

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO090519\  
 Data File : VX012116.D  
 Acq On : 05 Sep 2019 22:17  
 Operator : SY/SP  
 Sample : VSTDCCC050  
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/6/2019 12:31:40 PM

Quant Time: Sep 06 07:05:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X090319S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 03 15:26:48 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 112015   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 213753   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 200716   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 98513    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.05   | 65  | 86661    | 56.07 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 112.14% |      |
| 35) Dibromofluoromethane  | 5.48   | 113 | 65933    | 50.16 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.32% |      |
| 50) Toluene-d8            | 8.71   | 98  | 245780   | 50.95 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.90% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 110165   | 49.11 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.22%  |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 44659  | 43.234  | ug/l   | 97     |
| 3) Chloromethane              | 1.31 | 50  | 53150  | 50.242  | ug/l   | 99     |
| 4) Vinyl Chloride             | 1.39 | 62  | 48408  | 48.637  | ug/l   | 99     |
| 5) Bromomethane               | 1.62 | 94  | 28553  | 57.830  | ug/l   | 97     |
| 6) Chloroethane               | 1.71 | 64  | 31303  | 50.592  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 71867  | 46.489  | ug/l   | 99     |
| 8) Diethyl Ether              | 2.17 | 74  | 28001  | 52.415  | ug/l   | 90     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 50482  | 44.089  | ug/l # | 83     |
| 10) Methyl Iodide             | 2.50 | 142 | 35980  | 33.688  | ug/l   | 92     |
| 11) Tert butyl alcohol        | 3.03 | 59  | 35003  | 235.784 | ug/l   | 96     |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 50590  | 45.866  | ug/l   | 90     |
| 13) Acrolein                  | 2.28 | 56  | 8551   | 226.148 | ug/l   | 99     |
| 14) Allyl chloride            | 2.72 | 41  | 100364 | 50.287  | ug/l   | 98     |
| 15) Acrylonitrile             | 3.12 | 53  | 84349  | 251.268 | ug/l   | 99     |
| 16) Acetone                   | 2.43 | 43  | 75092  | 203.266 | ug/l   | 99     |
| 17) Carbon Disulfide          | 2.56 | 76  | 159034 | 49.335  | ug/l   | 99     |
| 18) Methyl Acetate            | 2.76 | 43  | 48566  | 55.805  | ug/l   | 95     |
| 19) Methyl tert-butyl Ether   | 3.18 | 73  | 180460 | 50.254  | ug/l   | 97     |
| 20) Methylene Chloride        | 2.84 | 84  | 69014  | 46.521  | ug/l   | 95     |
| 21) trans-1,2-Dichloroethene  | 3.15 | 96  | 63019  | 48.688  | ug/l   | 96     |
| 22) Diisopropyl ether         | 3.84 | 45  | 204733 | 50.327  | ug/l   | 95     |
| 23) Vinyl Acetate             | 3.80 | 43  | 663965 | 252.307 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 3.68 | 63  | 116501 | 49.378  | ug/l   | 99     |
| 25) 2-Butanone                | 4.65 | 43  | 117550 | 249.971 | ug/l   | 94     |
| 26) 2,2-Dichloropropane       | 4.56 | 77  | 90798  | 41.683  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 4.58 | 96  | 73530  | 48.463  | ug/l   | 92     |
| 28) Bromochloromethane        | 5.00 | 49  | 53811  | 57.136  | ug/l # | 79     |
| 29) Tetrahydrofuran           | 5.12 | 42  | 73306  | 258.732 | ug/l   | 99     |
| 30) Chloroform                | 5.20 | 83  | 125808 | 49.694  | ug/l   | 98     |
| 31) Cyclohexane               | 5.56 | 56  | 84208  | 44.440  | ug/l   | 96     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97  | 107500 | 48.755  | ug/l   | 96     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 85102  | 45.204  | ug/l   | 95     |
| 37) Ethyl Acetate             | 4.82 | 43  | 49575  | 48.425  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 5.77 | 117 | 90112  | 45.424  | ug/l   | 94     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\  
 Data File : VX012116.D  
 Acq On : 05 Sep 2019 22:17  
 Operator : SY/SP  
 Sample : VSTDCCC050  
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/6/2019 12:31:40 PM

Quant Time: Sep 06 07:05:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X090319S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 03 15:26:48 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.45  | 83   | 91077    | 41.683  | ug/l   | 94       |
| 40) Benzene                    | 6.13  | 78   | 255383   | 47.252  | ug/l   | 98       |
| 41) Methacrylonitrile          | 5.03  | 41   | 31001    | 50.778  | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 97972    | 50.373  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 6.43  | 43   | 103335   | 49.641  | ug/l   | 98       |
| 44) Trichloroethene            | 7.20  | 130  | 67661    | 46.415  | ug/l   | 84       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 66104    | 47.340  | ug/l   | 100      |
| 46) Dibromomethane             | 7.65  | 93   | 40050    | 49.132  | ug/l # | 74       |
| 47) Bromodichloromethane       | 7.89  | 83   | 98666    | 47.619  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.76  | 41   | 52171    | 49.845  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 14185    | 994.165 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 270796   | 255.758 | ug/l   | 96       |
| 52) Toluene                    | 8.78  | 92   | 165825   | 47.156  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 97904    | 45.640  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 108728   | 45.580  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 54976    | 47.174  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 79363    | 47.543  | ug/l   | 93       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 96619    | 48.045  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 189219   | 251.430 | ug/l   | 94       |
| 59) 2-Hexanone                 | 9.48  | 43   | 188068   | 243.428 | ug/l   | 96       |
| 60) Dibromochloromethane       | 9.57  | 129  | 65782    | 47.362  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 54497    | 48.394  | ug/l   | 98       |
| 64) Tetrachloroethene          | 9.33  | 164  | 62155    | 49.671  | ug/l # | 87       |
| 65) Chlorobenzene              | 10.14 | 112  | 179599   | 45.350  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 66929    | 46.220  | ug/l   | 97       |
| 67) Ethyl Benzene              | 10.25 | 91   | 325509   | 45.092  | ug/l   | 96       |
| 68) m/p-Xylenes                | 10.35 | 106  | 240600   | 90.462  | ug/l   | 90       |
| 69) o-Xylene                   | 10.70 | 106  | 115865   | 44.925  | ug/l   | 87       |
| 70) Styrene                    | 10.71 | 104  | 206708   | 46.144  | ug/l   | 95       |
| 71) Bromoform                  | 10.85 | 173  | 36784    | 46.249  | ug/l # | 97       |
| 73) Isopropylbenzene           | 11.01 | 105  | 316545   | 43.794  | ug/l   | 95       |
| 74) N-amyl acetate             | 10.89 | 43   | 98649    | 46.160  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 68420    | 45.406  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 53507m   | 44.453  | ug/l   |          |
| 77) Bromobenzene               | 11.25 | 156  | 72296    | 44.722  | ug/l # | 68       |
| 78) n-propylbenzene            | 11.35 | 91   | 372596   | 42.669  | ug/l   | 95       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 237371   | 44.869  | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 285531   | 45.077  | ug/l   | 93       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 20321    | 39.913  | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 286906   | 45.501  | ug/l   | 90       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 260996   | 43.231  | ug/l   | 88       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 286300   | 43.977  | ug/l   | 96       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 318993   | 42.539  | ug/l   | 94       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 289529   | 42.455  | ug/l   | 93       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 143577   | 44.324  | ug/l   | 93       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 145436   | 44.903  | ug/l   | 94       |
| 89) n-Butylbenzene             | 12.38 | 91   | 282512   | 42.645  | ug/l   | 96       |
| 90) Hexachloroethane           | 12.59 | 117  | 56627    | 41.586  | ug/l   | 59       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 135809   | 46.552  | ug/l   | 92       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 14413    | 45.708  | ug/l   | 66       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090519\  
Data File : VX012116.D  
Acq On : 05 Sep 2019 22:17  
Operator : SY/SP  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA X/SOIL  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

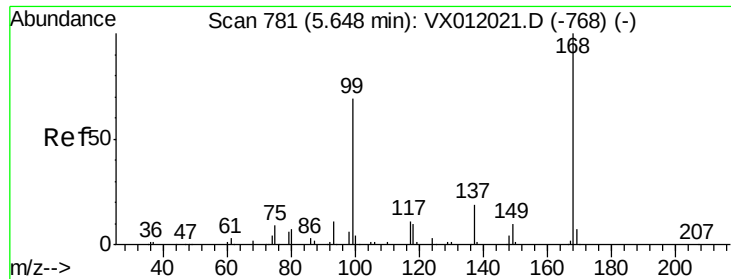
MMDadoda  
9/6/2019 12:31:40 PM

Quant Time: Sep 06 07:05:20 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X090319S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 03 15:26:48 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180  | 92984    | 44.780 | ug/l  | 95       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 49053    | 46.864 | ug/l  | 97       |
| 95) Naphthalene            | 13.83 | 128  | 205824   | 45.799 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 82735    | 45.289 | ug/l  | 96       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 112015

Ion Ratio Lower Upper

168 100

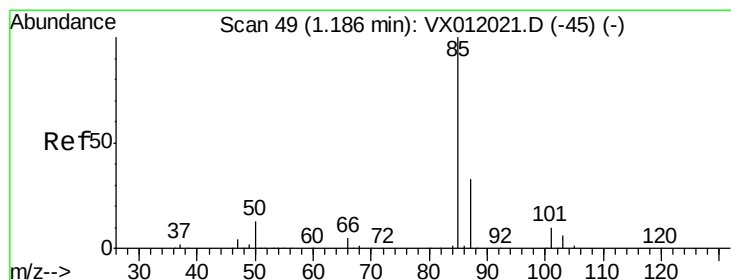
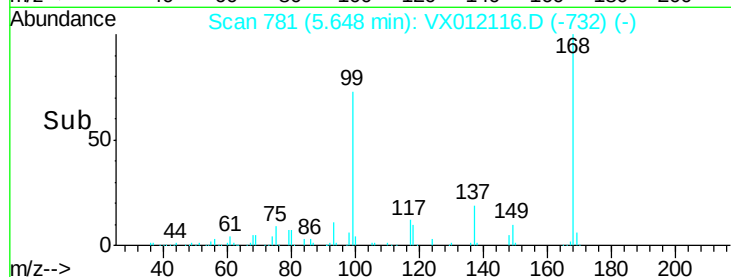
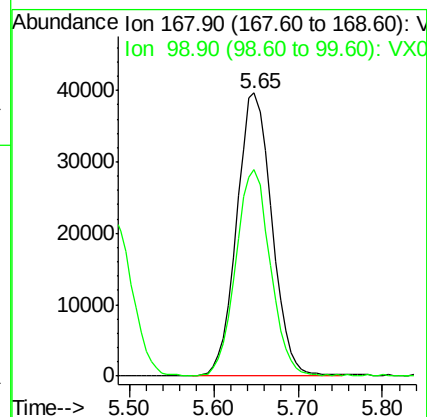
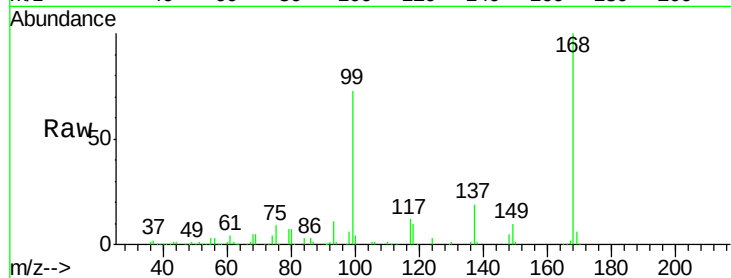
99 72.7 37.6 56.4#

Manual Integrations

APPROVED

MMDadoda

9/6/2019 12:31:40 PM



#2

Dichlorodifluoromethane

Concen: 43.234 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012116.D

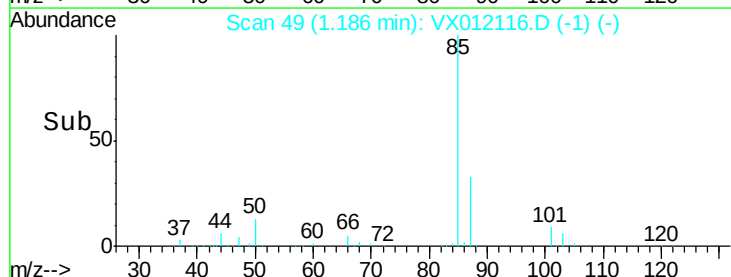
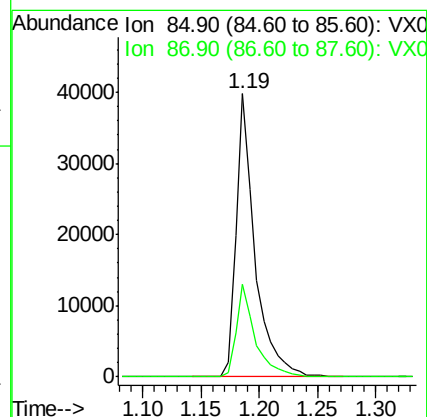
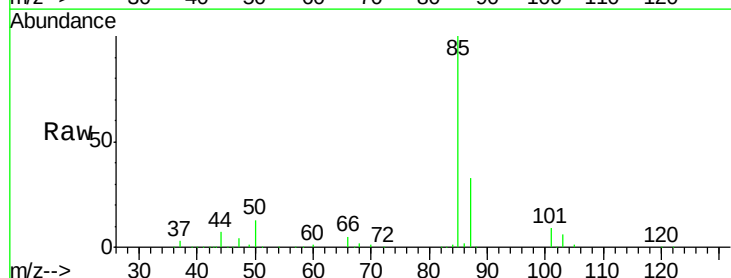
Acq: 05 Sep 2019 22:17

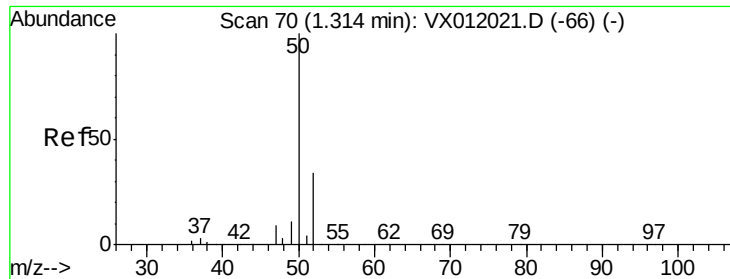
Tgt Ion: 85 Resp: 44659

Ion Ratio Lower Upper

85 100

87 32.7 15.6 46.8





#3

Chloromethane

Concen: 50.242 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 53150

Ion Ratio Lower Upper

50 100

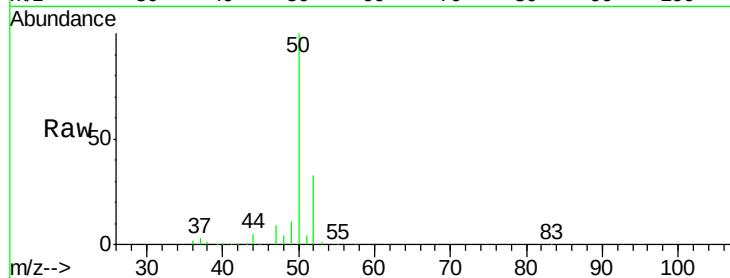
52 32.6 26.5 39.7

Manual Integrations

APPROVED

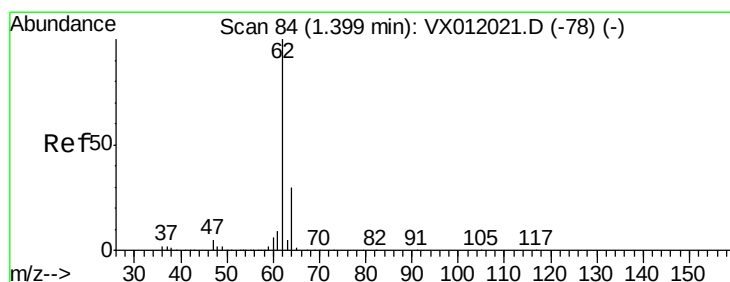
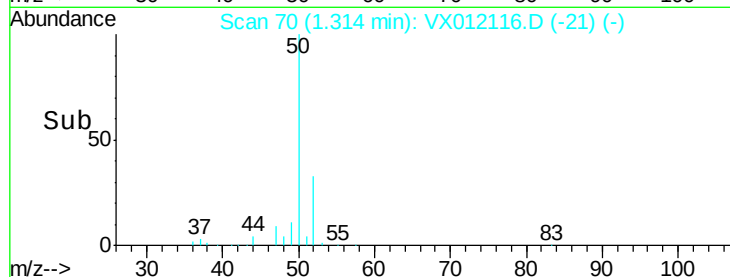
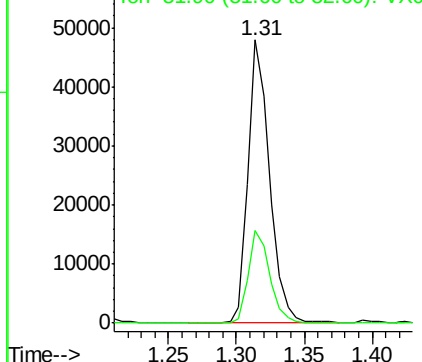
MMDadoda

9/6/2019 12:31:40 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.637 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012116.D

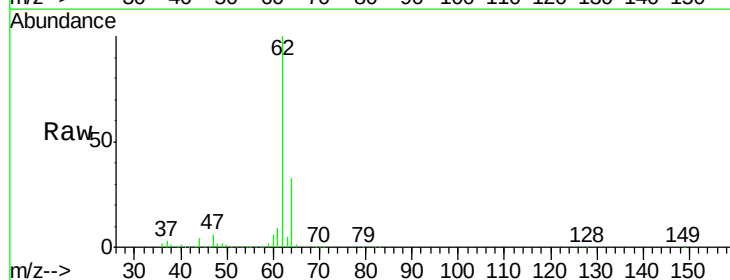
Acq: 05 Sep 2019 22:17

Tgt Ion: 62 Resp: 48408

Ion Ratio Lower Upper

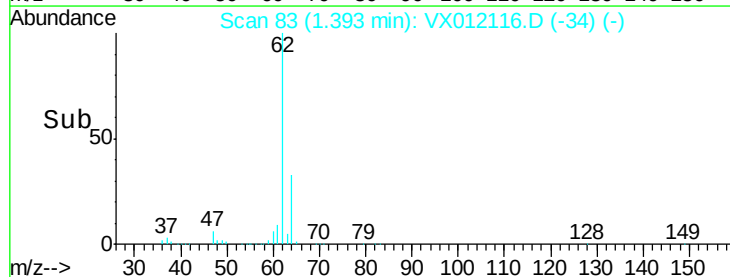
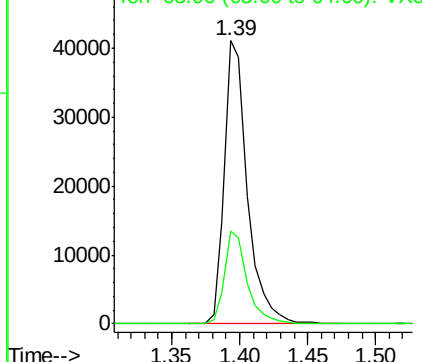
62 100

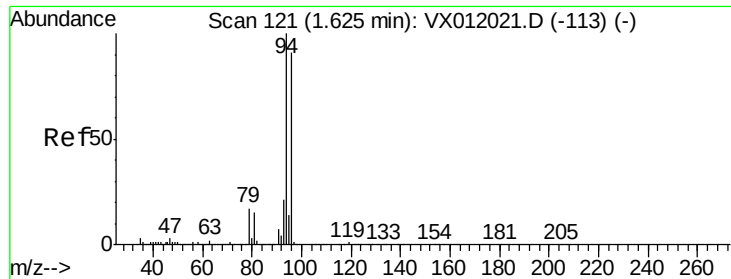
64 32.5 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 57.830 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 28553

Ion Ratio Lower Upper

94 100

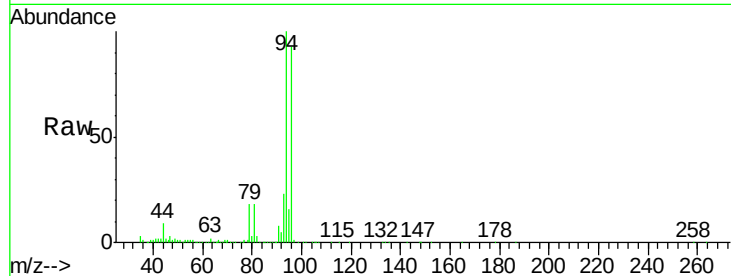
96 92.4 76.3 114.5

Manual Integrations

APPROVED

MMDadoda

9/6/2019 12:31:40 PM

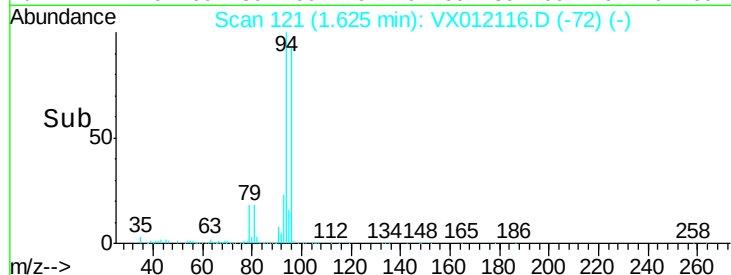


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

Time-->



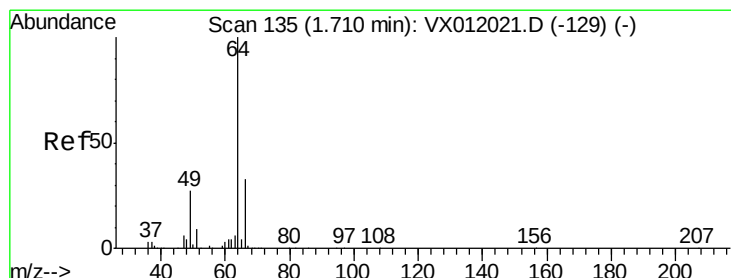
Abundance

Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

Time-->



#6

Chloroethane

Concen: 50.592 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012116.D

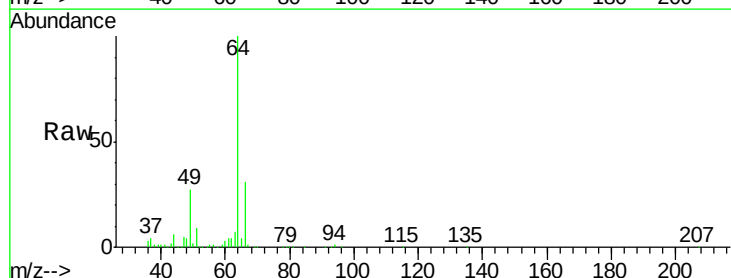
Acq: 05 Sep 2019 22:17

Tgt Ion: 64 Resp: 31303

Ion Ratio Lower Upper

64 100

66 30.9 26.3 39.5

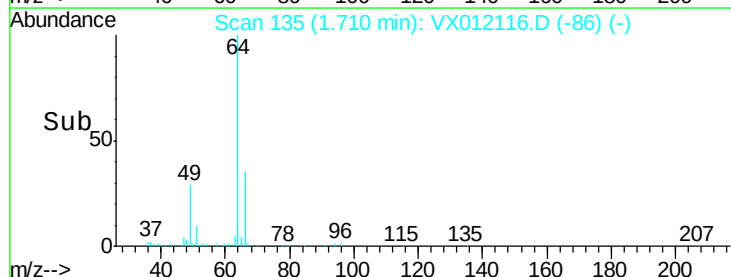


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

Time-->



Abundance

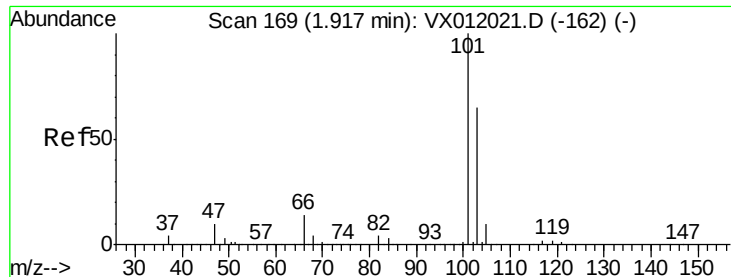
Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

Time-->





#7

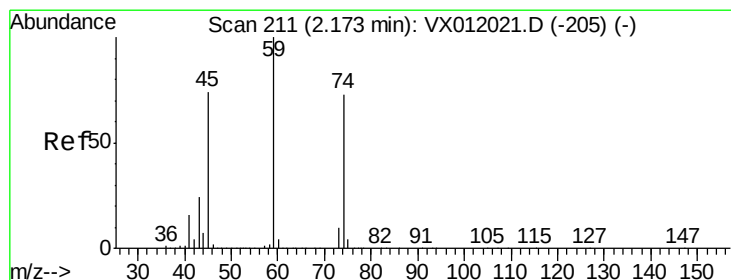
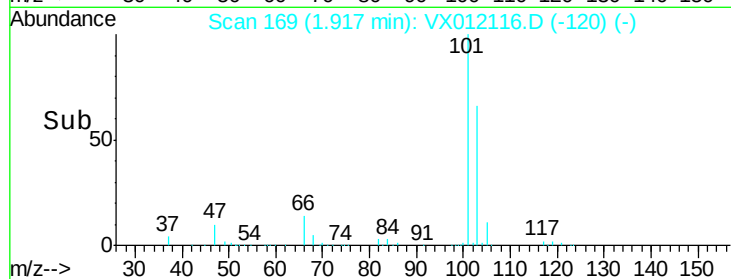
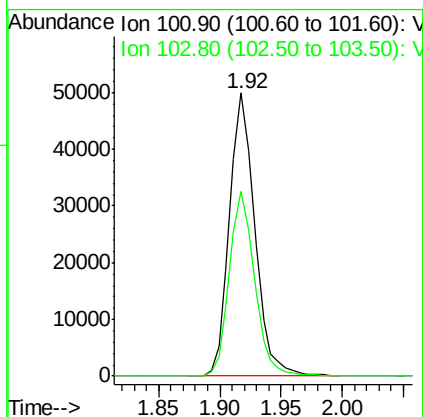
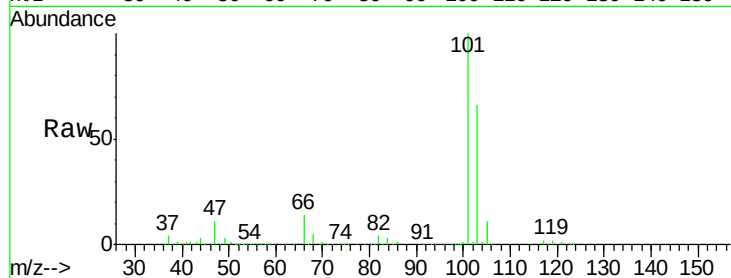
Trichlorofluoromethane  
Concen: 46.489 ug/l  
RT: 1.92 min Scan# 169  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:101 Resp: 71867  
Ion Ratio Lower Upper  
101 100  
103 65.5 51.6 77.4

Manual Integrations  
APPROVED

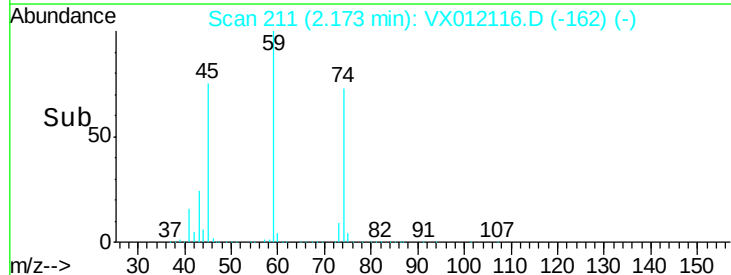
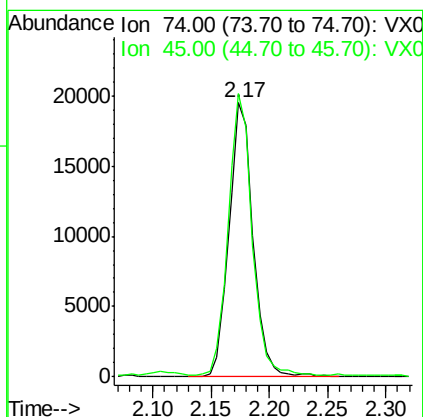
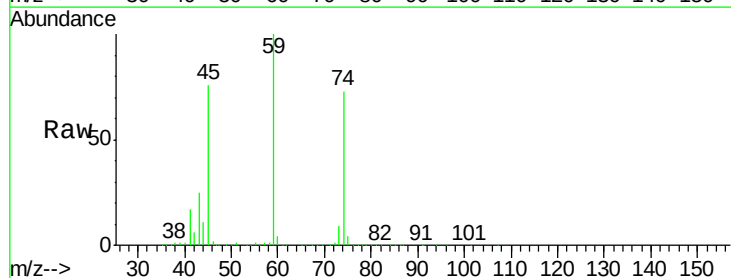
MMDadoda  
9/6/2019 12:31:40 PM



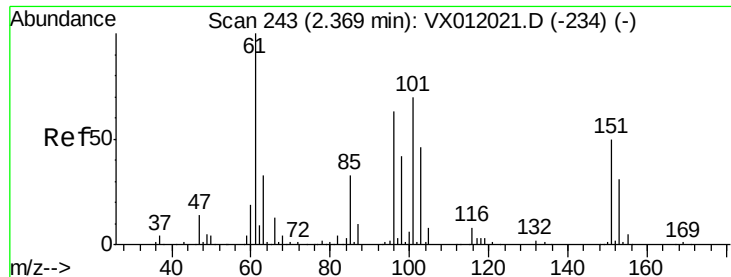
#8

Diethyl Ether  
Concen: 52.415 ug/l  
RT: 2.17 min Scan# 211  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Tgt Ion: 74 Resp: 28001  
Ion Ratio Lower Upper  
74 100  
45 101.0 45.9 137.6







#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.089 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 50482

Ion Ratio Lower Upper

101 100

85 46.8 34.5 51.7

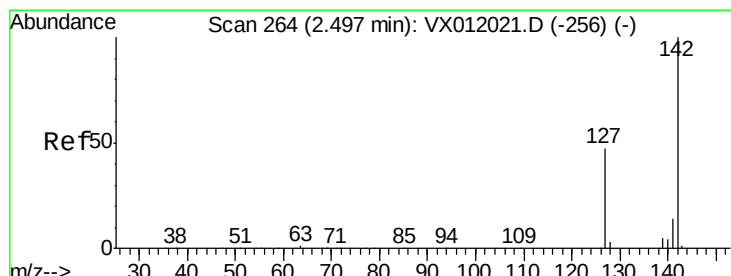
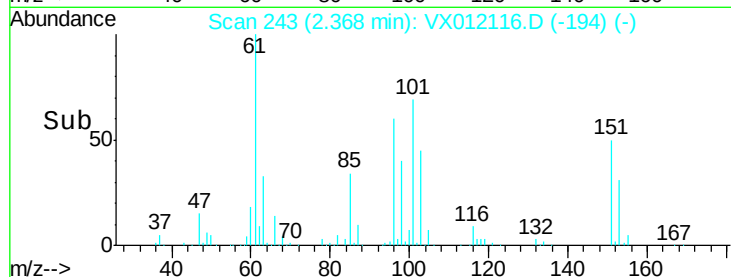
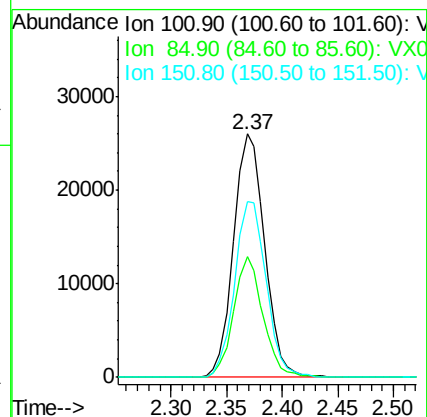
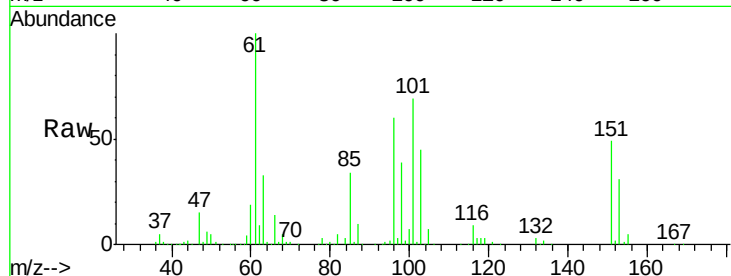
151 72.8 75.0 112.4#

Manual Integrations

APPROVED

MMDadoda

9/6/2019 12:31:40 PM



#10

Methyl Iodide

Concen: 33.688 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

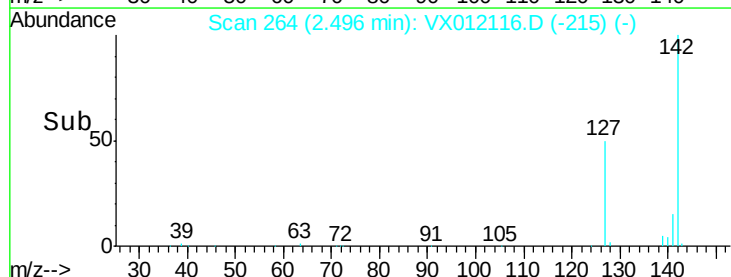
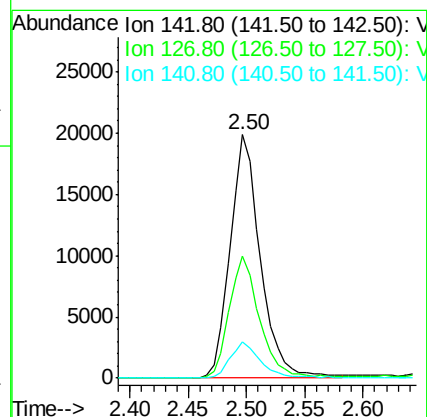
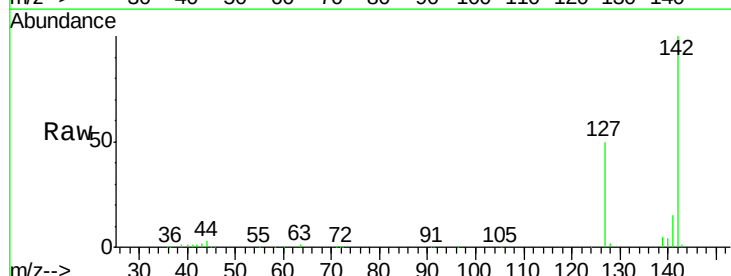
Tgt Ion:142 Resp: 35980

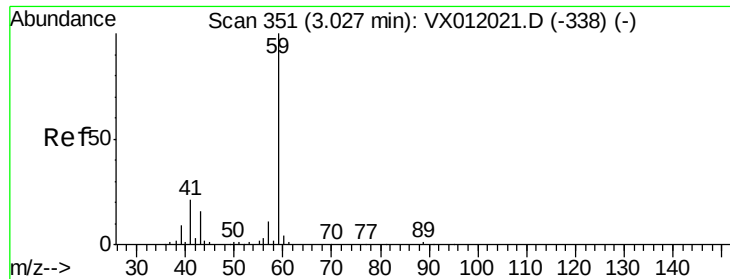
Ion Ratio Lower Upper

142 100

127 50.6 35.4 53.2

141 15.0 11.4 17.2





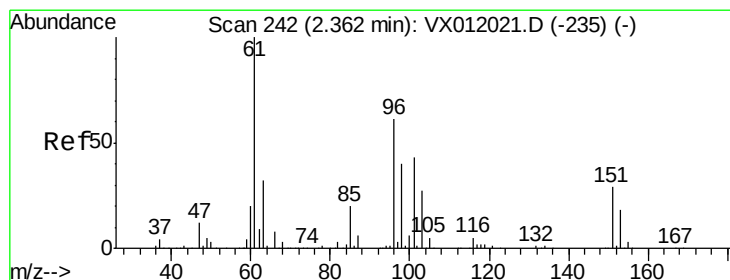
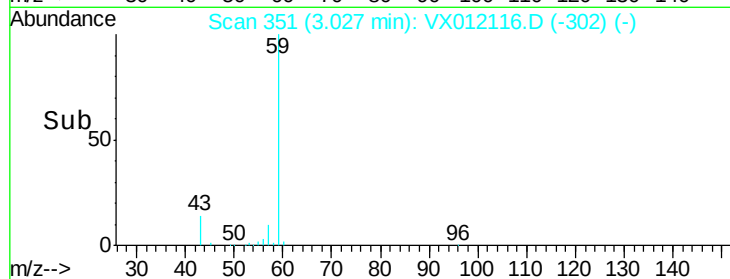
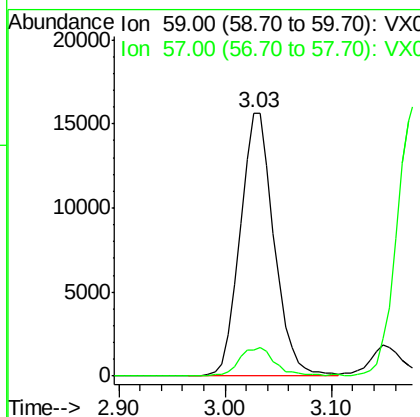
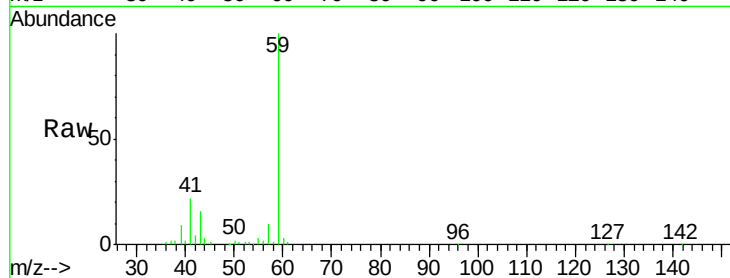
#11  
Tert butyl alcohol  
Concen: 235.784 ug/l  
RT: 3.03 min Scan# 351  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 59   | Resp  | 35003 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 11.5 | 7.9   | 11.9  |

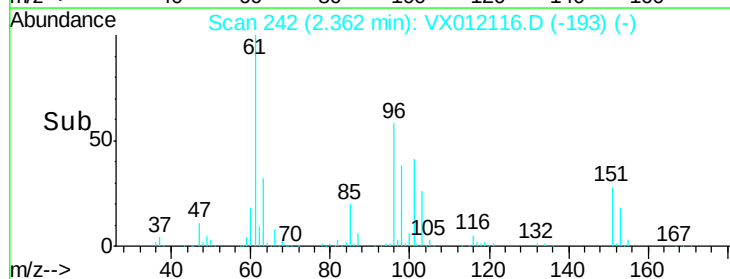
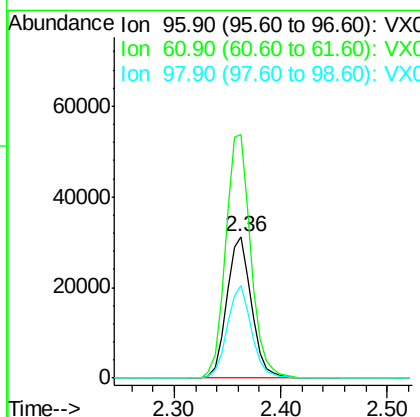
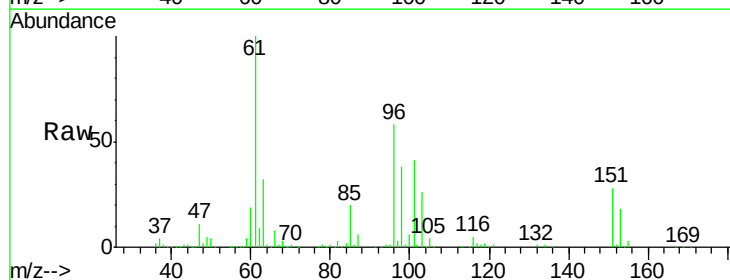
Manual Integrations  
APPROVED

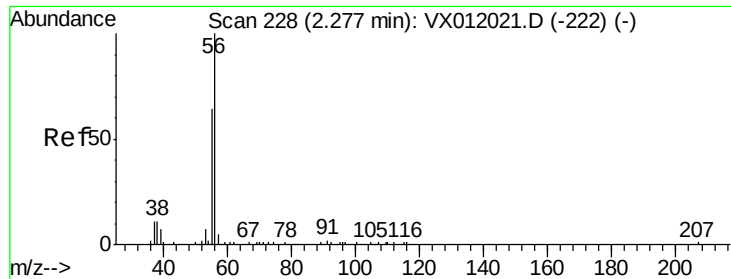
MMDadoda  
9/6/2019 12:31:40 PM



#12  
1,1-Dichloroethene  
Concen: 45.866 ug/l  
RT: 2.36 min Scan# 242  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

| Tgt Ion   | 96    | Resp  | 50590 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 172.3 | 124.1 | 186.1 |
| 98        | 65.2  | 50.2  | 75.2  |





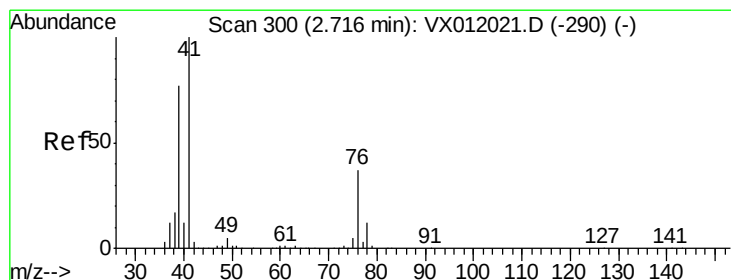
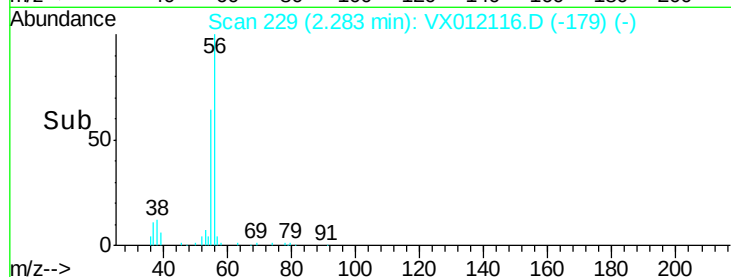
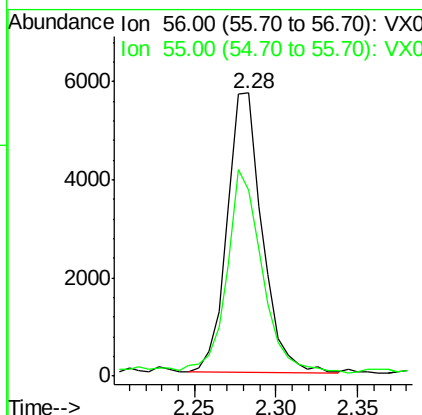
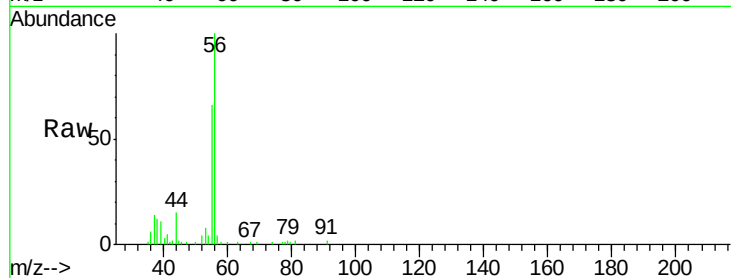
#13  
Acrolein  
Concen: 226.148 ug/l  
RT: 2.28 min Scan# 229  
Delta R.T. 0.01 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 72.8  | 59.2  | 88.8  |

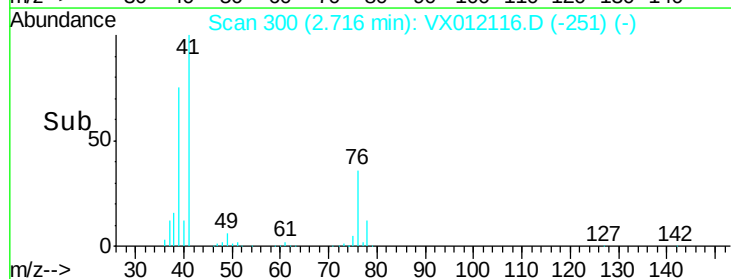
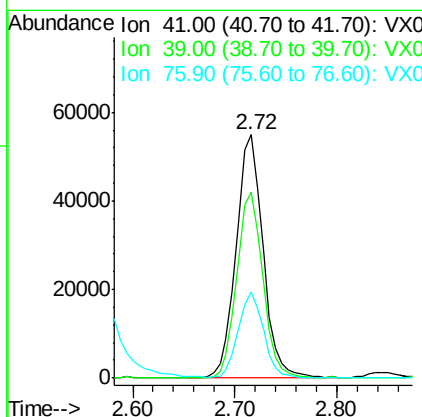
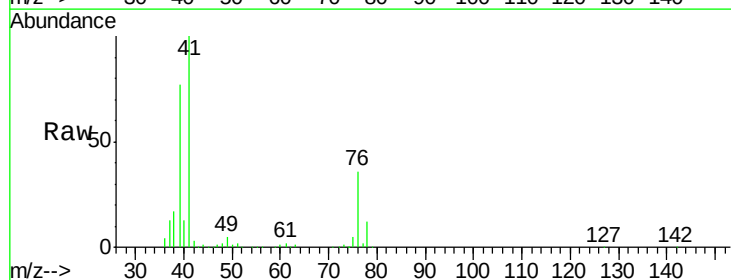
Manual Integrations  
APPROVED

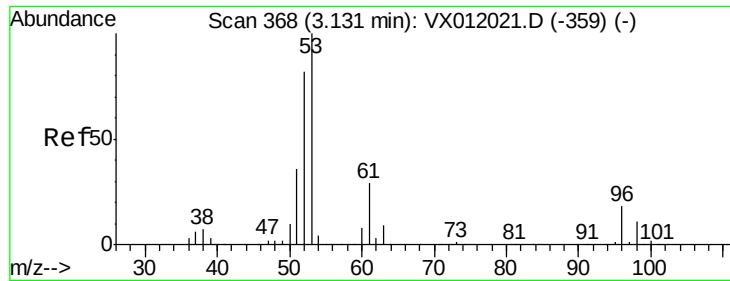
MMDadoda  
9/6/2019 12:31:40 PM



#14  
Allyl chloride  
Concen: 50.287 ug/l  
RT: 2.72 min Scan# 300  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 73.6  | 57.9  | 86.9  |
| 76      | 33.7  | 28.5  | 42.7  |





#15

Acrylonitrile

Concen: 251.268 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA\_X

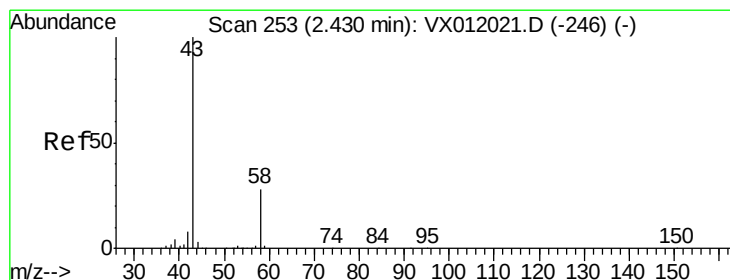
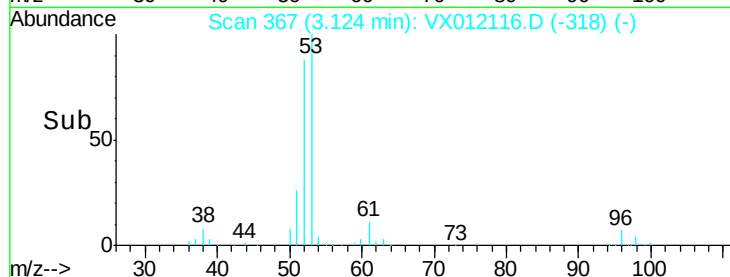
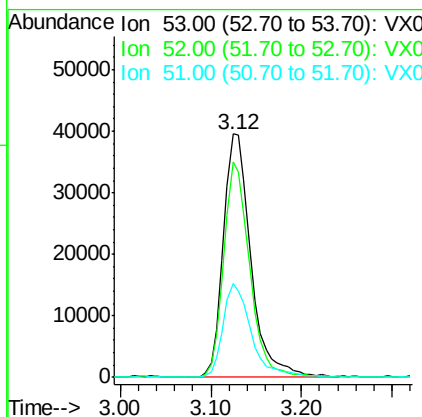
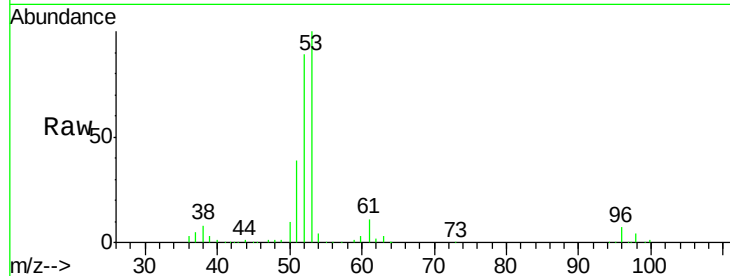
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 84349 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.8  | 65.6  | 98.4  |
| 51       | 38.8  | 29.8  | 44.6  |

Manual Integrations  
APPROVED

MMDadoda  
9/6/2019 12:31:40 PM



#16

Acetone

Concen: 203.266 ug/l

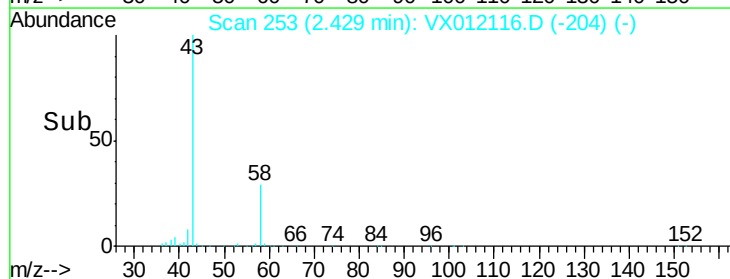
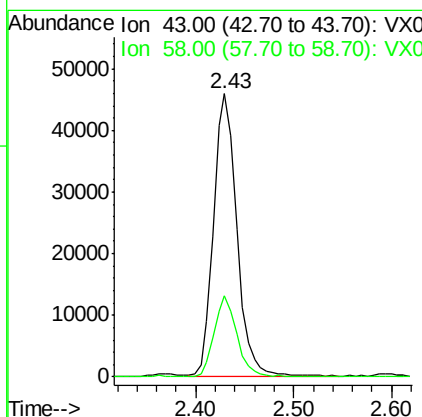
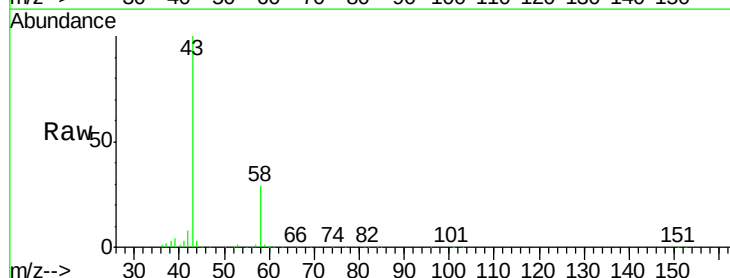
RT: 2.43 min Scan# 253

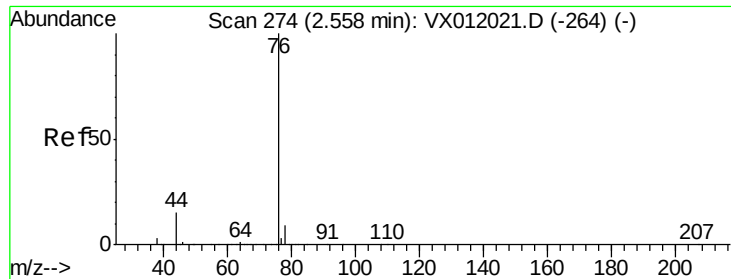
Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 75092 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 28.8  | 22.8  | 34.2  |





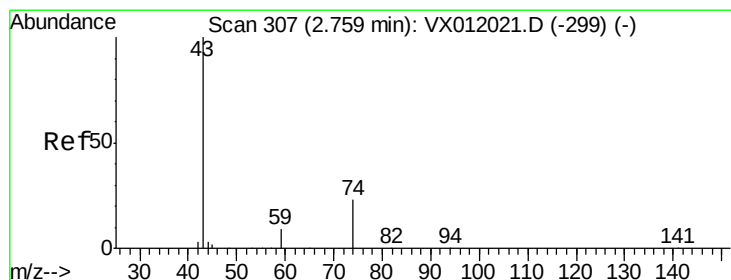
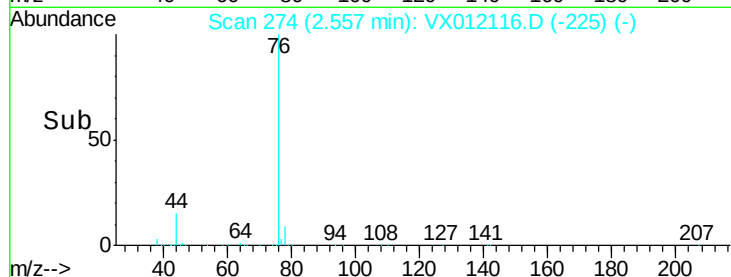
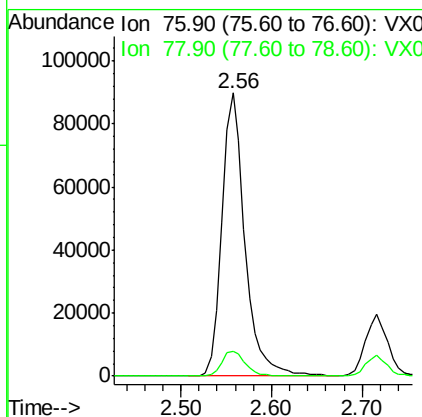
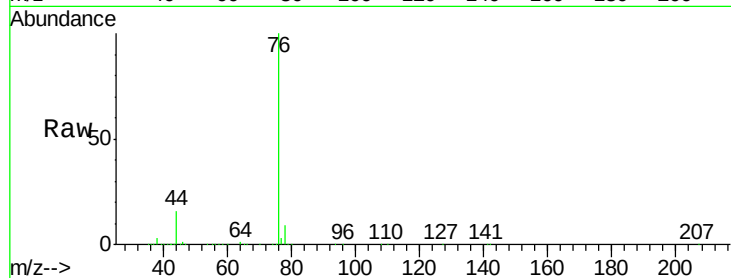
#17  
Carbon Disulfide  
Concen: 49.335 ug/l  
RT: 2.56 min Scan# 274  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.0   | 7.4   | 11.2  |

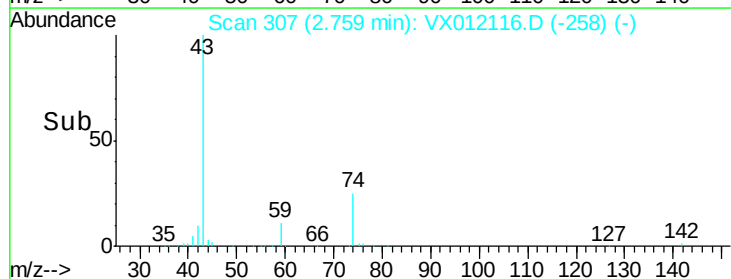
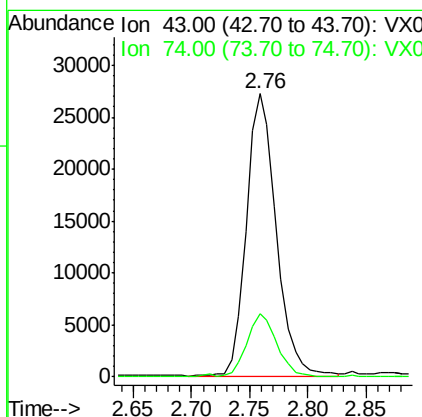
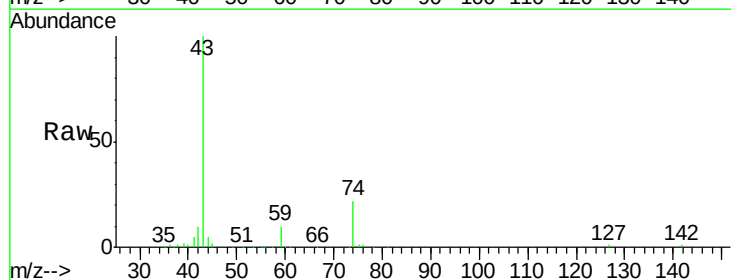
Manual Integrations  
APPROVED

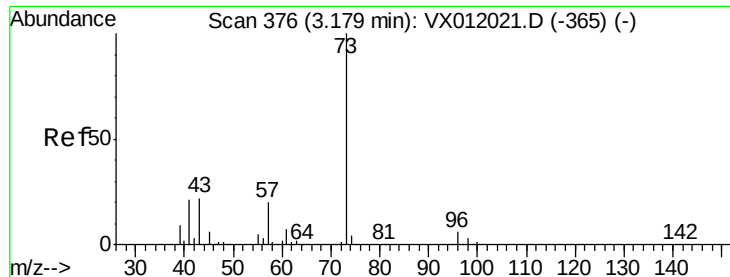
MMDadoda  
9/6/2019 12:31:40 PM



#18  
Methyl Acetate  
Concen: 55.805 ug/l  
RT: 2.76 min Scan# 307  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 21.9  | 19.5  | 29.3  |





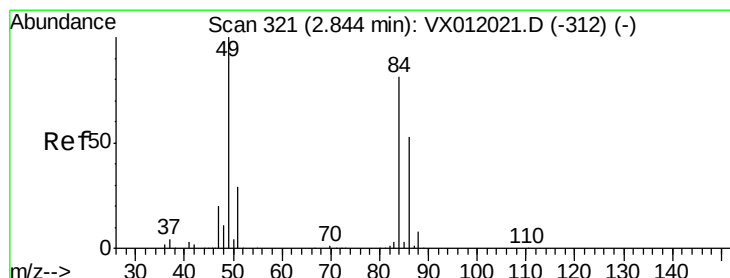
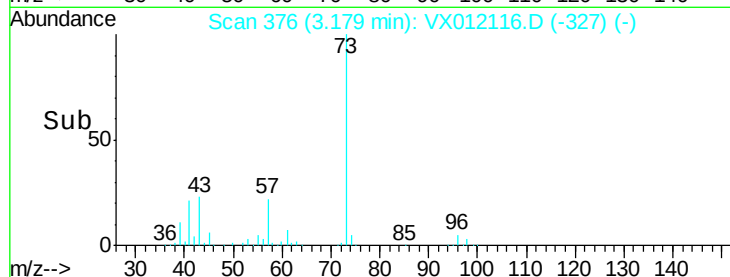
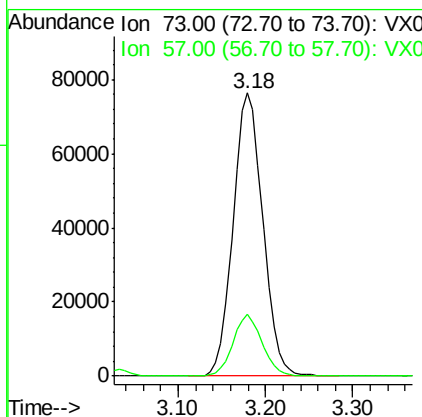
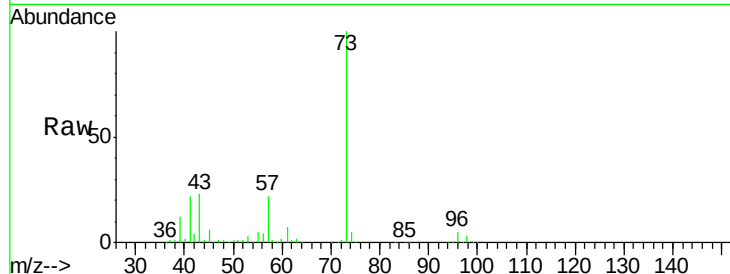
#19  
Methyl tert-butyl Ether  
Concen: 50.254 ug/l  
RT: 3.18 min Scan# 376  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 180460  
Ion Ratio Lower Upper  
73 100  
57 22.0 16.6 25.0

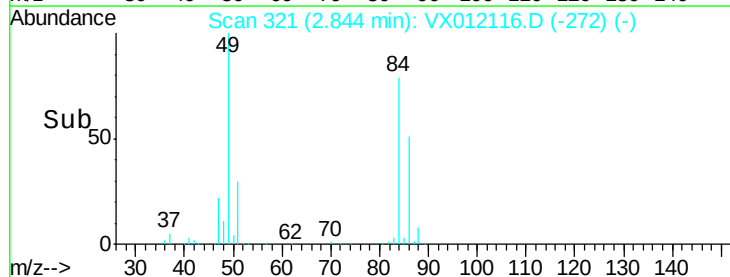
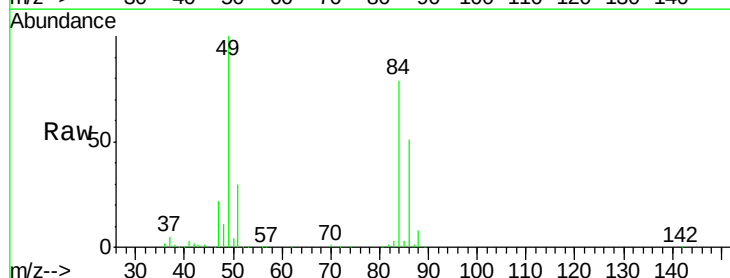
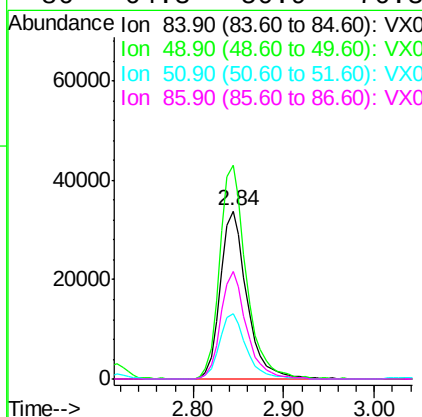
Manual Integrations  
APPROVED

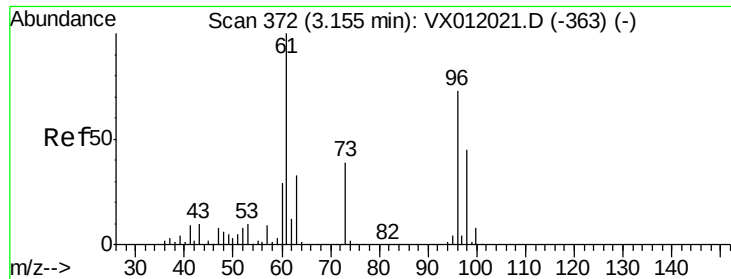
MMDadoda  
9/6/2019 12:31:40 PM



#20  
Methylene Chloride  
Concen: 46.521 ug/l  
RT: 2.84 min Scan# 321  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Tgt Ion: 84 Resp: 69014  
Ion Ratio Lower Upper  
84 100  
49 127.2 95.8 143.8  
51 38.5 28.6 43.0  
86 64.3 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 48.688 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA\_X

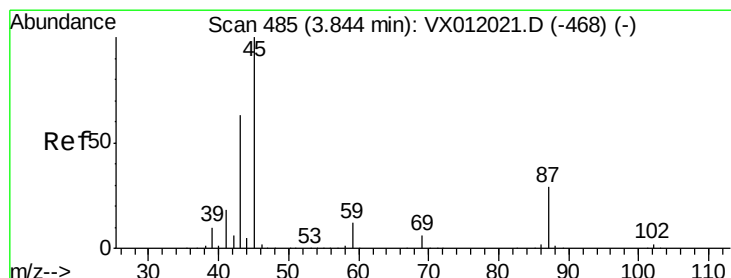
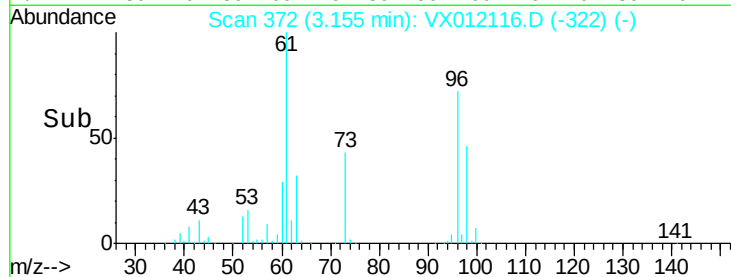
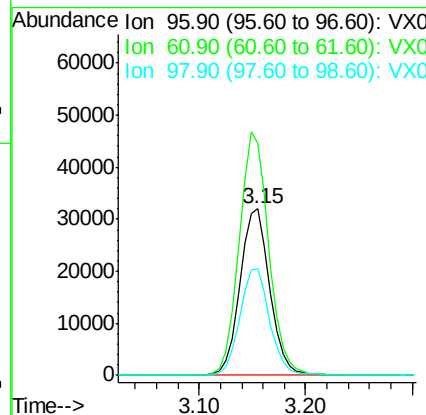
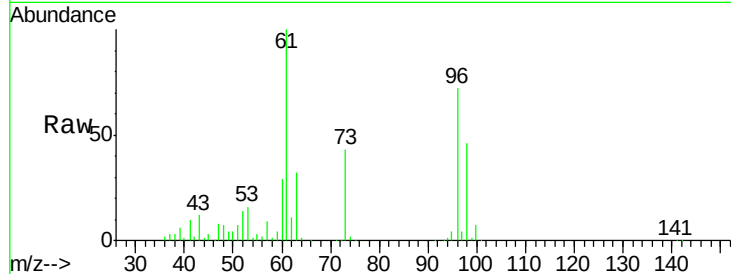
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 63019 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 139.0 | 107.0 | 160.6 |
| 98       | 64.1  | 49.8  | 74.6  |

Manual Integrations  
APPROVED

MMDadoda  
9/6/2019 12:31:40 PM



#22

Diisopropyl ether

Concen: 50.327 ug/l

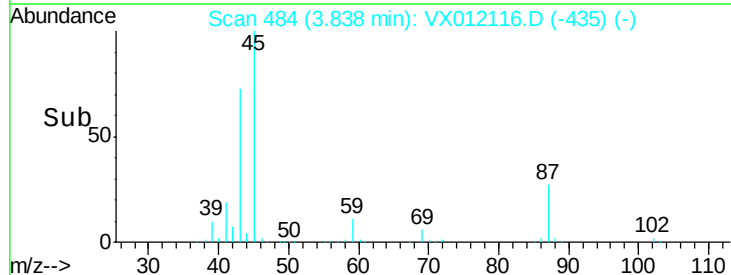
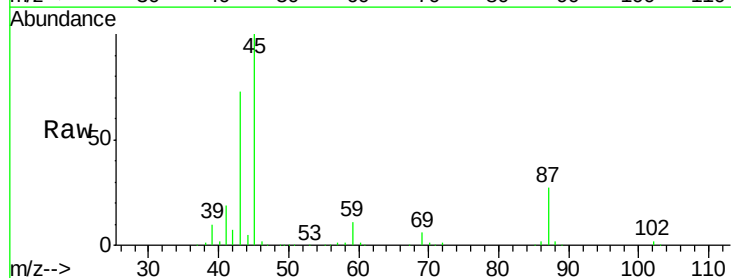
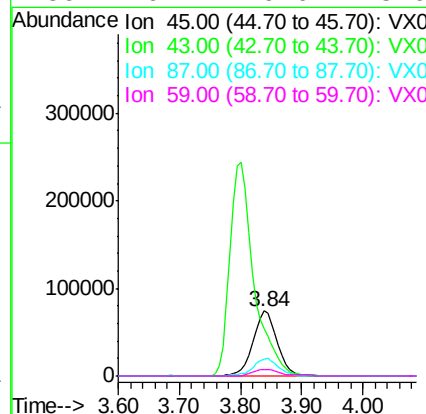
RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

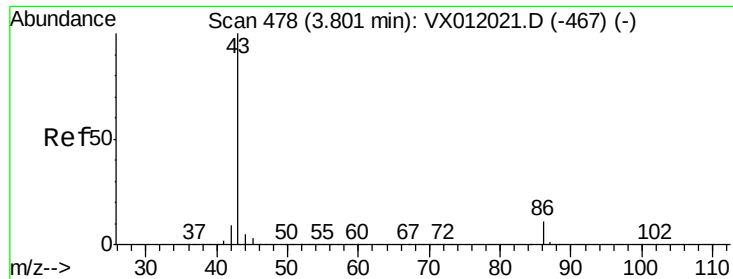
Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 204733 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 72.5  | 54.2  | 81.4   |
| 87       | 26.4  | 23.4  | 35.0   |
| 59       | 10.7  | 9.0   | 13.6   |







#23

Vinyl Acetate

Concen: 252.307 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 663965

Ion Ratio Lower Upper

43 100

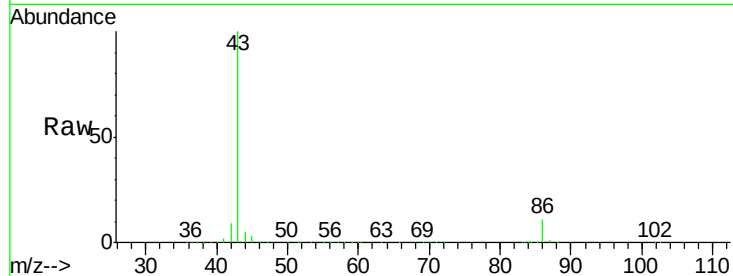
86 10.9 9.0 13.6

Manual Integrations

APPROVED

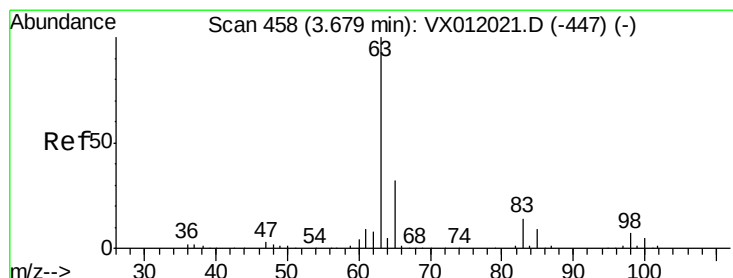
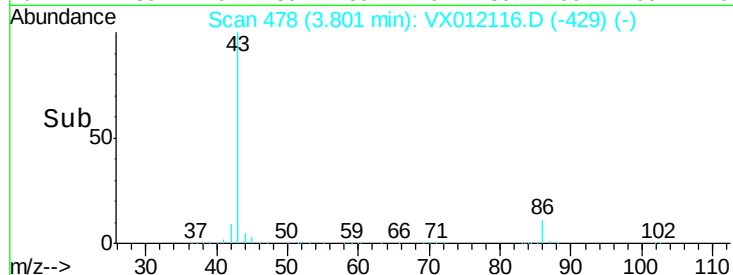
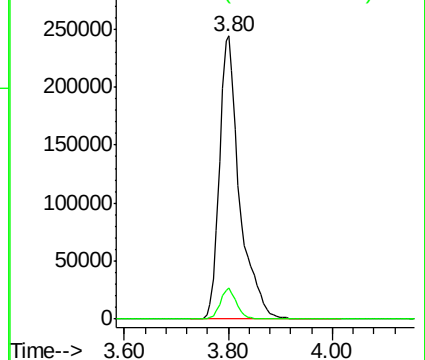
MMDadoda

9/6/2019 12:31:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.378 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

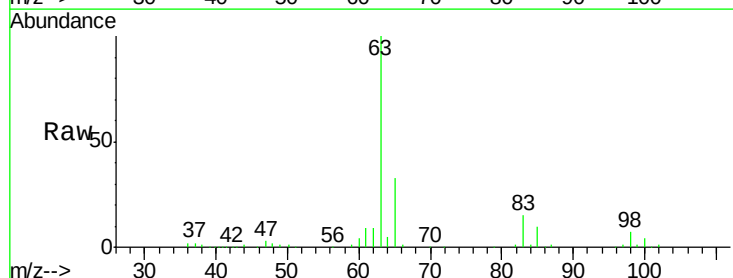
Tgt Ion: 63 Resp: 116501

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.7

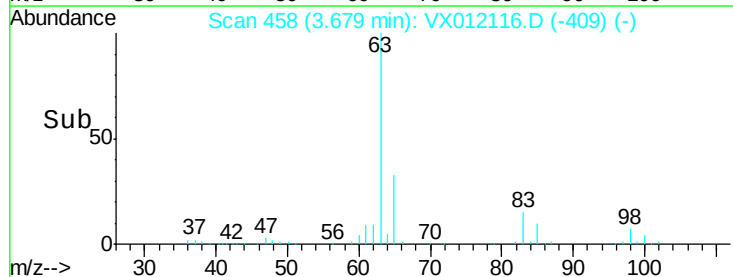
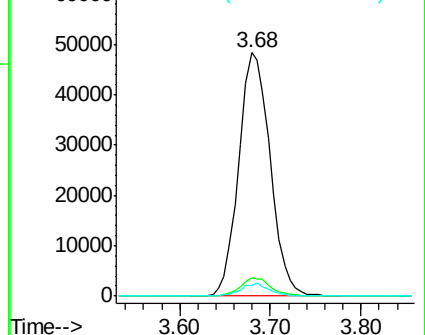
100 4.2 2.5 7.4

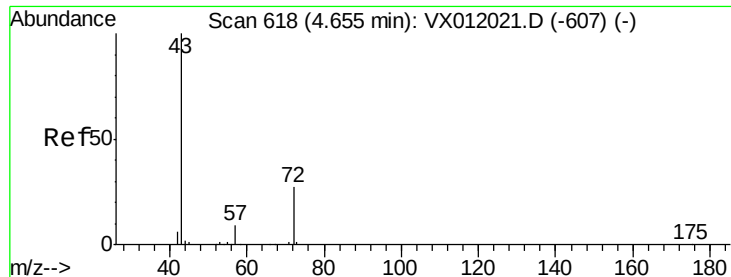


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 249.971 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 117550

Ion Ratio Lower Upper

43 100

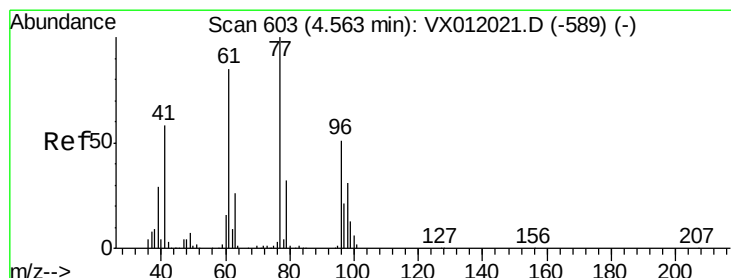
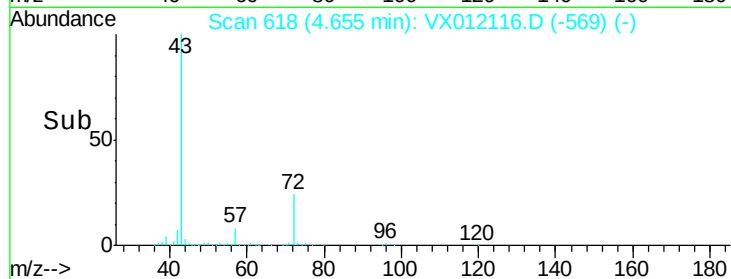
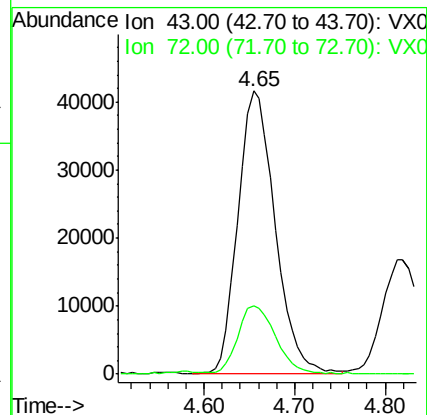
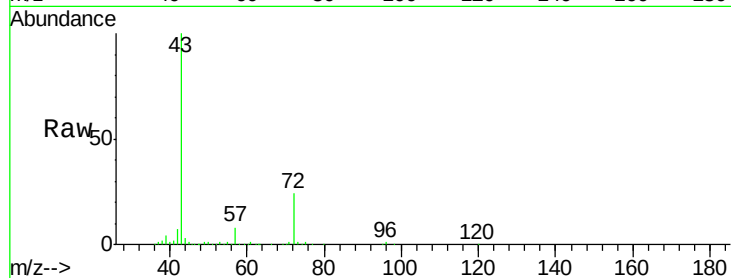
72 23.8 21.3 31.9

Manual Integrations

APPROVED

MMDadoda

9/6/2019 12:31:40 PM



#26

2,2-Dichloropropane

Concen: 41.683 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012116.D

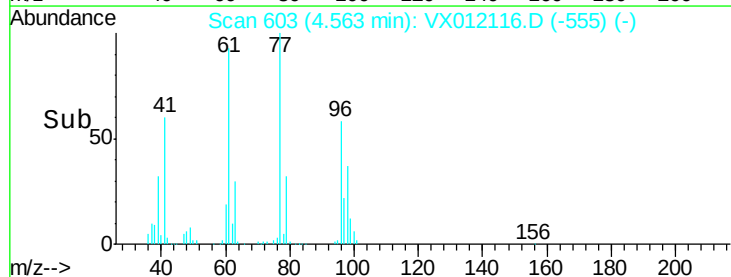
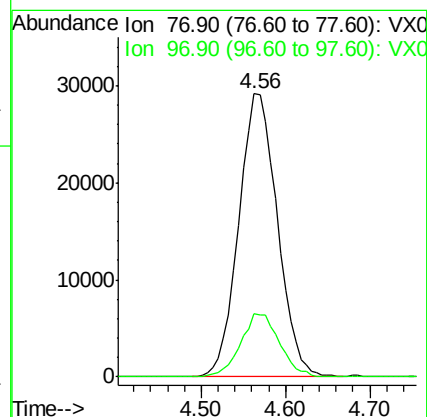
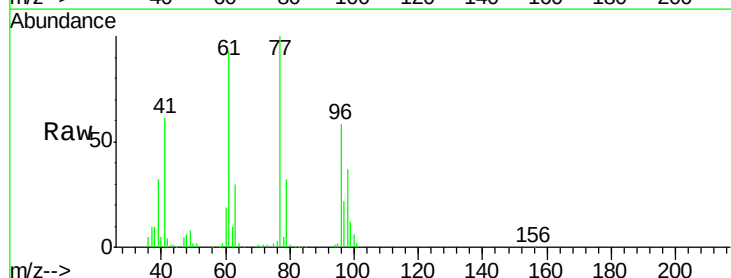
Acq: 05 Sep 2019 22:17

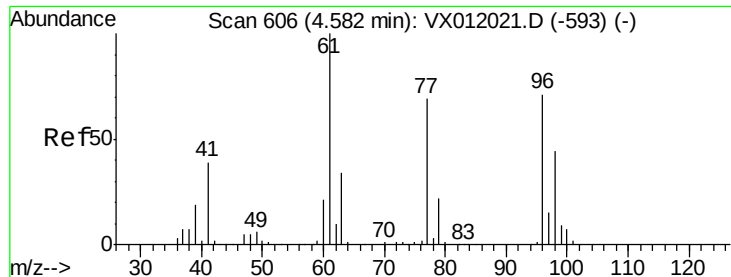
Tgt Ion: 77 Resp: 90798

Ion Ratio Lower Upper

77 100

97 22.3 11.5 34.5





#27

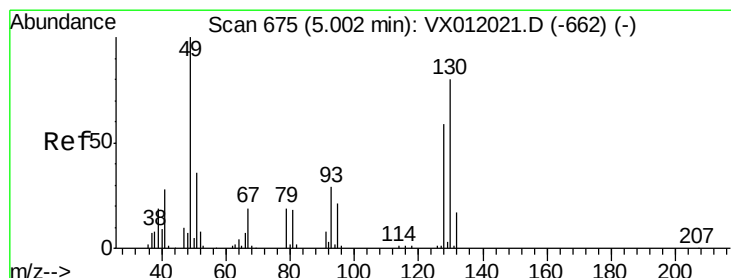
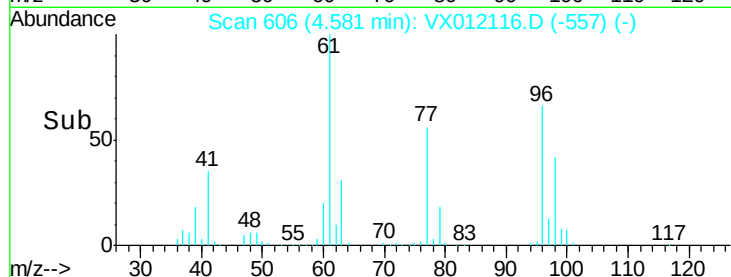
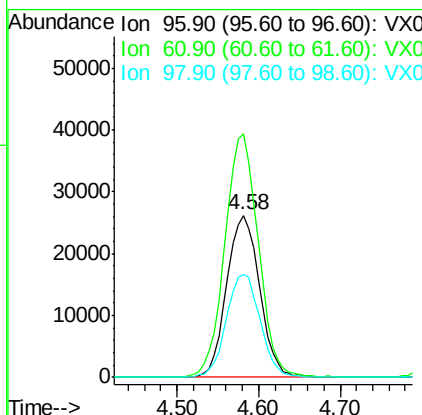
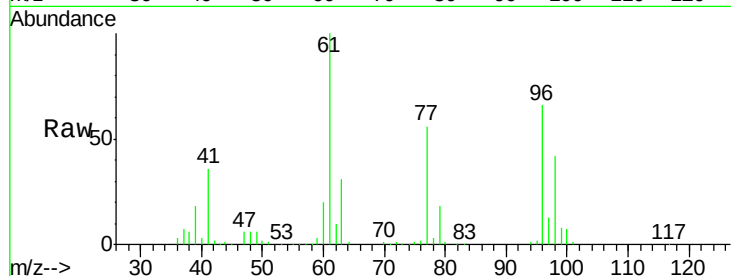
cis-1,2-Dichloroethene  
Concen: 48.463 ug/l  
RT: 4.58 min Scan# 606  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 151.7 | 0.0   | 277.0 |
| 98      | 64.9  | 0.0   | 128.4 |

Manual Integrations  
APPROVED

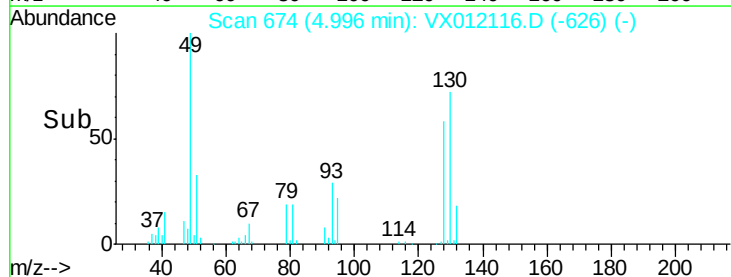
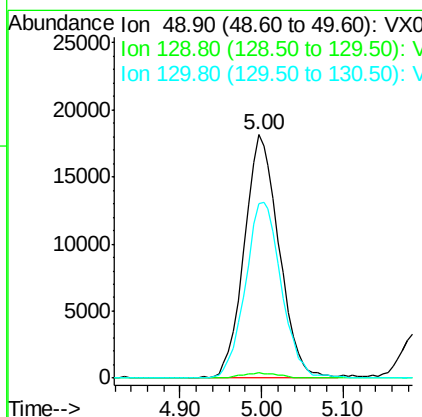
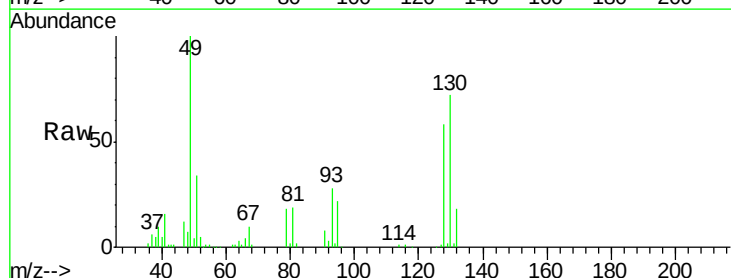
MMDadoda  
9/6/2019 12:31:40 PM

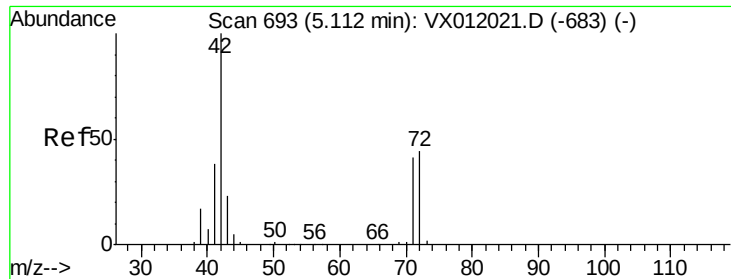


#28

Bromochloromethane  
Concen: 57.136 ug/l  
RT: 5.00 min Scan# 674  
Delta R.T. -0.01 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 49      | 100   |       |        |
| 129     | 2.1   | 0.0   | 5.6    |
| 130     | 74.9  | 76.7  | 115.1# |





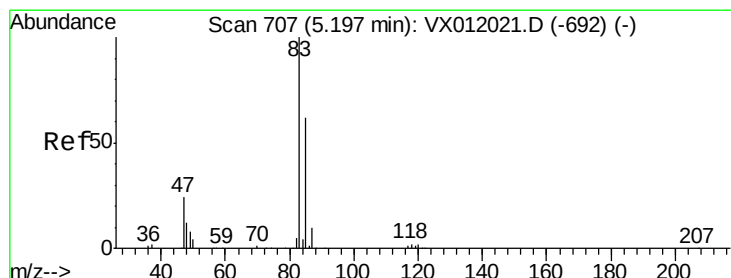
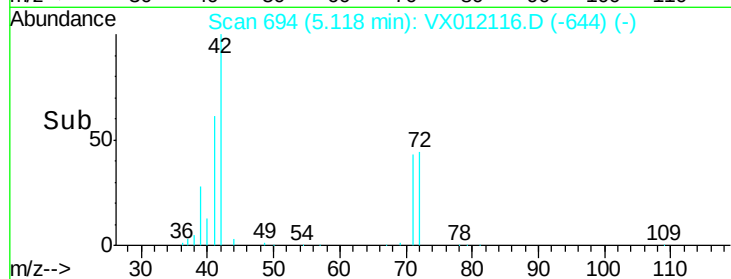
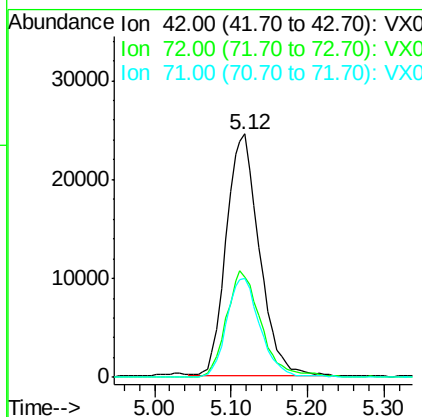
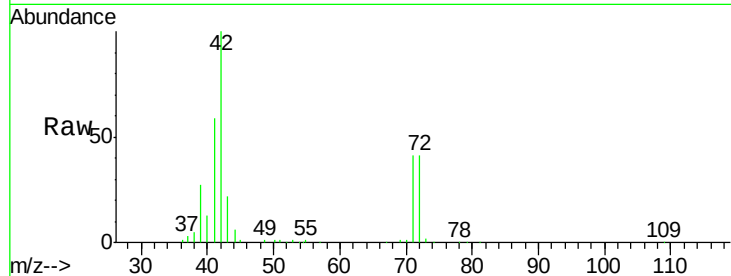
#29  
Tetrahydrofuran  
Concen: 258.732 ug/l  
RT: 5.12 min Scan# 694  
Delta R.T. 0.01 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 46.0  | 37.0  | 55.4  |
| 71      | 41.4  | 33.8  | 50.8  |

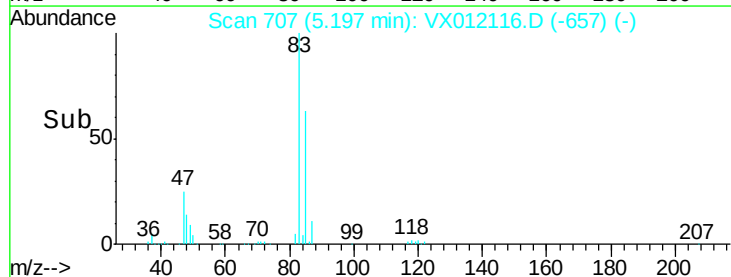
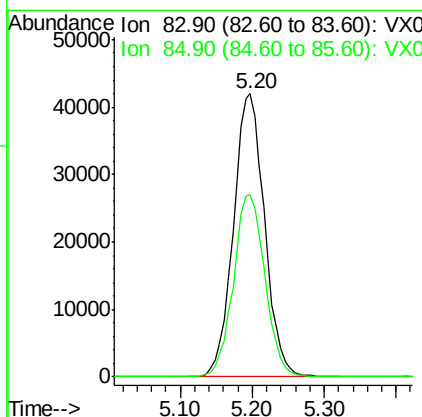
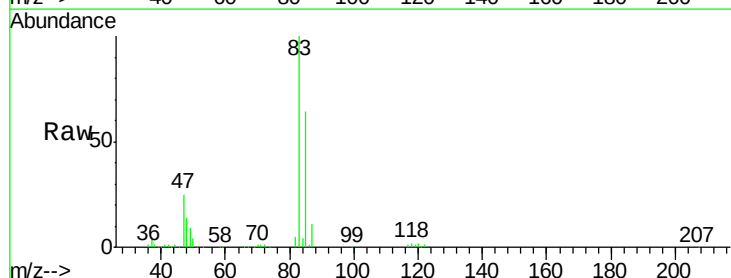
Manual Integrations  
APPROVED

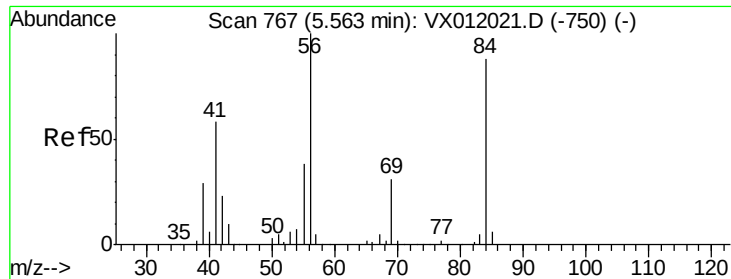
MMDadoda  
9/6/2019 12:31:40 PM



#30  
Chloroform  
Concen: 49.694 ug/l  
RT: 5.20 min Scan# 707  
Delta R.T. 0.01 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.5  | 52.6  | 78.8  |





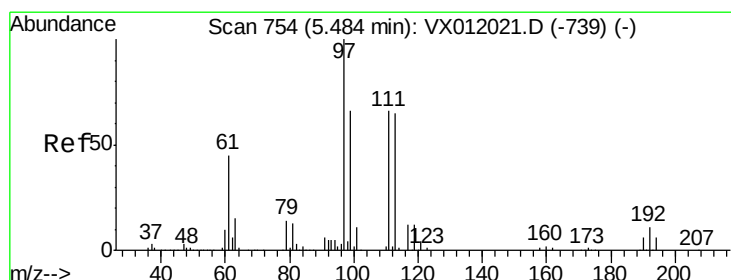
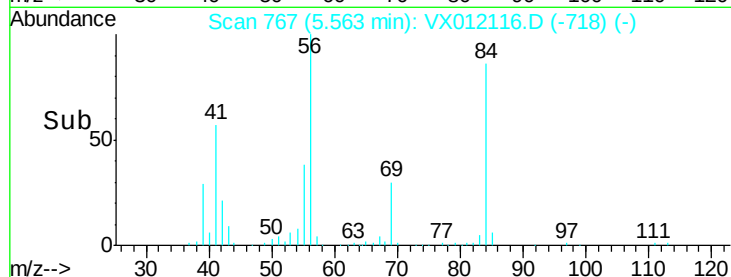
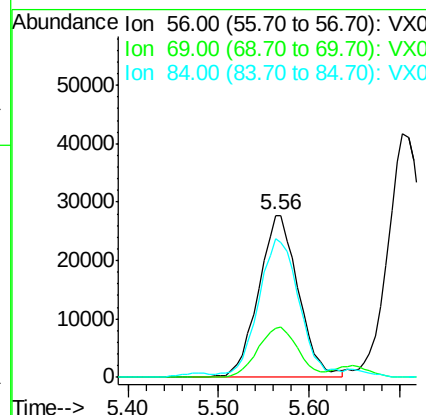
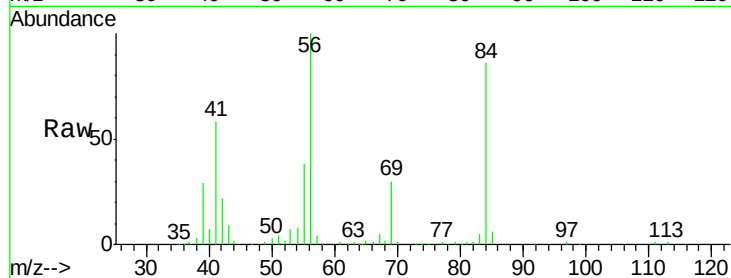
#31  
Cyclohexane  
Concen: 44.440 ug/l  
RT: 5.56 min Scan# 767  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 30.2  | 25.7  | 38.5  |
| 84      | 83.5  | 70.3  | 105.5 |

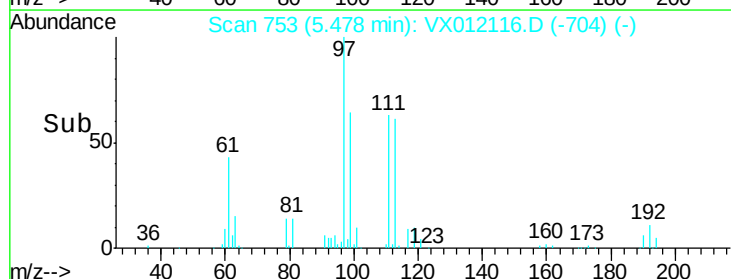
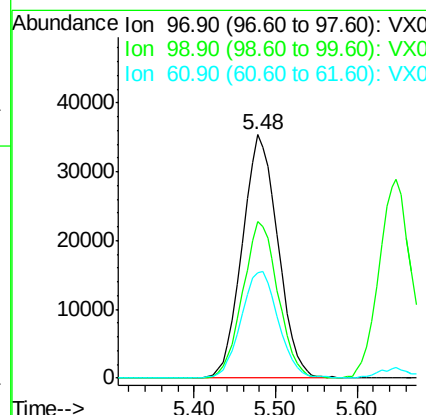
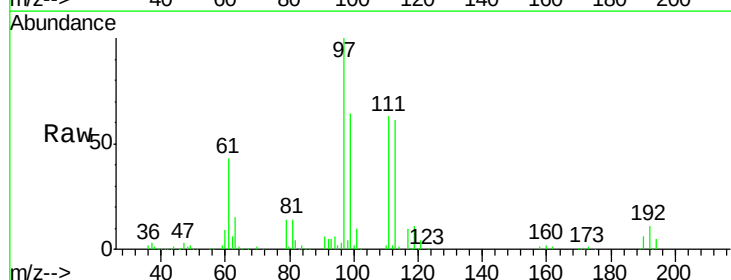
Manual Integrations  
APPROVED

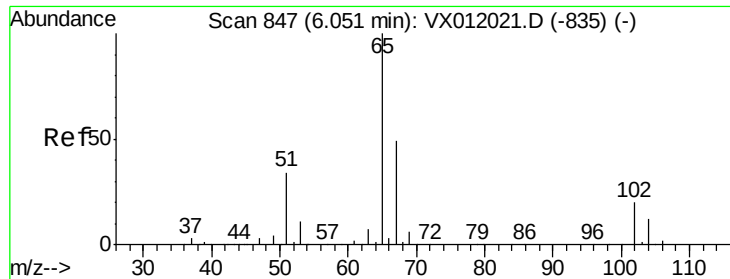
MMDadoda  
9/6/2019 12:31:40 PM



#32  
1,1,1-Trichloroethane  
Concen: 48.755 ug/l  
RT: 5.48 min Scan# 753  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.7  | 52.1  | 78.1  |
| 61      | 45.7  | 32.8  | 49.2  |





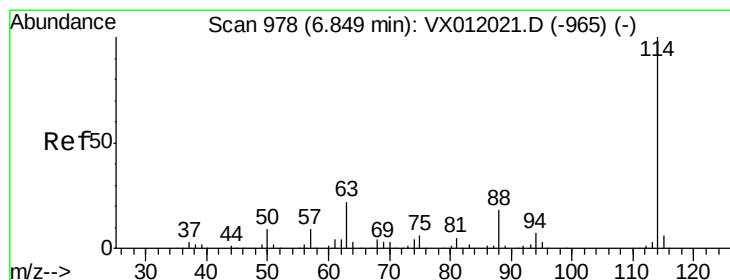
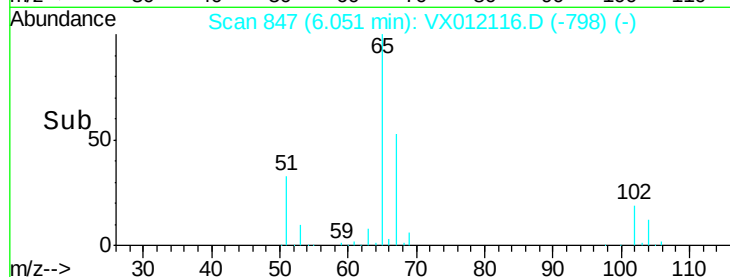
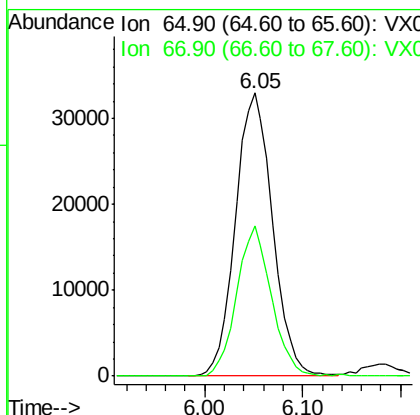
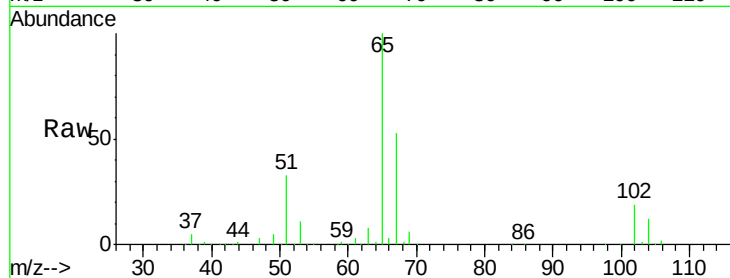
#33  
 1,2-Dichloroethane-d4  
 Concen: 56.070 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. -0.00 min  
 Lab File: VX012116.D  
 Acq: 05 Sep 2019 22:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 49.7  | 0.0   | 102.0 |

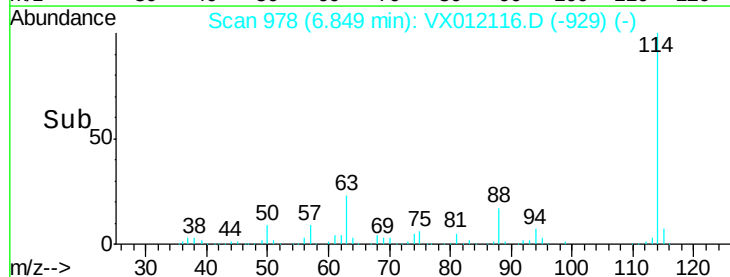
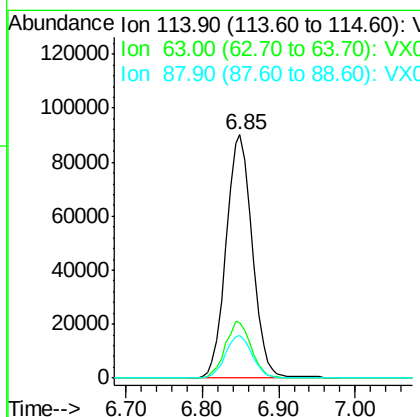
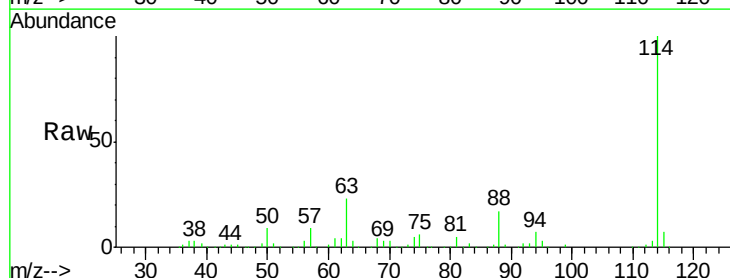
Manual Integrations  
 APPROVED

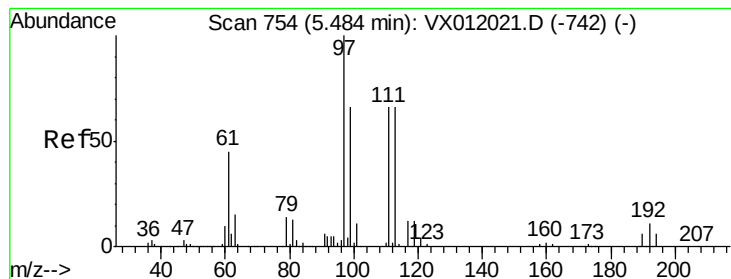
MMDadoda  
 9/6/2019 12:31:40 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. -0.00 min  
 Lab File: VX012116.D  
 Acq: 05 Sep 2019 22:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 23.0  | 0.0   | 37.4  |
| 88      | 17.4  | 0.0   | 29.6  |





#35

Dibromofluoromethane

Concen: 50.157 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 65933

Ion Ratio Lower Upper

113 100

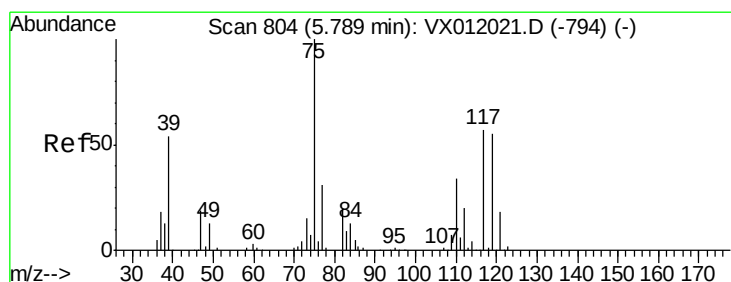
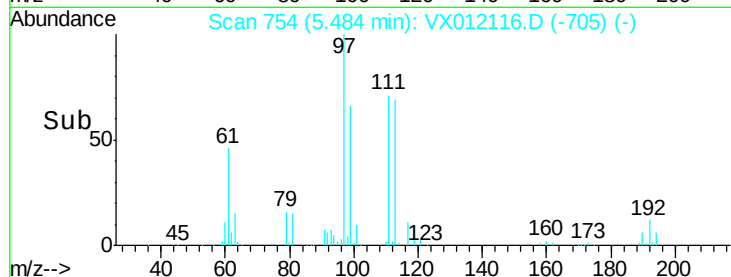
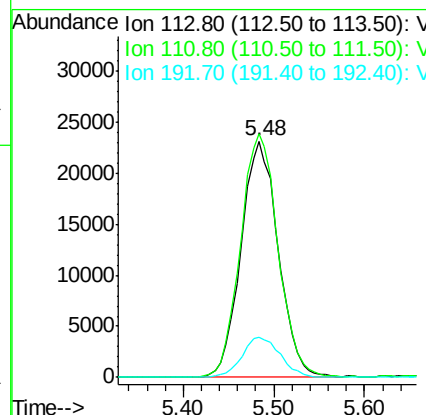
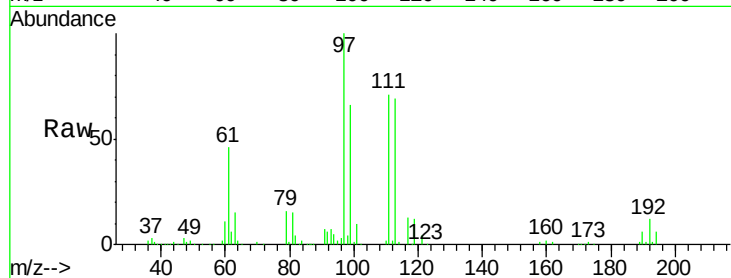
111 104.0 81.7 122.5

192 17.5 22.5 33.7#

Manual Integrations  
APPROVED

MMDadoda

9/6/2019 12:31:40 PM



#36

1,1-Dichloropropene

Concen: 45.204 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

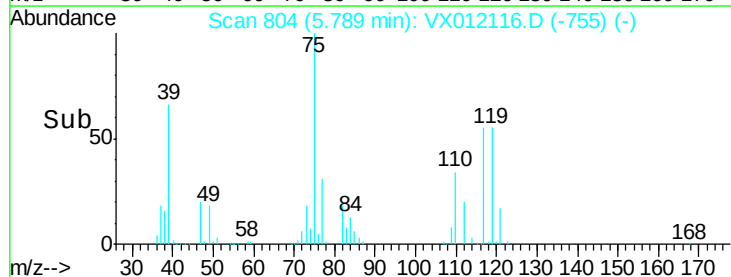
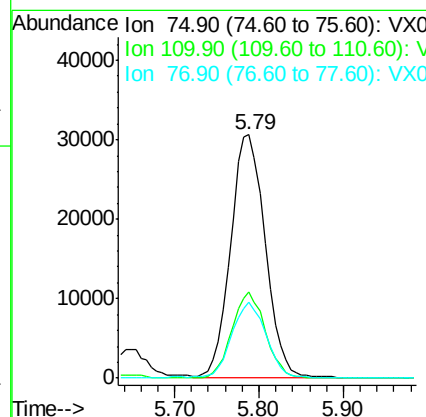
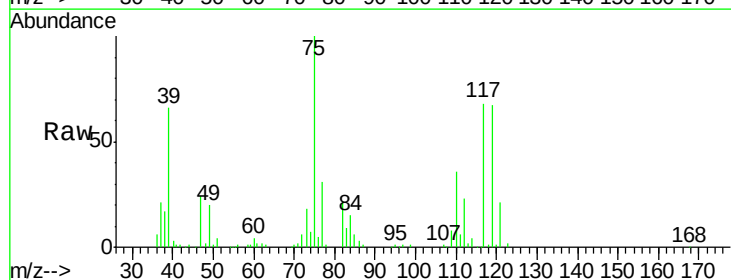
Tgt Ion: 75 Resp: 85102

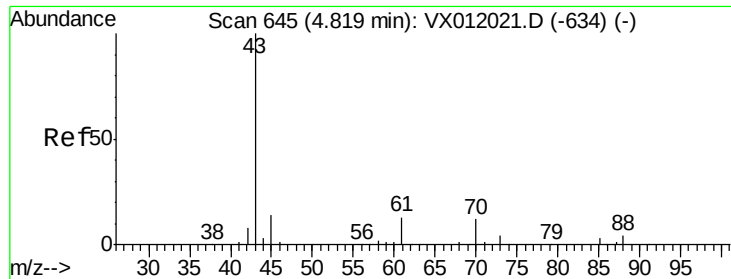
Ion Ratio Lower Upper

75 100

110 34.1 19.5 58.5

77 31.3 24.6 37.0





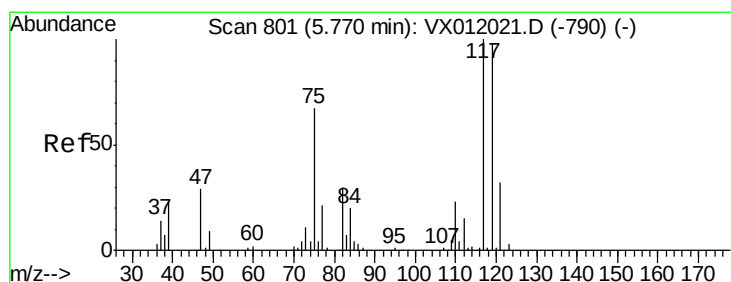
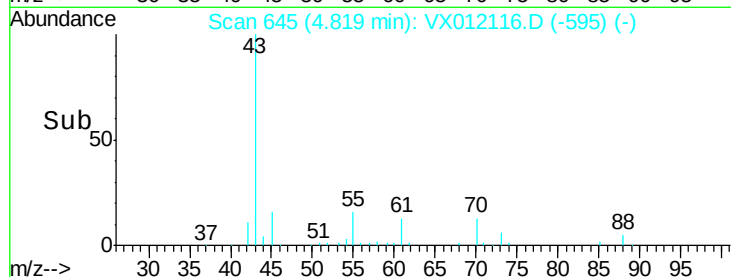
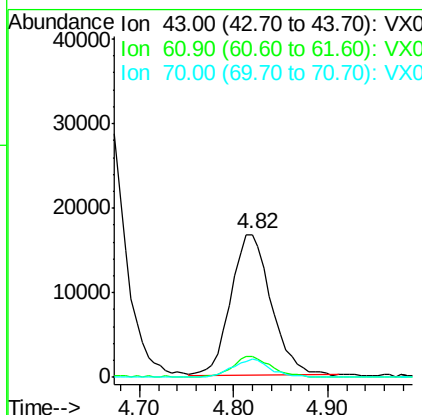
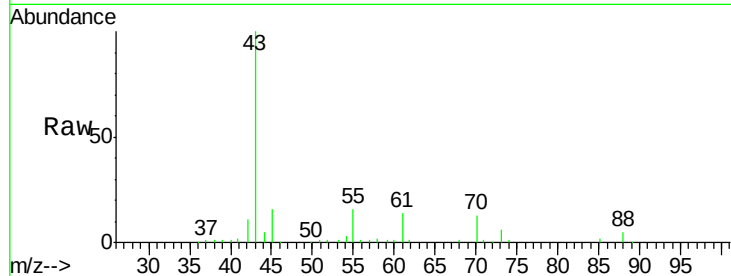
#37  
Ethyl Acetate  
Concen: 48.425 ug/l  
RT: 4.82 min Scan# 645  
Delta R.T. 0.01 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.5  | 10.9  | 16.3  |
| 70      | 12.3  | 9.4   | 14.0  |

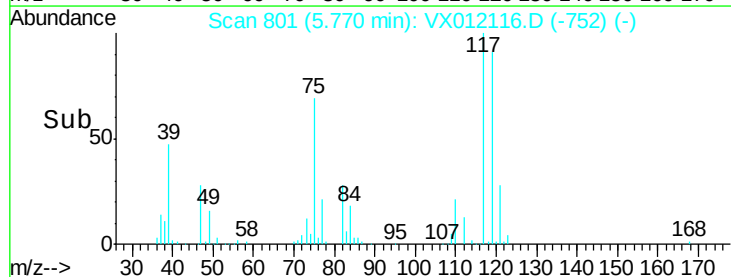
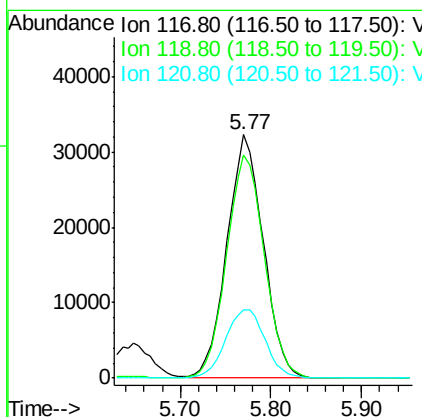
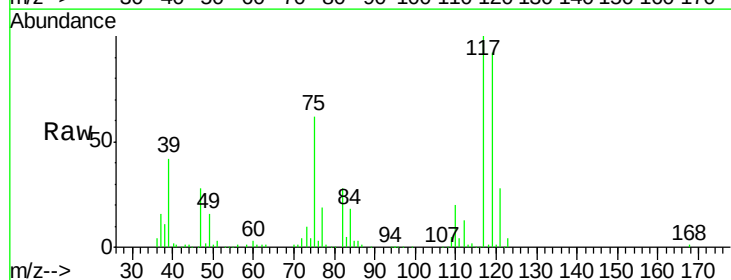
Manual Integrations  
APPROVED

MMDadoda  
9/6/2019 12:31:40 PM

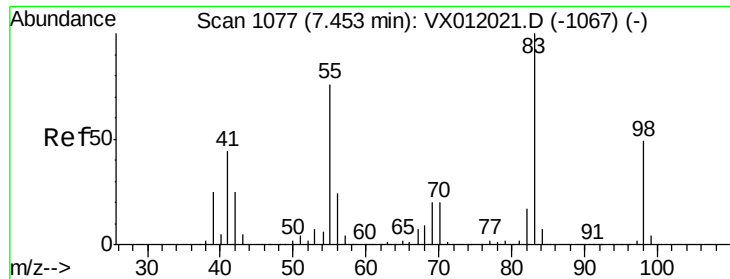


#38  
Carbon Tetrachloride  
Concen: 45.424 ug/l  
RT: 5.77 min Scan# 801  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 91.5  | 78.3  | 117.5 |
| 121     | 28.1  | 24.2  | 36.2  |







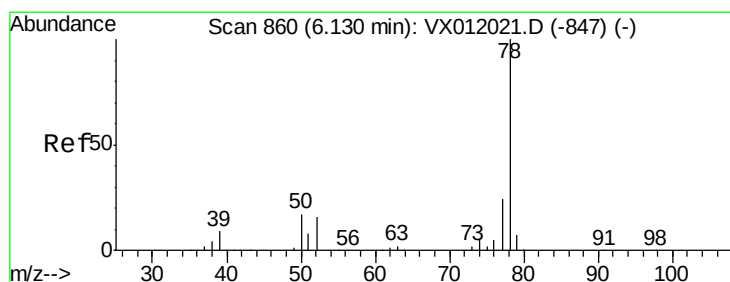
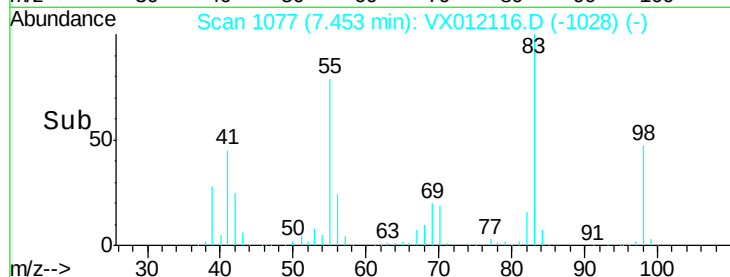
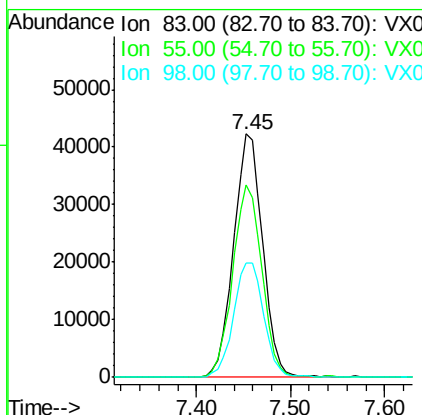
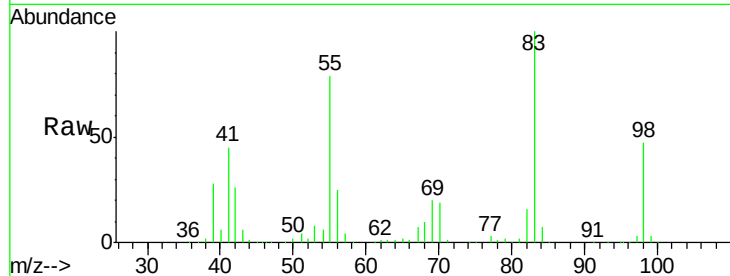
#39  
Methylvlcyclohexane  
Concen: 41.683 ug/l  
RT: 7.45 min Scan# 1077  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 83   | Resp  | 91077 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 55        | 78.7 | 59.6  | 89.4  |
| 98        | 47.0 | 41.4  | 62.0  |

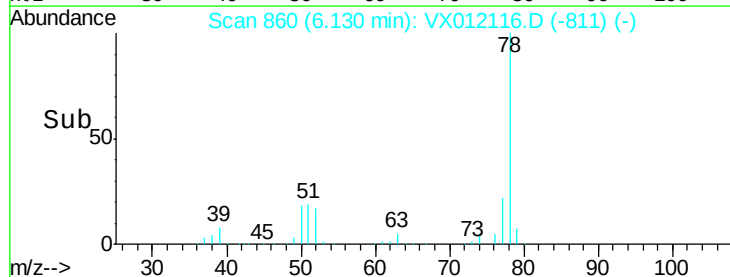
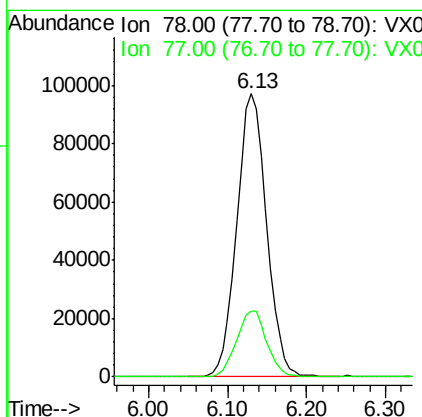
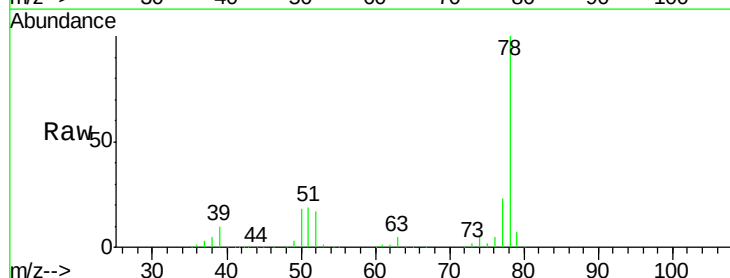
Manual Integrations  
APPROVED

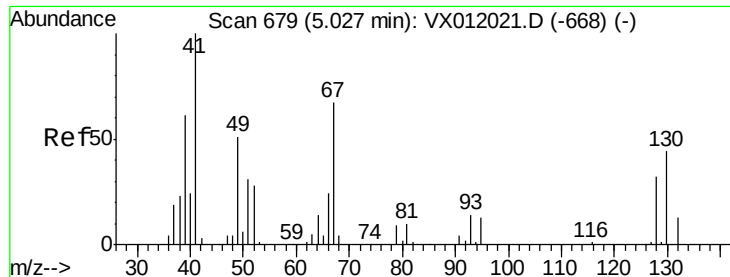
MMDadoda  
9/6/2019 12:31:40 PM



#40  
Benzene  
Concen: 47.252 ug/l  
RT: 6.13 min Scan# 860  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

| Tgt Ion   | 78   | Resp  | 255383 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 78        | 100  |       |        |
| 77        | 23.1 | 19.3  | 28.9   |





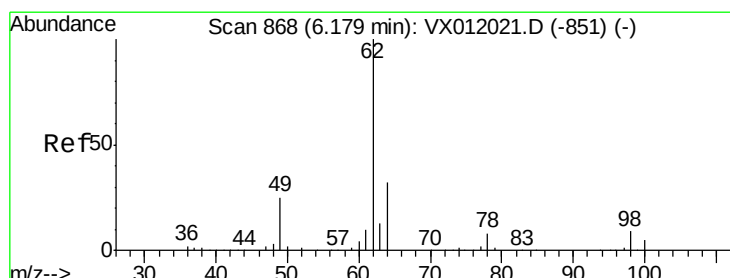
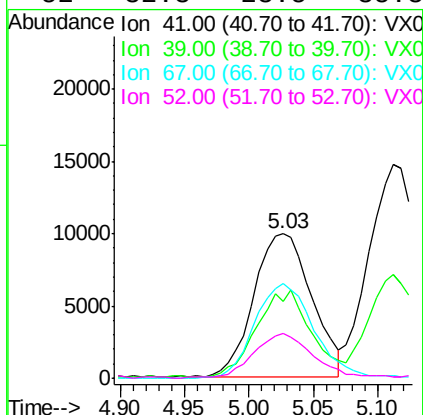
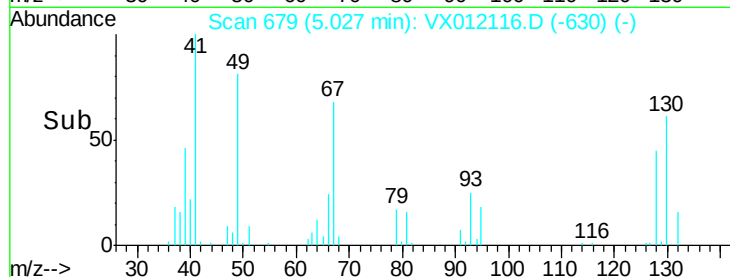
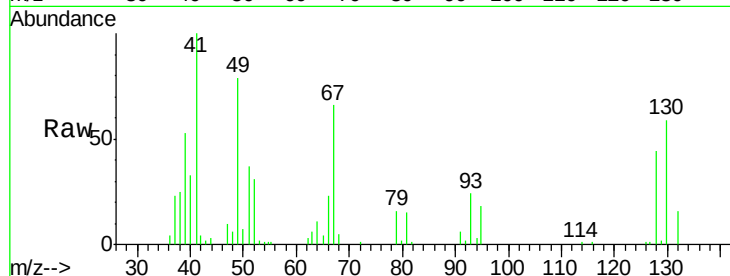
#41  
Methacrylonitrile  
Concen: 50.778 ug/l  
RT: 5.03 min Scan# 679  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 57.2 | 46.7  | 70.1  |       |
| 67      | 67.7 | 57.0  | 85.6  |       |
| 52      | 32.3 | 23.5  | 35.3  |       |

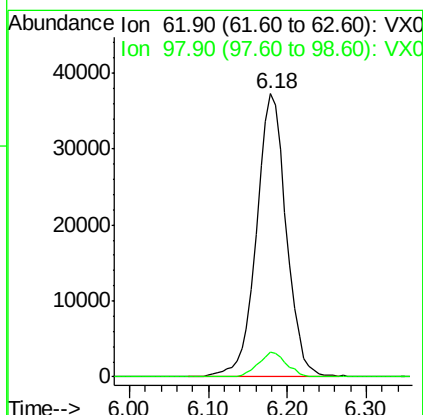
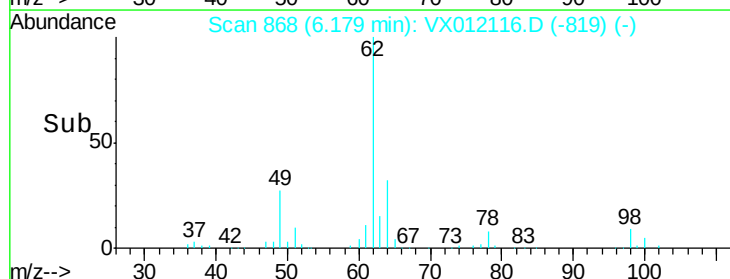
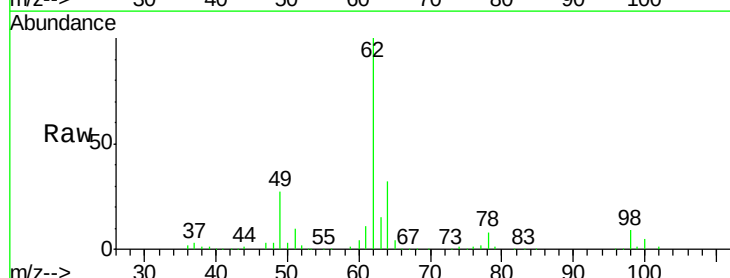
Manual Integrations  
APPROVED

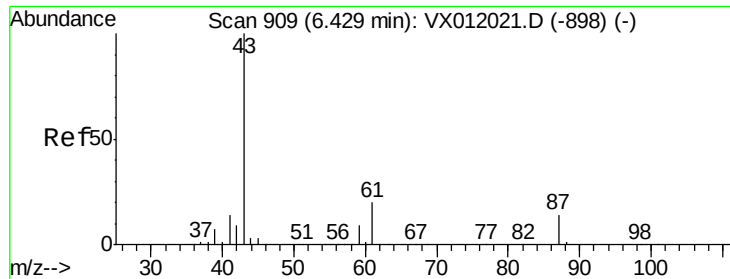
MMDadoda  
9/6/2019 12:31:40 PM



#42  
1,2-Dichloroethane  
Concen: 50.373 ug/l  
RT: 6.18 min Scan# 868  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.4 | 0.0   | 19.2  |       |





#43

Isopropyl Acetate

Concen: 49.641 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.01 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA\_X

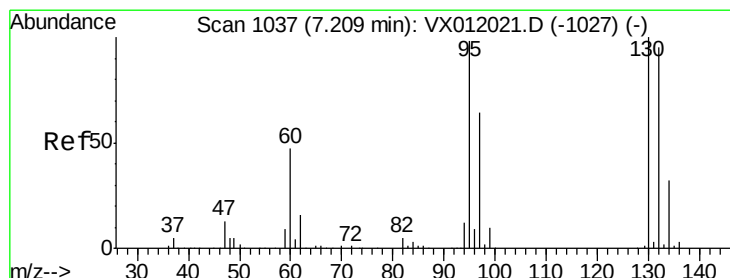
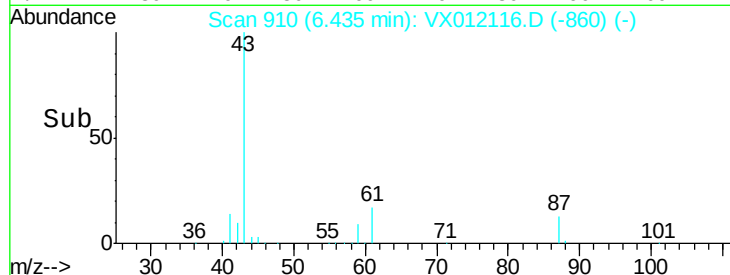
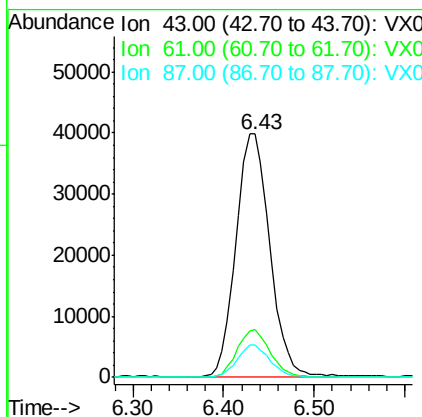
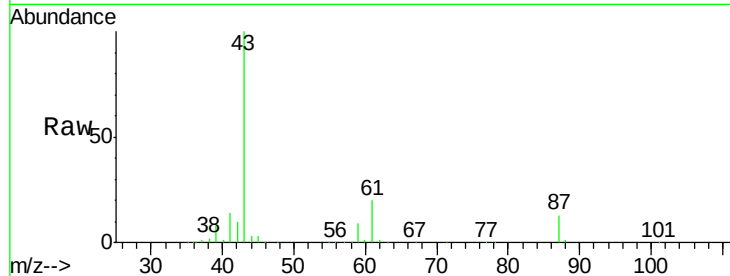
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 103335 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 19.3  | 16.1  | 24.1   |
| 87       | 12.8  | 11.3  | 16.9   |

Manual Integrations  
APPROVED

MMDadoda  
9/6/2019 12:31:40 PM



#44

Trichloroethene

Concen: 46.415 ug/l

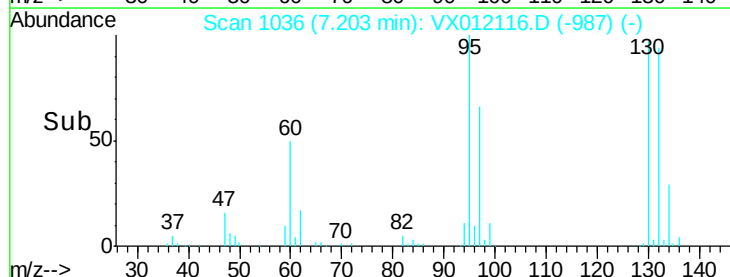
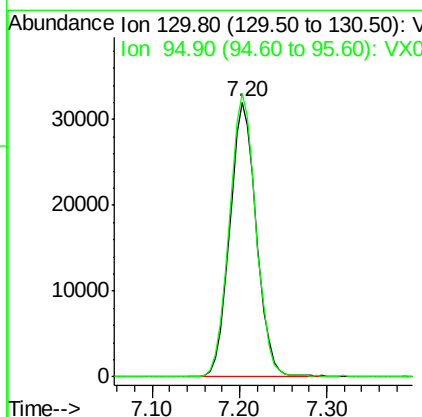
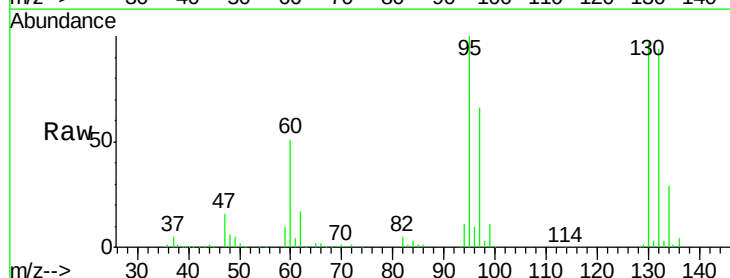
RT: 7.20 min Scan# 1036

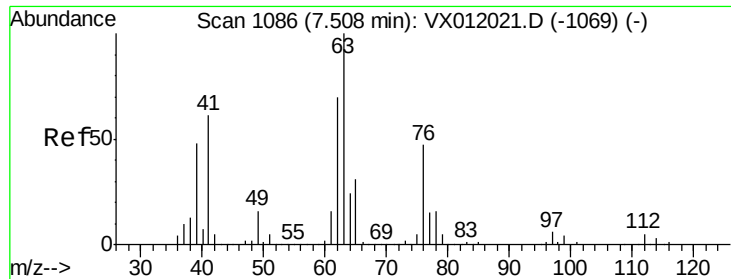
Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 67661 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 103.1 | 0.0   | 176.4 |





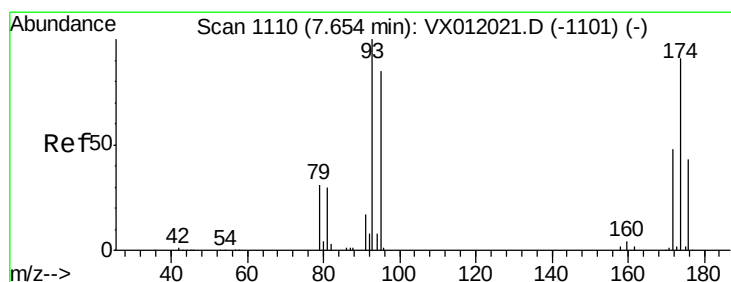
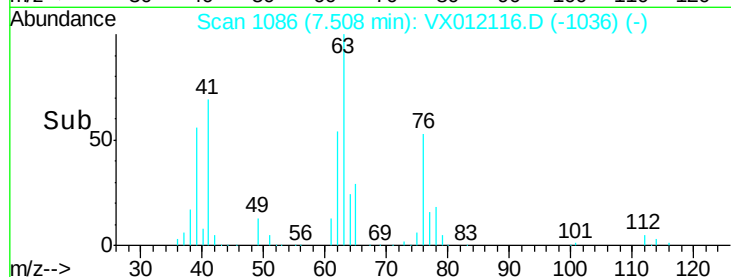
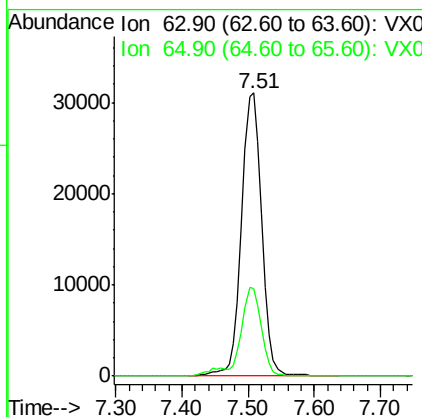
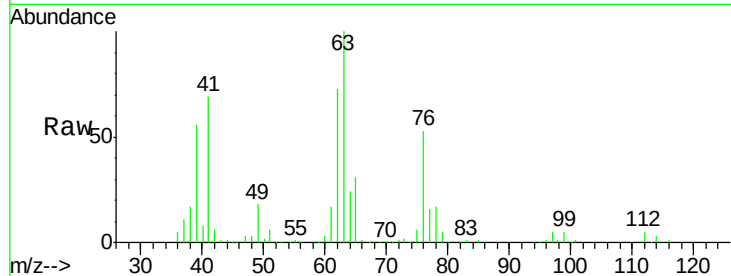
#45  
 1,2-Dichloropropane  
 Concen: 47.340 ug/l  
 RT: 7.51 min Scan# 1086  
 Delta R.T. 0.01 min  
 Lab File: VX012116.D  
 Acq: 05 Sep 2019 22:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 63 Resp: 66104  
 Ion Ratio Lower Upper  
 63 100  
 65 31.1 25.0 37.6

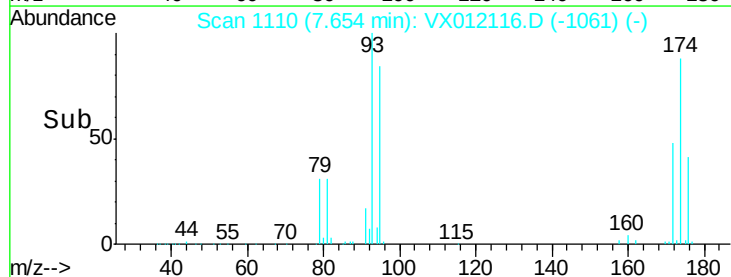
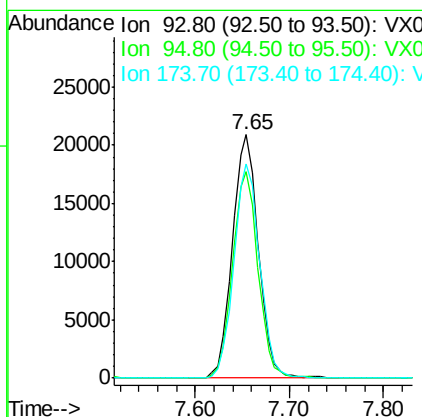
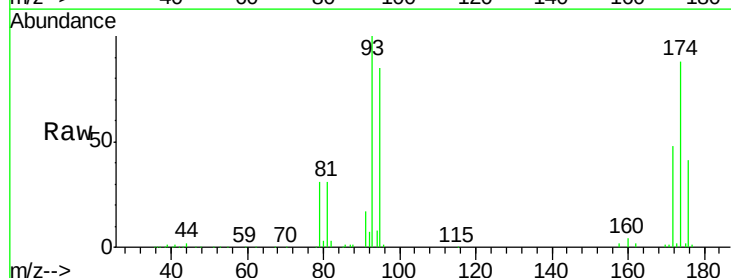
Manual Integrations  
 APPROVED

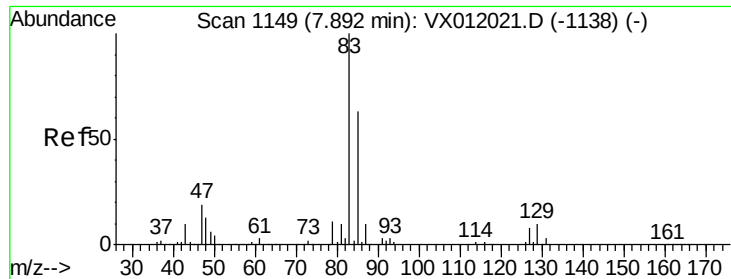
MMDadoda  
 9/6/2019 12:31:40 PM



#46  
 Dibromomethane  
 Concen: 49.132 ug/l  
 RT: 7.65 min Scan# 1110  
 Delta R.T. -0.00 min  
 Lab File: VX012116.D  
 Acq: 05 Sep 2019 22:17

Tgt Ion: 93 Resp: 40050  
 Ion Ratio Lower Upper  
 93 100  
 95 83.4 66.2 99.2  
 174 87.6 110.2 165.4#





#47

Bromodichloromethane

Concen: 47.619 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA\_X

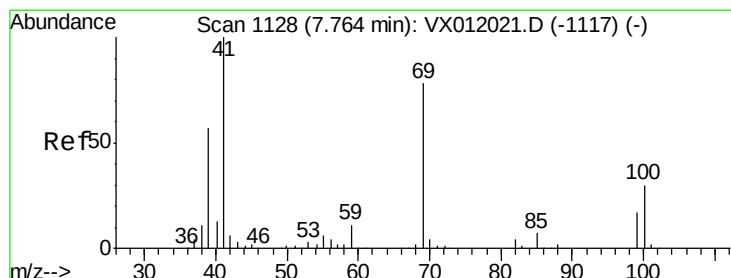
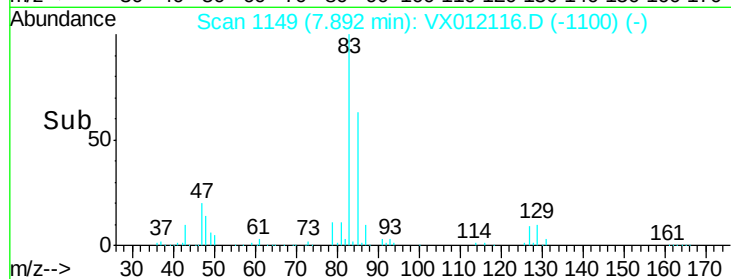
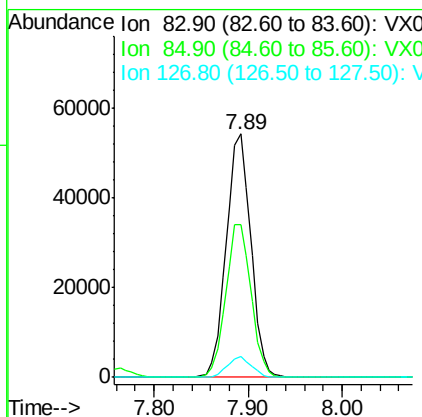
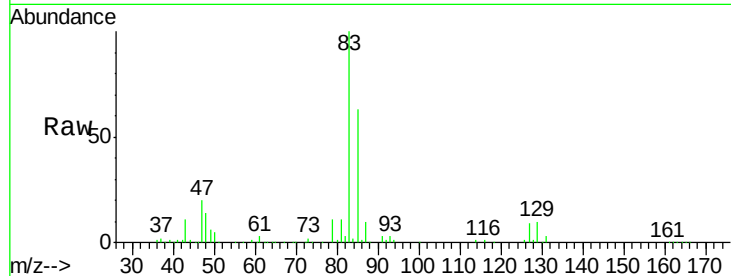
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 98666 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 62.8  | 50.3  | 75.5  |
| 127      | 8.5   | 8.1   | 12.1  |

Manual Integrations  
APPROVED

MMDadoda  
9/6/2019 12:31:40 PM



#48

Methyl methacrylate

Concen: 49.845 ug/l

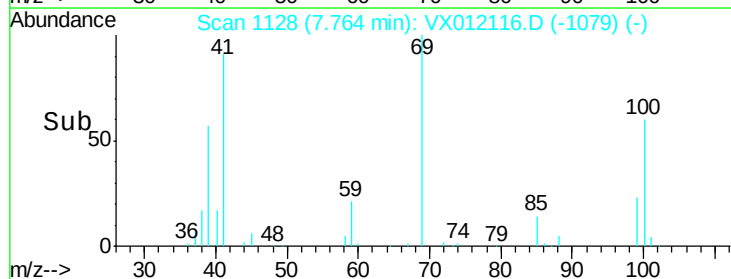
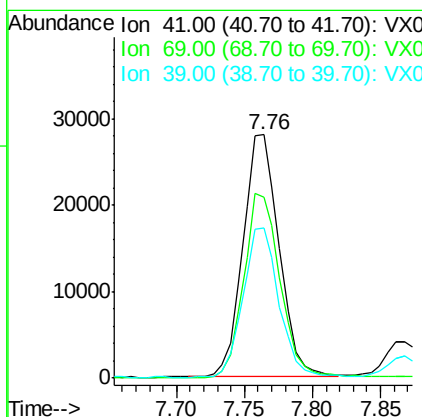
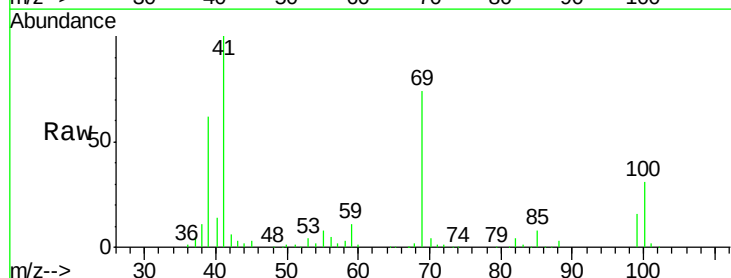
RT: 7.76 min Scan# 1128

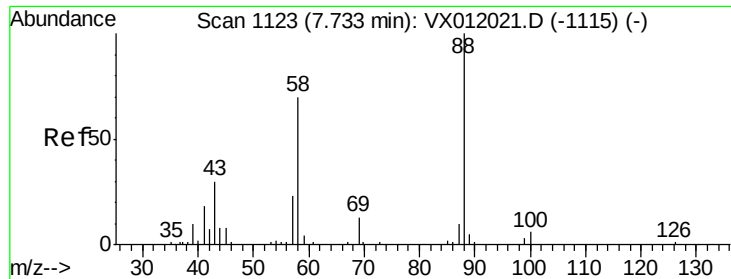
Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 52171 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 77.6  | 66.3  | 99.5  |
| 39       | 61.9  | 48.1  | 72.1  |





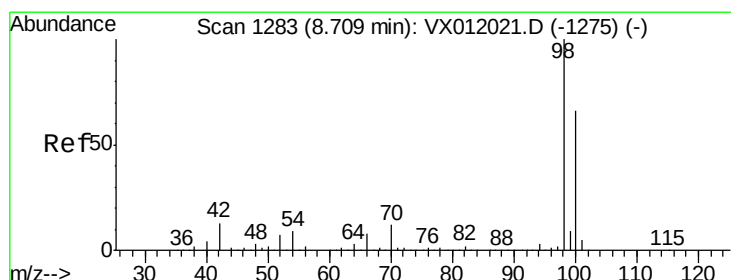
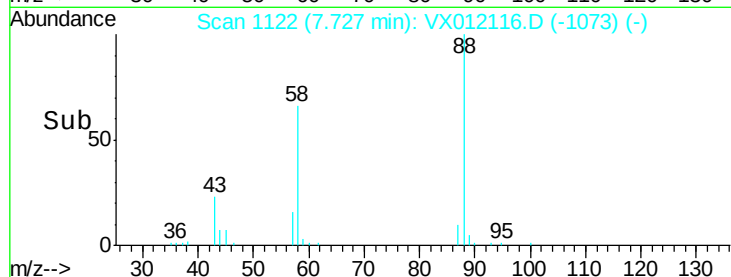
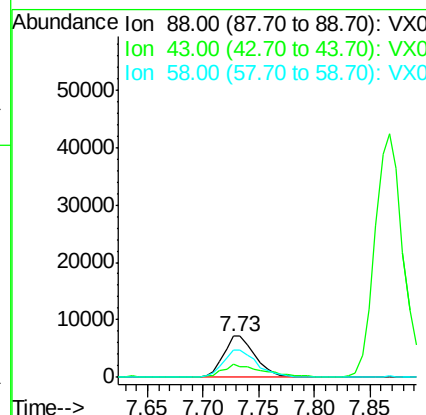
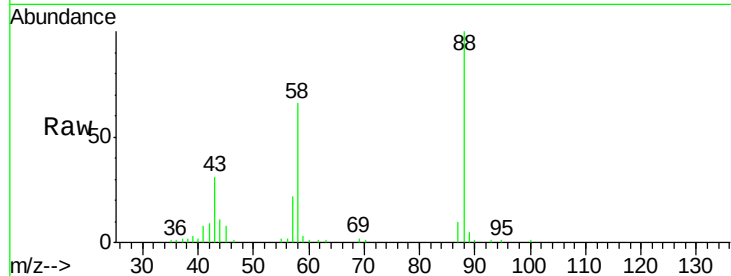
#49  
1,4-Dioxane  
Concen: 994.165 ug/l  
RT: 7.73 min Scan# 1122  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 37.7  | 29.8  | 44.6  |
| 58      | 72.4  | 55.4  | 83.2  |

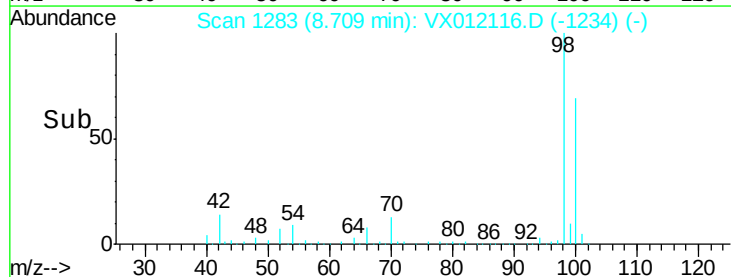
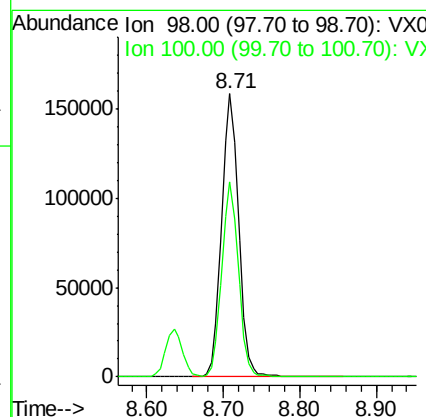
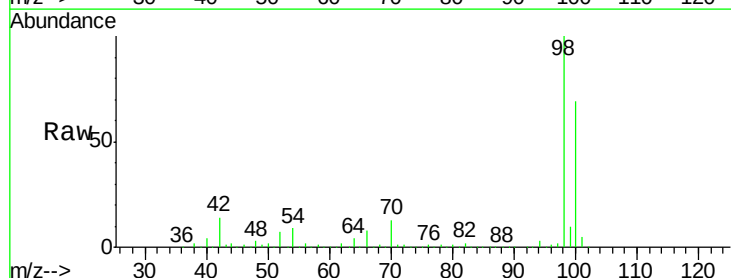
Manual Integrations  
APPROVED

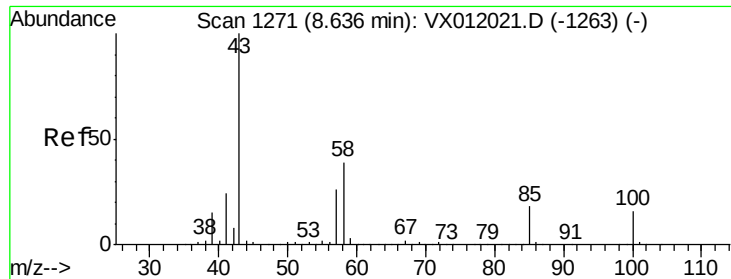
MMDadoda  
9/6/2019 12:31:40 PM



#50  
Toluene-d8  
Concen: 50.953 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 67.5  | 53.3  | 79.9  |





#51

4-Methyl-2-Pentanone

Concen: 255.758 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 270796

Ion Ratio Lower Upper

43 100

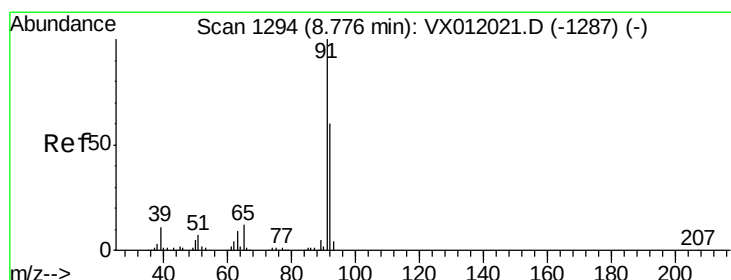
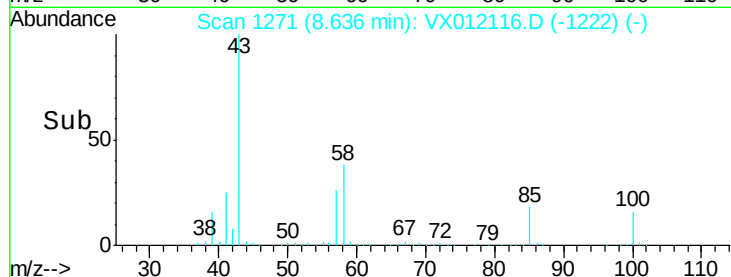
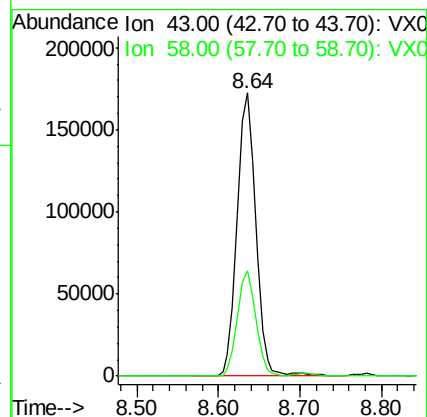
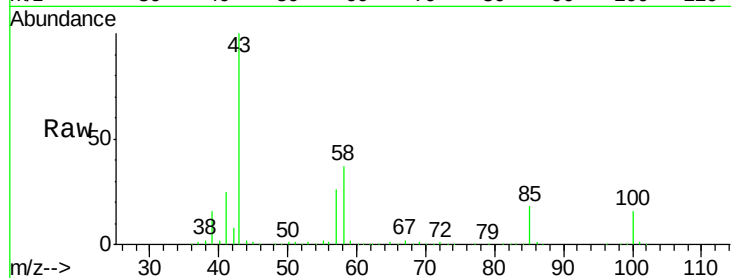
58 36.7 31.5 47.3

Manual Integrations

APPROVED

MMDadoda

9/6/2019 12:31:40 PM



#52

Toluene

Concen: 47.156 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012116.D

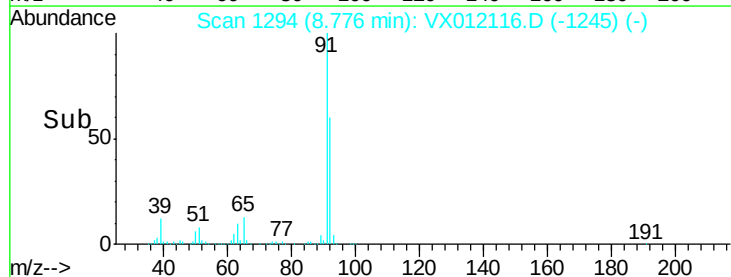
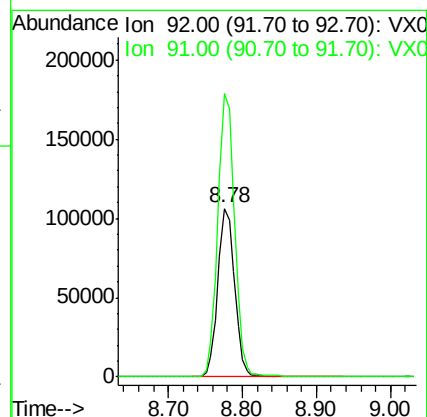
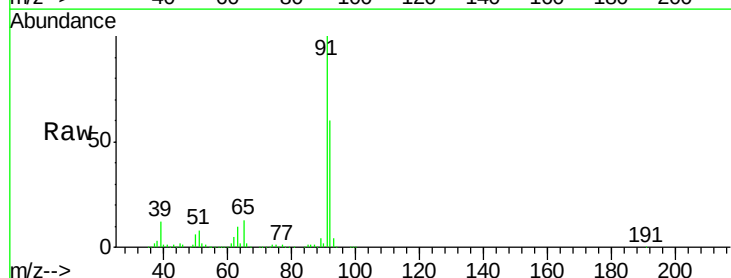
Acq: 05 Sep 2019 22:17

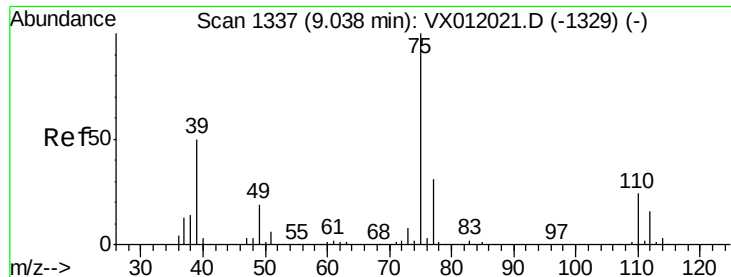
Tgt Ion: 92 Resp: 165825

Ion Ratio Lower Upper

92 100

91 168.5 136.0 204.0





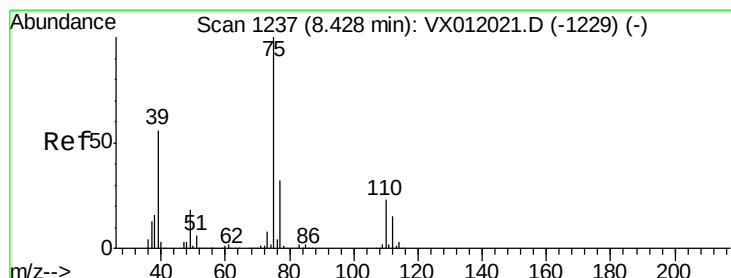
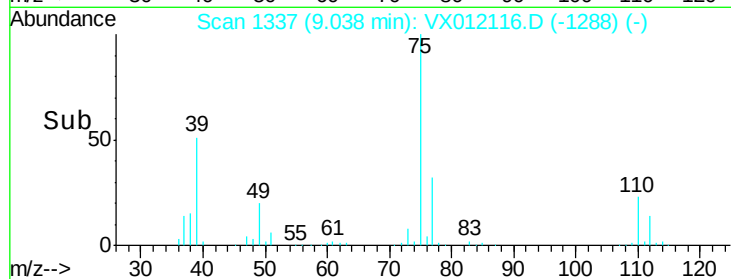
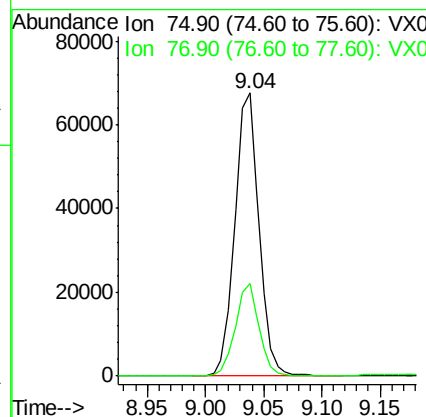
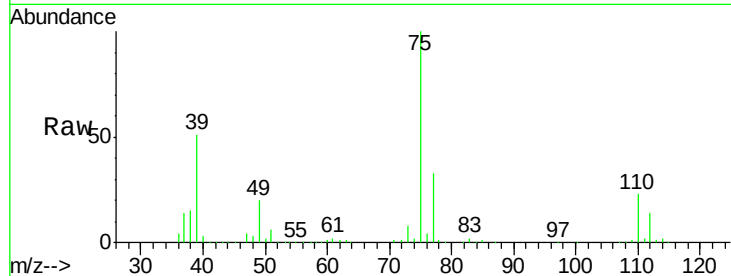
#53  
t-1,3-Dichloropropene  
Concen: 45.640 ug/l  
RT: 9.04 min Scan# 1337  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 75 Resp: 97904  
Ion Ratio Lower Upper  
75 100  
77 32.5 25.1 37.7

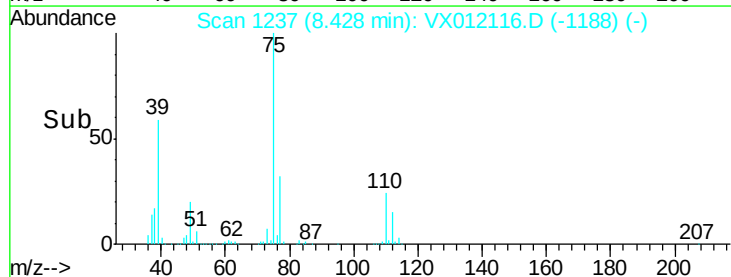
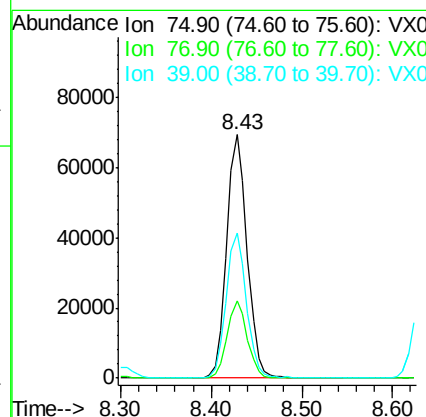
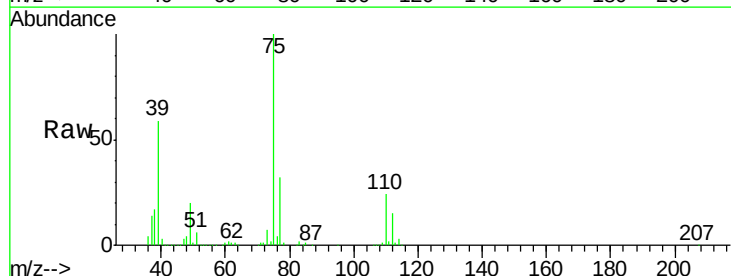
Manual Integrations  
APPROVED

MMDadoda  
9/6/2019 12:31:40 PM

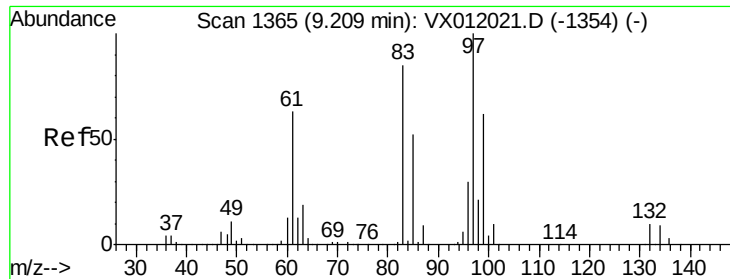


#54  
cis-1,3-Dichloropropene  
Concen: 45.580 ug/l  
RT: 8.43 min Scan# 1237  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Tgt Ion: 75 Resp: 108728  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.5 38.3  
39 59.3 43.0 64.4







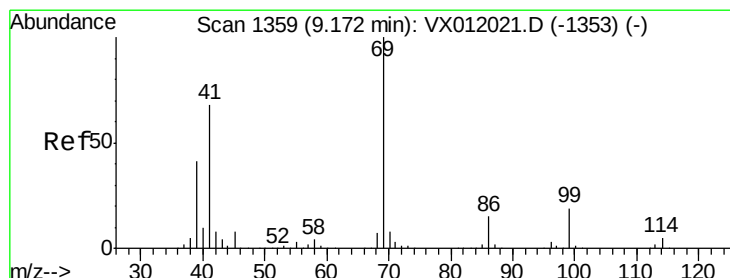
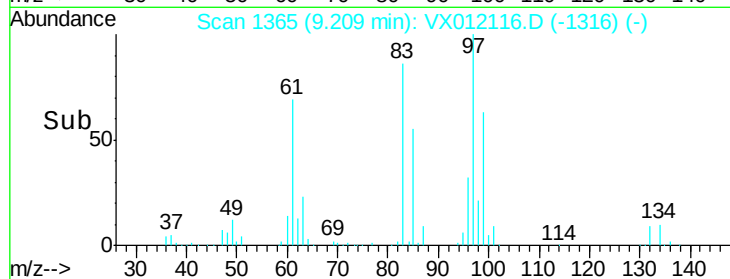
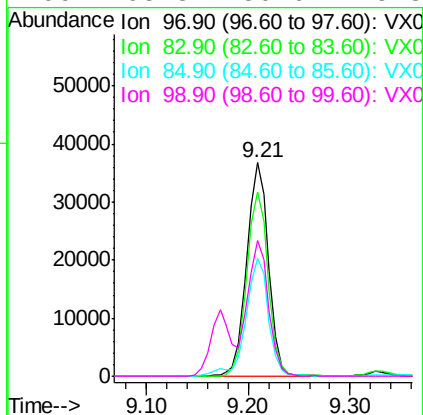
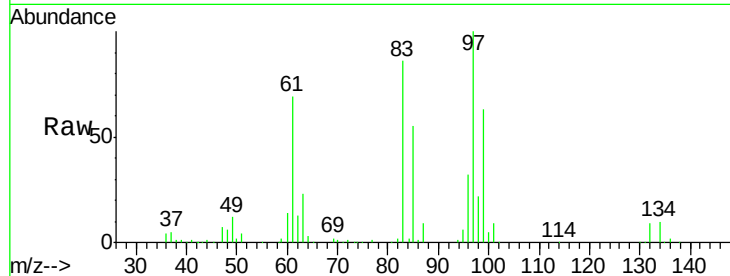
#55  
 1,1,2-Trichloroethane  
 Concen: 47.174 ug/l  
 RT: 9.21 min Scan# 1365  
 Delta R.T. -0.00 min  
 Lab File: VX012116.D  
 Acq: 05 Sep 2019 22:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 54976 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.3  | 66.0  | 99.0  |
| 85       | 55.0  | 41.0  | 61.6  |
| 99       | 63.3  | 50.6  | 75.8  |

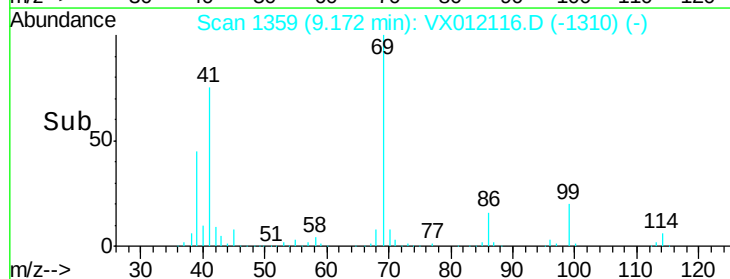
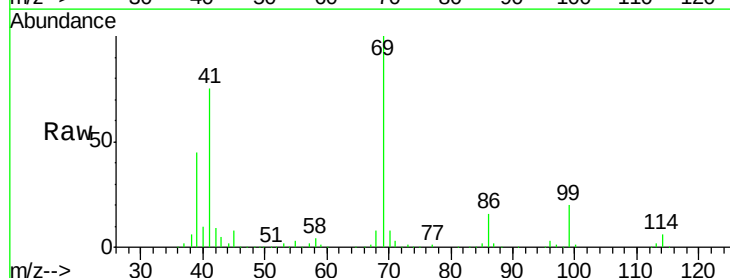
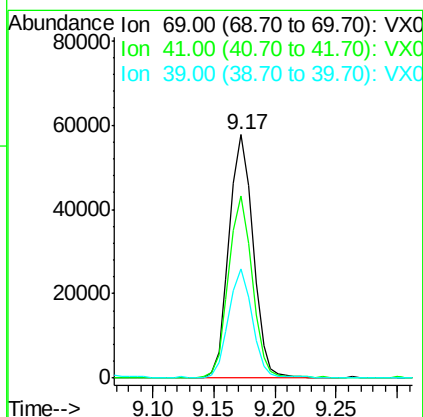
Manual Integrations  
 APPROVED

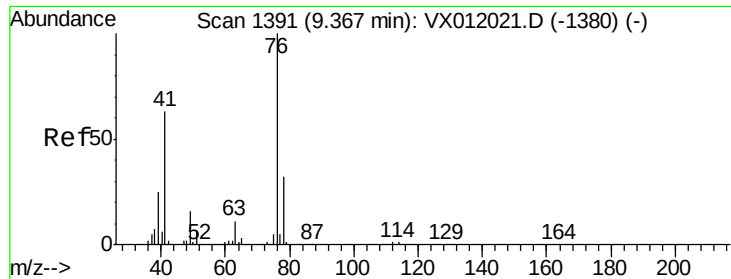
MMDadoda  
 9/6/2019 12:31:40 PM



#56  
 Ethyl methacrylate  
 Concen: 47.543 ug/l  
 RT: 9.17 min Scan# 1359  
 Delta R.T. -0.00 min  
 Lab File: VX012116.D  
 Acq: 05 Sep 2019 22:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 79363 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 72.9  | 53.9  | 80.9  |
| 39       | 43.4  | 31.1  | 46.7  |





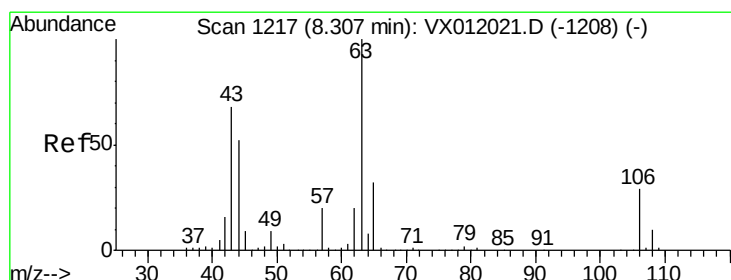
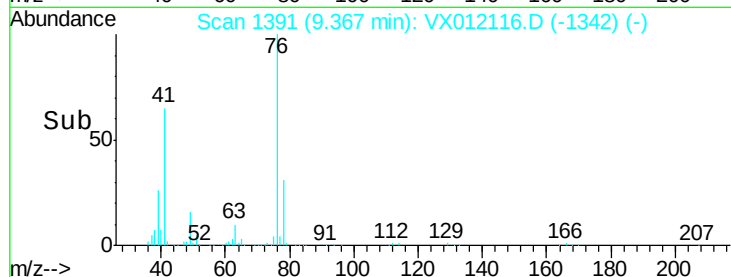
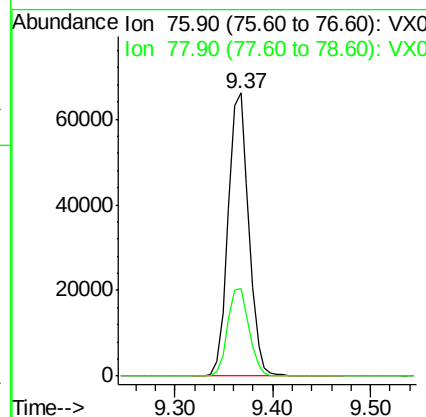
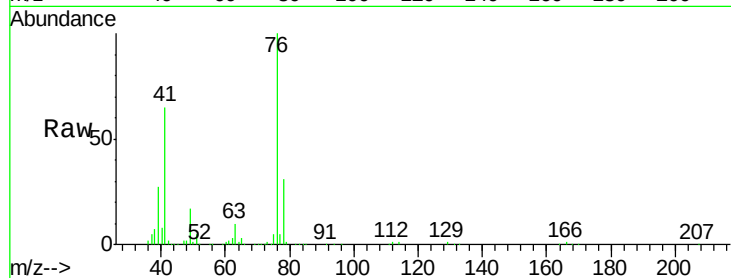
#57  
 1,3-Dichloropropane  
 Concen: 48.045 ug/l  
 RT: 9.37 min Scan# 1391  
 Delta R.T. -0.00 min  
 Lab File: VX012116.D  
 Acq: 05 Sep 2019 22:17

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.1  | 25.5  | 38.3  |

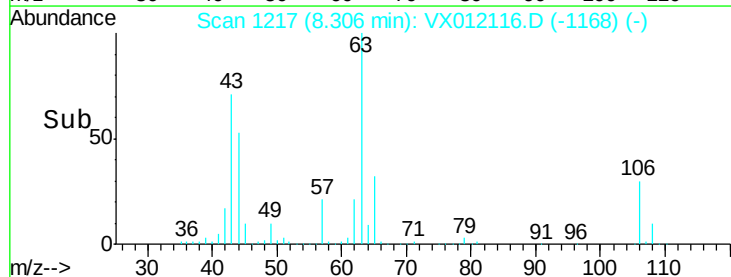
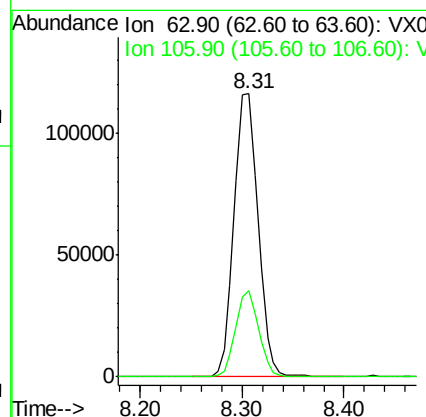
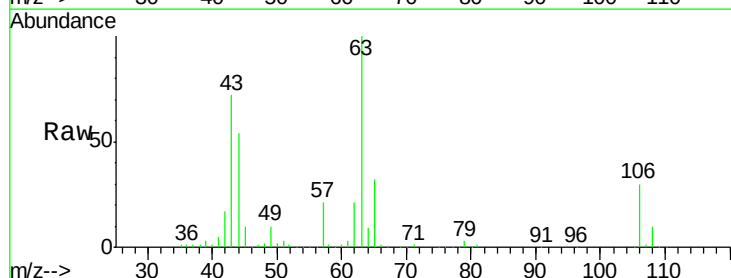
Manual Integrations  
 APPROVED

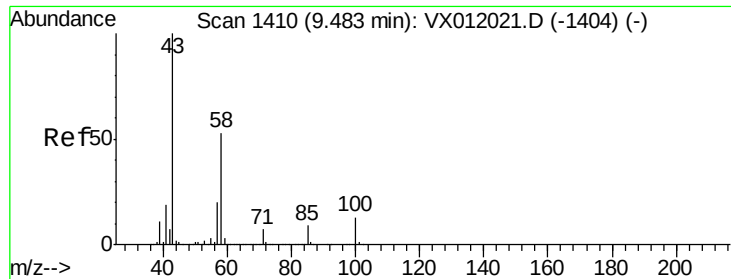
MMDadoda  
 9/6/2019 12:31:40 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 251.430 ug/l  
 RT: 8.31 min Scan# 1217  
 Delta R.T. -0.00 min  
 Lab File: VX012116.D  
 Acq: 05 Sep 2019 22:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 29.4  | 26.5  | 39.7  |





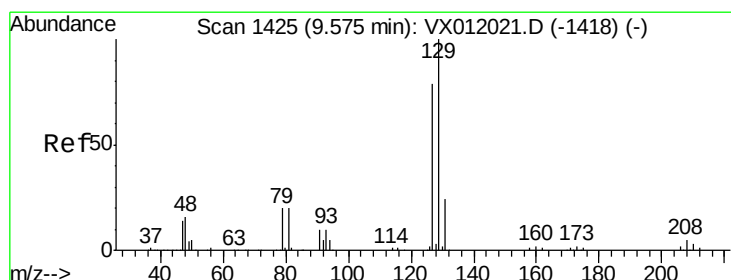
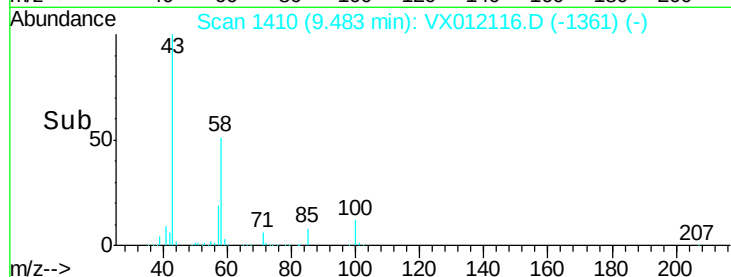
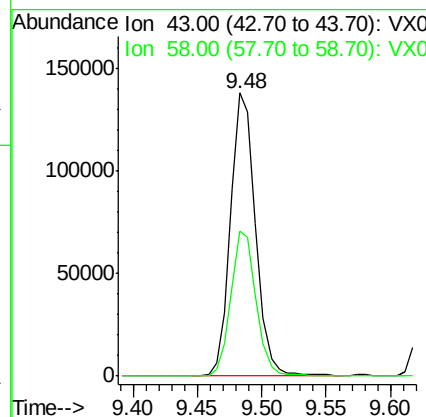
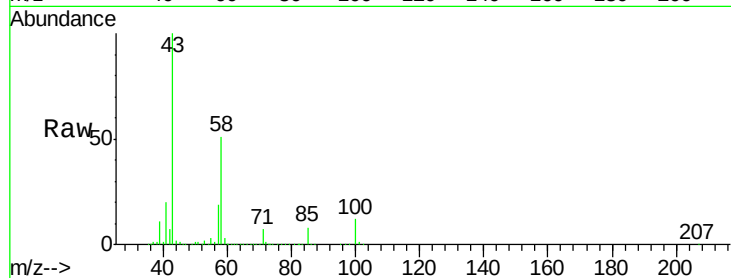
#59  
2-Hexanone  
Concen: 243.428 ug/l  
RT: 9.48 min Scan# 1410  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 188068  
Ion Ratio Lower Upper  
43 100  
58 51.9 27.2 81.6

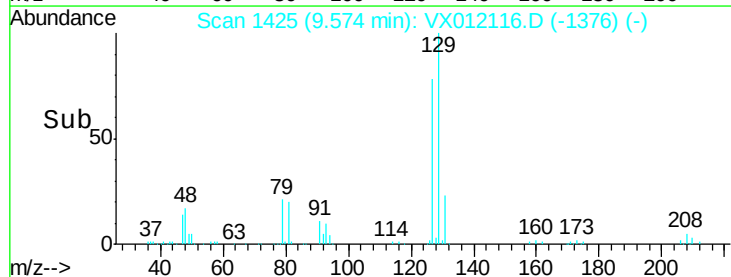
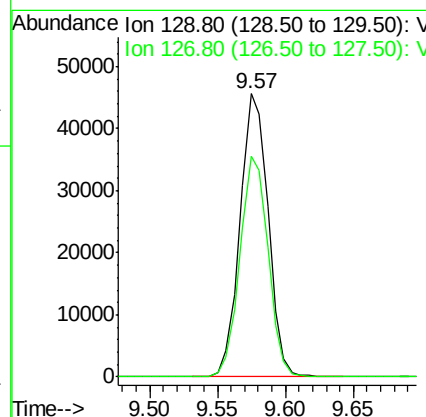
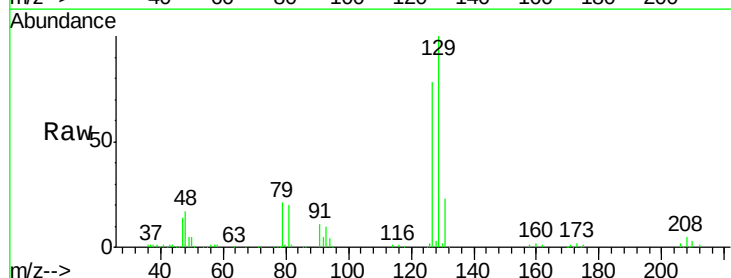
Manual Integrations  
APPROVED

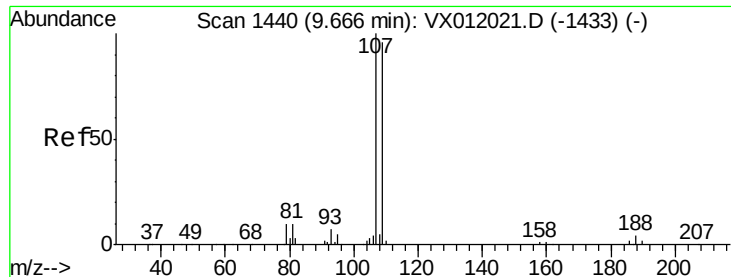
MMDadoda  
9/6/2019 12:31:40 PM



#60  
Dibromochloromethane  
Concen: 47.362 ug/l  
RT: 9.57 min Scan# 1425  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Tgt Ion: 129 Resp: 65782  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.1 114.5





#61

1,2-Dibromoethane

Concen: 48.394 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 54497

Ion Ratio Lower Upper

107 100

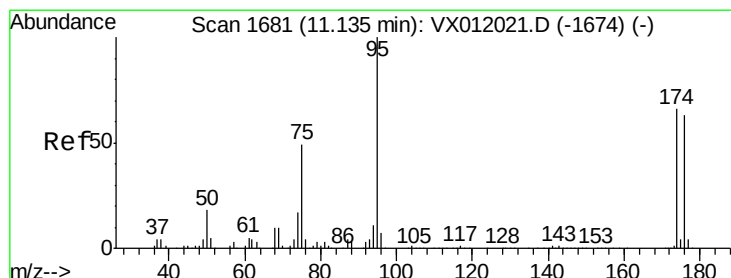
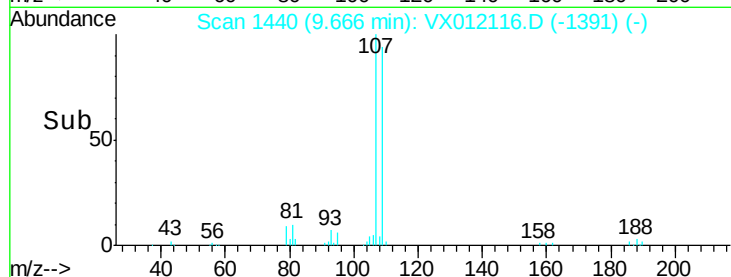
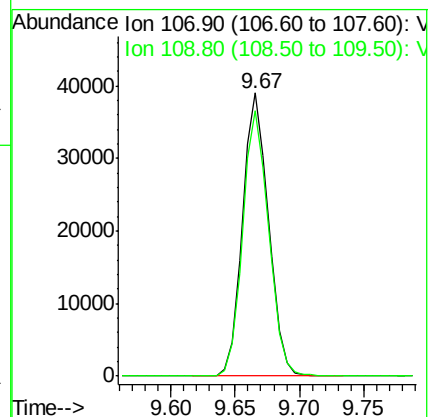
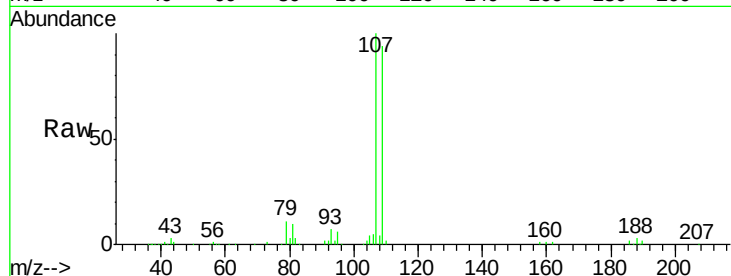
109 94.0 76.9 115.3

Manual Integrations

APPROVED

MMDadoda

9/6/2019 12:31:40 PM



#62

4-Bromofluorobenzene

Concen: 49.108 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

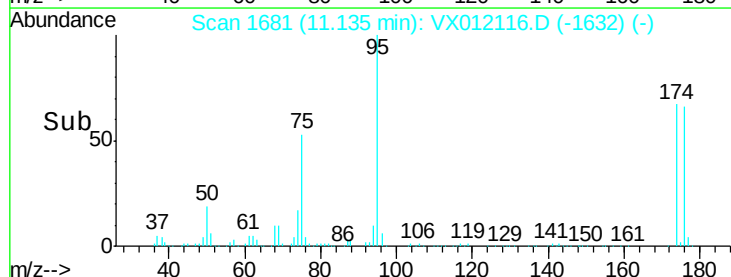
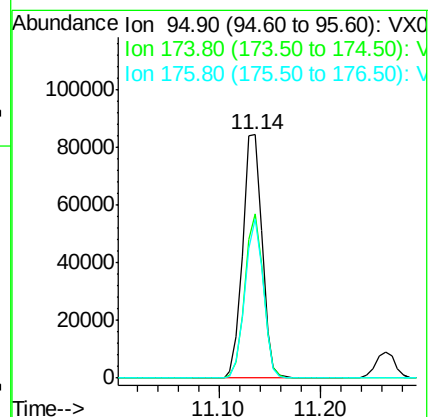
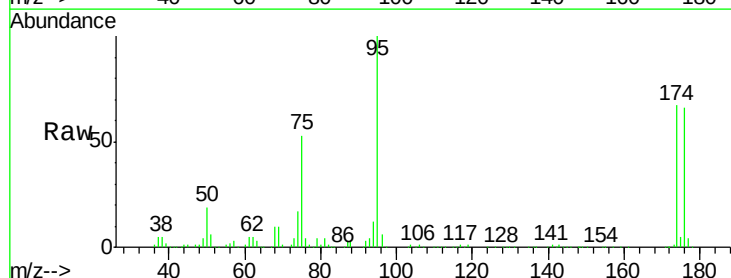
Tgt Ion: 95 Resp: 110165

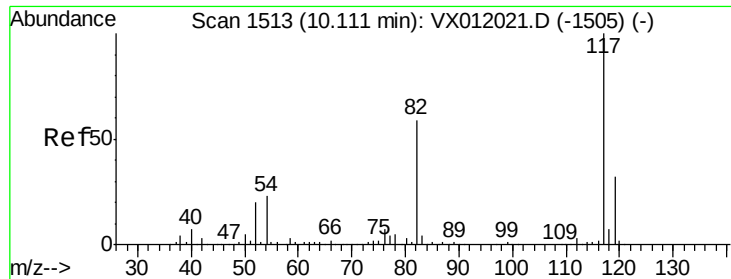
Ion Ratio Lower Upper

95 100

174 64.2 0.0 205.4

176 62.1 0.0 201.8





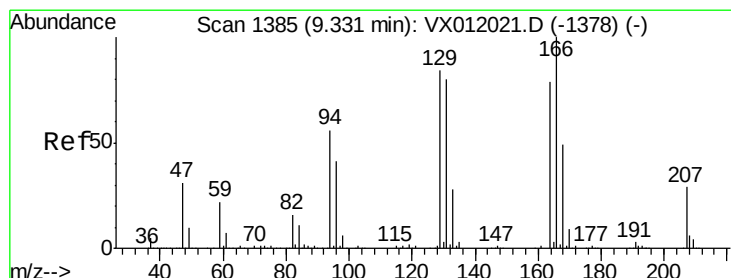
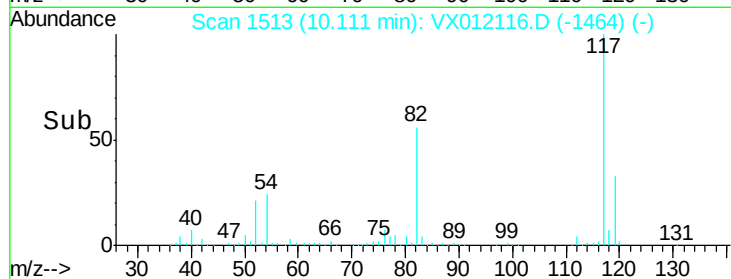
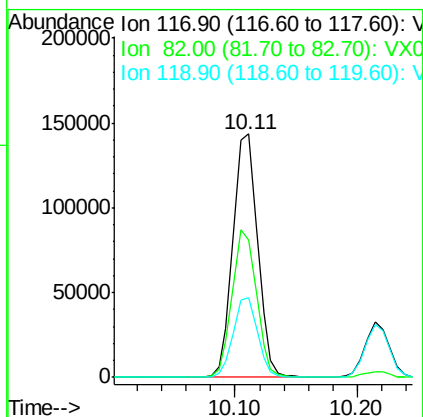
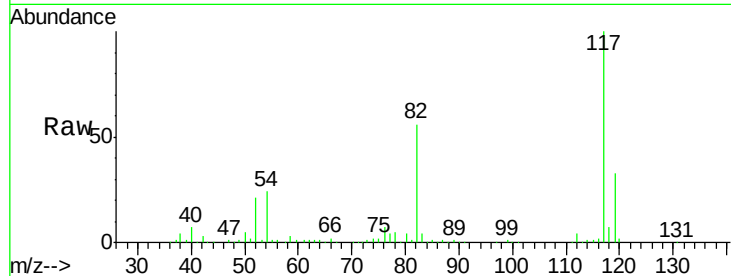
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 200716 |       |       |
| 82      | 56.2  |        | 39.4  | 59.0  |
| 119     | 32.7  |        | 26.1  | 39.1  |

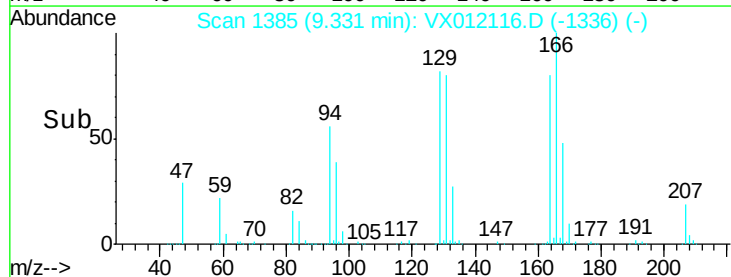
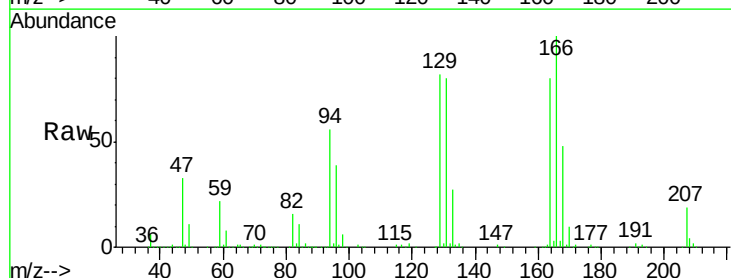
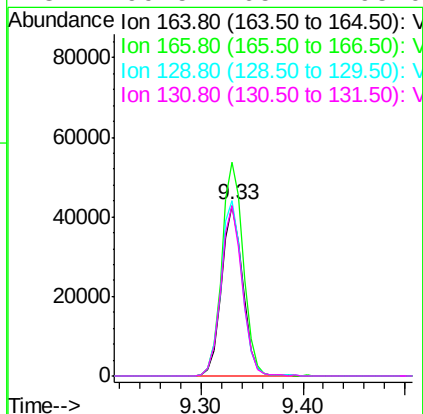
Manual Integrations  
APPROVED

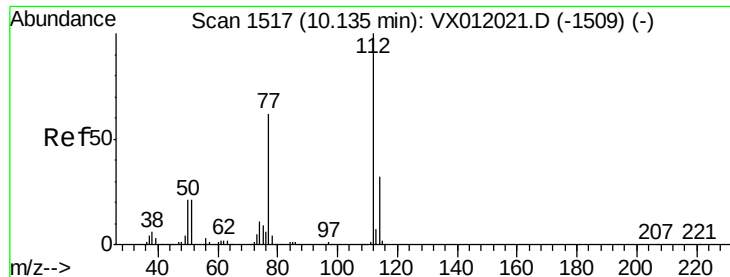
MMDadoda  
9/6/2019 12:31:40 PM



#64  
Tetrachloroethene  
Concen: 49.671 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

| Tgt Ion | Ratio | Resp  | Lower | Upper  |
|---------|-------|-------|-------|--------|
| 164     | 100   | 62155 |       |        |
| 166     | 125.0 |       | 104.3 | 156.5  |
| 129     | 102.5 |       | 68.3  | 102.5# |
| 131     | 99.5  |       | 65.4  | 98.0#  |





#65

Chlorobenzene

Concen: 45.350 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 179599

Ion Ratio Lower Upper

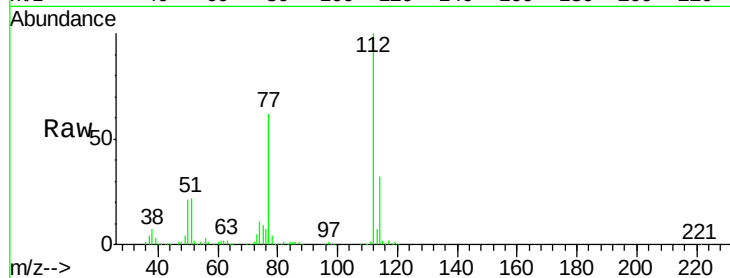
112 100

114 32.3 26.2 39.2

Manual Integrations  
APPROVED

MMDadoda

9/6/2019 12:31:40 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

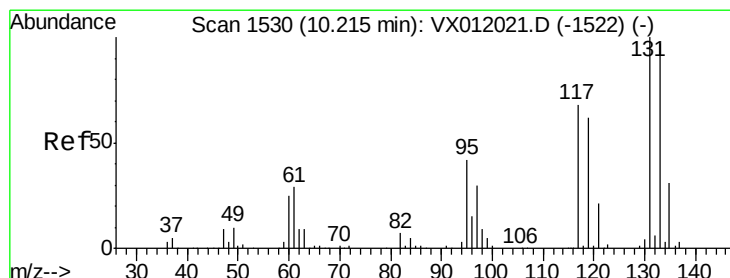
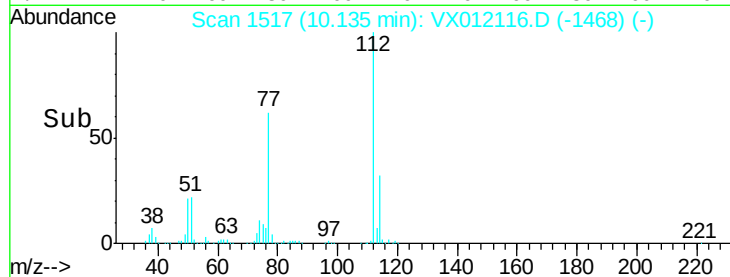
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 46.220 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

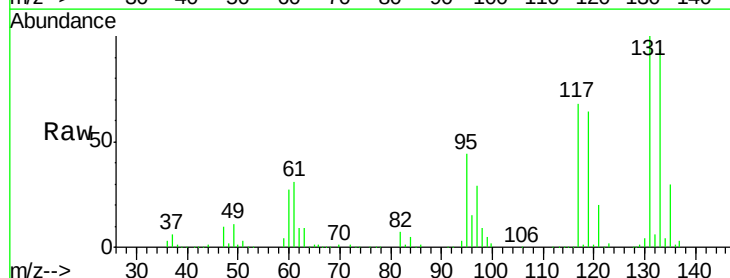
Tgt Ion:131 Resp: 66929

Ion Ratio Lower Upper

131 100

133 94.3 48.4 145.0

119 63.6 30.5 91.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.21

60000

50000

40000

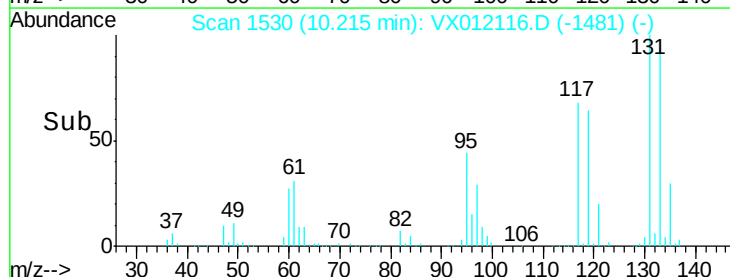
30000

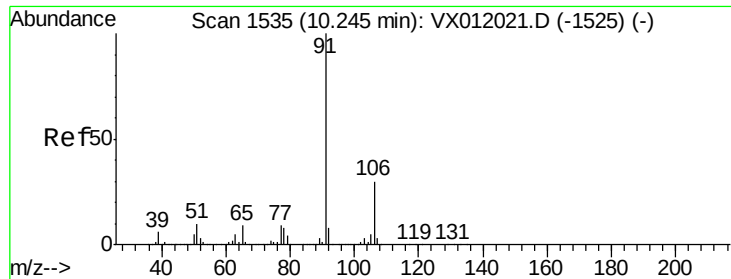
20000

10000

0

Time-->





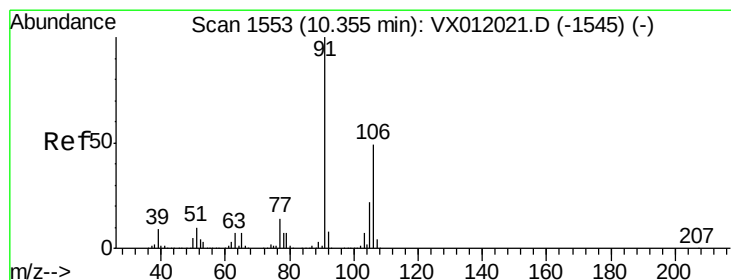
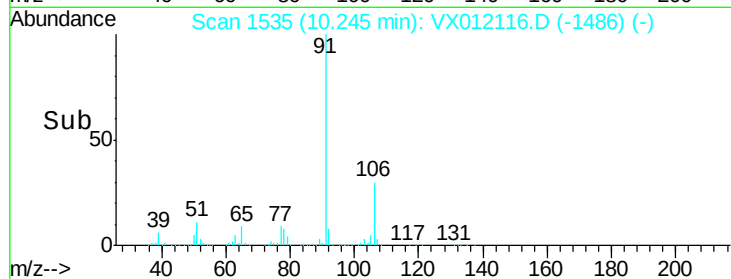
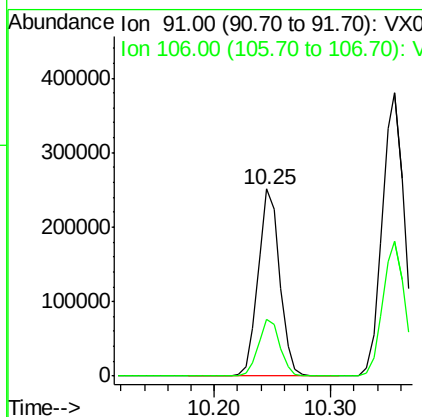
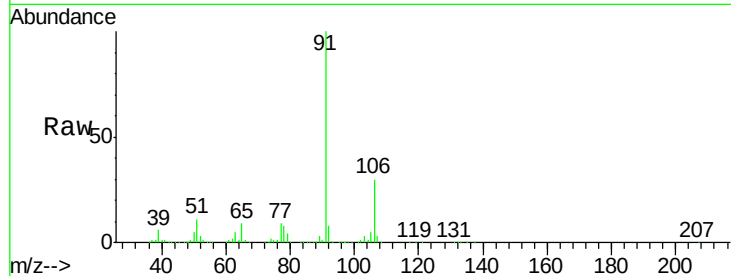
#67  
Ethyl Benzene  
Concen: 45.092 ug/l  
RT: 10.25 min Scan# 1535  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 30.3  | 25.8  | 38.8  |

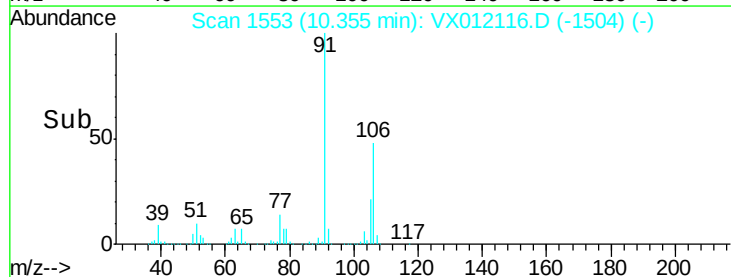
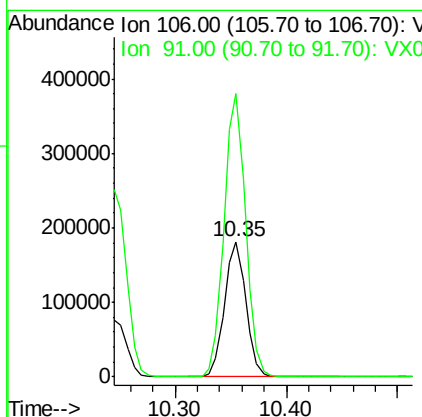
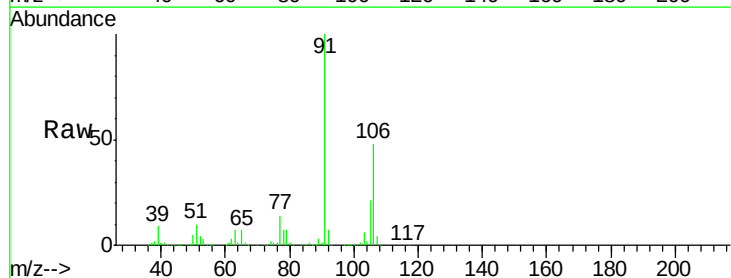
Manual Integrations  
APPROVED

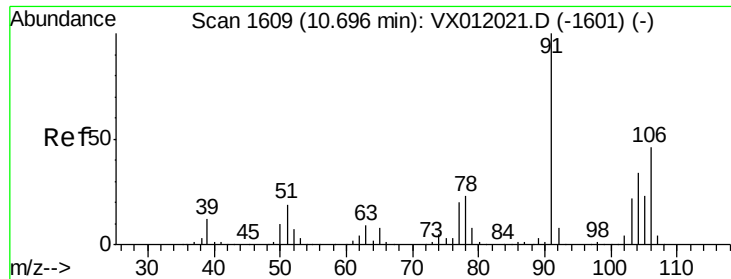
MMDadoda  
9/6/2019 12:31:40 PM



#68  
m/p-Xylenes  
Concen: 90.462 ug/l  
RT: 10.35 min Scan# 1553  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 211.6 | 157.5 | 236.3 |





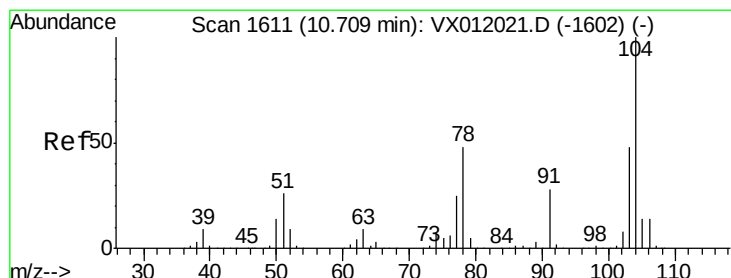
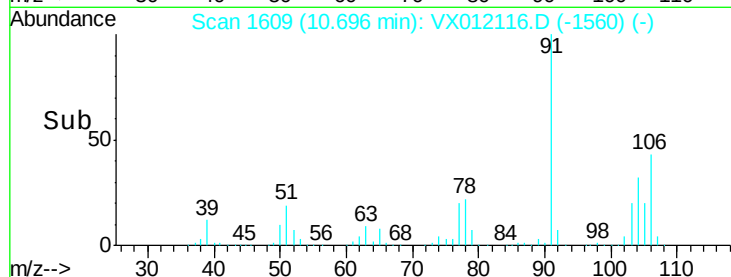
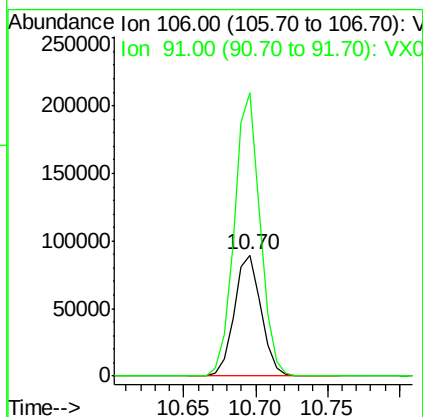
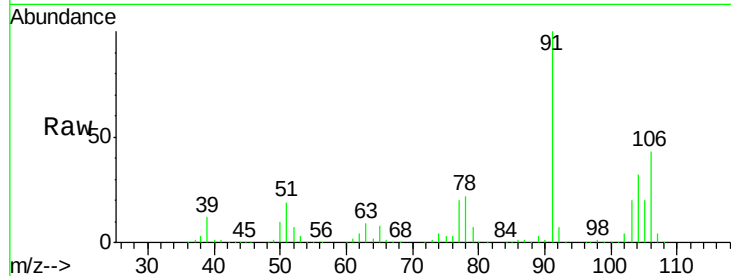
#69  
o-Xylene  
Concen: 44.925 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:106 Resp: 115865  
Ion Ratio Lower Upper  
106 100  
91 226.9 103.5 310.3

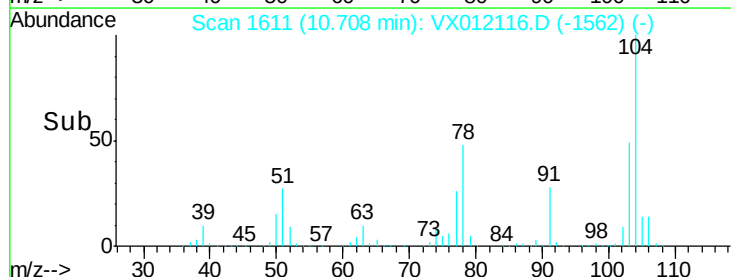
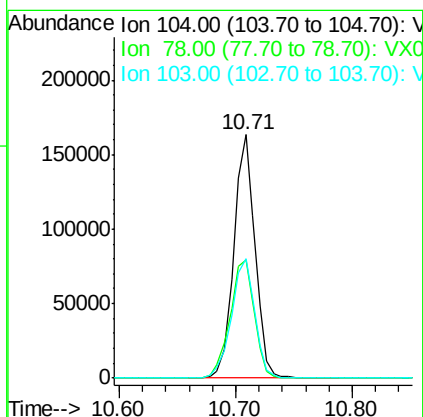
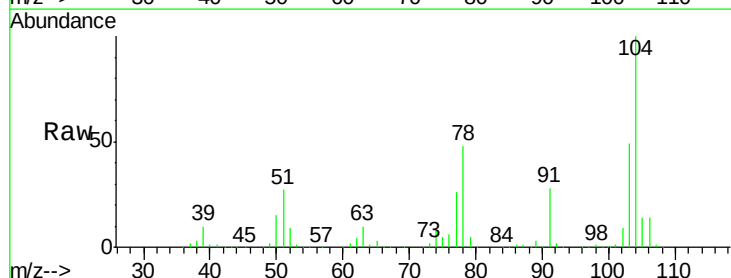
Manual Integrations  
APPROVED

MMDadoda  
9/6/2019 12:31:40 PM

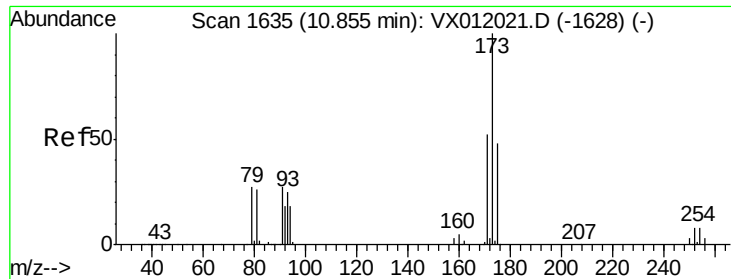


#70  
Styrene  
Concen: 46.144 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Tgt Ion:104 Resp: 206708  
Ion Ratio Lower Upper  
104 100  
78 55.8 39.1 58.7  
103 54.2 43.4 65.2







#71

Bromoform

Concen: 46.249 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA\_X

ClientSampled :

VSTDCCC050EC

Tot Ion:173 Resp: 36784

Ion Ratio Lower Upper

173 100

175 47.9 24.9 74.7

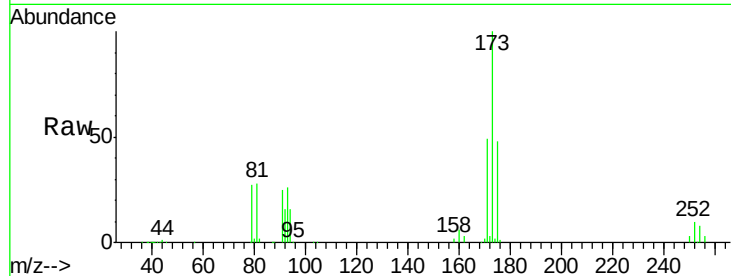
254 0.1 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

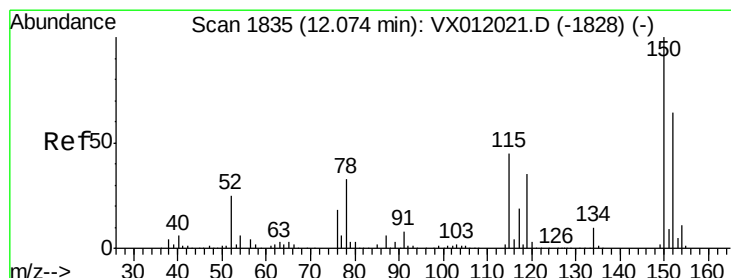
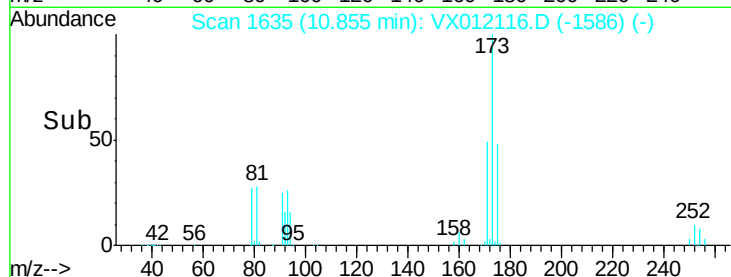
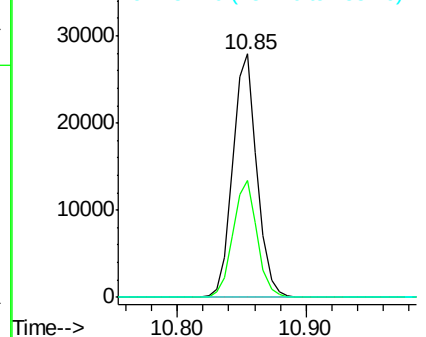
9/6/2019 12:31:40 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

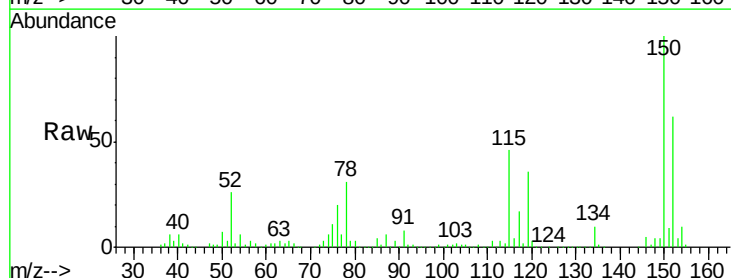
Tgt Ion:152 Resp: 98513

Ion Ratio Lower Upper

152 100

115 90.2 36.4 109.3

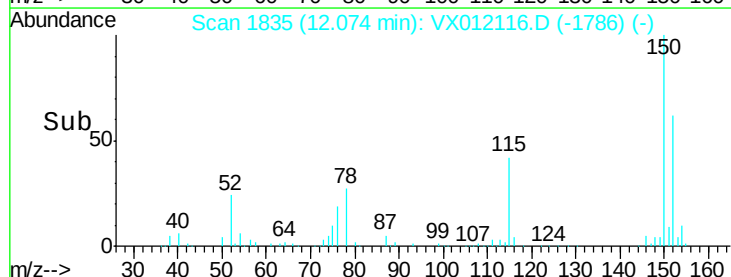
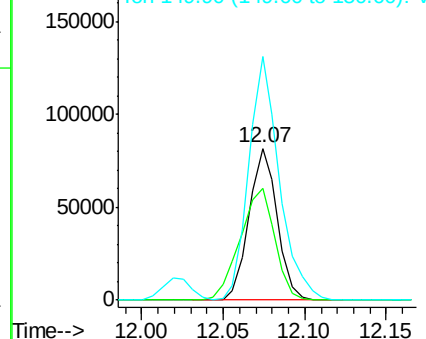
150 173.5 0.0 341.2

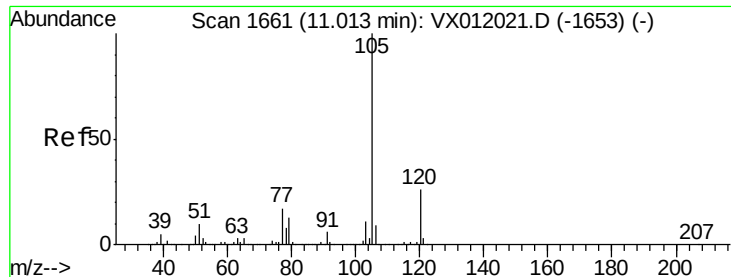


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.794 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 316545

Ion Ratio Lower Upper

105 100

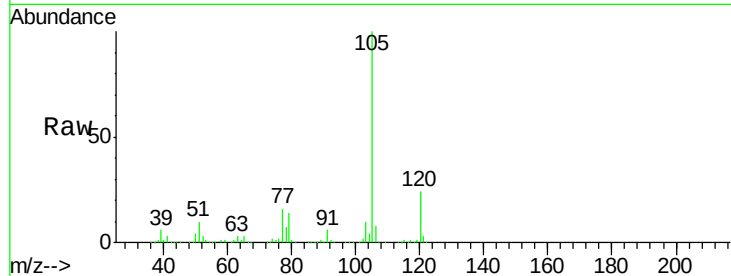
120 25.2 13.9 41.6

Manual Integrations

APPROVED

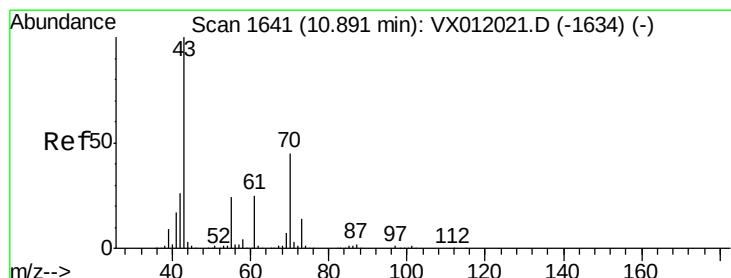
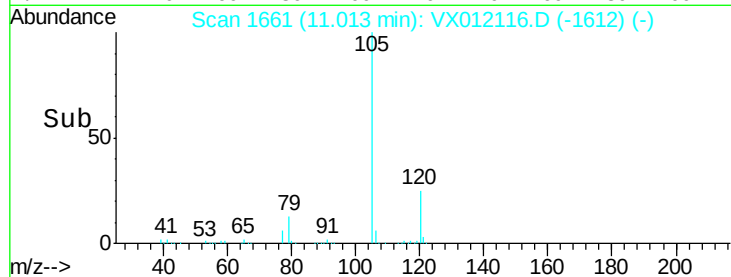
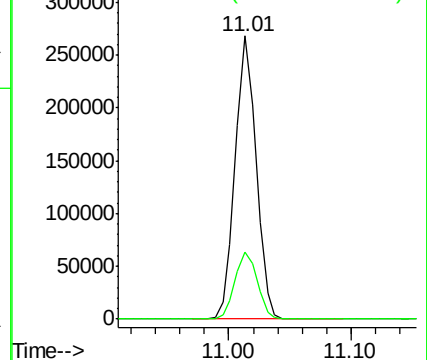
MMDadoda

9/6/2019 12:31:40 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.160 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Tgt Ion: 43 Resp: 98649

Ion Ratio Lower Upper

43 100

70 40.6 34.4 51.6

55 22.8 18.5 27.7

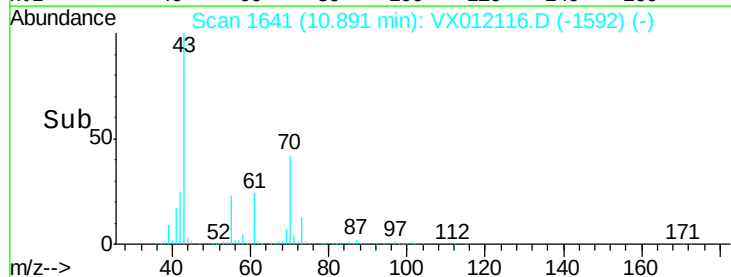
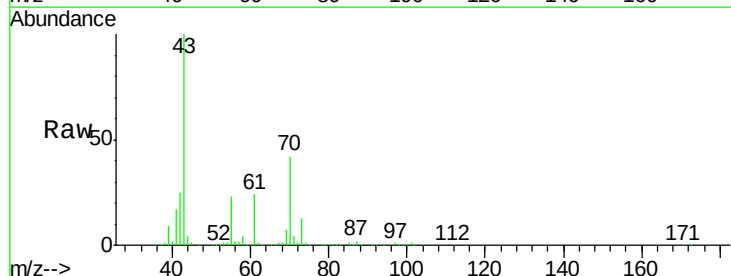
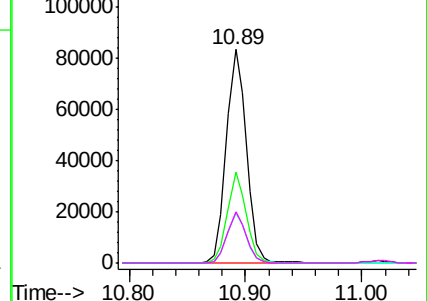
61 22.9 19.5 29.3

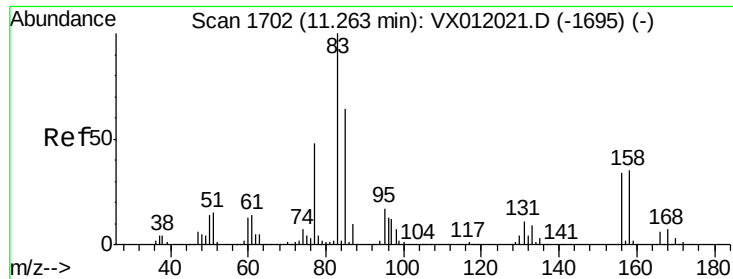
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.406 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA\_X

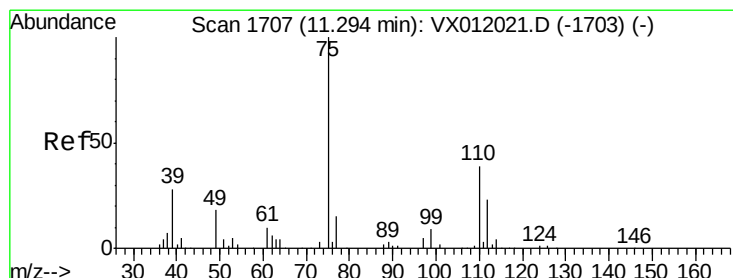
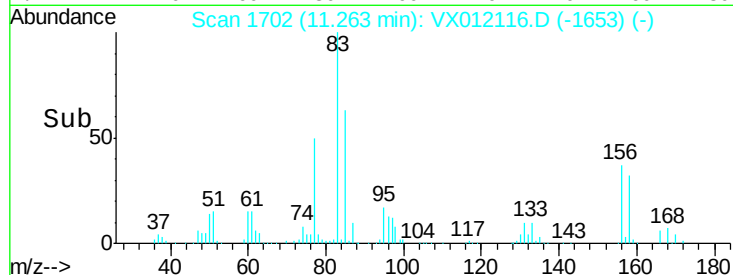
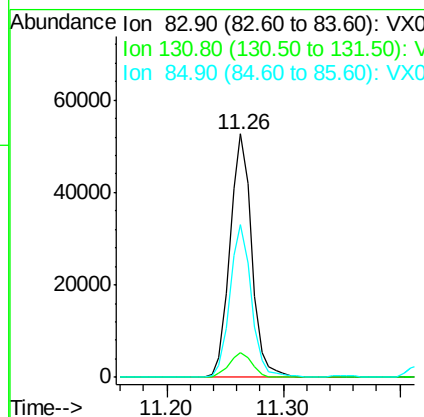
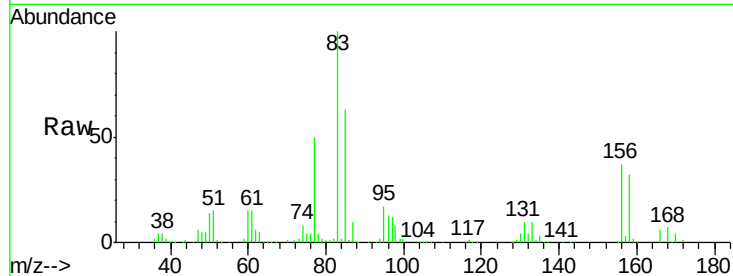
ClientSampled :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 68420 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 10.5  | 6.3   | 19.1  |
| 85       | 62.1  | 32.5  | 97.4  |

Manual Integrations  
APPROVED

MMDadoda  
9/6/2019 12:31:40 PM



#76

1,2,3-Trichloropropane

Concen: 44.453 ug/l m

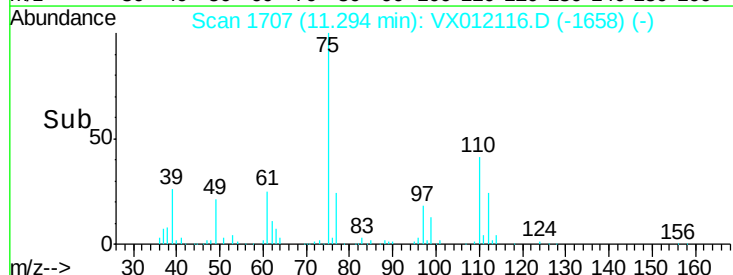
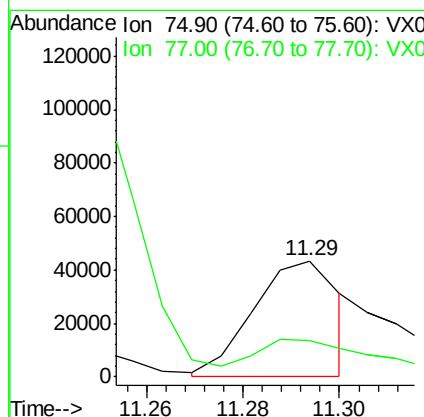
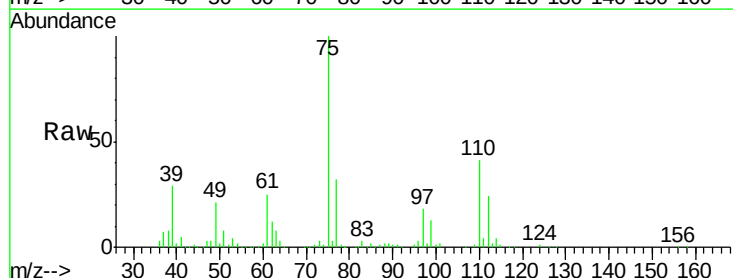
RT: 11.29 min Scan# 1707

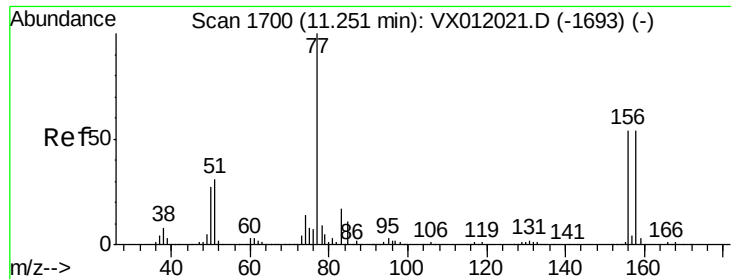
Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 53507 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 45.4  | 23.5  | 70.5  |





#77

Bromobenzene

Concen: 44.722 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 72296

Ion Ratio Lower Upper

156 100

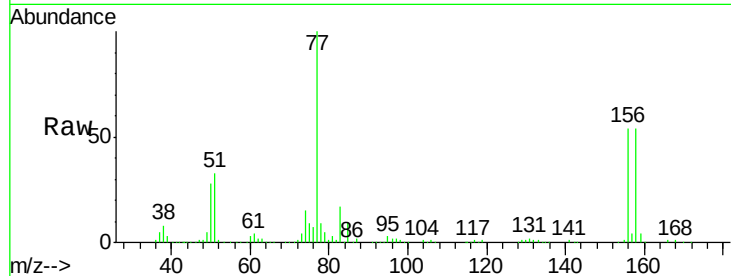
77 190.9 63.4 190.2#

158 99.7 48.9 146.6

Manual Integrations  
APPROVED

MMDadoda

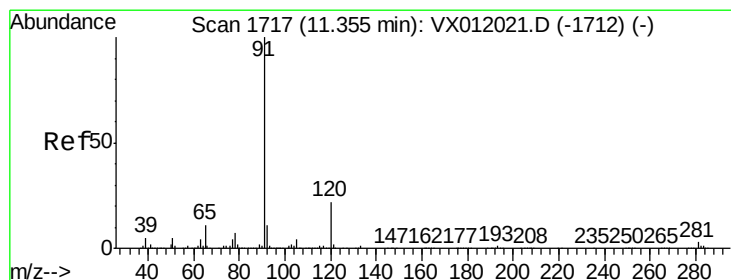
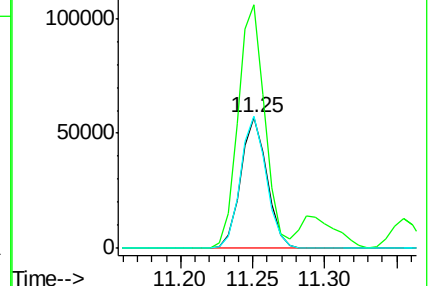
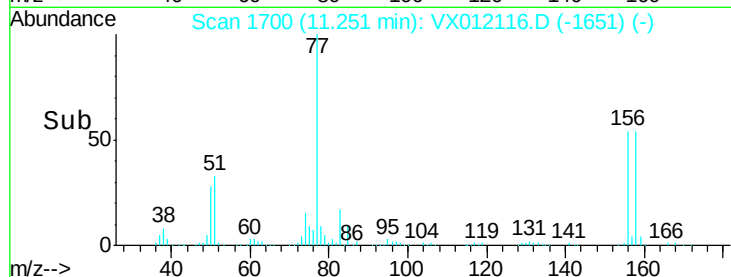
9/6/2019 12:31:40 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 42.669 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012116.D

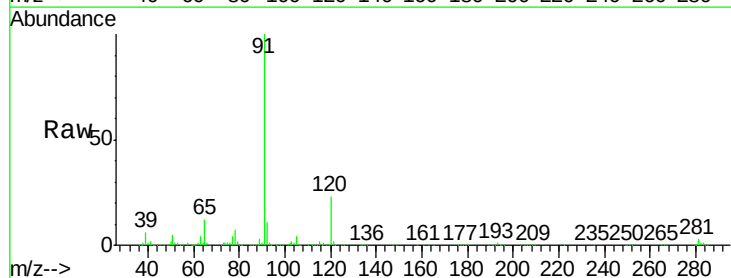
Acq: 05 Sep 2019 22:17

Tgt Ion: 91 Resp: 372596

Ion Ratio Lower Upper

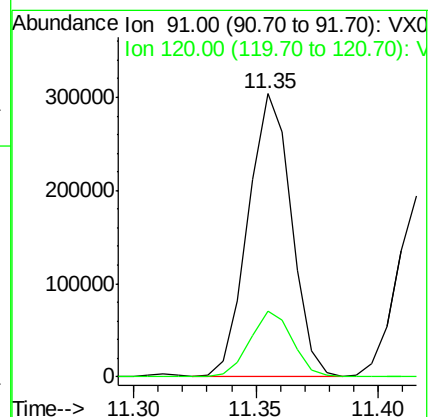
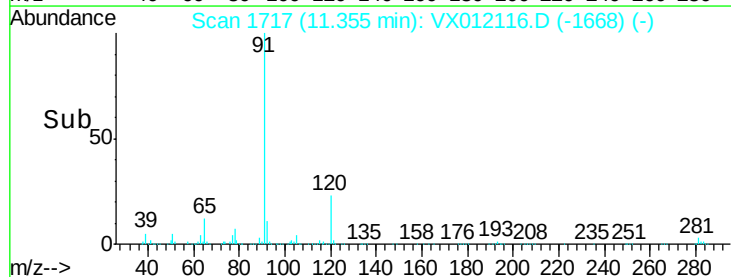
91 100

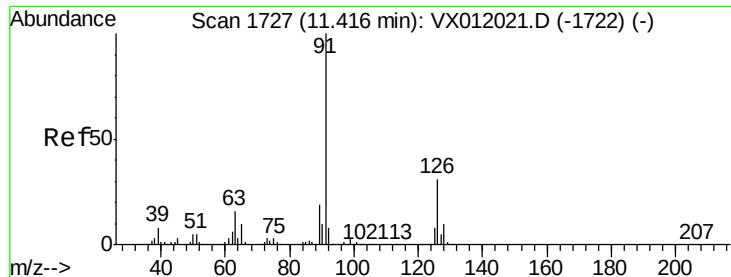
120 22.9 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.869 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA\_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 237371

Ion Ratio Lower Upper

91 100

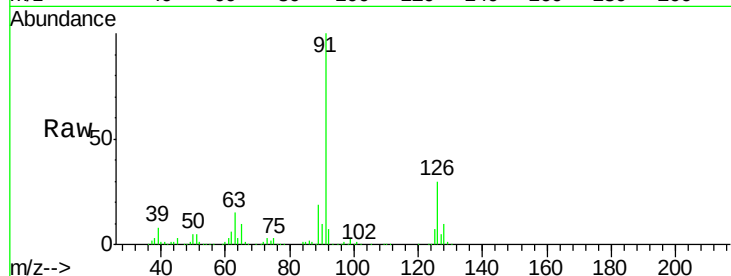
126 31.6 18.6 55.8

Manual Integrations

APPROVED

MMDadoda

9/6/2019 12:31:40 PM



Abundance Ion 91.00 (90.70 to 91.70): VX012021.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX012021.D (-1722) (-)

300000

200000

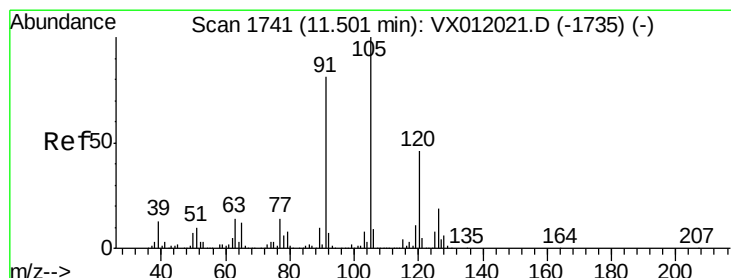
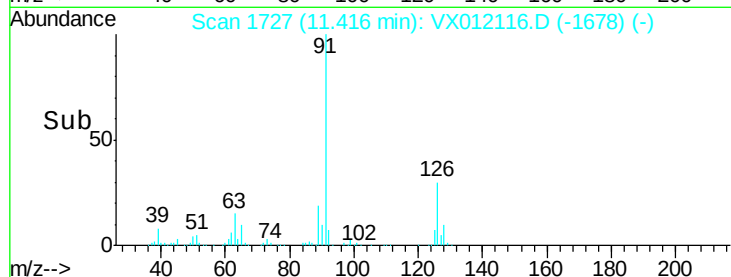
100000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 45.077 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012116.D

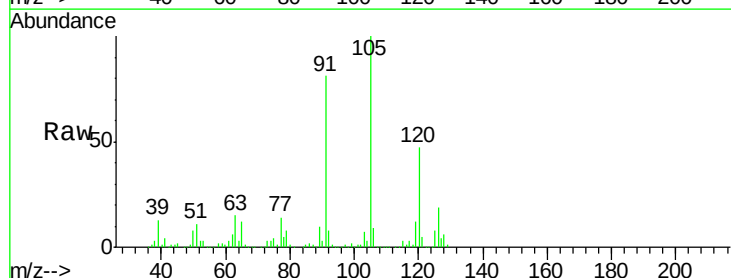
Acq: 05 Sep 2019 22:17

Tgt Ion: 105 Resp: 285531

Ion Ratio Lower Upper

105 100

120 46.5 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): VX012021.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX012021.D (-1735) (-)

250000

200000

150000

100000

50000

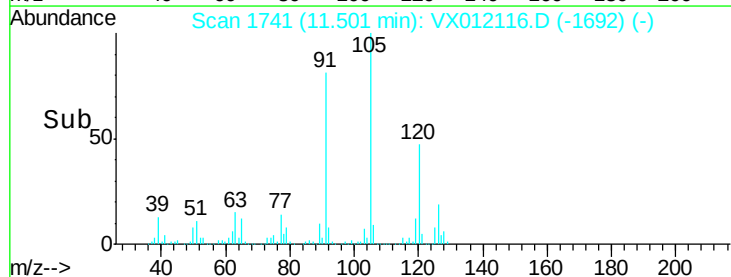
0

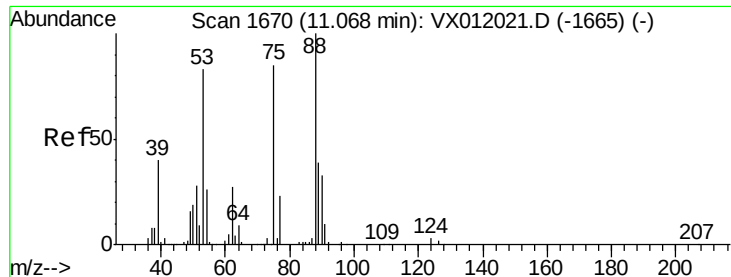
11.50

11.55

11.60

Time-->





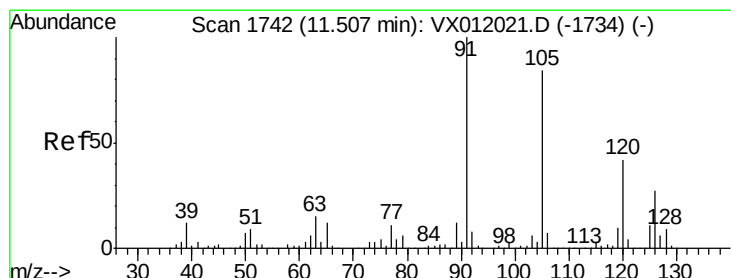
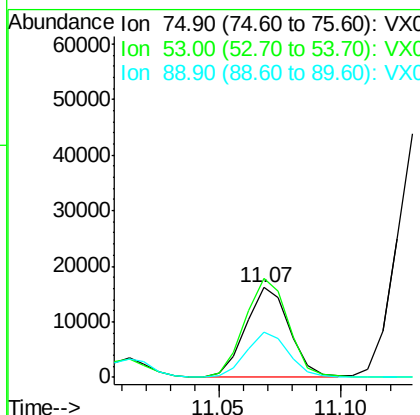
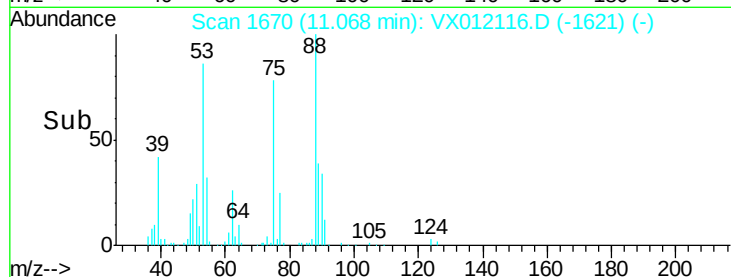
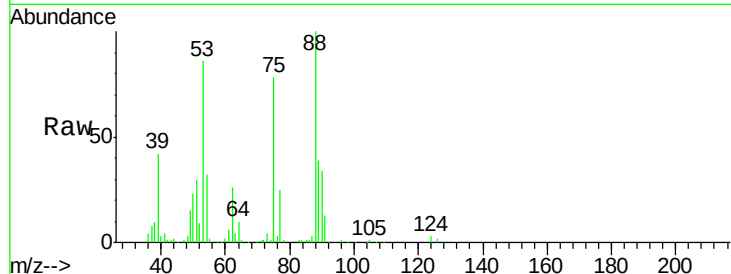
#81  
trans-1,4-Dichloro-2-butene  
Concen: 39.913 ug/l  
RT: 11.07 min Scan# 1670  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 108.3 | 78.6  | 117.8 |
| 89      | 48.1  | 38.8  | 58.2  |

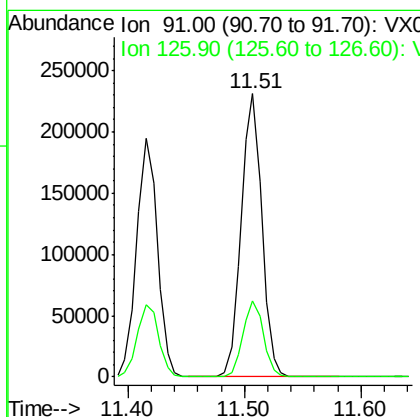
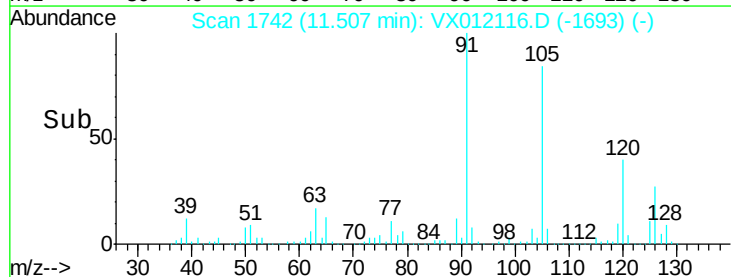
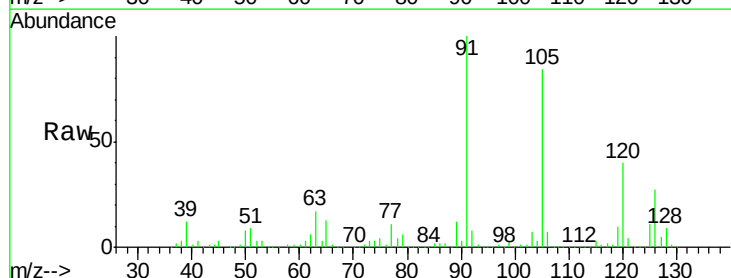
Manual Integrations  
APPROVED

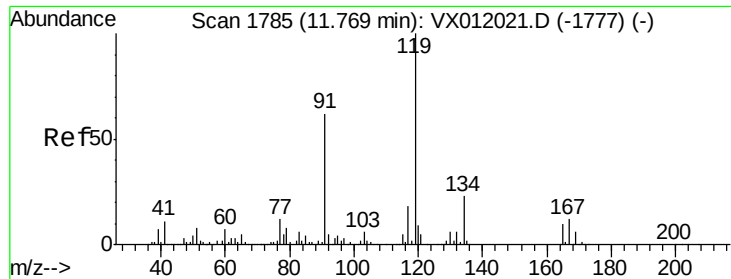
MMDadoda  
9/6/2019 12:31:40 PM



#82  
4-Chlorotoluene  
Concen: 45.501 ug/l  
RT: 11.51 min Scan# 1742  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 26.7  | 16.2  | 48.6  |





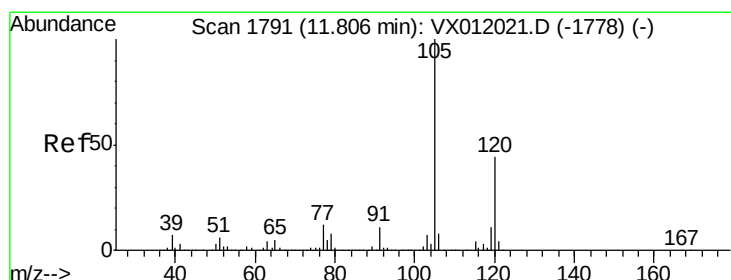
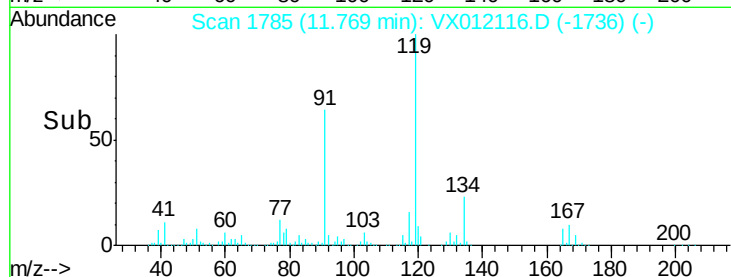
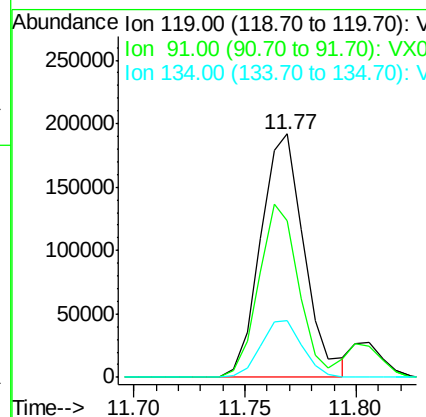
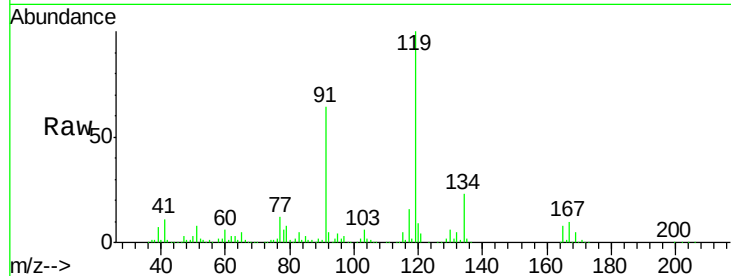
#83  
 tert-Butylbenzene  
 Concen: 43.231 ug/l  
 RT: 11.77 min Scan# 1785  
 Delta R.T. -0.00 min  
 Lab File: VX012116.D  
 Acq: 05 Sep 2019 22:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 260996 |       |       |
| 91      | 65.1  |        | 27.1  | 81.2  |
| 134     | 22.6  |        | 12.1  | 36.3  |

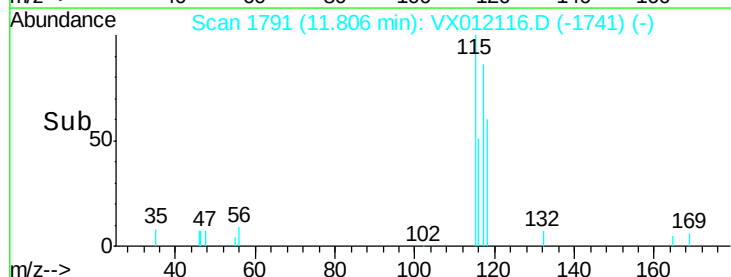
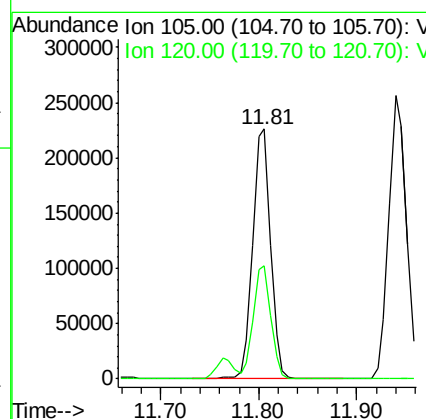
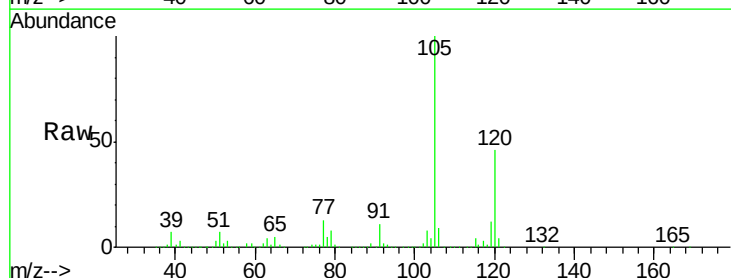
Manual Integrations  
 APPROVED

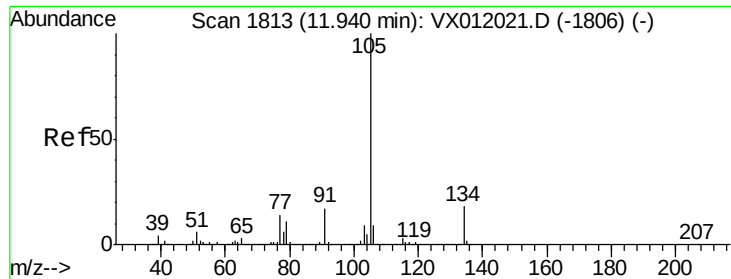
MMDadoda  
 9/6/2019 12:31:40 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 43.977 ug/l  
 RT: 11.81 min Scan# 1791  
 Delta R.T. 0.01 min  
 Lab File: VX012116.D  
 Acq: 05 Sep 2019 22:17

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 286300 |       |       |
| 120     | 44.7  |        | 23.6  | 70.8  |





#85

sec-Butylbenzene

Concen: 42.539 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 318993

Ion Ratio Lower Upper

105 100

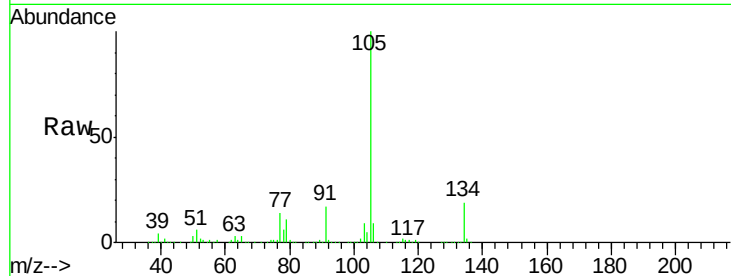
134 19.4 11.2 33.6

Manual Integrations

APPROVED

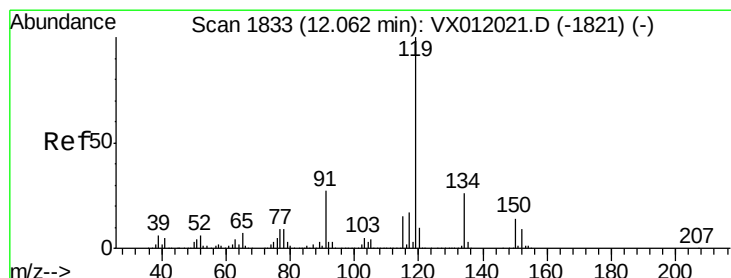
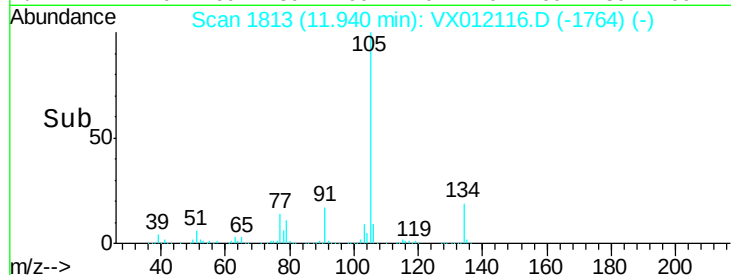
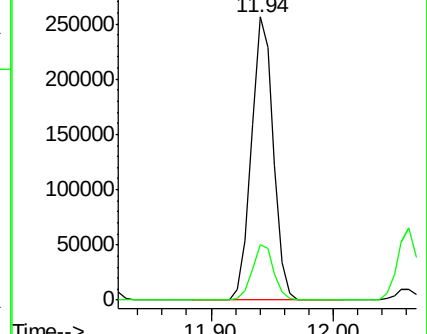
MMDadoda

9/6/2019 12:31:40 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 42.455 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

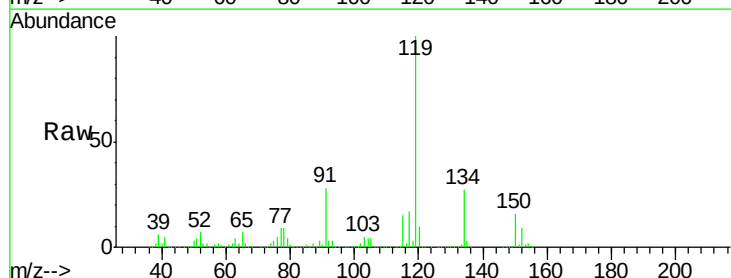
Tgt Ion:119 Resp: 289529

Ion Ratio Lower Upper

119 100

134 25.8 13.7 41.1

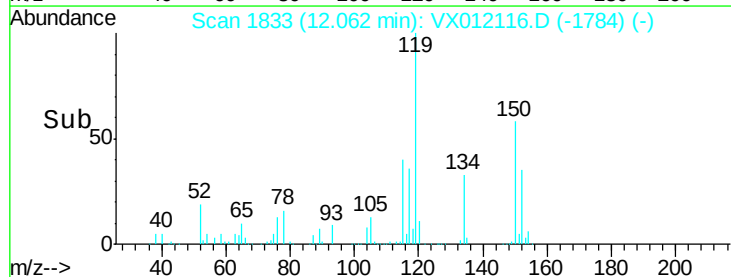
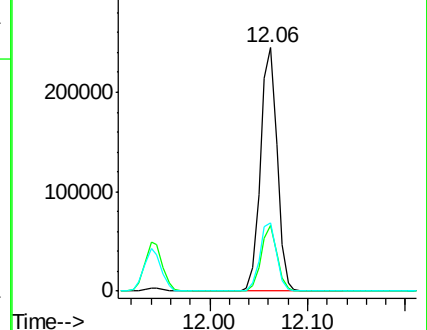
91 28.2 11.4 34.1



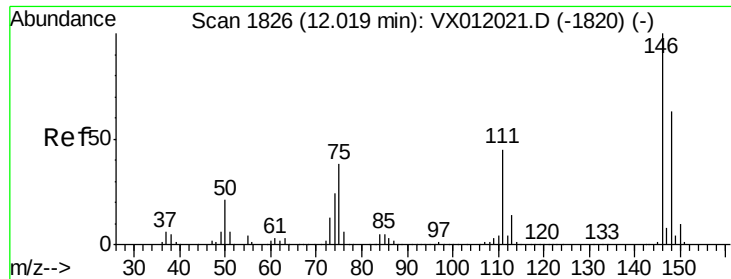
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0







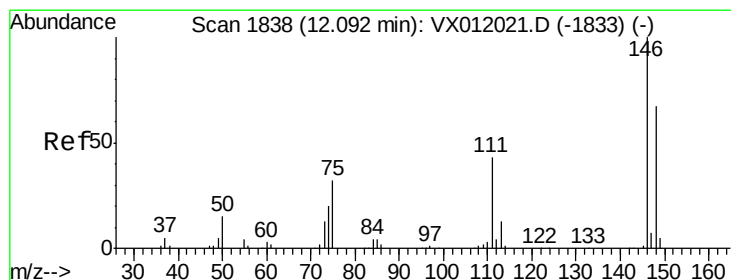
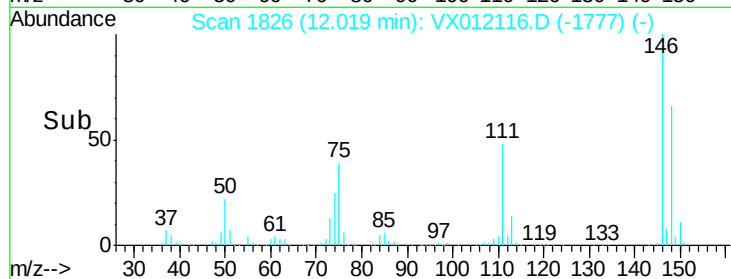
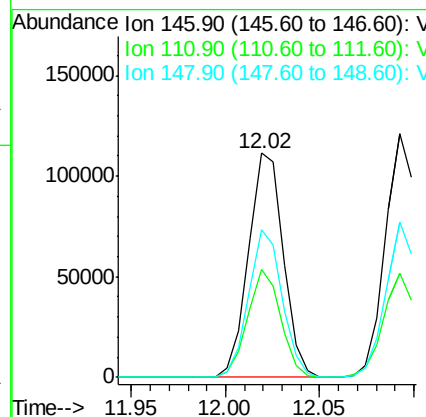
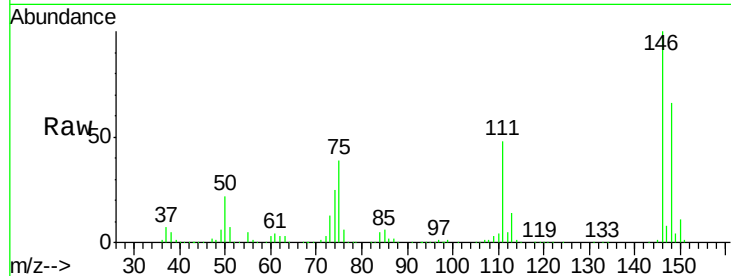
#87  
 1,3-Dichlorobenzene  
 Concen: 44.324 ug/l  
 RT: 12.02 min Scan# 1826  
 Delta R.T. -0.00 min  
 Lab File: VX012116.D  
 Acq: 05 Sep 2019 22:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 45.7  | 18.1  | 54.1  |
| 148     | 63.2  | 32.6  | 97.8  |

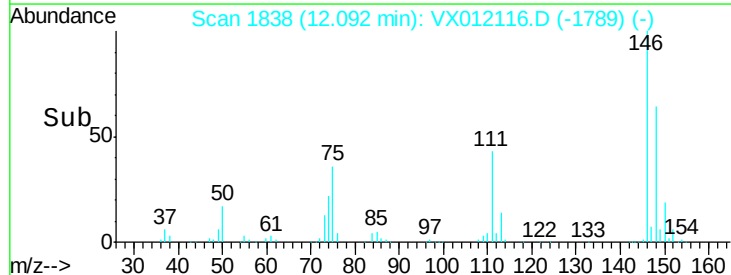
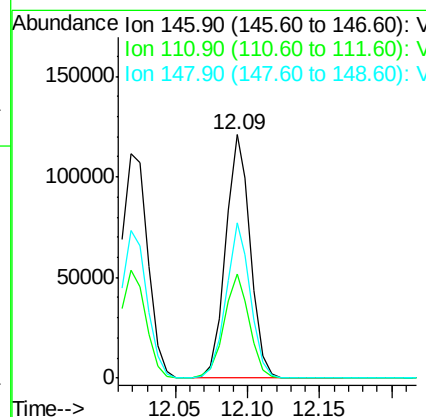
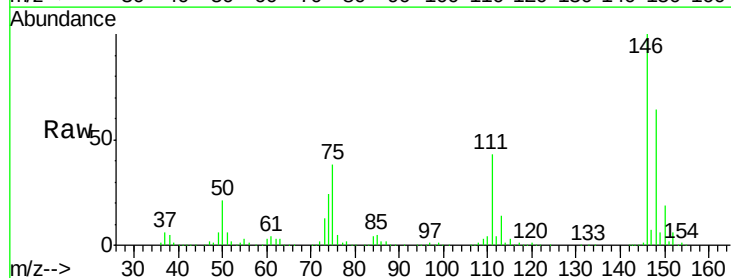
Manual Integrations  
 APPROVED

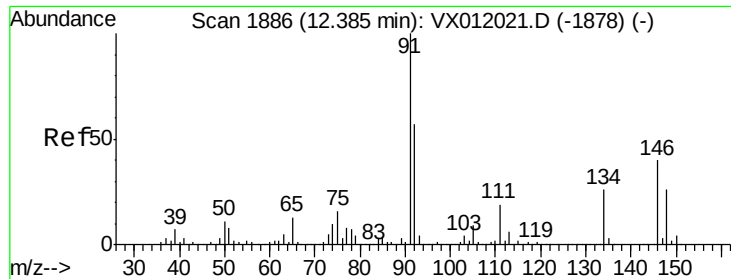
MMDadoda  
 9/6/2019 12:31:40 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 44.903 ug/l  
 RT: 12.09 min Scan# 1838  
 Delta R.T. -0.00 min  
 Lab File: VX012116.D  
 Acq: 05 Sep 2019 22:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.6  | 17.7  | 53.1  |
| 148     | 62.9  | 32.4  | 97.0  |





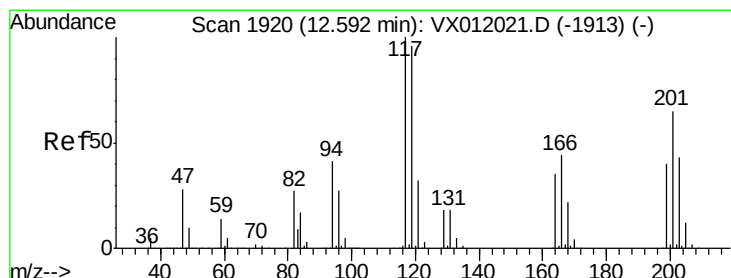
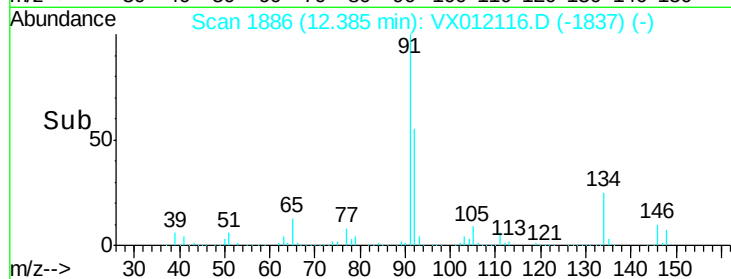
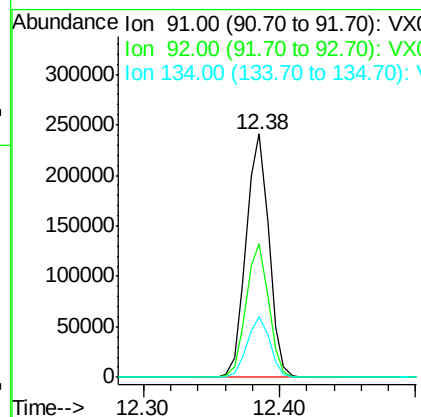
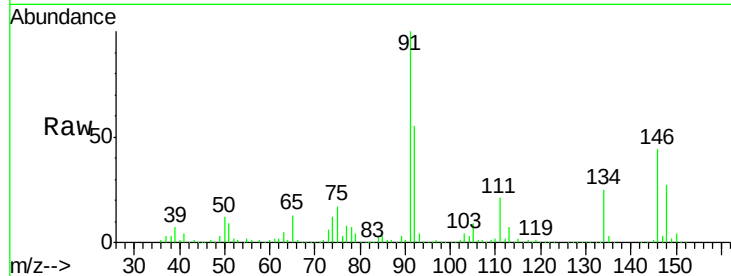
#89  
n-Butylbenzene  
Concen: 42.645 ug/l  
RT: 12.38 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.4  | 27.6  | 82.8  |
| 134     | 24.9  | 15.4  | 46.1  |

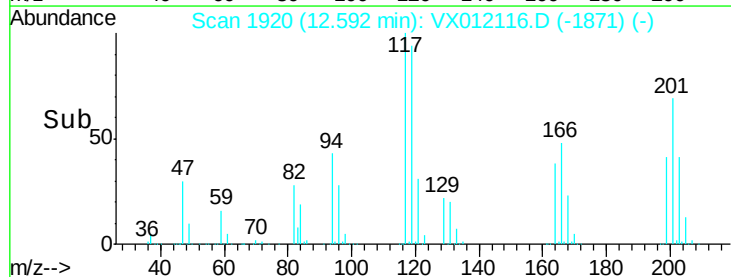
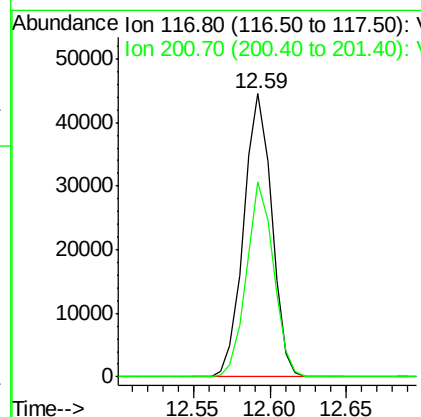
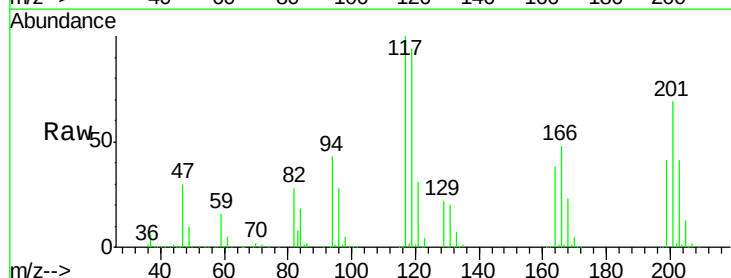
Manual Integrations  
APPROVED

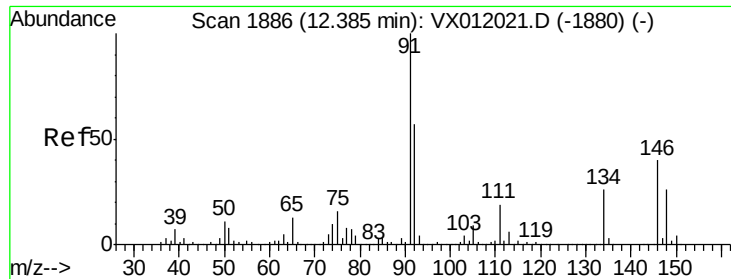
MMDadoda  
9/6/2019 12:31:40 PM



#90  
Hexachloroethane  
Concen: 41.586 ug/l  
RT: 12.59 min Scan# 1920  
Delta R.T. -0.00 min  
Lab File: VX012116.D  
Acq: 05 Sep 2019 22:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 66.7  | 55.0  | 165.2 |





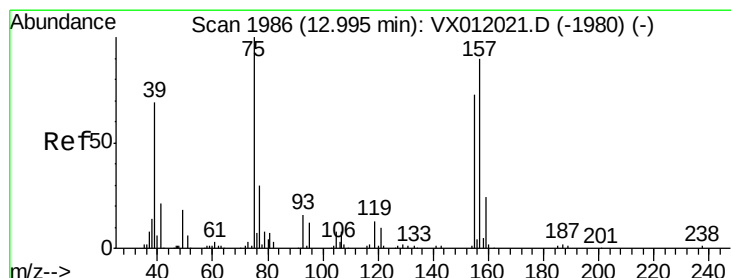
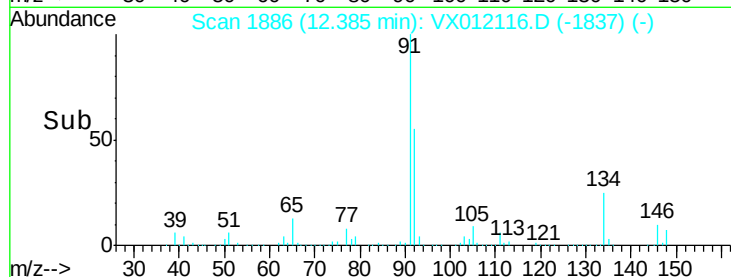
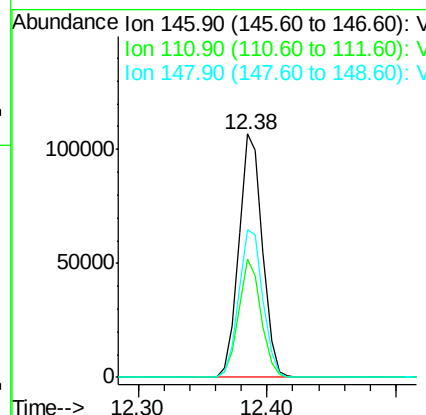
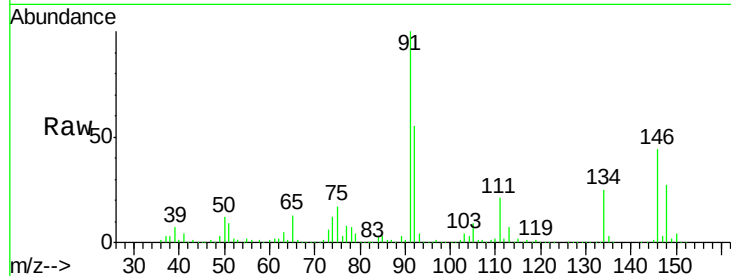
#91  
 1,2-Dichlorobenzene  
 Concen: 46.552 ug/l  
 RT: 12.38 min Scan# 1886  
 Delta R.T. -0.00 min  
 Lab File: VX012116.D  
 Acq: 05 Sep 2019 22:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 46.4  | 18.6  | 56.0  |
| 148     | 62.3  | 32.4  | 97.2  |

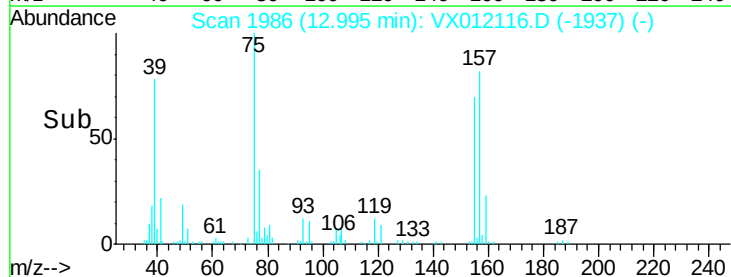
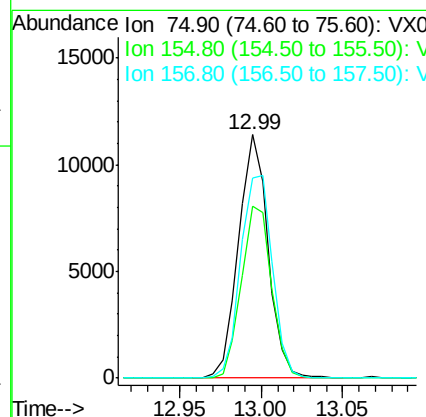
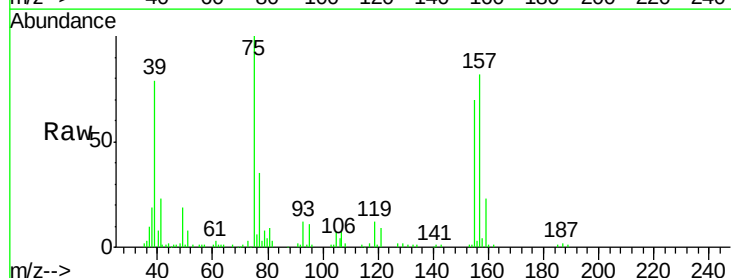
Manual Integrations  
 APPROVED

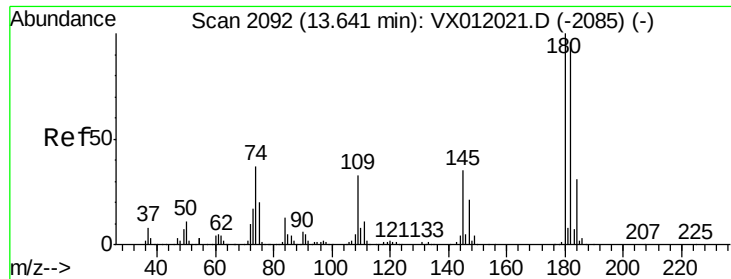
MMDadoda  
 9/6/2019 12:31:40 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 45.708 ug/l  
 RT: 12.99 min Scan# 1986  
 Delta R.T. -0.00 min  
 Lab File: VX012116.D  
 Acq: 05 Sep 2019 22:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 72.3  | 51.7  | 155.2 |
| 157     | 89.5  | 66.9  | 200.7 |





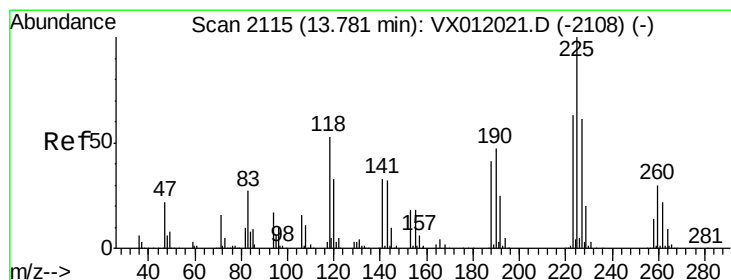
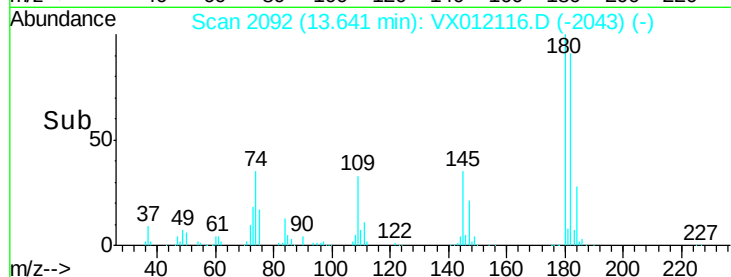
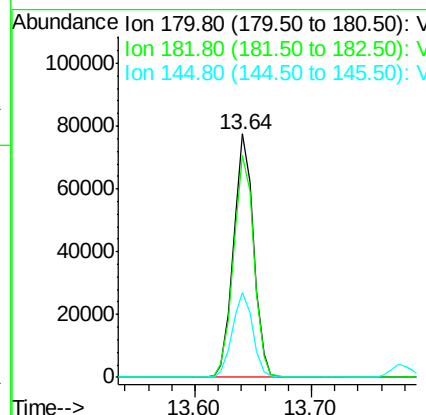
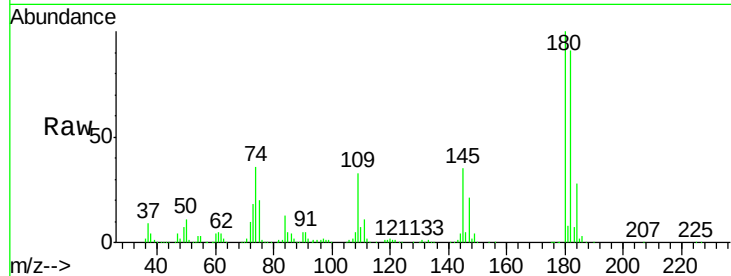
#93  
 1,2,4-Trichlorobenzene  
 Concen: 44.780 ug/l  
 RT: 13.64 min Scan# 2092  
 Delta R.T. -0.00 min  
 Lab File: VX012116.D  
 Acq: 05 Sep 2019 22:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.0  | 47.3  | 142.0 |
| 145     | 35.1  | 13.7  | 41.0  |

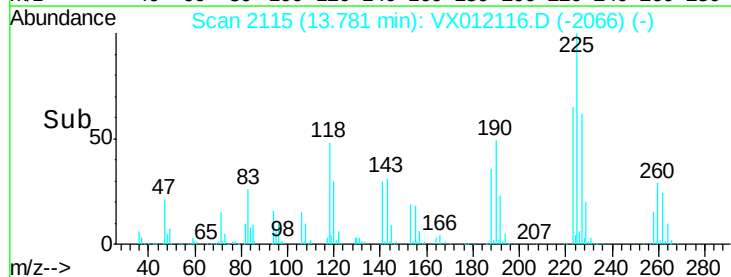
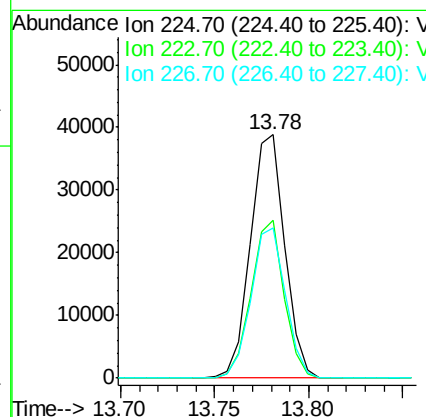
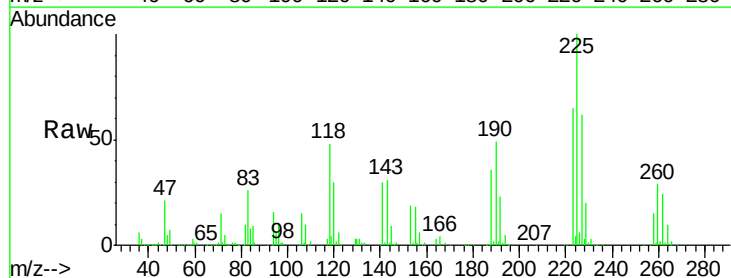
Manual Integrations  
 APPROVED

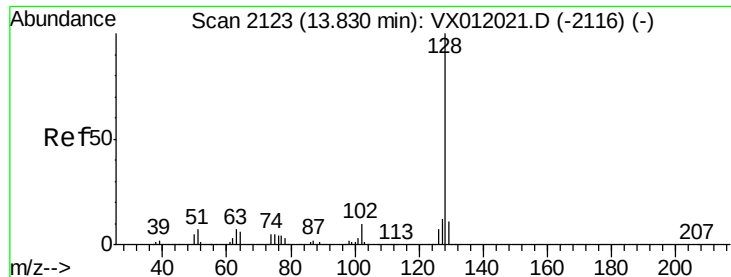
MMDadoda  
 9/6/2019 12:31:40 PM



#94  
 Hexachlorobutadiene  
 Concen: 46.864 ug/l  
 RT: 13.78 min Scan# 2115  
 Delta R.T. -0.00 min  
 Lab File: VX012116.D  
 Acq: 05 Sep 2019 22:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.0  | 31.6  | 95.0  |
| 227     | 62.0  | 32.5  | 97.5  |





#95

Naphthalene

Concen: 45.799 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA\_X

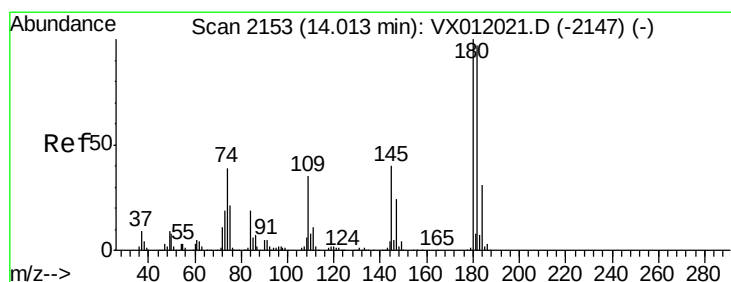
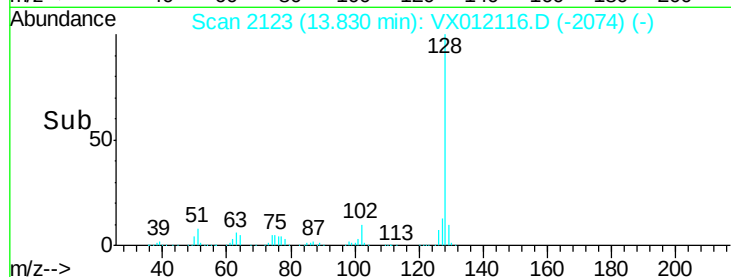
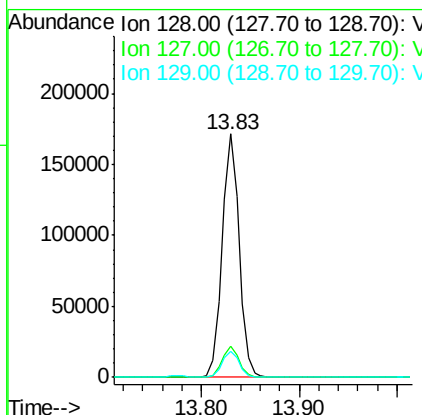
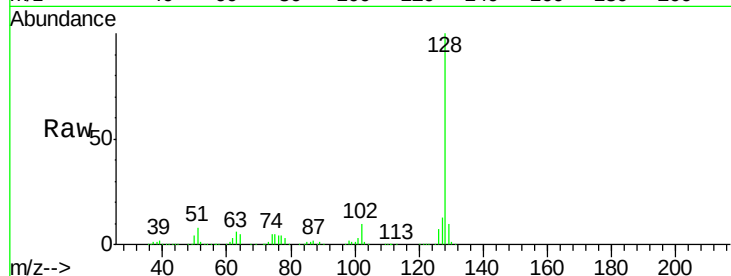
ClientSampleId :

VSTDCCC050EC

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 128  | Resp: | 205824 |
| Ion Ratio |      | Lower | Upper  |
| 128       | 100  |       |        |
| 127       | 12.8 | 10.5  | 15.7   |
| 129       | 10.6 | 8.8   | 13.2   |

Manual Integrations  
APPROVED

MMDadoda  
9/6/2019 12:31:40 PM



#96

1,2,3-Trichlorobenzene

Concen: 45.289 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 180  | Resp: | 82735 |
| Ion Ratio |      | Lower | Upper |
| 180       | 100  |       |       |
| 182       | 96.4 | 47.9  | 143.6 |
| 145       | 37.1 | 14.1  | 42.4  |

