

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\  
 Data File : VN055658.D  
 Acq On : 18 May 2019 11:11  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 66 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 5/20/2019 9:08:07 AM

Quant Time: May 20 04:01:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N051719W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 17 23:54:12 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 314298   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 495544   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 439977   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 211480   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 177023   | 51.38 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.76% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 163306   | 51.88 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.76% |      |
| 50) Toluene-d8            | 10.09  | 98  | 606158   | 50.93 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.86% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 213168   | 51.86 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.72% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 109962  | 45.472  | ug/l | 99     |
| 3) Chloromethane              | 2.06 | 50  | 150148  | 46.550  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.18 | 62  | 167353  | 47.915  | ug/l | 98     |
| 5) Bromomethane               | 2.57 | 94  | 111585  | 50.130  | ug/l | 100    |
| 6) Chloroethane               | 2.71 | 64  | 98123   | 50.597  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 3.03 | 101 | 219501  | 49.042  | ug/l | 98     |
| 8) Diethyl Ether              | 3.41 | 74  | 90450   | 50.305  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.77 | 101 | 126525  | 46.369  | ug/l | 99     |
| 10) Methyl Iodide             | 3.96 | 142 | 187291  | 47.611  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.77 | 59  | 137037  | 213.289 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 137782  | 48.002  | ug/l | 99     |
| 13) Acrolein                  | 3.61 | 56  | 68121   | 208.086 | ug/l | 100    |
| 14) Allyl chloride            | 4.33 | 41  | 187112  | 40.380  | ug/l | 92     |
| 15) Acrylonitrile             | 4.99 | 53  | 354789  | 248.201 | ug/l | 100    |
| 16) Acetone                   | 3.81 | 43  | 280960  | 199.826 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.06 | 76  | 369525  | 46.310  | ug/l | 100    |
| 18) Methyl Acetate            | 4.32 | 43  | 145390  | 48.233  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.04 | 73  | 475038  | 50.026  | ug/l | 98     |
| 20) Methylene Chloride        | 4.56 | 84  | 155681  | 48.518  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96  | 148309  | 48.503  | ug/l | 100    |
| 22) Diisopropyl ether         | 5.95 | 45  | 443928  | 48.347  | ug/l | 99     |
| 23) Vinyl Acetate             | 5.90 | 43  | 1886944 | 242.189 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 269598  | 50.075  | ug/l | 100    |
| 25) 2-Butanone                | 6.83 | 43  | 451769  | 229.800 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 106714  | 22.333  | ug/l | 93     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 174166  | 48.915  | ug/l | 94     |
| 28) Bromochloromethane        | 7.20 | 49  | 119317  | 50.941  | ug/l | 97     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 306160  | 235.066 | ug/l | 98     |
| 30) Chloroform                | 7.37 | 83  | 271354  | 49.100  | ug/l | 99     |
| 31) Cyclohexane               | 7.66 | 56  | 231015  | 45.211  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 242645  | 48.951  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.80 | 75  | 202431  | 45.819  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.93 | 43  | 197126  | 49.445  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 217365  | 46.041  | ug/l | 99     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 66 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 5/20/2019 9:08:07 AM

Quant Time: May 20 04:01:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N051719W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 17 23:54:12 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 227681   | 42.750  | ug/l   | 99       |
| 40) Benzene                    | 8.04  | 78   | 620463   | 47.747  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.18  | 41   | 96516m   | 56.624  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 204615   | 48.625  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.16  | 43   | 362598   | 52.286  | ug/l   | 97       |
| 44) Trichloroethene            | 8.84  | 130  | 182100   | 49.661  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 162137   | 47.362  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 109209   | 48.741  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.40  | 83   | 224269   | 47.758  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 150786   | 48.645  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 53668    | 871.329 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 940485   | 231.195 | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 392022   | 48.097  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 222196   | 43.963  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 241096   | 43.543  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 162091   | 48.307  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 248667   | 47.473  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 259886   | 48.902  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 528134   | 237.296 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 659431   | 230.246 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 192517   | 50.623  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 165930   | 49.423  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 178930   | 51.561  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 426715   | 47.951  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 172043   | 48.056  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 740588   | 46.716  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 562304   | 93.926  | ug/l   | 98       |
| 69) o-Xylene                   | 11.95 | 106  | 275313   | 47.019  | ug/l   | 98       |
| 70) Styrene                    | 11.96 | 104  | 475576   | 48.848  | ug/l   | 98       |
| 71) Bromoform                  | 12.13 | 173  | 153524   | 50.603  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 720144   | 48.451  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 269938   | 45.457  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 224235   | 48.202  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 189936m  | 44.015  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 223207   | 51.392  | ug/l   | 82       |
| 78) n-propylbenzene            | 12.59 | 91   | 783207   | 41.704  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 474445   | 47.108  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 600984   | 47.294  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 57378    | 34.180  | ug/l   | 100      |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 474520   | 42.884  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 522316   | 48.444  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 598136   | 47.152  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 667757   | 47.106  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 606892   | 45.963  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 330054   | 45.961  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 321583   | 46.901  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 482513   | 41.579  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 122803   | 48.775  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 327552   | 45.757  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 43675    | 45.507  | ug/l   | 94       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 66 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
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Quant Title : SW846 8260  
QLast Update : Fri May 17 23:54:12 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 190328   | 52.233 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 100983   | 45.664 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 535487   | 48.740 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 193380   | 50.757 | ug/l  | 100      |

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

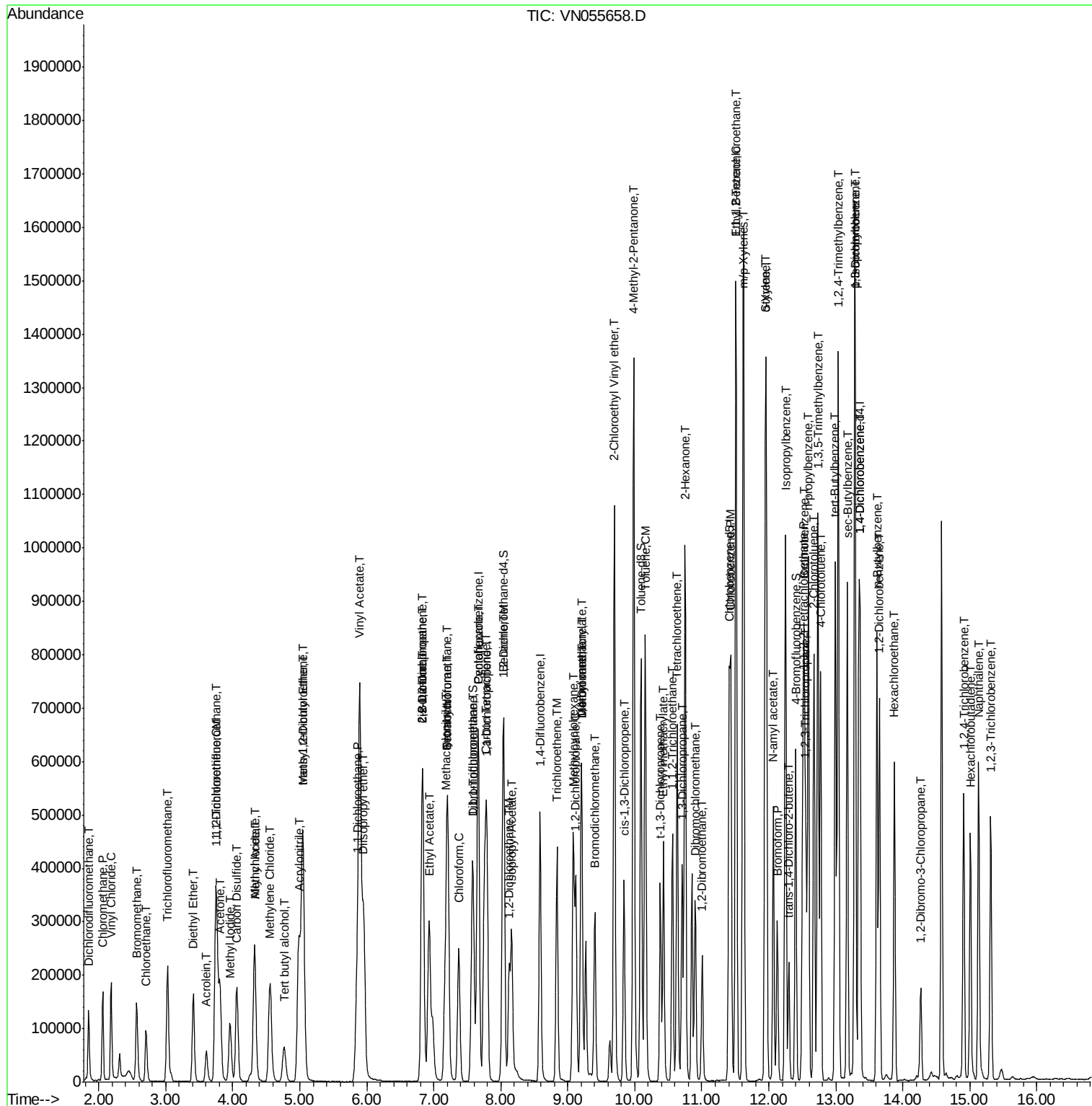
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Data File : VN055658.D  
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Operator : JC/SP  
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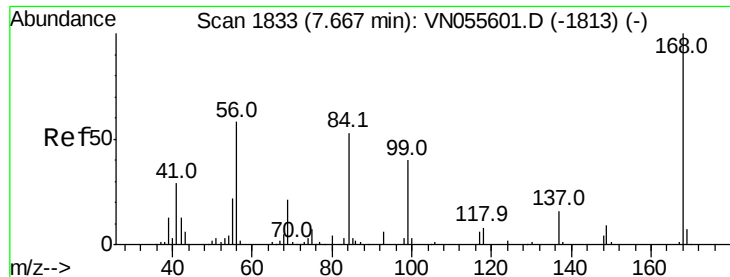
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 314298

Ion Ratio Lower Upper

168 100

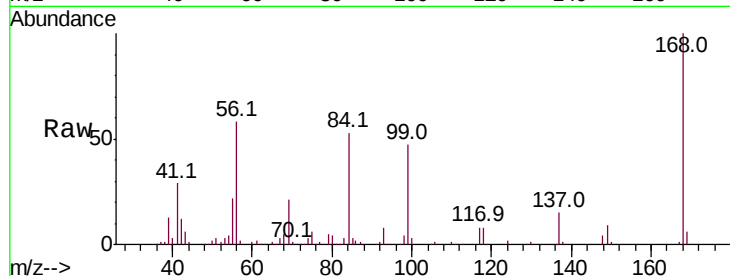
99 46.9 40.2 60.2

Manual Integrations

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5/20/2019 9:08:07 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

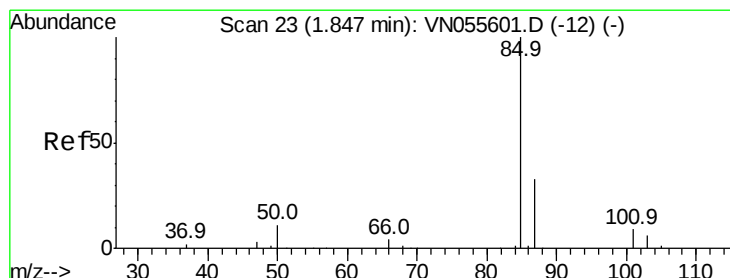
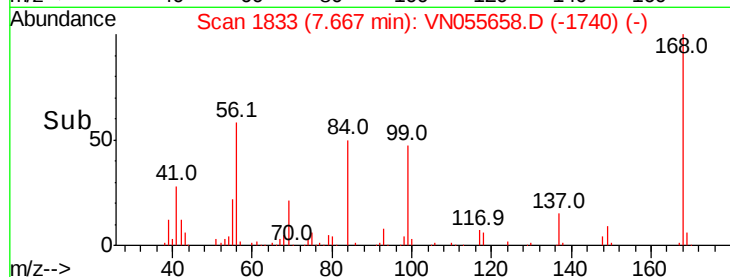
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.472 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055658.D

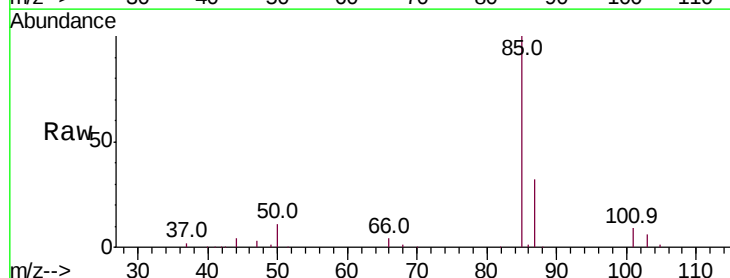
Acq: 18 May 2019 11:11

Tgt Ion: 85 Resp: 109962

Ion Ratio Lower Upper

85 100

87 32.4 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

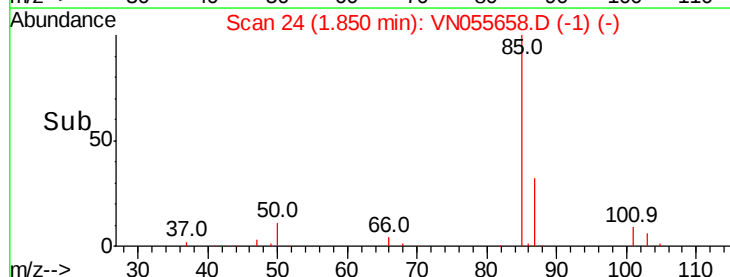
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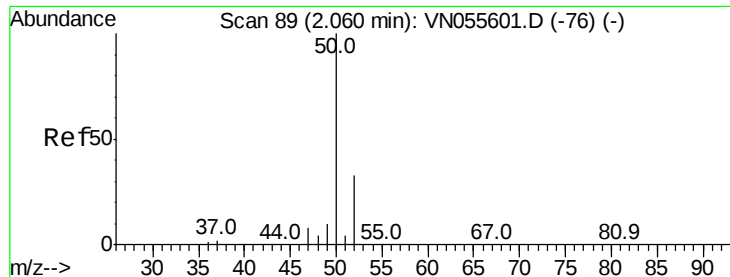
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20000

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Time-->





#3

Chloromethane

Concen: 46.550 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 150148

Ion Ratio Lower Upper

50 100

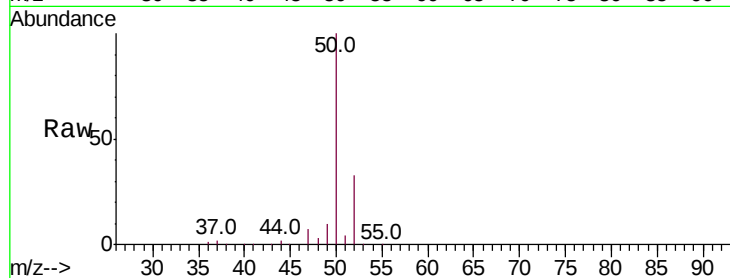
52 32.7 26.7 40.1

Manual Integrations

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5/20/2019 9:08:07 AM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

120000

100000

80000

60000

40000

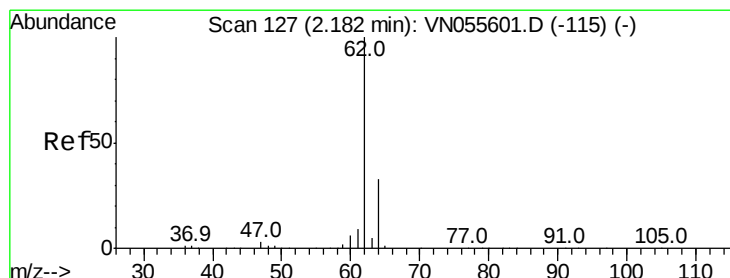
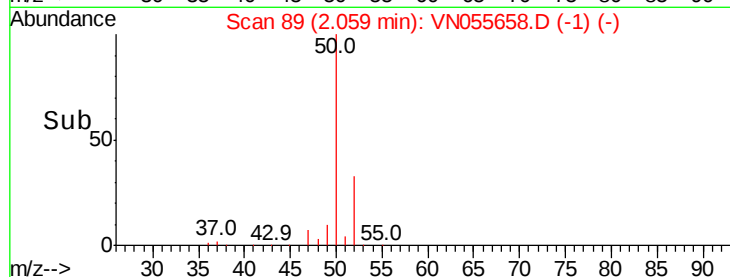
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0

2.06

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 47.915 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055658.D

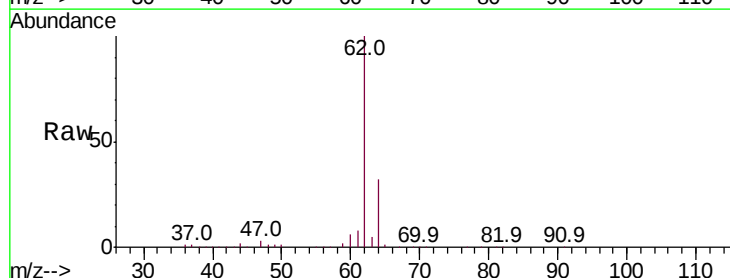
Acq: 18 May 2019 11:11

Tgt Ion: 62 Resp: 167353

Ion Ratio Lower Upper

62 100

64 31.7 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

120000

100000

80000

60000

40000

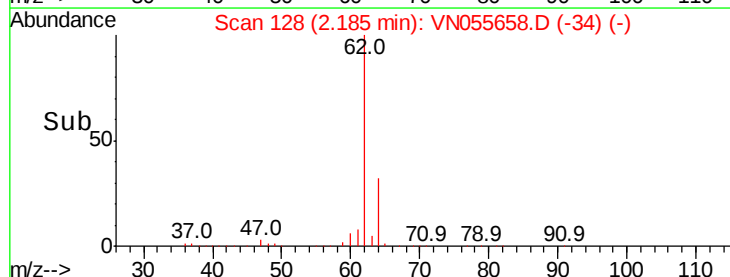
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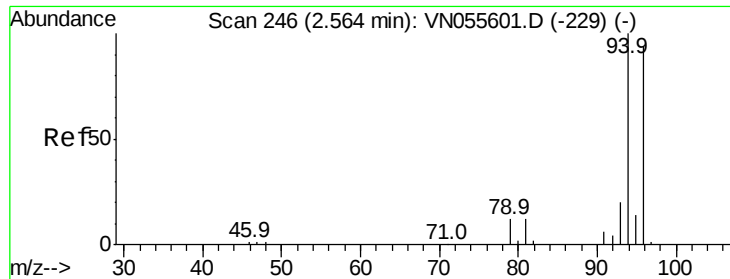
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2.18

2.10 2.15 2.20 2.25 2.30

Time-->





#5

Bromomethane

Concen: 50.130 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 111585

Ion Ratio Lower Upper

94 100

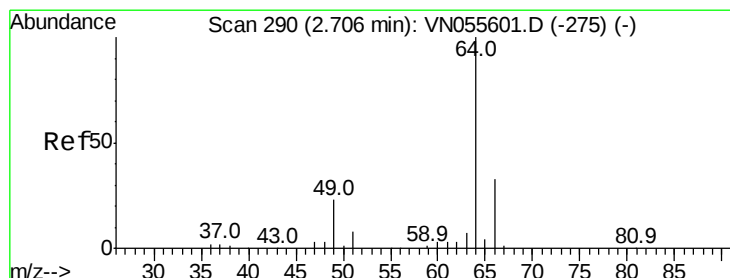
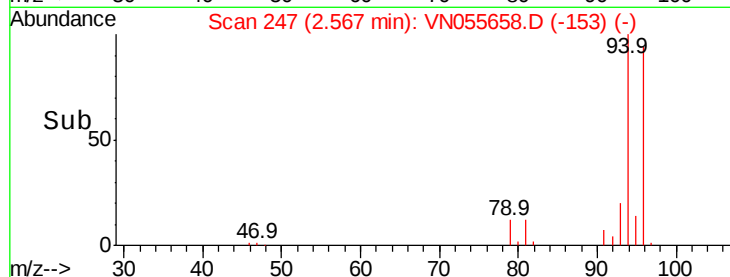
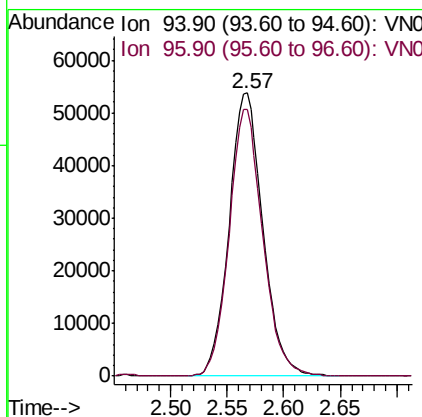
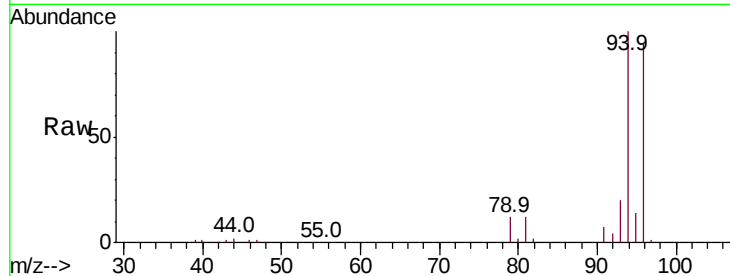
96 94.1 75.2 112.8

Manual Integrations

APPROVED

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5/20/2019 9:08:07 AM



#6

Chloroethane

Concen: 50.597 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN055658.D

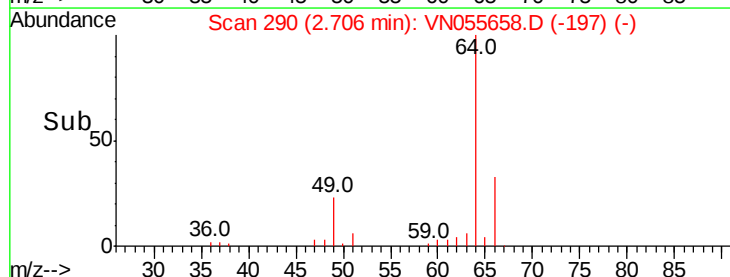
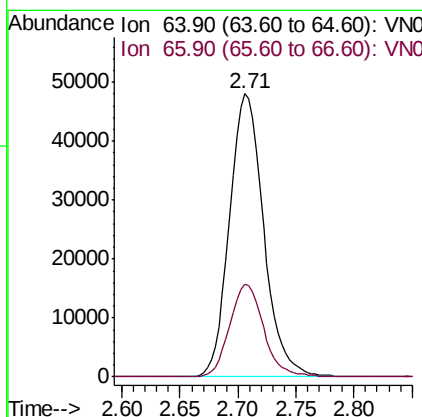
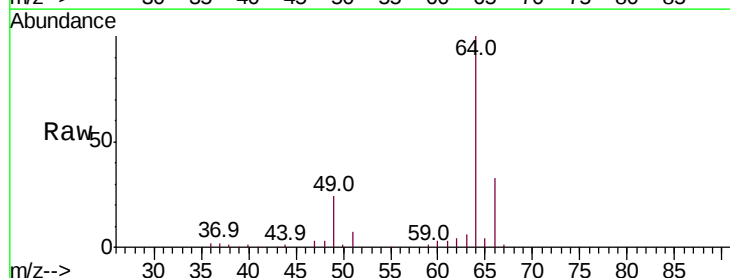
Acq: 18 May 2019 11:11

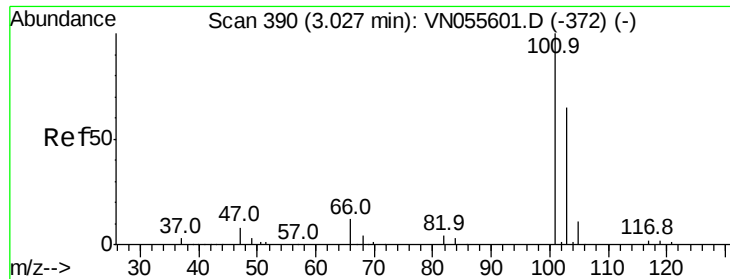
Tgt Ion: 64 Resp: 98123

Ion Ratio Lower Upper

64 100

66 32.7 26.2 39.4





#7

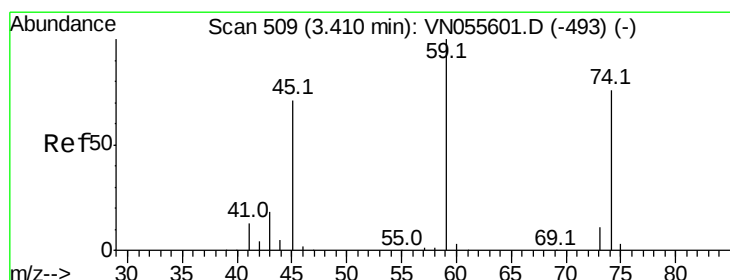
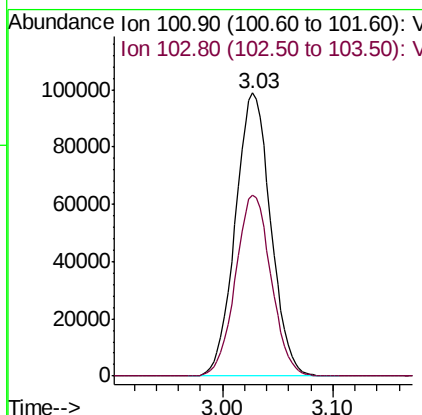
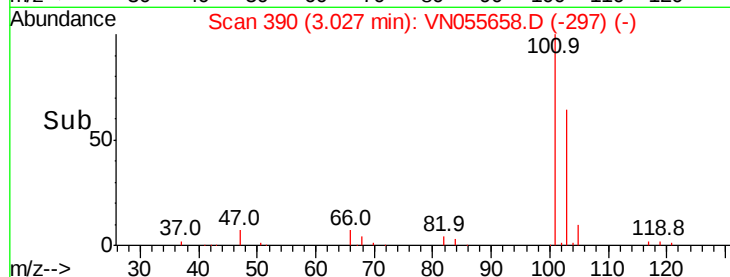
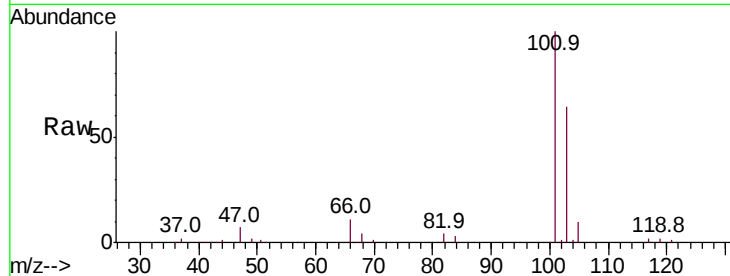
Trichlorofluoromethane  
 Concen: 49.042 ug/l  
 RT: 3.03 min Scan# 390  
 Delta R.T. -0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.1  | 52.3  | 78.5  |

Manual Integrations  
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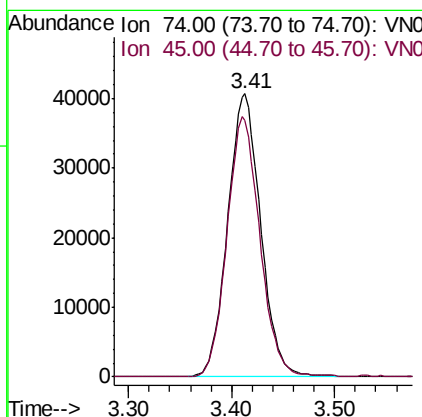
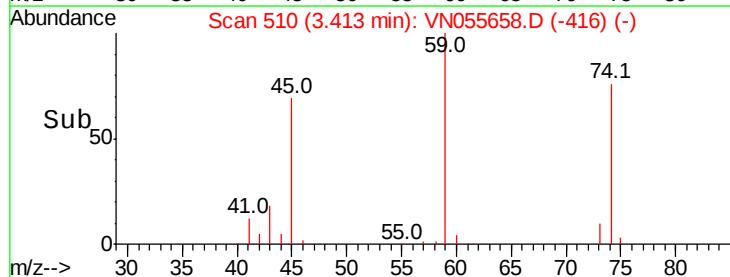
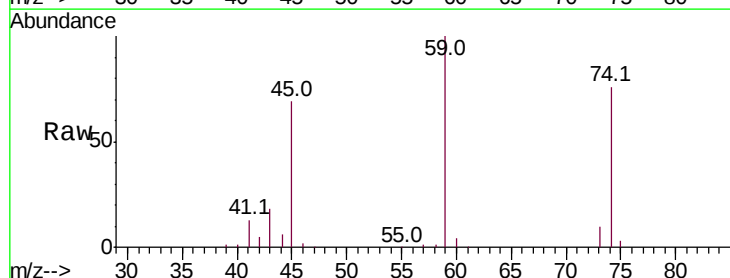
MMDadoda  
 5/20/2019 9:08:07 AM

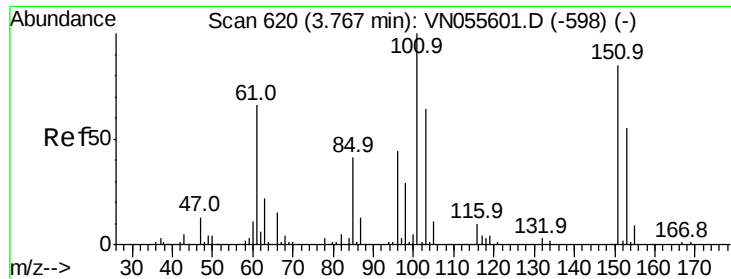


#8

Diethyl Ether  
 Concen: 50.305 ug/l  
 RT: 3.41 min Scan# 510  
 Delta R.T. 0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 91.8  | 46.4  | 139.2 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.369 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

Instrument :

MSVOA\_N

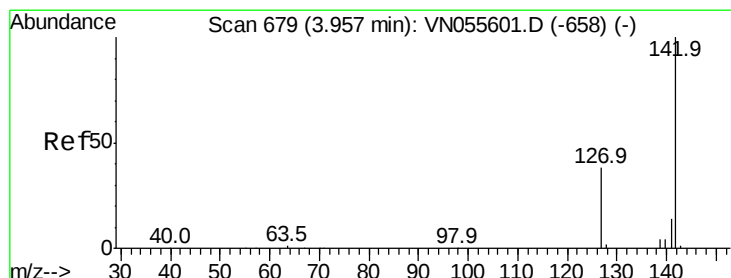
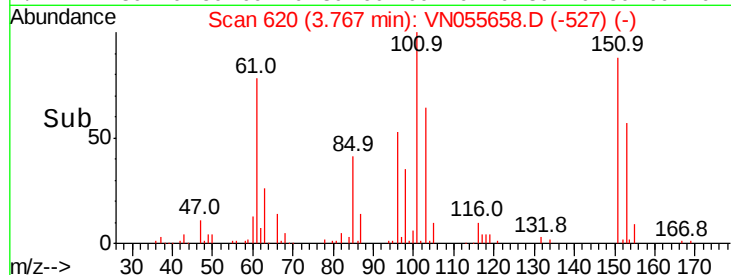
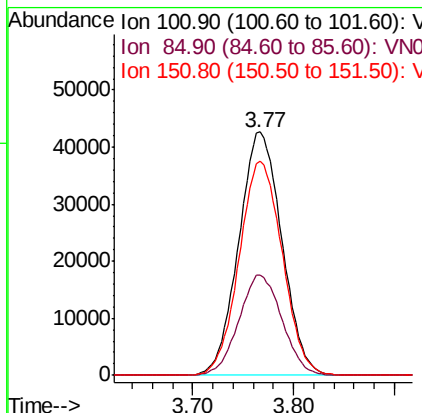
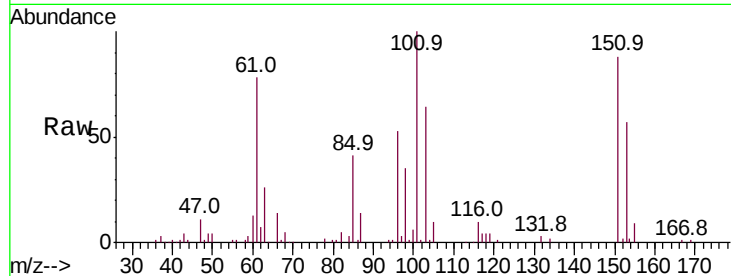
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 126525 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.1  | 33.4  | 50.0   |
| 151       | 88.1  | 69.3  | 103.9  |

Manual Integrations  
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MMDadoda  
5/20/2019 9:08:07 AM



#10

Methyl Iodide

Concen: 47.611 ug/l

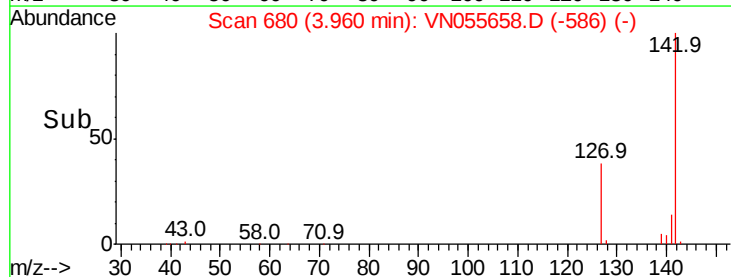
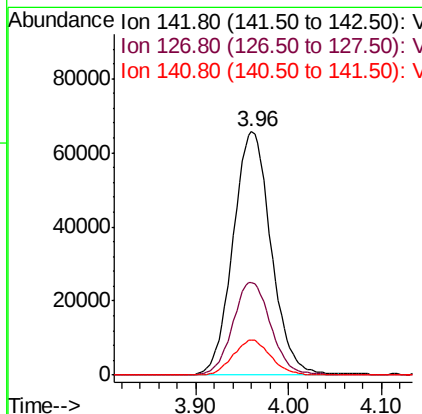
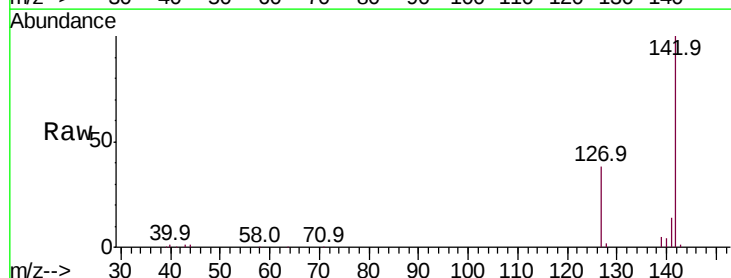
RT: 3.96 min Scan# 680

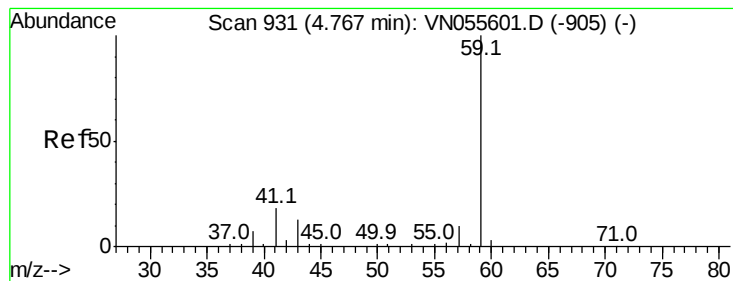
Delta R.T. 0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 187291 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 38.2  | 31.0  | 46.4   |
| 141       | 14.3  | 11.5  | 17.3   |





#11

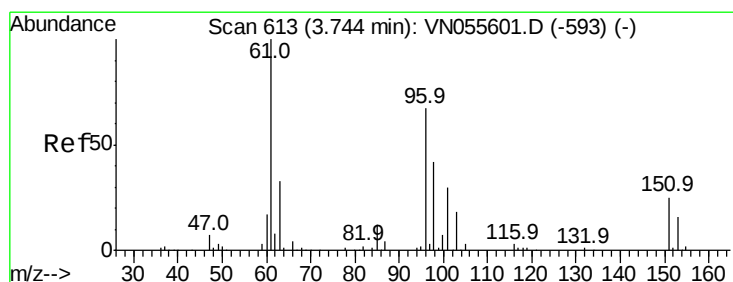
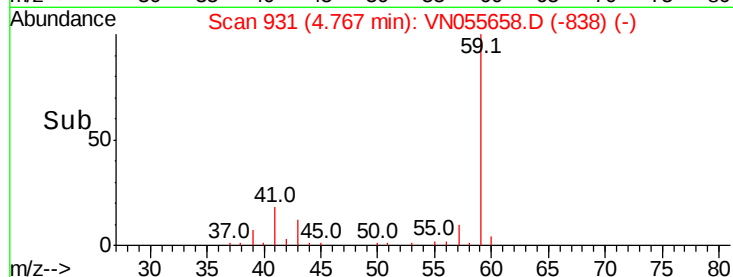
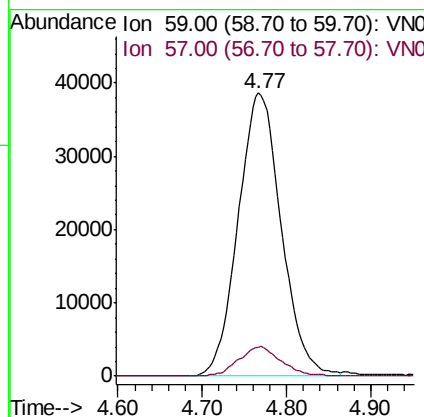
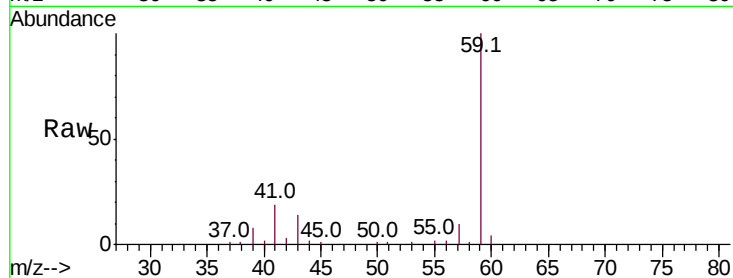
Tert butyl alcohol  
 Concen: 213.289 ug/l  
 RT: 4.77 min Scan# 931  
 Delta R.T. -0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | 59 | 57 | Ratio | 100 | 10.2 | Resp | 137037 | Lower | Upper |
|---------|----|----|-------|-----|------|------|--------|-------|-------|
|         |    |    |       |     |      |      |        |       |       |

Manual Integrations  
 APPROVED

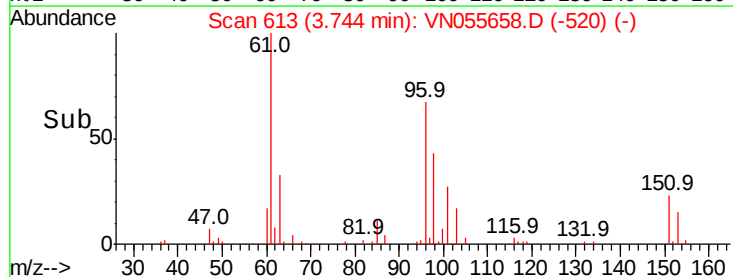
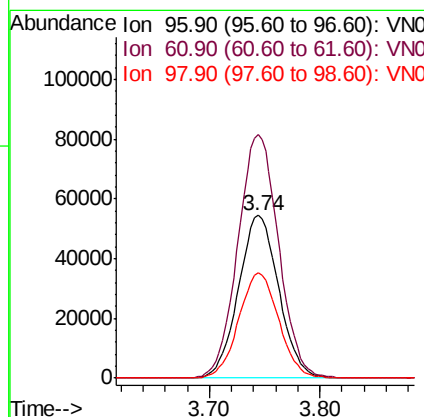
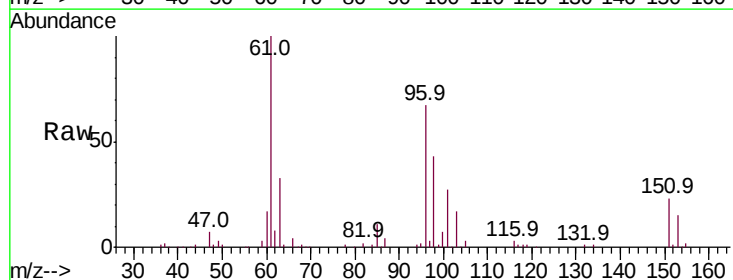
MMDadoda  
 5/20/2019 9:08:07 AM

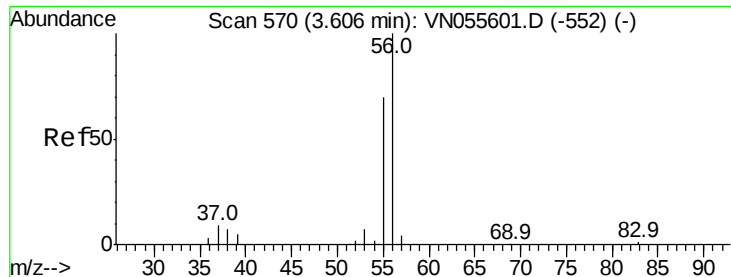


#12

1,1-Dichloroethene  
 Concen: 48.002 ug/l  
 RT: 3.74 min Scan# 613  
 Delta R.T. -0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

| Tgt Ion | 96 | 61 | 98 | Ratio | 100 | 149.6 | 64.9 | Resp | 137782 | Lower | Upper |
|---------|----|----|----|-------|-----|-------|------|------|--------|-------|-------|
|         |    |    |    |       |     |       |      |      |        |       |       |





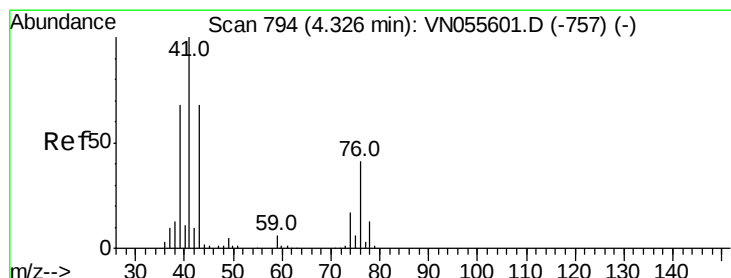
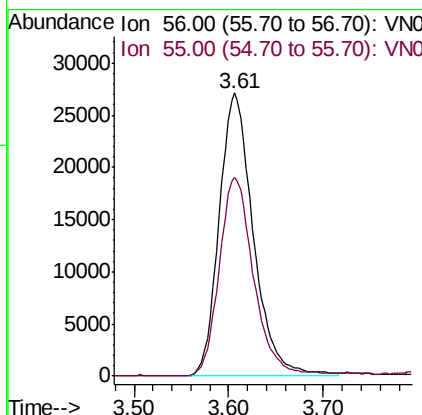
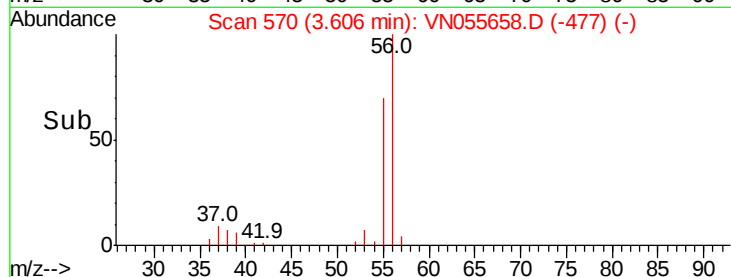
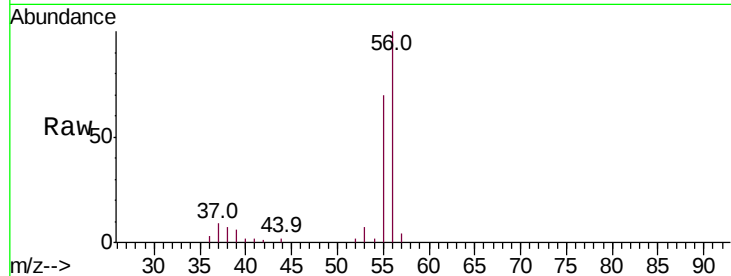
#13  
Acrolein  
Concen: 208.086 ug/l  
RT: 3.61 min Scan# 570  
Delta R.T. 0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 56 Resp: 68121  
Ion Ratio Lower Upper  
56 100  
55 70.9 56.5 84.7

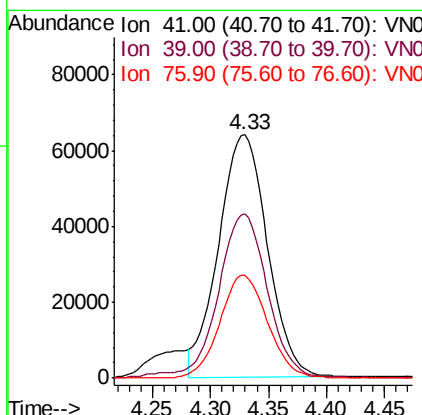
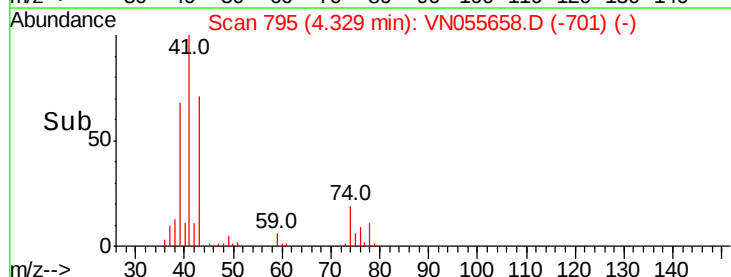
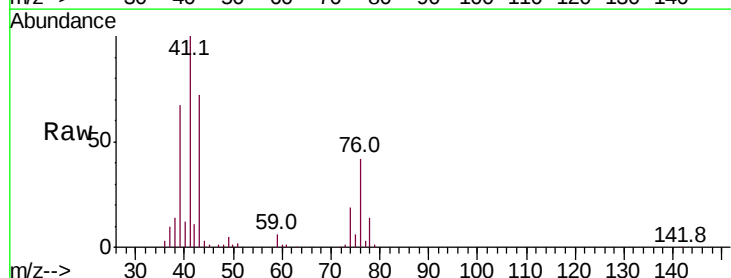
Manual Integrations  
APPROVED

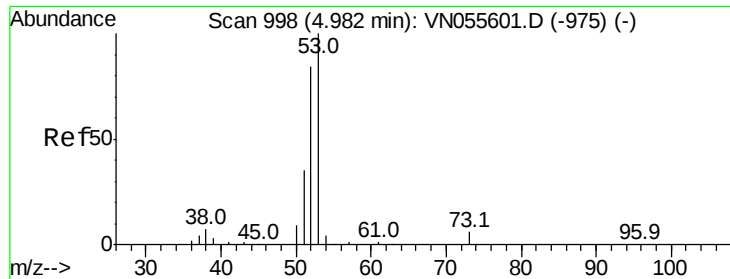
MMDadoda  
5/20/2019 9:08:07 AM



#14  
Allyl chloride  
Concen: 40.380 ug/l  
RT: 4.33 min Scan# 795  
Delta R.T. 0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Tgt Ion: 41 Resp: 187112  
Ion Ratio Lower Upper  
41 100  
39 68.9 50.5 75.7  
76 41.5 29.2 43.8





#15

Acrylonitrile

Concen: 248.201 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

Instrument :

MSVOA\_N

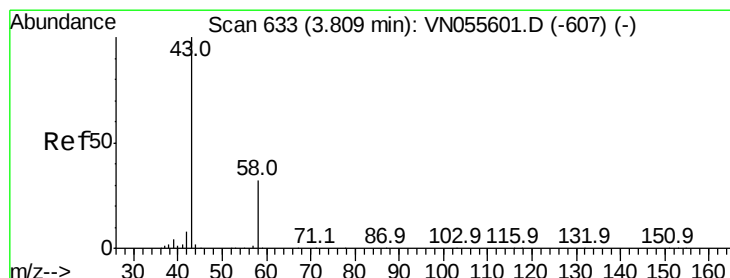
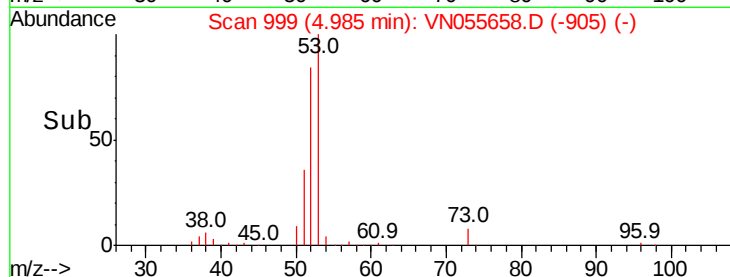
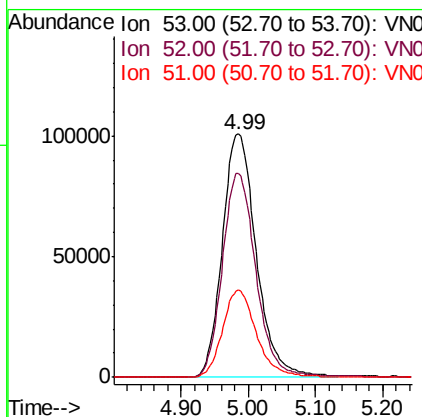
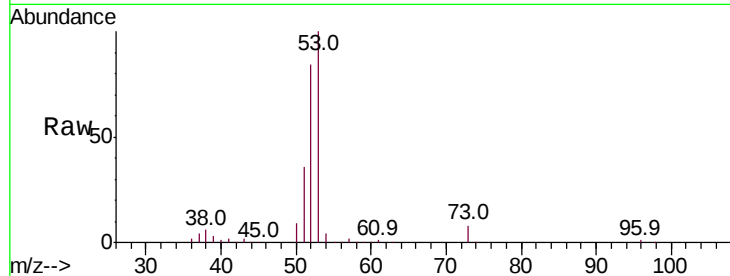
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 354789 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.9  | 66.2  | 99.4   |
| 51        | 35.8  | 28.5  | 42.7   |

Manual Integrations  
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#16

Acetone

Concen: 199.826 ug/l

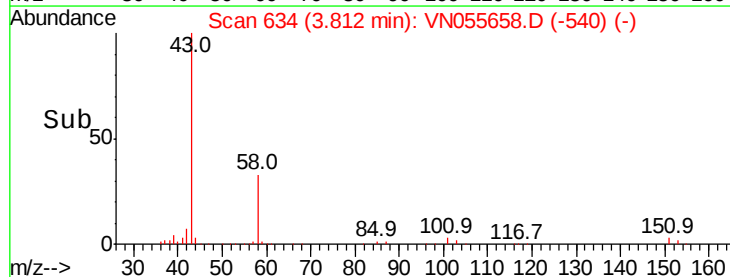
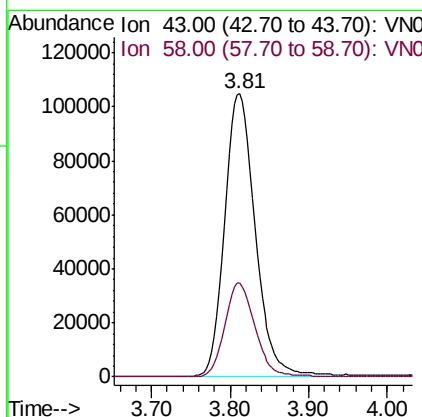
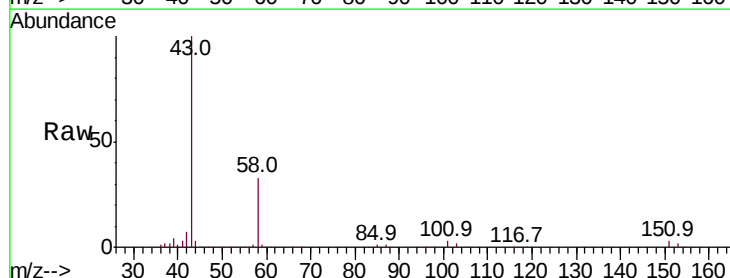
RT: 3.81 min Scan# 634

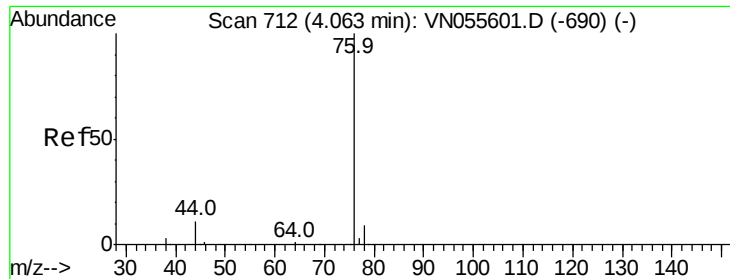
Delta R.T. 0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 280960 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 33.1  | 26.0  | 39.0   |





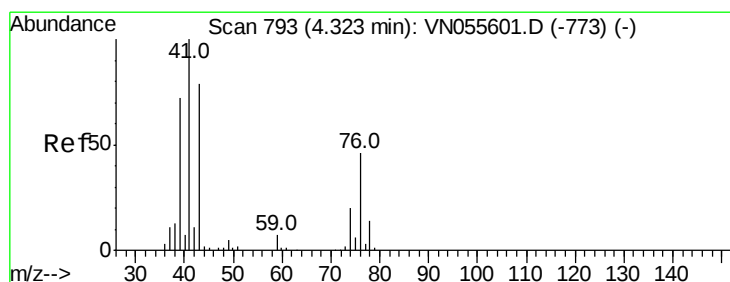
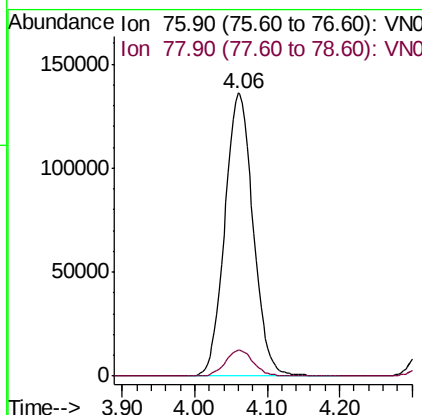
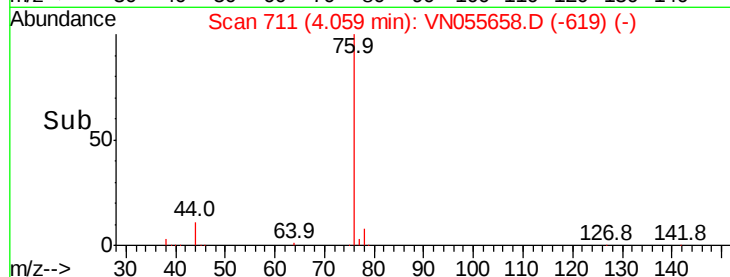
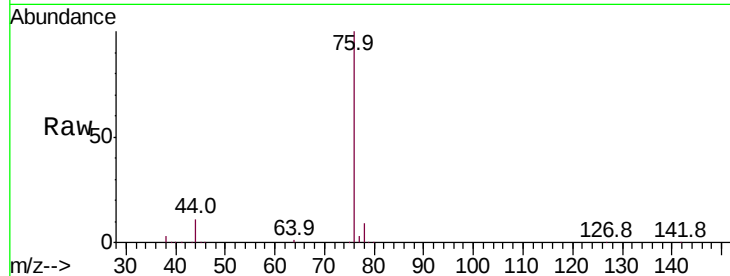
#17  
Carbon Disulfide  
Concen: 46.310 ug/l  
RT: 4.06 min Scan# 711  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.0   | 7.3   | 10.9  |

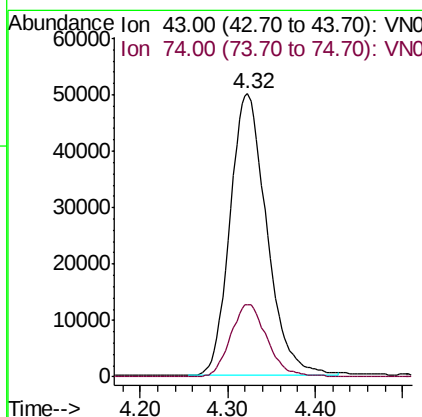
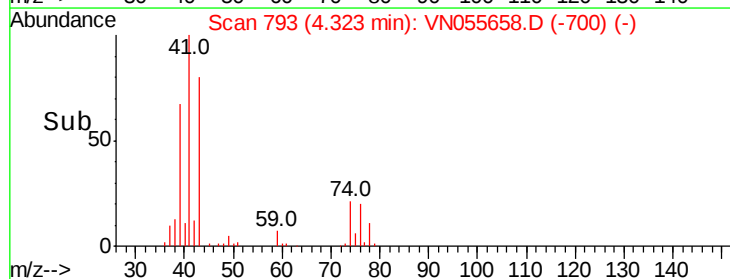
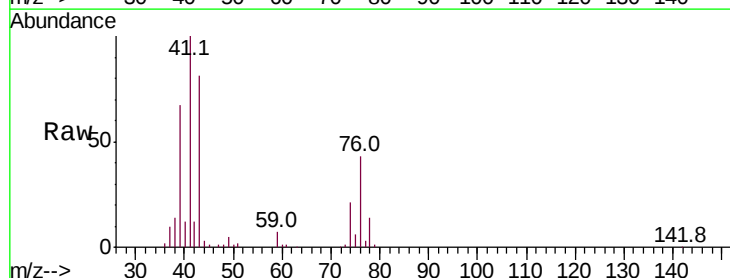
Manual Integrations  
APPROVED

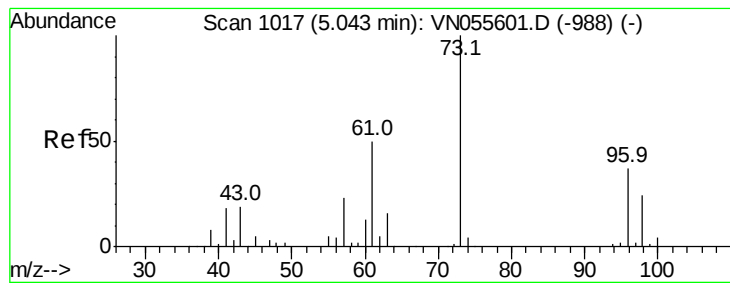
MMDadoda  
5/20/2019 9:08:07 AM



#18  
Methyl Acetate  
Concen: 48.233 ug/l  
RT: 4.32 min Scan# 793  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 25.8  | 19.9  | 29.9  |





#19

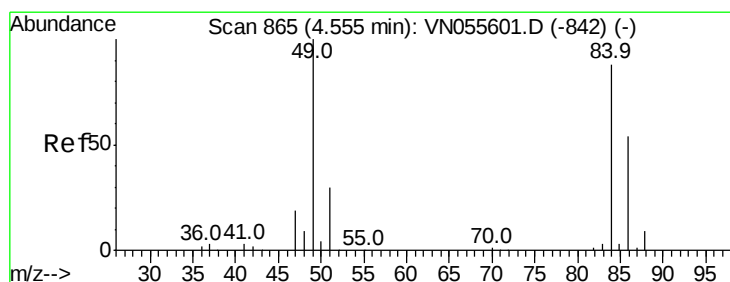
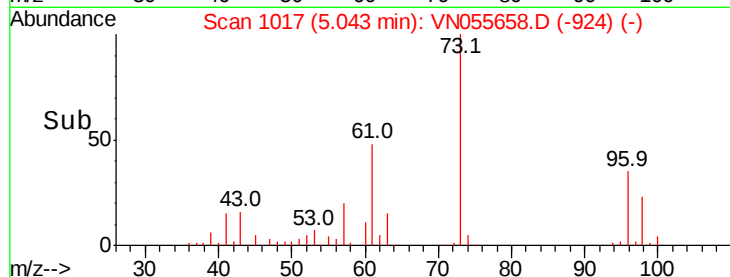
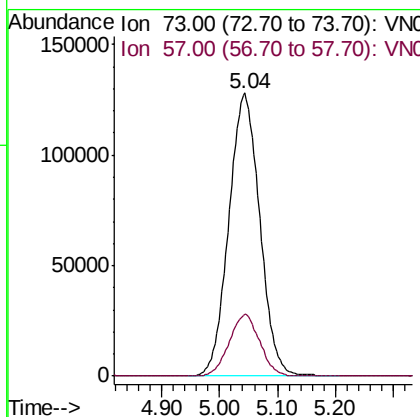
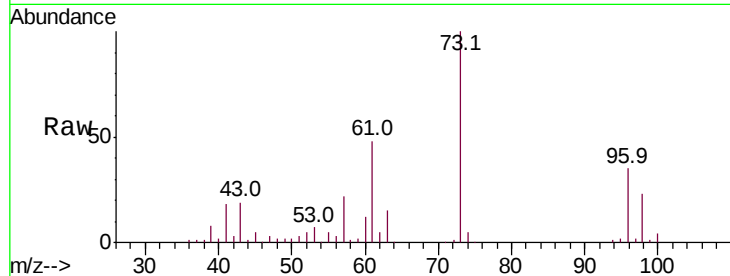
Methyl tert-butyl Ether  
 Concen: 50.026 ug/l  
 RT: 5.04 min Scan# 1017  
 Delta R.T. -0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 21.8  | 18.2  | 27.2  |

Manual Integrations  
 APPROVED

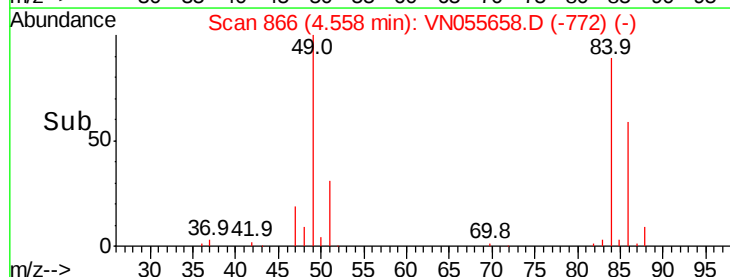
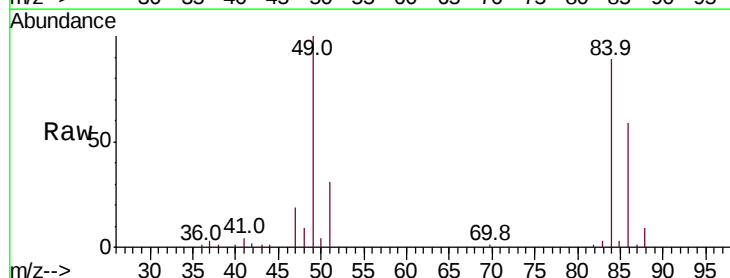
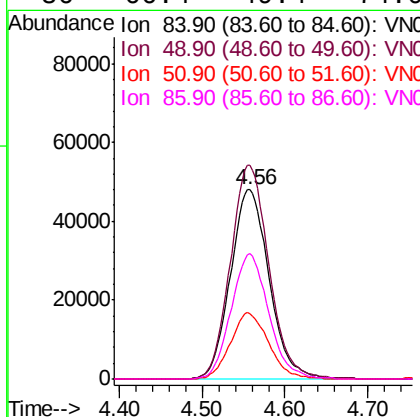
MMDadoda  
 5/20/2019 9:08:07 AM

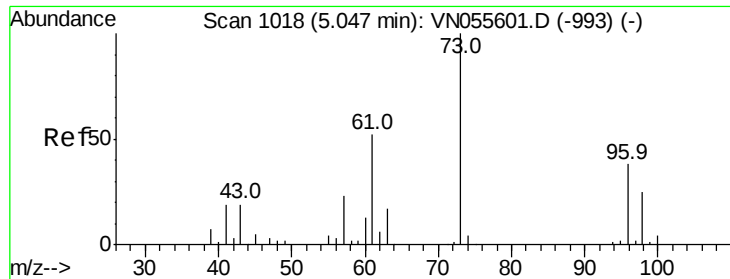


#20

Methylene Chloride  
 Concen: 48.518 ug/l  
 RT: 4.56 min Scan# 866  
 Delta R.T. 0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 112.8 | 91.0  | 136.4 |
| 51      | 34.8  | 27.5  | 41.3  |
| 86      | 66.4  | 49.4  | 74.0  |





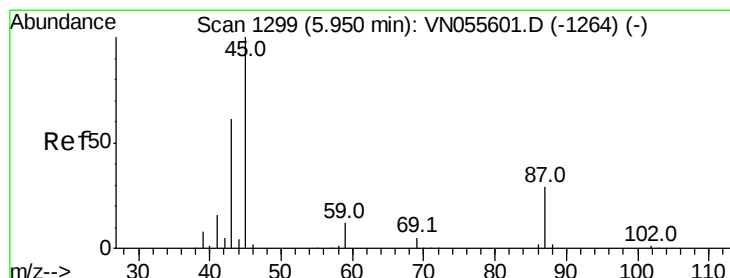
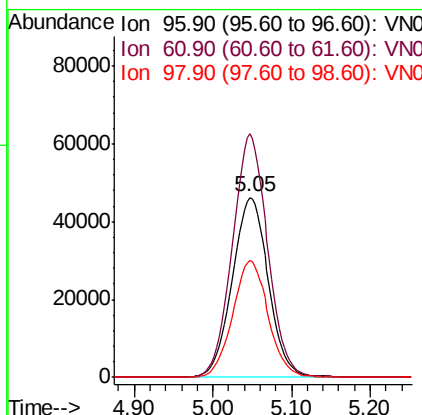
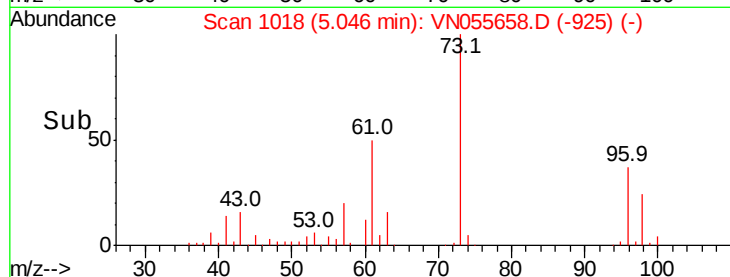
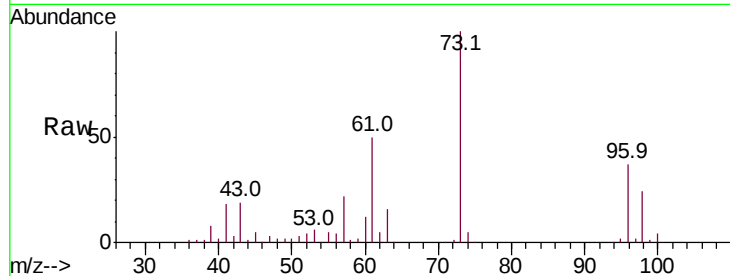
#21  
trans-1,2-Dichloroethene  
Concen: 48.503 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 135.3 | 108.6 | 162.8 |
| 98      | 64.6  | 51.4  | 77.0  |

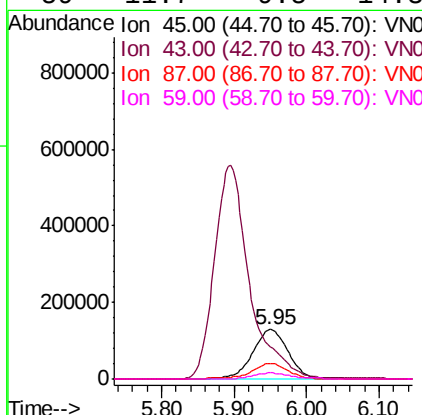
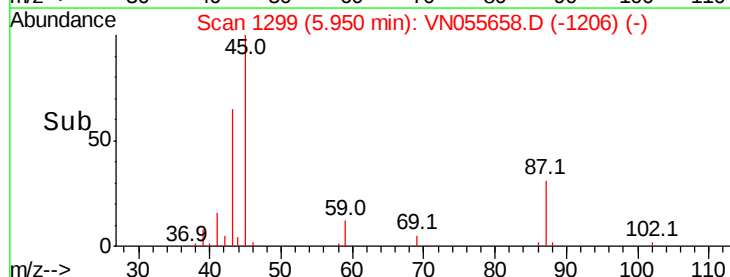
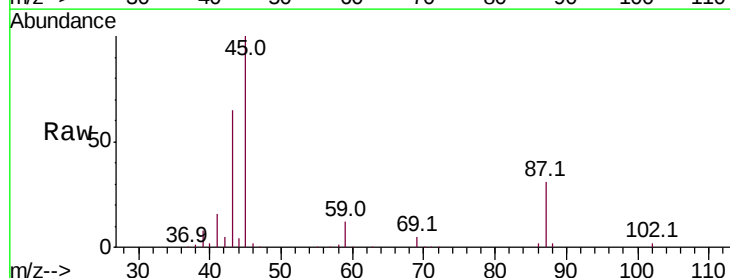
Manual Integrations  
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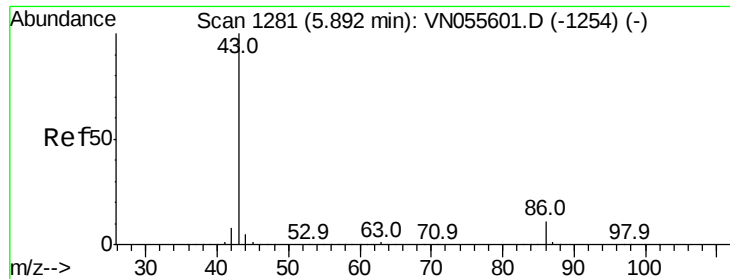
MMDadoda  
5/20/2019 9:08:07 AM



#22  
Diisopropyl ether  
Concen: 48.347 ug/l  
RT: 5.95 min Scan# 1299  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 62.1  | 50.4  | 75.6  |
| 87      | 30.1  | 23.8  | 35.6  |
| 59      | 11.7  | 9.5   | 14.3  |





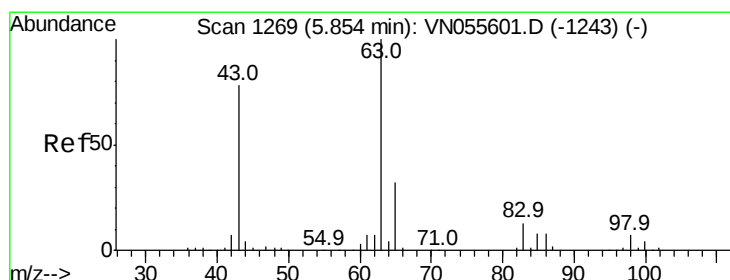
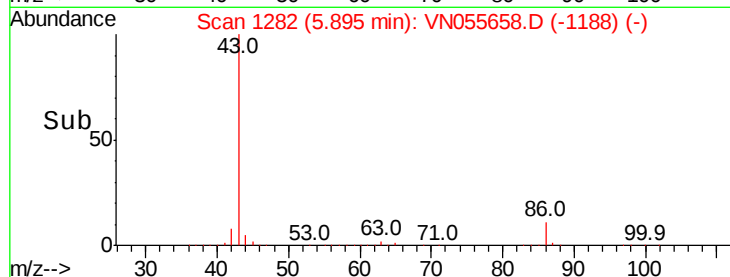
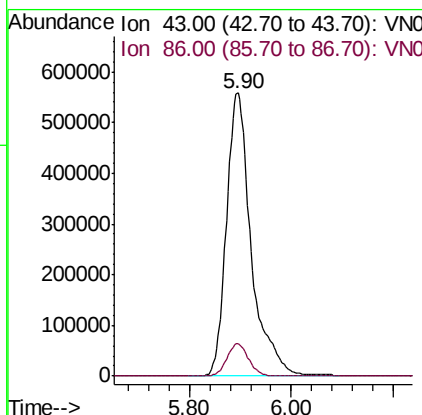
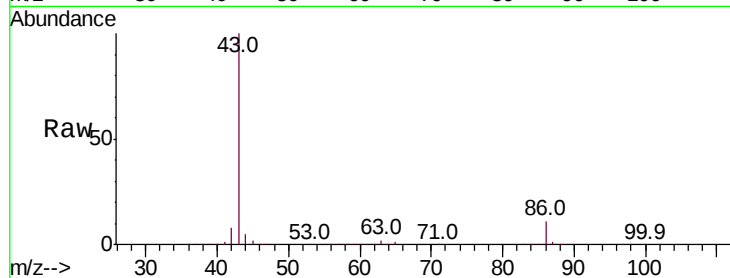
#23  
 Vinyl Acetate  
 Concen: 242.189 ug/l  
 RT: 5.90 min Scan# 1282  
 Delta R.T. 0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 43 Resp: 1886944  
 Ion Ratio Lower Upper  
 43 100  
 86 11.4 8.7 13.1

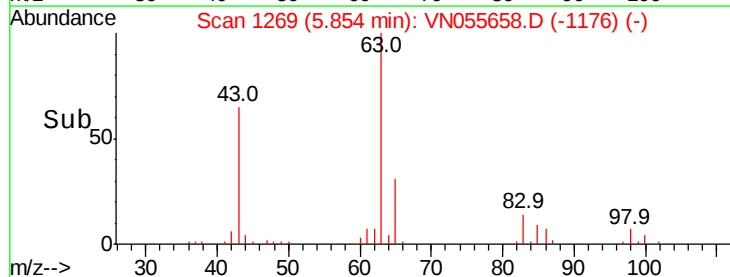
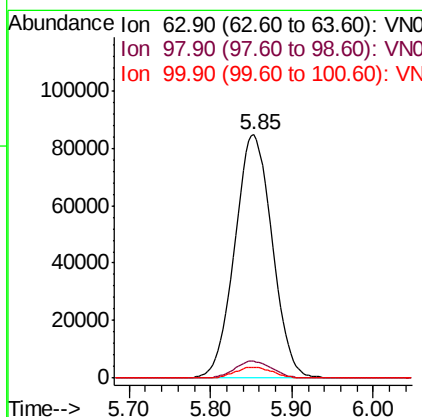
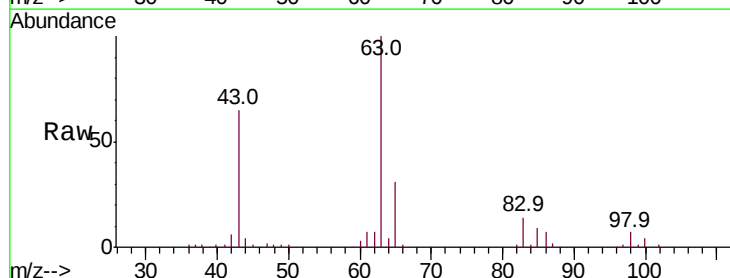
Manual Integrations  
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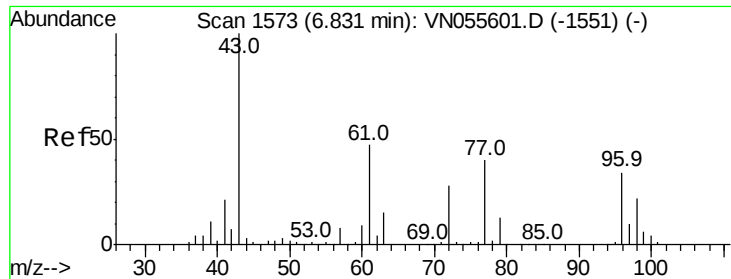
MMDadoda  
 5/20/2019 9:08:07 AM



#24  
 1,1-Dichloroethane  
 Concen: 50.075 ug/l  
 RT: 5.85 min Scan# 1269  
 Delta R.T. -0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

Tgt Ion: 63 Resp: 269598  
 Ion Ratio Lower Upper  
 63 100  
 98 6.8 3.4 10.2  
 100 4.3 2.2 6.6





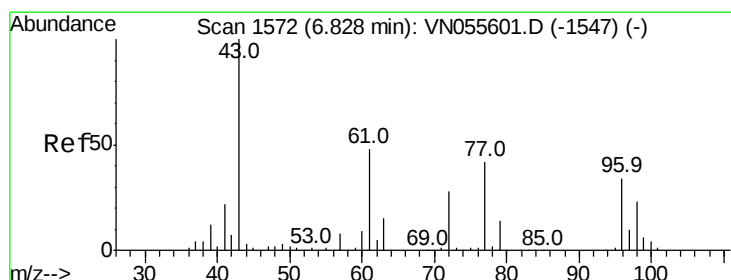
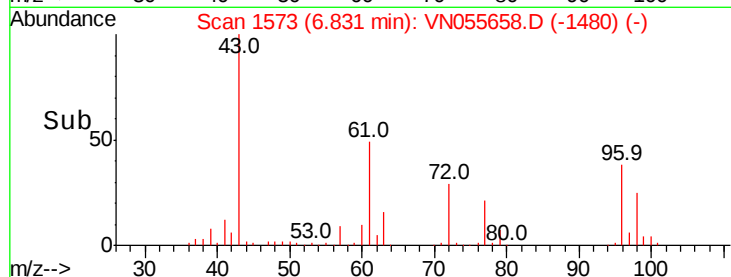
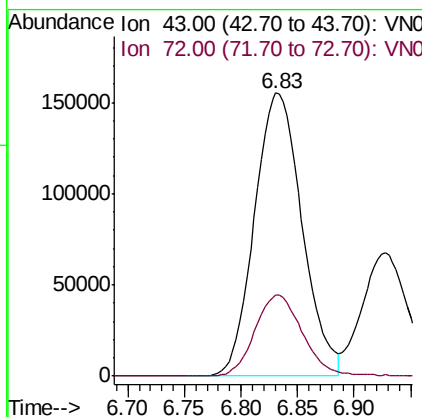
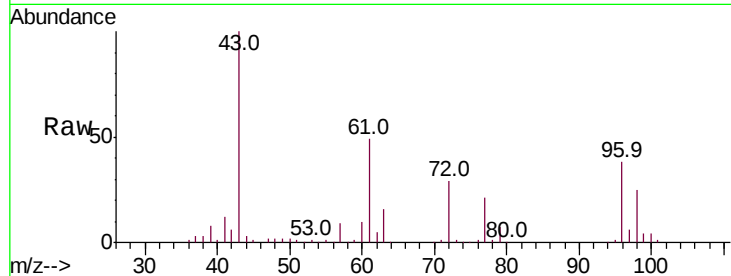
#25  
2-Butanone  
Concen: 229.800 ug/l  
RT: 6.83 min Scan# 1573  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 451769  
Ion Ratio Lower Upper  
43 100  
72 28.7 22.3 33.5

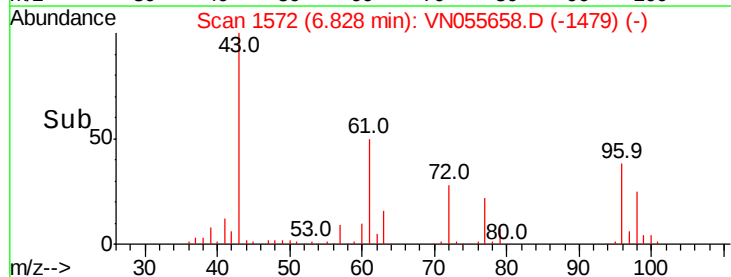
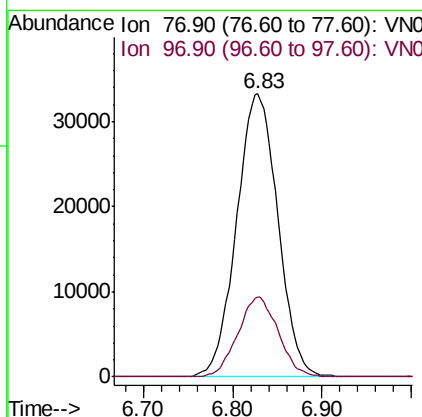
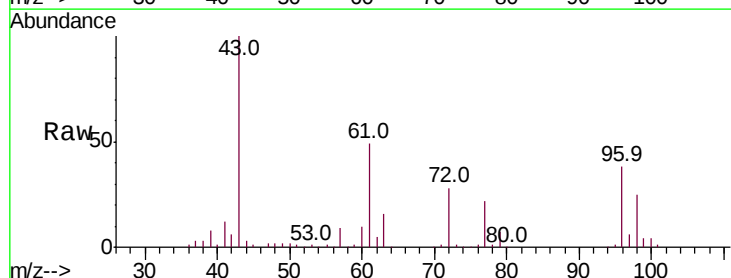
Manual Integrations  
APPROVED

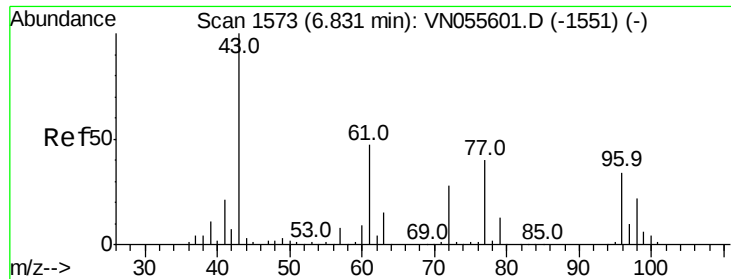
MMDadoda  
5/20/2019 9:08:07 AM



#26  
2,2-Dichloropropane  
Concen: 22.333 ug/l  
RT: 6.83 min Scan# 1572  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Tgt Ion: 77 Resp: 106714  
Ion Ratio Lower Upper  
77 100  
97 27.6 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 48.915 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

Instrument :

MSVOA\_N

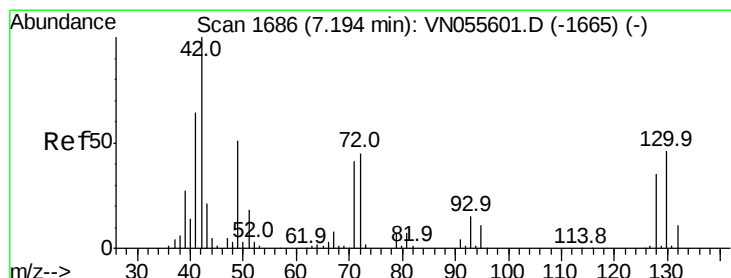
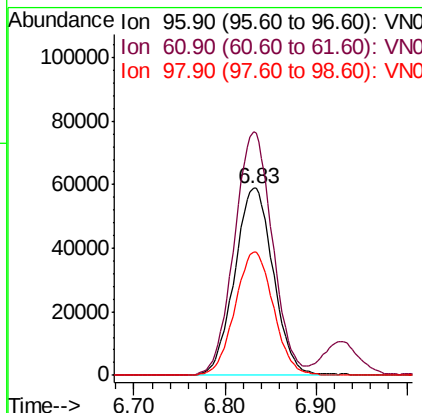
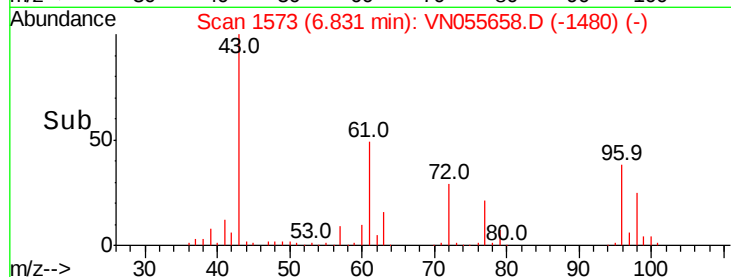
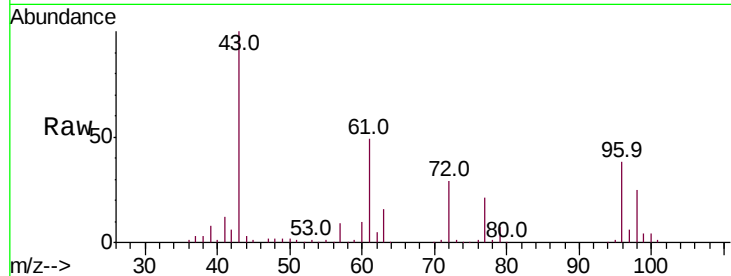
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 174166 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 128.3 | 0.0   | 279.0  |
| 98       | 65.5  | 0.0   | 131.6  |

Manual Integrations  
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#28

Bromochloromethane

Concen: 50.941 ug/l

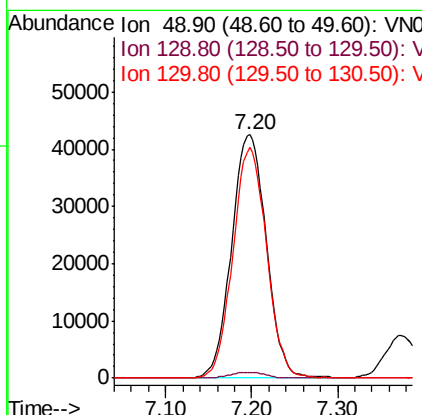
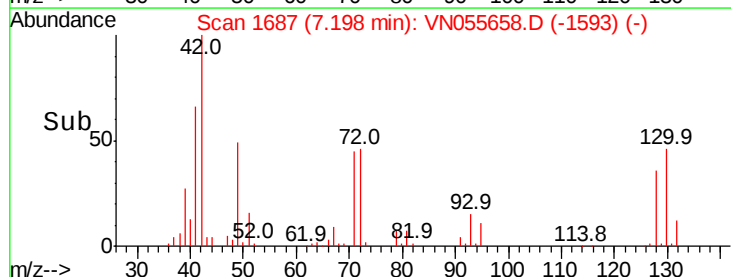
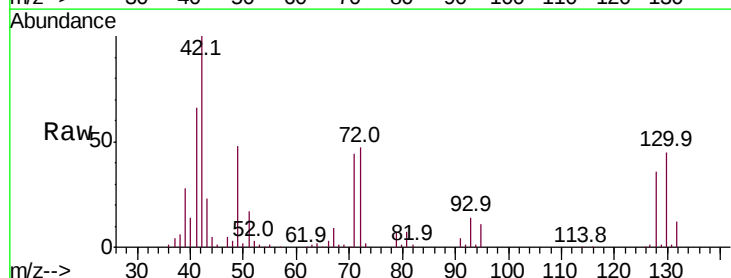
RT: 7.20 min Scan# 1687

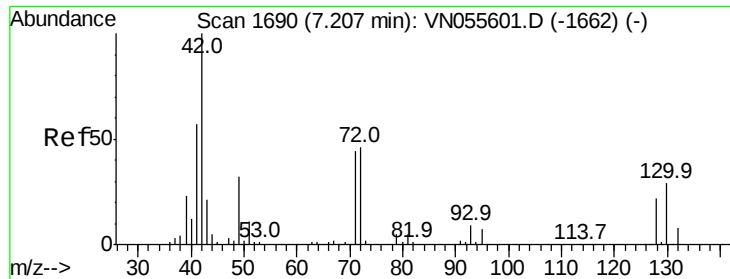
Delta R.T. 0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 119317 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 2.3   | 0.0   | 4.4    |
| 130      | 91.7  | 71.0  | 106.6  |





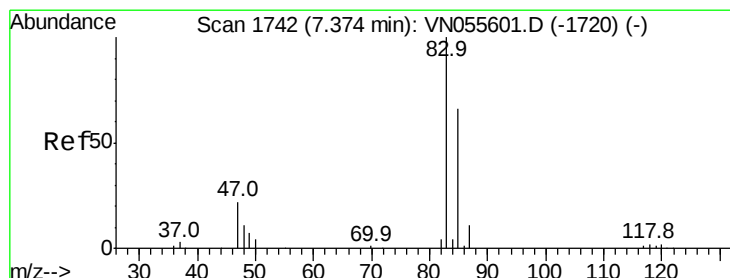
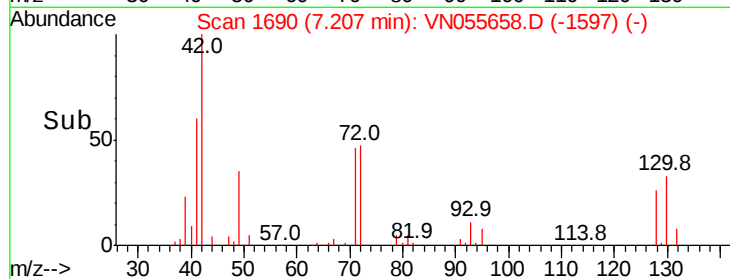
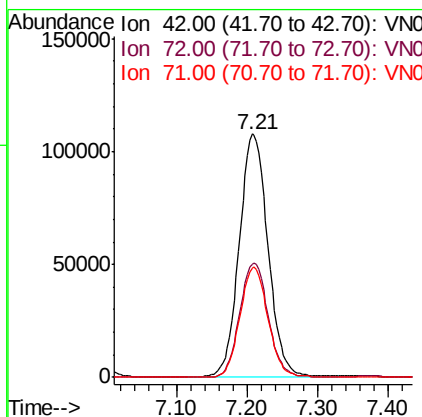
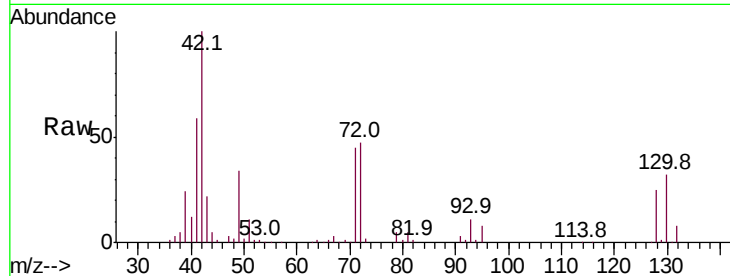
#29  
Tetrahydrofuran  
Concen: 235.066 ug/l  
RT: 7.21 min Scan# 1690  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 42    | Resp: | 306160 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 72        | 46.8  | 36.5  | 54.7   |
| 71        | 44.5  | 34.9  | 52.3   |

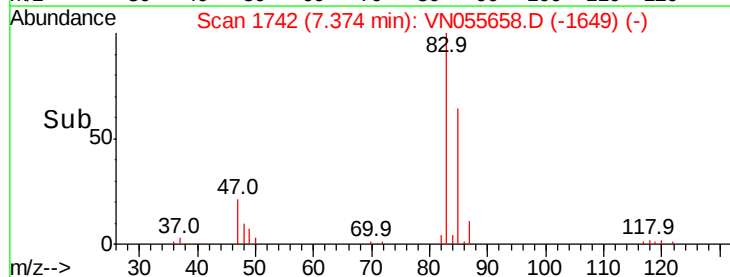
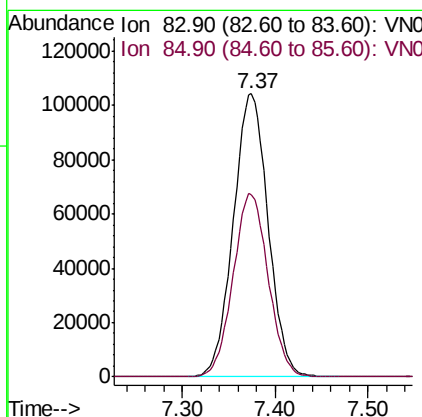
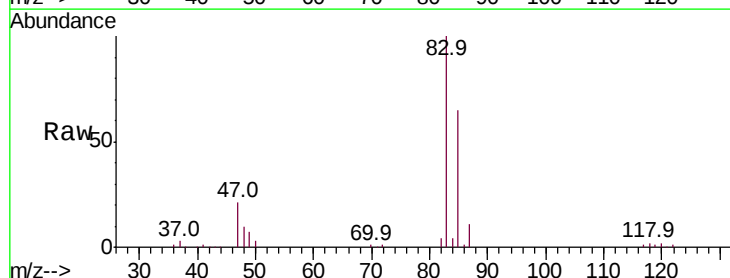
Manual Integrations  
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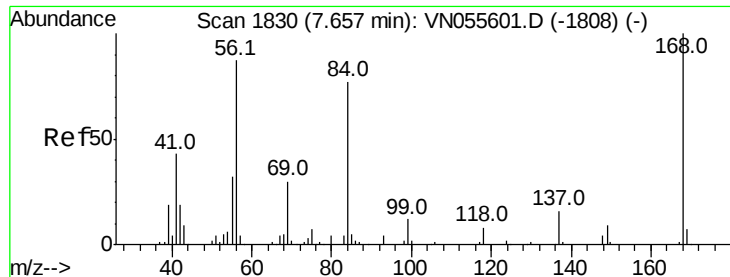
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5/20/2019 9:08:07 AM



#30  
Chloroform  
Concen: 49.100 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 271354 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.6  | 52.6  | 78.8   |





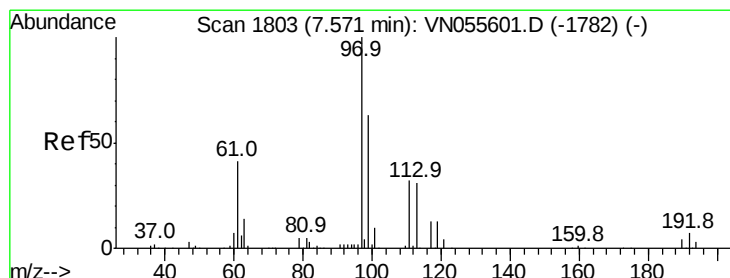
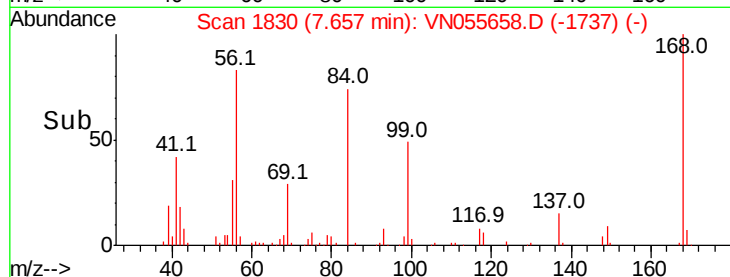
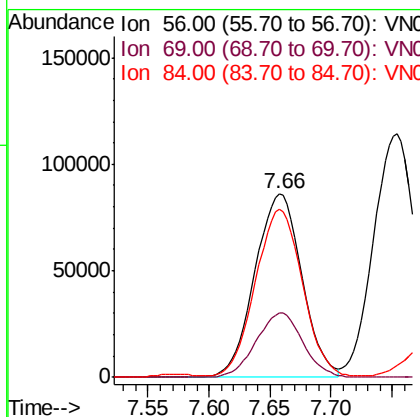
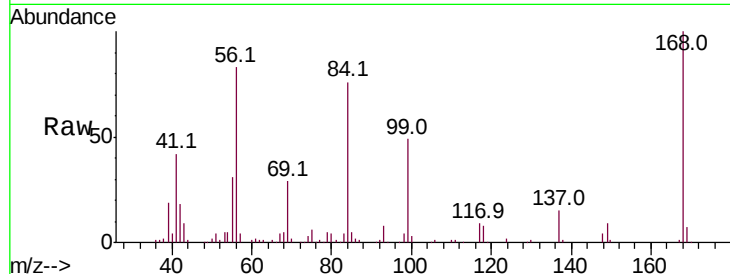
#31  
Cyclohexane  
Concen: 45.211 ug/l  
RT: 7.66 min Scan# 1830  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 34.7  | 27.2  | 40.8  |
| 84      | 90.5  | 71.3  | 106.9 |

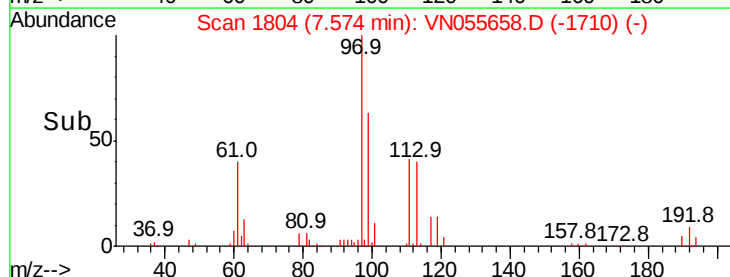
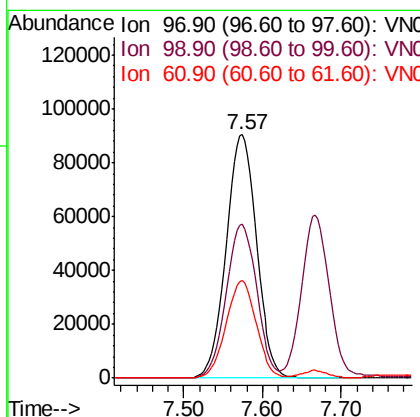
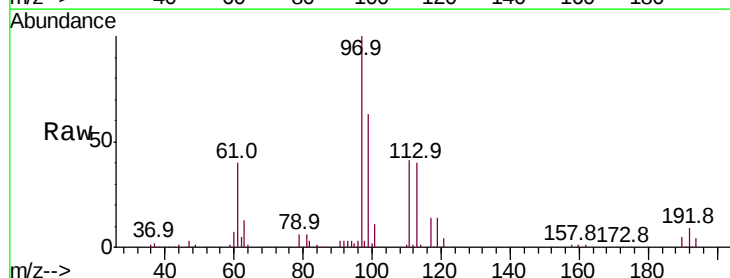
Manual Integrations  
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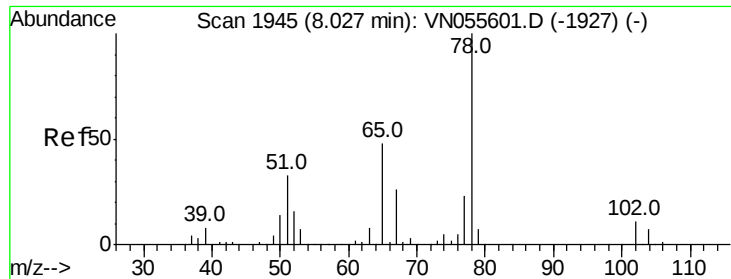
MMDadoda  
5/20/2019 9:08:07 AM



#32  
1,1,1-Trichloroethane  
Concen: 48.951 ug/l  
RT: 7.57 min Scan# 1804  
Delta R.T. 0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.6  | 51.4  | 77.2  |
| 61      | 39.9  | 32.9  | 49.3  |





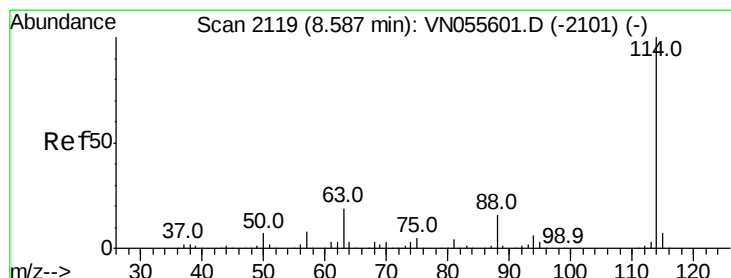
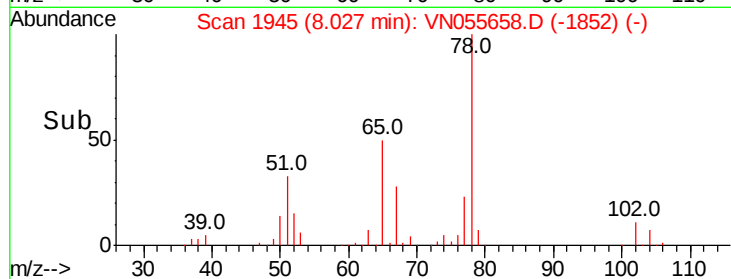
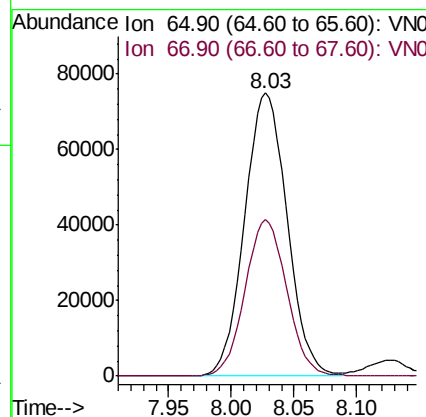
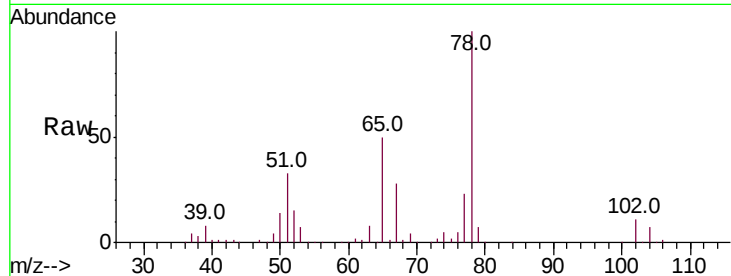
#33  
 1,2-Dichloroethane-d4  
 Concen: 51.380 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 177023 |       |       |
| 67      | 54.3  | 0.0    | 108.6 |       |

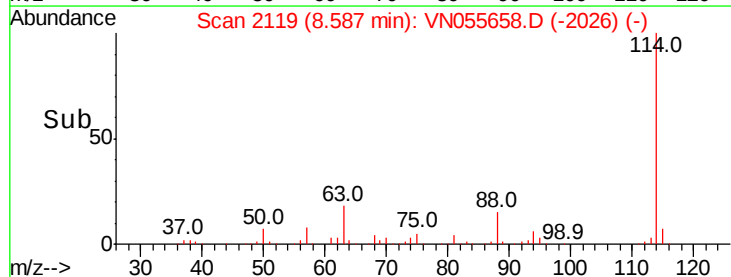
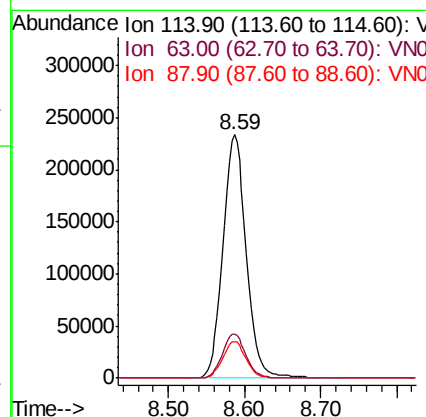
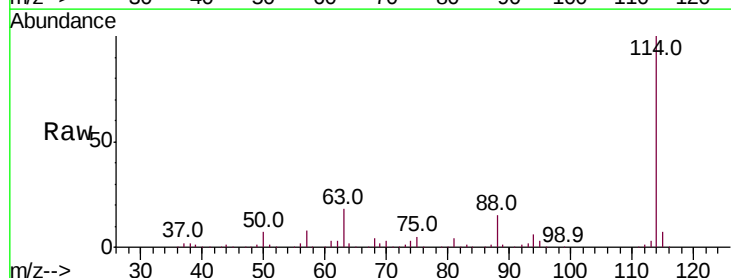
Manual Integrations  
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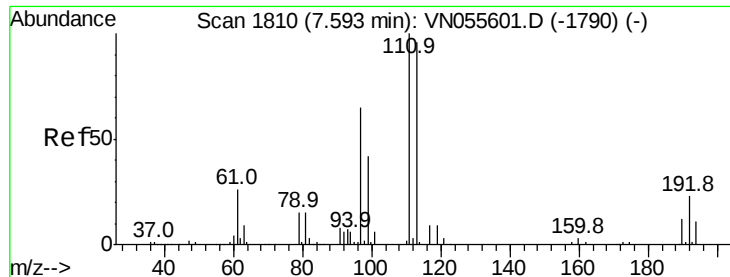
MMDadoda  
 5/20/2019 9:08:07 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 495544 |       |       |
| 63      | 18.1  | 0.0    | 38.2  |       |
| 88      | 15.1  | 0.0    | 31.0  |       |





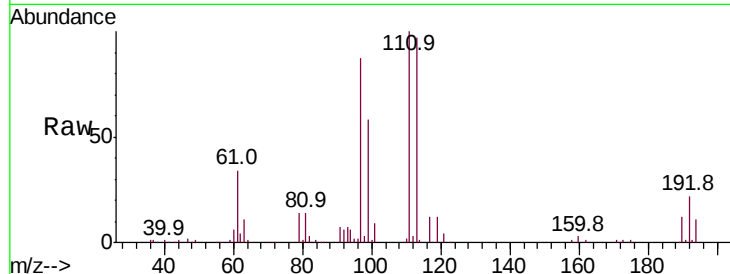
#35  
 Dibromofluoromethane  
 Concen: 51.877 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

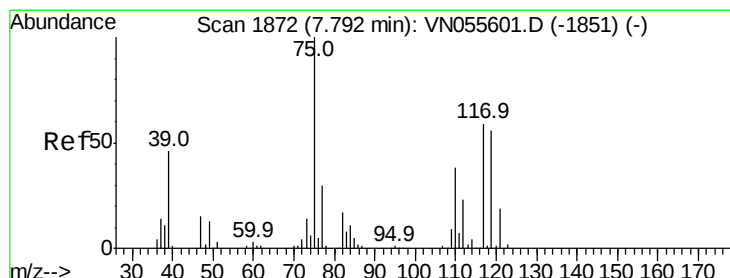
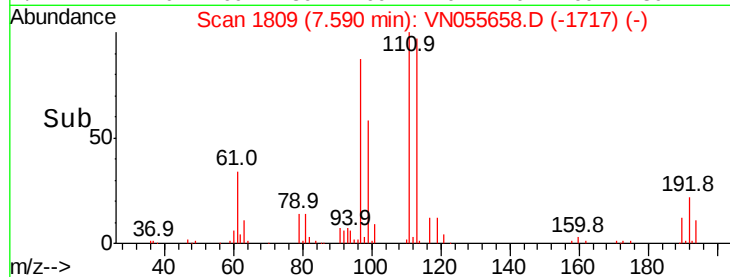
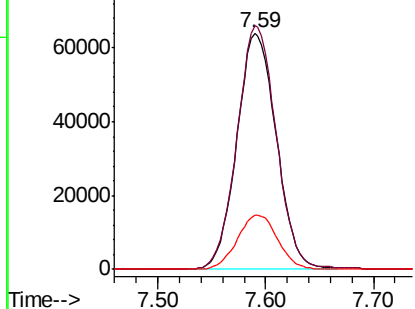
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 163306 |       |       |
| 111     | 102.5 | 82.5   | 123.7 |       |
| 192     | 23.5  | 18.7   | 28.1  |       |

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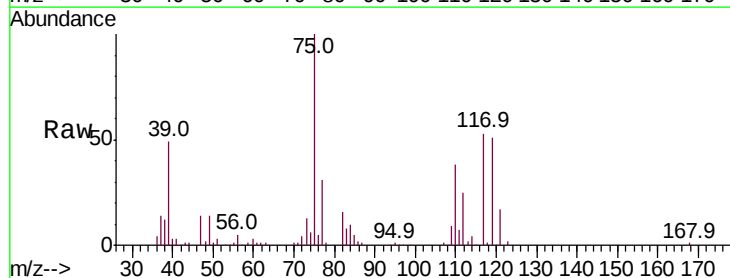


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

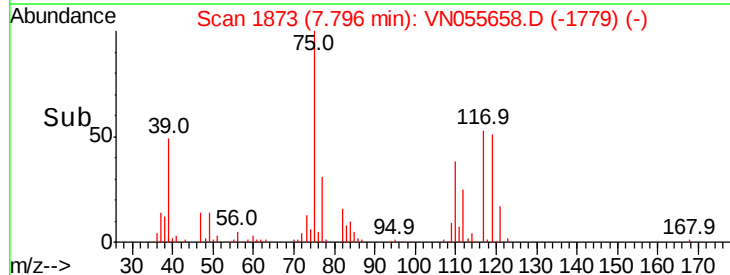
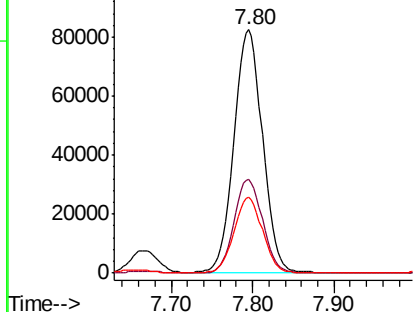


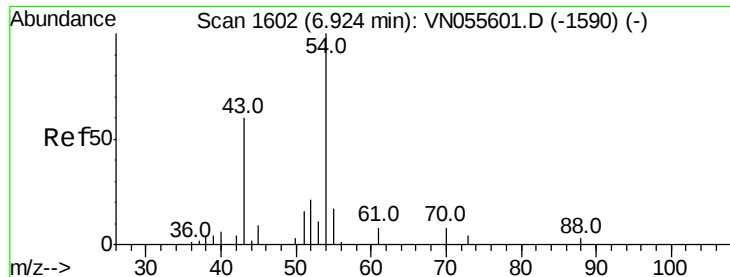
#36  
 1,1-Dichloropropene  
 Concen: 45.819 ug/l  
 RT: 7.80 min Scan# 1873  
 Delta R.T. 0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 202431 |       |       |
| 110     | 38.2  | 18.6   | 55.6  |       |
| 77      | 31.0  | 24.9   | 37.3  |       |



Abundance Ion 74.90 (74.60 to 75.60): VNO  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): VNO





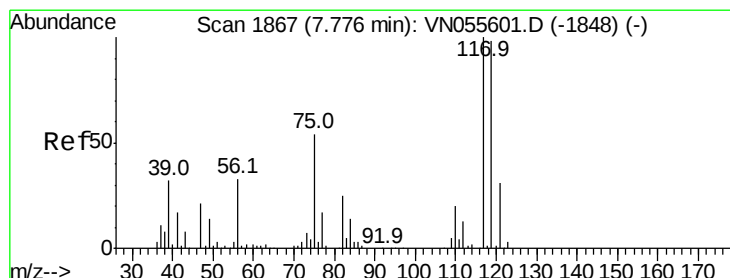
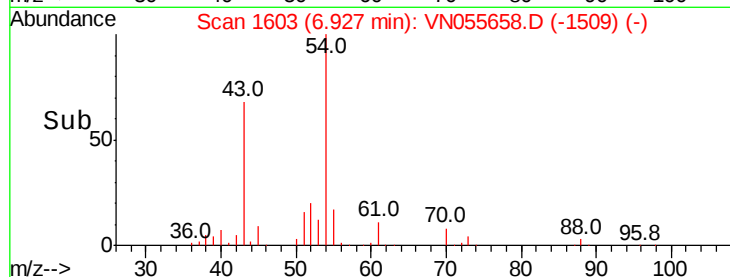
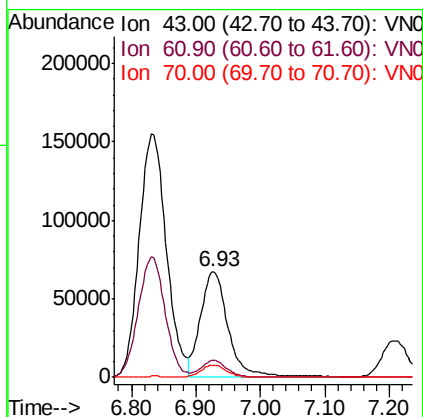
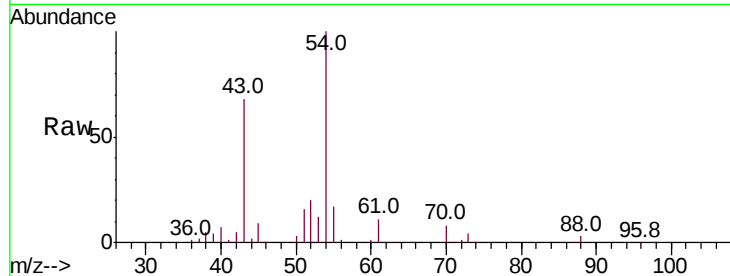
#37  
Ethyl Acetate  
Concen: 49.445 ug/l  
RT: 6.93 min Scan# 1603  
Delta R.T. 0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.3  | 11.4  | 17.0  |
| 70      | 11.3  | 9.2   | 13.8  |

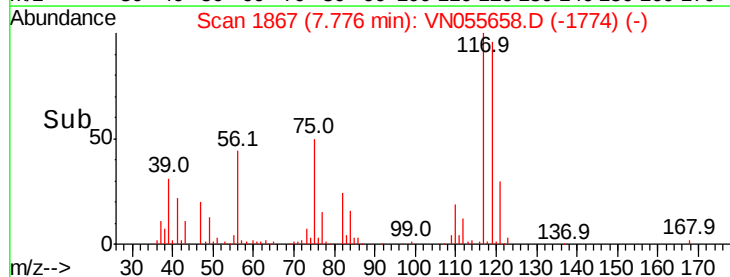
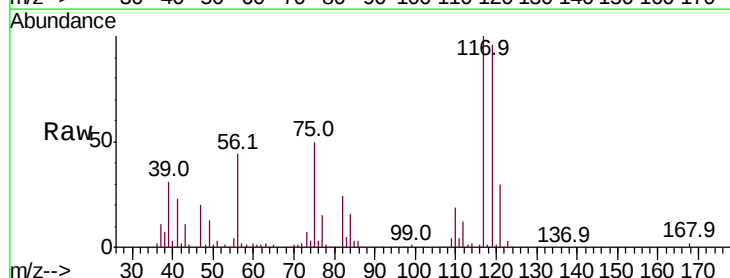
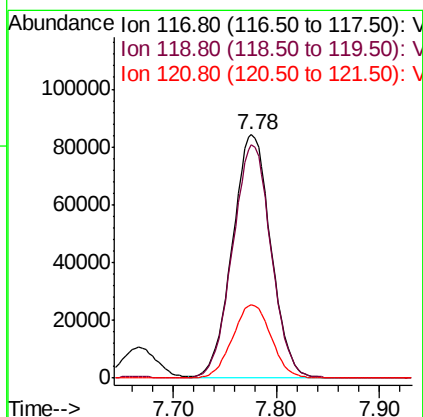
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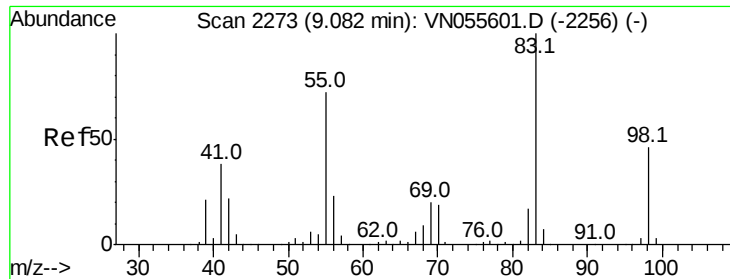
MMDadoda  
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#38  
Carbon Tetrachloride  
Concen: 46.041 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.9  | 77.8  | 116.8 |
| 121     | 30.3  | 24.6  | 37.0  |





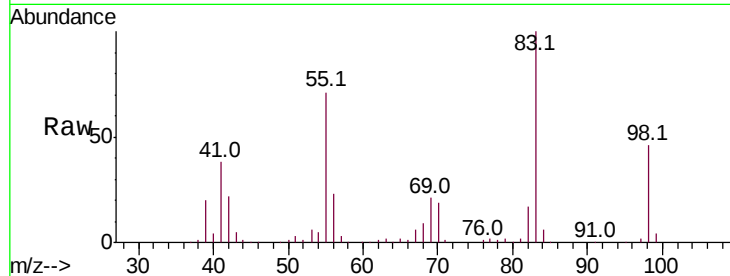
#39  
Methvlcvclohexane  
Concen: 42.750 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

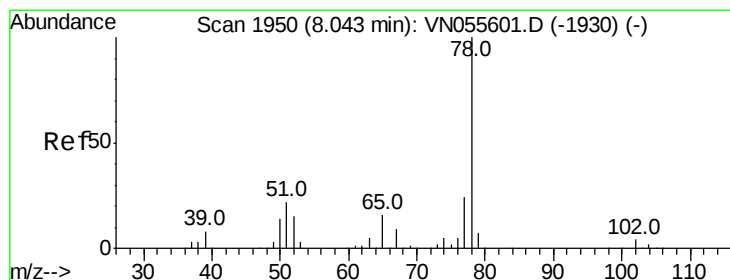
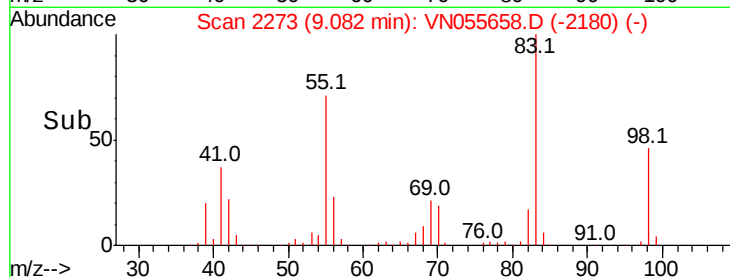
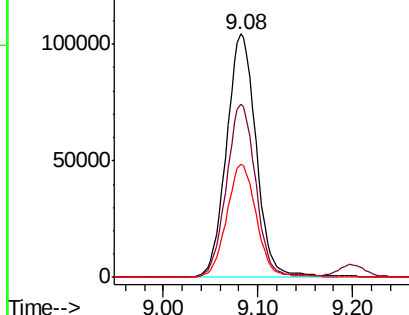
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 70.9  | 57.8  | 86.6  |
| 98      | 46.5  | 36.7  | 55.1  |

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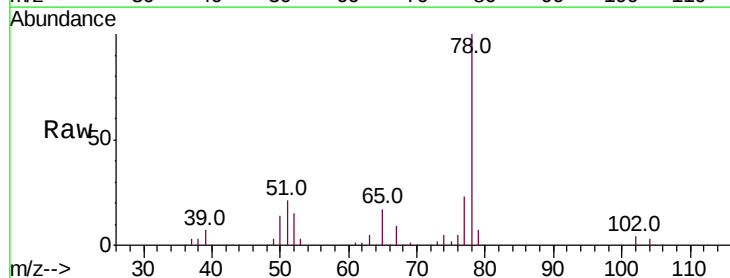


Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 55.00 (54.70 to 55.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

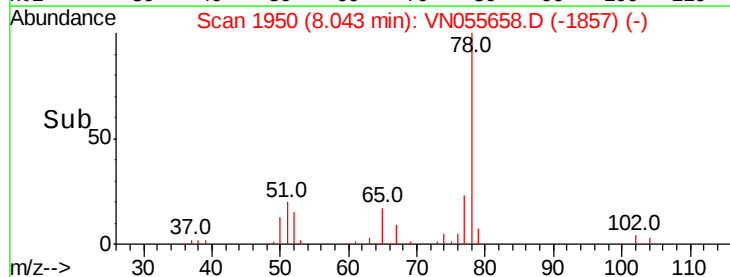
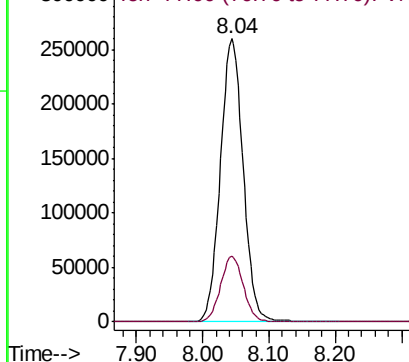


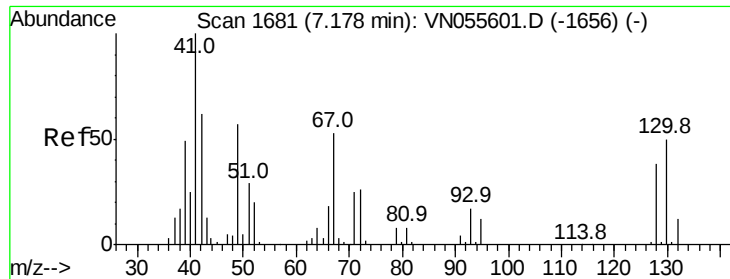
#40  
Benzene  
Concen: 47.747 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.1  | 18.9  | 28.3  |



Abundance Ion 78.00 (77.70 to 78.70): VN0  
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 56.624 ug/l m

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 96516  
Ion Ratio Lower Upper

41 100

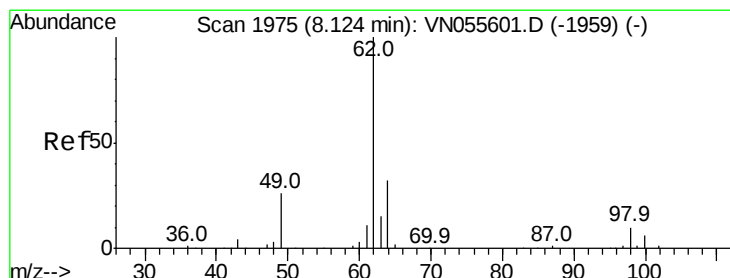
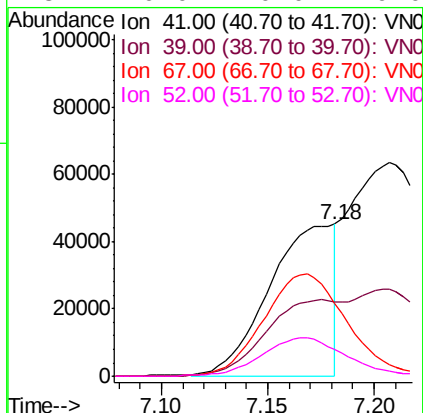
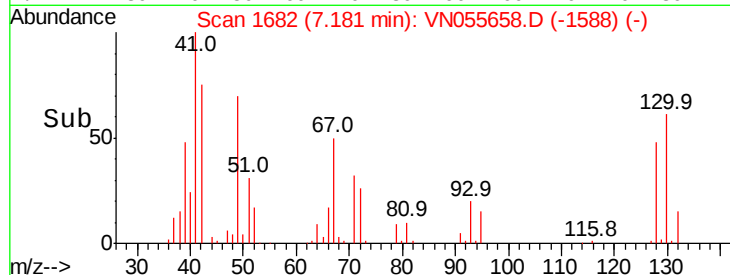
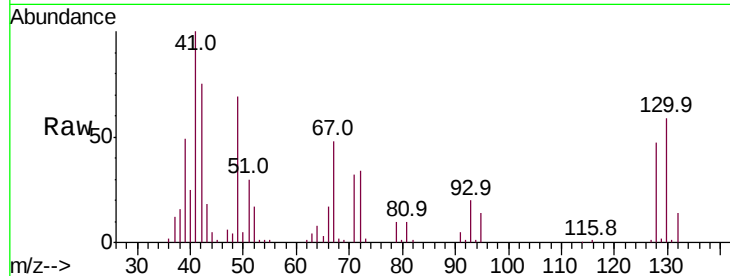
39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

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#42

1,2-Dichloroethane

Concen: 48.625 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

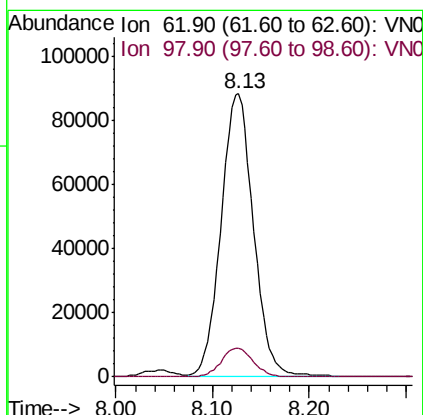
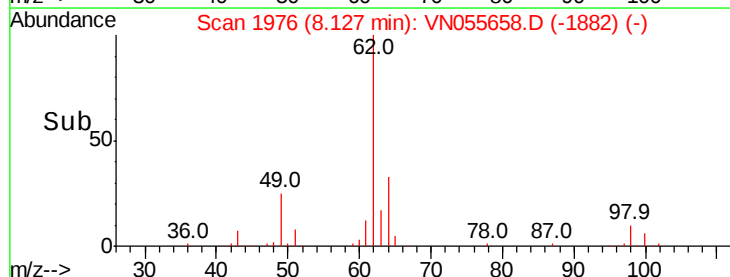
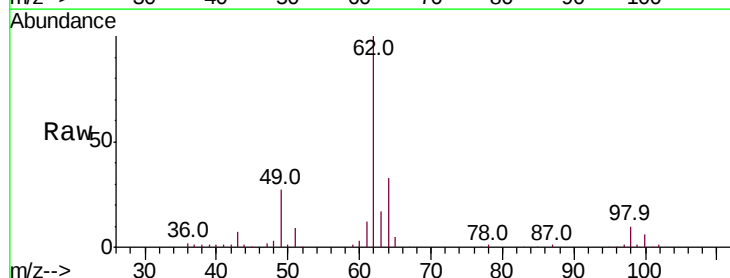
Lab File: VN055658.D

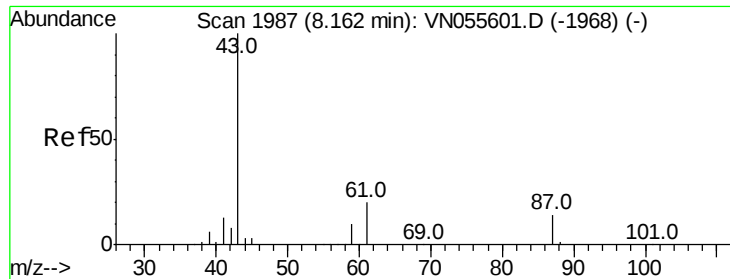
Acq: 18 May 2019 11:11

Tgt Ion: 62 Resp: 204615  
Ion Ratio Lower Upper

62 100

98 10.1 0.0 20.2





#43

Isopropyl Acetate

Concen: 52.286 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

Instrument :

MSVOA\_N

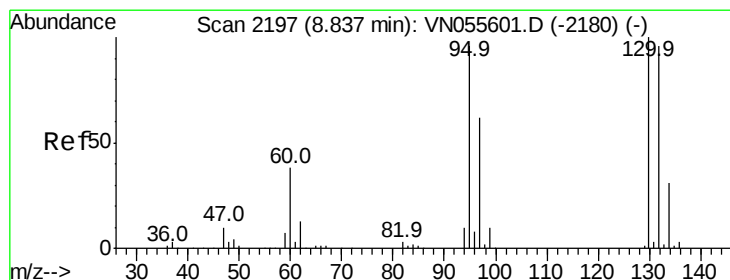
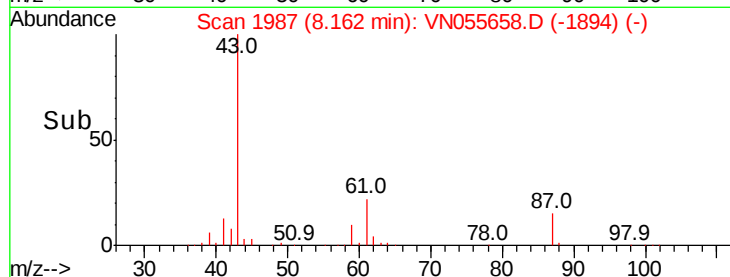
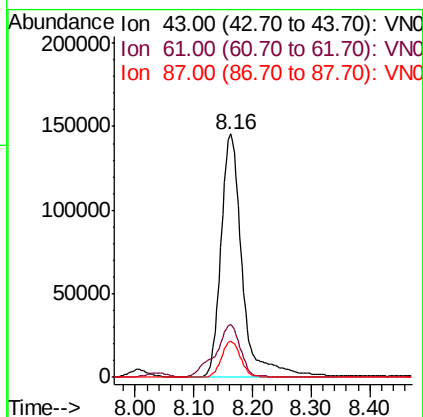
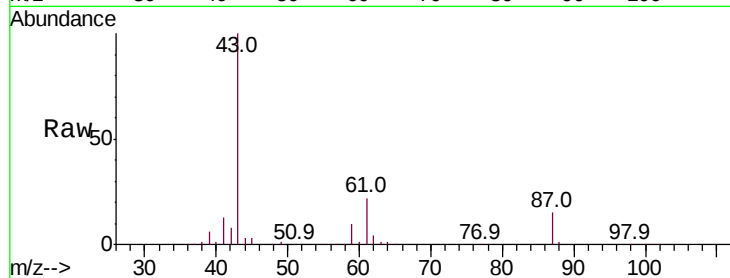
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 362598 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 25.9  | 22.1  | 33.1   |
| 87       | 13.3  | 11.8  | 17.6   |

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#44

Trichloroethene

Concen: 49.661 ug/l

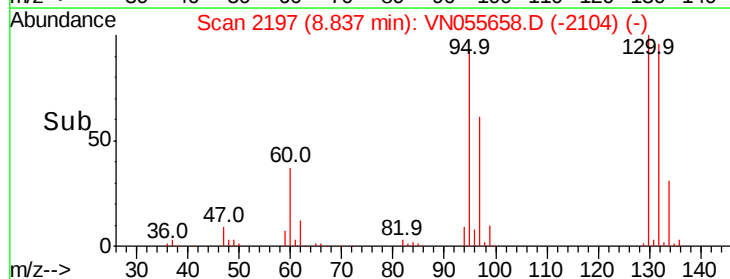
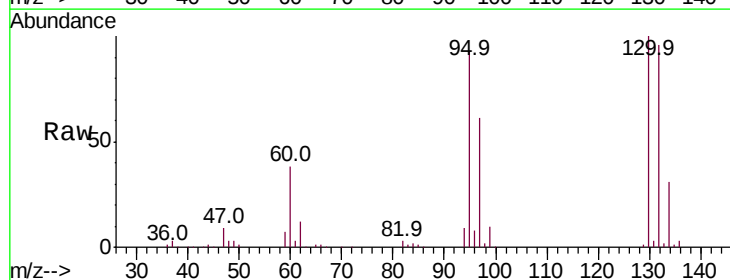
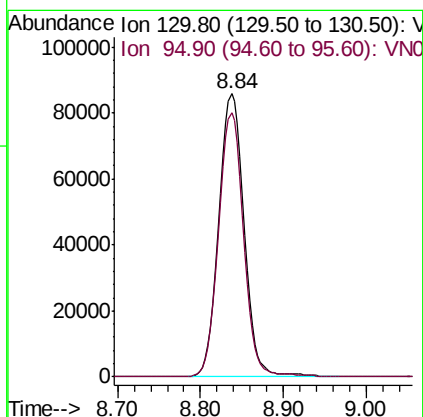
RT: 8.84 min Scan# 2197

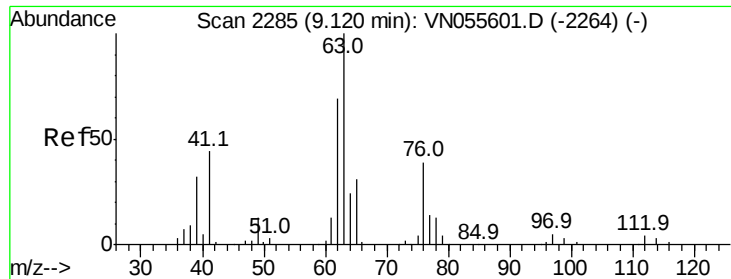
Delta R.T. -0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 182100 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 93.3  | 0.0   | 191.0  |





#45

1,2-Dichloropropane

Concen: 47.362 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 162137

Ion Ratio Lower Upper

63 100

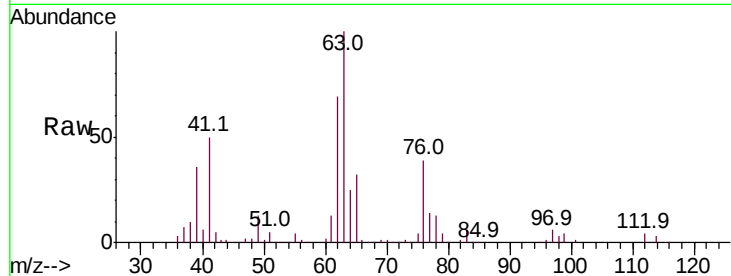
65 32.1 25.2 37.8

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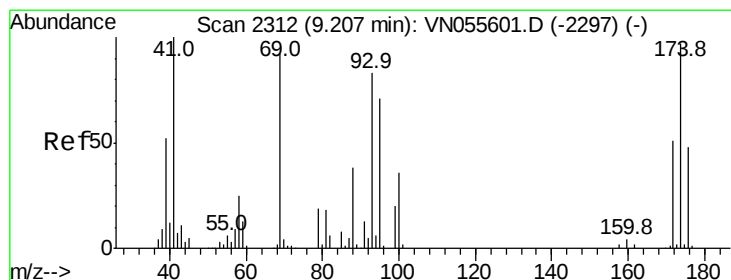
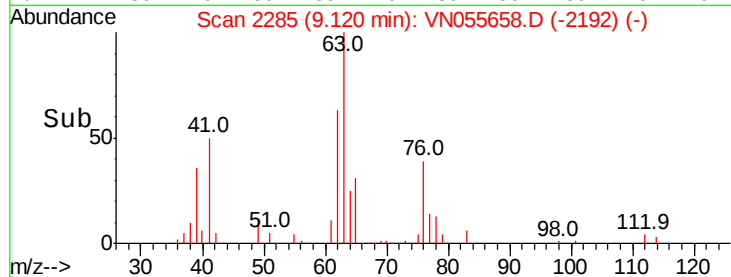
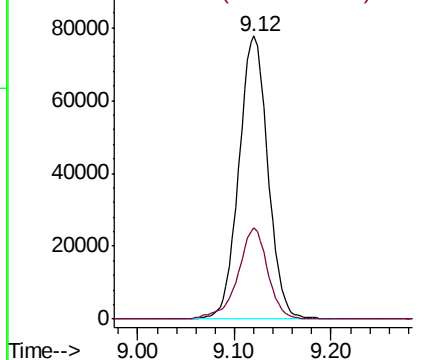
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.741 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

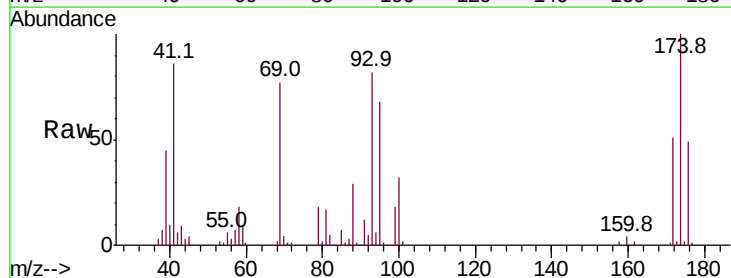
Tgt Ion: 93 Resp: 109209

Ion Ratio Lower Upper

93 100

95 83.6 67.9 101.9

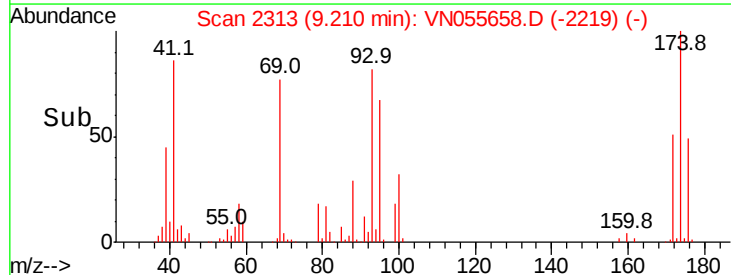
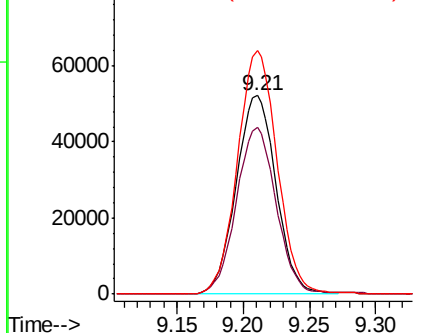
174 122.2 93.8 140.6

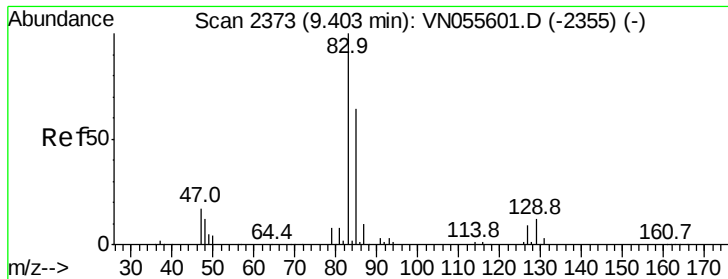


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.758 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

Instrument :

MSVOA\_N

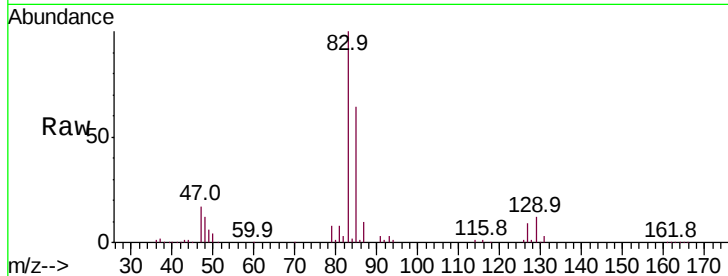
ClientSampleId :

VSTDCCC050EC

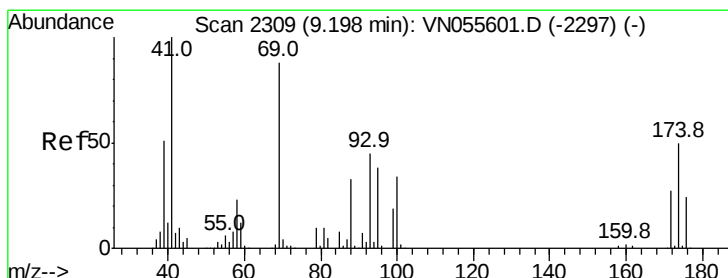
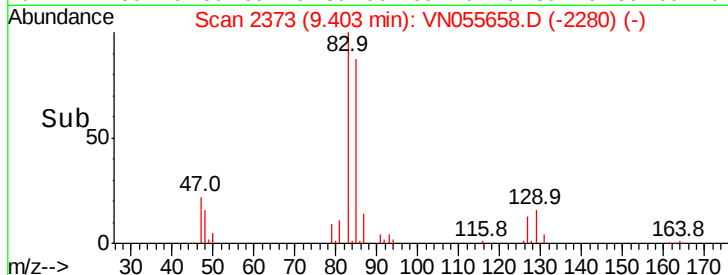
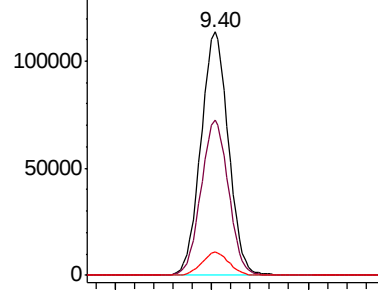
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 224269 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.7  | 51.4  | 77.0   |
| 127       | 9.4   | 7.1   | 10.7   |

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Abundance Ion 82.90 (82.60 to 83.60): VNO  
Ion 84.90 (84.60 to 85.60): VNO  
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 48.645 ug/l

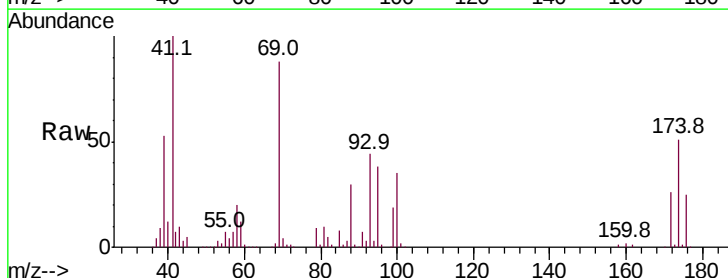
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

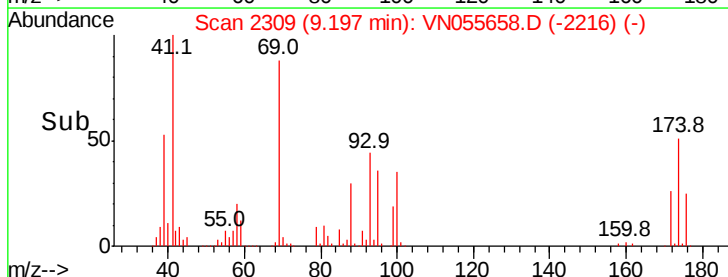
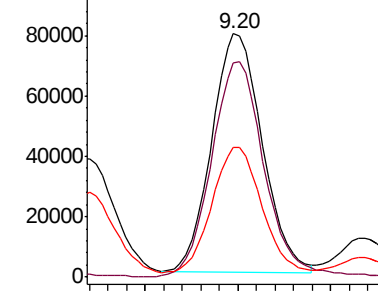
Lab File: VN055658.D

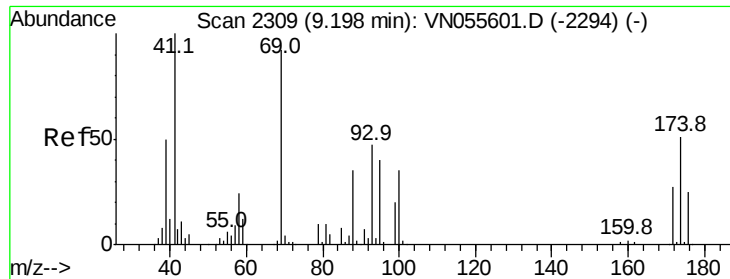
Acq: 18 May 2019 11:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 150786 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 94.9  | 74.2  | 111.2  |
| 39        | 55.8  | 43.8  | 65.8   |



Abundance Ion 41.00 (40.70 to 41.70): VNO  
Ion 69.00 (68.70 to 69.70): VNO  
Ion 39.00 (38.70 to 39.70): VNO





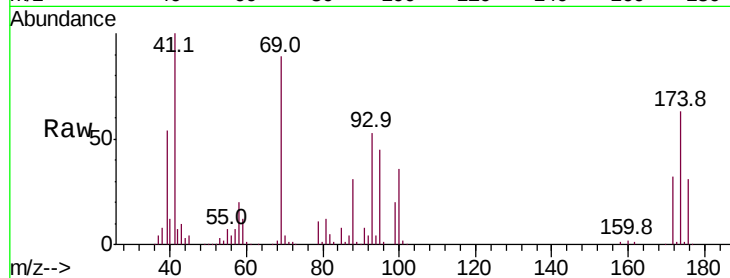
#49  
 1,4-Dioxane  
 Concen: 871.329 ug/l  
 RT: 9.20 min Scan# 2310  
 Delta R.T. 0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

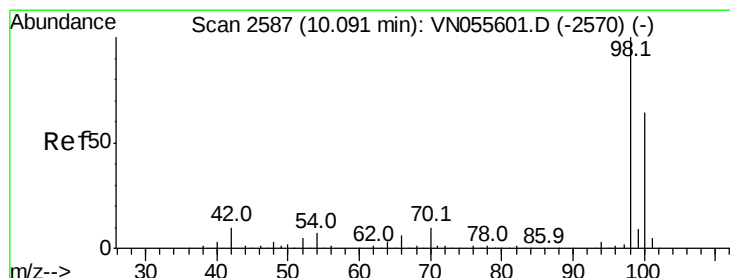
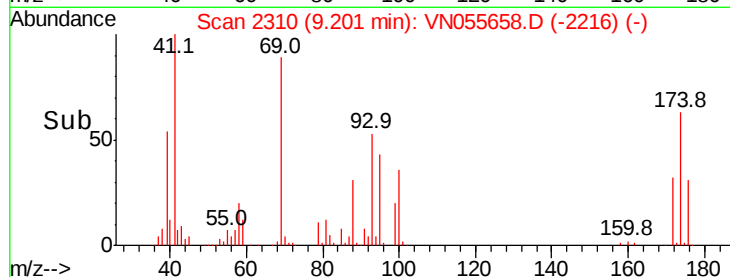
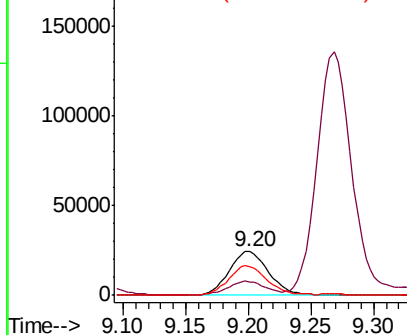
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 28.2  | 22.4  | 33.6  |
| 58      | 65.9  | 53.4  | 80.2  |

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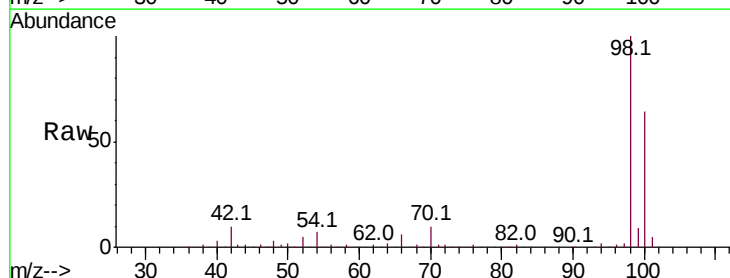


Abundance Ion 88.00 (87.70 to 88.70): VN0  
 Ion 43.00 (42.70 to 43.70): VN0  
 Ion 58.00 (57.70 to 58.70): VN0

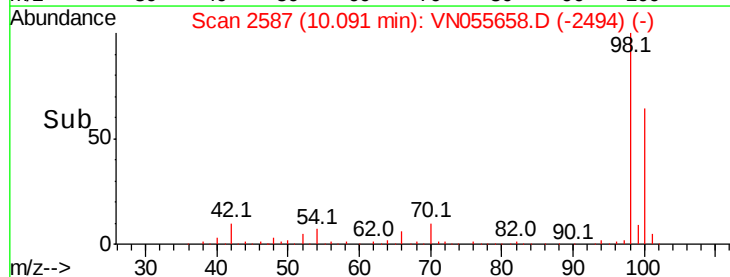
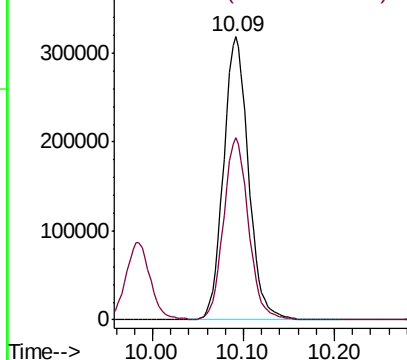


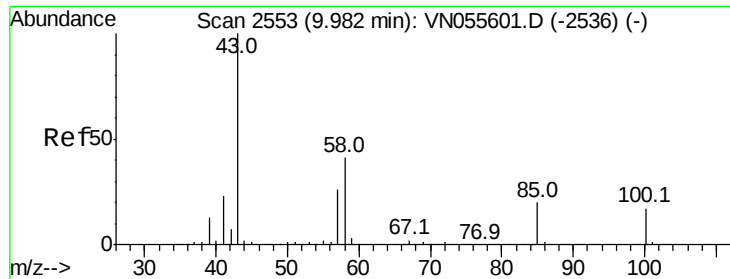
#50  
 Toluene-d8  
 Concen: 50.926 ug/l  
 RT: 10.09 min Scan# 2587  
 Delta R.T. -0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.4  | 51.9  | 77.9  |



Abundance Ion 98.00 (97.70 to 98.70): VN0  
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 231.195 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

Instrument :

MSVOA\_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 940485

Ion Ratio Lower Upper

43 100

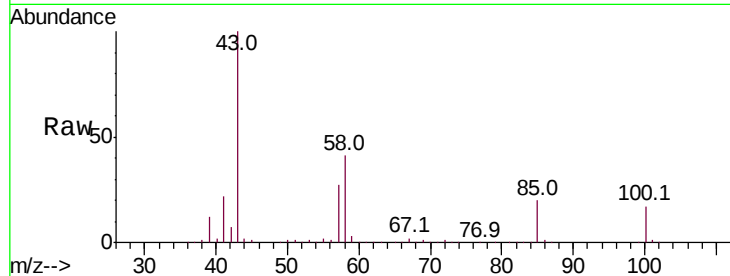
58 41.4 32.7 49.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

500000

400000

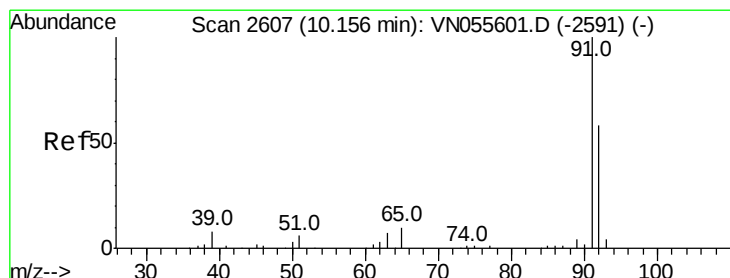
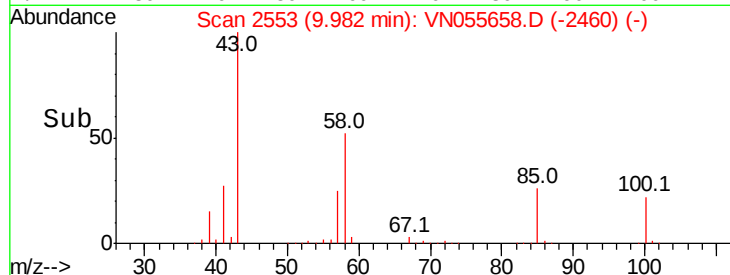
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.097 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055658.D

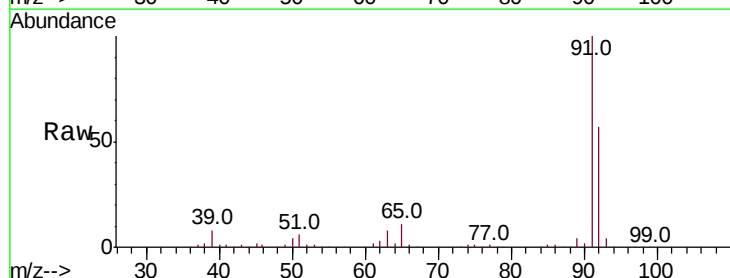
Acq: 18 May 2019 11:11

Tgt Ion: 92 Resp: 392022

Ion Ratio Lower Upper

92 100

91 174.1 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

400000

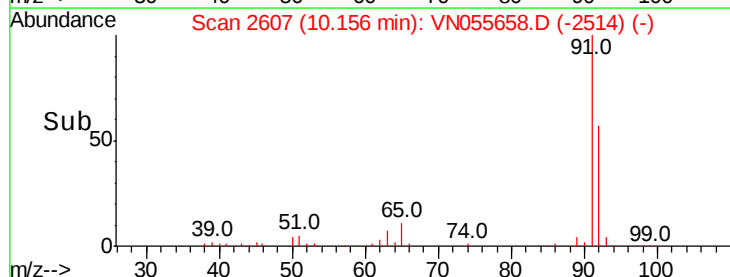
300000

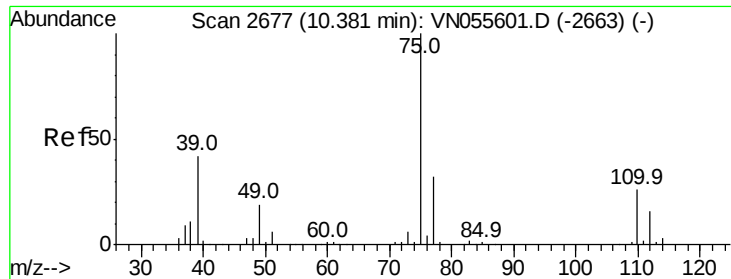
200000

100000

0

Time-->





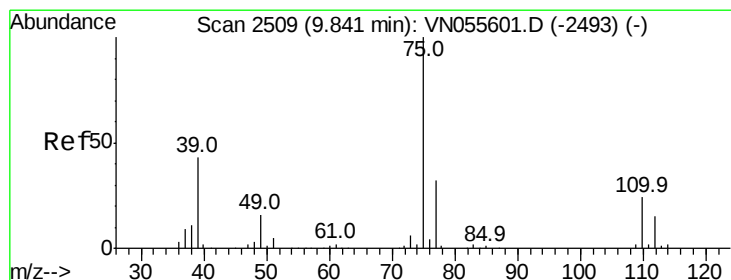
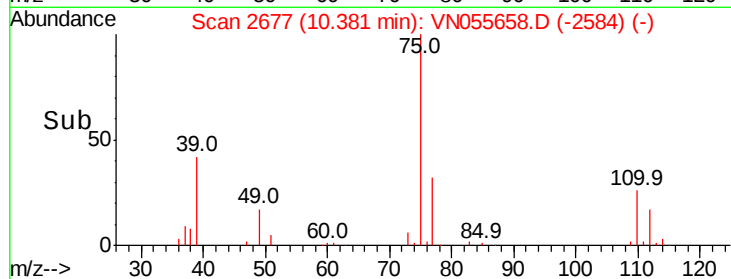
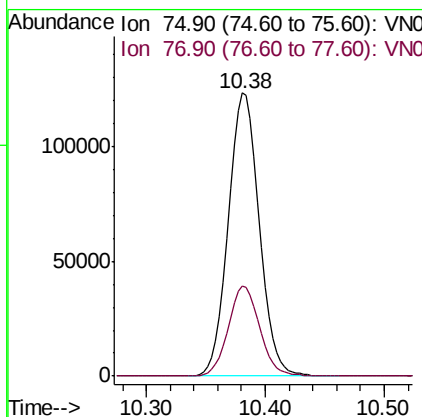
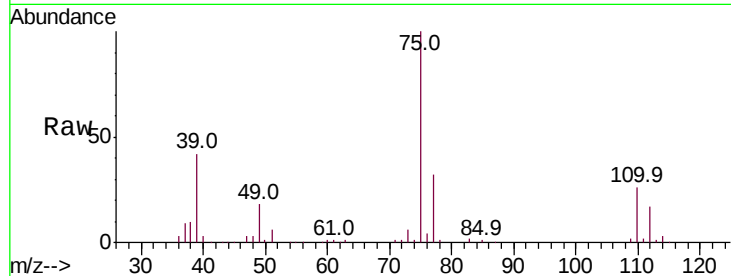
#53  
t-1,3-Dichloropropene  
Concen: 43.963 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

Tot Ion: 75 Resp: 222196  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.4 38.2

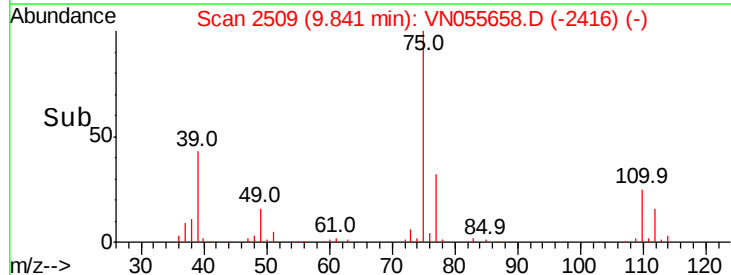
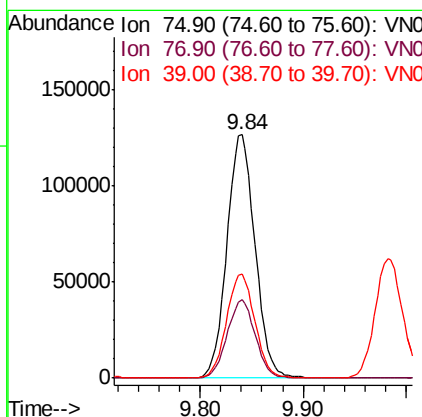
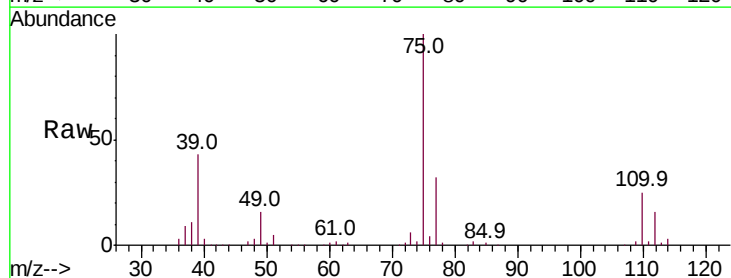
Manual Integrations  
APPROVED

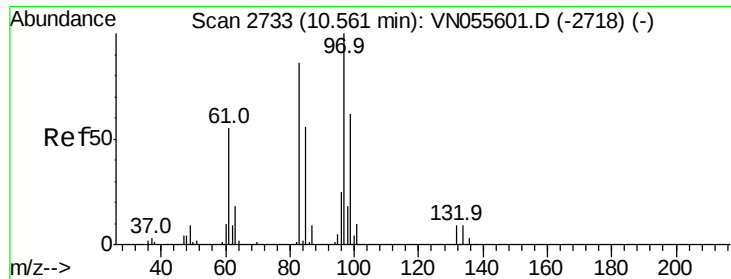
MMDadoda  
5/20/2019 9:08:07 AM



#54  
cis-1,3-Dichloropropene  
Concen: 43.543 ug/l  
RT: 9.84 min Scan# 2509  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Tgt Ion: 75 Resp: 241096  
Ion Ratio Lower Upper  
75 100  
77 32.1 25.7 38.5  
39 42.4 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 48.307 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

Instrument :

MSVOA\_N

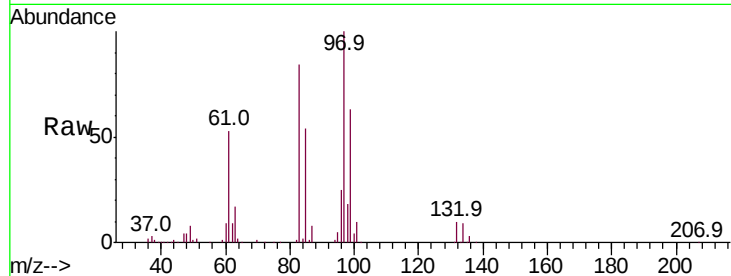
ClientSampleId :

VSTDCCC050EC

| Tot Ion | 97    | Resp  | 162091 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 97      | 100   |       |        |
| 83      | 83.7  | 68.4  | 102.6  |
| 85      | 54.3  | 44.8  | 67.2   |
| 99      | 63.1  | 49.9  | 74.9   |

Manual Integrations  
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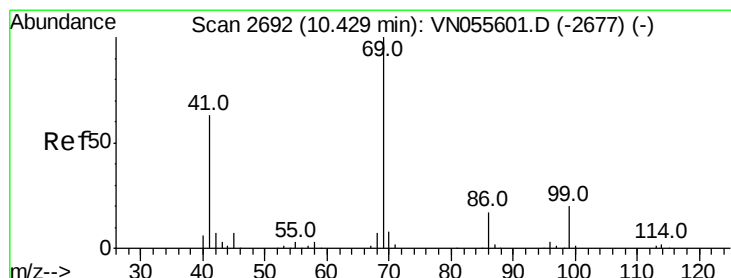
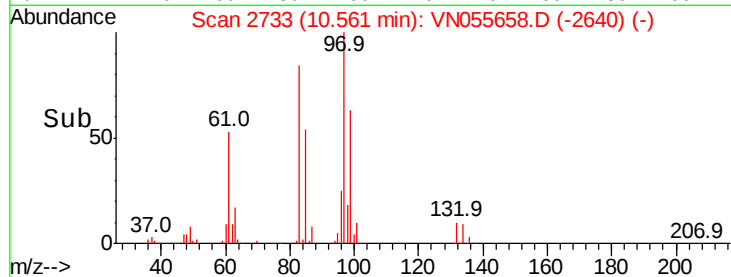
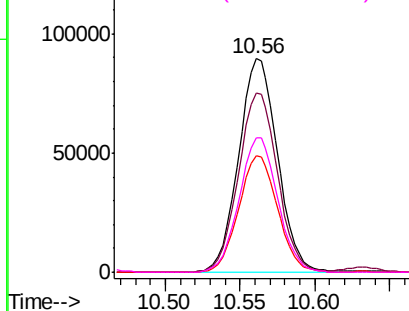
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 47.473 ug/l

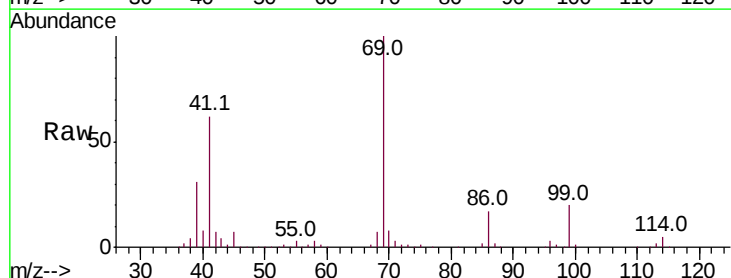
RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

| Tgt Ion | 69    | Resp  | 248667 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 69      | 100   |       |        |
| 41      | 61.2  | 50.3  | 75.5   |
| 39      | 30.5  | 25.4  | 38.2   |

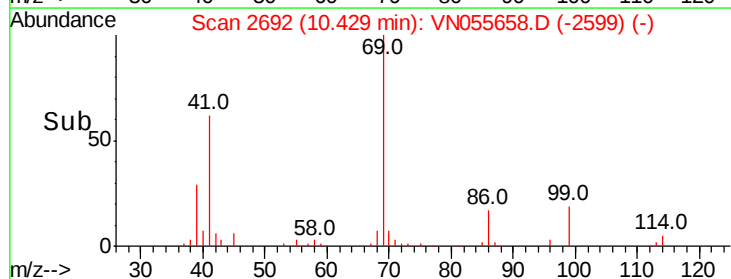
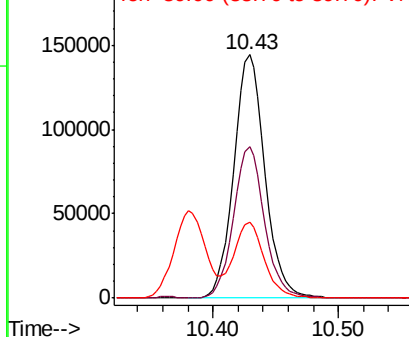


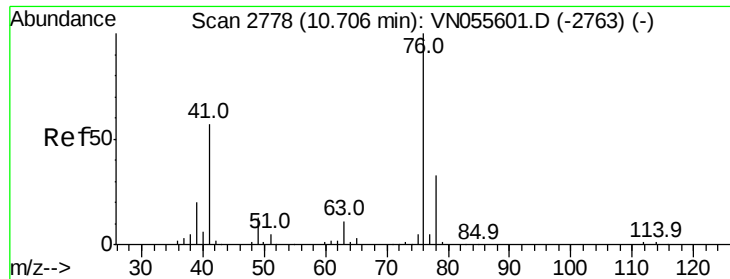
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





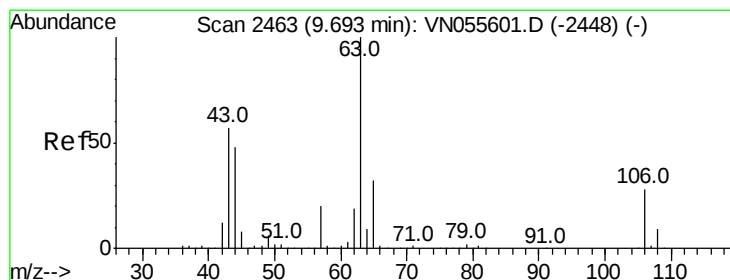
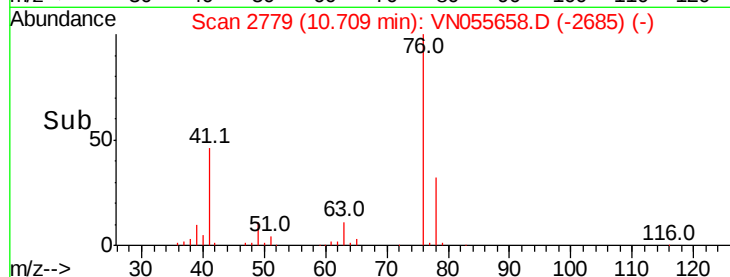
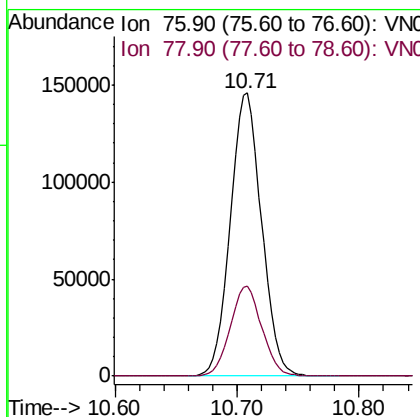
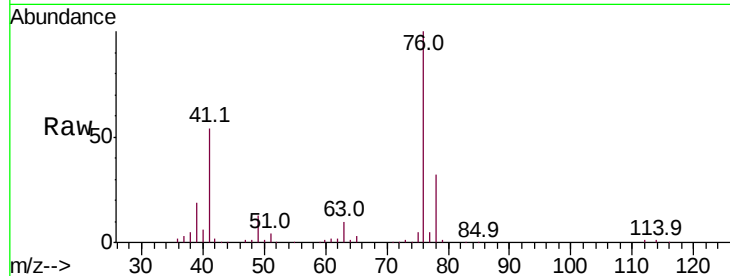
#57  
 1,3-Dichloropropane  
 Concen: 48.902 ug/l  
 RT: 10.71 min Scan# 2779  
 Delta R.T. 0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 76 Resp: 259886  
 Ion Ratio Lower Upper  
 76 100  
 78 32.1 26.5 39.7

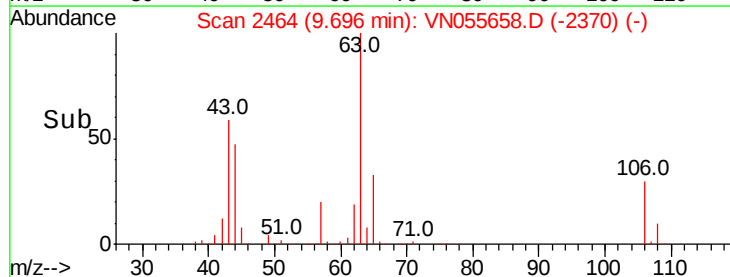
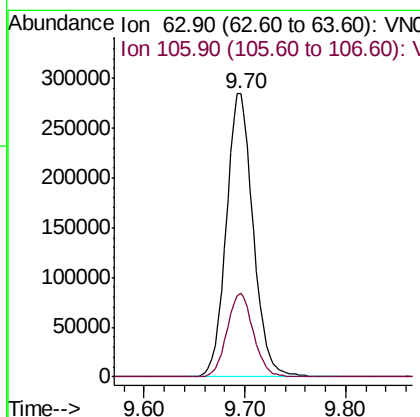
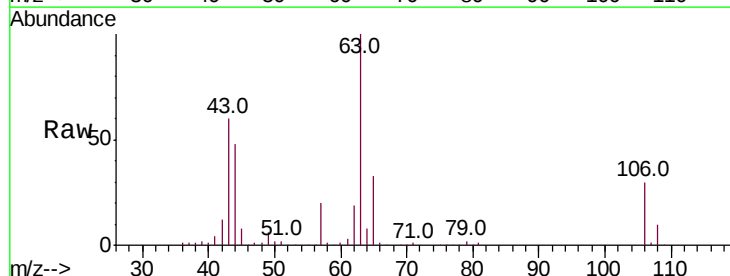
Manual Integrations  
 APPROVED

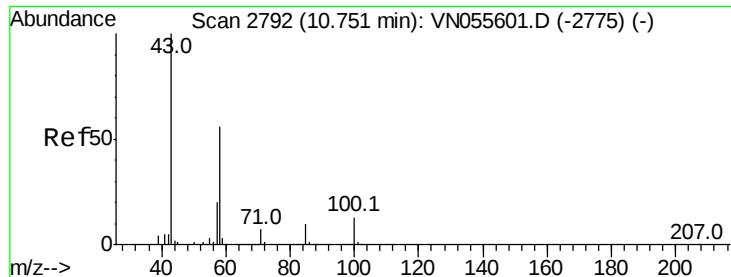
MMDadoda  
 5/20/2019 9:08:07 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 237.296 ug/l  
 RT: 9.70 min Scan# 2464  
 Delta R.T. 0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

Tgt Ion: 63 Resp: 528134  
 Ion Ratio Lower Upper  
 63 100  
 106 29.2 23.0 34.6





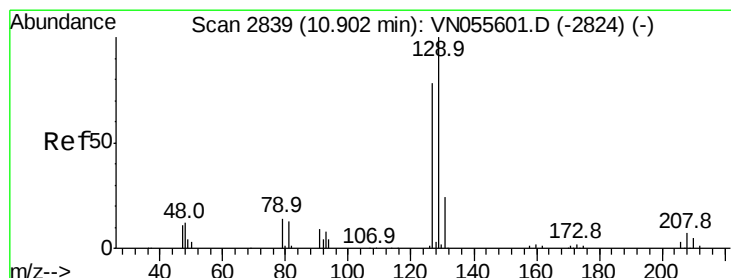
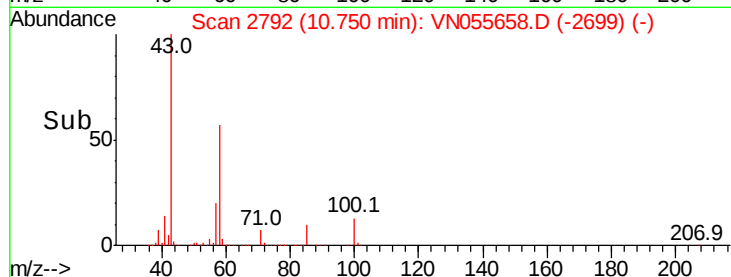
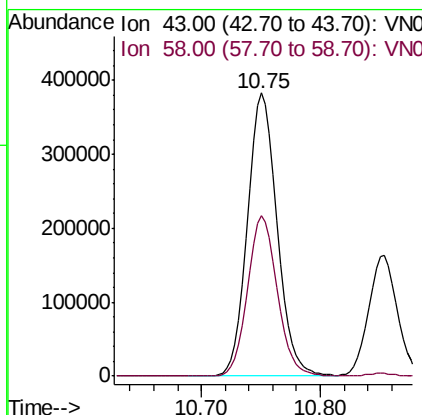
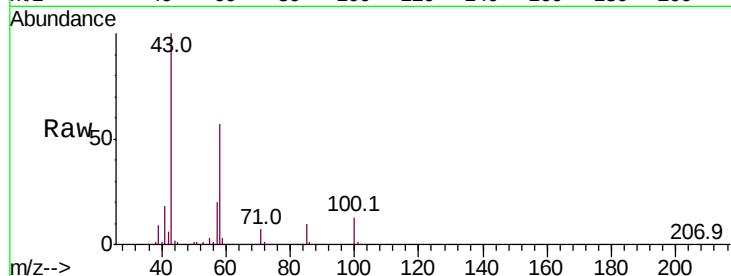
#59  
2-Hexanone  
Concen: 230.246 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 659431  
Ion Ratio Lower Upper  
43 100  
58 56.9 28.1 84.4

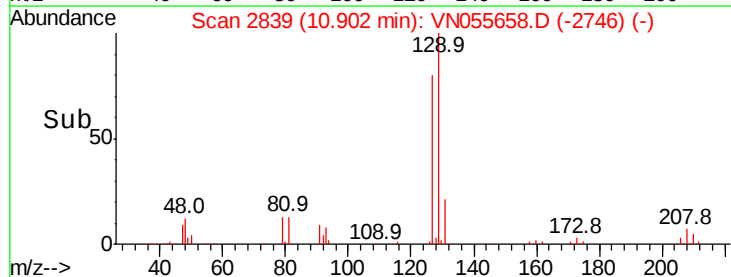
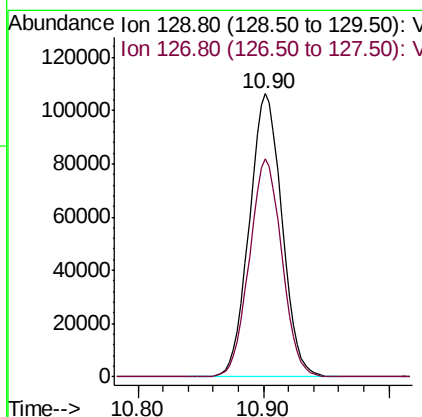
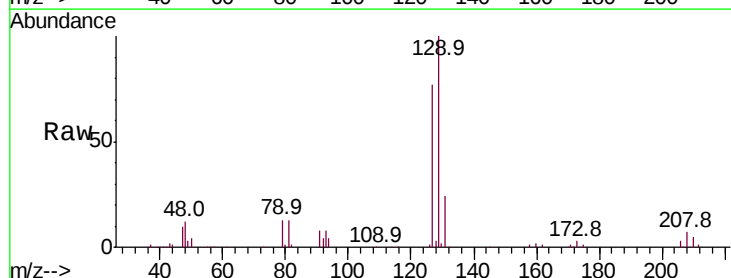
Manual Integrations  
APPROVED

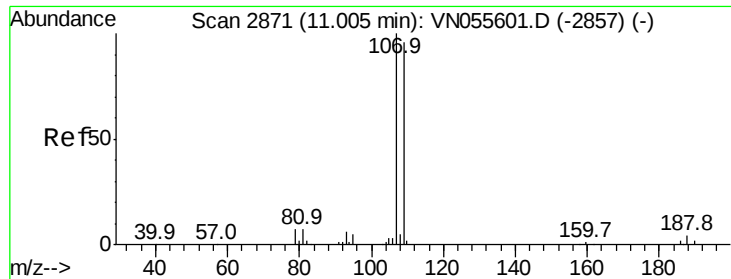
MMDadoda  
5/20/2019 9:08:07 AM



#60  
Dibromochloromethane  
Concen: 50.623 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Tgt Ion: 129 Resp: 192517  
Ion Ratio Lower Upper  
129 100  
127 76.5 38.6 115.8





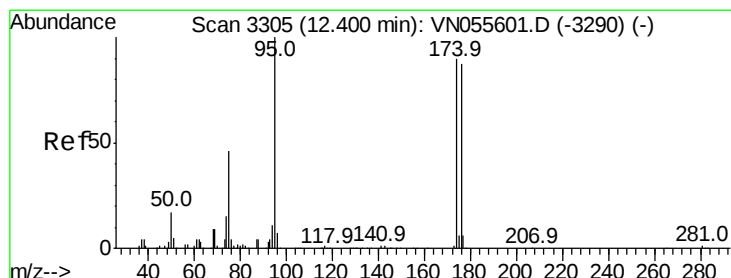
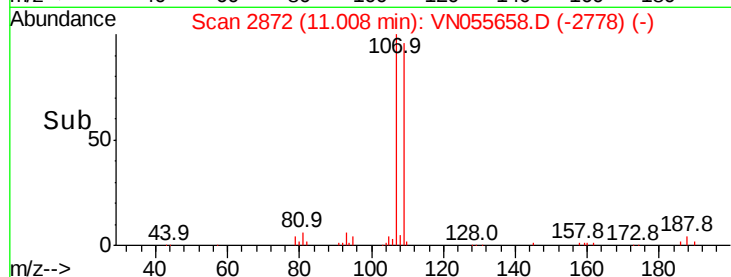
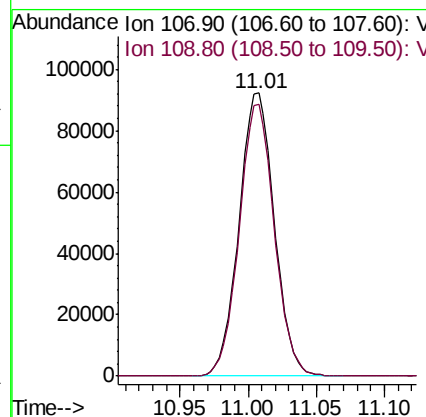
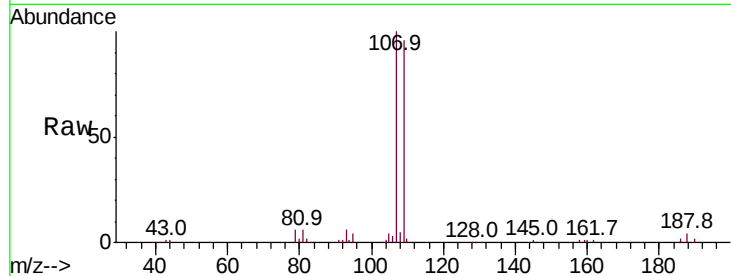
#61  
 1,2-Dibromoethane  
 Concen: 49.423 ug/l  
 RT: 11.01 min Scan# 2872  
 Delta R.T. 0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 165930 |       |       |
| 109     | 95.5  | 75.6   | 113.4 |       |

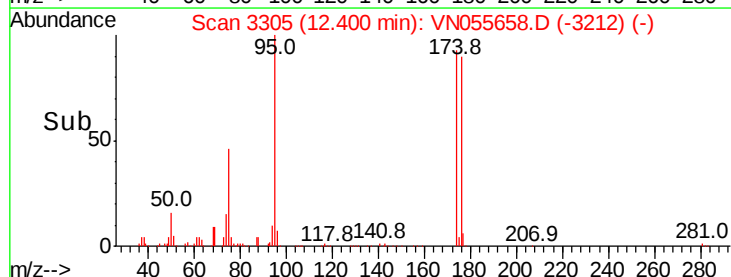
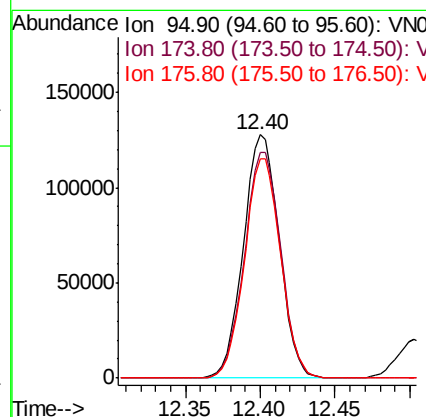
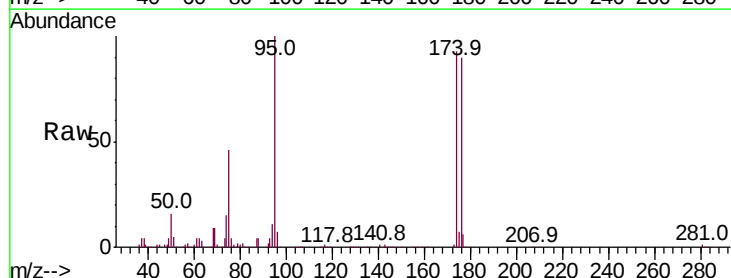
Manual Integrations  
 APPROVED

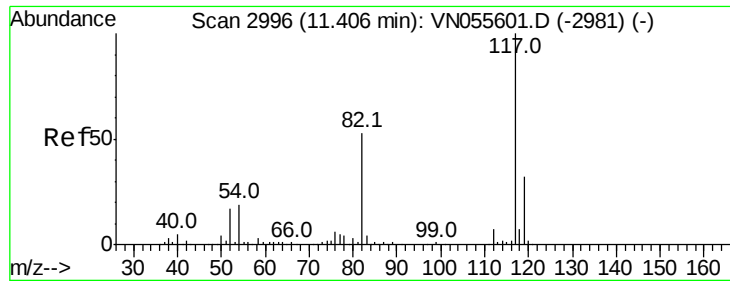
MMDadoda  
 5/20/2019 9:08:07 AM



#62  
 4-Bromofluorobenzene  
 Concen: 51.863 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. -0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 213168 |       |       |
| 174     | 94.2  | 0.0    | 180.6 |       |
| 176     | 90.6  | 0.0    | 177.4 |       |





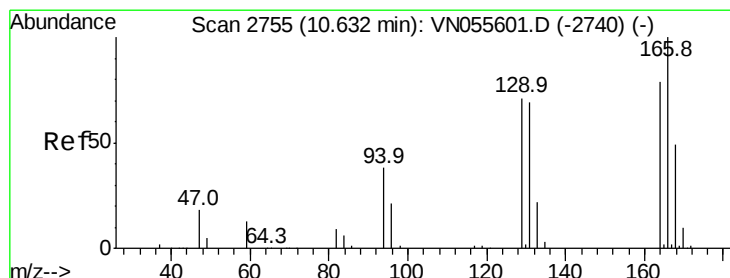
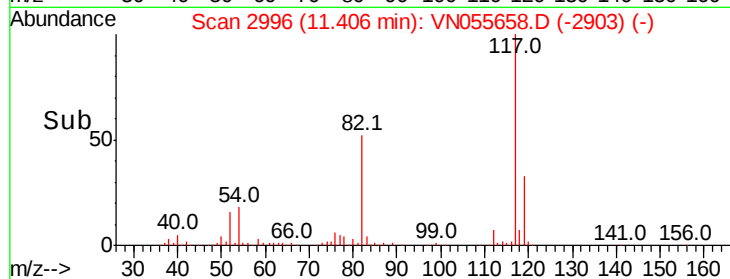
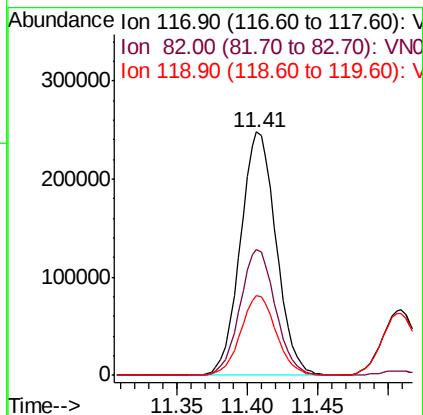
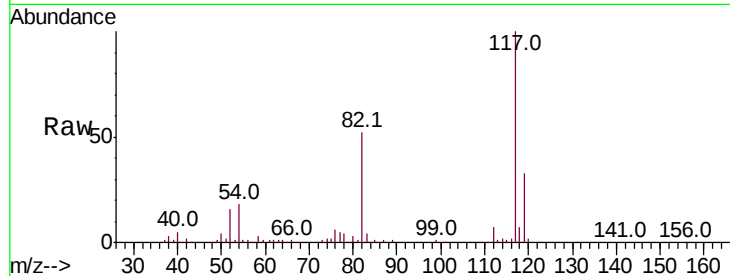
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Instrument :  
MSVOA\_N  
ClientSampleID :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.9  | 42.3  | 63.5  |
| 119     | 32.7  | 25.4  | 38.2  |

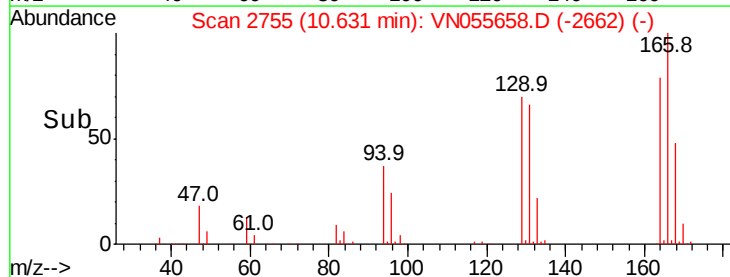
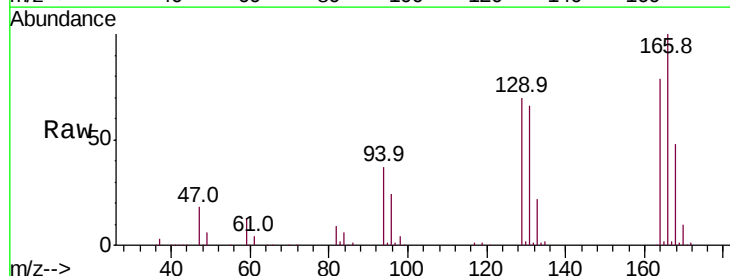
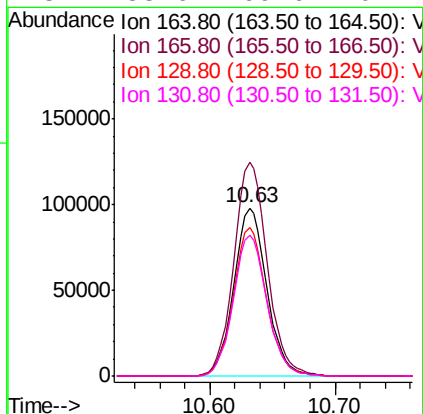
Manual Integrations  
APPROVED

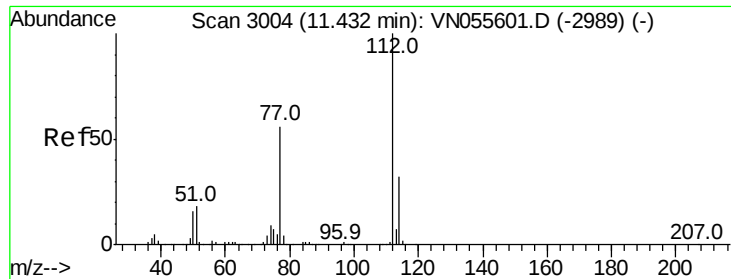
MMDadoda  
5/20/2019 9:08:07 AM



#64  
Tetrachloroethene  
Concen: 51.561 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.3 | 101.0 | 151.6 |
| 129     | 88.6  | 71.7  | 107.5 |
| 131     | 83.6  | 69.6  | 104.4 |





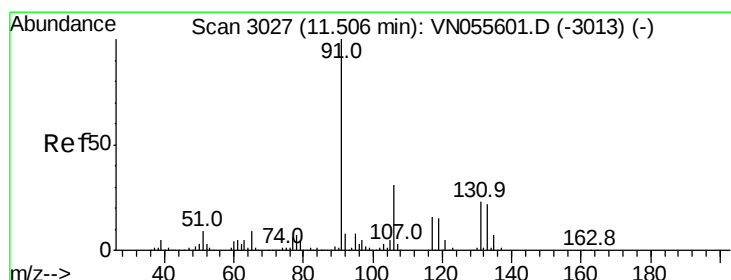
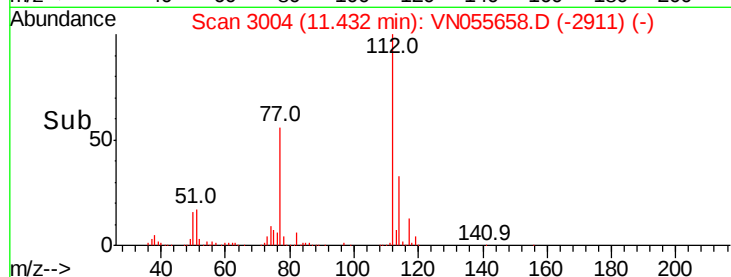
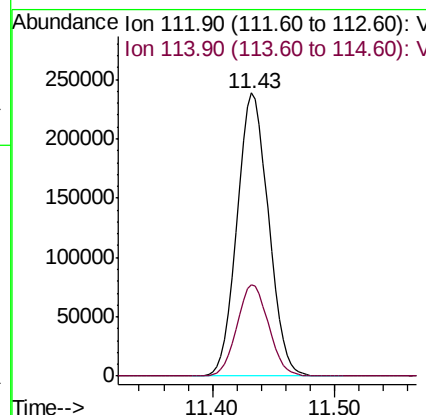
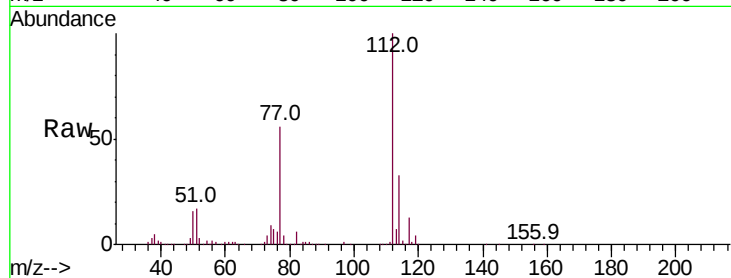
#65  
Chlorobenzene  
Concen: 47.951 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 426715  
Ion Ratio Lower Upper  
112 100  
114 32.5 25.6 38.4

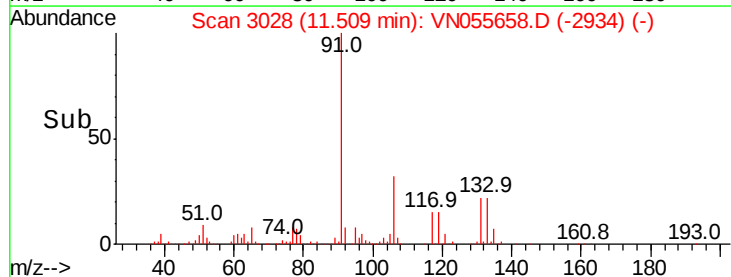
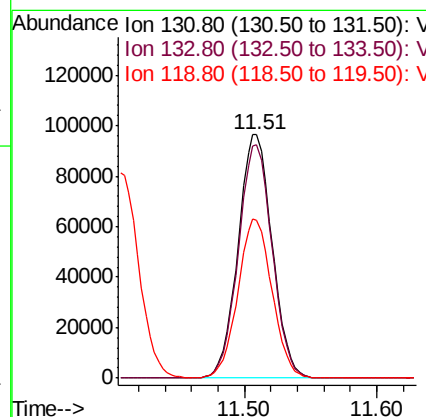
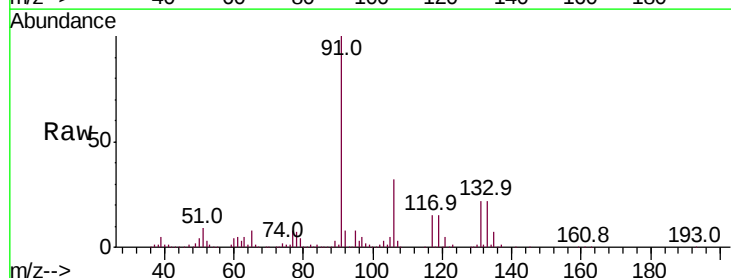
Manual Integrations  
APPROVED

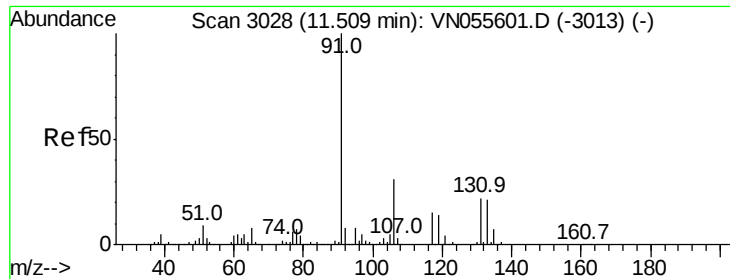
MMDadoda  
5/20/2019 9:08:07 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.056 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Tgt Ion:131 Resp: 172043  
Ion Ratio Lower Upper  
131 100  
133 95.0 47.8 143.4  
119 65.4 33.3 99.8





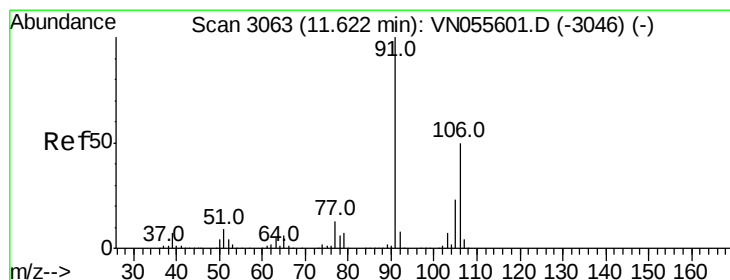
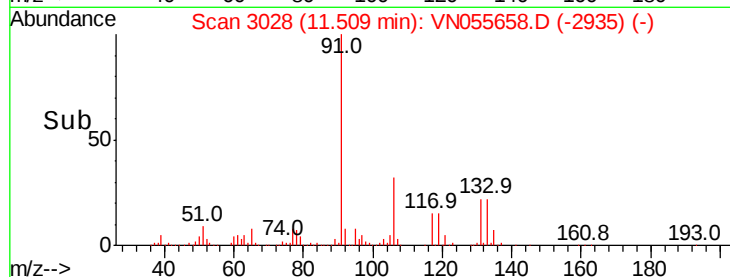
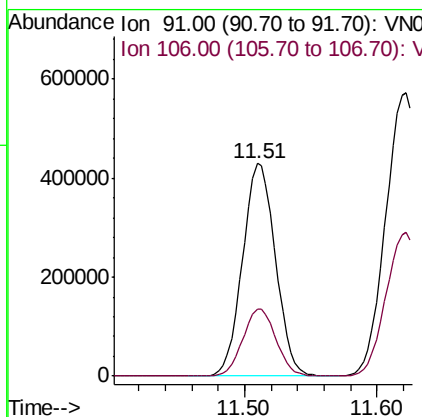
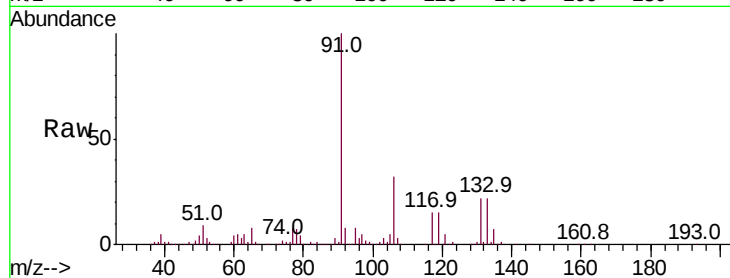
#67  
Ethyl Benzene  
Concen: 46.716 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 31.6  | 25.2  | 37.8  |

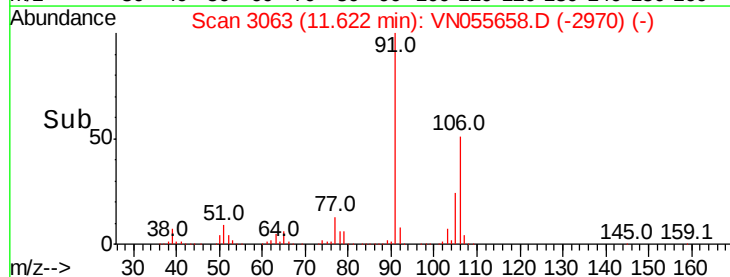
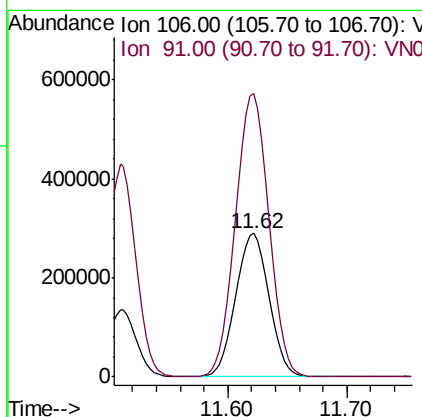
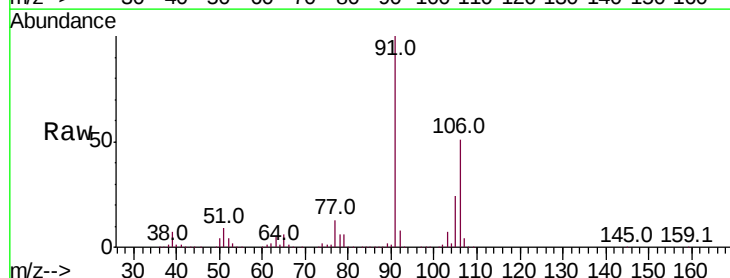
Manual Integrations  
APPROVED

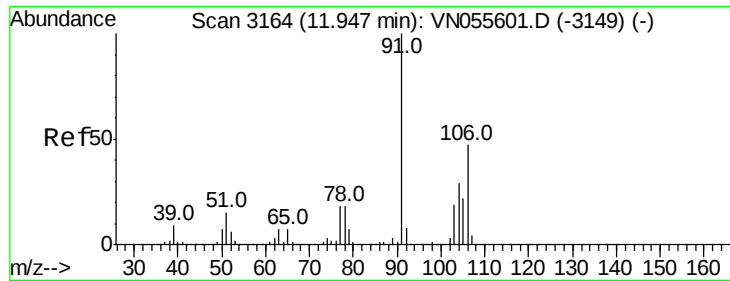
MMDadoda  
5/20/2019 9:08:07 AM



#68  
m/p-Xylenes  
Concen: 93.926 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 197.8 | 160.5 | 240.7 |





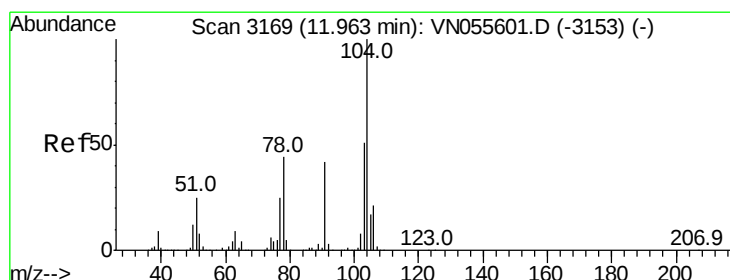
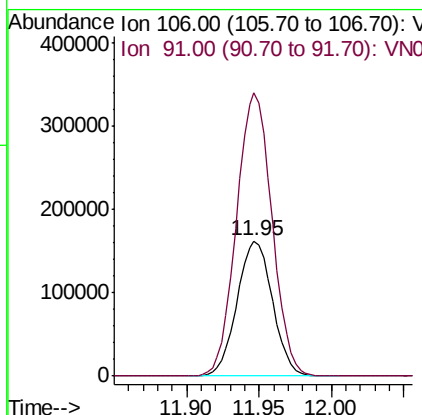
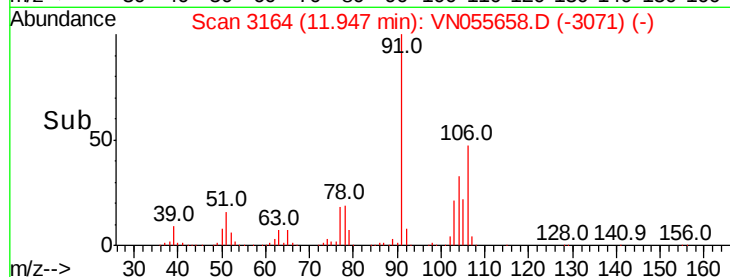
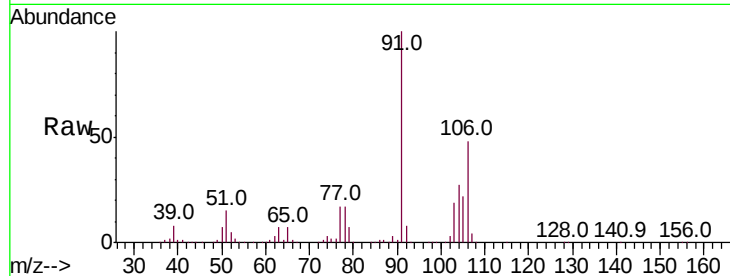
#69  
o-Xylene  
Concen: 47.019 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:106 Resp: 275313  
Ion Ratio Lower Upper  
106 100  
91 209.6 106.7 320.2

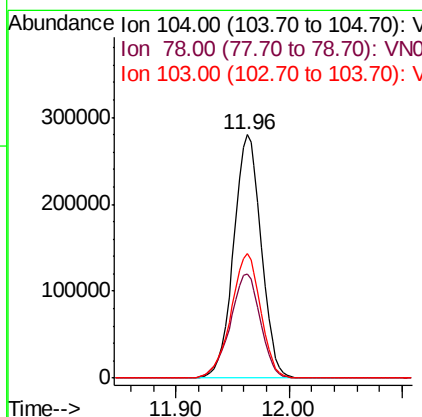
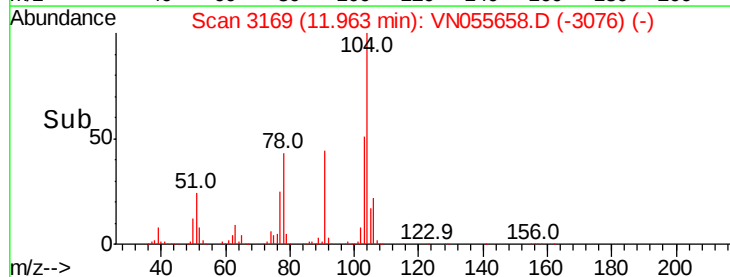
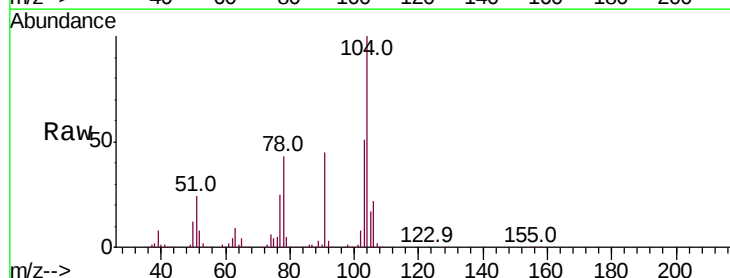
Manual Integrations  
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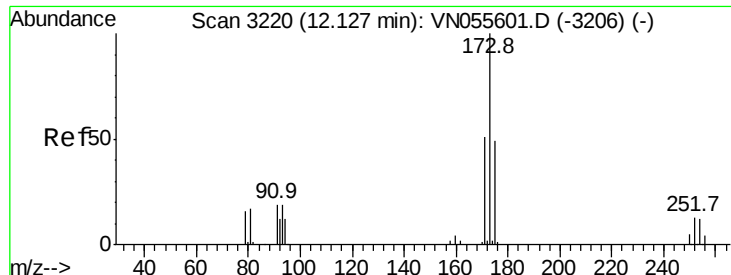
MMDadoda  
5/20/2019 9:08:07 AM



#70  
Styrene  
Concen: 48.848 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Tgt Ion:104 Resp: 475576  
Ion Ratio Lower Upper  
104 100  
78 46.8 38.6 58.0  
103 54.7 44.4 66.6





#71

Bromoform

Concen: 50.603 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 153524

Ion Ratio Lower Upper

173 100

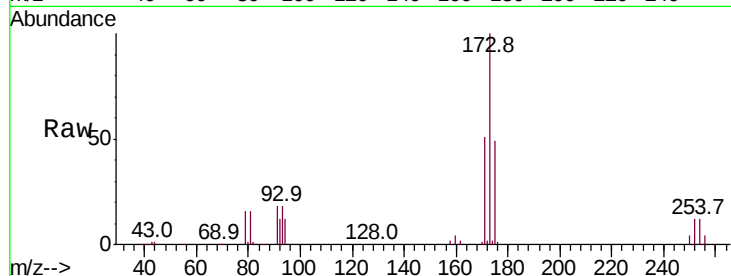
175 48.1 24.3 72.9

254 0.1 0.1 0.1#

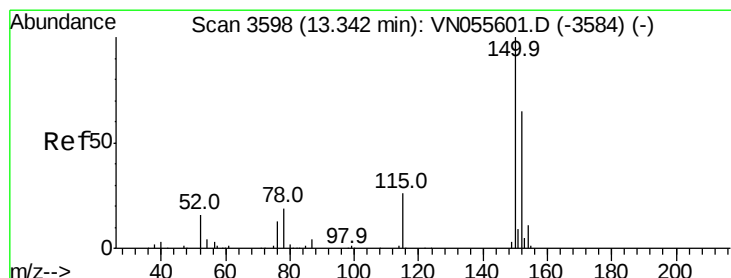
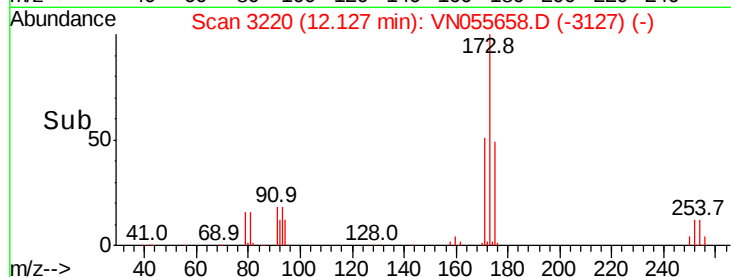
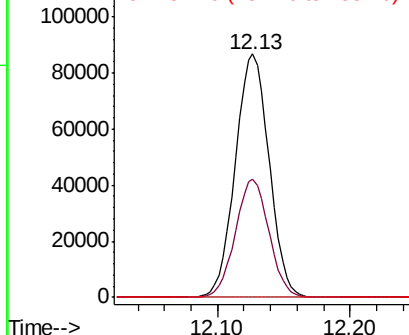
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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

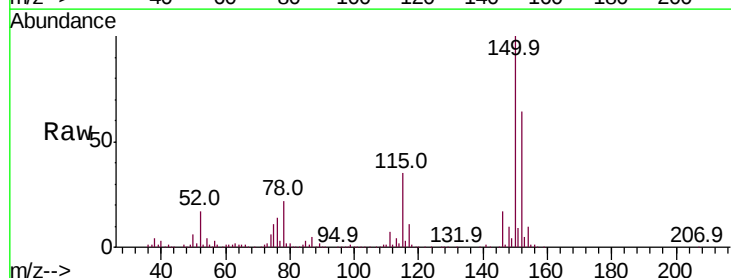
Tgt Ion:152 Resp: 211480

Ion Ratio Lower Upper

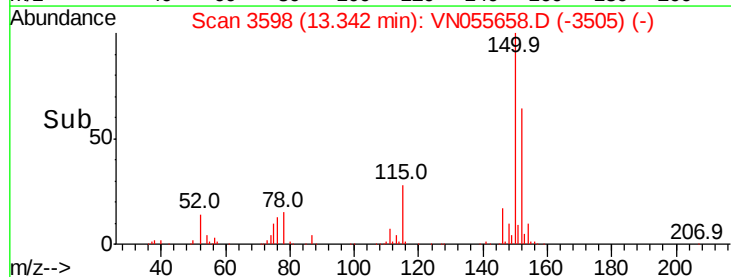
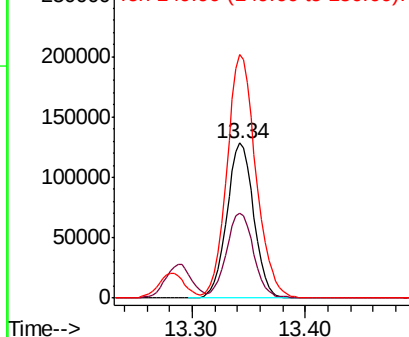
152 100

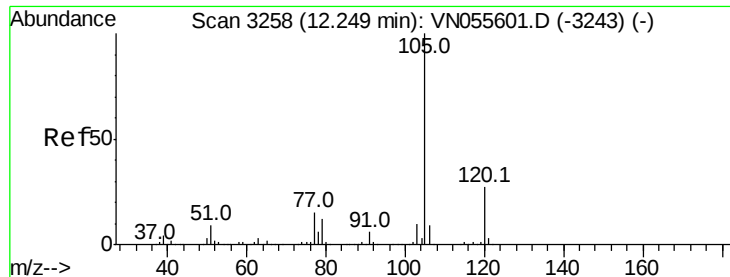
115 55.4 28.1 84.2

150 169.2 0.0 348.0



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: 48.451 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 720144

Ion Ratio Lower Upper

105 100

120 27.3

13.4

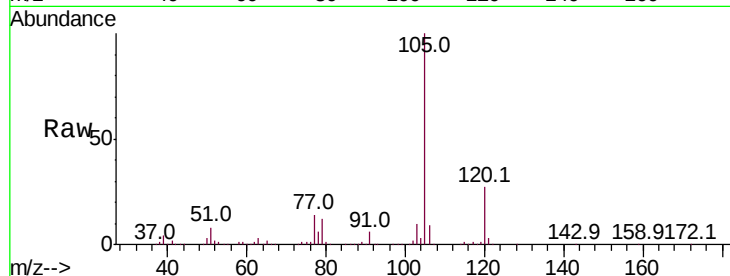
40.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

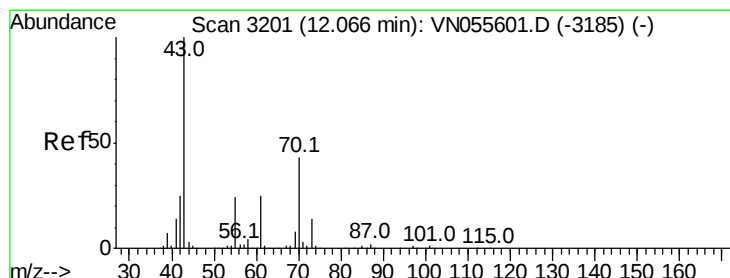
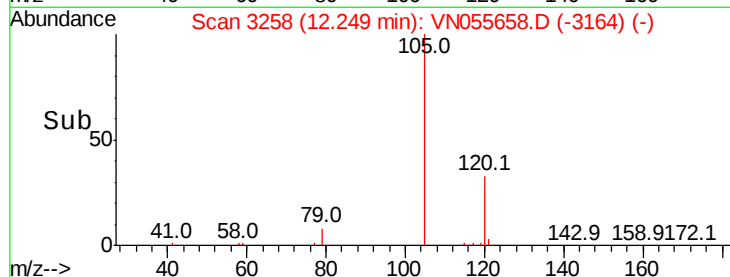
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 45.457 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

Tgt Ion: 43 Resp: 269938

Ion Ratio Lower Upper

43 100

70 44.8

35.0

52.6

55 24.1

18.9

28.3

61 25.9

20.1

30.1

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

250000

200000

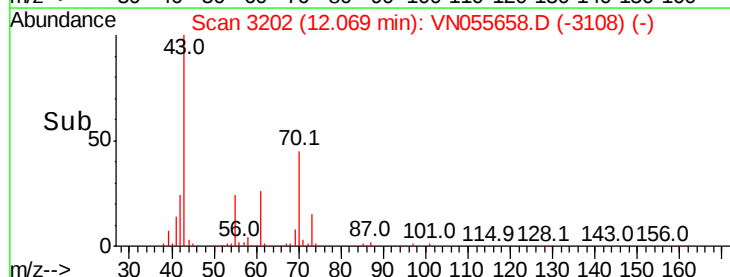
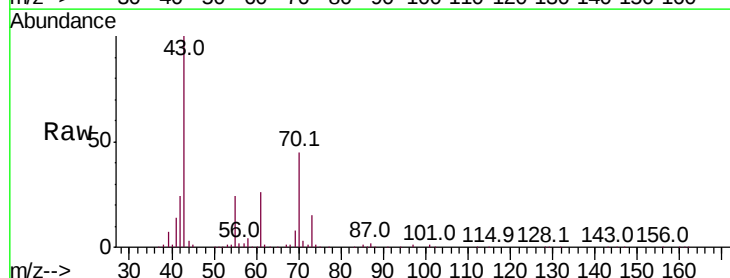
150000

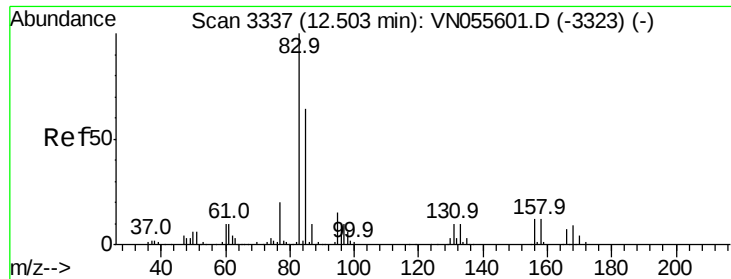
100000

50000

0

Time--> 12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 48.202 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

Instrument :

MSVOA\_N

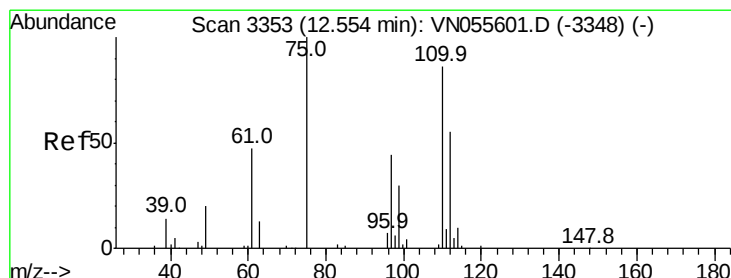
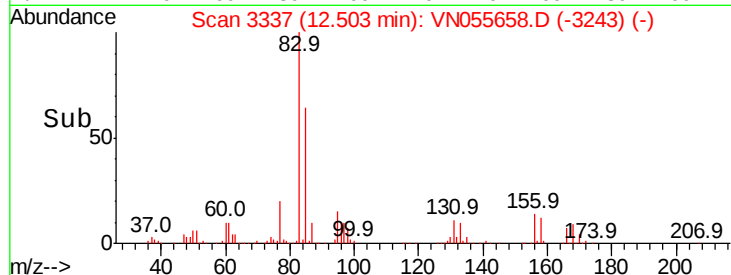
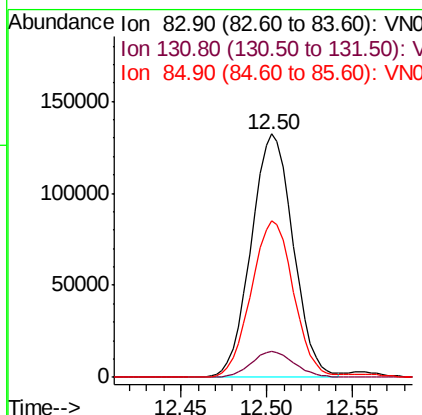
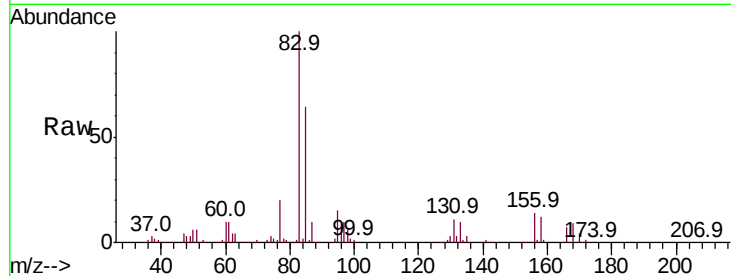
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 224235 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 11.2  | 5.3   | 16.1   |
| 85        | 64.6  | 32.0  | 96.2   |

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#76

1,2,3-Trichloropropane

Concen: 44.015 ug/l m

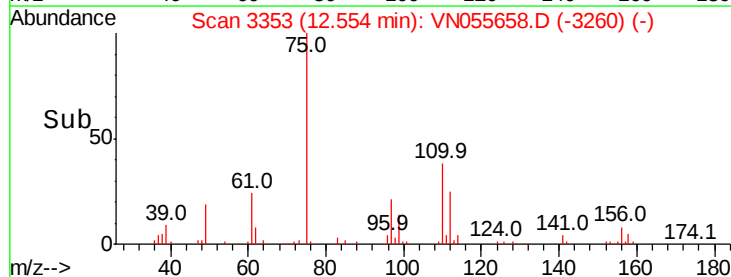
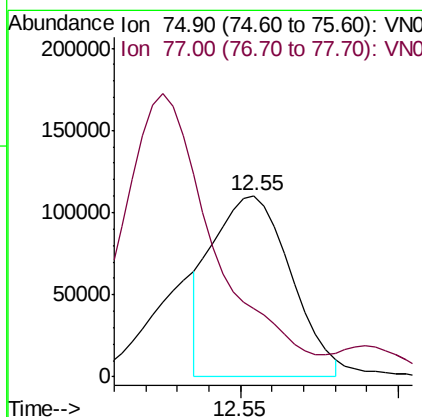
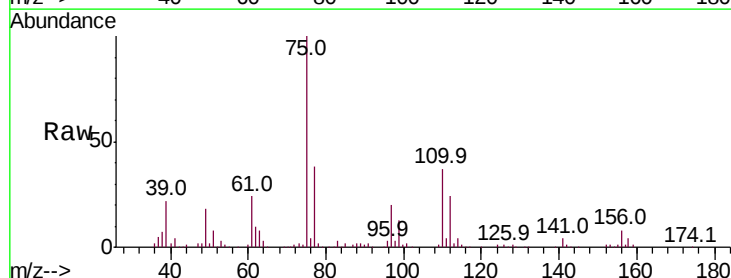
RT: 12.55 min Scan# 3353

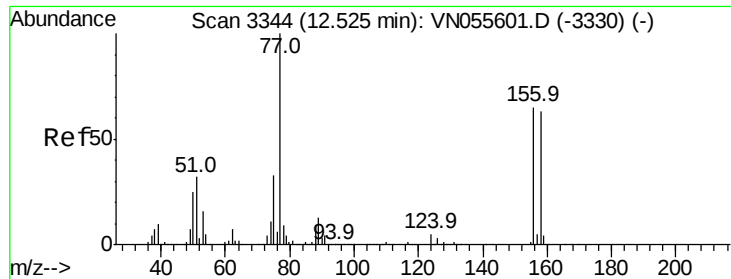
Delta R.T. -0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 189936 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 51.392 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

Instrument :

MSVOA\_N

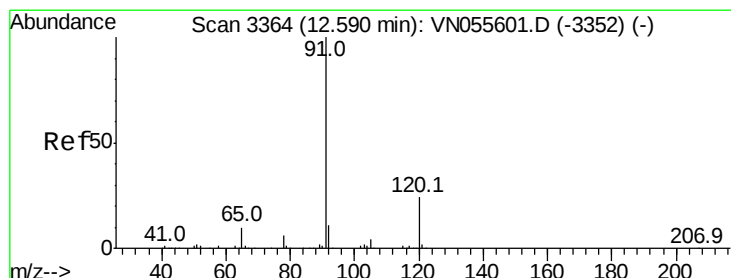
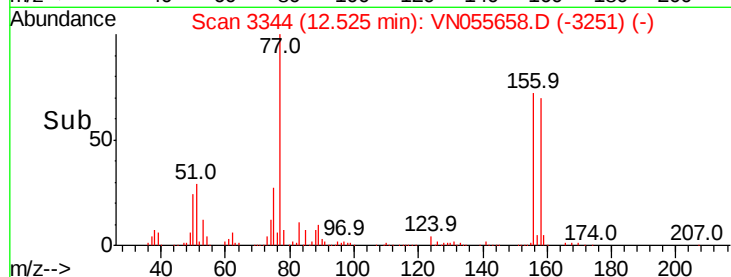
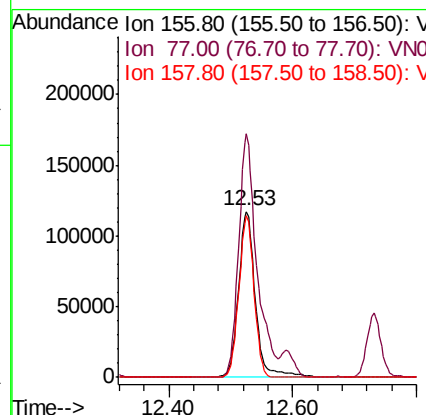
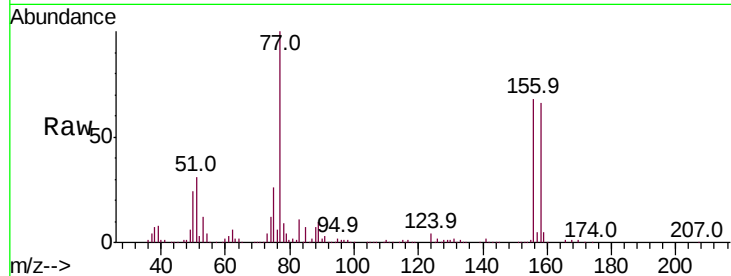
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 223207 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 158.2 | 94.5  | 283.5  |
| 158       | 87.0  | 49.0  | 147.2  |

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#78

n-propylbenzene

Concen: 41.704 ug/l

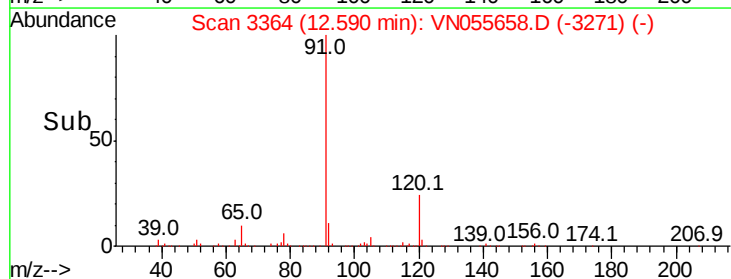
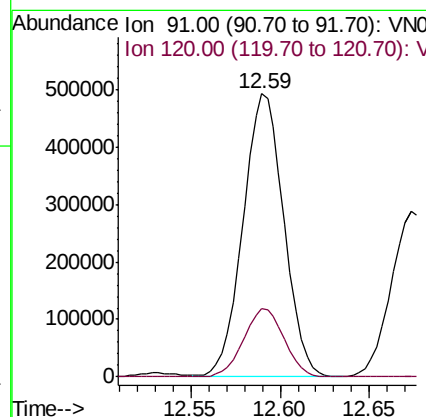
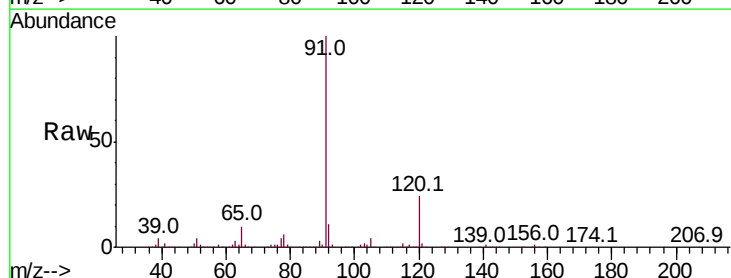
RT: 12.59 min Scan# 3364

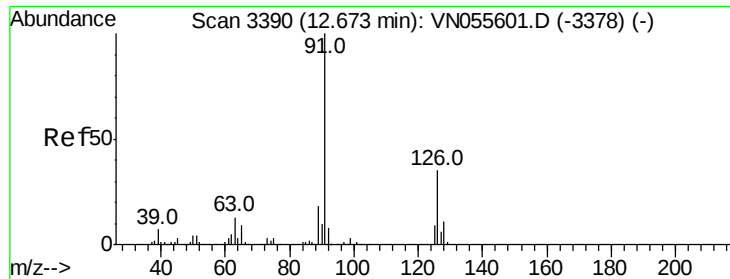
Delta R.T. -0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 783207 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 24.2  | 11.9  | 35.5   |





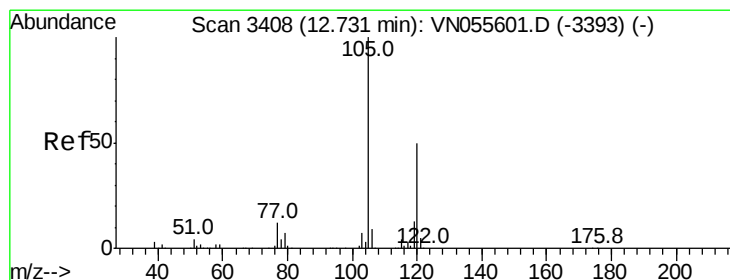
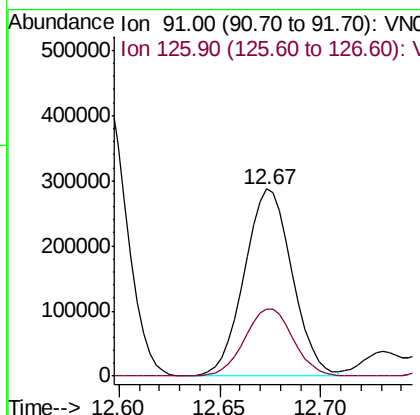
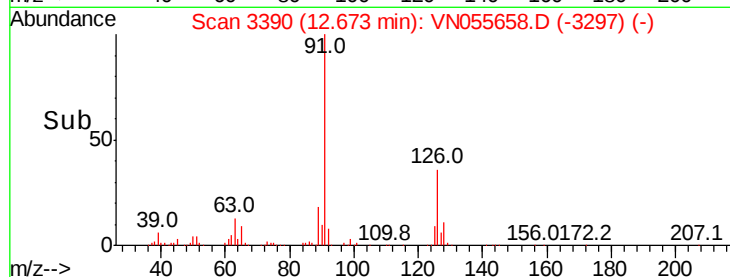
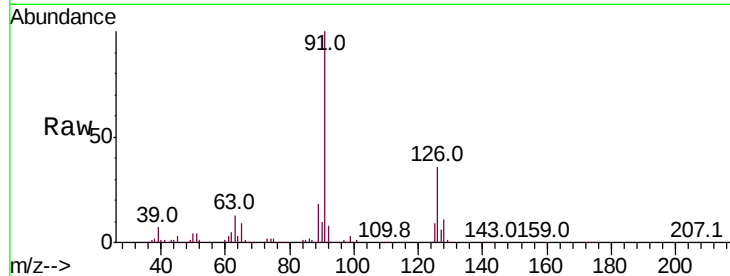
#79  
2-Chlorotoluene  
Concen: 47.108 ug/l  
RT: 12.67 min Scan# 3390  
Delta R.T. 0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 474445  
Ion Ratio Lower Upper  
91 100  
126 36.7 17.8 53.4

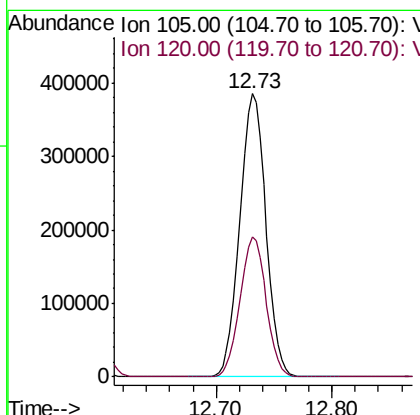
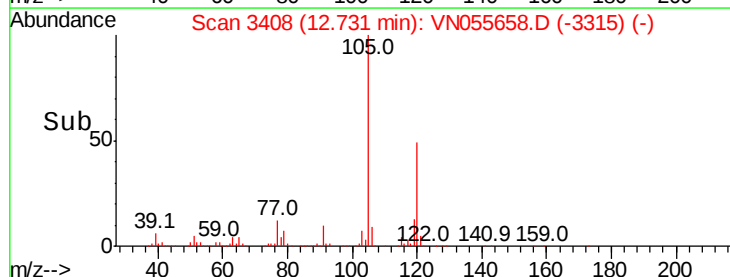
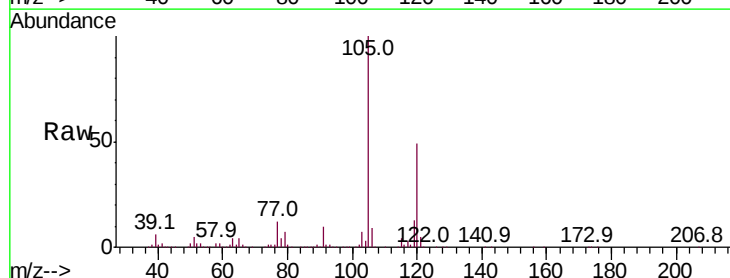
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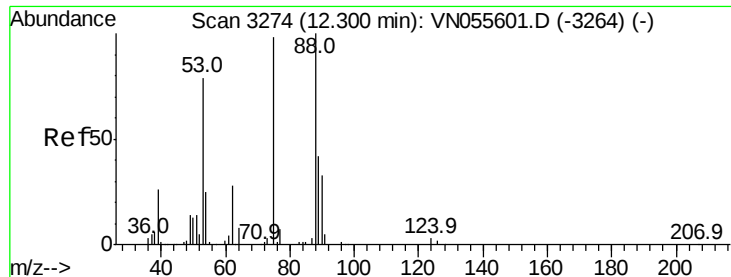
MMDadoda  
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#80  
1,3,5-Trimethylbenzene  
Concen: 47.294 ug/l  
RT: 12.73 min Scan# 3408  
Delta R.T. 0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Tgt Ion:105 Resp: 600984  
Ion Ratio Lower Upper  
105 100  
120 49.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 34.180 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

Instrument :

MSVOA\_N

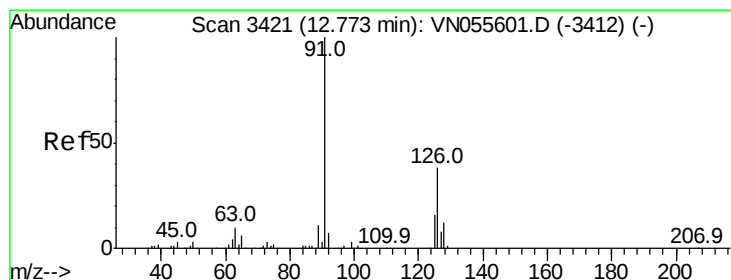
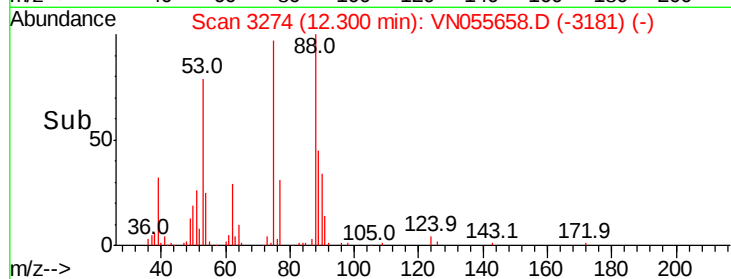
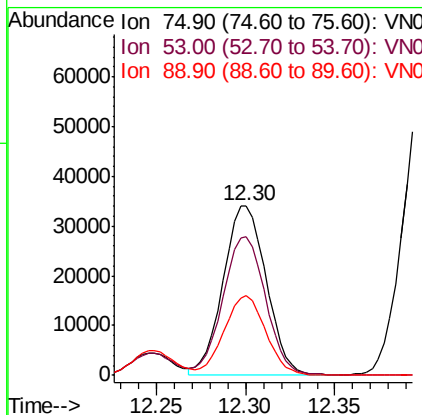
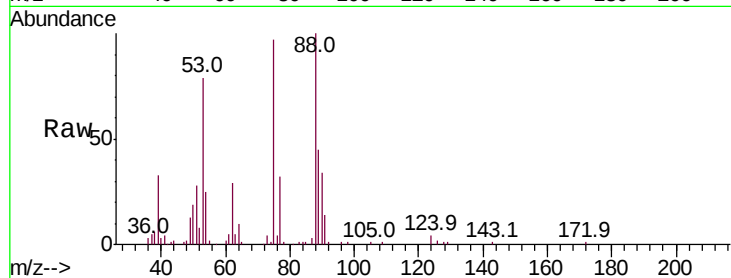
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 57378 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 81.4  | 65.1  | 97.7  |
| 89       | 45.2  | 36.4  | 54.6  |

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#82

4-Chlorotoluene

Concen: 42.884 ug/l

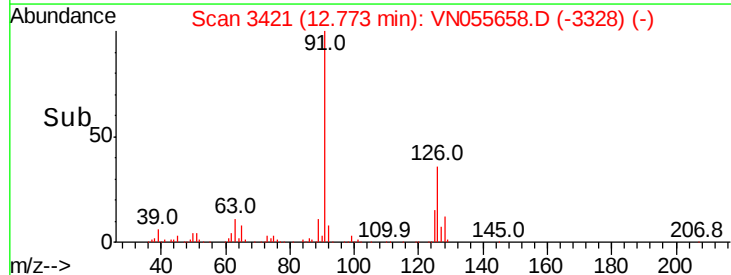
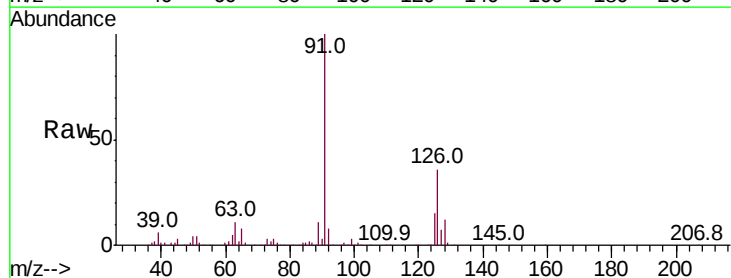
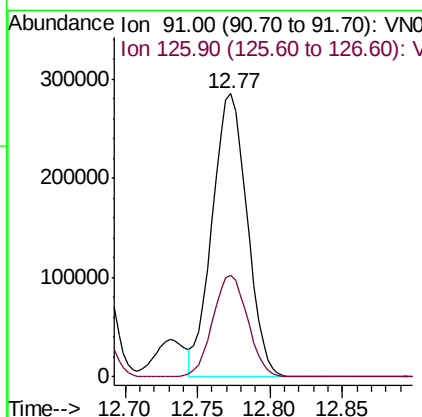
RT: 12.77 min Scan# 3421

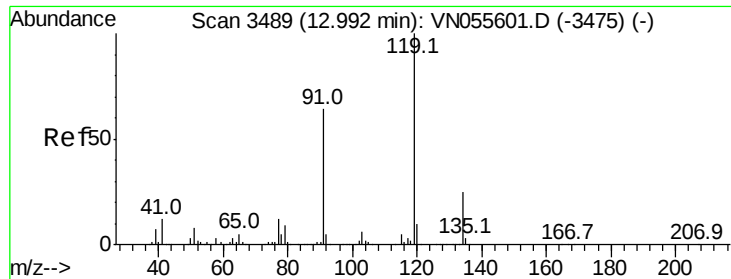
Delta R.T. -0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 474520 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 35.9  | 17.5  | 52.6   |





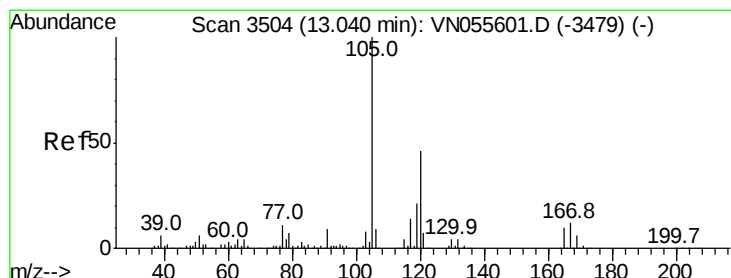
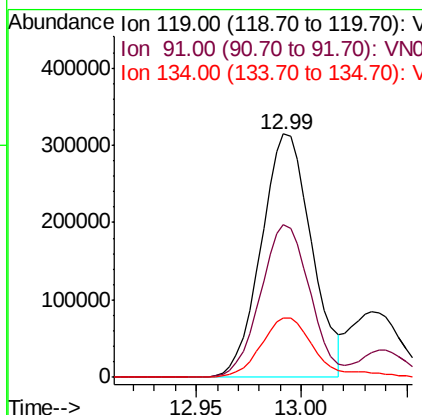
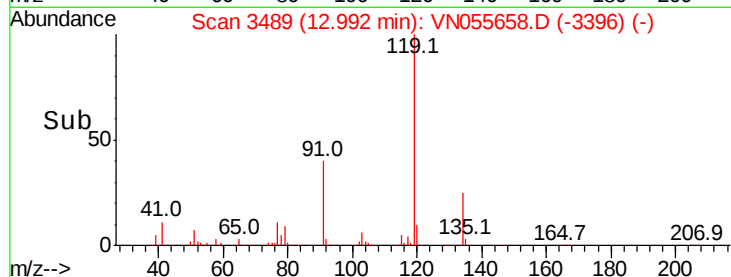
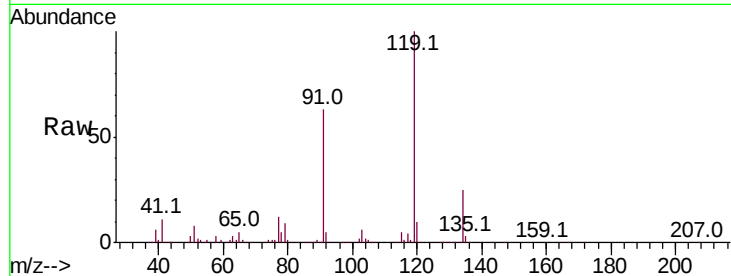
#83  
tert-Butylbenzene  
Concen: 48.444 ug/l  
RT: 12.99 min Scan# 3489  
Delta R.T. 0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 522316 |       |       |
| 91      | 61.6  | 31.3   | 93.8  |       |
| 134     | 26.1  | 13.2   | 39.6  |       |

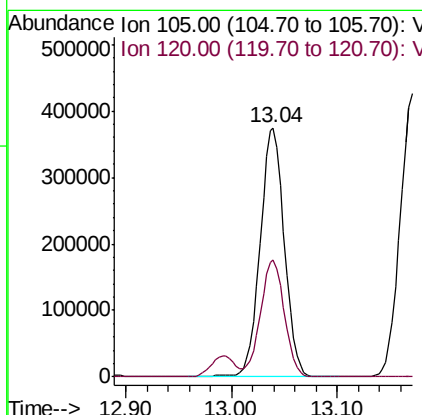
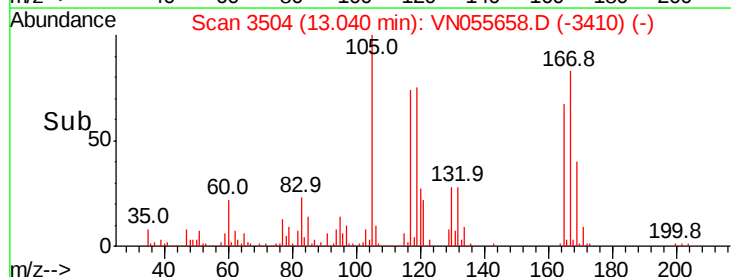
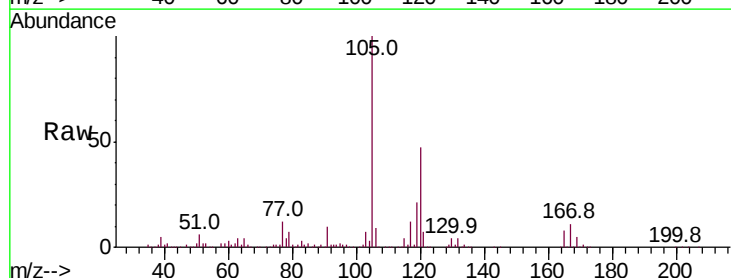
Manual Integrations  
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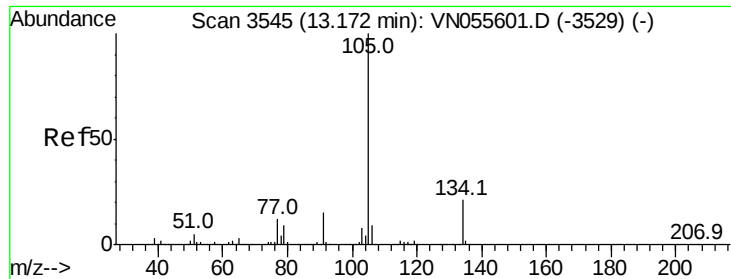
MMDadoda  
5/20/2019 9:08:07 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 47.152 ug/l  
RT: 13.04 min Scan# 3504  
Delta R.T. 0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 598136 |       |       |
| 120     | 46.5  | 23.1   | 69.2  |       |





#85

sec-Butylbenzene

Concen: 47.106 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 667757

Ion Ratio Lower Upper

105 100

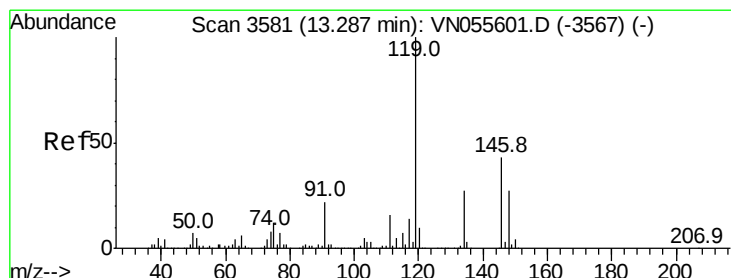
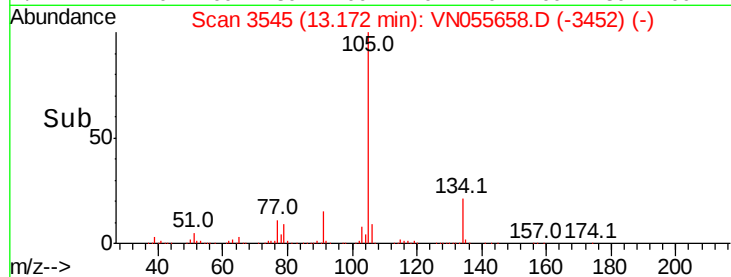
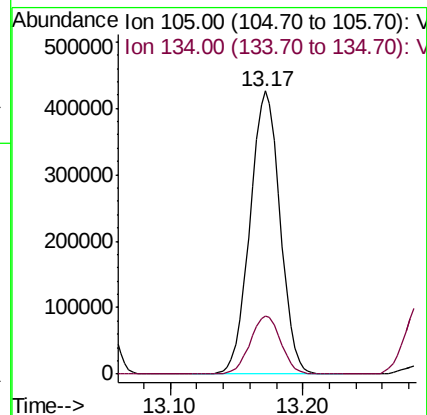
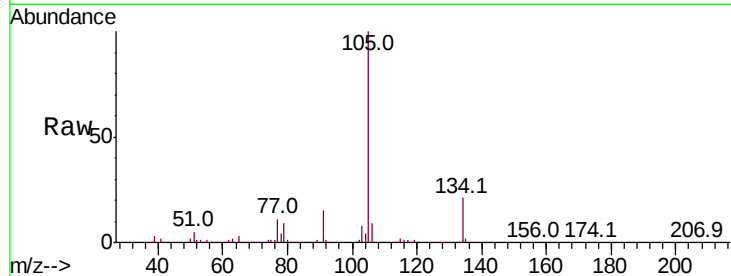
134 21.0 10.3 30.9

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#86

p-Isopropyltoluene

Concen: 45.963 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

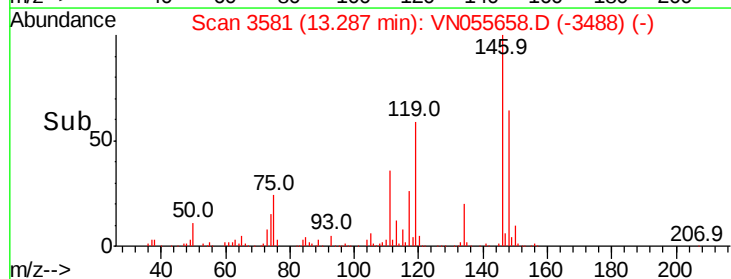
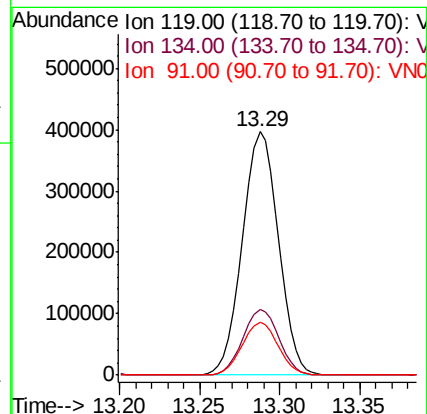
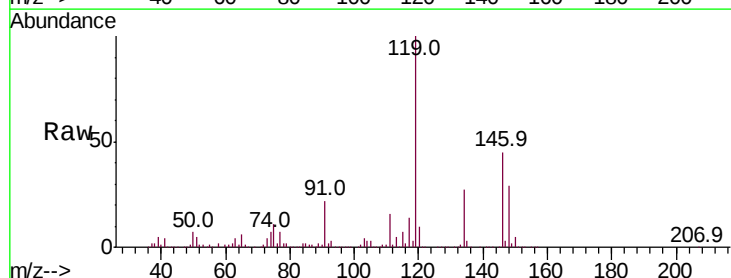
Tgt Ion:119 Resp: 606892

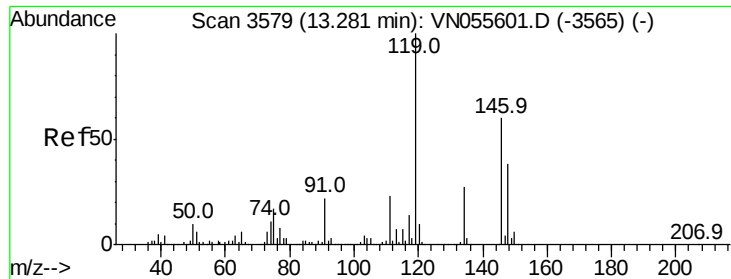
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

91 21.7 11.0 33.0





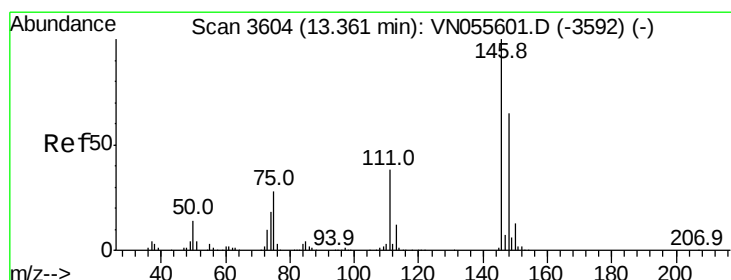
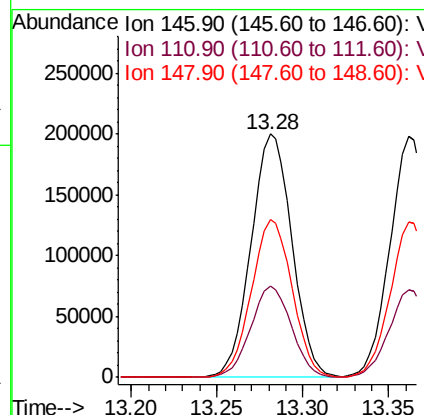
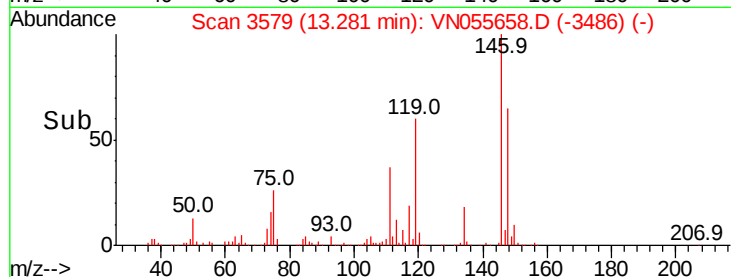
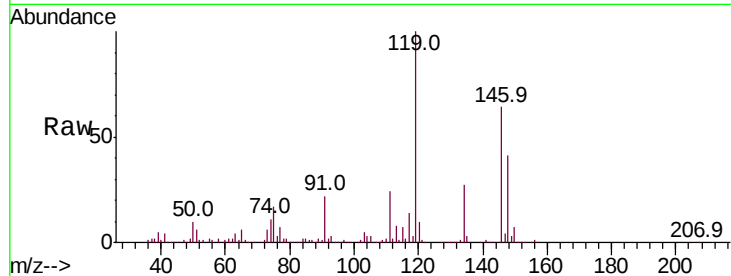
#87  
 1,3-Dichlorobenzene  
 Concen: 45.961 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. -0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.3  | 18.9  | 56.9  |
| 148     | 64.4  | 31.9  | 95.9  |

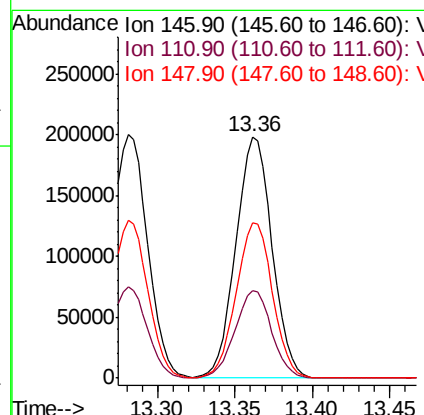
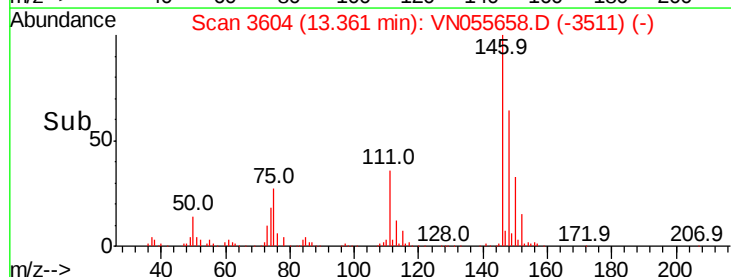
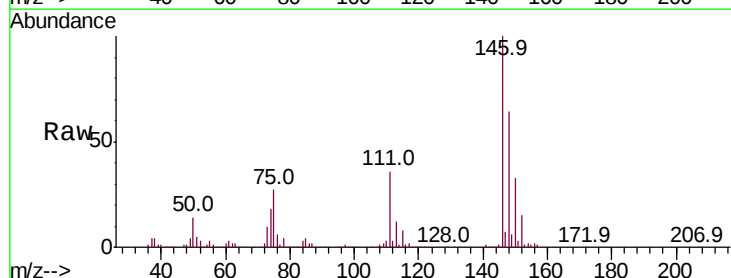
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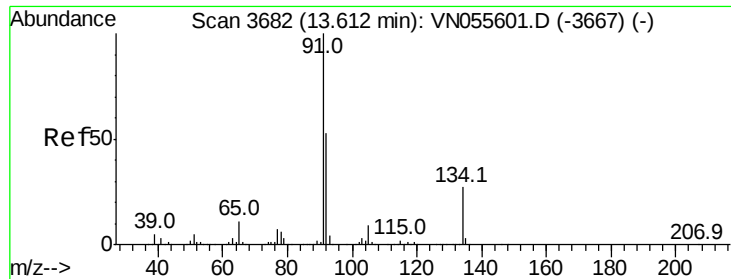
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#88  
 1,4-Dichlorobenzene  
 Concen: 46.901 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. -0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.4  | 18.8  | 56.4  |
| 148     | 64.8  | 32.4  | 97.0  |





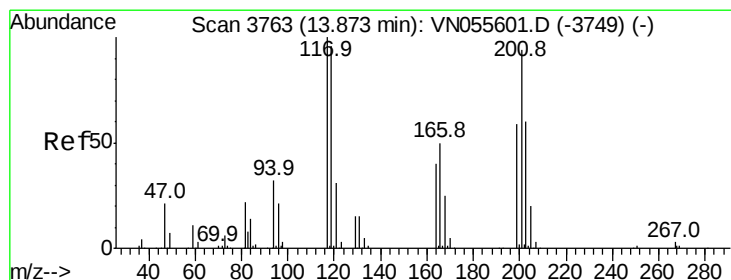
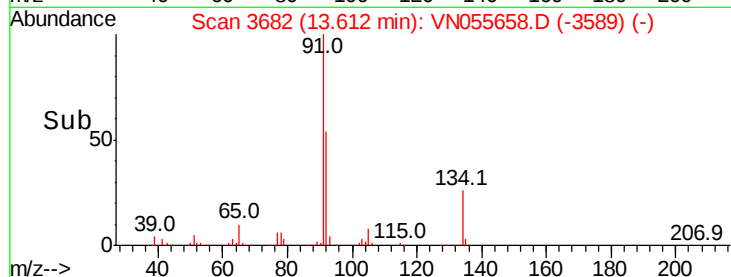
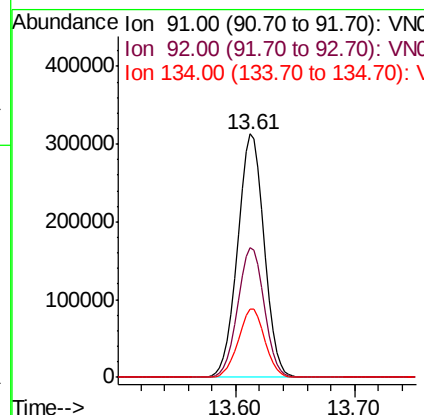
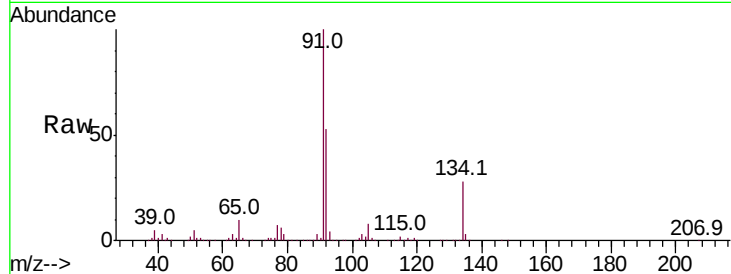
#89  
n-Butylbenzene  
Concen: 41.579 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. -0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.3  | 26.4  | 79.0  |
| 134     | 28.0  | 13.7  | 41.1  |

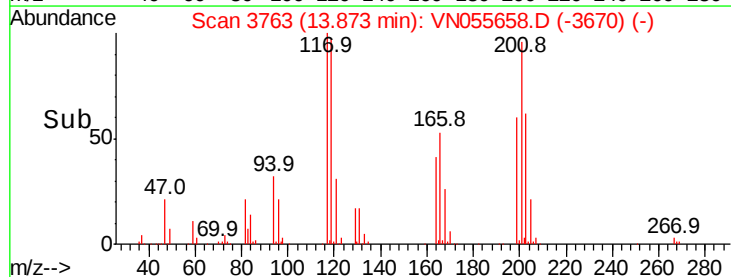
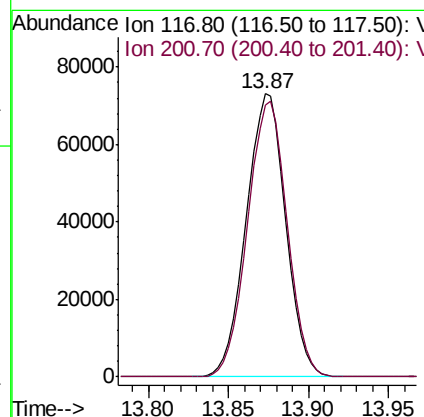
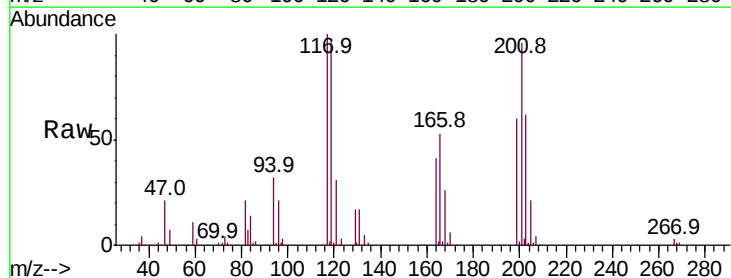
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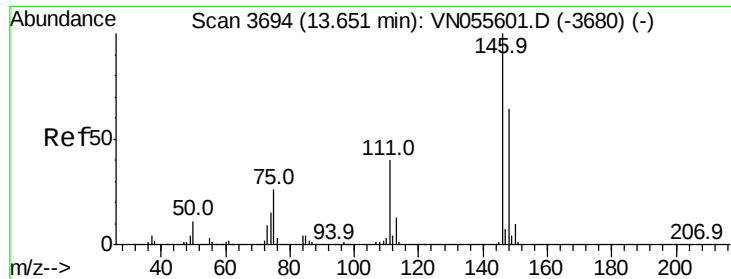
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#90  
Hexachloroethane  
Concen: 48.775 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN055658.D  
Acq: 18 May 2019 11:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 97.8  | 47.1  | 141.3 |





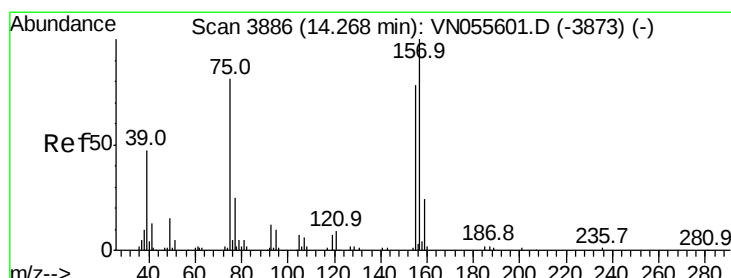
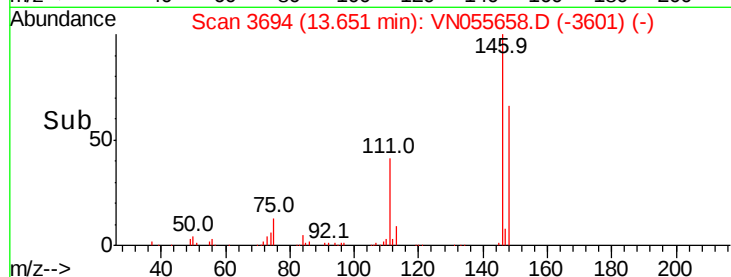
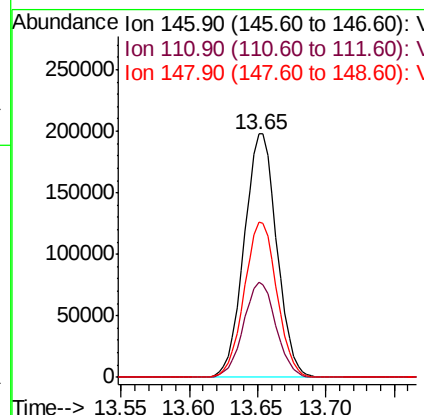
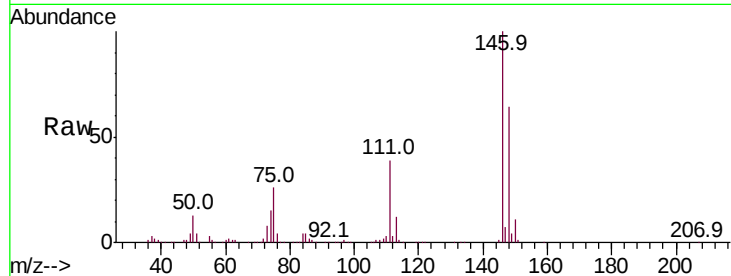
#91  
 1,2-Dichlorobenzene  
 Concen: 45.757 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. -0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.8  | 19.7  | 59.0  |
| 148     | 64.0  | 32.1  | 96.3  |

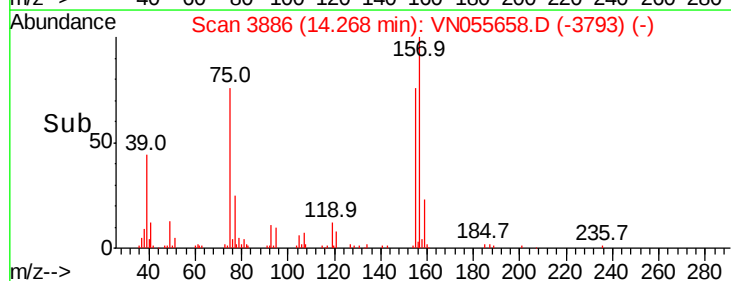
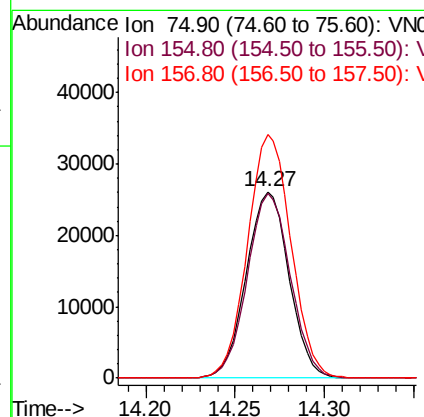
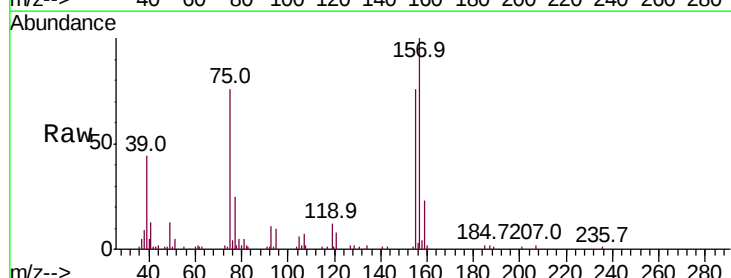
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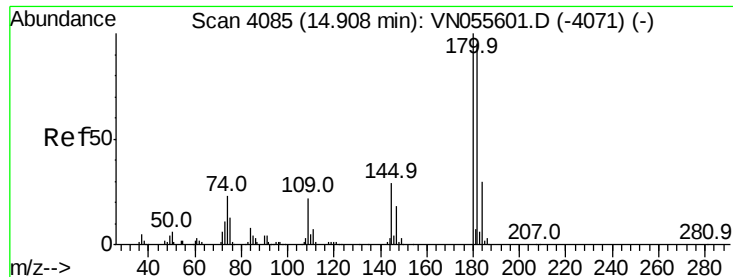
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 45.507 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. -0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 99.9  | 48.4  | 145.0 |
| 157     | 133.0 | 62.3  | 186.8 |





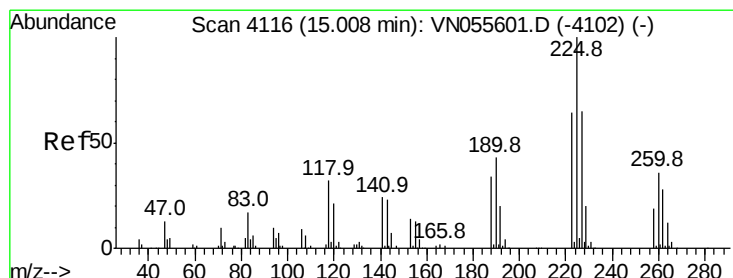
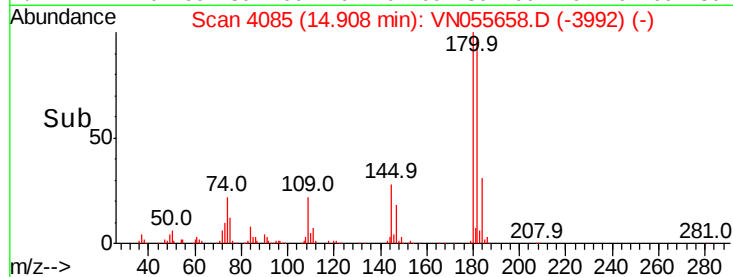
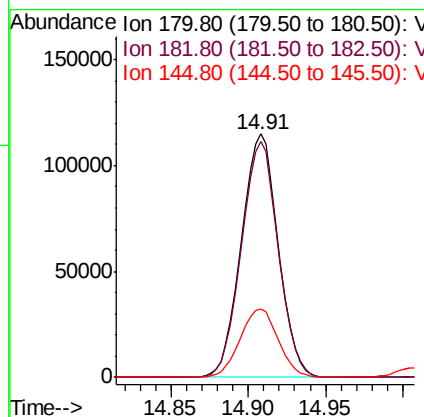
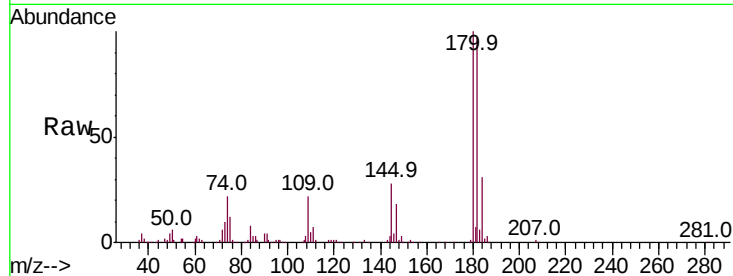
#93  
 1,2,4-Trichlorobenzene  
 Concen: 52.233 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. -0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 96.5  | 47.9 | 143.6 |       |
| 145     | 29.1  | 14.3 | 42.9  |       |

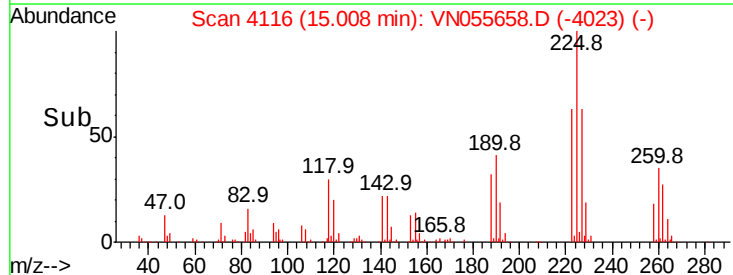
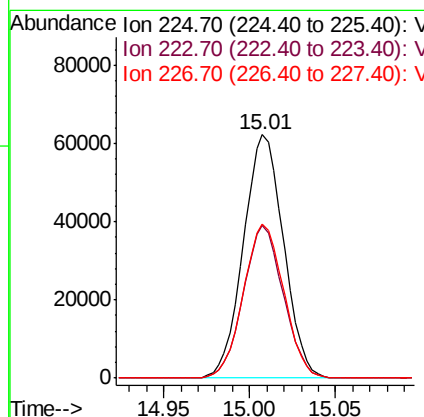
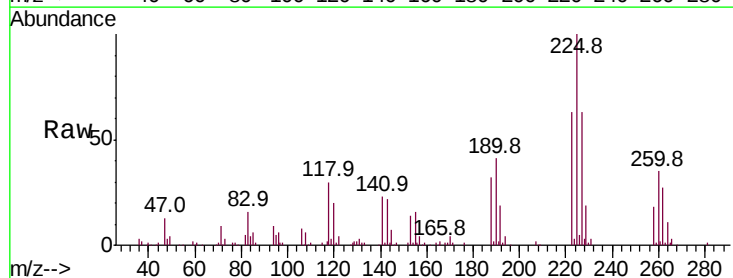
Manual Integrations  
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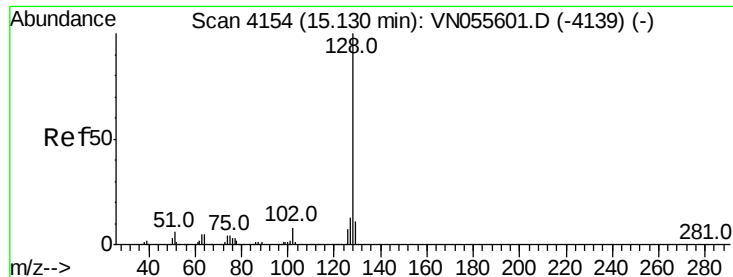
MMDadoda  
 5/20/2019 9:08:07 AM



#94  
 Hexachlorobutadiene  
 Concen: 45.664 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN055658.D  
 Acq: 18 May 2019 11:11

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 62.4  | 31.6 | 94.7  |       |
| 227     | 63.6  | 32.4 | 97.0  |       |





#95

Naphthalene

Concen: 48.740 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

Instrument :

MSVOA\_N

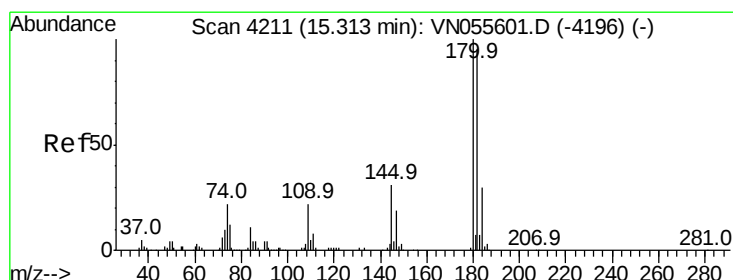
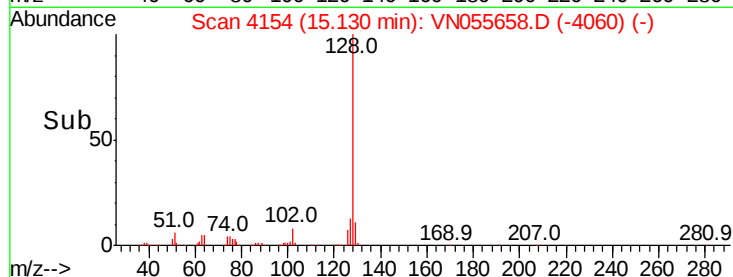
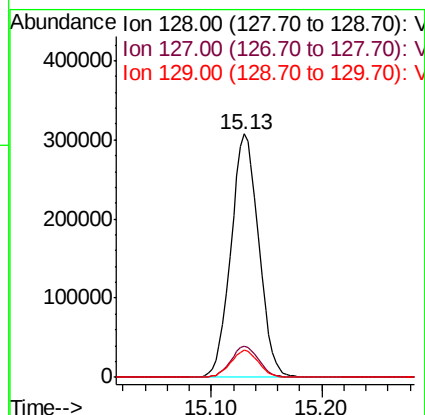
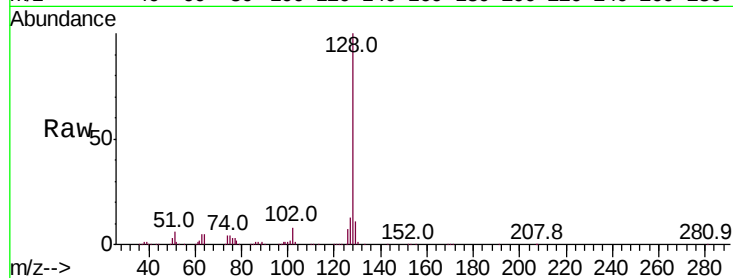
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 535487 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.0  | 10.2  | 15.4   |
| 129       | 11.3  | 8.6   | 12.8   |

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#96

1,2,3-Trichlorobenzene

Concen: 50.757 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055658.D

Acq: 18 May 2019 11:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 193380 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.8  | 47.9  | 143.6  |
| 145       | 30.0  | 15.4  | 46.1   |

