

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102819\  
 Data File : VX013259.D  
 Acq On : 28 Oct 2019 19:37  
 Operator : JC/SP  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

MMDadoda  
 10/30/2019 12:08:00 PM

Quant Time: Oct 29 14:33:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue Oct 22 01:53:07 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.00  | 128  | 21915    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.85  | 114  | 122103   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.11 | 117  | 110108   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.05   | 65    | 53358    | 30.93    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 103.10% |
| 60) 4-Bromofluorobenzene  | 11.14  | 95    | 58798    | 30.67    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 102.23% |
| 63) Toluene-d8            | 8.71   | 98    | 151131   | 30.86    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 102.87% |

## Target Compounds

|                               |      |     |        |             | Ovalue |
|-------------------------------|------|-----|--------|-------------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 28035  | 17.818 ug/l | 96     |
| 3) Chloromethane              | 1.32 | 50  | 22048  | 16.073 ug/l | 98     |
| 4) Vinyl Chloride             | 1.40 | 62  | 23684  | 16.700 ug/l | 97     |
| 5) Bromomethane               | 1.64 | 94  | 16042  | 20.962 ug/l | 94     |
| 6) Chloroethane               | 1.72 | 64  | 15193  | 16.787 ug/l | 97     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 42698  | 18.734 ug/l | 98     |
| 8) Diethyl Ether              | 2.18 | 74  | 13605  | 17.490 ug/l | 90     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 24712  | 17.752 ug/l | 98     |
| 10) 1,1-Dichloroethene        | 2.37 | 96  | 23404  | 17.408 ug/l | 98     |
| 11) Methyl Iodide             | 2.50 | 142 | 27546  | 15.909 ug/l | 98     |
| 12) Methyl Acetate            | 2.76 | 43  | 29993  | 17.276 ug/l | 98     |
| 13) Acrolein                  | 2.28 | 56  | 24123  | 93.344 ug/l | 99     |
| 14) Acrylonitrile             | 3.13 | 53  | 63590  | 87.585 ug/l | 100    |
| 15) Acetone                   | 2.43 | 58  | 18659  | 78.005 ug/l | 99     |
| 16) Carbon Disulfide          | 2.56 | 76  | 59201  | 16.490 ug/l | 98     |
| 17) Allyl chloride            | 2.72 | 41  | 35609  | 16.651 ug/l | 95     |
| 18) Methylene Chloride        | 2.84 | 84  | 26598  | 17.086 ug/l | 94     |
| 19) trans-1,2-Dichloroethene  | 3.16 | 96  | 24991  | 17.518 ug/l | 93     |
| 20) Diisopropyl ether         | 3.84 | 45  | 72103  | 17.433 ug/l | 97     |
| 21) 1,1-Dichloroethane        | 3.69 | 63  | 44756  | 17.822 ug/l | 97     |
| 22) cis-1,2-Dichloroethene    | 4.59 | 96  | 28799  | 17.703 ug/l | 99     |
| 23) tert-Butyl Alcohol        | 3.03 | 59  | 30838  | 80.619 ug/l | # 100  |
| 24) Methyl tert-Butyl Ether   | 3.19 | 73  | 84269  | 18.175 ug/l | 99     |
| 25) Chloroform                | 5.20 | 83  | 49858  | 18.893 ug/l | 99     |
| 26) Cyclohexane               | 5.57 | 56  | 37128  | 16.849 ug/l | # 97   |
| 29) 1,1-Dichloropropene       | 5.79 | 75  | 35345  | 18.633 ug/l | 87     |
| 30) 2-Butanone                | 4.66 | 43  | 87178  | 87.616 ug/l | 98     |
| 31) 2,2-Dichloropropane       | 4.57 | 77  | 39294  | 17.917 ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97  | 46129  | 20.097 ug/l | 98     |
| 33) Carbon Tetrachloride      | 5.77 | 117 | 39144  | 19.842 ug/l | 96     |
| 34) Benzene                   | 6.14 | 78  | 100531 | 18.409 ug/l | 99     |
| 35) Methacrylonitrile         | 5.03 | 41  | 18245  | 17.880 ug/l | 97     |
| 36) 1,2-Dichloroethane        | 6.18 | 62  | 41349  | 20.031 ug/l | 99     |
| 37) Trichloroethene           | 7.21 | 130 | 29339  | 19.370 ug/l | 88     |
| 38) Methylcyclohexane         | 7.46 | 83  | 40393  | 17.461 ug/l | 99     |
| 39) 1,2-Dichloropropane       | 7.51 | 63  | 24563  | 18.326 ug/l | 99     |
| 40) Dibromomethane            | 7.65 | 93  | 18302  | 19.116 ug/l | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102819\  
 Data File : VX013259.D  
 Acq On : 28 Oct 2019 19:37  
 Operator : JC/SP  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

MMDadoda  
 10/30/2019 12:08:00 PM

Quant Time: Oct 29 14:33:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue Oct 22 01:53:07 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Bromodichloromethane       | 7.89  | 83   | 36690    | 19.006  | ug/l  | 100      |
| 42) Vinyl Acetate              | 3.80  | 43   | 306571   | 88.851  | ug/l  | 99       |
| 43) Ethyl Acetate              | 4.82  | 43   | 33459    | 18.437  | ug/l  | 97       |
| 44) Isopropyl Acetate          | 6.43  | 43   | 54423    | 17.843  | ug/l  | 99       |
| 45) 1,4-Dioxane                | 7.73  | 88   | 12077    | 313.098 | ug/l  | 95       |
| 46) Methyl methacrylate        | 7.76  | 41   | 26623    | 17.739  | ug/l  | 97       |
| 47) n-amyl Acetate             | 10.89 | 43   | 45569    | 17.724  | ug/l  | 99       |
| 48) t-1,3-Dichloropropene      | 9.04  | 75   | 38405    | 18.136  | ug/l  | 99       |
| 49) cis-1,3-Dichloropropene    | 8.43  | 75   | 42618    | 18.496  | ug/l  | 99       |
| 50) 1,1,2-Trichloroethane      | 9.21  | 97   | 26902    | 19.027  | ug/l  | 95       |
| 51) Ethyl methacrylate         | 9.17  | 69   | 40467    | 18.254  | ug/l  | 97       |
| 52) 1,3-Dichloropropane        | 9.37  | 76   | 45561    | 19.135  | ug/l  | 100      |
| 53) Dibromochloromethane       | 9.57  | 129  | 30153    | 19.771  | ug/l  | 95       |
| 54) 1,2-Dibromoethane          | 9.67  | 107  | 29483    | 19.503  | ug/l  | 99       |
| 55) 2-Chloroethyl vinyl ether  | 8.31  | 63   | 85656    | 95.115  | ug/l  | 97       |
| 56) Bromoform                  | 10.85 | 173  | 20049    | 18.529  | ug/l  | 99       |
| 58) 4-Methyl-2-Pentanone       | 8.64  | 43   | 166916   | 89.964  | ug/l  | 99       |
| 59) 2-Hexanone                 | 9.48  | 43   | 127725   | 87.840  | ug/l  | 98       |
| 61) Tetrachloroethene          | 9.33  | 164  | 29591    | 20.272  | ug/l  | 98       |
| 62) Toluene                    | 8.78  | 91   | 111506   | 18.760  | ug/l  | 99       |
| 64) Chlorobenzene              | 10.14 | 112  | 69899    | 18.341  | ug/l  | 99       |
| 65) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 27522    | 19.278  | ug/l  | 99       |
| 66) Ethyl Benzene              | 10.25 | 91   | 129285   | 18.898  | ug/l  | 99       |
| 67) m/p-Xylenes                | 10.35 | 106  | 94966    | 36.525  | ug/l  | 96       |
| 68) o-Xylene                   | 10.70 | 106  | 46592    | 18.772  | ug/l  | 98       |
| 69) Styrene                    | 10.71 | 104  | 79673    | 18.653  | ug/l  | 98       |
| 70) Isopropylbenzene           | 11.01 | 105  | 129746   | 19.050  | ug/l  | 99       |
| 71) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 37407    | 17.924  | ug/l  | 96       |
| 72) 1,2,3-Trichloropropane     | 11.29 | 75   | 37550m   | 20.716  | ug/l  |          |
| 73) Bromobenzene               | 11.25 | 156  | 30999    | 18.966  | ug/l  | 90       |
| 74) n-propylbenzene            | 11.35 | 91   | 133484   | 17.857  | ug/l  | 99       |
| 75) 2-Chlorotoluene            | 11.42 | 91   | 82799    | 17.701  | ug/l  | 95       |
| 76) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 105533   | 18.459  | ug/l  | 99       |
| 77) t-1,4-Dichloro-2-butene    | 11.07 | 75   | 11382    | 16.173  | ug/l  | 94       |
| 78) 4-Chlorotoluene            | 11.51 | 91   | 100022   | 18.714  | ug/l  | 99       |
| 79) tert-butylbenzene          | 11.76 | 119  | 103134   | 18.734  | ug/l  | 96       |
| 80) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 107418   | 18.808  | ug/l  | 98       |
| 81) sec-Butylbenzene           | 11.94 | 105  | 115766   | 17.652  | ug/l  | 98       |
| 82) p-Isopropyltoluene         | 12.06 | 119  | 109003   | 18.178  | ug/l  | 97       |
| 83) 1,3-Dichlorobenzene        | 12.02 | 146  | 56269    | 18.851  | ug/l  | 99       |
| 84) 1,4-Dichlorobenzene        | 12.09 | 146  | 55590    | 18.831  | ug/l  | 99       |
| 85) n-Butylbenzene             | 12.39 | 91   | 89238    | 17.520  | ug/l  | 98       |
| 86) Hexachloroethane           | 12.59 | 117  | 18521    | 17.696  | ug/l  | 96       |
| 87) 1,2-Dichlorobenzene        | 12.39 | 146  | 54057    | 18.669  | ug/l  | 98       |
| 88) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 9752     | 18.964  | ug/l  | 98       |
| 89) 1,2,4-Trichlorobenzene     | 13.64 | 180  | 33214    | 18.444  | ug/l  | 99       |
| 90) Hexachlorobutadiene        | 13.78 | 225  | 16725    | 18.293  | ug/l  | 98       |
| 91) Naphthalene                | 13.83 | 128  | 106719   | 18.219  | ug/l  | 100      |
| 92) 1,2,3-Trichlorobenzene     | 14.01 | 180  | 33642    | 18.235  | ug/l  | 99       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102819\  
Data File : VX013259.D  
Acq On : 28 Oct 2019 19:37  
Operator : JC/SP  
Sample : VSTDCCC020  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Manual Integrations  
APPROVED

MMDadoda  
10/30/2019 12:08:00 PM

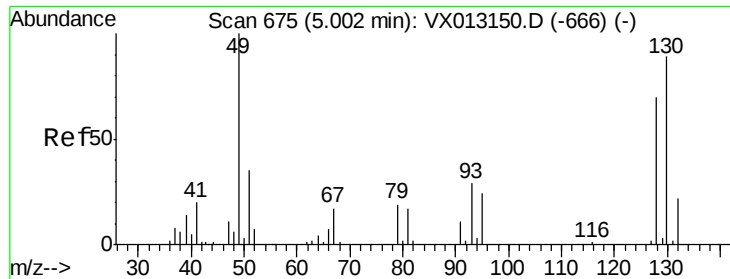
Quant Time: Oct 29 14:33:47 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Tue Oct 22 01:53:07 2019  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

-----

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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA\_X

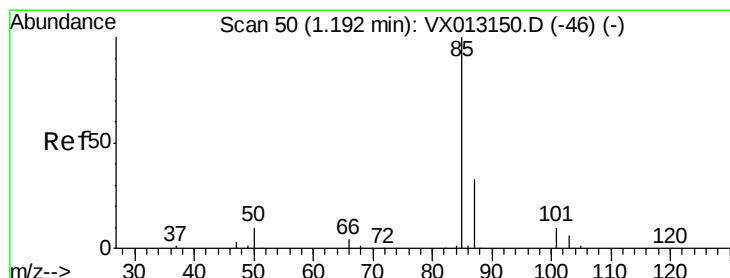
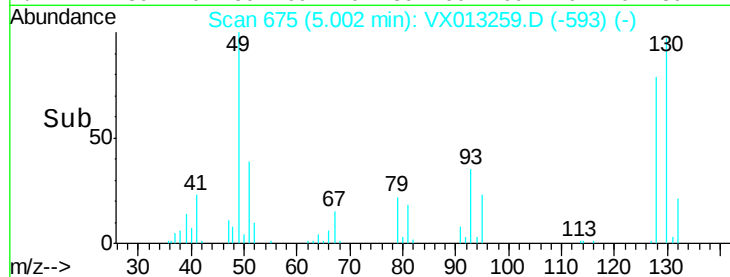
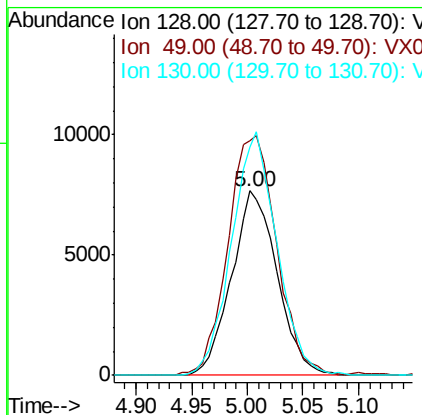
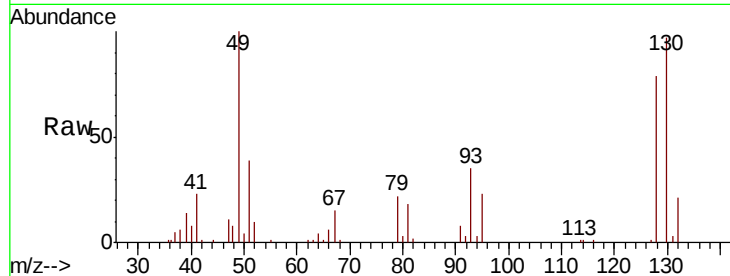
ClientSampleId :

VSTDCCC020EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 128   | Resp: | 21915 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 138.1 | 0.0   | 367.3 |
| 130      | 130.3 | 0.0   | 325.0 |

Manual Integrations  
APPROVED

MMDadoda  
10/30/2019 12:08:00 PM



#2

Dichlorodifluoromethane

Concen: 17.818 ug/l

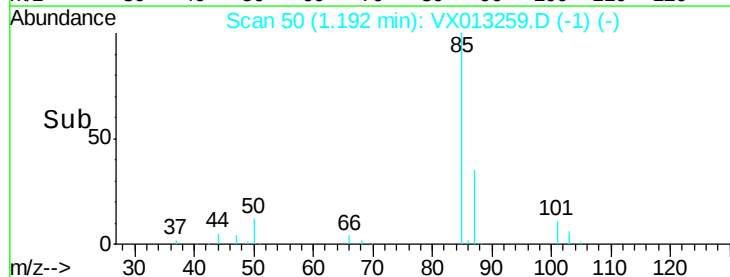
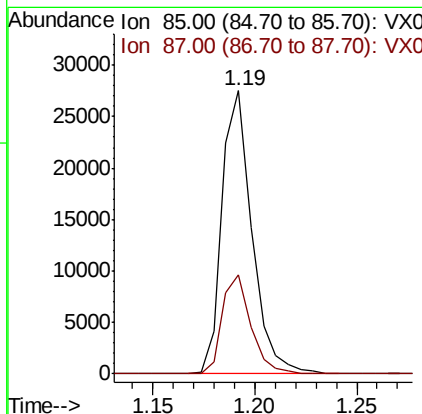
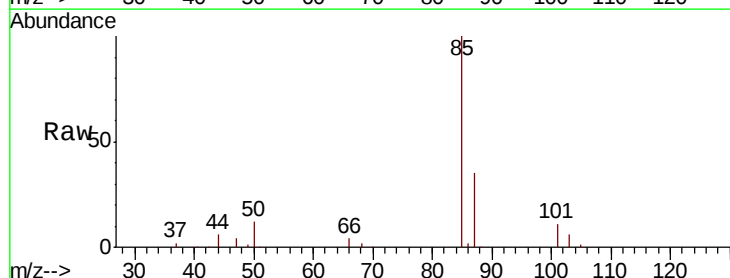
RT: 1.19 min Scan# 50

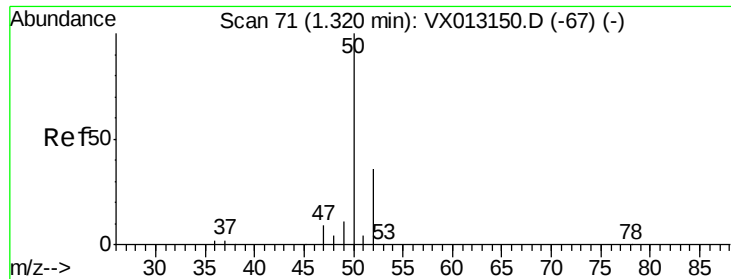
Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 85    | Resp: | 28035 |
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 35.2  | 16.6  | 49.7  |





#3

Chloromethane

Concen: 16.073 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 22048

Ion Ratio Lower Upper

50 100

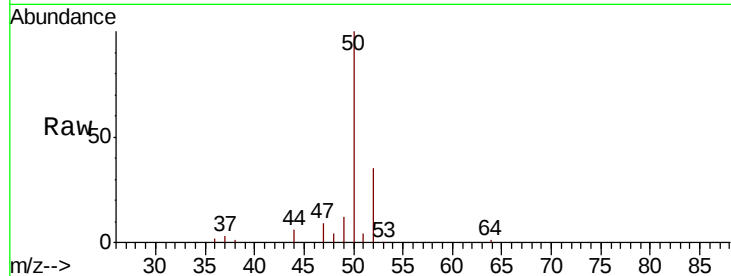
52 34.6 28.6 42.8

Manual Integrations

APPROVED

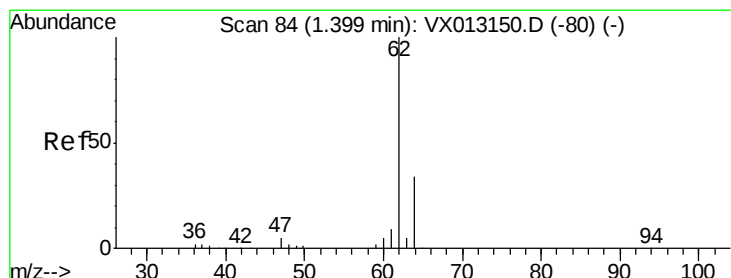
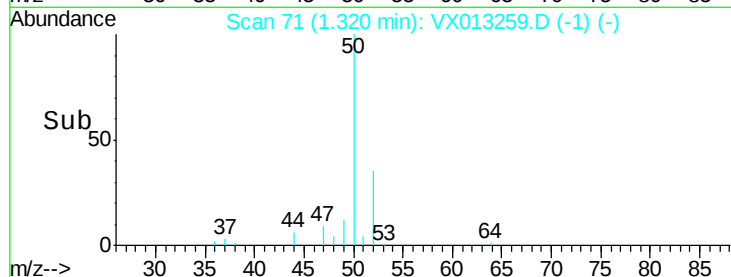
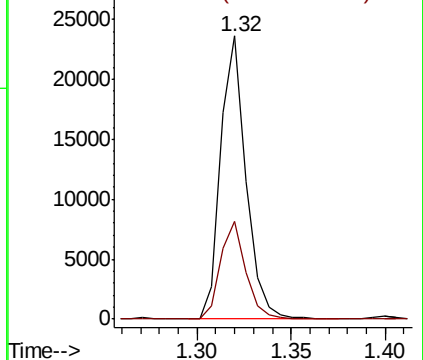
MMDadoda

10/30/2019 12:08:00 PM



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 16.700 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013259.D

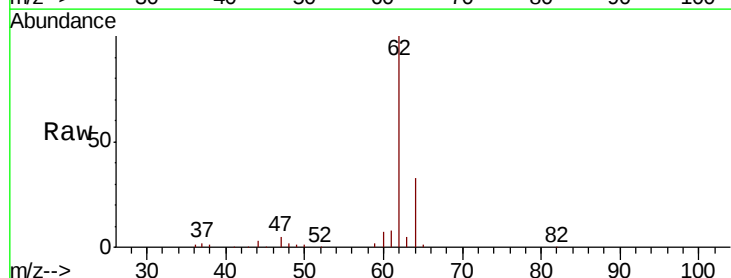
Acq: 28 Oct 2019 19:37

Tgt Ion: 62 Resp: 23684

Ion Ratio Lower Upper

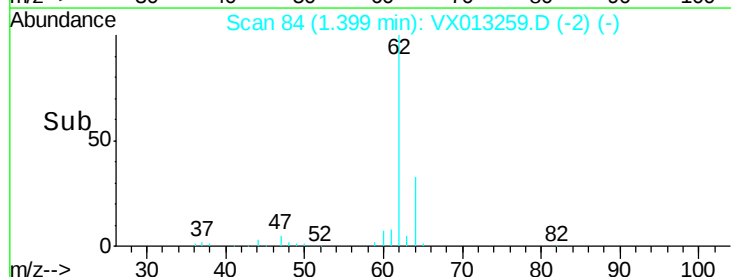
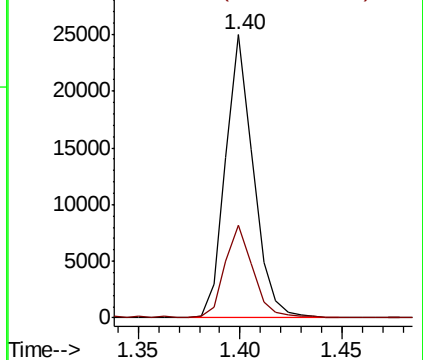
62 100

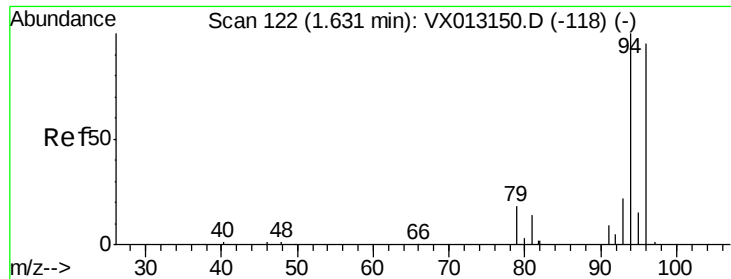
64 32.4 27.3 40.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 20.962 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 16042

Ion Ratio Lower Upper

94 100

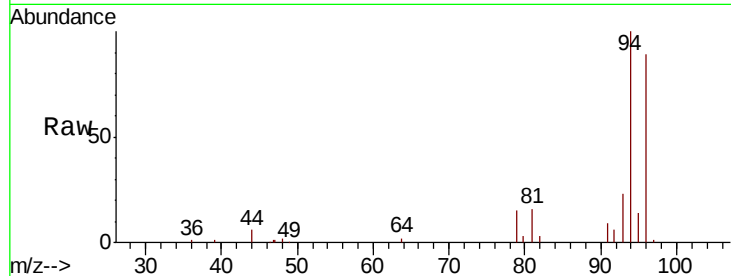
96 89.0 75.9 113.9

Manual Integrations

APPROVED

MMDadoda

10/30/2019 12:08:00 PM



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

15000

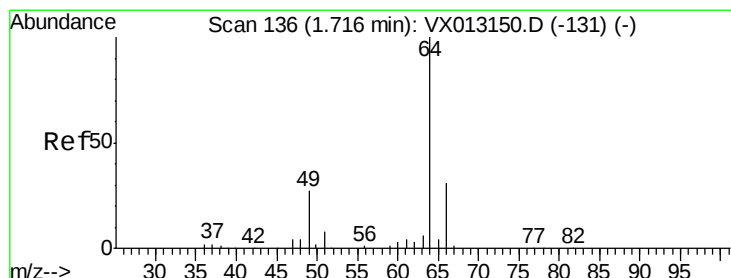
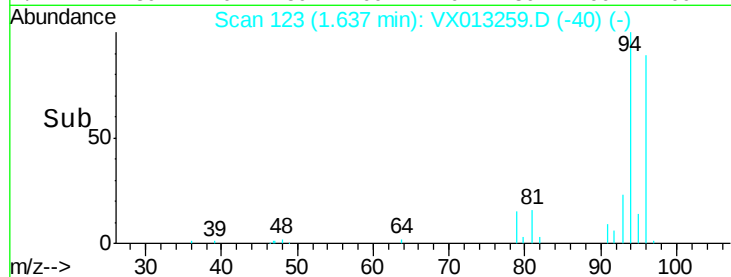
1.64

10000

5000

0

Time-->



#6

Chloroethane

Concen: 16.787 ug/l

RT: 1.72 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX013259.D

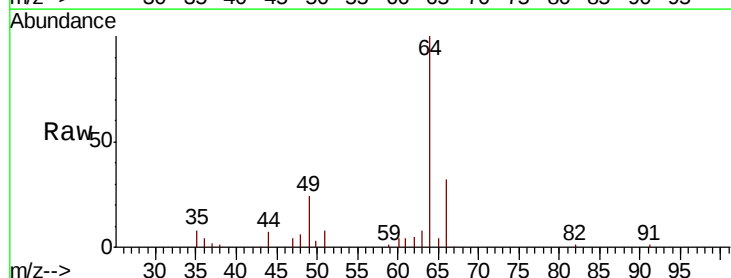
Acq: 28 Oct 2019 19:37

Tgt Ion: 64 Resp: 15193

Ion Ratio Lower Upper

64 100

66 33.6 25.4 38.2



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

12000

1.72

10000

8000

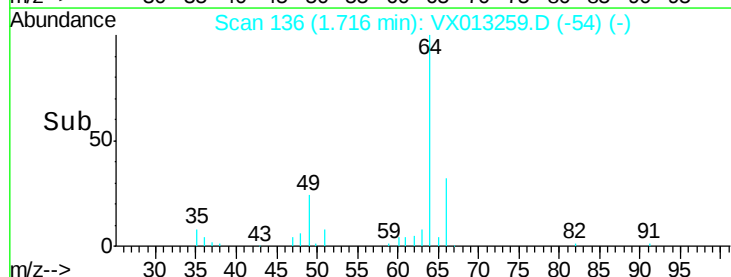
6000

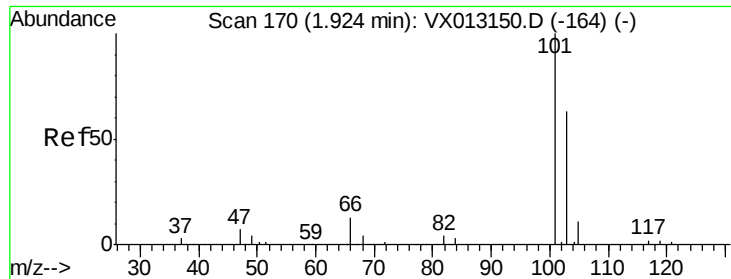
4000

2000

0

Time-->





#7

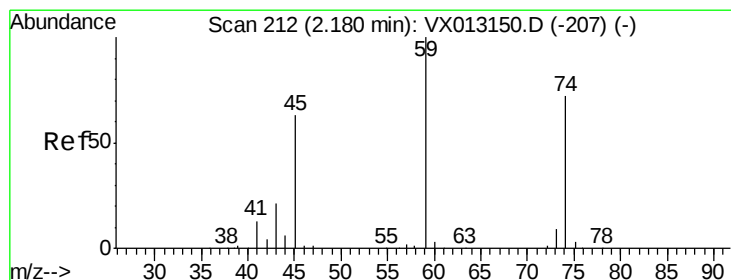
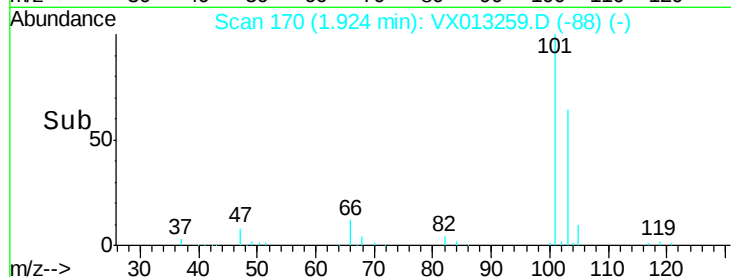
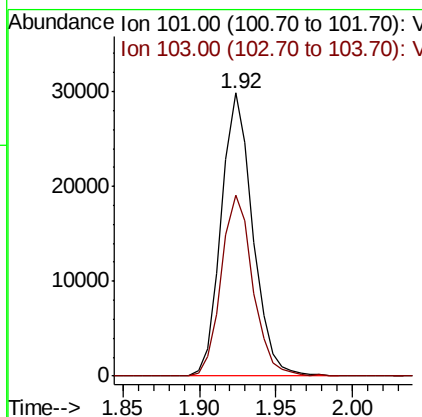
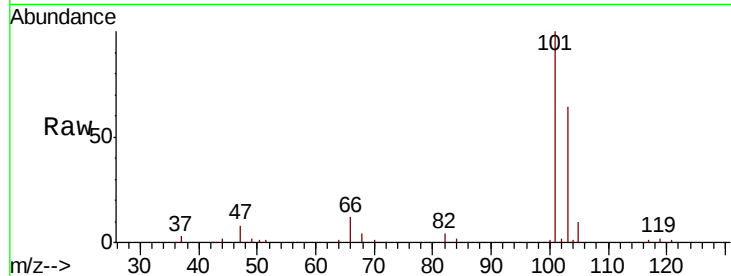
Trichlorofluoromethane  
Concen: 18.734 ug/l  
RT: 1.92 min Scan# 170  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tot Ion:101 Resp: 42698  
Ion Ratio Lower Upper  
101 100  
103 64.2 50.2 75.4

Manual Integrations  
APPROVED

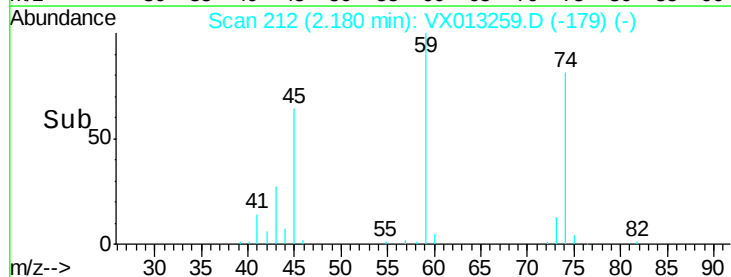
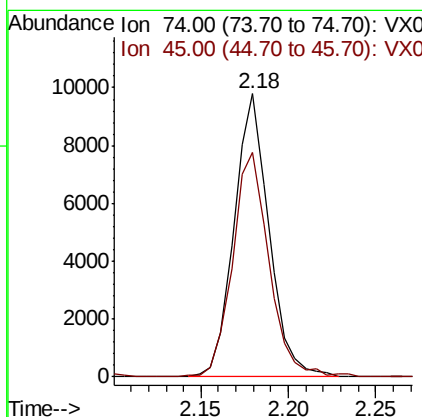
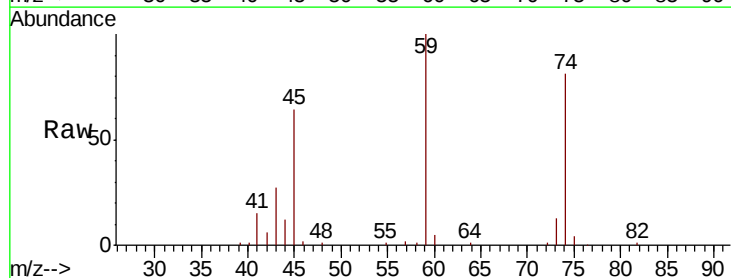
MMDadoda  
10/30/2019 12:08:00 PM

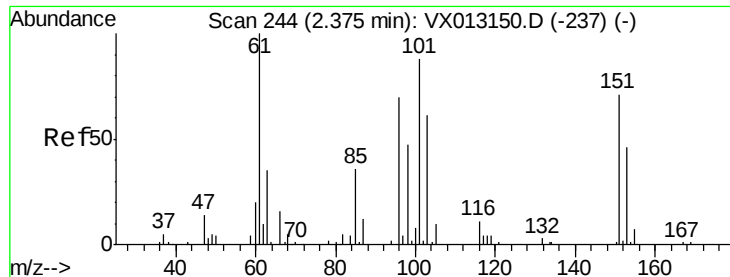


#8

Diethyl Ether  
Concen: 17.490 ug/l  
RT: 2.18 min Scan# 212  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

Tgt Ion: 74 Resp: 13605  
Ion Ratio Lower Upper  
74 100  
45 82.6 18.4 165.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.752 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA\_X

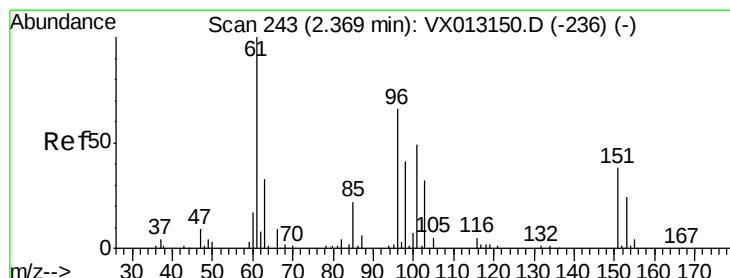
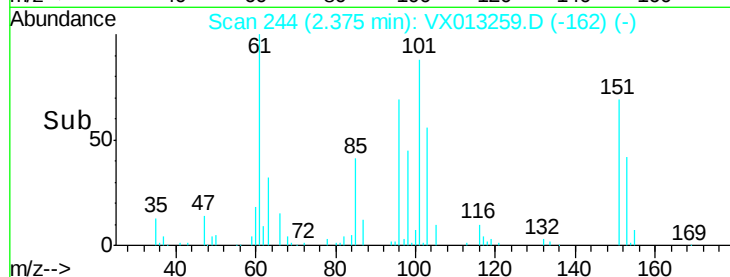
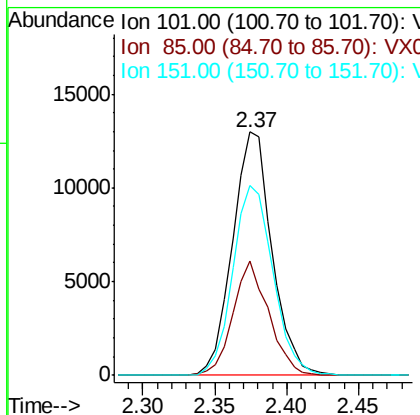
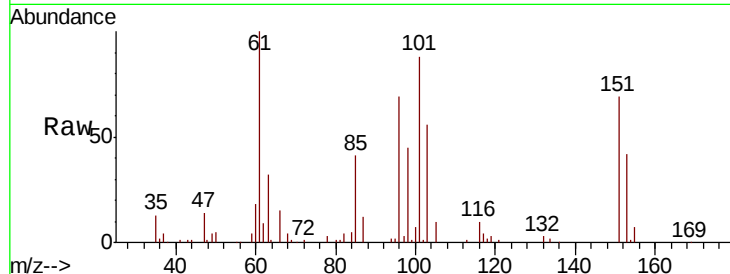
ClientSampleId :

VSTDCCC020EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 24712 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 42.6  | 0.0   | 87.2  |
| 151       | 79.6  | 0.0   | 163.0 |

Manual Integrations  
APPROVED

MMDadoda  
10/30/2019 12:08:00 PM



#10

1,1-Dichloroethene

Concen: 17.408 ug/l

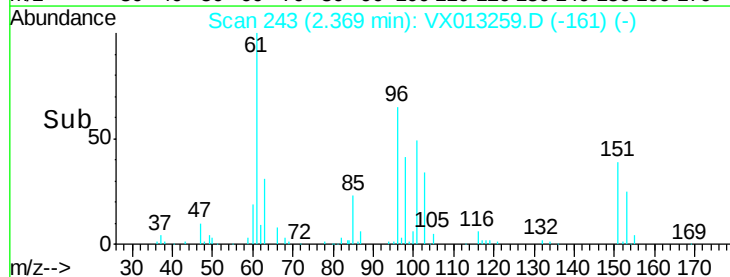
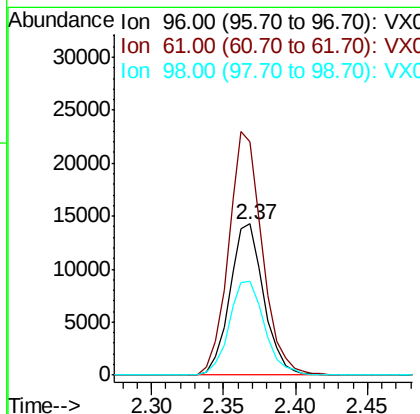
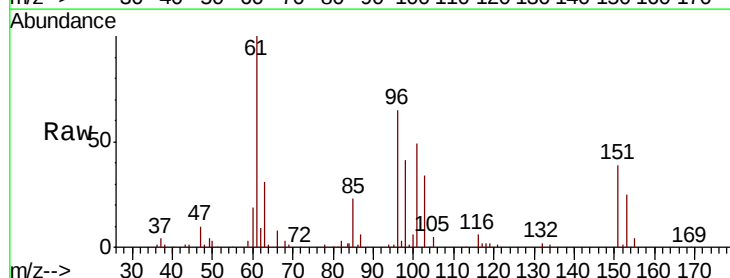
RT: 2.37 min Scan# 243

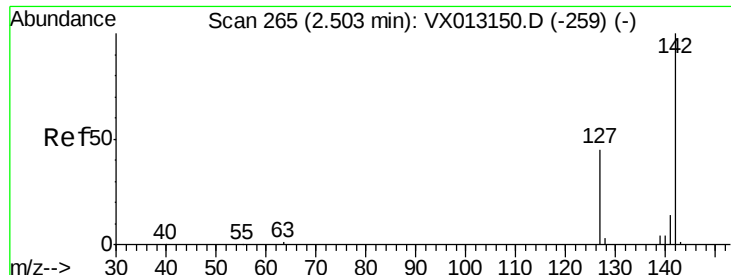
Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 23404 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 154.0 | 121.3 | 181.9 |
| 98        | 62.5  | 49.5  | 74.3  |





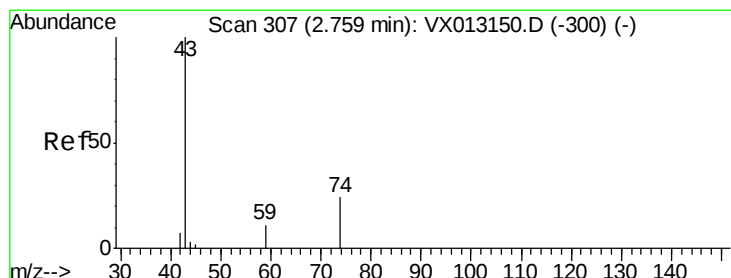
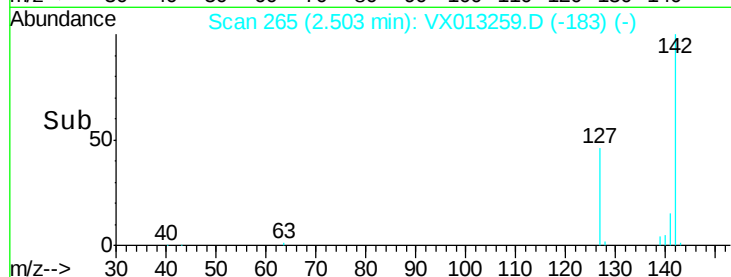
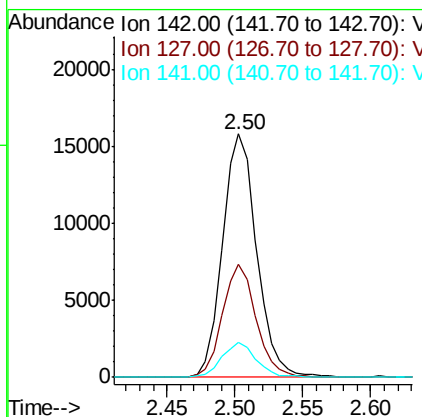
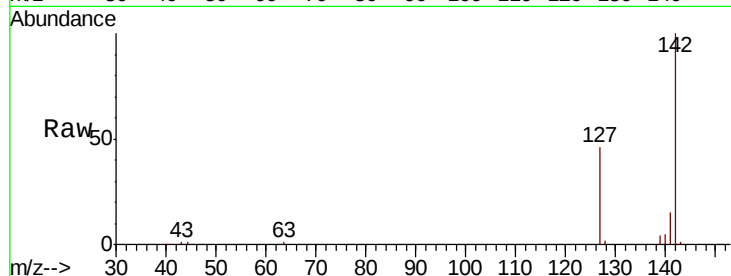
#11  
Methvl Iodide  
Concen: 15.909 ug/l  
RT: 2.50 min Scan# 265  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 46.3  | 22.3  | 66.9  |
| 141     | 14.6  | 7.1   | 21.3  |

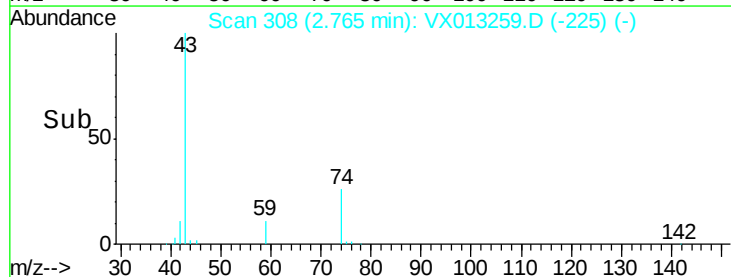
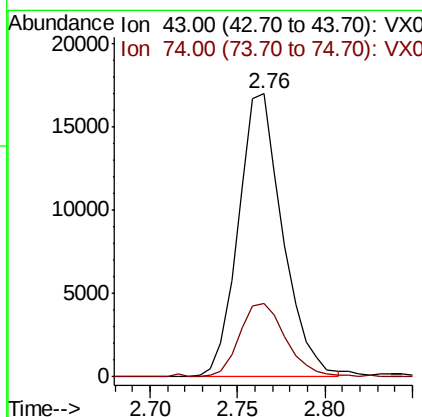
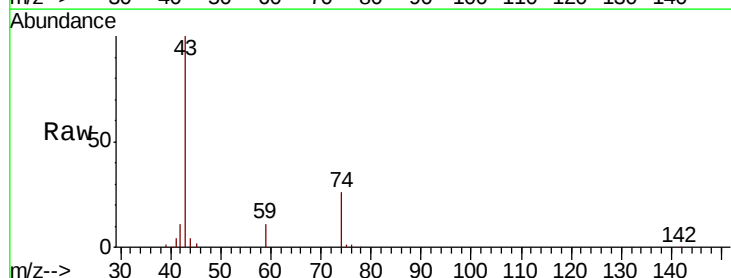
Manual Integrations  
APPROVED

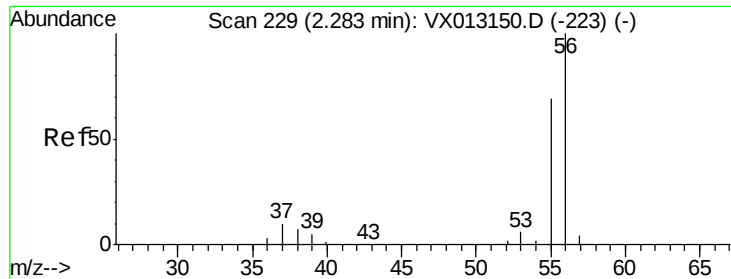
MMDadoda  
10/30/2019 12:08:00 PM



#12  
Methyl Acetate  
Concen: 17.276 ug/l  
RT: 2.76 min Scan# 308  
Delta R.T. 0.01 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 25.4  | 19.7  | 29.5  |





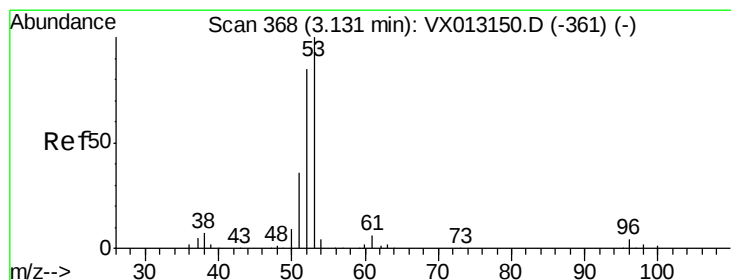
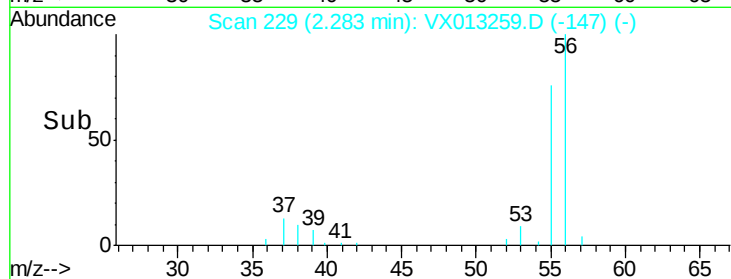
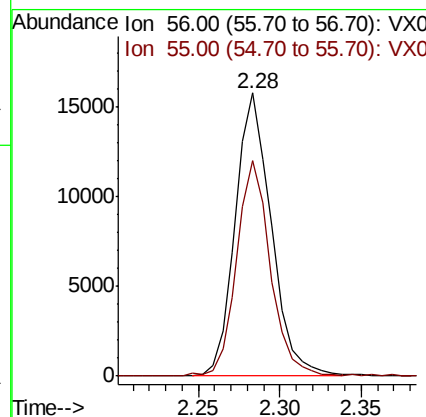
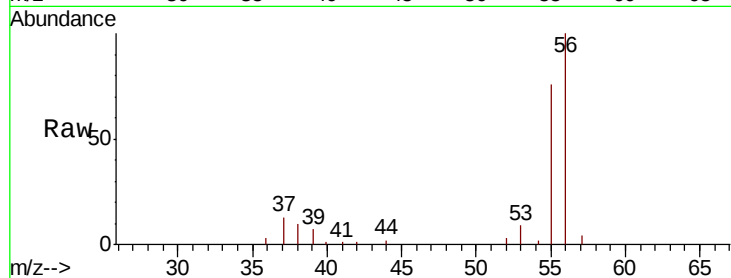
#13  
Acrolein  
Concen: 93.344 ug/l  
RT: 2.28 min Scan# 229  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | 56  | 55   | Ratio | Lower | Upper |
|---------|-----|------|-------|-------|-------|
| 24123   | 100 | 70.8 |       | 55.8  | 83.8  |

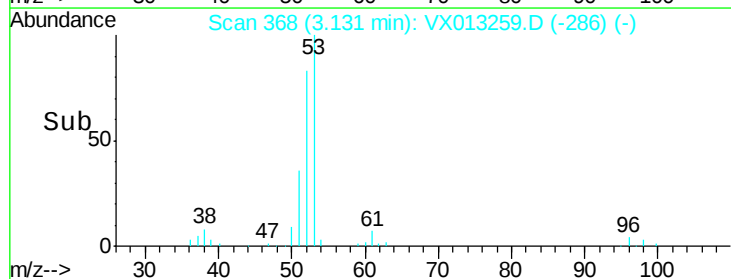
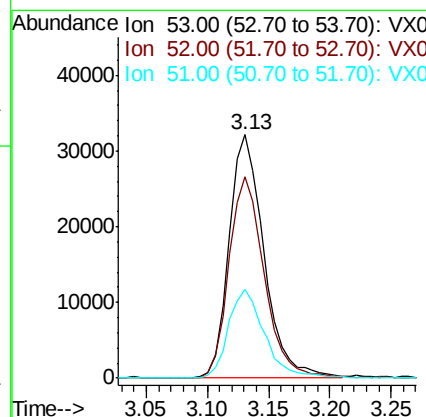
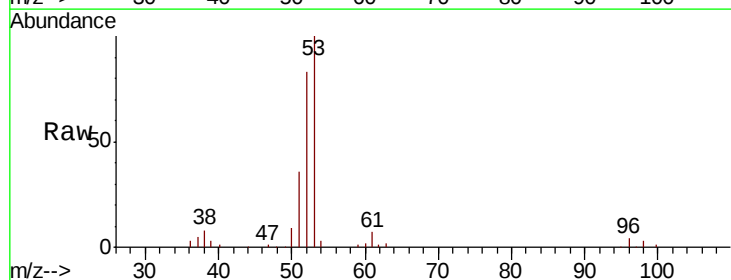
Manual Integrations  
APPROVED

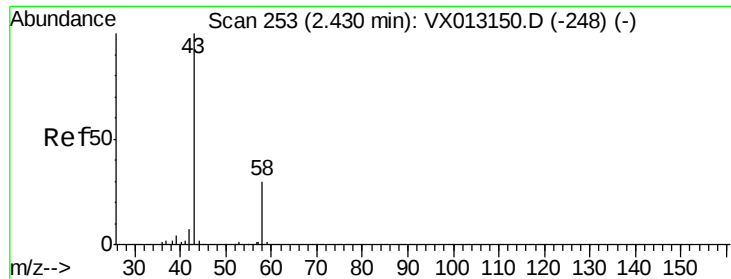
MMDadoda  
10/30/2019 12:08:00 PM



#14  
Acrylonitrile  
Concen: 87.585 ug/l  
RT: 3.13 min Scan# 368  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

| Tgt Ion | 53  | 52   | 51   | Ratio | Lower | Upper |
|---------|-----|------|------|-------|-------|-------|
| 63590   | 100 | 83.8 | 36.8 |       | 42.0  | 126.0 |
|         |     |      |      |       | 18.6  | 56.0  |





#15

Acetone

Concen: 78.005 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 18659

Ion Ratio Lower Upper

58 100

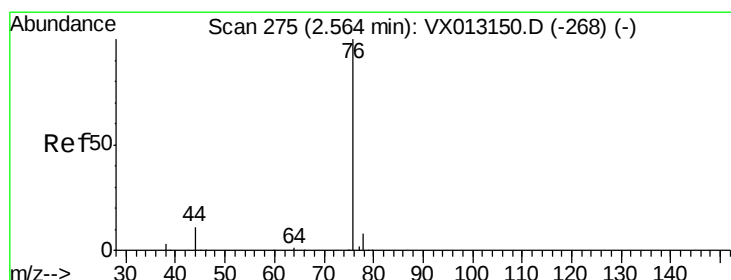
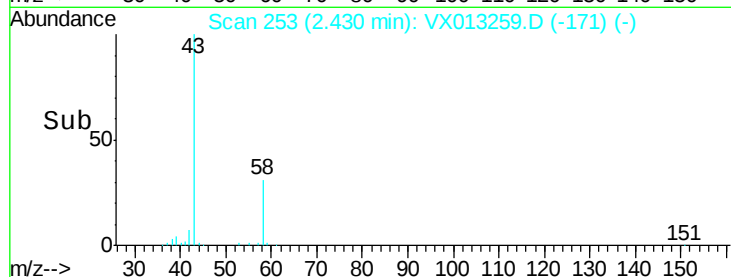
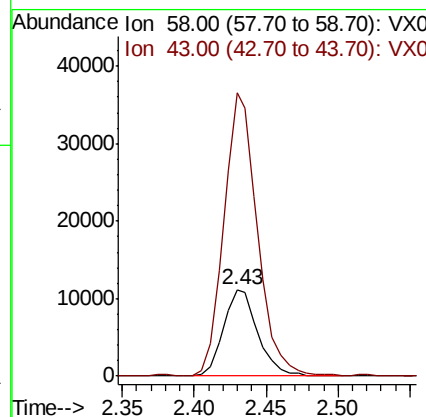
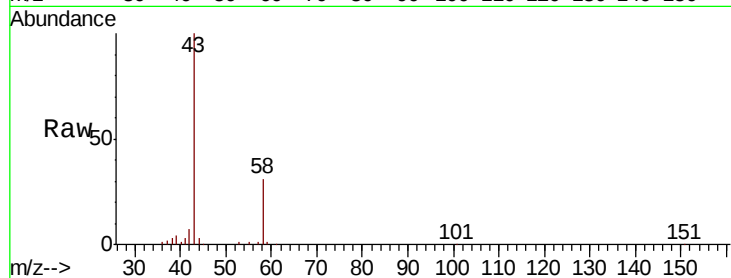
43 326.5 262.8 394.2

Manual Integrations

APPROVED

MMDadoda

10/30/2019 12:08:00 PM



#16

Carbon Disulfide

Concen: 16.490 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX013259.D

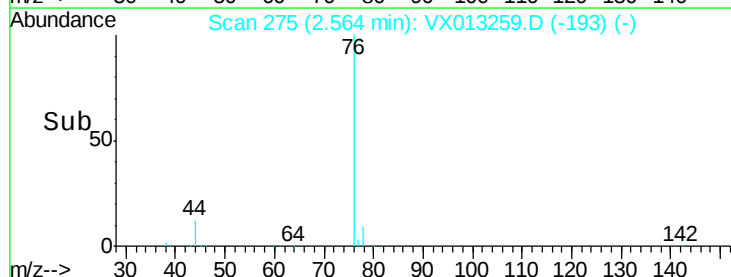
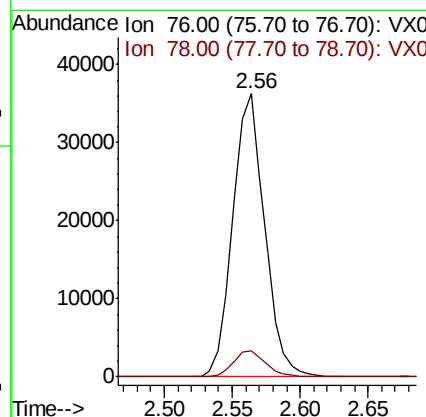
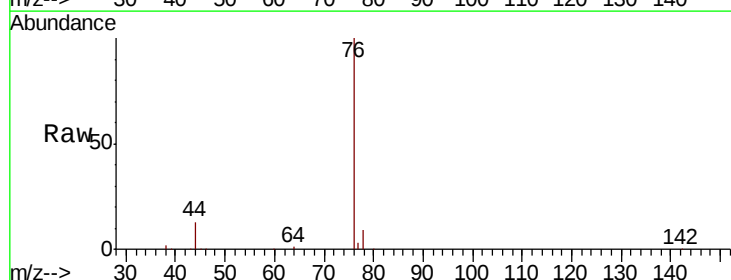
Acq: 28 Oct 2019 19:37

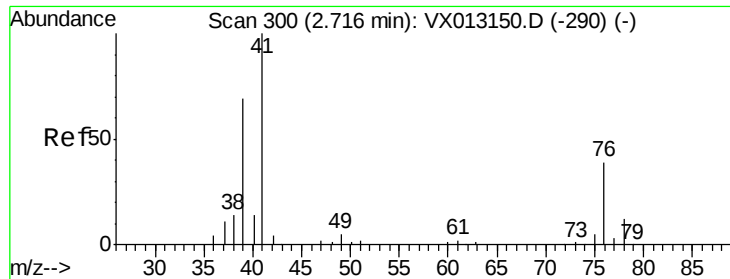
Tgt Ion: 76 Resp: 59201

Ion Ratio Lower Upper

76 100

78 9.1 6.6 10.0





#17

Allvl chloride

Concen: 16.651 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.01 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA\_X

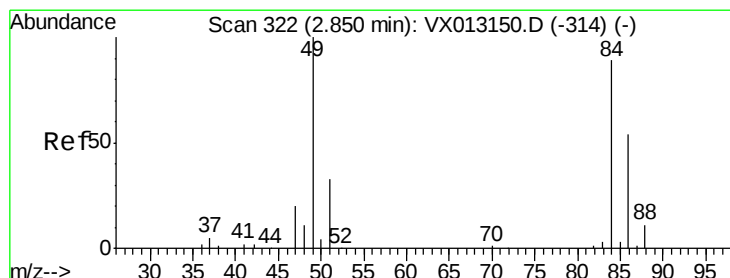
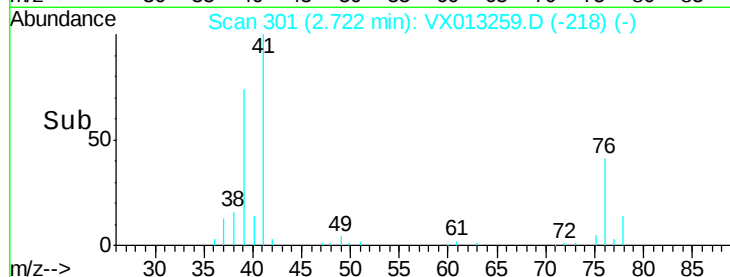
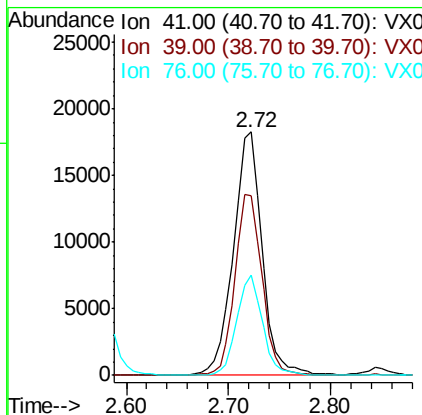
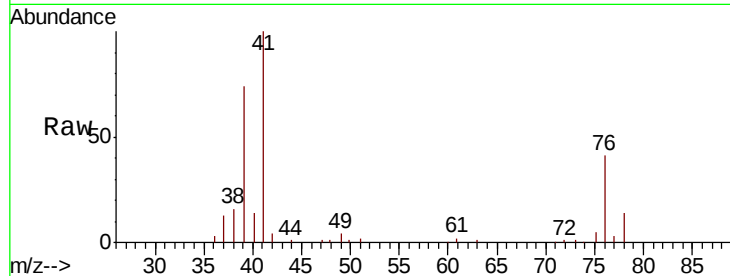
ClientSampleId :

VSTDCCC020EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 35609 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 74.0  | 34.7  | 104.1 |
| 76       | 41.4  | 19.7  | 59.0  |

Manual Integrations  
APPROVED

MMDadoda  
10/30/2019 12:08:00 PM



#18

Methylene Chloride

Concen: 17.086 ug/l

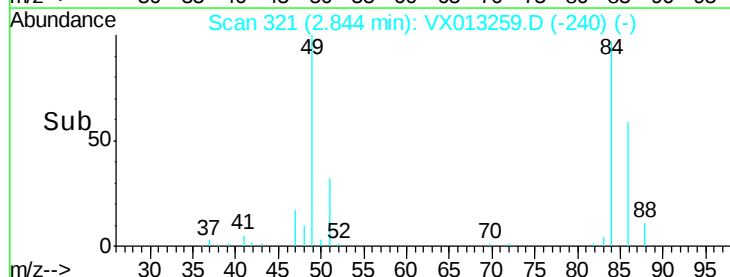
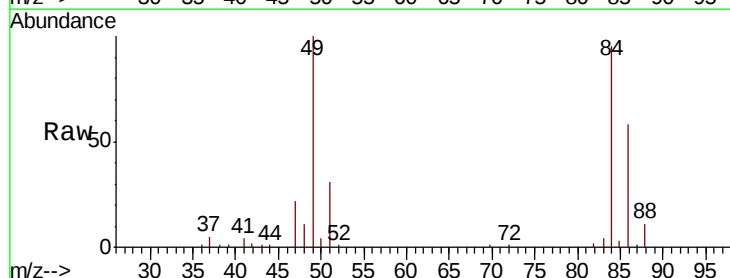
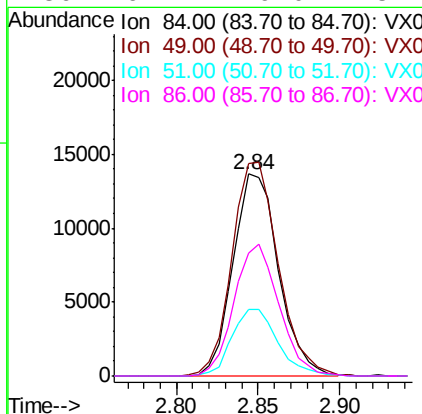
RT: 2.84 min Scan# 321

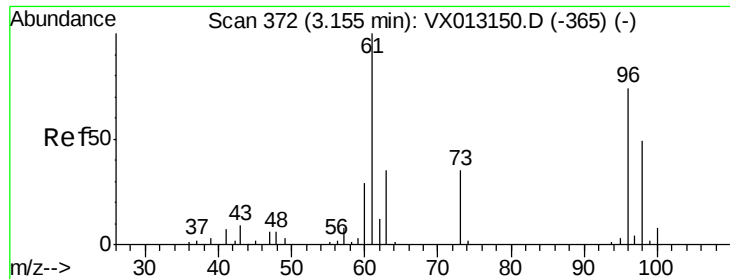
Delta R.T. -0.01 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 26598 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 104.3 | 90.3  | 135.5 |
| 51       | 32.7  | 29.9  | 44.9  |
| 86       | 61.1  | 49.0  | 73.4  |





#19

trans-1,2-Dichloroethene

Concen: 17.518 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 96 Resp: 24991

Ion Ratio Lower Upper

96 100

61 128.2 108.6 162.8

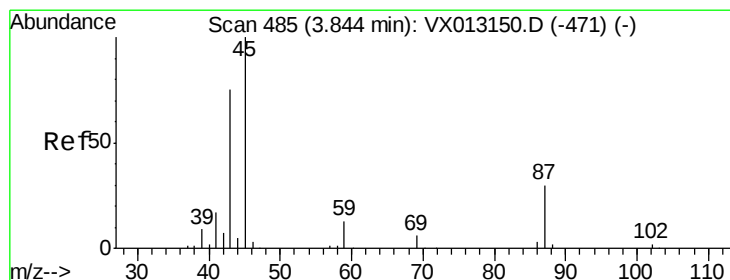
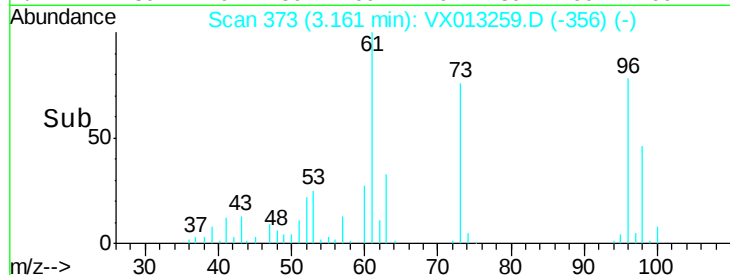
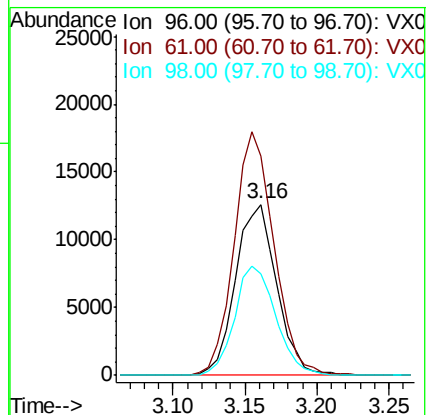
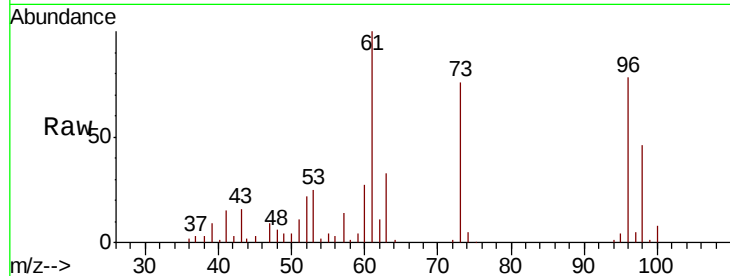
98 59.0 53.4 80.0

Manual Integrations

APPROVED

MMDadoda

10/30/2019 12:08:00 PM



#20

Diisopropyl ether

Concen: 17.433 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Tgt Ion: 45 Resp: 72103

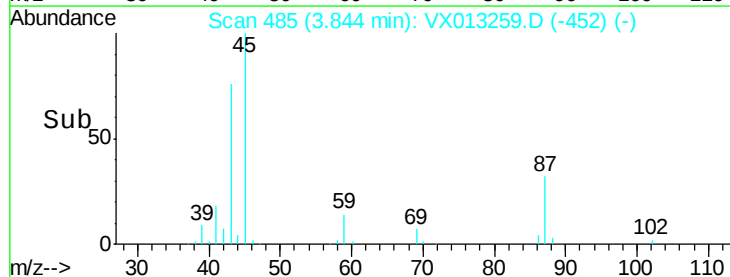
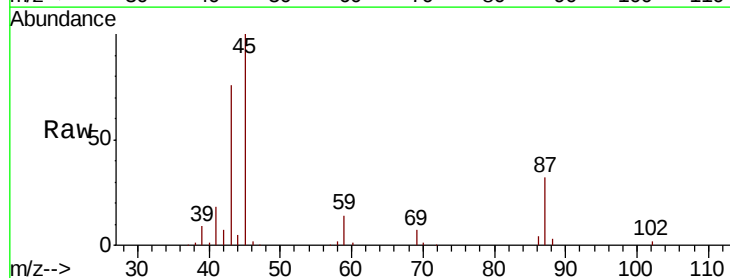
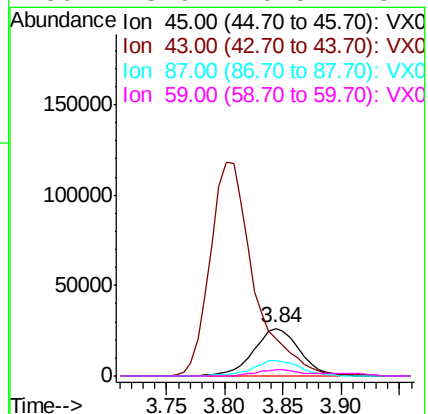
Ion Ratio Lower Upper

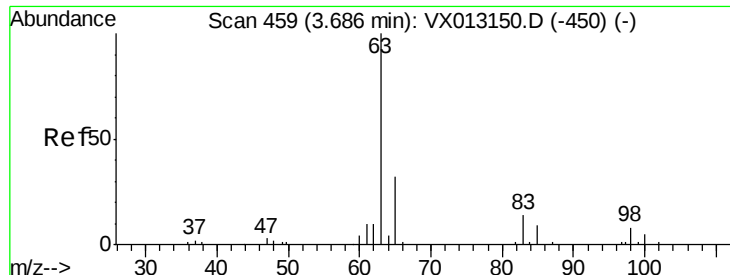
45 100

43 73.1 60.6 91.0

87 32.0 24.2 36.2

59 13.6 10.5 15.7





#21

1,1-Dichloroethane

Concen: 17.822 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA\_X

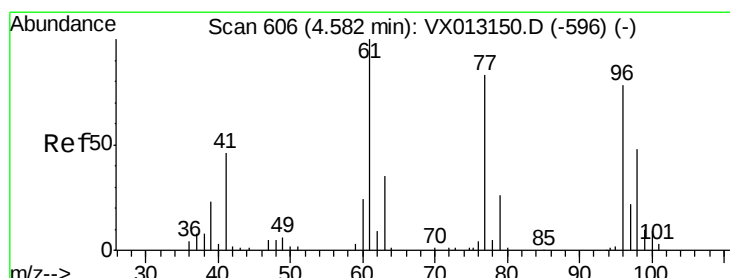
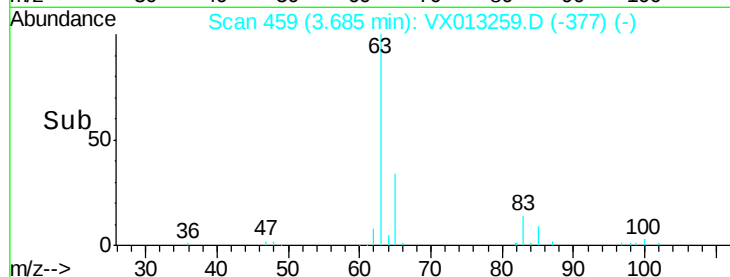
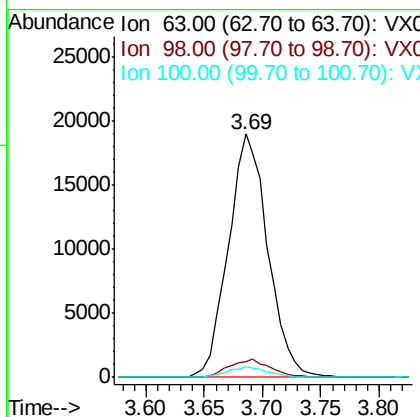
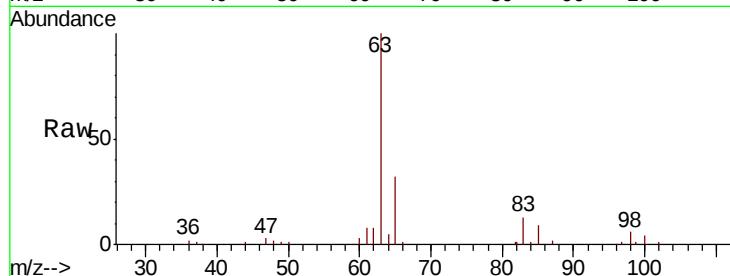
ClientSampleId :

VSTDCCC020EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 63    | Resp: | 44756 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 7.1   | 4.2   | 12.4  |
| 100      | 4.5   | 2.4   | 7.2   |

Manual Integrations  
APPROVED

MMDadoda  
10/30/2019 12:08:00 PM



#22

cis-1,2-Dichloroethene

Concen: 17.703 ug/l

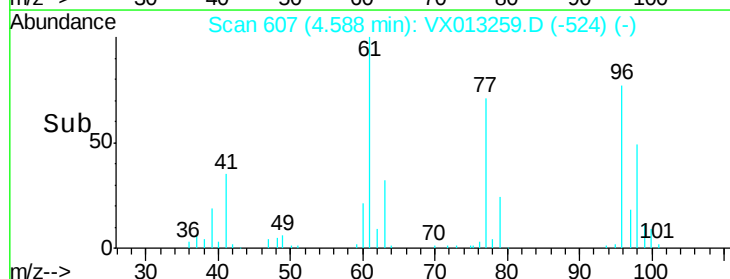
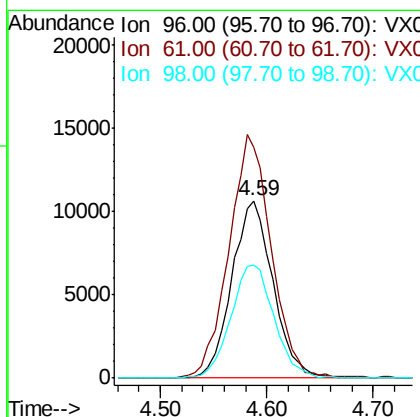
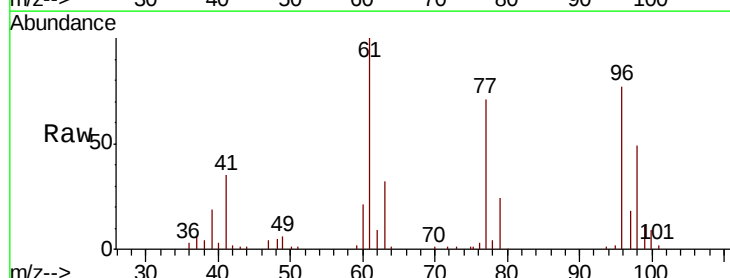
RT: 4.59 min Scan# 607

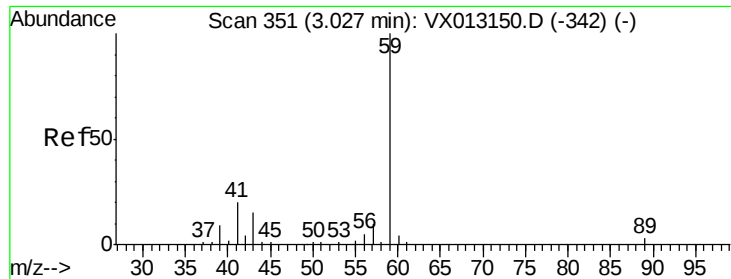
Delta R.T. 0.01 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 28799 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 140.8 | 112.5 | 168.7 |
| 98       | 66.4  | 51.2  | 76.8  |





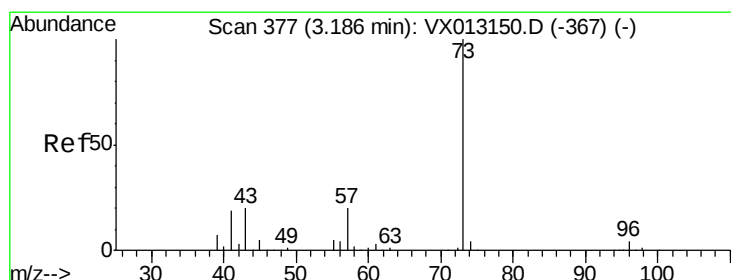
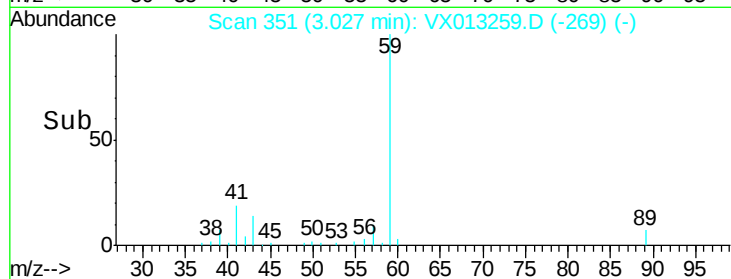
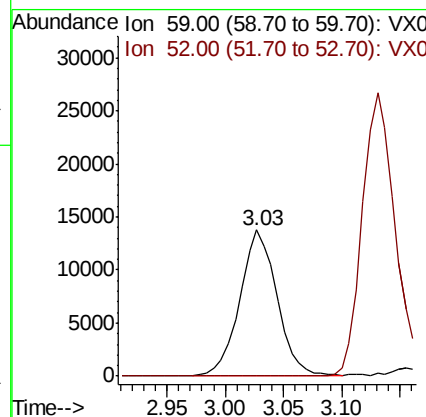
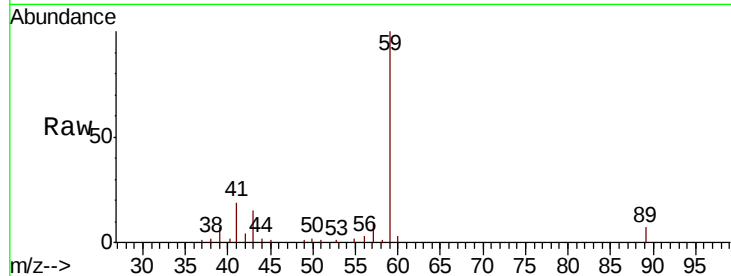
#23  
 tert-Butyl Alcohol  
 Concen: 80.619 ug/l  
 RT: 3.03 min Scan# 351  
 Delta R.T. -0.00 min  
 Lab File: VX013259.D  
 Acq: 28 Oct 2019 19:37

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 59      | 100 |       |       |       |
| 52      | 0.0 | 0.0   | 0.0   | 0.0   |

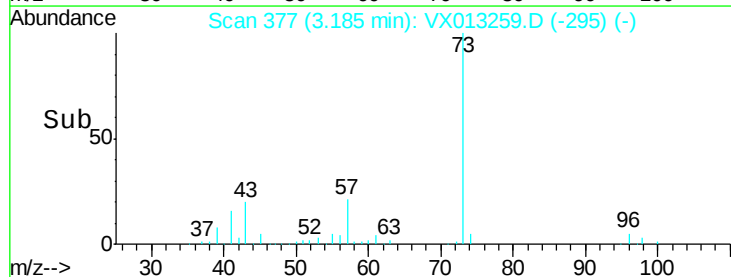
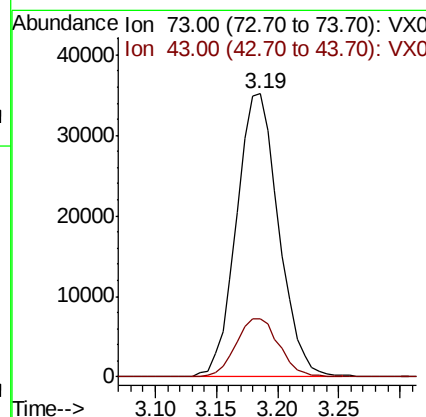
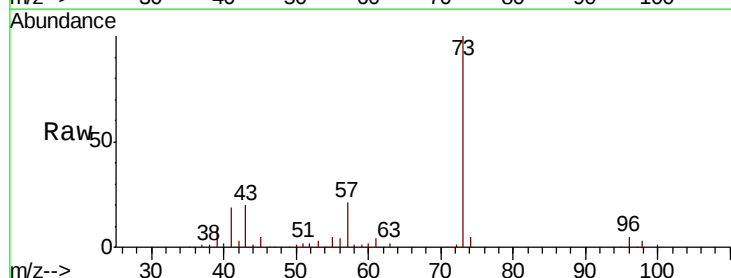
Manual Integrations  
 APPROVED

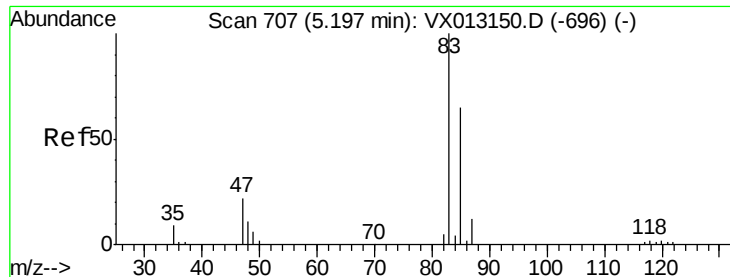
MMDadoda  
 10/30/2019 12:08:00 PM



#24  
 Methyl tert-Butyl Ether  
 Concen: 18.175 ug/l  
 RT: 3.19 min Scan# 377  
 Delta R.T. -0.00 min  
 Lab File: VX013259.D  
 Acq: 28 Oct 2019 19:37

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 73      | 100  |       |       |       |
| 43      | 20.9 | 17.1  | 25.7  |       |





#25

Chloroform

Concen: 18.893 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 49858

Ion Ratio Lower Upper

83 100

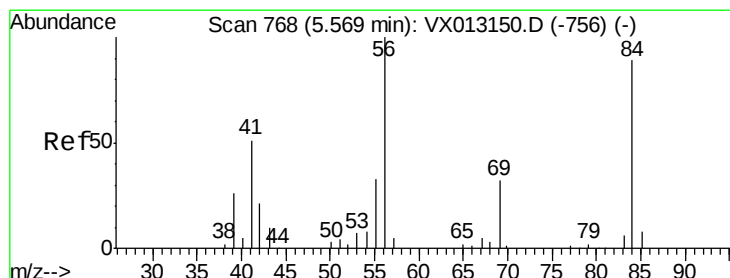
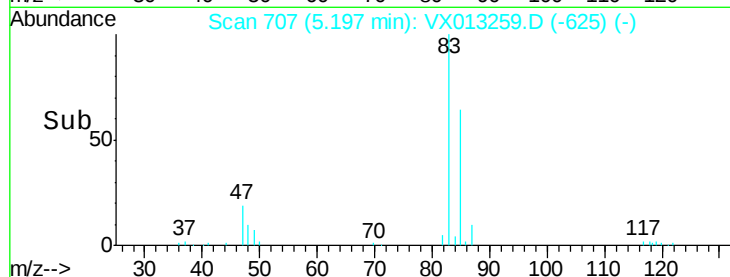
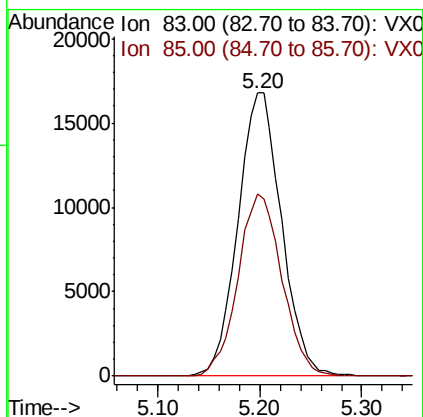
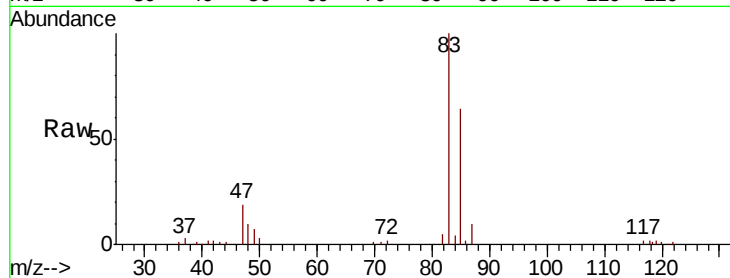
85 64.2 52.0 78.0

Manual Integrations

APPROVED

MMDadoda

10/30/2019 12:08:00 PM



#26

Cyclohexane

Concen: 16.849 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

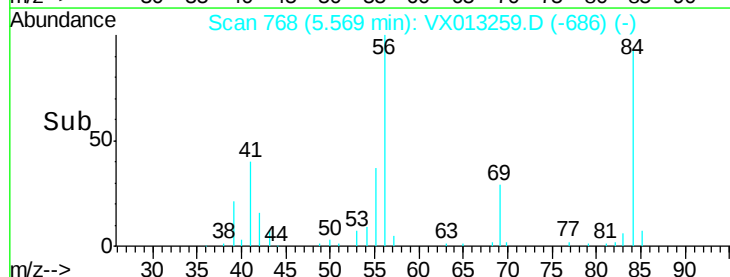
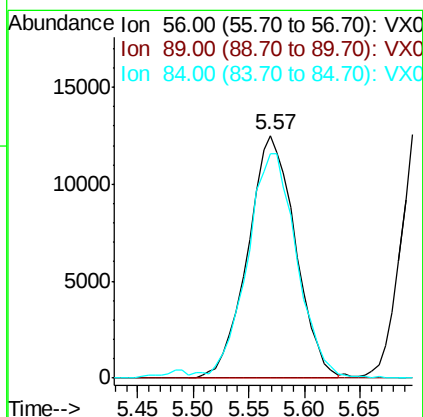
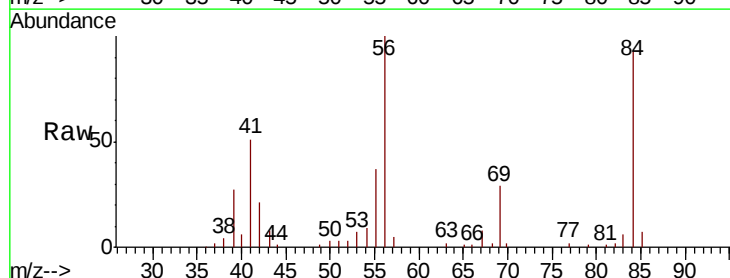
Tgt Ion: 56 Resp: 37128

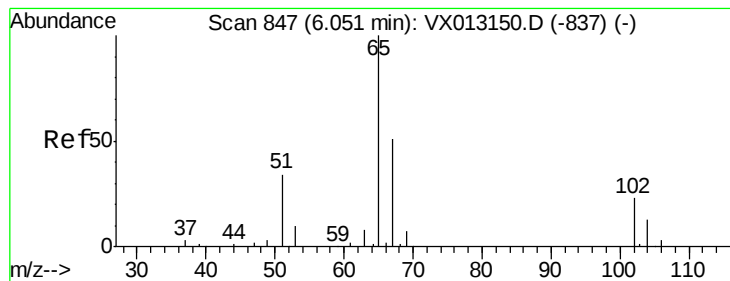
Ion Ratio Lower Upper

56 100

89 0.0 0.2 0.2#

84 95.8 74.0 111.0





#27

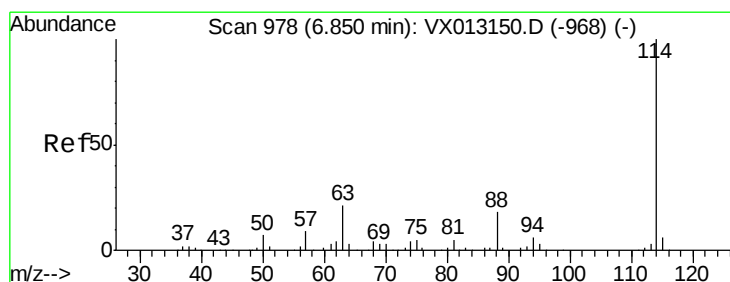
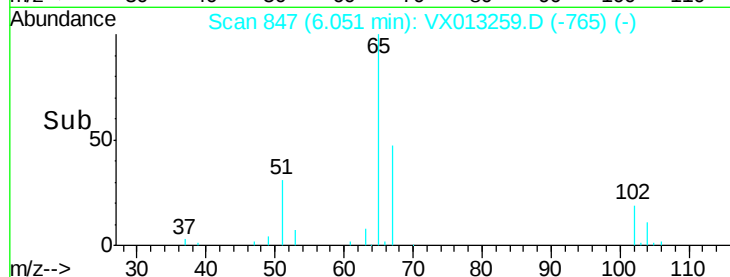
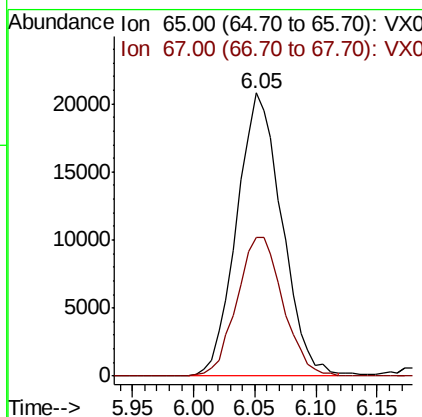
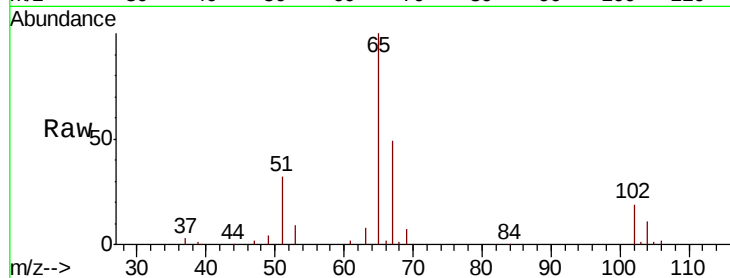
1,2-Dichloroethane-d4  
Concen: 30.929 ug/l  
RT: 6.05 min Scan# 847  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 50.1  | 42.2  | 63.4  |

Manual Integrations  
APPROVED

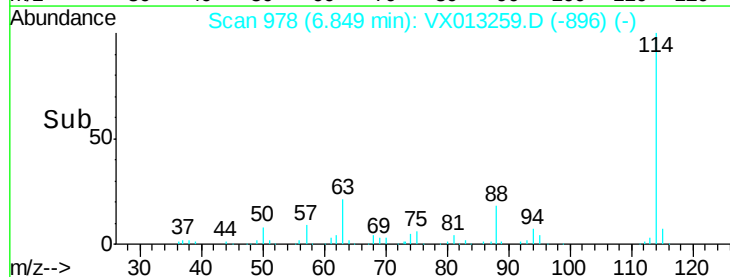
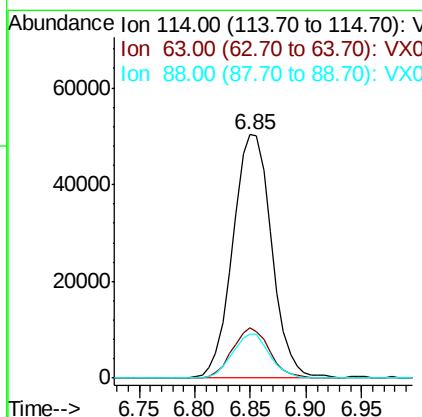
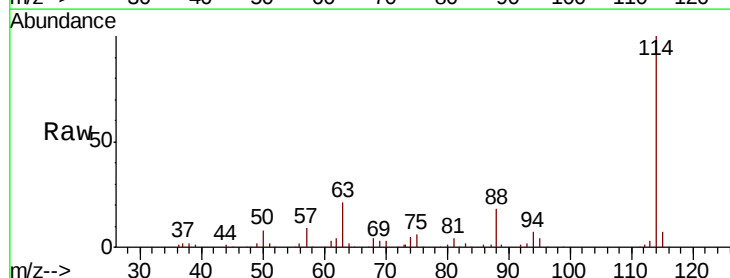
MMDadoda  
10/30/2019 12:08:00 PM

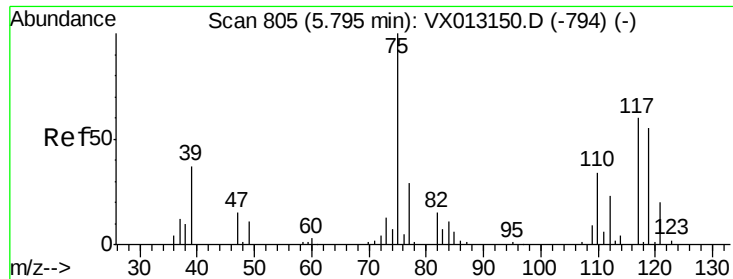


#28

1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 6.85 min Scan# 978  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.7  | 16.1  | 24.1  |
| 88      | 17.5  | 13.7  | 20.5  |





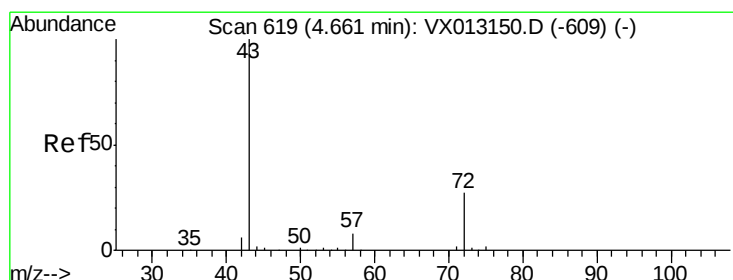
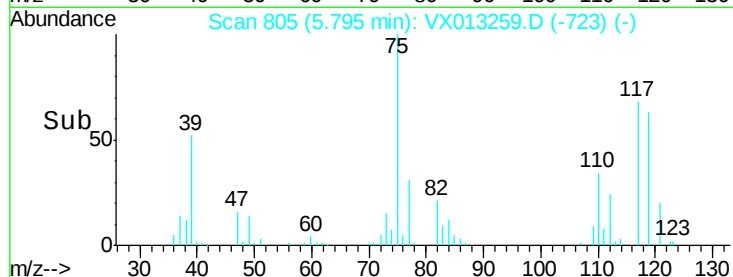
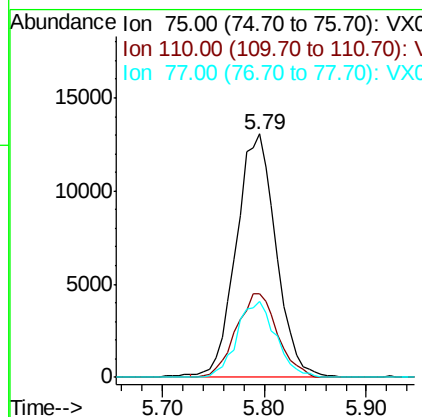
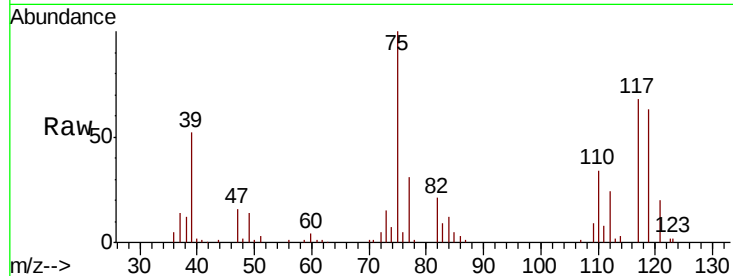
#29  
 1,1-Dichloropropene  
 Concen: 18.633 ug/l  
 RT: 5.79 min Scan# 805  
 Delta R.T. -0.00 min  
 Lab File: VX013259.D  
 Acq: 28 Oct 2019 19:37

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 35.9  | 0.0   | 68.4  |
| 77      | 30.4  | 0.0   | 30.8  |

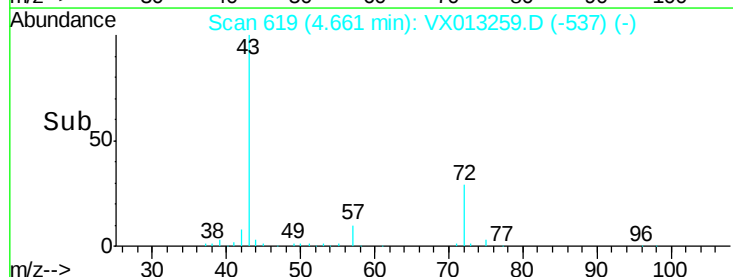
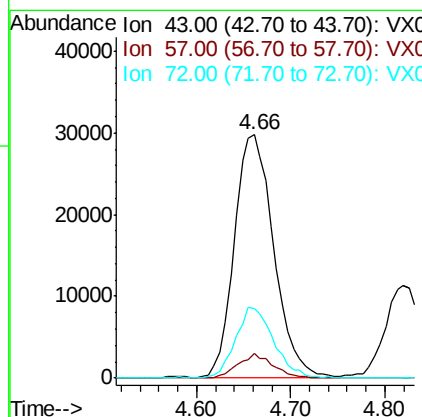
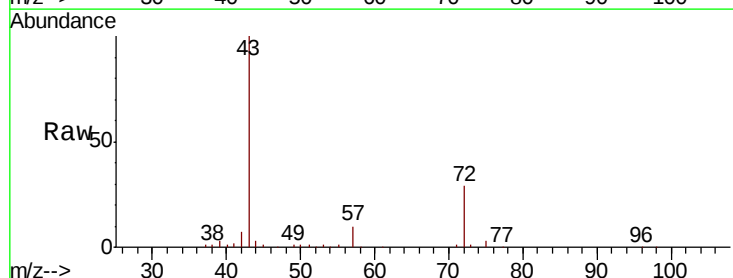
Manual Integrations  
 APPROVED

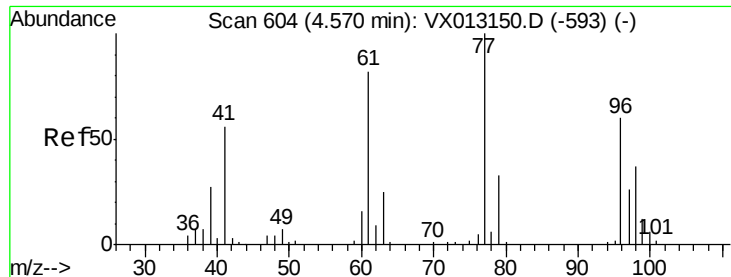
MMDadoda  
 10/30/2019 12:08:00 PM



#30  
 2-Butanone  
 Concen: 87.616 ug/l  
 RT: 4.66 min Scan# 619  
 Delta R.T. -0.00 min  
 Lab File: VX013259.D  
 Acq: 28 Oct 2019 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 57      | 8.9   | 7.0   | 10.6  |
| 72      | 28.1  | 23.4  | 35.2  |





#31

2,2-Dichloropropane

Concen: 17.917 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 39294

Ion Ratio Lower Upper

77 100

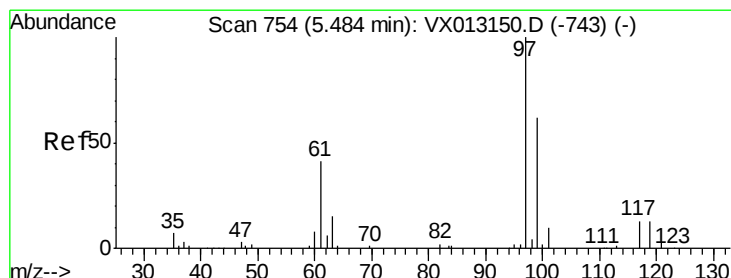
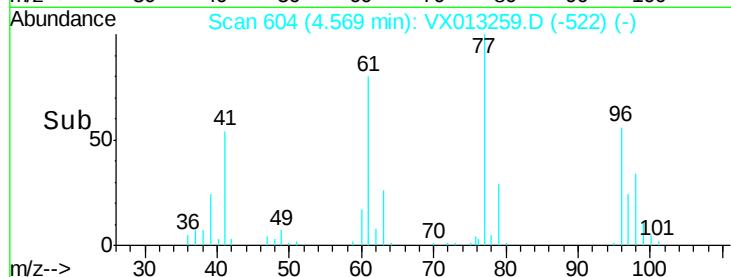
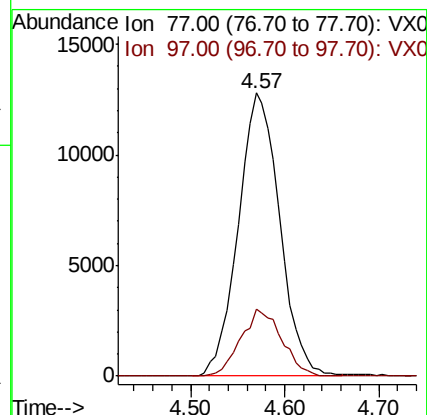
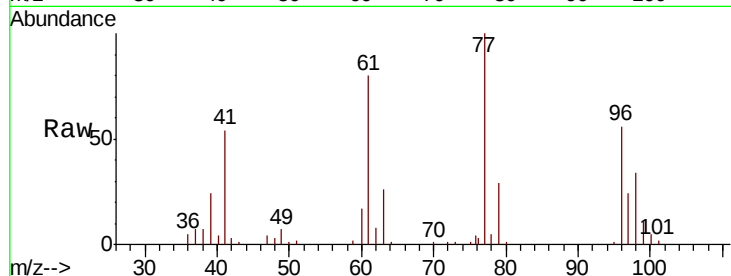
97 23.2 19.1 28.7

Manual Integrations

APPROVED

MMDadoda

10/30/2019 12:08:00 PM



#32

1,1,1-Trichloroethane

Concen: 20.097 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

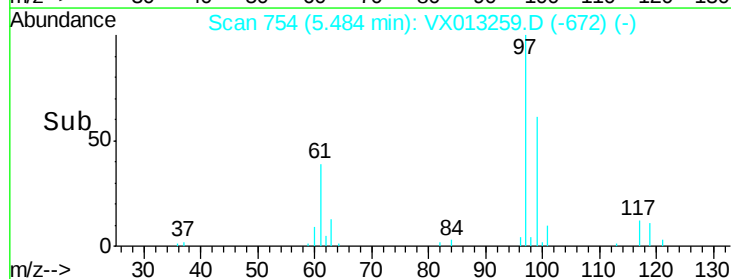
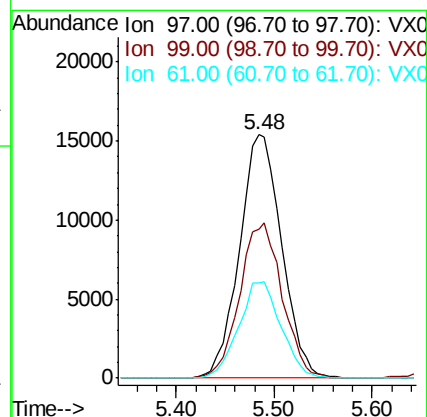
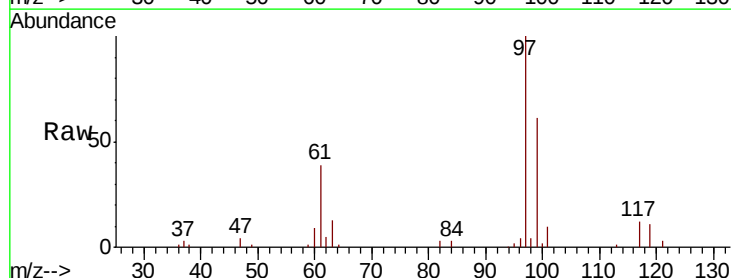
Tgt Ion: 97 Resp: 46129

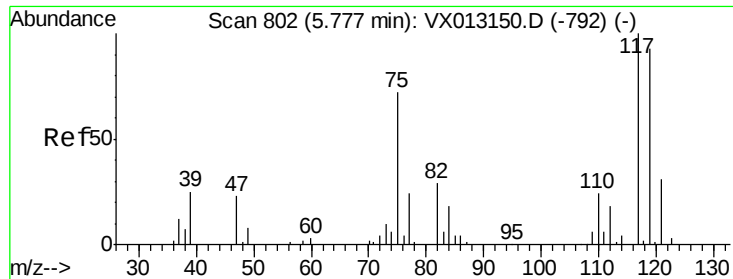
Ion Ratio Lower Upper

97 100

99 64.2 51.8 77.8

61 39.8 33.5 50.3





#33

Carbon Tetrachloride

Concen: 19.842 ug/l

RT: 5.77 min Scan# 801

Delta R.T. -0.01 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA\_X

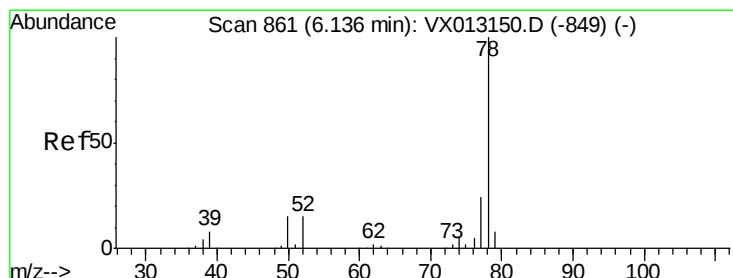
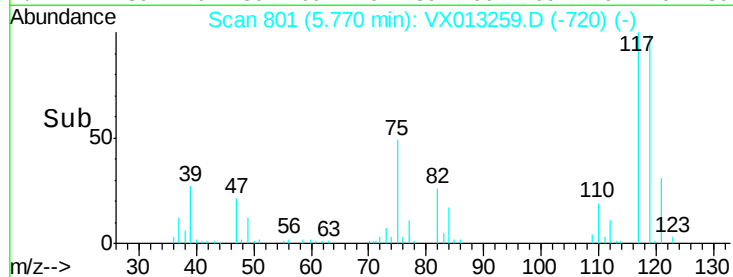
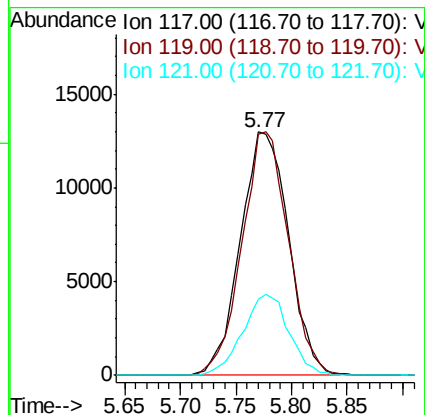
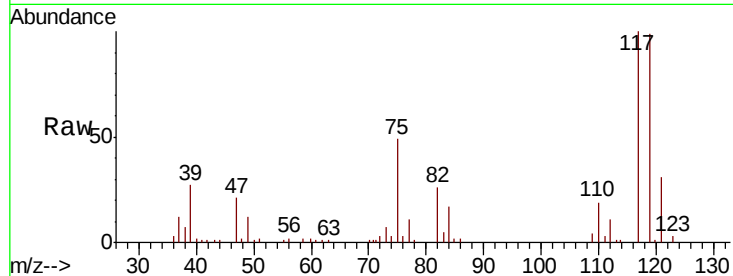
ClientSampleId :

VSTDCCC020EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 117   | Resp: | 39144 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 99.0  | 74.9  | 112.3 |
| 121      | 31.4  | 25.0  | 37.4  |

Manual Integrations  
APPROVED

MMDadoda  
10/30/2019 12:08:00 PM



#34

Benzene

Concen: 18.409 ug/l

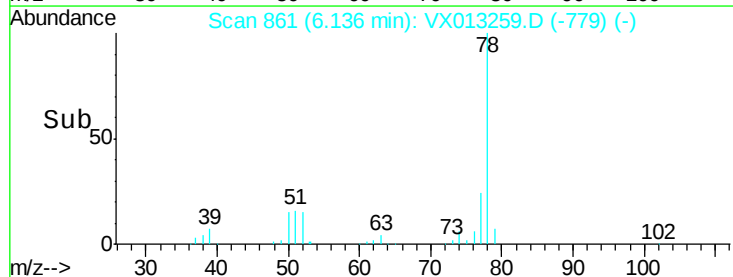
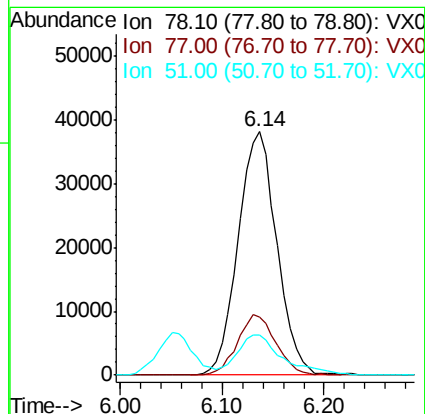
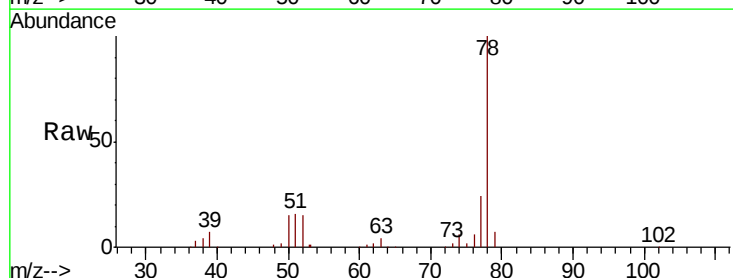
RT: 6.14 min Scan# 861

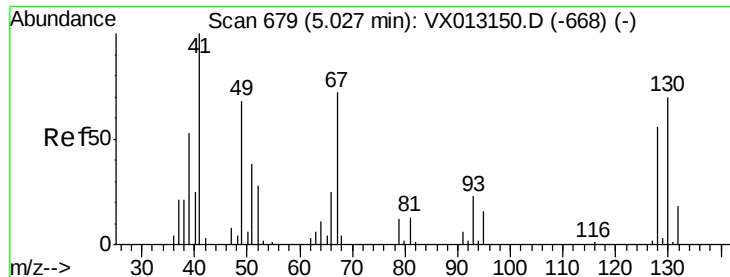
Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 78    | Resp: | 100531 |
| Ion      | Ratio | Lower | Upper  |
| 78       | 100   |       |        |
| 77       | 24.0  | 19.3  | 28.9   |
| 51       | 15.5  | 11.4  | 17.2   |





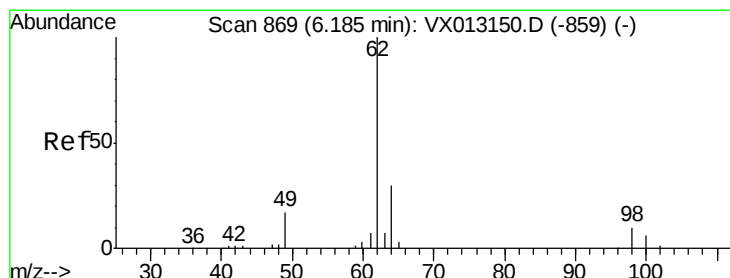
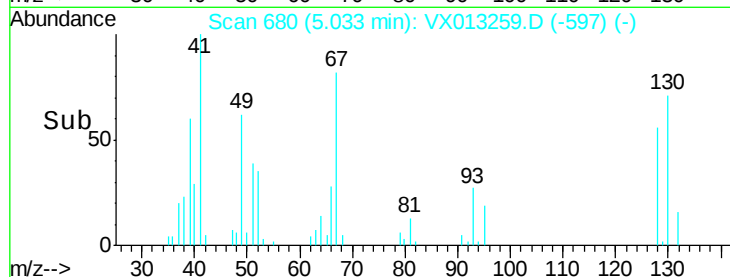
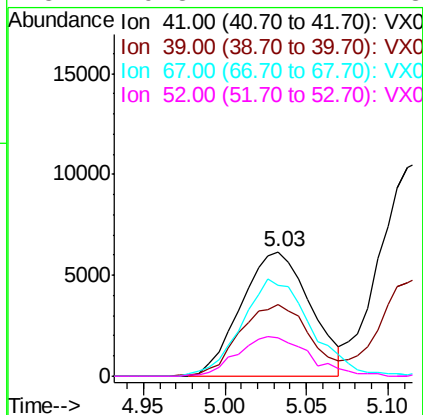
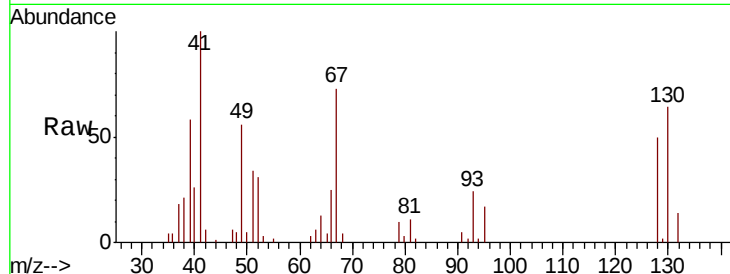
#35  
Methacrylonitrile  
Concen: 17.880 ug/l  
RT: 5.03 min Scan# 680  
Delta R.T. 0.01 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 41    | Resp: | 18245 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 39        | 56.9  | 26.3  | 78.9  |
| 67        | 71.0  | 35.8  | 107.4 |
| 52        | 29.8  | 14.1  | 42.3  |

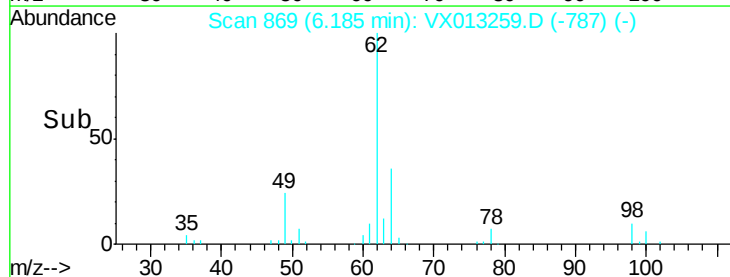
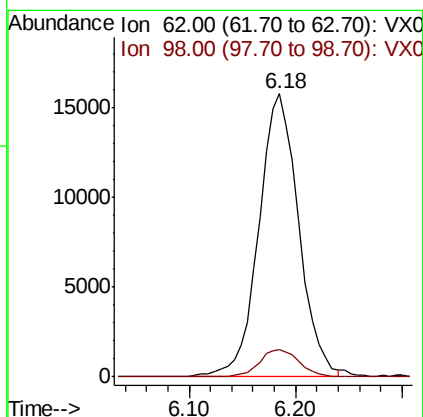
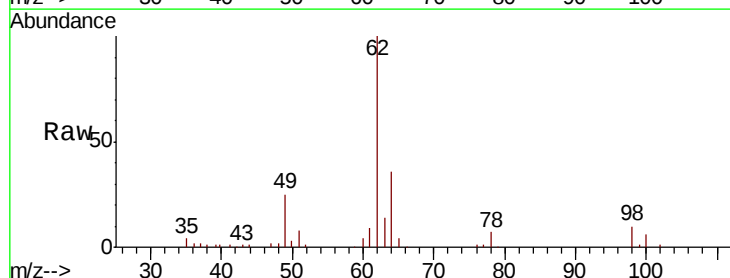
Manual Integrations  
APPROVED

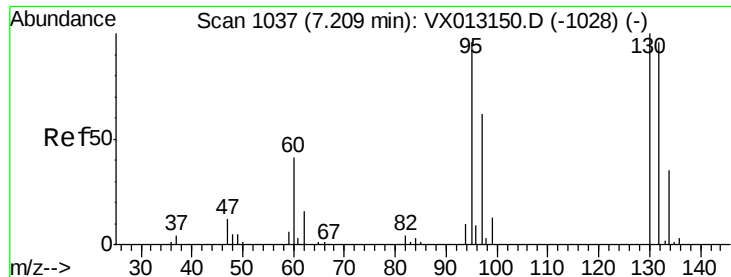
MMDadoda  
10/30/2019 12:08:00 PM



#36  
1,2-Dichloroethane  
Concen: 20.031 ug/l  
RT: 6.18 min Scan# 869  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 62    | Resp: | 41349 |
| Ion Ratio | Lower | Upper |       |
| 62        | 100   |       |       |
| 98        | 9.5   | 8.0   | 12.0  |





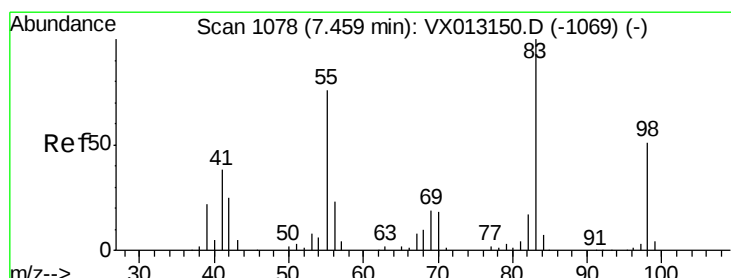
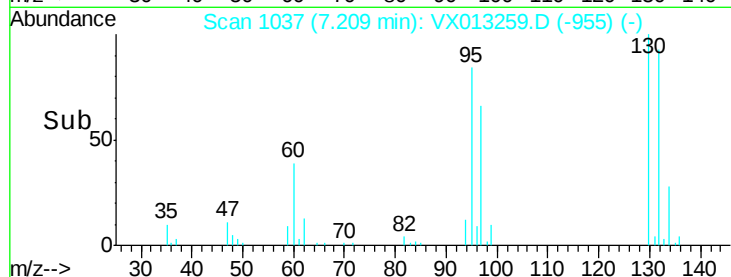
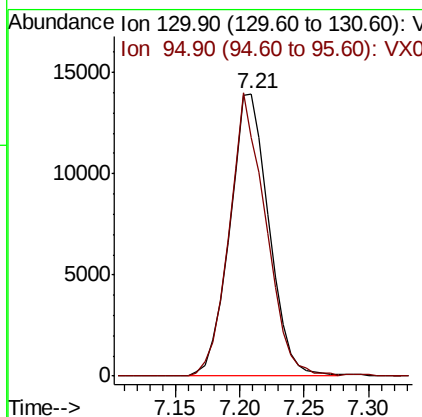
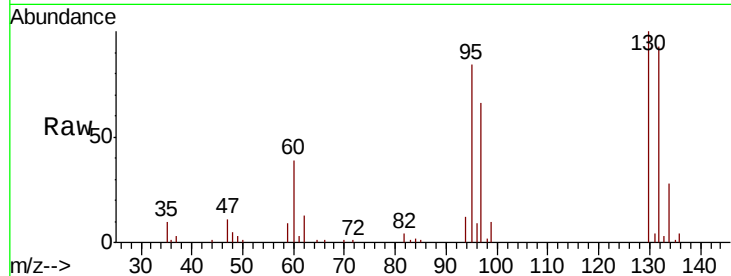
#37  
 Trichloroethene  
 Concen: 19.370 ug/l  
 RT: 7.21 min Scan# 1037  
 Delta R.T. -0.00 min  
 Lab File: VX013259.D  
 Acq: 28 Oct 2019 19:37

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

Tot Ion:130 Resp: 29339  
 Ion Ratio Lower Upper  
 130 100  
 95 84.5 77.0 115.6

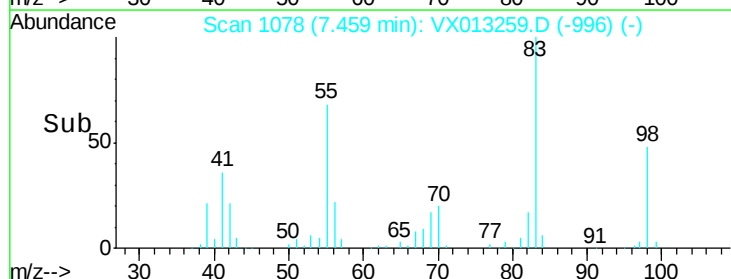
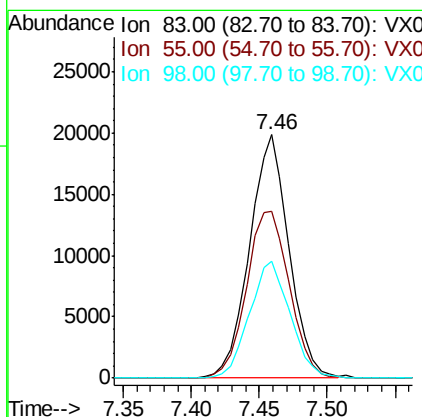
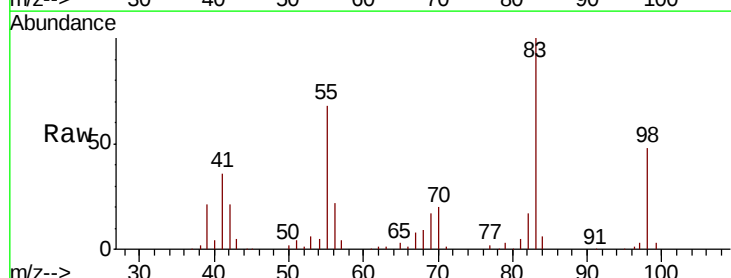
Manual Integrations  
 APPROVED

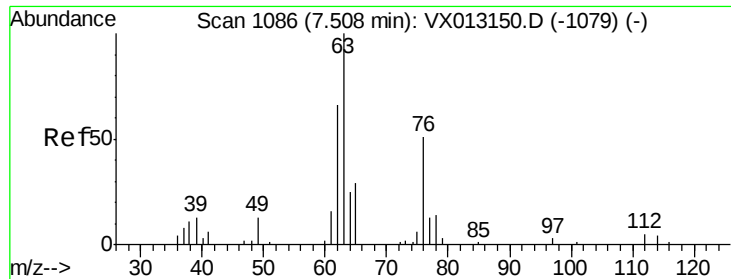
MMDadoda  
 10/30/2019 12:08:00 PM



#38  
 Methylcyclohexane  
 Concen: 17.461 ug/l  
 RT: 7.46 min Scan# 1078  
 Delta R.T. -0.00 min  
 Lab File: VX013259.D  
 Acq: 28 Oct 2019 19:37

Tgt Ion: 83 Resp: 40393  
 Ion Ratio Lower Upper  
 83 100  
 55 74.3 37.5 112.5  
 98 49.7 25.4 76.0





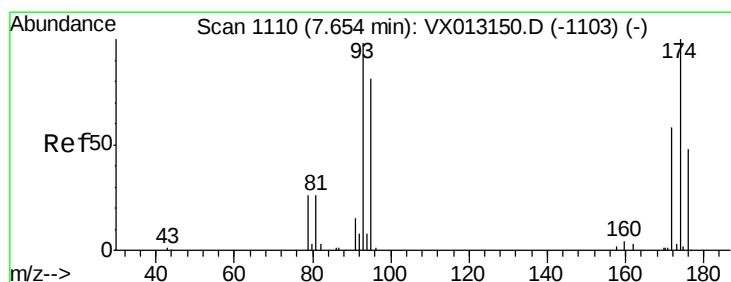
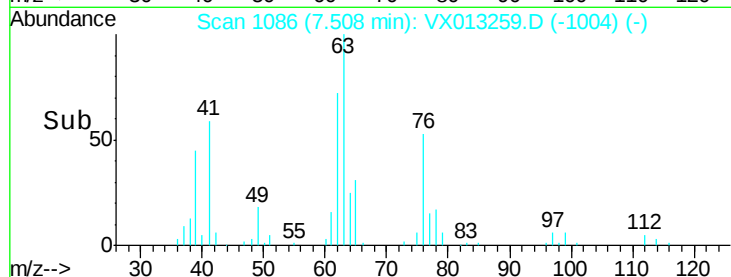
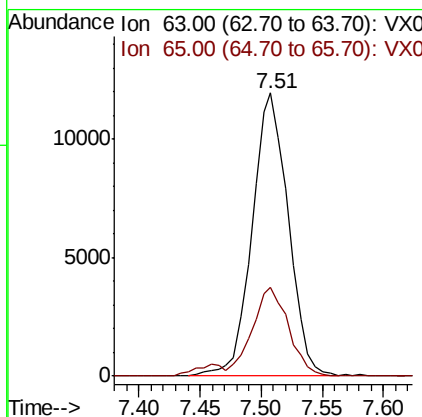
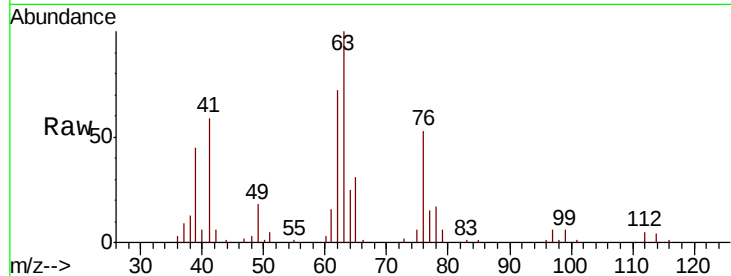
#39  
 1,2-Dichloropropane  
 Concen: 18.326 ug/l  
 RT: 7.51 min Scan# 1086  
 Delta R.T. -0.00 min  
 Lab File: VX013259.D  
 Acq: 28 Oct 2019 19:37

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

Tot Ion: 63 Resp: 24563  
 Ion Ratio Lower Upper  
 63 100  
 65 31.5 24.8 37.2

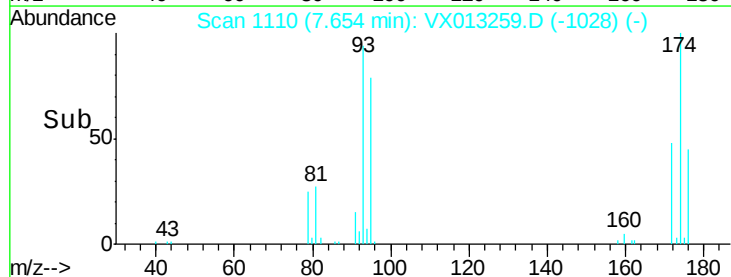
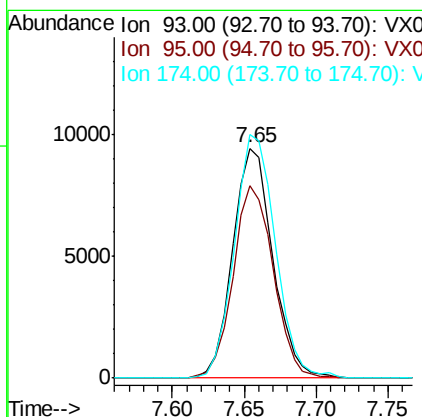
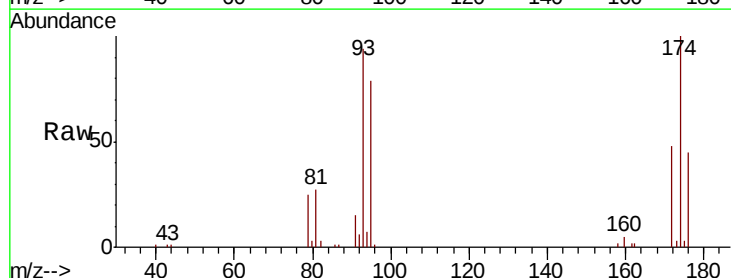
Manual Integrations  
 APPROVED

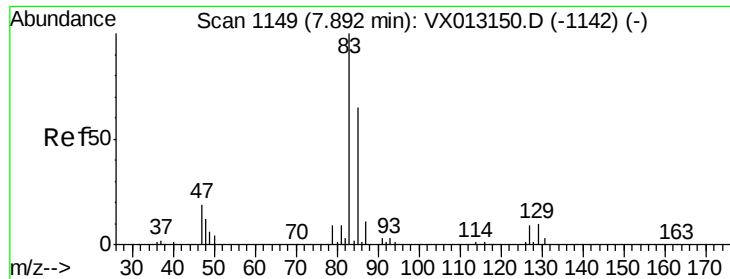
MMDadoda  
 10/30/2019 12:08:00 PM



#40  
 Dibromomethane  
 Concen: 19.116 ug/l  
 RT: 7.65 min Scan# 1110  
 Delta R.T. -0.00 min  
 Lab File: VX013259.D  
 Acq: 28 Oct 2019 19:37

Tgt Ion: 93 Resp: 18302  
 Ion Ratio Lower Upper  
 93 100  
 95 83.7 0.0 166.0  
 174 107.6 0.0 208.8





#41

Bromodichloromethane

Concen: 19.006 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA\_X

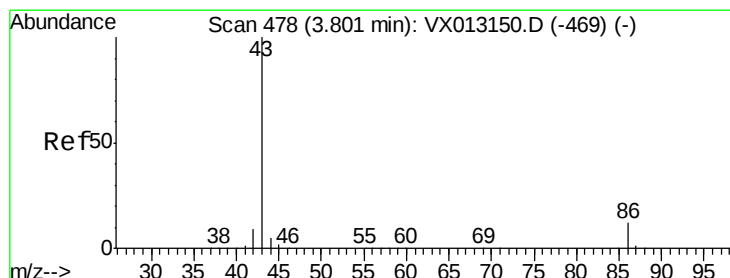
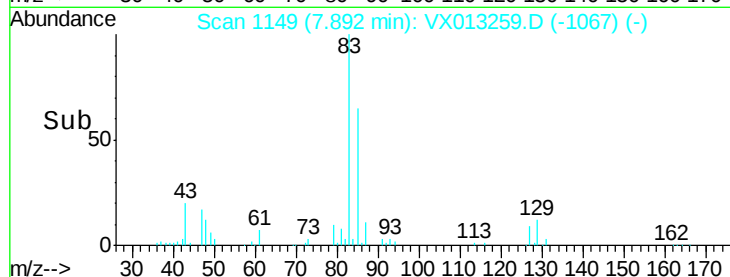
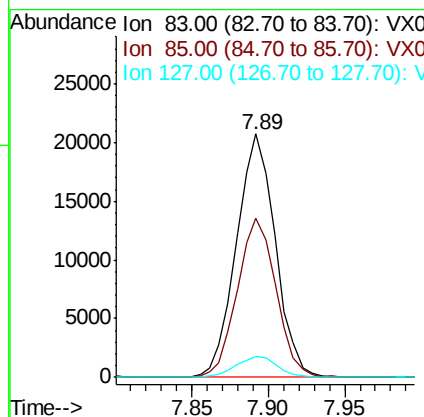
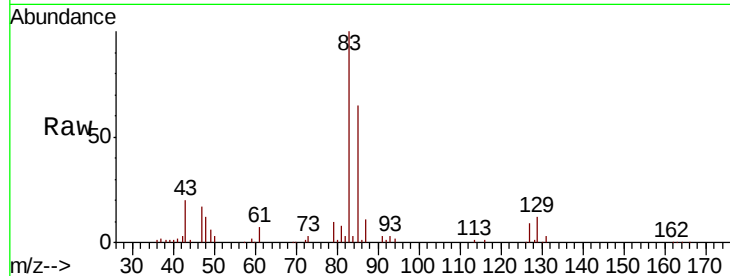
ClientSampleId :

VSTDCCC020EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 36690 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 65.2  | 52.1  | 78.1  |
| 127       | 8.6   | 7.5   | 11.3  |

Manual Integrations  
APPROVED

MMDadoda  
10/30/2019 12:08:00 PM



#42

Vinyl Acetate

Concen: 88.851 ug/l

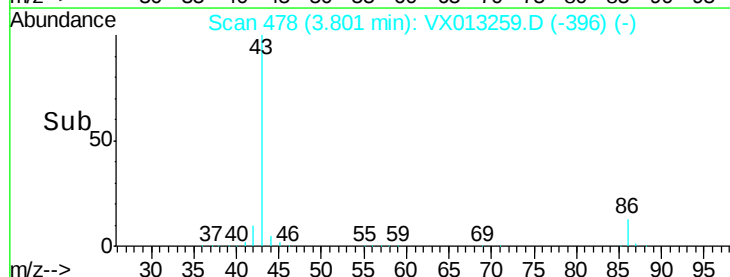
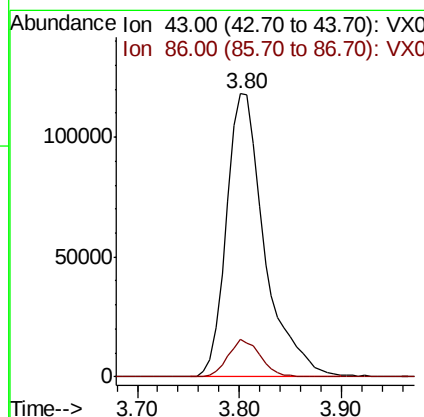
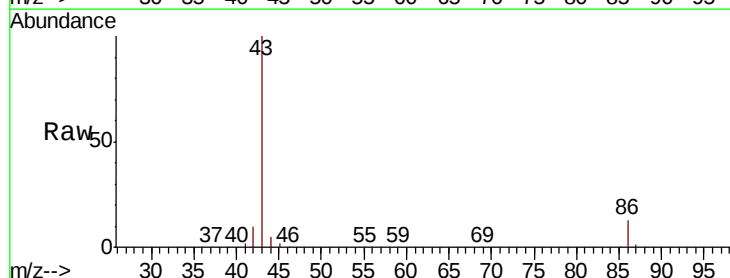
RT: 3.80 min Scan# 478

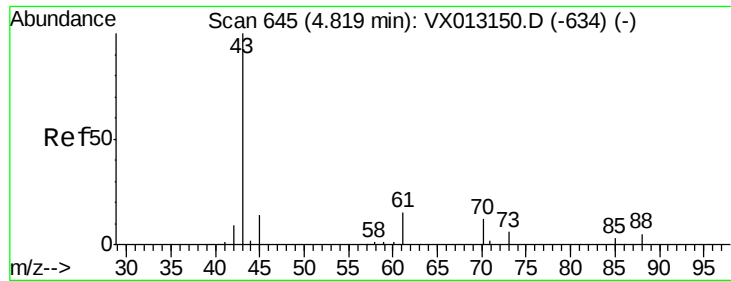
Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 306571 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 86        | 11.3  | 8.6   | 12.8   |





#43

Ethyl Acetate

Concen: 18.437 ug/l

RT: 4.82 min Scan# 645

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 33459

Ion Ratio Lower Upper

43 100

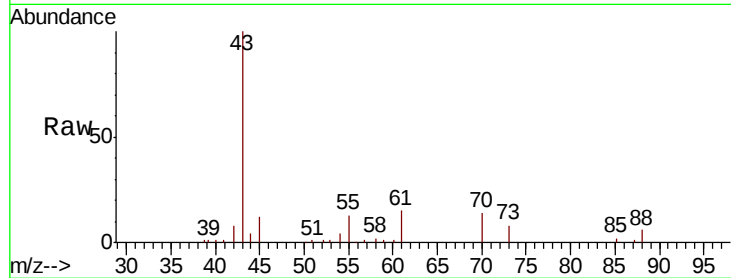
45 14.4 12.6 18.8

Manual Integrations

APPROVED

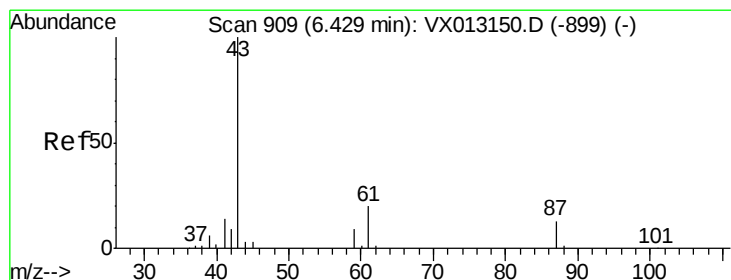
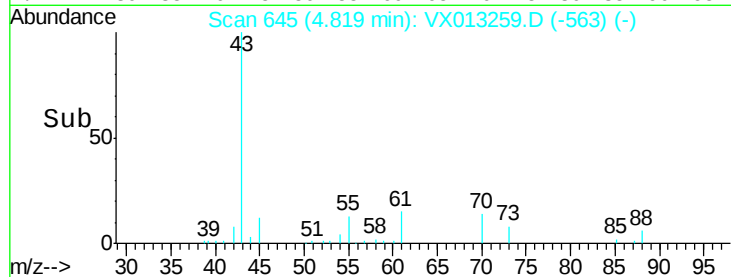
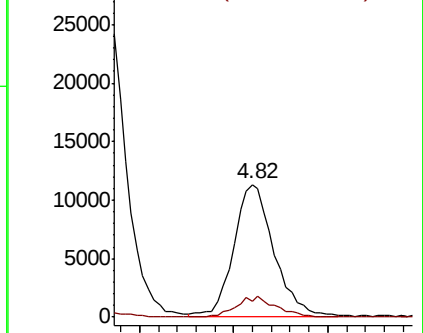
MMDadoda

10/30/2019 12:08:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 17.843 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.01 min

Lab File: VX013259.D

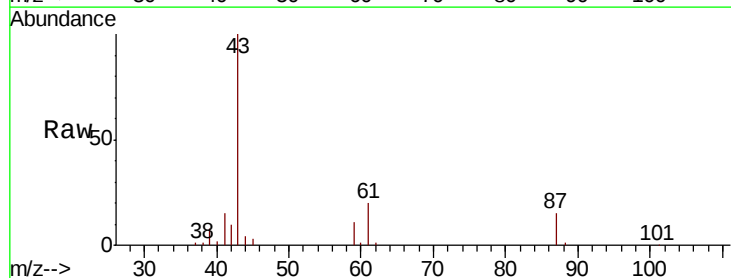
Acq: 28 Oct 2019 19:37

Tgt Ion: 43 Resp: 54423

Ion Ratio Lower Upper

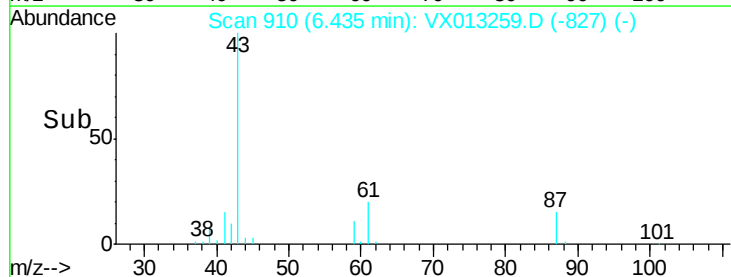
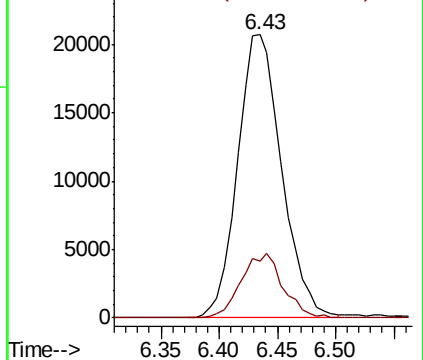
43 100

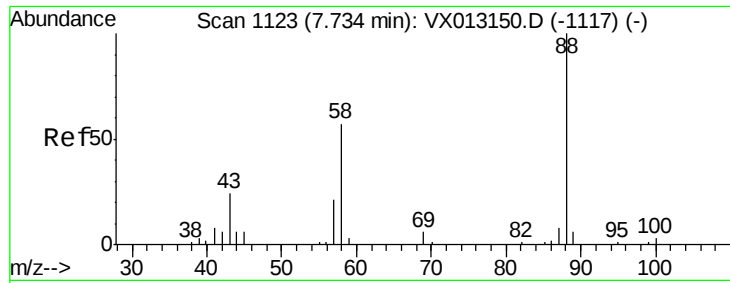
61 21.4 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





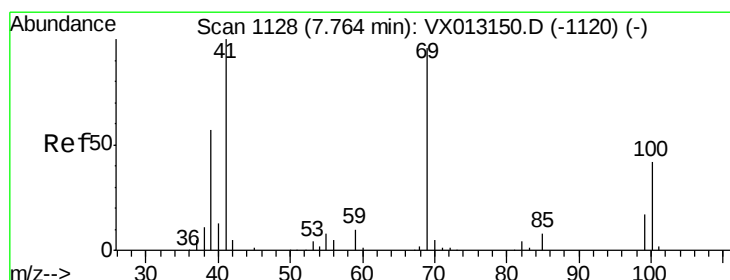
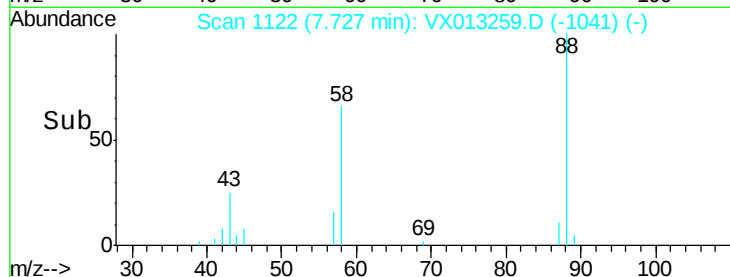
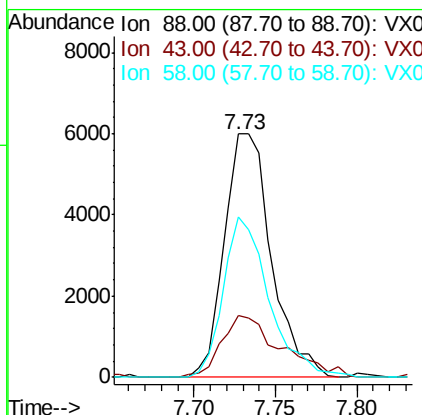
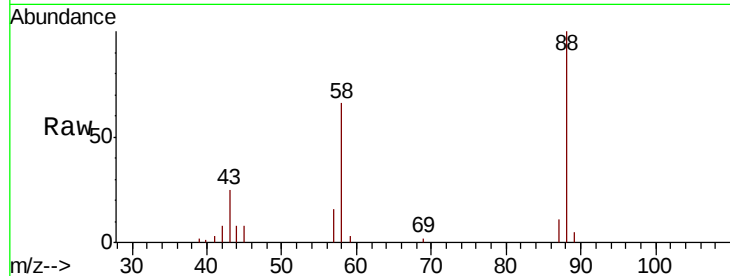
#45  
1,4-Dioxane  
Concen: 313.098 ug/l  
RT: 7.73 min Scan# 1122  
Delta R.T. -0.01 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 24.6  | 24.0  | 36.0  |
| 58      | 64.2  | 52.8  | 79.2  |

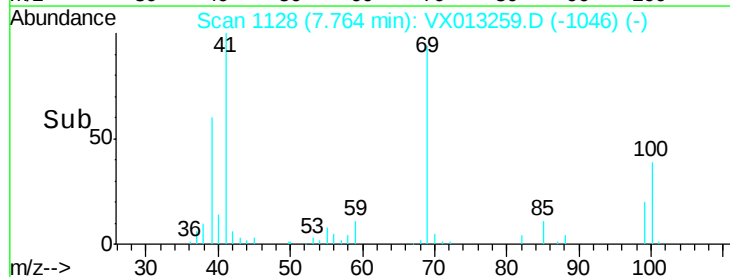
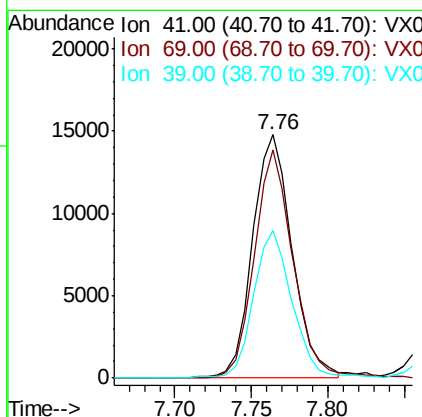
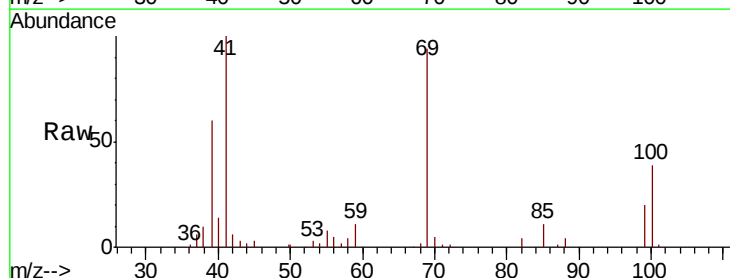
Manual Integrations  
APPROVED

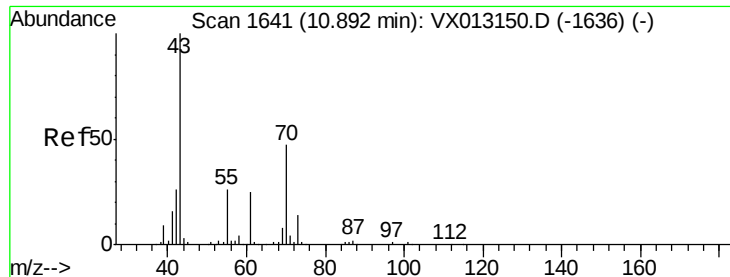
MMDadoda  
10/30/2019 12:08:00 PM



#46  
Methyl methacrylate  
Concen: 17.739 ug/l  
RT: 7.76 min Scan# 1128  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 94.0  | 47.8  | 143.3 |
| 39      | 60.4  | 28.5  | 85.5  |





#47

n-amvl Acetate

Concen: 17.724 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 45569

Ion Ratio Lower Upper

43 100

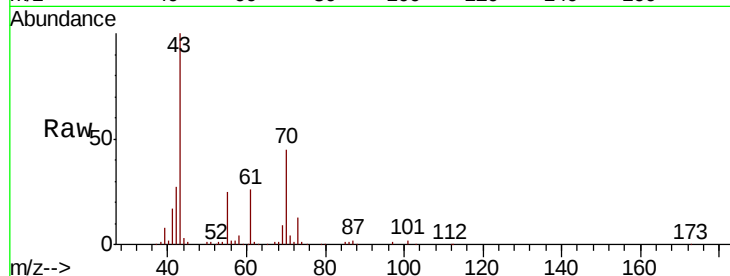
55 26.6 20.9 31.3

Manual Integrations

APPROVED

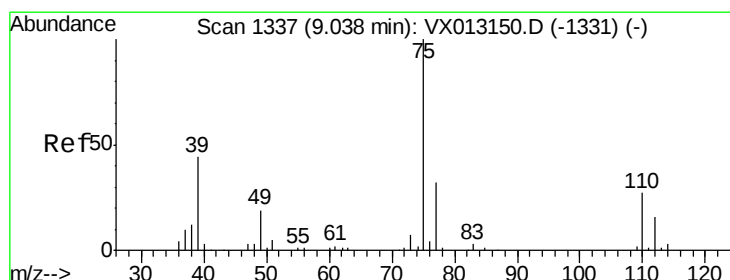
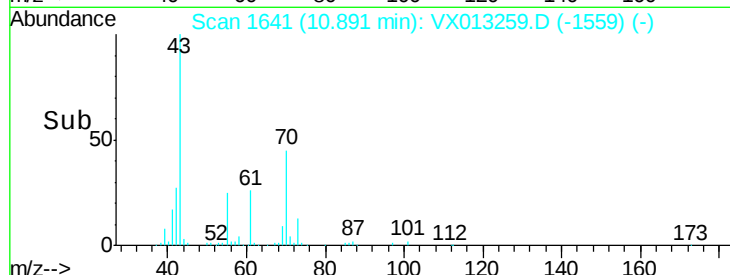
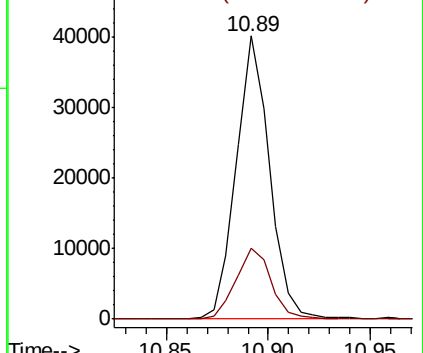
MMDadoda

10/30/2019 12:08:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 18.136 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX013259.D

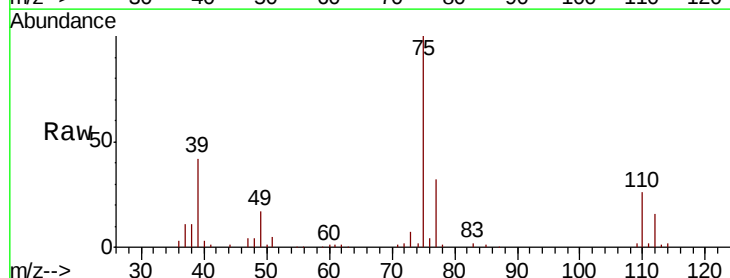
Acq: 28 Oct 2019 19:37

Tgt Ion: 75 Resp: 38405

Ion Ratio Lower Upper

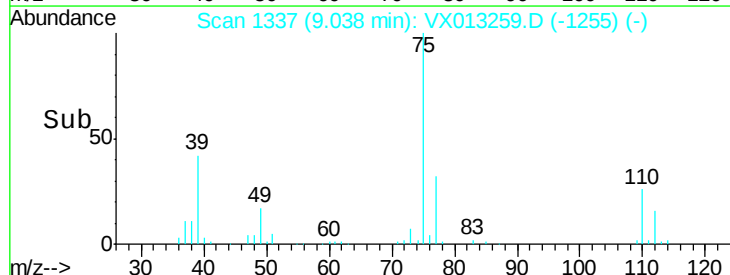
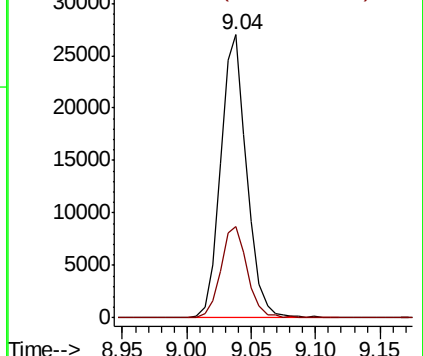
75 100

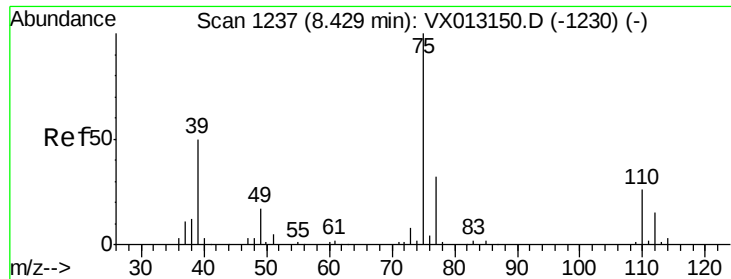
77 32.4 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





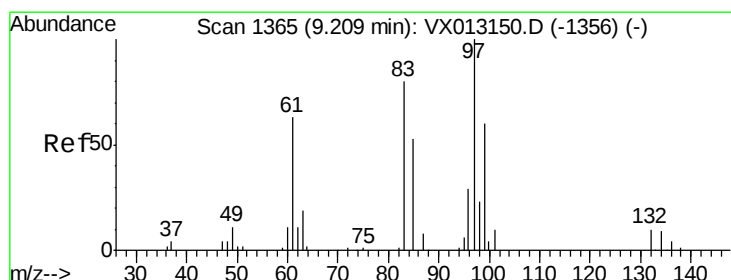
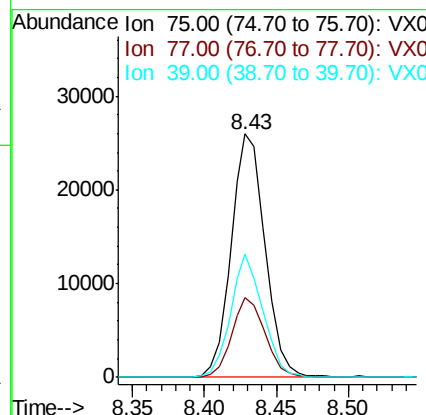
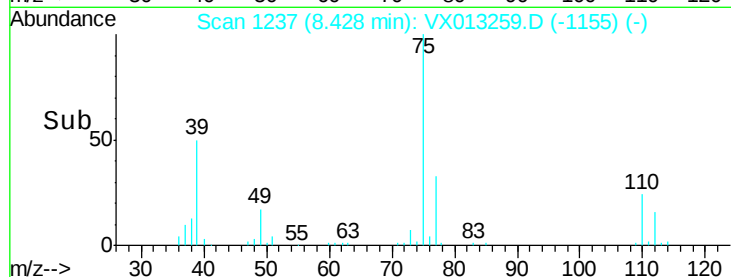
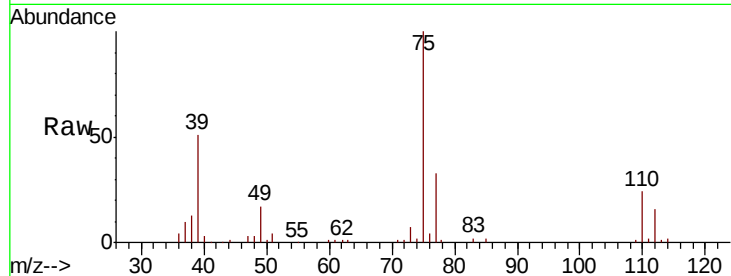
#49  
 cis-1,3-Dichloropropene  
 Concen: 18.496 ug/l  
 RT: 8.43 min Scan# 1237  
 Delta R.T. -0.00 min  
 Lab File: VX013259.D  
 Acq: 28 Oct 2019 19:37

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.7  | 25.8  | 38.8  |
| 39      | 50.6  | 39.7  | 59.5  |

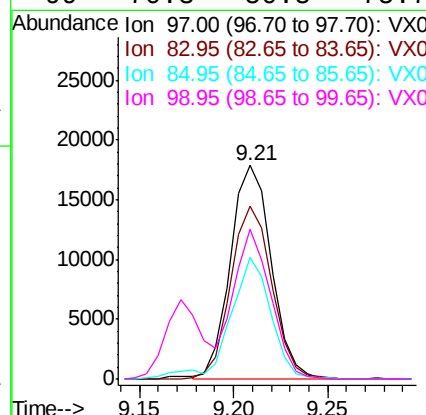
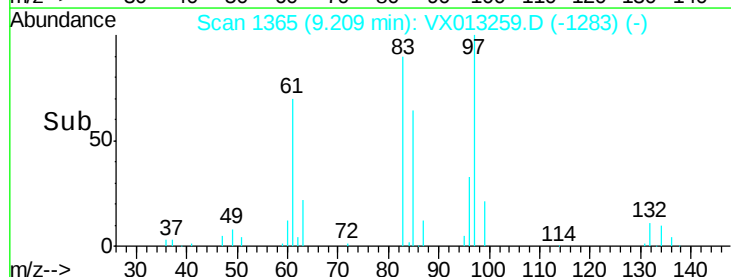
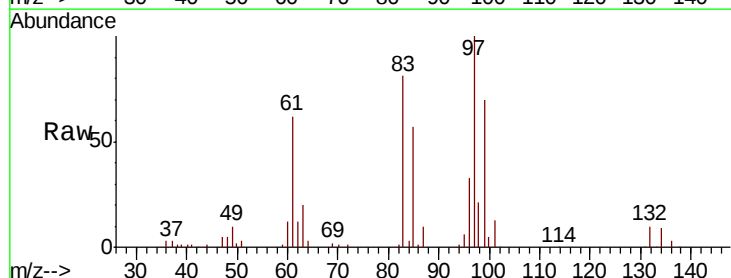
Manual Integrations  
 APPROVED

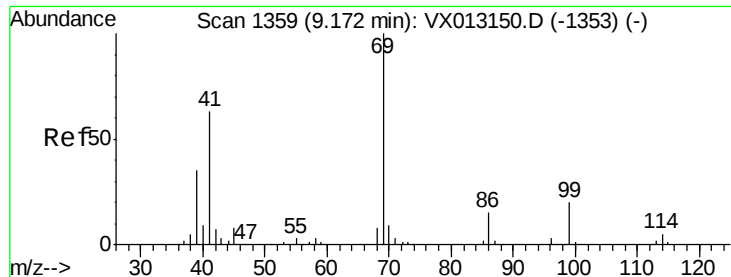
MMDadoda  
 10/30/2019 12:08:00 PM



#50  
 1,1,2-Trichloroethane  
 Concen: 19.027 ug/l  
 RT: 9.21 min Scan# 1365  
 Delta R.T. -0.00 min  
 Lab File: VX013259.D  
 Acq: 28 Oct 2019 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 80.9  | 64.2  | 96.4  |
| 85      | 57.0  | 42.7  | 64.1  |
| 99      | 70.3  | 50.5  | 75.7  |





#51

Ethyl methacrylate

Concen: 18.254 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA\_X

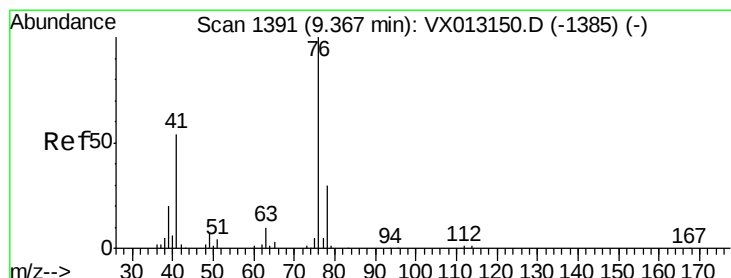
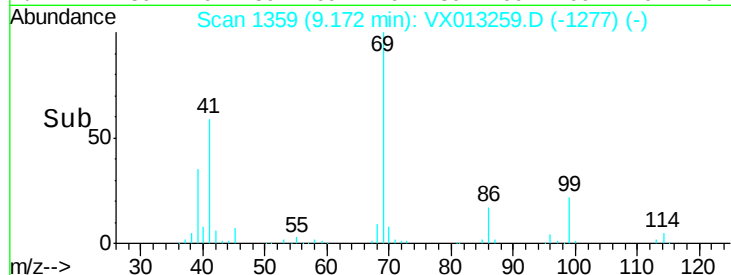
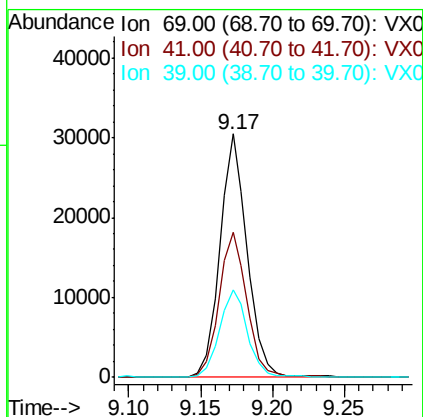
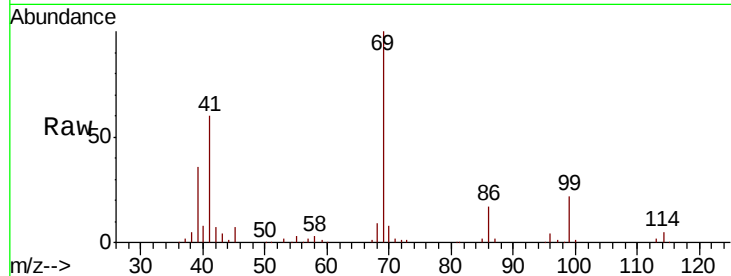
ClientSampleId :

VSTDCCC020EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 69    | Resp: | 40467 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 59.5  | 31.6  | 95.0  |
| 39       | 35.7  | 17.7  | 53.1  |

Manual Integrations  
APPROVED

MMDadoda  
10/30/2019 12:08:00 PM



#52

1,3-Dichloropropane

Concen: 19.135 ug/l

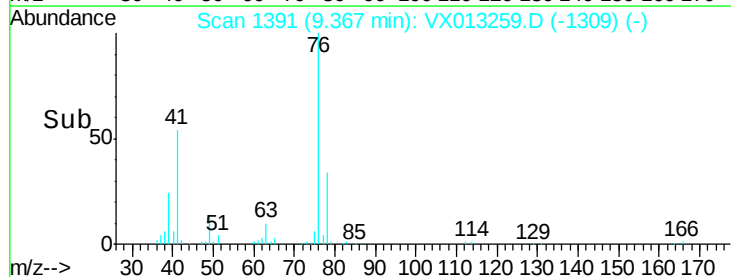
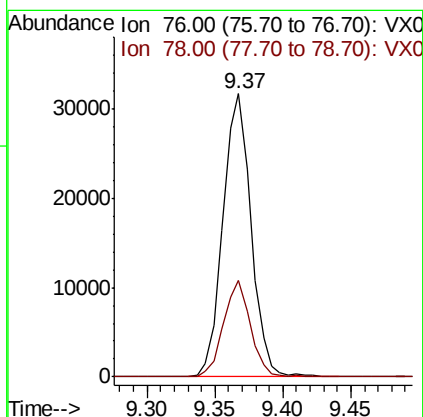
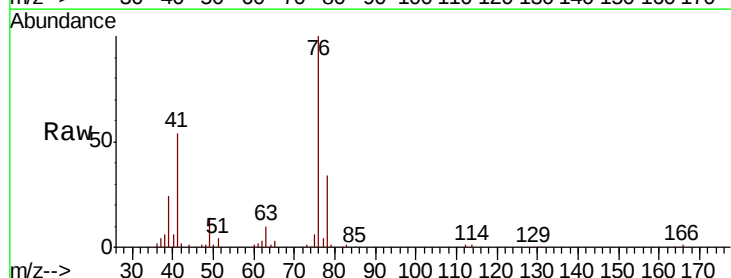
RT: 9.37 min Scan# 1391

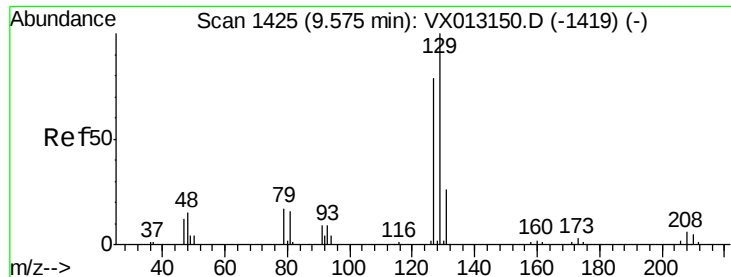
Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 76    | Resp: | 45561 |
| Ion      | Ratio | Lower | Upper |
| 76       | 100   |       |       |
| 78       | 32.4  | 0.0   | 64.6  |





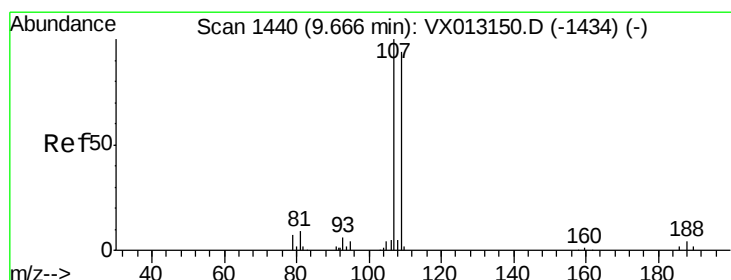
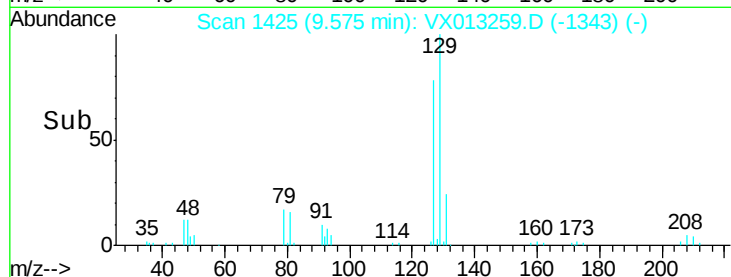
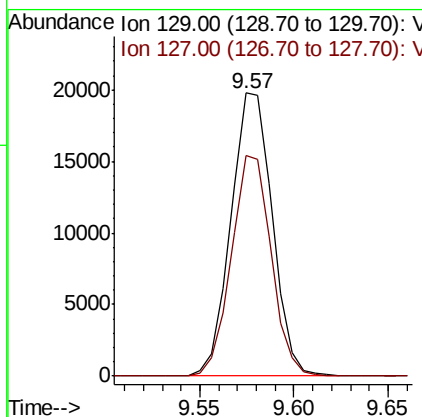
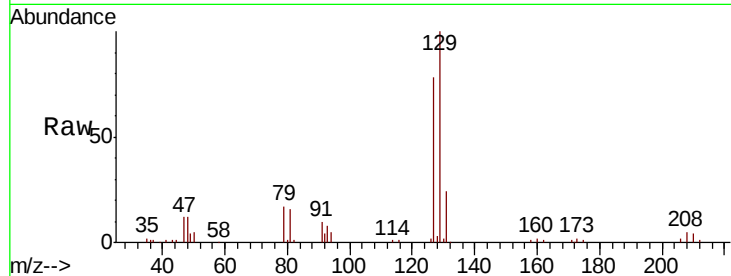
#53  
Dibromochloromethane  
Concen: 19.771 ug/l  
RT: 9.57 min Scan# 1425  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 129     | 100  |       | 30153 |       |       |
| 127     | 74.8 | 39.4  | 118.2 |       |       |

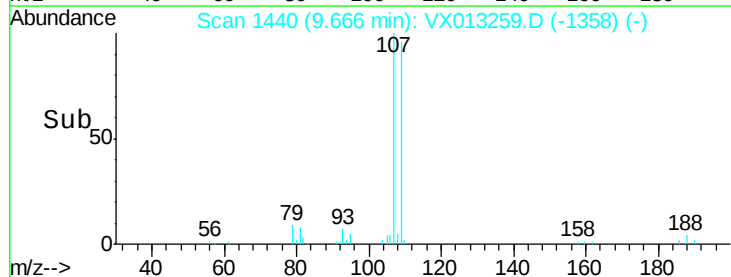
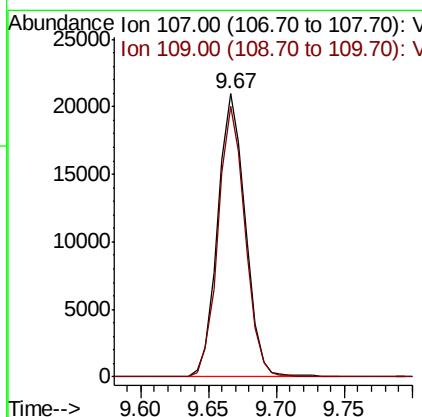
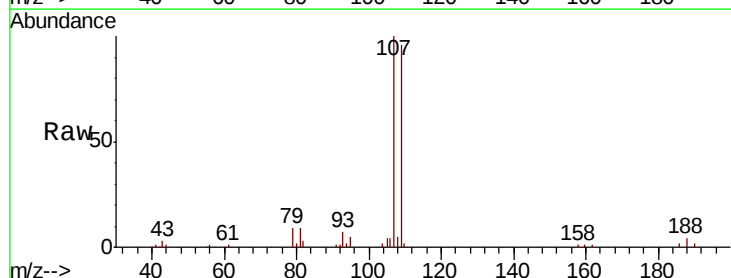
Manual Integrations  
APPROVED

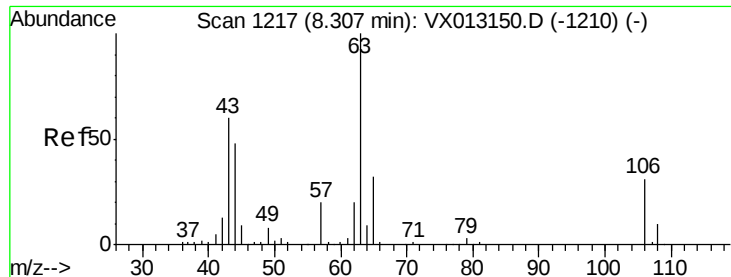
MMDadoda  
10/30/2019 12:08:00 PM



#54  
1,2-Dibromoethane  
Concen: 19.503 ug/l  
RT: 9.67 min Scan# 1440  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 107     | 100  |       | 29483 |       |       |
| 109     | 93.6 | 75.4  | 113.0 |       |       |





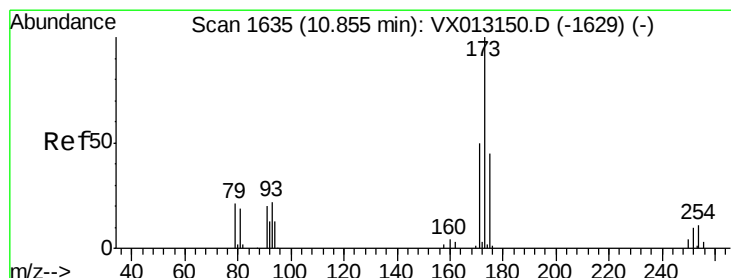
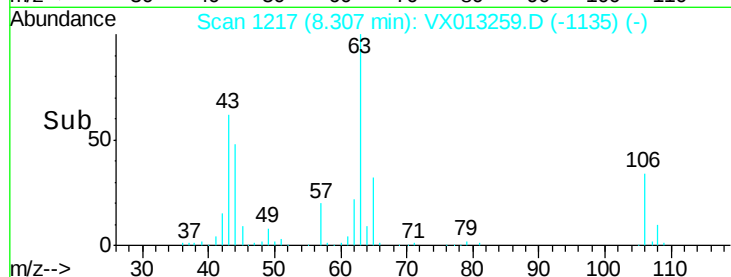
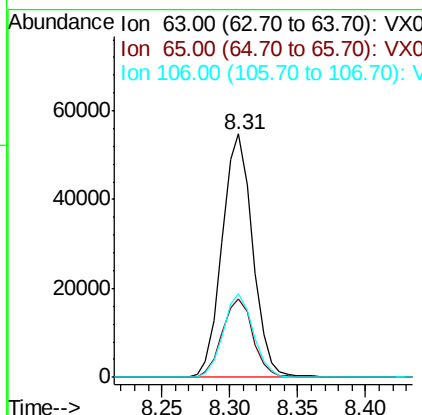
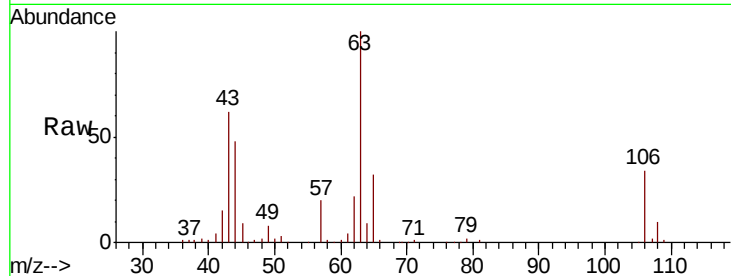
#55  
2-Chloroethyl vinyl ether  
Concen: 95.115 ug/l  
RT: 8.31 min Scan# 1217  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 32.5  | 25.5  | 38.3  |
| 106     | 33.6  | 24.8  | 37.2  |

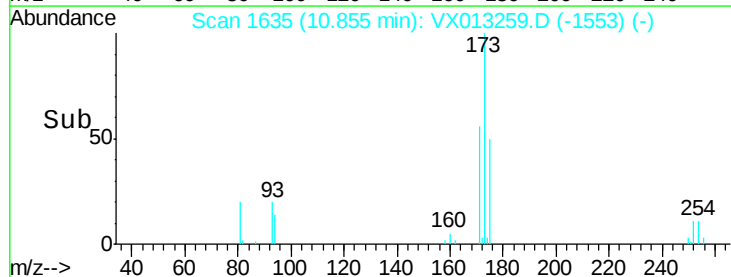
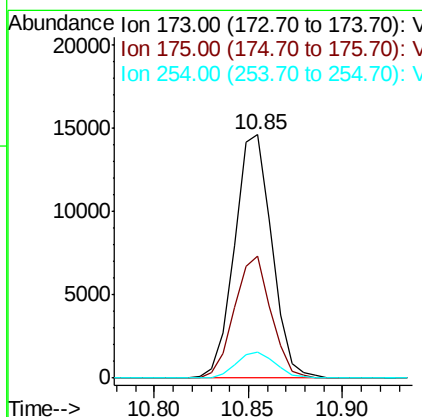
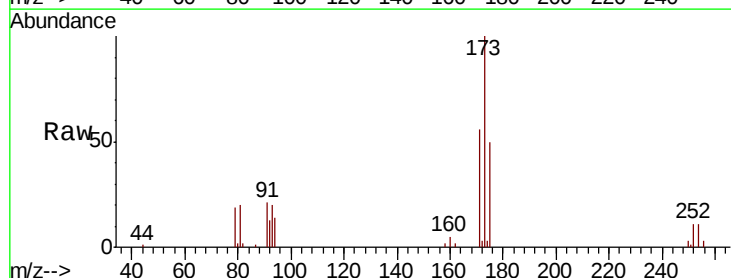
Manual Integrations  
APPROVED

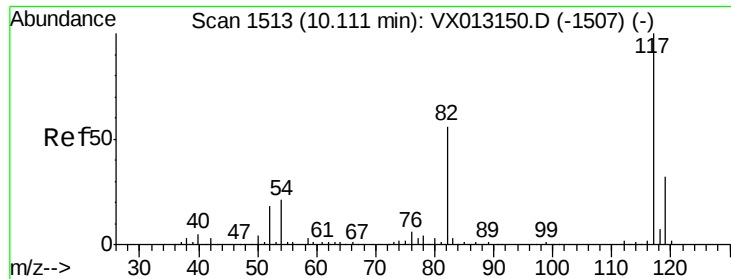
MMDadoda  
10/30/2019 12:08:00 PM



#56  
Bromoform  
Concen: 18.529 ug/l  
RT: 10.85 min Scan# 1635  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.2  | 39.0  | 58.4  |
| 254     | 11.0  | 8.1   | 12.1  |





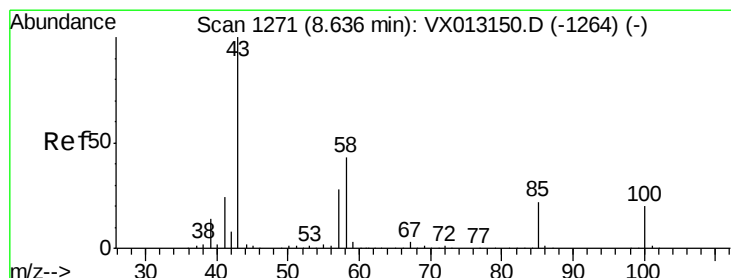
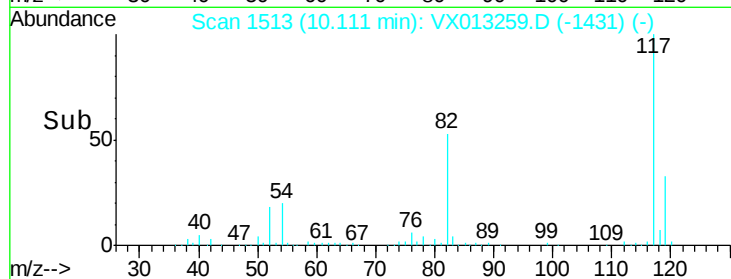
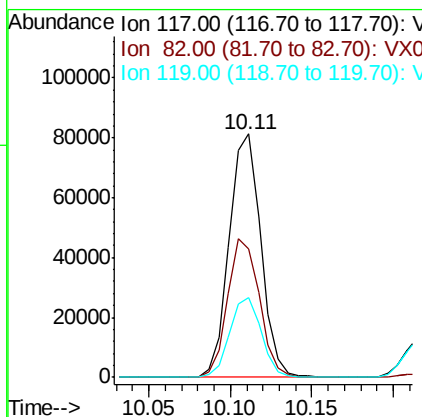
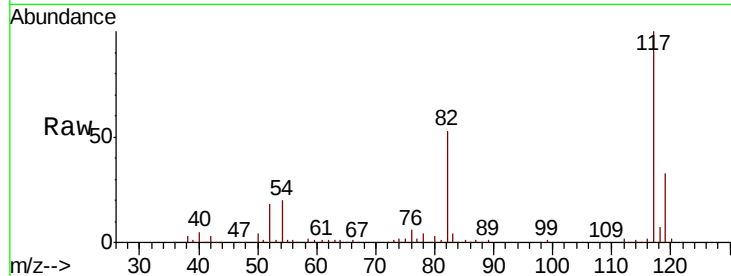
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 57.5  | 46.0  | 69.0  |
| 119     | 32.9  | 25.4  | 38.0  |

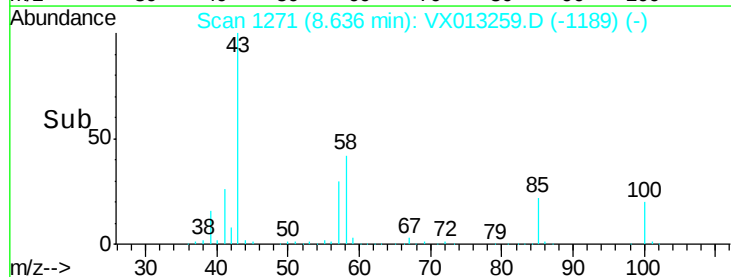
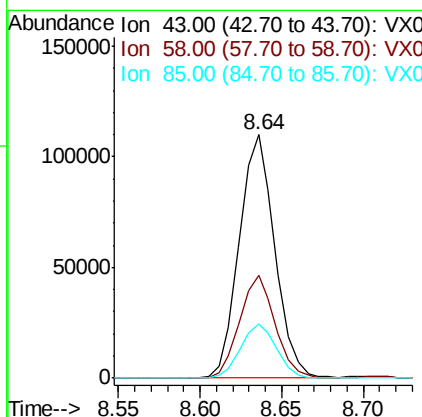
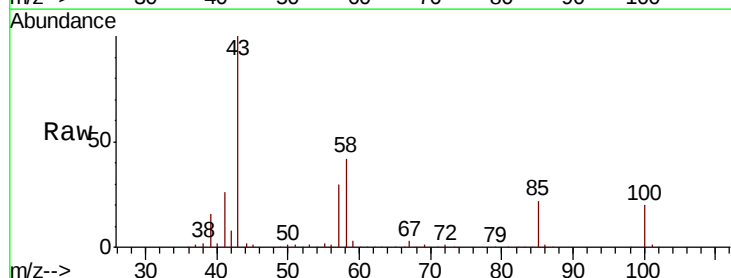
Manual Integrations  
APPROVED

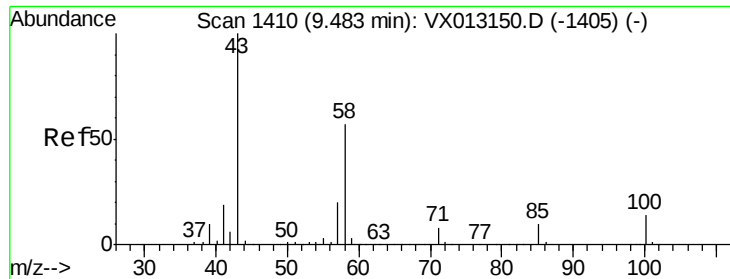
MMDadoda  
10/30/2019 12:08:00 PM



#58  
4-Methyl-2-Pentanone  
Concen: 89.964 ug/l  
RT: 8.64 min Scan# 1271  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 42.0  | 33.8  | 50.8  |
| 85      | 22.6  | 16.8  | 25.2  |





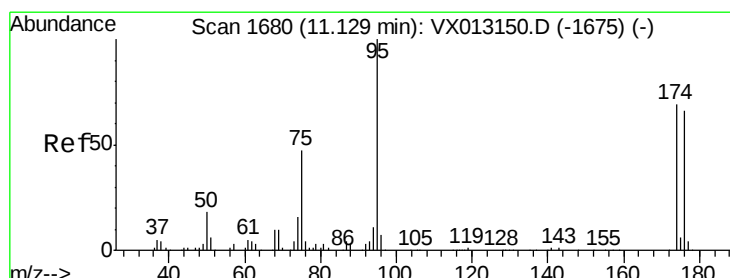
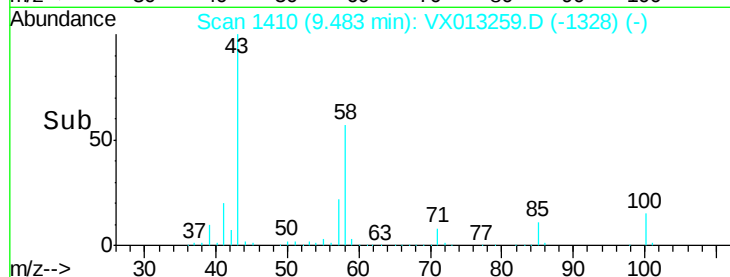
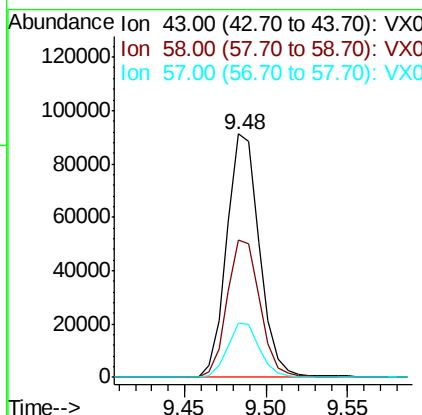
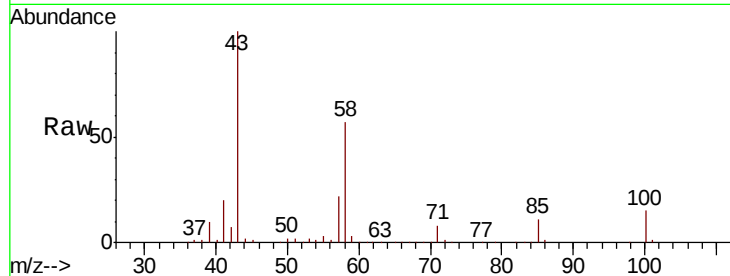
#59  
2-Hexanone  
Concen: 87.840 ug/l  
RT: 9.48 min Scan# 1410  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 56.5  | 46.6  | 69.8  |
| 57      | 21.9  | 16.9  | 25.3  |

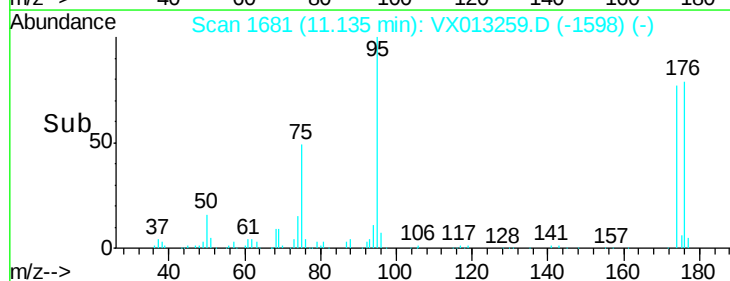
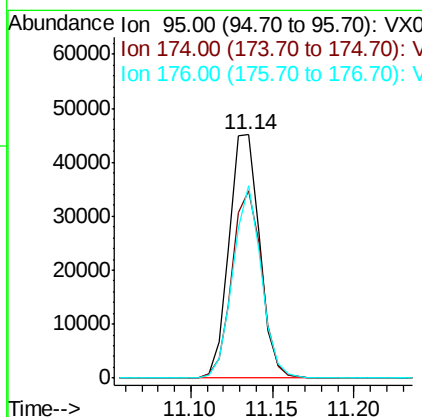
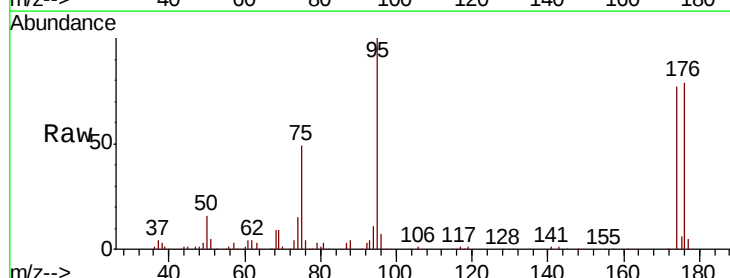
Manual Integrations  
APPROVED

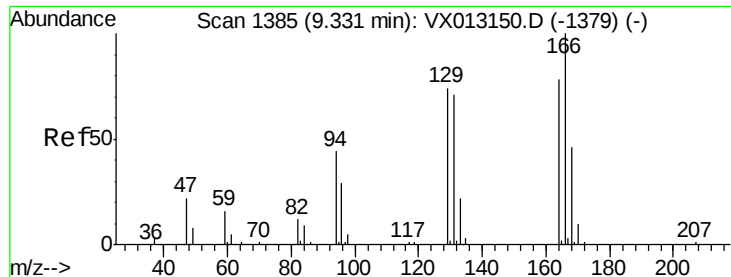
MMDadoda  
10/30/2019 12:08:00 PM



#60  
4-Bromofluorobenzene  
Concen: 30.667 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. 0.01 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 75.7  | 60.0  | 90.0  |
| 176     | 73.2  | 58.5  | 87.7  |





#61

Tetrachloroethene

Concen: 20.272 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 29591

Ion Ratio Lower Upper

164 100

166 122.7 102.6 153.8

129 95.8 75.7 113.5

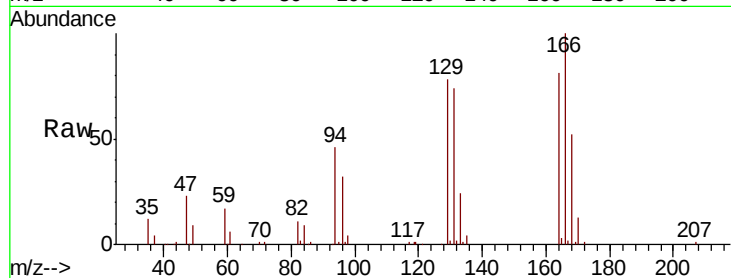
131 90.5 72.4 108.6

Manual Integrations

APPROVED

MMDadoda

10/30/2019 12:08:00 PM

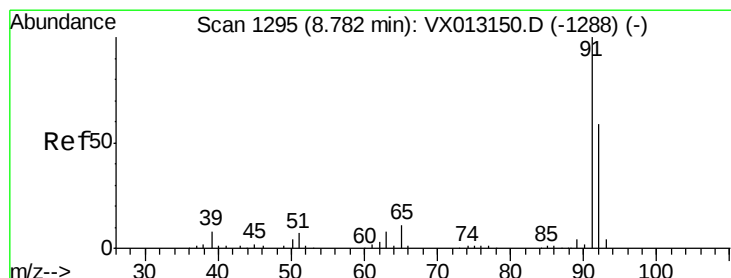
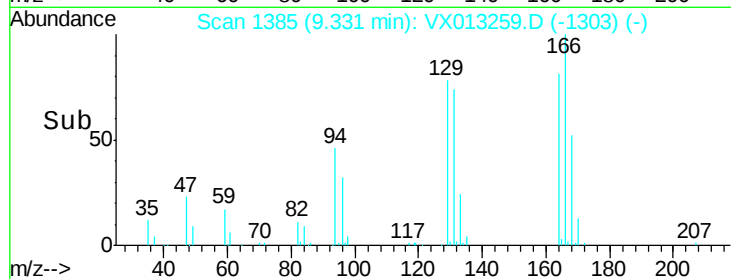
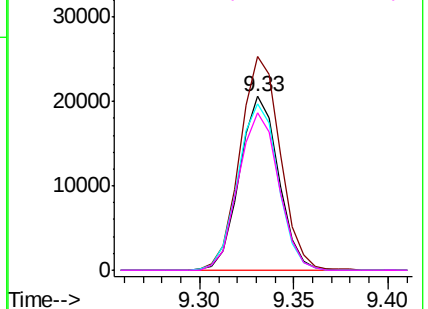


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.760 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013259.D

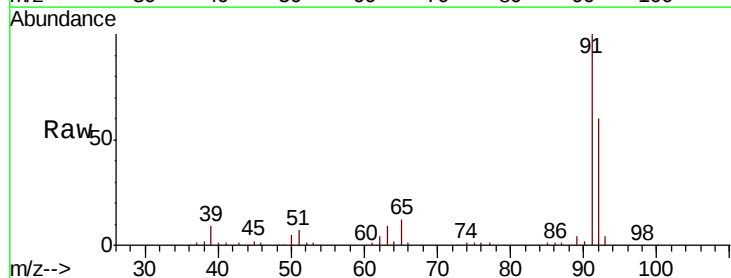
Acq: 28 Oct 2019 19:37

Tgt Ion: 91 Resp: 111506

Ion Ratio Lower Upper

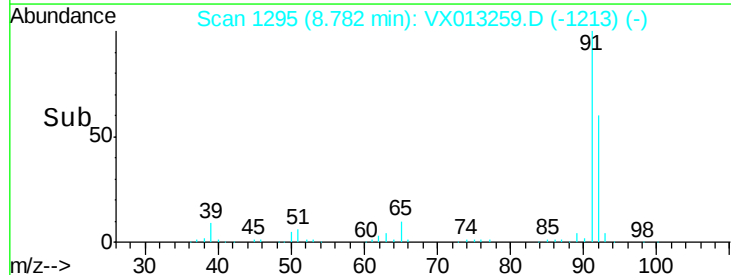
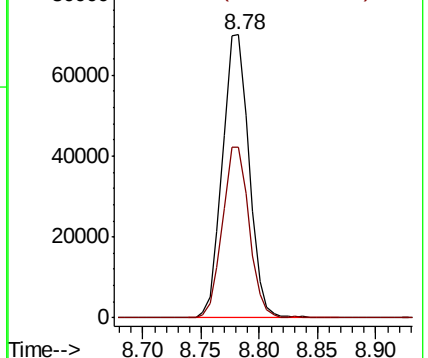
91 100

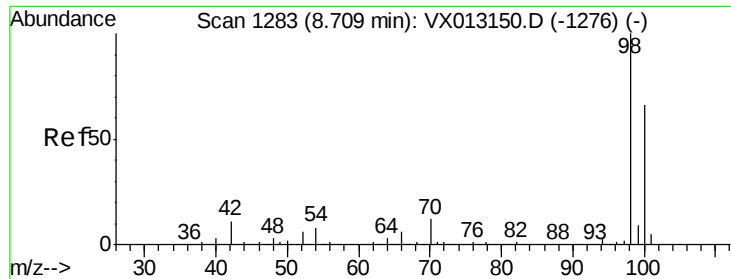
92 60.1 47.7 71.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





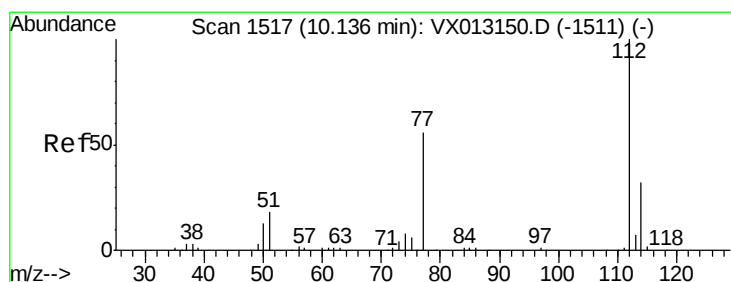
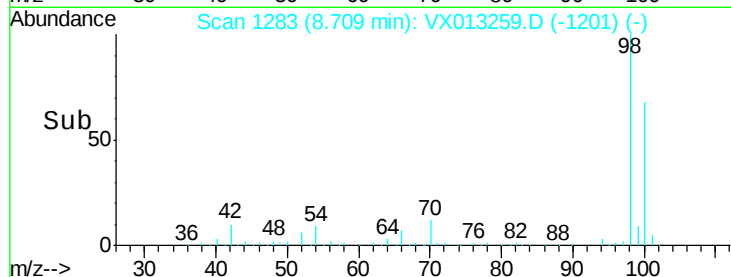
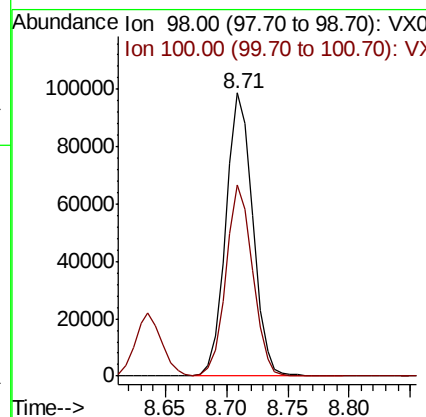
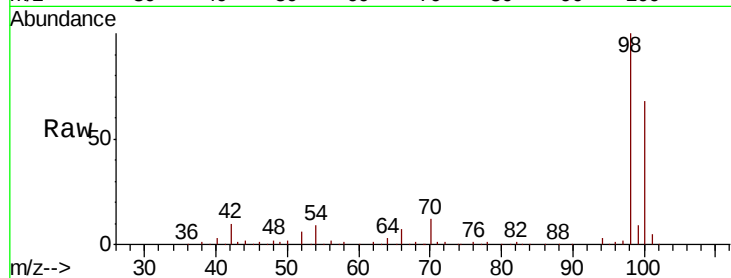
#63  
Toluene-d8  
Concen: 30.860 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tot Ion: 98 Resp: 151131  
Ion Ratio Lower Upper  
98 100  
100 66.9 53.1 79.7

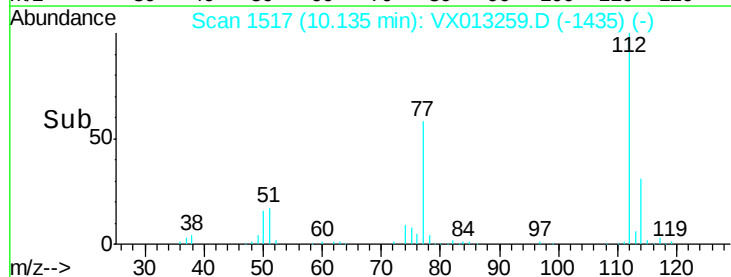
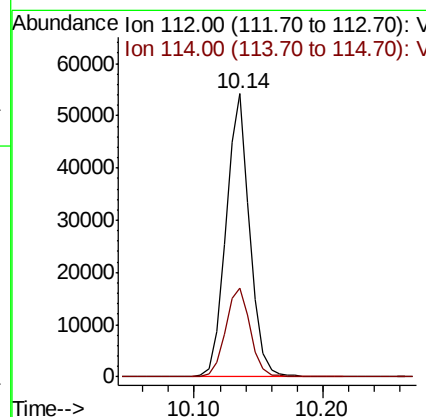
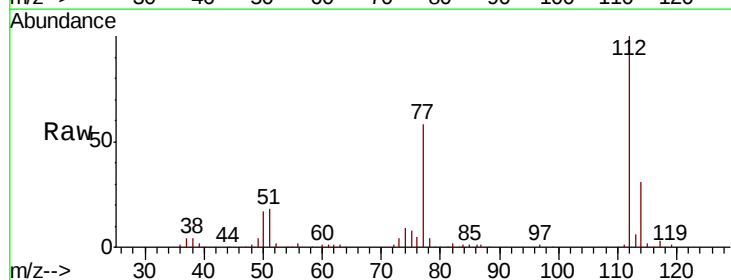
Manual Integrations  
APPROVED

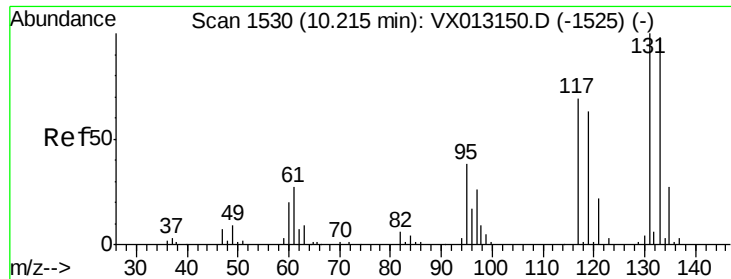
MMDadoda  
10/30/2019 12:08:00 PM



#64  
Chlorobenzene  
Concen: 18.341 ug/l  
RT: 10.14 min Scan# 1517  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

Tgt Ion: 112 Resp: 69899  
Ion Ratio Lower Upper  
112 100  
114 31.3 25.5 38.3





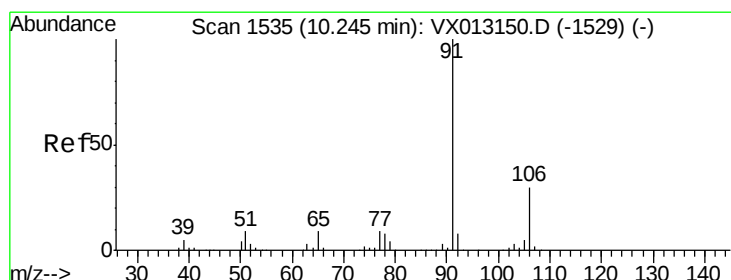
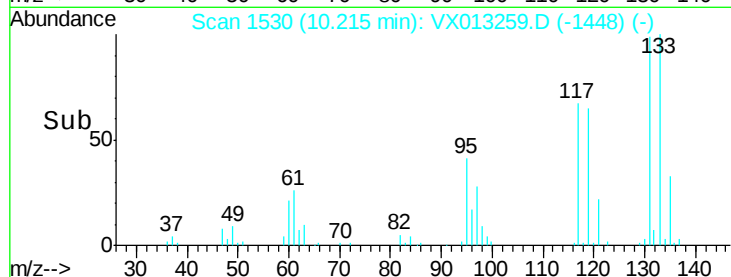
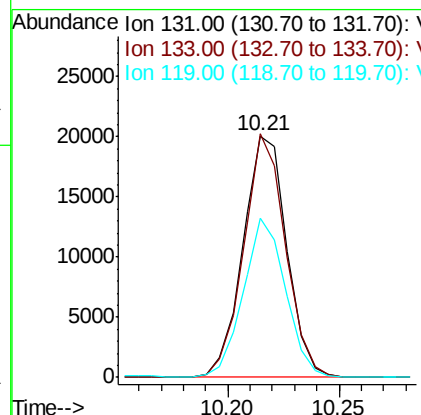
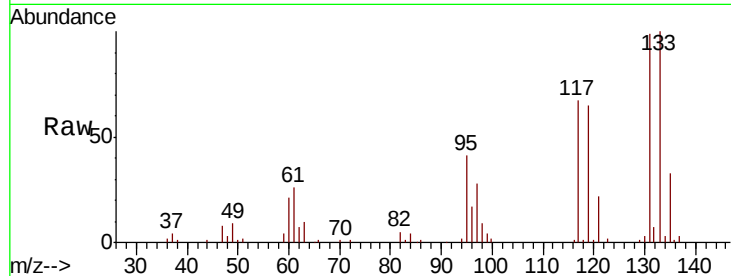
#65  
 1,1,1,2-Tetrachloroethane  
 Concen: 19.278 ug/l  
 RT: 10.21 min Scan# 1530  
 Delta R.T. -0.00 min  
 Lab File: VX013259.D  
 Acq: 28 Oct 2019 19:37

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 96.2  | 0.0   | 191.0 |
| 119     | 63.4  | 0.0   | 125.6 |

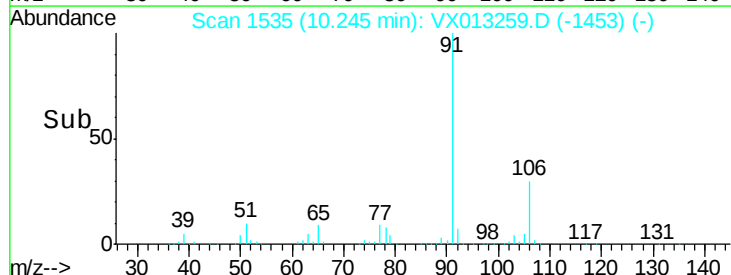
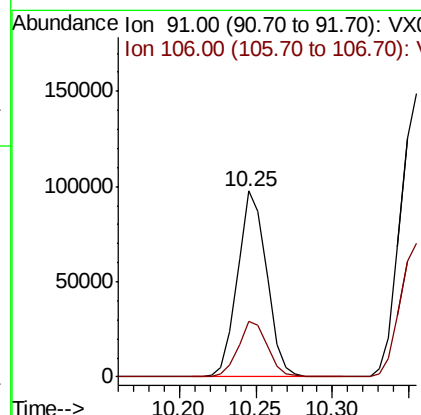
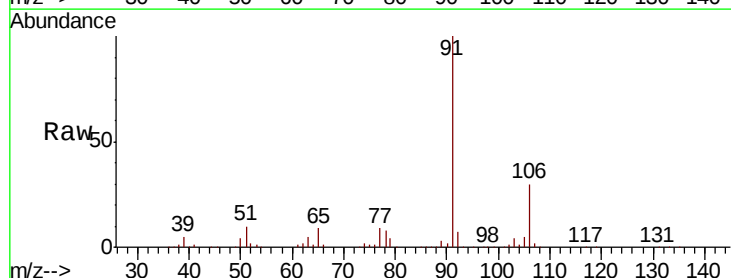
Manual Integrations  
 APPROVED

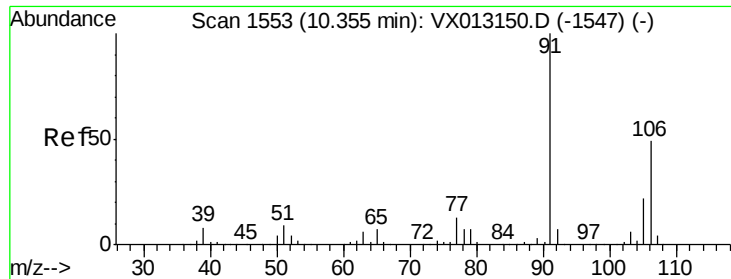
MMDadoda  
 10/30/2019 12:08:00 PM



#66  
 Ethyl Benzene  
 Concen: 18.898 ug/l  
 RT: 10.25 min Scan# 1535  
 Delta R.T. -0.00 min  
 Lab File: VX013259.D  
 Acq: 28 Oct 2019 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 30.1  | 23.8  | 35.6  |





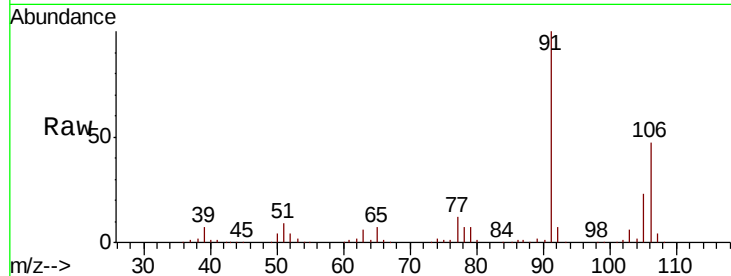
#67  
m/p-Xylenes  
Concen: 36.525 ug/l  
RT: 10.35 min Scan# 1553  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

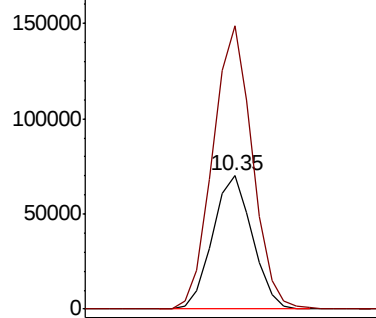
Tot Ion:106 Resp: 94966  
Ion Ratio Lower Upper  
106 100  
91 211.5 163.7 245.5

Manual Integrations  
APPROVED

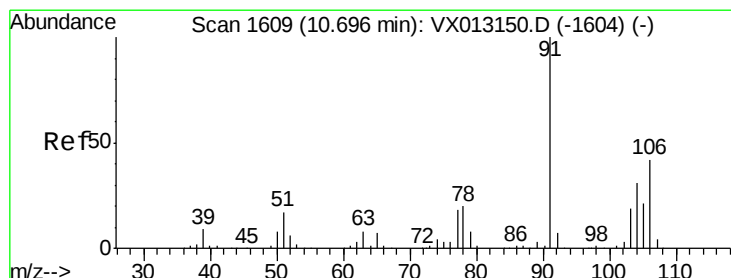
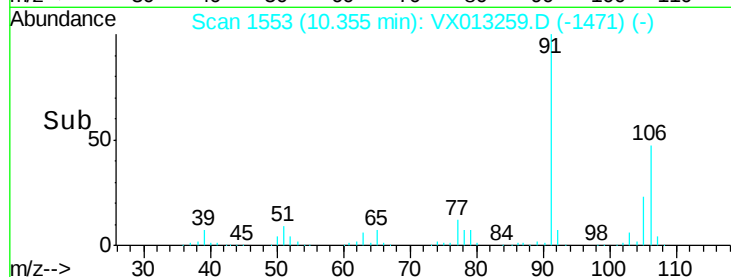
MMDadoda  
10/30/2019 12:08:00 PM



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

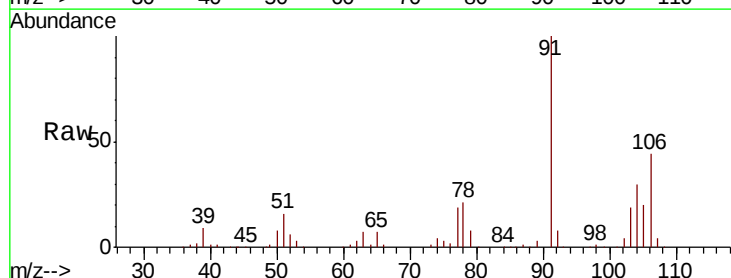


Time-->

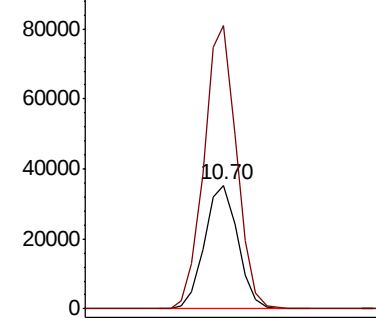


#68  
o-Xylene  
Concen: 18.772 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

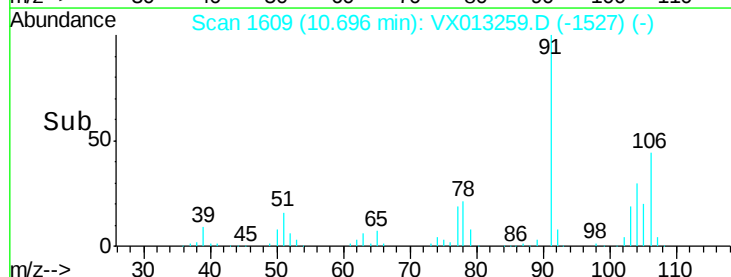
Tgt Ion:106 Resp: 46592  
Ion Ratio Lower Upper  
106 100  
91 224.2 113.6 340.8

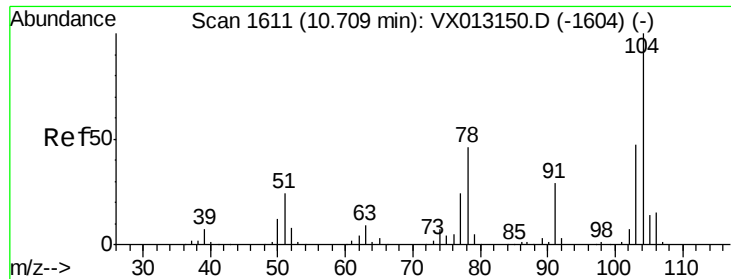


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0



Time-->





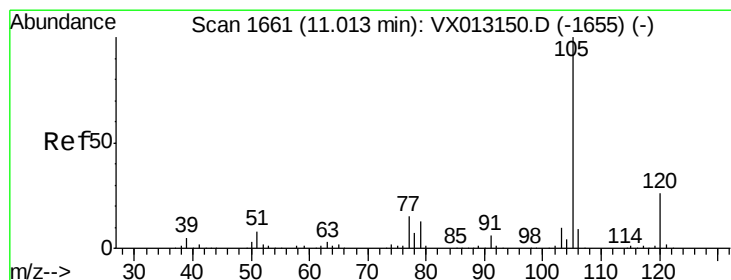
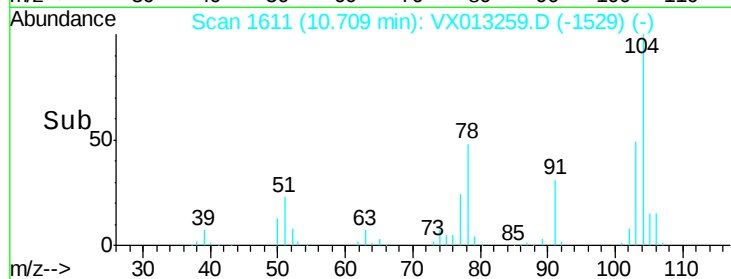
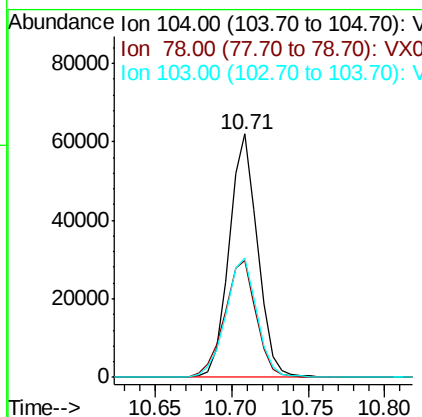
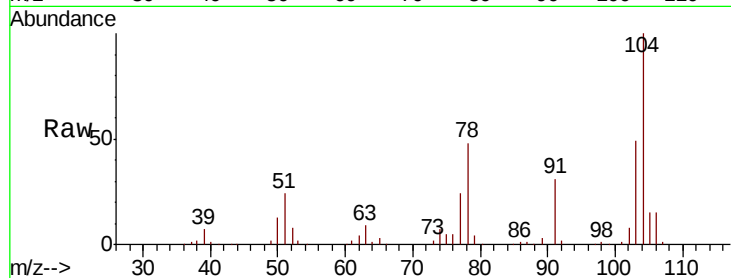
#69  
Stvrene  
Concen: 18.653 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 53.8  | 42.3  | 63.5  |
| 103     | 54.0  | 42.2  | 63.2  |

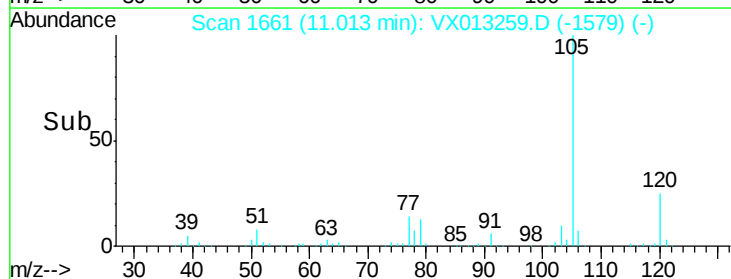
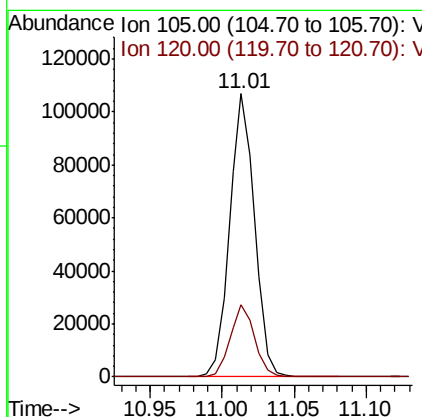
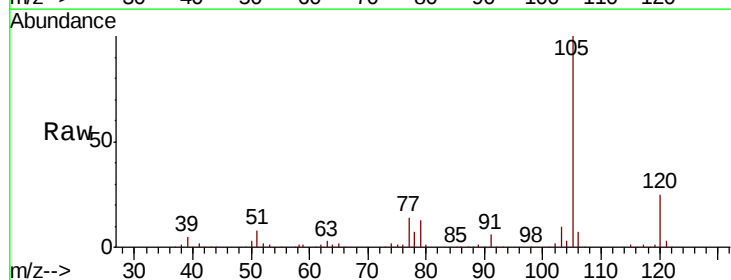
Manual Integrations  
APPROVED

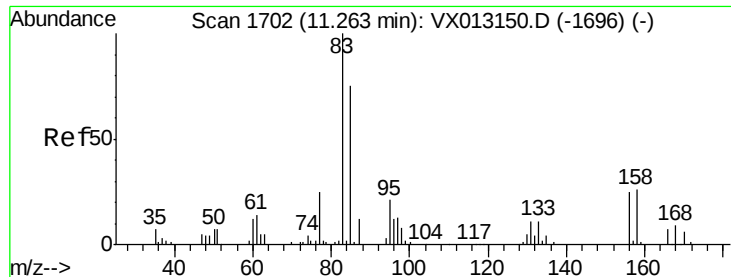
MMDadoda  
10/30/2019 12:08:00 PM



#70  
Isopropylbenzene  
Concen: 19.050 ug/l  
RT: 11.01 min Scan# 1661  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 25.2  | 18.1  | 33.7  |





#71

1,1,2,2-Tetrachloroethane

Concen: 17.924 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA\_X

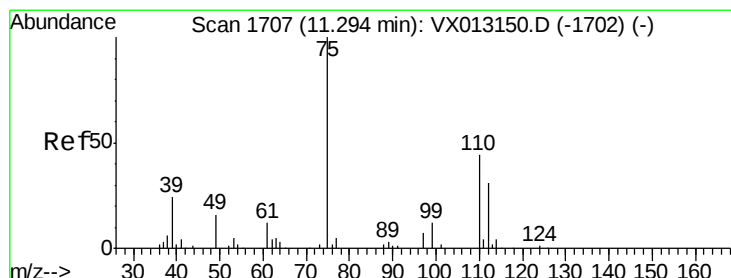
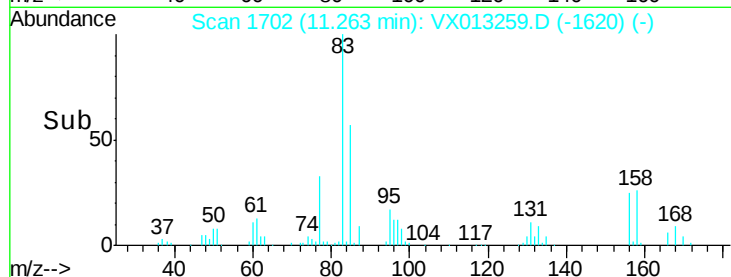
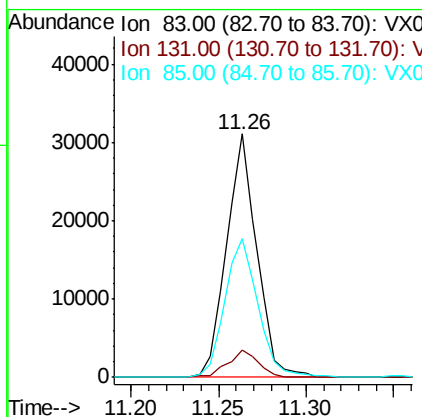
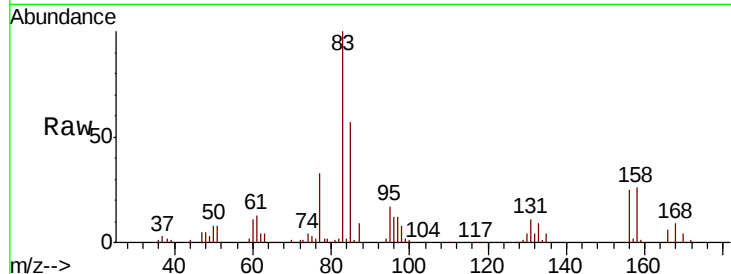
ClientSampleId :

VSTDCCC020EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 37407 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 11.3  | 5.5   | 16.4  |
| 85        | 62.4  | 32.9  | 98.6  |

Manual Integrations  
APPROVED

MMDadoda  
10/30/2019 12:08:00 PM



#72

1,2,3-Trichloropropane

Concen: 20.716 ug/l m

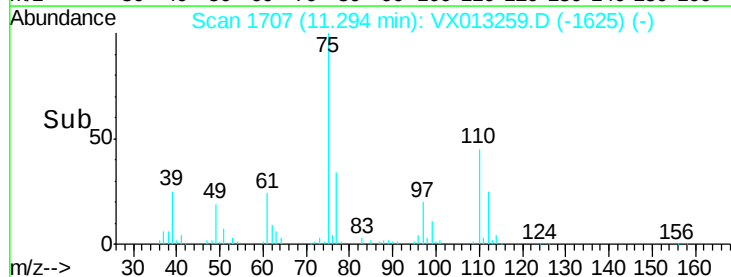
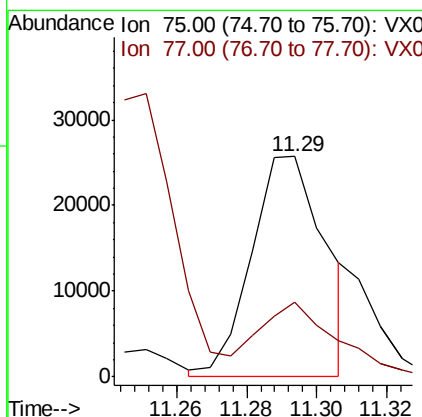
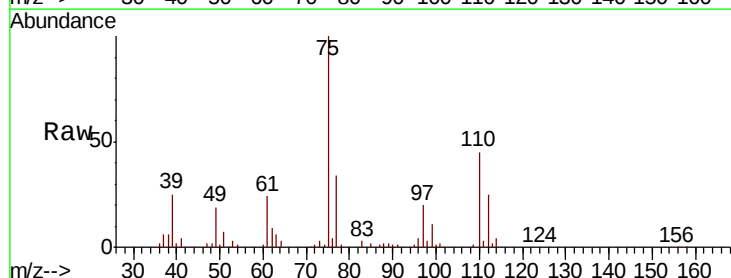
RT: 11.29 min Scan# 1707

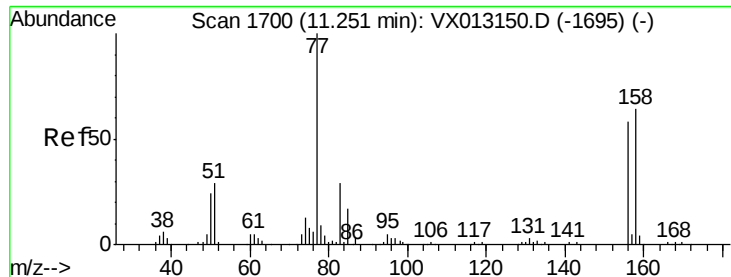
Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 37550 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 35.9  | 0.0   | 74.0  |





#73

Bromobenzene

Concen: 18.966 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:156 Resp: 30999

Ion Ratio Lower Upper

156 100

77 149.7 0.0 328.0

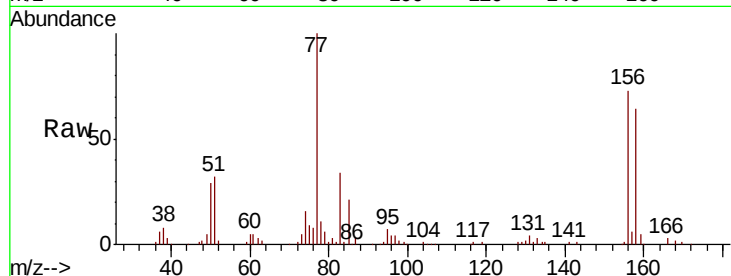
158 88.3 0.0 196.2

Manual Integrations

APPROVED

MMDadoda

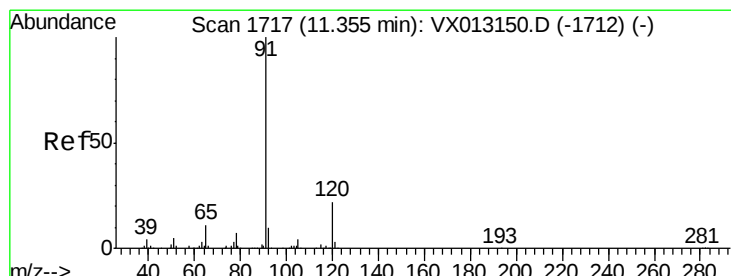
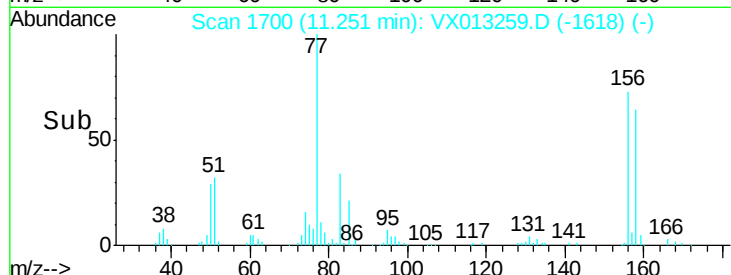
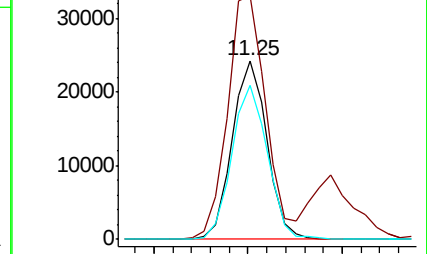
10/30/2019 12:08:00 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 17.857 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013259.D

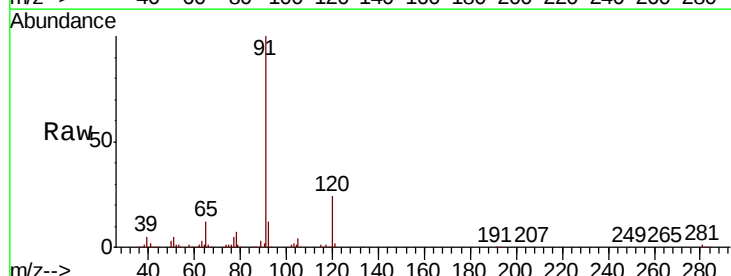
Acq: 28 Oct 2019 19:37

Tgt Ion: 91 Resp: 133484

Ion Ratio Lower Upper

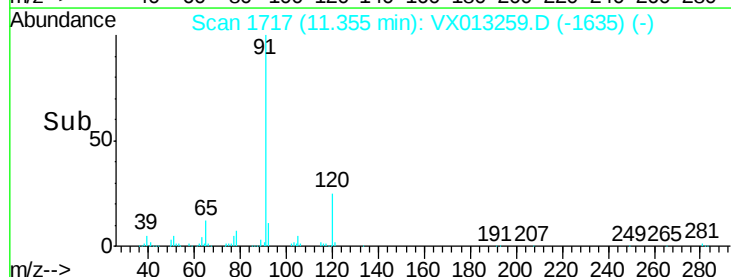
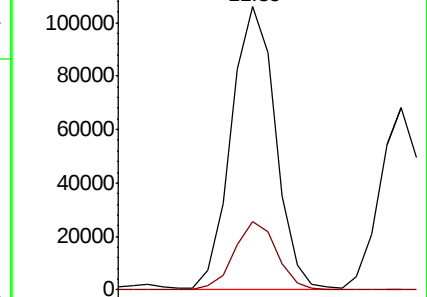
91 100

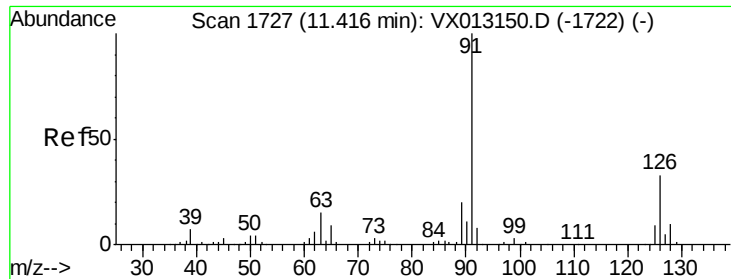
120 23.2 0.0 45.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 17.701 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 82799

Ion Ratio Lower Upper

91 100

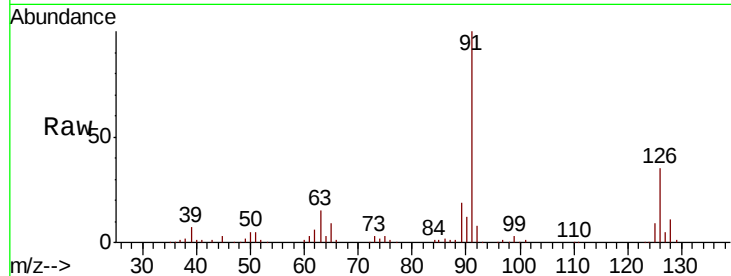
126 34.6 0.0 63.8

Manual Integrations

APPROVED

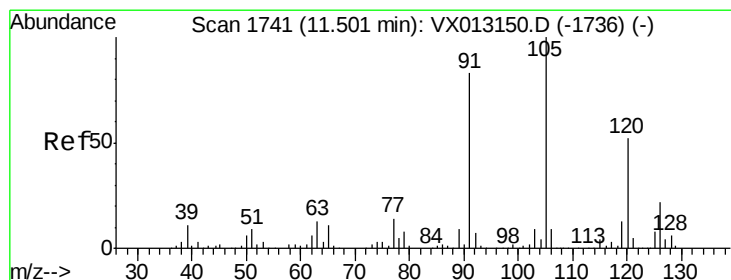
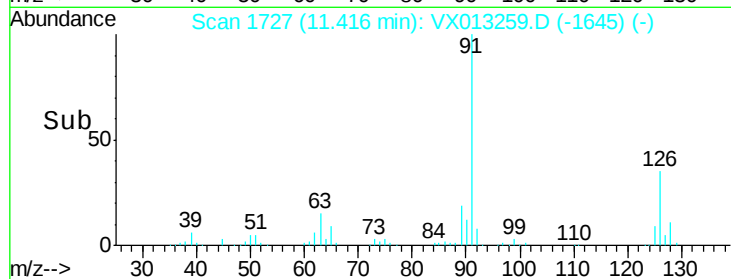
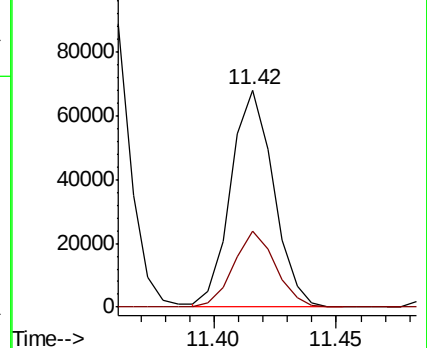
MMDadoda

10/30/2019 12:08:00 PM



Abundance Ion 91.00 (90.70 to 91.70): VX013150.D (-1722) (-)

Ion 126.00 (125.70 to 126.70): VX013150.D (-1722) (-)



#76

1,3,5-Trimethylbenzene

Concen: 18.459 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013259.D

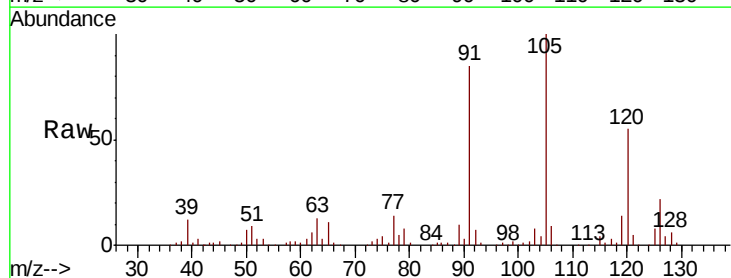
Acq: 28 Oct 2019 19:37

Tgt Ion: 105 Resp: 105533

Ion Ratio Lower Upper

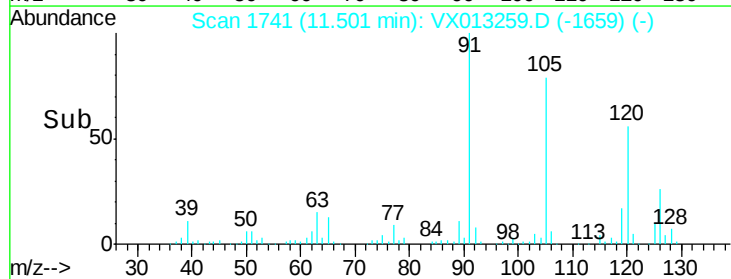
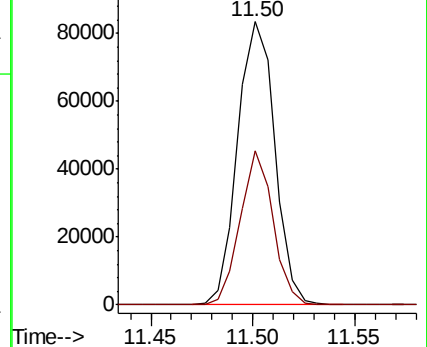
105 100

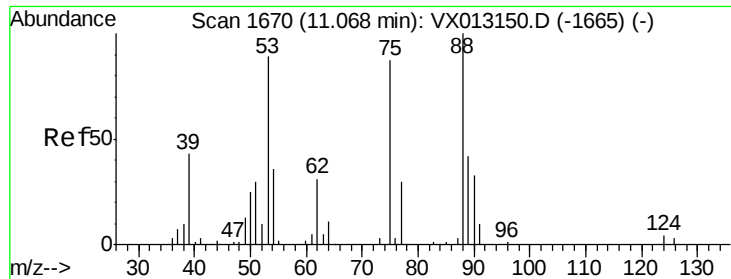
120 48.3 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VX013150.D (-1736) (-)

Ion 120.00 (119.70 to 120.70): VX013150.D (-1736) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 16.173 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

Instrument :

MSVOA\_X

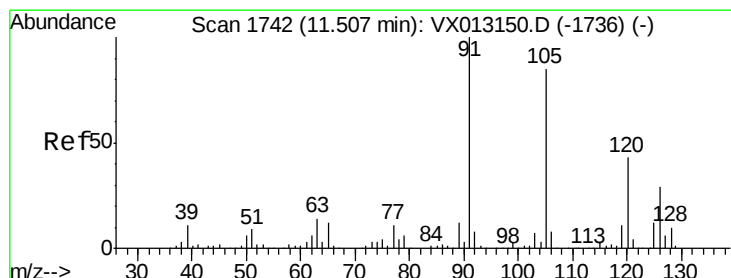
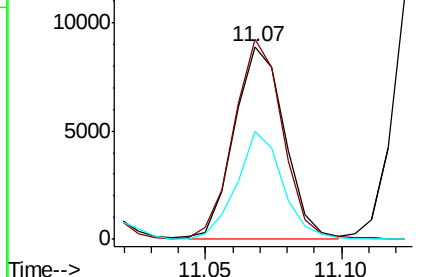
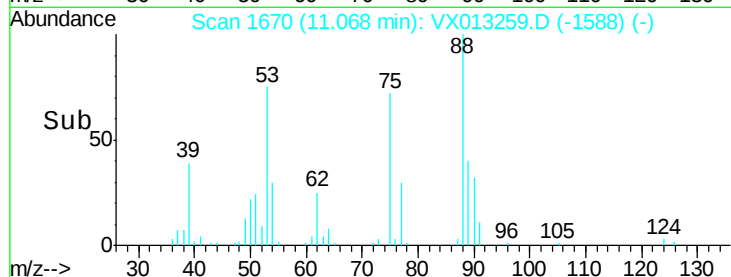
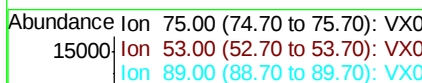
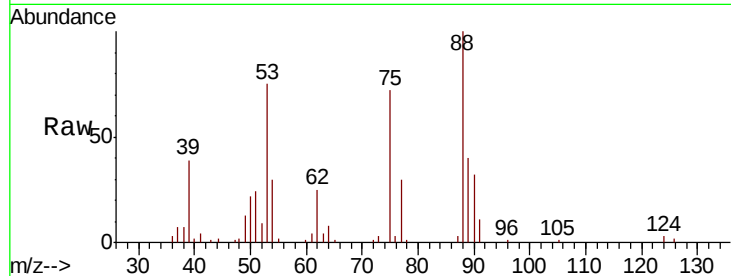
ClientSampleId :

VSTDCCC020EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 11382 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 104.7 | 51.1  | 153.4 |
| 89       | 56.5  | 24.1  | 72.4  |

Manual Integrations  
APPROVED

MMDadoda  
10/30/2019 12:08:00 PM



#78

4-Chlorotoluene

Concen: 18.714 ug/l

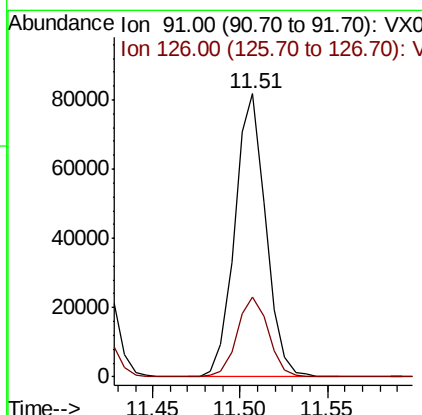
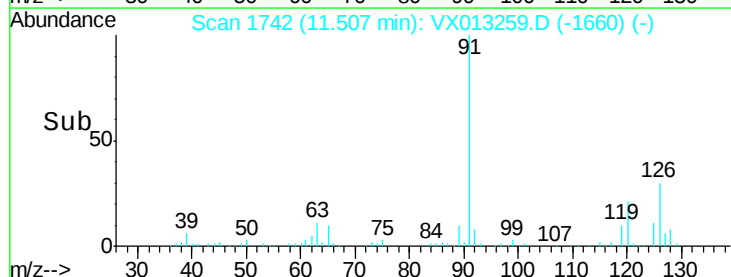
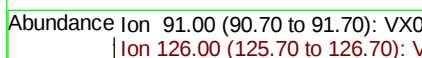
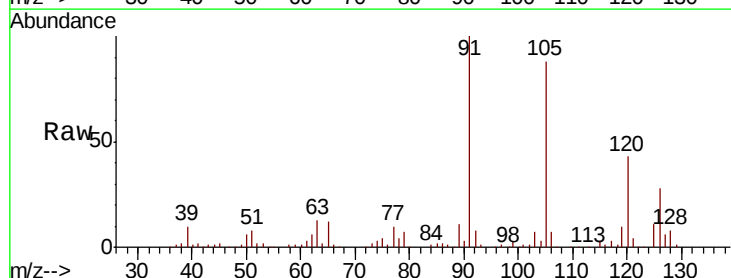
RT: 11.51 min Scan# 1742

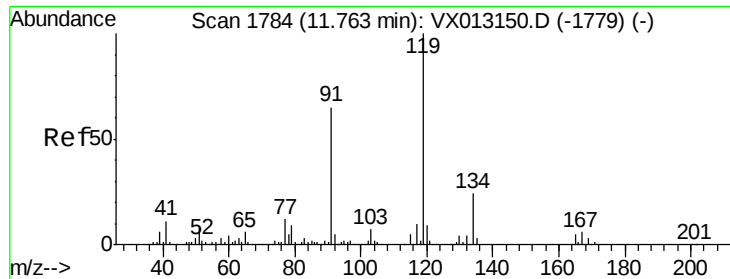
Delta R.T. -0.00 min

Lab File: VX013259.D

Acq: 28 Oct 2019 19:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 100022 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 28.9  | 0.0   | 58.4   |





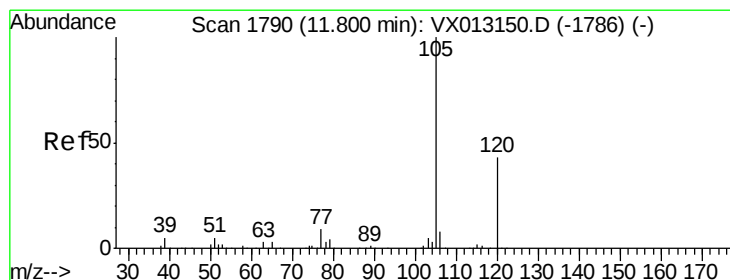
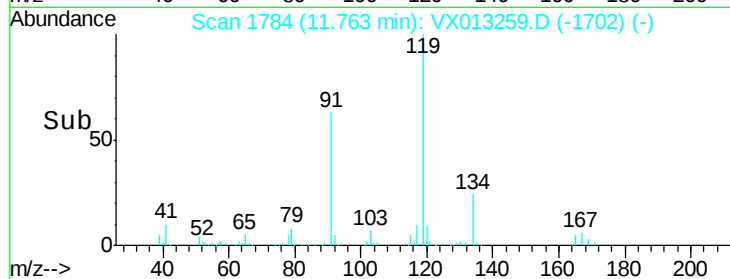
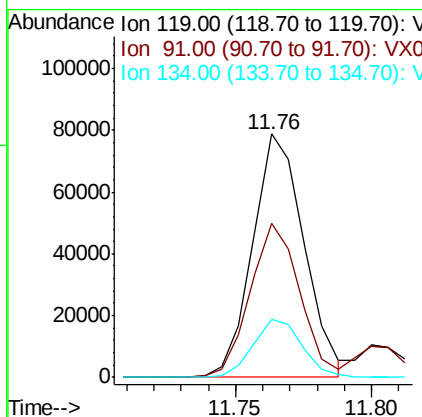
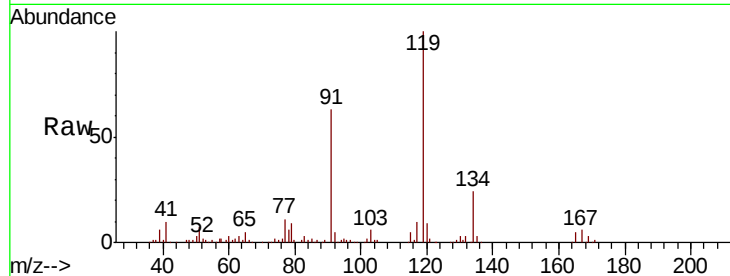
#79  
tert-butylbenzene  
Concen: 18.734 ug/l  
RT: 11.76 min Scan# 1784  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 119     | 100   |      |       |       |
| 91      | 61.2  | 0.0  | 128.4 |       |
| 134     | 22.8  | 0.0  | 49.0  |       |

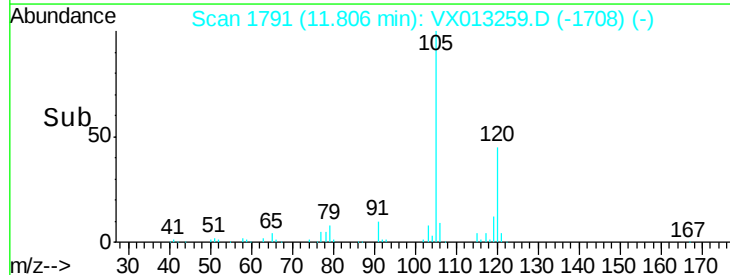
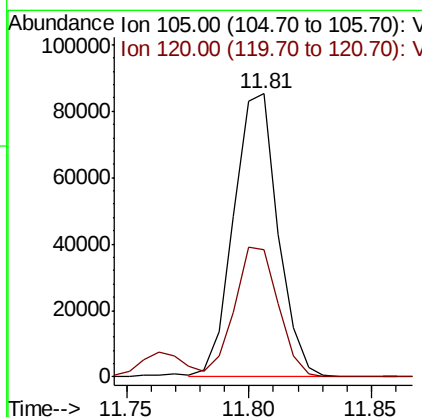
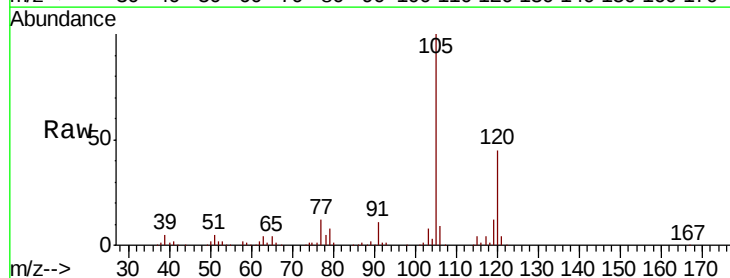
Manual Integrations  
APPROVED

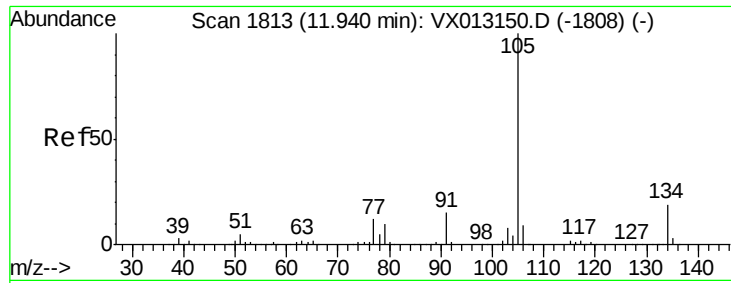
MMDadoda  
10/30/2019 12:08:00 PM



#80  
1,2,4-Trimethylbenzene  
Concen: 18.808 ug/l  
RT: 11.81 min Scan# 1791  
Delta R.T. 0.01 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 120     | 45.2  | 0.0  | 87.4  |       |





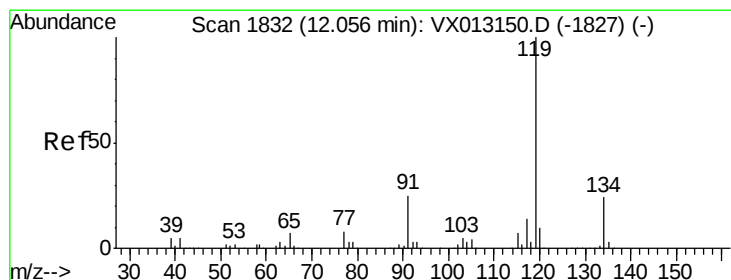
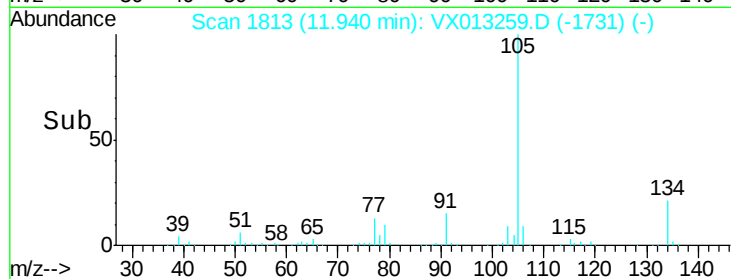
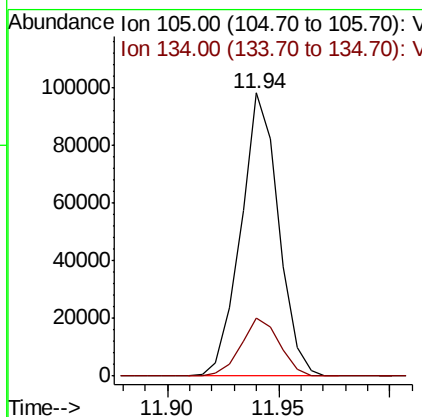
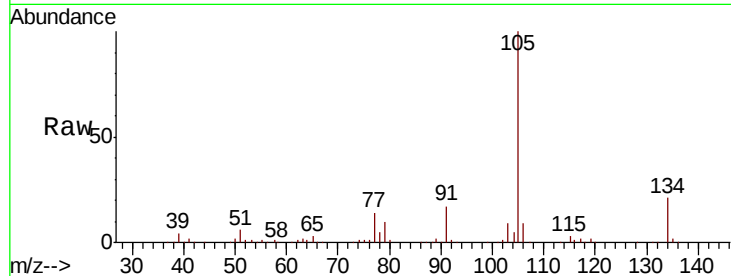
#81  
 sec-Butylbenzene  
 Concen: 17.652 ug/l  
 RT: 11.94 min Scan# 1813  
 Delta R.T. -0.00 min  
 Lab File: VX013259.D  
 Acq: 28 Oct 2019 19:37

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

Tot Ion:105 Resp: 115766  
 Ion Ratio Lower Upper  
 105 100  
 134 20.7 0.0 39.2

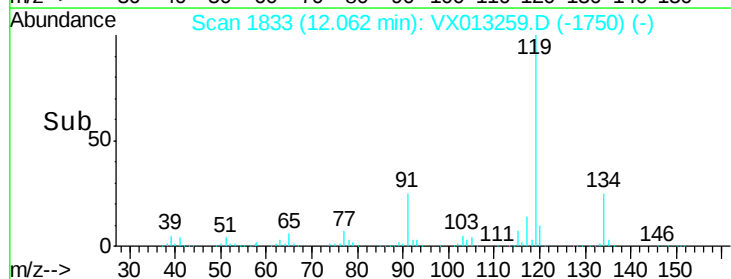
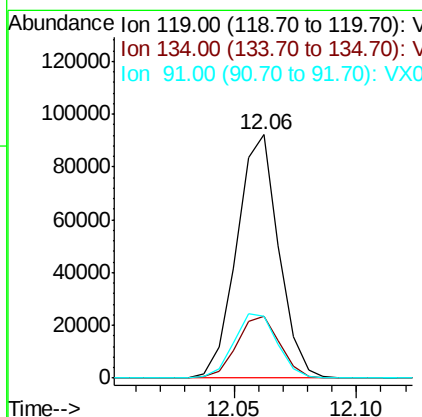
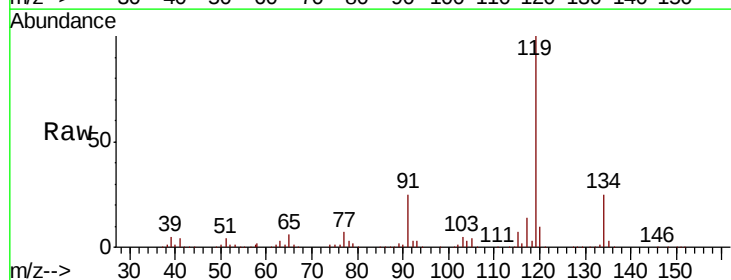
Manual Integrations  
 APPROVED

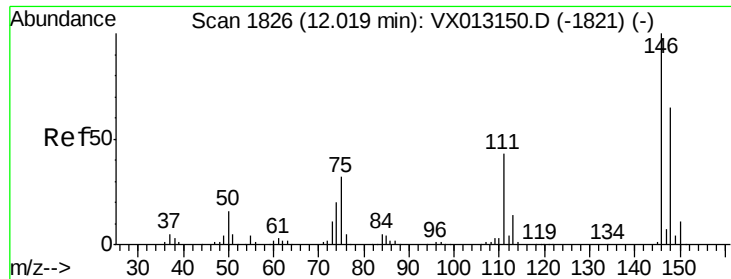
MMDadoda  
 10/30/2019 12:08:00 PM



#82  
 p-Isopropyltoluene  
 Concen: 18.178 ug/l  
 RT: 12.06 min Scan# 1833  
 Delta R.T. 0.01 min  
 Lab File: VX013259.D  
 Acq: 28 Oct 2019 19:37

Tgt Ion:119 Resp: 109003  
 Ion Ratio Lower Upper  
 119 100  
 134 26.2 0.0 51.6  
 91 27.6 0.0 50.0





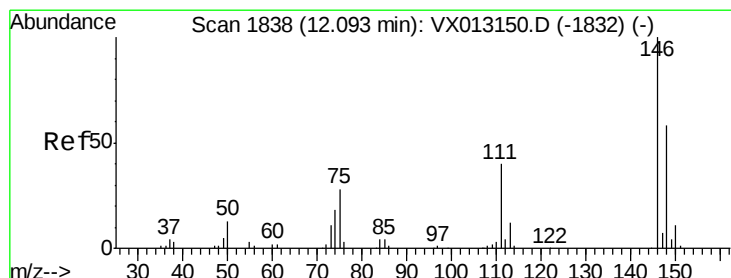
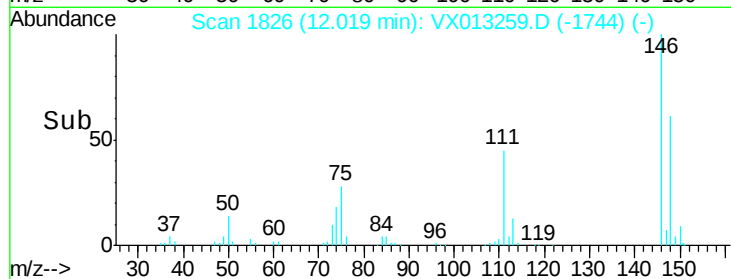
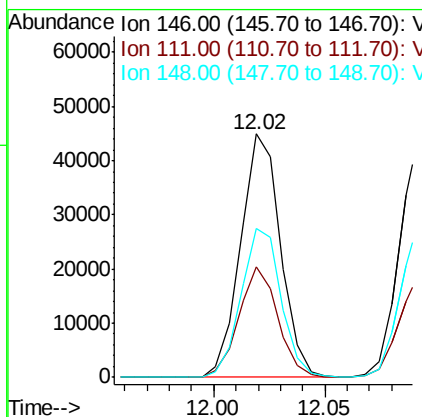
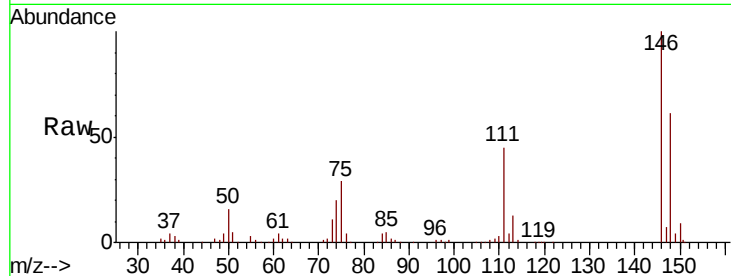
#83  
 1,3-Dichlorobenzene  
 Concen: 18.851 ug/l  
 RT: 12.02 min Scan# 1826  
 Delta R.T. -0.00 min  
 Lab File: VX013259.D  
 Acq: 28 Oct 2019 19:37

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 44.4  | 21.8  | 65.4  |
| 148     | 61.8  | 31.2  | 93.6  |

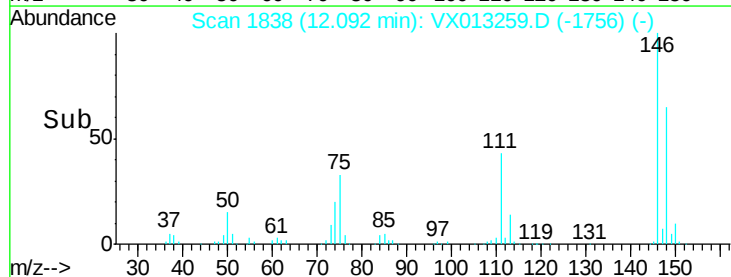
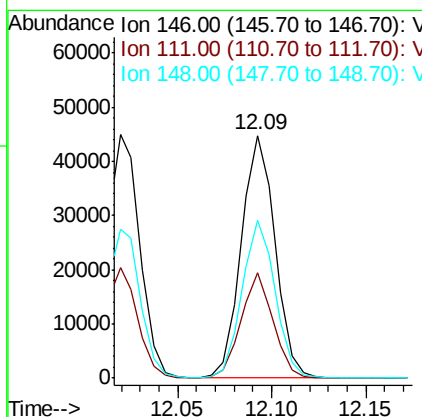
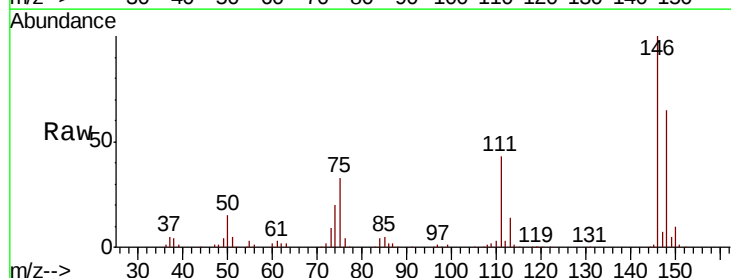
Manual Integrations  
 APPROVED

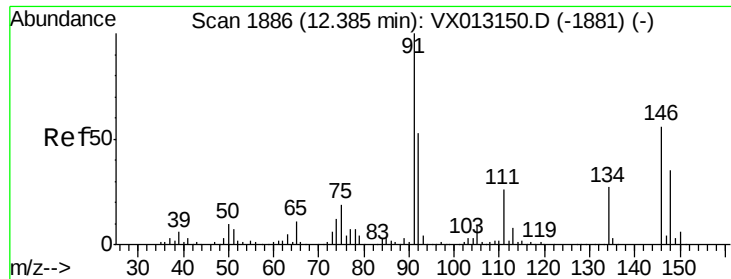
MMDadoda  
 10/30/2019 12:08:00 PM



#84  
 1,4-Dichlorobenzene  
 Concen: 18.831 ug/l  
 RT: 12.09 min Scan# 1838  
 Delta R.T. -0.00 min  
 Lab File: VX013259.D  
 Acq: 28 Oct 2019 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.2  | 20.3  | 60.9  |
| 148     | 63.8  | 31.4  | 94.2  |





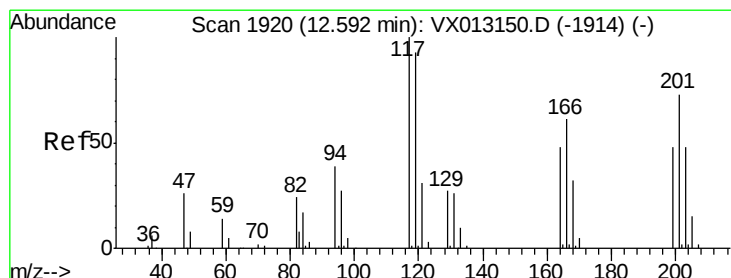
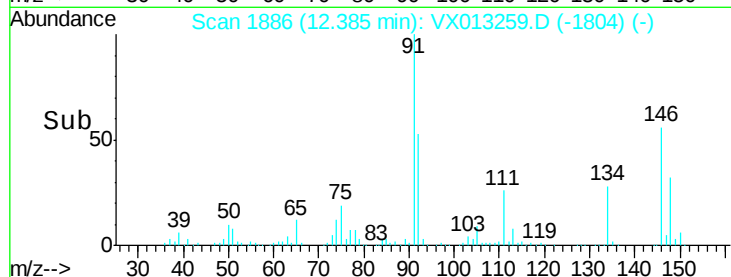
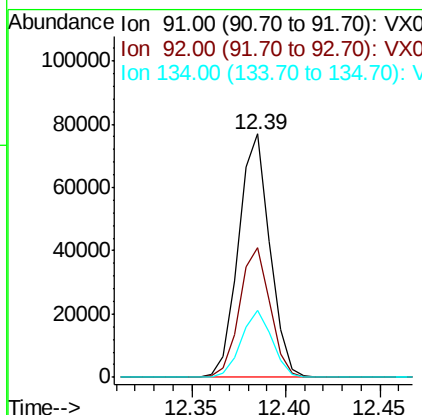
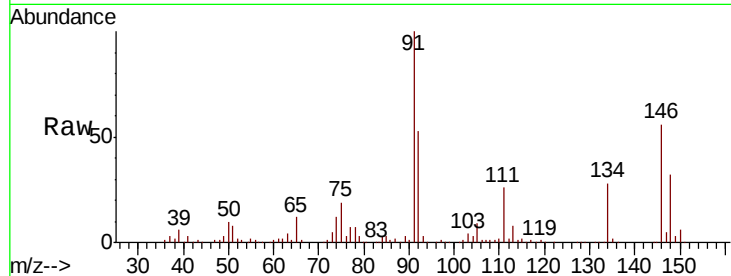
#85  
n-Butylbenzene  
Concen: 17.520 ug/l  
RT: 12.39 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 91      | 100  |       |       |       |       |
| 92      | 51.8 | 0.0   | 106.8 |       |       |
| 134     | 26.9 | 0.0   | 52.4  |       |       |

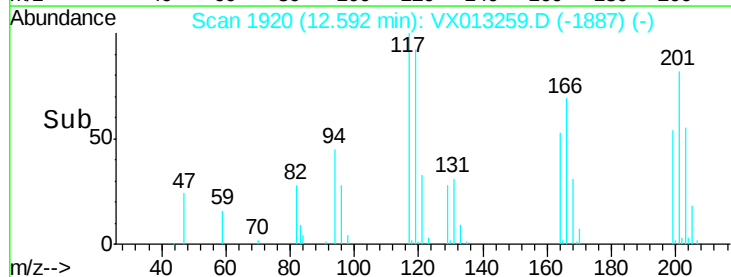
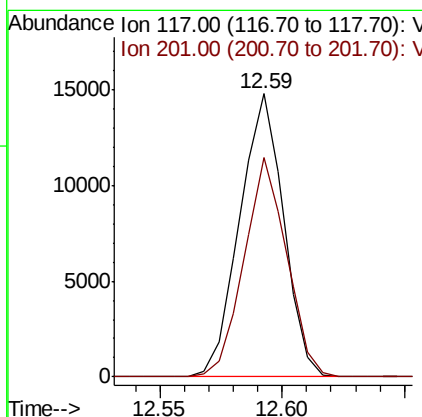
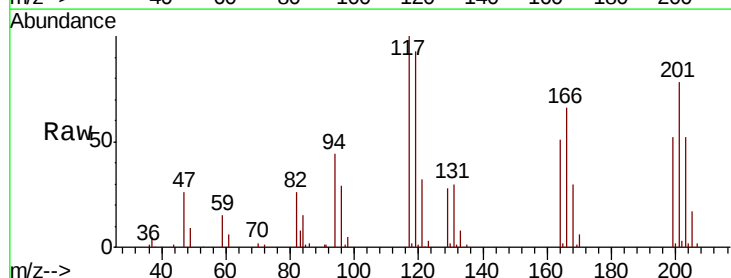
Manual Integrations  
APPROVED

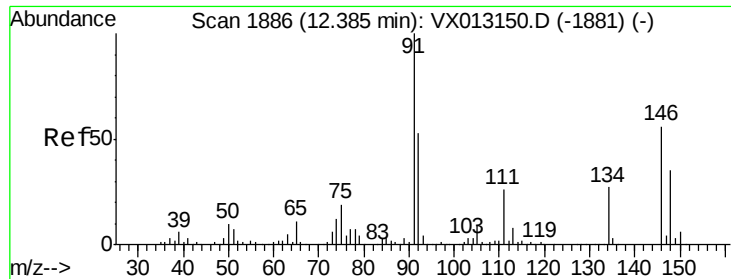
MMDadoda  
10/30/2019 12:08:00 PM



#86  
Hexachloroethane  
Concen: 17.696 ug/l  
RT: 12.59 min Scan# 1920  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 117     | 100  |       |       |       |       |
| 201     | 75.2 | 35.9  | 107.5 |       |       |





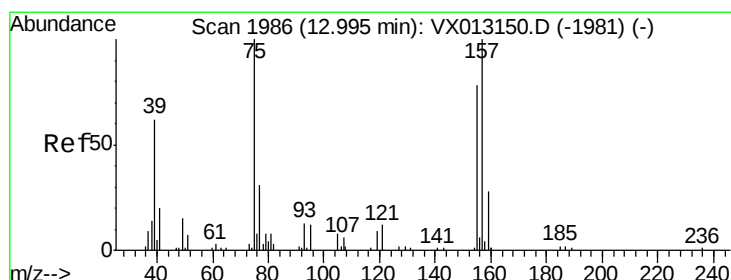
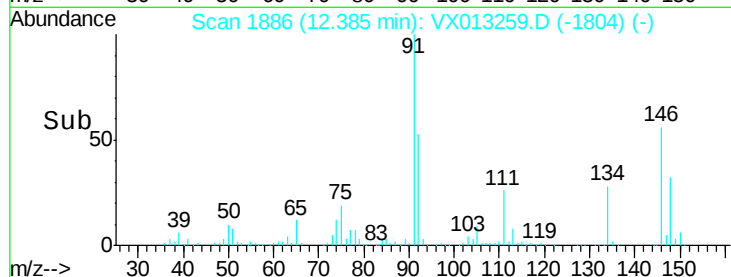
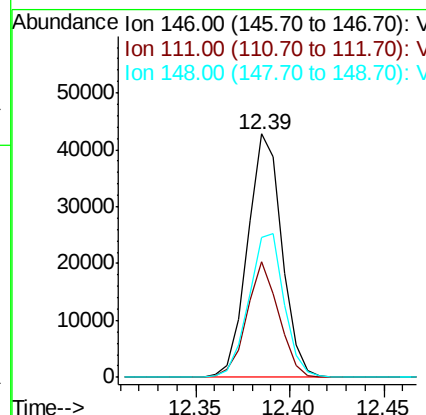
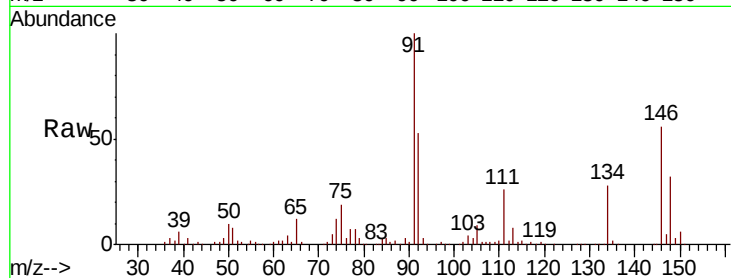
#87  
 1,2-Dichlorobenzene  
 Concen: 18.669 ug/l  
 RT: 12.39 min Scan# 1886  
 Delta R.T. -0.00 min  
 Lab File: VX013259.D  
 Acq: 28 Oct 2019 19:37

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.9  | 22.5  | 67.5  |
| 148     | 60.7  | 31.4  | 94.2  |

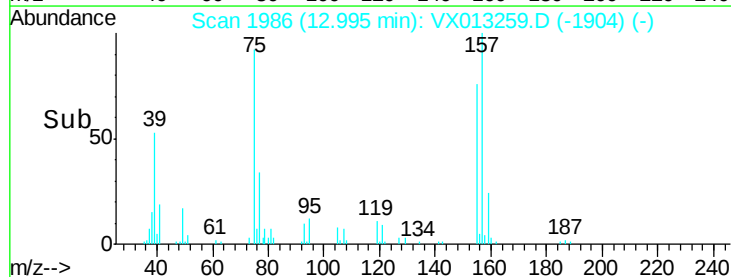
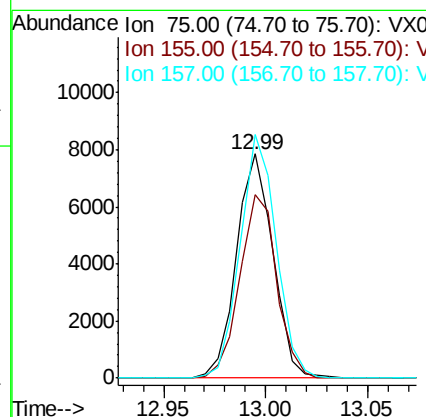
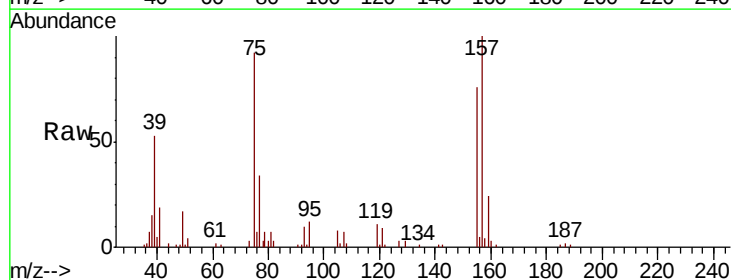
Manual Integrations  
 APPROVED

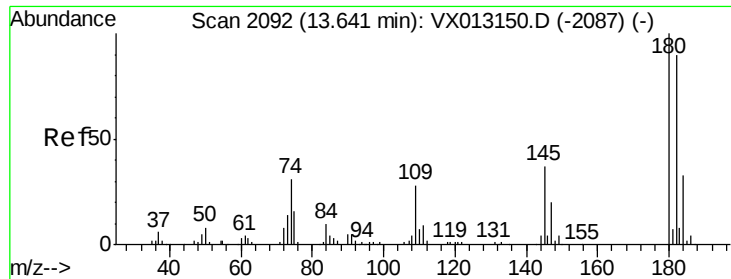
MMDadoda  
 10/30/2019 12:08:00 PM



#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.964 ug/l  
 RT: 12.99 min Scan# 1986  
 Delta R.T. -0.00 min  
 Lab File: VX013259.D  
 Acq: 28 Oct 2019 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 82.6  | 65.4  | 98.0  |
| 157     | 107.2 | 84.1  | 126.1 |





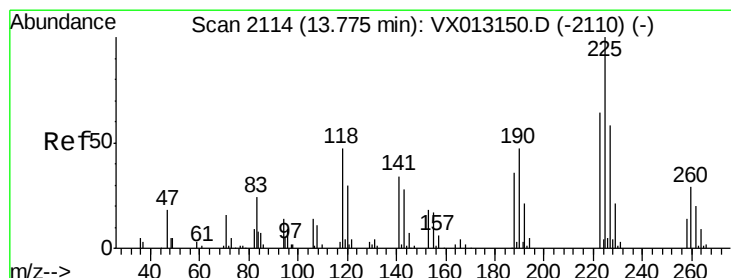
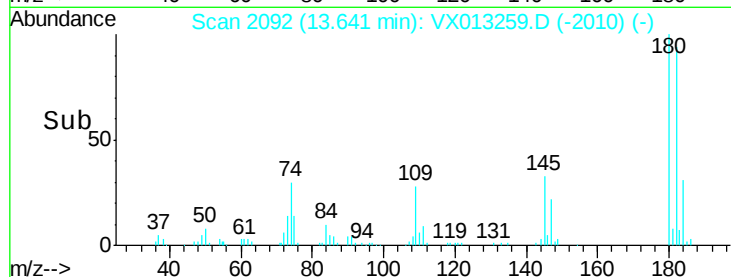
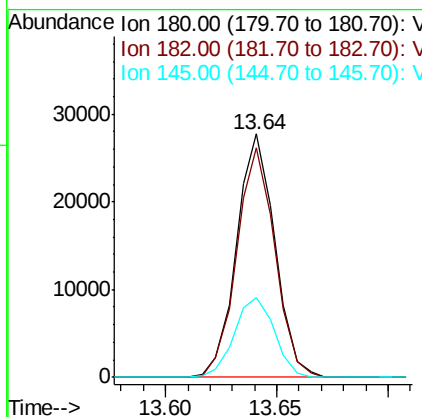
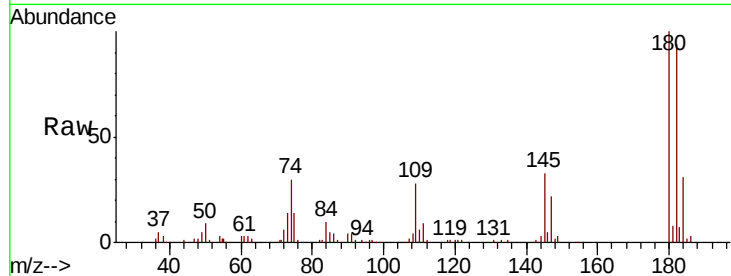
#89  
1,2,4-Trichlorobenzene  
Concen: 18.444 ug/l  
RT: 13.64 min Scan# 2092  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.1  | 76.1  | 114.1 |
| 145     | 34.4  | 27.4  | 41.2  |

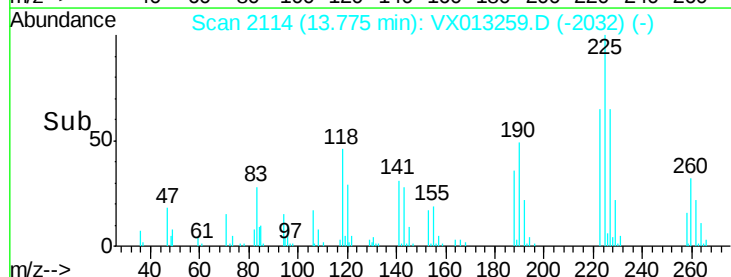
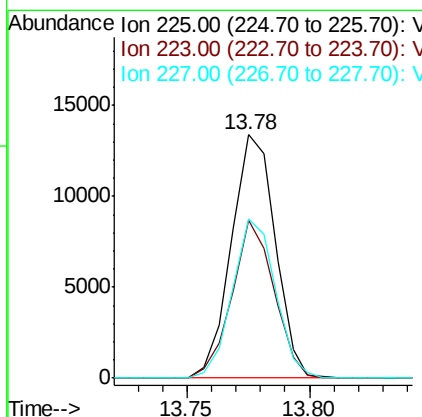
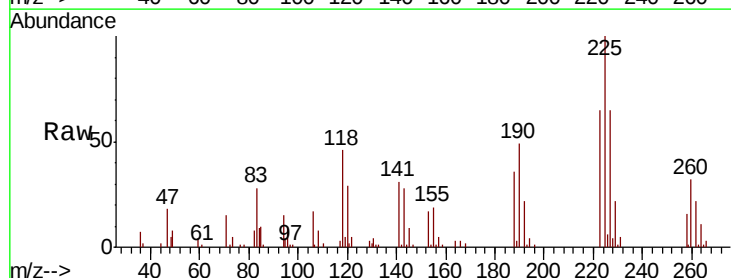
Manual Integrations  
APPROVED

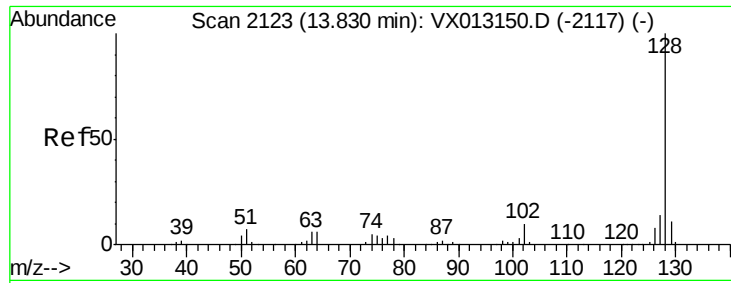
MMDadoda  
10/30/2019 12:08:00 PM



#90  
Hexachlorobutadiene  
Concen: 18.293 ug/l  
RT: 13.78 min Scan# 2114  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.1  | 0.0   | 131.2 |
| 227     | 63.7  | 0.0   | 127.0 |





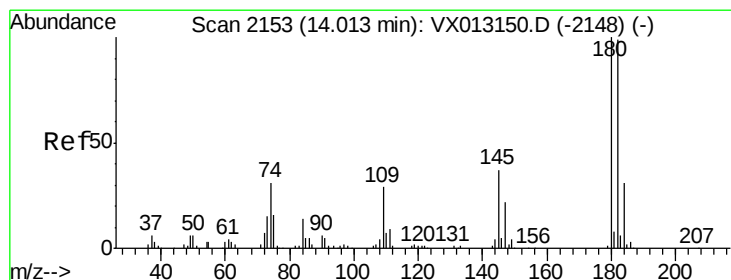
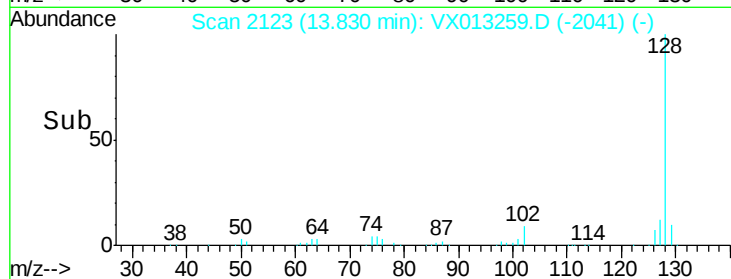
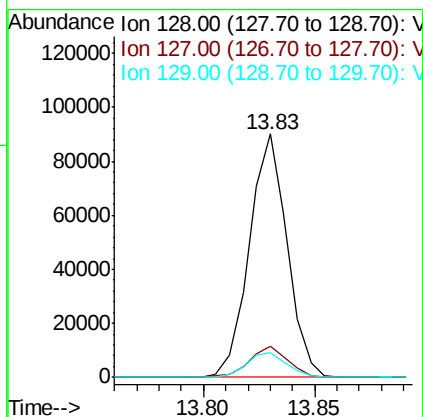
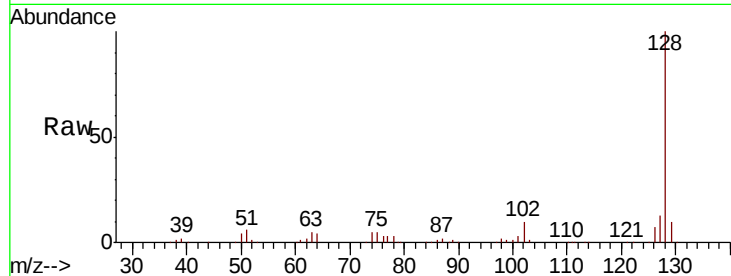
#91  
Naphthalene  
Concen: 18.219 ug/l  
RT: 13.83 min Scan# 2123  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.1  | 10.5  | 15.7  |
| 129     | 10.7  | 8.6   | 12.8  |

Manual Integrations  
APPROVED

MMDadoda  
10/30/2019 12:08:00 PM



#92  
1,2,3-Trichlorobenzene  
Concen: 18.235 ug/l  
RT: 14.01 min Scan# 2153  
Delta R.T. -0.00 min  
Lab File: VX013259.D  
Acq: 28 Oct 2019 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.2  | 0.0   | 194.4 |
| 145     | 35.6  | 0.0   | 71.2  |

