

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\  
 Data File : VN055448.D  
 Acq On : 7 May 2019 19:41  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 5/8/2019 10:19:32 AM

Quant Time: May 08 07:28:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 30 07:16:52 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 354380   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 579522   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 499691   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 217573   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 248989   | 53.71 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.42% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 193710   | 50.93 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.86% |      |
| 50) Toluene-d8              | 10.09  | 98  | 684330   | 49.82 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.64%  |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 240389   | 56.00 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 112.00% |      |

| Target Compounds              |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 200110  | 46.088  | ug/l   | 100    |
| 3) Chloromethane              | 2.06 | 50  | 238052  | 44.277  | ug/l   | 98     |
| 4) Vinyl Chloride             | 2.19 | 62  | 193510  | 44.651  | ug/l   | 97     |
| 5) Bromomethane               | 2.54 | 94  | 122142  | 53.207  | ug/l   | 97     |
| 6) Chloroethane               | 2.69 | 64  | 109614  | 46.689  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 291466  | 47.297  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 119584  | 55.465  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 178275  | 48.580  | ug/l   | 99     |
| 10) Methyl Iodide             | 3.95 | 142 | 244130  | 47.271  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 4.80 | 59  | 114461  | 431.230 | ug/l # | 84     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 168921  | 48.254  | ug/l   | 98     |
| 13) Acrolein                  | 3.61 | 56  | 70528   | 340.237 | ug/l   | 97     |
| 14) Allyl chloride            | 4.33 | 41  | 380980  | 52.547  | ug/l   | 97     |
| 15) Acrylonitrile             | 4.99 | 53  | 502899  | 337.075 | ug/l   | 99     |
| 16) Acetone                   | 3.82 | 43  | 415295  | 287.491 | ug/l   | 98     |
| 17) Carbon Disulfide          | 4.05 | 76  | 351425  | 38.467  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.33 | 43  | 260817  | 74.628  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 605050  | 61.481  | ug/l   | 100    |
| 20) Methylene Chloride        | 4.55 | 84  | 214807  | 48.718  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 178040  | 48.022  | ug/l   | 95     |
| 22) Diisopropyl ether         | 5.95 | 45  | 832040  | 57.758  | ug/l   | 96     |
| 23) Vinyl Acetate             | 5.90 | 43  | 2963424 | 313.876 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 400032  | 52.118  | ug/l   | 99     |
| 25) 2-Butanone                | 6.84 | 43  | 646464  | 349.934 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 250718  | 47.303  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 221085  | 52.438  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.20 | 49  | 195818  | 50.613  | ug/l   | 96     |
| 29) Tetrahydrofuran           | 7.22 | 42  | 422341  | 357.028 | ug/l   | 100    |
| 30) Chloroform                | 7.37 | 83  | 383341  | 52.686  | ug/l   | 99     |
| 31) Cyclohexane               | 7.66 | 56  | 332625  | 45.612  | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 303311  | 51.364  | ug/l   | 100    |
| 36) 1,1-Dichloropropene       | 7.80 | 75  | 262468  | 47.284  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.93 | 43  | 272745  | 64.110  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 246151  | 45.970  | ug/l   | 98     |

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 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 5/8/2019 10:19:32 AM

Quant Time: May 08 07:28:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 30 07:16:52 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 286288   | 48.508   | ug/l   | 97       |
| 40) Benzene                    | 8.04  | 78   | 821975   | 50.232   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.17  | 41   | 159231   | 68.872   | ug/l   | 95       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 310345   | 53.547   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.17  | 43   | 462607   | 67.663   | ug/l   | 98       |
| 44) Trichloroethene            | 8.84  | 130  | 204307   | 48.976   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 246841   | 52.302   | ug/l   | 97       |
| 46) Dibromomethane             | 9.21  | 93   | 139897   | 54.229   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 292908   | 52.926   | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.20  | 41   | 223431   | 66.476   | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 51379    | 1478.773 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1375986  | 357.464  | ug/l   | 98       |
| 52) Toluene                    | 10.16 | 92   | 481606   | 51.294   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 278788   | 58.028   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 329408   | 54.992   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 197423   | 56.624   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 286146   | 66.679   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 348746   | 57.019   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 395690   | 294.767  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 891973   | 370.351  | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.90 | 129  | 203867   | 57.212   | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 189555   | 58.821   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 203409   | 49.778   | ug/l   | 98       |
| 65) Chlorobenzene              | 11.44 | 112  | 498009   | 50.975   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 198188   | 51.808   | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.51 | 91   | 923536   | 52.349   | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 672418   | 106.781  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 339610   | 54.411   | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 567948   | 59.264   | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 132635   | 62.484   | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.25 | 105  | 912209   | 52.874   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 364613   | 65.299   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 260126   | 61.044   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 222506m  | 55.285   | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 214922   | 51.865   | ug/l   | 94       |
| 78) n-propylbenzene            | 12.59 | 91   | 1029786  | 46.077   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 628638   | 53.499   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 782557   | 45.879   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 60361    | 52.575   | ug/l   | 88       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 609067   | 46.871   | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 670166   | 55.849   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 743915   | 48.766   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 875842   | 47.242   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 759800   | 49.863   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 356439   | 48.958   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 345160   | 50.342   | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.62 | 91   | 597363   | 55.170   | ug/l   | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 123055   | 51.036   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 364628   | 50.531   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 39981    | 69.848   | ug/l   | 96       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
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Quant Title : SW846 8260  
QLast Update : Tue Apr 30 07:16:52 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 142132   | 49.965 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 124279   | 57.665 | ug/l  | 97       |
| 95) Naphthalene            | 15.13 | 128  | 309255   | 51.061 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 147353   | 52.461 | ug/l  | 99       |

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

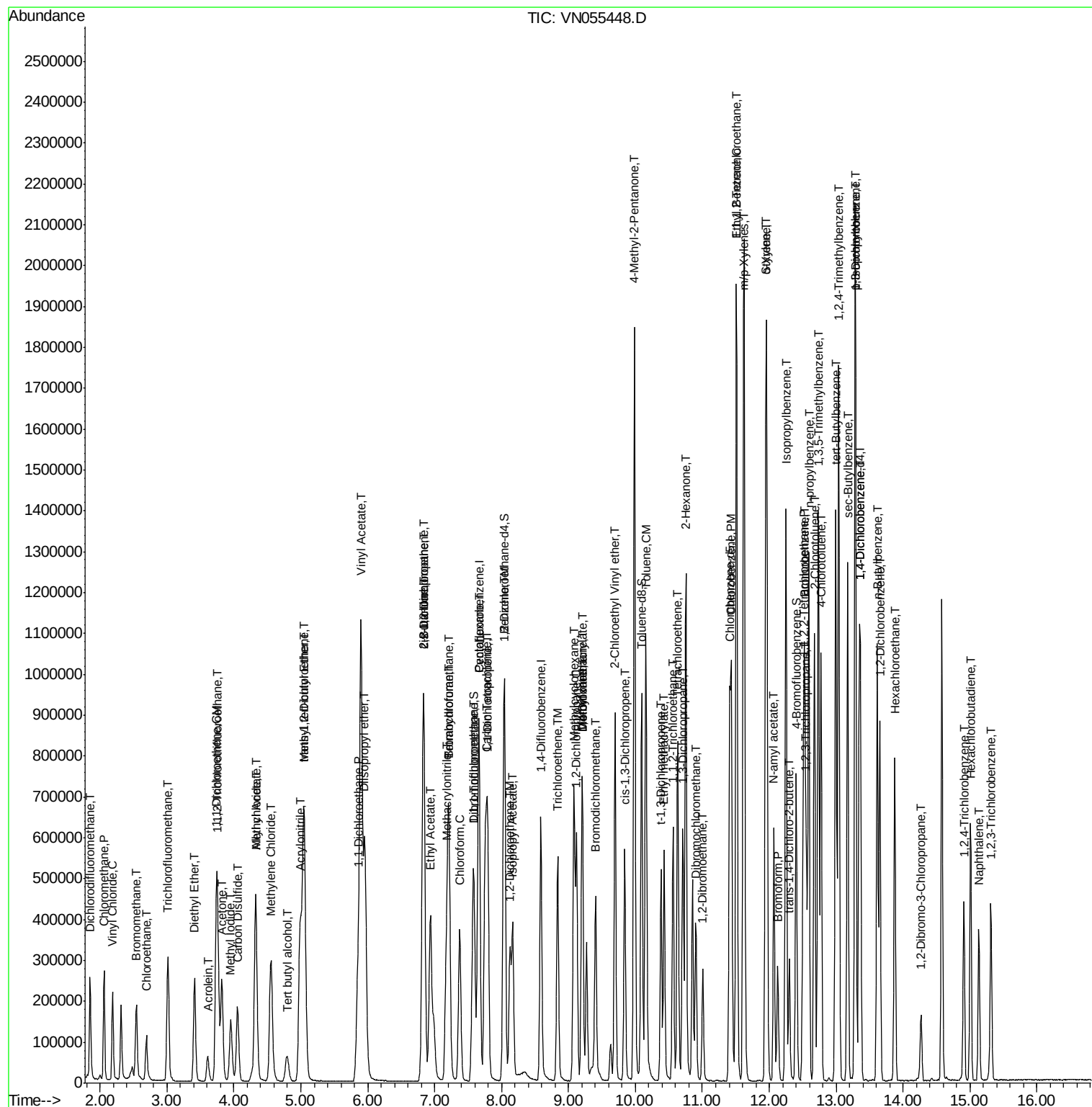
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\  
 Data File : VN055448.D  
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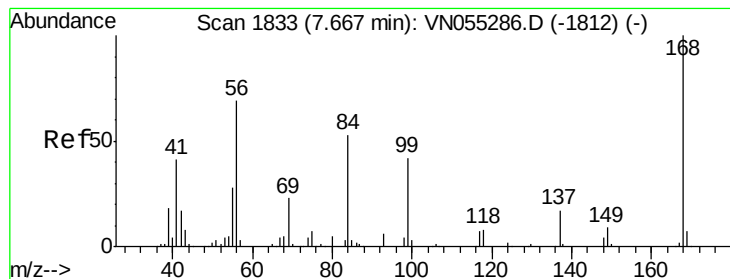
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 354380

Ion Ratio Lower Upper

168 100

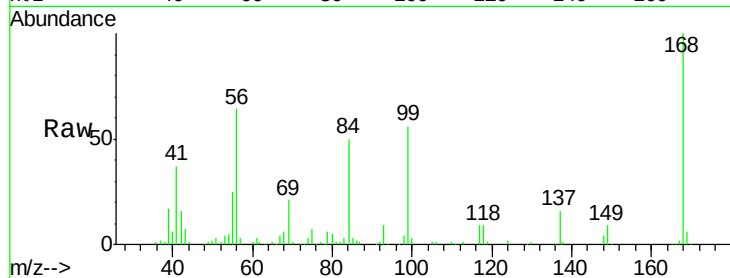
99 55.3 43.6 65.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

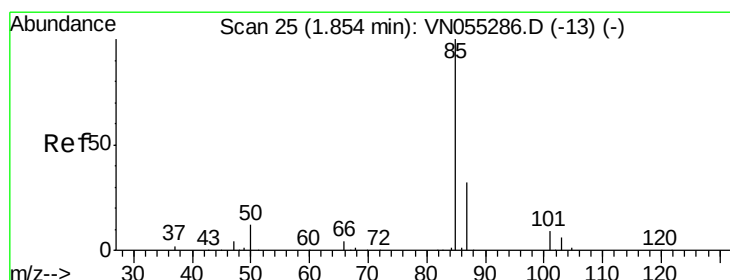
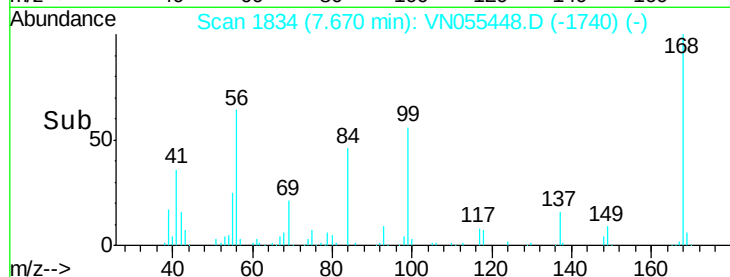
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.088 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055448.D

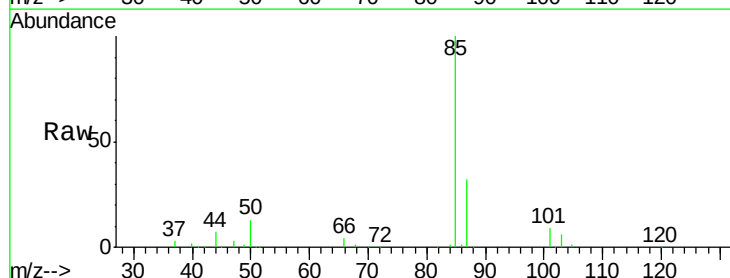
Acq: 7 May 2019 19:41

Tgt Ion: 85 Resp: 200110

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

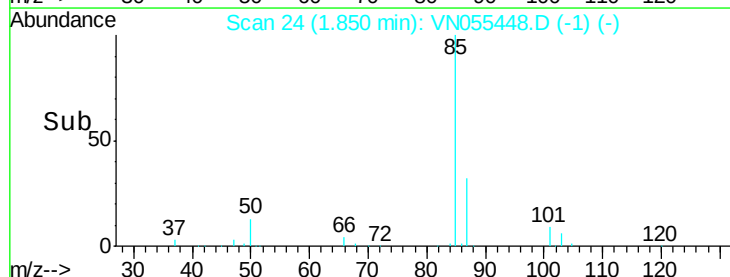
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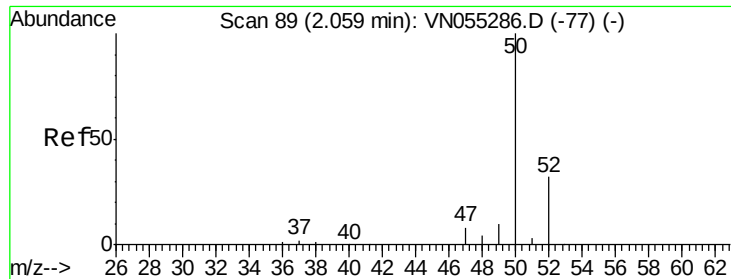
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Time-->





#3

Chloromethane

Concen: 44.277 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 238052

Ion Ratio Lower Upper

50 100

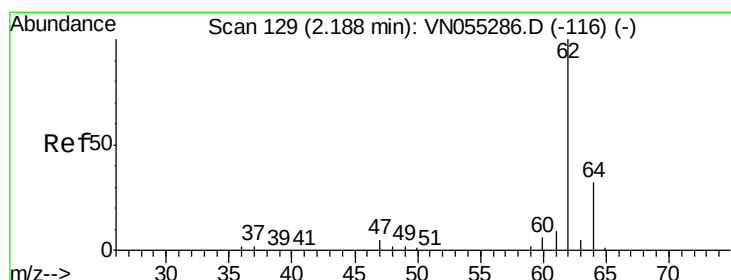
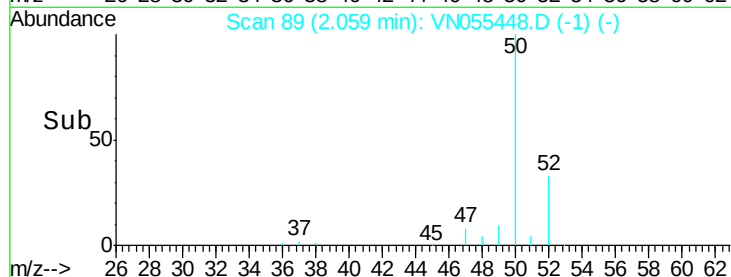
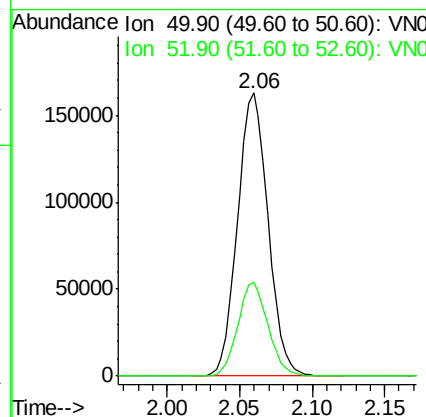
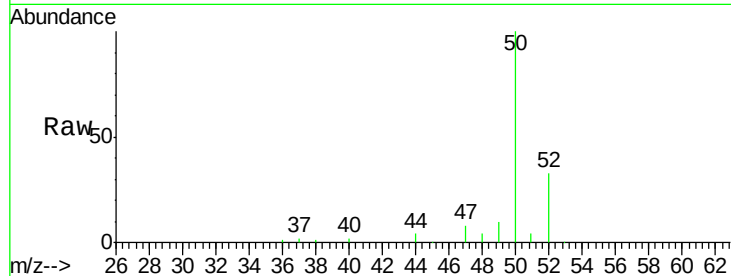
52 33.1 25.7 38.5

Manual Integrations

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5/8/2019 10:19:32 AM



#4

Vinyl Chloride

Concen: 44.651 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055448.D

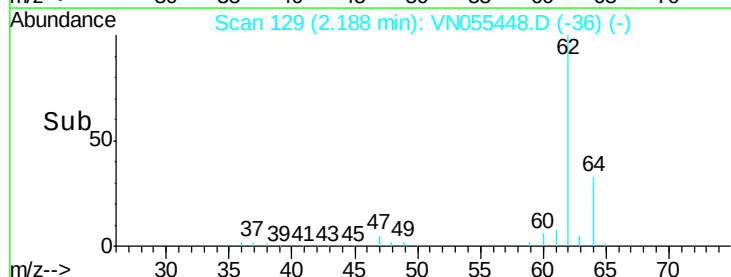
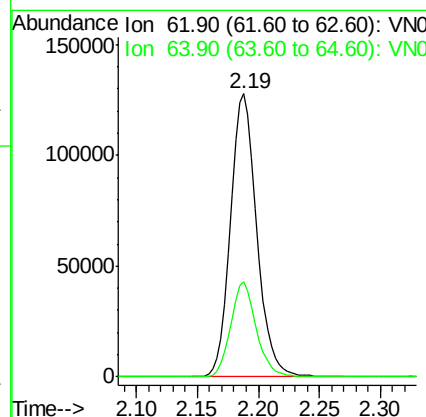
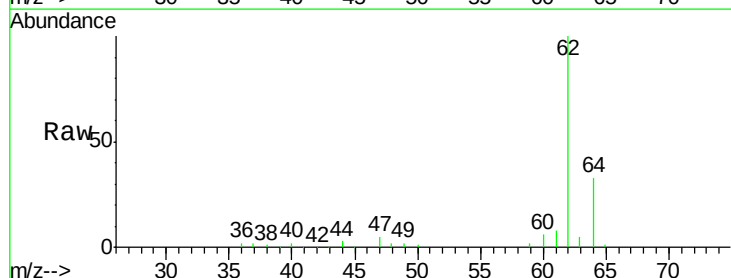
Acq: 7 May 2019 19:41

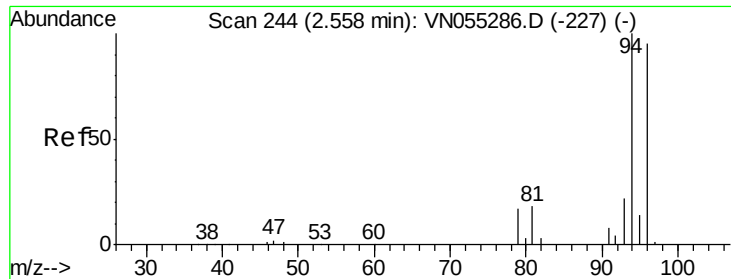
Tgt Ion: 62 Resp: 193510

Ion Ratio Lower Upper

62 100

64 33.4 25.5 38.3





#5

Bromomethane

Concen: 53.207 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.02 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 122142

Ion Ratio Lower Upper

94 100

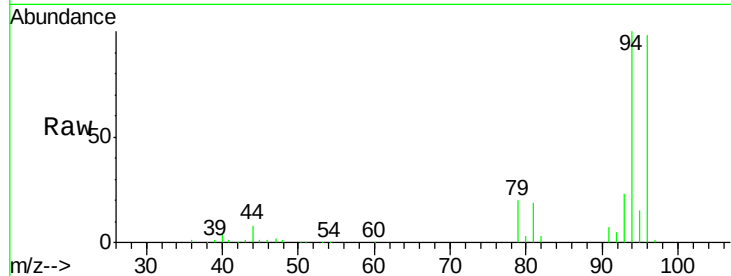
96 97.6 76.0 114.0

Manual Integrations

APPROVED

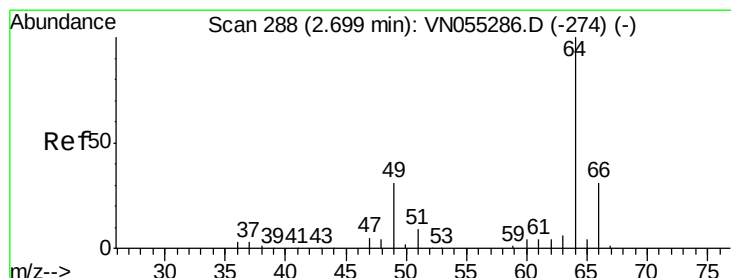
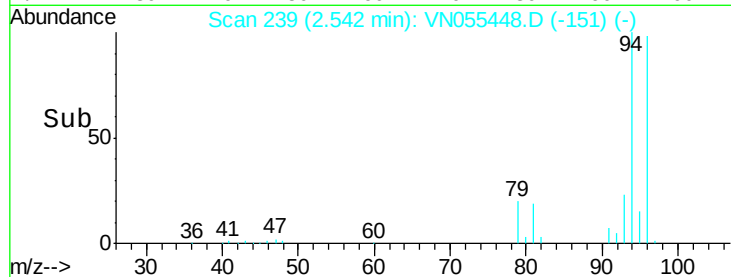
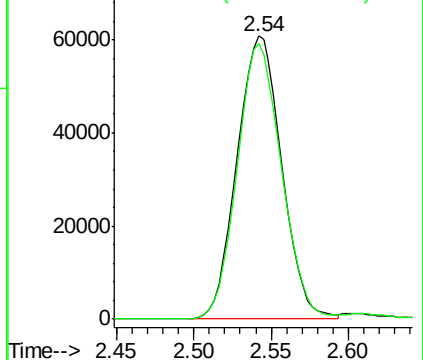
MMDadoda

5/8/2019 10:19:32 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.689 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN055448.D

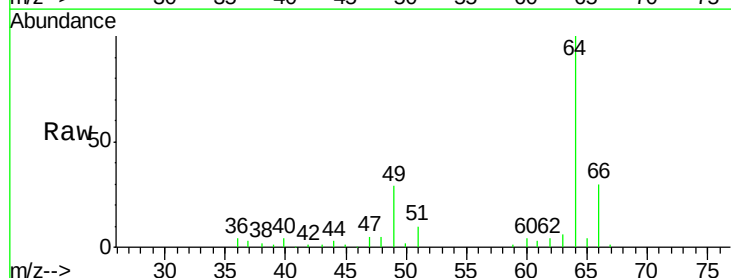
Acq: 7 May 2019 19:41

Tgt Ion: 64 Resp: 109614

Ion Ratio Lower Upper

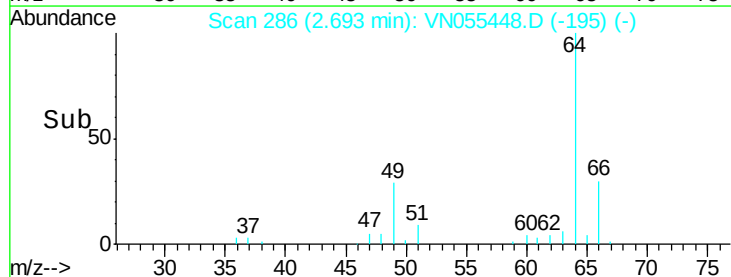
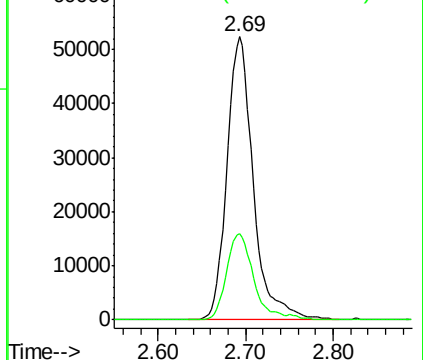
64 100

66 30.5 25.0 37.4

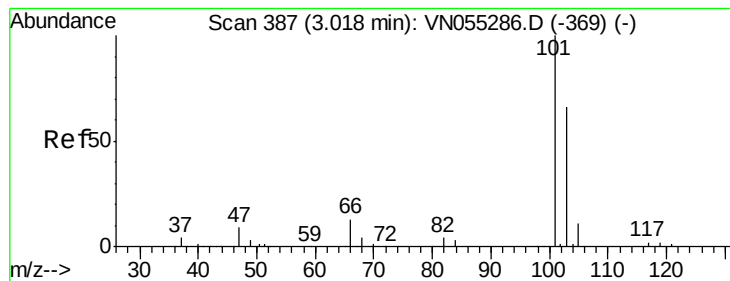


Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO







#7

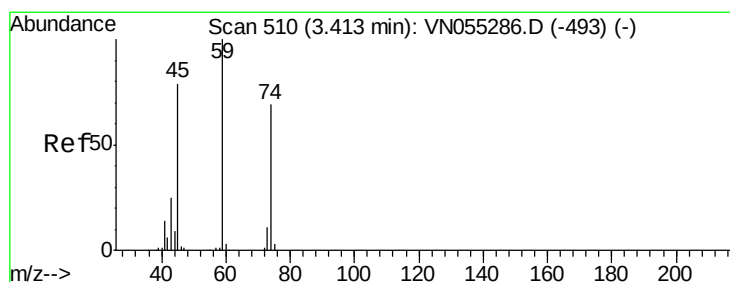
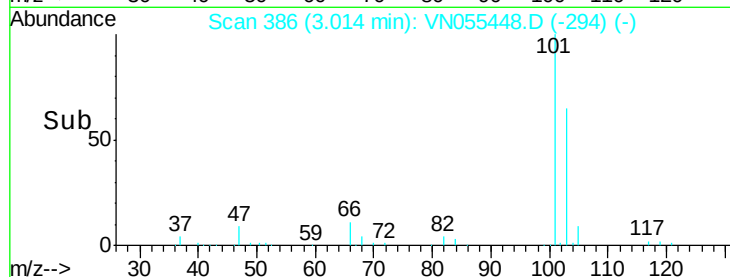
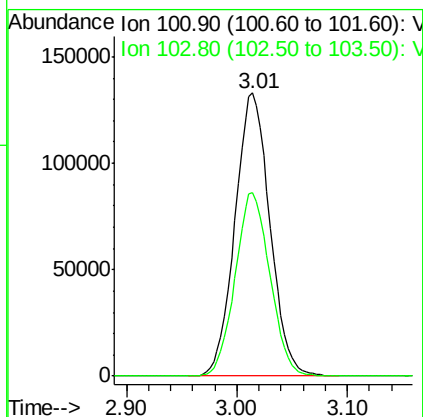
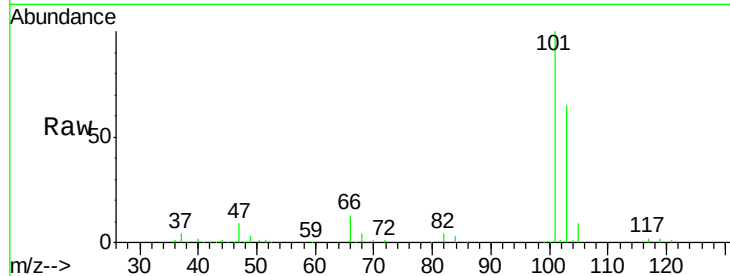
Trichlorofluoromethane  
Concen: 47.297 ug/l  
RT: 3.01 min Scan# 386  
Delta R.T. -0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:101 Resp: 291466  
Ion Ratio Lower Upper  
101 100  
103 64.9 52.6 79.0

Manual Integrations  
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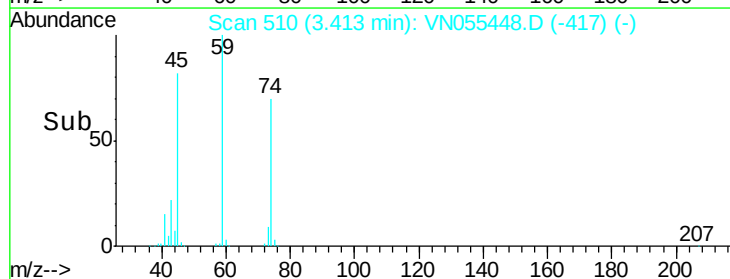
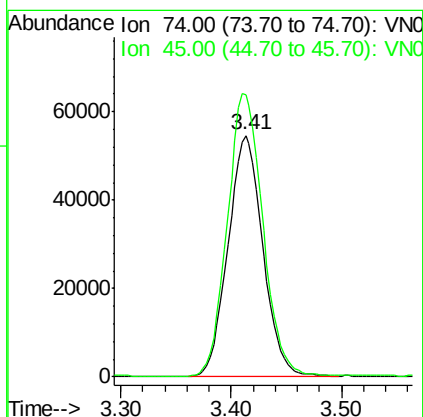
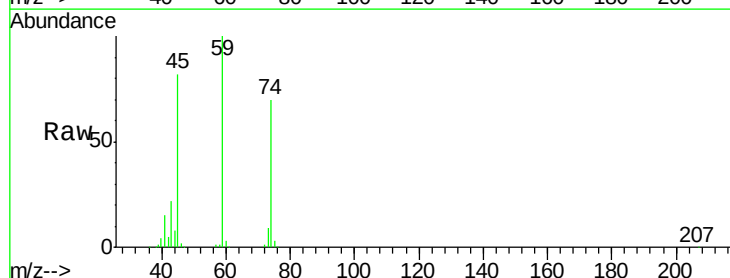
MMDadoda  
5/8/2019 10:19:32 AM



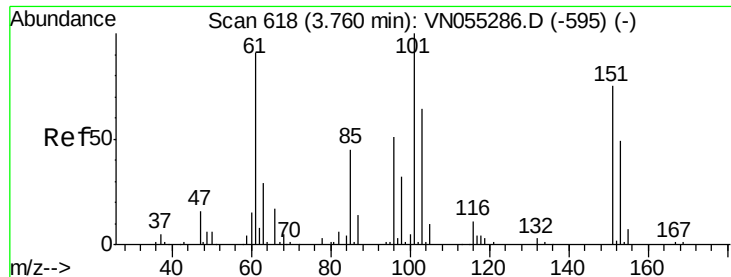
#8

Diethyl Ether  
Concen: 55.465 ug/l  
RT: 3.41 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Tgt Ion: 74 Resp: 119584  
Ion Ratio Lower Upper  
74 100  
45 120.3 58.9 176.6







#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.580 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

Instrument :

MSVOA\_N

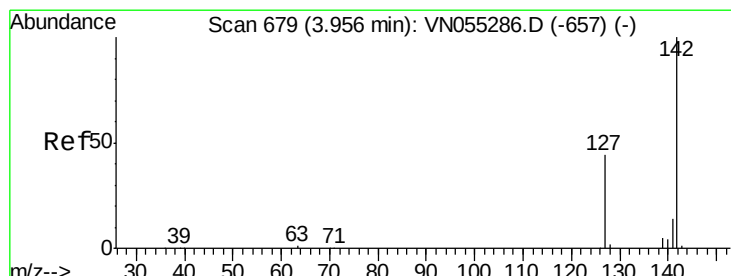
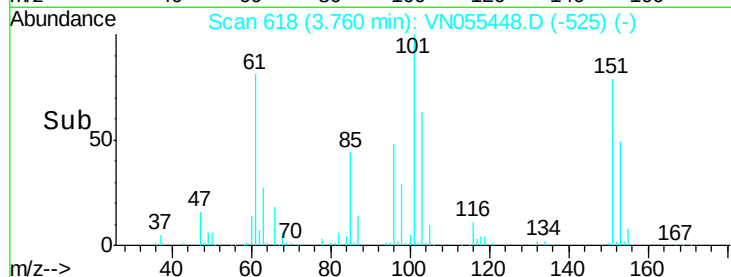
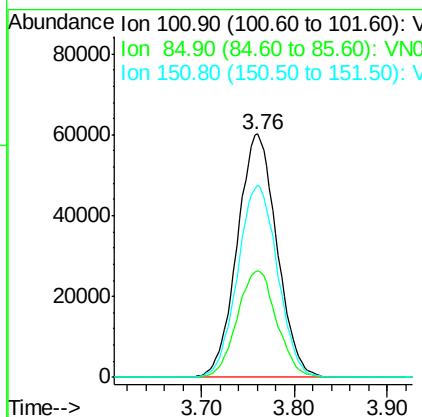
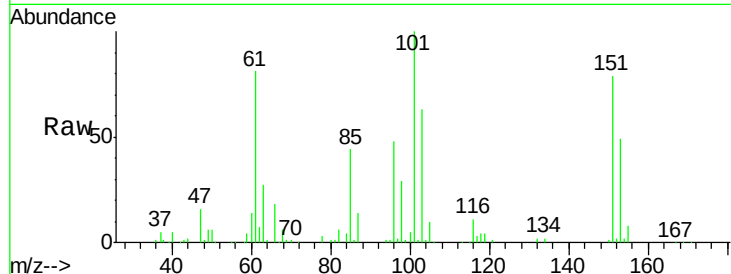
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 178275 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.8  | 35.7  | 53.5   |
| 151       | 79.6  | 63.3  | 94.9   |

Manual Integrations  
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5/8/2019 10:19:32 AM



#10

Methyl Iodide

Concen: 47.271 ug/l

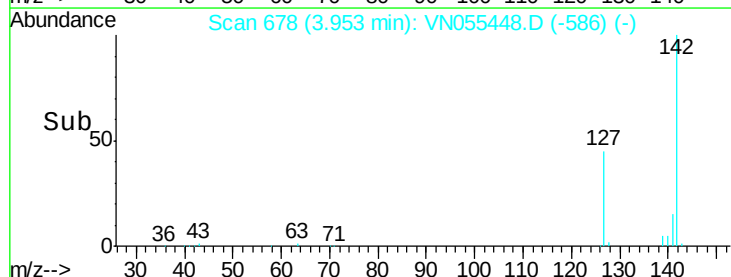
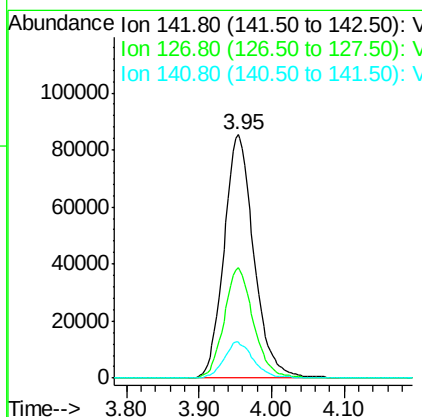
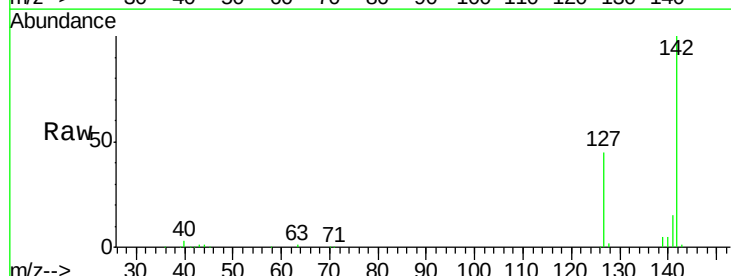
RT: 3.95 min Scan# 678

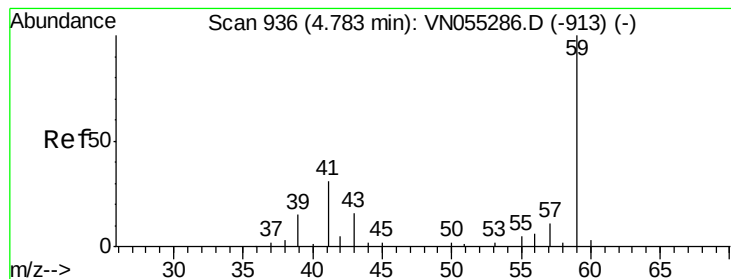
Delta R.T. -0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 244130 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 44.4  | 34.4  | 51.6   |
| 141       | 14.6  | 11.5  | 17.3   |





#11

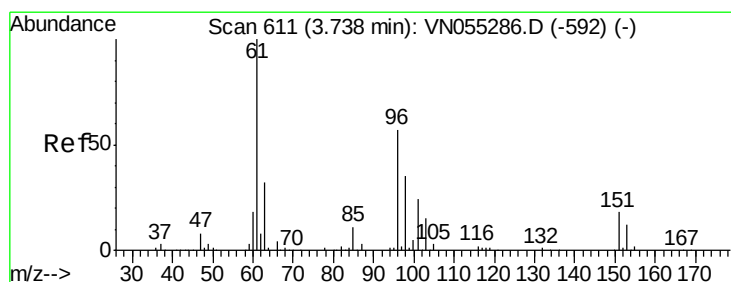
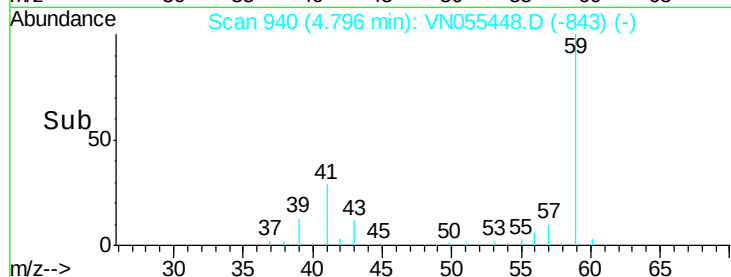
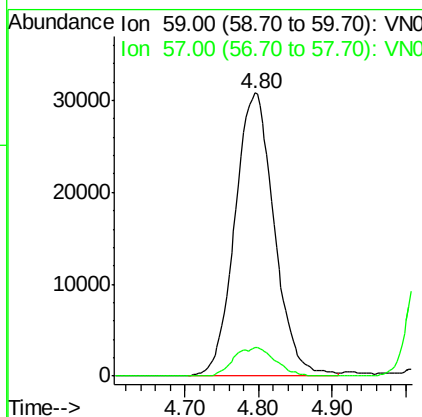
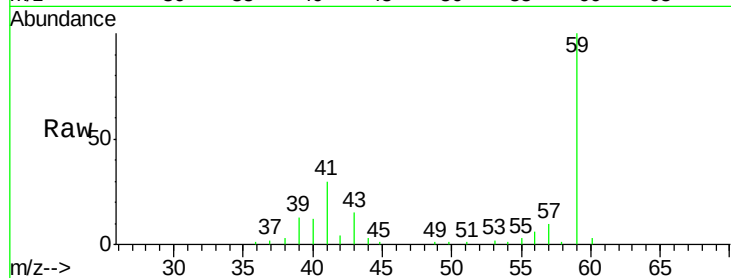
Tert butyl alcohol  
 Concen: 431.230 ug/l  
 RT: 4.80 min Scan# 940  
 Delta R.T. 0.01 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

| Tot Ion | 59 | 57 | Ratio | 100 | 4.1 | Resp: | 114461 | Lower | 8.2 | Upper | 12.2# |
|---------|----|----|-------|-----|-----|-------|--------|-------|-----|-------|-------|
| Ion     | 59 | 57 | Ratio | 100 | 4.1 | Resp: | 114461 | Lower | 8.2 | Upper | 12.2# |

Manual Integrations  
 APPROVED

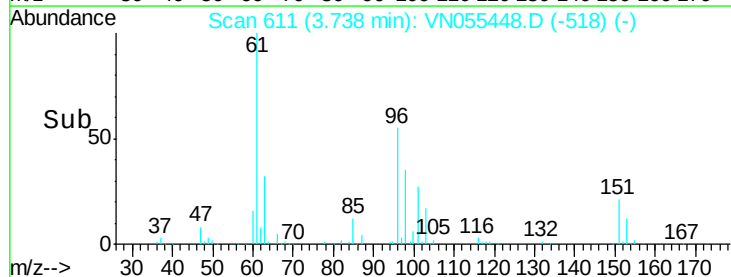
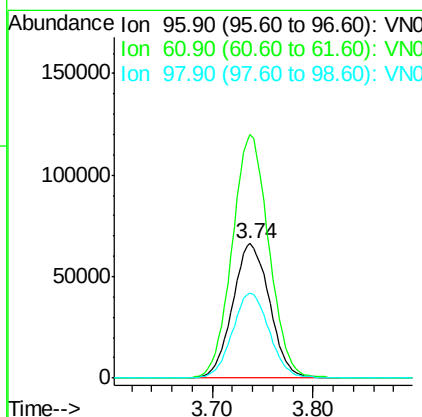
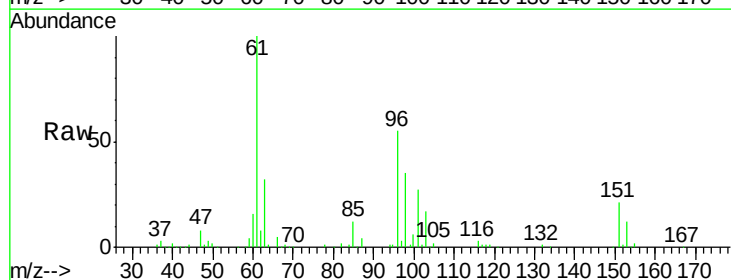
MMDadoda  
 5/8/2019 10:19:32 AM

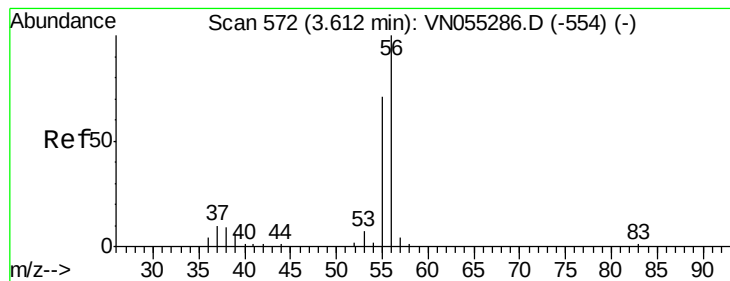


#12

1,1-Dichloroethene  
 Concen: 48.254 ug/l  
 RT: 3.74 min Scan# 611  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

| Tgt Ion | 96 | 61 | 98 | Ratio | 100 | 180.4 | 62.6 | Resp: | 168921 | Lower | 140.9 | 50.0 | Upper | 211.3 | 75.0 |
|---------|----|----|----|-------|-----|-------|------|-------|--------|-------|-------|------|-------|-------|------|
| Ion     | 96 | 61 | 98 | Ratio | 100 | 180.4 | 62.6 | Resp: | 168921 | Lower | 140.9 | 50.0 | Upper | 211.3 | 75.0 |





#13

Acrolein

Concen: 340.237 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 70528

Ion Ratio Lower Upper

56 100

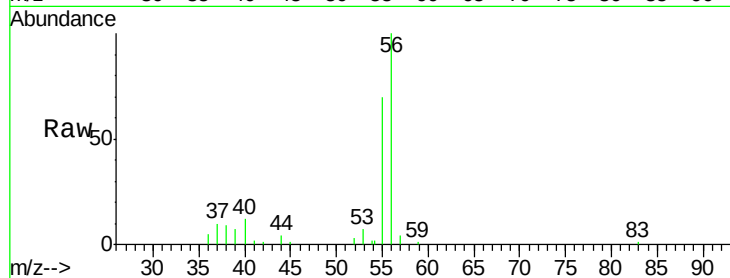
55 69.2 57.4 86.2

Manual Integrations

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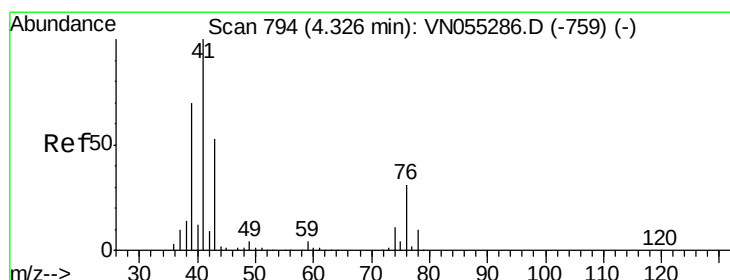
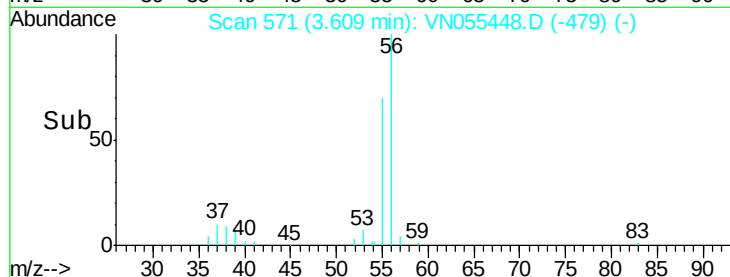
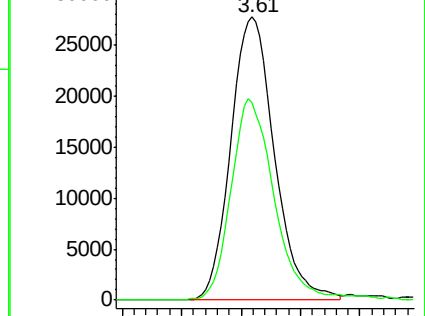
MMDadoda

5/8/2019 10:19:32 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 52.547 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

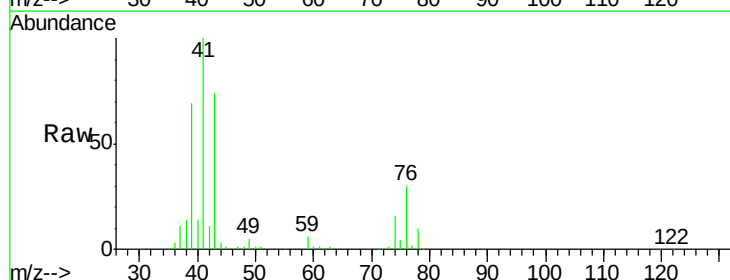
Tgt Ion: 41 Resp: 380980

Ion Ratio Lower Upper

41 100

39 64.0 53.0 79.6

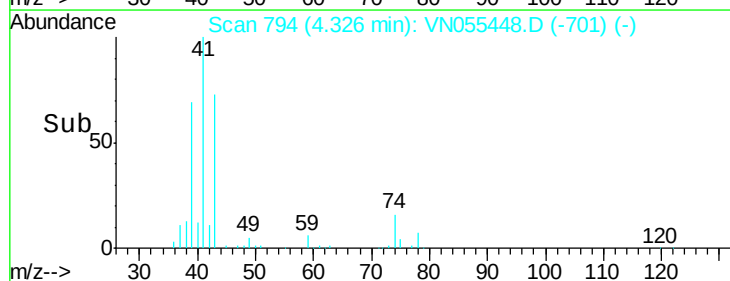
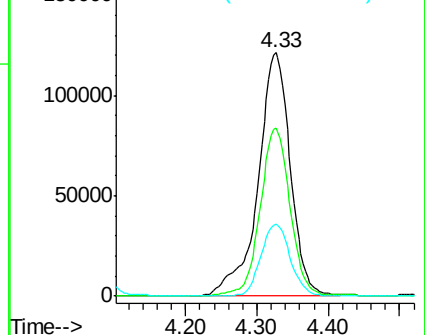
76 26.9 22.7 34.1

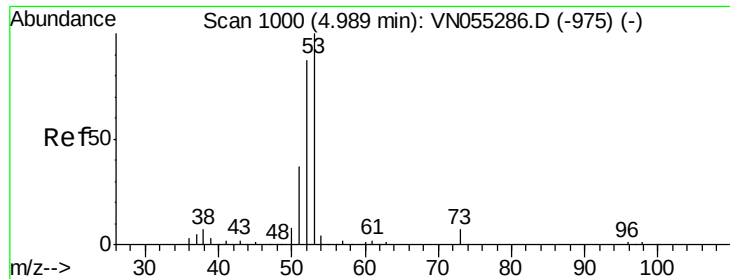


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





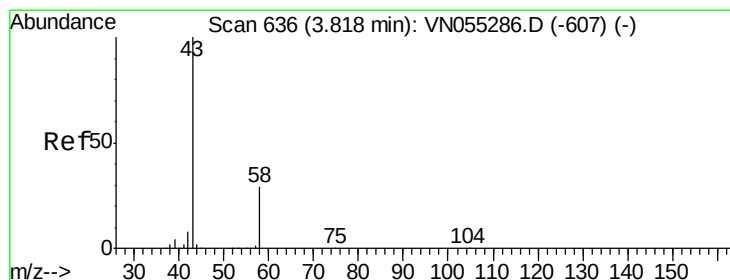
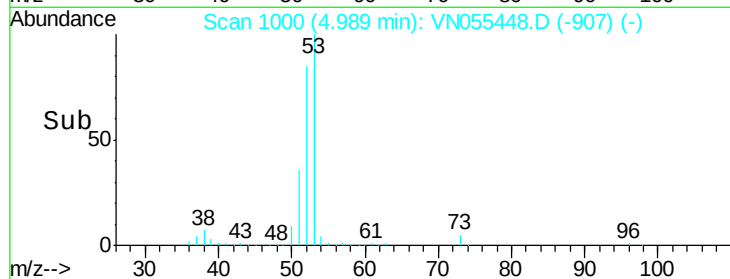
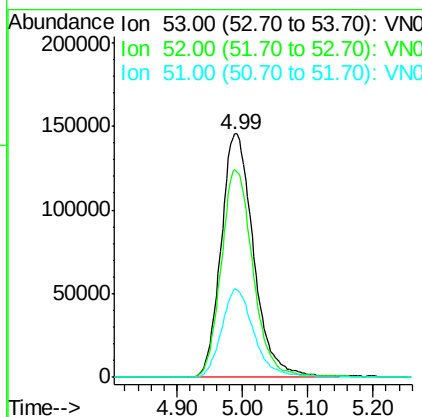
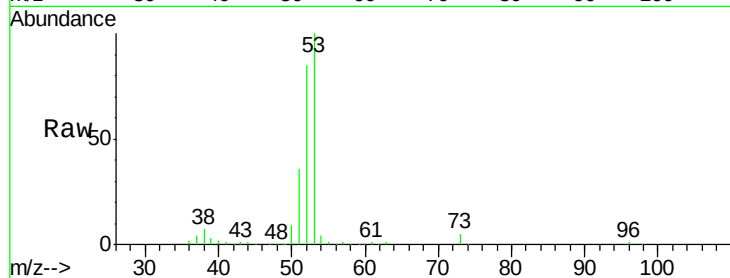
#15  
 Acrylonitrile  
 Concen: 337.075 ug/l  
 RT: 4.99 min Scan# 1000  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 83.4  | 66.5  | 99.7  |
| 51      | 35.8  | 29.6  | 44.4  |

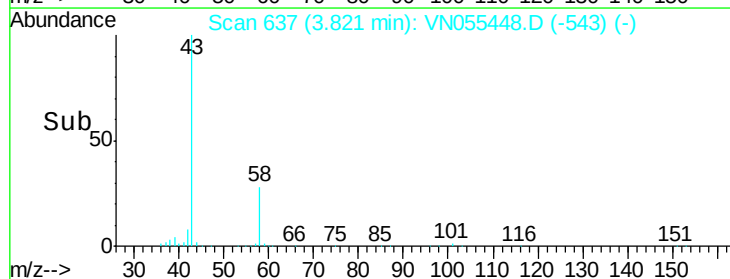
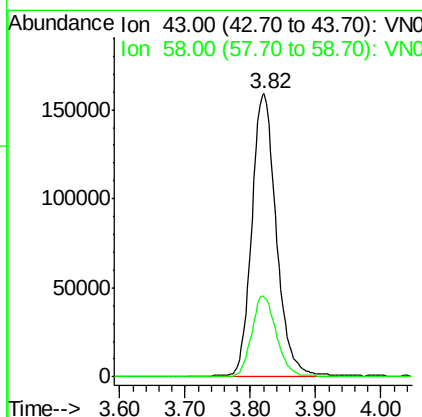
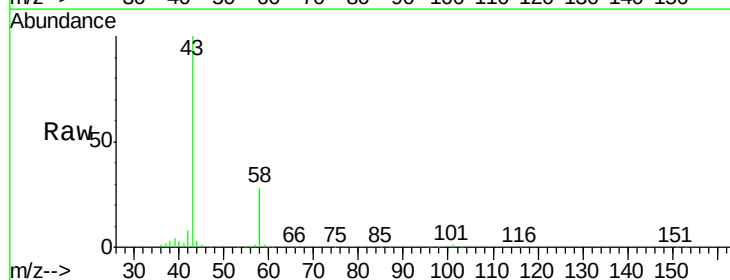
Manual Integrations  
 APPROVED

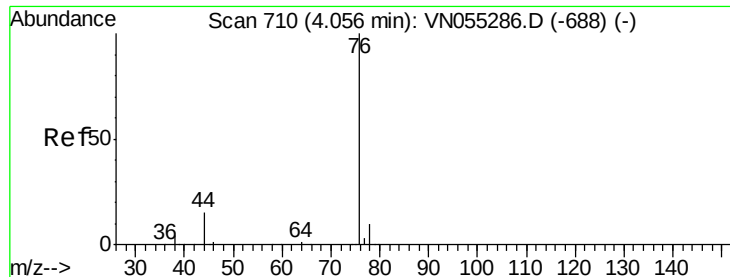
MMDadoda  
 5/8/2019 10:19:32 AM



#16  
 Acetone  
 Concen: 287.491 ug/l  
 RT: 3.82 min Scan# 637  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 28.3  | 23.6  | 35.4  |





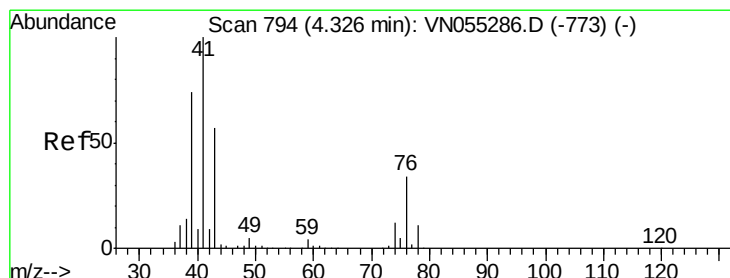
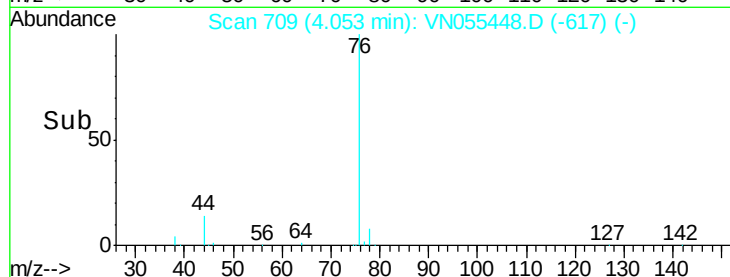
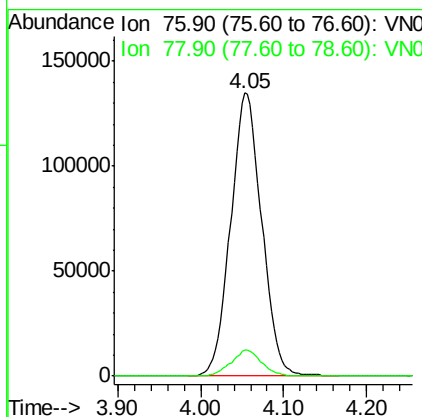
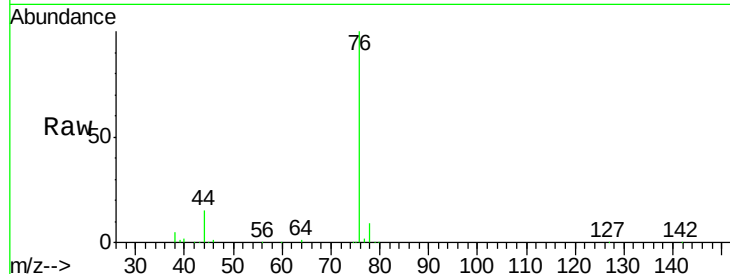
#17  
Carbon Disulfide  
Concen: 38.467 ug/l  
RT: 4.05 min Scan# 709  
Delta R.T. -0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.2   | 7.6   | 11.4  |

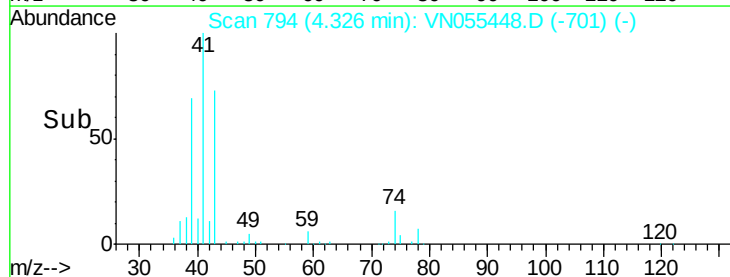
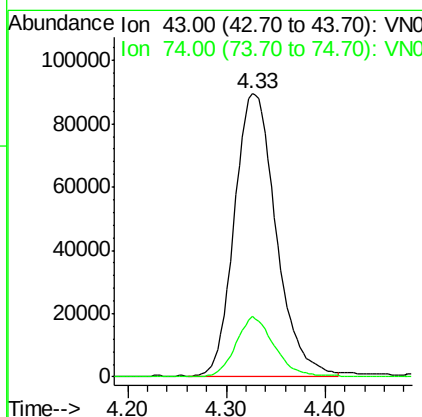
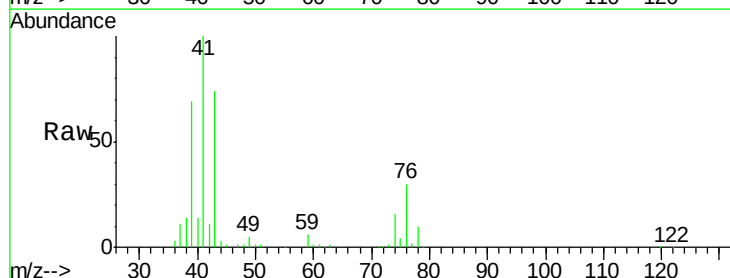
Manual Integrations  
APPROVED

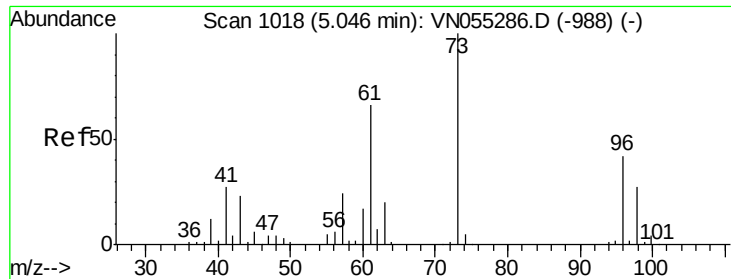
MMDadoda  
5/8/2019 10:19:32 AM



#18  
Methyl Acetate  
Concen: 74.628 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 19.6  | 15.8  | 23.8  |





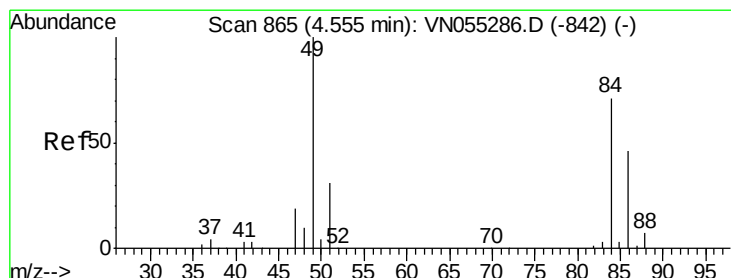
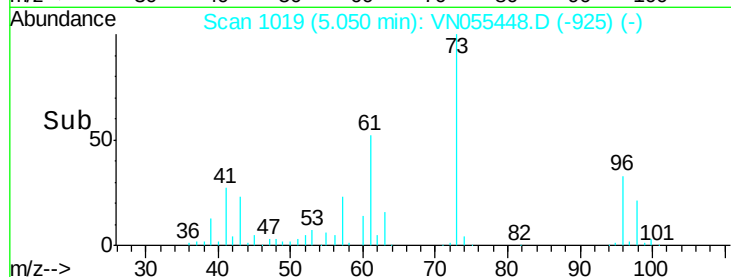
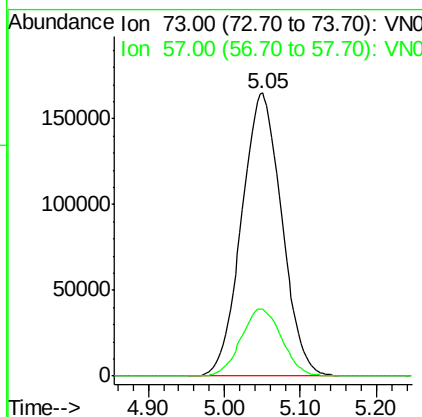
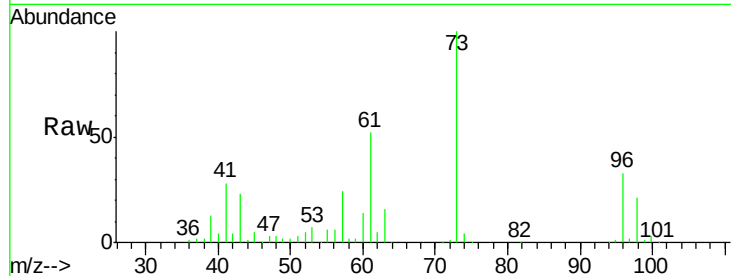
#19  
Methyl tert-butyl Ether  
Concen: 61.481 ug/l  
RT: 5.05 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

Tot Ion: 73 Resp: 605050  
Ion Ratio Lower Upper  
73 100  
57 23.7 19.1 28.7

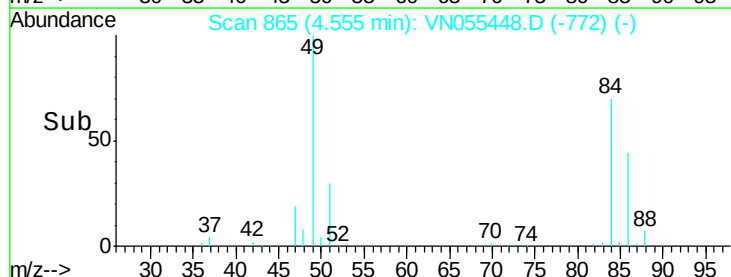
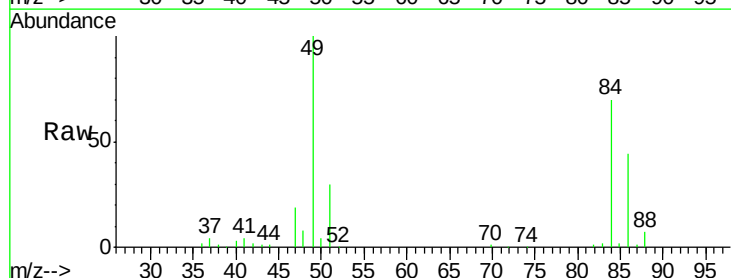
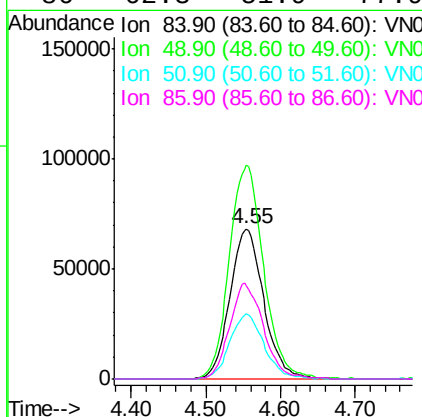
Manual Integrations  
APPROVED

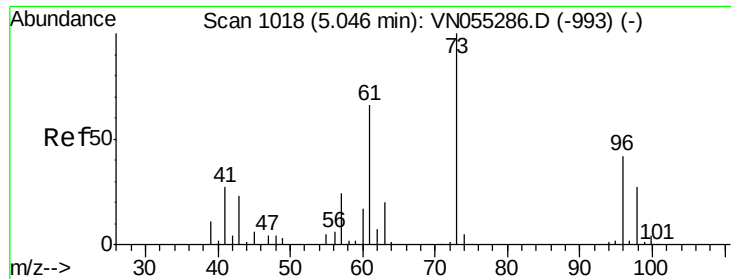
MMDadoda  
5/8/2019 10:19:32 AM



#20  
Methylene Chloride  
Concen: 48.718 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Tgt Ion: 84 Resp: 214807  
Ion Ratio Lower Upper  
84 100  
49 142.2 112.4 168.6  
51 43.1 34.6 51.8  
86 62.3 51.9 77.9





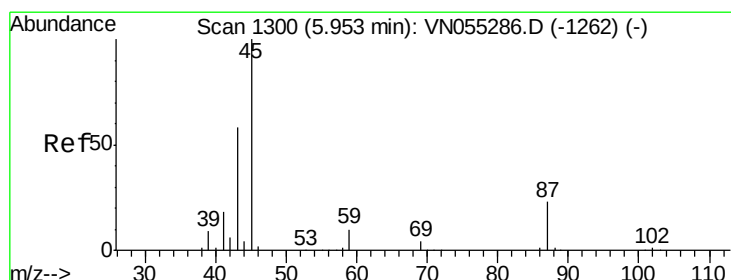
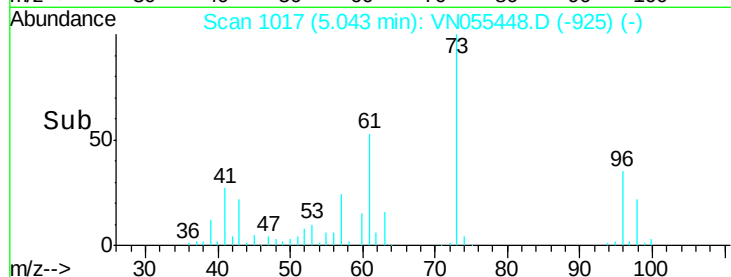
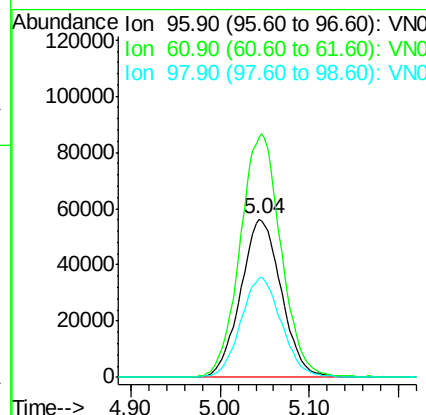
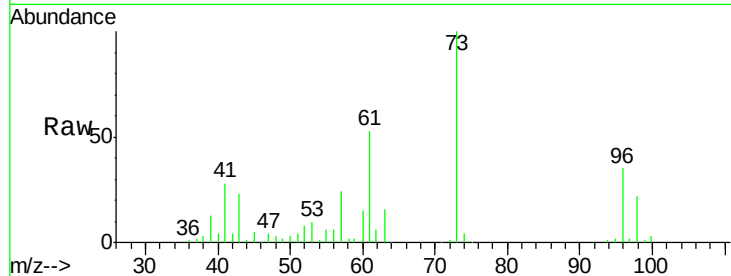
#21  
trans-1,2-Dichloroethene  
Concen: 48.022 ug/l  
RT: 5.04 min Scan# 1017  
Delta R.T. -0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 150.9 | 126.2 | 189.4 |
| 98      | 62.6  | 52.2  | 78.2  |

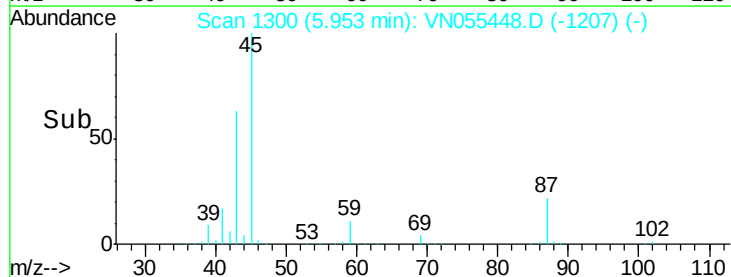
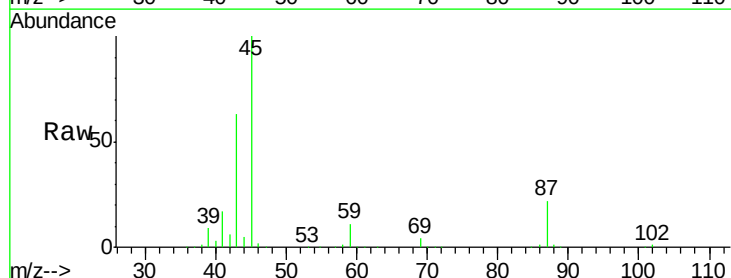
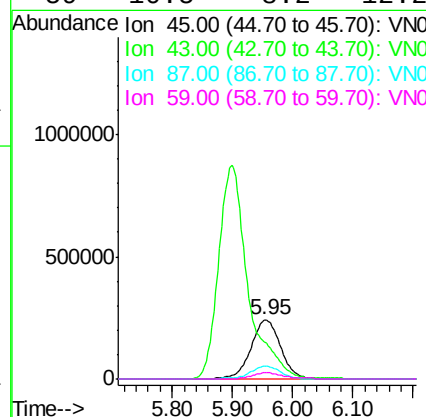
Manual Integrations  
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5/8/2019 10:19:32 AM

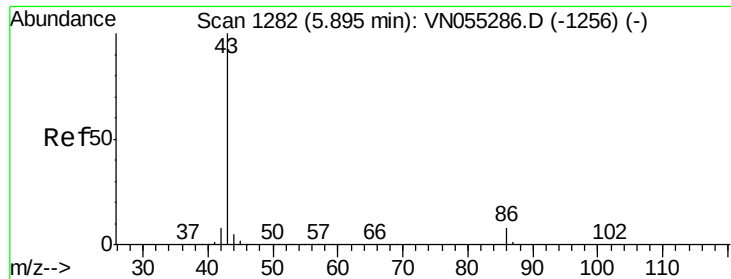


#22  
Diisopropyl ether  
Concen: 57.758 ug/l  
RT: 5.95 min Scan# 1300  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 62.2  | 46.6  | 70.0  |
| 87      | 21.8  | 18.1  | 27.1  |
| 59      | 10.5  | 8.2   | 12.2  |







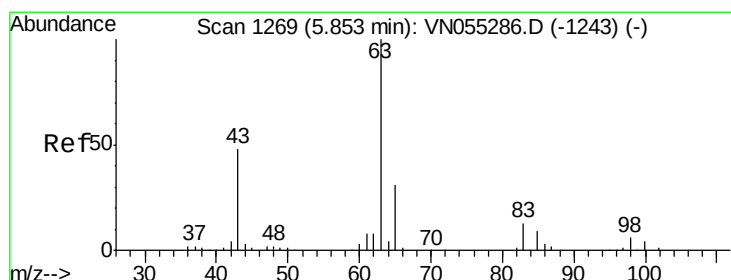
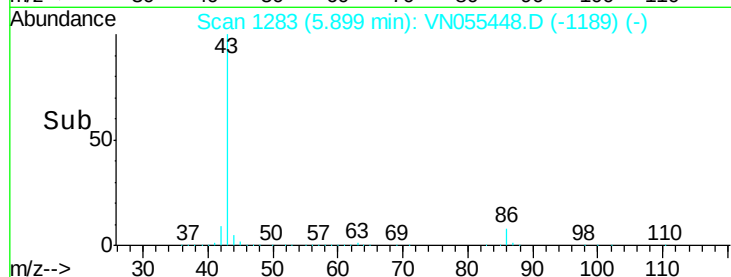
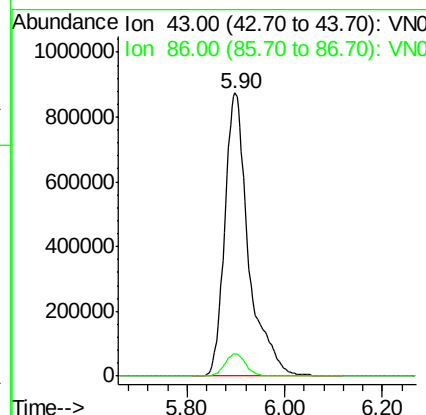
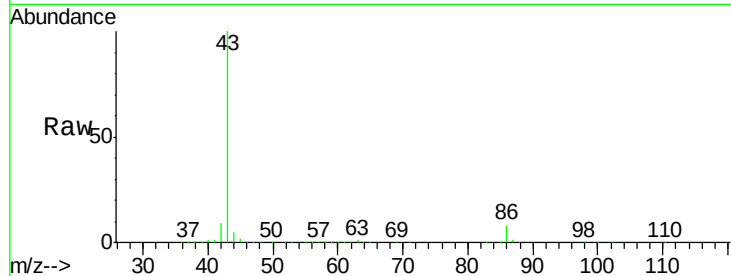
#23  
 Vinyl Acetate  
 Concen: 313.876 ug/l  
 RT: 5.90 min Scan# 1283  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 43 Resp: 2963424  
 Ion Ratio Lower Upper  
 43 100  
 86 8.0 6.6 10.0

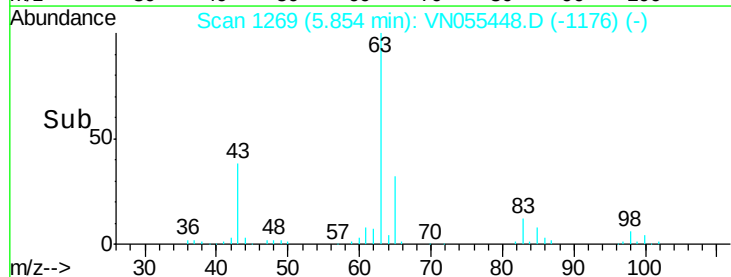
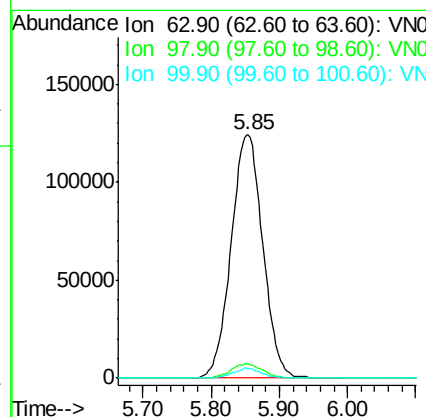
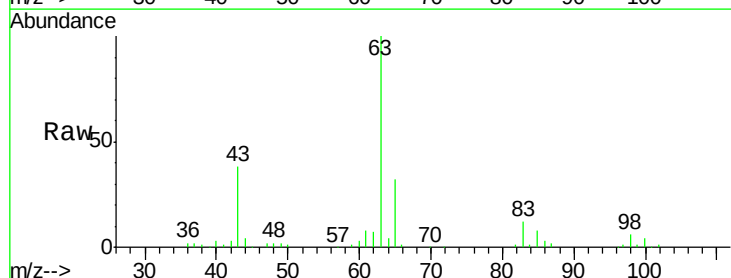
Manual Integrations  
 APPROVED

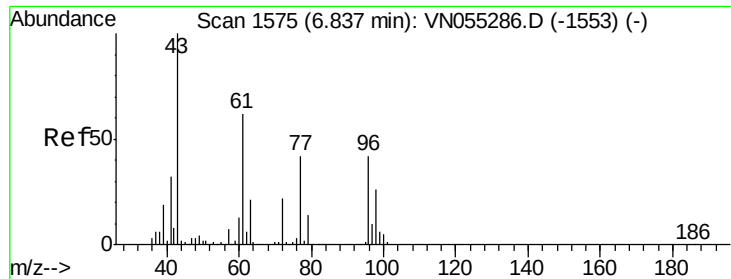
MMDadoda  
 5/8/2019 10:19:32 AM



#24  
 1,1-Dichloroethane  
 Concen: 52.118 ug/l  
 RT: 5.85 min Scan# 1269  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

Tgt Ion: 63 Resp: 400032  
 Ion Ratio Lower Upper  
 63 100  
 98 5.8 3.0 9.0  
 100 4.1 1.8 5.4





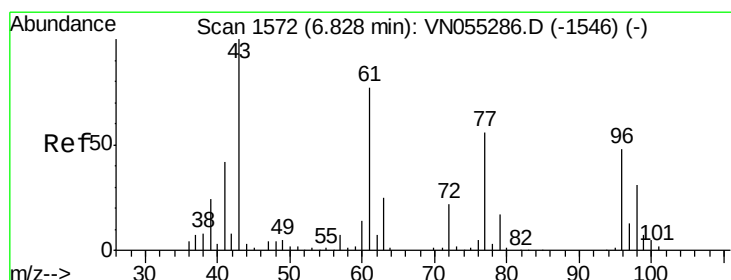
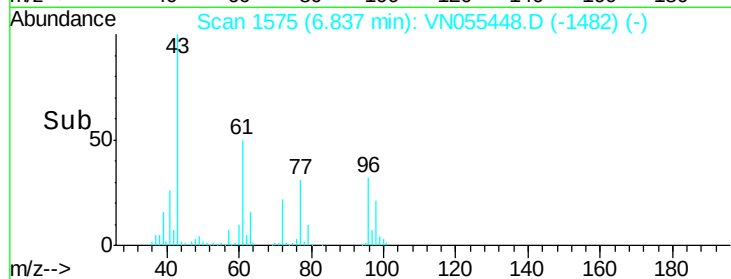
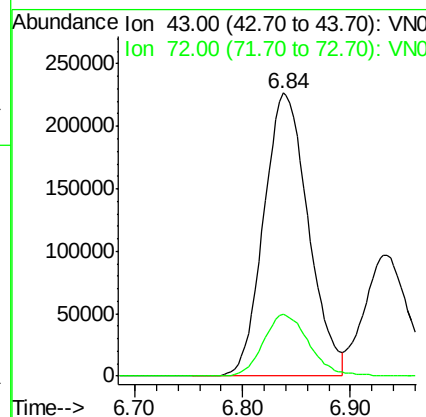
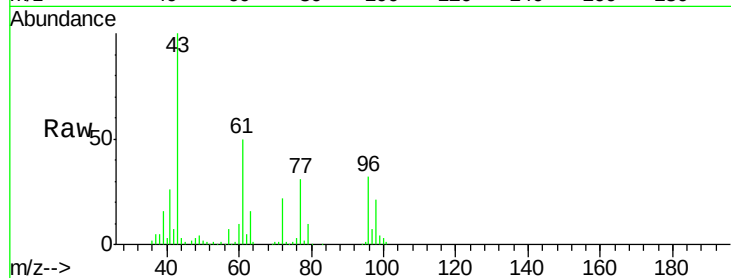
#25  
2-Butanone  
Concen: 349.934 ug/l  
RT: 6.84 min Scan# 1575  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 646464  
Ion Ratio Lower Upper  
43 100  
72 22.0 18.0 27.0

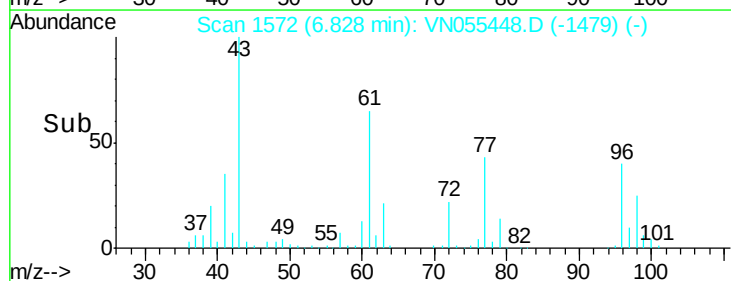
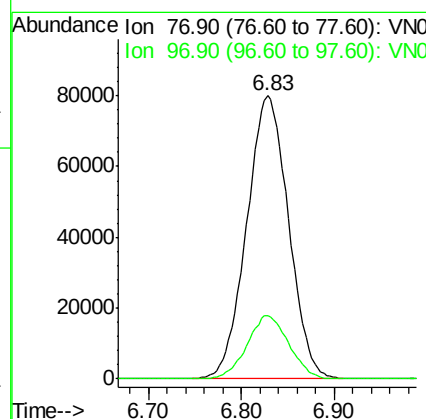
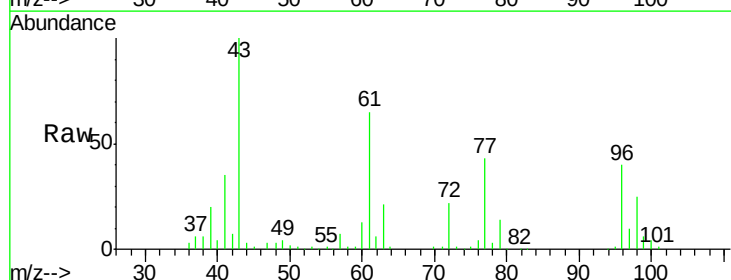
Manual Integrations  
APPROVED

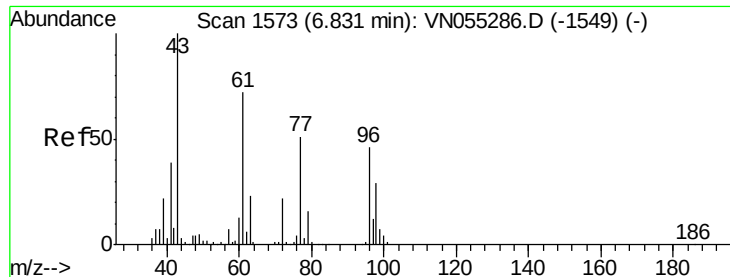
MMDadoda  
5/8/2019 10:19:32 AM



#26  
2,2-Dichloropropane  
Concen: 47.303 ug/l  
RT: 6.83 min Scan# 1572  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Tgt Ion: 77 Resp: 250718  
Ion Ratio Lower Upper  
77 100  
97 22.3 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 52.438 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

Instrument :

MSVOA\_N

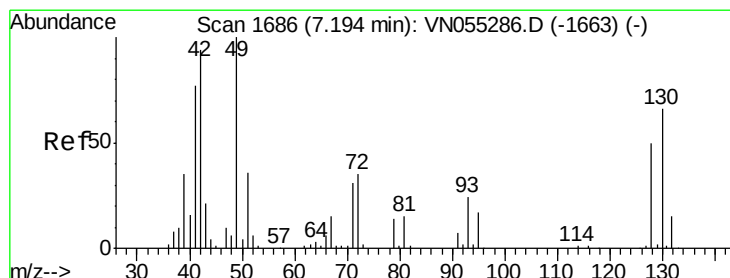
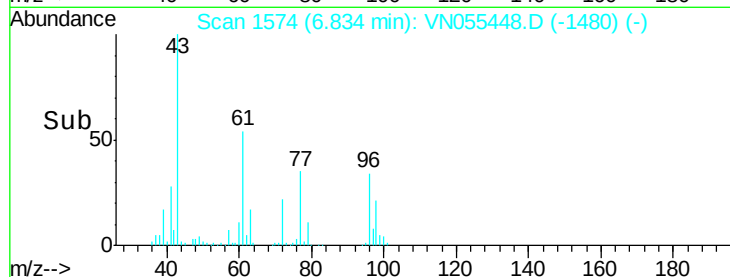
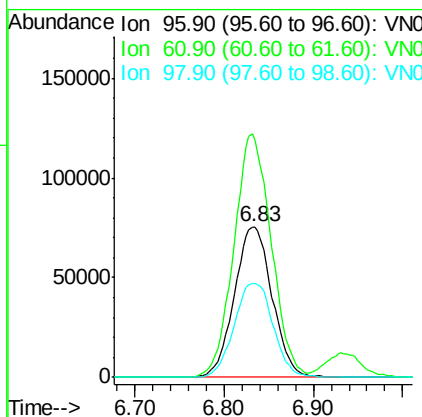
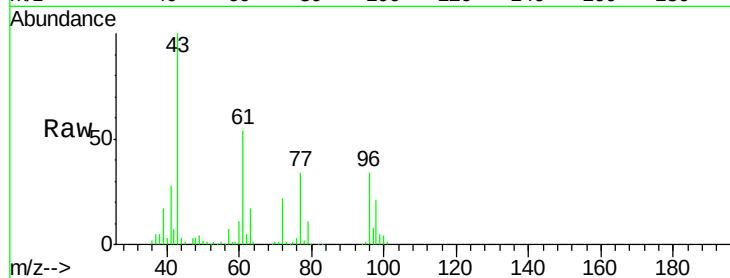
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 221085 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 159.9 | 0.0   | 316.2  |
| 98       | 64.5  | 0.0   | 126.6  |

Manual Integrations  
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5/8/2019 10:19:32 AM



#28

Bromochloromethane

Concen: 50.613 ug/l

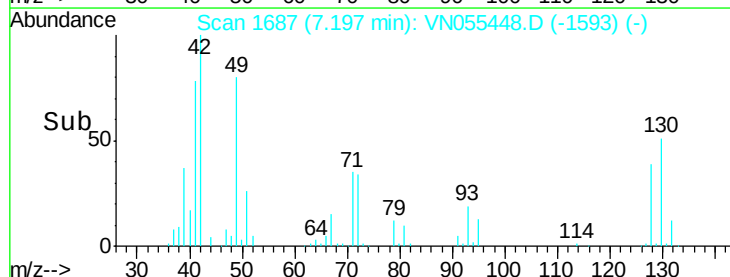
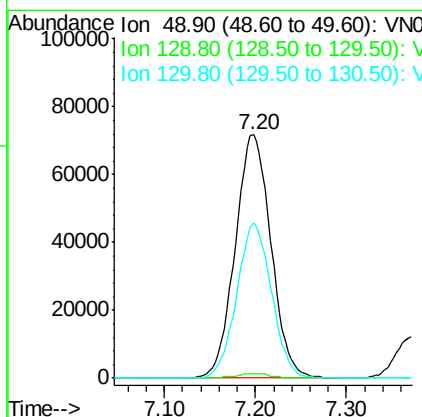
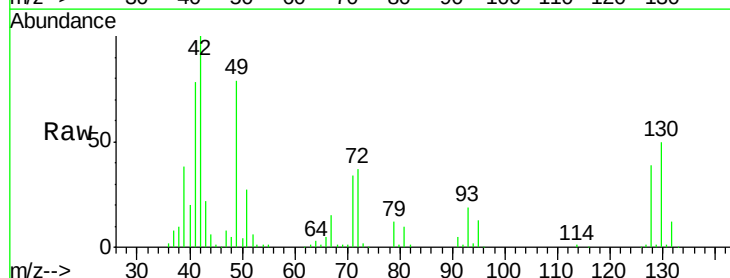
RT: 7.20 min Scan# 1687

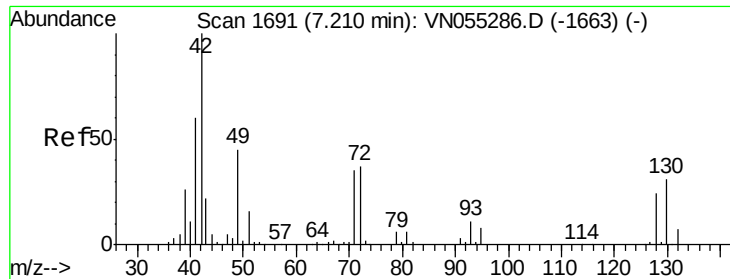
Delta R.T. 0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 195818 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 0.8   | 0.0   | 2.4    |
| 130      | 61.9  | 52.0  | 78.0   |





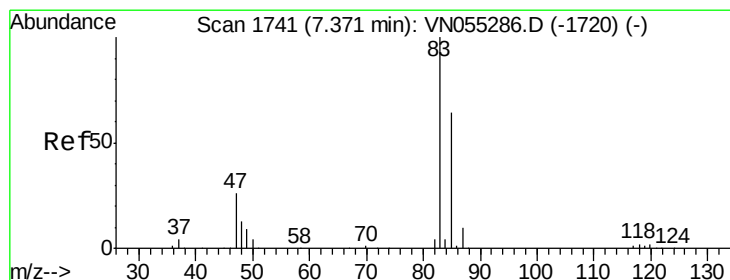
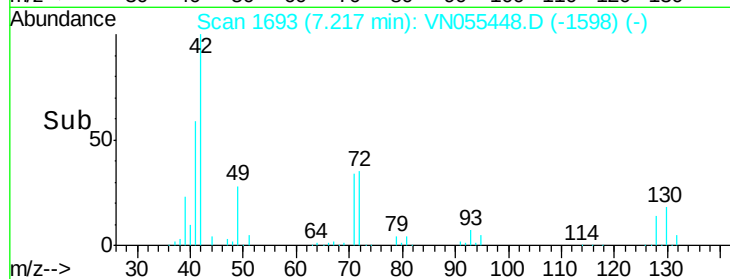
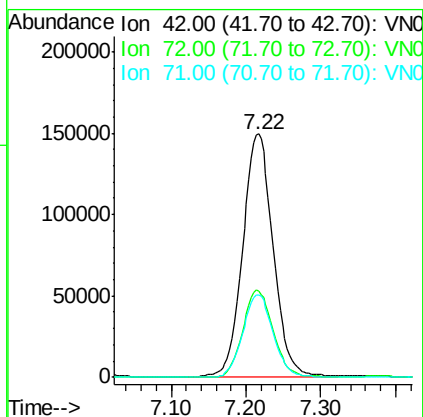
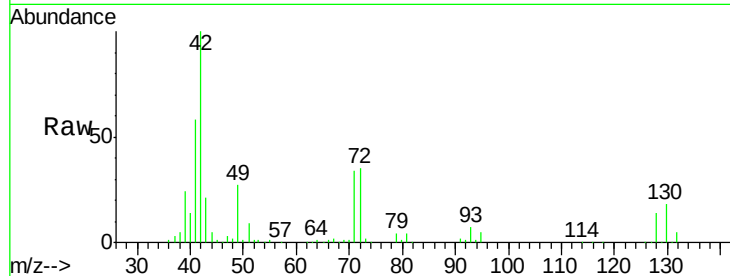
#29  
Tetrahydrofuran  
Concen: 357.028 ug/l  
RT: 7.22 min Scan# 1693  
Delta R.T. 0.01 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 36.0  | 29.0  | 43.6  |
| 71      | 33.9  | 27.1  | 40.7  |

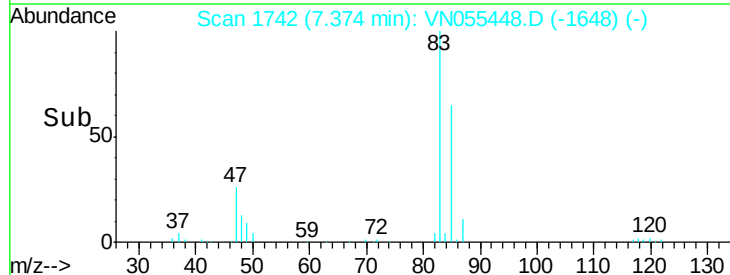
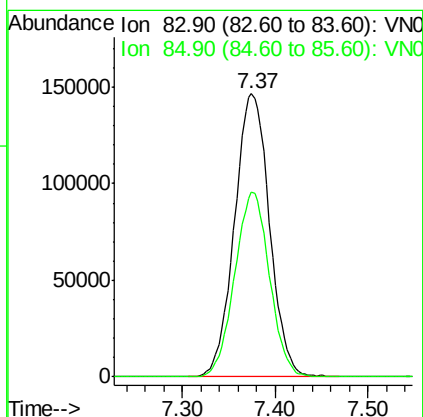
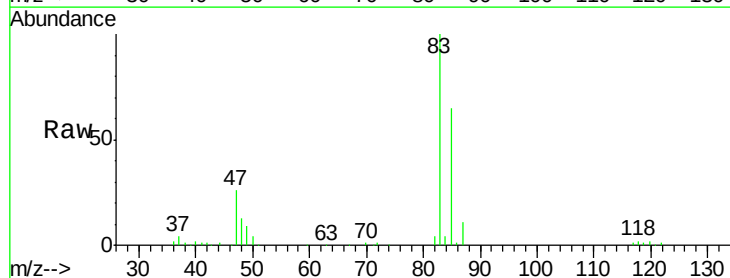
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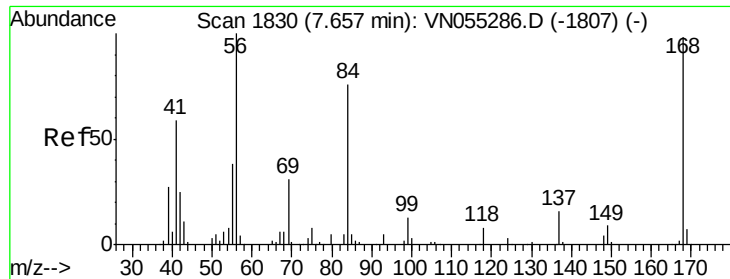
MMDadoda  
5/8/2019 10:19:32 AM



#30  
Chloroform  
Concen: 52.686 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.1  | 51.4  | 77.2  |





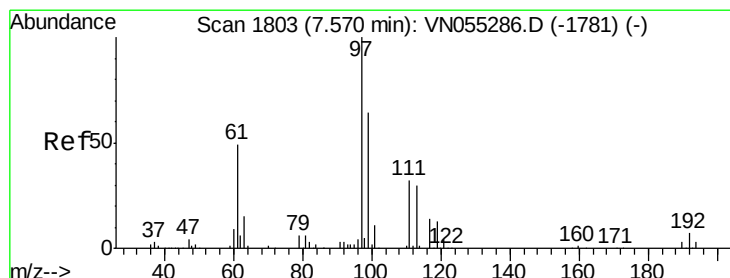
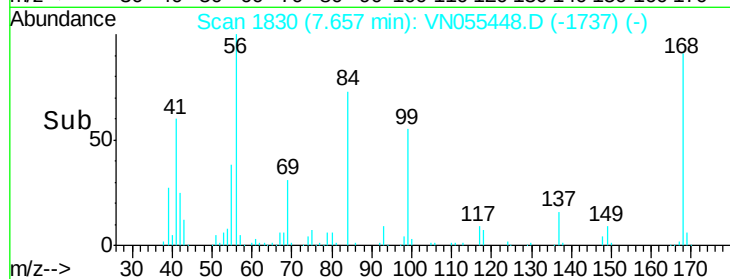
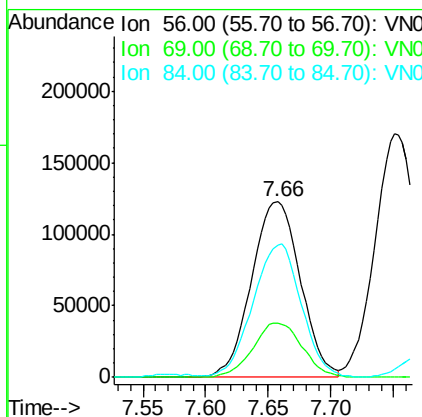
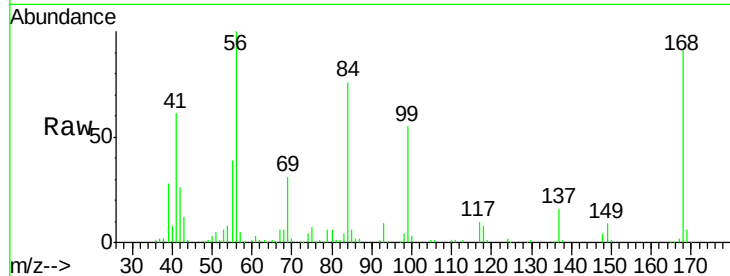
#31  
Cyclohexane  
Concen: 45.612 ug/l  
RT: 7.66 min Scan# 1830  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 30.8  | 25.2  | 37.8  |
| 84      | 74.3  | 61.1  | 91.7  |

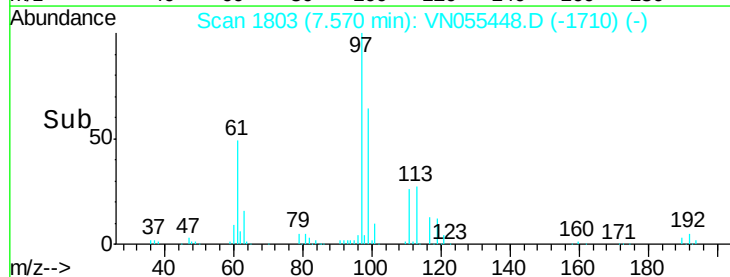
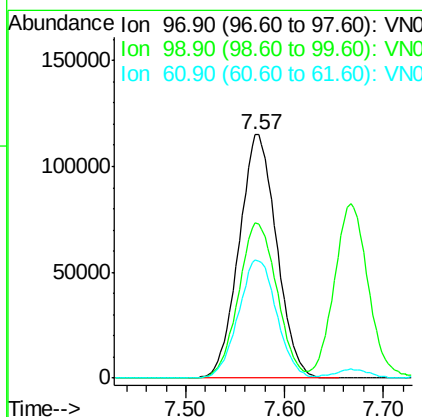
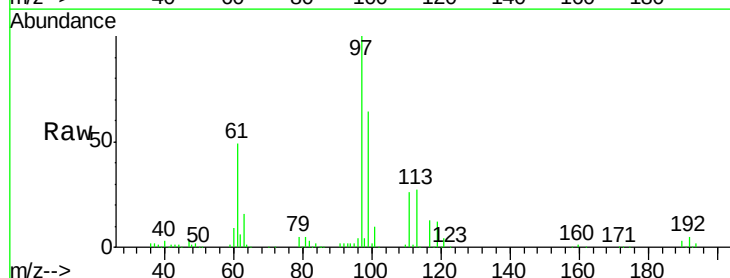
Manual Integrations  
APPROVED

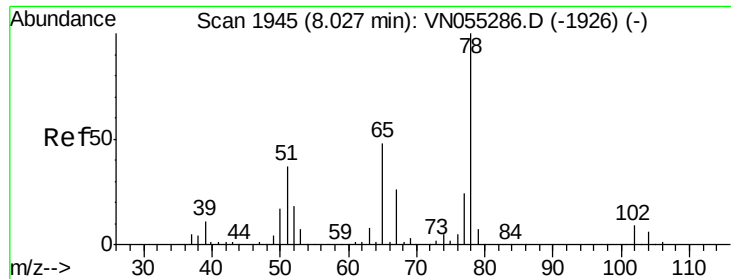
MMDadoda  
5/8/2019 10:19:32 AM



#32  
1,1,1-Trichloroethane  
Concen: 51.364 ug/l  
RT: 7.57 min Scan# 1803  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.8  | 51.8  | 77.8  |
| 61      | 49.2  | 39.0  | 58.6  |





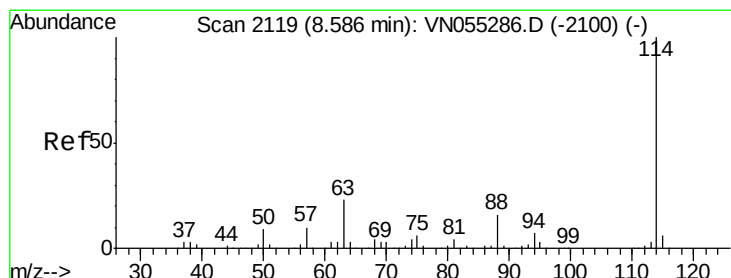
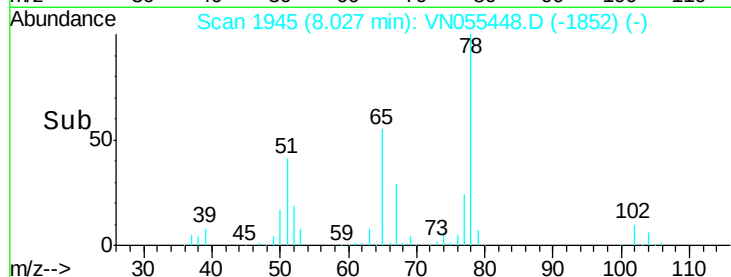
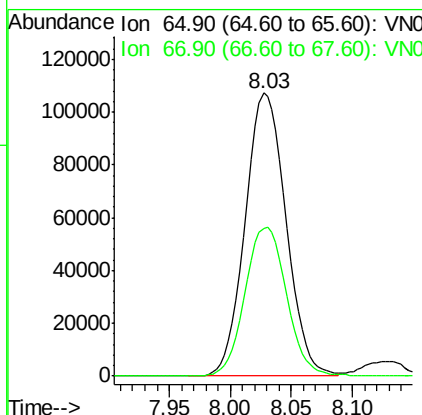
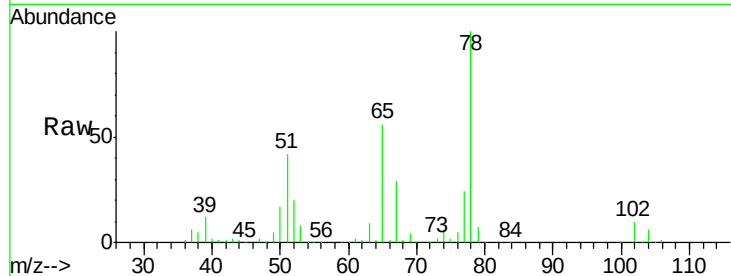
#33  
 1,2-Dichloroethane-d4  
 Concen: 53.707 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 248989 |       |       |
| 67      | 53.6  | 0.0    | 106.8 |       |

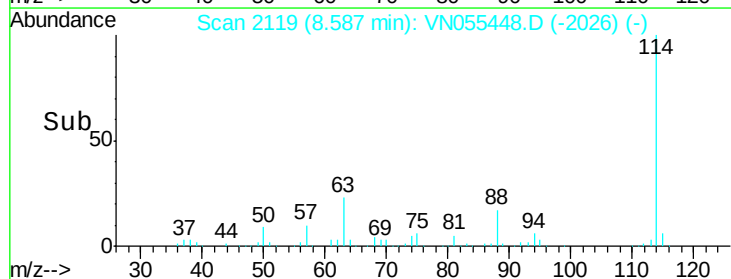
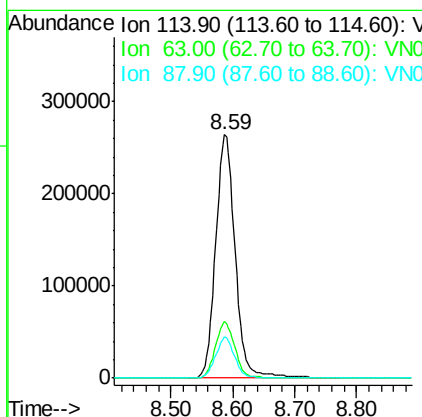
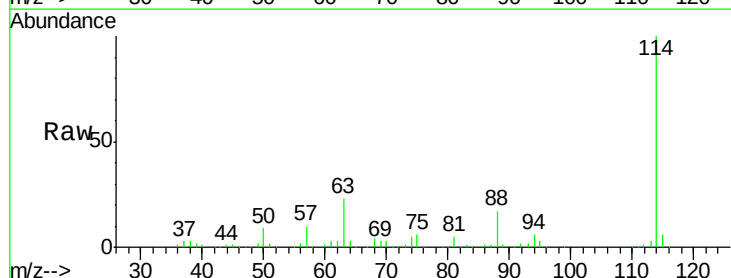
Manual Integrations  
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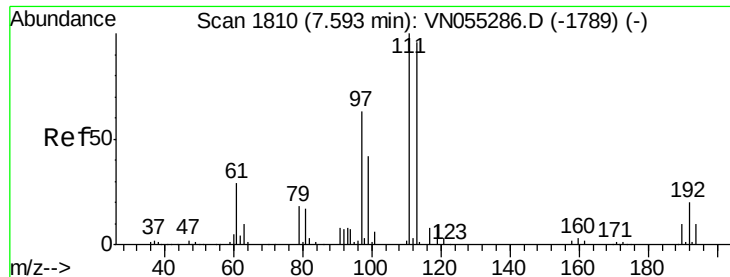
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 579522 |       |       |
| 63      | 23.1  | 0.0    | 45.2  |       |
| 88      | 16.8  | 0.0    | 31.6  |       |





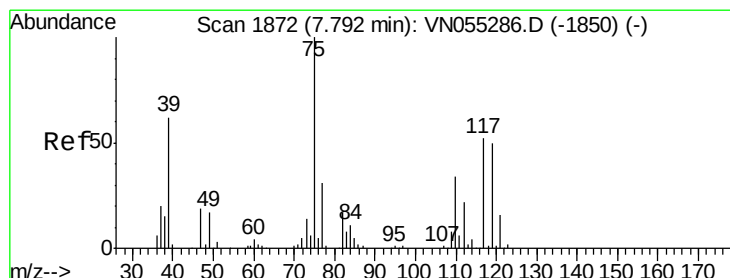
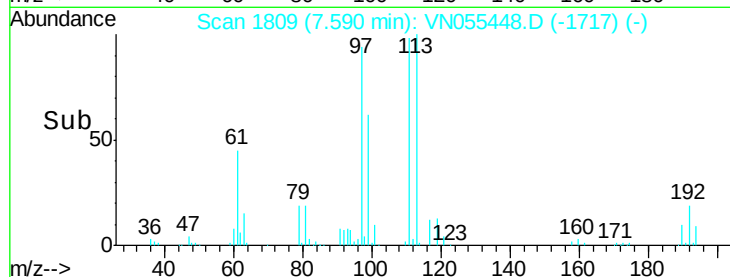
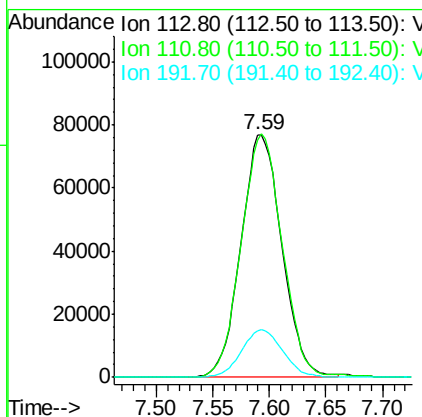
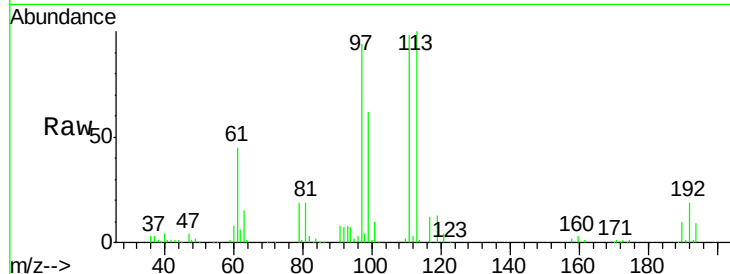
#35  
Dibromofluoromethane  
Concen: 50.926 ug/l  
RT: 7.59 min Scan# 1809  
Delta R.T. -0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 193710 |       |       |
| 111     | 100.9 | 82.3   | 123.5 |       |
| 192     | 19.6  | 17.0   | 25.6  |       |

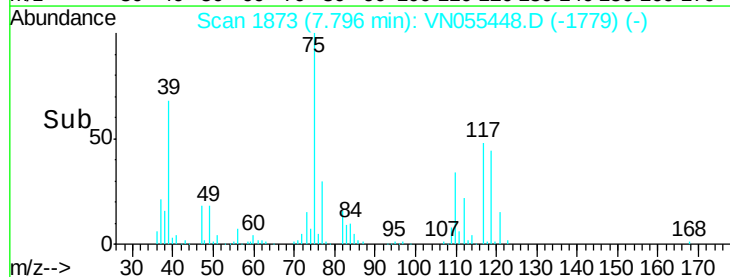
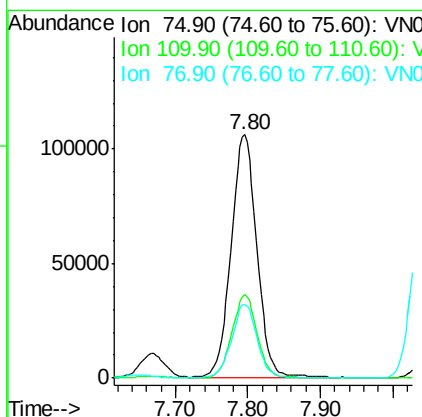
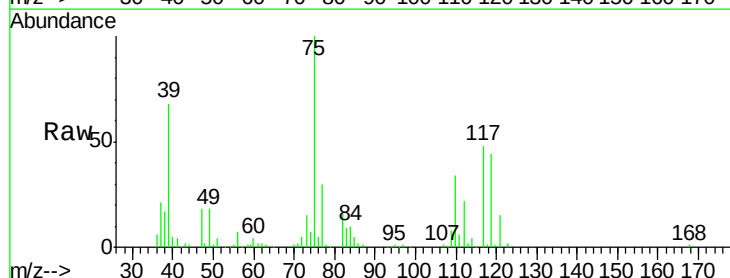
Manual Integrations  
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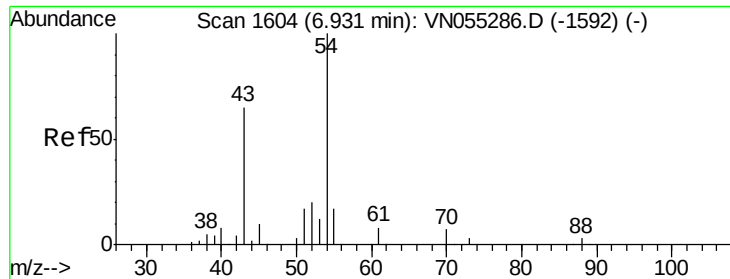
MMDadoda  
5/8/2019 10:19:32 AM



#36  
1,1-Dichloropropene  
Concen: 47.284 ug/l  
RT: 7.80 min Scan# 1873  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 262468 |       |       |
| 110     | 33.5  | 16.8   | 50.4  |       |
| 77      | 30.2  | 25.0   | 37.6  |       |





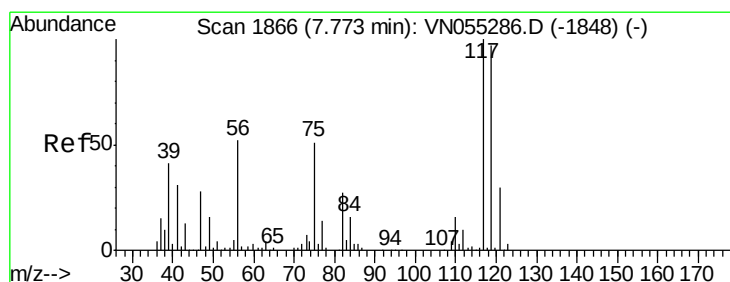
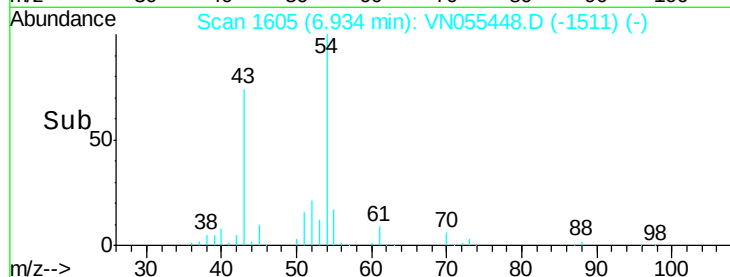
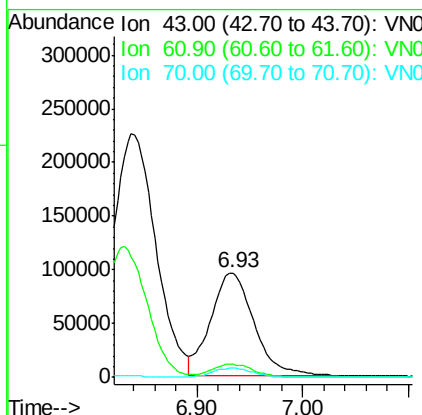
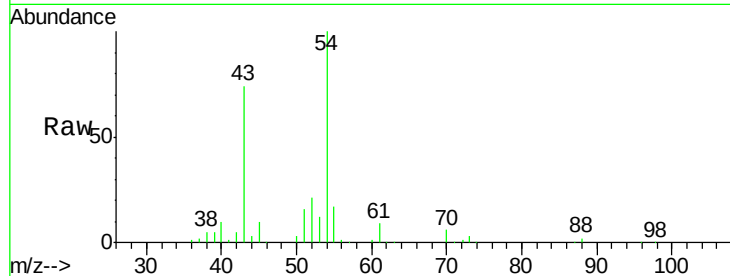
#37  
Ethyl Acetate  
Concen: 64.110 ug/l  
RT: 6.93 min Scan# 1605  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

| Tot Ion | 43     | 61   | 70   |
|---------|--------|------|------|
| Resp    | 272745 |      |      |
| Ratio   | 100    | 12.4 | 8.6  |
| Lower   |        | 10.4 | 6.6  |
| Upper   |        | 15.6 | 10.0 |

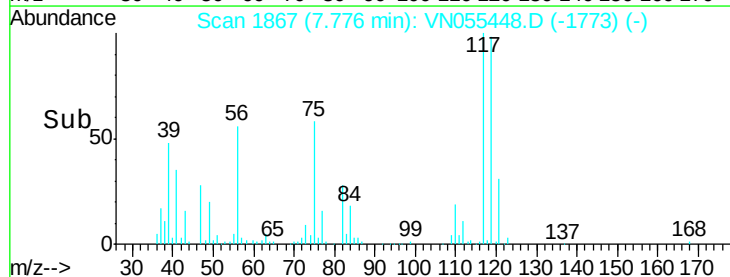
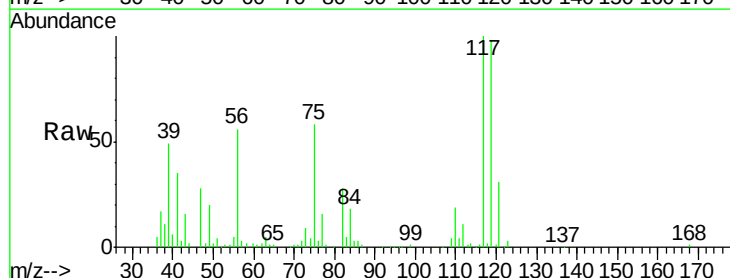
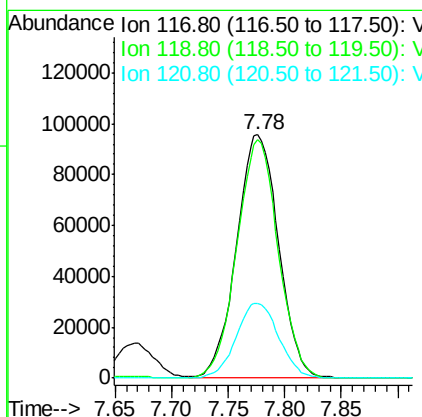
Manual Integrations  
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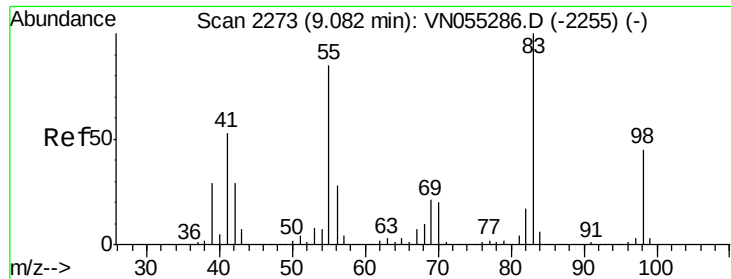


#38  
Carbon Tetrachloride  
Concen: 45.970 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

| Tgt Ion | 117    | 119   | 121  |
|---------|--------|-------|------|
| Resp    | 246151 |       |      |
| Ratio   | 100    | 98.0  | 30.7 |
| Lower   |        | 77.0  | 23.8 |
| Upper   |        | 115.6 | 35.8 |







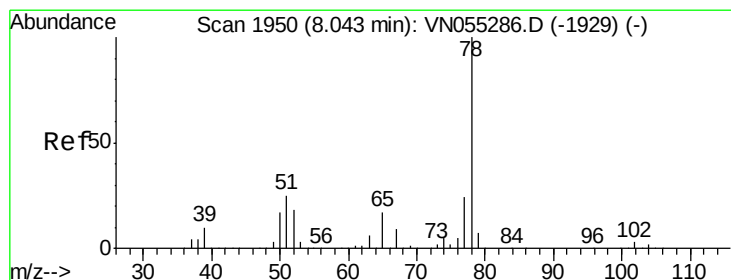
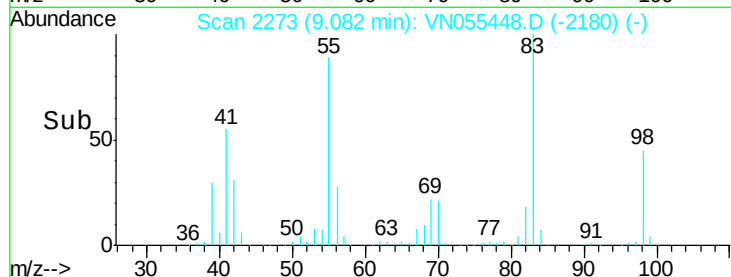
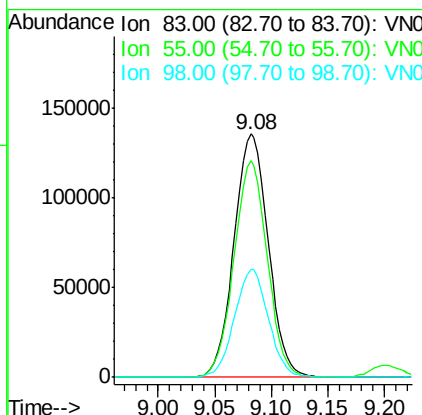
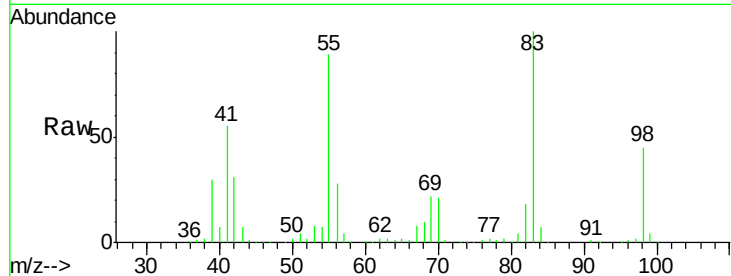
#39  
Methylvlcyclohexane  
Concen: 48.508 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 88.9  | 67.8  | 101.6 |
| 98      | 44.6  | 36.2  | 54.4  |

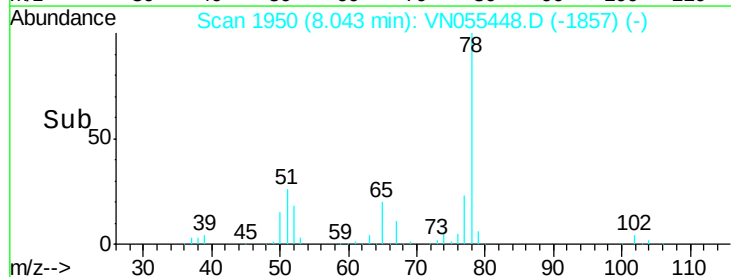
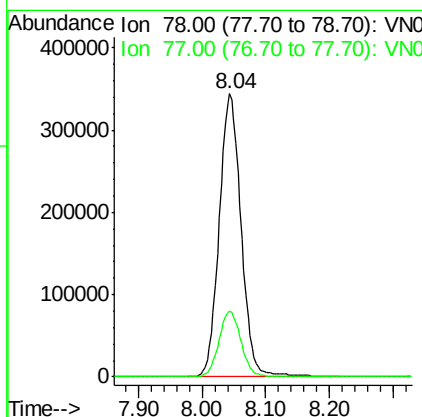
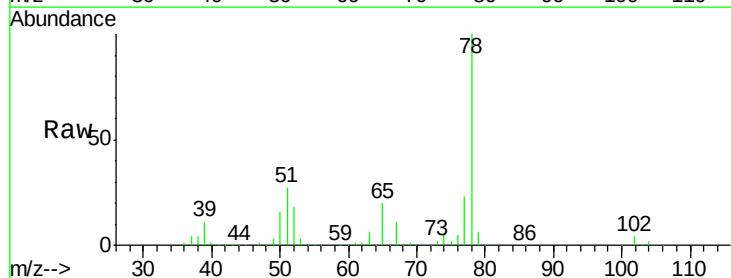
Manual Integrations  
APPROVED

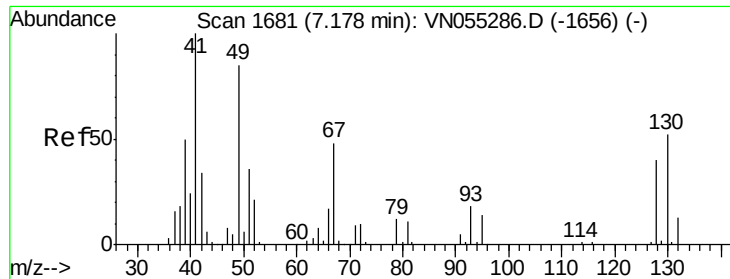
MMDadoda  
5/8/2019 10:19:32 AM



#40  
Benzene  
Concen: 50.232 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.4  | 19.0  | 28.6  |





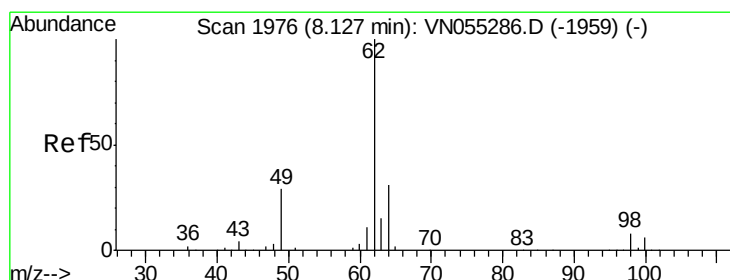
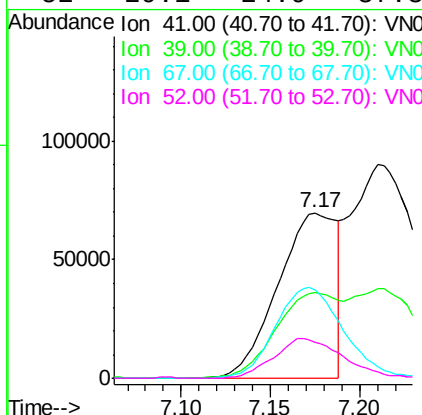
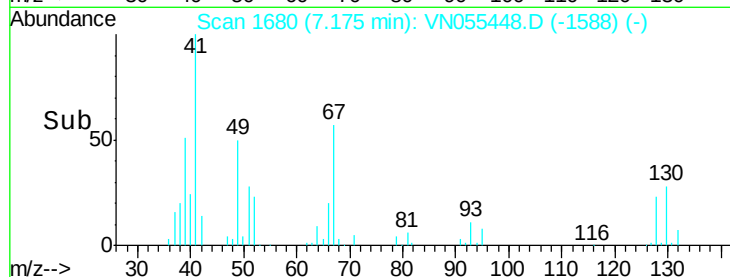
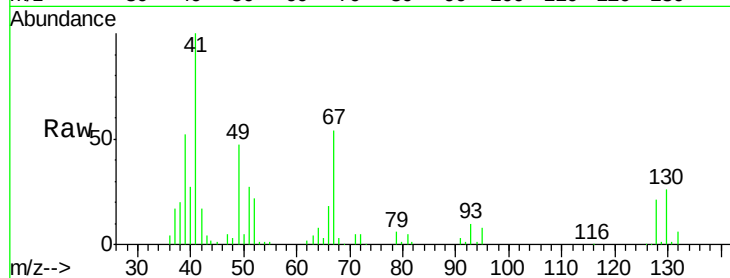
#41  
Methacrylonitrile  
Concen: 68.872 ug/l  
RT: 7.17 min Scan# 1680  
Delta R.T. -0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

| Tot Ion   | 41    | Resp  | 159231 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 39        | 57.1  | 48.5  | 72.7   |
| 67        | 64.4  | 54.9  | 82.3   |
| 52        | 29.1  | 24.9  | 37.3   |

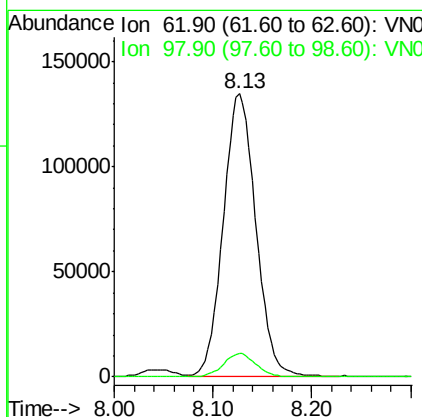
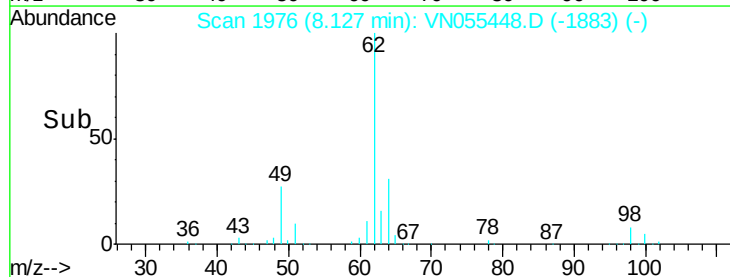
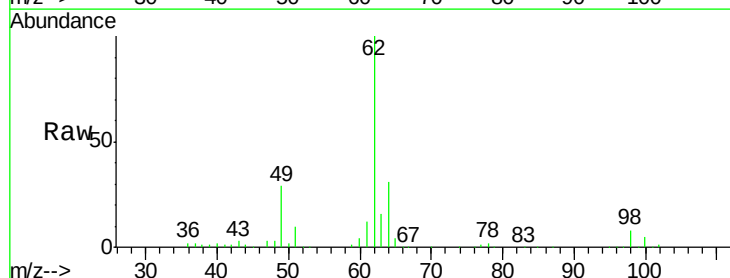
Manual Integrations  
APPROVED

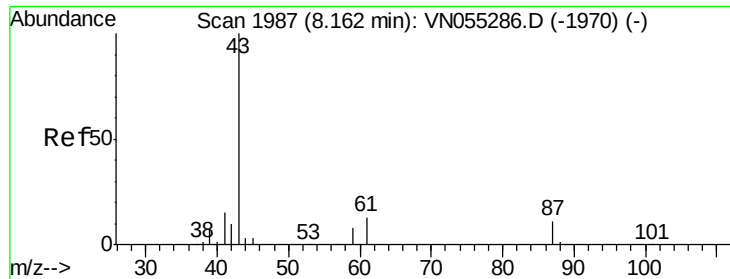
MMDadoda  
5/8/2019 10:19:32 AM



#42  
1,2-Dichloroethane  
Concen: 53.547 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

| Tgt Ion   | 62    | Resp  | 310345 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 62        | 100   |       |        |
| 98        | 8.2   | 0.0   | 16.4   |





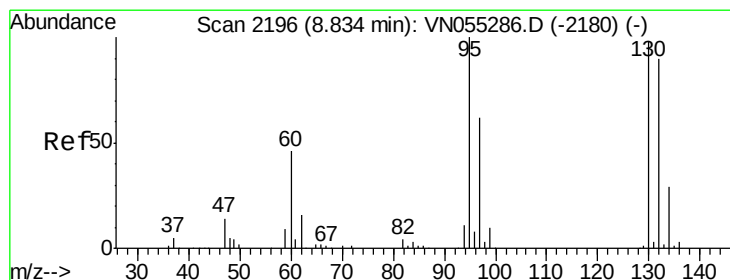
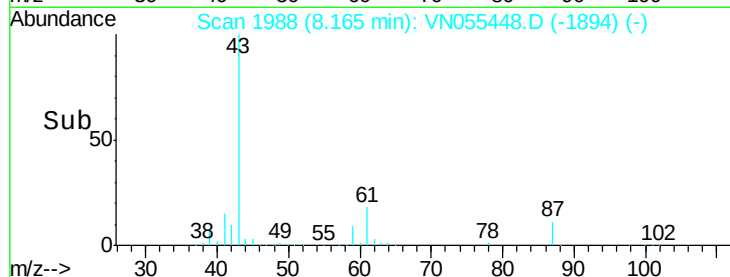
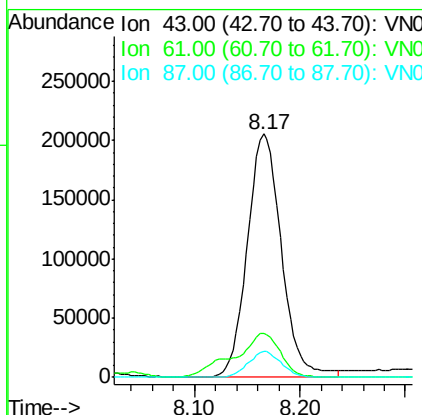
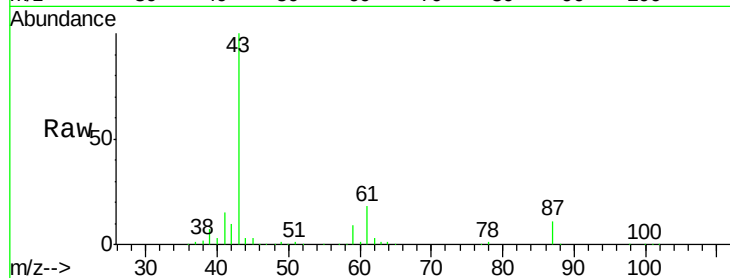
#43  
Isopropyl Acetate  
Concen: 67.663 ug/l  
RT: 8.17 min Scan# 1988  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 462607 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 24.6  | 20.8  | 31.2   |
| 87       | 10.3  | 8.5   | 12.7   |

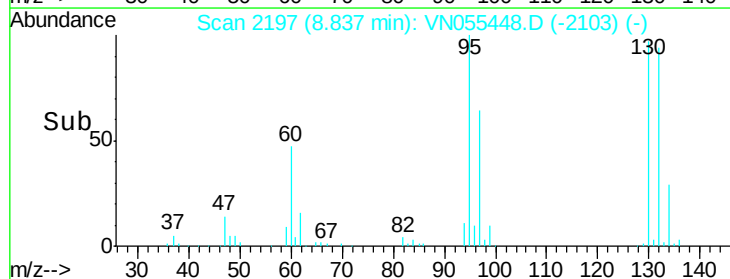
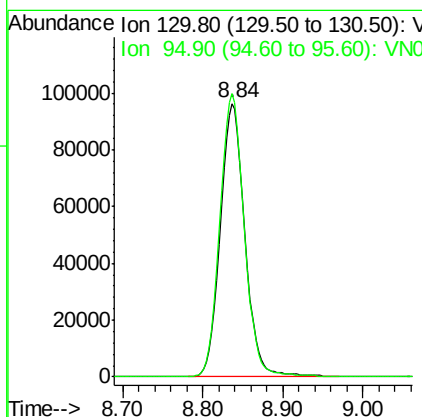
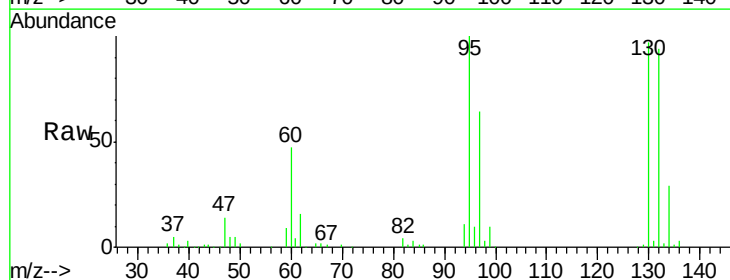
Manual Integrations  
APPROVED

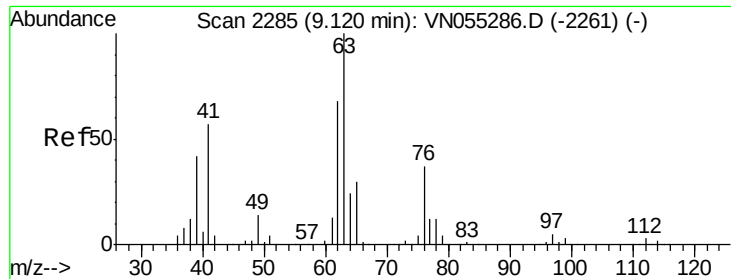
MMDadoda  
5/8/2019 10:19:32 AM



#44  
Trichloroethene  
Concen: 48.976 ug/l  
RT: 8.84 min Scan# 2197  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 204307 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 103.4 | 0.0   | 203.4  |





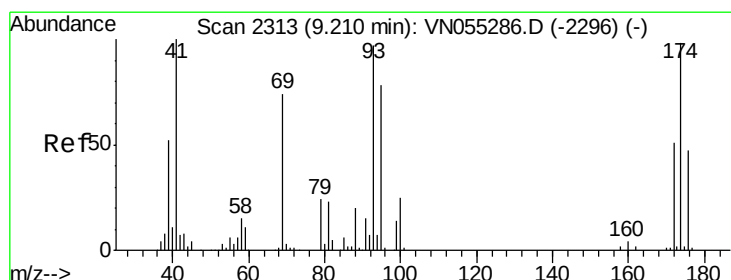
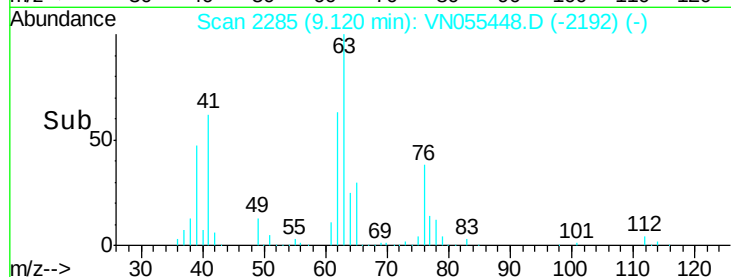
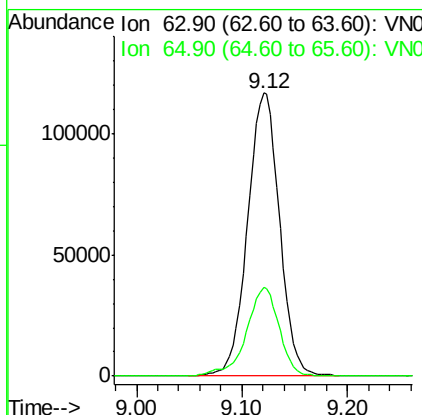
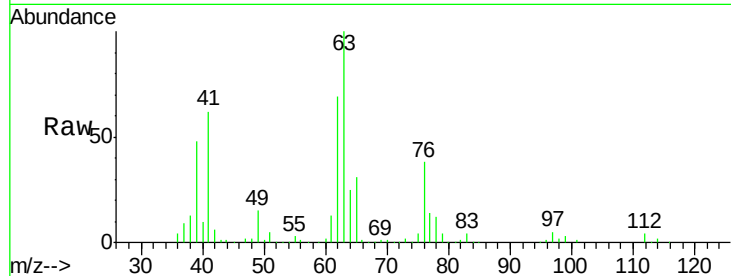
#45  
 1,2-Dichloropropane  
 Concen: 52.302 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 63 Resp: 246841  
 Ion Ratio Lower Upper  
 63 100  
 65 31.4 23.9 35.9

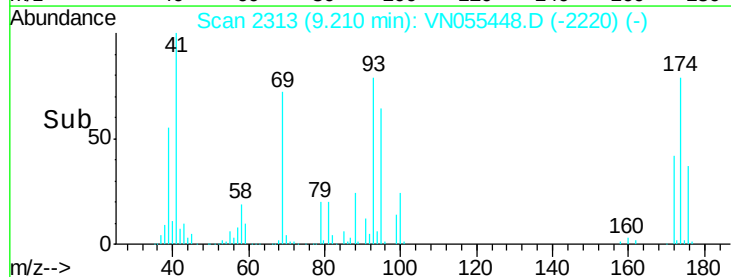
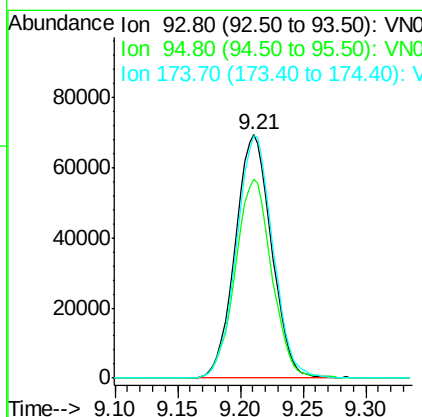
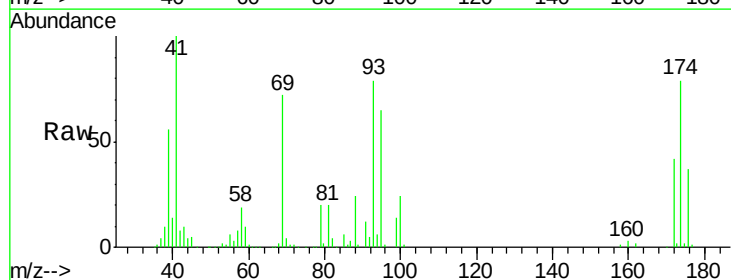
Manual Integrations  
 APPROVED

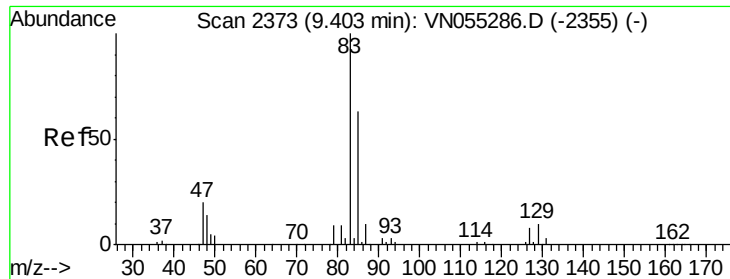
MMDadoda  
 5/8/2019 10:19:32 AM



#46  
 Dibromomethane  
 Concen: 54.229 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

Tgt Ion: 93 Resp: 139897  
 Ion Ratio Lower Upper  
 93 100  
 95 82.0 65.7 98.5  
 174 100.0 81.5 122.3





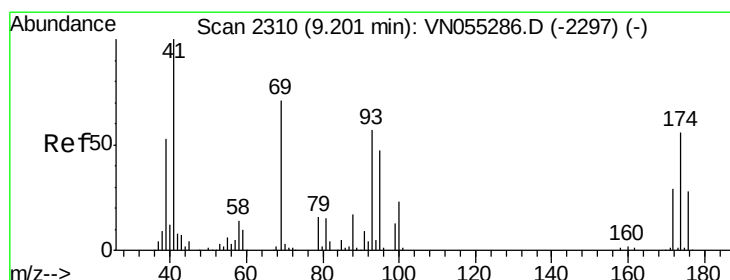
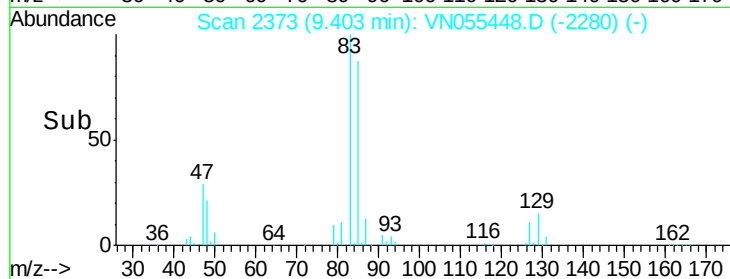
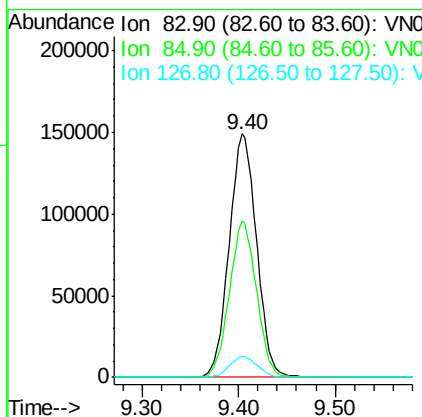
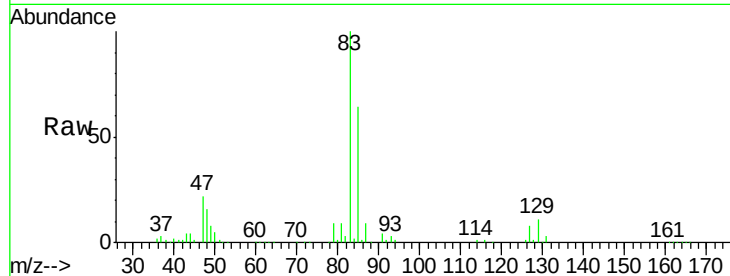
#47  
Bromodichloromethane  
Concen: 52.926 ug/l  
RT: 9.40 min Scan# 2373  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 292908 |       |       |
| 85      | 64.2  | 50.1   | 75.1  |       |
| 127     | 8.4   | 6.7    | 10.1  |       |

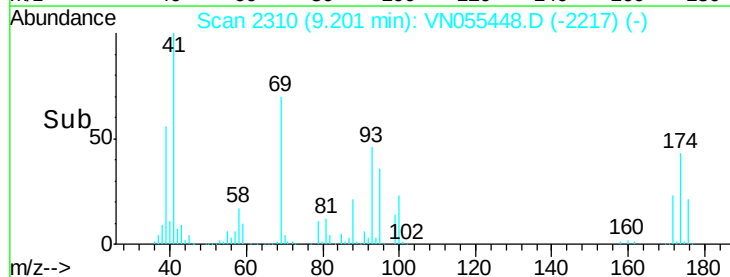
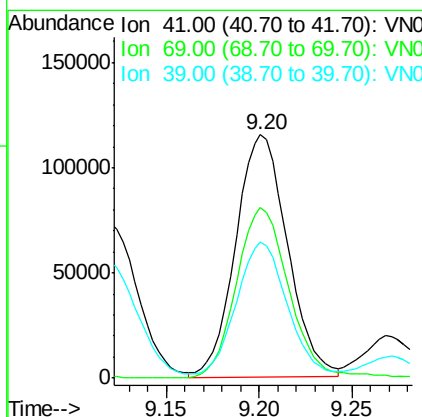
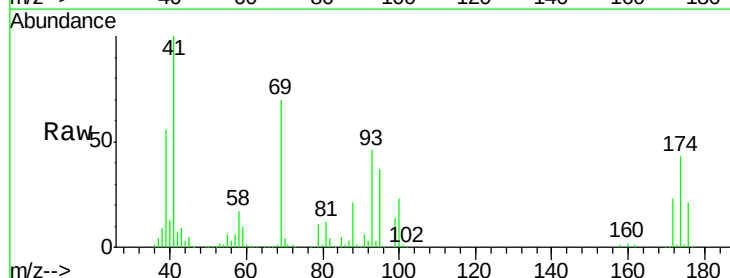
Manual Integrations  
APPROVED

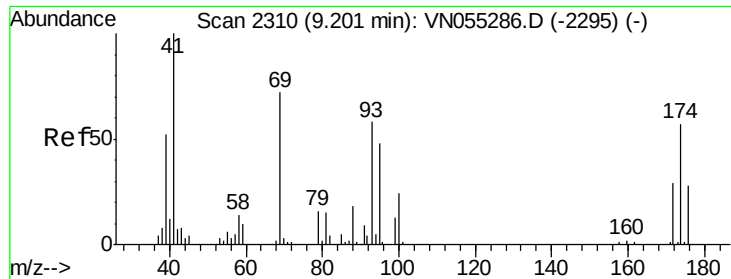
MMDadoda  
5/8/2019 10:19:32 AM



#48  
Methyl methacrylate  
Concen: 66.476 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 41      | 100   | 223431 |       |       |
| 69      | 71.9  | 58.6   | 87.8  |       |
| 39      | 55.1  | 43.8   | 65.6  |       |





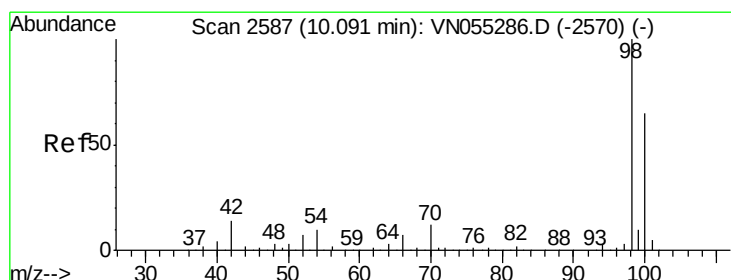
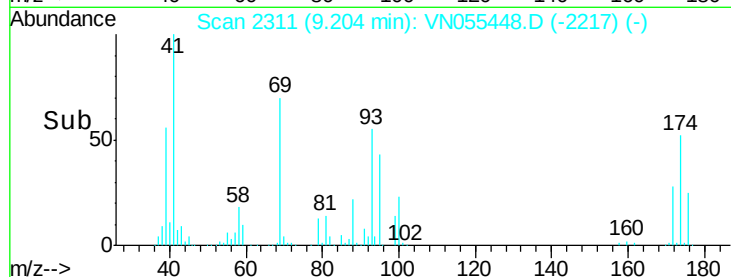
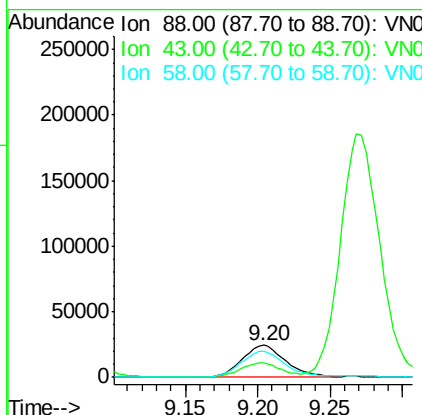
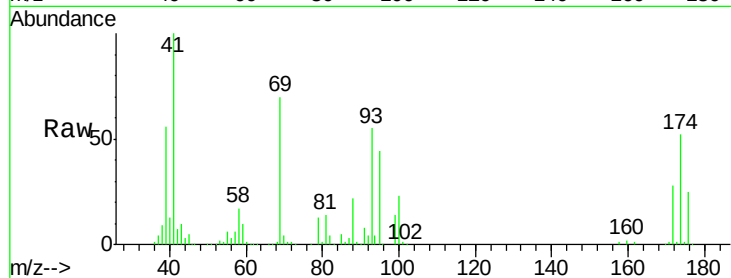
#49  
1,4-Dioxane  
Concen: 1478.773 ug/l  
RT: 9.20 min Scan# 2311  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 88    | Resp  | 51379 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 41.0  | 33.3  | 49.9  |
| 58      | 81.2  | 62.7  | 94.1  |

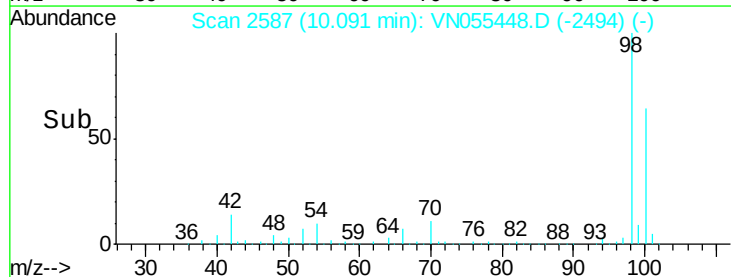
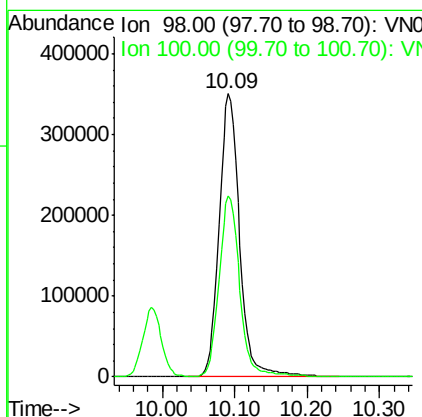
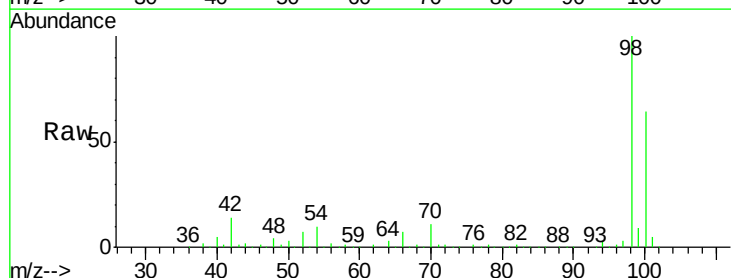
Manual Integrations  
APPROVED

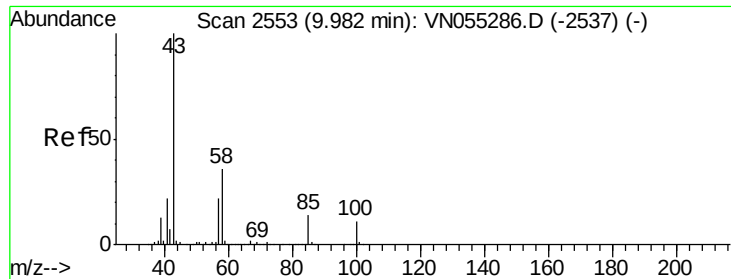
MMDadoda  
5/8/2019 10:19:32 AM



#50  
Toluene-d8  
Concen: 49.824 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

| Tgt Ion | 98    | Resp  | 684330 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 65.0  | 51.7  | 77.5   |





#51

4-Methyl-2-Pentanone

Concen: 357.464 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1375986

Ion Ratio Lower Upper

43 100

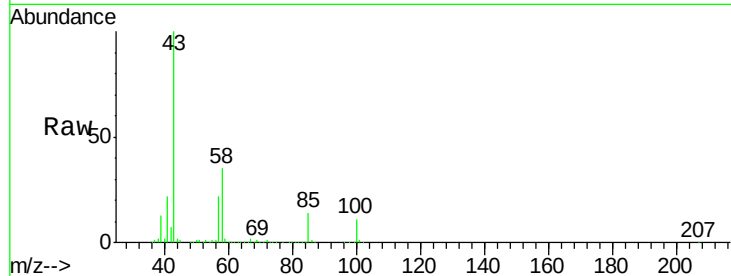
58 34.7 28.5 42.7

Manual Integrations

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MMDadoda

5/8/2019 10:19:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

400000

200000

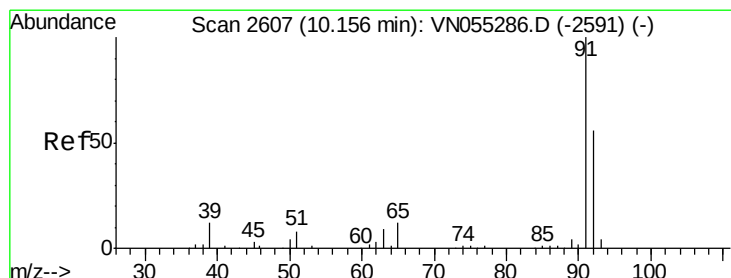
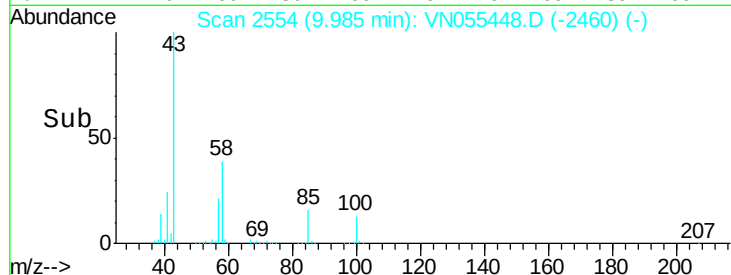
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 51.294 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055448.D

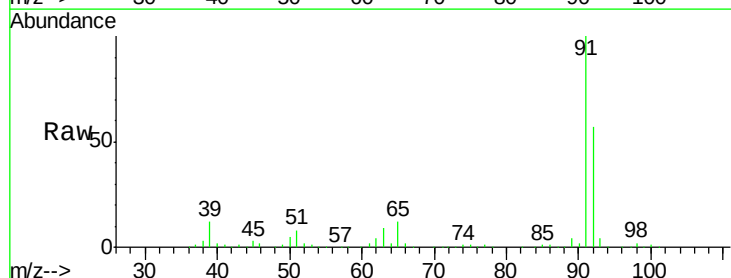
Acq: 7 May 2019 19:41

Tgt Ion: 92 Resp: 481606

Ion Ratio Lower Upper

92 100

91 175.9 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

500000

400000

300000

200000

100000

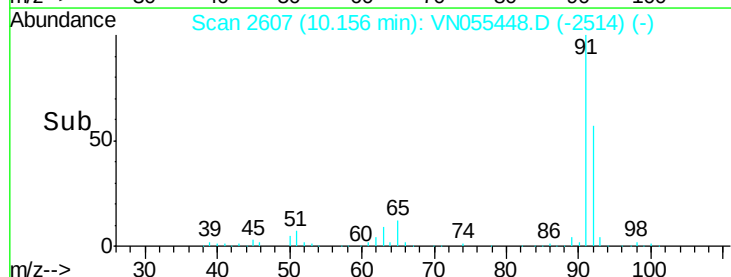
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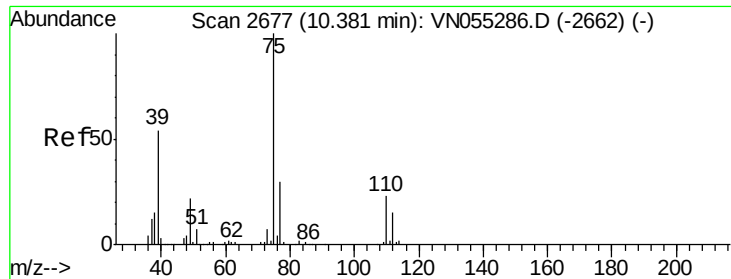
10.10

10.20

10.30

Time-->





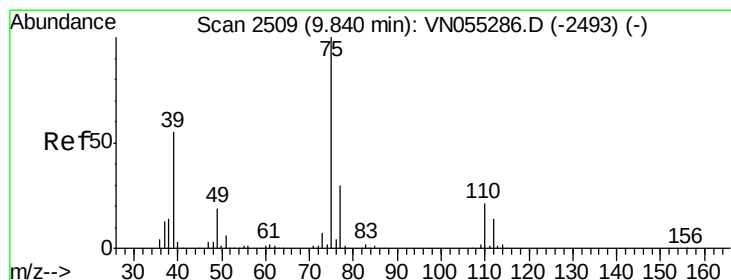
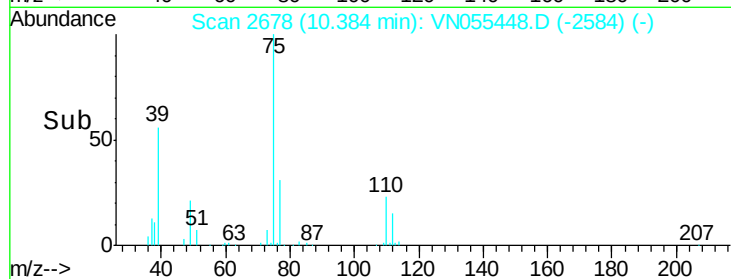
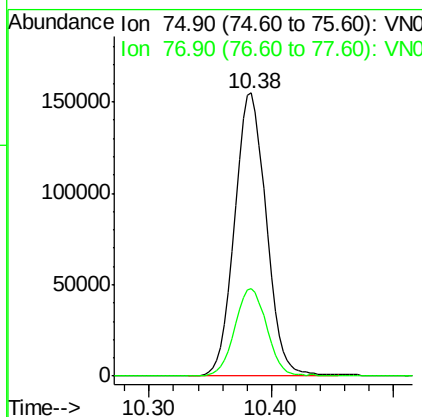
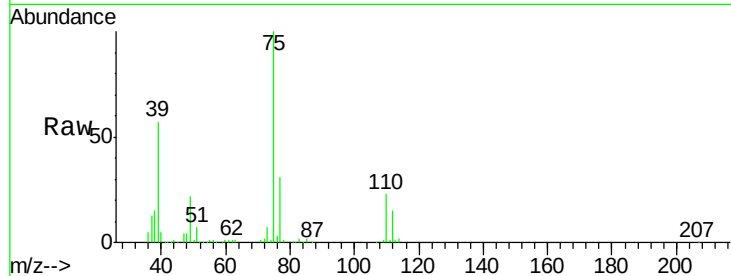
#53  
t-1,3-Dichloropropene  
Concen: 58.028 ug/l  
RT: 10.38 min Scan# 2678  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.8  | 24.4  | 36.6  |

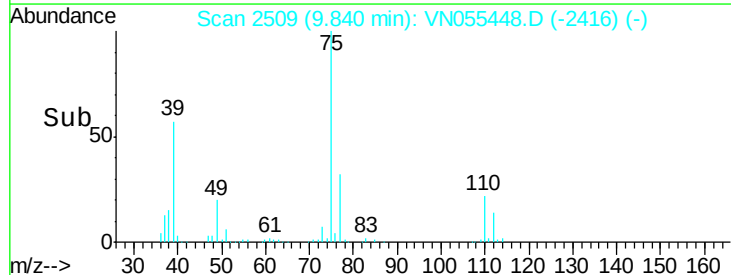
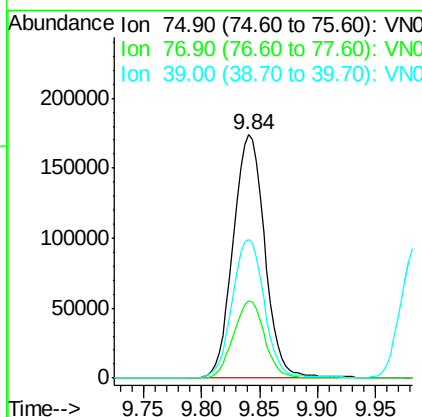
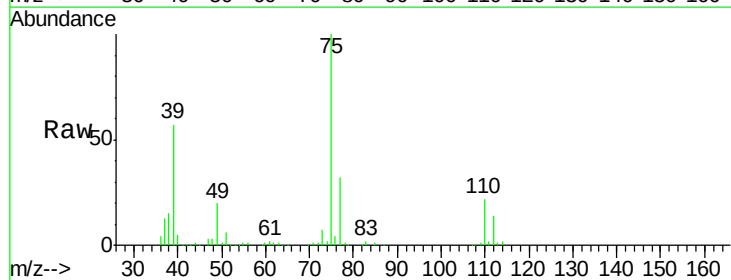
Manual Integrations  
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5/8/2019 10:19:32 AM

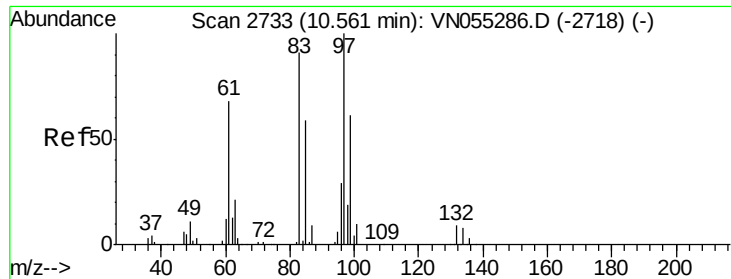


#54  
cis-1,3-Dichloropropene  
Concen: 54.992 ug/l  
RT: 9.84 min Scan# 2509  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.8  | 24.2  | 36.2  |
| 39      | 57.0  | 44.2  | 66.2  |







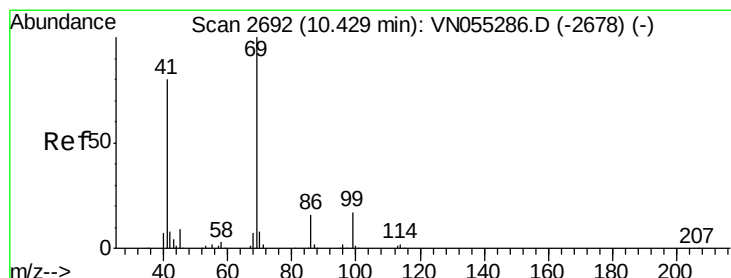
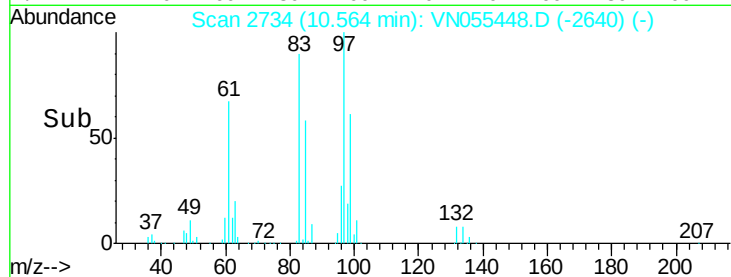
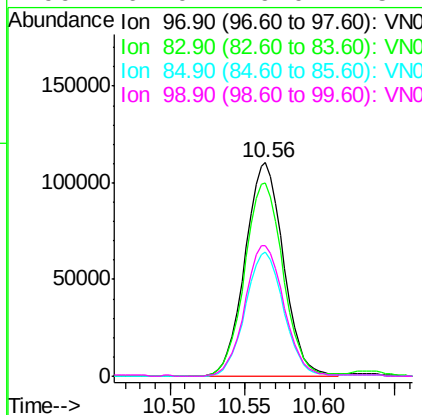
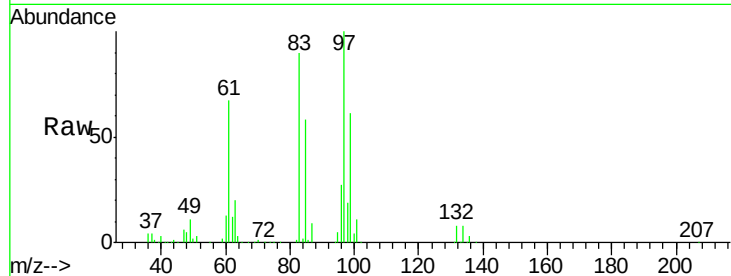
#55  
 1,1,2-Trichloroethane  
 Concen: 56.624 ug/l  
 RT: 10.56 min Scan# 2734  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 197423 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 90.3  | 72.8  | 109.2  |
| 85       | 58.0  | 47.0  | 70.6   |
| 99       | 61.0  | 49.0  | 73.4   |

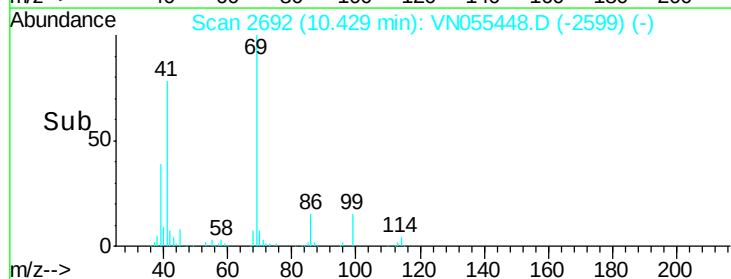
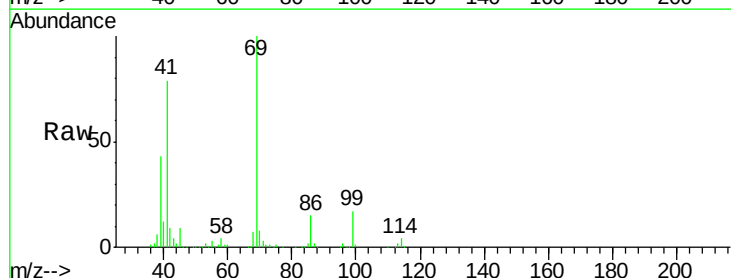
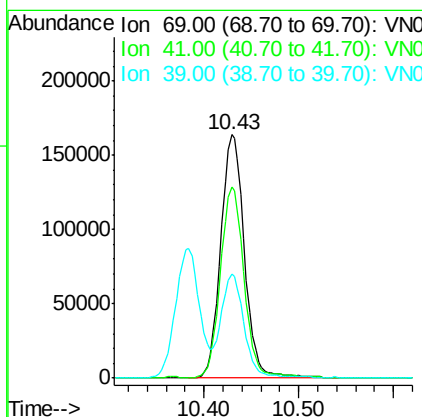
Manual Integrations  
 APPROVED

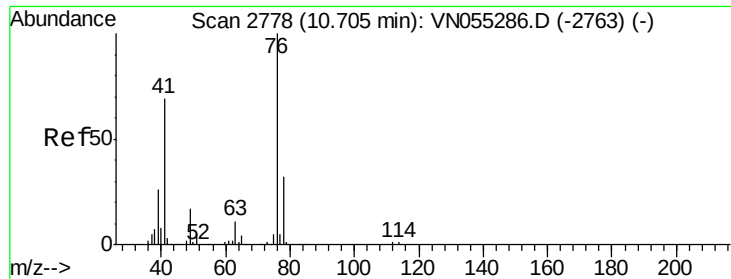
MMDadoda  
 5/8/2019 10:19:32 AM



#56  
 Ethyl methacrylate  
 Concen: 66.679 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 286146 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 77.8  | 62.7  | 94.1   |
| 39       | 40.7  | 32.0  | 48.0   |





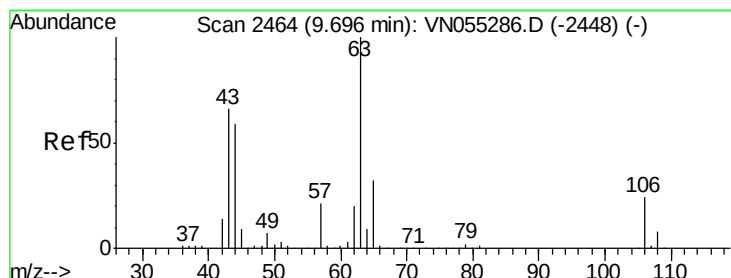
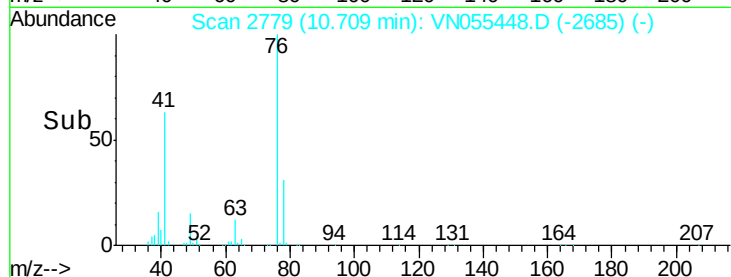
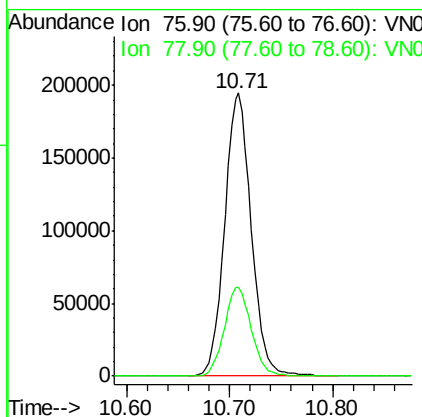
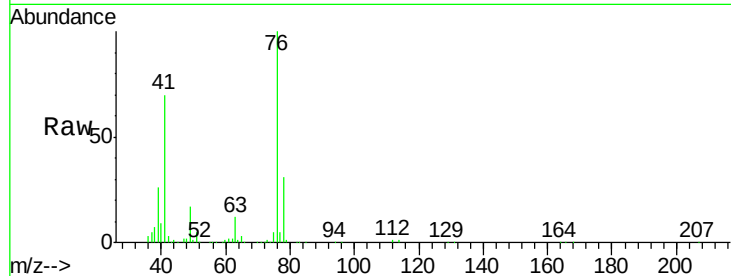
#57  
 1,3-Dichloropropane  
 Concen: 57.019 ug/l  
 RT: 10.71 min Scan# 2779  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

Tot Ion: 76 Resp: 348746  
 Ion Ratio Lower Upper  
 76 100  
 78 32.0 25.6 38.4

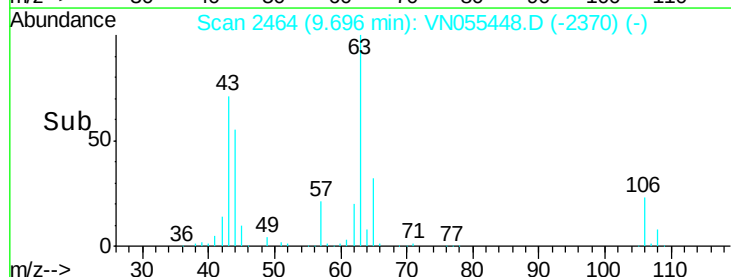
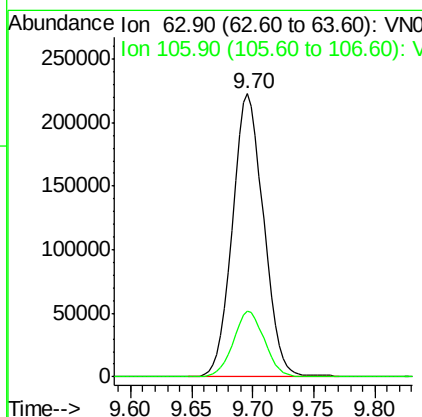
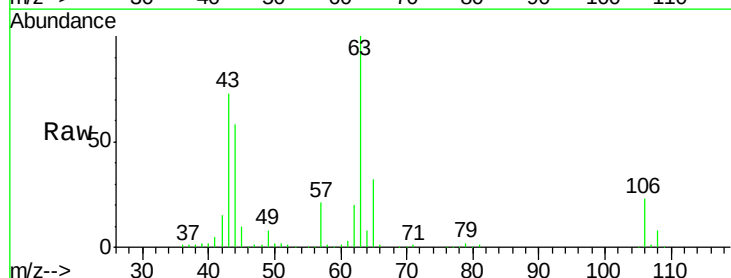
Manual Integrations  
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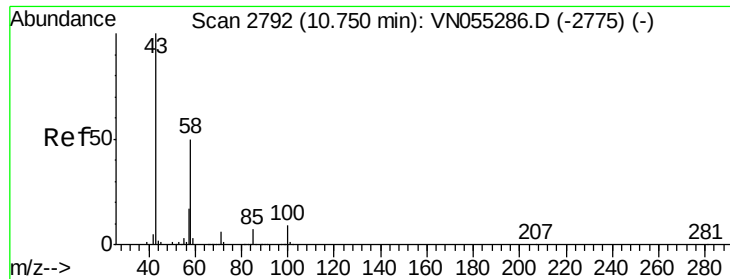
MMDadoda  
 5/8/2019 10:19:32 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 294.767 ug/l  
 RT: 9.70 min Scan# 2464  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

Tgt Ion: 63 Resp: 395690  
 Ion Ratio Lower Upper  
 63 100  
 106 23.2 19.0 28.4





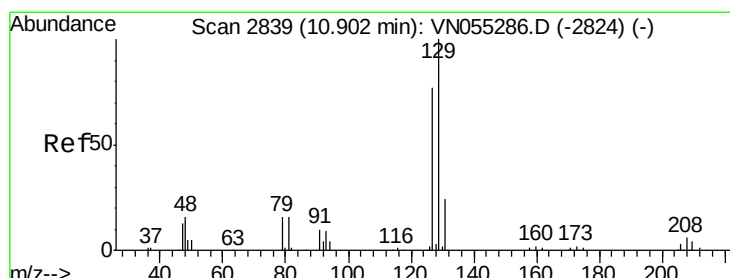
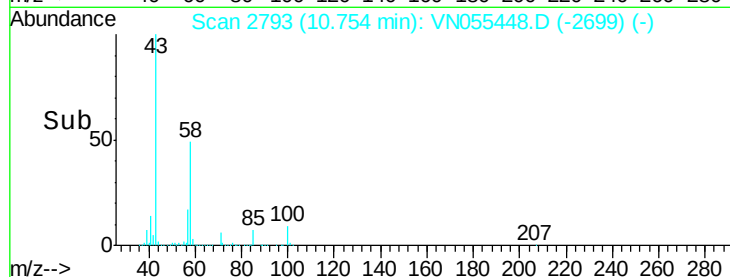
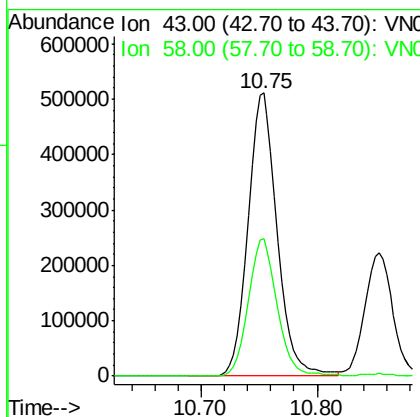
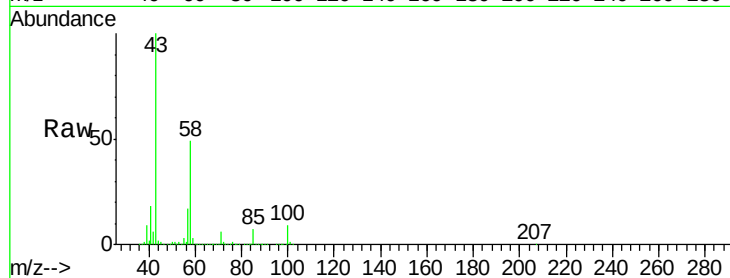
#59  
2-Hexanone  
Concen: 370.351 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 891973  
Ion Ratio Lower Upper  
43 100  
58 48.5 24.9 74.6

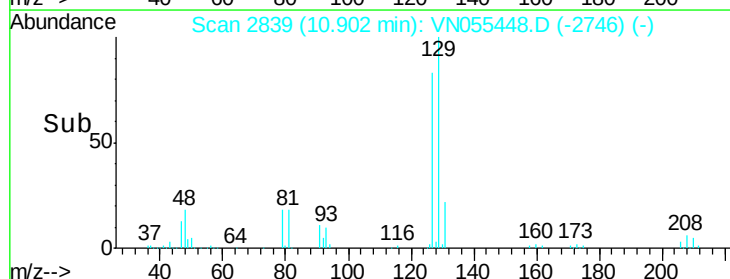
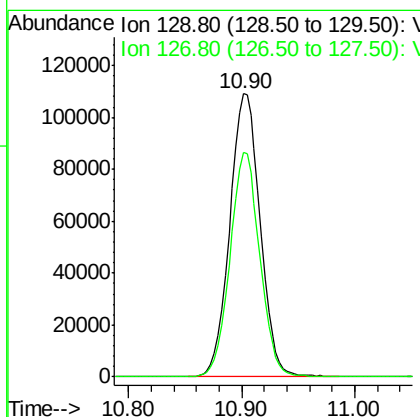
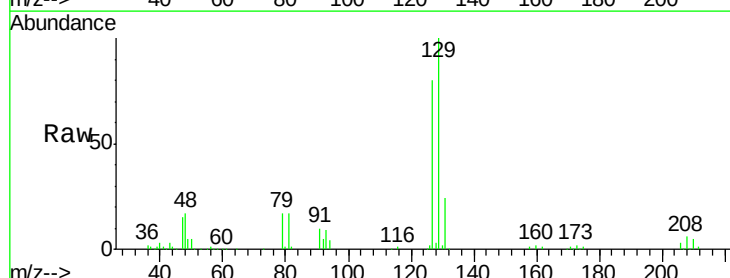
Manual Integrations  
APPROVED

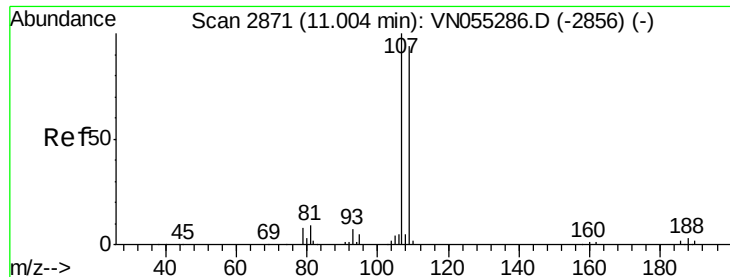
MMDadoda  
5/8/2019 10:19:32 AM



#60  
Dibromochloromethane  
Concen: 57.212 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Tgt Ion: 129 Resp: 203867  
Ion Ratio Lower Upper  
129 100  
127 77.6 38.1 114.5





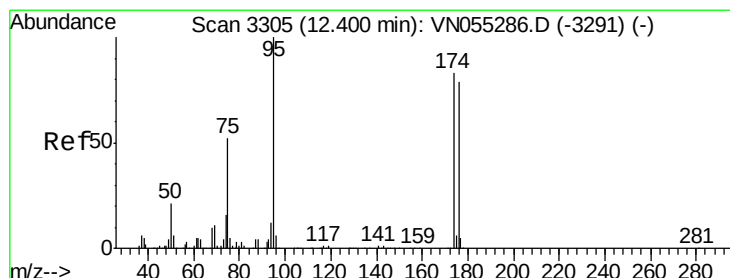
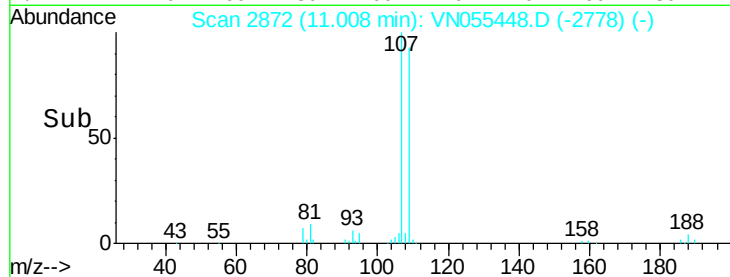
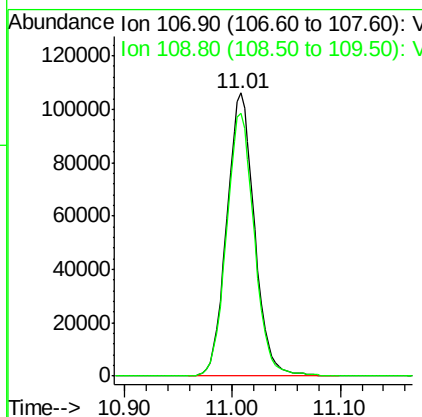
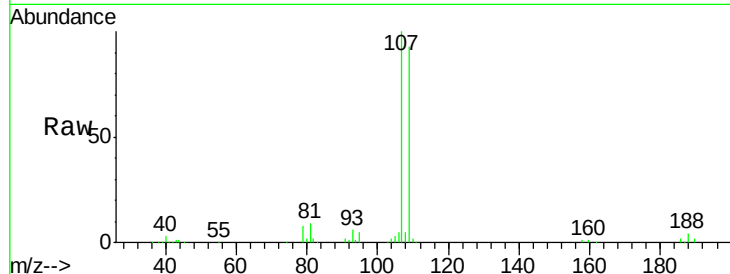
#61  
 1,2-Dibromoethane  
 Concen: 58.821 ug/l  
 RT: 11.01 min Scan# 2872  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 189555 |       |       |
| 109     | 93.5  | 75.0   | 112.6 |       |

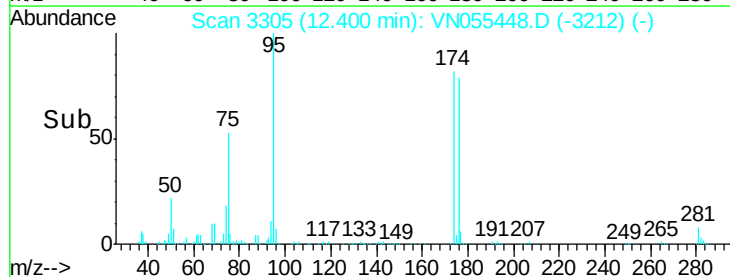
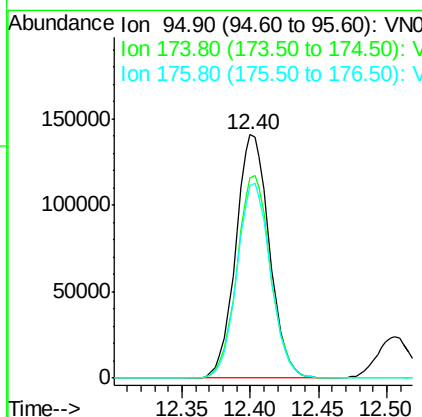
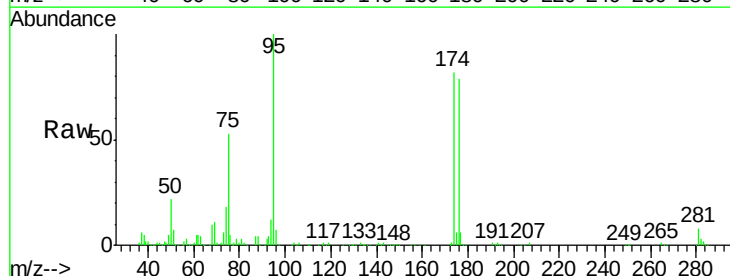
Manual Integrations  
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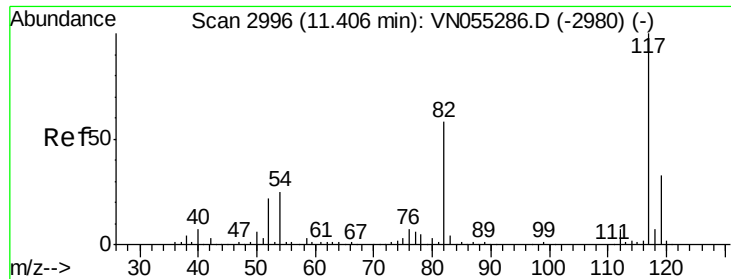
MMDadoda  
 5/8/2019 10:19:32 AM



#62  
 4-Bromofluorobenzene  
 Concen: 56.000 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 240389 |       |       |
| 174     | 83.3  | 0.0    | 166.6 |       |
| 176     | 80.1  | 0.0    | 157.8 |       |





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

Instrument :

MSVOA\_N

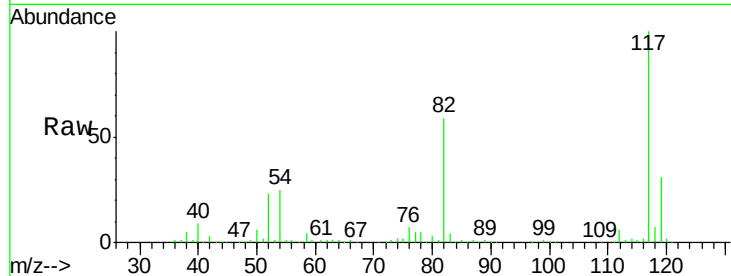
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 499691 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 58.6  | 46.2  | 69.4   |
| 119       | 31.4  | 26.6  | 40.0   |

Manual Integrations  
APPROVED

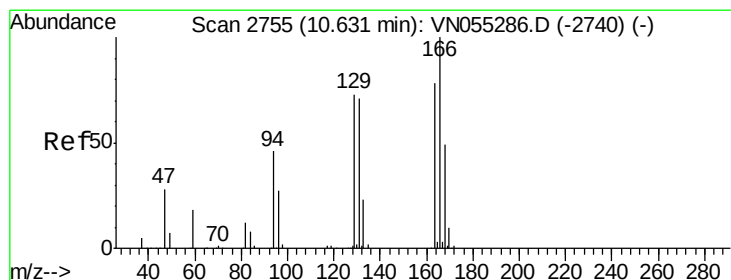
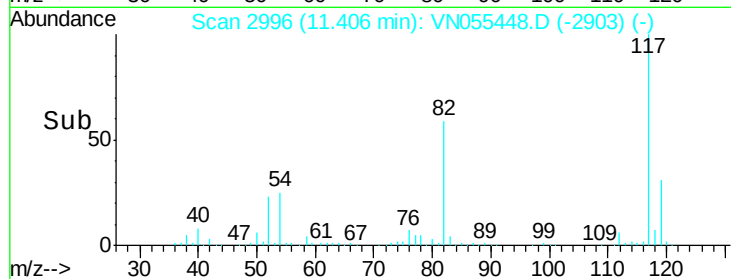
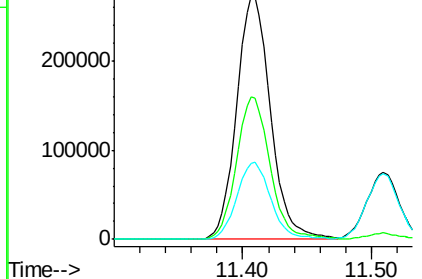
MMDadoda  
5/8/2019 10:19:32 AM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 49.778 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

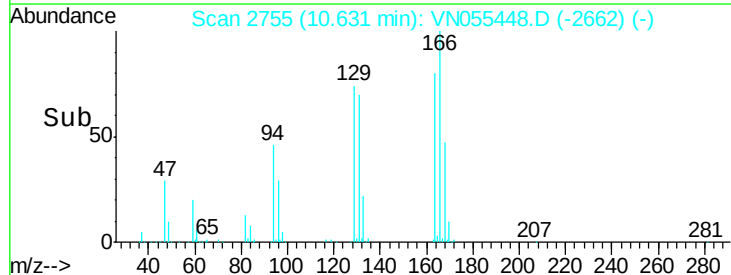
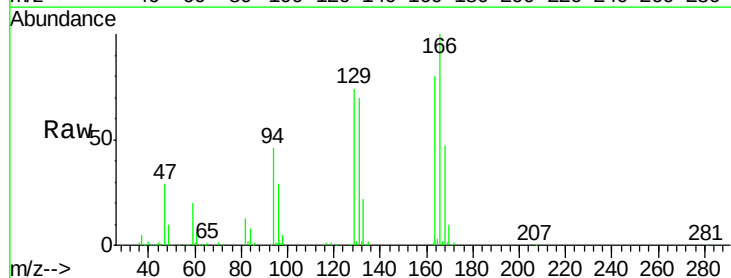
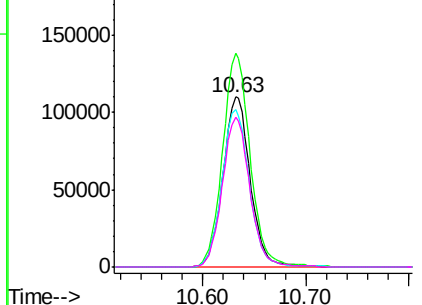
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 203409 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 166       | 125.5 | 102.3 | 153.5  |
| 129       | 92.8  | 75.0  | 112.6  |
| 131       | 87.5  | 72.7  | 109.1  |

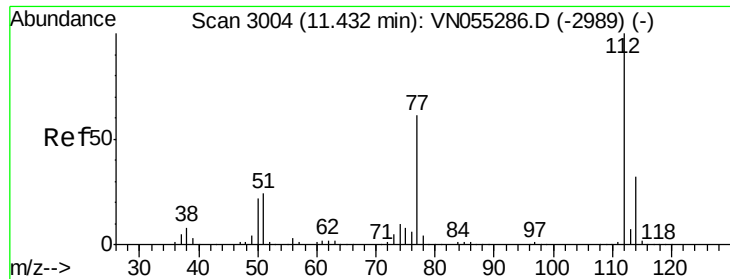
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





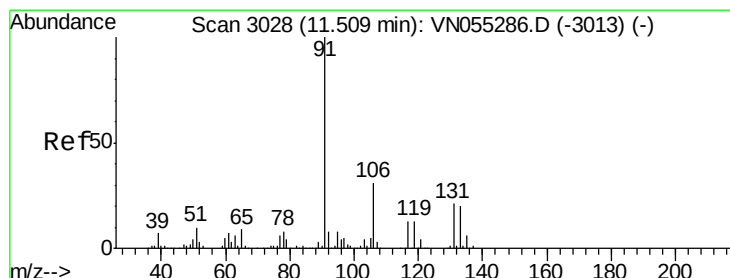
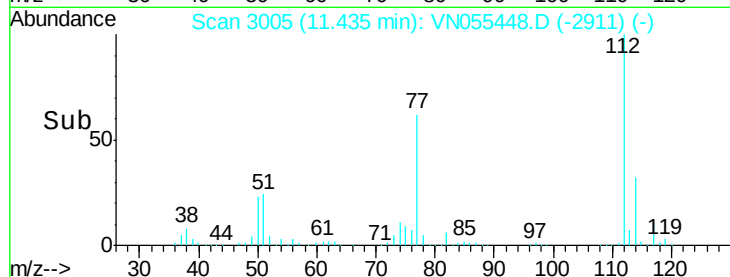
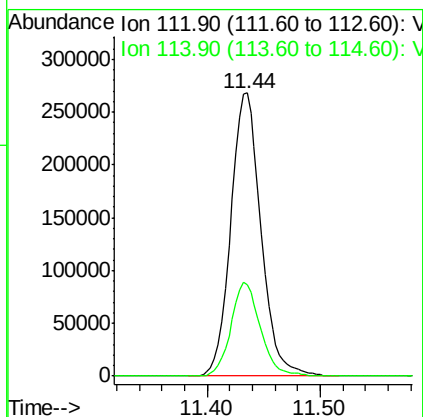
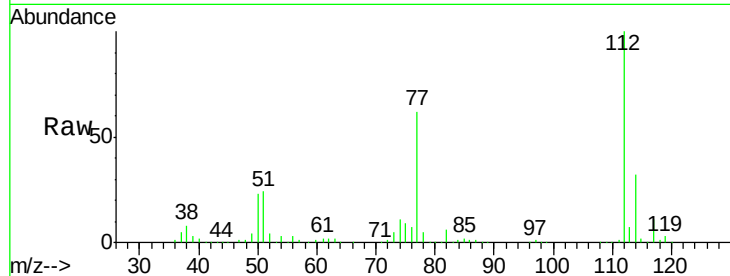
#65  
Chlorobenzene  
Concen: 50.975 ug/l  
RT: 11.44 min Scan# 3005  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

Tot Ion:112 Resp: 498009  
Ion Ratio Lower Upper  
112 100  
114 32.5 25.3 37.9

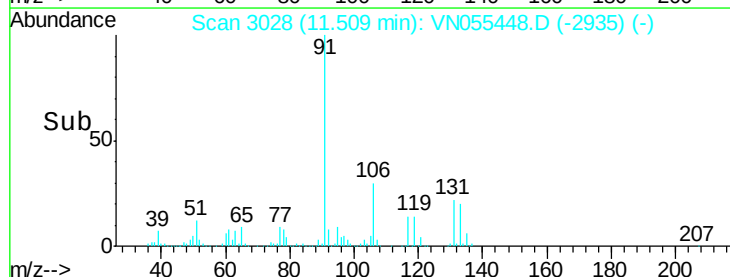
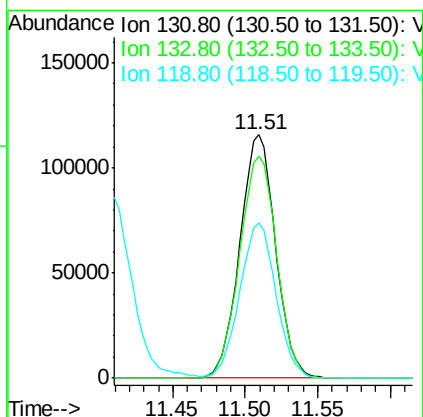
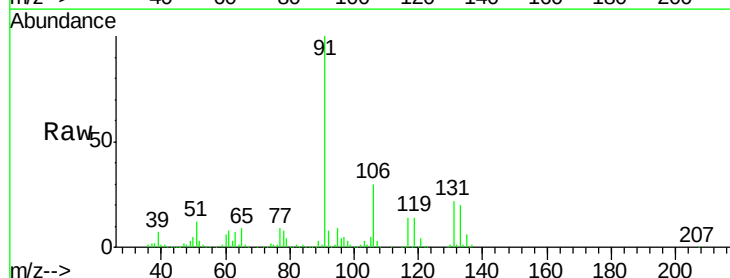
Manual Integrations  
APPROVED

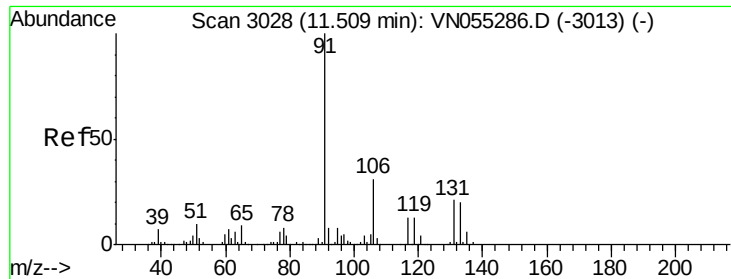
MMDadoda  
5/8/2019 10:19:32 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.808 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Tgt Ion:131 Resp: 198188  
Ion Ratio Lower Upper  
131 100  
133 94.7 47.5 142.6  
119 64.9 32.7 98.1





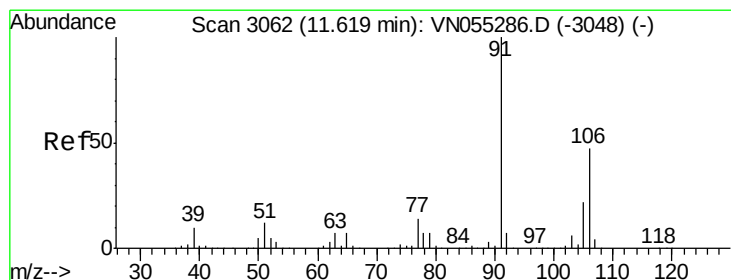
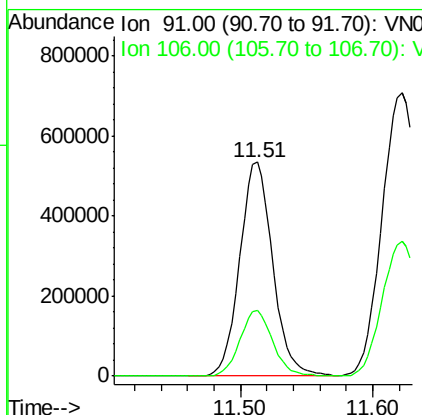
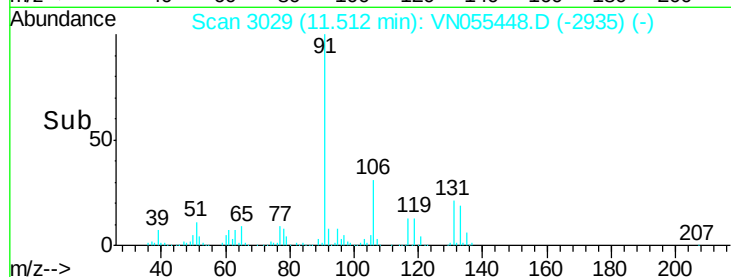
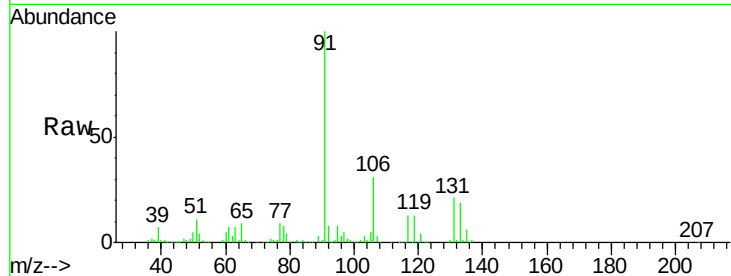
#67  
Ethyl Benzene  
Concen: 52.349 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

Tot Ion: 91 Resp: 923536  
Ion Ratio Lower Upper  
91 100  
106 30.7 24.6 36.8

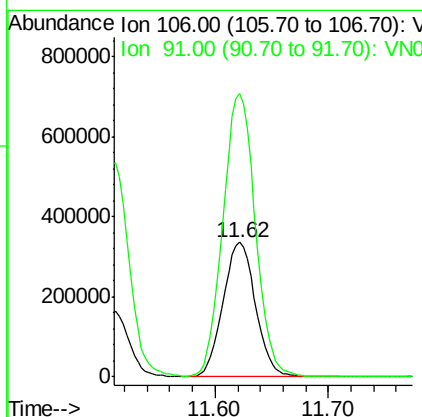
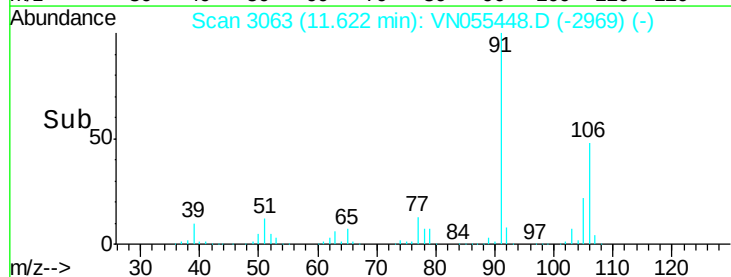
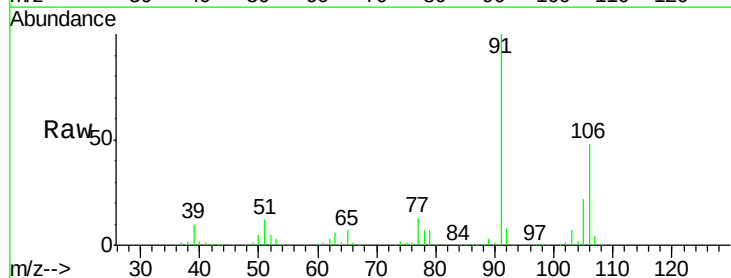
Manual Integrations  
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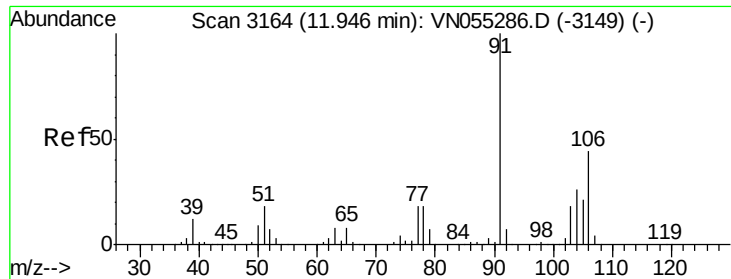
MMDadoda  
5/8/2019 10:19:32 AM



#68  
m/p-Xylenes  
Concen: 106.781 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Tgt Ion: 106 Resp: 672418  
Ion Ratio Lower Upper  
106 100  
91 210.6 169.5 254.3





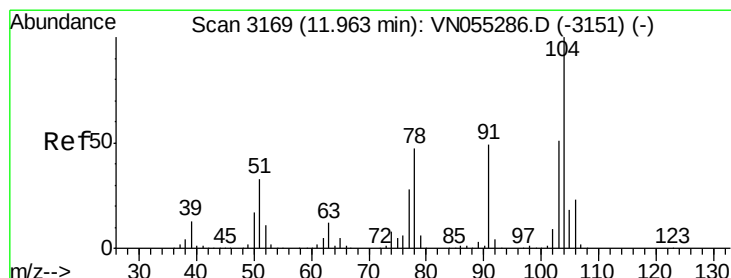
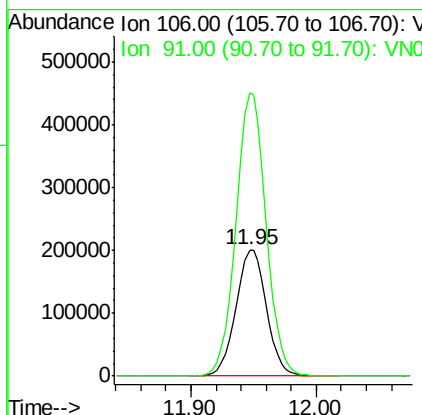
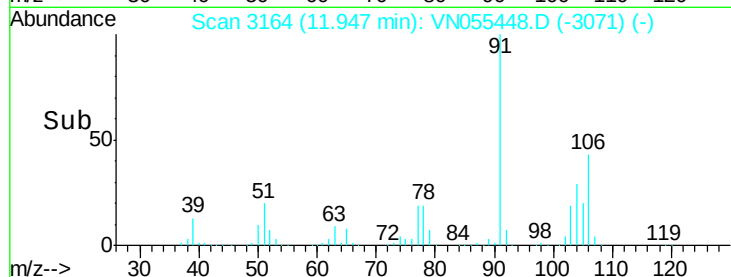
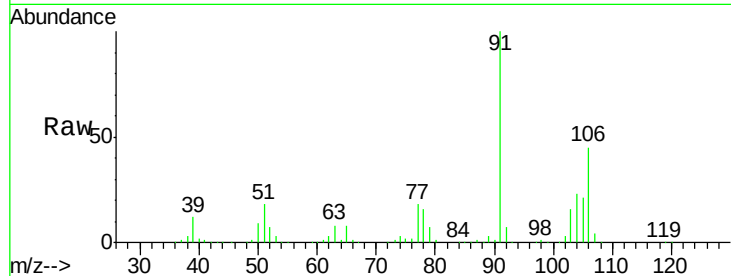
#69  
o-Xylene  
Concen: 54.411 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

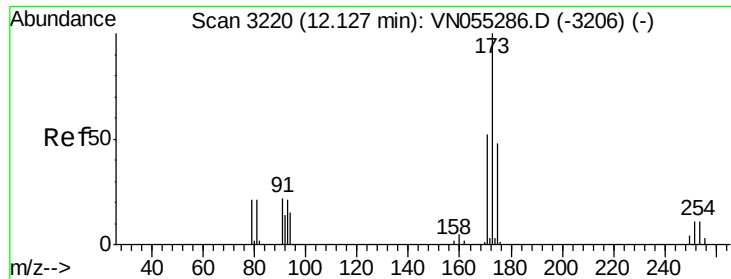
Tot Ion:106 Resp: 339610  
Ion Ratio Lower Upper  
106 100  
91 220.8 111.5 334.5

Manual Integrations  
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MMDadoda  
5/8/2019 10:19:32 AM







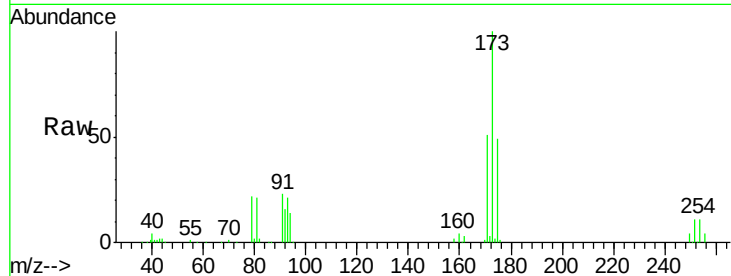
#71  
Bromoform  
Concen: 62.484 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

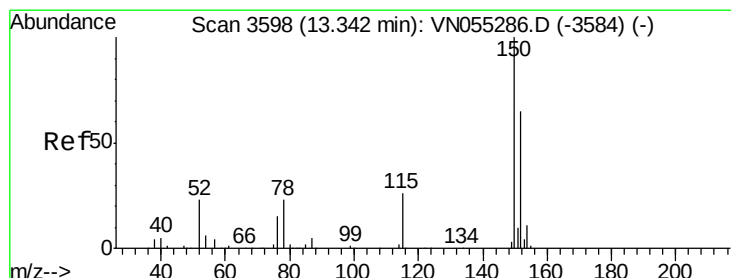
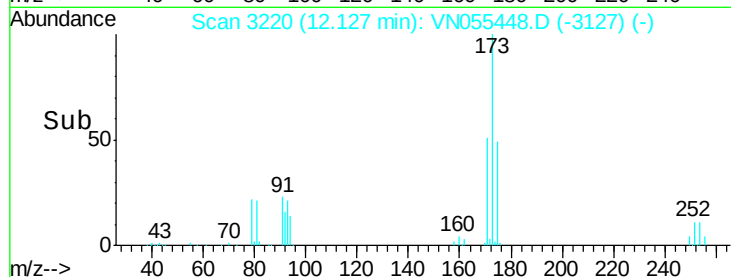
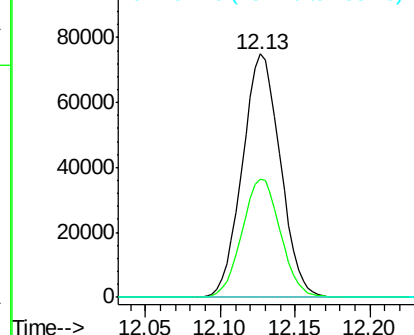
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.2  | 23.6  | 71.0  |
| 254     | 0.0   | 0.0   | 0.0   |

Manual Integrations  
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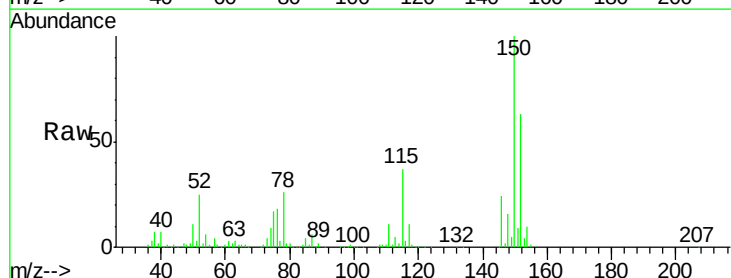


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

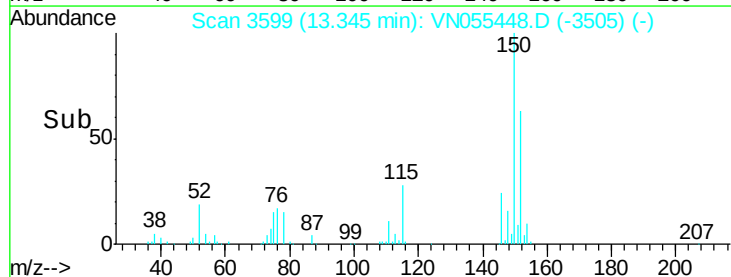
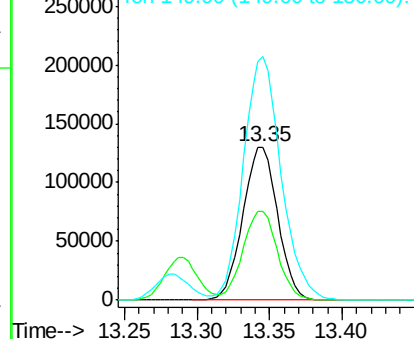


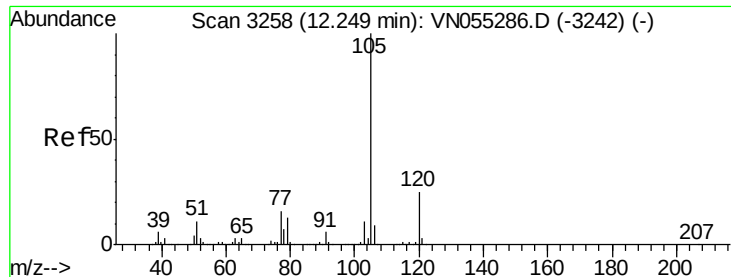
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.0  | 29.0  | 87.0  |
| 150     | 172.0 | 0.0   | 345.6 |



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: 52.874 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 912209

Ion Ratio Lower Upper

105 100

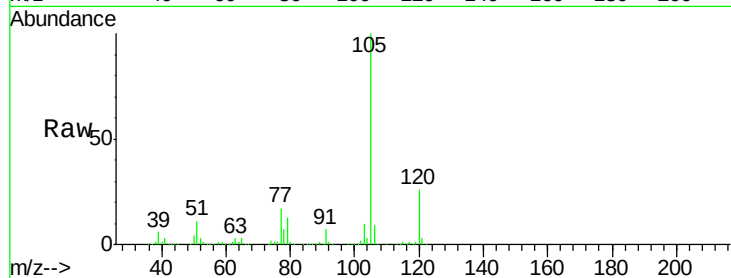
120 25.8 12.9 38.7

Manual Integrations

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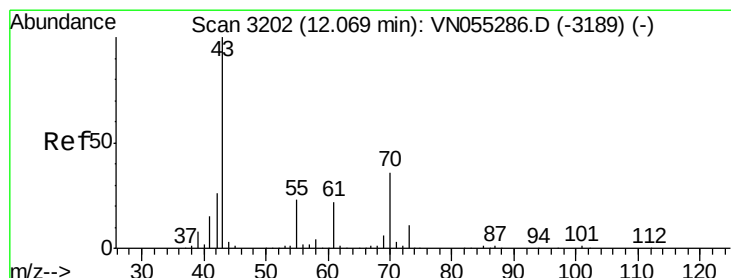
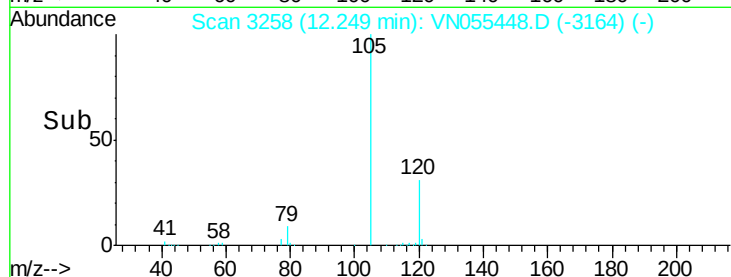
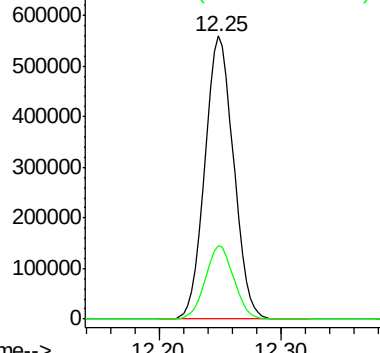
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 65.299 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

Tgt Ion: 43 Resp: 364613

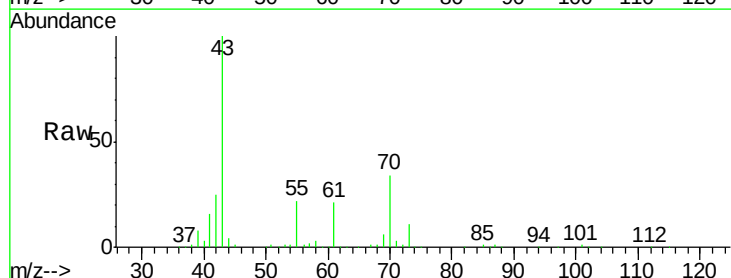
Ion Ratio Lower Upper

43 100

70 35.1 27.9 41.9

55 22.1 18.2 27.2

61 21.4 16.9 25.3

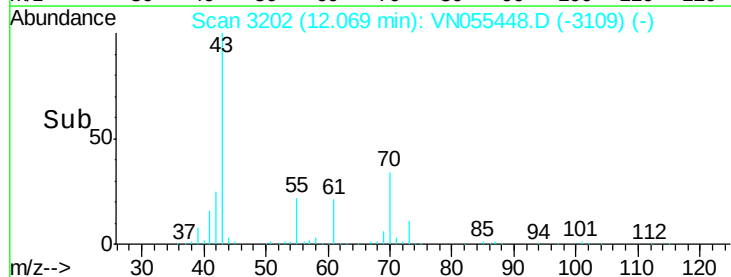
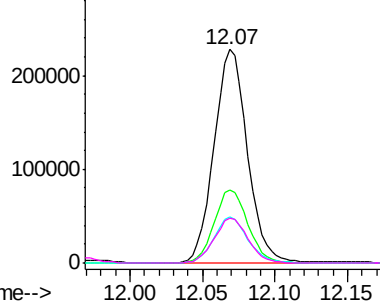


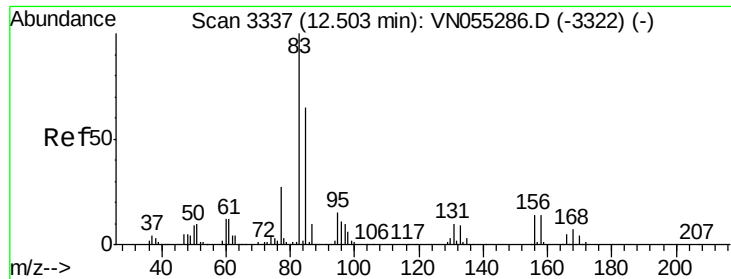
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 61.044 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

Instrument :

MSVOA\_N

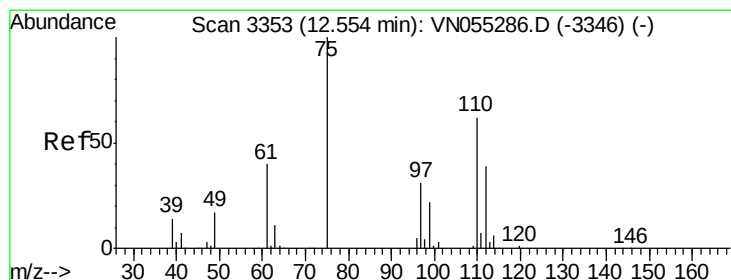
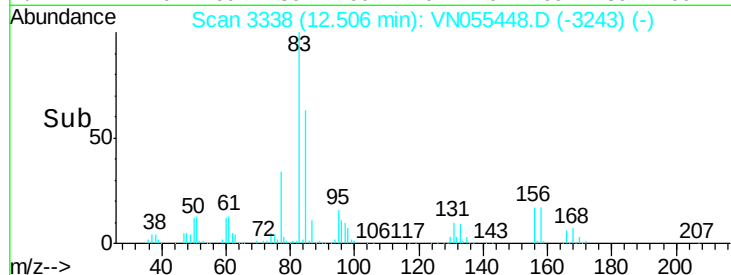
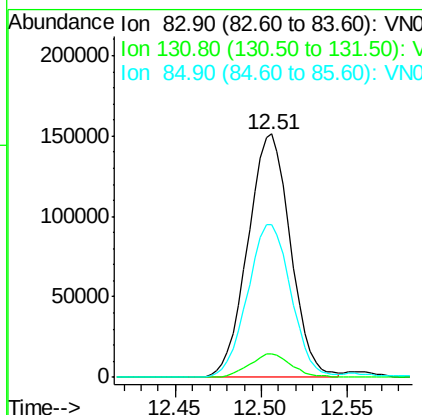
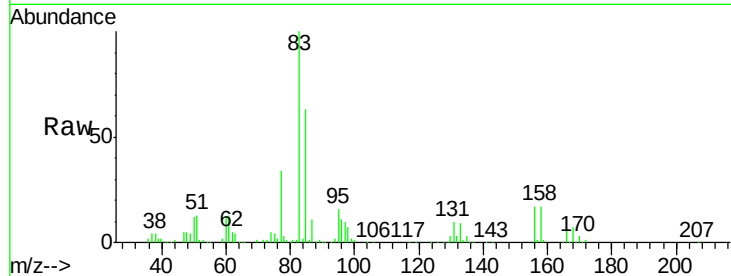
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 260126 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.7   | 5.1   | 15.2   |
| 85        | 64.0  | 32.3  | 96.8   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 55.285 ug/l m

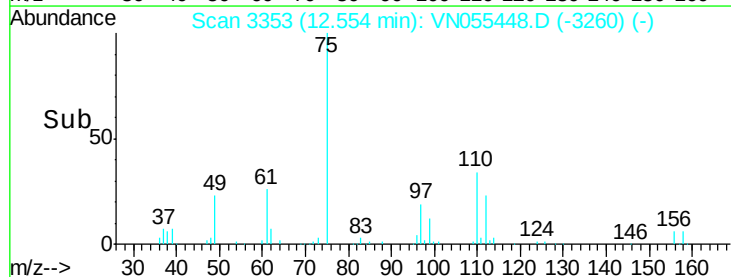
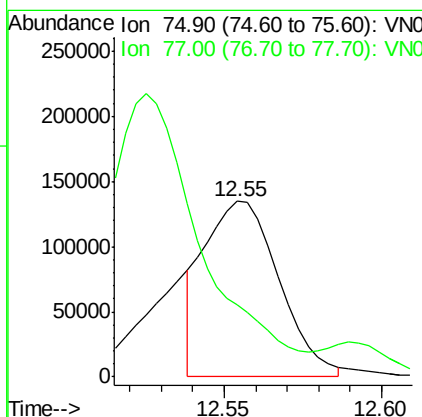
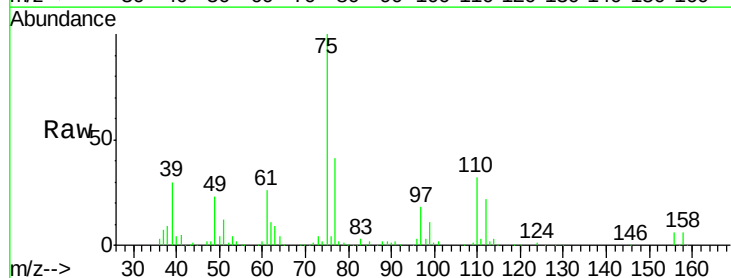
RT: 12.55 min Scan# 3353

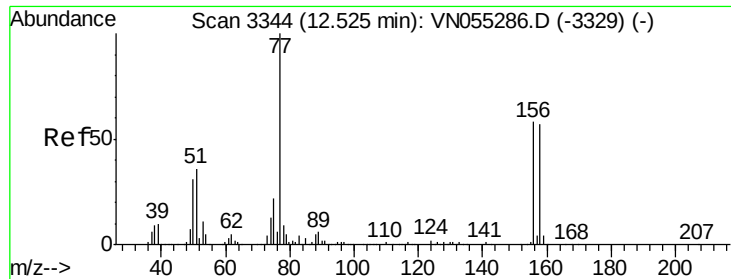
Delta R.T. 0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 222506 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 51.865 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

Instrument :

MSVOA\_N

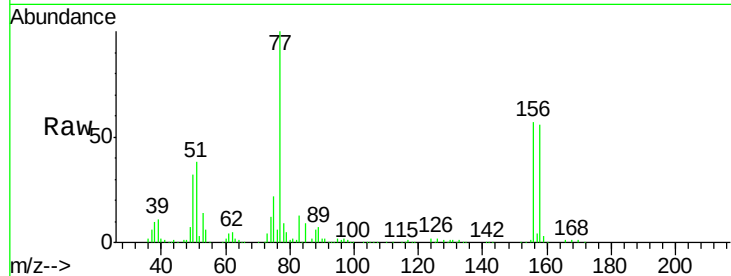
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 214922 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 211.9 | 99.6  | 298.8  |
| 158       | 98.2  | 49.3  | 147.8  |

Manual Integrations  
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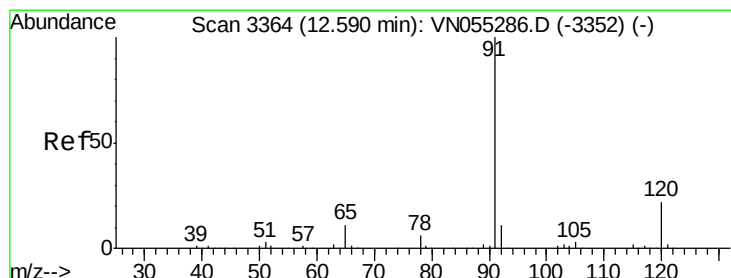
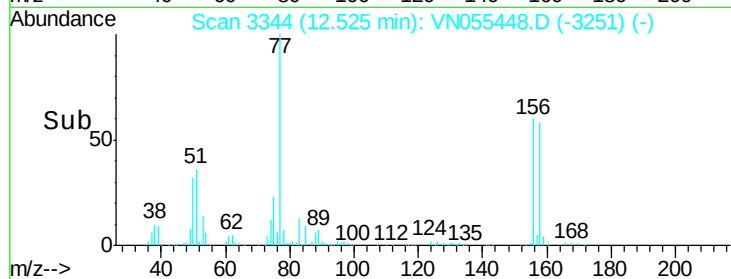
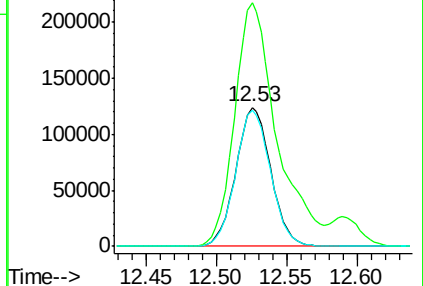
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.077 ug/l

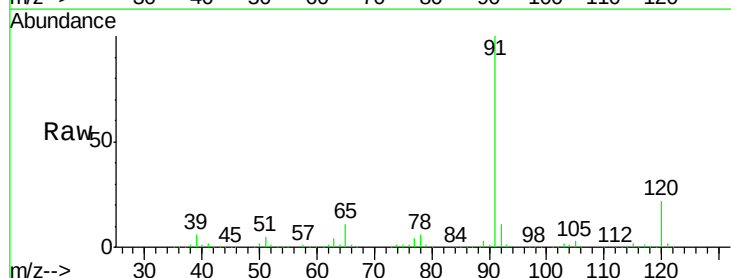
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN055448.D

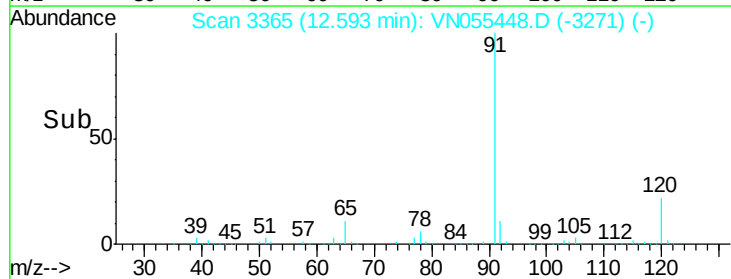
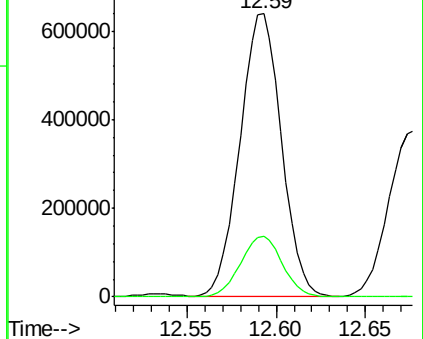
Acq: 7 May 2019 19:41

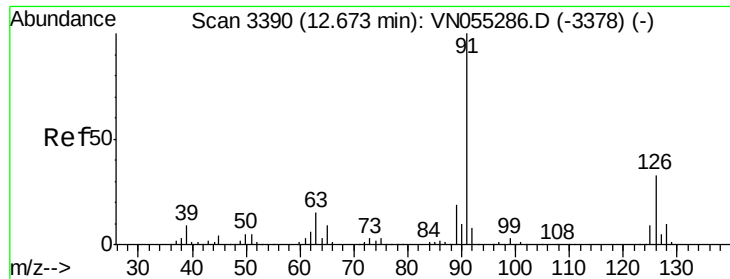
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1029786 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 21.8  | 11.0  | 33.0    |



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





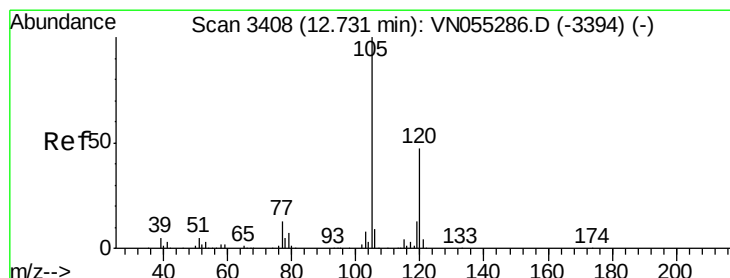
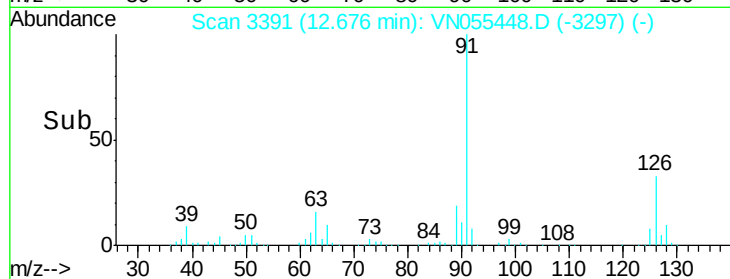
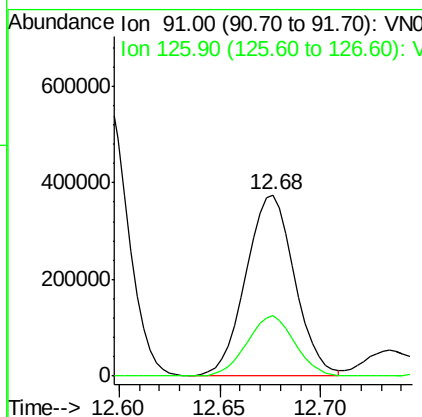
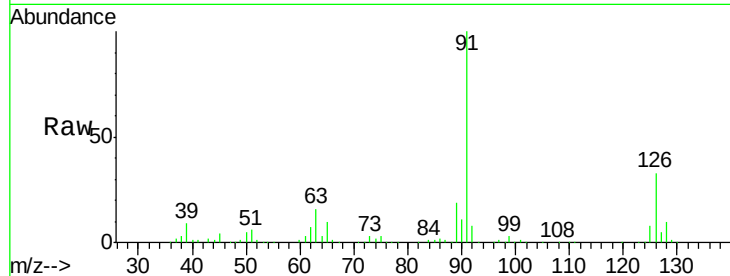
#79  
 2-Chlorotoluene  
 Concen: 53.499 ug/l  
 RT: 12.68 min Scan# 3391  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 91 Resp: 628638  
 Ion Ratio Lower Upper  
 91 100  
 126 33.1 16.6 49.7

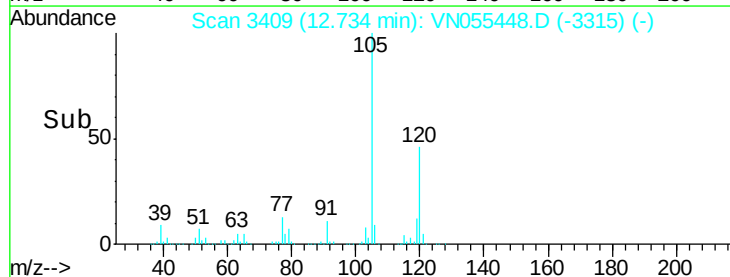
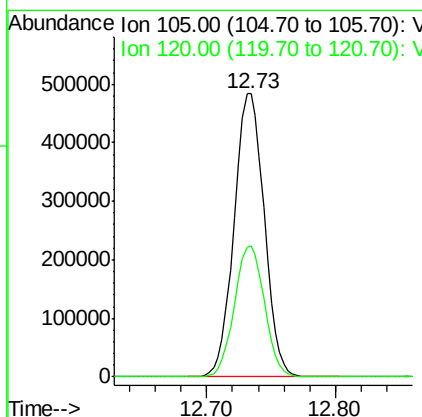
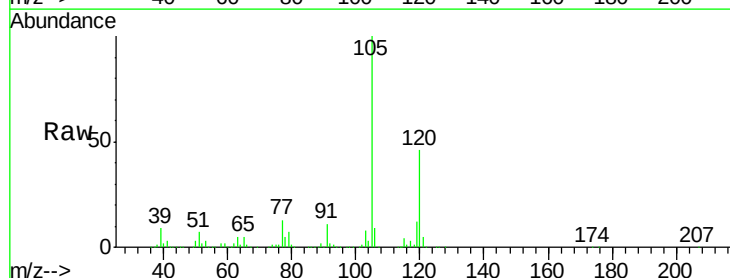
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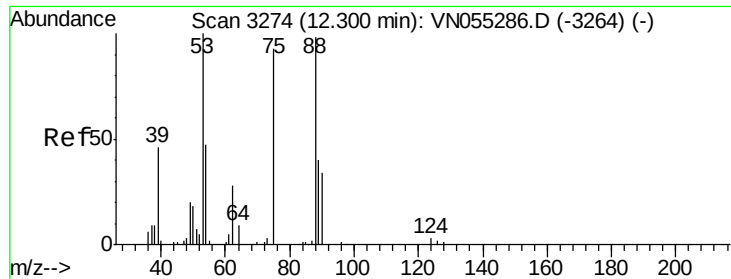
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 5/8/2019 10:19:32 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 45.879 ug/l  
 RT: 12.73 min Scan# 3409  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

Tgt Ion: 105 Resp: 782557  
 Ion Ratio Lower Upper  
 105 100  
 120 46.4 23.4 70.0





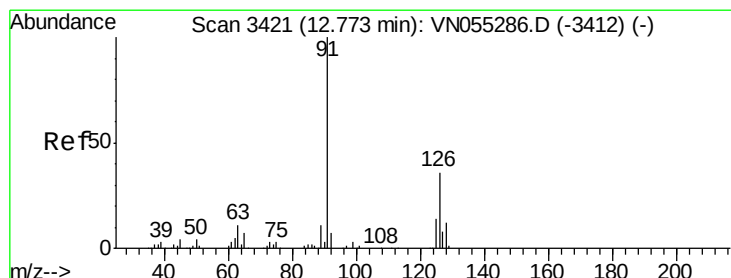
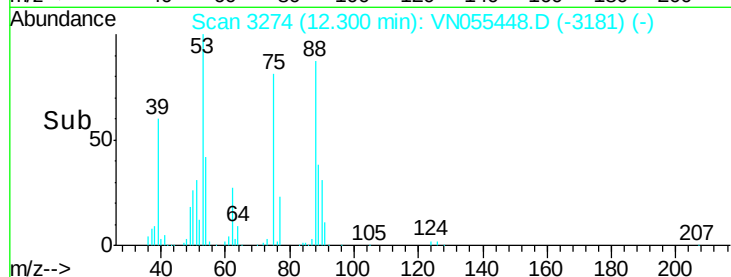
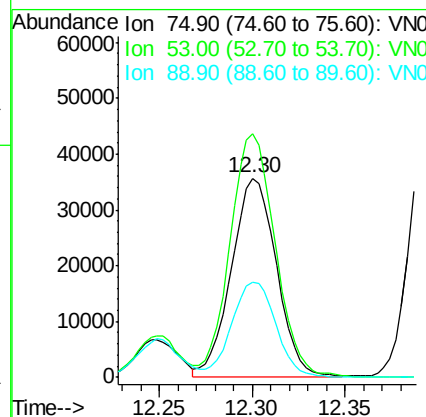
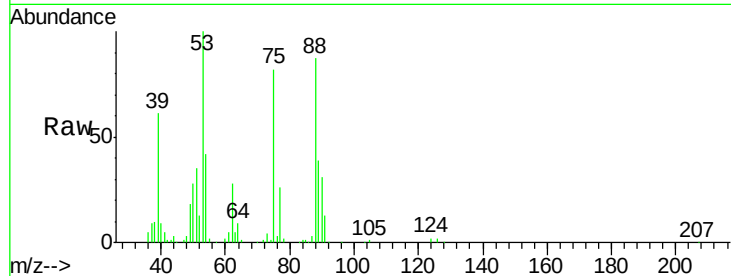
#81  
trans-1,4-Dichloro-2-butene  
Concen: 52.575 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 122.8 | 86.3  | 129.5 |
| 89      | 46.5  | 34.6  | 51.8  |

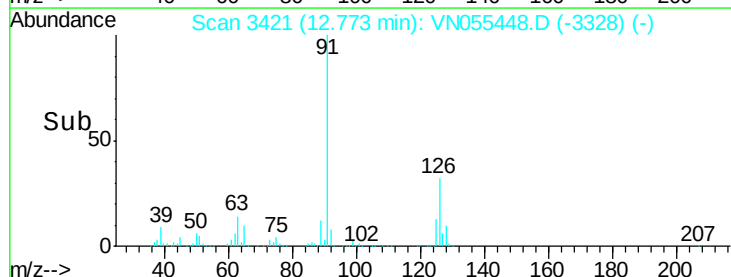
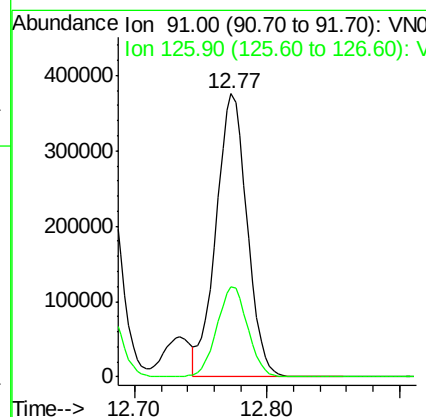
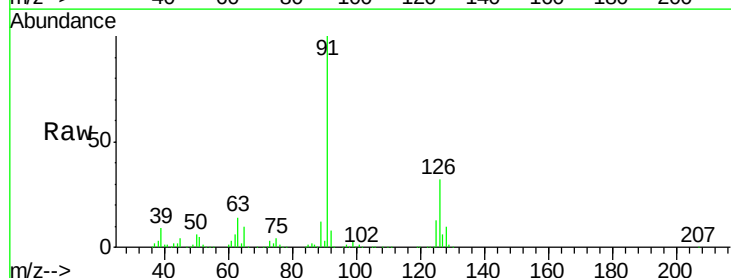
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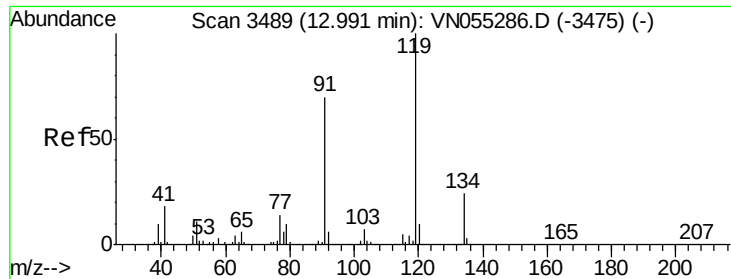
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#82  
4-Chlorotoluene  
Concen: 46.871 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN055448.D  
Acq: 7 May 2019 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.9  | 16.6  | 49.7  |





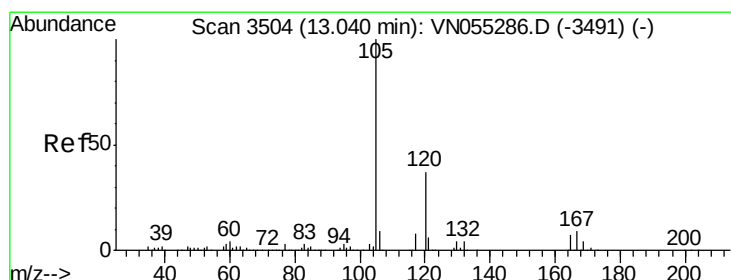
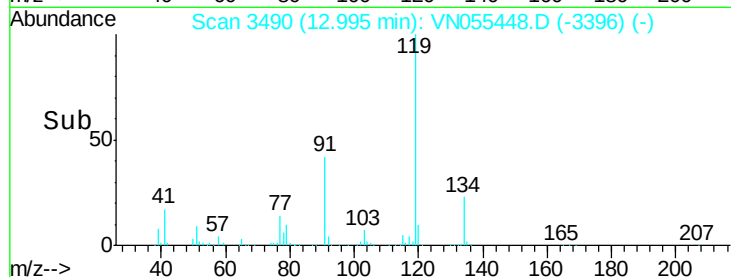
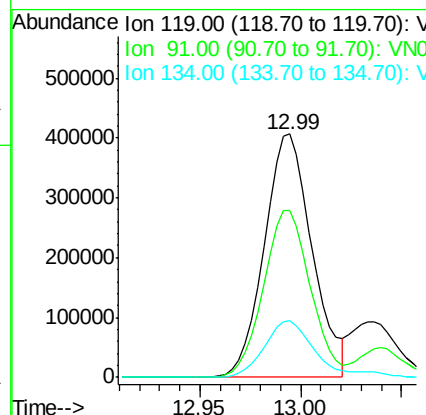
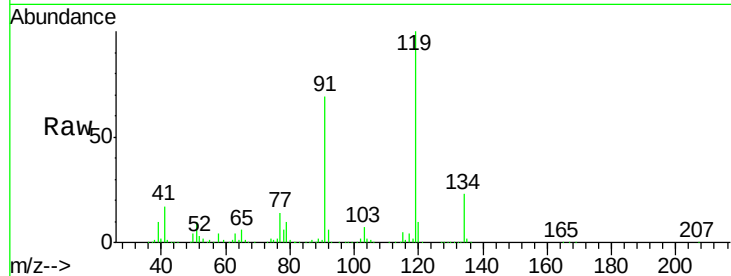
#83  
 tert-Butylbenzene  
 Concen: 55.849 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 67.4  | 34.3  | 102.9 |
| 134     | 25.1  | 13.1  | 39.3  |

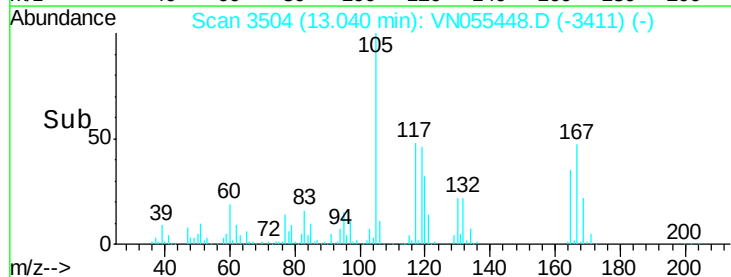
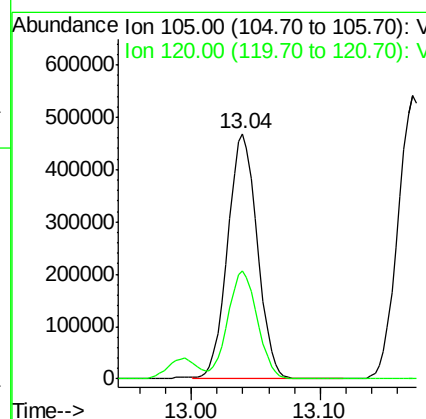
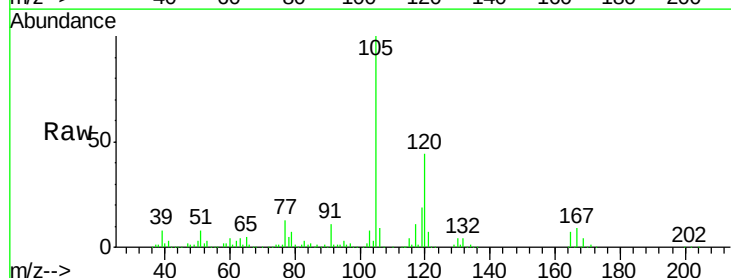
Manual Integrations  
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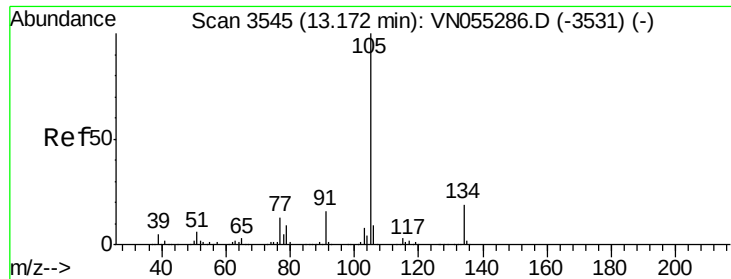
MMDadoda  
 5/8/2019 10:19:32 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 48.766 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.1  | 22.1  | 66.5  |





#85

sec-Butylbenzene

Concen: 47.242 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050EC

Tot Ion:105 Resp: 875842

Ion Ratio Lower Upper

105 100

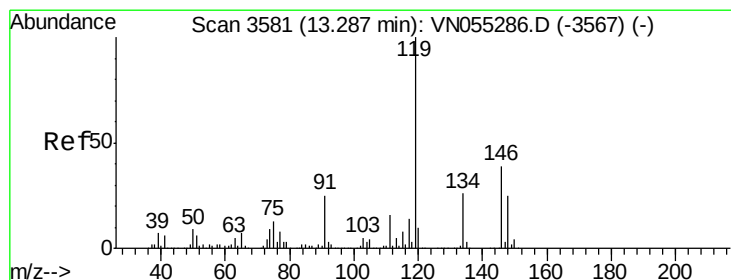
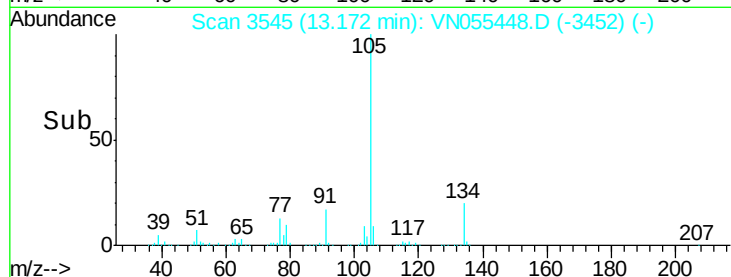
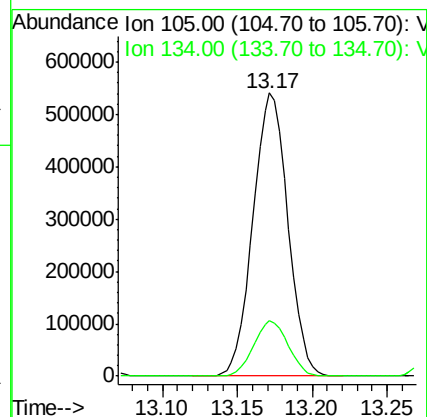
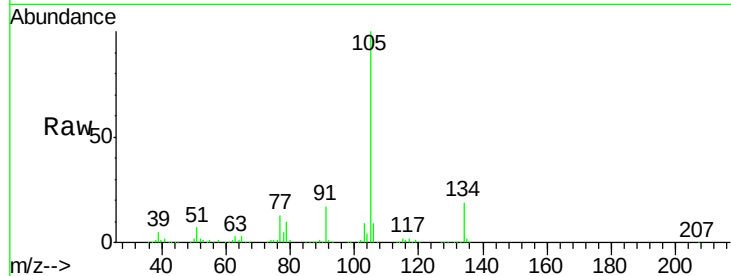
134 19.4 9.6 28.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.863 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

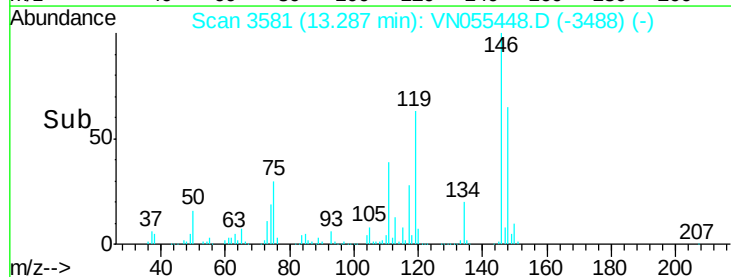
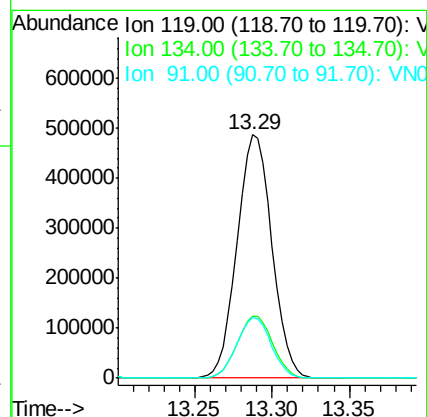
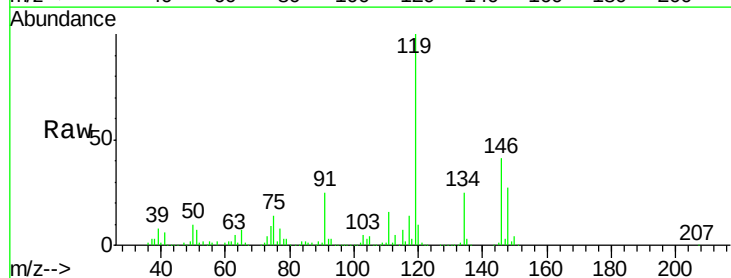
Tgt Ion:119 Resp: 759800

Ion Ratio Lower Upper

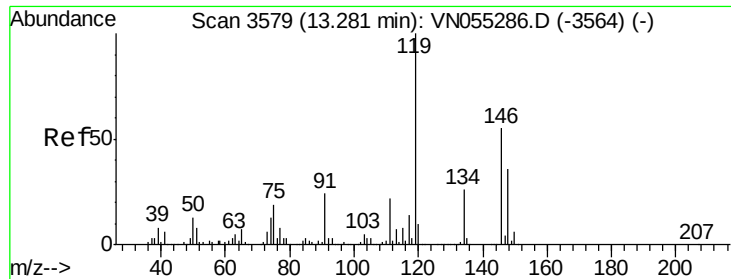
119 100

134 25.8 13.0 38.9

91 24.6 12.2 36.6







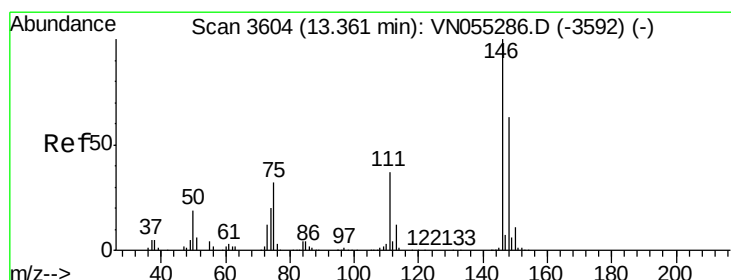
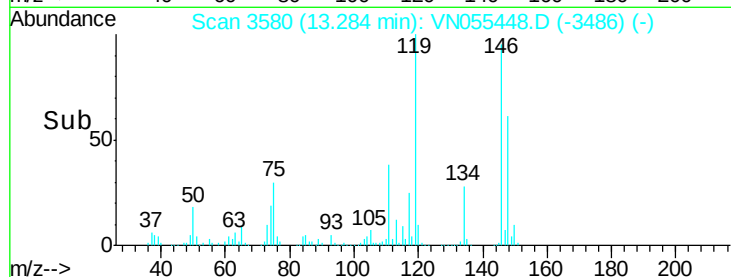
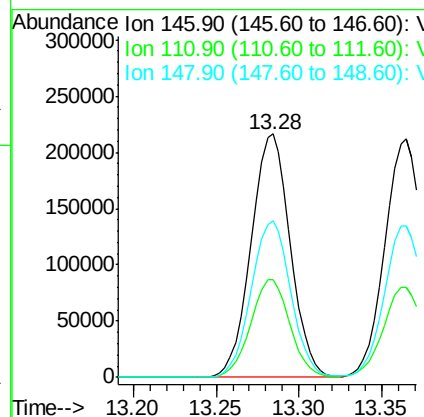
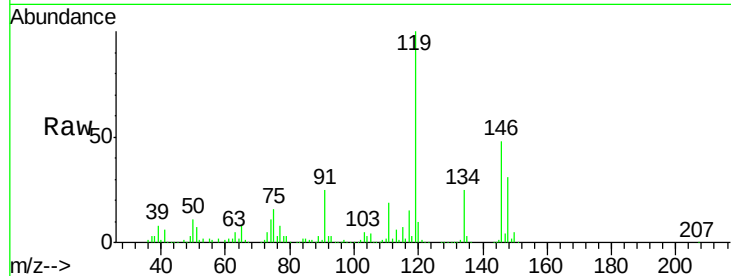
#87  
 1,3-Dichlorobenzene  
 Concen: 48.958 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 356439 |       |       |
| 111     | 40.2  | 20.3   | 60.8  |       |
| 148     | 64.8  | 32.5   | 97.5  |       |

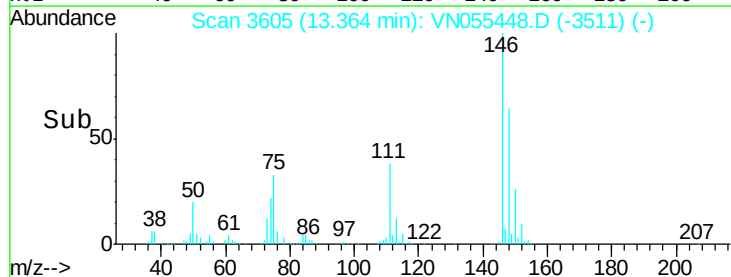
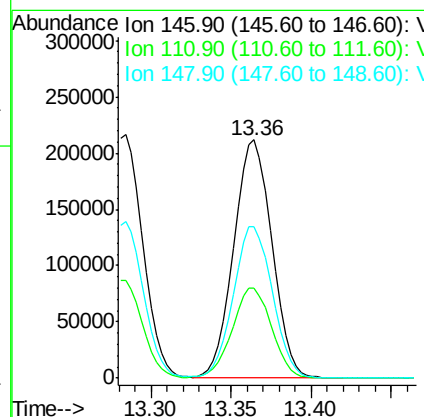
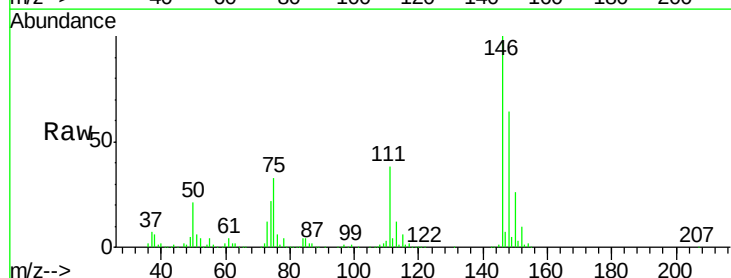
Manual Integrations  
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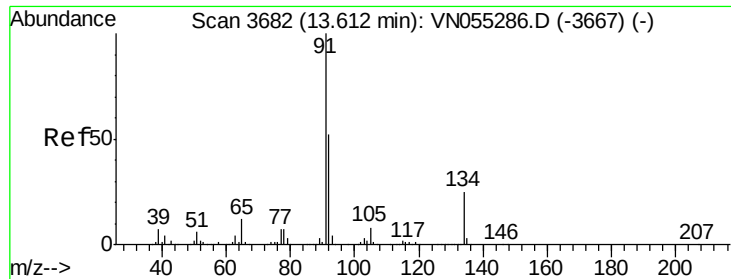
MMDadoda  
 5/8/2019 10:19:32 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 50.342 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 345160 |       |       |
| 111     | 39.0  | 19.5   | 58.5  |       |
| 148     | 65.2  | 32.5   | 97.4  |       |





#89

n-Butylbenzene

Concen: 55.170 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

Instrument :

MSVOA\_N

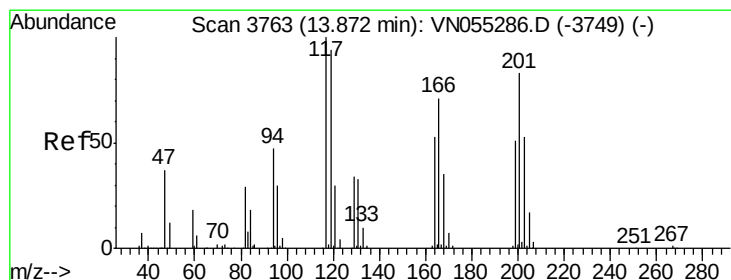
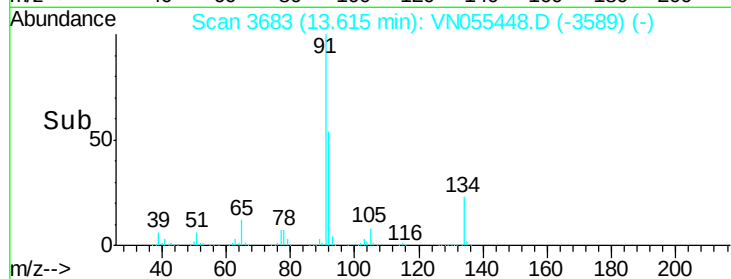
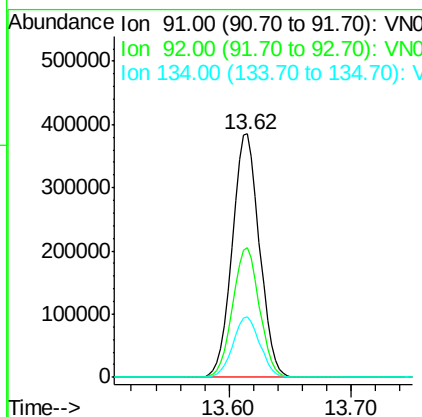
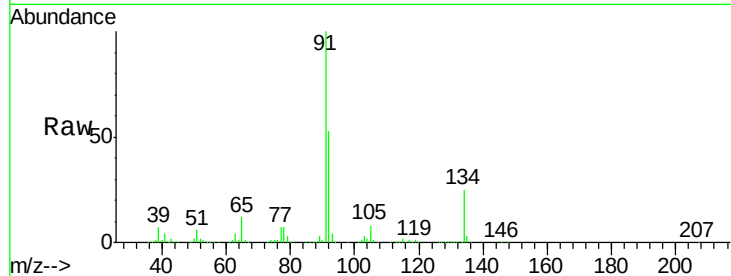
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 91    | Resp: | 597363 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 52.5  | 26.1  | 78.3   |
| 134      | 24.6  | 12.4  | 37.4   |

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#90

Hexachloroethane

Concen: 51.036 ug/l

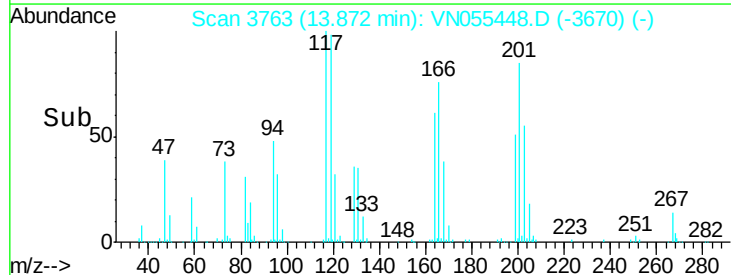
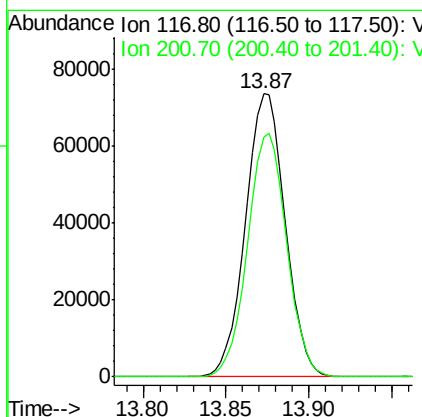
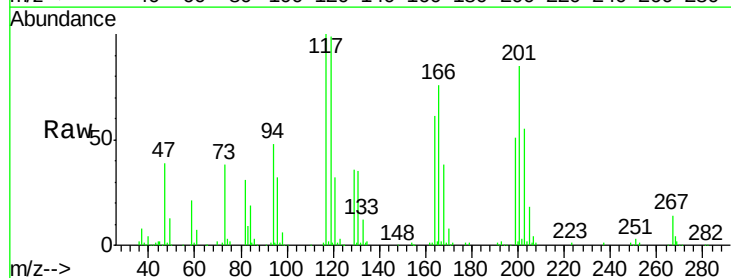
RT: 13.87 min Scan# 3763

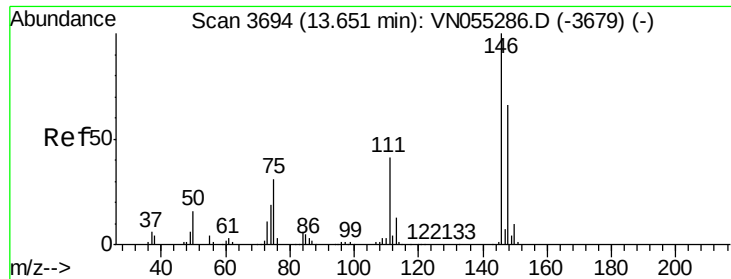
Delta R.T. 0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 123055 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 201      | 84.7  | 41.9  | 125.8  |





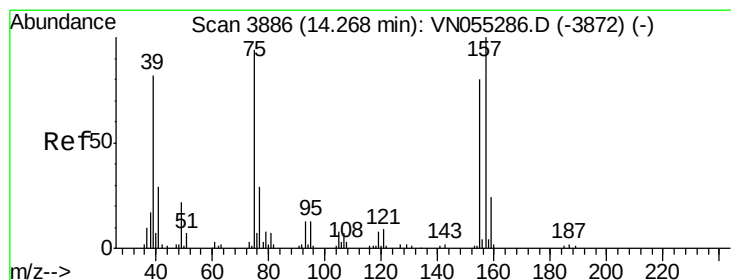
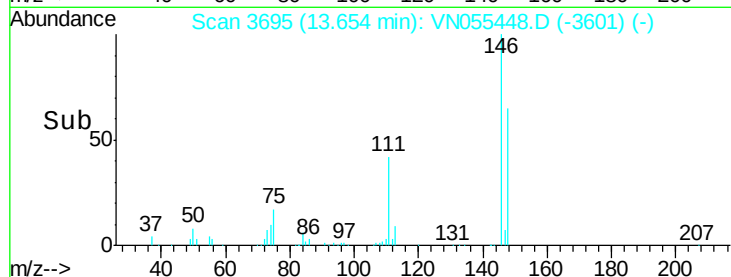
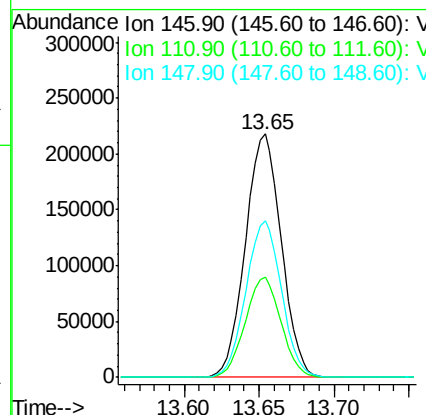
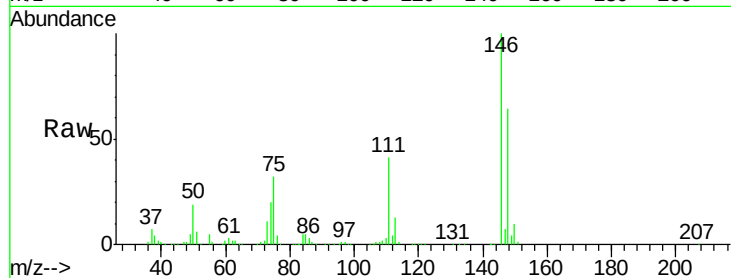
#91  
 1,2-Dichlorobenzene  
 Concen: 50.531 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.9  | 20.3  | 61.0  |
| 148     | 63.7  | 32.4  | 97.2  |

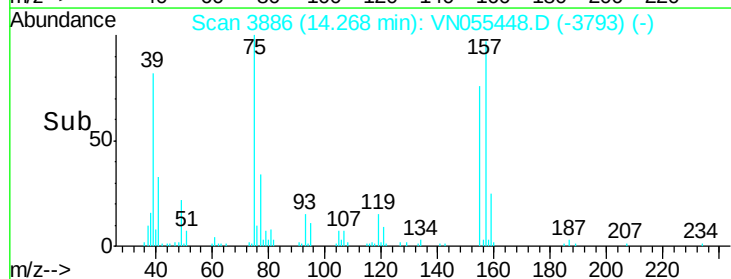
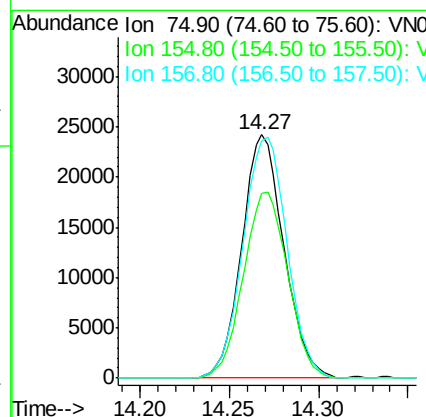
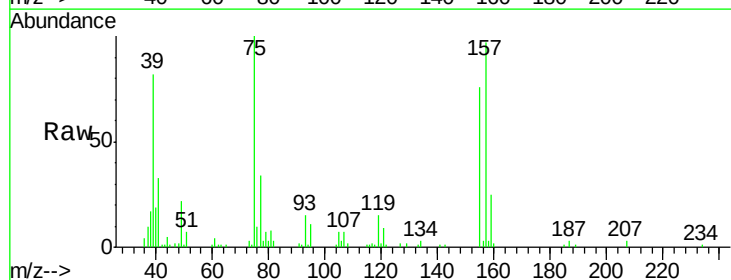
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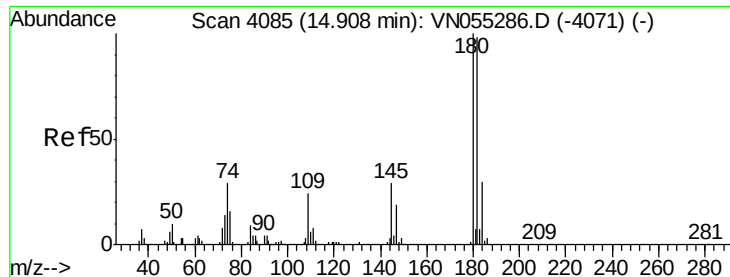
MMDadoda  
 5/8/2019 10:19:32 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 69.848 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 80.2  | 41.5  | 124.6 |
| 157     | 103.4 | 54.0  | 162.2 |





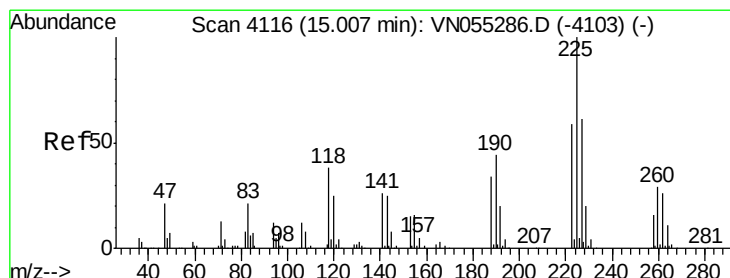
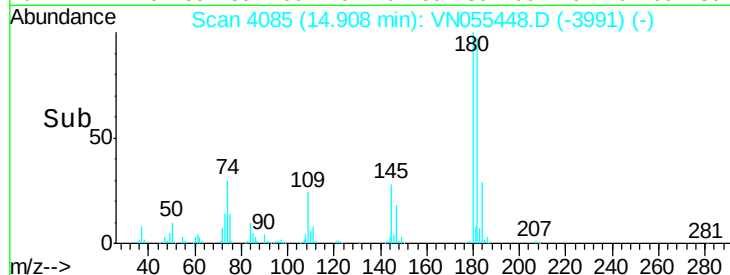
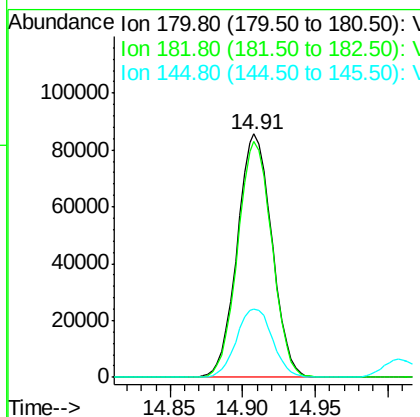
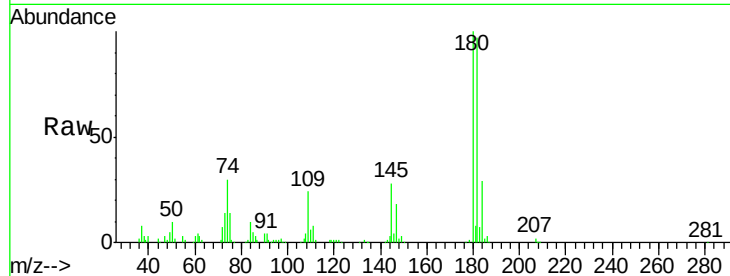
#93  
 1,2,4-Trichlorobenzene  
 Concen: 49.965 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 142132 |       |       |
| 182     | 95.6  | 48.3   | 144.9 |       |
| 145     | 29.3  | 14.2   | 42.6  |       |

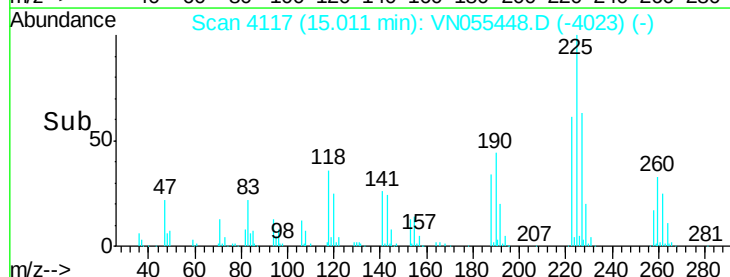
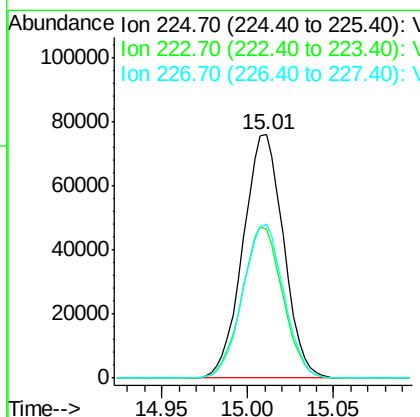
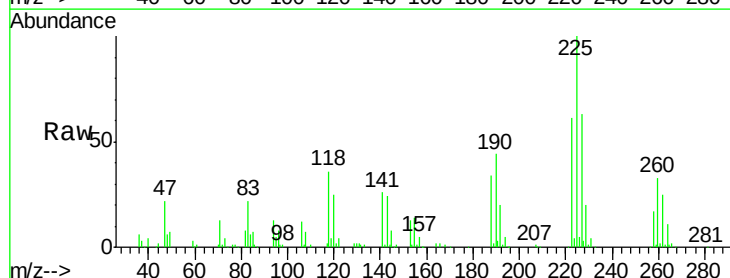
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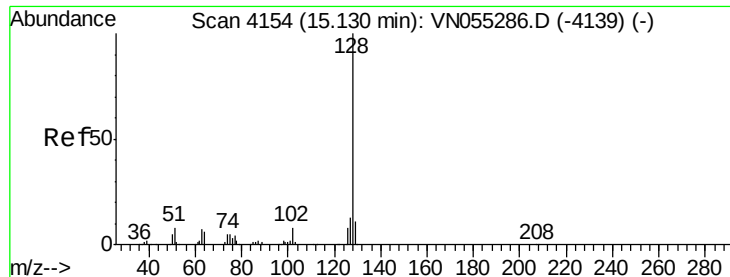
MMDadoda  
 5/8/2019 10:19:32 AM



#94  
 Hexachlorobutadiene  
 Concen: 57.665 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN055448.D  
 Acq: 7 May 2019 19:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 124279 |       |       |
| 223     | 62.5  | 30.3   | 90.8  |       |
| 227     | 64.0  | 30.9   | 92.7  |       |





#95

Naphthalene

Concen: 51.061 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

Instrument :

MSVOA\_N

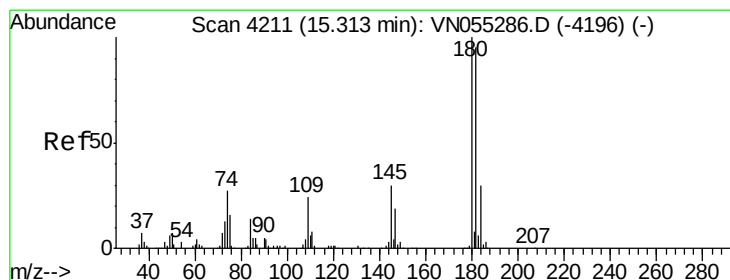
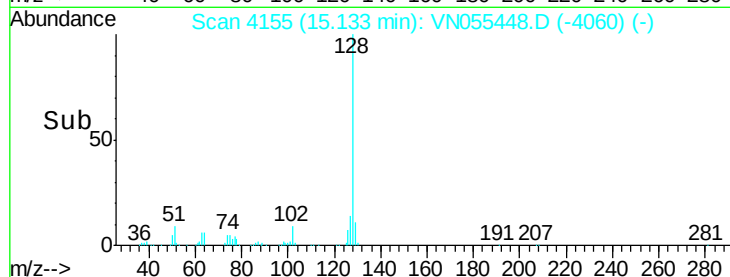
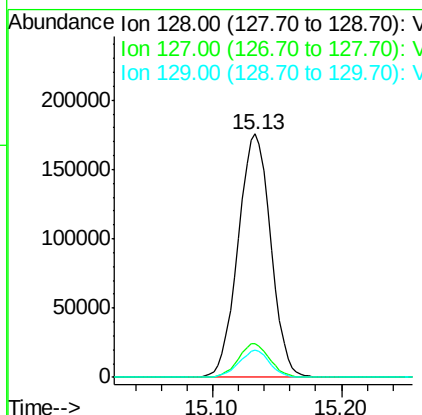
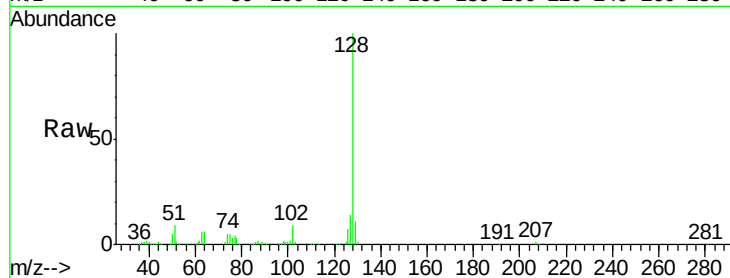
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 309255 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.4  | 10.7  | 16.1   |
| 129       | 10.6  | 8.6   | 13.0   |

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#96

1,2,3-Trichlorobenzene

Concen: 52.461 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055448.D

Acq: 7 May 2019 19:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 147353 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.9  | 48.3  | 144.9  |
| 145       | 31.6  | 15.2  | 45.6   |

