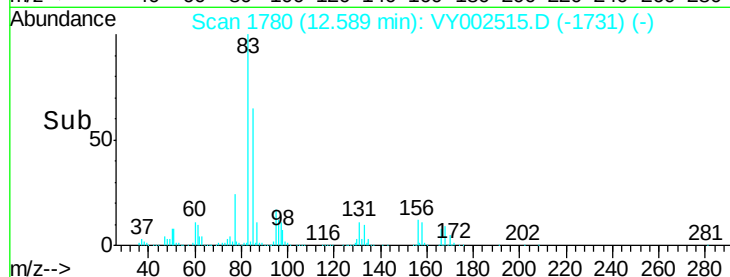
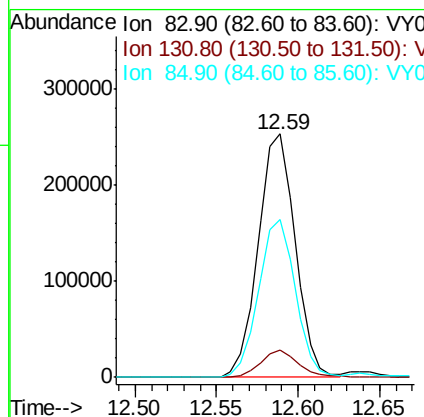
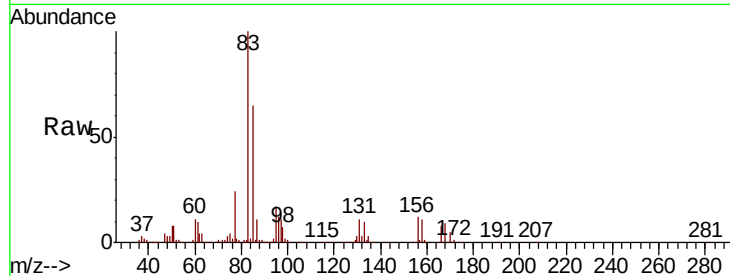
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 399207 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 11.6  | 5.9   | 17.8   |
| 85        | 64.6  | 31.9  | 95.9   |

Manual Integrations  
APPROVED

MMDadoda  
5/5/2020 4:31:13 PM



#76

1,2,3-Trichloropropane

Concen: 140.884 ug/l m

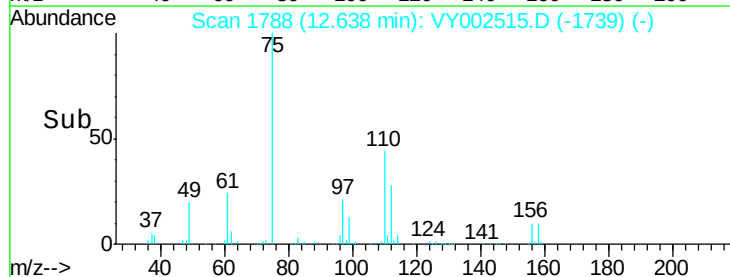
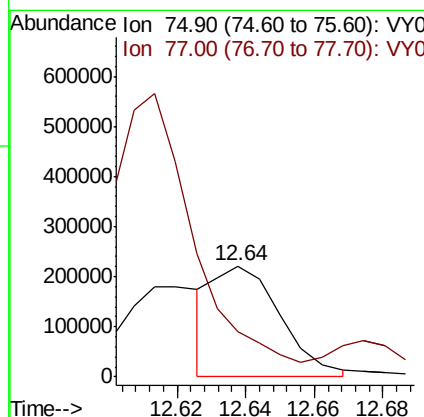
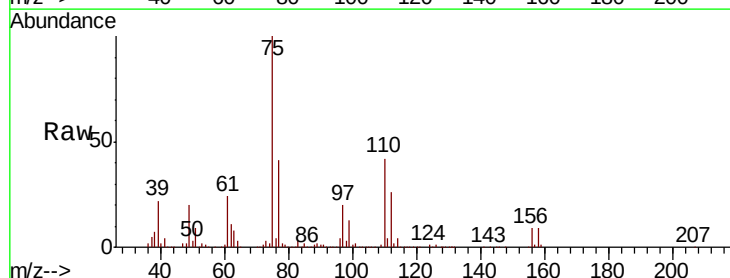
RT: 12.64 min Scan# 1788

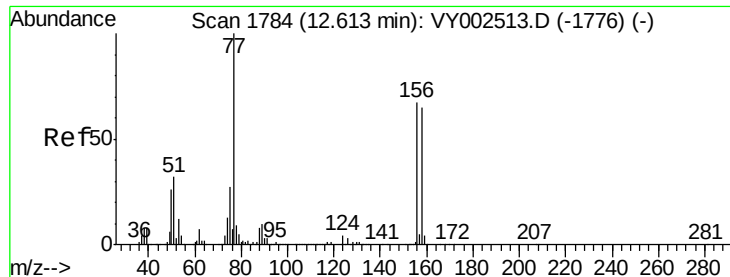
Delta R.T. 0.00 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 303688 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 156.993 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY002515.D

Acq: 30 Apr 2020 16:05

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 613882

Ion Ratio Lower Upper

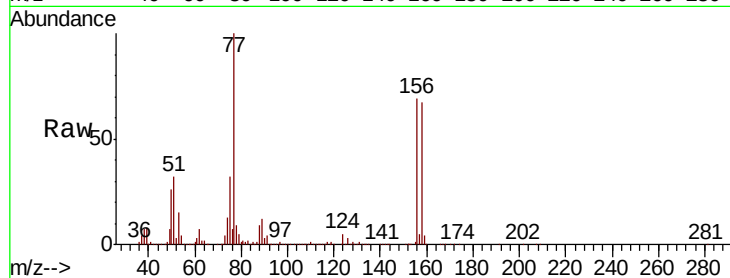
156 100

77 163.7 82.0 245.8

158 97.5 48.5 145.6

Manual Integrations  
APPROVED

MMDadoda  
5/5/2020 4:31:13 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V

600000

400000

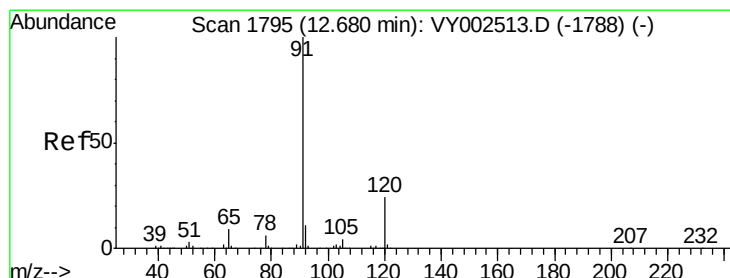
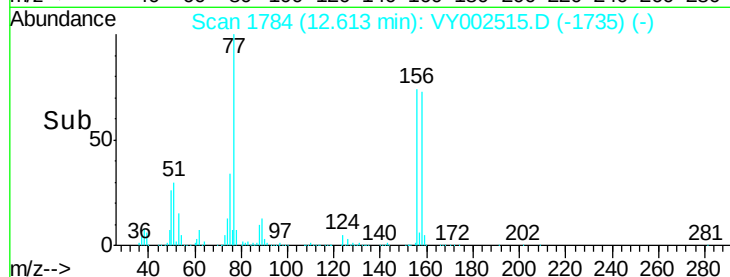
200000

0

12.60

12.70

Time-->



#78

n-propylbenzene

Concen: 155.080 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY002515.D

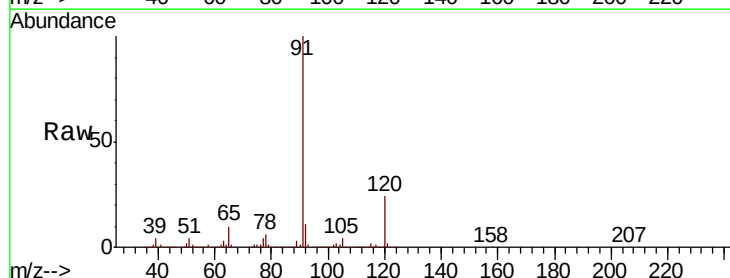
Acq: 30 Apr 2020 16:05

Tgt Ion: 91 Resp: 2816660

Ion Ratio Lower Upper

91 100

120 24.6 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

2000000

1500000

1000000

500000

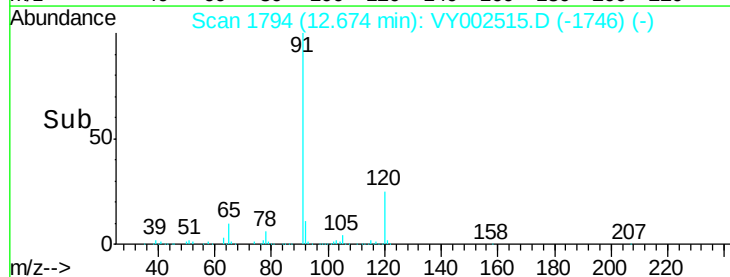
0

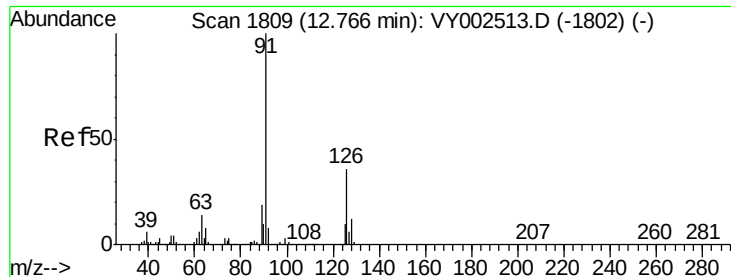
12.60

12.65

12.70

Time-->





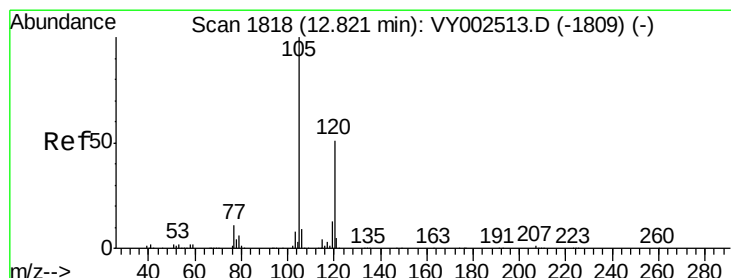
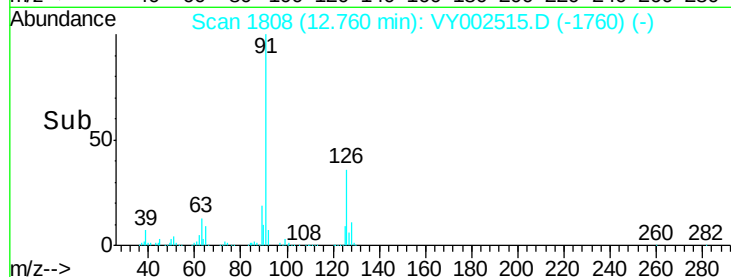
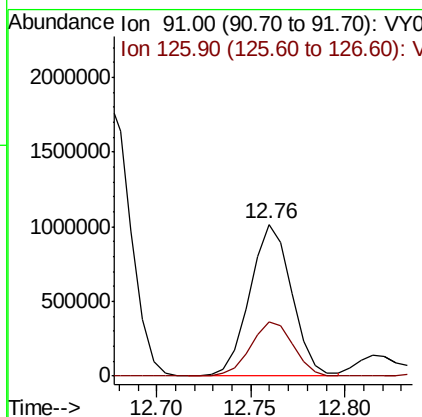
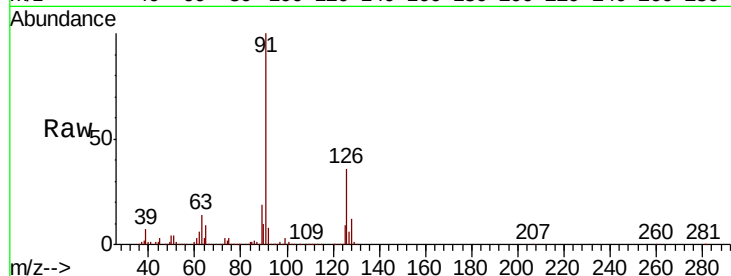
#79  
2-Chlorotoluene  
Concen: 155.739 ug/l  
RT: 12.76 min Scan# 1808  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

Tot Ion: 91 Resp: 1566865  
Ion Ratio Lower Upper  
91 100  
126 36.6 18.4 55.2

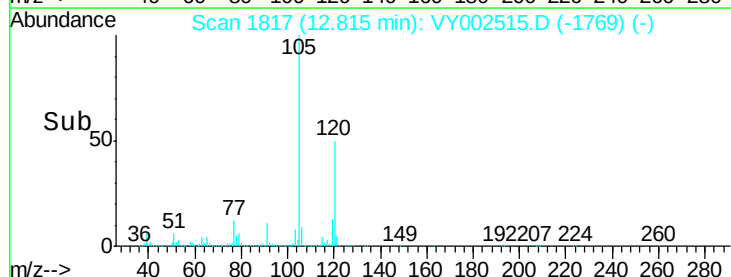
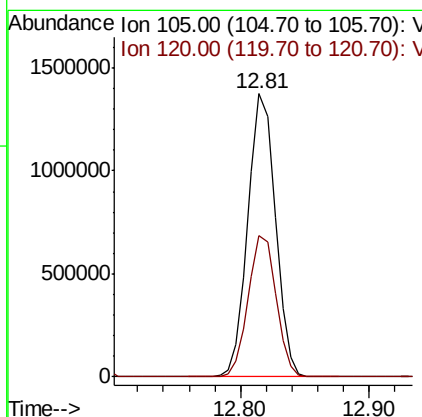
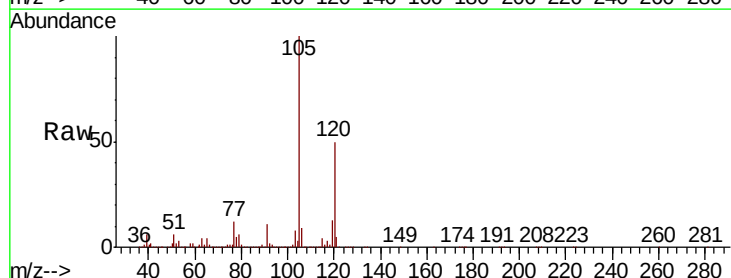
Manual Integrations  
APPROVED

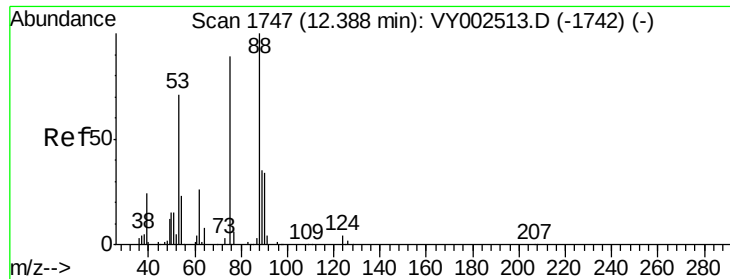
MMDadoda  
5/5/2020 4:31:13 PM



#80  
1,3,5-Trimethylbenzene  
Concen: 156.015 ug/l  
RT: 12.81 min Scan# 1817  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Tgt Ion:105 Resp: 2024059  
Ion Ratio Lower Upper  
105 100  
120 50.8 25.3 75.9





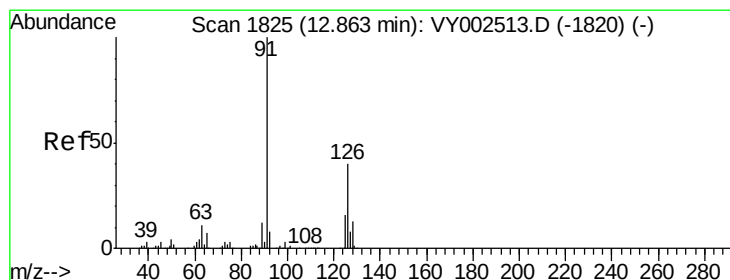
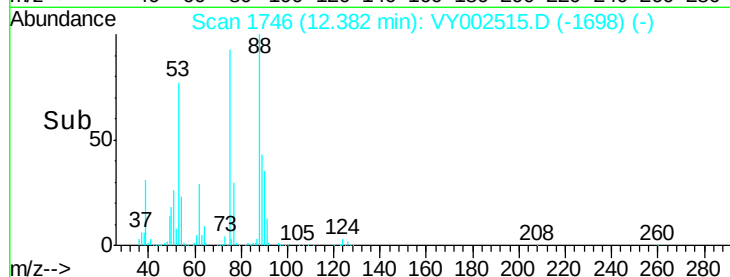
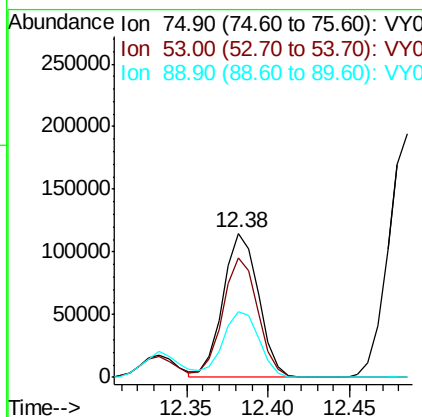
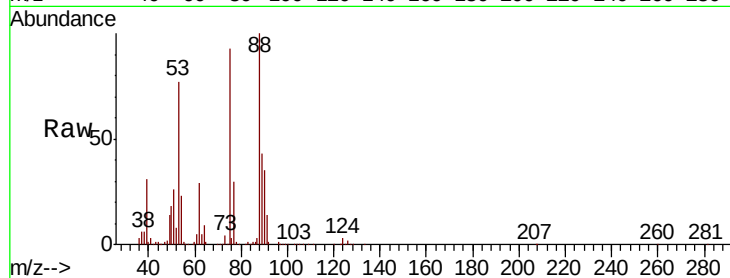
#81  
trans-1,4-Dichloro-2-butene  
Concen: 162.003 ug/l  
RT: 12.38 min Scan# 1746  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 82.9  | 67.4  | 101.0 |
| 89      | 47.1  | 37.4  | 56.0  |

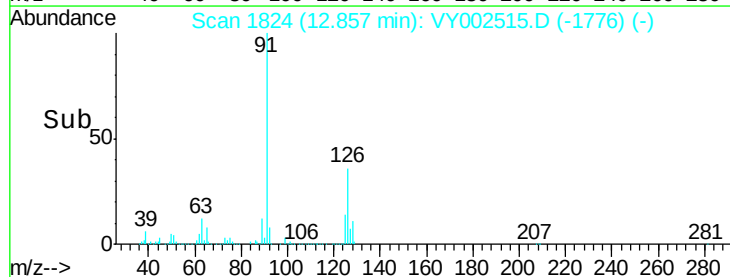
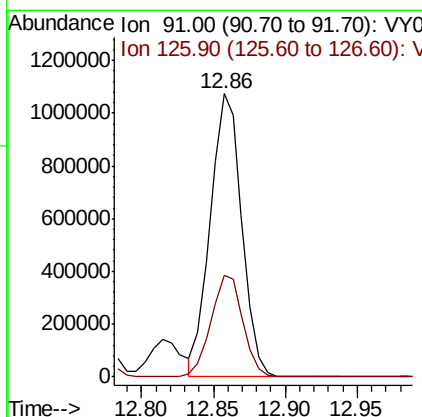
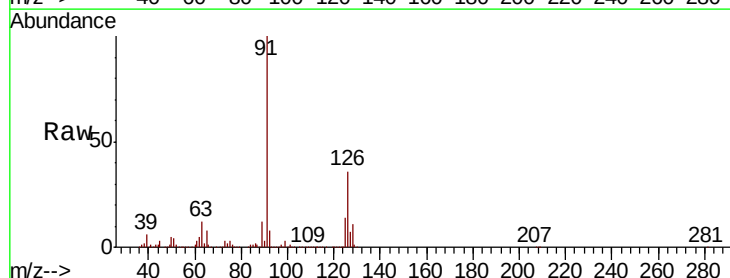
Manual Integrations  
APPROVED

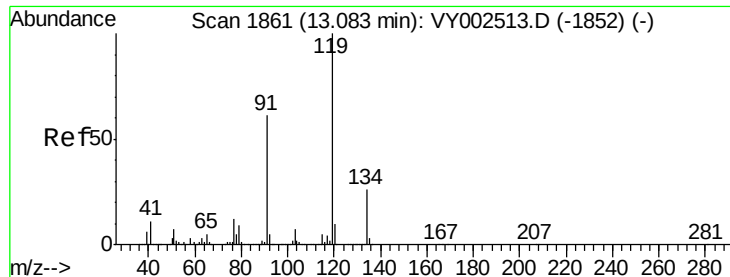
MMDadoda  
5/5/2020 4:31:13 PM



#82  
4-Chlorotoluene  
Concen: 153.957 ug/l  
RT: 12.86 min Scan# 1824  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 36.6  | 18.5  | 55.5  |





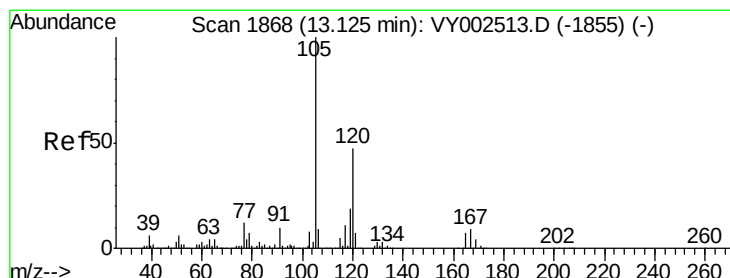
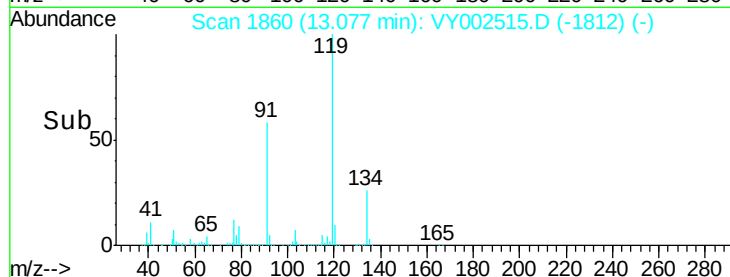
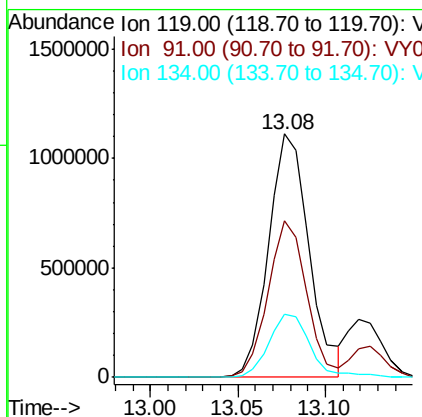
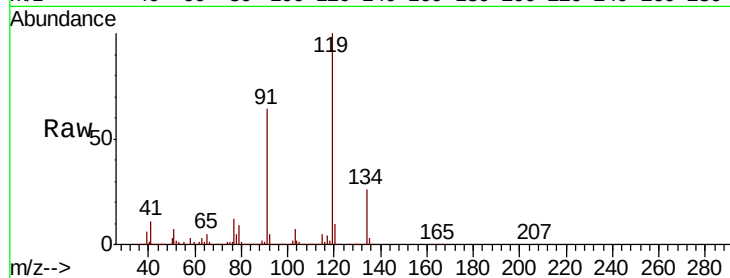
#83  
 tert-Butylbenzene  
 Concen: 158.116 ug/l  
 RT: 13.08 min Scan# 1860  
 Delta R.T. -0.01 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 61.0  | 30.6  | 91.6  |
| 134     | 26.6  | 13.5  | 40.4  |

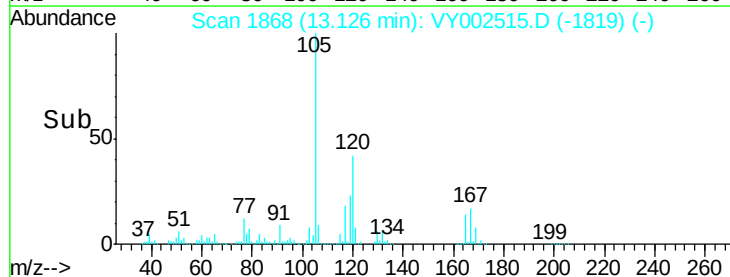
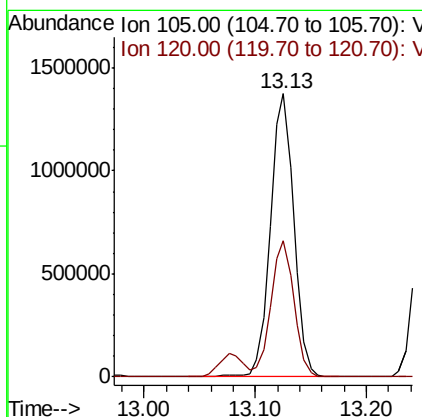
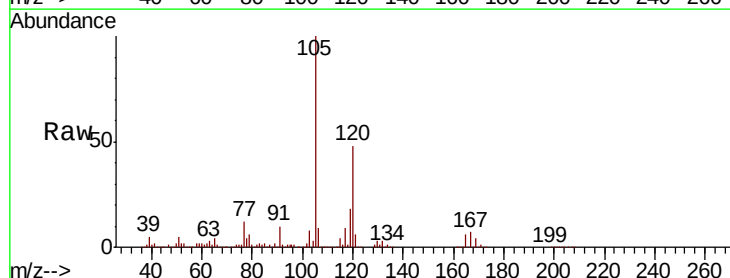
Manual Integrations  
 APPROVED

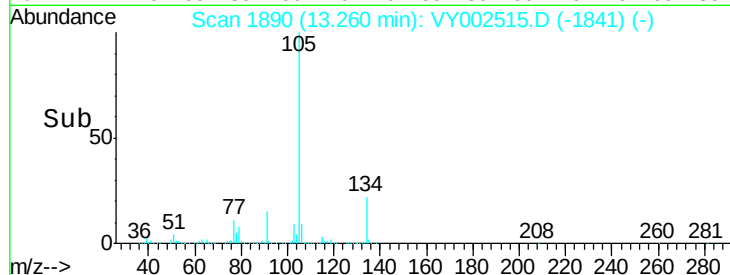
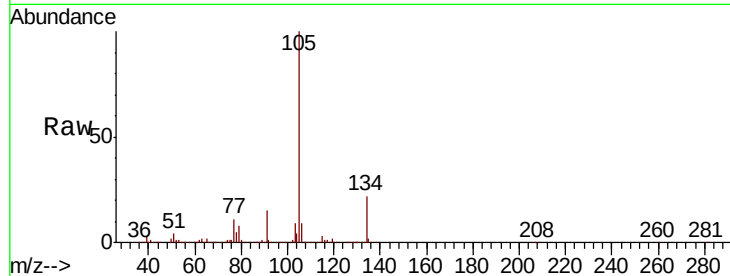
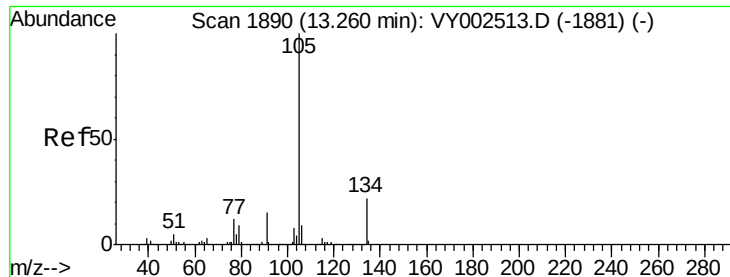
MMDadoda  
 5/5/2020 4:31:13 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 155.491 ug/l  
 RT: 13.13 min Scan# 1868  
 Delta R.T. 0.00 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 47.3  | 23.4  | 70.3  |





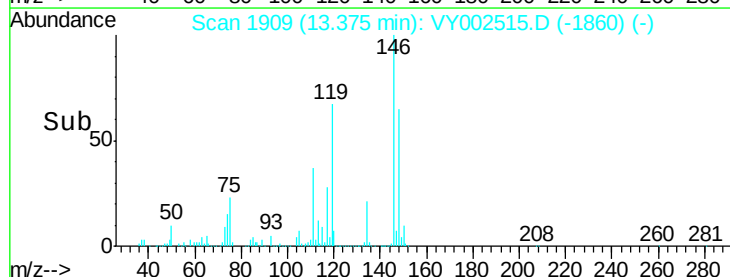
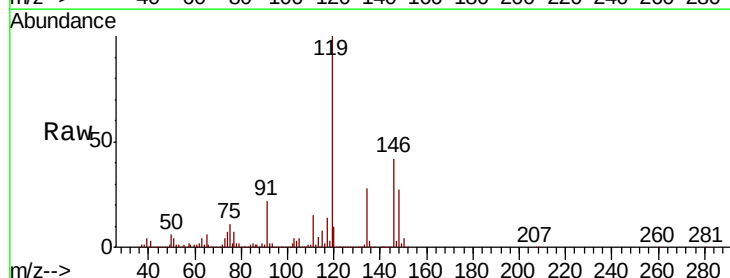
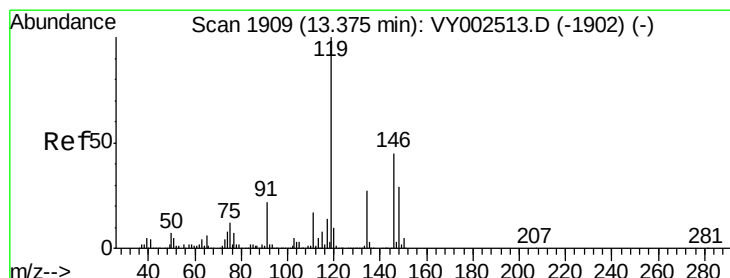
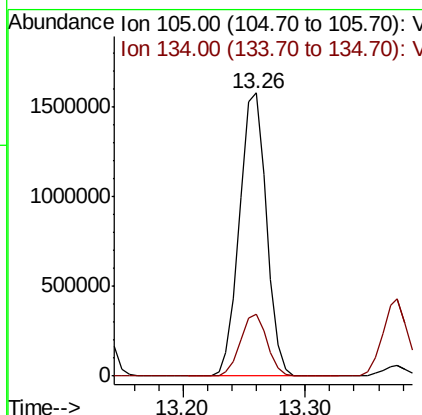
#85  
 sec-Butylbenzene  
 Concen: 152.459 ug/l  
 RT: 13.26 min Scan# 1890  
 Delta R.T. 0.00 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

Tot Ion:105 Resp: 2406544  
 Ion Ratio Lower Upper  
 105 100  
 134 21.7 10.8 32.3

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

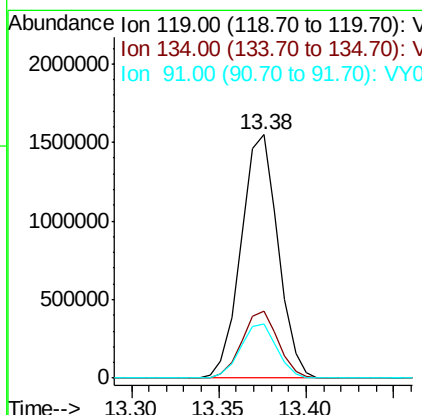
Manual Integrations  
 APPROVED

MMDadoda  
 5/5/2020 4:31:13 PM

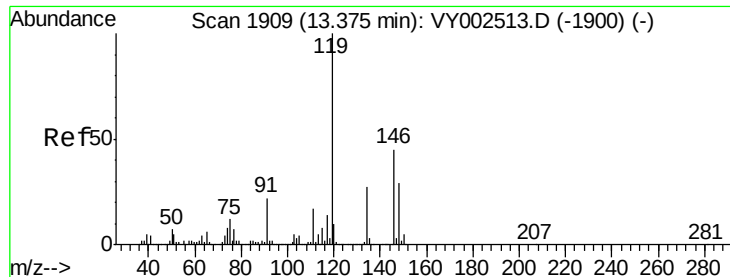


#86  
 p-Isopropyltoluene  
 Concen: 153.329 ug/l  
 RT: 13.38 min Scan# 1909  
 Delta R.T. 0.00 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

Tgt Ion:119 Resp: 2267775  
 Ion Ratio Lower Upper  
 119 100  
 134 27.2 13.5 40.5  
 91 22.1 10.9 32.9







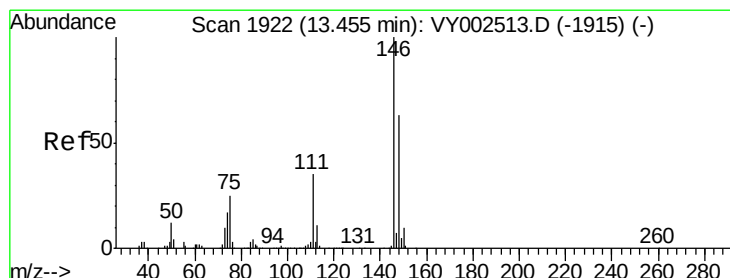
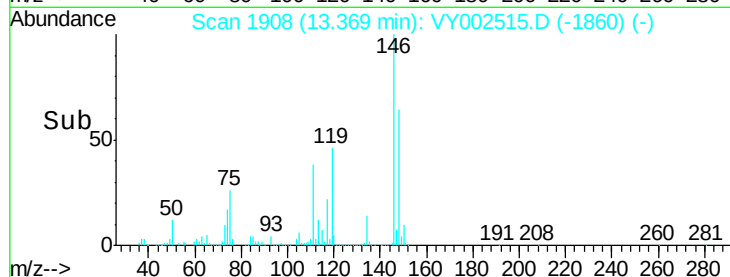
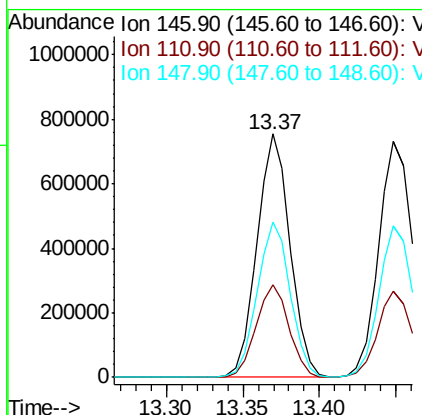
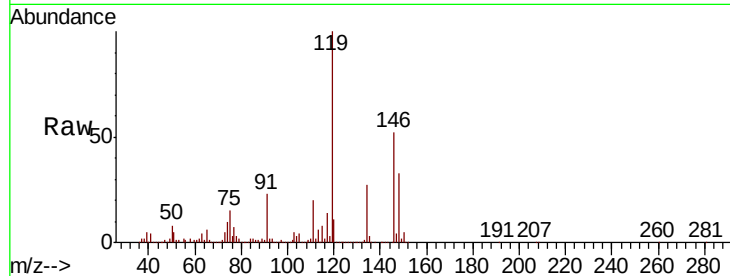
#87  
 1,3-Dichlorobenzene  
 Concen: 153.533 ug/l  
 RT: 13.37 min Scan# 1908  
 Delta R.T. -0.01 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.6  | 18.8  | 56.3  |
| 148     | 63.9  | 32.1  | 96.3  |

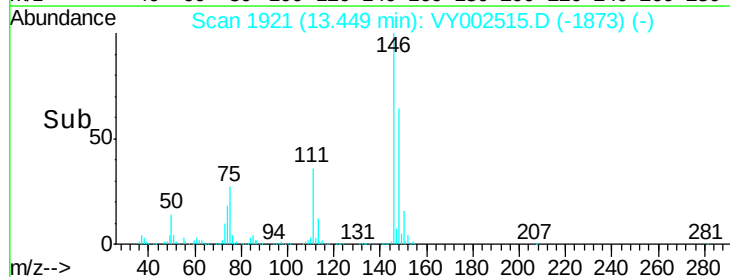
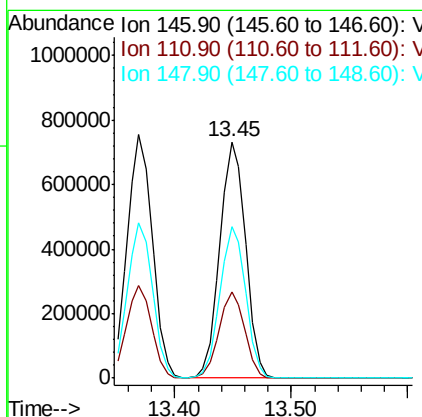
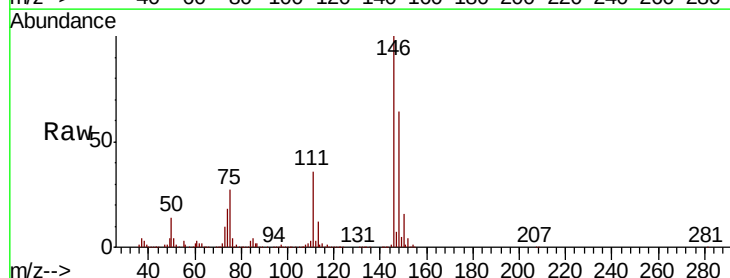
Manual Integrations  
 APPROVED

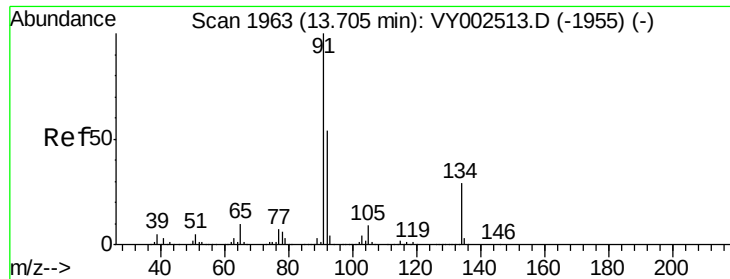
MMDadoda  
 5/5/2020 4:31:13 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 152.843 ug/l  
 RT: 13.45 min Scan# 1921  
 Delta R.T. -0.01 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.1  | 18.1  | 54.1  |
| 148     | 63.8  | 31.9  | 95.5  |





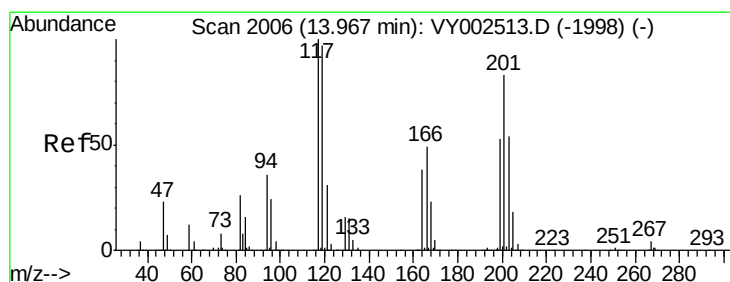
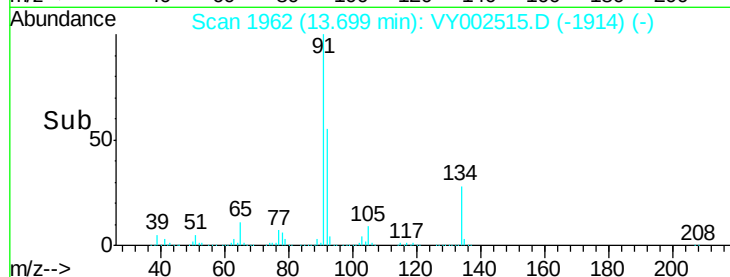
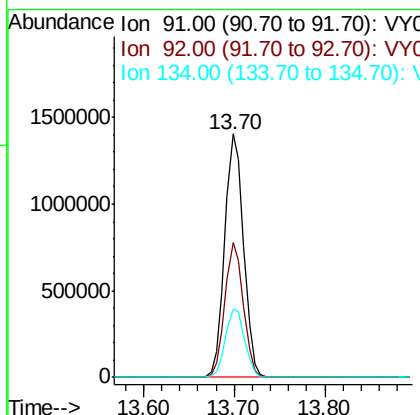
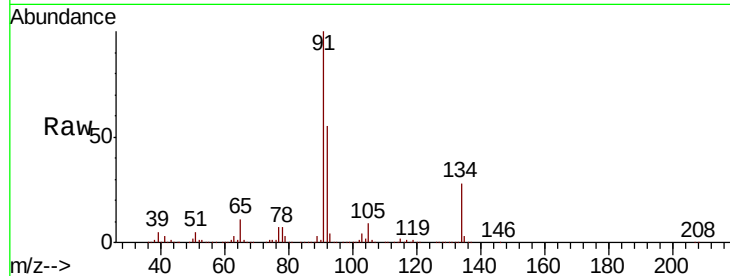
#89  
n-Butylbenzene  
Concen: 150.216 ug/l  
RT: 13.70 min Scan# 1962  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

Tot Ion: 91 Resp: 202253  
Ion Ratio Lower Upper  
91 100  
92 54.4 27.1 81.3  
134 28.9 14.4 43.0

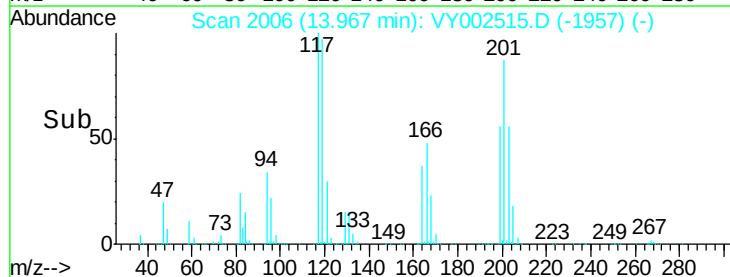
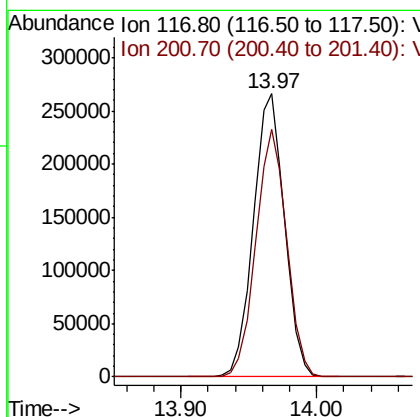
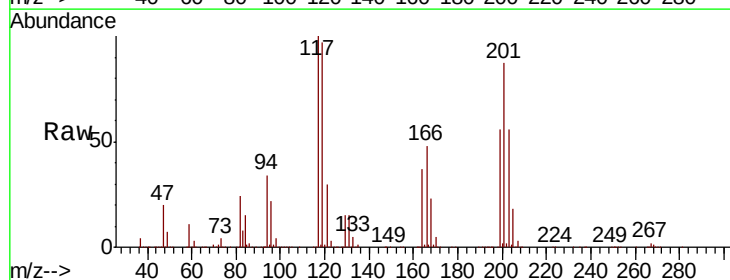
Manual Integrations  
APPROVED

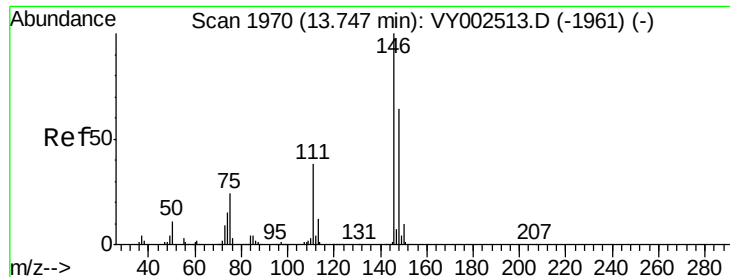
MMDadoda  
5/5/2020 4:31:13 PM



#90  
Hexachloroethane  
Concen: 158.138 ug/l  
RT: 13.97 min Scan# 2006  
Delta R.T. 0.00 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Tgt Ion: 117 Resp: 425939  
Ion Ratio Lower Upper  
117 100  
201 86.5 44.4 133.2





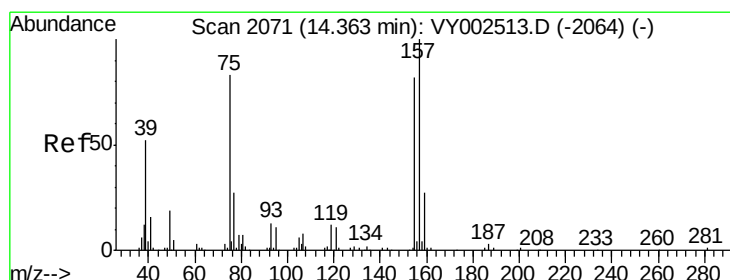
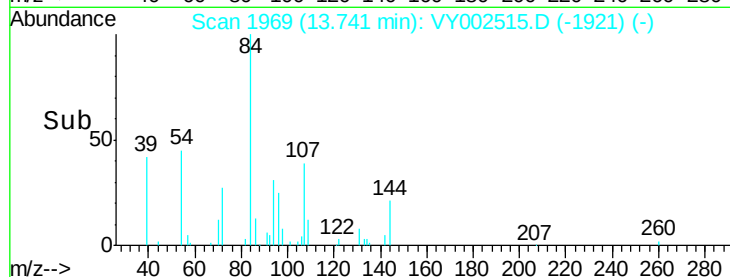
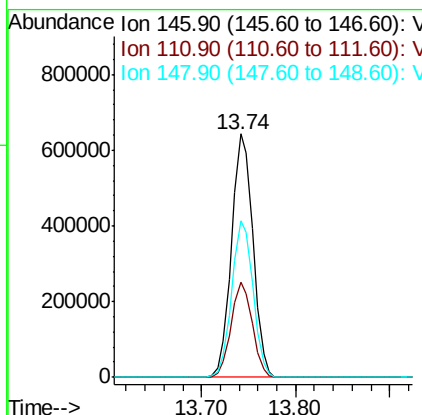
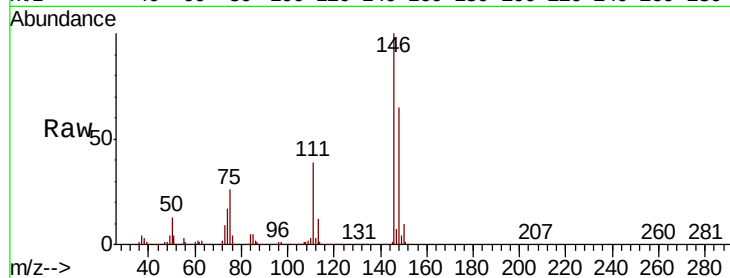
#91  
 1,2-Dichlorobenzene  
 Concen: 153.296 ug/l  
 RT: 13.74 min Scan# 1969  
 Delta R.T. -0.01 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.5  | 19.1  | 57.5  |
| 148     | 63.9  | 31.9  | 95.7  |

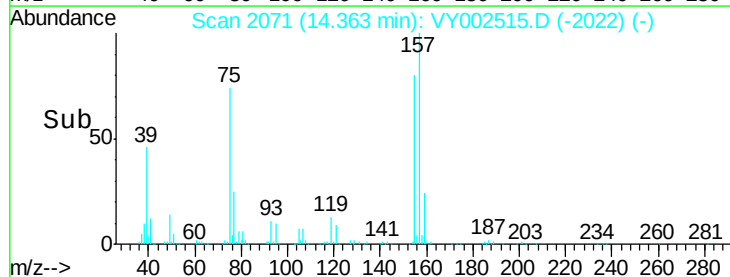
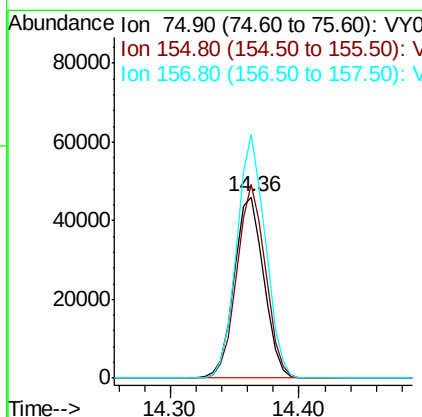
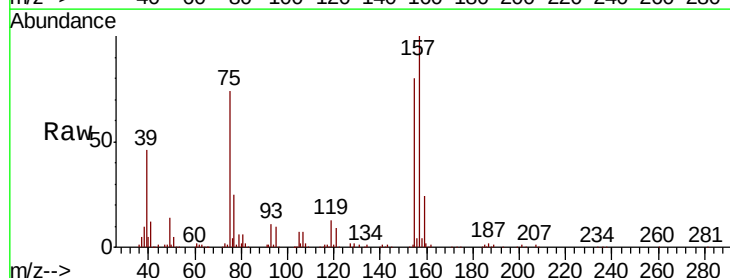
Manual Integrations  
 APPROVED

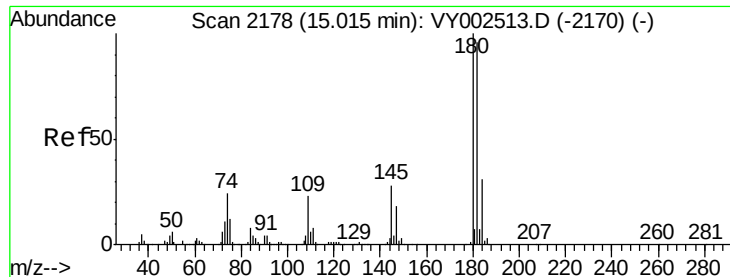
MMDadoda  
 5/5/2020 4:31:13 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 158.767 ug/l  
 RT: 14.36 min Scan# 2071  
 Delta R.T. 0.00 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 102.5 | 51.3  | 153.9 |
| 157     | 129.7 | 65.0  | 195.0 |





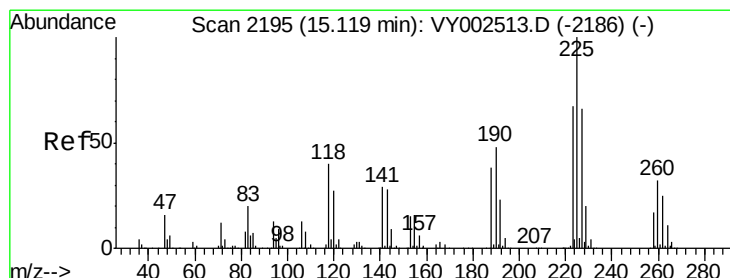
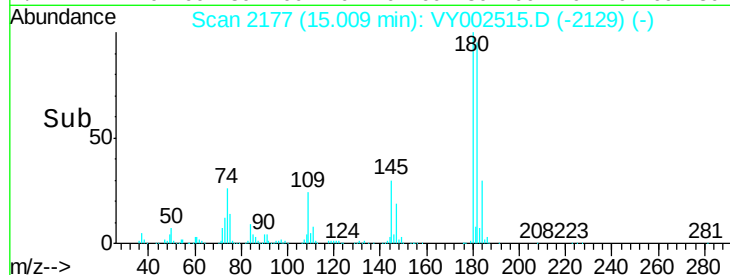
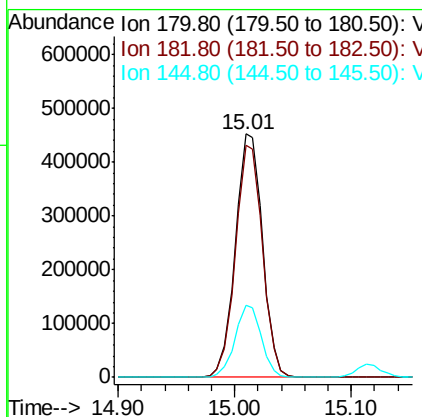
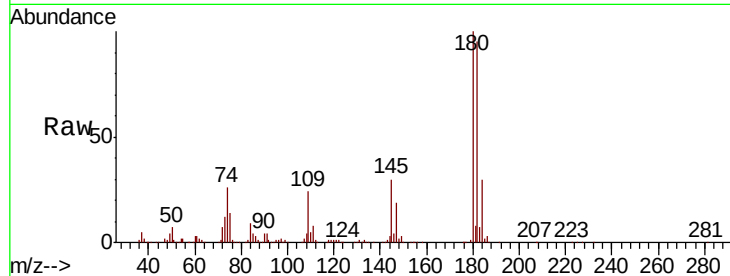
#93  
 1,2,4-Trichlorobenzene  
 Concen: 152.645 ug/l  
 RT: 15.01 min Scan# 2177  
 Delta R.T. -0.01 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 731843 |       |       |
| 182     | 95.0  | 47.9   | 143.6 |       |
| 145     | 28.8  | 14.4   | 43.0  |       |

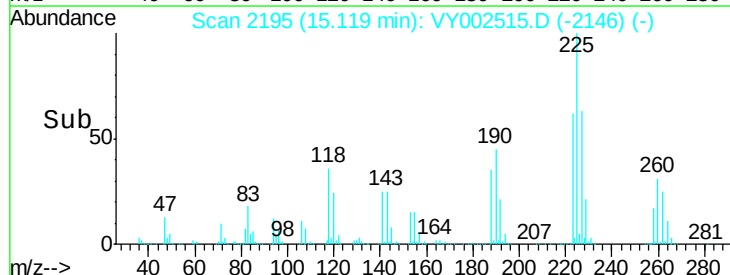
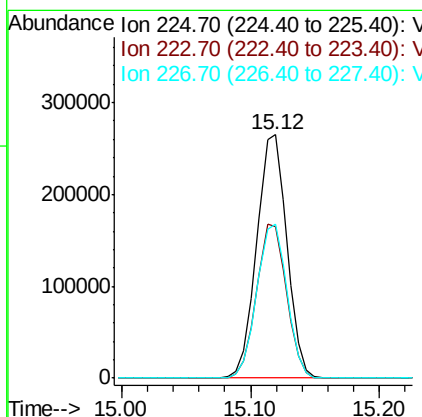
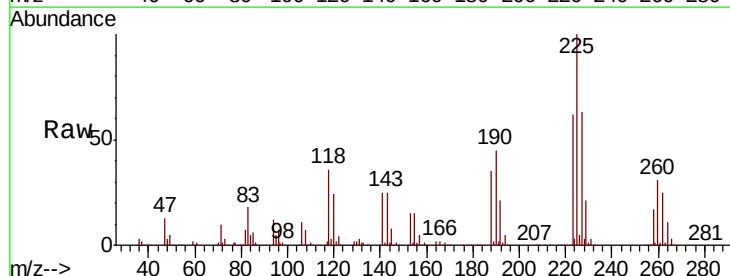
Manual Integrations  
 APPROVED

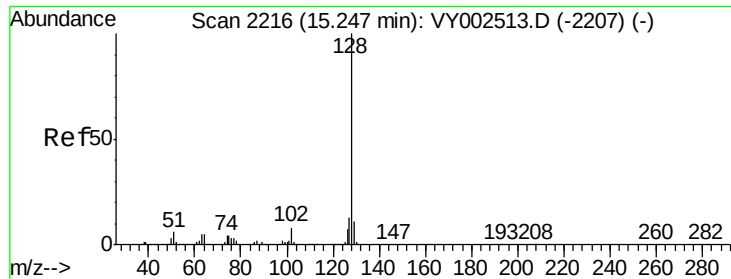
MMDadoda  
 5/5/2020 4:31:13 PM



#94  
 Hexachlorobutadiene  
 Concen: 148.762 ug/l  
 RT: 15.12 min Scan# 2195  
 Delta R.T. 0.00 min  
 Lab File: VY002515.D  
 Acq: 30 Apr 2020 16:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 428119 |       |       |
| 223     | 62.8  | 32.1   | 96.5  |       |
| 227     | 63.3  | 32.0   | 96.2  |       |





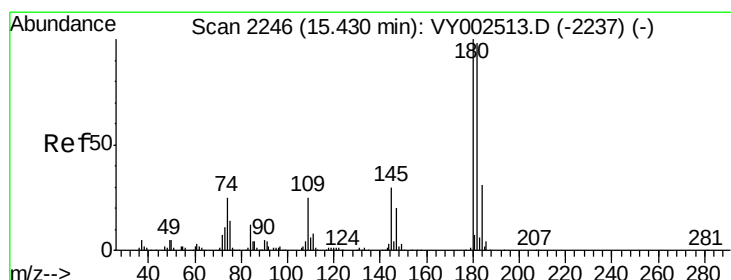
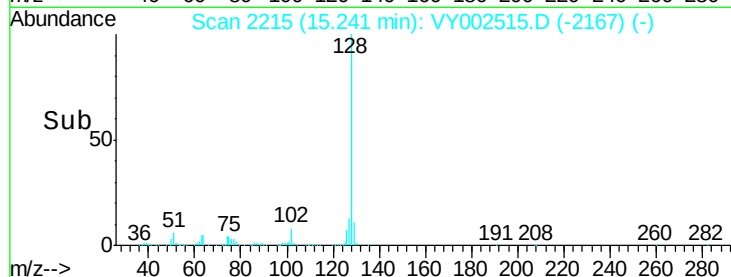
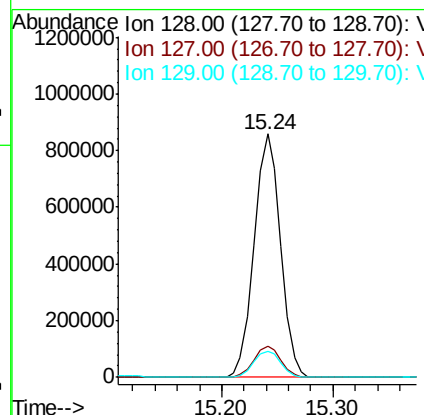
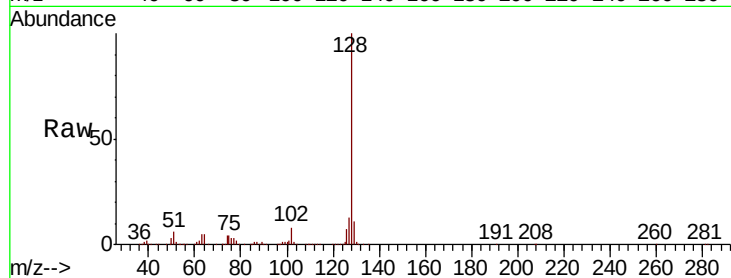
#95  
Naphthalene  
Concen: 161.823 ug/l  
RT: 15.24 min Scan# 2215  
Delta R.T. -0.01 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.5  | 15.7  |
| 129     | 11.1  | 8.8   | 13.2  |

Manual Integrations  
APPROVED

MMDadoda  
5/5/2020 4:31:13 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 156.884 ug/l  
RT: 15.43 min Scan# 2246  
Delta R.T. 0.00 min  
Lab File: VY002515.D  
Acq: 30 Apr 2020 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.1  | 47.9  | 143.8 |
| 145     | 30.4  | 15.0  | 45.1  |

