

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100419\  
 Data File : VX012827.D  
 Acq On : 04 Oct 2019 21:14  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 10/7/2019 9:26:42 AM

Quant Time: Oct 05 06:42:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092319W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 23 12:27:01 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 164427   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 279752   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 253728   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 121169   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.05   | 65  | 110256   | 46.05 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.10%  |      |
| 35) Dibromofluoromethane  | 5.49   | 113 | 85340    | 51.22 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.44% |      |
| 50) Toluene-d8            | 8.71   | 98  | 321118   | 50.05 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.10% |      |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 126358   | 50.09 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.18% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 72896   | 39.408  | ug/l | 99     |
| 3) Chloromethane              | 1.32 | 50  | 84197   | 39.640  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 89857   | 42.561  | ug/l | 96     |
| 5) Bromomethane               | 1.62 | 94  | 35266   | 42.485  | ug/l | 95     |
| 6) Chloroethane               | 1.70 | 64  | 59606   | 41.880  | ug/l | 95     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 131308  | 44.298  | ug/l | 97     |
| 8) Diethyl Ether              | 2.18 | 74  | 54923   | 45.213  | ug/l | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 84029   | 46.542  | ug/l | 97     |
| 10) Methyl Iodide             | 2.50 | 142 | 87517   | 46.408  | ug/l | 92     |
| 11) Tert butyl alcohol        | 3.04 | 59  | 149938  | 250.678 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 84634   | 47.873  | ug/l | 96     |
| 13) Acrolein                  | 2.28 | 56  | 77206   | 232.462 | ug/l | 98     |
| 14) Allyl chloride            | 2.72 | 41  | 156602  | 44.648  | ug/l | 96     |
| 15) Acrylonitrile             | 3.13 | 53  | 287741  | 237.120 | ug/l | 99     |
| 16) Acetone                   | 2.44 | 43  | 244819  | 193.036 | ug/l | 95     |
| 17) Carbon Disulfide          | 2.56 | 76  | 217457  | 43.876  | ug/l | 100    |
| 18) Methyl Acetate            | 2.76 | 43  | 143087  | 47.914  | ug/l | 96     |
| 19) Methyl tert-butyl Ether   | 3.19 | 73  | 325053  | 48.576  | ug/l | 99     |
| 20) Methylene Chloride        | 2.84 | 84  | 99918   | 46.580  | ug/l | 94     |
| 21) trans-1,2-Dichloroethene  | 3.15 | 96  | 91544   | 46.740  | ug/l | 96     |
| 22) Diisopropyl ether         | 3.84 | 45  | 318306  | 46.966  | ug/l | 97     |
| 23) Vinyl Acetate             | 3.80 | 43  | 1382171 | 232.553 | ug/l | 97     |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 175420  | 47.616  | ug/l | 99     |
| 25) 2-Butanone                | 4.66 | 43  | 398679  | 219.236 | ug/l | 95     |
| 26) 2,2-Dichloropropane       | 4.57 | 77  | 126408  | 38.579  | ug/l | 95     |
| 27) cis-1,2-Dichloroethene    | 4.58 | 96  | 109049  | 47.985  | ug/l | 91     |
| 28) Bromochloromethane        | 5.00 | 49  | 66352   | 49.603  | ug/l | 97     |
| 29) Tetrahydrofuran           | 5.11 | 42  | 255180  | 230.229 | ug/l | 95     |
| 30) Chloroform                | 5.20 | 83  | 177830  | 47.181  | ug/l | 99     |
| 31) Cyclohexane               | 5.57 | 56  | 150681  | 45.211  | ug/l | 94     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97  | 155387  | 46.517  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 129088  | 47.872  | ug/l | 97     |
| 37) Ethyl Acetate             | 4.82 | 43  | 149926  | 47.558  | ug/l | 96     |
| 38) Carbon Tetrachloride      | 5.77 | 117 | 130321  | 47.577  | ug/l | 98     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 10/7/2019 9:26:42 AM

Quant Time: Oct 05 06:42:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092319W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 23 12:27:01 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 150576   | 46.385   | ug/l   | 96       |
| 40) Benzene                    | 6.14  | 78   | 392248   | 49.439   | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.03  | 41   | 84659    | 47.863   | ug/l   | 93       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 142488   | 47.294   | ug/l   | 97       |
| 43) Isopropyl Acetate          | 6.43  | 43   | 251972   | 47.795   | ug/l   | 97       |
| 44) Trichloroethene            | 7.20  | 130  | 101489   | 50.037   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 103782   | 51.092   | ug/l   | 100      |
| 46) Dibromomethane             | 7.65  | 93   | 67415    | 48.746   | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.89  | 83   | 139317   | 50.403   | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.76  | 41   | 121513   | 48.069   | ug/l   | 91       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 59688    | 1041.007 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 788691   | 242.354  | ug/l   | 95       |
| 52) Toluene                    | 8.78  | 92   | 248585   | 49.851   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 150310   | 49.150   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 161486   | 48.362   | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 101902   | 51.401   | ug/l   | 97       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 170477   | 51.185   | ug/l   | 91       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 174020   | 50.154   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 388626   | 259.947  | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.49  | 43   | 606350   | 243.420  | ug/l   | 93       |
| 60) Dibromochloromethane       | 9.57  | 129  | 106376   | 53.006   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 105834   | 51.295   | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.33  | 164  | 91317    | 51.620   | ug/l   | 93       |
| 65) Chlorobenzene              | 10.14 | 112  | 264129   | 49.435   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 99593    | 51.446   | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 483254   | 49.867   | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.35 | 106  | 361129   | 99.480   | ug/l   | 99       |
| 69) o-Xylene                   | 10.70 | 106  | 176999   | 50.389   | ug/l   | 100      |
| 70) Styrene                    | 10.71 | 104  | 305823   | 51.934   | ug/l   | 99       |
| 71) Bromoform                  | 10.85 | 173  | 74403    | 55.196   | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.01 | 105  | 477206   | 48.355   | ug/l   | 100      |
| 74) N-amyl acetate             | 10.89 | 43   | 222897   | 47.343   | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 158297   | 48.432   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 150683m  | 47.012   | ug/l   |          |
| 77) Bromobenzene               | 11.25 | 156  | 108456   | 48.557   | ug/l   | 99       |
| 78) n-propylbenzene            | 11.35 | 91   | 520023   | 46.804   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 330712   | 47.715   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 402067   | 48.583   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 49038    | 43.845   | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 384903   | 48.716   | ug/l   | 98       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 383572   | 48.048   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 408534   | 48.935   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 450831   | 48.553   | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 417728   | 49.859   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 202732   | 50.436   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 202801   | 49.929   | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.38 | 91   | 360887   | 48.882   | ug/l   | 99       |
| 90) Hexachloroethane           | 12.59 | 117  | 71447    | 47.833   | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 203575   | 50.588   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 40062    | 49.001   | ug/l   | 95       |

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Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

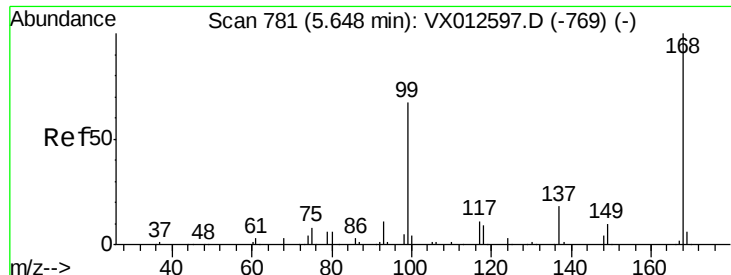
MMDadoda  
10/7/2019 9:26:42 AM

Quant Time: Oct 05 06:42:14 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092319W.M  
Quant Title : SW846 8260  
QLast Update : Mon Sep 23 12:27:01 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180  | 128887   | 52.518 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.77 | 225  | 52330    | 49.565 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 453206   | 51.041 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 128973   | 52.462 | ug/l  | 98       |

(#) = 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. 0.01 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 164427

Ion Ratio Lower Upper

168 100

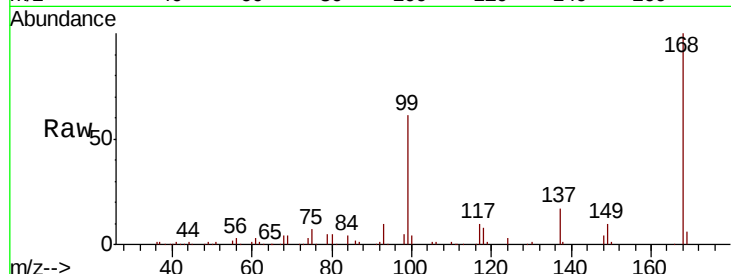
99 61.2 51.4 77.2

Manual Integrations

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10/7/2019 9:26:42 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

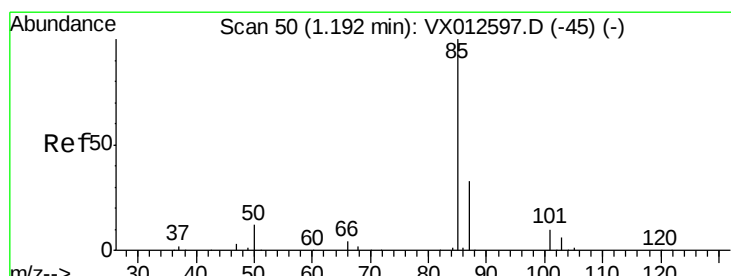
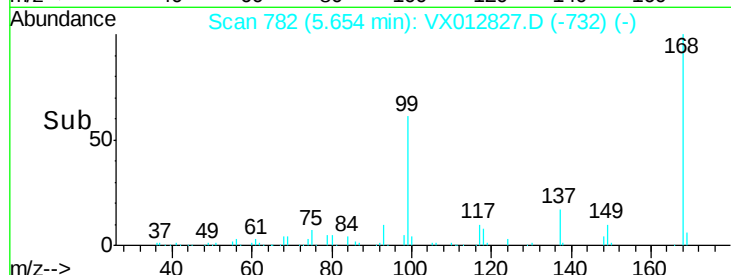
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 39.408 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012827.D

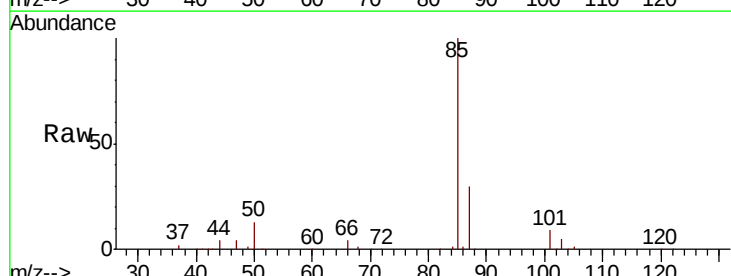
Acq: 04 Oct 2019 21:14

Tgt Ion: 85 Resp: 72896

Ion Ratio Lower Upper

85 100

87 30.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

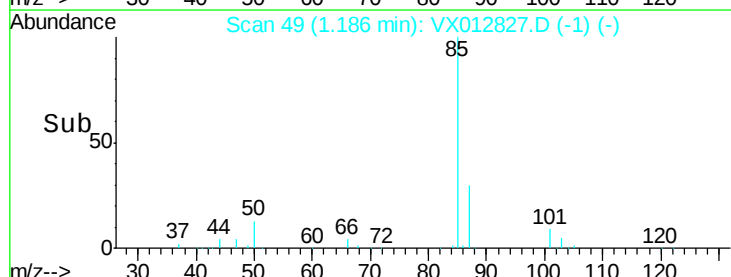
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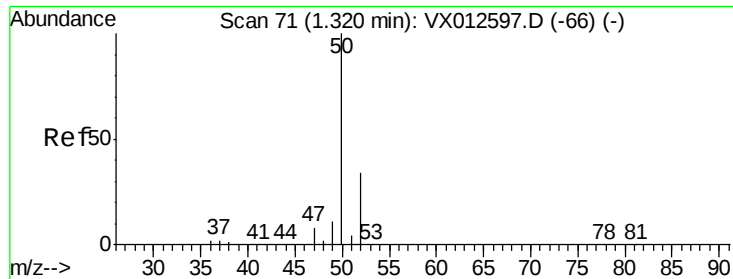
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20000

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Time-->





#3

Chloromethane

Concen: 39.640 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 84197

Ion Ratio Lower Upper

50 100

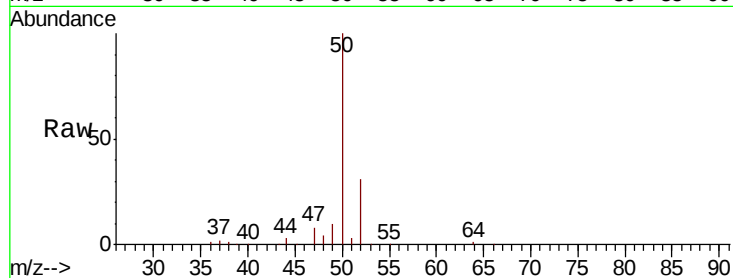
52 31.5 25.7 38.5

Manual Integrations

APPROVED

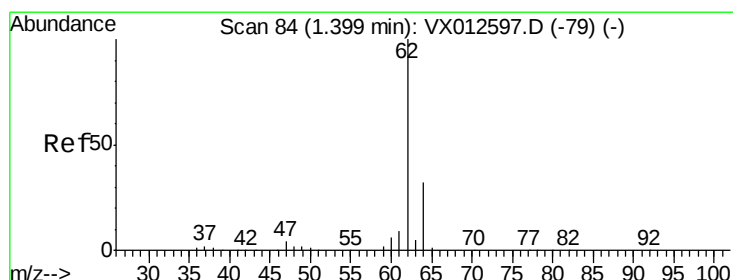
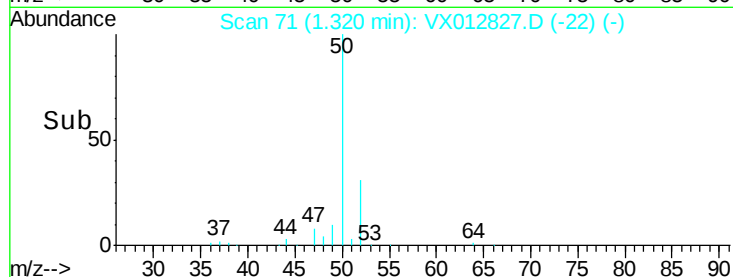
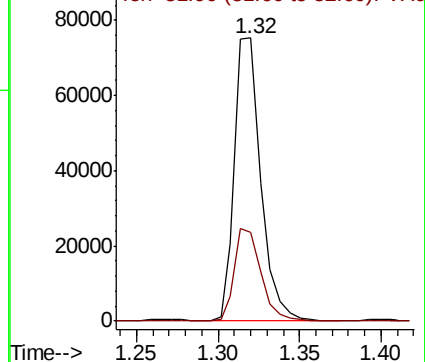
MMDadoda

10/7/2019 9:26:42 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 42.561 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012827.D

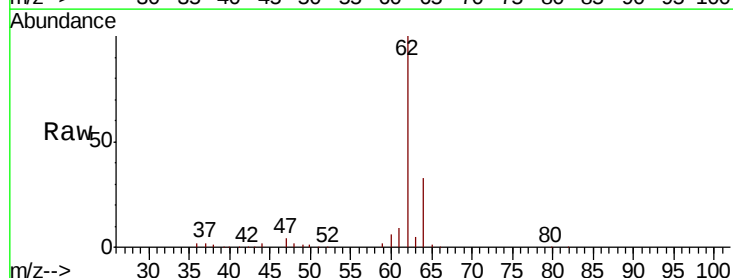
Acq: 04 Oct 2019 21:14

Tgt Ion: 62 Resp: 89857

Ion Ratio Lower Upper

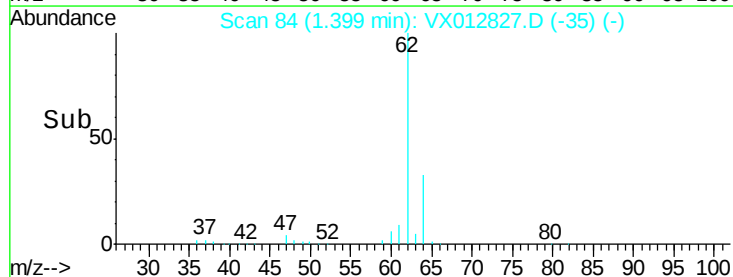
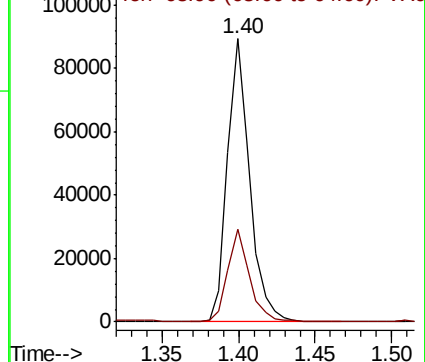
62 100

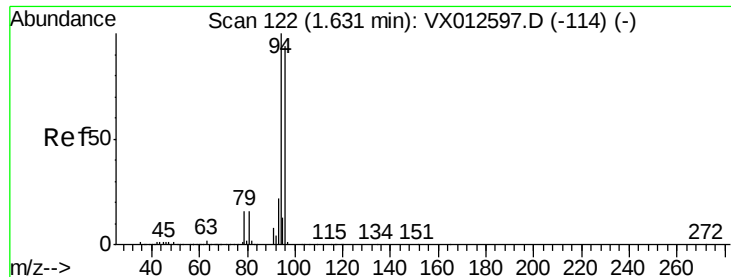
64 32.5 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 42.485 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 35266

Ion Ratio Lower Upper

94 100

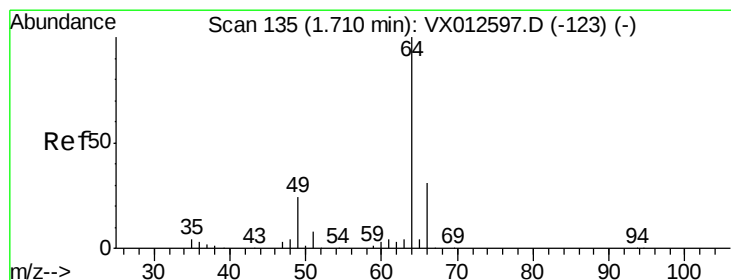
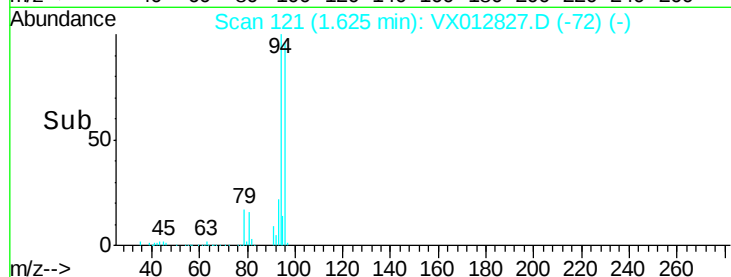
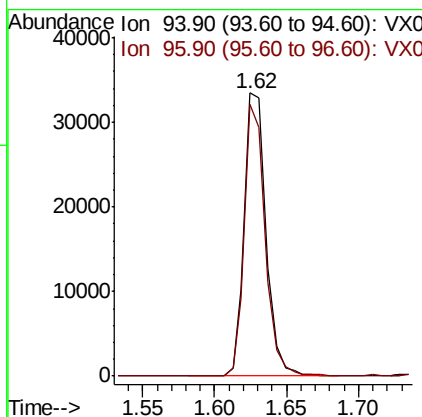
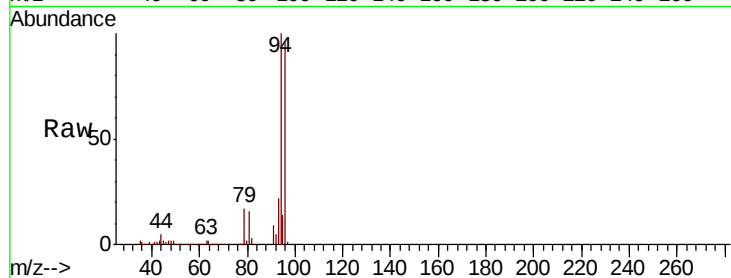
96 96.2 72.8 109.2

Manual Integrations

APPROVED

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10/7/2019 9:26:42 AM



#6

Chloroethane

Concen: 41.880 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012827.D

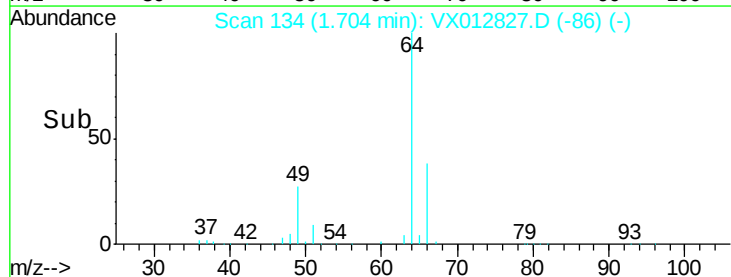
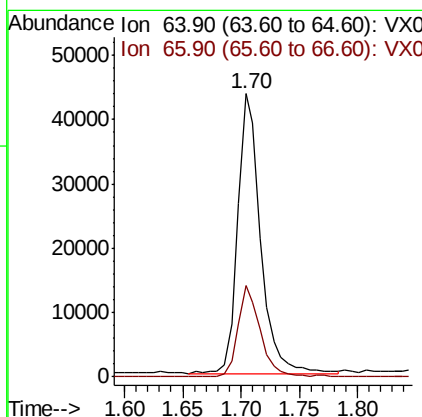
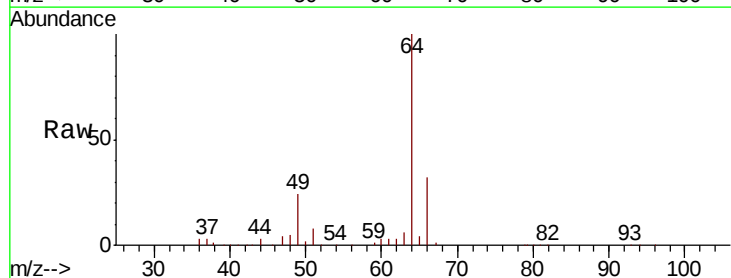
Acq: 04 Oct 2019 21:14

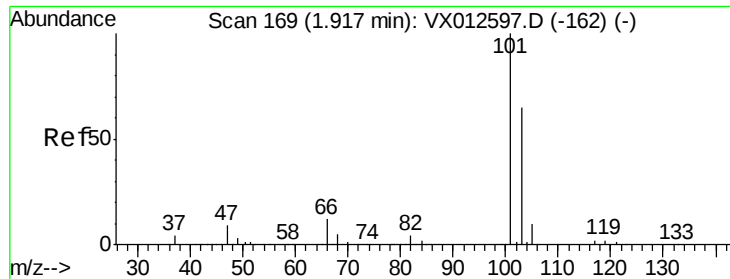
Tgt Ion: 64 Resp: 59606

Ion Ratio Lower Upper

64 100

66 32.5 24.0 36.0





#7

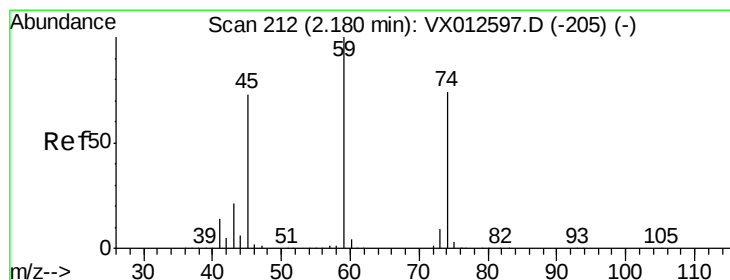
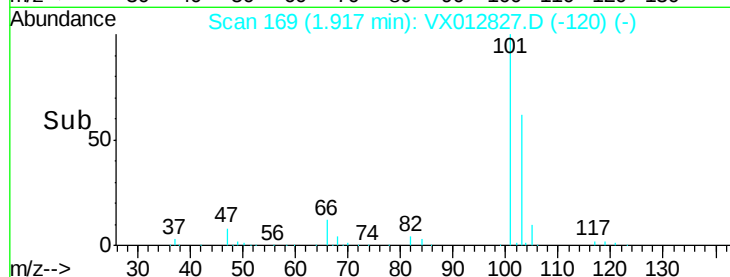
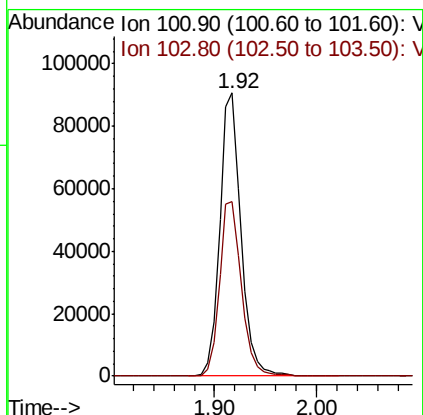
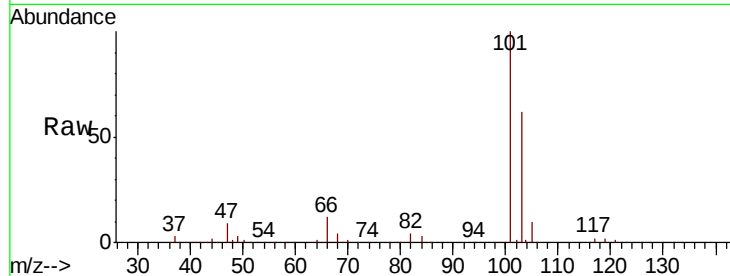
Trichlorofluoromethane  
Concen: 44.298 ug/l  
RT: 1.92 min Scan# 169  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 61.6  | 51.0  | 76.4  |

Manual Integrations  
APPROVED

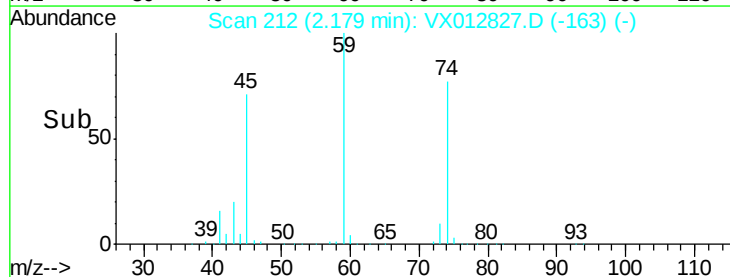
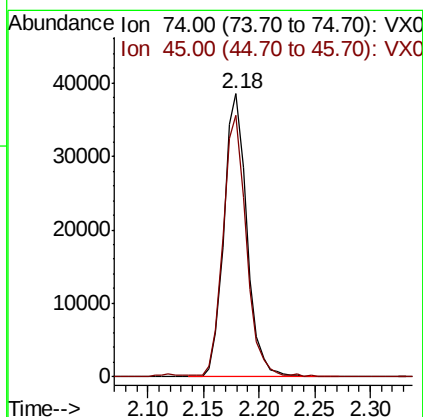
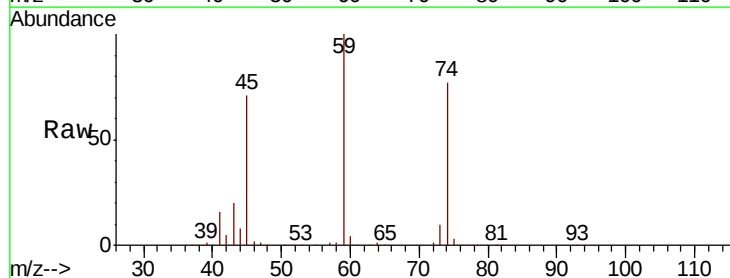
MMDadoda  
10/7/2019 9:26:42 AM

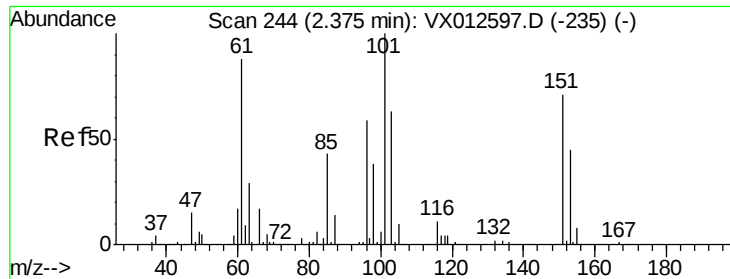


#8

Diethyl Ether  
Concen: 45.213 ug/l  
RT: 2.18 min Scan# 212  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 94.7  | 49.9  | 149.7 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.542 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

Instrument :

MSVOA\_X

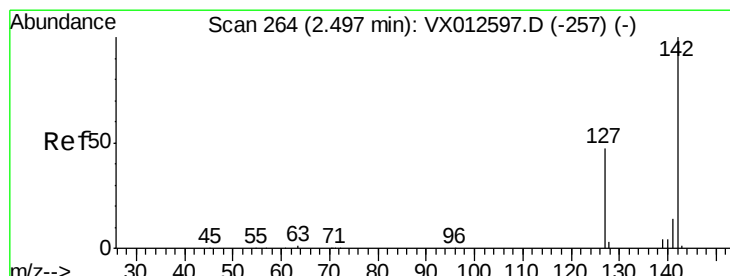
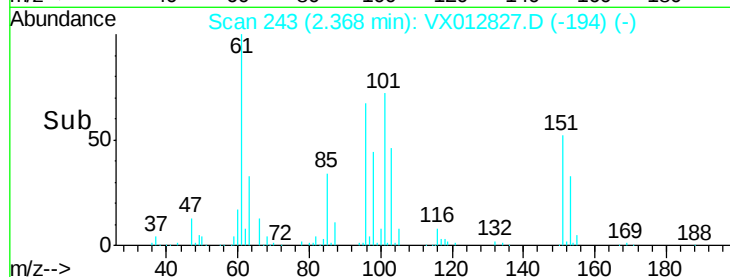
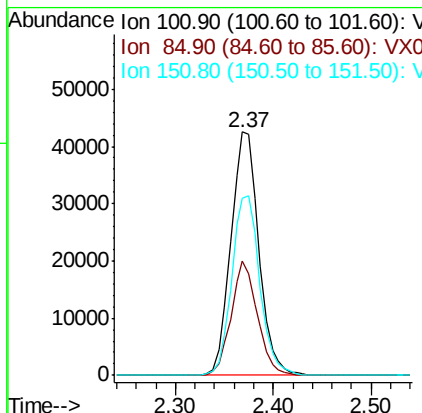
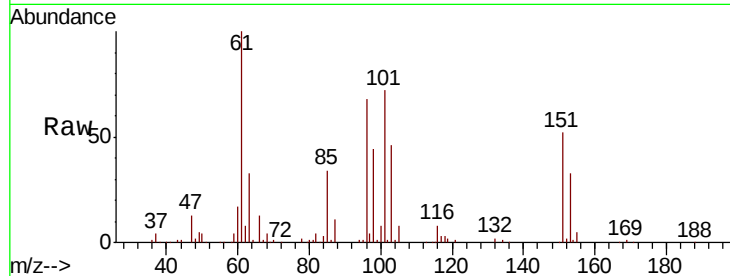
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 84029 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.1  | 37.3  | 55.9  |
| 151       | 74.3  | 61.0  | 91.4  |

Manual Integrations  
APPROVED

MMDadoda  
10/7/2019 9:26:42 AM



#10

Methyl Iodide

Concen: 46.408 ug/l

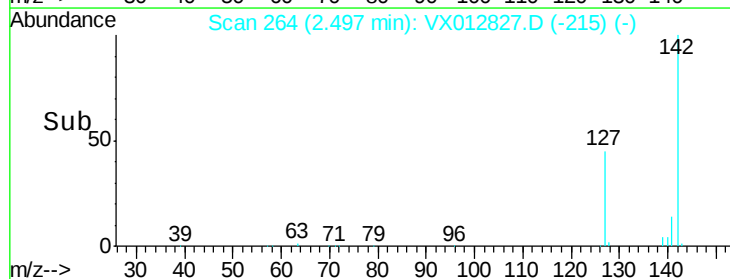
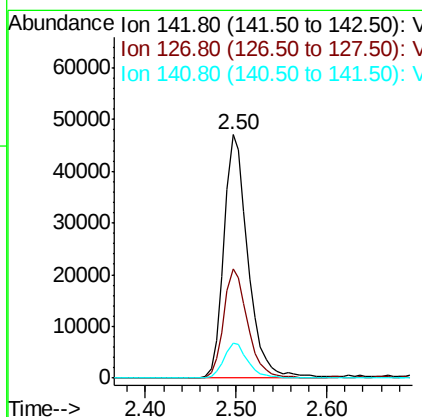
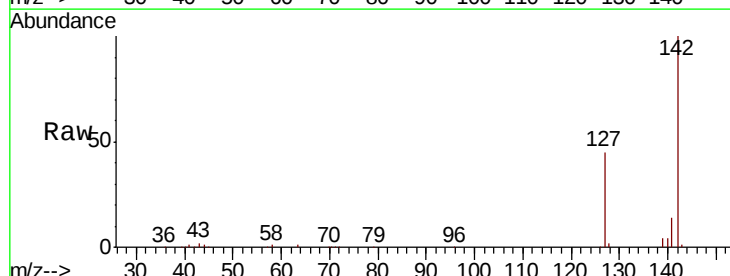
RT: 2.50 min Scan# 264

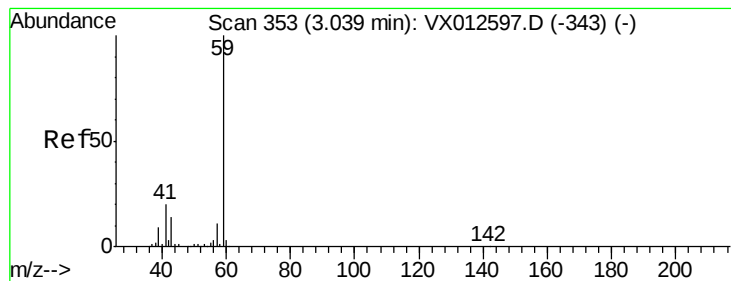
Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 87517 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 44.6  | 40.8  | 61.2  |
| 141       | 14.3  | 12.1  | 18.1  |





#11

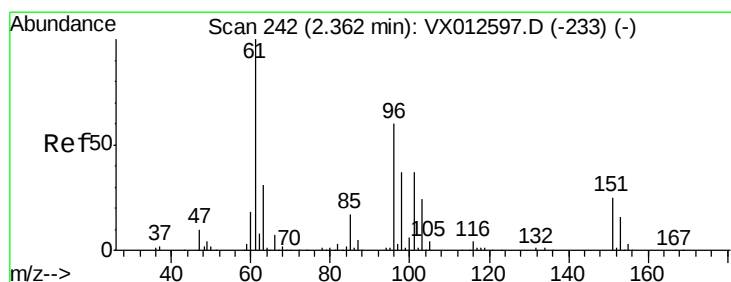
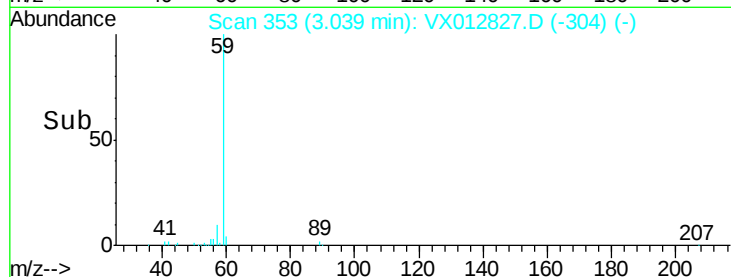
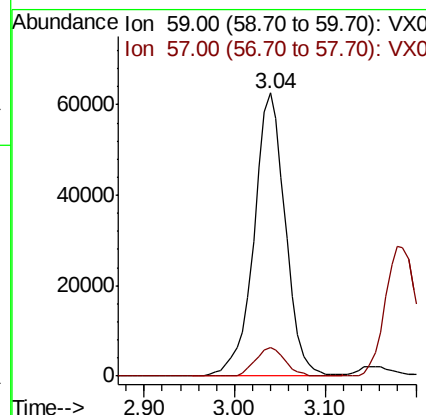
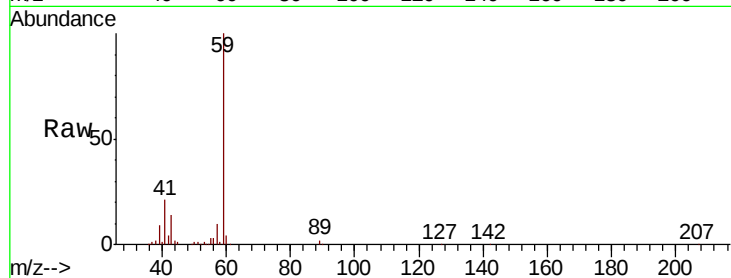
Tert butyl alcohol  
Concen: 250.678 ug/l  
RT: 3.04 min Scan# 353  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.5   | 8.3   | 12.5  |

Manual Integrations  
APPROVED

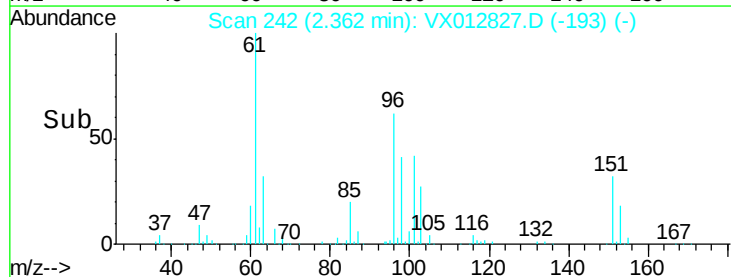
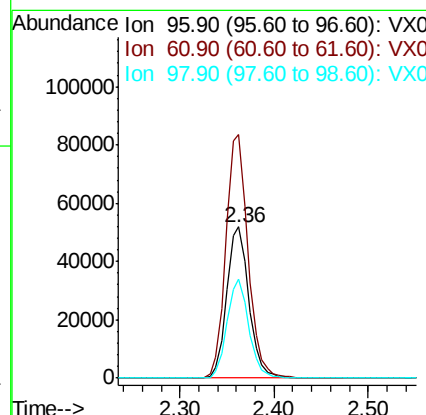
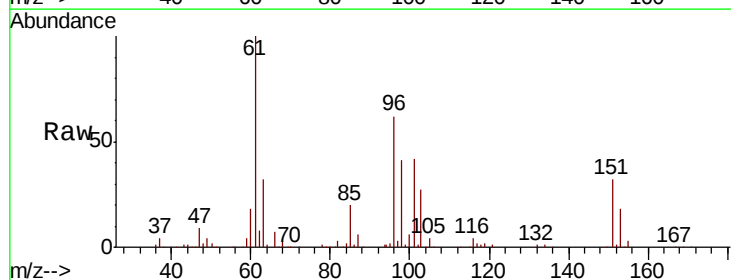
MMDadoda  
10/7/2019 9:26:42 AM

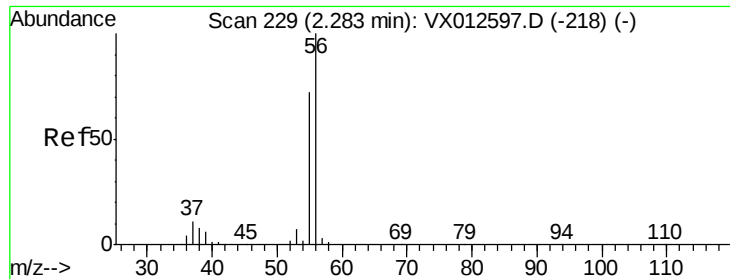


#12

1,1-Dichloroethene  
Concen: 47.873 ug/l  
RT: 2.36 min Scan# 242  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 160.9 | 133.8 | 200.6 |
| 98      | 65.2  | 49.9  | 74.9  |





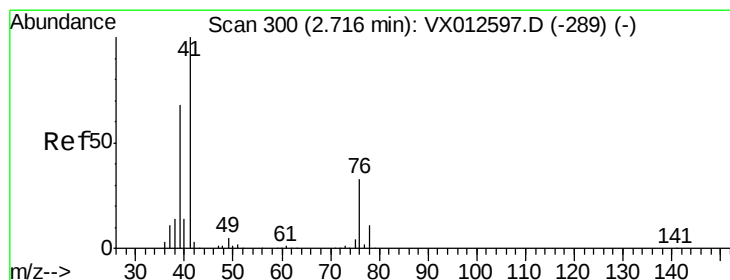
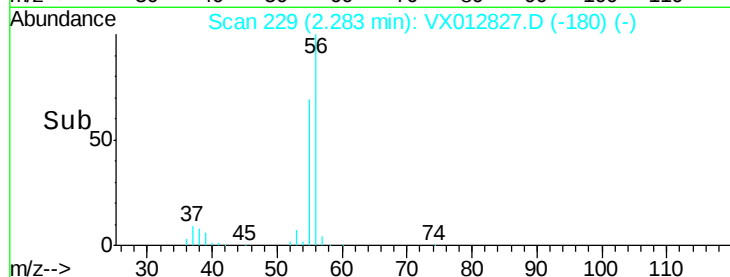
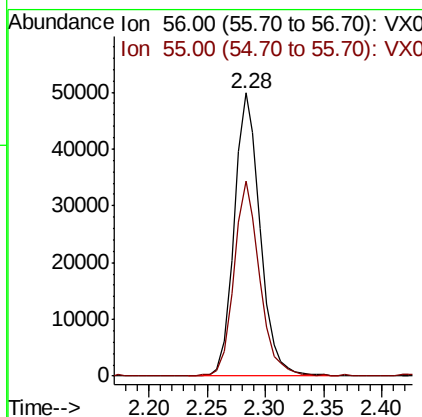
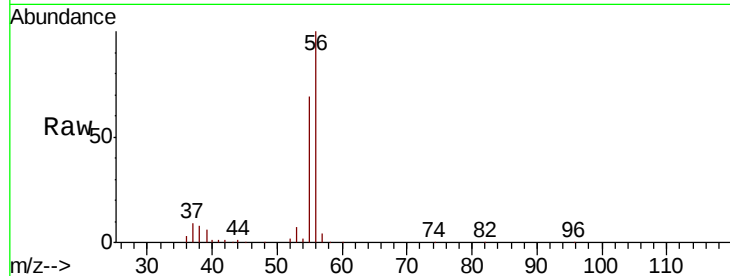
#13  
Acrolein  
Concen: 232.462 ug/l  
RT: 2.28 min Scan# 229  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 68.5  | 55.8  | 83.8  |

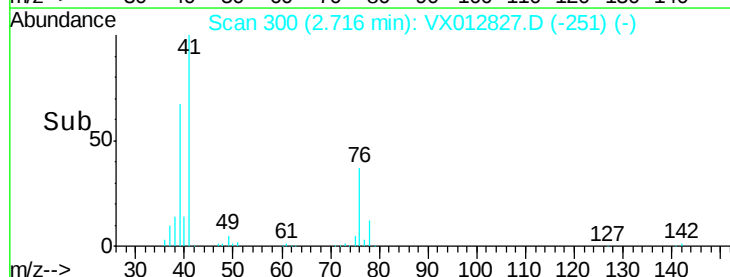
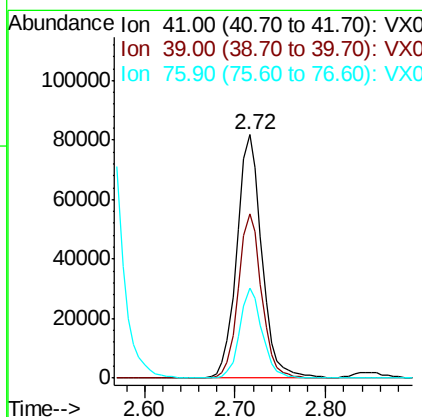
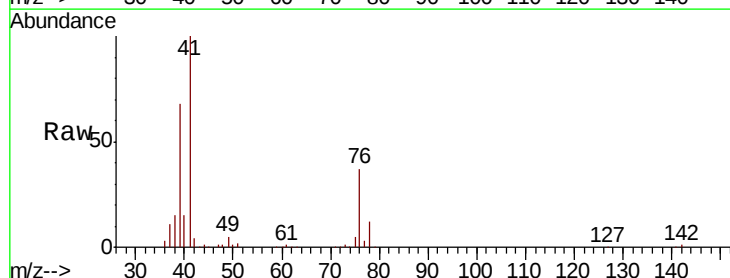
Manual Integrations  
APPROVED

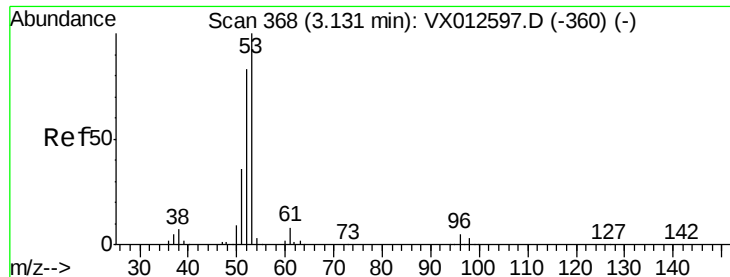
MMDadoda  
10/7/2019 9:26:42 AM



#14  
Allyl chloride  
Concen: 44.648 ug/l  
RT: 2.72 min Scan# 300  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 63.1  | 51.3  | 76.9  |
| 76      | 33.0  | 22.6  | 33.8  |





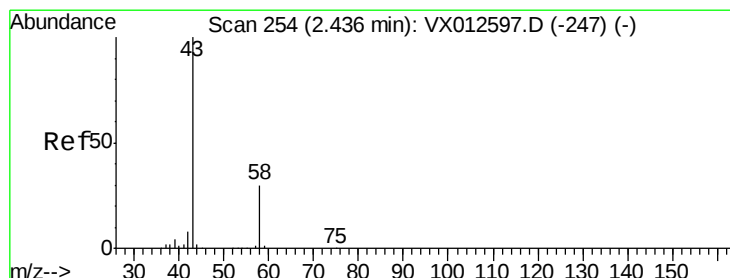
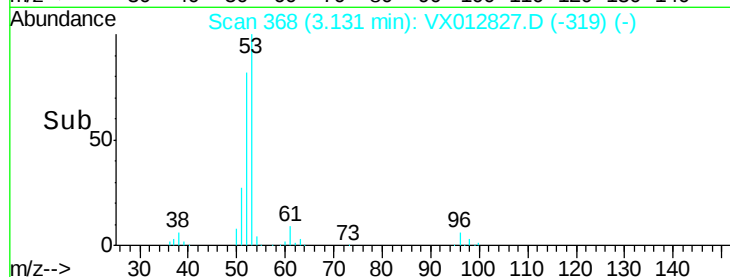
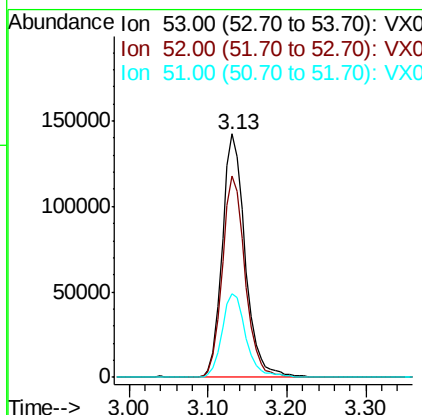
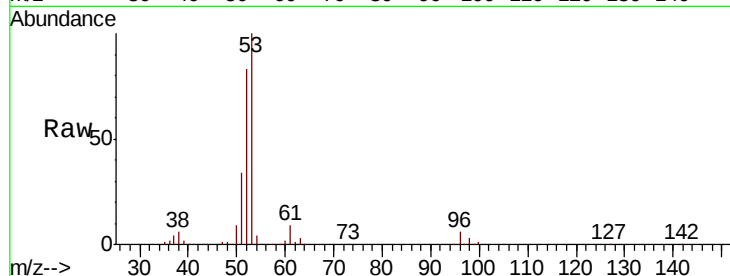
#15  
 Acrylonitrile  
 Concen: 237.120 ug/l  
 RT: 3.13 min Scan# 368  
 Delta R.T. 0.00 min  
 Lab File: VX012827.D  
 Acq: 04 Oct 2019 21:14

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 82.7  | 67.0  | 100.4 |
| 51      | 35.8  | 29.6  | 44.4  |

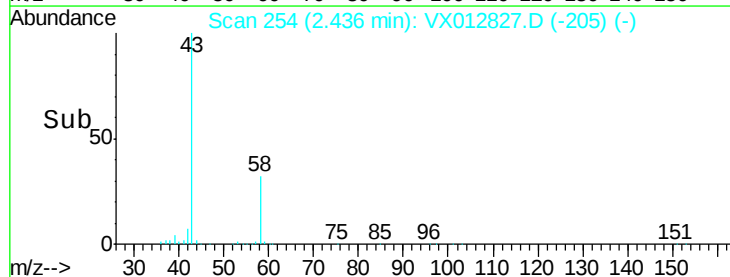
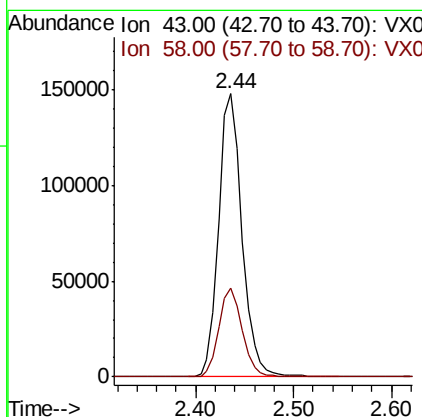
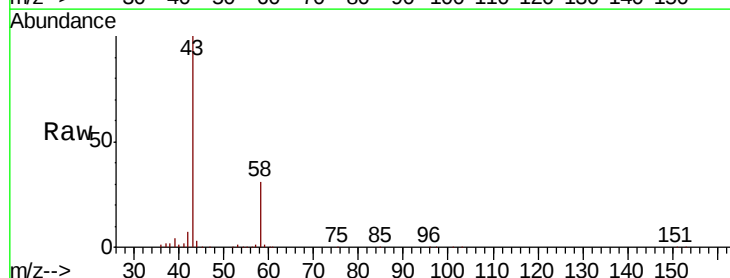
Manual Integrations  
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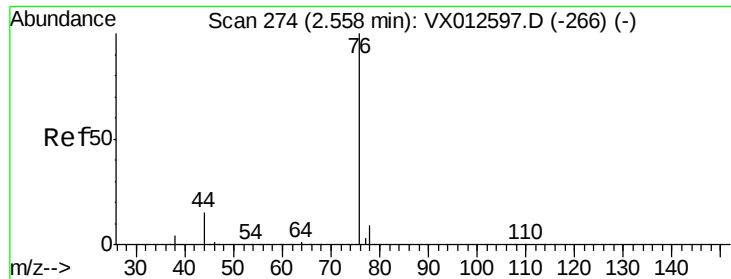
MMDadoda  
 10/7/2019 9:26:42 AM



#16  
 Acetone  
 Concen: 193.036 ug/l  
 RT: 2.44 min Scan# 254  
 Delta R.T. 0.00 min  
 Lab File: VX012827.D  
 Acq: 04 Oct 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 31.5  | 23.3  | 34.9  |





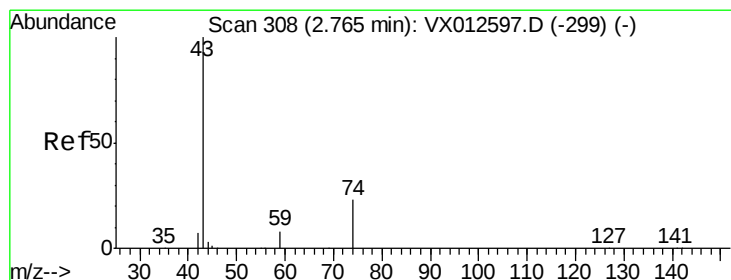
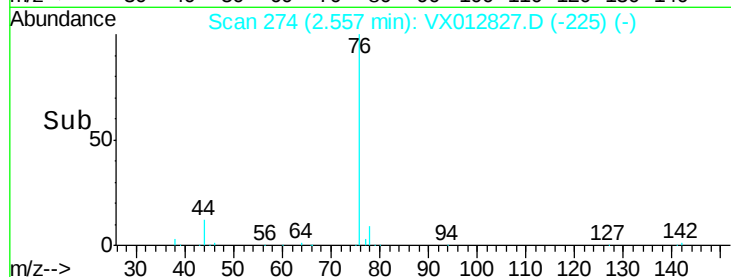
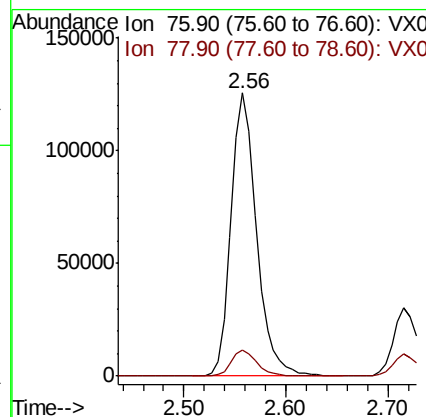
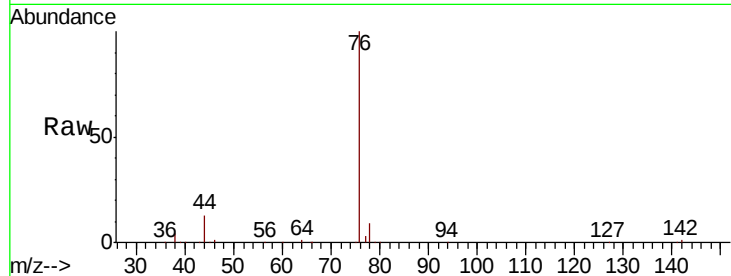
#17  
Carbon Disulfide  
Concen: 43.876 ug/l  
RT: 2.56 min Scan# 274  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

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

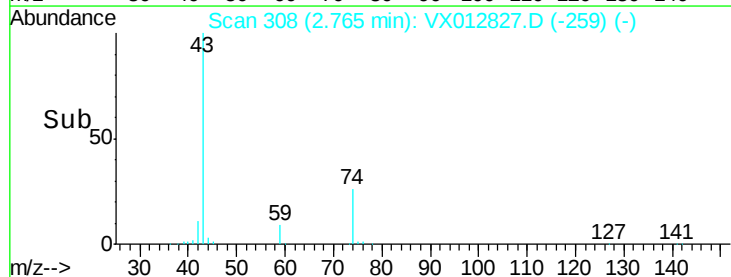
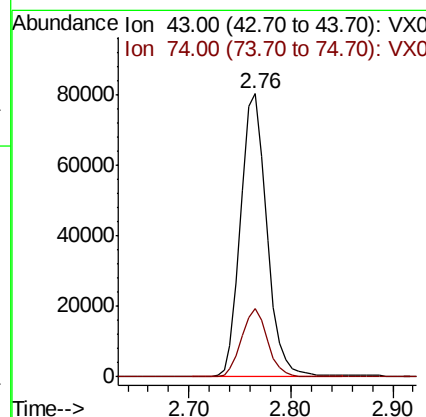
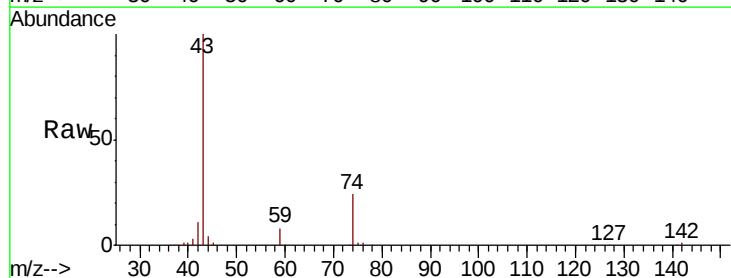
Manual Integrations  
APPROVED

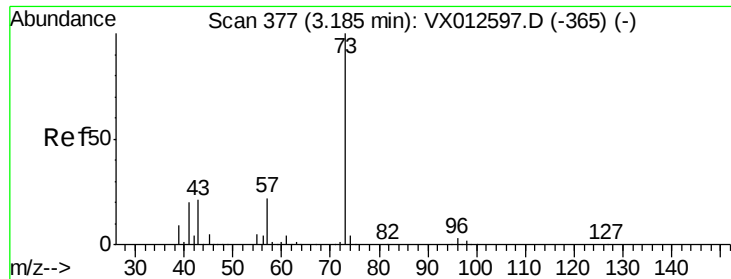
MMDadoda  
10/7/2019 9:26:42 AM



#18  
Methyl Acetate  
Concen: 47.914 ug/l  
RT: 2.76 min Scan# 308  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.2  | 17.7  | 26.5  |





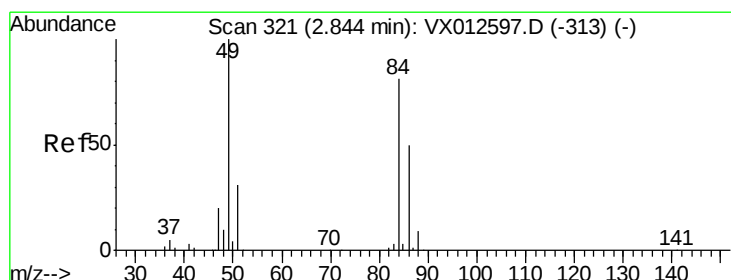
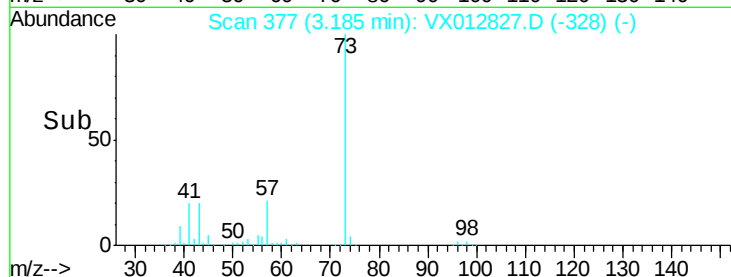
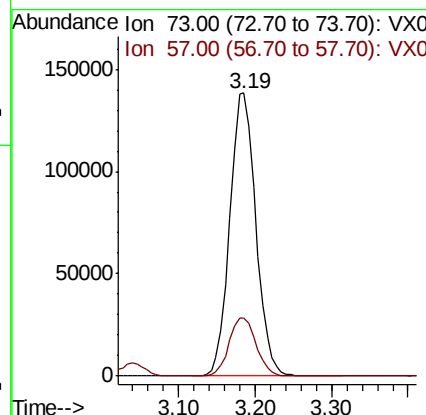
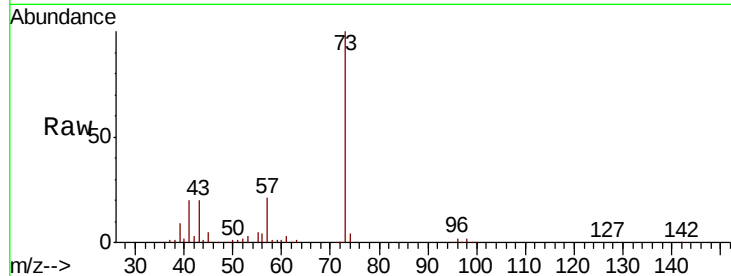
#19  
Methyl tert-butyl Ether  
Concen: 48.576 ug/l  
RT: 3.19 min Scan# 377  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 20.5  | 16.8  | 25.2  |

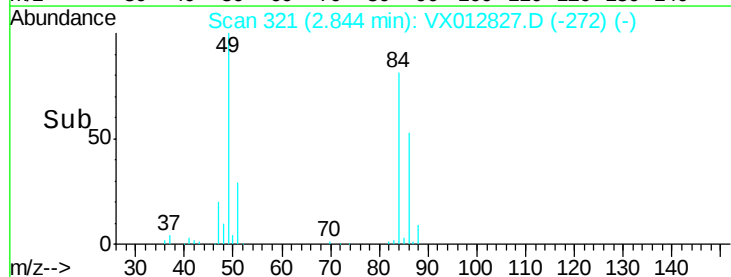
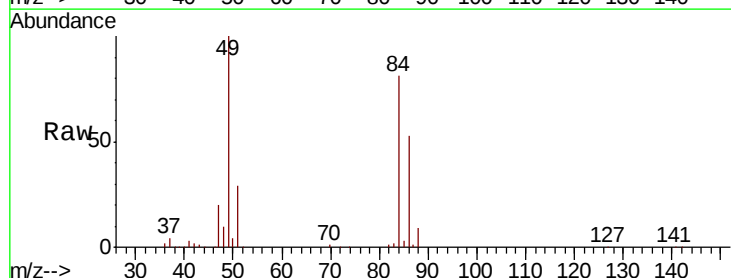
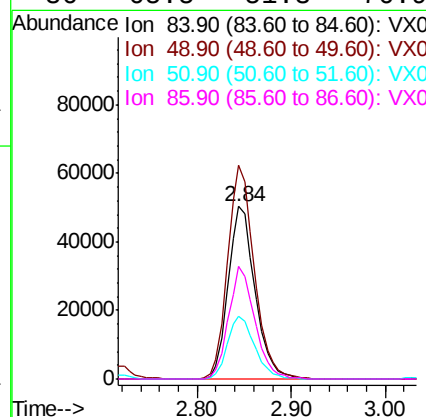
Manual Integrations  
APPROVED

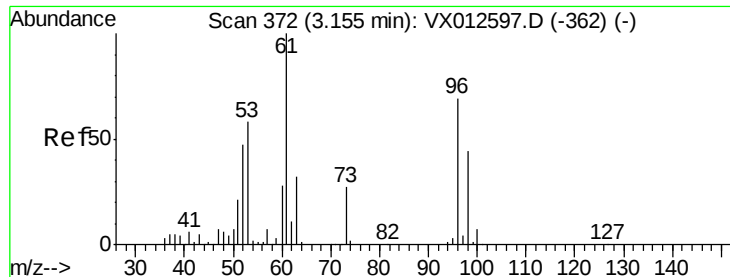
MMDadoda  
10/7/2019 9:26:42 AM



#20  
Methylene Chloride  
Concen: 46.580 ug/l  
RT: 2.84 min Scan# 321  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 123.9 | 106.8 | 160.2 |
| 51      | 36.2  | 32.3  | 48.5  |
| 86      | 65.5  | 51.3  | 76.9  |





#21

trans-1,2-Dichloroethene

Concen: 46.740 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

Instrument :

MSVOA\_X

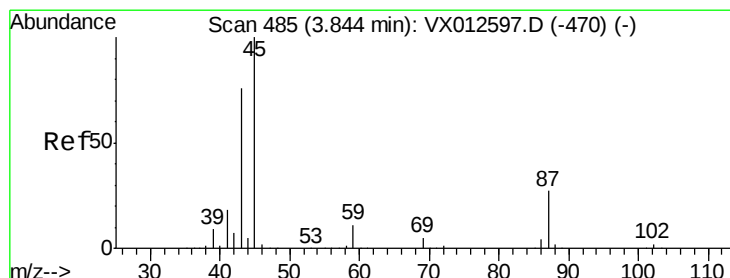
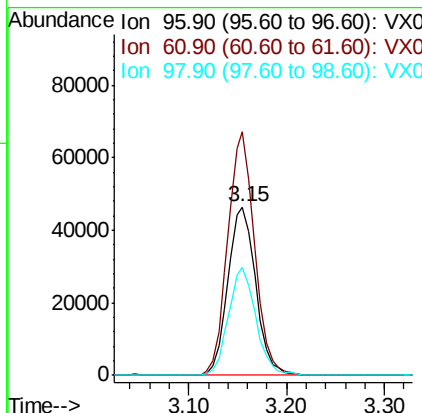
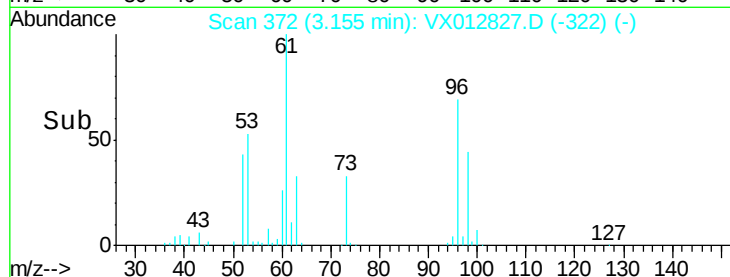
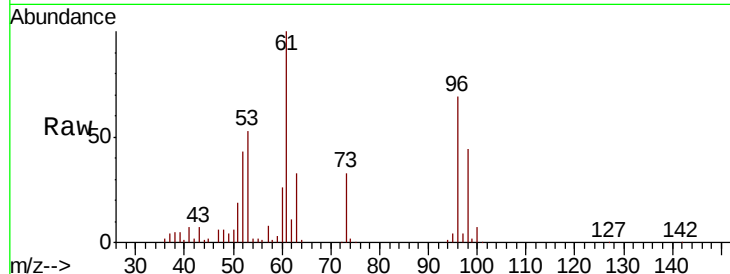
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 91544 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 144.9 | 112.0 | 168.0 |
| 98       | 64.0  | 47.8  | 71.8  |

Manual Integrations  
APPROVED

MMDadoda  
10/7/2019 9:26:42 AM



#22

Diisopropyl ether

Concen: 46.966 ug/l

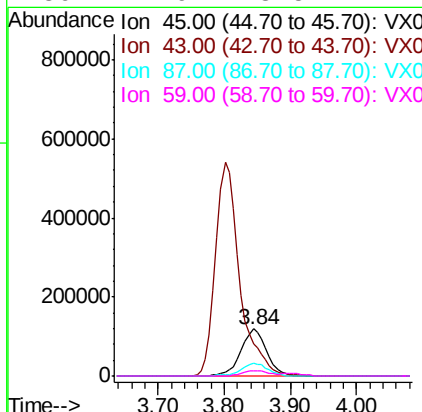
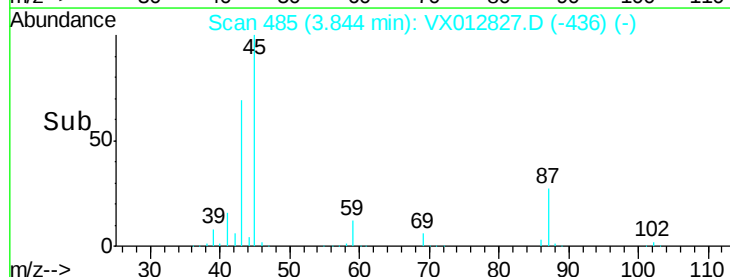
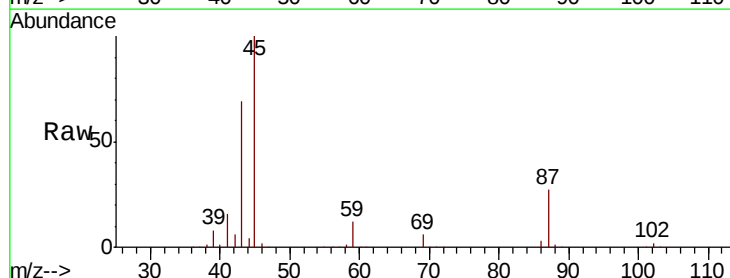
RT: 3.84 min Scan# 485

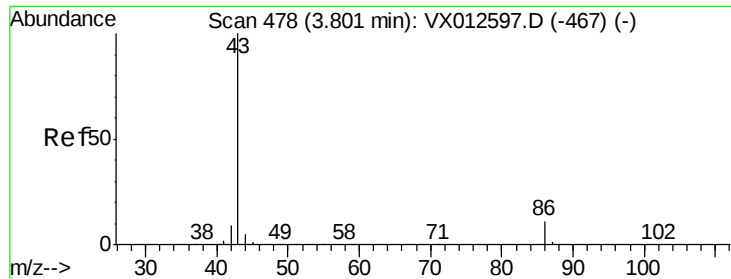
Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 318306 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 69.1  | 57.8  | 86.8   |
| 87       | 27.4  | 21.3  | 31.9   |
| 59       | 11.9  | 8.5   | 12.7   |





#23

Vinyl Acetate

Concen: 232.553 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1382171

Ion Ratio Lower Upper

43 100

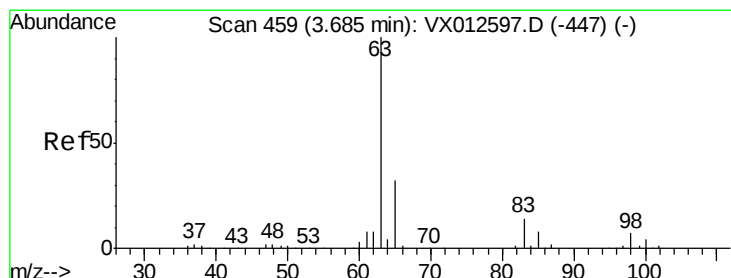
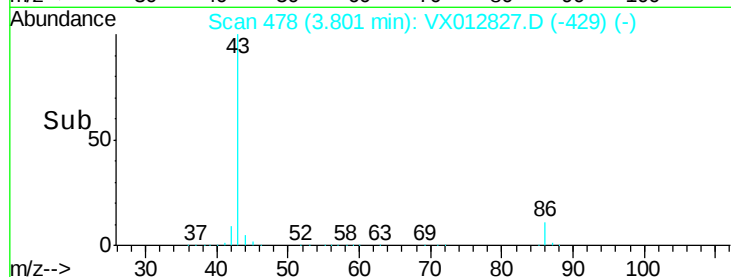
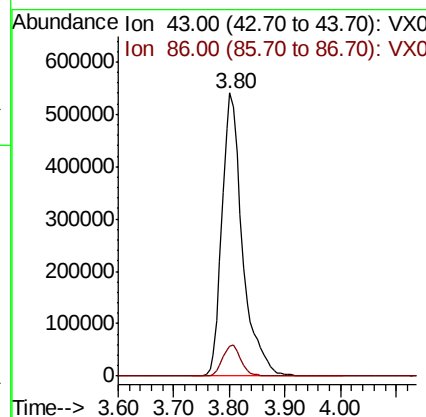
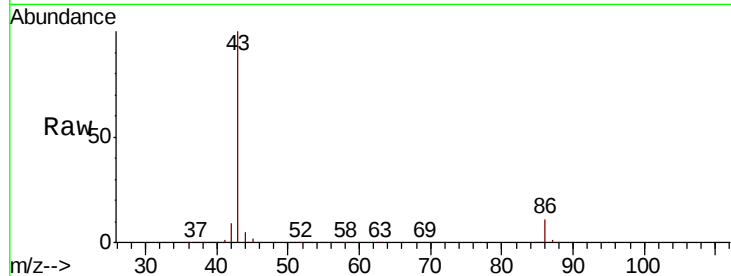
86 10.8 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 47.616 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

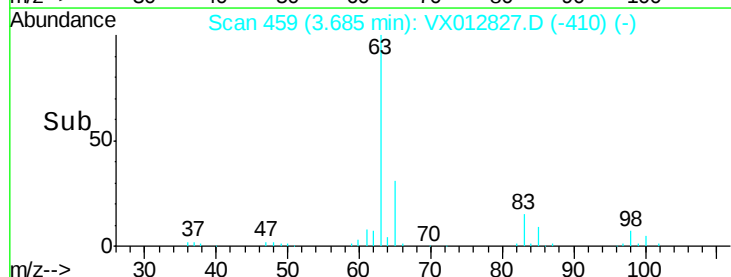
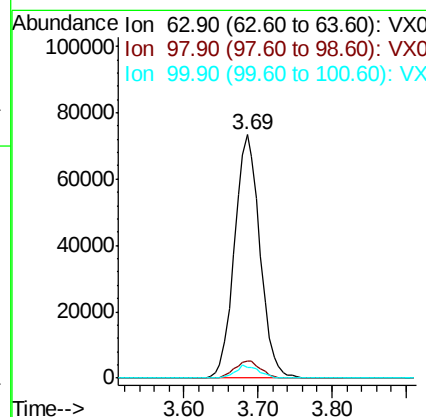
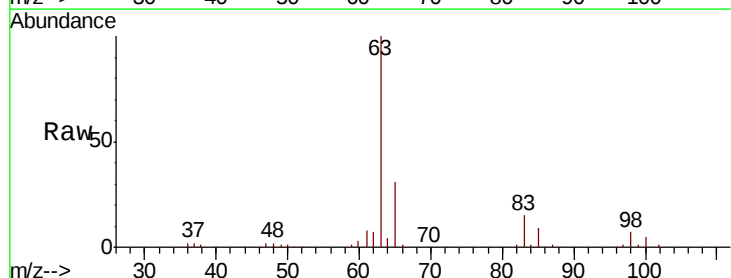
Tgt Ion: 63 Resp: 175420

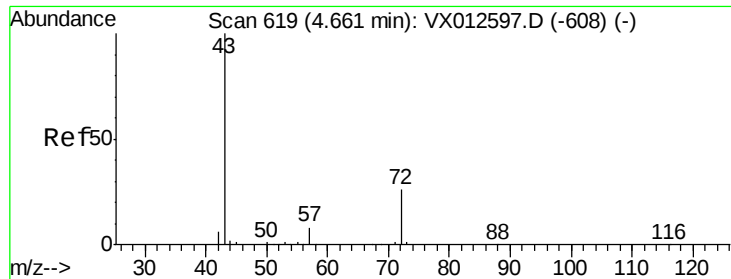
Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.7

100 4.5 2.3 6.9





#25

2-Butanone

Concen: 219.236 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 398679

Ion Ratio Lower Upper

43 100

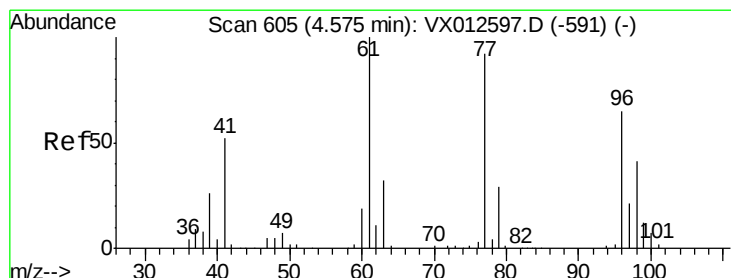
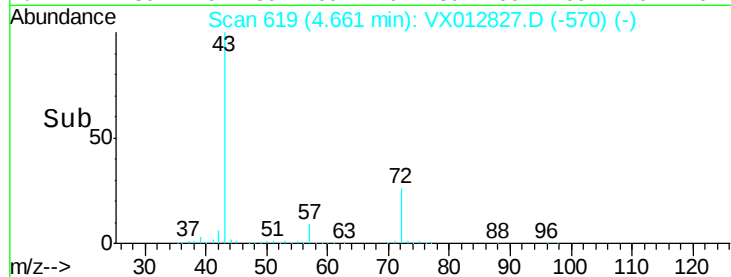
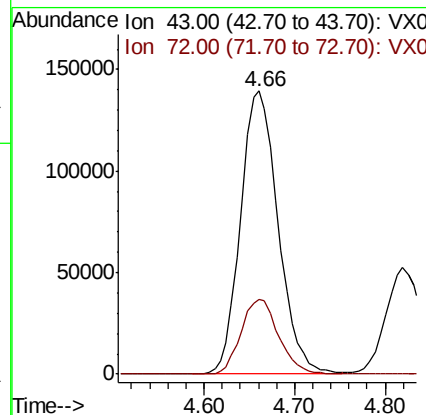
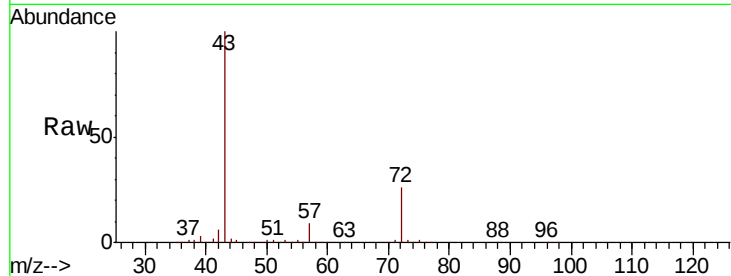
72 26.3 19.2 28.8

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#26

2,2-Dichloropropane

Concen: 38.579 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012827.D

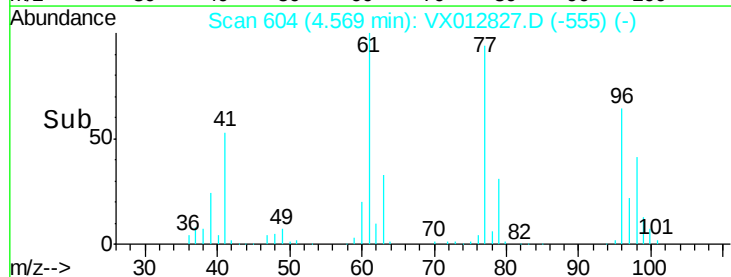
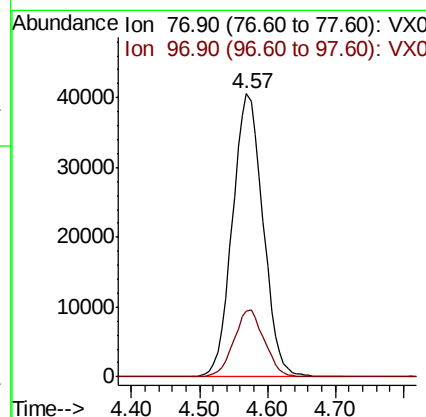
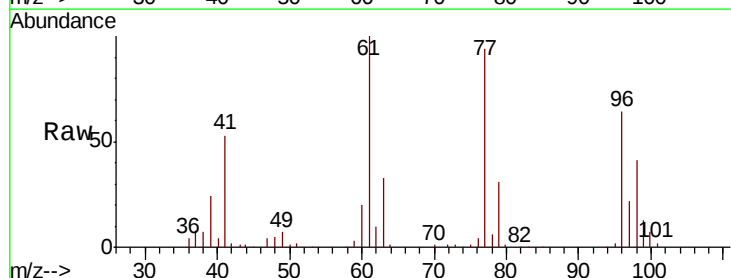
Acq: 04 Oct 2019 21:14

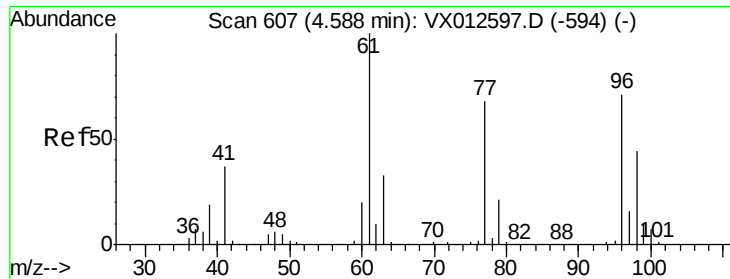
Tgt Ion: 77 Resp: 126408

Ion Ratio Lower Upper

77 100

97 23.6 10.5 31.6





#27

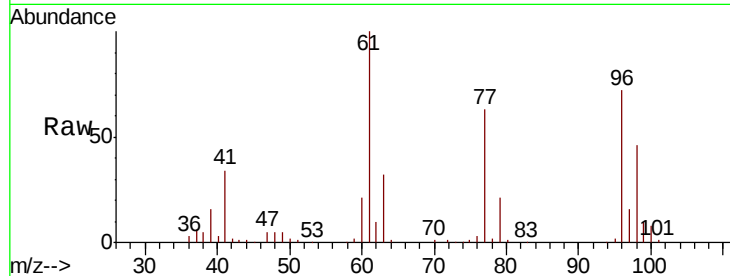
cis-1,2-Dichloroethene  
Concen: 47.985 ug/l  
RT: 4.58 min Scan# 606  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

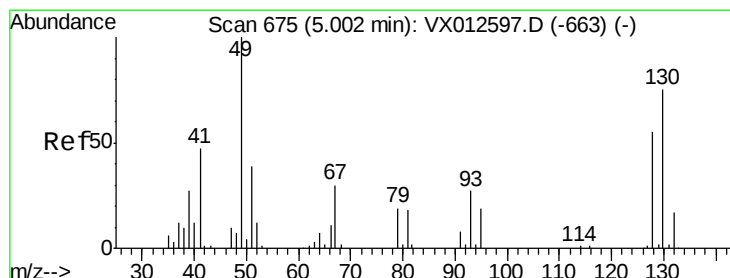
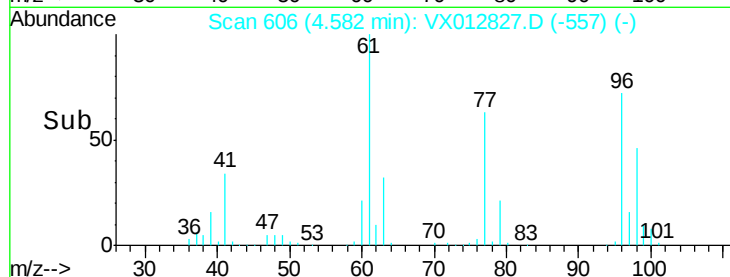
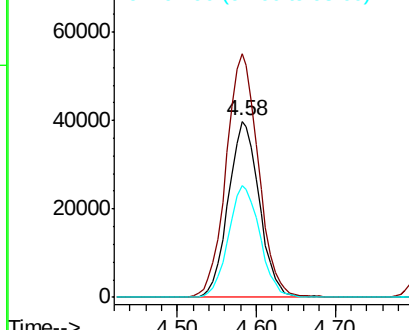
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 143.6 | 0.0   | 319.4 |
| 98      | 64.5  | 0.0   | 130.6 |

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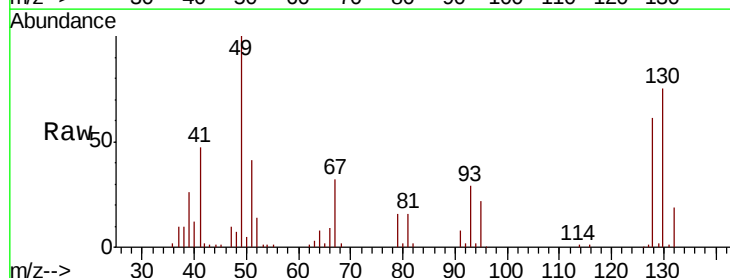
Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



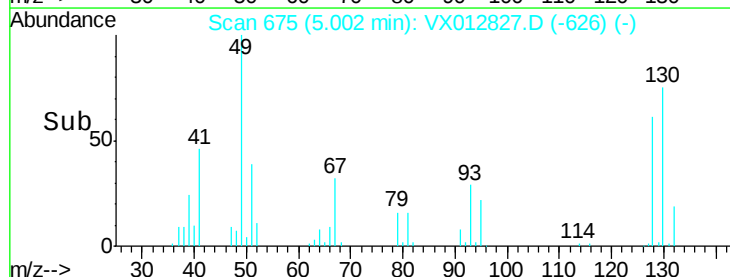
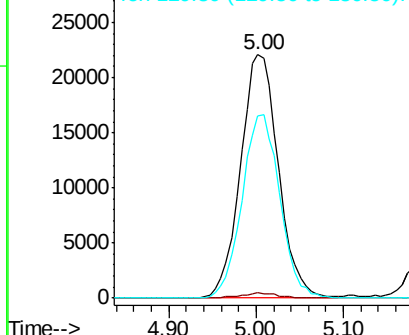
#28

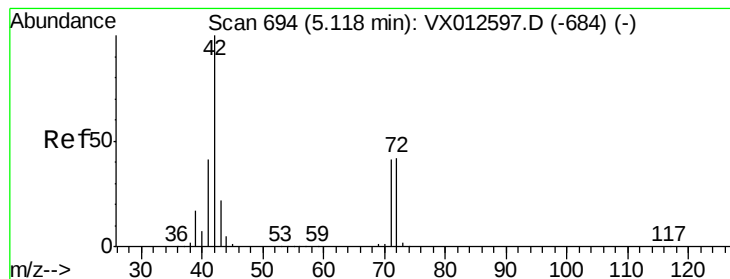
Bromochloromethane  
Concen: 49.603 ug/l  
RT: 5.00 min Scan# 675  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.0   | 0.0   | 3.8   |
| 130     | 75.3  | 58.2  | 87.4  |



Abundance Ion 48.90 (48.60 to 49.60): VX0  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 230.229 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

Instrument :

MSVOA\_X

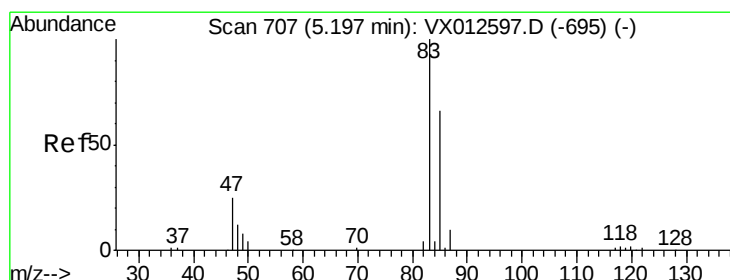
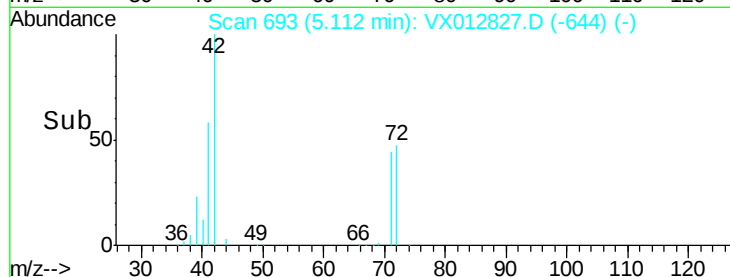
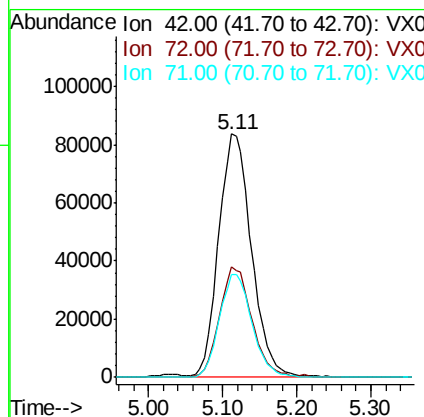
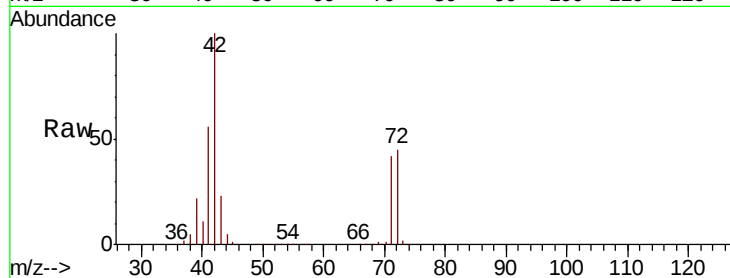
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 42    | Resp: | 255180 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 45.5  | 34.0  | 51.0   |
| 71       | 42.4  | 31.5  | 47.3   |

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#30

Chloroform

Concen: 47.181 ug/l

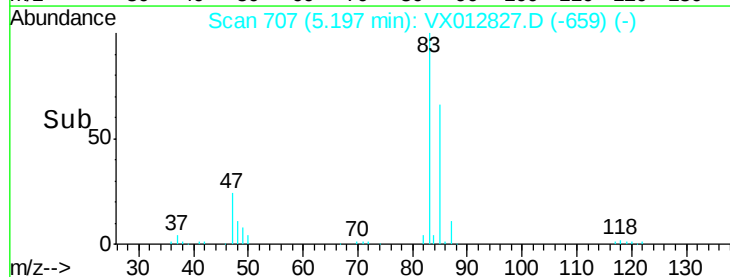
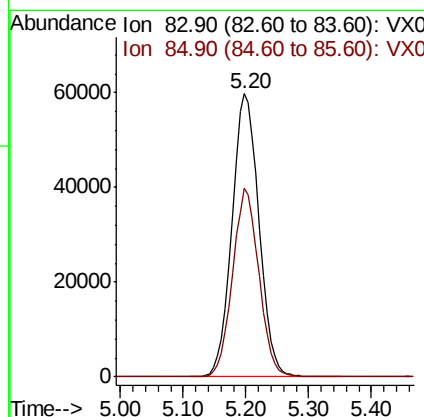
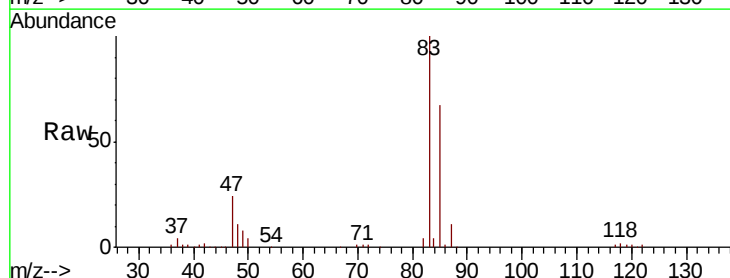
RT: 5.20 min Scan# 707

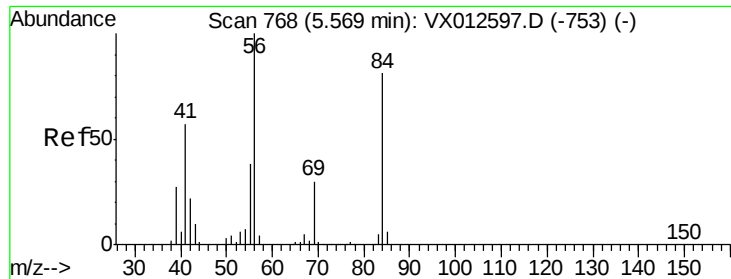
Delta R.T. -0.01 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 177830 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 66.6  | 53.0  | 79.4   |





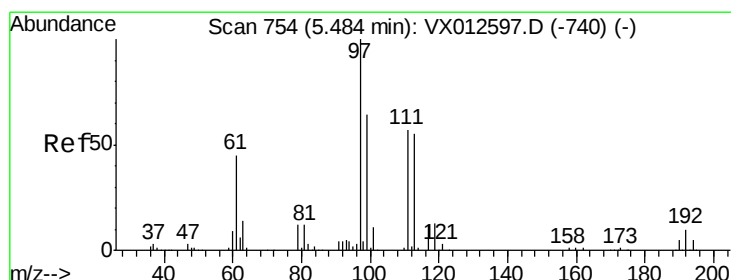
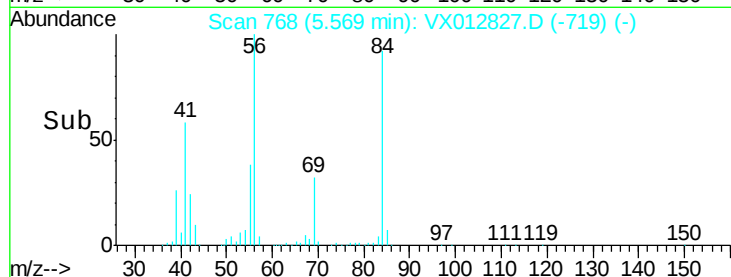
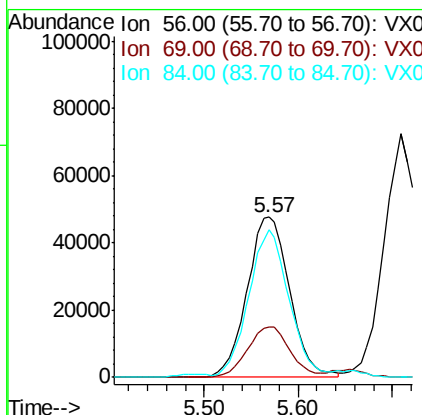
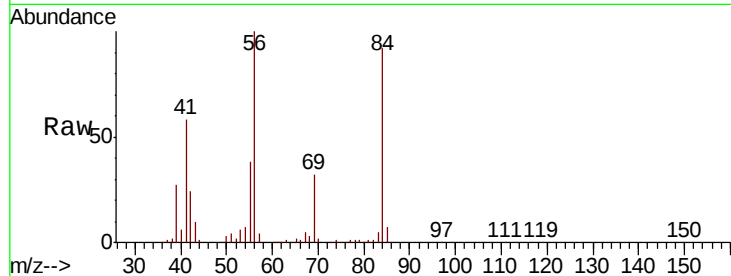
#31  
Cyclohexane  
Concen: 45.211 ug/l  
RT: 5.57 min Scan# 768  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 31.6  | 25.0  | 37.6  |
| 84      | 90.7  | 66.4  | 99.6  |

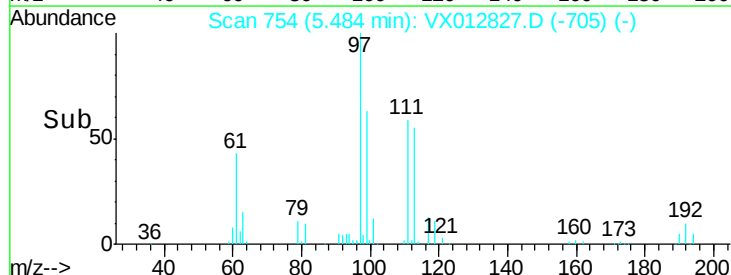
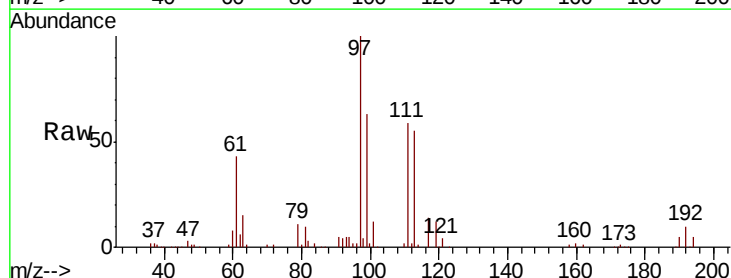
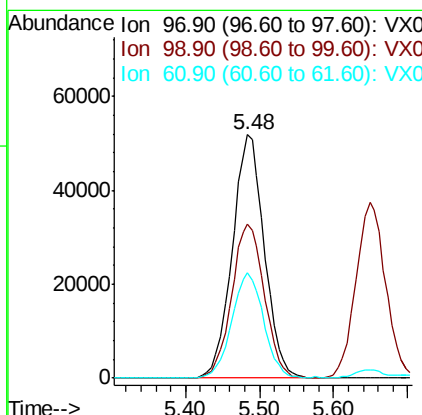
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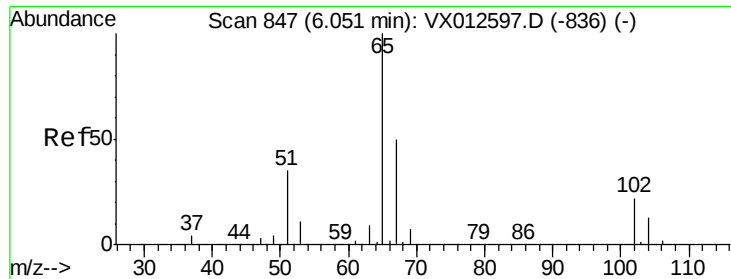
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10/7/2019 9:26:42 AM



#32  
1,1,1-Trichloroethane  
Concen: 46.517 ug/l  
RT: 5.48 min Scan# 754  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.7  | 51.3  | 76.9  |
| 61      | 43.1  | 36.1  | 54.1  |





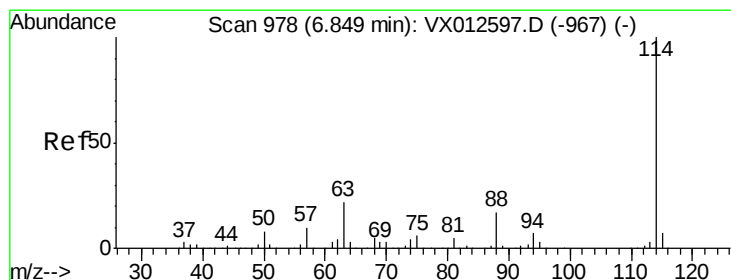
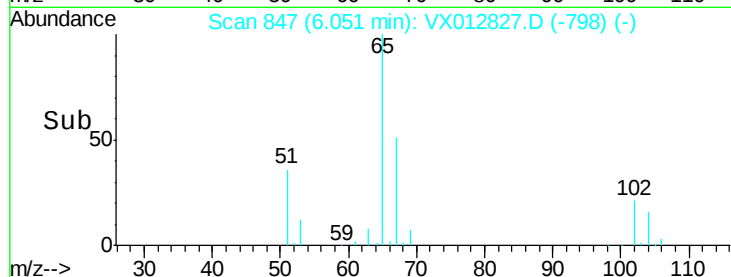
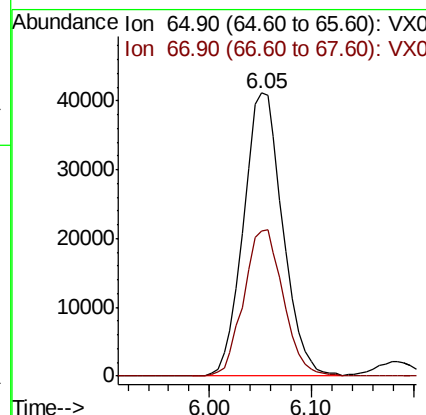
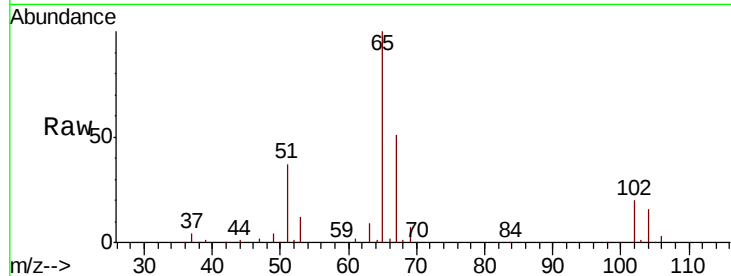
#33  
 1,2-Dichloroethane-d4  
 Concen: 46.048 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. 0.00 min  
 Lab File: VX012827.D  
 Acq: 04 Oct 2019 21:14

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 51.9  | 0.0   | 101.2 |

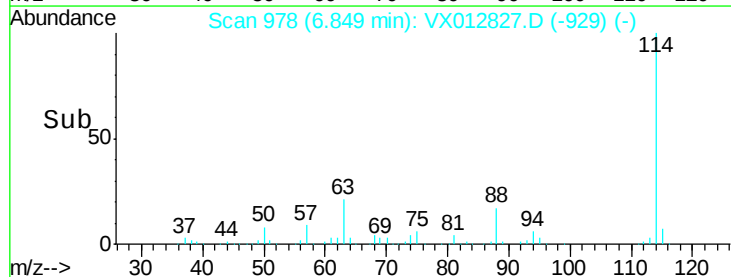
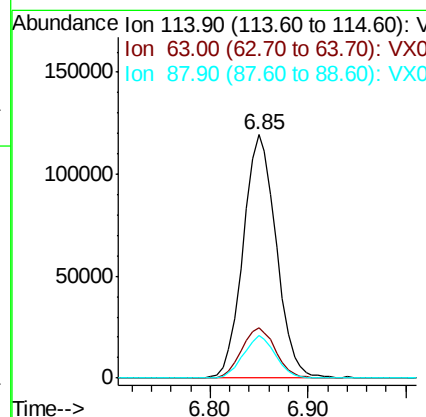
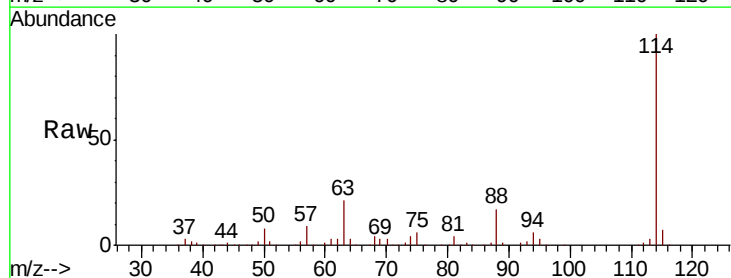
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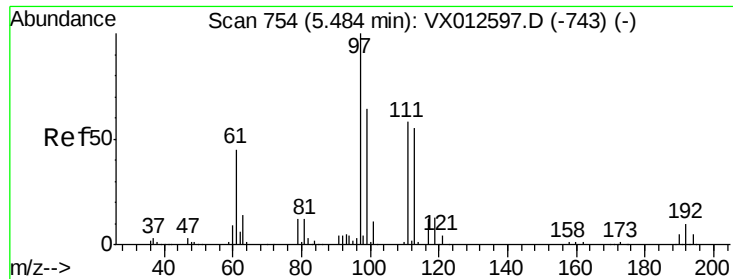
MMDadoda  
 10/7/2019 9:26:42 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. 0.00 min  
 Lab File: VX012827.D  
 Acq: 04 Oct 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.9  | 0.0   | 43.2  |
| 88      | 17.3  | 0.0   | 33.2  |





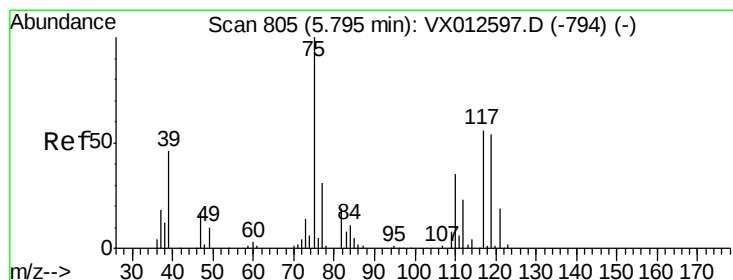
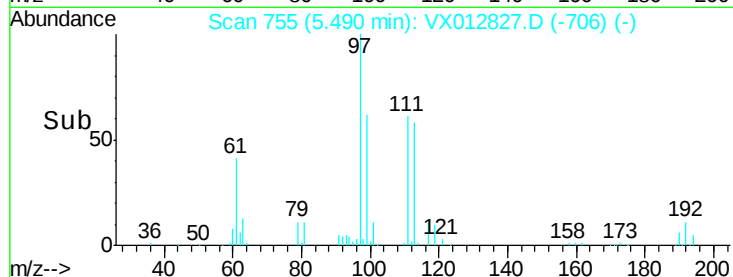
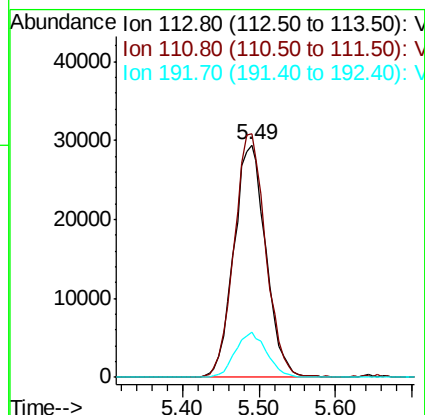
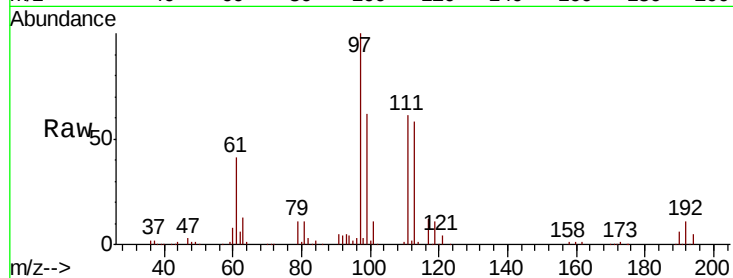
#35  
Dibromofluoromethane  
Concen: 51.223 ug/l  
RT: 5.49 min Scan# 755  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.0 | 83.4  | 125.2 |
| 192     | 19.0  | 14.4  | 21.6  |

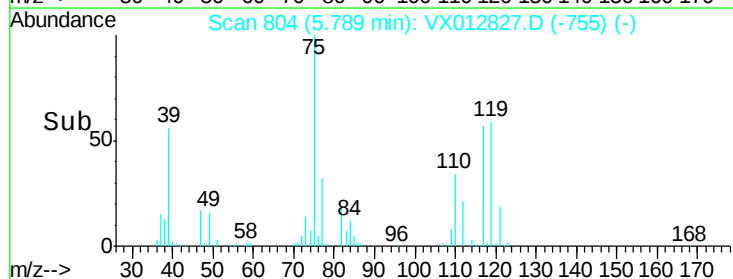
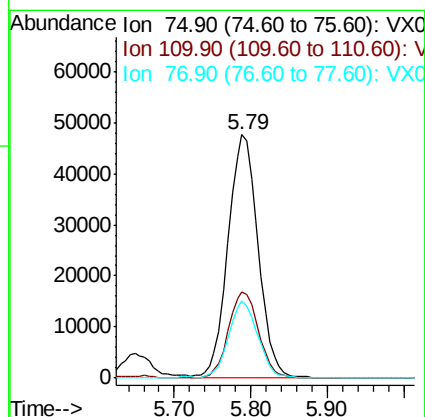
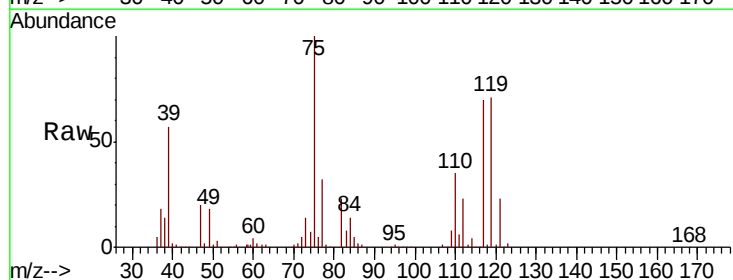
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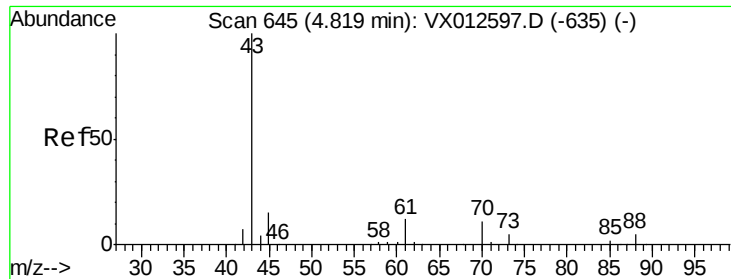
MMDadoda  
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#36  
1,1-Dichloropropene  
Concen: 47.872 ug/l  
RT: 5.79 min Scan# 804  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 35.5  | 16.7  | 50.0  |
| 77      | 31.1  | 24.2  | 36.2  |





#37

Ethyl Acetate

Concen: 47.558 ug/l

RT: 4.82 min Scan# 645

Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

Instrument :

MSVOA\_X

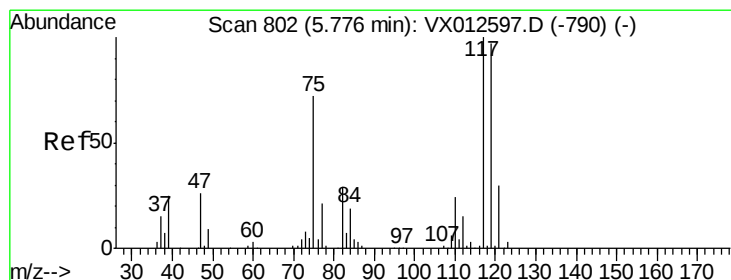
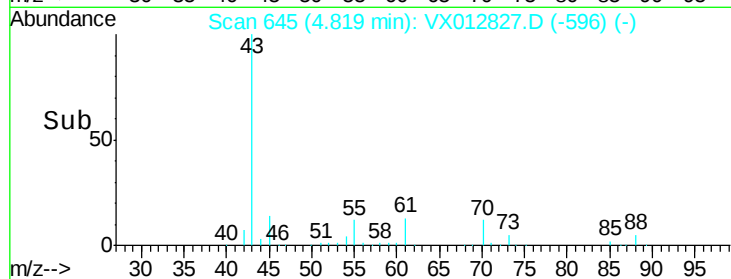
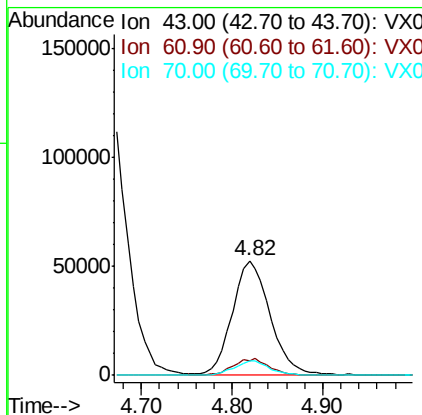
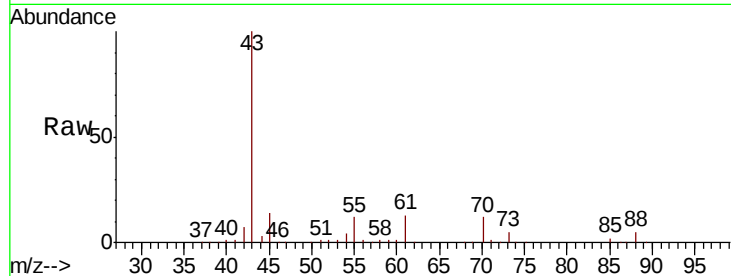
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 149926 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 14.6  | 10.2  | 15.4   |
| 70       | 12.1  | 8.7   | 13.1   |

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#38

Carbon Tetrachloride

Concen: 47.577 ug/l

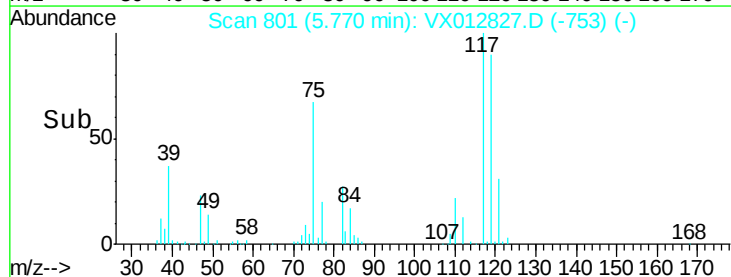
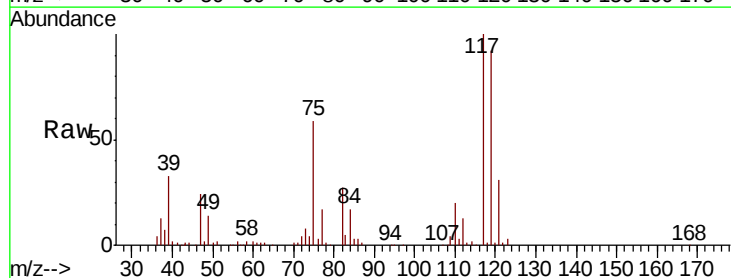
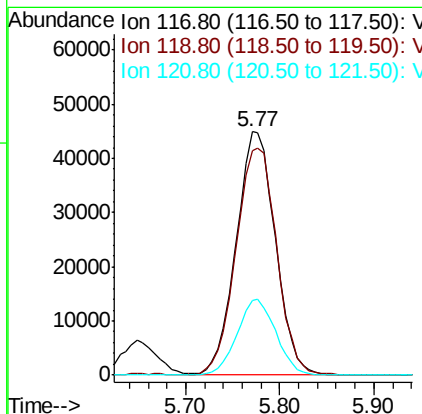
RT: 5.77 min Scan# 801

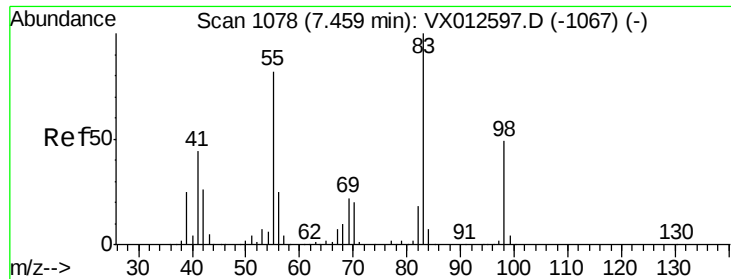
Delta R.T. -0.01 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 130321 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 92.0  | 75.7  | 113.5  |
| 121      | 30.6  | 24.2  | 36.4   |





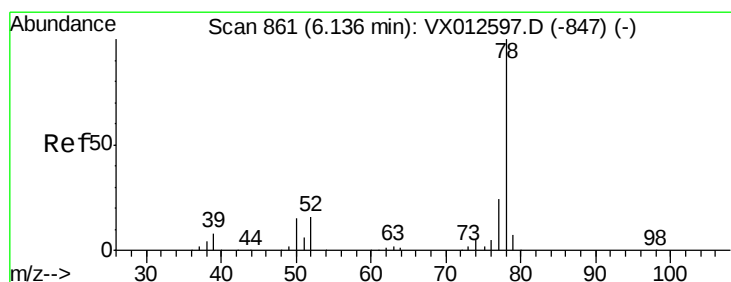
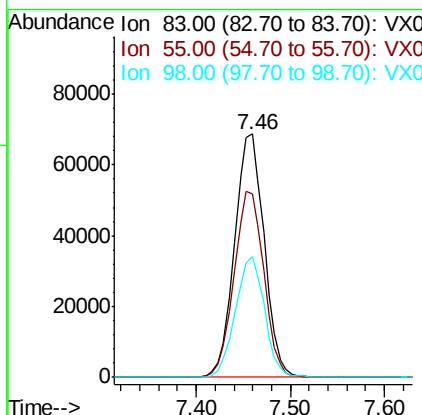
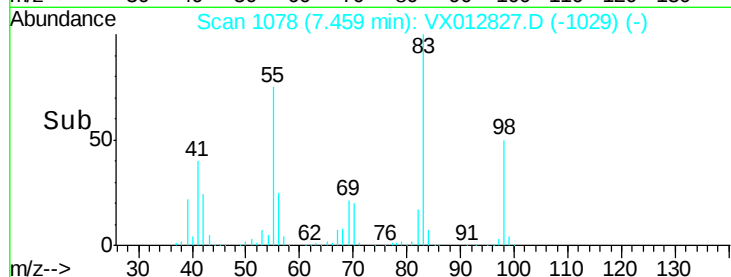
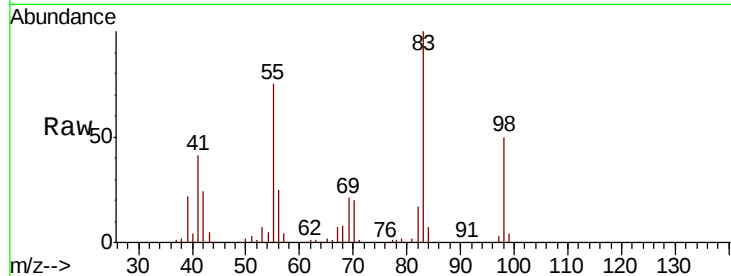
#39  
Methvlcvclohexane  
Concen: 46.385 ug/l  
RT: 7.46 min Scan# 1078  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 75.4  | 64.4  | 96.6  |
| 98      | 49.5  | 40.1  | 60.1  |

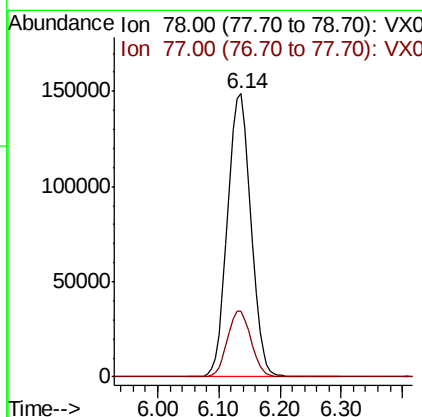
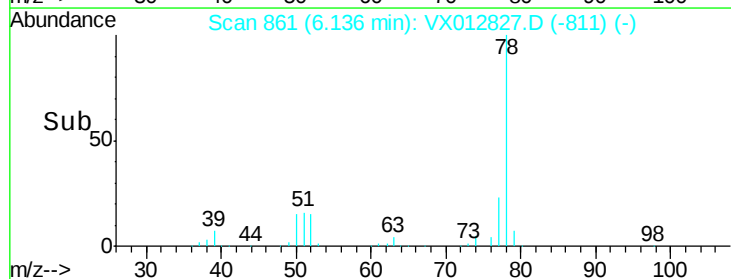
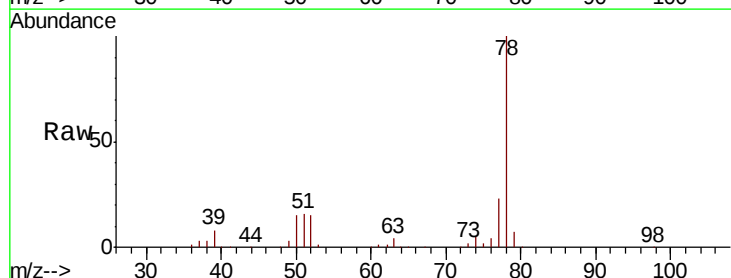
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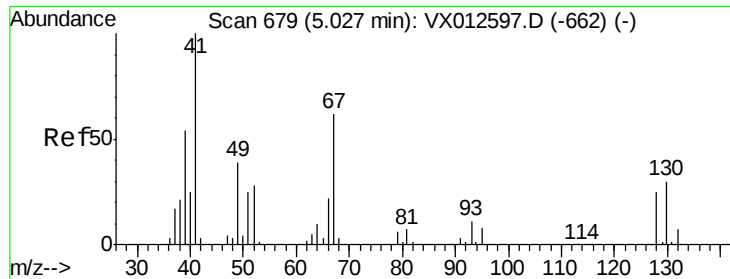
MMDadoda  
10/7/2019 9:26:42 AM



#40  
Benzene  
Concen: 49.439 ug/l  
RT: 6.14 min Scan# 861  
Delta R.T. 0.01 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.3  | 19.2  | 28.8  |





#41

Methacrylonitrile

Concen: 47.863 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 84659

Ion Ratio Lower Upper

41 100

39 53.4 46.0 69.0

67 72.8 52.2 78.2

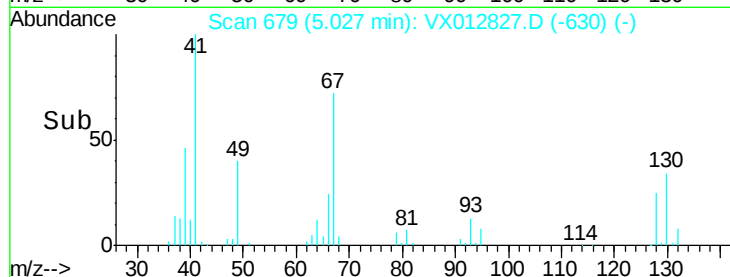
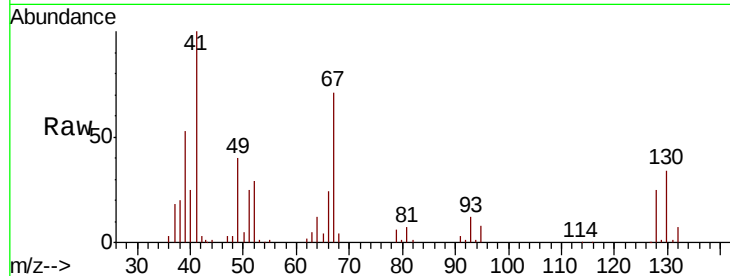
52 29.9 22.7 34.1

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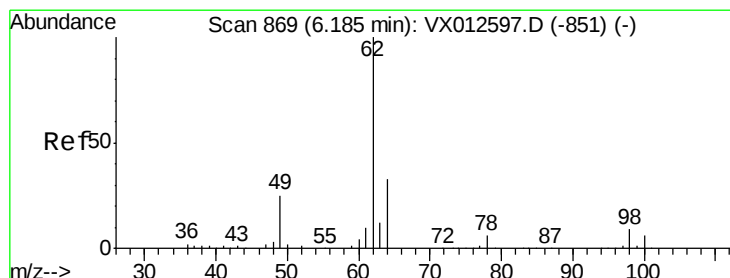
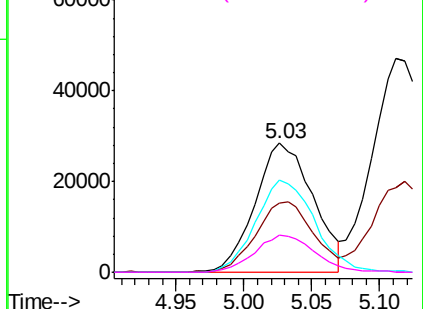


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 47.294 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012827.D

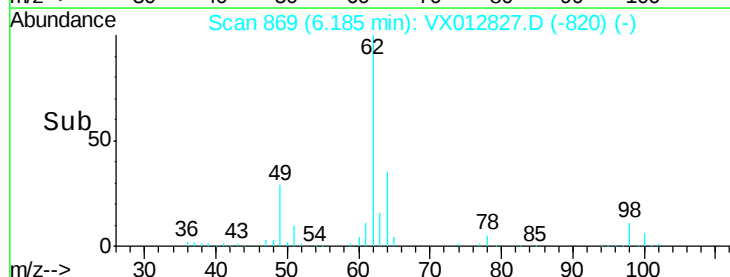
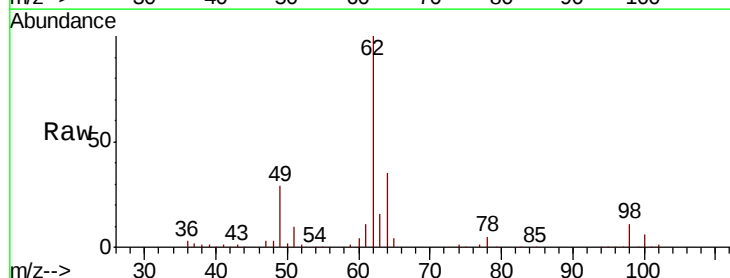
Acq: 04 Oct 2019 21:14

Tgt Ion: 62 Resp: 142488

Ion Ratio Lower Upper

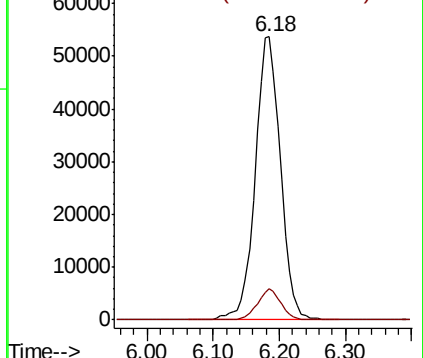
62 100

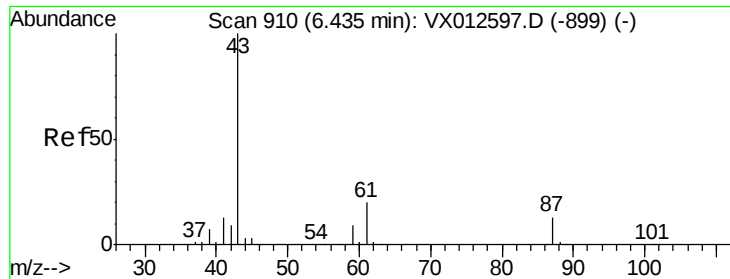
98 10.0 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





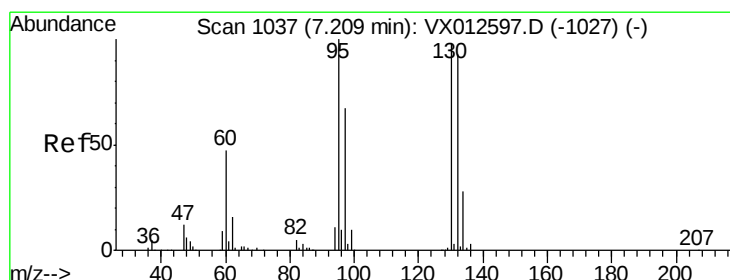
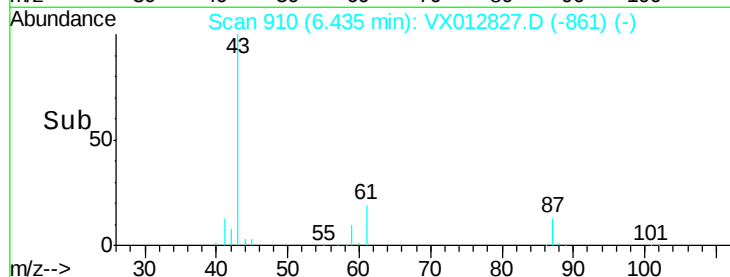
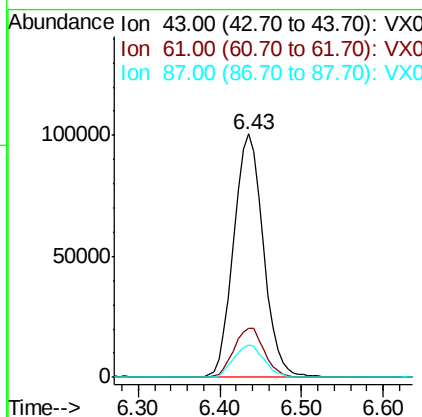
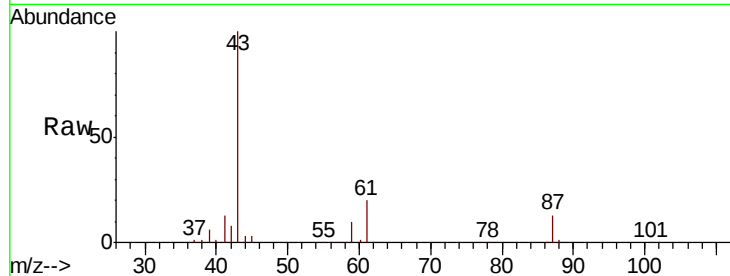
#43  
Isopropyl Acetate  
Concen: 47.795 ug/l  
RT: 6.43 min Scan# 910  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 20.7  | 15.4  | 23.0  |
| 87      | 13.7  | 9.8   | 14.8  |

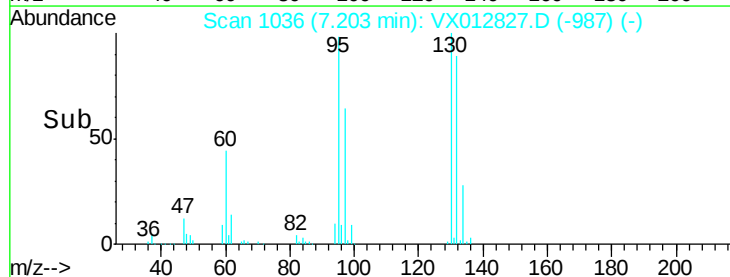
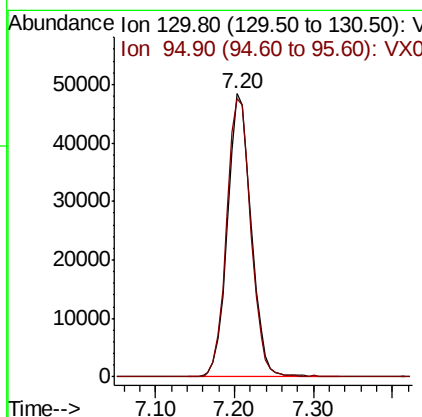
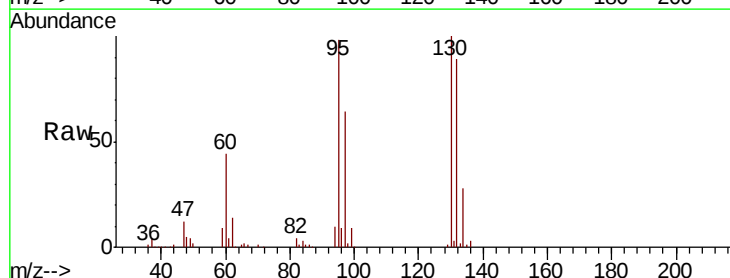
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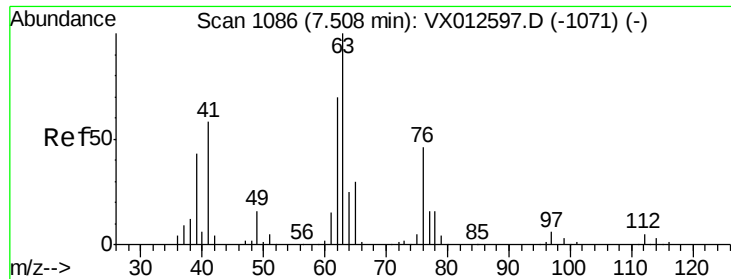
MMDadoda  
10/7/2019 9:26:42 AM



#44  
Trichloroethene  
Concen: 50.037 ug/l  
RT: 7.20 min Scan# 1036  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 98.4  | 0.0   | 193.0 |





#45

1,2-Dichloropropane

Concen: 51.092 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 103782

Ion Ratio Lower Upper

63 100

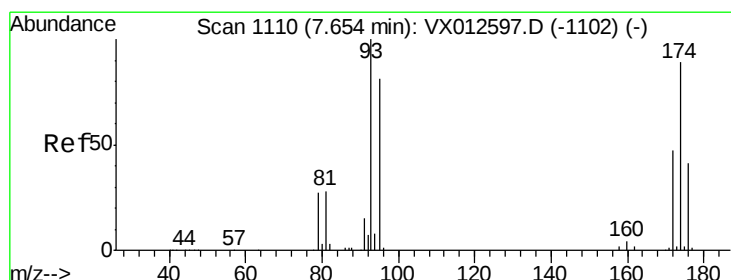
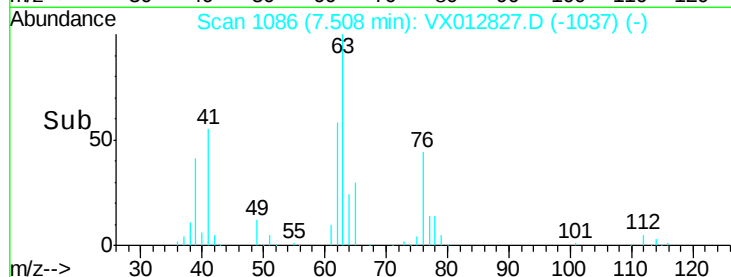
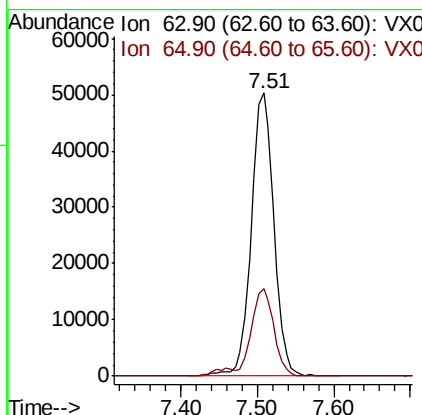
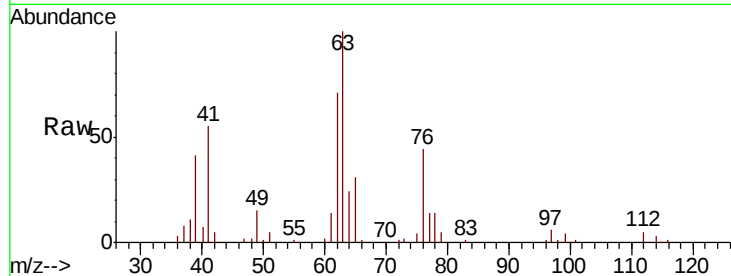
65 31.1 25.0 37.6

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#46

Dibromomethane

Concen: 48.746 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

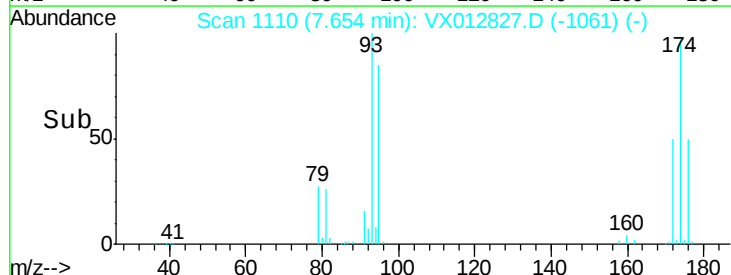
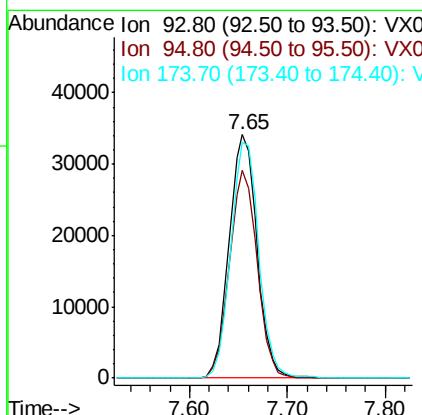
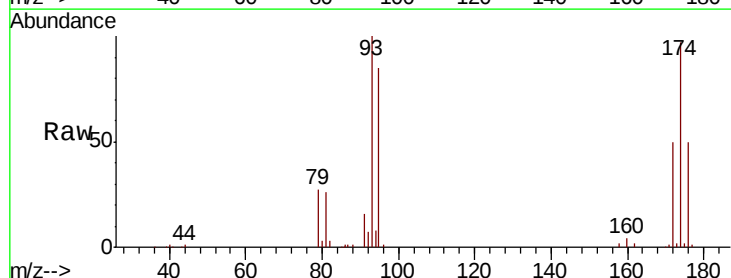
Tgt Ion: 93 Resp: 67415

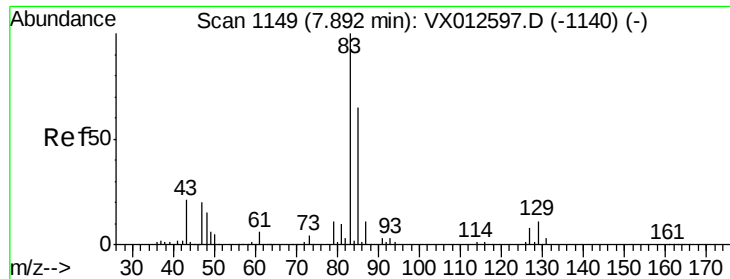
Ion Ratio Lower Upper

93 100

95 84.9 66.6 100.0

174 97.4 77.4 116.0





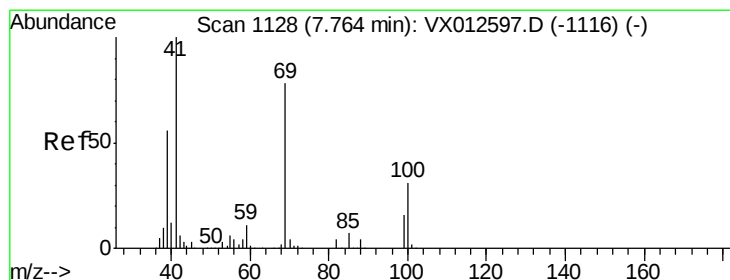
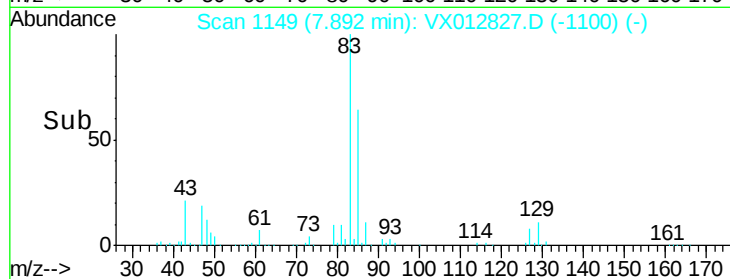
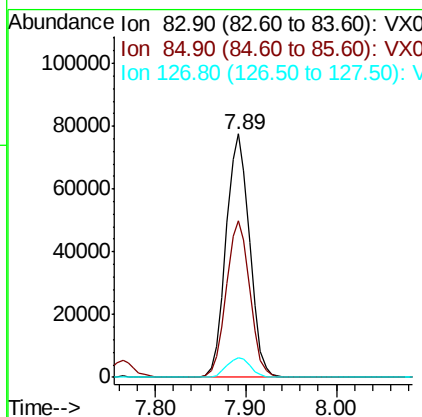
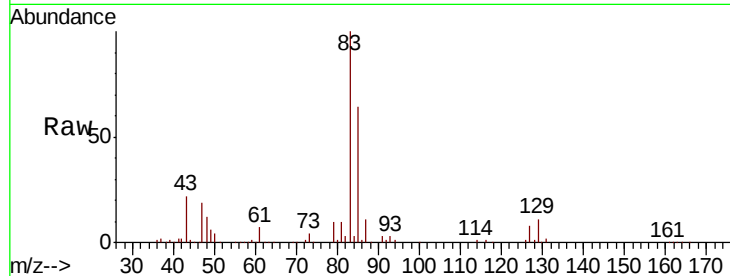
#47  
 Bromodichloromethane  
 Concen: 50.403 ug/l  
 RT: 7.89 min Scan# 1149  
 Delta R.T. 0.00 min  
 Lab File: VX012827.D  
 Acq: 04 Oct 2019 21:14

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion   | 83   | Resp | 139317 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 51.8 |      |        |
| Upper     | 77.6 |      |        |
| 85        | 64.3 |      |        |
| 127       | 8.3  |      |        |

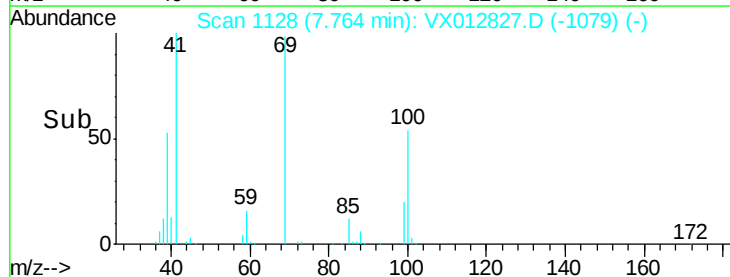
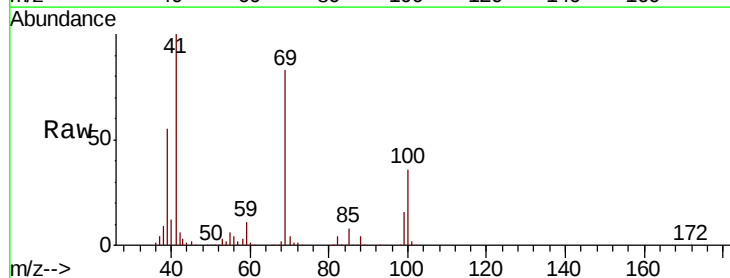
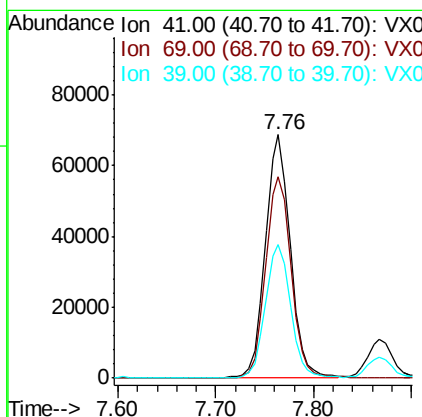
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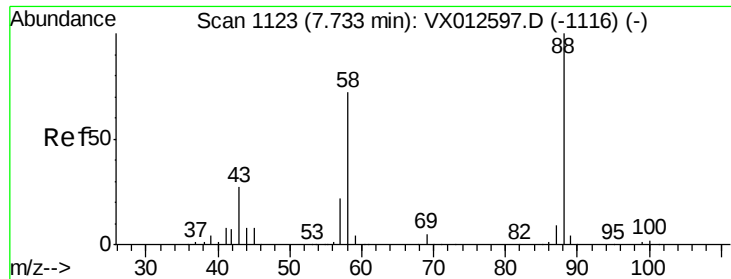
MMDadoda  
 10/7/2019 9:26:42 AM



#48  
 Methyl methacrylate  
 Concen: 48.069 ug/l  
 RT: 7.76 min Scan# 1128  
 Delta R.T. 0.00 min  
 Lab File: VX012827.D  
 Acq: 04 Oct 2019 21:14

| Tgt Ion   | 41   | Resp | 121513 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 59.9 |      |        |
| Upper     | 89.9 |      |        |
| 69        | 85.5 |      |        |
| 39        | 56.3 |      |        |





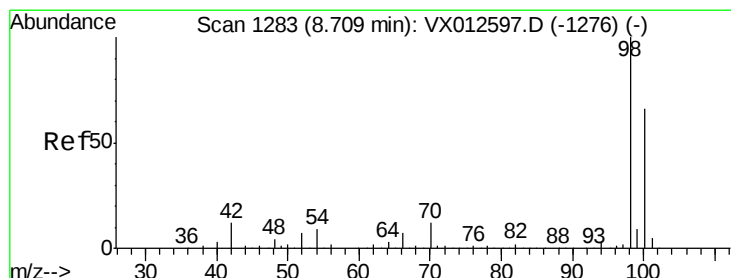
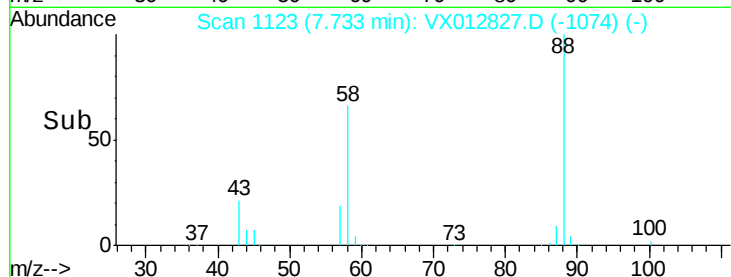
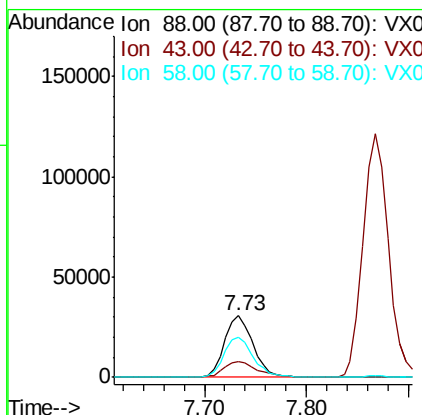
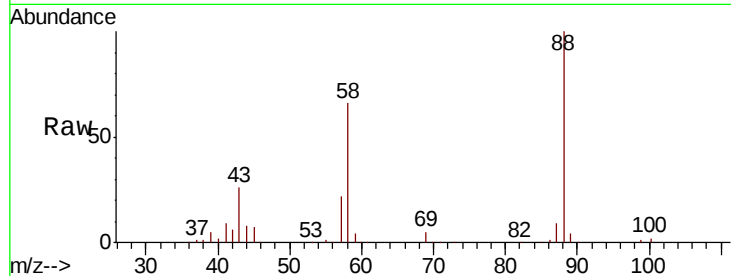
#49  
1,4-Dioxane  
Concen: 1041.007 ug/l  
RT: 7.73 min Scan# 1123  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 31.3  | 29.4  | 44.0  |
| 58      | 68.0  | 57.5  | 86.3  |

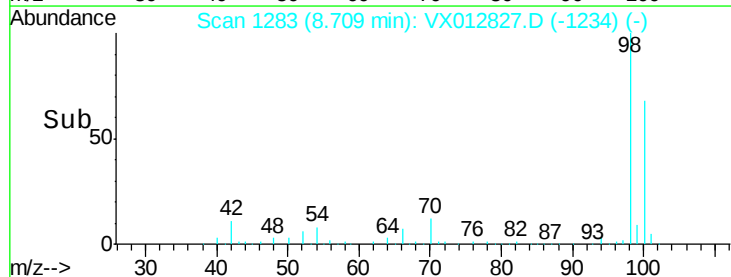
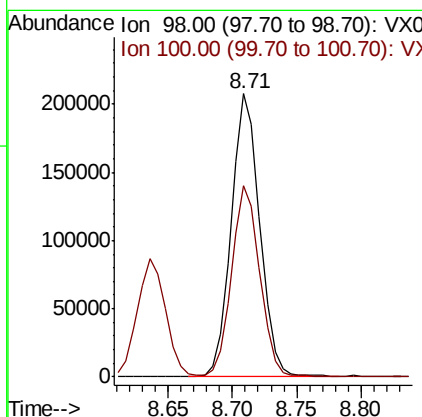
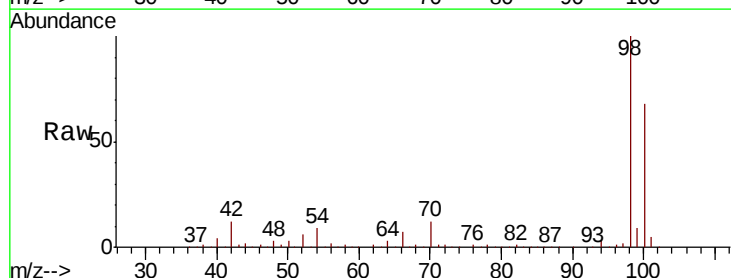
Manual Integrations  
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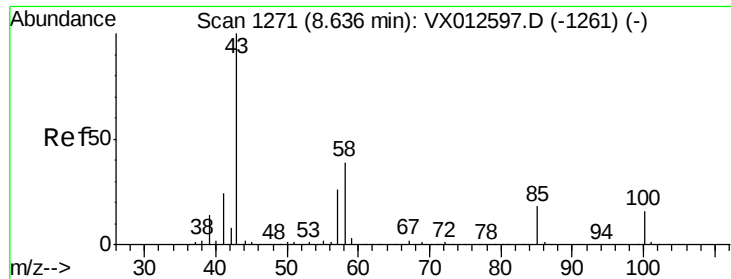
MMDadoda  
10/7/2019 9:26:42 AM



#50  
Toluene-d8  
Concen: 50.049 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.5  | 53.4  | 80.2  |





#51

4-Methyl-2-Pentanone

Concen: 242.354 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 788691

Ion Ratio Lower Upper

43 100

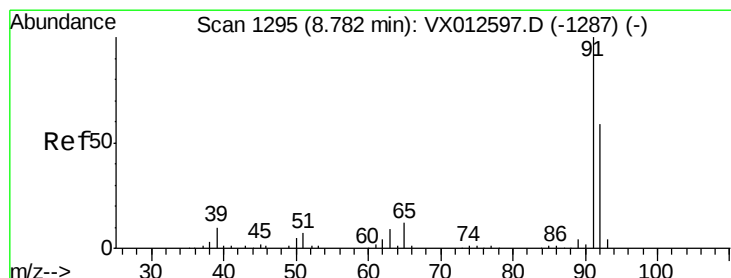
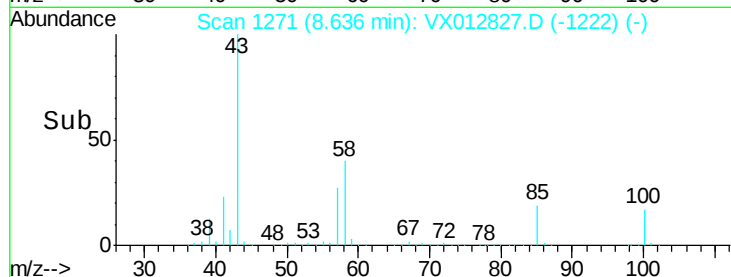
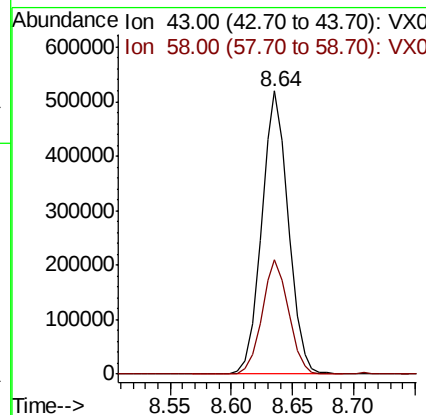
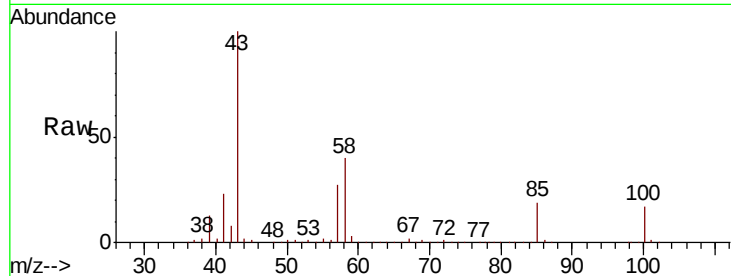
58 40.2 29.8 44.6

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10/7/2019 9:26:42 AM



#52

Toluene

Concen: 49.851 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012827.D

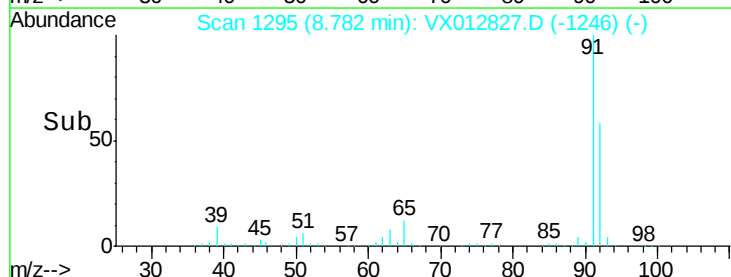
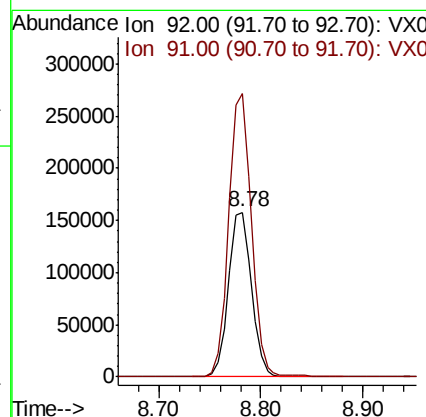
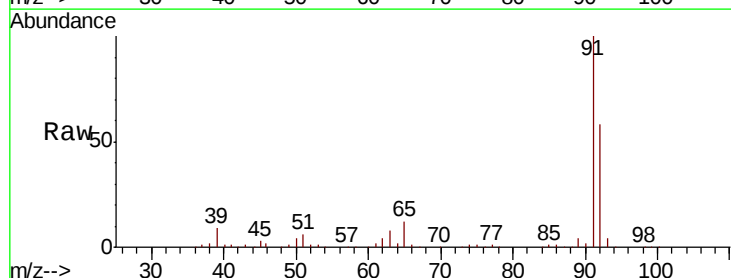
Acq: 04 Oct 2019 21:14

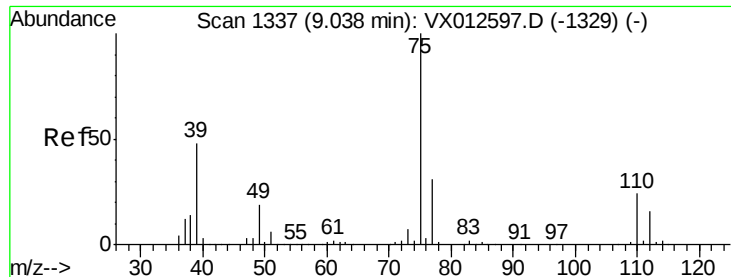
Tgt Ion: 92 Resp: 248585

Ion Ratio Lower Upper

92 100

91 170.1 135.4 203.0





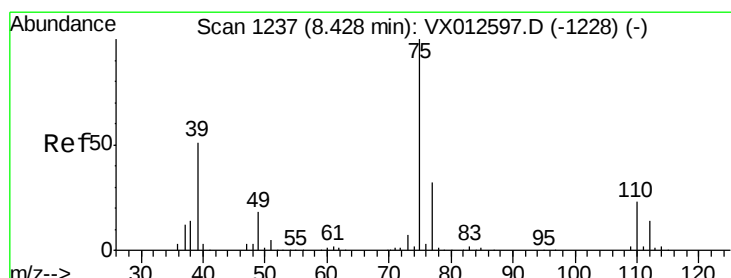
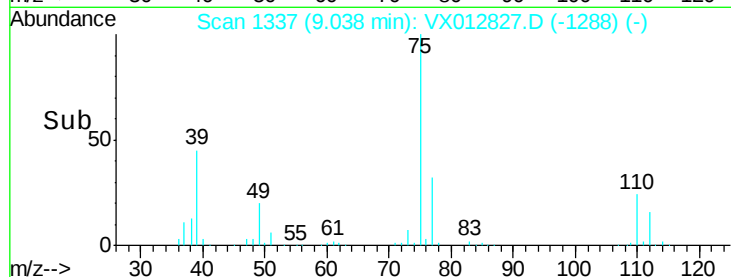
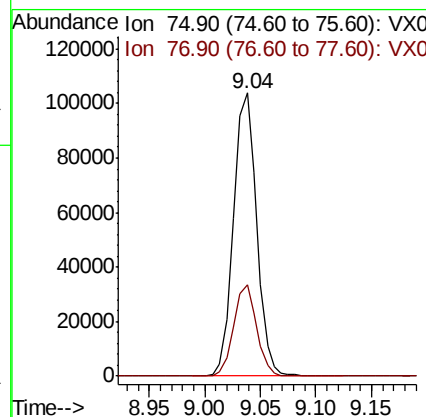
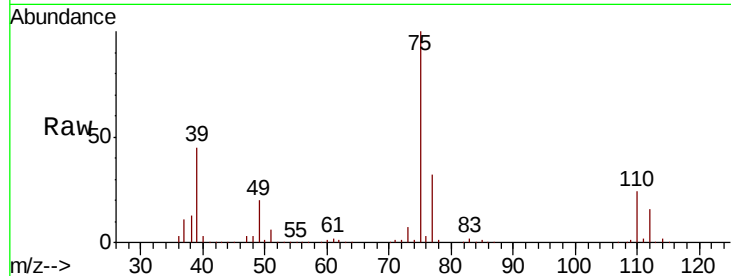
#53  
 t-1,3-Dichloropropene  
 Concen: 49.150 ug/l  
 RT: 9.04 min Scan# 1337  
 Delta R.T. 0.00 min  
 Lab File: VX012827.D  
 Acq: 04 Oct 2019 21:14

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 75 Resp: 150310  
 Ion Ratio Lower Upper  
 75 100  
 77 32.1 25.2 37.8

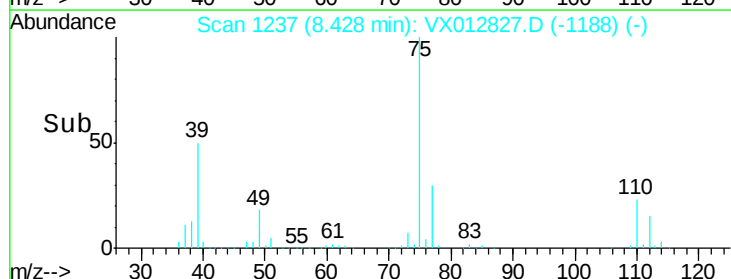
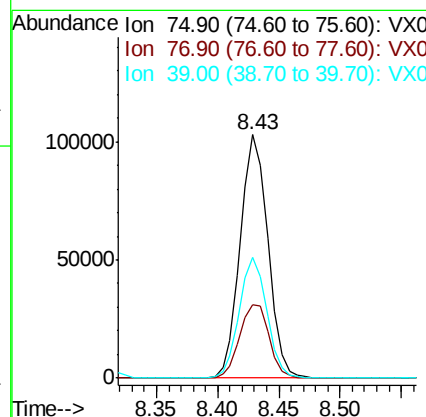
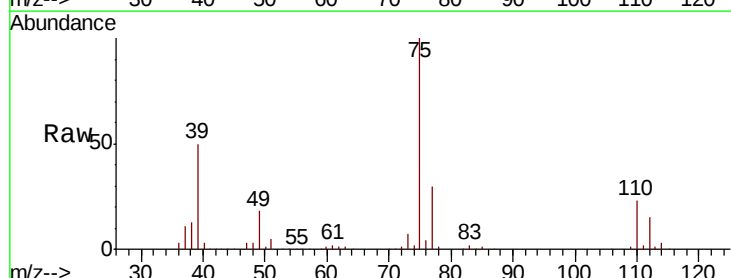
Manual Integrations  
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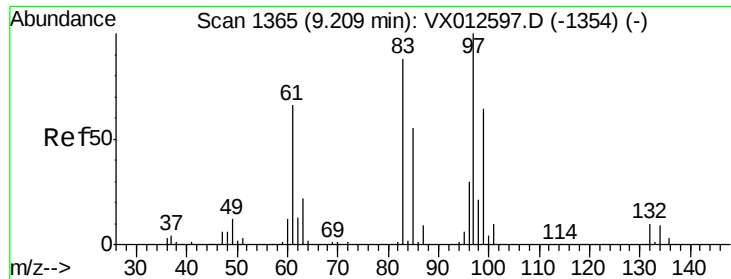
MMDadoda  
 10/7/2019 9:26:42 AM



#54  
 cis-1,3-Dichloropropene  
 Concen: 48.362 ug/l  
 RT: 8.43 min Scan# 1237  
 Delta R.T. 0.00 min  
 Lab File: VX012827.D  
 Acq: 04 Oct 2019 21:14

Tgt Ion: 75 Resp: 161486  
 Ion Ratio Lower Upper  
 75 100  
 77 30.0 25.8 38.8  
 39 49.6 45.5 68.3





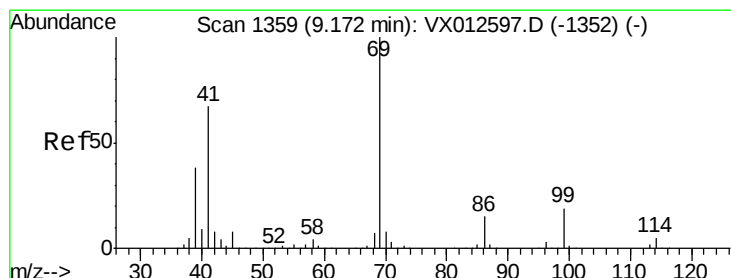
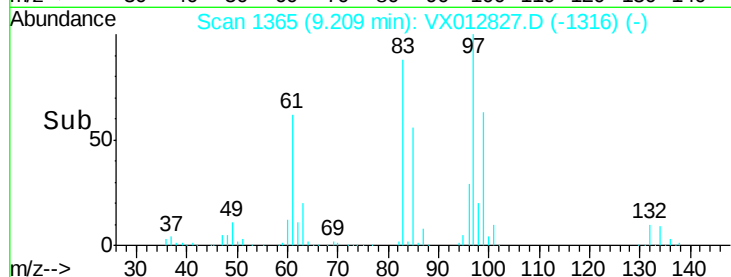
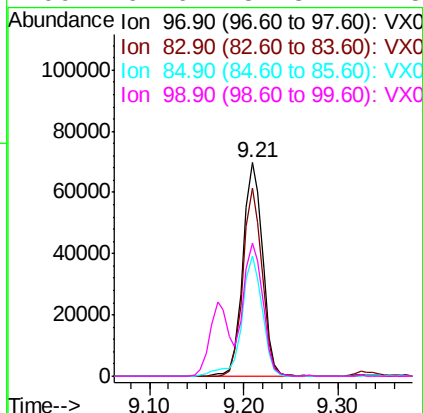
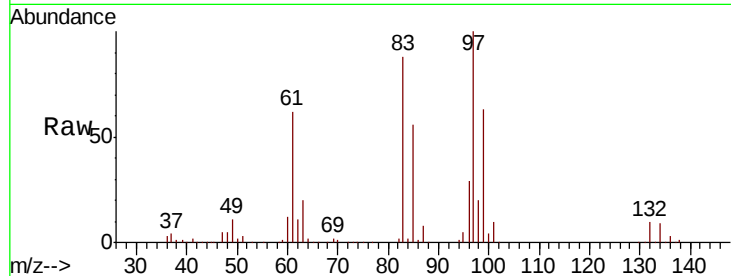
#55  
 1,1,2-Trichloroethane  
 Concen: 51.401 ug/l  
 RT: 9.21 min Scan# 1365  
 Delta R.T. 0.00 min  
 Lab File: VX012827.D  
 Acq: 04 Oct 2019 21:14

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 101902 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 88.3  | 67.4  | 101.2  |
| 85       | 56.1  | 43.5  | 65.3   |
| 99       | 62.6  | 51.8  | 77.8   |

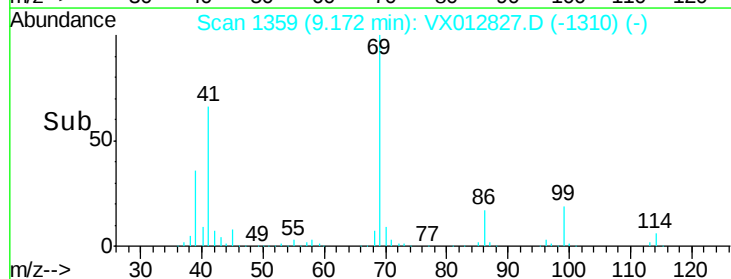
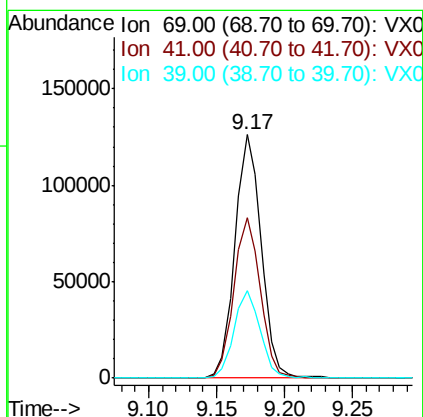
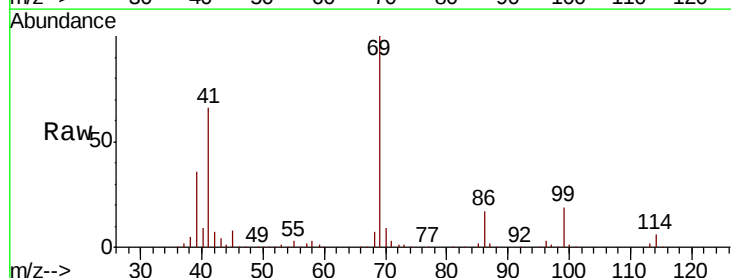
Manual Integrations  
 APPROVED

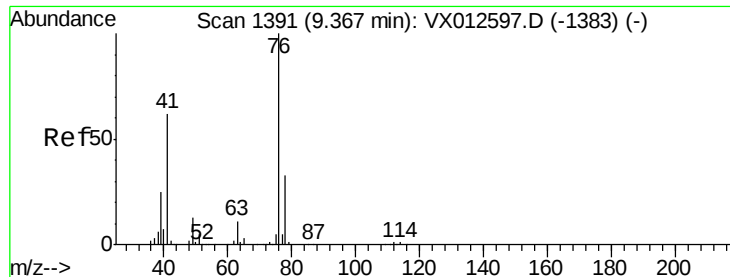
MMDadoda  
 10/7/2019 9:26:42 AM



#56  
 Ethyl methacrylate  
 Concen: 51.185 ug/l  
 RT: 9.17 min Scan# 1359  
 Delta R.T. 0.00 min  
 Lab File: VX012827.D  
 Acq: 04 Oct 2019 21:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 170477 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 66.5  | 58.4  | 87.6   |
| 39       | 35.5  | 33.4  | 50.0   |





#57

1,3-Dichloropropane

Concen: 50.154 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 174020

Ion Ratio Lower Upper

76 100

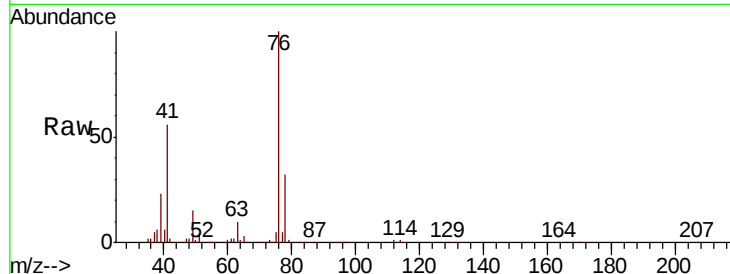
78 32.2 26.2 39.2

Manual Integrations

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MMDadoda

10/7/2019 9:26:42 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

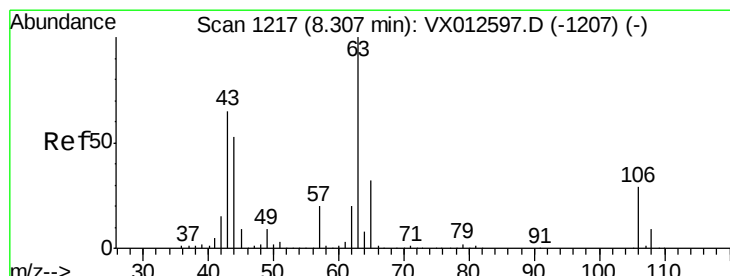
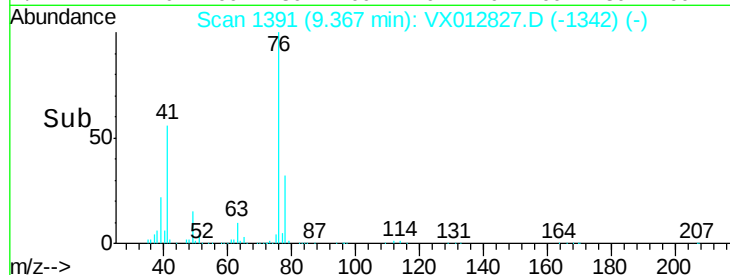
100000

50000

0

Time-->

9.30 9.35 9.40 9.45 9.50



#58

2-Chloroethyl Vinyl ether

Concen: 259.947 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012827.D

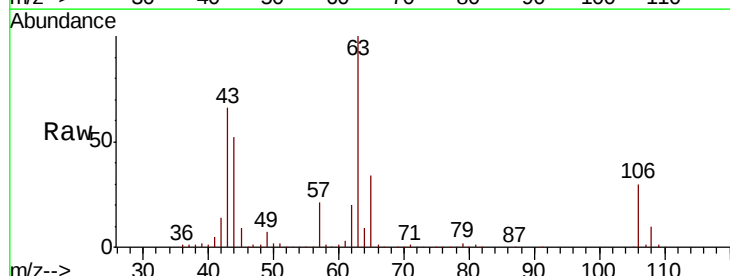
Acq: 04 Oct 2019 21:14

Tgt Ion: 63 Resp: 388626

Ion Ratio Lower Upper

63 100

106 29.4 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

250000

200000

150000

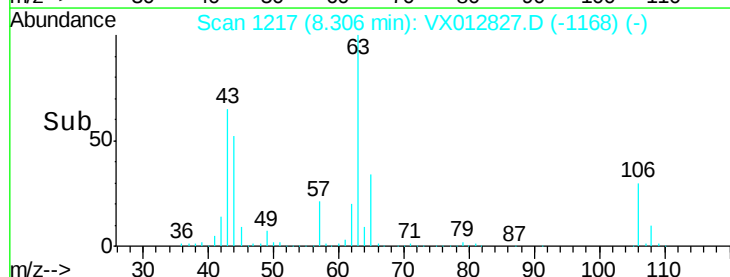
100000

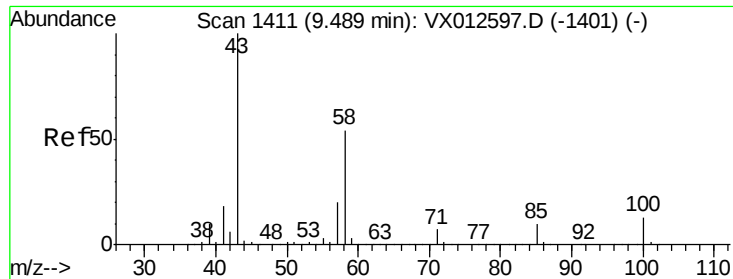
50000

0

Time-->

8.20 8.25 8.30 8.35 8.40





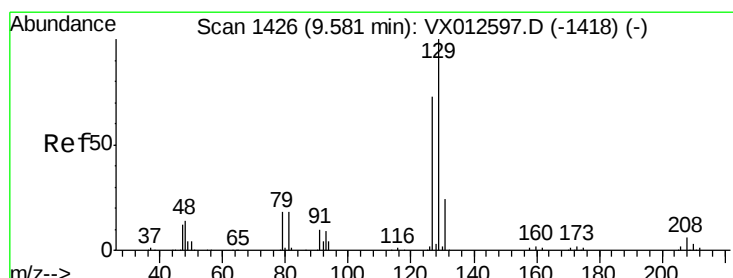
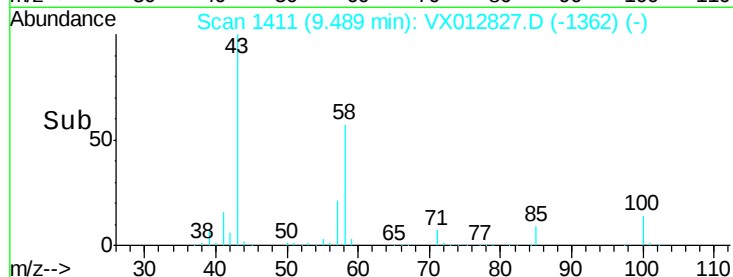
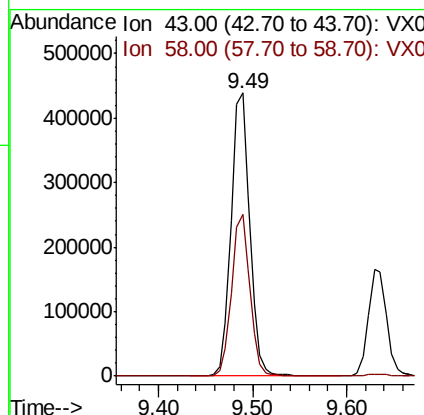
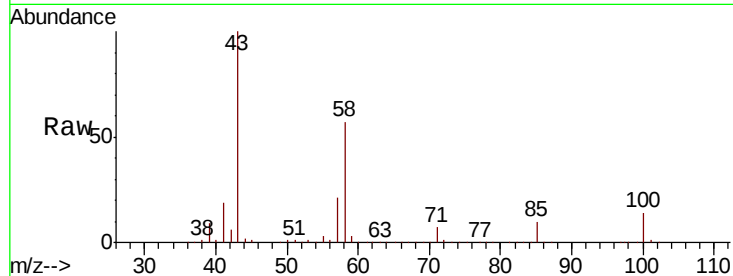
#59  
2-Hexanone  
Concen: 243.420 ug/l  
RT: 9.49 min Scan# 1411  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 606350  
Ion Ratio Lower Upper  
43 100  
58 56.0 25.7 77.1

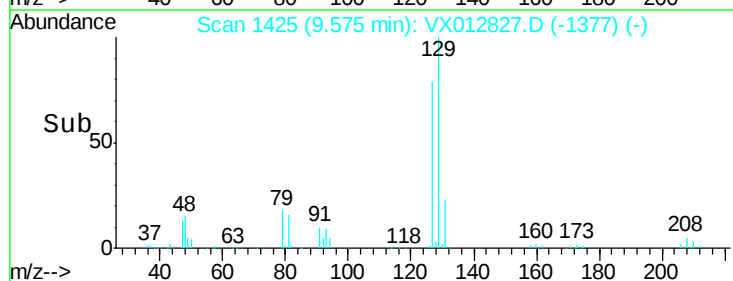
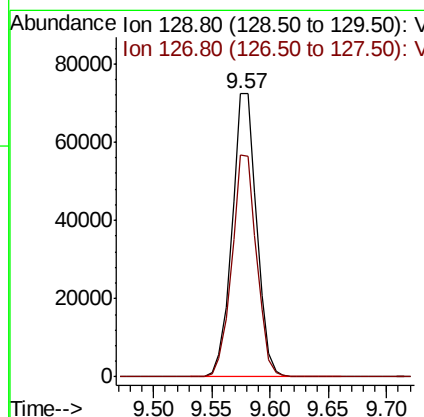
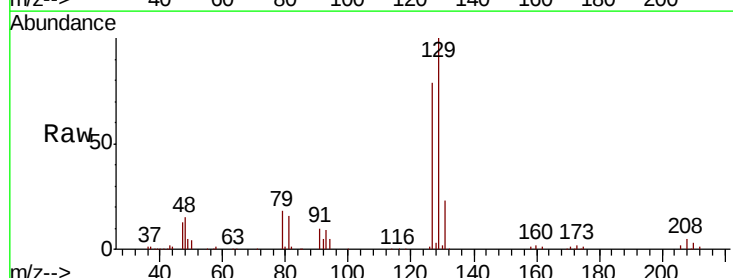
Manual Integrations  
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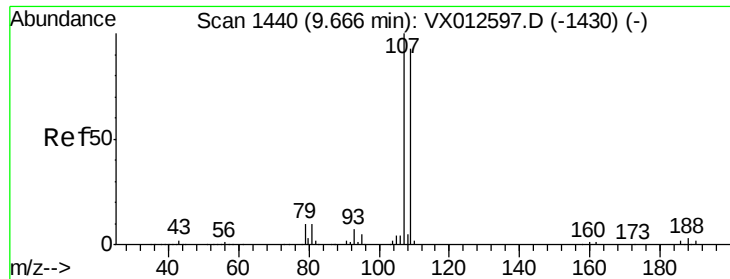
MMDadoda  
10/7/2019 9:26:42 AM



#60  
Dibromochloromethane  
Concen: 53.006 ug/l  
RT: 9.57 min Scan# 1425  
Delta R.T. -0.01 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Tgt Ion: 129 Resp: 106376  
Ion Ratio Lower Upper  
129 100  
127 78.6 38.9 116.6





#61

1,2-Dibromoethane

Concen: 51.295 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 105834

Ion Ratio Lower Upper

107 100

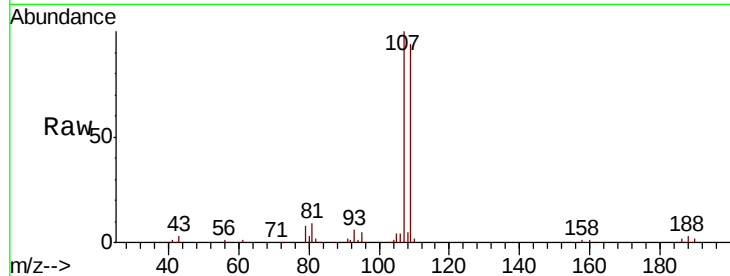
109 94.1 74.7 112.1

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10/7/2019 9:26:42 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

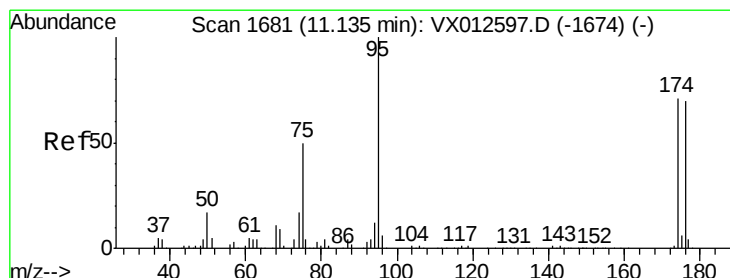
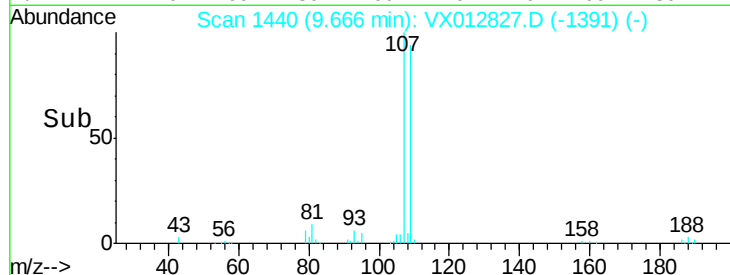
40000

20000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 50.086 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

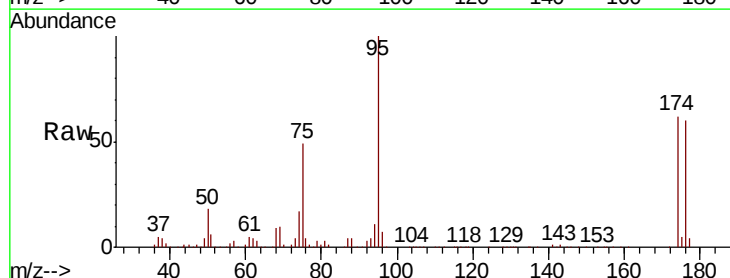
Tgt Ion: 95 Resp: 126358

Ion Ratio Lower Upper

95 100

174 72.0 0.0 140.0

176 68.8 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

120000

100000

80000

60000

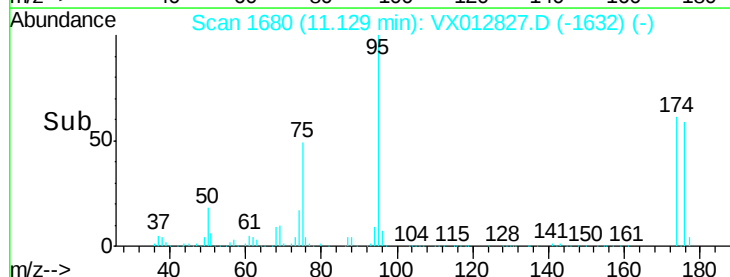
40000

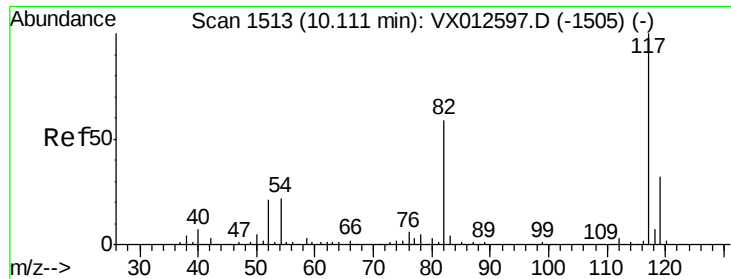
20000

0

11.05 11.10 11.15 11.20

Time-->





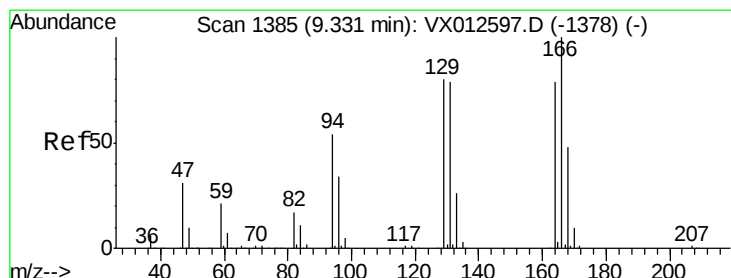
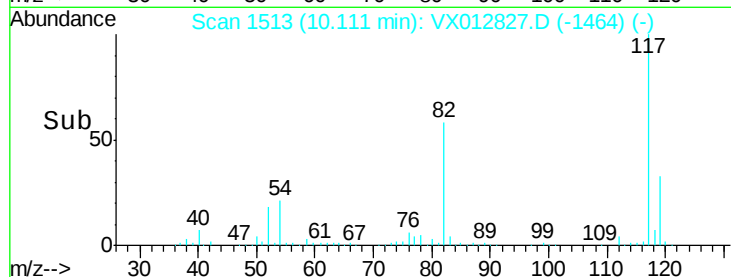
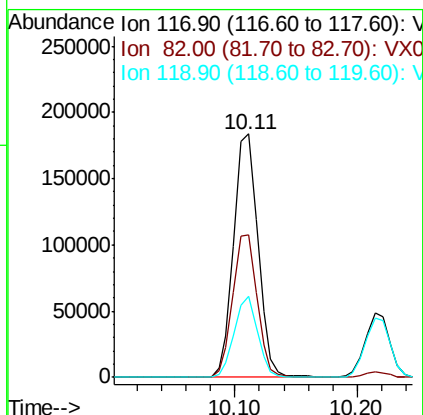
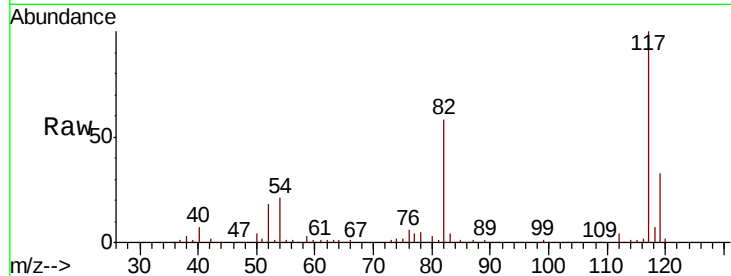
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.5  | 45.9  | 68.9  |
| 119     | 33.1  | 25.3  | 37.9  |

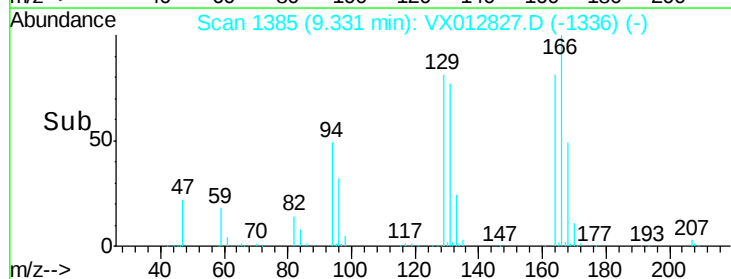
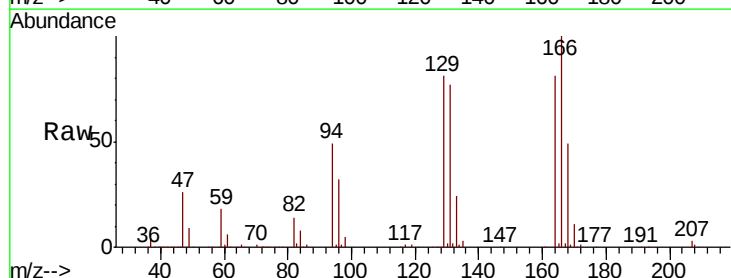
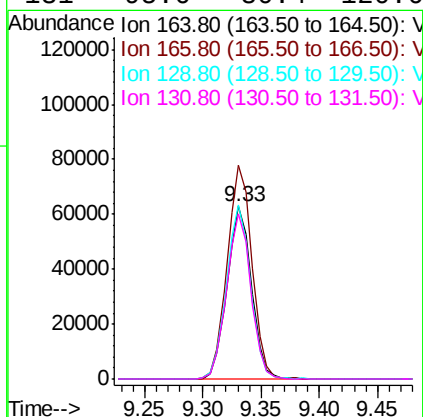
Manual Integrations  
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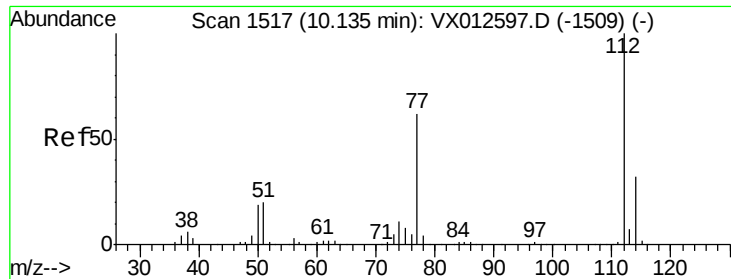
MMDadoda  
10/7/2019 9:26:42 AM



#64  
Tetrachloroethene  
Concen: 51.620 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 124.0 | 107.8 | 161.6 |
| 129     | 100.9 | 86.2  | 129.2 |
| 131     | 95.6  | 80.4  | 120.6 |





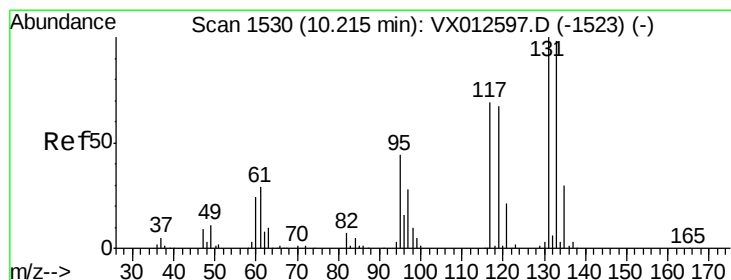
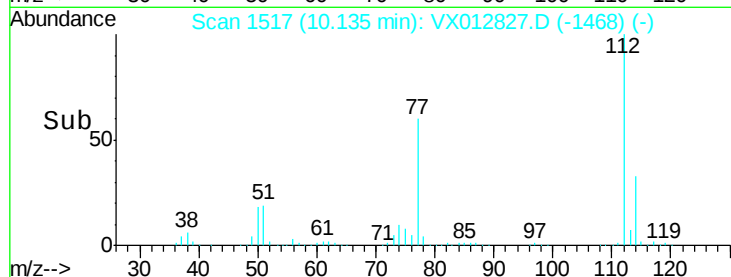
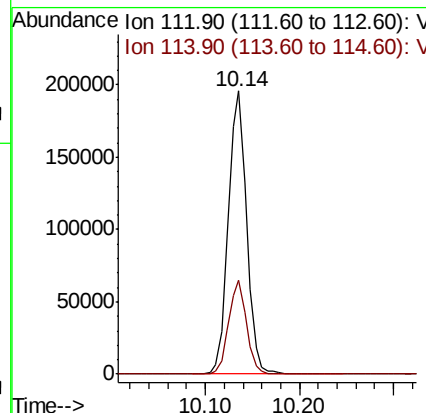
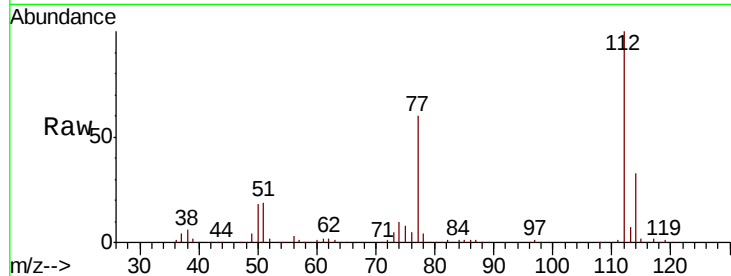
#65  
Chlorobenzene  
Concen: 49.435 ug/l  
RT: 10.14 min Scan# 1517  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 264129  
Ion Ratio Lower Upper  
112 100  
114 33.0 25.4 38.0

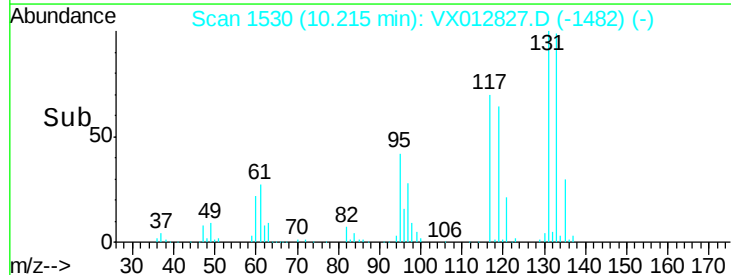
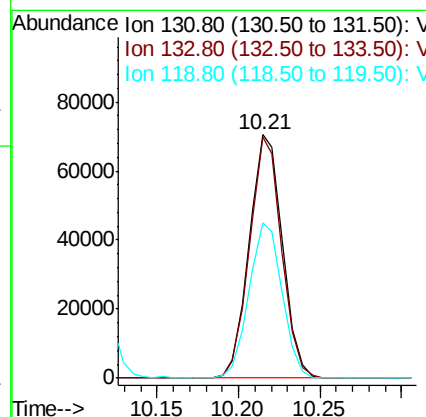
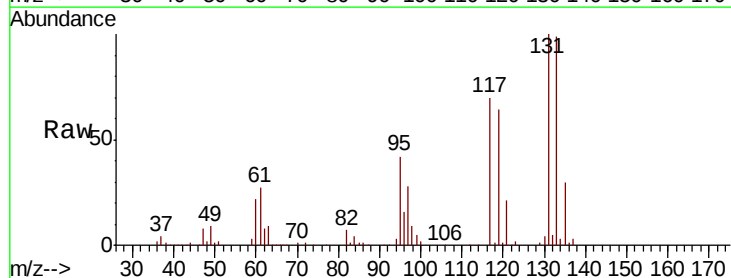
Manual Integrations  
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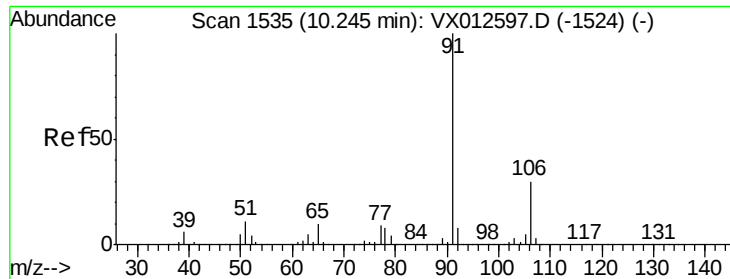
MMDadoda  
10/7/2019 9:26:42 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.446 ug/l  
RT: 10.21 min Scan# 1530  
Delta R.T. -0.01 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Tgt Ion:131 Resp: 99593  
Ion Ratio Lower Upper  
131 100  
133 95.8 47.6 142.9  
119 64.0 31.3 93.8





#67

Ethyl Benzene

Concen: 49.867 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 483254

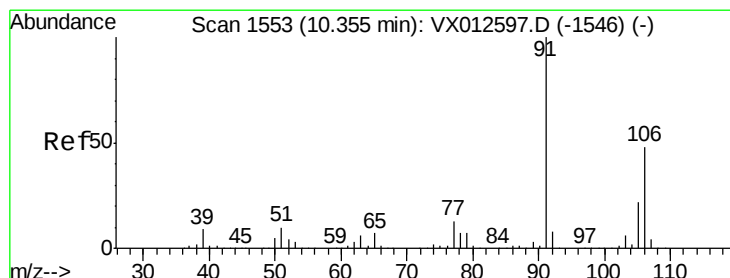
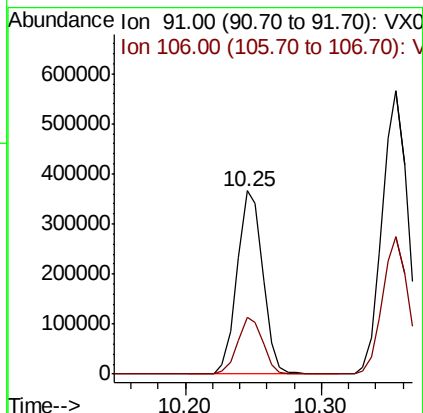
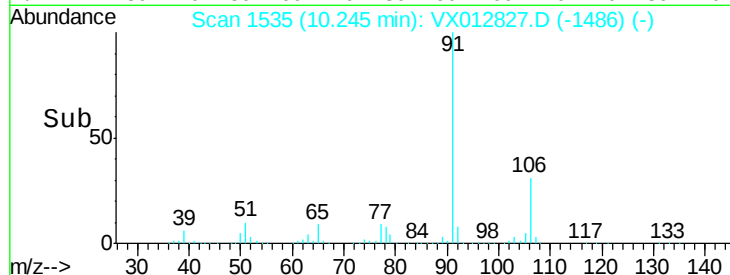
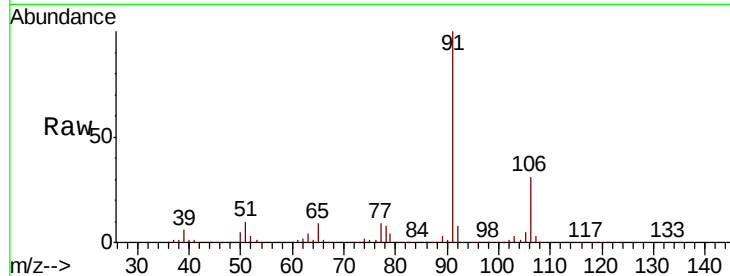
Ion Ratio Lower Upper

91 100

106 31.0 24.6 37.0

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#68

m/p-Xylenes

Concen: 99.480 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012827.D

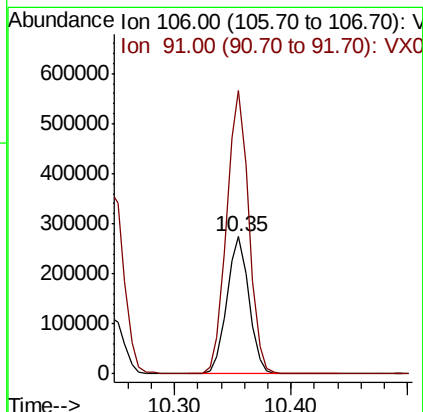
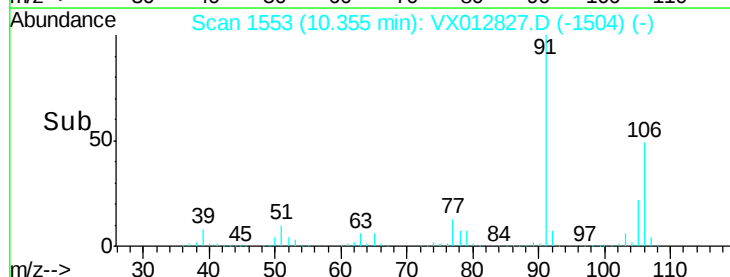
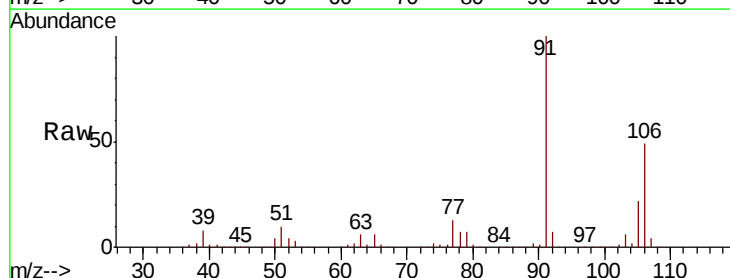
Acq: 04 Oct 2019 21:14

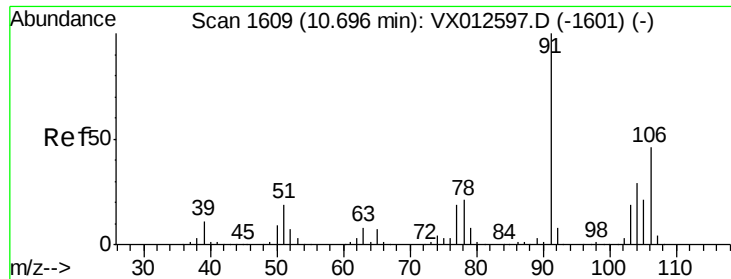
Tgt Ion: 106 Resp: 361129

Ion Ratio Lower Upper

106 100

91 207.0 166.6 250.0





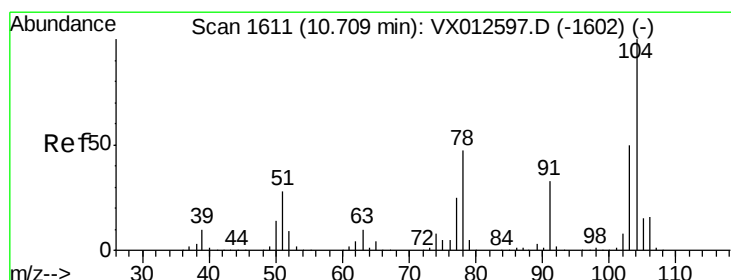
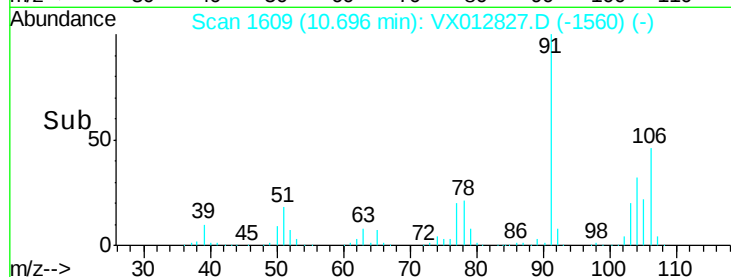
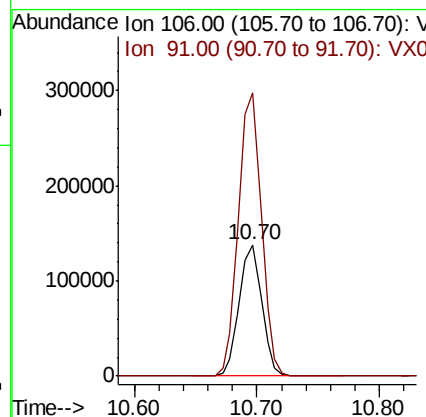
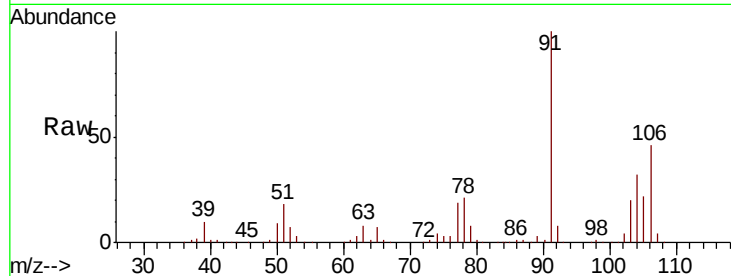
#69  
o-Xylene  
Concen: 50.389 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:106 Resp: 176999  
Ion Ratio Lower Upper  
106 100  
91 218.6 109.4 328.2

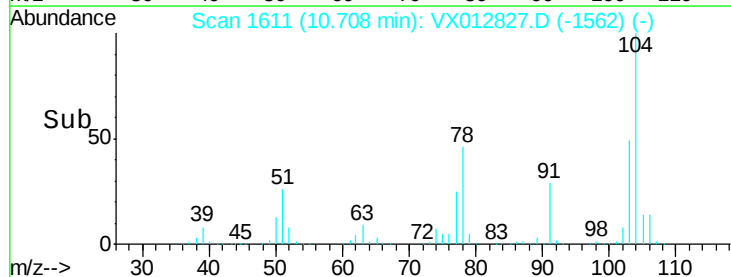
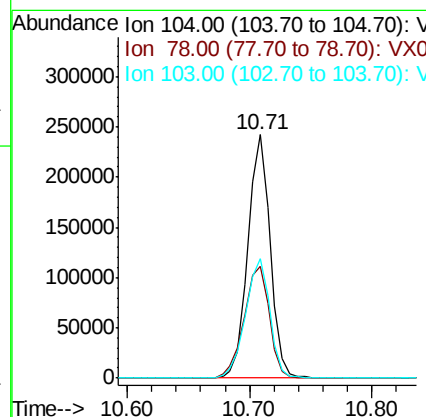
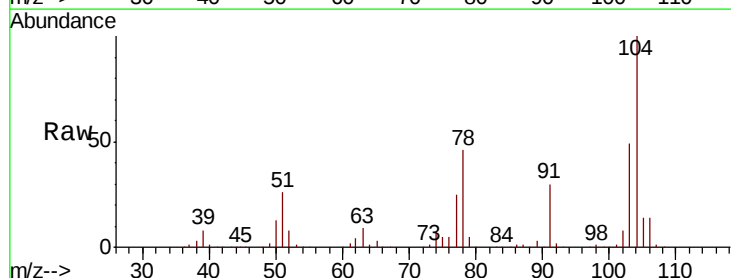
Manual Integrations  
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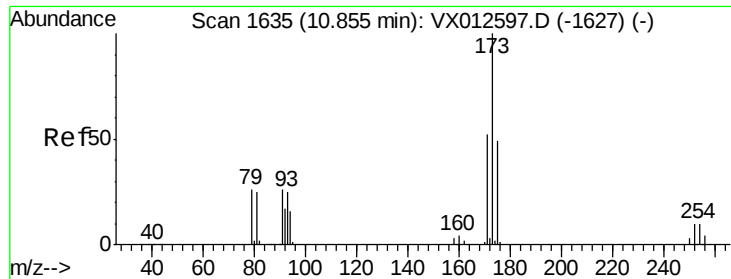
MMDadoda  
10/7/2019 9:26:42 AM



#70  
Styrene  
Concen: 51.934 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Tgt Ion:104 Resp: 305823  
Ion Ratio Lower Upper  
104 100  
78 52.6 43.4 65.2  
103 53.9 43.3 64.9





#71

Bromoform

Concen: 55.196 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

Instrument :

MSVOA\_X

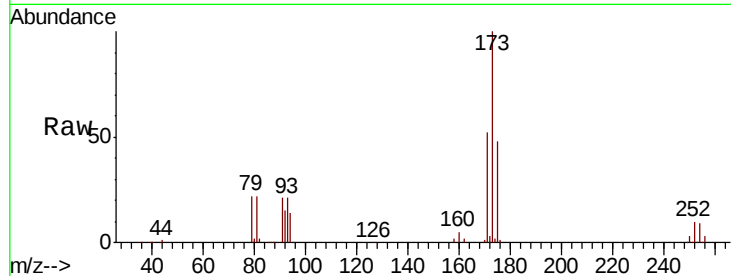
ClientSampleId :

VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.1  | 23.7  | 71.1  |
| 254     | 0.1   | 0.1   | 0.1   |

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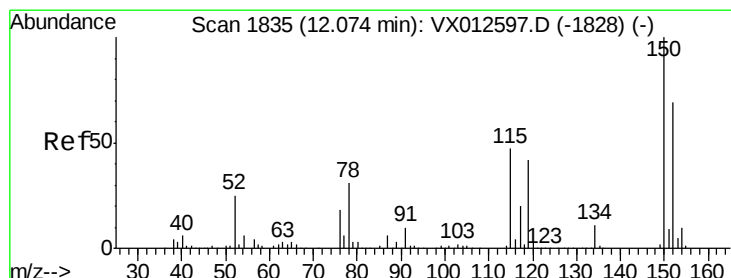
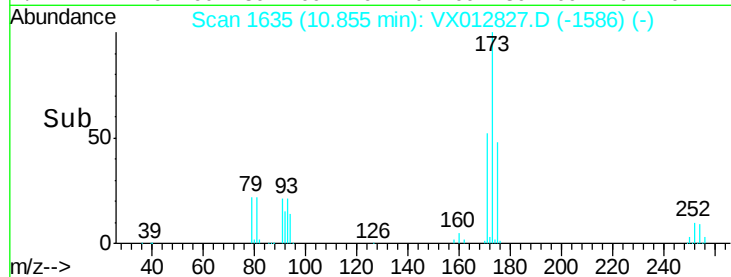
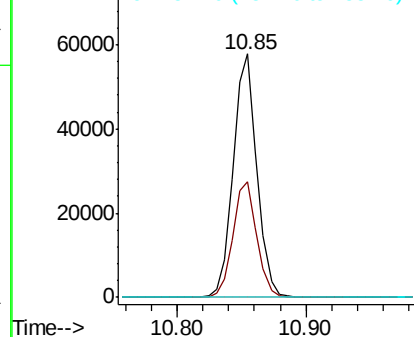


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

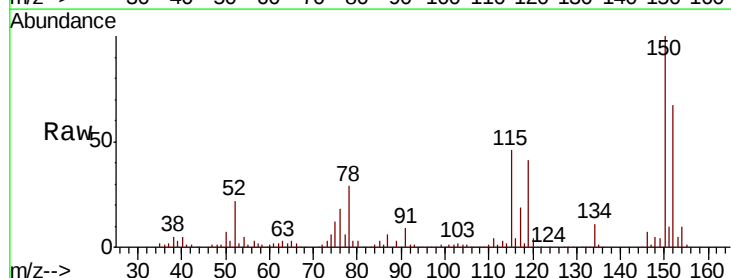
RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 87.9  | 44.1  | 132.3 |
| 150     | 172.8 | 0.0   | 343.8 |

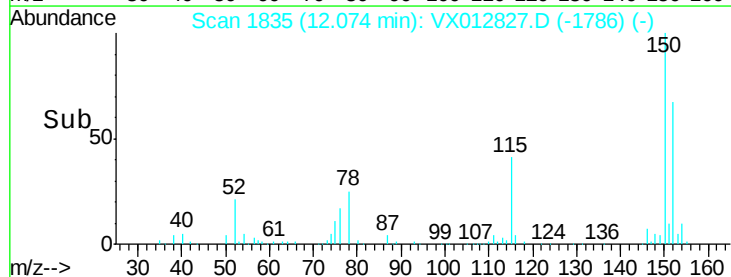
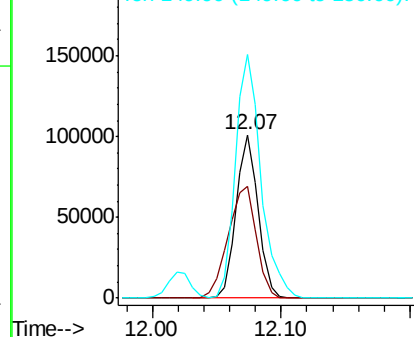


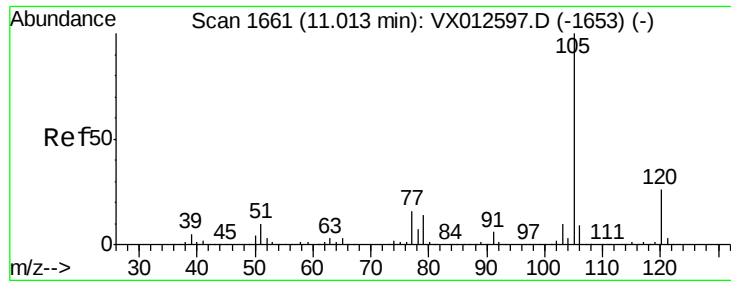
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





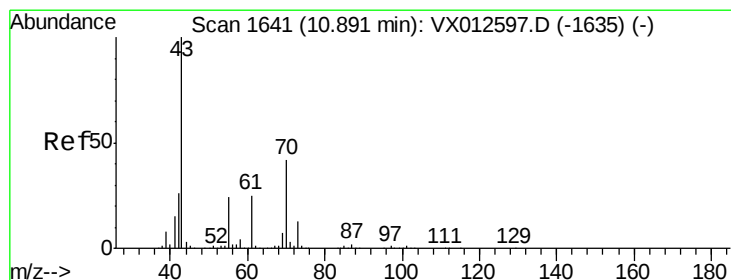
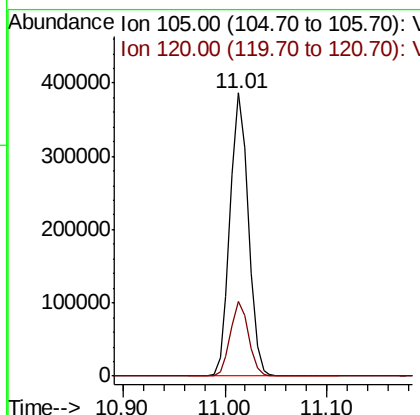
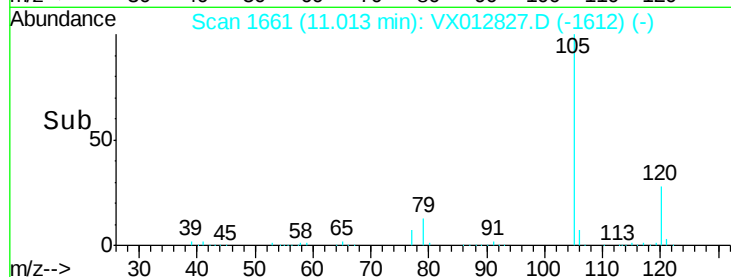
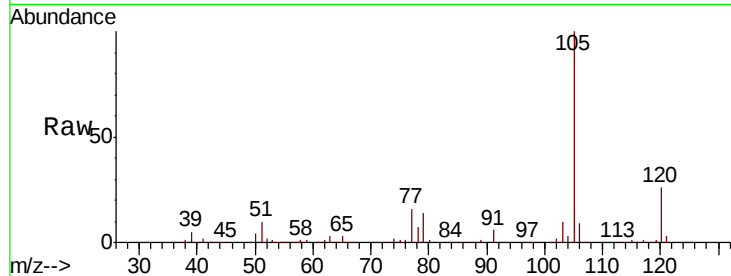
#73  
Isopropylbenzene  
Concen: 48.355 ug/l  
RT: 11.01 min Scan# 1661  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 105 Resp: 477206  
Ion Ratio Lower Upper  
105 100  
120 26.0 12.9 38.7

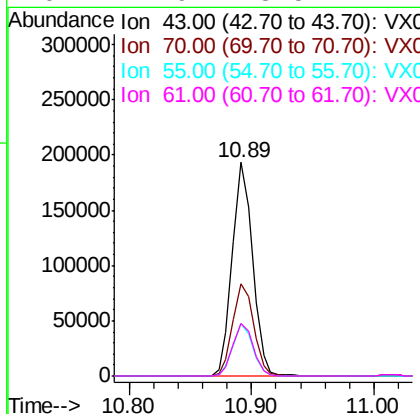
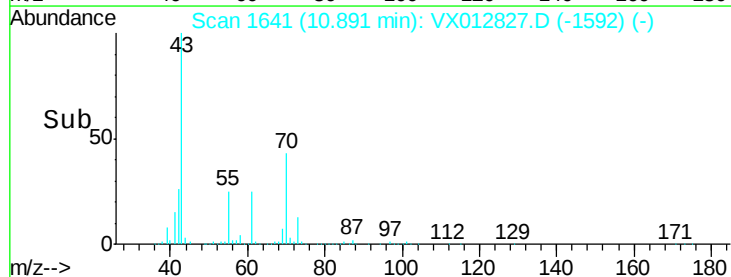
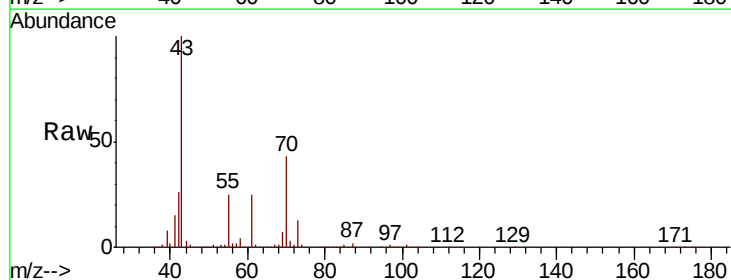
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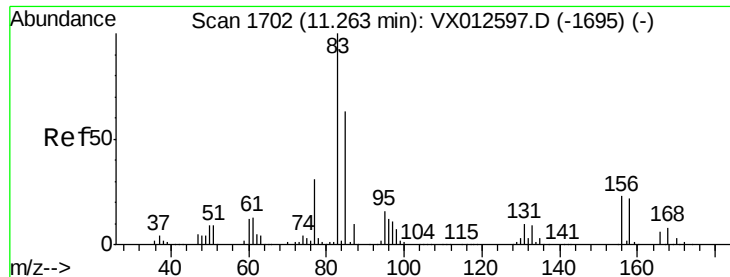
MMDadoda  
10/7/2019 9:26:42 AM



#74  
N-ethyl acetate  
Concen: 47.343 ug/l  
RT: 10.89 min Scan# 1641  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Tgt Ion: 43 Resp: 222897  
Ion Ratio Lower Upper  
43 100  
70 44.7 32.4 48.6  
55 24.4 18.2 27.4  
61 24.9 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.432 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

Instrument :

MSVOA\_X

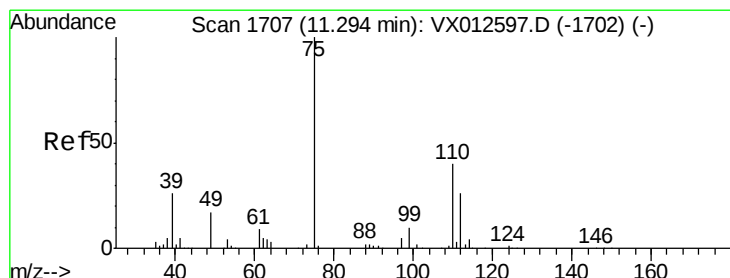
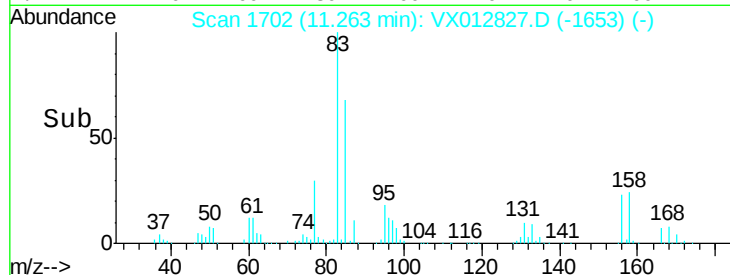
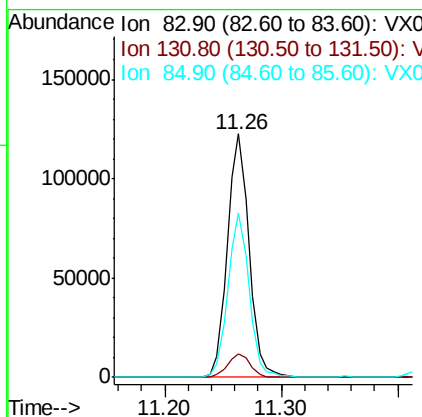
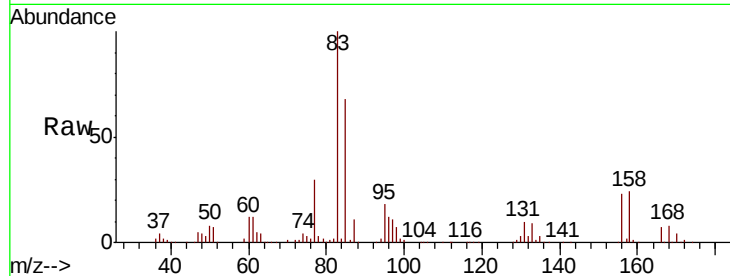
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 158297 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.8   | 5.2   | 15.6   |
| 85        | 66.4  | 32.0  | 96.0   |

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#76

1,2,3-Trichloropropane

Concen: 47.012 ug/l m

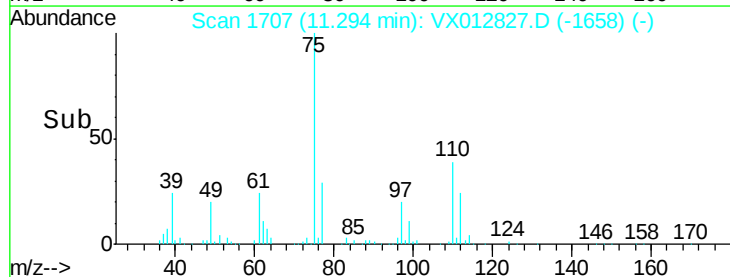
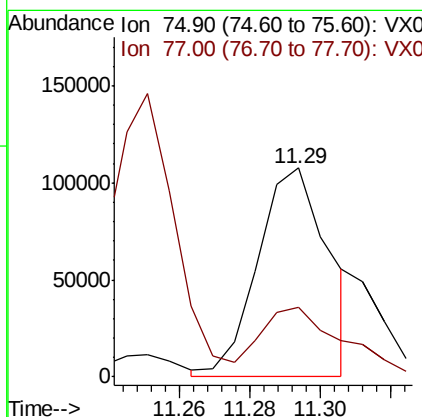
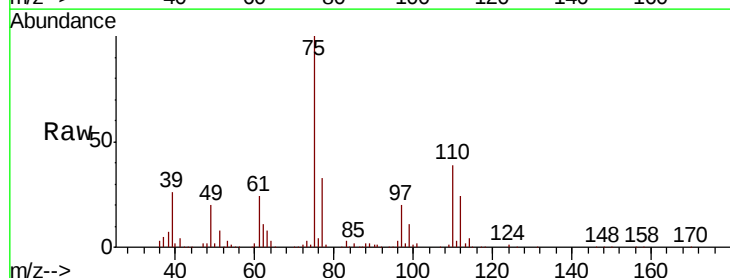
RT: 11.29 min Scan# 1707

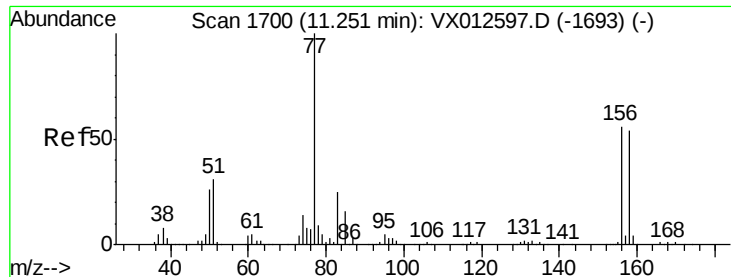
Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 150683 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 39.1  | 19.7  | 59.0   |





#77

Bromobenzene

Concen: 48.557 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

Instrument :

MSVOA\_X

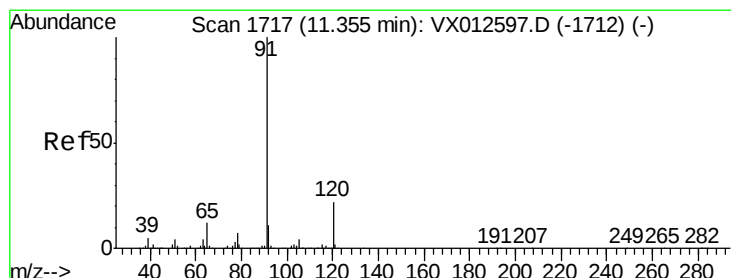
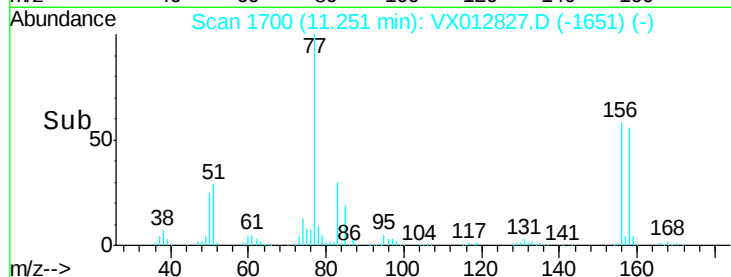
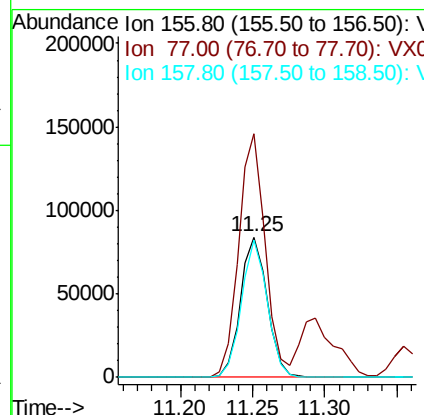
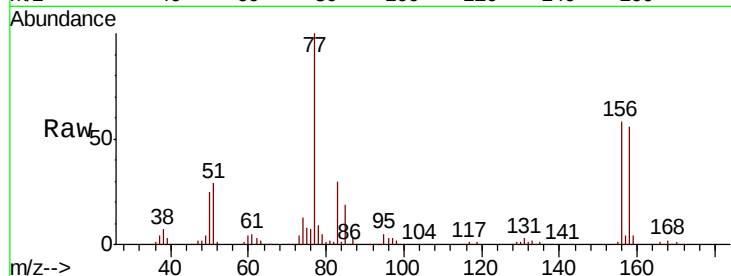
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 108456 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 173.4 | 87.3  | 261.8  |
| 158       | 95.2  | 48.5  | 145.6  |

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#78

n-propylbenzene

Concen: 46.804 ug/l

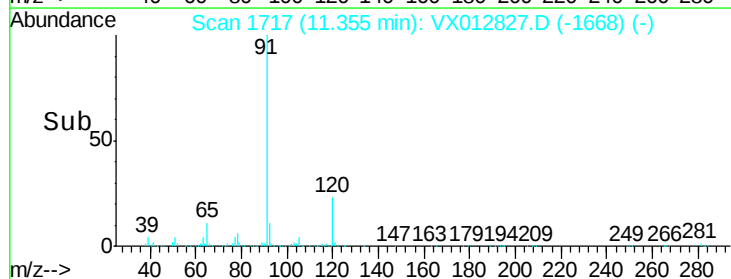
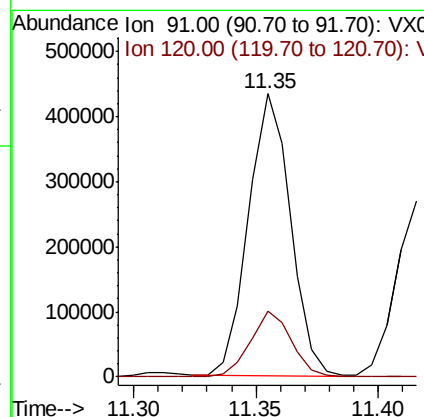
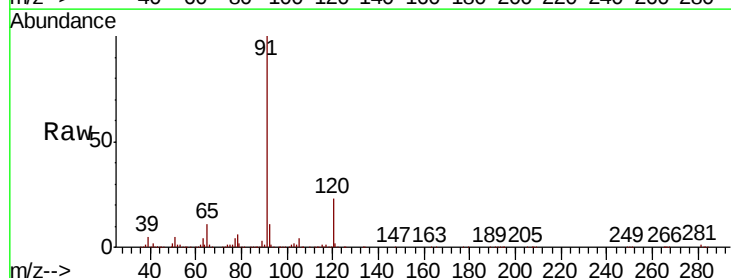
RT: 11.35 min Scan# 1717

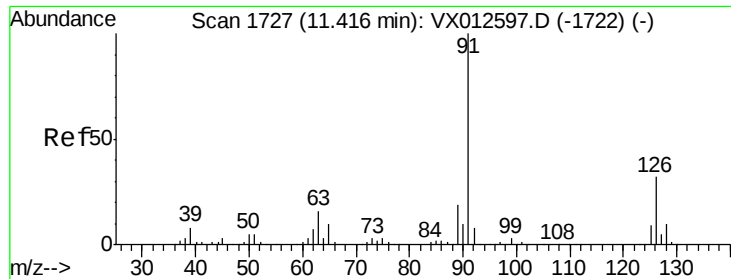
Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 520023 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.9  | 11.3  | 33.8   |





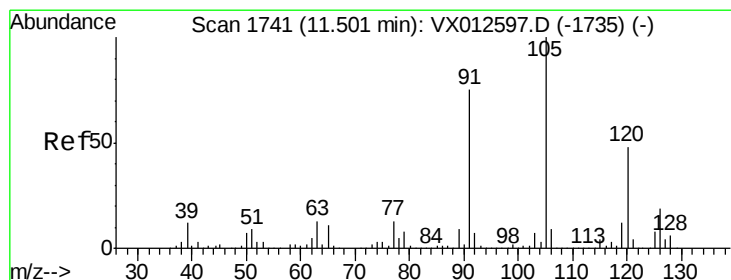
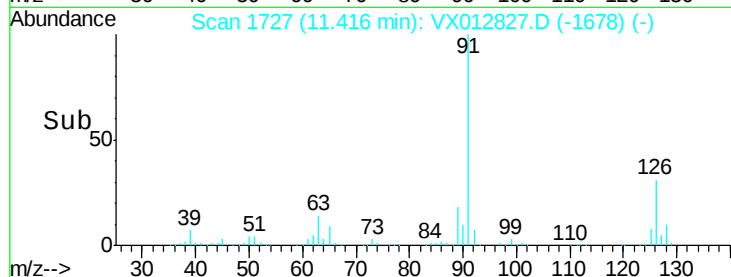
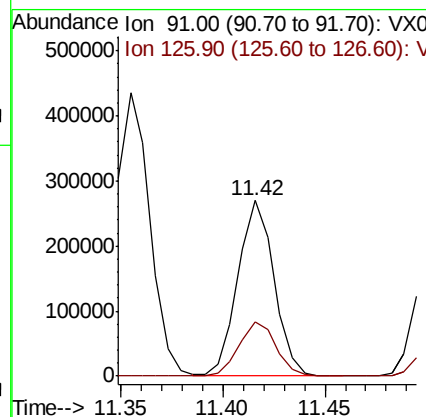
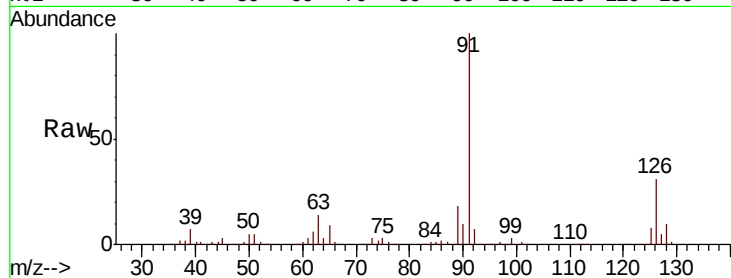
#79  
2-Chlorotoluene  
Concen: 47.715 ug/l  
RT: 11.42 min Scan# 1727  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 330712  
Ion Ratio Lower Upper  
91 100  
126 31.6 16.4 49.4

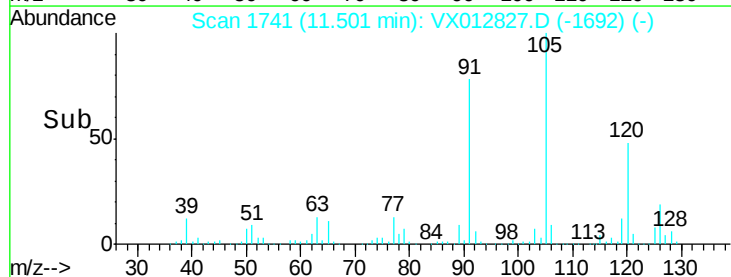
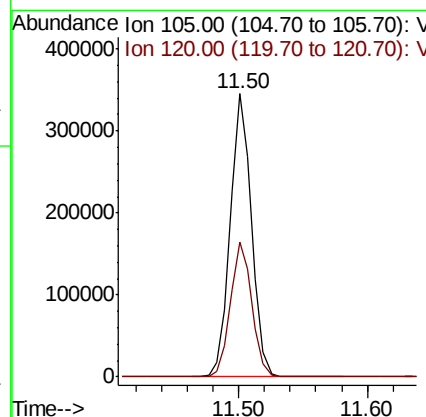
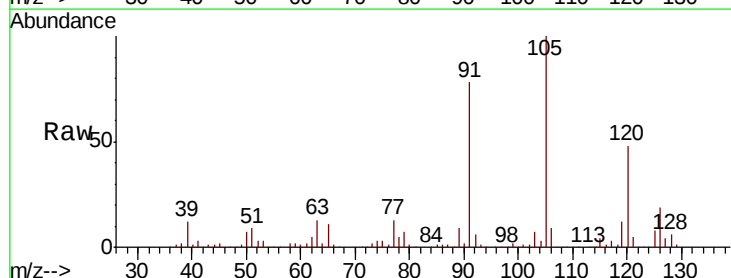
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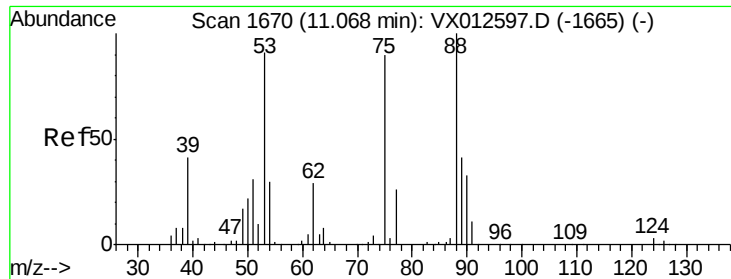
MMDadoda  
10/7/2019 9:26:42 AM



#80  
1,3,5-Trimethylbenzene  
Concen: 48.583 ug/l  
RT: 11.50 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Tgt Ion: 105 Resp: 402067  
Ion Ratio Lower Upper  
105 100  
120 47.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 43.845 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012827.D

Acq: 04 Oct 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 49038

Ion Ratio Lower Upper

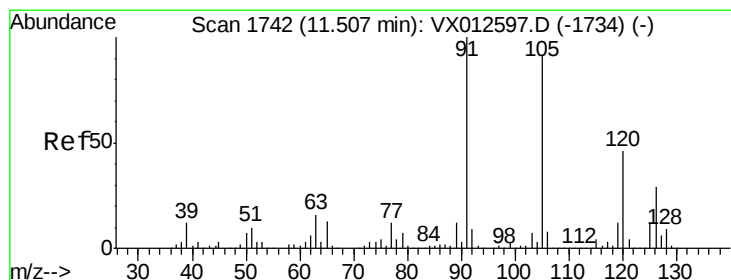
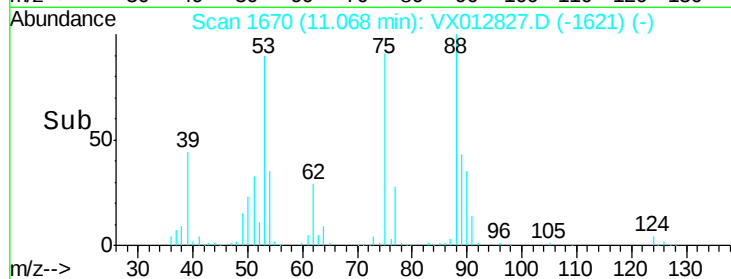
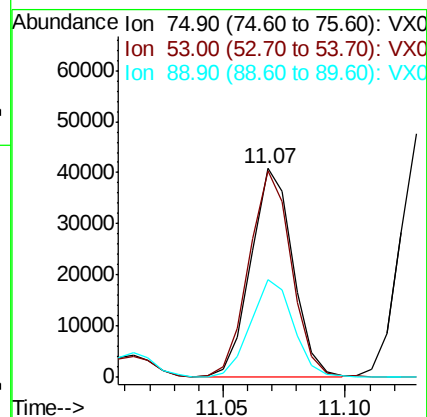
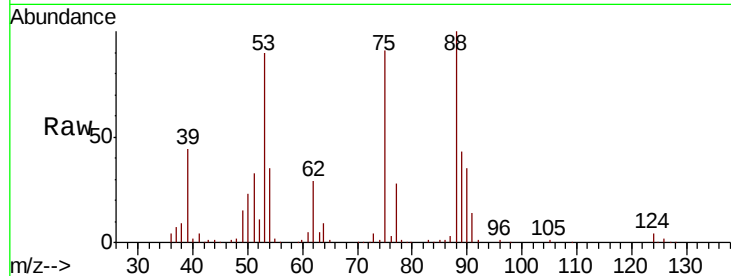
75 100

53 100.2 83.6 125.4

89 47.8 36.3 54.5

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#82

4-Chlorotoluene

Concen: 48.716 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012827.D

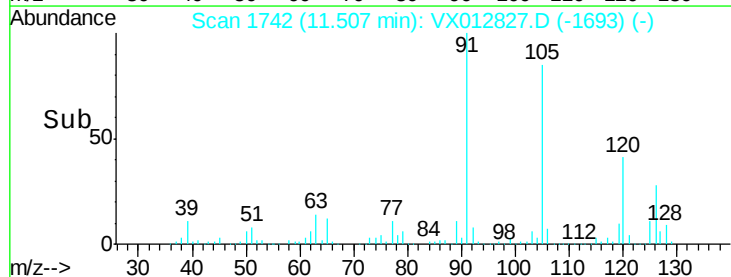
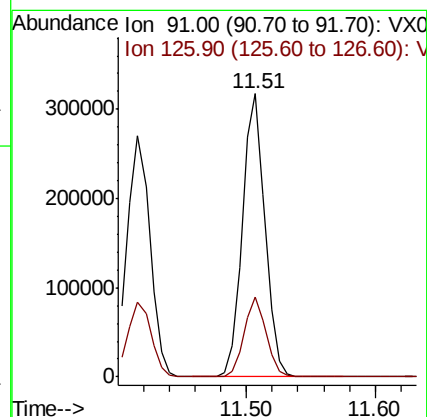
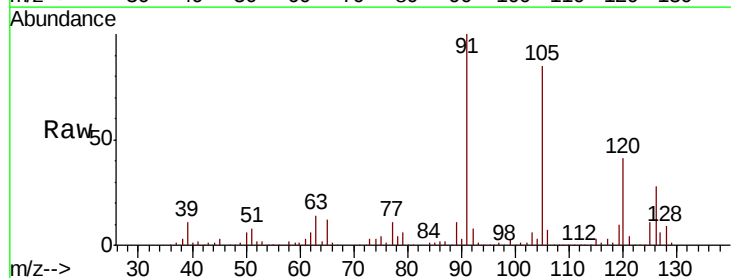
Acq: 04 Oct 2019 21:14

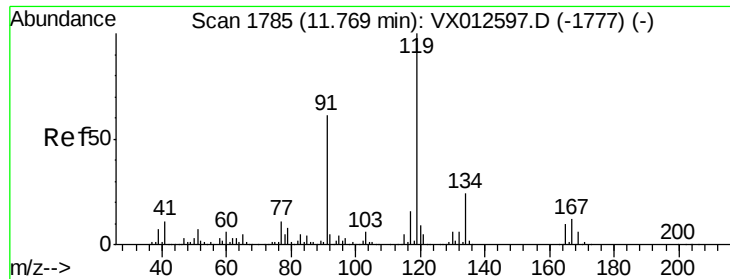
Tgt Ion: 91 Resp: 384903

Ion Ratio Lower Upper

91 100

126 27.4 14.4 43.0





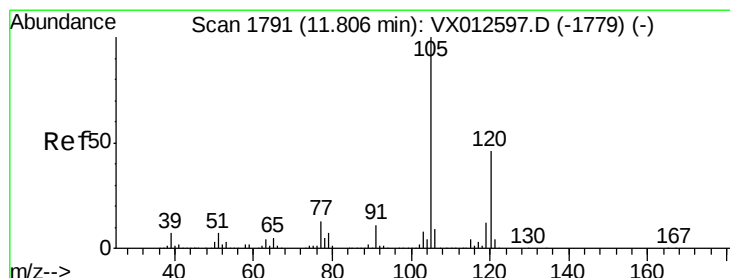
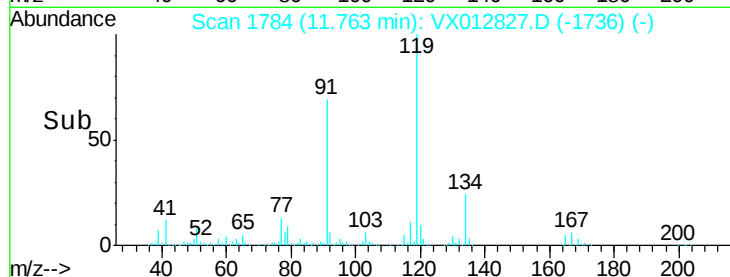
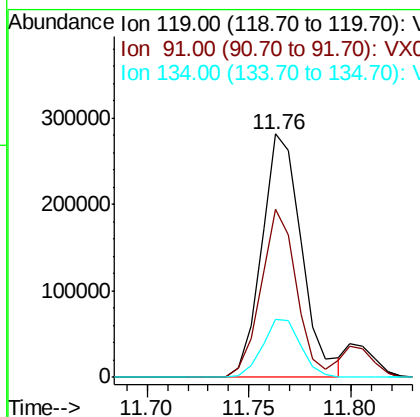
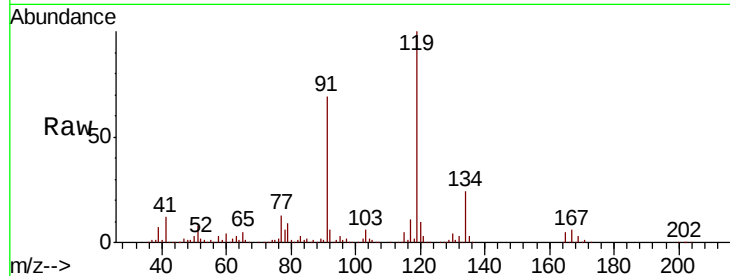
#83  
tert-Butylbenzene  
Concen: 48.048 ug/l  
RT: 11.76 min Scan# 1784  
Delta R.T. -0.01 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 383572 |       |       |
| 91      | 61.6  | 30.0   | 90.0  |       |
| 134     | 22.9  | 11.3   | 33.9  |       |

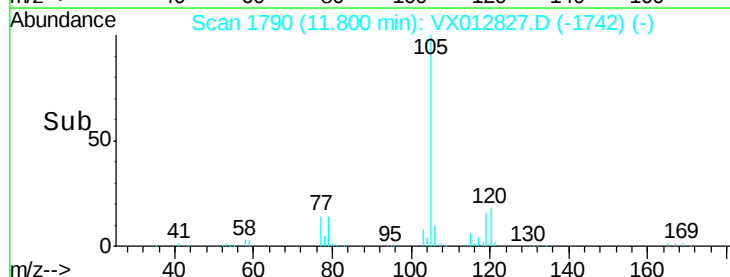
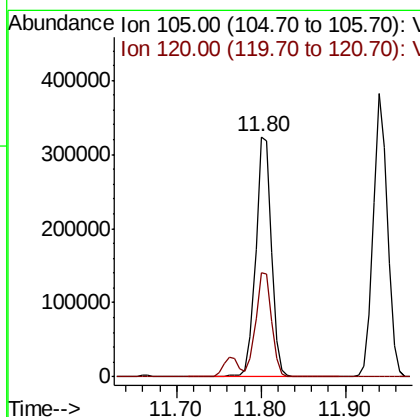
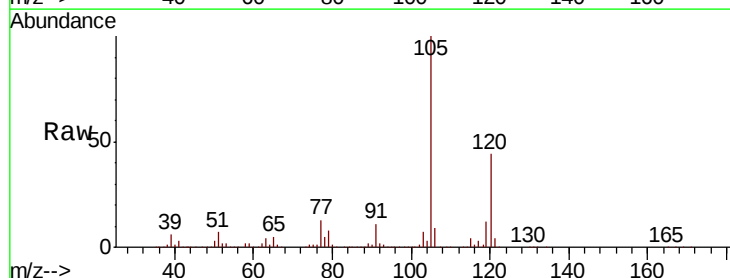
Manual Integrations  
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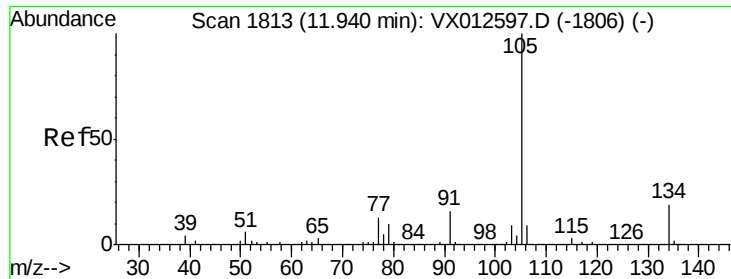
MMDadoda  
10/7/2019 9:26:42 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 48.935 ug/l  
RT: 11.80 min Scan# 1790  
Delta R.T. -0.01 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 408534 |       |       |
| 120     | 43.7  | 22.2   | 66.6  |       |





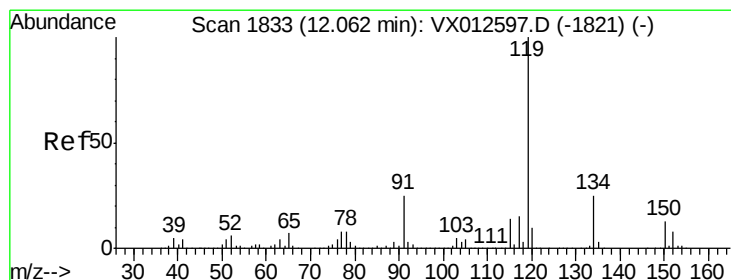
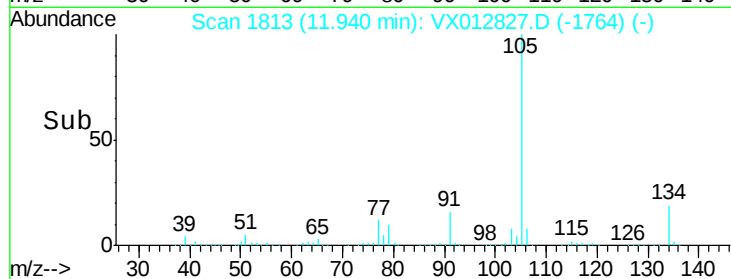
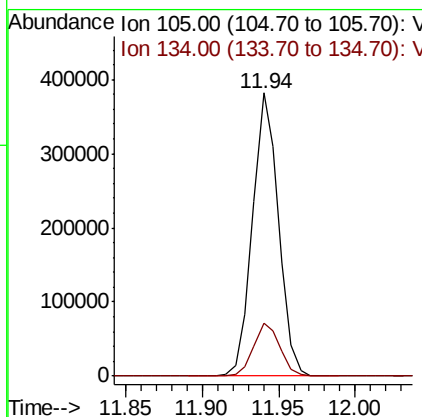
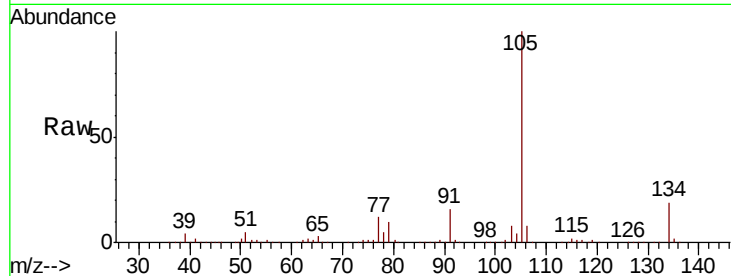
#85  
 sec-Butylbenzene  
 Concen: 48.553 ug/l  
 RT: 11.94 min Scan# 1813  
 Delta R.T. 0.00 min  
 Lab File: VX012827.D  
 Acq: 04 Oct 2019 21:14

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 18.8  | 9.8   | 29.4  |

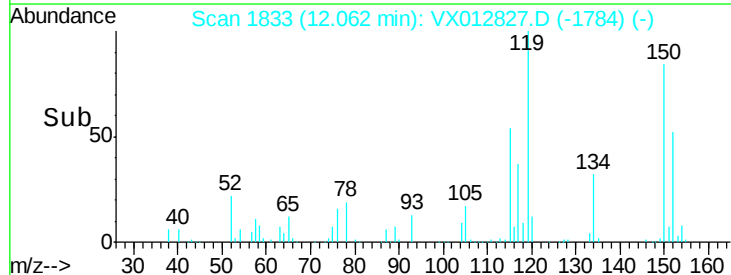
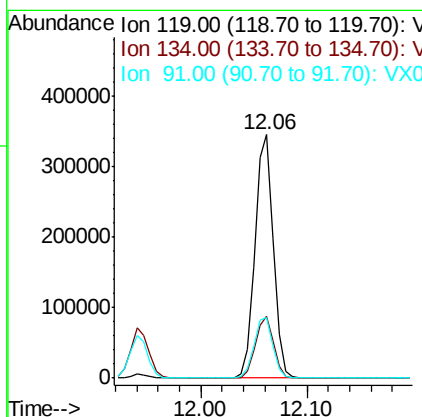
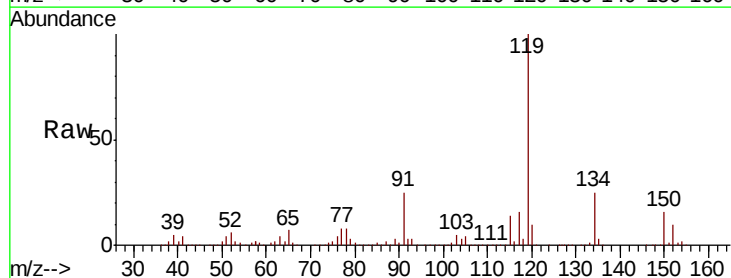
Manual Integrations  
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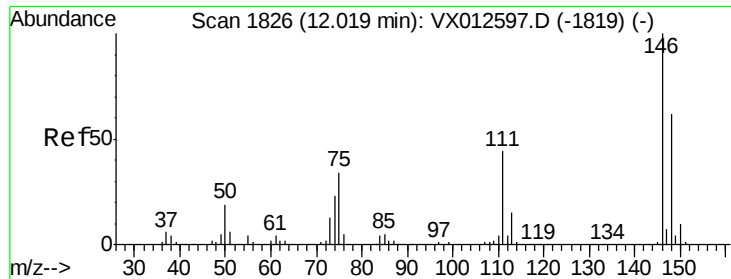
MMDadoda  
 10/7/2019 9:26:42 AM



#86  
 p-Isopropyltoluene  
 Concen: 49.859 ug/l  
 RT: 12.06 min Scan# 1833  
 Delta R.T. 0.00 min  
 Lab File: VX012827.D  
 Acq: 04 Oct 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.2  | 12.7  | 38.1  |
| 91      | 25.6  | 12.8  | 38.4  |





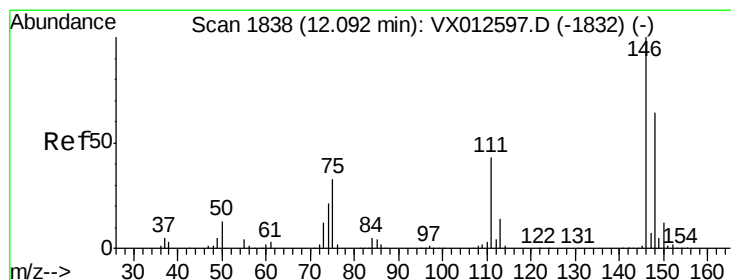
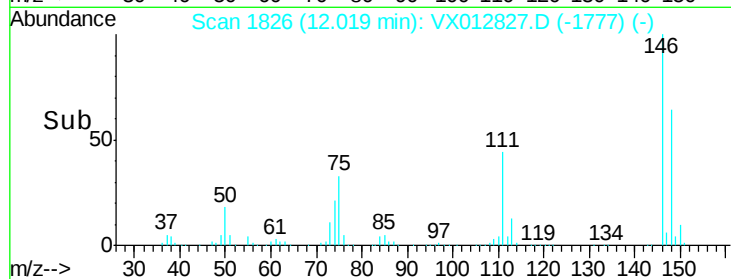
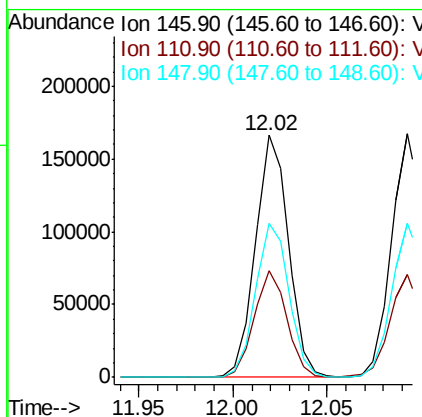
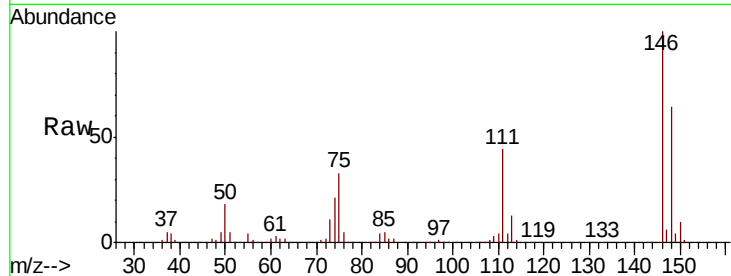
#87  
 1,3-Dichlorobenzene  
 Concen: 50.436 ug/l  
 RT: 12.02 min Scan# 1826  
 Delta R.T. 0.00 min  
 Lab File: VX012827.D  
 Acq: 04 Oct 2019 21:14

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.7  | 21.3  | 64.0  |
| 148     | 64.1  | 32.4  | 97.2  |

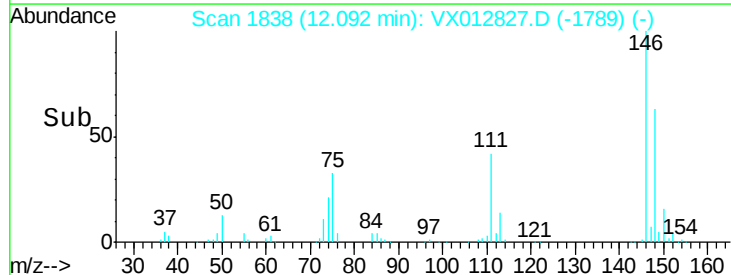
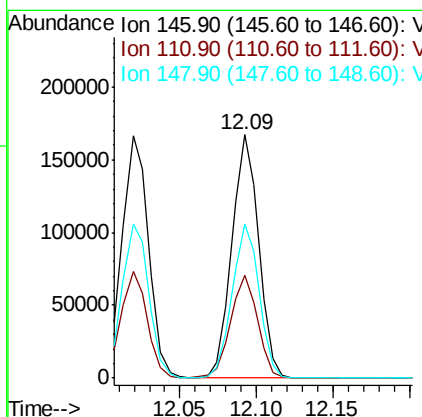
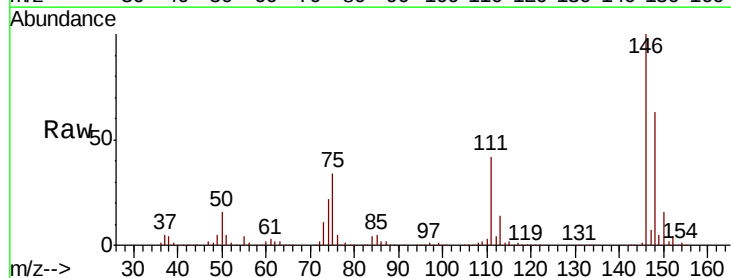
Manual Integrations  
 APPROVED

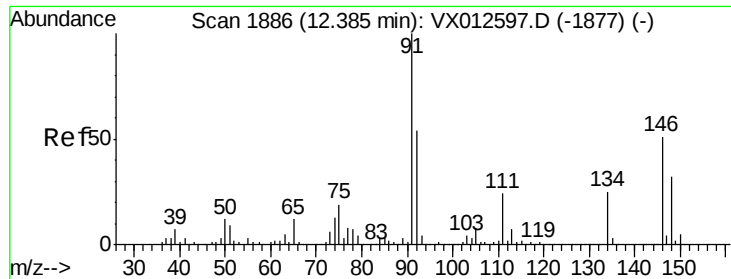
MMDadoda  
 10/7/2019 9:26:42 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 49.929 ug/l  
 RT: 12.09 min Scan# 1838  
 Delta R.T. 0.00 min  
 Lab File: VX012827.D  
 Acq: 04 Oct 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.6  | 21.1  | 63.3  |
| 148     | 63.8  | 32.1  | 96.5  |





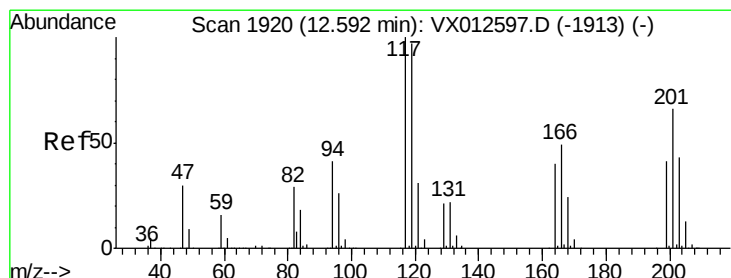
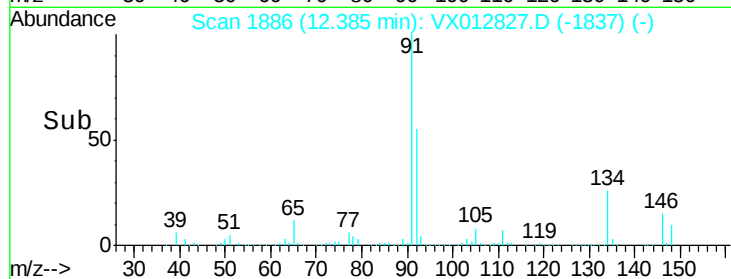
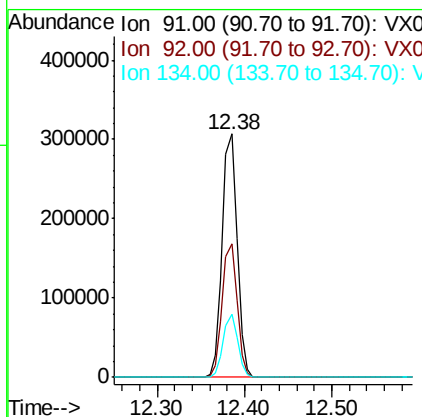
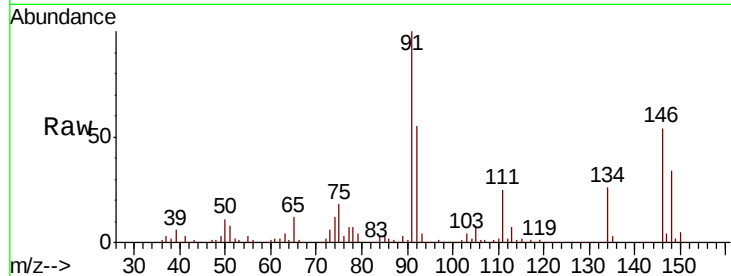
#89  
n-Butylbenzene  
Concen: 48.882 ug/l  
RT: 12.38 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 91      | 100  |       |      |       |       |
| 92      | 54.7 | 27.7  | 83.0 |       |       |
| 134     | 25.1 | 12.9  | 38.6 |       |       |

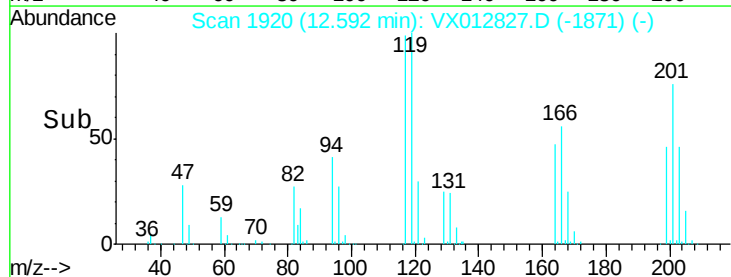
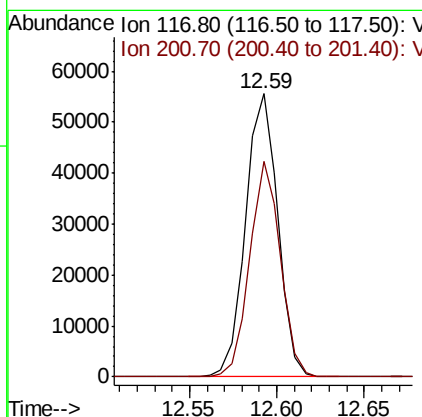
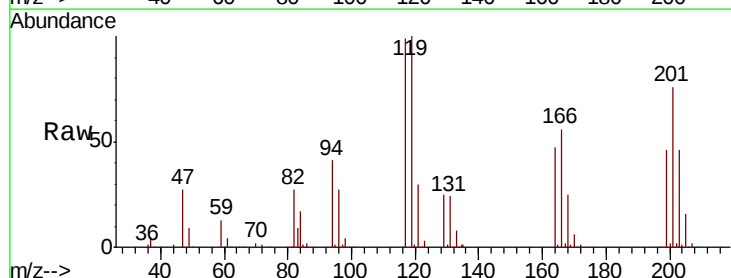
Manual Integrations  
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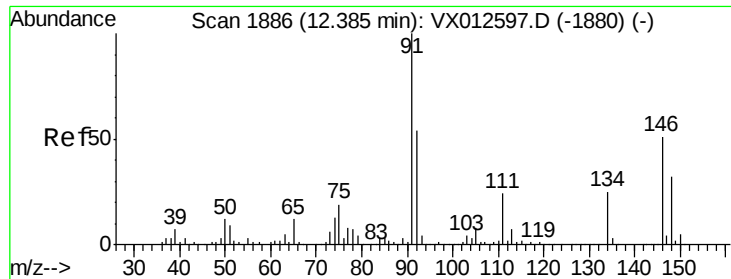
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#90  
Hexachloroethane  
Concen: 47.833 ug/l  
RT: 12.59 min Scan# 1920  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 117     | 100  |       |      |       |       |
| 201     | 72.6 | 33.3  | 99.8 |       |       |





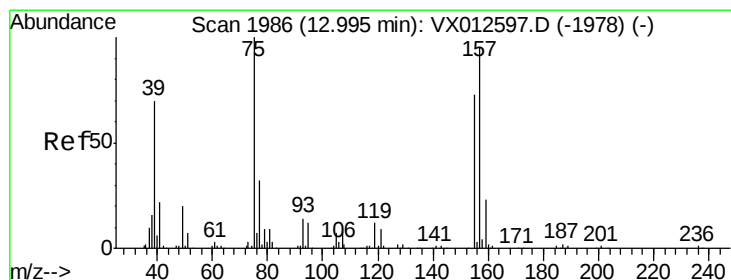
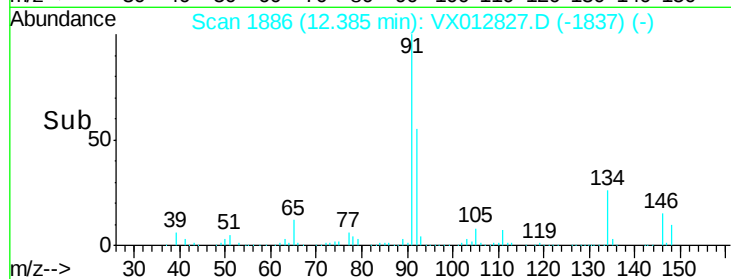
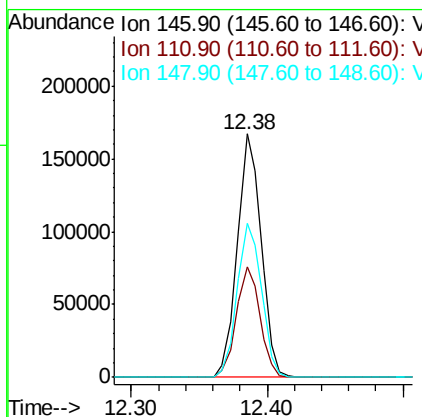
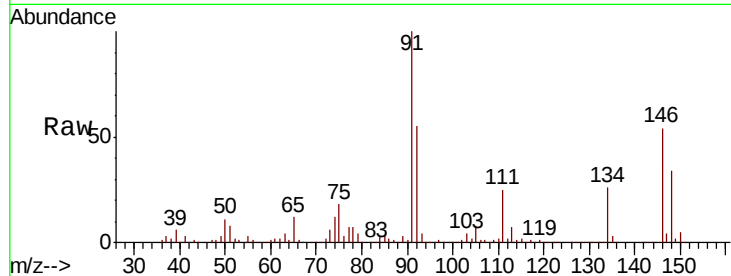
#91  
 1,2-Dichlorobenzene  
 Concen: 50.588 ug/l  
 RT: 12.38 min Scan# 1886  
 Delta R.T. 0.00 min  
 Lab File: VX012827.D  
 Acq: 04 Oct 2019 21:14

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 45.1  | 22.1  | 66.1  |
| 148     | 64.4  | 31.3  | 93.9  |

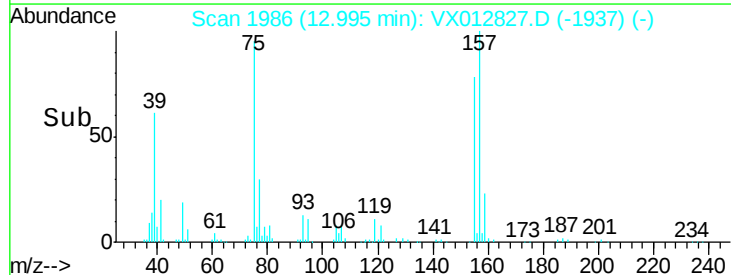
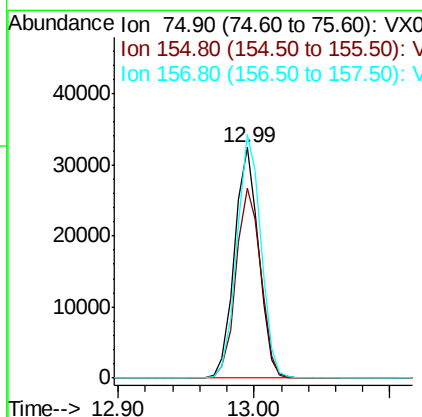
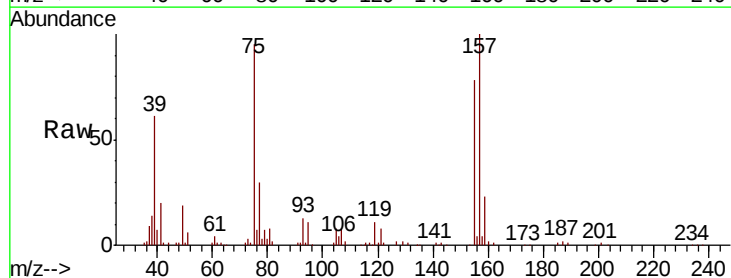
Manual Integrations  
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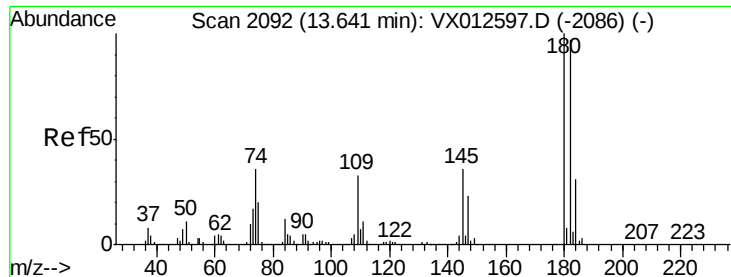
MMDadoda  
 10/7/2019 9:26:42 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 49.001 ug/l  
 RT: 12.99 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VX012827.D  
 Acq: 04 Oct 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 83.9  | 38.6  | 115.8 |
| 157     | 104.8 | 50.6  | 151.9 |





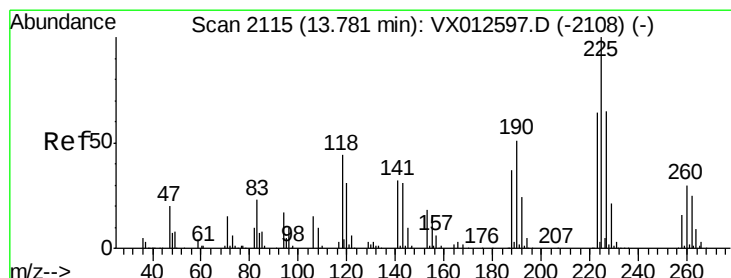
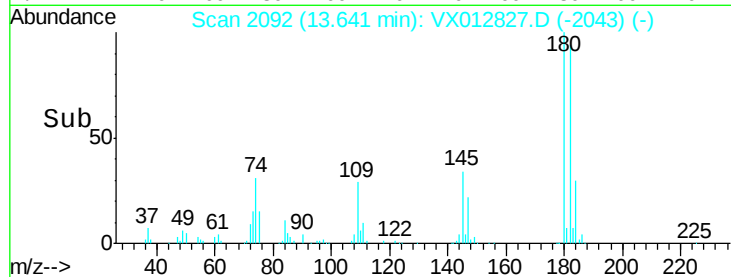
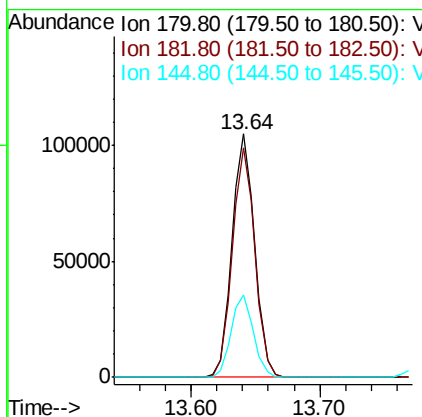
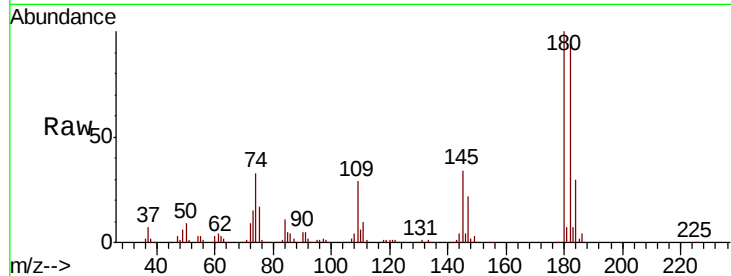
#93  
 1,2,4-Trichlorobenzene  
 Concen: 52.518 ug/l  
 RT: 13.64 min Scan# 2092  
 Delta R.T. 0.00 min  
 Lab File: VX012827.D  
 Acq: 04 Oct 2019 21:14

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 128887 |       |       |
| 182     | 93.9  | 47.0   | 141.0 |       |
| 145     | 33.5  | 16.8   | 50.4  |       |

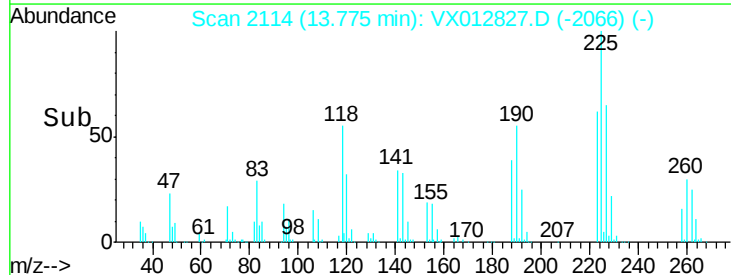
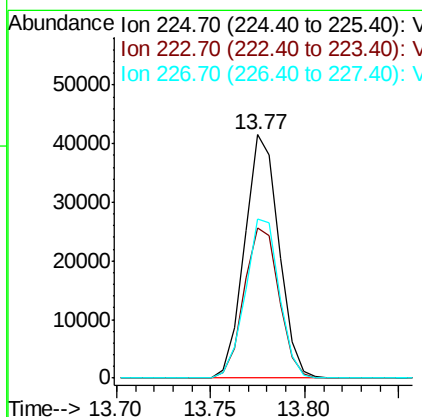
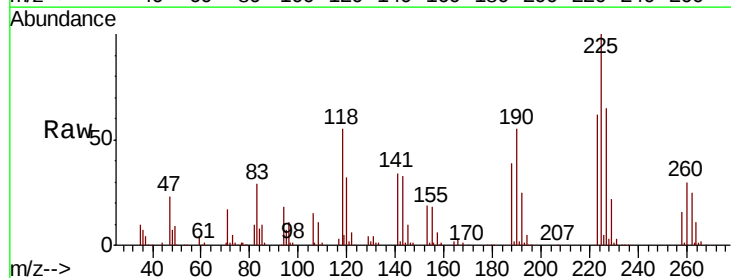
Manual Integrations  
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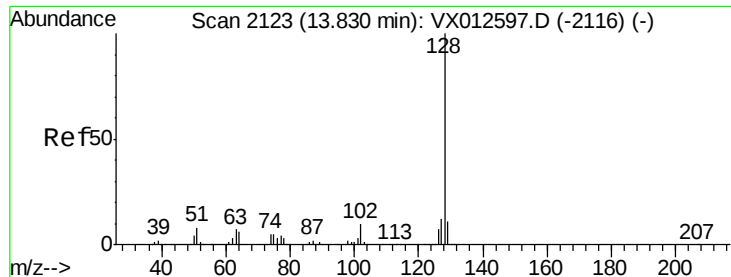
MMDadoda  
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#94  
 Hexachlorobutadiene  
 Concen: 49.565 ug/l  
 RT: 13.77 min Scan# 2114  
 Delta R.T. -0.01 min  
 Lab File: VX012827.D  
 Acq: 04 Oct 2019 21:14

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 52330 |       |       |
| 223     | 63.1  | 32.0  | 96.2  |       |
| 227     | 64.7  | 31.9  | 95.5  |       |





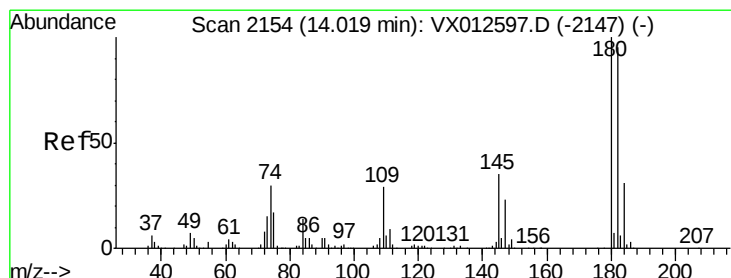
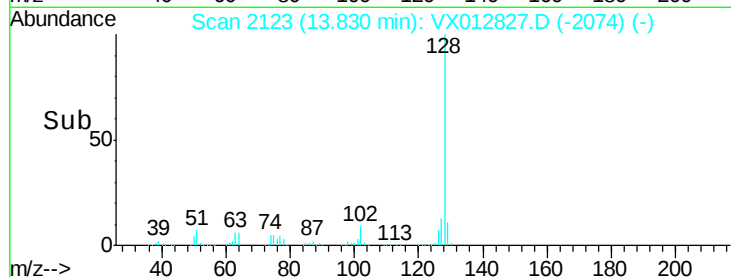
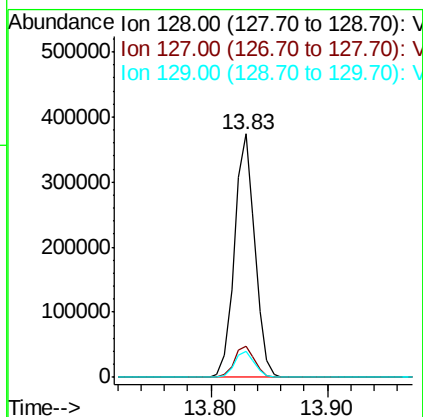
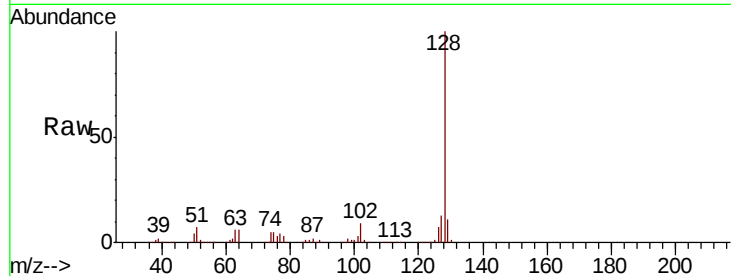
#95  
Naphthalene  
Concen: 51.041 ug/l  
RT: 13.83 min Scan# 2123  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.1  | 10.2  | 15.4  |
| 129     | 10.6  | 8.8   | 13.2  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 52.462 ug/l  
RT: 14.01 min Scan# 2153  
Delta R.T. 0.00 min  
Lab File: VX012827.D  
Acq: 04 Oct 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.2  | 47.1  | 141.3 |
| 145     | 35.4  | 18.0  | 54.0  |

