

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031220\  
 Data File : VX015241.D  
 Acq On : 12 Mar 2020 18:22  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 3/16/2020 11:43:55 AM

Quant Time: Mar 13 04:35:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X030420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 04 14:19:10 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 269760   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 415131   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 365232   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 195174   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.05   | 65  | 154702   | 48.34 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.68% |      |
| 35) Dibromofluoromethane  | 5.49   | 113 | 130895   | 49.98 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.96% |      |
| 50) Toluene-d8            | 8.71   | 98  | 475152   | 47.70 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.40% |      |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 173063   | 48.70 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.40% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 111260  | 47.100  | ug/l | 99     |
| 3) Chloromethane              | 1.31 | 50  | 159094  | 47.546  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 162051  | 47.761  | ug/l | 98     |
| 5) Bromomethane               | 1.63 | 94  | 98116   | 47.036  | ug/l | 99     |
| 6) Chloroethane               | 1.72 | 64  | 100863  | 49.556  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 204558  | 50.668  | ug/l | 98     |
| 8) Diethyl Ether              | 2.18 | 74  | 92339   | 50.497  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 126892  | 49.956  | ug/l | 99     |
| 10) Methyl Iodide             | 2.50 | 142 | 129997  | 45.300  | ug/l | 99     |
| 11) Tert butyl alcohol        | 3.03 | 59  | 156684  | 282.181 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 126139  | 48.118  | ug/l | 99     |
| 13) Acrolein                  | 2.28 | 56  | 119765  | 229.517 | ug/l | 100    |
| 14) Allyl chloride            | 2.72 | 41  | 245170  | 53.637  | ug/l | 93     |
| 15) Acrylonitrile             | 3.13 | 53  | 402315  | 290.938 | ug/l | 98     |
| 16) Acetone                   | 2.43 | 43  | 312131  | 240.826 | ug/l | 98     |
| 17) Carbon Disulfide          | 2.56 | 76  | 331012  | 45.468  | ug/l | 99     |
| 18) Methyl Acetate            | 2.76 | 43  | 173511  | 54.750  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 3.18 | 73  | 433018  | 52.860  | ug/l | 99     |
| 20) Methylene Chloride        | 2.84 | 84  | 150440  | 49.598  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 138353  | 49.427  | ug/l | 97     |
| 22) Diisopropyl ether         | 3.84 | 45  | 498953  | 54.789  | ug/l | 95     |
| 23) Vinyl Acetate             | 3.80 | 43  | 2092532 | 279.531 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 259564  | 51.355  | ug/l | 99     |
| 25) 2-Butanone                | 4.65 | 43  | 537711  | 283.384 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 193381  | 48.196  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96  | 163098  | 51.938  | ug/l | 99     |
| 28) Bromochloromethane        | 5.00 | 49  | 122105  | 53.054  | ug/l | 97     |
| 29) Tetrahydrofuran           | 5.11 | 42  | 358319  | 292.953 | ug/l | 96     |
| 30) Chloroform                | 5.20 | 83  | 250020  | 50.752  | ug/l | 99     |
| 31) Cyclohexane               | 5.58 | 56  | 231075  | 51.256  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 209347  | 51.265  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 190414  | 49.617  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.82 | 43  | 210826  | 59.223  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 179924  | 49.669  | ug/l | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031220\  
 Data File : VX015241.D  
 Acq On : 12 Mar 2020 18:22  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 3/16/2020 11:43:55 AM

Quant Time: Mar 13 04:35:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X030420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 04 14:19:10 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 229858   | 51.294   | ug/l   | 98       |
| 40) Benzene                    | 6.14  | 78   | 583710   | 51.266   | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.03  | 41   | 120895   | 56.539   | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 192731   | 49.291   | ug/l   | 98       |
| 43) Isopropyl Acetate          | 6.44  | 43   | 346749   | 55.369   | ug/l   | 99       |
| 44) Trichloroethene            | 7.21  | 130  | 160996   | 50.773   | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 157681   | 53.503   | ug/l   | 96       |
| 46) Dibromomethane             | 7.65  | 93   | 98753    | 51.425   | ug/l   | 97       |
| 47) Bromodichloromethane       | 7.89  | 83   | 181986   | 47.923   | ug/l   | 100      |
| 48) Methyl methacrylate        | 7.76  | 41   | 159900   | 50.166   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 71061    | 1031.138 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 1006729  | 271.886  | ug/l   | 100      |
| 52) Toluene                    | 8.78  | 92   | 341075   | 48.992   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 204300   | 50.545   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 229147   | 50.148   | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 138482   | 48.328   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 223220   | 54.615   | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 237493   | 49.265   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 562473   | 252.615  | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.48  | 43   | 753227   | 274.456  | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.57  | 129  | 150287   | 49.929   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 143959   | 47.831   | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.33  | 164  | 153166   | 50.721   | ug/l   | 97       |
| 65) Chlorobenzene              | 10.14 | 112  | 375190   | 51.167   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 138724   | 50.173   | ug/l   | 98       |
| 67) Ethyl Benzene              | 10.25 | 91   | 659599   | 52.974   | ug/l   | 98       |
| 68) m/p-Xylenes                | 10.36 | 106  | 501767   | 105.918  | ug/l   | 100      |
| 69) o-Xylene                   | 10.70 | 106  | 241159   | 53.169   | ug/l   | 99       |
| 70) Styrene                    | 10.71 | 104  | 426663   | 54.862   | ug/l   | 99       |
| 71) Bromoform                  | 10.86 | 173  | 118439   | 55.240   | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.01 | 105  | 650414   | 52.167   | ug/l   | 99       |
| 74) N-amyl acetate             | 10.89 | 43   | 289143   | 55.029   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 207792   | 50.009   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 203270m  | 52.212   | ug/l   |          |
| 77) Bromobenzene               | 11.25 | 156  | 173772   | 50.012   | ug/l   | 97       |
| 78) n-propylbenzene            | 11.35 | 91   | 738701   | 51.860   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 434075   | 51.029   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 534868   | 51.534   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 69396    | 50.588   | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 501233   | 49.874   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 536819   | 53.491   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 550337   | 52.781   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 633492   | 52.290   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 589617   | 52.825   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 307579   | 50.355   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 311218   | 49.351   | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 511221   | 51.497   | ug/l   | 99       |
| 90) Hexachloroethane           | 12.59 | 117  | 103236   | 48.923   | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 307145   | 50.577   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 43892    | 52.753   | ug/l   | 90       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031220\  
Data File : VX015241.D  
Acq On : 12 Mar 2020 18:22  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

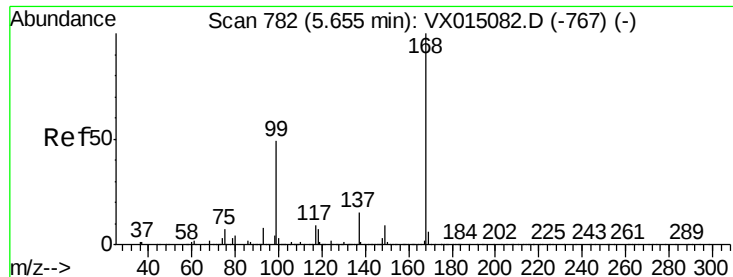
MMDadoda  
3/16/2020 11:43:55 AM

Quant Time: Mar 13 04:35:04 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X030420W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 04 14:19:10 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180  | 224977   | 53.370 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 113655   | 52.542 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 644889   | 49.920 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 223247   | 53.080 | ug/l  | 99       |

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





#1

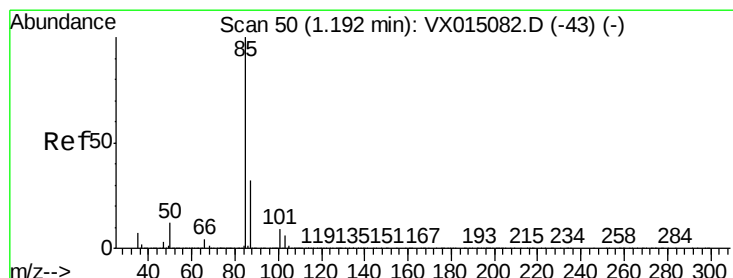
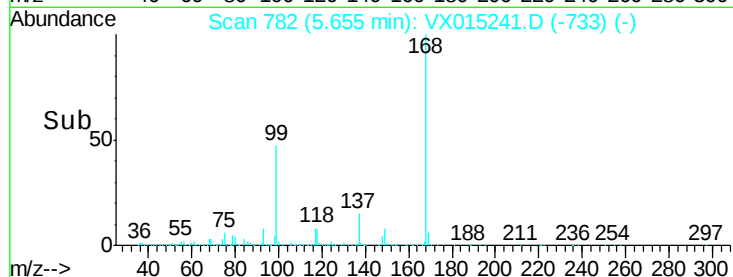
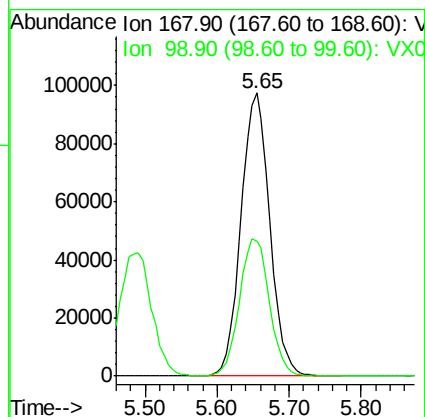
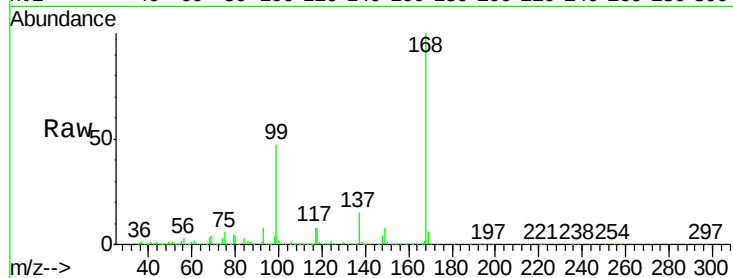
Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.65 min Scan# 782  
 Delta R.T. 0.00 min  
 Lab File: VX015241.D  
 Acq: 12 Mar 2020 18:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 99      | 47.1  | 39.4  | 59.2  |

Manual Integrations  
 APPROVED

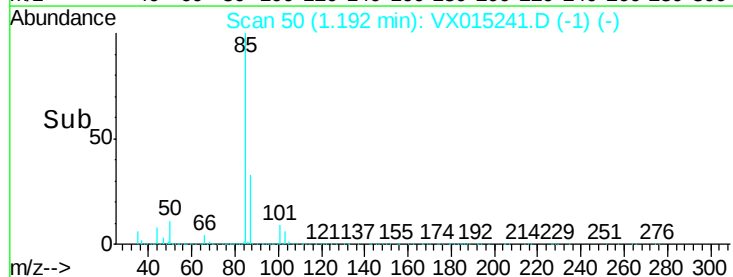
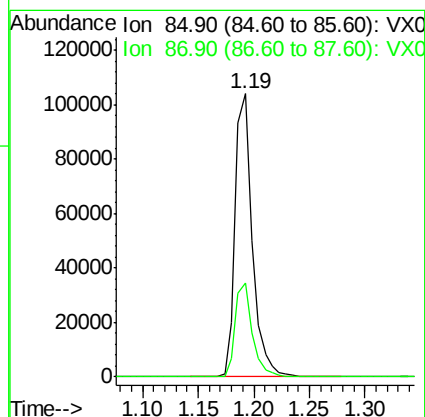
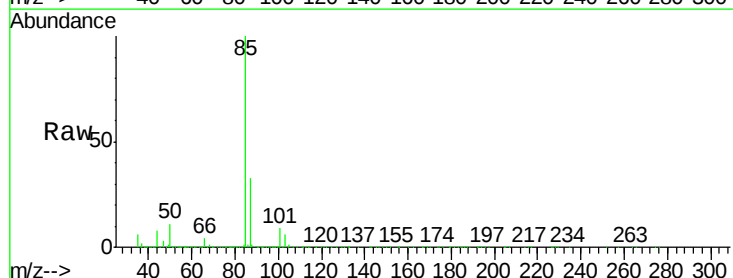
MMDadoda  
 3/16/2020 11:43:55 AM

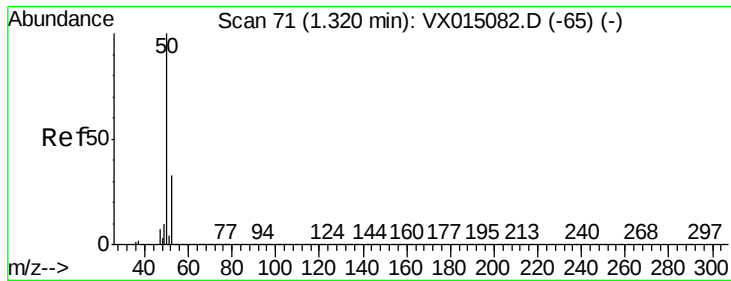


#2

Dichlorodifluoromethane  
 Concen: 47.100 ug/l  
 RT: 1.19 min Scan# 50  
 Delta R.T. 0.00 min  
 Lab File: VX015241.D  
 Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 32.9  | 16.2  | 48.5  |





#3

Chloromethane

Concen: 47.546 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 159094

Ion Ratio Lower Upper

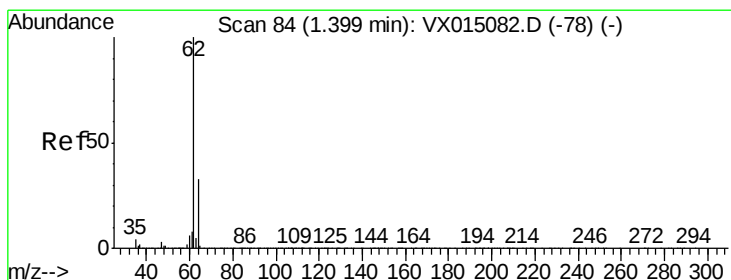
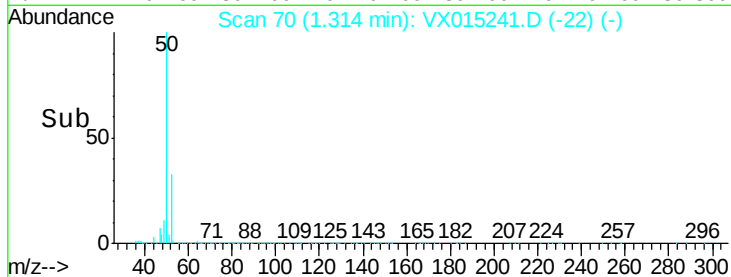
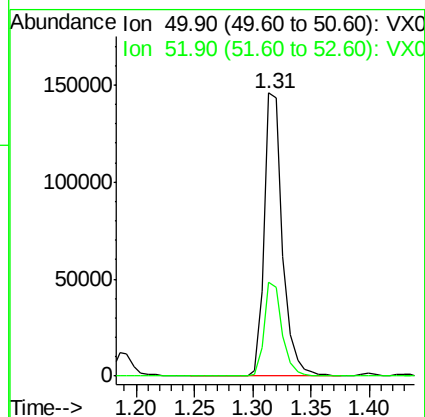
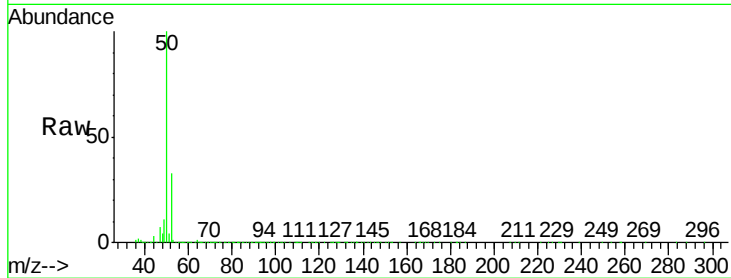
50 100

52 33.3 26.2 39.2

Manual Integrations  
APPROVED

MMDadoda

3/16/2020 11:43:55 AM



#4

Vinyl Chloride

Concen: 47.761 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX015241.D

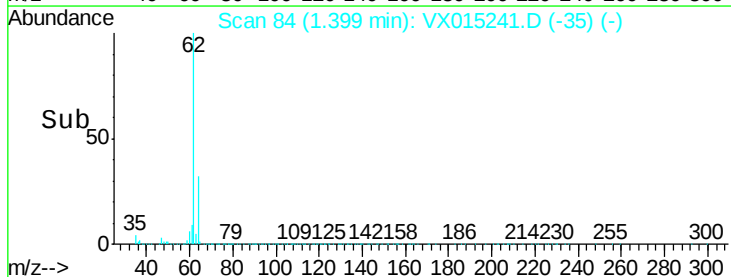
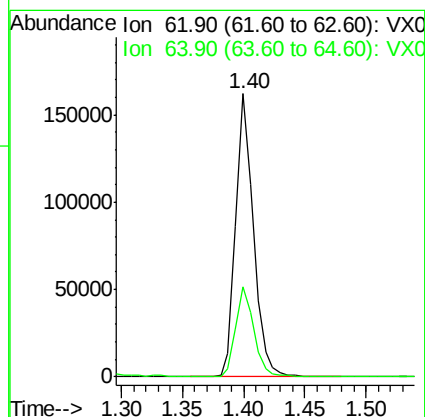
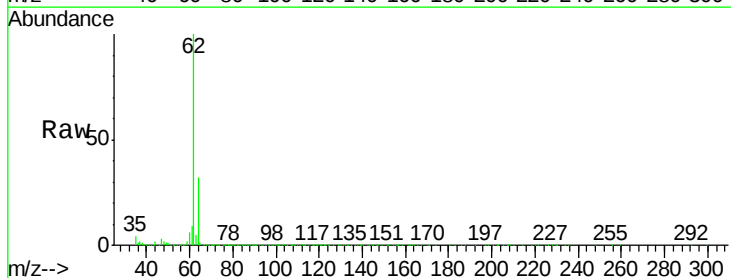
Acq: 12 Mar 2020 18:22

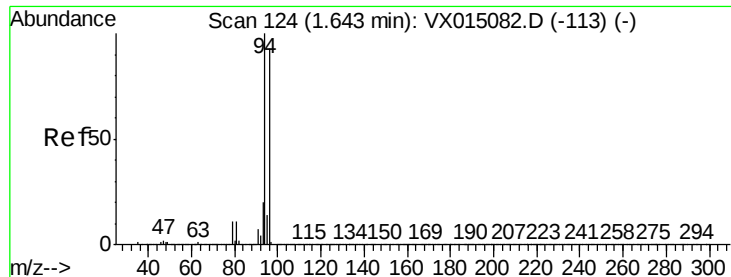
Tgt Ion: 62 Resp: 162051

Ion Ratio Lower Upper

62 100

64 31.6 26.1 39.1





#5

Bromomethane

Concen: 47.036 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.01 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 98116

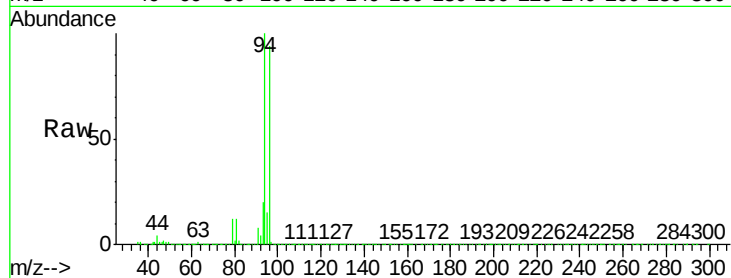
Ion Ratio Lower Upper

94 100

96 94.4 74.6 111.8

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 11:43:55 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

120000

100000

80000

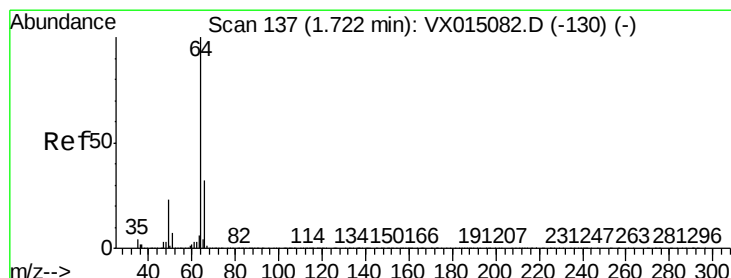
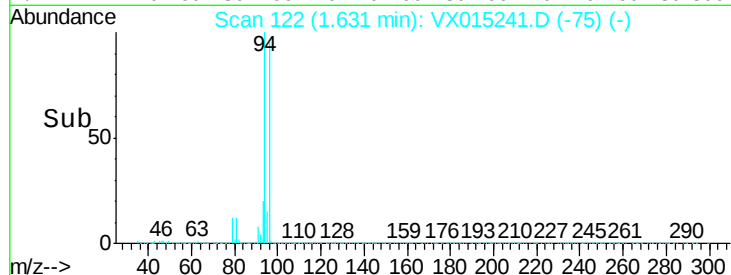
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 49.556 ug/l

RT: 1.72 min Scan# 136

Delta R.T. -0.01 min

Lab File: VX015241.D

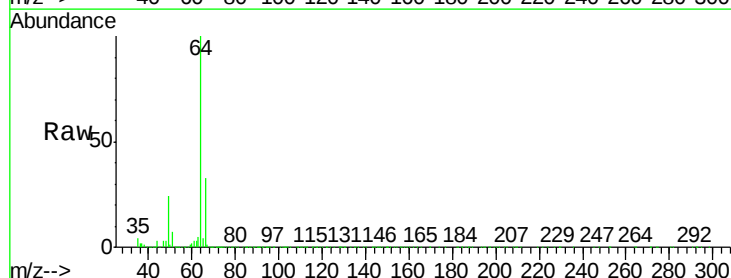
Acq: 12 Mar 2020 18:22

Tgt Ion: 64 Resp: 100863

Ion Ratio Lower Upper

64 100

66 33.3 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

80000

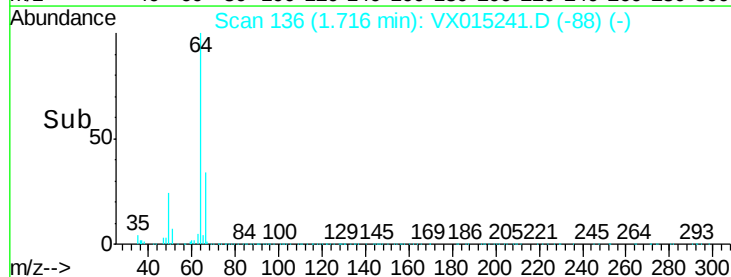
60000

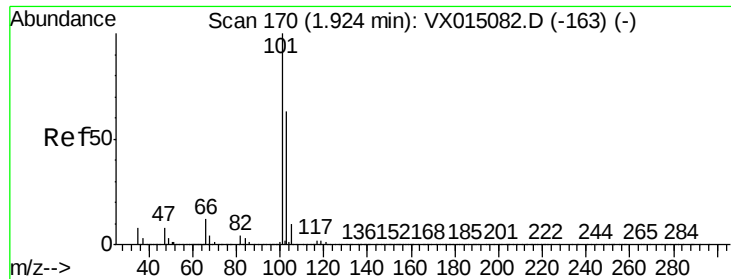
40000

20000

0

Time-->





#7

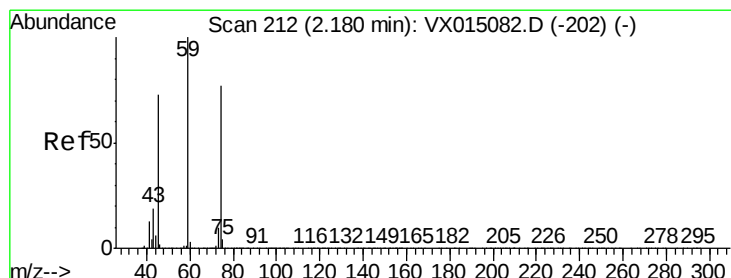
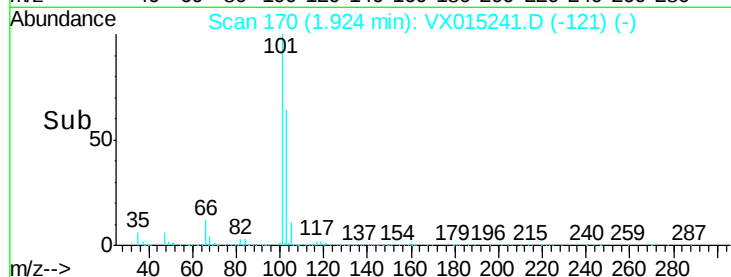
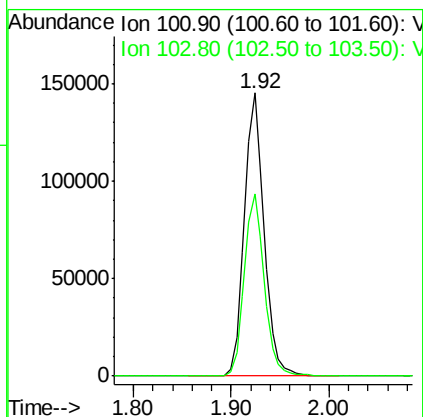
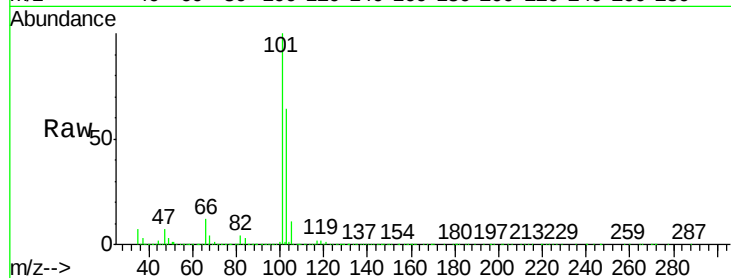
Trichlorofluoromethane  
Concen: 50.668 ug/l  
RT: 1.92 min Scan# 170  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.4  | 50.4  | 75.6  |

Manual Integrations  
APPROVED

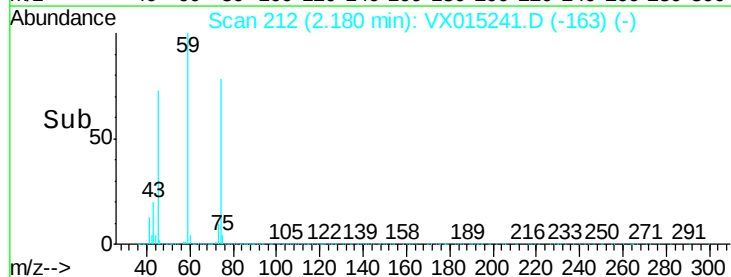
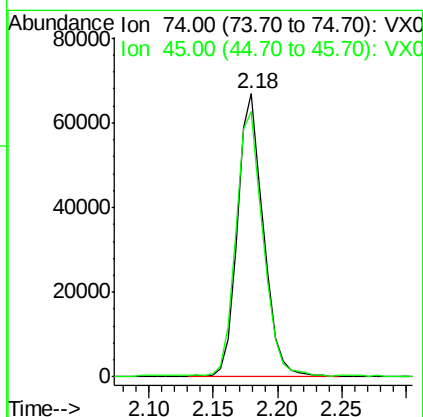
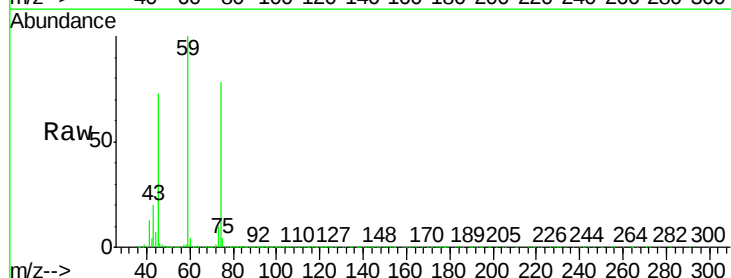
MMDadoda  
3/16/2020 11:43:55 AM

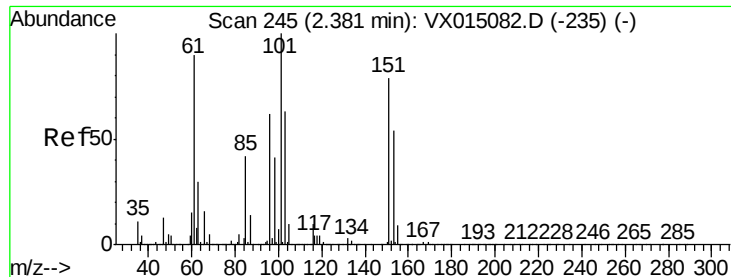


#8

Diethyl Ether  
Concen: 50.497 ug/l  
RT: 2.18 min Scan# 212  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 98.4  | 49.2  | 147.6 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.956 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

Instrument :

MSVOA\_X

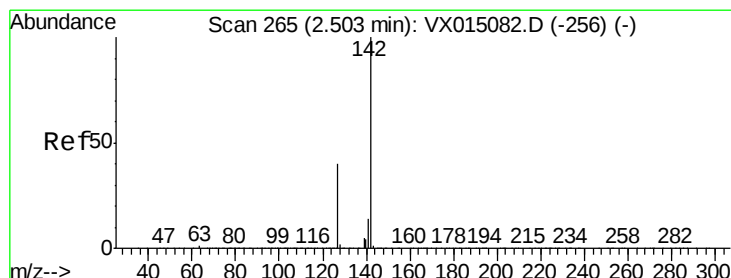
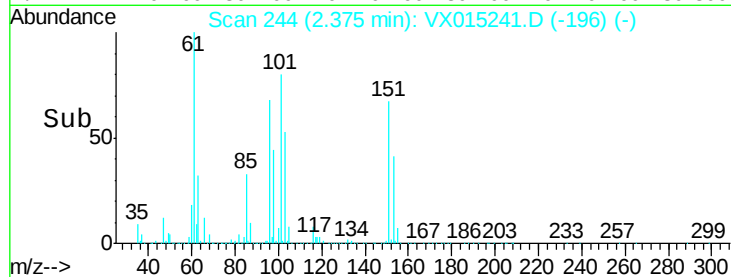
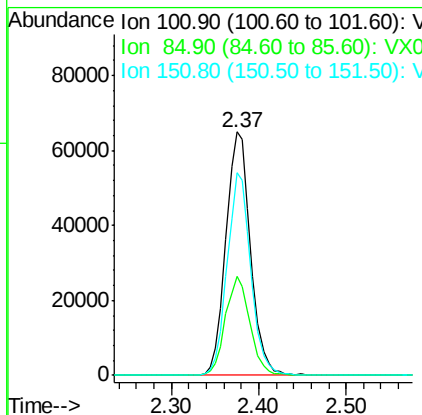
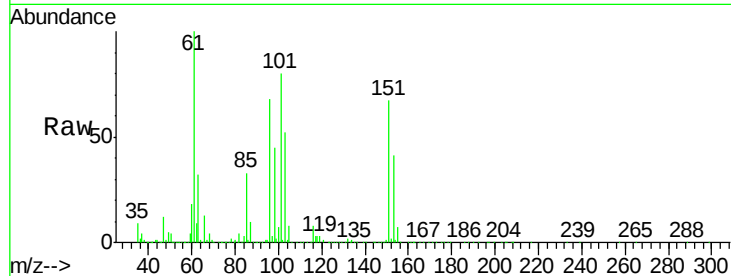
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 126892 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 40.5  | 33.7  | 50.5   |
| 151       | 80.1  | 64.0  | 96.0   |

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 11:43:55 AM



#10

Methyl Iodide

Concen: 45.300 ug/l

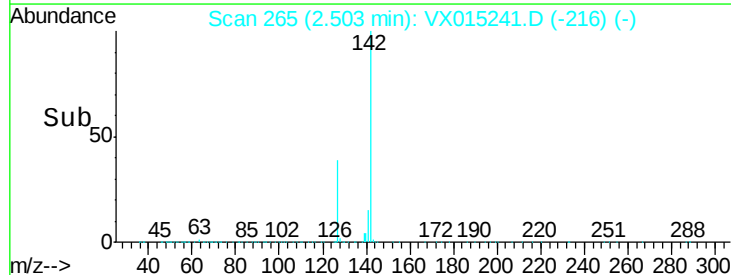
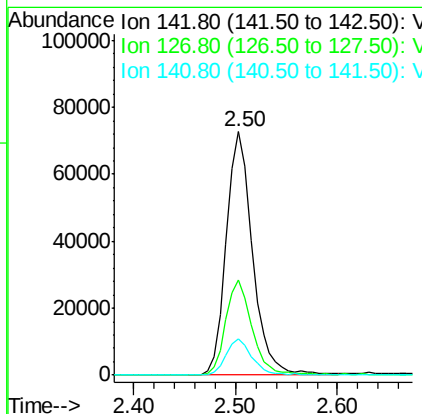
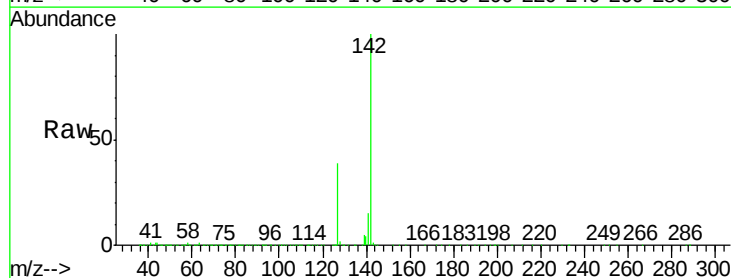
RT: 2.50 min Scan# 265

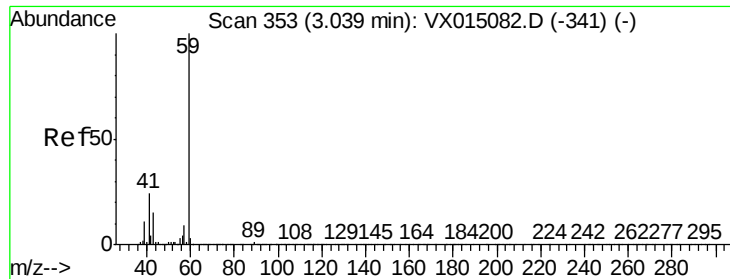
Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 129997 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 39.1  | 31.7  | 47.5   |
| 141       | 14.4  | 11.3  | 16.9   |





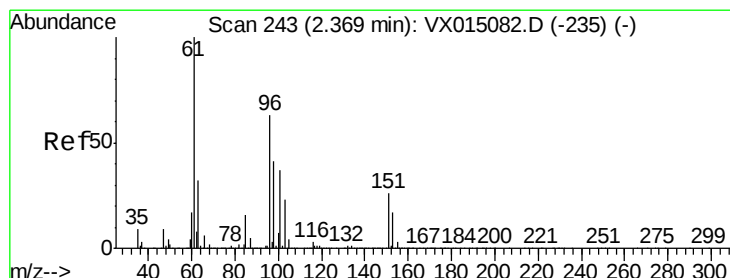
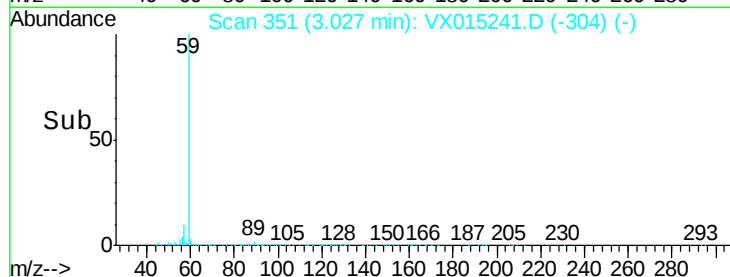
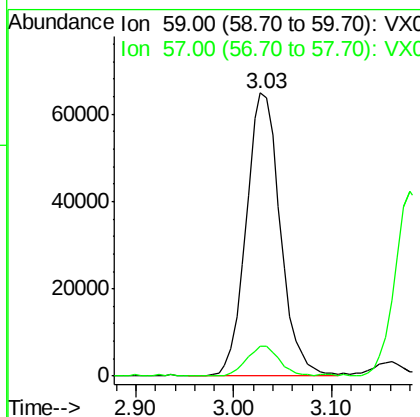
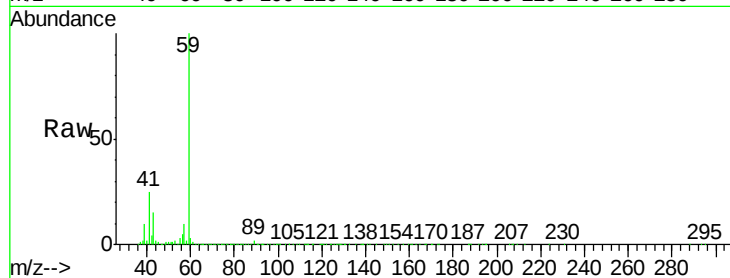
#11  
Tert butyl alcohol  
Concen: 282.181 ug/l  
RT: 3.03 min Scan# 351  
Delta R.T. -0.01 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 59 Resp: 156684  
Ion Ratio Lower Upper  
59 100  
57 9.9 8.2 12.4

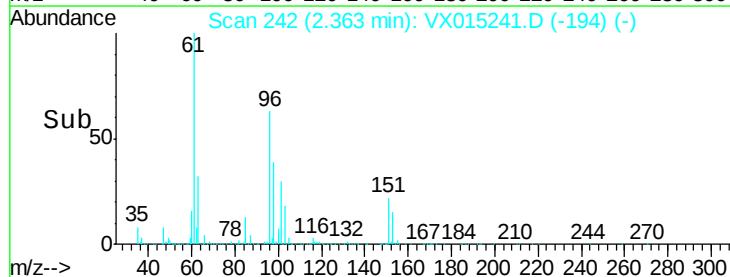
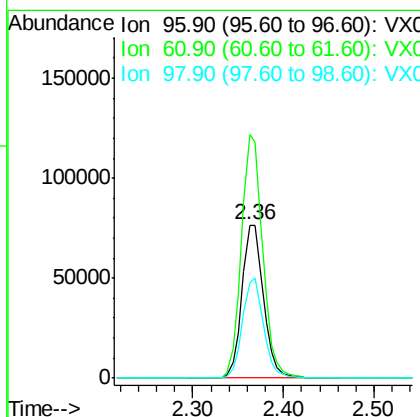
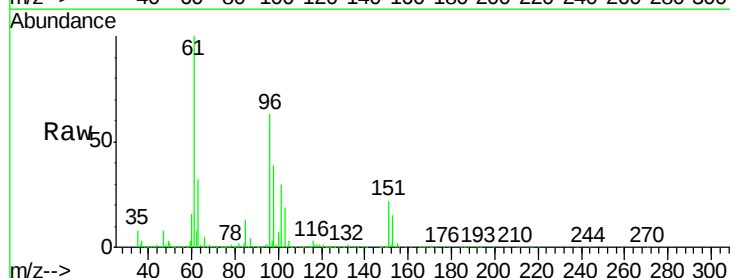
Manual Integrations  
APPROVED

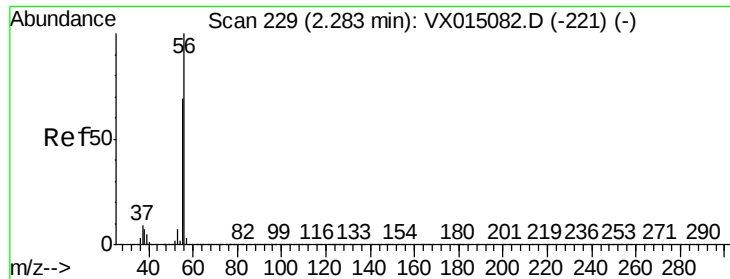
MMDadoda  
3/16/2020 11:43:55 AM



#12  
1,1-Dichloroethene  
Concen: 48.118 ug/l  
RT: 2.36 min Scan# 242  
Delta R.T. -0.01 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Tgt Ion: 96 Resp: 126139  
Ion Ratio Lower Upper  
96 100  
61 158.9 126.2 189.4  
98 62.3 51.4 77.0





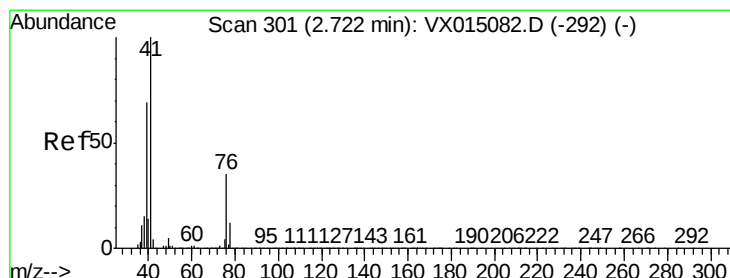
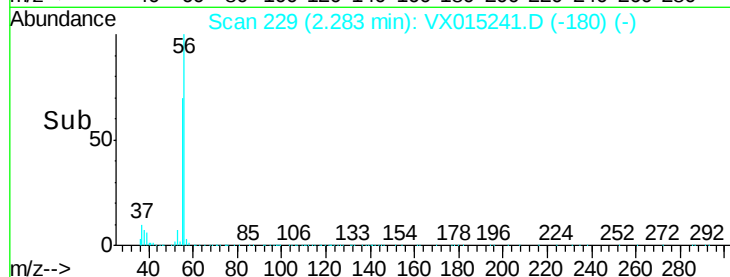
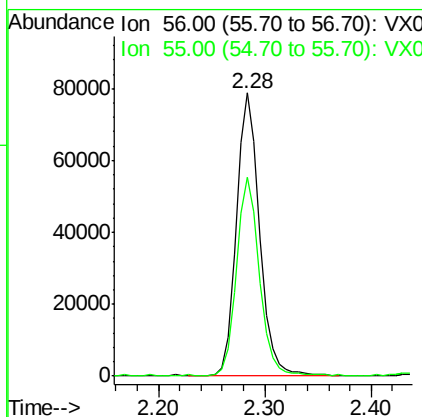
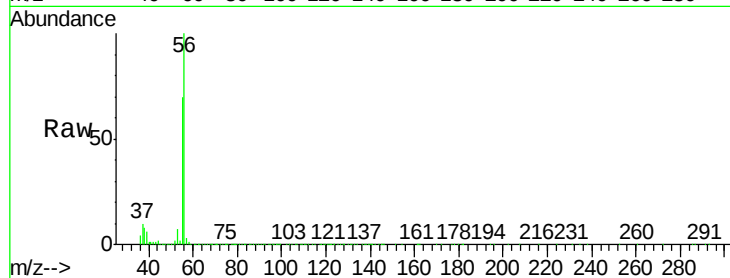
#13  
Acrolein  
Concen: 229.517 ug/l  
RT: 2.28 min Scan# 229  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 56      | 100  |       |       |       |
| 55      | 69.3 | 55.4  | 83.0  |       |

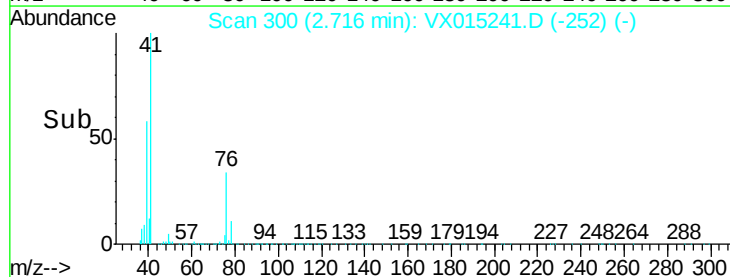
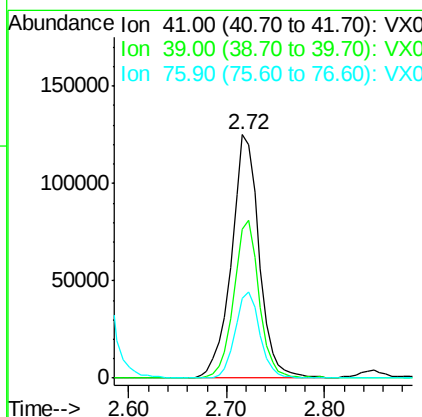
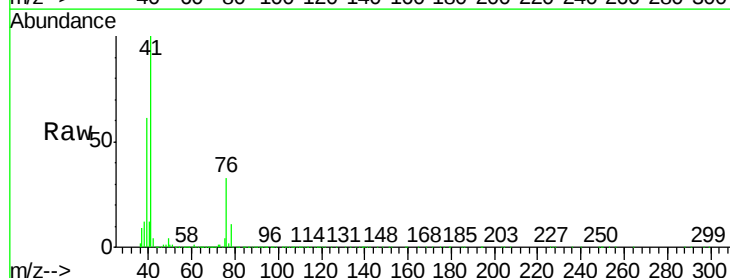
Manual Integrations  
APPROVED

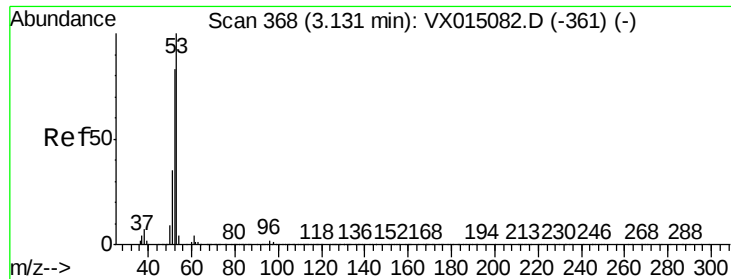
MMDadoda  
3/16/2020 11:43:55 AM



#14  
Allyl chloride  
Concen: 53.637 ug/l  
RT: 2.72 min Scan# 300  
Delta R.T. -0.01 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 59.4 | 52.9  | 79.3  |       |
| 76      | 31.8 | 26.8  | 40.2  |       |





#15

Acrylonitrile

Concen: 290.938 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

Instrument :

MSVOA\_X

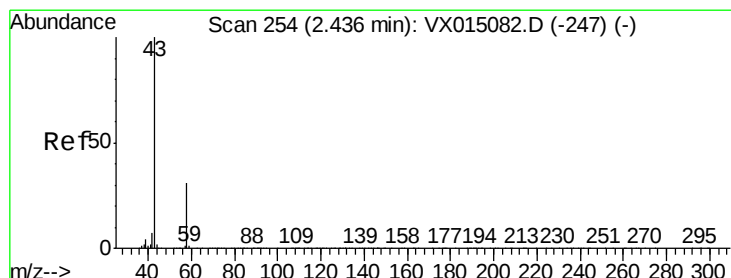
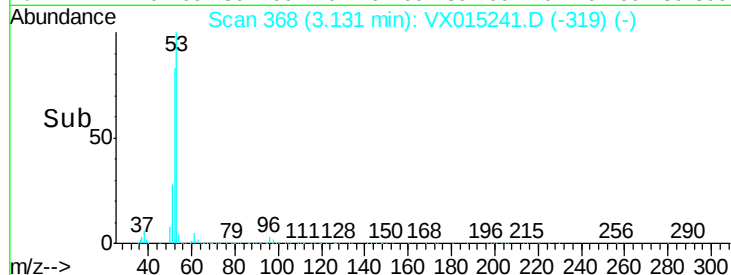
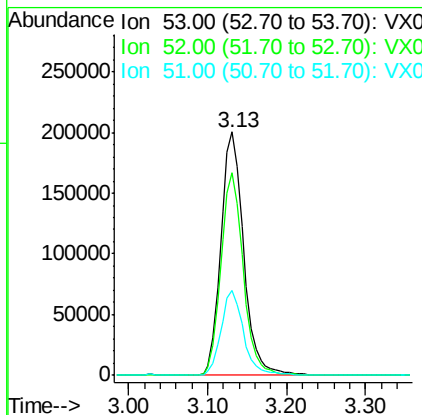
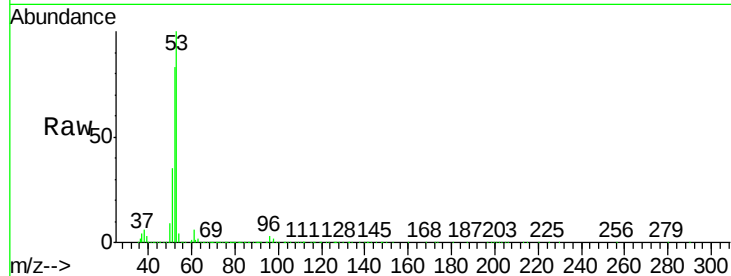
ClientSampleId :

VSTDCCC050EC

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 402315 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 81.9 | 66.6  | 100.0  |
| 51        | 34.7 | 29.0  | 43.6   |

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 11:43:55 AM



#16

Acetone

Concen: 240.826 ug/l

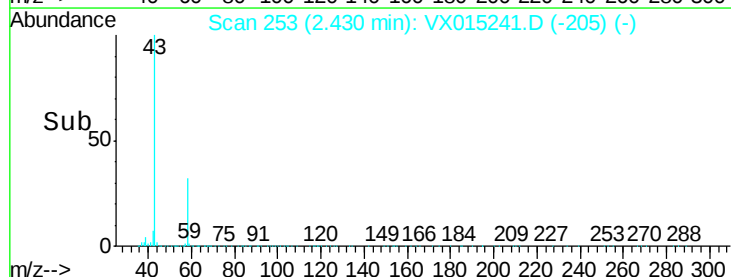
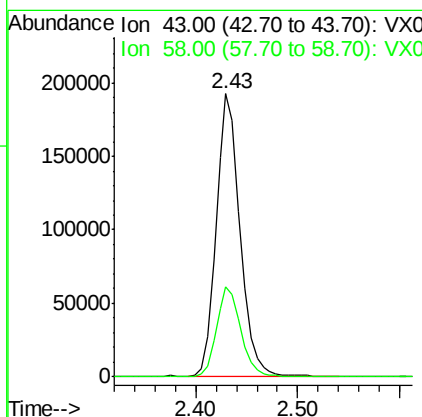
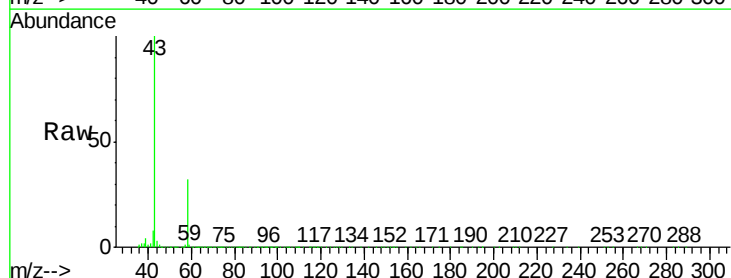
RT: 2.43 min Scan# 253

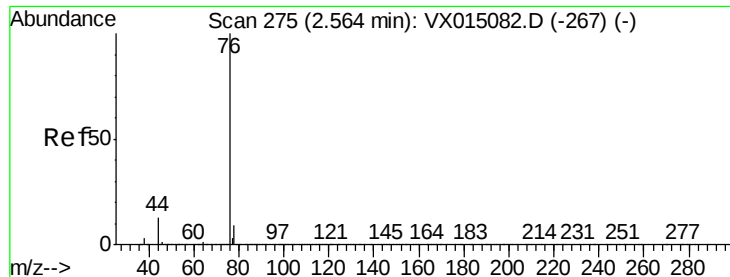
Delta R.T. -0.01 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 312131 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 32.0 | 24.8  | 37.2   |





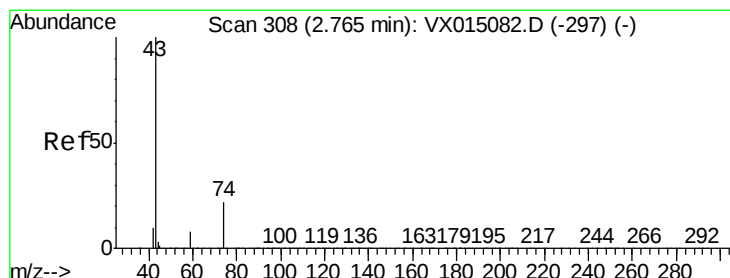
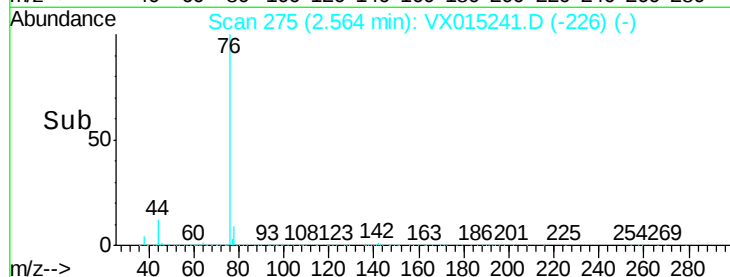
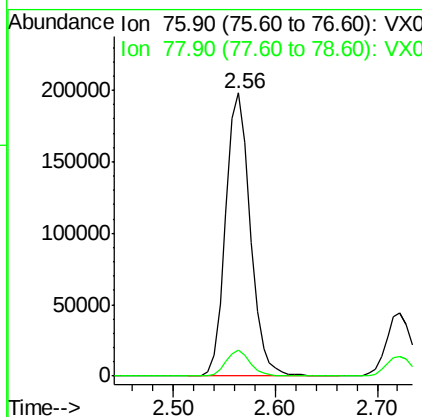
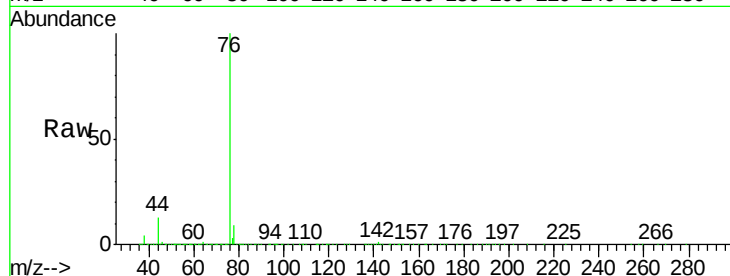
#17  
Carbon Disulfide  
Concen: 45.468 ug/l  
RT: 2.56 min Scan# 275  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.3   | 7.3   | 10.9  |

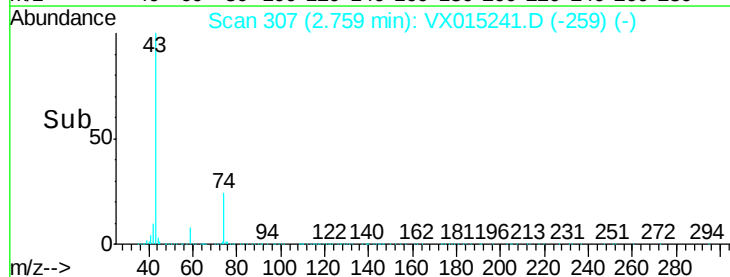
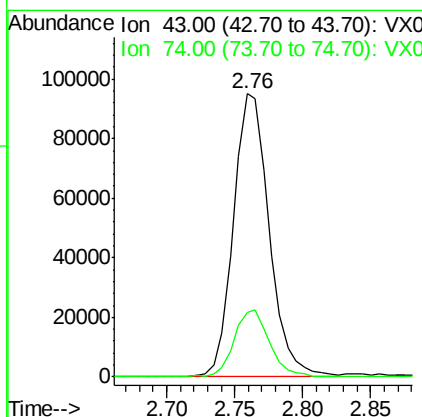
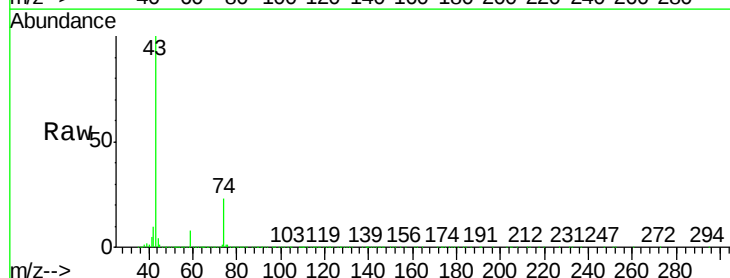
Manual Integrations  
APPROVED

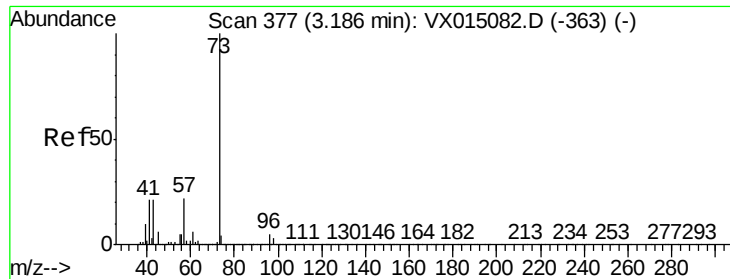
MMDadoda  
3/16/2020 11:43:55 AM



#18  
Methyl Acetate  
Concen: 54.750 ug/l  
RT: 2.76 min Scan# 307  
Delta R.T. -0.01 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.5  | 18.8  | 28.2  |





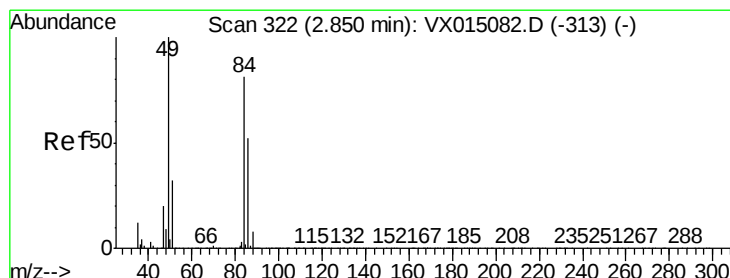
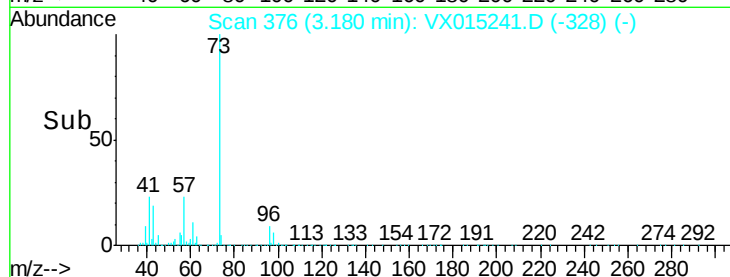
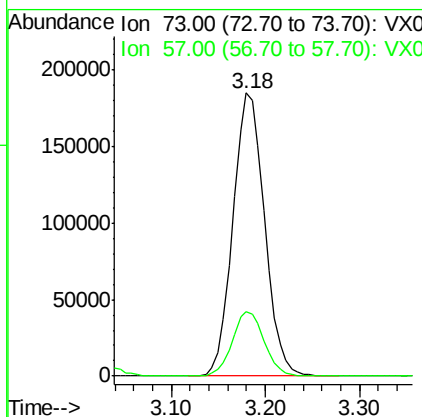
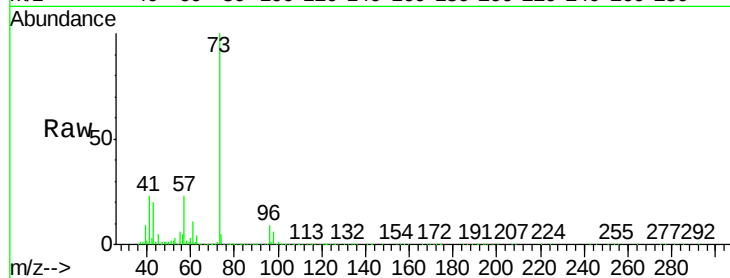
#19  
Methvl tert-butvl Ether  
Concen: 52.860 ug/l  
RT: 3.18 min Scan# 376  
Delta R.T. -0.01 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.8  | 17.8  | 26.6  |

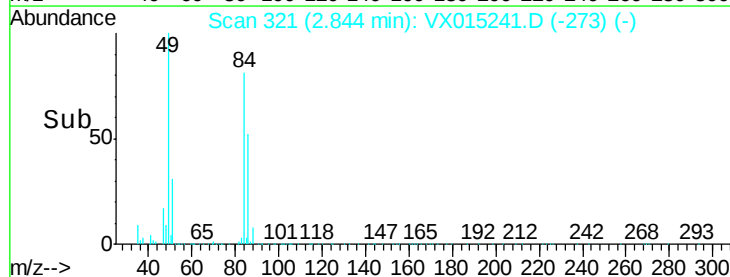
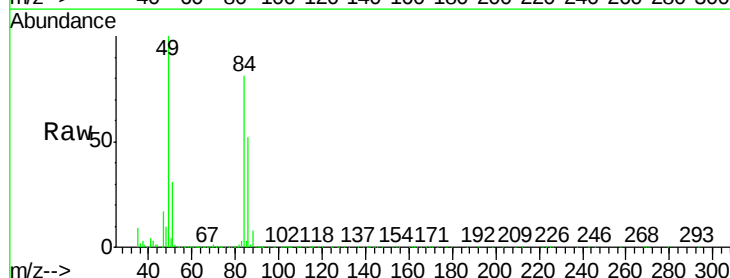
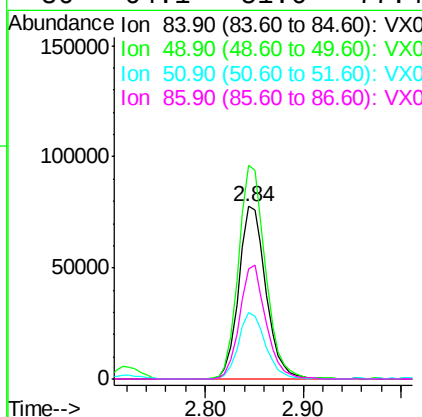
Manual Integrations  
APPROVED

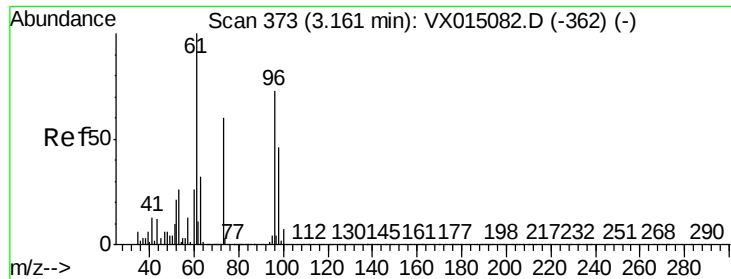
MMDadoda  
3/16/2020 11:43:55 AM



#20  
Methylene Chloride  
Concen: 49.598 ug/l  
RT: 2.84 min Scan# 321  
Delta R.T. -0.01 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 123.5 | 99.4  | 149.2 |
| 51      | 38.4  | 31.5  | 47.3  |
| 86      | 64.1  | 51.6  | 77.4  |





#21

trans-1,2-Dichloroethene

Concen: 49.427 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

Instrument :

MSVOA\_X

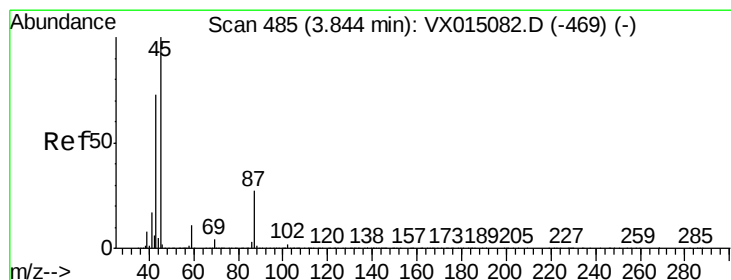
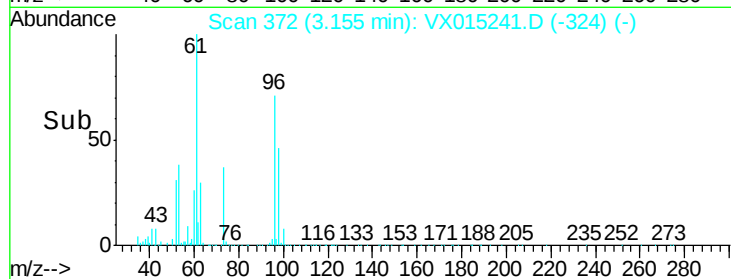
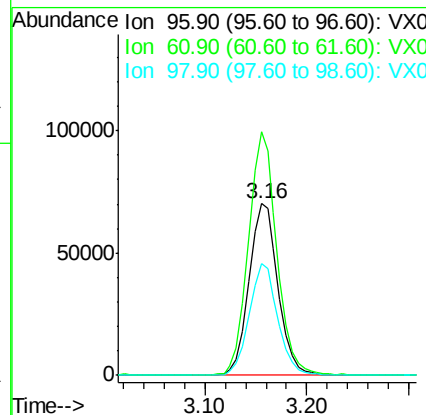
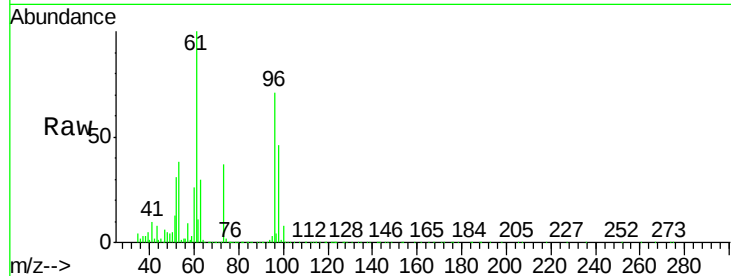
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 138353 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 141.6 | 109.9 | 164.9  |
| 98       | 65.3  | 50.2  | 75.2   |

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 11:43:55 AM



#22

Diisopropyl ether

Concen: 54.789 ug/l

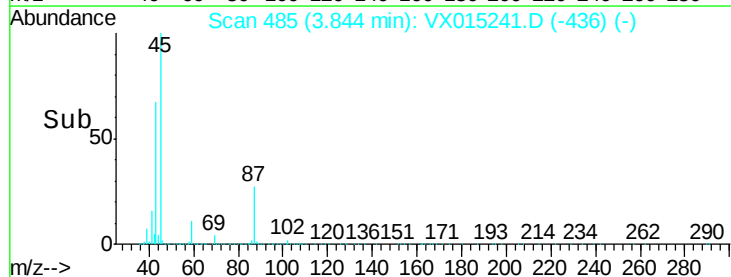
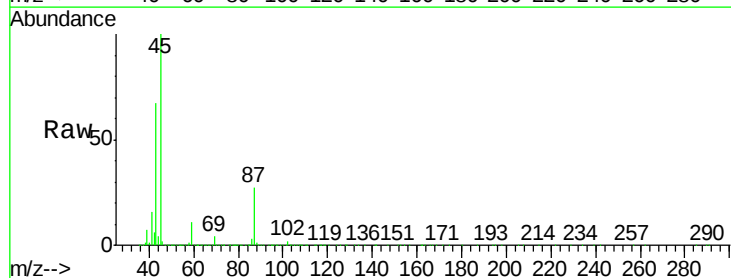
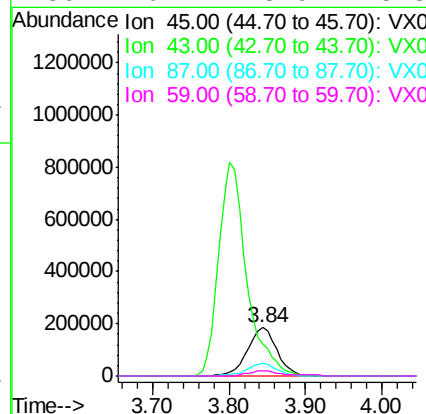
RT: 3.84 min Scan# 485

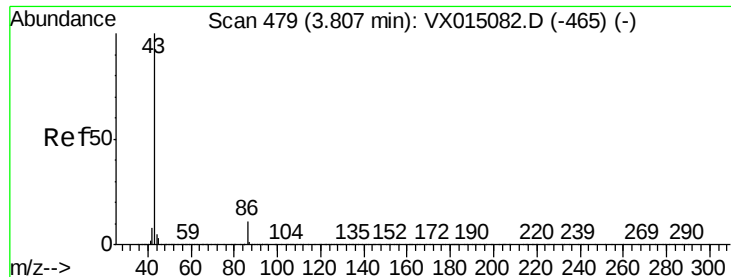
Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 498953 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 66.4  | 58.2  | 87.2   |
| 87       | 26.9  | 21.2  | 31.8   |
| 59       | 10.7  | 8.9   | 13.3   |





#23

Vinyl Acetate

Concen: 279.531 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2092532

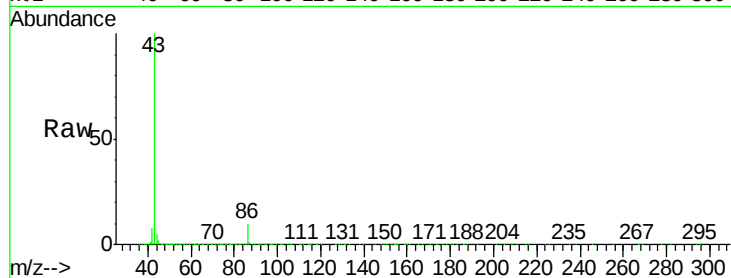
Ion Ratio Lower Upper

43 100

86 10.4 8.6 12.8

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 11:43:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

800000

600000

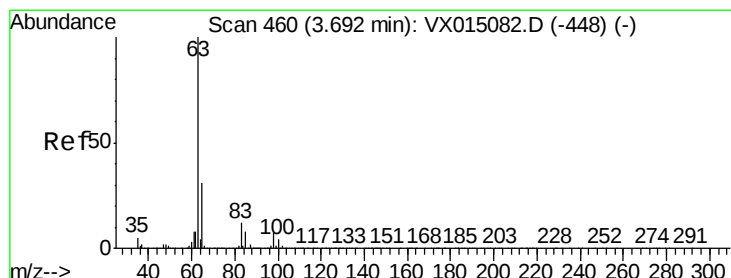
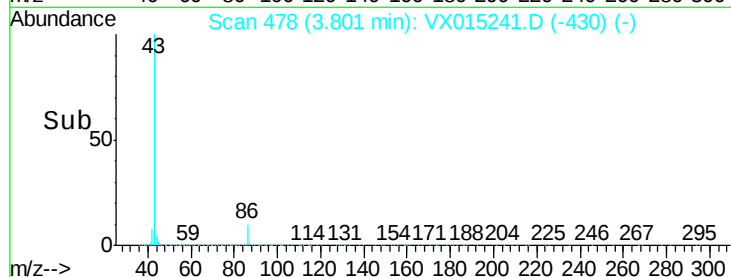
400000

200000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 51.355 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

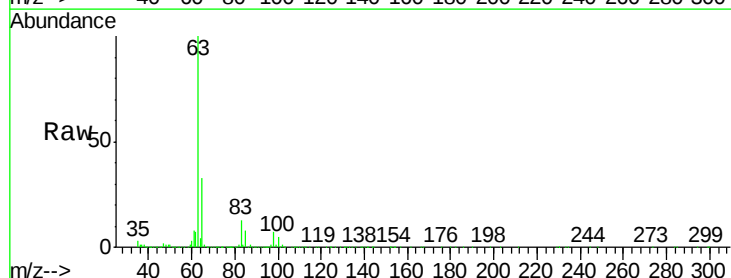
Tgt Ion: 63 Resp: 259564

Ion Ratio Lower Upper

63 100

98 6.9 3.7 11.1

100 4.5 2.1 6.5



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

150000

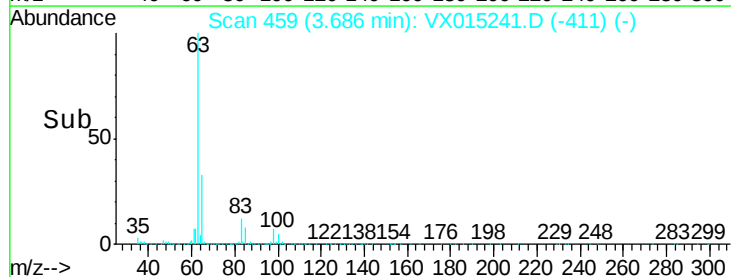
100000

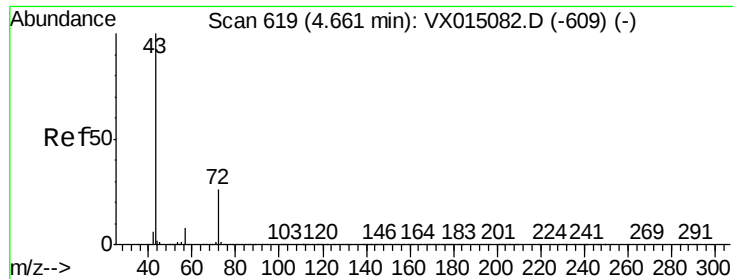
50000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 283.384 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 537711

Ion Ratio Lower Upper

43 100

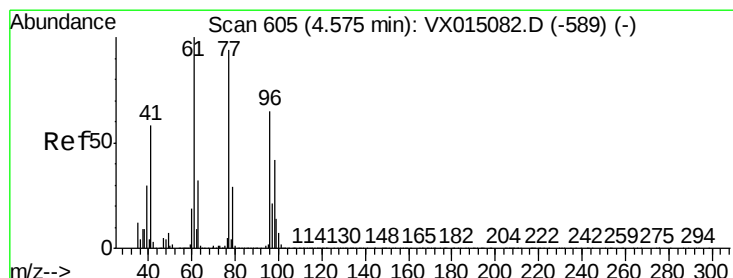
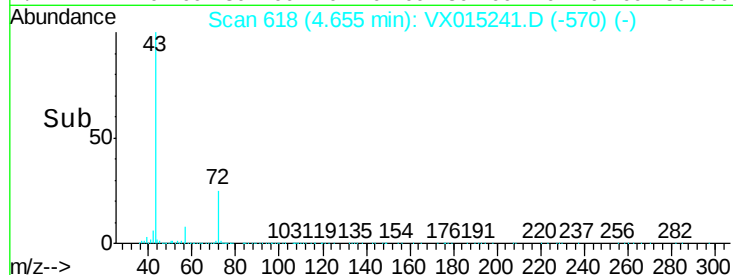
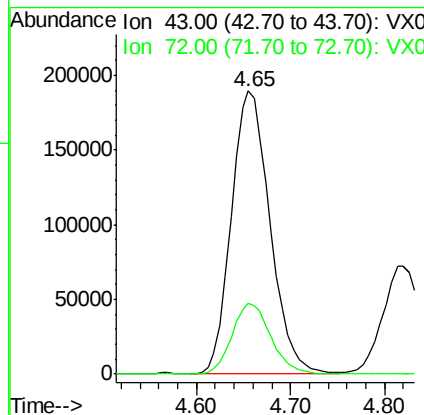
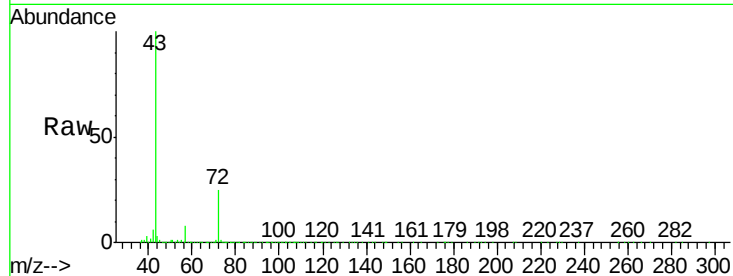
72 24.9 20.6 30.8

Manual Integrations

APPROVED

MMDadoda

3/16/2020 11:43:55 AM



#26

2,2-Dichloropropane

Concen: 48.196 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX015241.D

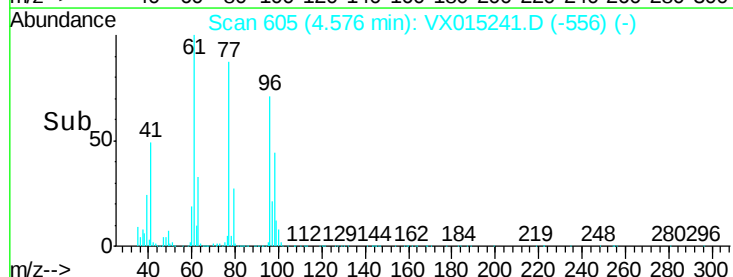
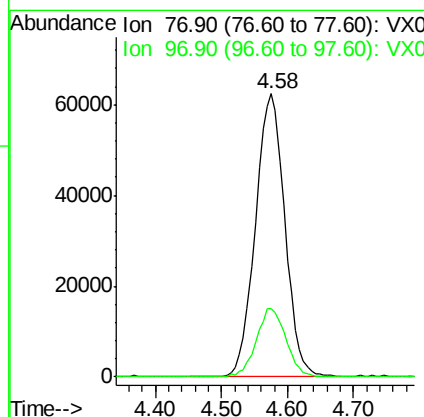
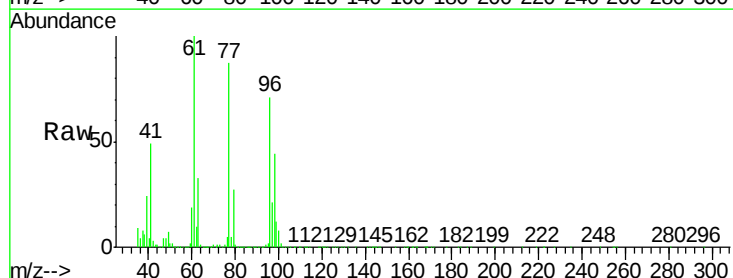
Acq: 12 Mar 2020 18:22

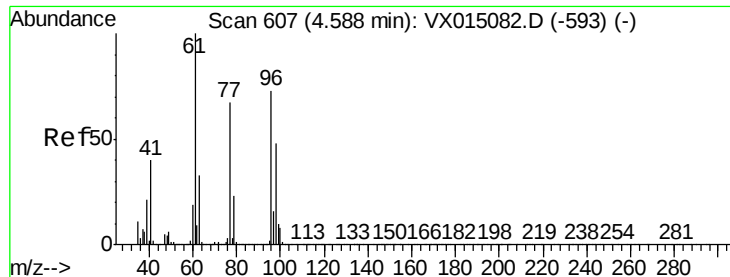
Tgt Ion: 77 Resp: 193381

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.4





#27

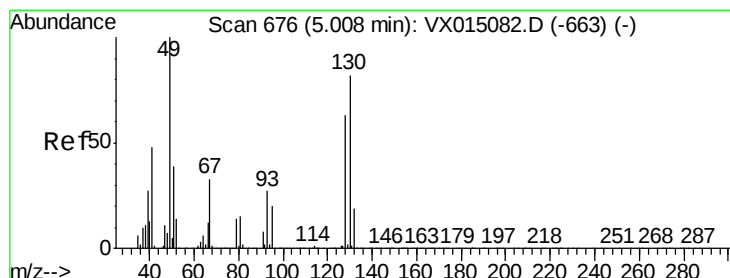
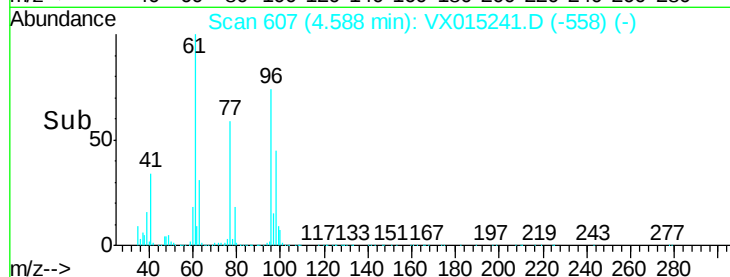
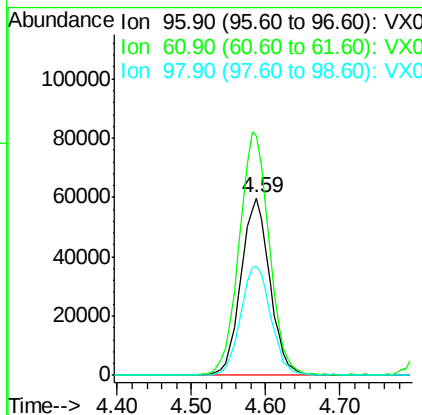
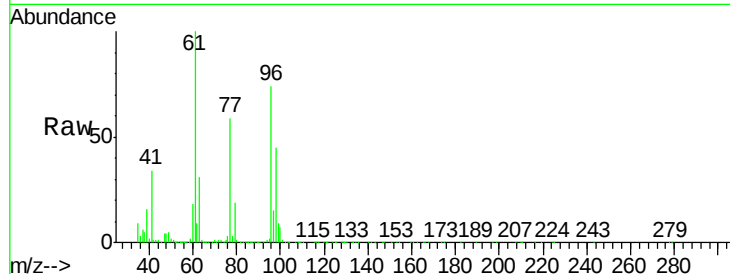
cis-1,2-Dichloroethene  
Concen: 51.938 ug/l  
RT: 4.59 min Scan# 607  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 163098 |       |       |
| 61      | 141.3 | 0.0    | 286.8 |       |
| 98      | 64.5  | 0.0    | 128.4 |       |

Manual Integrations  
APPROVED

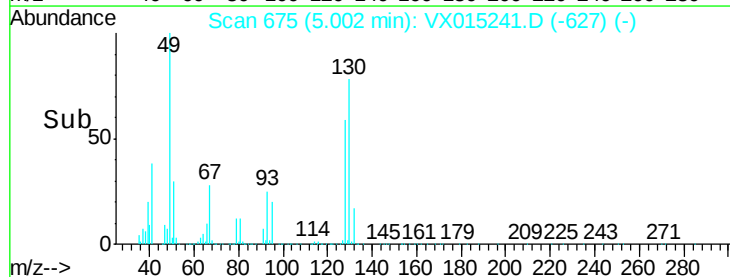
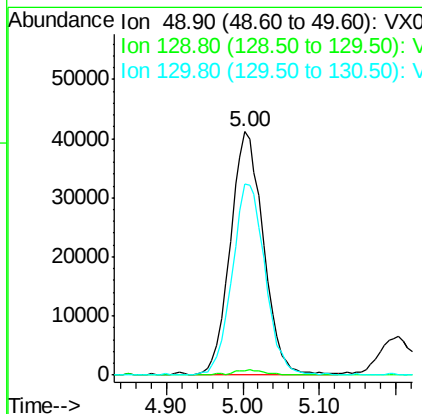
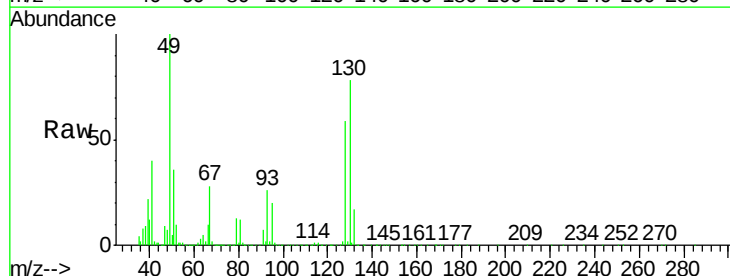
MMDadoda  
3/16/2020 11:43:55 AM

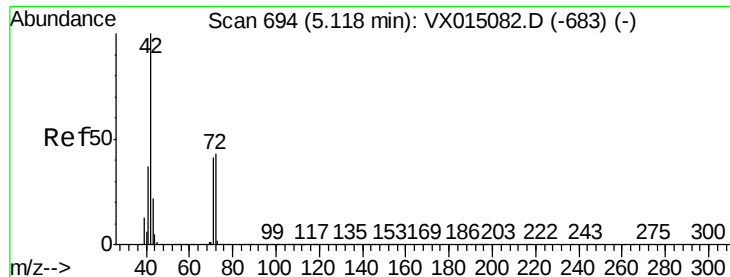


#28

Bromochloromethane  
Concen: 53.054 ug/l  
RT: 5.00 min Scan# 675  
Delta R.T. -0.01 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 122105 |       |       |
| 129     | 1.9   | 0.0    | 4.4   |       |
| 130     | 78.8  | 65.0   | 97.6  |       |





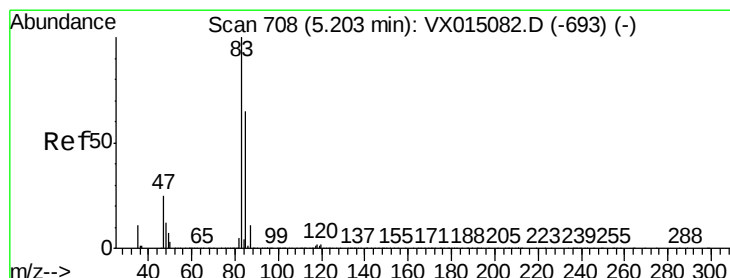
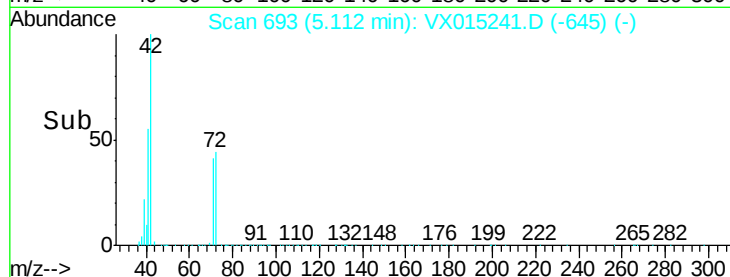
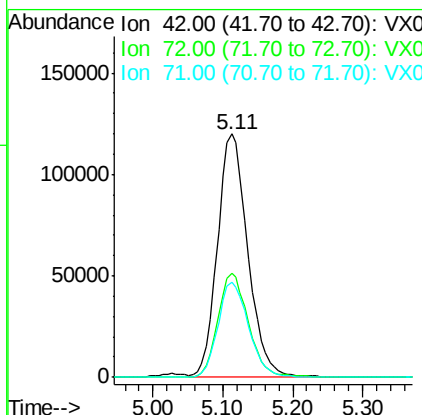
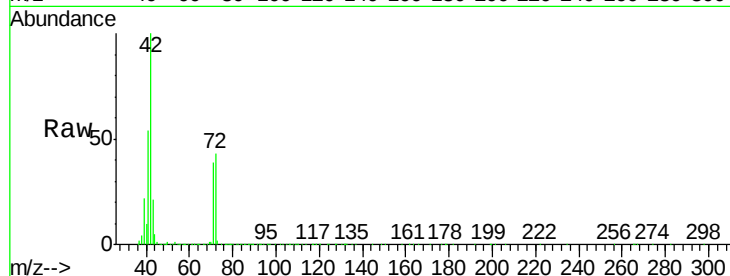
#29  
Tetrahydrofuran  
Concen: 292.953 ug/l  
RT: 5.11 min Scan# 693  
Delta R.T. -0.01 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.2  | 36.4  | 54.6  |
| 71      | 39.3  | 33.3  | 49.9  |

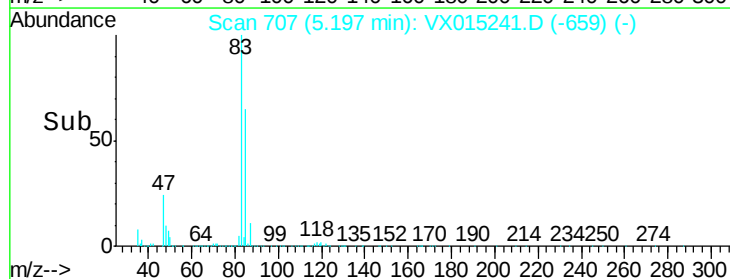
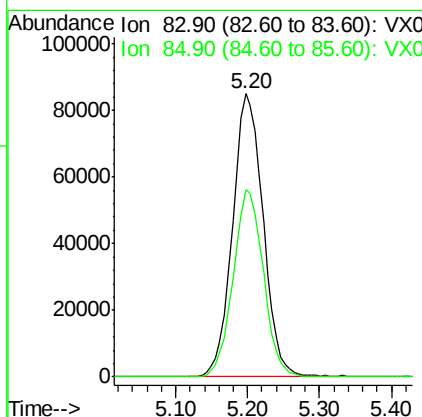
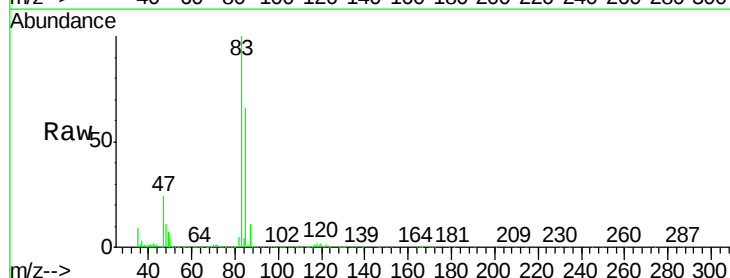
Manual Integrations  
APPROVED

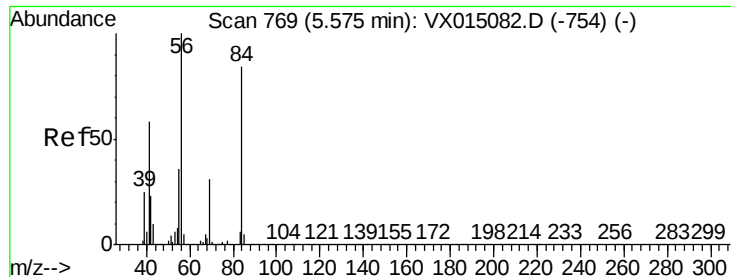
MMDadoda  
3/16/2020 11:43:55 AM



#30  
Chloroform  
Concen: 50.752 ug/l  
RT: 5.20 min Scan# 707  
Delta R.T. -0.01 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.1  | 52.0  | 78.0  |





#31

Cyclohexane

Concen: 51.256 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

Instrument :

MSVOA\_X

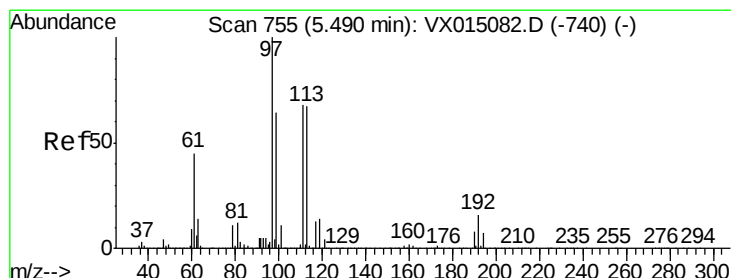
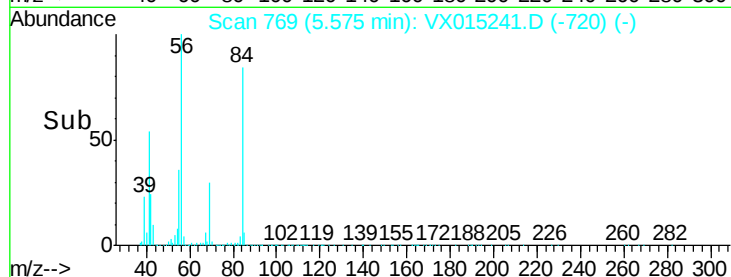
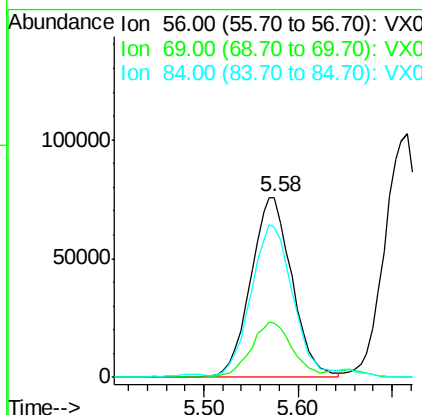
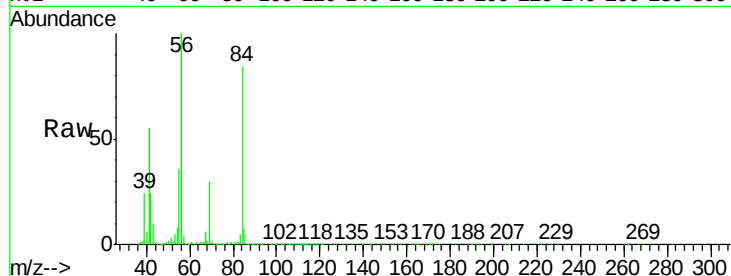
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 231075 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 30.0  | 25.0  | 37.6   |
| 84        | 82.2  | 67.6  | 101.4  |

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 11:43:55 AM



#32

1,1,1-Trichloroethane

Concen: 51.265 ug/l

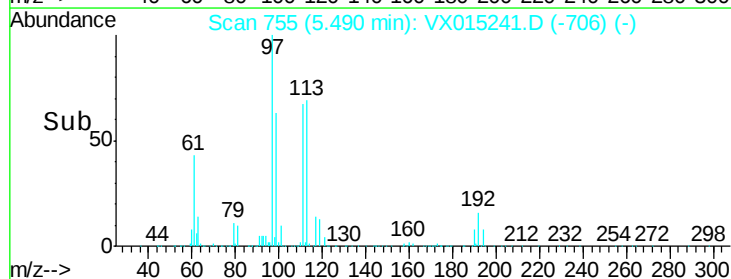
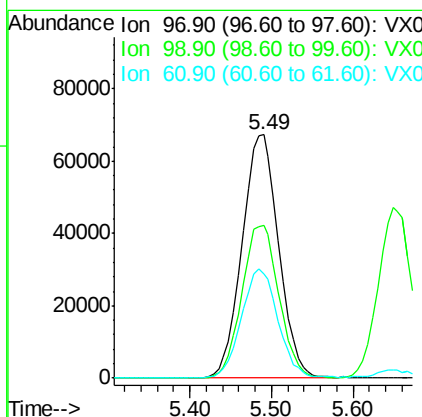
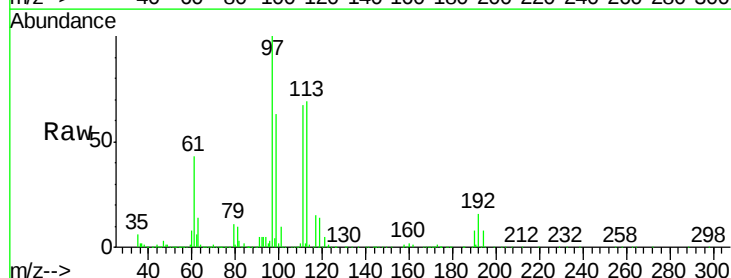
RT: 5.49 min Scan# 755

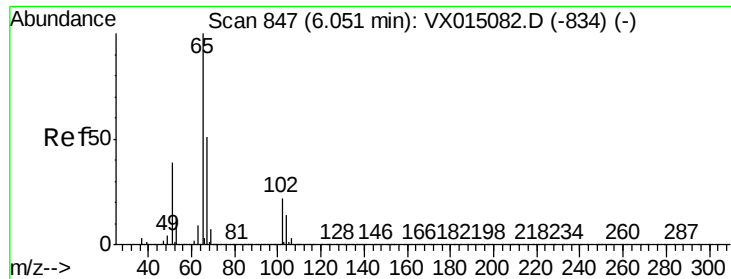
Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 209347 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 63.8  | 52.8  | 79.2   |
| 61        | 44.8  | 36.6  | 54.8   |





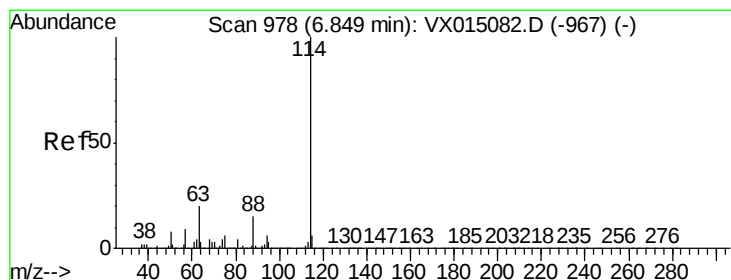
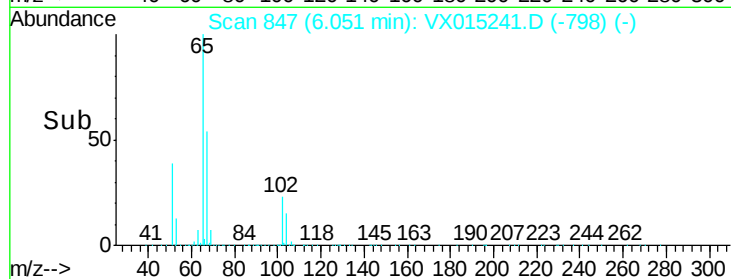
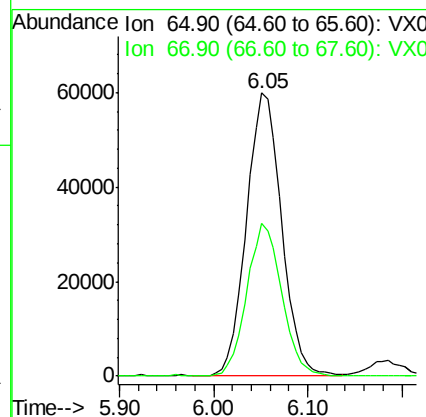
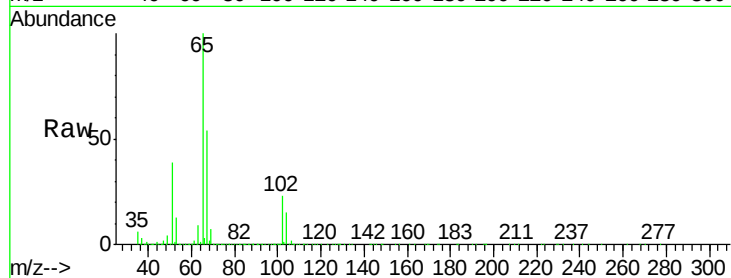
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.339 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. 0.00 min  
 Lab File: VX015241.D  
 Acq: 12 Mar 2020 18:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 154702 |       |       |
| 67      | 53.7  | 0.0    | 105.6 |       |

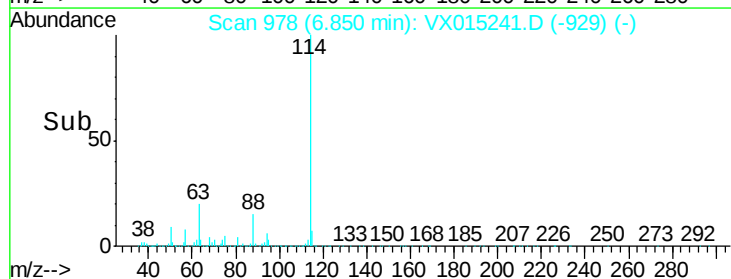
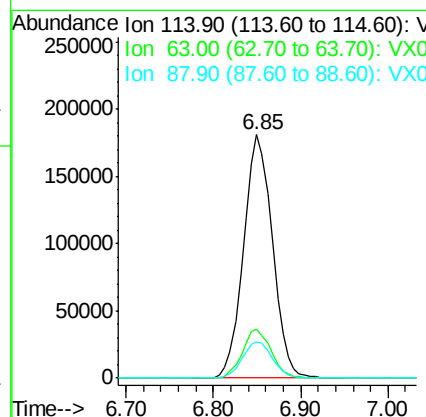
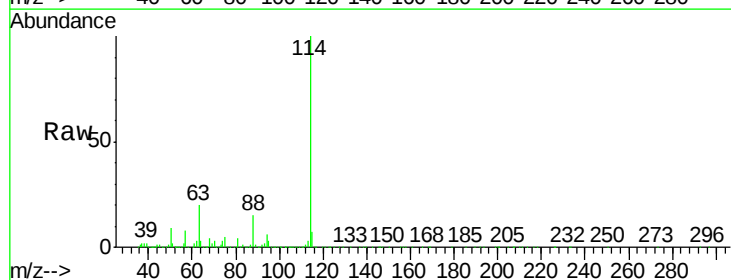
Manual Integrations  
 APPROVED

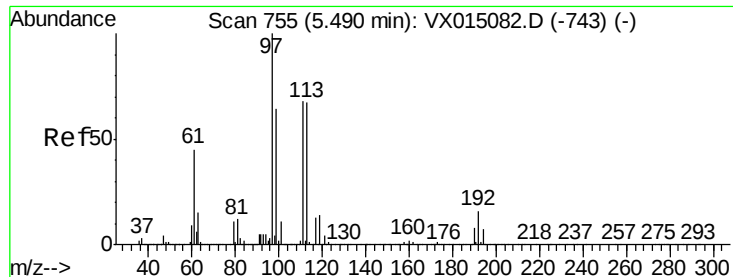
MMDadoda  
 3/16/2020 11:43:55 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. 0.00 min  
 Lab File: VX015241.D  
 Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 415131 |       |       |
| 63      | 20.0  | 0.0    | 40.0  |       |
| 88      | 15.1  | 0.0    | 30.6  |       |





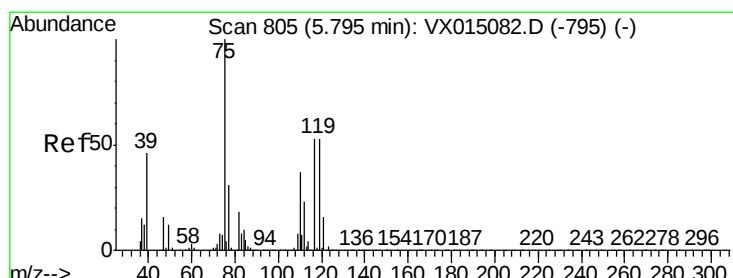
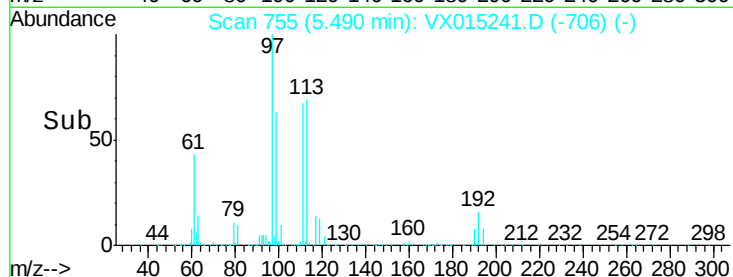
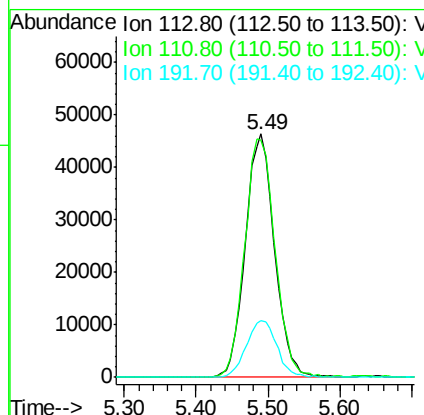
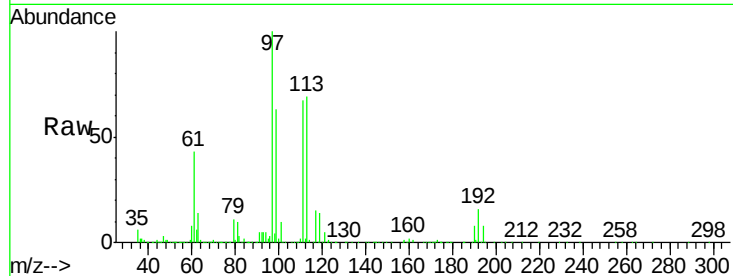
#35  
 Dibromofluoromethane  
 Concen: 49.980 ug/l  
 RT: 5.49 min Scan# 755  
 Delta R.T. 0.00 min  
 Lab File: VX015241.D  
 Acq: 12 Mar 2020 18:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 130895 |       |       |
| 111     | 101.9 | 82.6   | 123.8 |       |
| 192     | 24.6  | 18.6   | 28.0  |       |

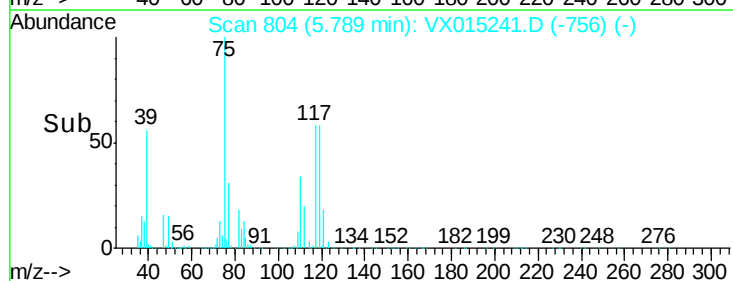
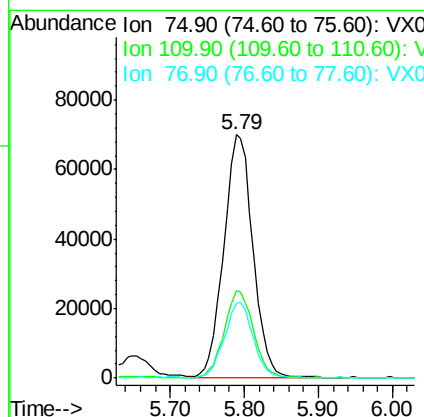
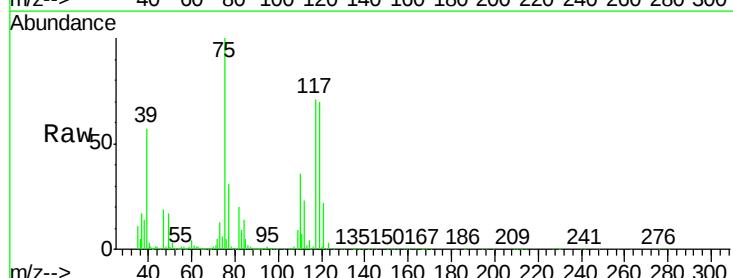
Manual Integrations  
 APPROVED

MMDadoda  
 3/16/2020 11:43:55 AM



#36  
 1,1-Dichloropropene  
 Concen: 49.617 ug/l  
 RT: 5.79 min Scan# 804  
 Delta R.T. -0.01 min  
 Lab File: VX015241.D  
 Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 190414 |       |       |
| 110     | 36.0  | 17.9   | 53.8  |       |
| 77      | 30.5  | 24.8   | 37.2  |       |





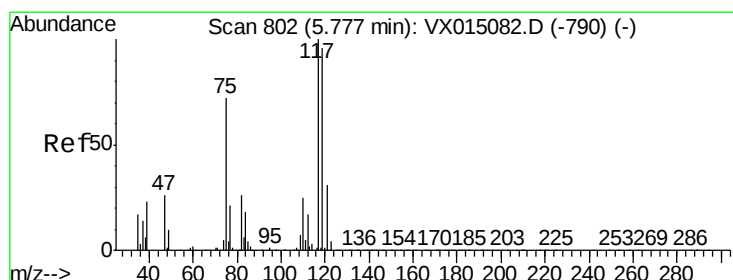
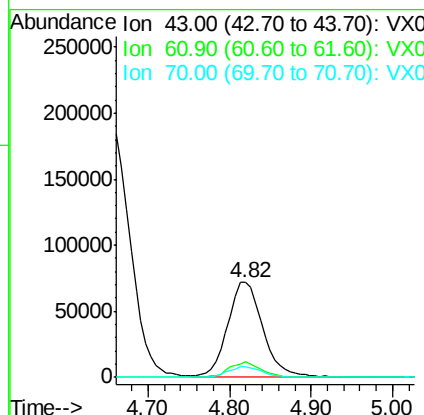
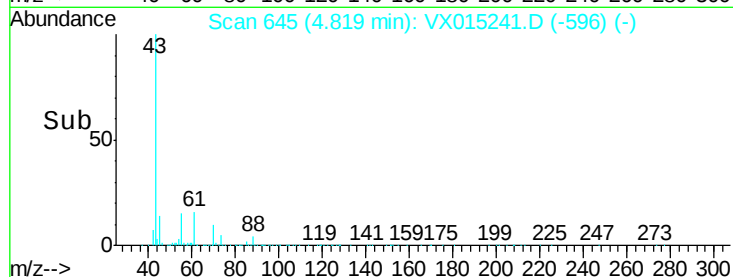
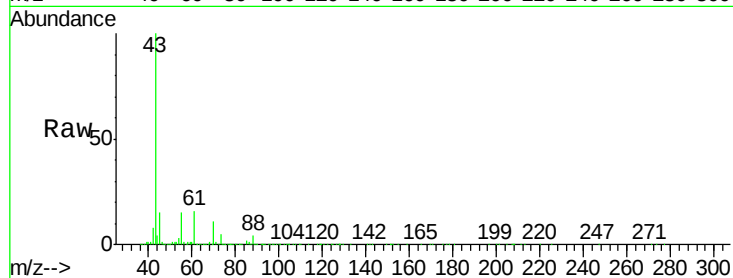
#37  
Ethyl Acetate  
Concen: 59.223 ug/l  
RT: 4.82 min Scan# 645  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 43    | Resp: | 210826 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 14.7  | 11.0  | 16.4   |
| 70        | 10.6  | 8.1   | 12.1   |

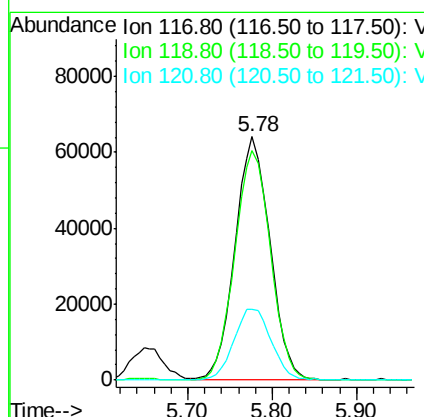
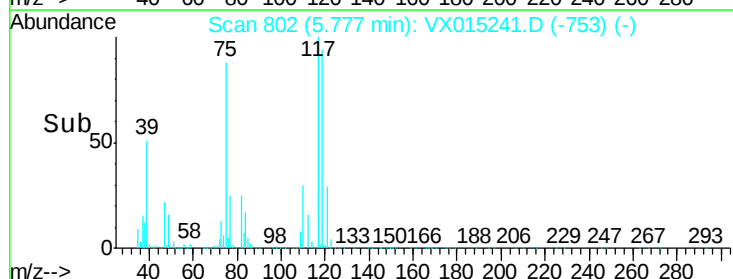
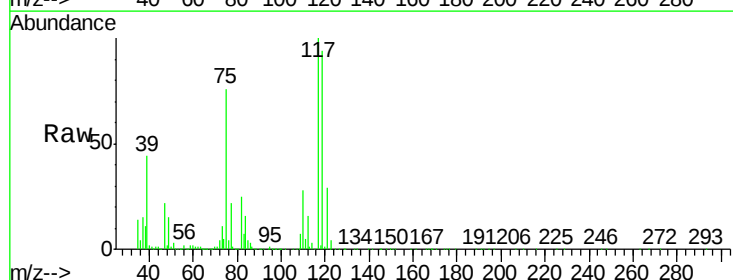
Manual Integrations  
APPROVED

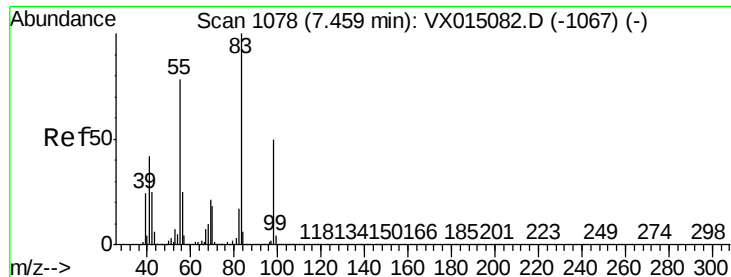
MMDadoda  
3/16/2020 11:43:55 AM



#38  
Carbon Tetrachloride  
Concen: 49.669 ug/l  
RT: 5.78 min Scan# 802  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 179924 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 94.3  | 76.9  | 115.3  |
| 121       | 29.4  | 24.6  | 37.0   |





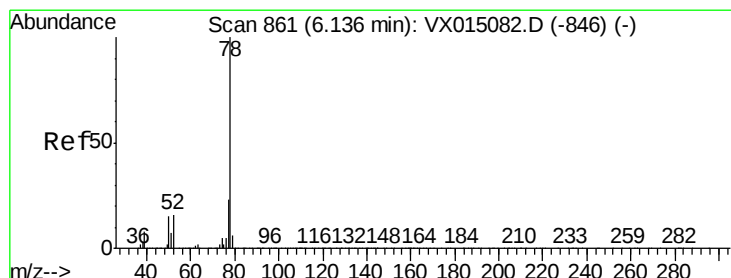
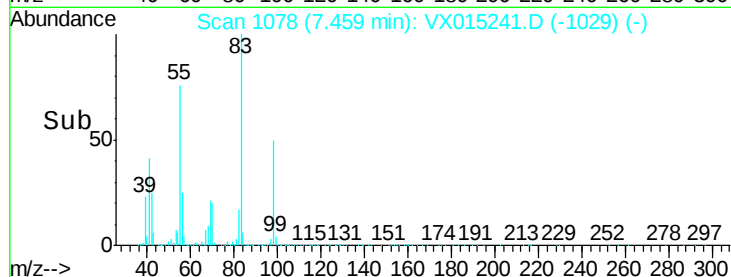
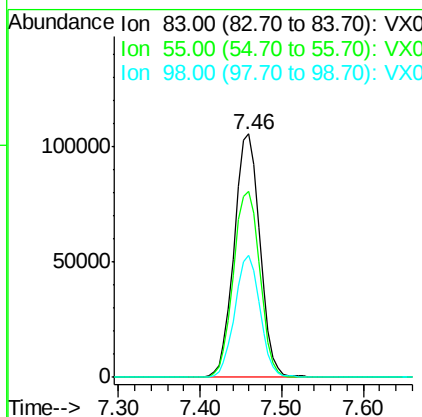
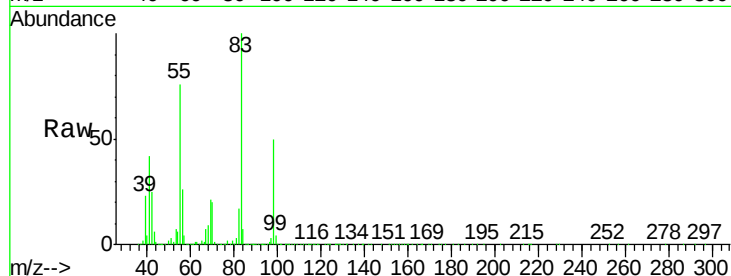
#39  
Methvlcvclohexane  
Concen: 51.294 ug/l  
RT: 7.46 min Scan# 1078  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 76.2  | 62.4  | 93.6  |
| 98      | 50.0  | 39.7  | 59.5  |

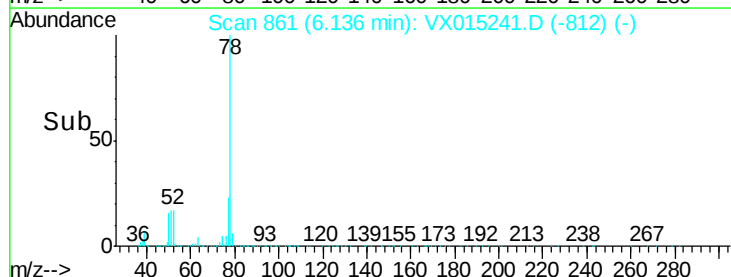
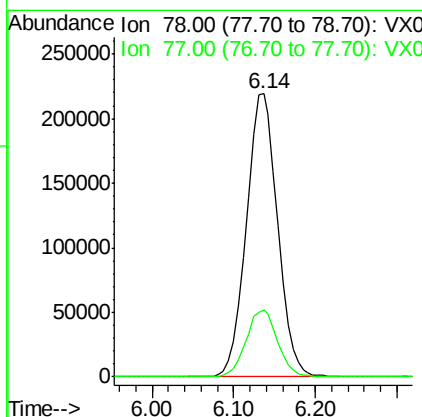
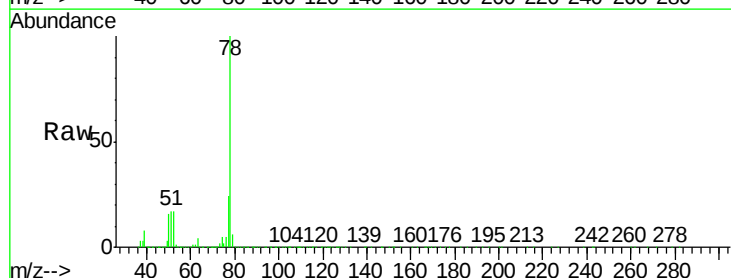
Manual Integrations  
APPROVED

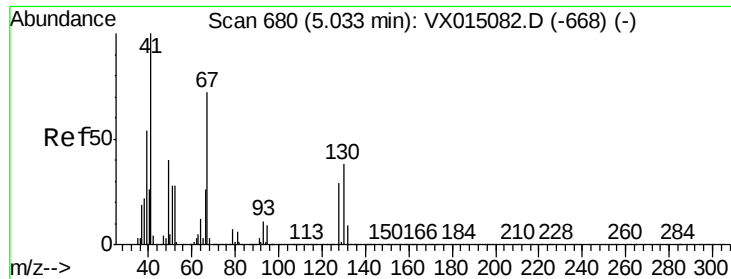
MMDadoda  
3/16/2020 11:43:55 AM



#40  
Benzene  
Concen: 51.266 ug/l  
RT: 6.14 min Scan# 861  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.7  | 18.6  | 28.0  |





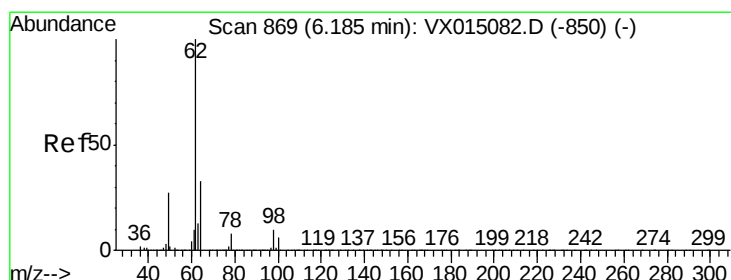
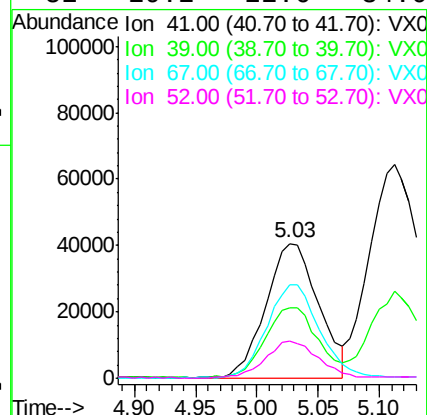
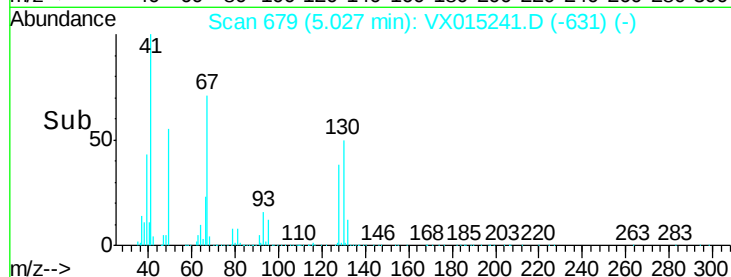
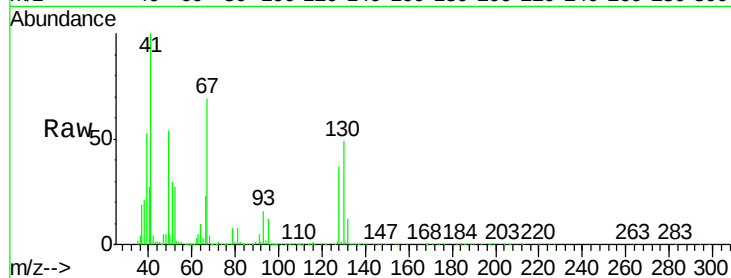
#41  
Methacrylonitrile  
Concen: 56.539 ug/l  
RT: 5.03 min Scan# 679  
Delta R.T. -0.01 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 52.8 | 43.9  | 65.9  |       |
| 67      | 69.9 | 57.8  | 86.8  |       |
| 52      | 29.2 | 22.6  | 34.0  |       |

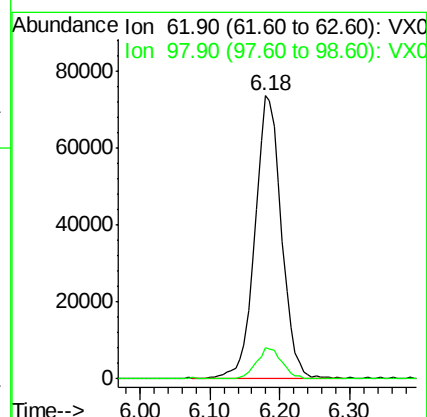
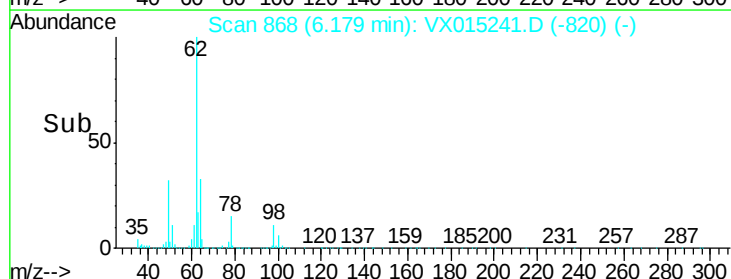
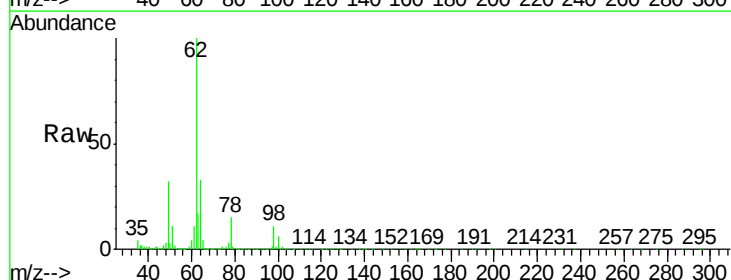
Manual Integrations  
APPROVED

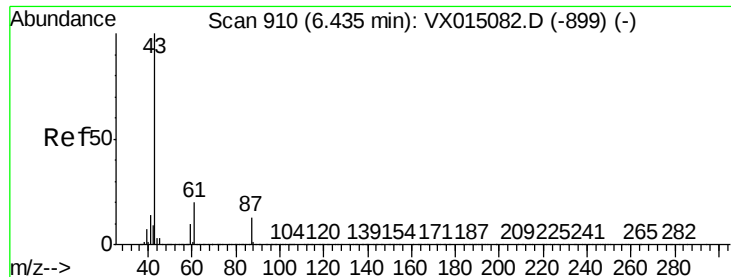
MMDadoda  
3/16/2020 11:43:55 AM



#42  
1,2-Dichloroethane  
Concen: 49.291 ug/l  
RT: 6.18 min Scan# 868  
Delta R.T. -0.01 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 62      | 100  |       |       |       |
| 98      | 11.0 | 0.0   | 20.6  |       |





#43

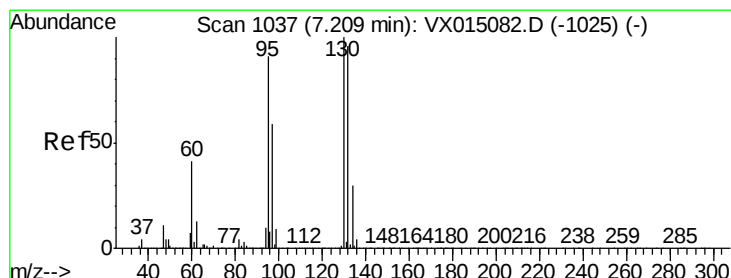
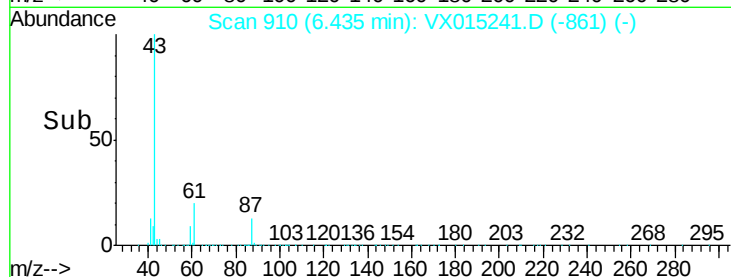
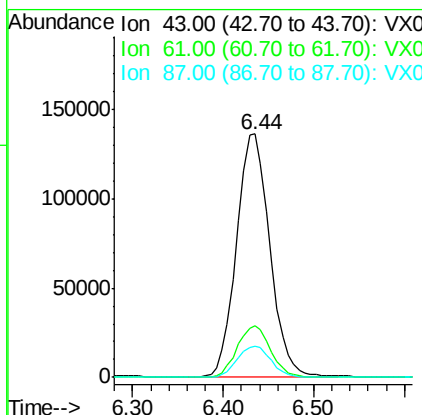
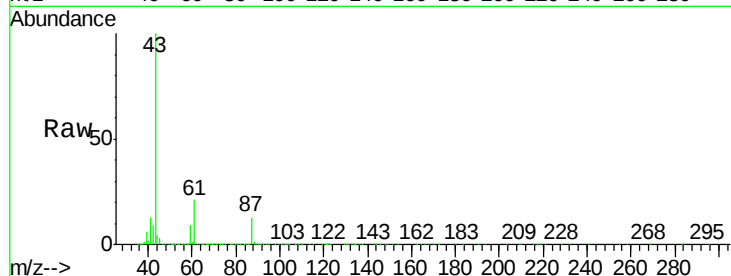
Isopropyl Acetate  
 Concen: 55.369 ug/l  
 RT: 6.44 min Scan# 910  
 Delta R.T. 0.00 min  
 Lab File: VX015241.D  
 Acq: 12 Mar 2020 18:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 21.0  | 16.1  | 24.1  |
| 87      | 13.2  | 10.6  | 16.0  |

Manual Integrations  
 APPROVED

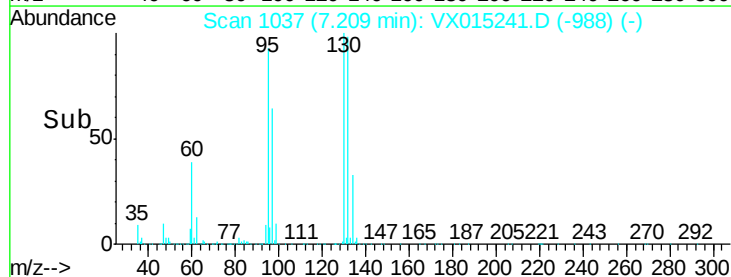
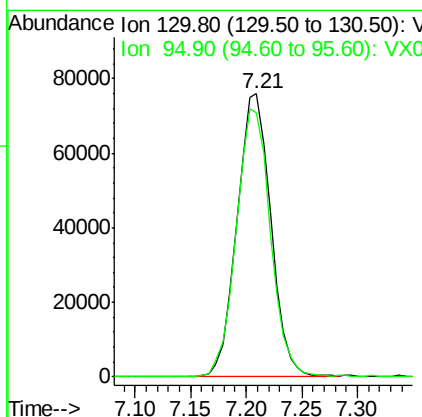
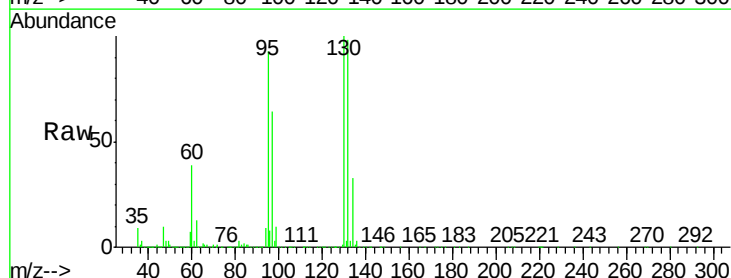
MMDadoda  
 3/16/2020 11:43:55 AM

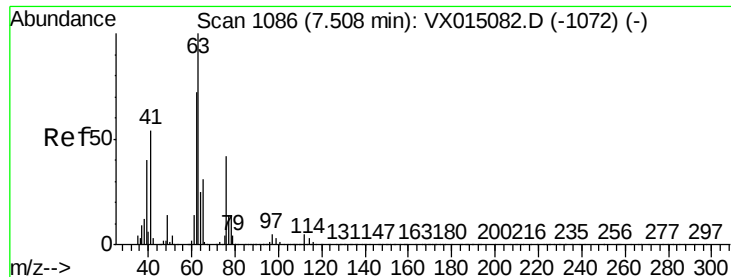


#44

Trichloroethene  
 Concen: 50.773 ug/l  
 RT: 7.21 min Scan# 1037  
 Delta R.T. 0.00 min  
 Lab File: VX015241.D  
 Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 93.2  | 0.0   | 181.2 |





#45

1,2-Dichloropropane

Concen: 53.503 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 157681

Ion Ratio Lower Upper

63 100

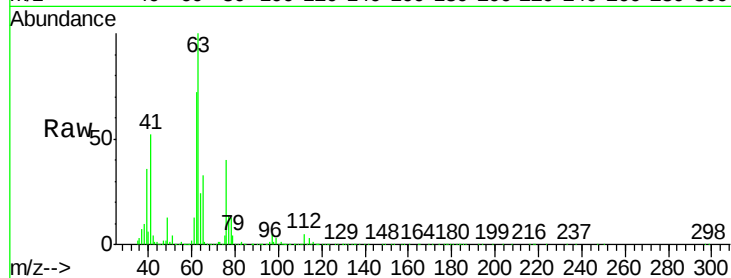
65 32.8 24.6 36.8

Manual Integrations

APPROVED

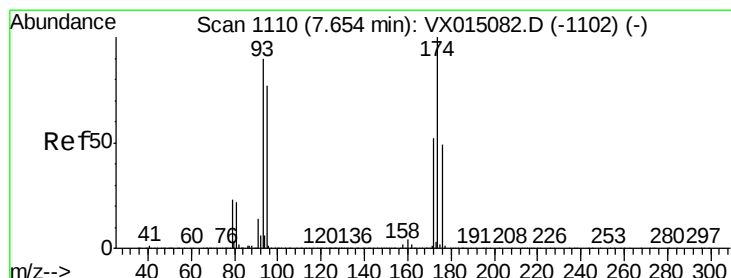
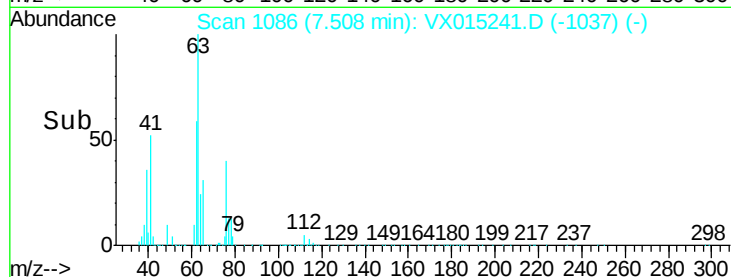
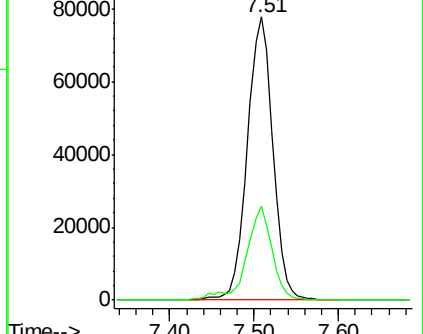
MMDadoda

3/16/2020 11:43:55 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 51.425 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

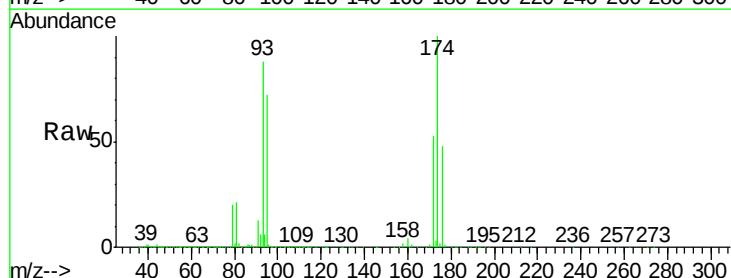
Tgt Ion: 93 Resp: 98753

Ion Ratio Lower Upper

93 100

95 81.9 67.8 101.8

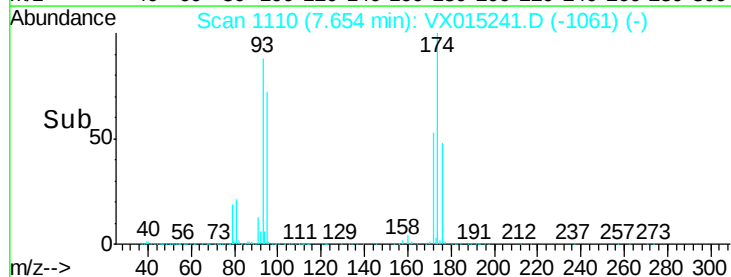
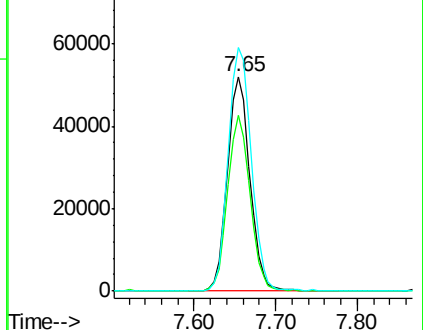
174 116.7 91.0 136.4

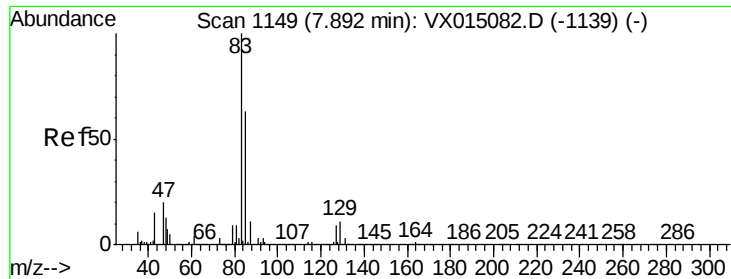


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.923 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

Instrument :

MSVOA\_X

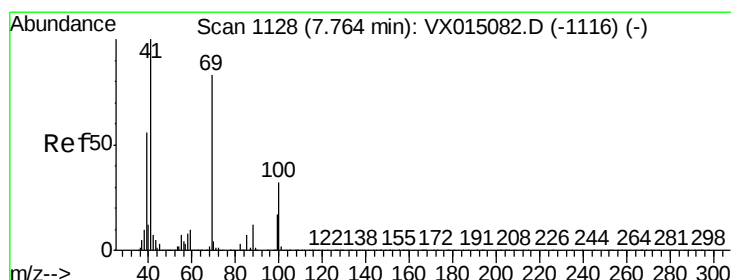
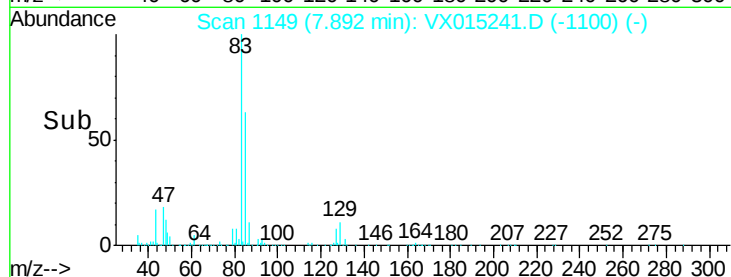
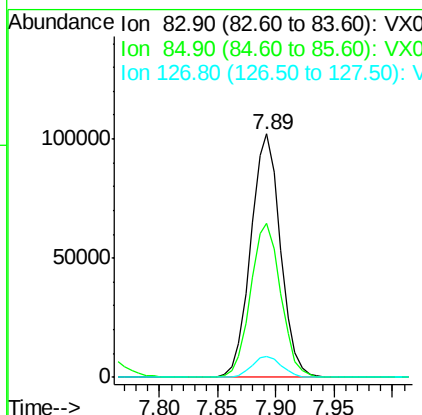
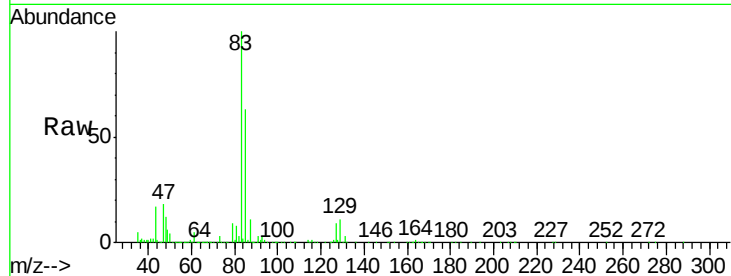
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 181986 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.0  | 50.6  | 75.8   |
| 127       | 8.6   | 7.1   | 10.7   |

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 11:43:55 AM



#48

Methyl methacrylate

Concen: 50.166 ug/l

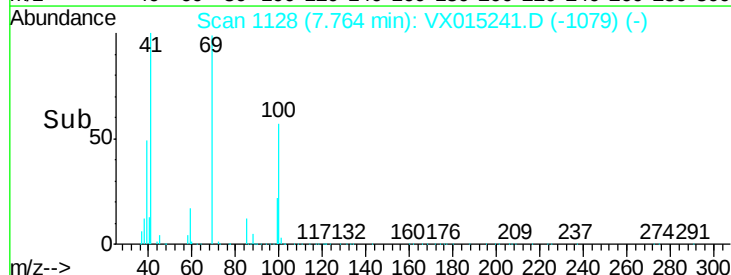
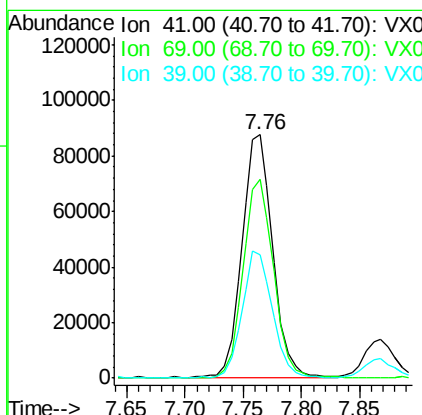
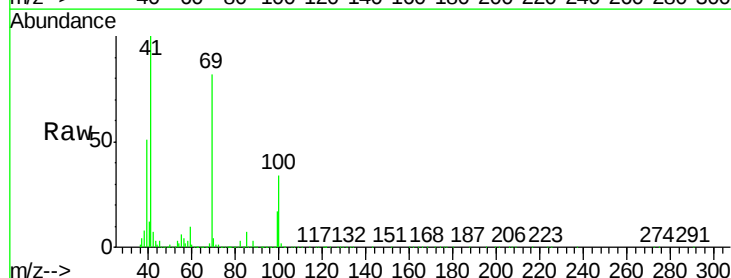
RT: 7.76 min Scan# 1128

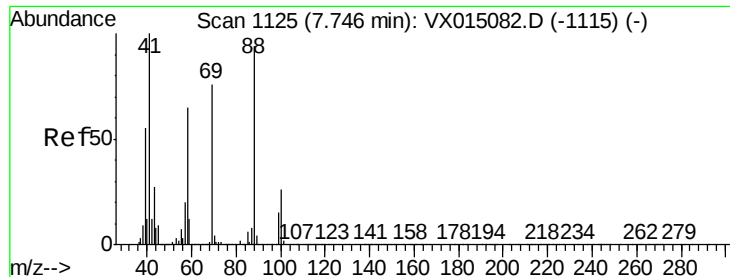
Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 159900 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 82.3  | 65.4  | 98.2   |
| 39        | 52.3  | 44.6  | 67.0   |





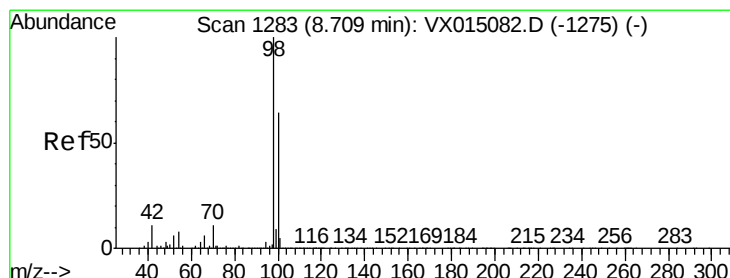
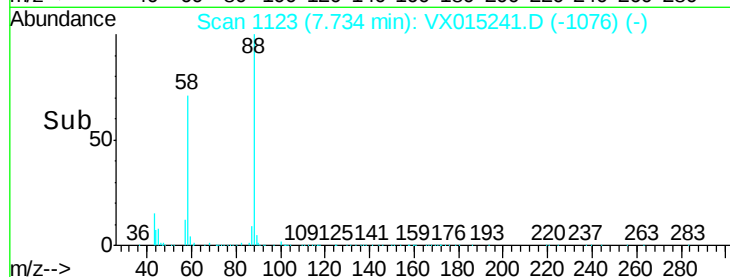
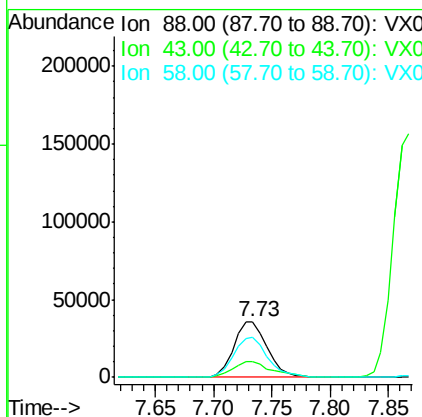
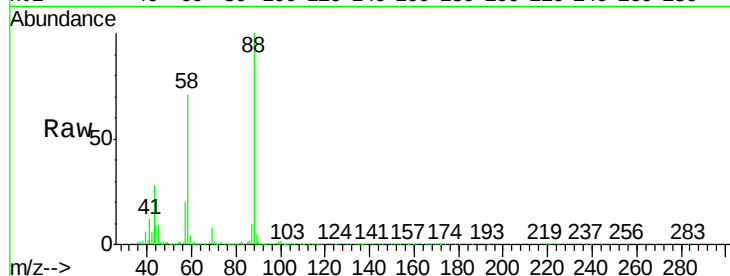
#49  
1,4-Dioxane  
Concen: 1031.138 ug/l  
RT: 7.73 min Scan# 1123  
Delta R.T. -0.01 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.3  | 27.0  | 40.4  |
| 58      | 72.1  | 55.6  | 83.4  |

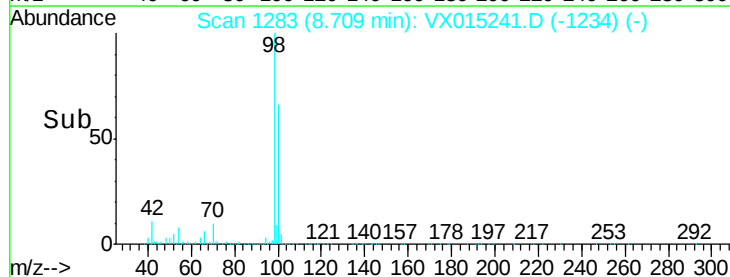
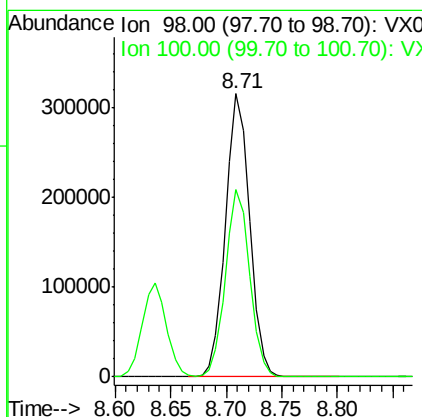
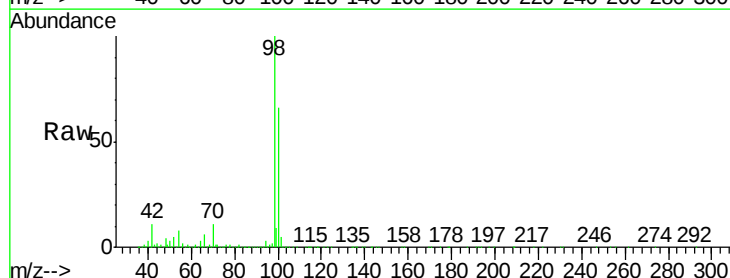
Manual Integrations  
APPROVED

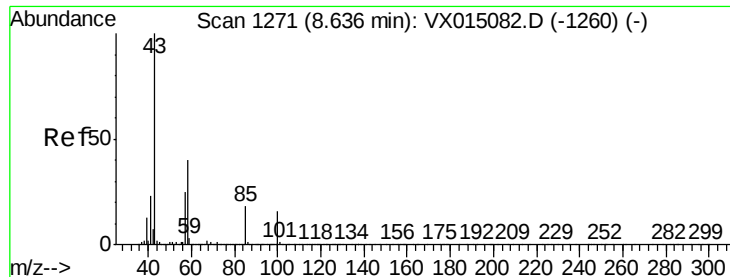
MMDadoda  
3/16/2020 11:43:55 AM



#50  
Toluene-d8  
Concen: 47.696 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.3  | 52.4  | 78.6  |





#51

4-Methyl-2-Pentanone

Concen: 271.886 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1006729

Ion Ratio Lower Upper

43 100

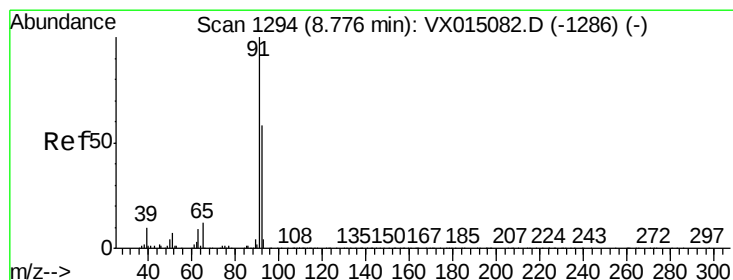
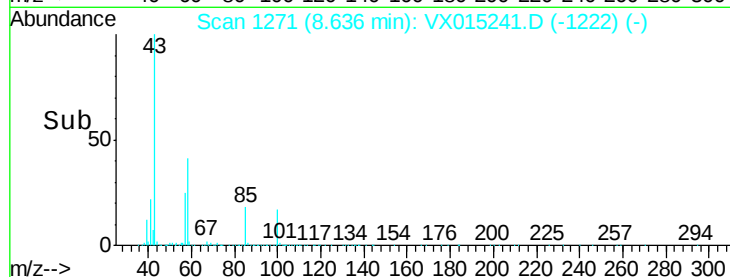
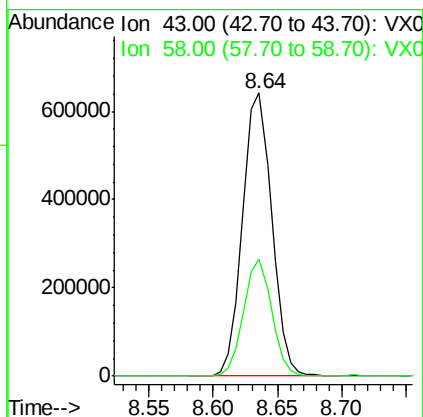
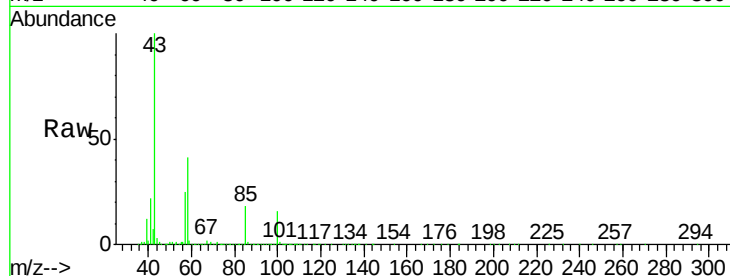
58 39.7 31.6 47.4

Manual Integrations

APPROVED

MMDadoda

3/16/2020 11:43:55 AM



#52

Toluene

Concen: 48.992 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX015241.D

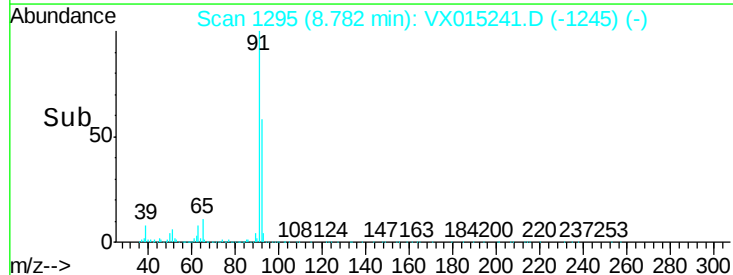
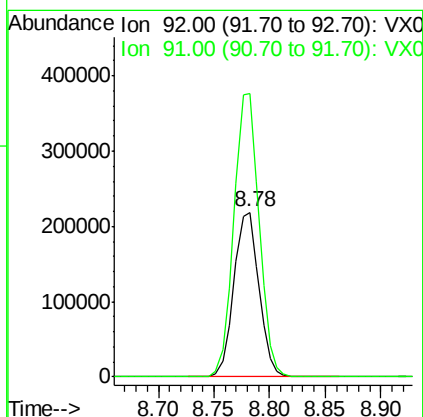
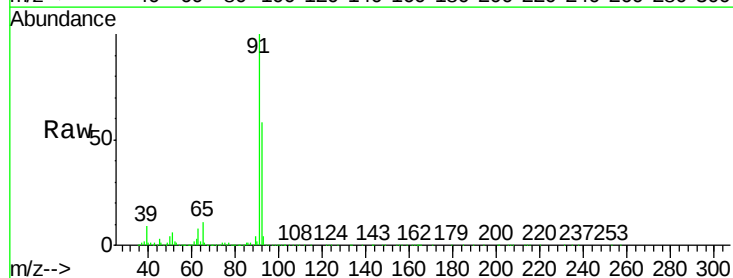
Acq: 12 Mar 2020 18:22

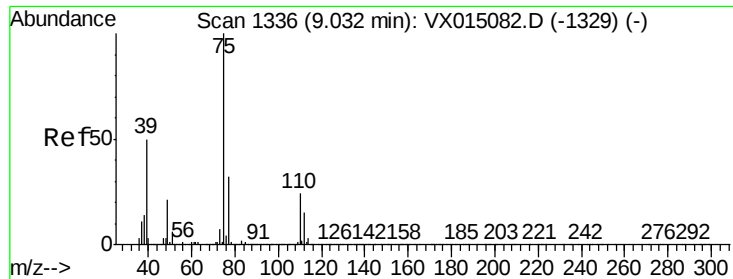
Tgt Ion: 92 Resp: 341075

Ion Ratio Lower Upper

92 100

91 173.2 136.9 205.3





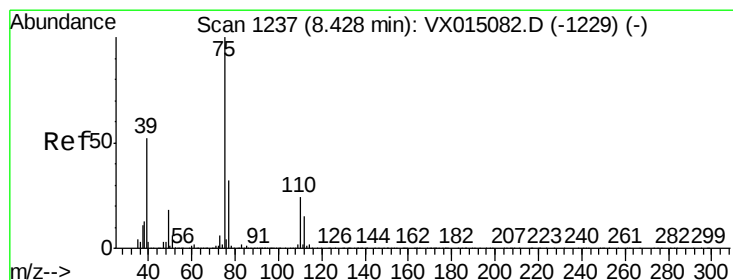
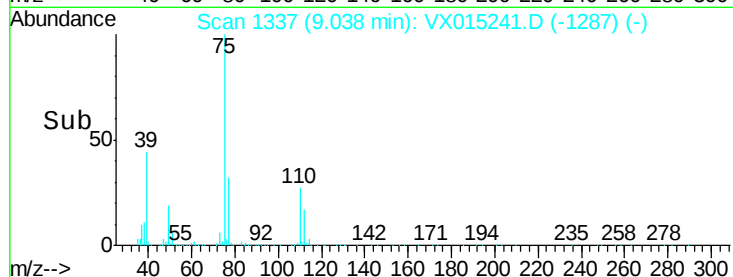
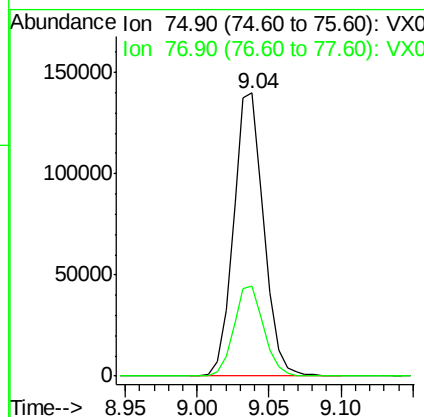
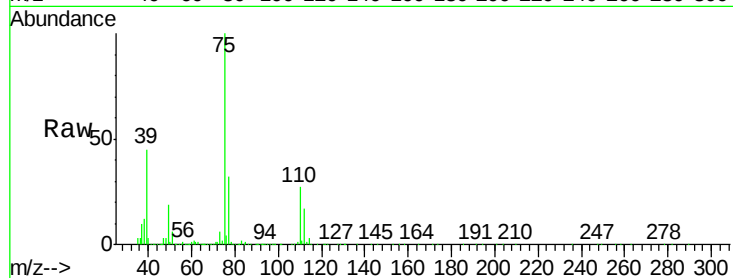
#53  
t-1,3-Dichloropropene  
Concen: 50.545 ug/l  
RT: 9.04 min Scan# 1337  
Delta R.T. 0.01 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.8  | 25.4  | 38.0  |

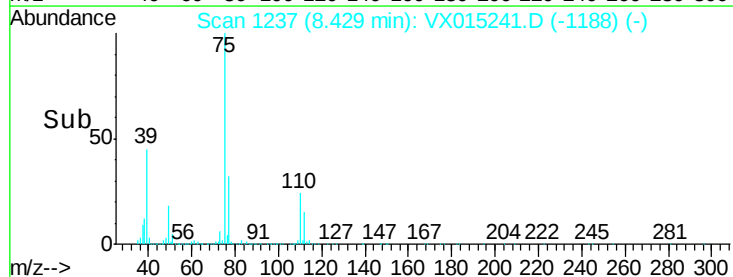
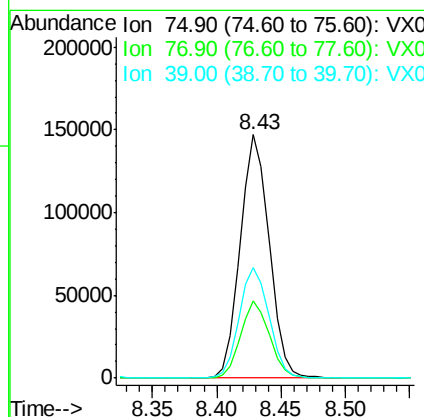
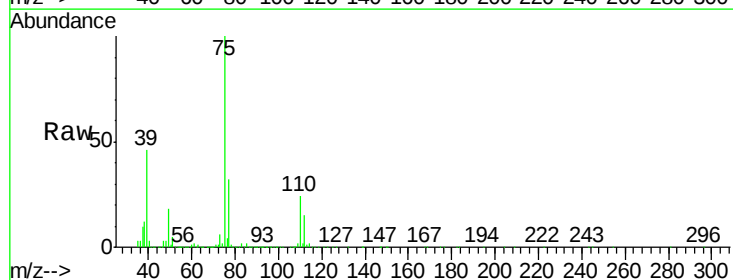
Manual Integrations  
APPROVED

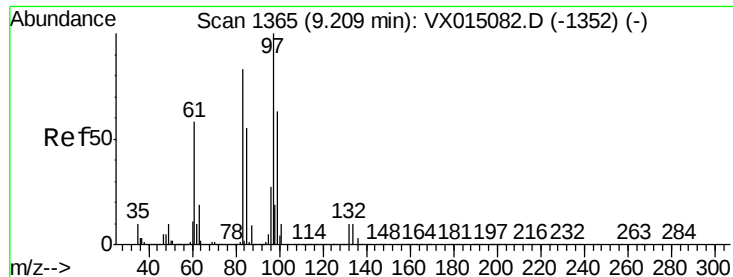
MMDadoda  
3/16/2020 11:43:55 AM



#54  
cis-1,3-Dichloropropene  
Concen: 50.148 ug/l  
RT: 8.43 min Scan# 1237  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.6  | 25.8  | 38.6  |
| 39      | 45.4  | 41.3  | 61.9  |





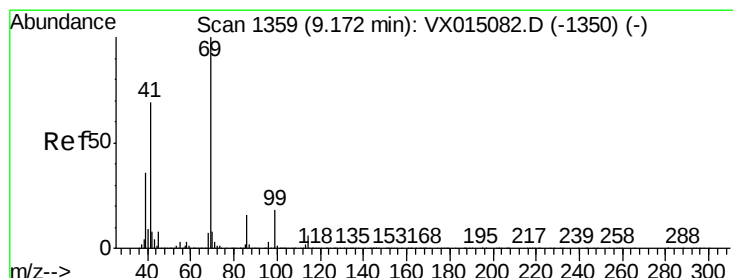
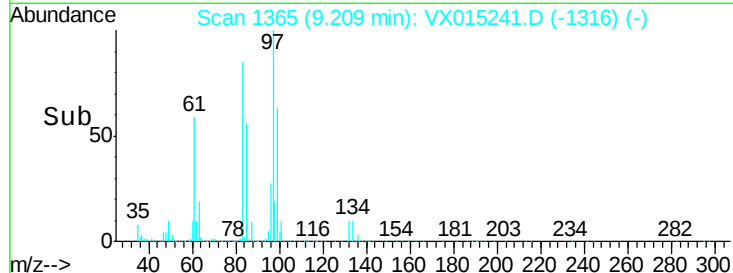
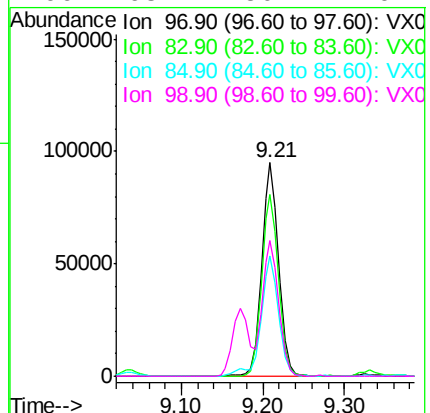
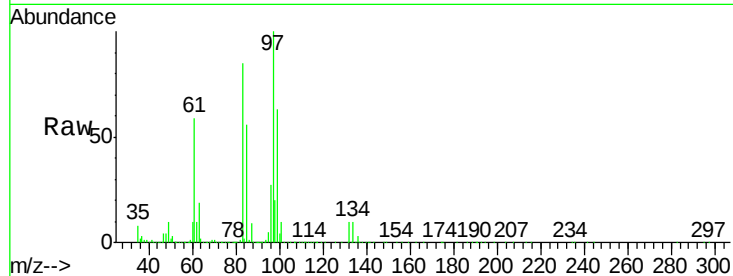
#55  
 1,1,2-Trichloroethane  
 Concen: 48.328 ug/l  
 RT: 9.21 min Scan# 1365  
 Delta R.T. 0.00 min  
 Lab File: VX015241.D  
 Acq: 12 Mar 2020 18:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 138482 |       |       |
| 83      | 85.2 | 66.4  | 99.6   |       |       |
| 85      | 56.3 | 43.5  | 65.3   |       |       |
| 99      | 63.2 | 50.7  | 76.1   |       |       |

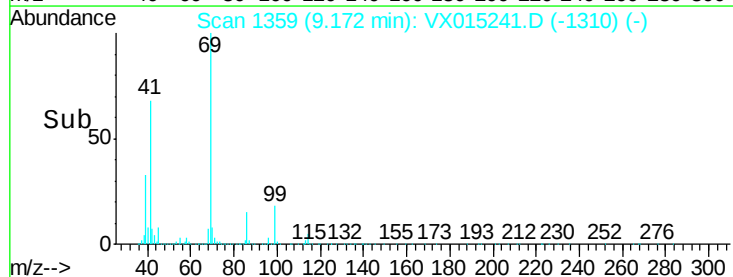
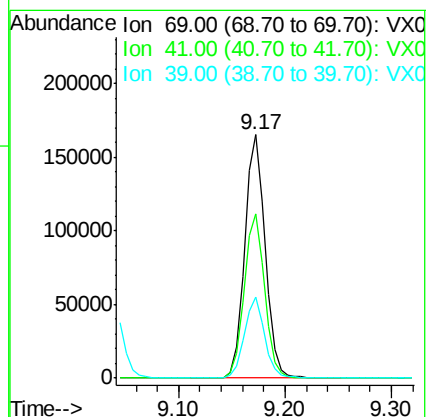
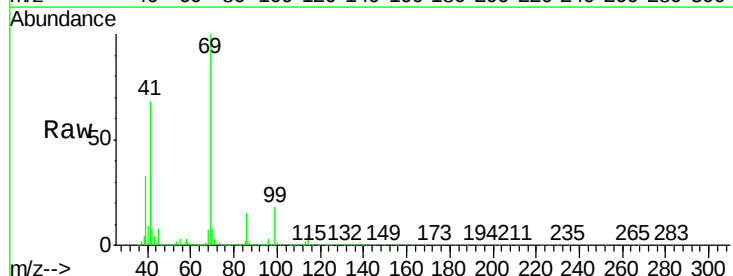
Manual Integrations  
 APPROVED

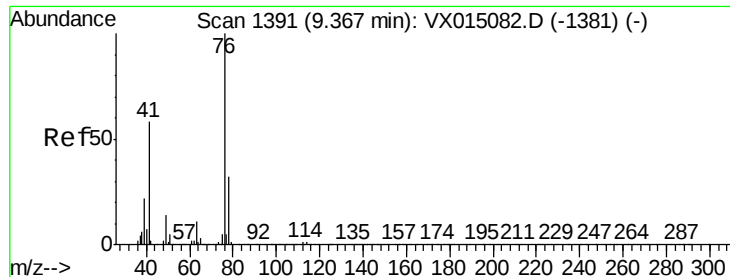
MMDadoda  
 3/16/2020 11:43:55 AM



#56  
 Ethyl methacrylate  
 Concen: 54.615 ug/l  
 RT: 9.17 min Scan# 1359  
 Delta R.T. 0.00 min  
 Lab File: VX015241.D  
 Acq: 12 Mar 2020 18:22

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 223220 |       |       |
| 41      | 67.6 | 55.8  | 83.8   |       |       |
| 39      | 32.7 | 29.4  | 44.2   |       |       |





#57

1,3-Dichloropropane

Concen: 49.265 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 237493

Ion Ratio Lower Upper

76 100

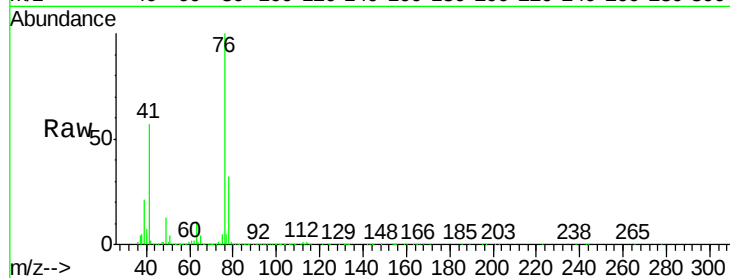
78 32.6 25.6 38.4

Manual Integrations

APPROVED

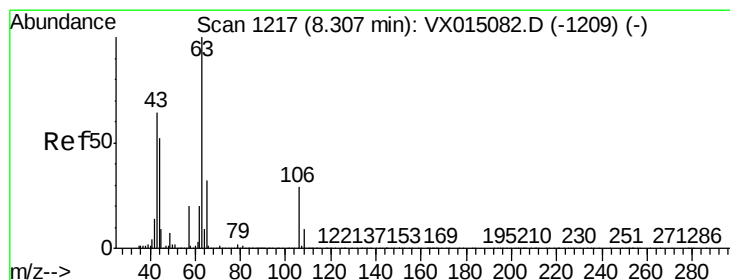
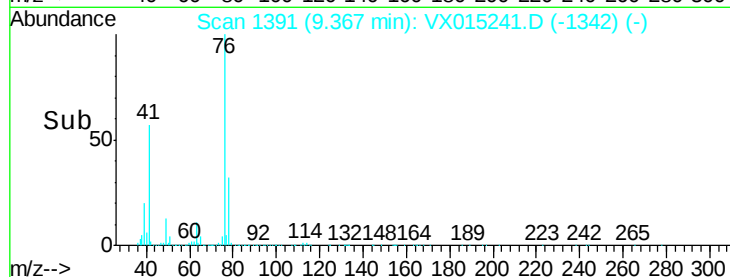
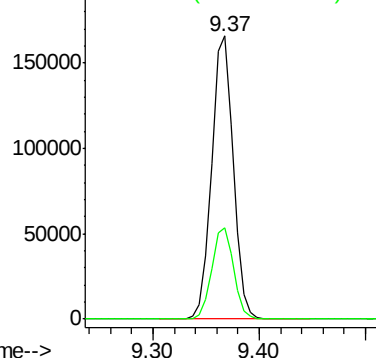
MMDadoda

3/16/2020 11:43:55 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 252.615 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX015241.D

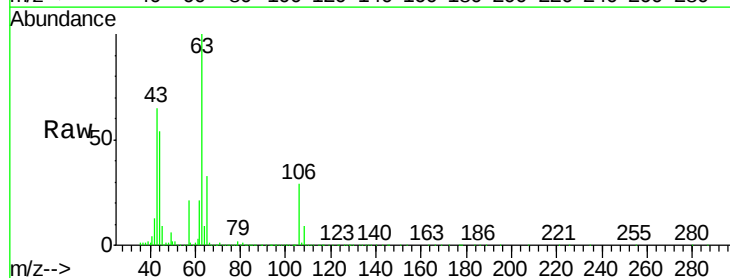
Acq: 12 Mar 2020 18:22

Tgt Ion: 63 Resp: 562473

Ion Ratio Lower Upper

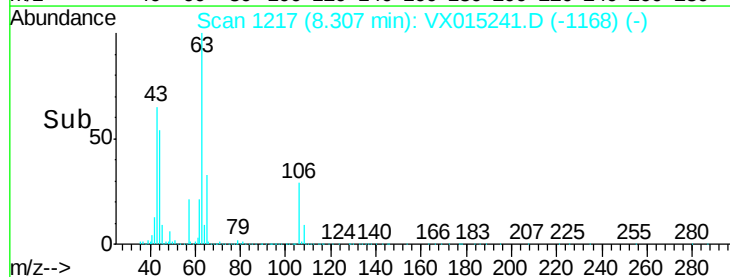
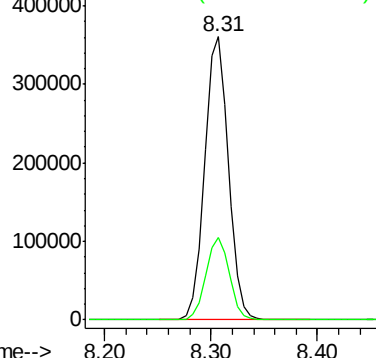
63 100

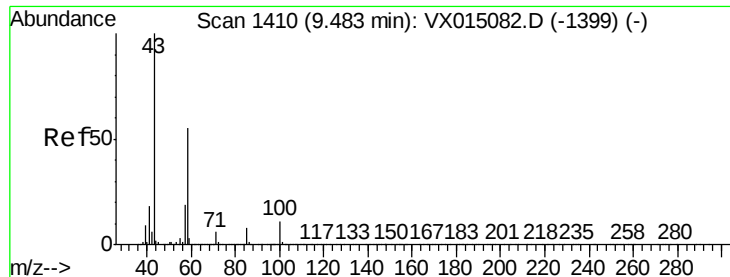
106 29.0 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





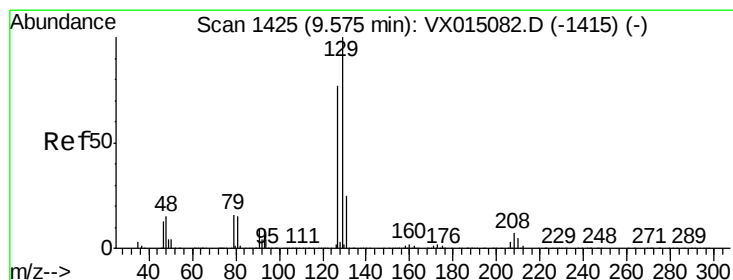
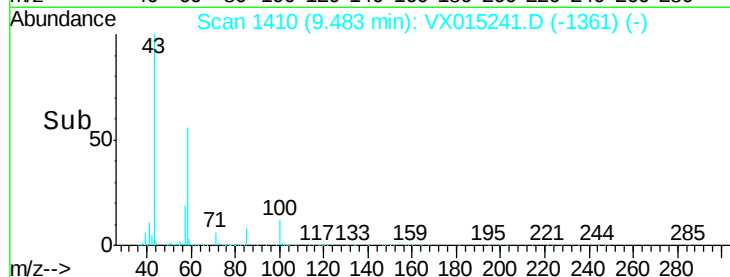
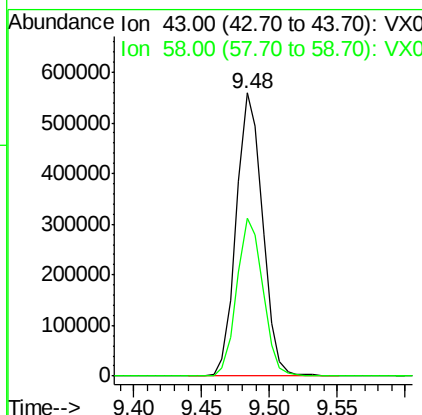
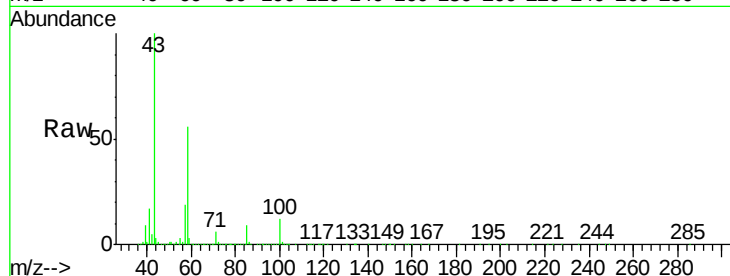
#59  
2-Hexanone  
Concen: 274.456 ug/l  
RT: 9.48 min Scan# 1410  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 753227  
Ion Ratio Lower Upper  
43 100  
58 55.6 27.3 81.8

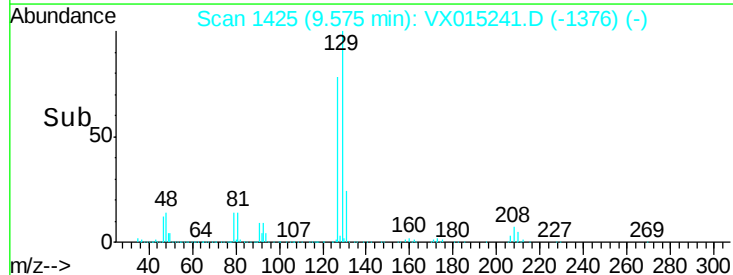
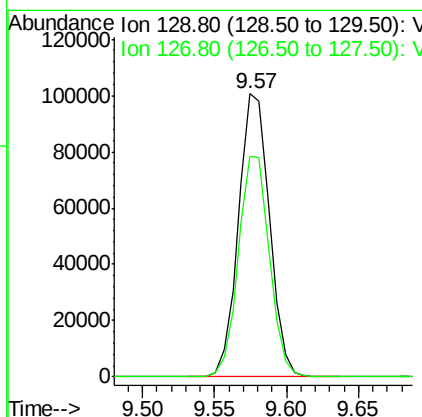
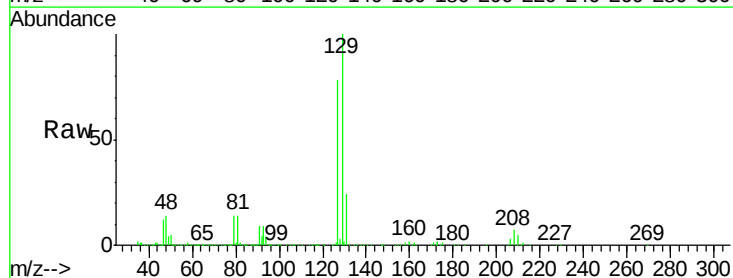
Manual Integrations  
APPROVED

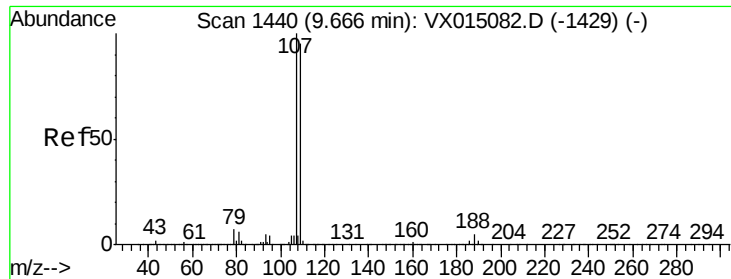
MMDadoda  
3/16/2020 11:43:55 AM



#60  
Dibromochloromethane  
Concen: 49.929 ug/l  
RT: 9.57 min Scan# 1425  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Tgt Ion: 129 Resp: 150287  
Ion Ratio Lower Upper  
129 100  
127 78.0 38.8 116.3





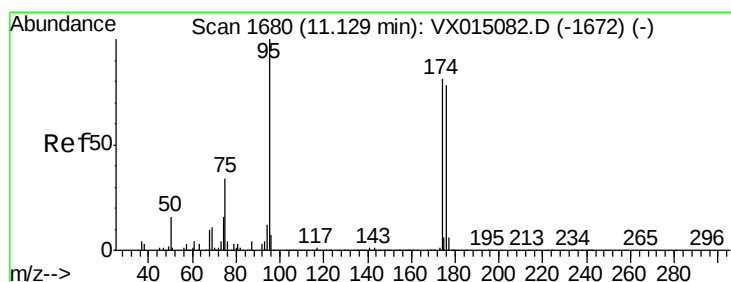
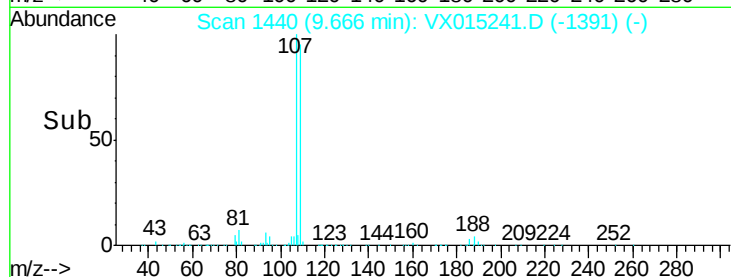
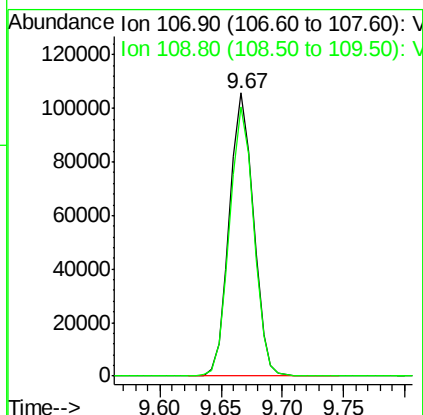
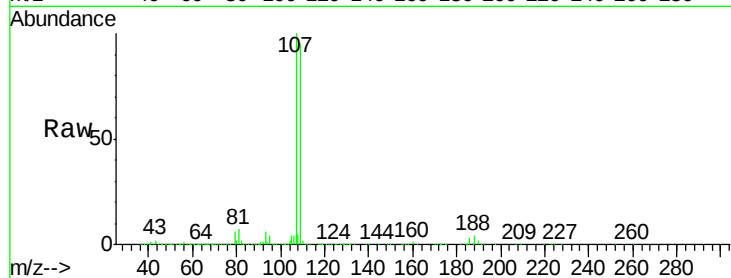
#61  
 1,2-Dibromoethane  
 Concen: 47.831 ug/l  
 RT: 9.67 min Scan# 1440  
 Delta R.T. 0.00 min  
 Lab File: VX015241.D  
 Acq: 12 Mar 2020 18:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 95.6  | 75.6  | 113.4 |

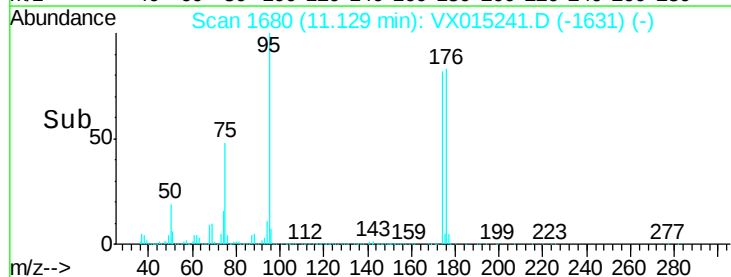
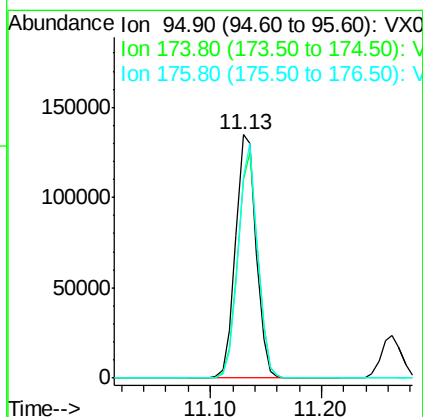
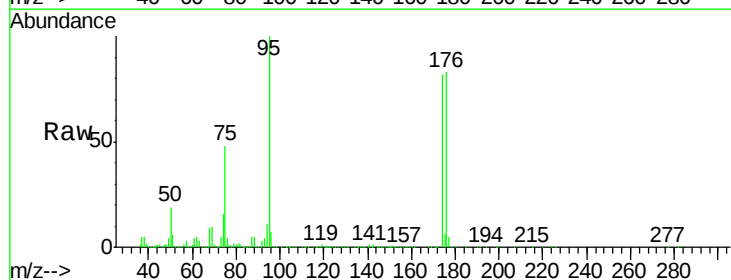
Manual Integrations  
 APPROVED

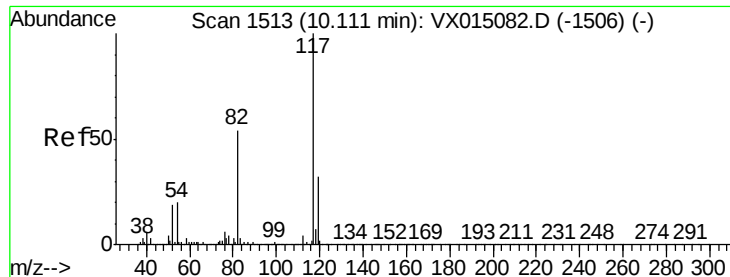
MMDadoda  
 3/16/2020 11:43:55 AM



#62  
 4-Bromofluorobenzene  
 Concen: 48.704 ug/l  
 RT: 11.13 min Scan# 1680  
 Delta R.T. 0.00 min  
 Lab File: VX015241.D  
 Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 90.2  | 0.0   | 177.6 |
| 176     | 90.4  | 0.0   | 170.2 |





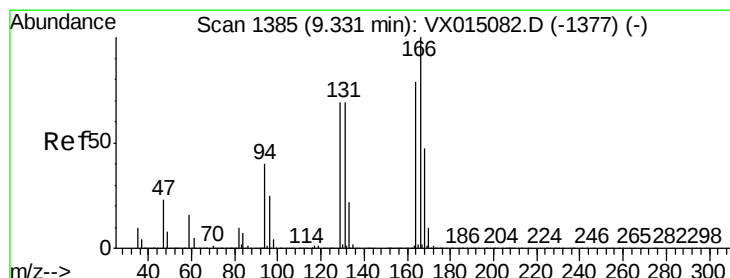
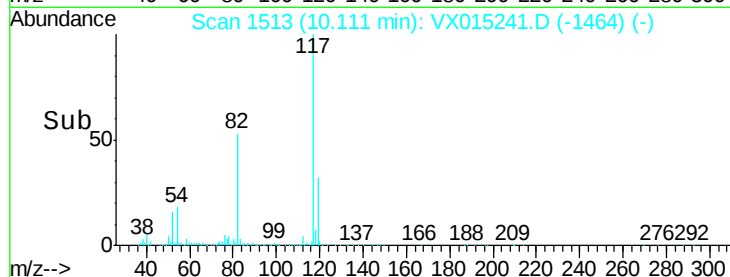
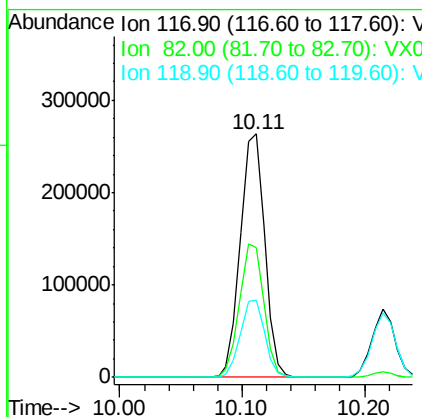
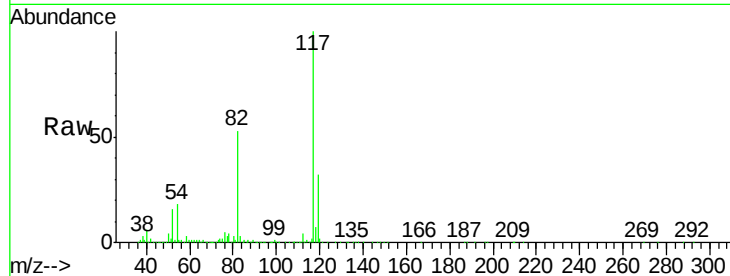
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 117     | 100   |            |       |
| 82      | 53.2  | 43.3       | 64.9  |
| 119     | 31.9  | 25.8       | 38.8  |

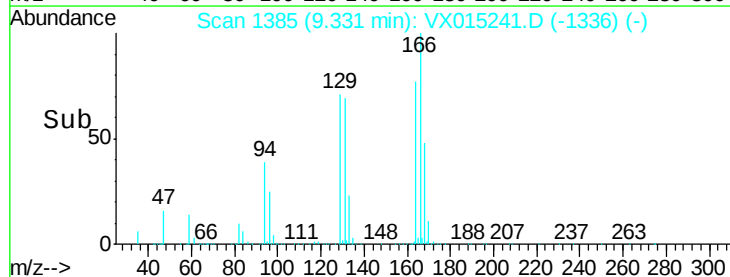
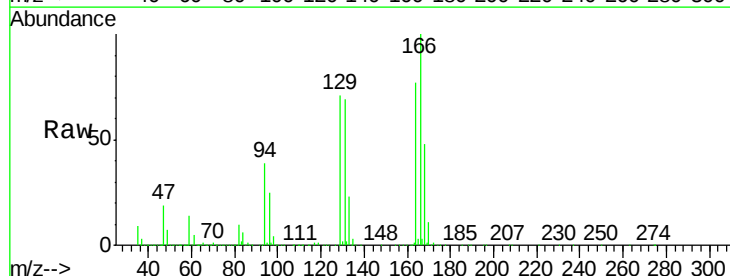
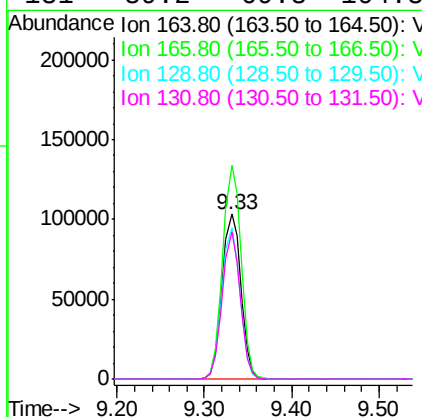
Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 11:43:55 AM



#64  
Tetrachloroethene  
Concen: 50.721 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 164     | 100   |            |       |
| 166     | 129.6 | 101.1      | 151.7 |
| 129     | 91.4  | 69.4       | 104.0 |
| 131     | 89.2  | 69.8       | 104.8 |





#65

Chlorobenzene

Concen: 51.167 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 375190

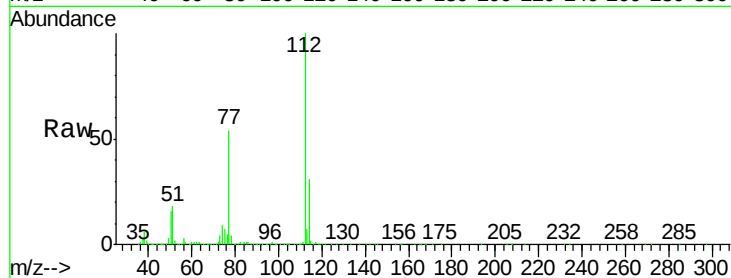
Ion Ratio Lower Upper

112 100

114 31.4 25.5 38.3

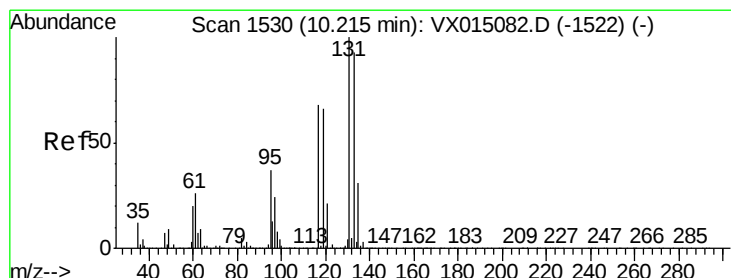
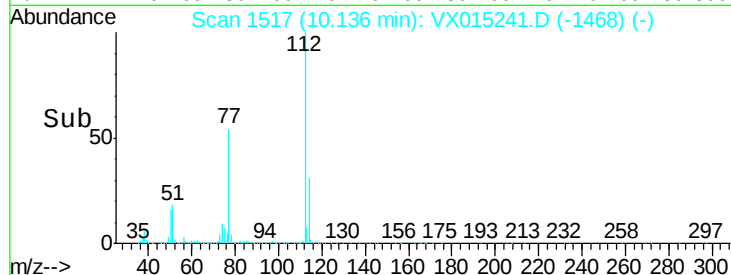
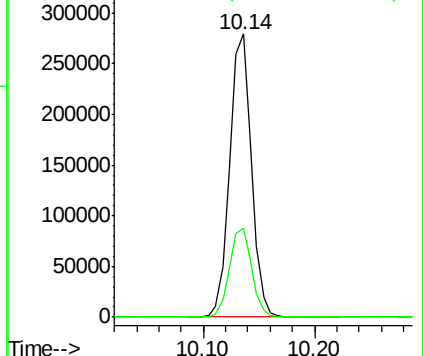
Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 11:43:55 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.173 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

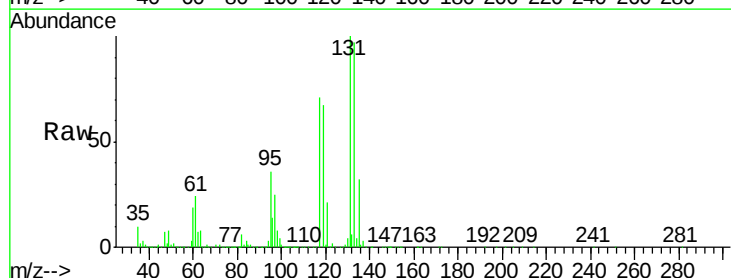
Tgt Ion:131 Resp: 138724

Ion Ratio Lower Upper

131 100

133 97.2 47.5 142.5

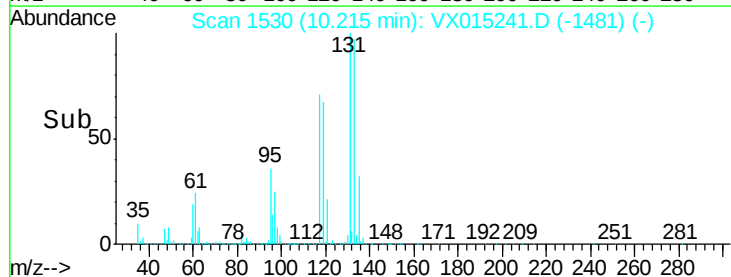
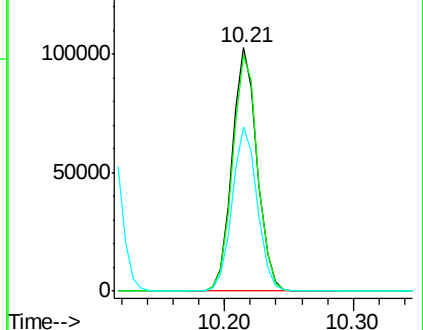
119 67.8 33.4 100.1

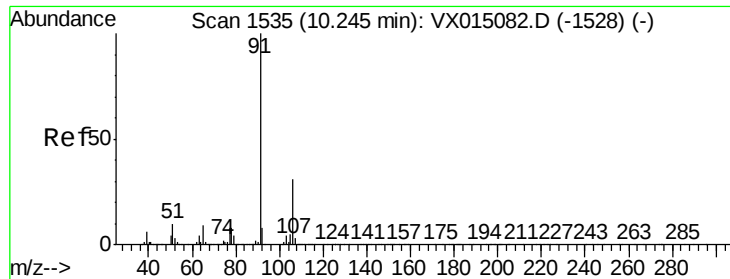


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 52.974 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 659599

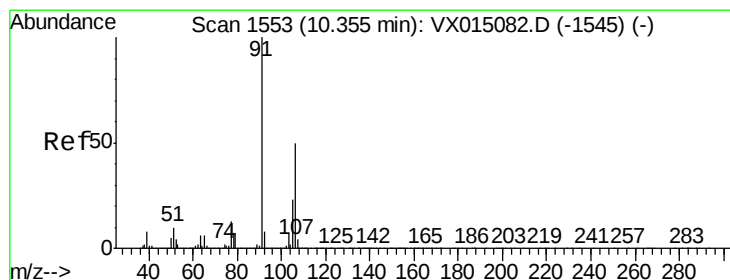
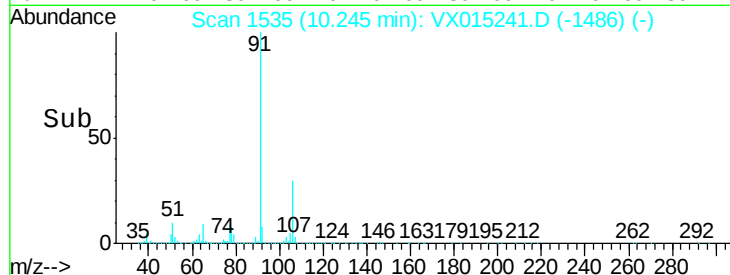
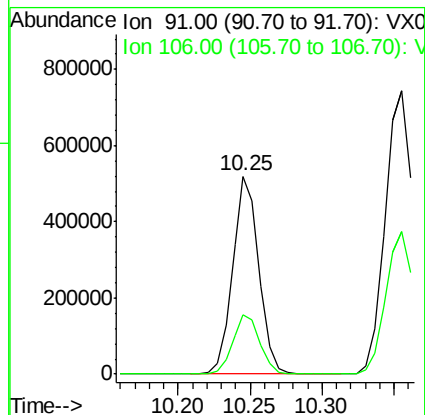
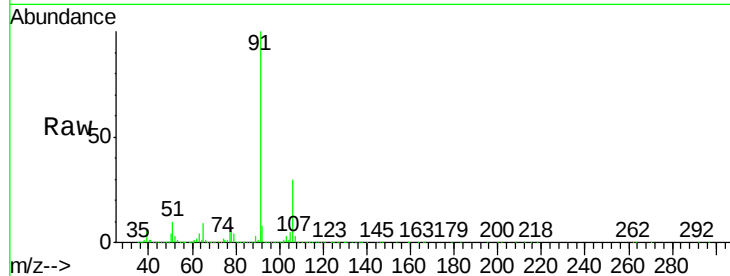
Ion Ratio Lower Upper

91 100

106 30.2 24.9 37.3

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 11:43:55 AM



#68

m/p-Xylenes

Concen: 105.918 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX015241.D

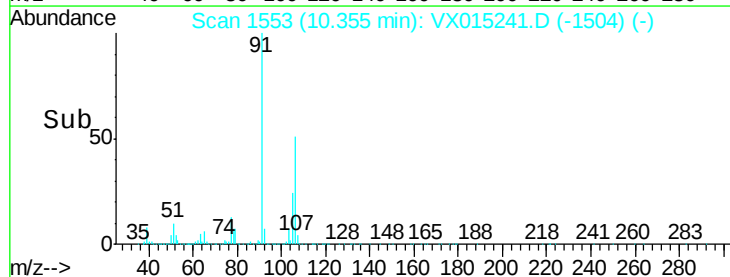
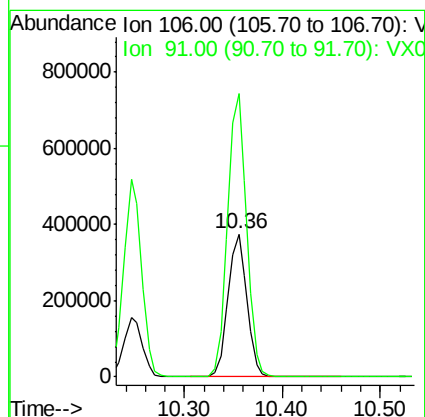
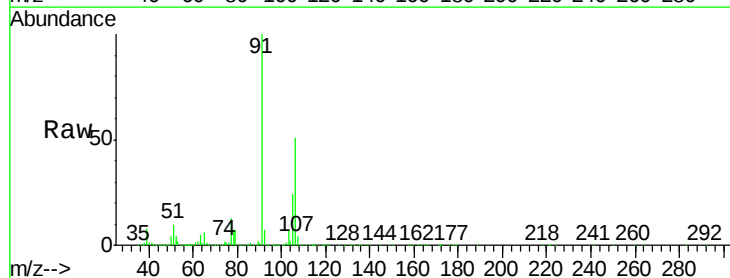
Acq: 12 Mar 2020 18:22

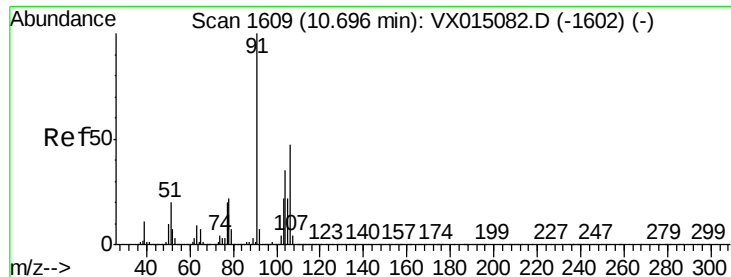
Tgt Ion: 106 Resp: 501767

Ion Ratio Lower Upper

106 100

91 199.4 159.4 239.2





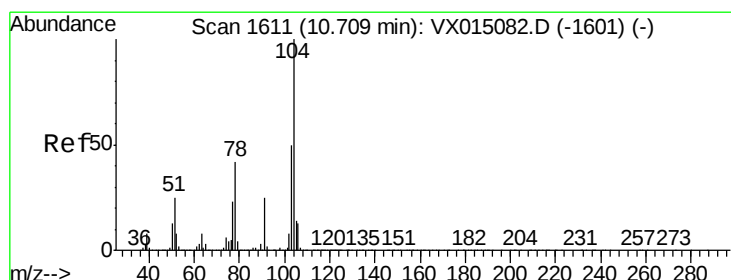
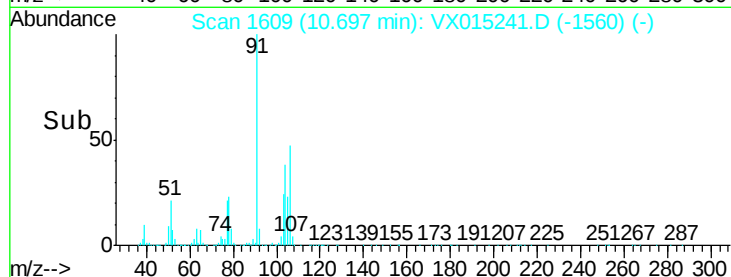
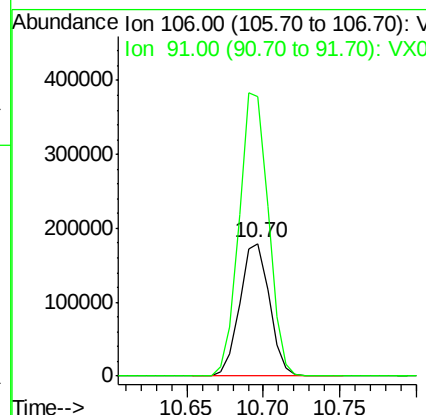
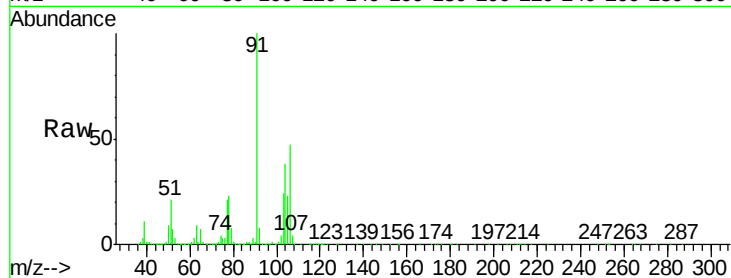
#69  
o-Xylene  
Concen: 53.169 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 106     | 100   | 241159 |       |       |
| 91      | 211.5 | 105.4  | 316.1 |       |

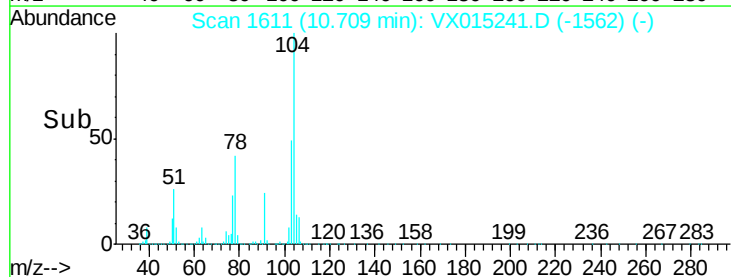
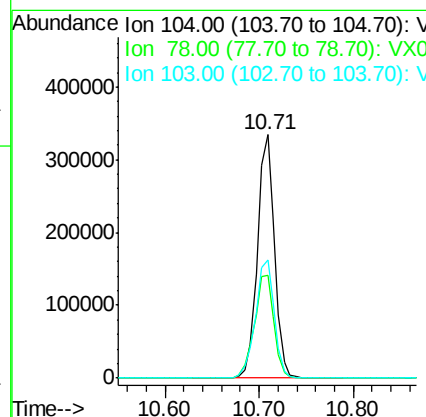
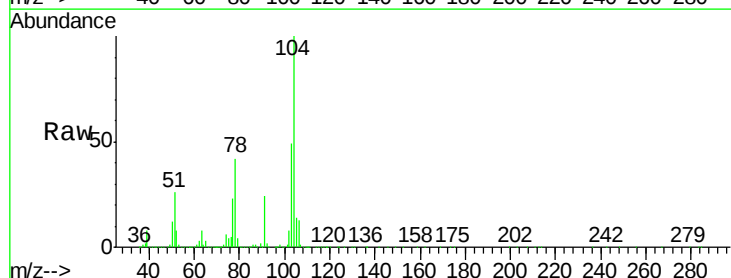
Manual Integrations  
APPROVED

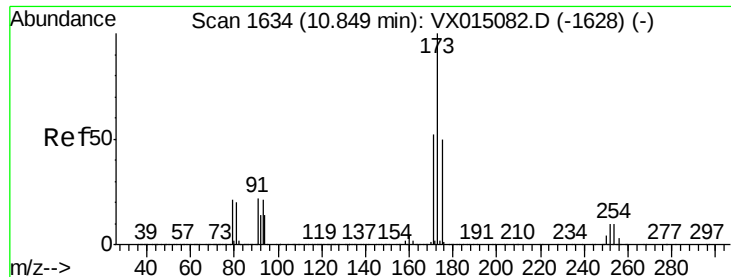
MMDadoda  
3/16/2020 11:43:55 AM



#70  
Styrene  
Concen: 54.862 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 104     | 100   | 426663 |       |       |
| 78      | 48.5  | 39.0   | 58.4  |       |
| 103     | 53.9  | 43.7   | 65.5  |       |





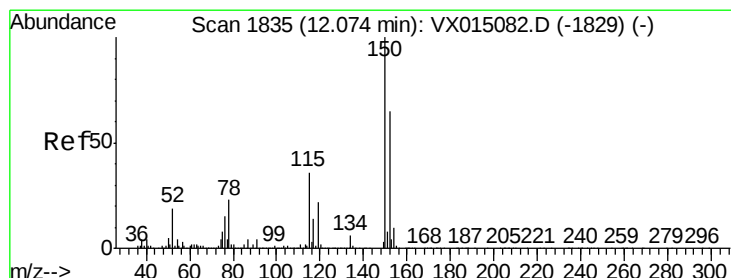
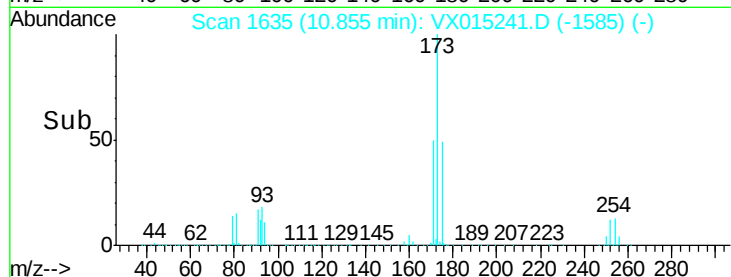
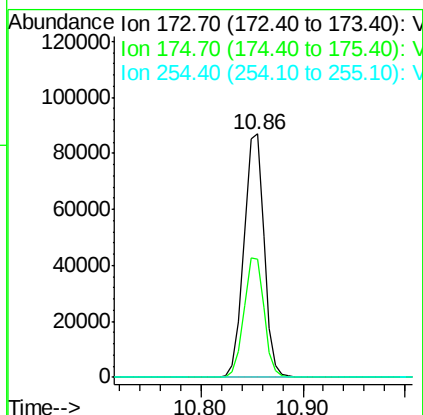
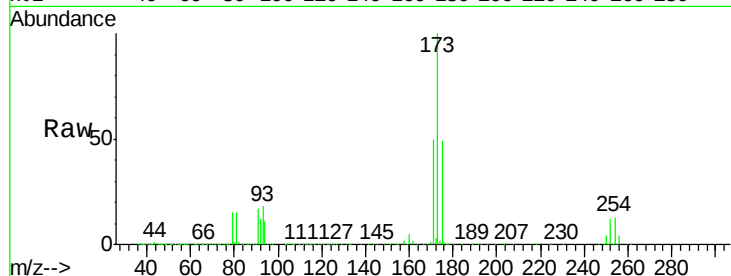
#71  
Bromoform  
Concen: 55.240 ug/l  
RT: 10.86 min Scan# 1635  
Delta R.T. 0.01 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.2  | 24.9  | 74.7  |
| 254     | 0.2   | 0.2   | 0.2   |

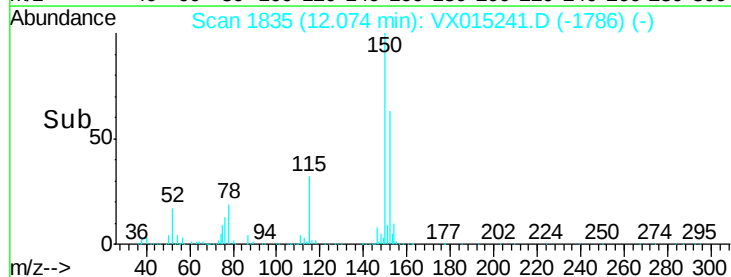
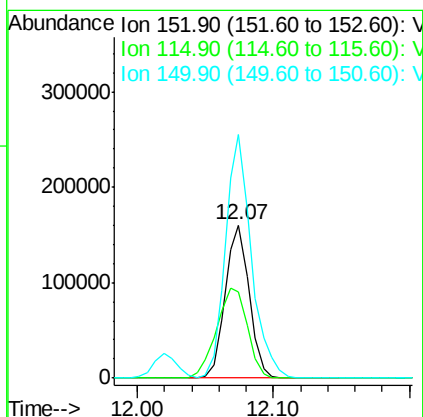
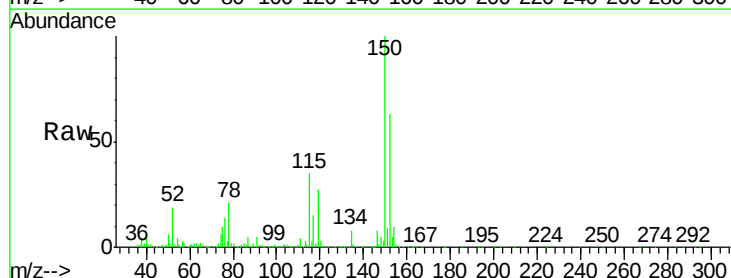
Manual Integrations  
APPROVED

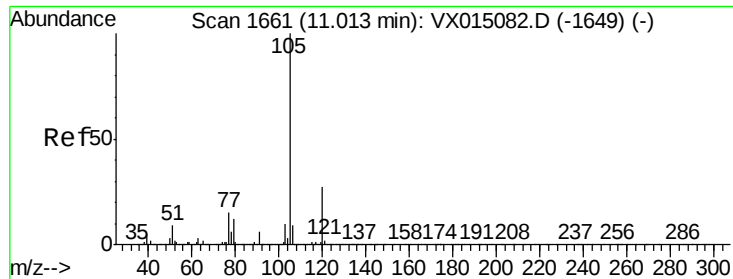
MMDadoda  
3/16/2020 11:43:55 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 75.9  | 38.2  | 114.6 |
| 150     | 171.8 | 0.0   | 343.8 |





#73

Isopropylbenzene

Concen: 52.167 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 650414

Ion Ratio Lower Upper

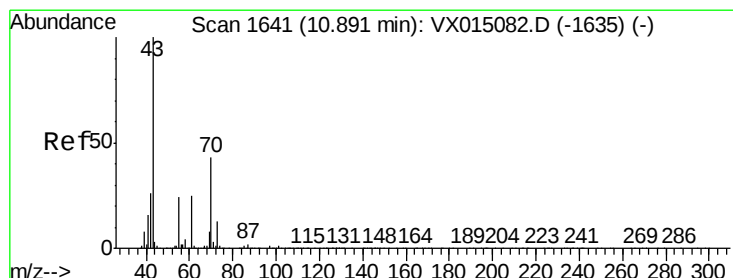
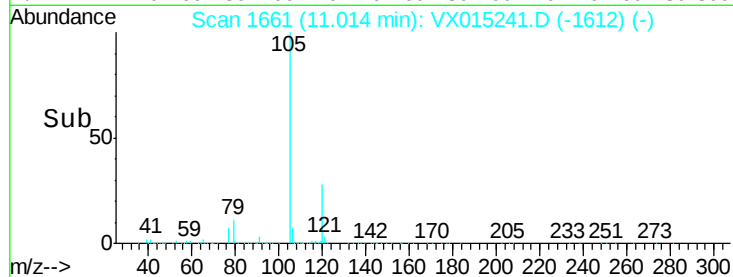
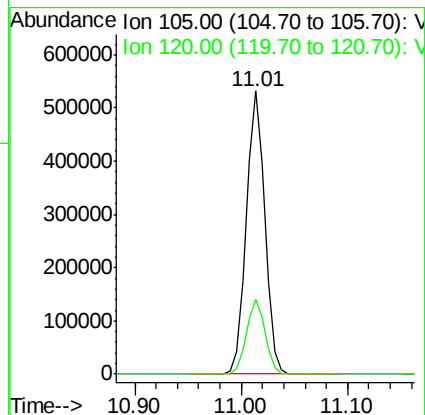
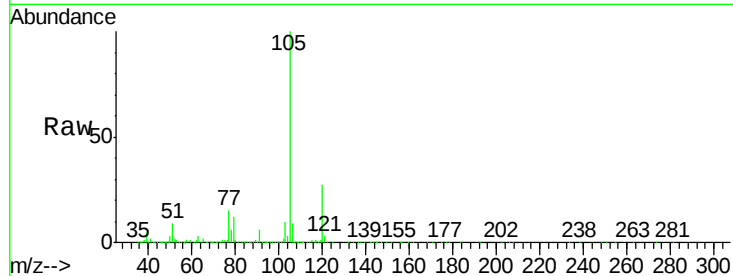
105 100

120 26.6 13.5 40.5

Manual Integrations  
APPROVED

MMDadoda

3/16/2020 11:43:55 AM



#74

N-ethyl acetate

Concen: 55.029 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

Tgt Ion: 43 Resp: 289143

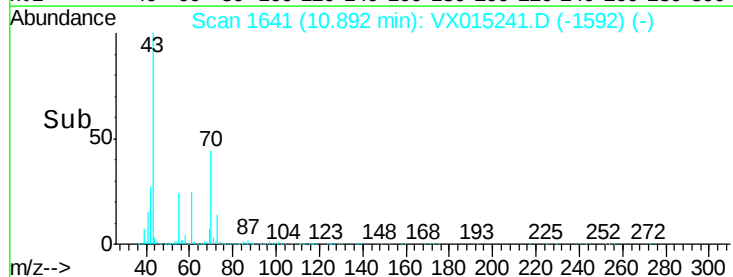
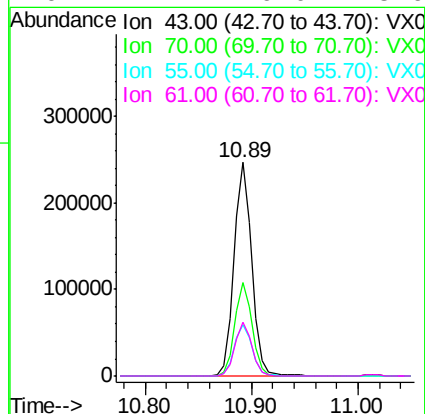
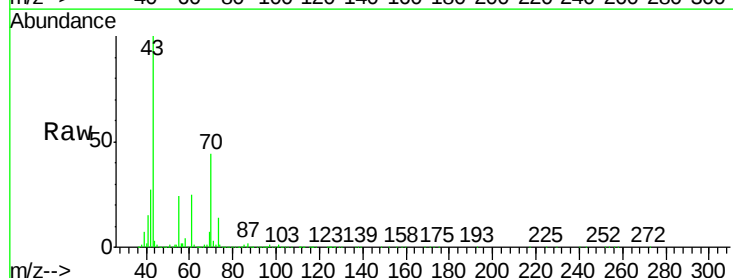
Ion Ratio Lower Upper

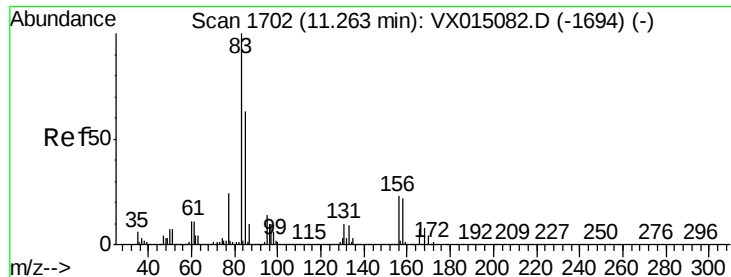
43 100

70 43.1 34.7 52.1

55 24.6 19.4 29.0

61 24.7 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.009 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 207792

Ion Ratio Lower Upper

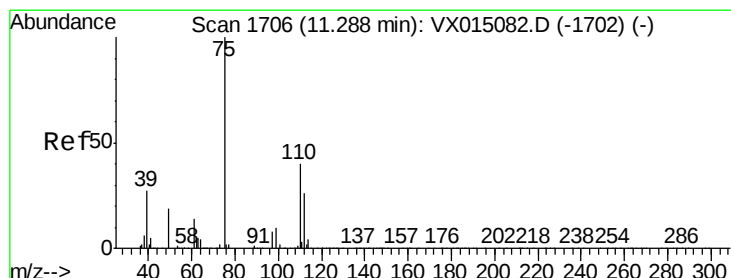
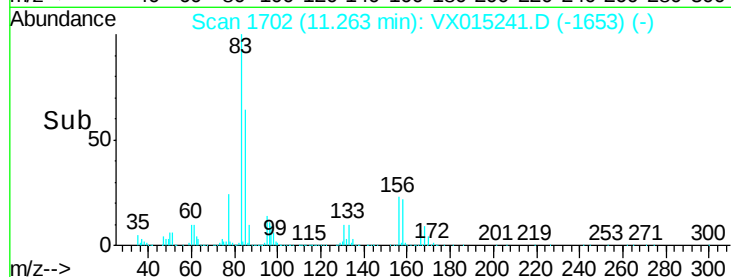
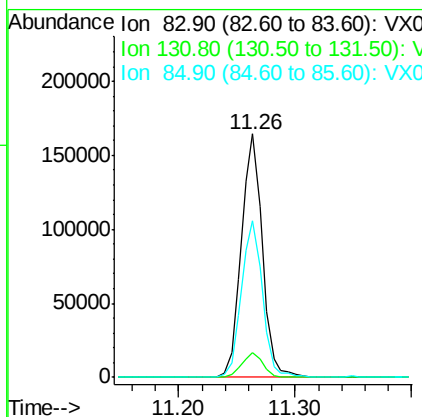
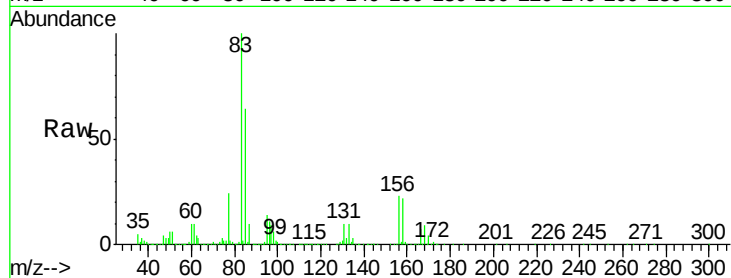
83 100

131 10.2 5.0 14.9

85 64.5 31.9 95.9

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 11:43:55 AM



#76

1,2,3-Trichloropropane

Concen: 52.212 ug/l m

RT: 11.29 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX015241.D

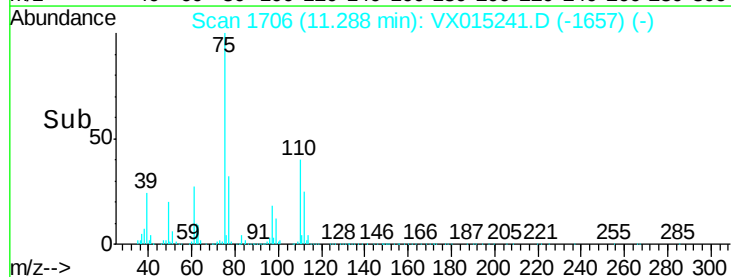
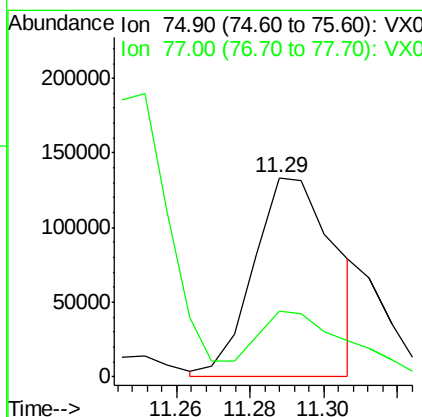
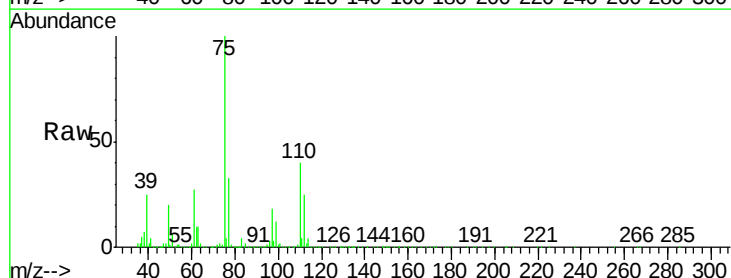
Acq: 12 Mar 2020 18:22

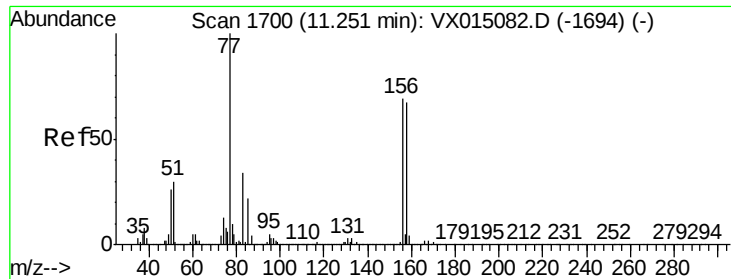
Tgt Ion: 75 Resp: 203270

Ion Ratio Lower Upper

75 100

77 38.4 22.6 67.8





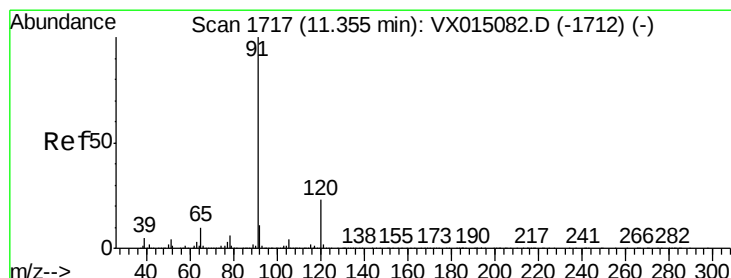
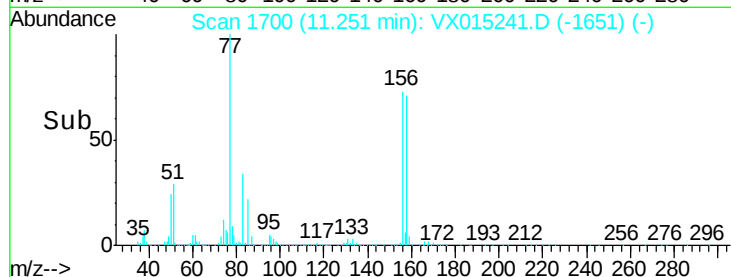
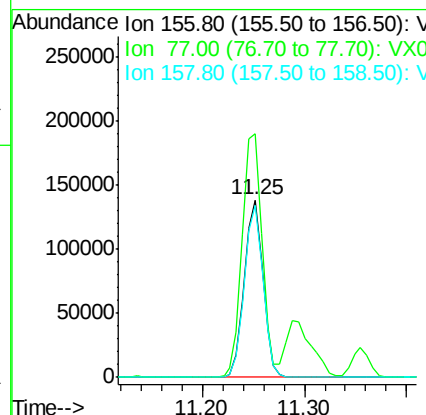
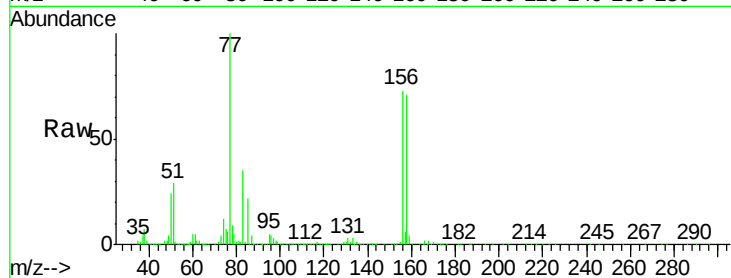
#77  
Bromobenzene  
Concen: 50.012 ug/l  
RT: 11.25 min Scan# 1700  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 145.4 | 75.3  | 225.9 |
| 158     | 97.3  | 48.5  | 145.6 |

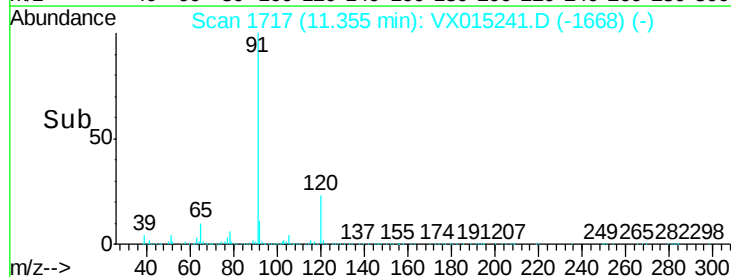
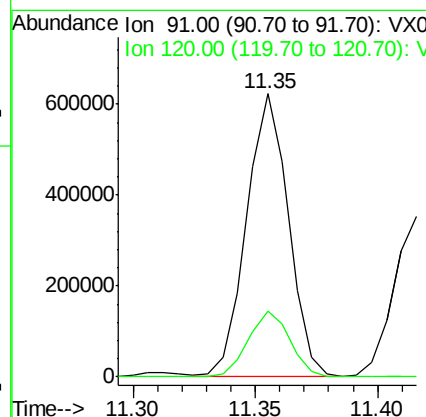
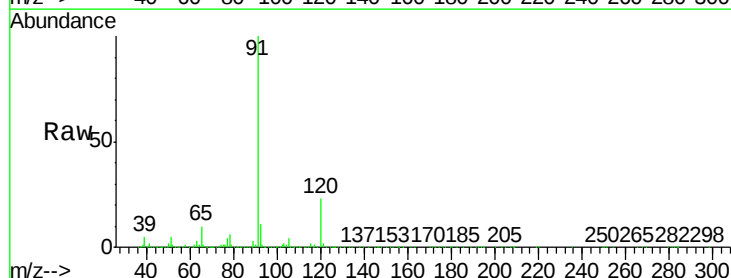
Manual Integrations  
APPROVED

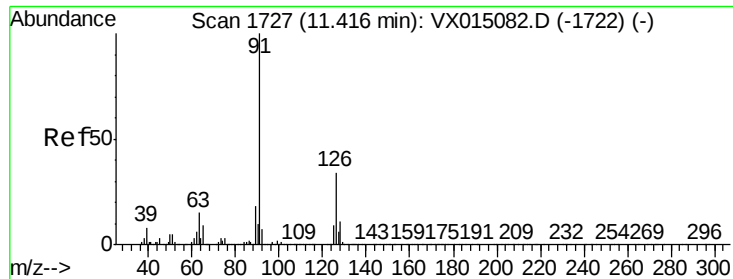
MMDadoda  
3/16/2020 11:43:55 AM



#78  
n-propylbenzene  
Concen: 51.860 ug/l  
RT: 11.35 min Scan# 1717  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.6  | 11.7  | 35.1  |





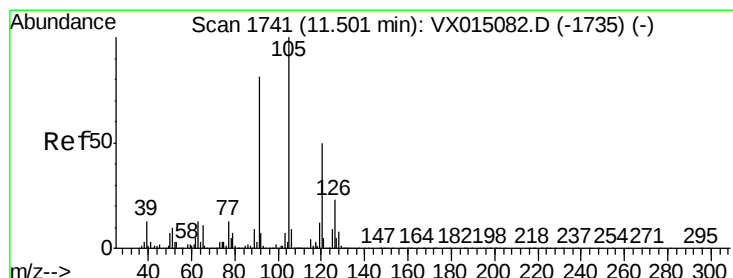
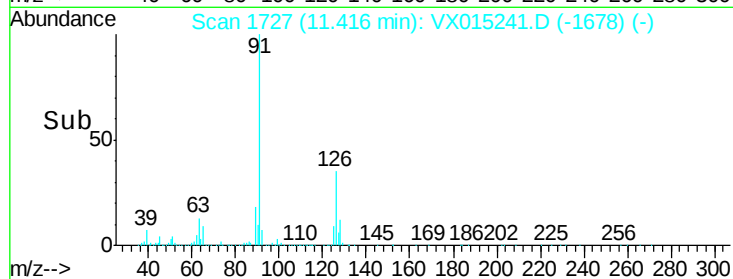
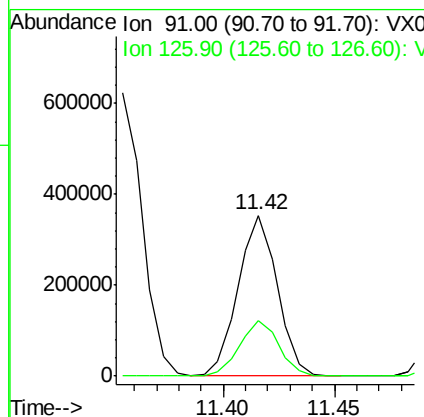
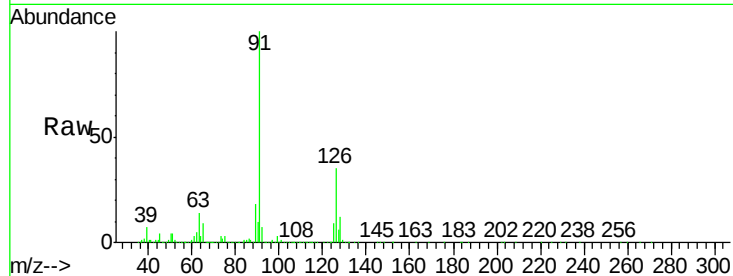
#79  
2-Chlorotoluene  
Concen: 51.029 ug/l  
RT: 11.42 min Scan# 1727  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 434075  
Ion Ratio Lower Upper  
91 100  
126 34.9 17.3 52.0

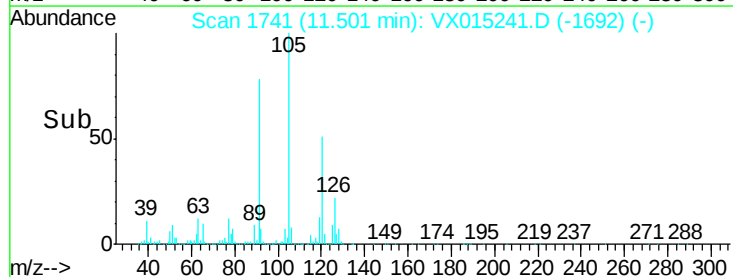
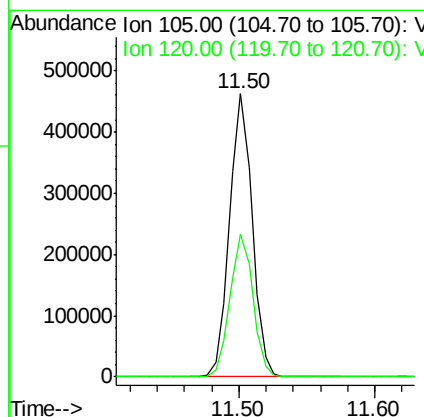
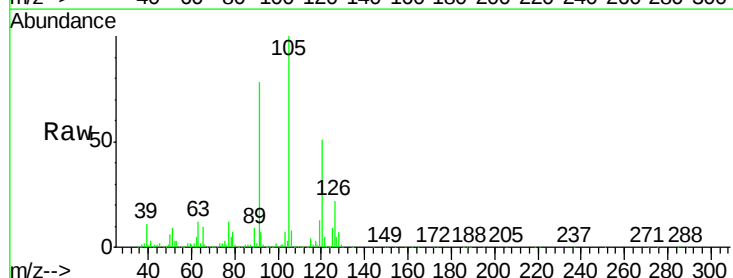
Manual Integrations  
APPROVED

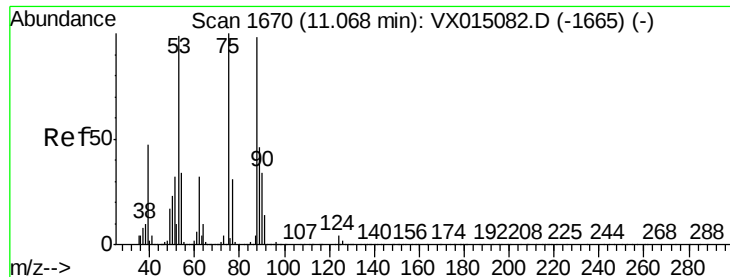
MMDadoda  
3/16/2020 11:43:55 AM



#80  
1,3,5-Trimethylbenzene  
Concen: 51.534 ug/l  
RT: 11.50 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Tgt Ion: 105 Resp: 534868  
Ion Ratio Lower Upper  
105 100  
120 51.2 25.1 75.4





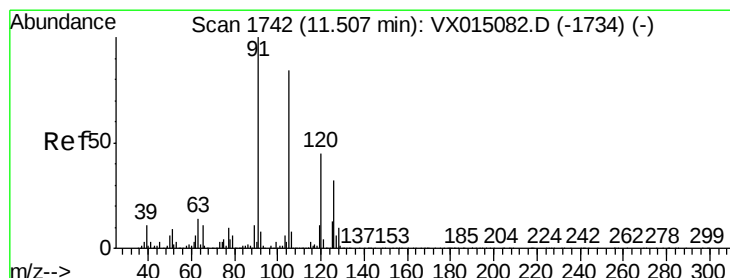
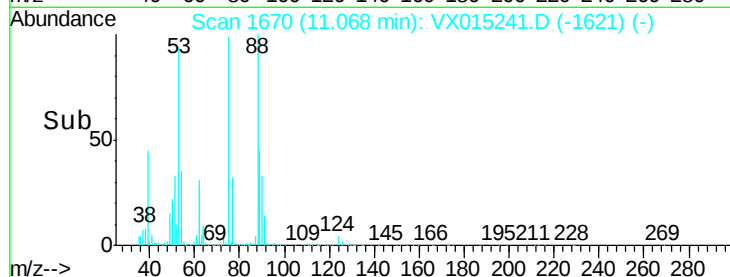
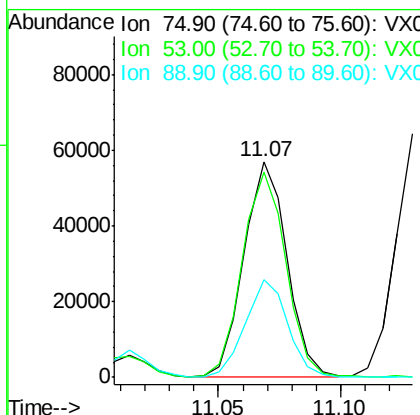
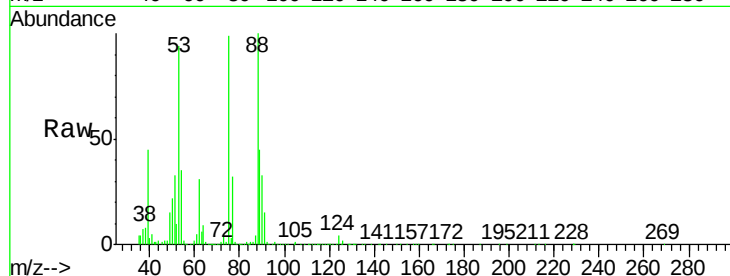
#81  
trans-1,4-Dichloro-2-butene  
Concen: 50.588 ug/l  
RT: 11.07 min Scan# 1670  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 96.9  | 77.9  | 116.9 |
| 89      | 44.5  | 36.2  | 54.2  |

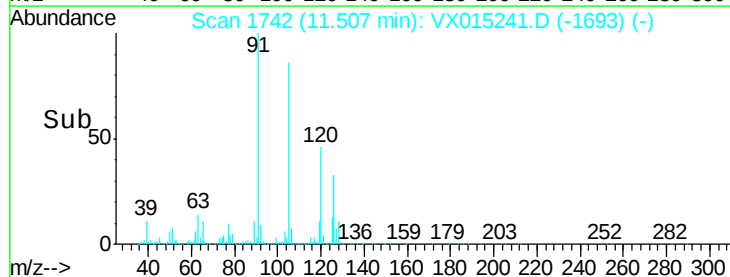
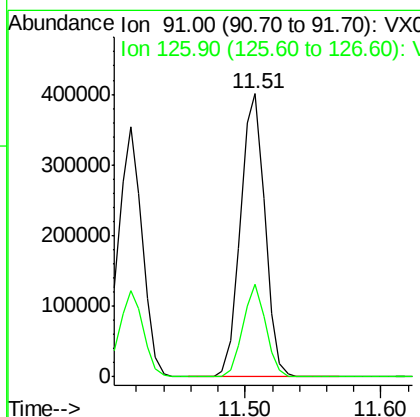
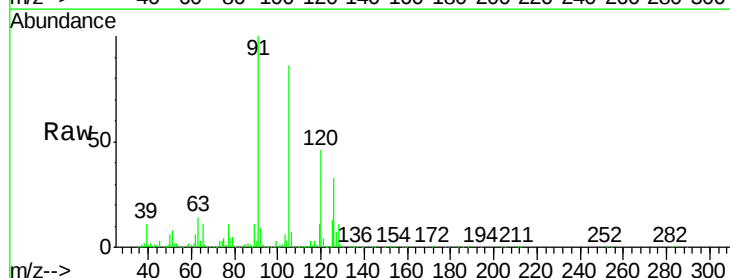
Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 11:43:55 AM



#82  
4-Chlorotoluene  
Concen: 49.874 ug/l  
RT: 11.51 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 30.5  | 15.4  | 46.2  |





#83

tert-Butylbenzene

Concen: 53.491 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

Instrument :

MSVOA\_X

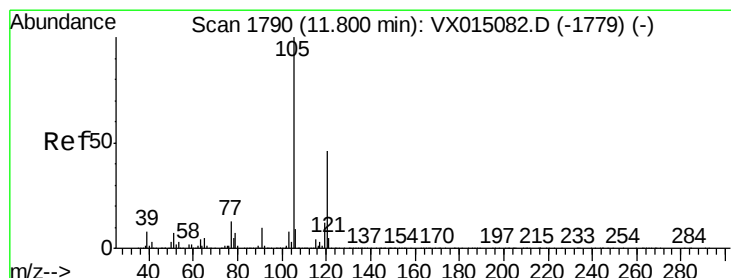
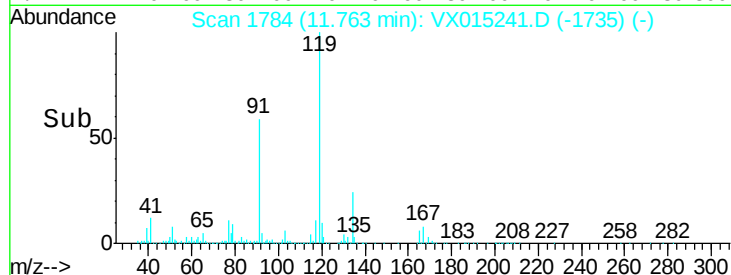
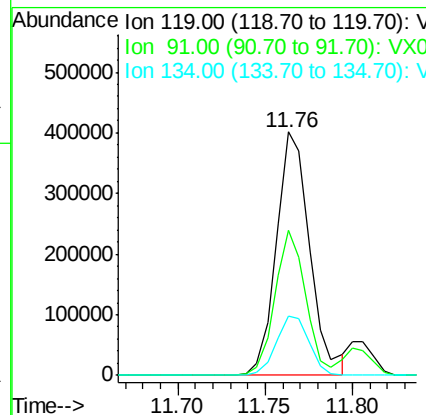
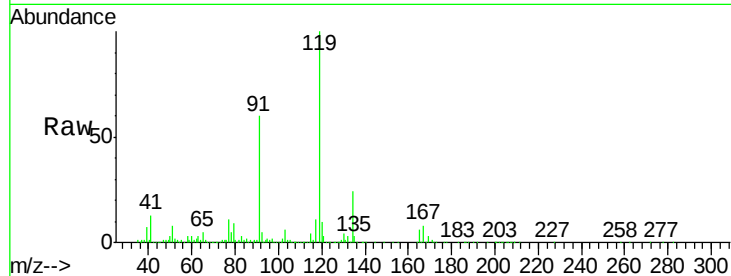
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 536819 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 55.1  | 28.5  | 85.6   |
| 134       | 23.8  | 11.9  | 35.7   |

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 11:43:55 AM



#84

1,2,4-Trimethylbenzene

Concen: 52.781 ug/l

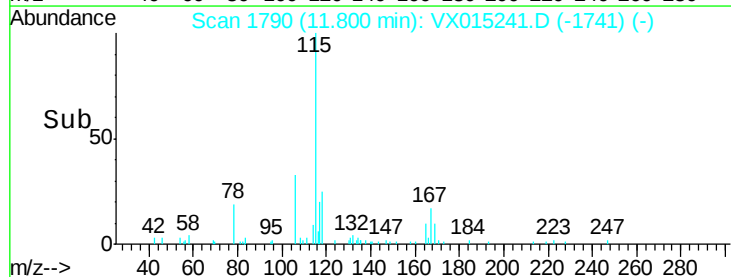
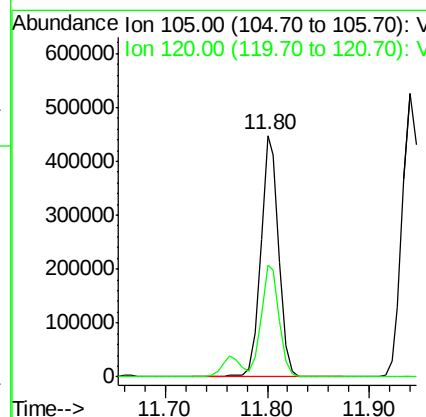
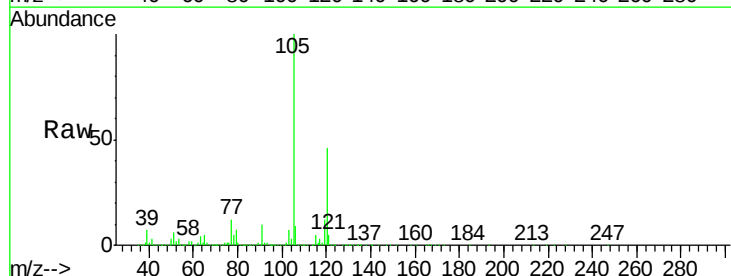
RT: 11.80 min Scan# 1790

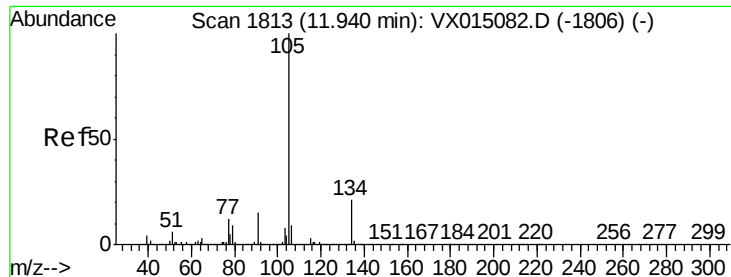
Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 550337 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 46.1  | 22.9  | 68.5   |





#85

sec-Butylbenzene

Concen: 52.290 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 633492

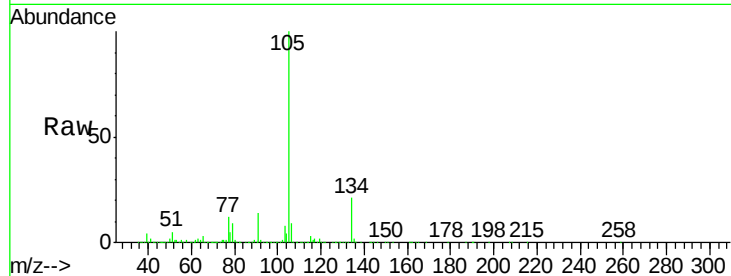
Ion Ratio Lower Upper

105 100

134 21.2 10.4 31.2

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 11:43:55 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

600000

500000

400000

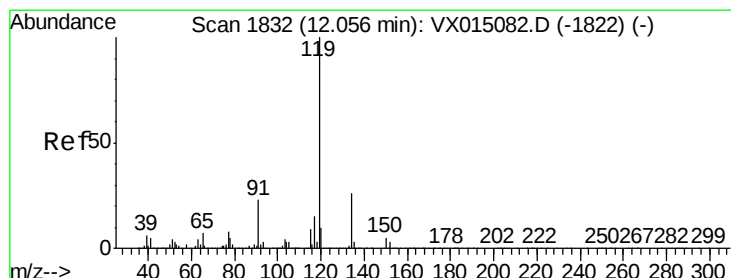
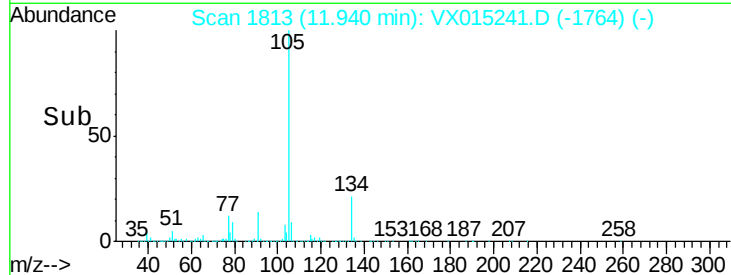
300000

200000

100000

0

Time--> 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 52.825 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

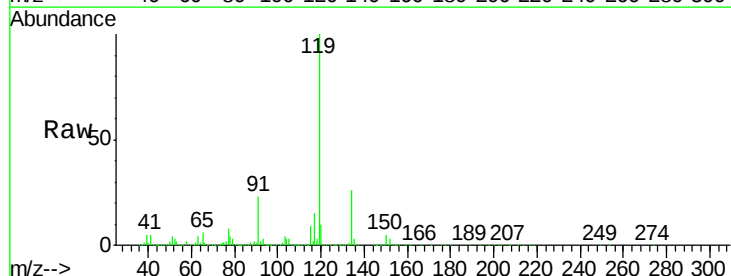
Tgt Ion:119 Resp: 589617

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 22.0 11.3 33.8



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): V

12.06

600000

500000

400000

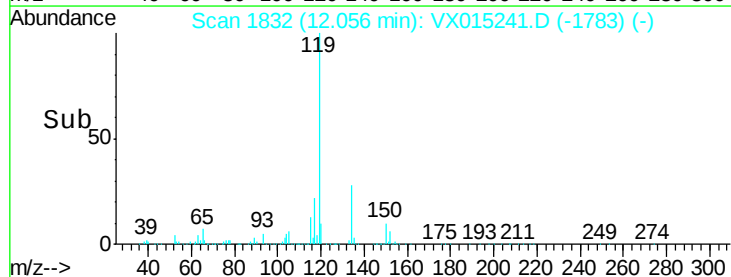
300000

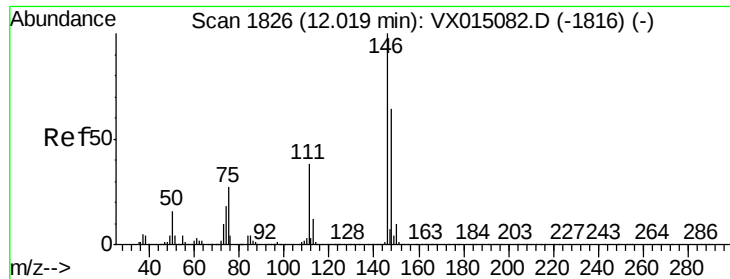
200000

100000

0

Time--> 11.90 12.00 12.10 12.20





#87

1,3-Dichlorobenzene

Concen: 50.355 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

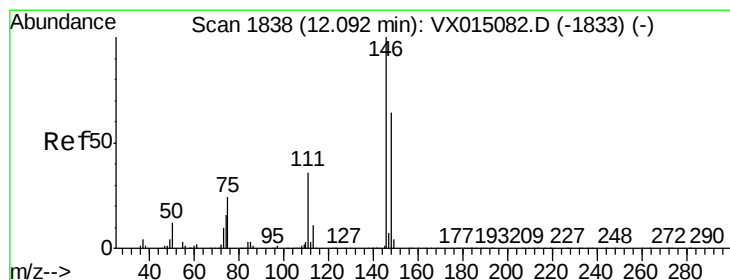
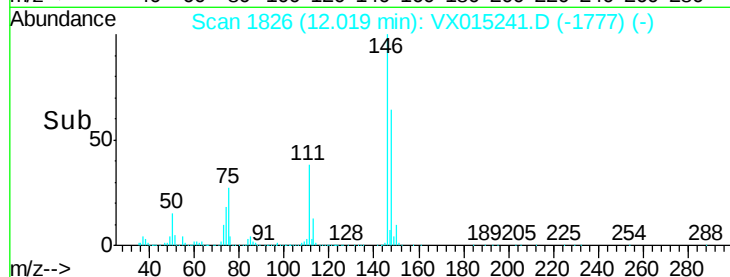
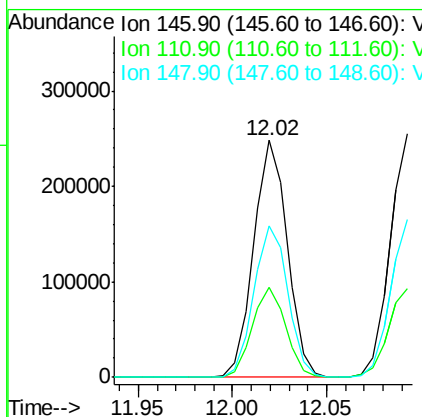
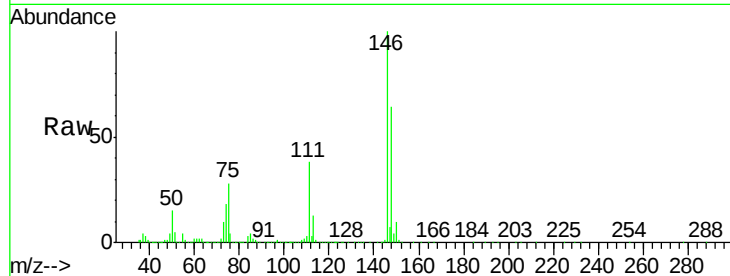
Instrument :  
MSVOA\_X

ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.7  | 19.1  | 57.1  |
| 148     | 64.7  | 31.9  | 95.5  |

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 11:43:55 AM



#88

1,4-Dichlorobenzene

Concen: 49.351 ug/l

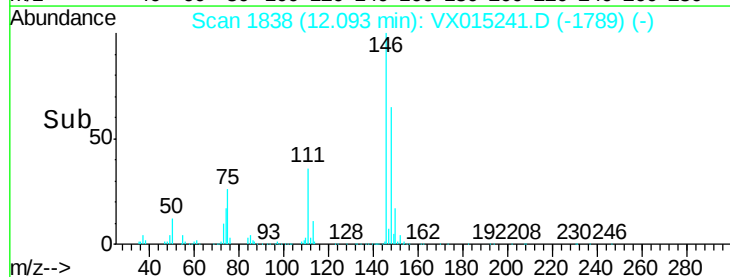
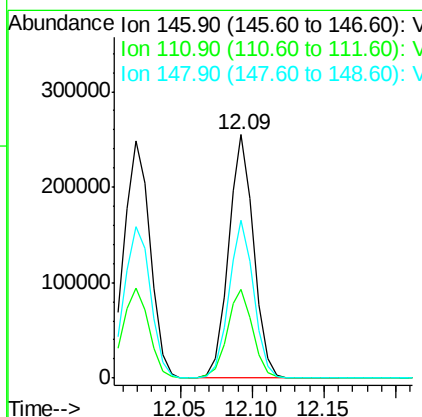
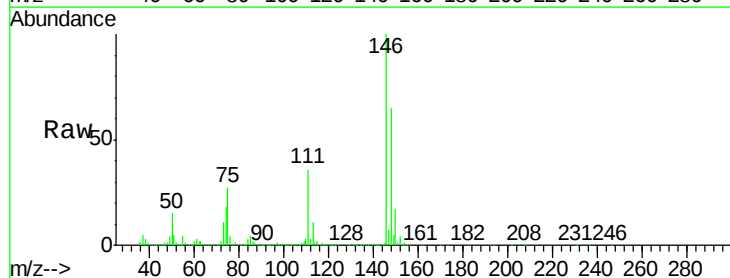
RT: 12.09 min Scan# 1838

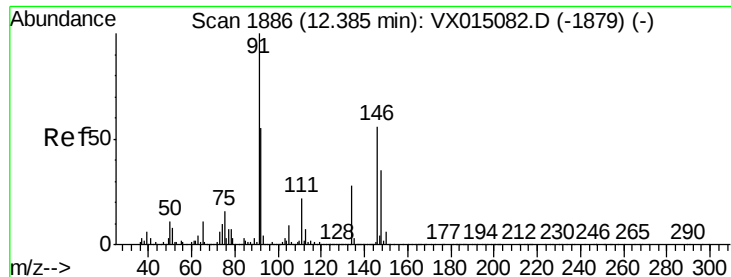
Delta R.T. 0.00 min

Lab File: VX015241.D

Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.0  | 18.7  | 56.1  |
| 148     | 64.0  | 32.5  | 97.4  |





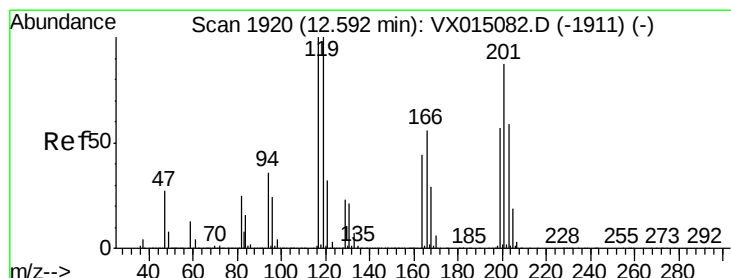
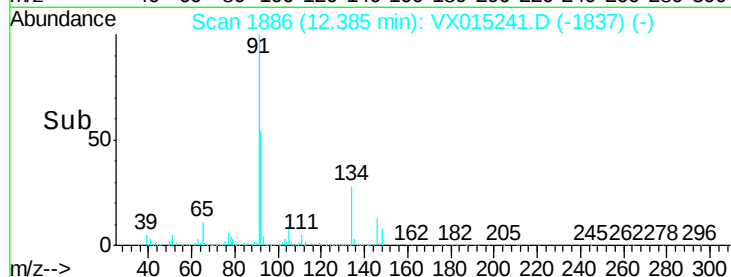
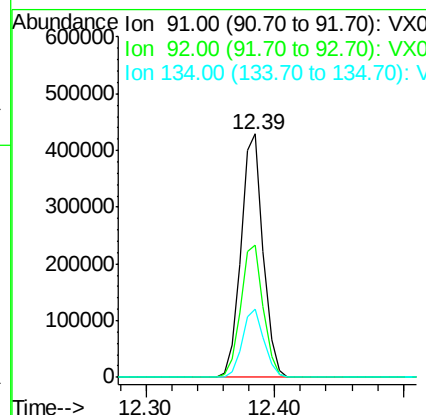
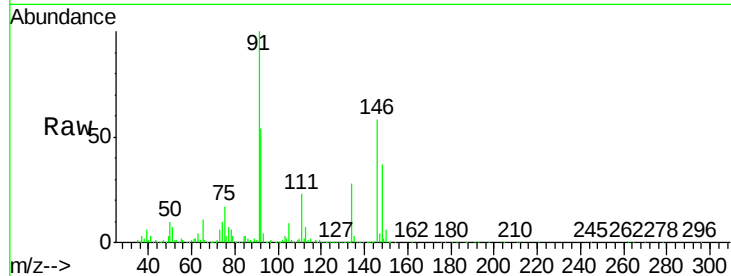
#89  
n-Butylbenzene  
Concen: 51.497 ug/l  
RT: 12.39 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 55.5  | 27.2  | 81.6  |
| 134     | 27.5  | 13.5  | 40.5  |

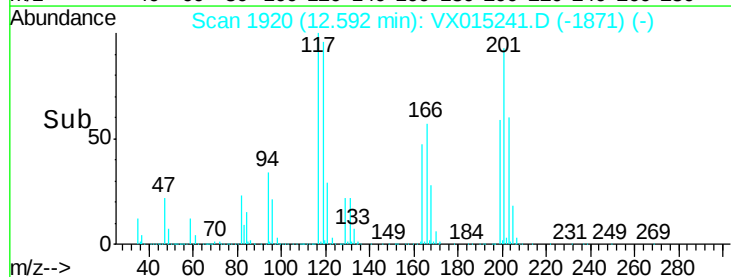
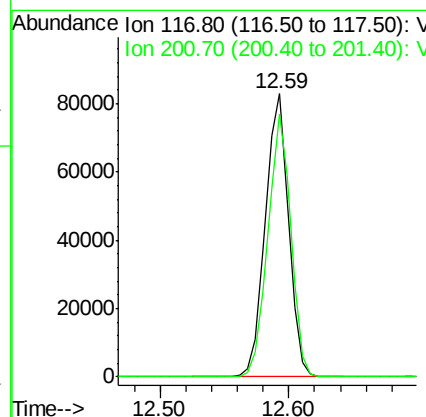
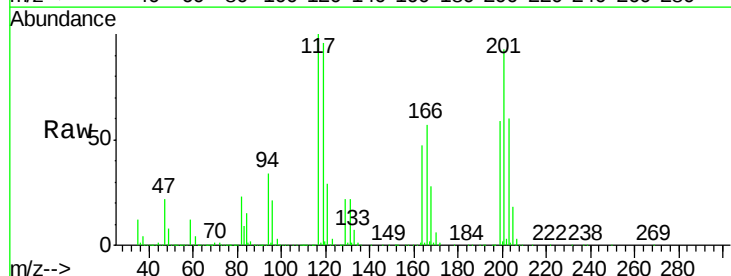
Manual Integrations  
APPROVED

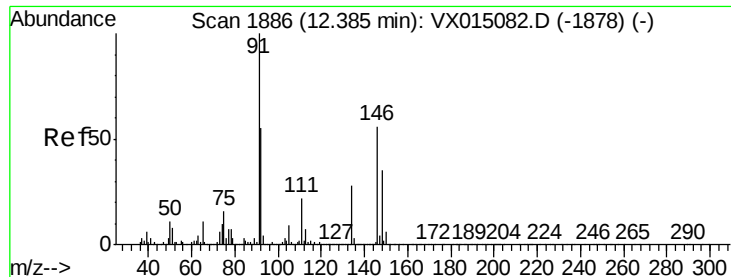
MMDadoda  
3/16/2020 11:43:55 AM



#90  
Hexachloroethane  
Concen: 48.923 ug/l  
RT: 12.59 min Scan# 1920  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 91.8  | 43.5  | 130.7 |





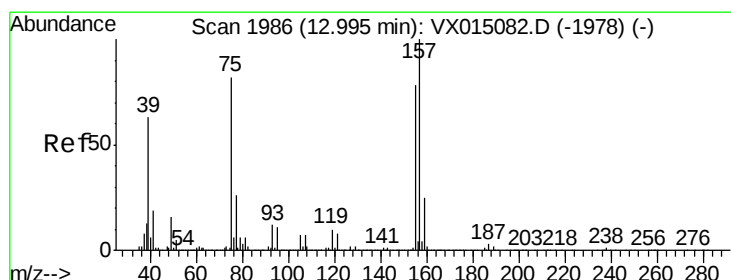
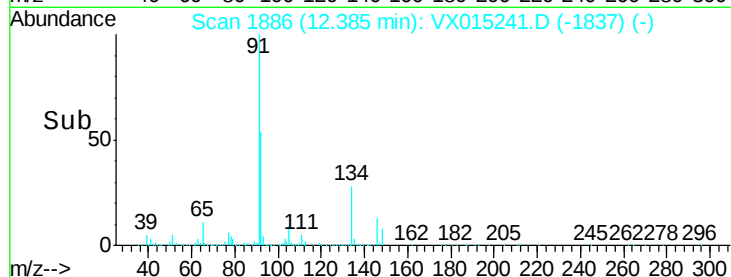
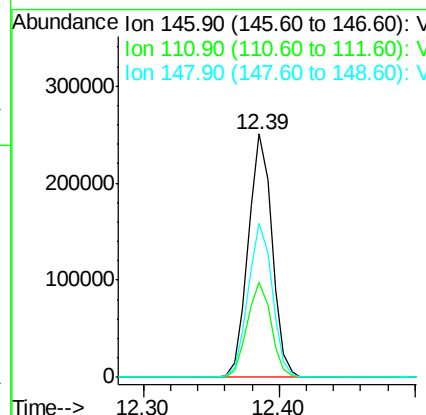
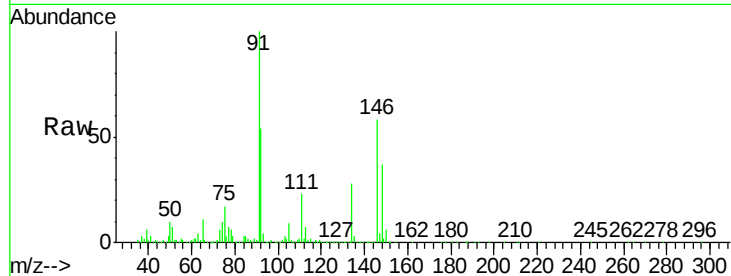
#91  
 1,2-Dichlorobenzene  
 Concen: 50.577 ug/l  
 RT: 12.39 min Scan# 1886  
 Delta R.T. 0.00 min  
 Lab File: VX015241.D  
 Acq: 12 Mar 2020 18:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.1  | 19.9  | 59.7  |
| 148     | 64.1  | 32.3  | 96.8  |

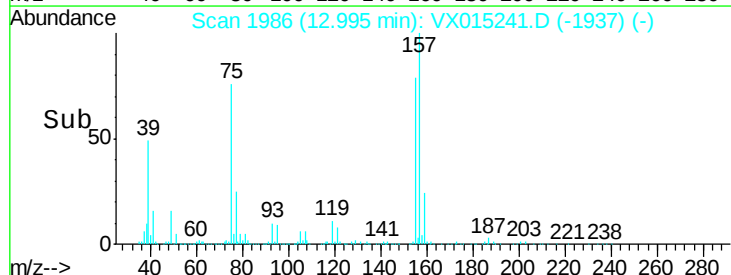
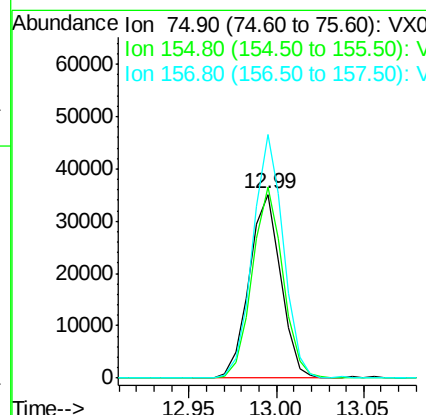
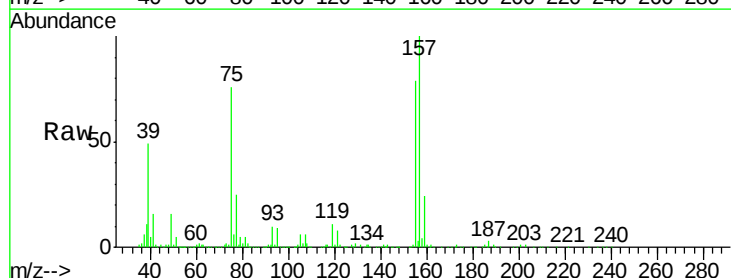
Manual Integrations  
 APPROVED

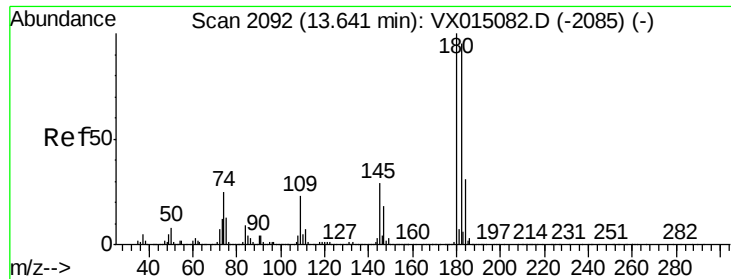
MMDadoda  
 3/16/2020 11:43:55 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 52.753 ug/l  
 RT: 12.99 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VX015241.D  
 Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 101.7 | 46.6  | 139.7 |
| 157     | 129.6 | 59.2  | 177.5 |





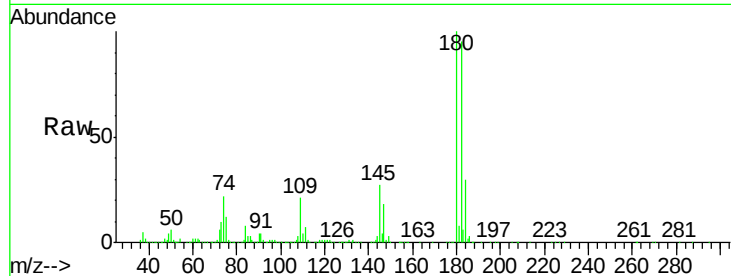
#93  
1,2,4-Trichlorobenzene  
Concen: 53.370 ug/l  
RT: 13.64 min Scan# 2092  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

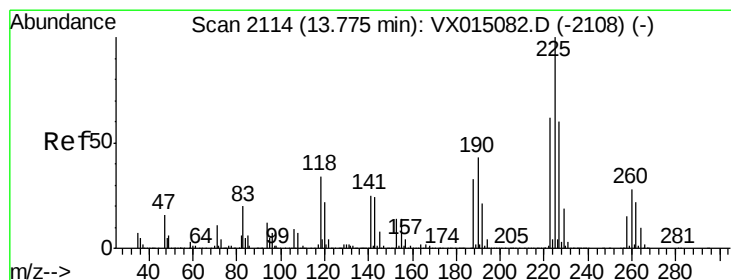
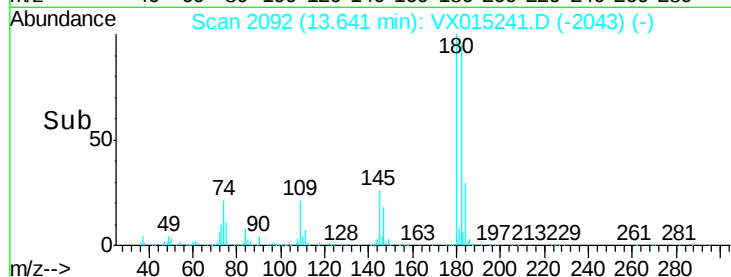
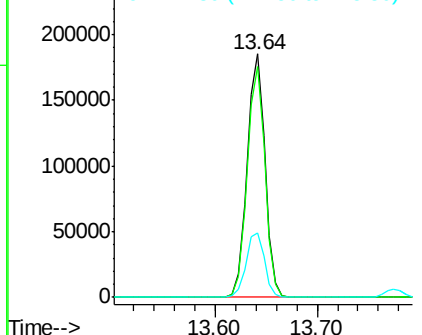
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 224977 |       |       |
| 182     | 94.6  |        | 47.6  | 142.8 |
| 145     | 27.6  |        | 14.1  | 42.2  |

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 11:43:55 AM

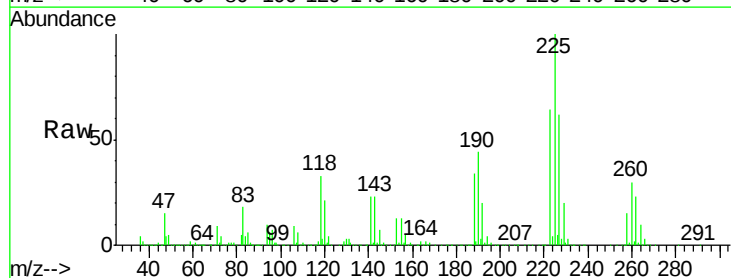


Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.80 (144.50 to 145.50): V

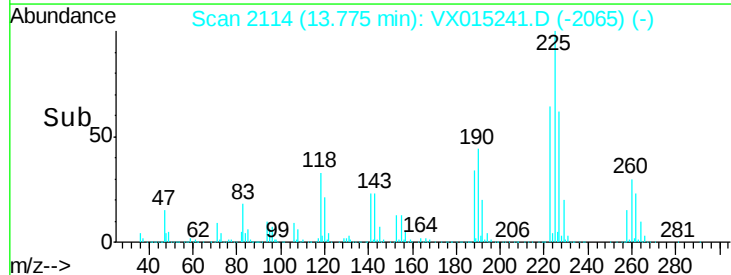
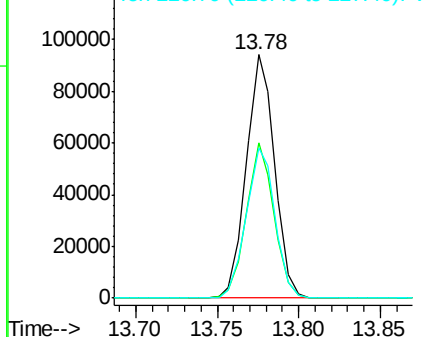


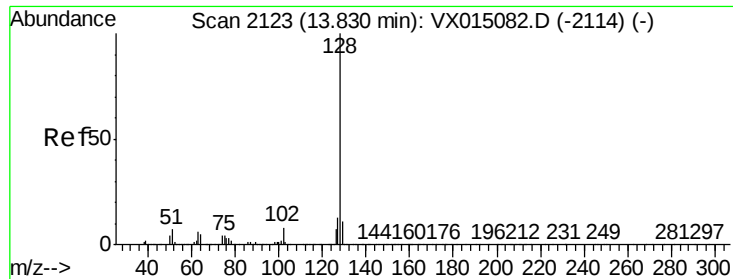
#94  
Hexachlorobutadiene  
Concen: 52.542 ug/l  
RT: 13.78 min Scan# 2114  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 113655 |       |       |
| 223     | 62.2  |        | 31.3  | 93.9  |
| 227     | 63.1  |        | 31.1  | 93.2  |



Abundance Ion 224.70 (224.40 to 225.40): V  
Ion 222.70 (222.40 to 223.40): V  
Ion 226.70 (226.40 to 227.40): V





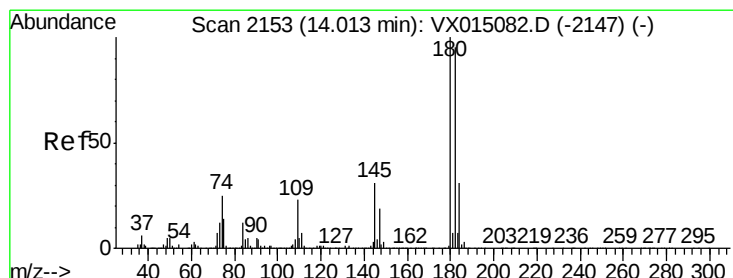
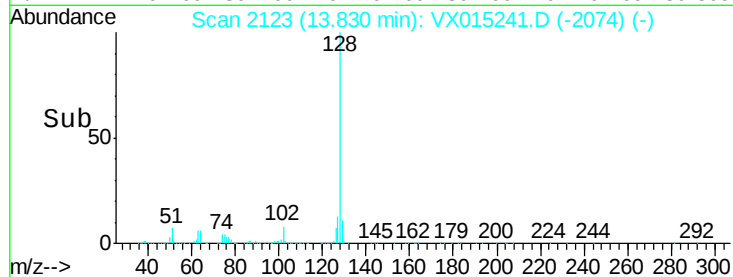
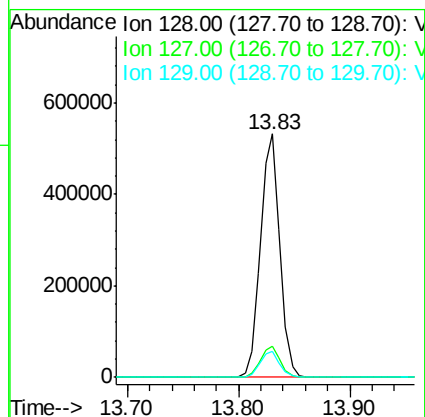
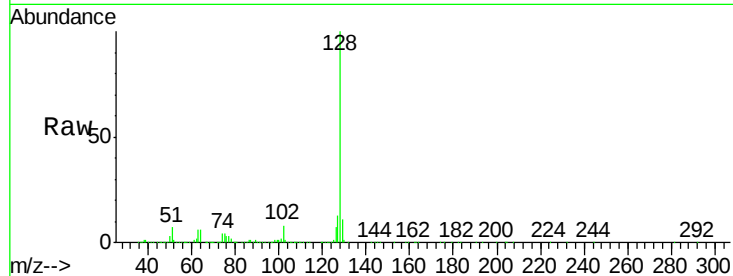
#95  
Naphthalene  
Concen: 49.920 ug/l  
RT: 13.83 min Scan# 2123  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.3  | 15.5  |
| 129     | 10.8  | 8.6   | 13.0  |

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 11:43:55 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 53.080 ug/l  
RT: 14.01 min Scan# 2153  
Delta R.T. 0.00 min  
Lab File: VX015241.D  
Acq: 12 Mar 2020 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.5  | 47.8  | 143.4 |
| 145     | 29.6  | 15.1  | 45.3  |

