

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083119\  
 Data File : VN057590.D  
 Acq On : 30 Aug 2019 15:41  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 8/31/2019 11:28:38 AM

Quant Time: Aug 31 00:58:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N082919W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 30 11:59:03 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.65  | 168  | 463102   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 721446   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 714147   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 358547   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.02   | 65  | 360907   | 47.61 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.22%  |      |
| 35) Dibromofluoromethane  | 7.58   | 113 | 290068   | 44.98 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 89.96%  |      |
| 50) Toluene-d8            | 10.08  | 98  | 1162819  | 50.98 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.96% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 415217   | 54.23 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.46% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 242726  | 46.645  | ug/l   | 97     |
| 3) Chloromethane              | 2.06 | 50  | 224807  | 43.270  | ug/l   | 96     |
| 4) Vinyl Chloride             | 2.18 | 62  | 354327  | 46.228  | ug/l   | 100    |
| 5) Bromomethane               | 2.54 | 94  | 343002  | 51.968  | ug/l   | 99     |
| 6) Chloroethane               | 2.69 | 64  | 247439  | 48.150  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 805710  | 50.608  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.40 | 74  | 248711  | 47.018  | ug/l   | 68     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101 | 481087  | 51.597  | ug/l # | 84     |
| 10) Methyl Iodide             | 3.93 | 142 | 775888  | 50.836  | ug/l   | 94     |
| 11) Tert butyl alcohol        | 4.80 | 59  | 160627  | 214.888 | ug/l   | 98     |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 444627  | 50.673  | ug/l # | 71     |
| 13) Acrolein                  | 3.59 | 56  | 136162  | 212.738 | ug/l   | 100    |
| 14) Allyl chloride            | 4.30 | 41  | 296482  | 46.162  | ug/l # | 81     |
| 15) Acrylonitrile             | 4.97 | 53  | 433121  | 234.021 | ug/l   | 100    |
| 16) Acetone                   | 3.81 | 43  | 885503  | 289.009 | ug/l   | 94     |
| 17) Carbon Disulfide          | 4.02 | 76  | 475499  | 39.641  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.31 | 43  | 213137  | 50.629  | ug/l # | 91     |
| 19) Methyl tert-butyl Ether   | 5.03 | 73  | 747211  | 44.704  | ug/l   | 92     |
| 20) Methylene Chloride        | 4.53 | 84  | 235862  | 41.555  | ug/l # | 83     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 242722  | 44.221  | ug/l   | 86     |
| 22) Diisopropyl ether         | 5.94 | 45  | 715767  | 49.713  | ug/l # | 93     |
| 23) Vinyl Acetate             | 5.88 | 43  | 2902972 | 258.024 | ug/l # | 91     |
| 24) 1,1-Dichloroethane        | 5.83 | 63  | 448192  | 47.275  | ug/l   | 97     |
| 25) 2-Butanone                | 6.83 | 43  | 642733  | 265.764 | ug/l # | 84     |
| 26) 2,2-Dichloropropane       | 6.81 | 77  | 440973  | 45.557  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 6.81 | 96  | 308291  | 46.377  | ug/l   | 84     |
| 28) Bromochloromethane        | 7.18 | 49  | 212479  | 53.317  | ug/l # | 55     |
| 29) Tetrahydrofuran           | 7.20 | 42  | 378759  | 250.431 | ug/l # | 79     |
| 30) Chloroform                | 7.36 | 83  | 533606  | 45.355  | ug/l   | 98     |
| 31) Cyclohexane               | 7.64 | 56  | 411552  | 46.743  | ug/l # | 85     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 500934  | 47.898  | ug/l   | 95     |
| 36) 1,1-Dichloropropene       | 7.78 | 75  | 384845  | 49.312  | ug/l   | 95     |
| 37) Ethyl Acetate             | 6.92 | 43  | 250537  | 48.452  | ug/l # | 93     |
| 38) Carbon Tetrachloride      | 7.76 | 117 | 419049  | 45.917  | ug/l   | 99     |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 8/31/2019 11:28:38 AM

Quant Time: Aug 31 00:58:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N082919W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 30 11:59:03 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 497587   | 50.111  | ug/l   | 88       |
| 40) Benzene                    | 8.03  | 78   | 1148950  | 48.073  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.16  | 41   | 113516   | 48.033  | ug/l # | 85       |
| 42) 1,2-Dichloroethane         | 8.11  | 62   | 431017   | 50.667  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.16  | 43   | 476705   | 49.392  | ug/l # | 92       |
| 44) Trichloroethene            | 8.82  | 130  | 327281   | 49.589  | ug/l   | 84       |
| 45) 1,2-Dichloropropane        | 9.11  | 63   | 280494   | 50.224  | ug/l   | 99       |
| 46) Dibromomethane             | 9.20  | 93   | 214664   | 49.016  | ug/l # | 88       |
| 47) Bromodichloromethane       | 9.40  | 83   | 437727   | 48.481  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.19  | 41   | 221037   | 48.491  | ug/l # | 79       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 83030    | 998.126 | ug/l # | 79       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 1367412  | 265.089 | ug/l   | 91       |
| 52) Toluene                    | 10.15 | 92   | 790104   | 51.027  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 442264   | 50.687  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 469278   | 49.656  | ug/l   | 90       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 296869   | 49.850  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 413253   | 52.135  | ug/l # | 81       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 482670   | 50.736  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 544702   | 292.897 | ug/l # | 84       |
| 59) 2-Hexanone                 | 10.75 | 43   | 982074   | 275.758 | ug/l   | 88       |
| 60) Dibromochloromethane       | 10.90 | 129  | 362192   | 53.319  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 328355   | 52.690  | ug/l   | 96       |
| 64) Tetrachloroethene          | 10.63 | 164  | 328144   | 44.738  | ug/l   | 93       |
| 65) Chlorobenzene              | 11.43 | 112  | 897360   | 50.061  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 337173   | 47.695  | ug/l   | 97       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1637692  | 52.026  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.62 | 106  | 1270443  | 105.967 | ug/l   | 90       |
| 69) o-Xylene                   | 11.95 | 106  | 609932   | 50.660  | ug/l   | 93       |
| 70) Styrene                    | 11.96 | 104  | 1010200  | 55.588  | ug/l   | 94       |
| 71) Bromoform                  | 12.13 | 173  | 224541   | 47.582  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1676762  | 50.587  | ug/l   | 97       |
| 74) N-amyl acetate             | 12.07 | 43   | 403409   | 52.830  | ug/l # | 84       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 384045   | 52.216  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 331377m  | 50.262  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 385755   | 43.612  | ug/l   | 72       |
| 78) n-propylbenzene            | 12.59 | 91   | 1799117  | 47.466  | ug/l   | 95       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 1058878  | 44.849  | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1416087  | 47.164  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 106550   | 44.684  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 1064076  | 48.577  | ug/l   | 91       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 1235798  | 54.425  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 1396222  | 50.844  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1609537  | 48.771  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 1437896  | 50.691  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 650058   | 50.605  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene        | 13.37 | 146  | 625509   | 50.778  | ug/l   | 96       |
| 89) n-Butylbenzene             | 13.62 | 91   | 1139312  | 53.021  | ug/l   | 97       |
| 90) Hexachloroethane           | 13.88 | 117  | 239278   | 40.086  | ug/l   | 85       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 621722   | 51.857  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 61235    | 45.530  | ug/l   | 72       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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Manual Integrations  
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Quant Title : SW846 8260  
QLast Update : Fri Aug 30 11:59:03 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 225497   | 45.703 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 185760   | 47.013 | ug/l  | 100      |
| 95) Naphthalene            | 15.13 | 128  | 644929   | 54.364 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 218159   | 53.841 | ug/l  | 98       |

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

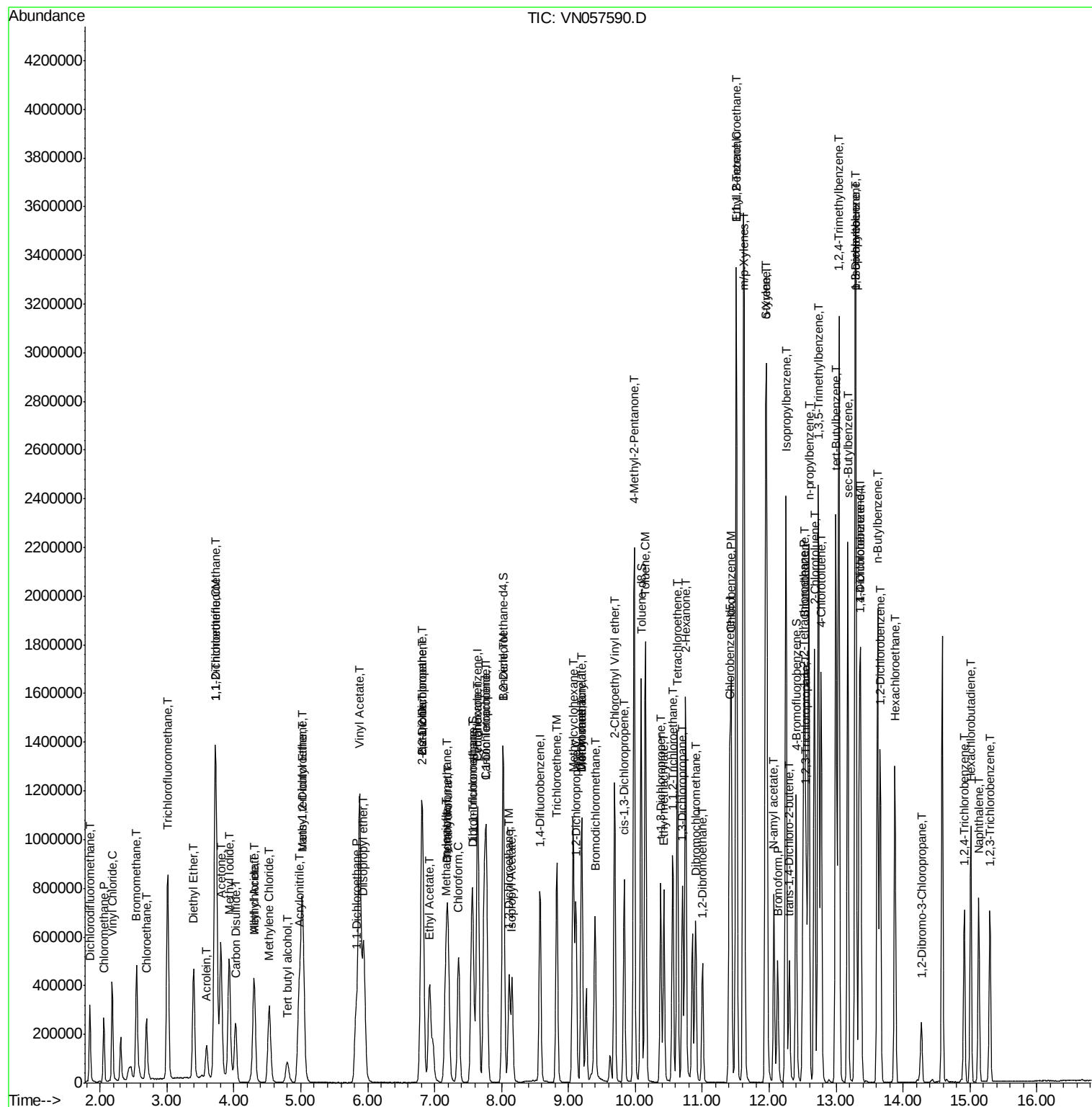
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Acq On : 30 Aug 2019 15:41  
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Sample : VSTDCCC050  
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ALS Vial : 2 Sample Multiplier: 1

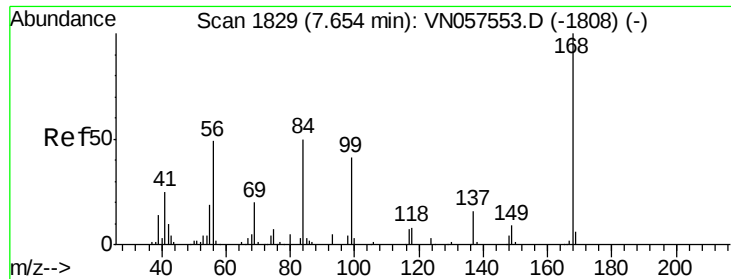
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
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8/31/2019 11:28:38 AM

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Quant Title : SW846 8260  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 463102

Ion Ratio Lower Upper

168 100

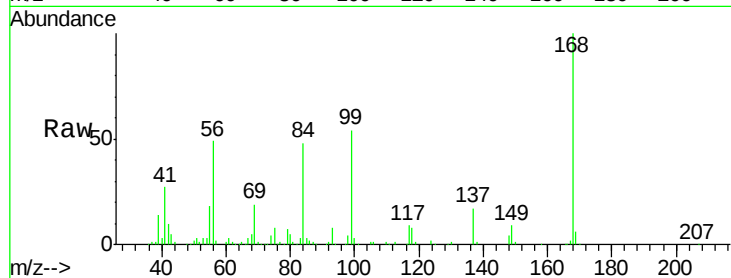
99 54.1 50.6 76.0

Manual Integrations

APPROVED

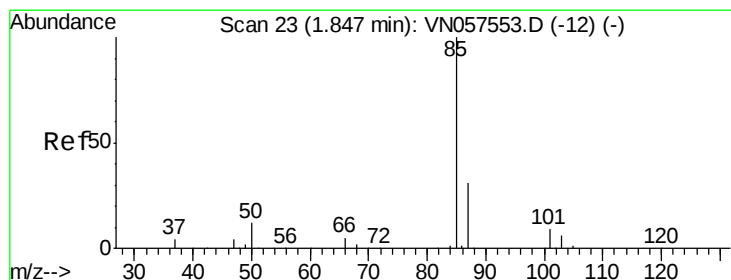
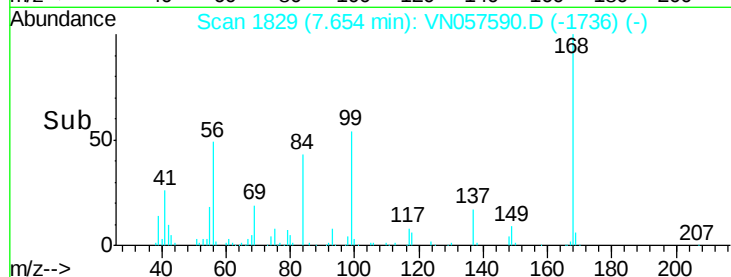
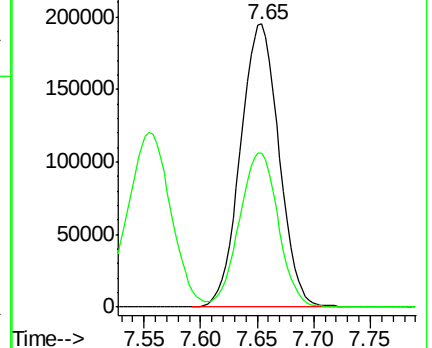
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.645 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN057590.D

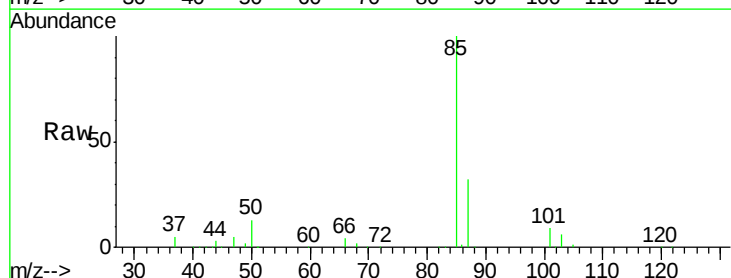
Acq: 30 Aug 2019 15:41

Tgt Ion: 85 Resp: 242726

Ion Ratio Lower Upper

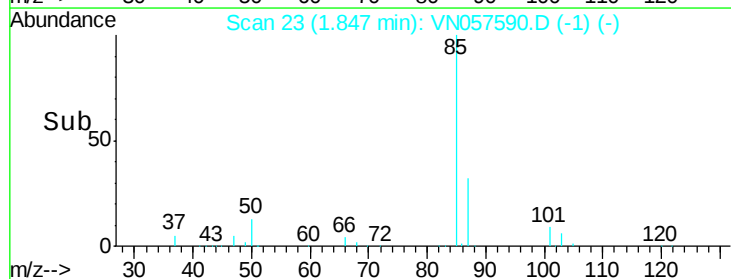
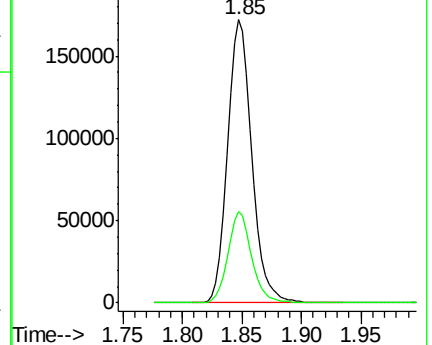
85 100

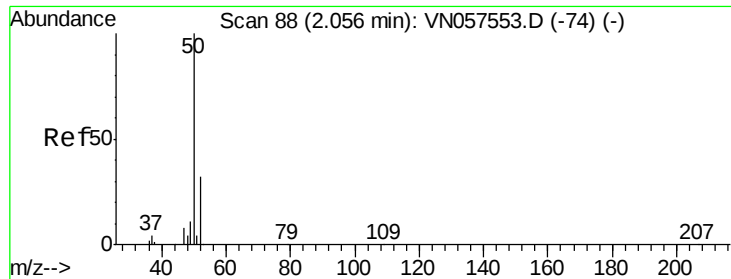
87 32.1 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.270 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 224807

Ion Ratio Lower Upper

50 100

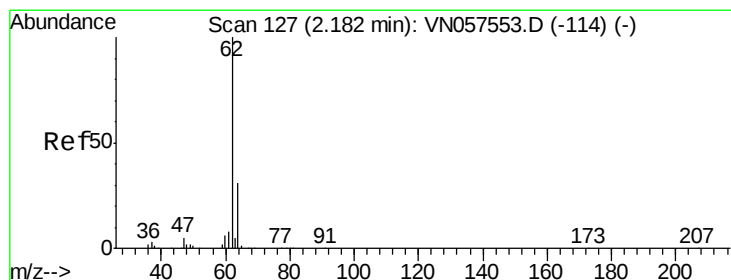
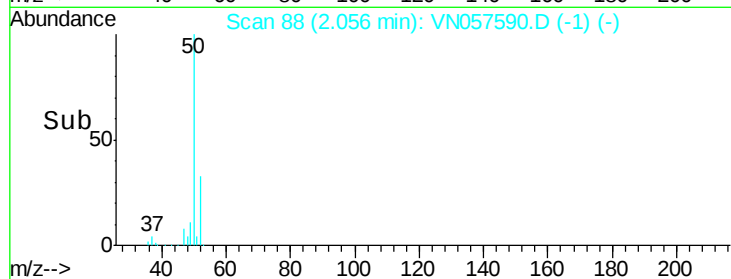
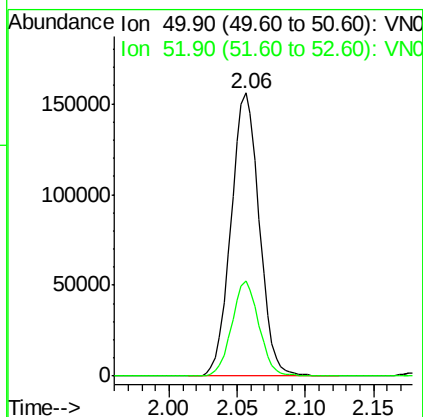
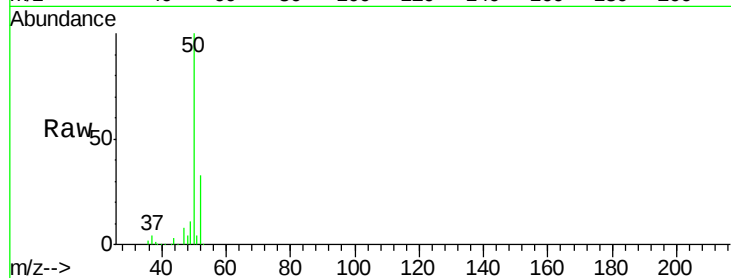
52 33.5 25.1 37.7

Manual Integrations

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8/31/2019 11:28:38 AM



#4

Vinyl Chloride

Concen: 46.228 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057590.D

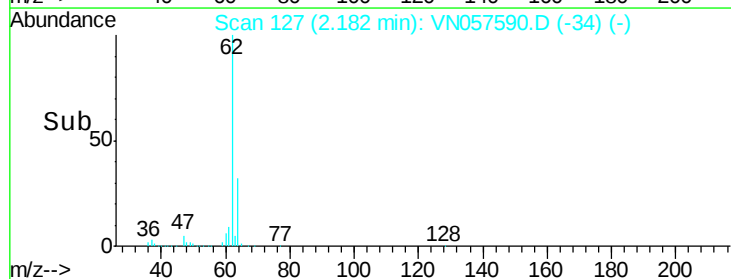
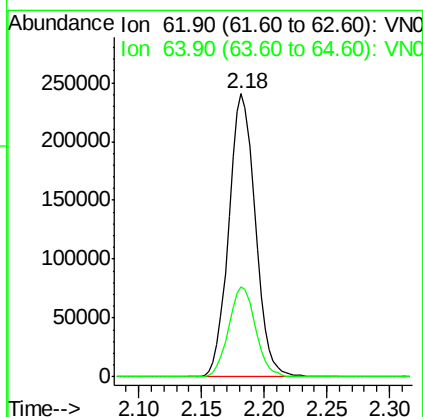
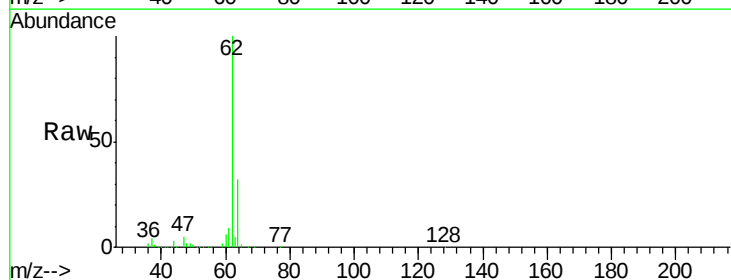
Acq: 30 Aug 2019 15:41

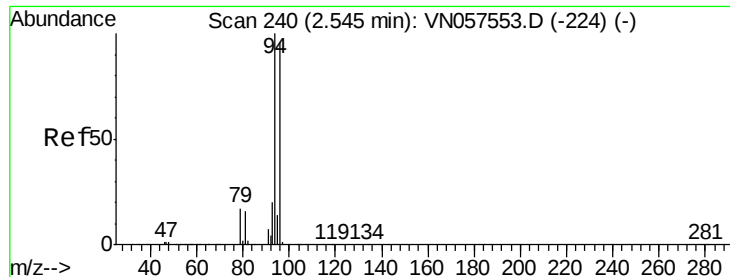
Tgt Ion: 62 Resp: 354327

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.8





#5

Bromomethane

Concen: 51.968 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 343002

Ion Ratio Lower Upper

94 100

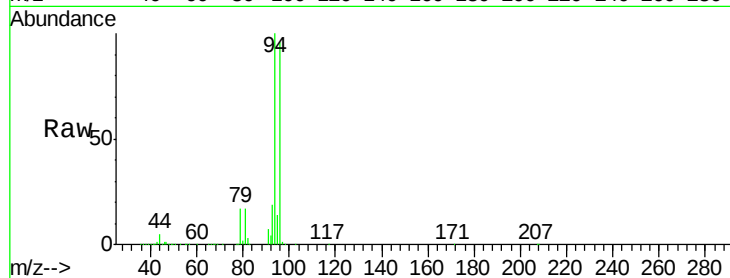
96 96.5 76.2 114.4

Manual Integrations

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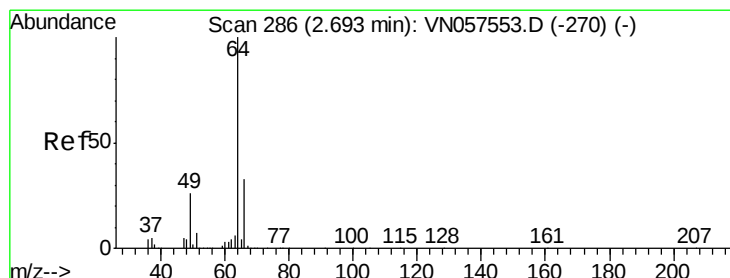
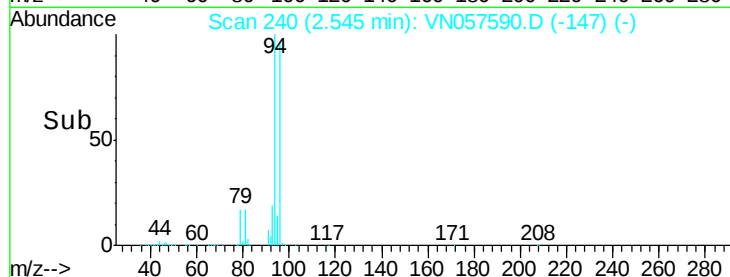
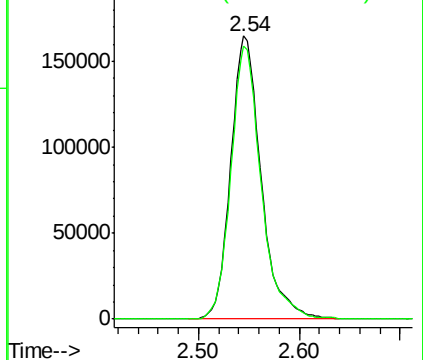
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8/31/2019 11:28:38 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.150 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.00 min

Lab File: VN057590.D

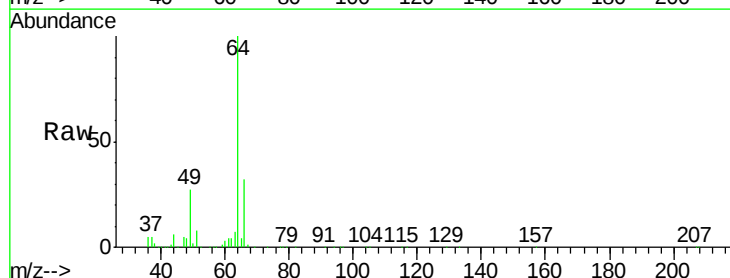
Acq: 30 Aug 2019 15:41

Tgt Ion: 64 Resp: 247439

Ion Ratio Lower Upper

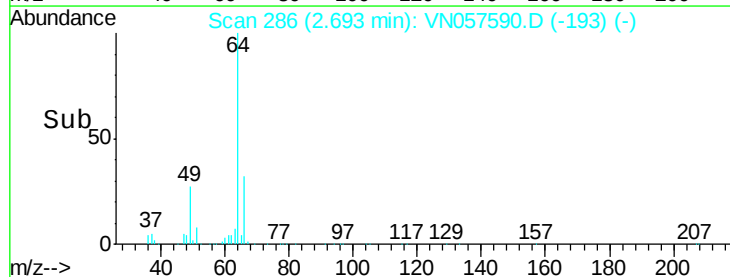
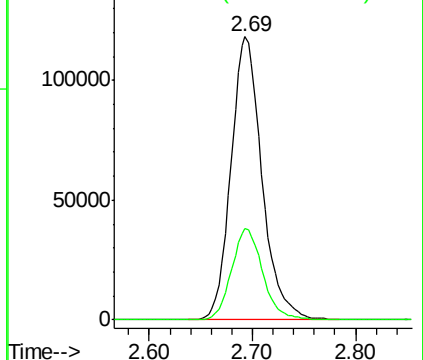
64 100

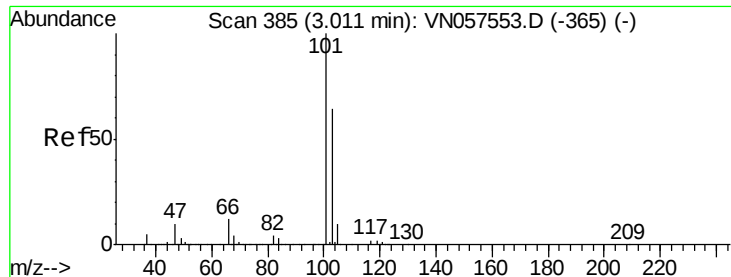
66 32.1 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

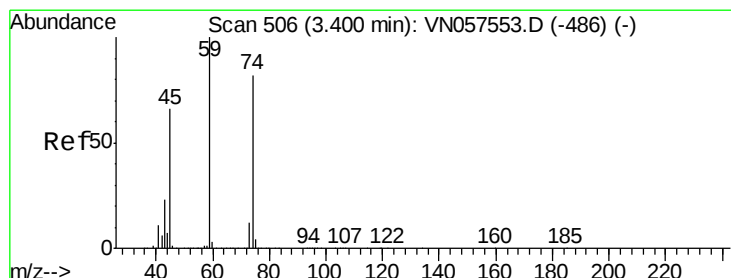
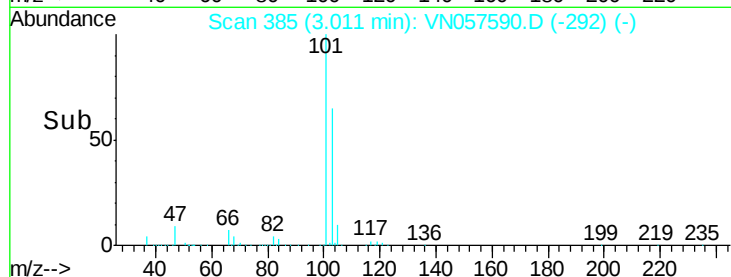
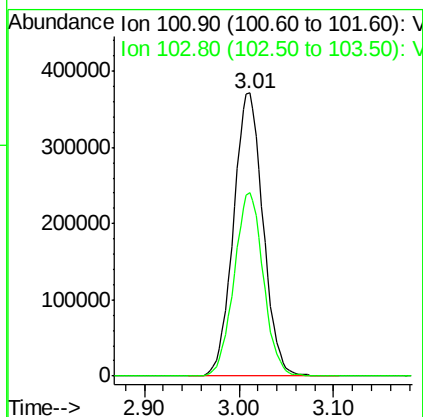
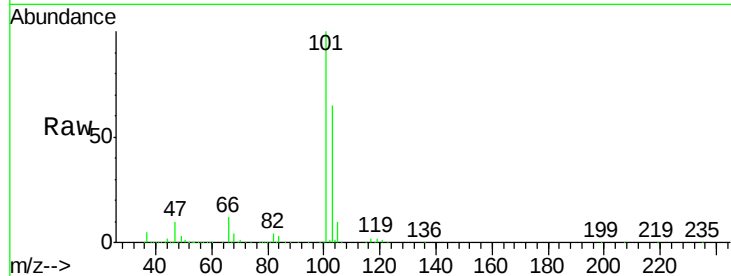
Trichlorofluoromethane  
Concen: 50.608 ug/l  
RT: 3.01 min Scan# 385  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.9  | 52.6  | 78.8  |

Manual Integrations  
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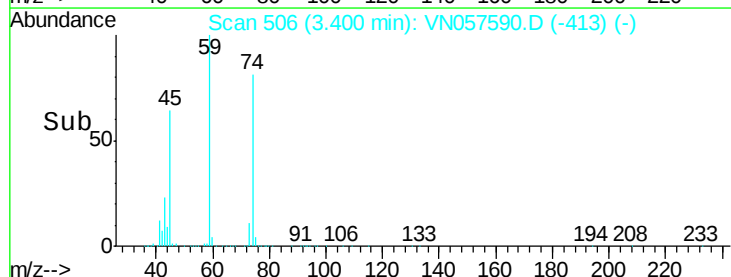
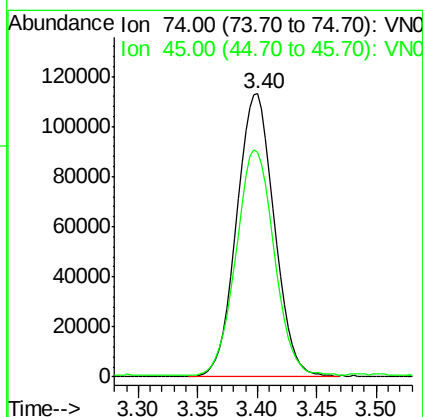
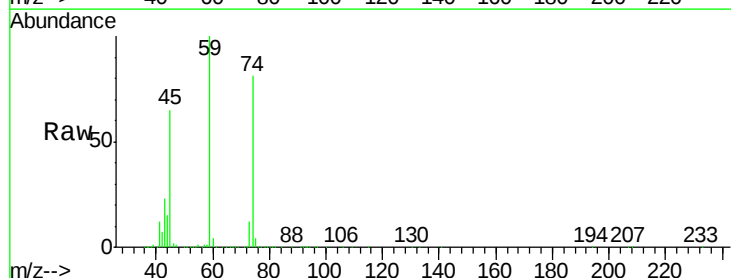
MMDadoda  
8/31/2019 11:28:38 AM

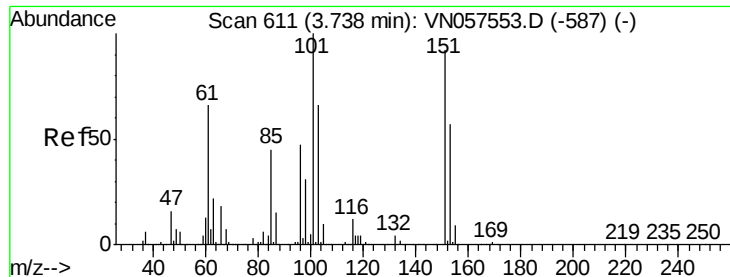


#8

Diethyl Ether  
Concen: 47.018 ug/l  
RT: 3.40 min Scan# 506  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 80.8  | 57.9  | 173.6 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.597 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

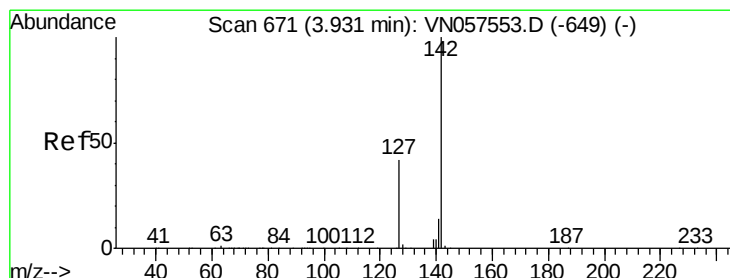
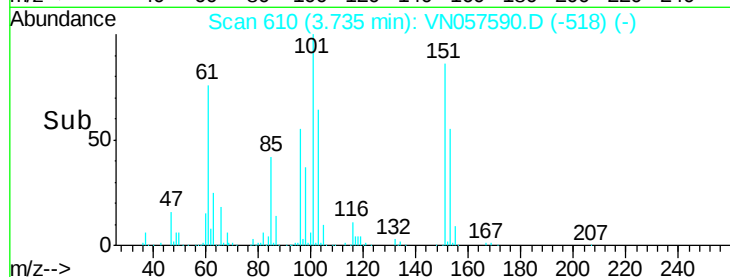
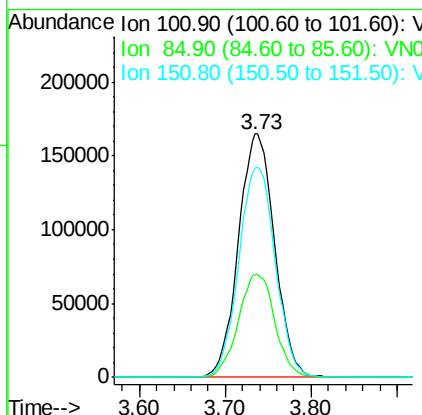
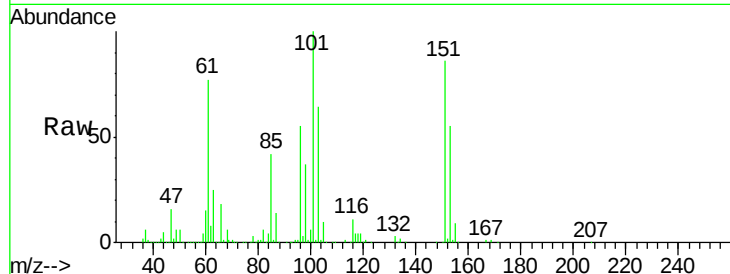
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 481087 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.7  | 40.0  | 60.0   |
| 151       | 87.3  | 57.0  | 85.6#  |

Manual Integrations  
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#10

Methyl Iodide

Concen: 50.836 ug/l

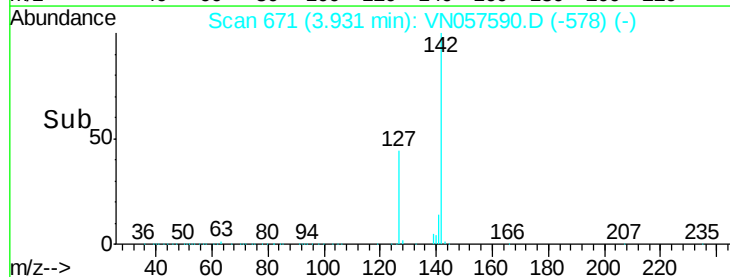
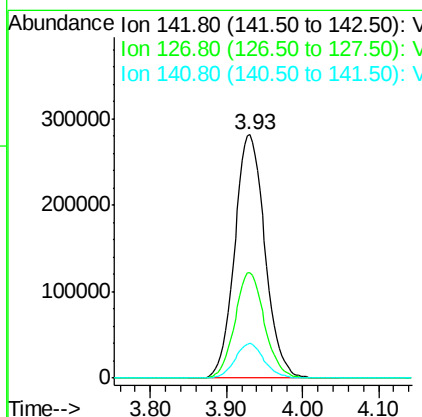
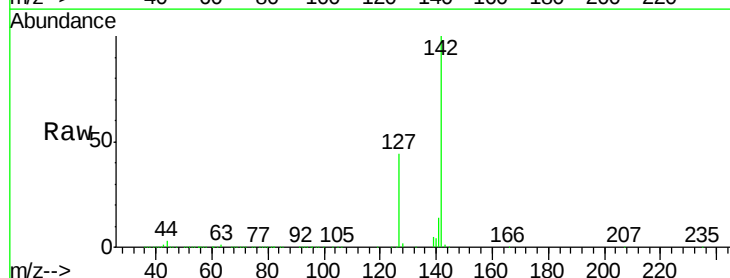
RT: 3.93 min Scan# 671

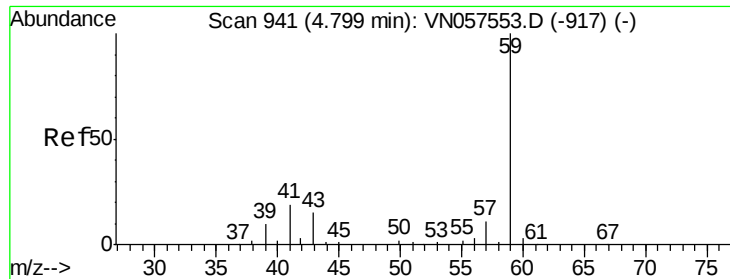
Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 775888 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 42.5  | 37.8  | 56.8   |
| 141       | 13.6  | 11.9  | 17.9   |





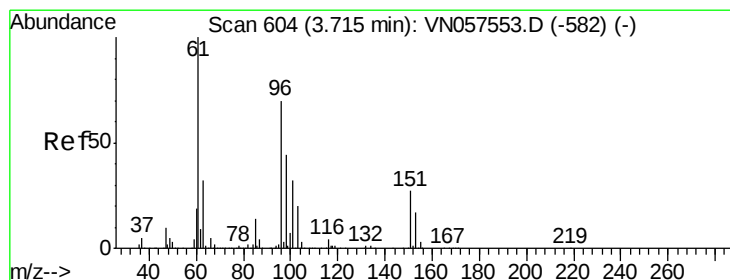
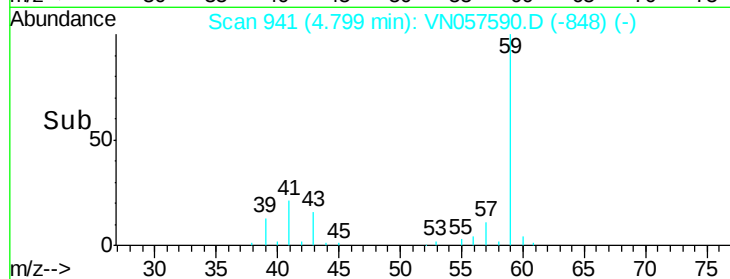
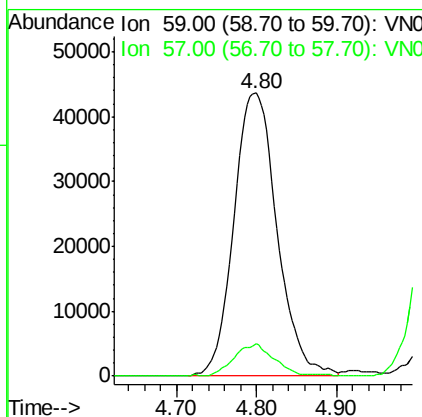
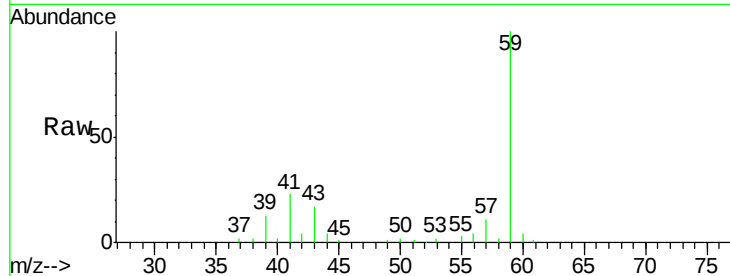
#11  
Tert butyl alcohol  
Concen: 214.888 ug/l  
RT: 4.80 min Scan# 941  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 59 Resp: 160627  
Ion Ratio Lower Upper  
59 100  
57 10.5 9.1 13.7

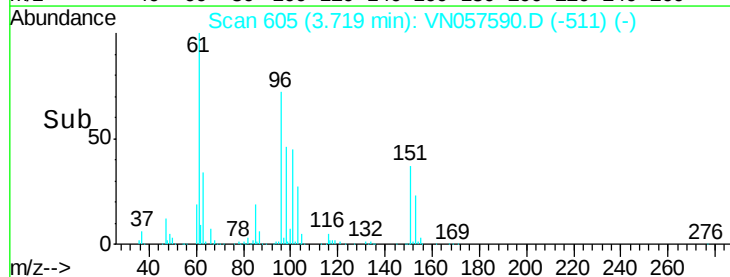
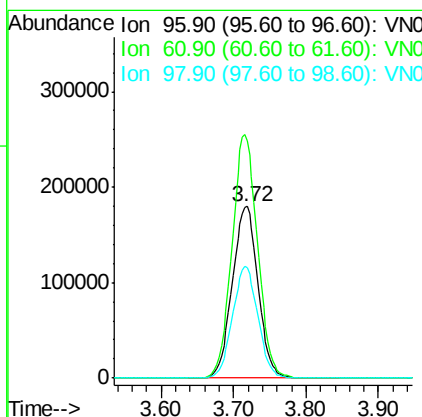
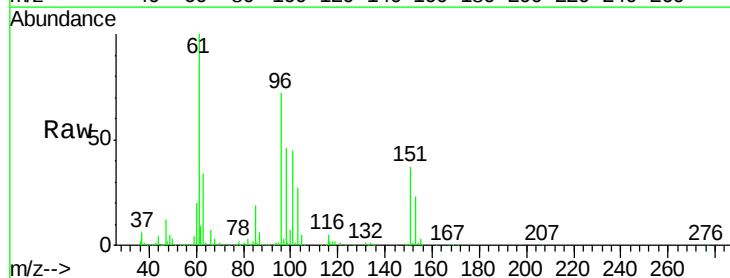
Manual Integrations  
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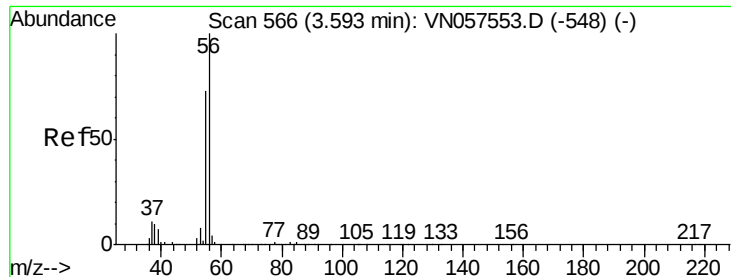
MMDadoda  
8/31/2019 11:28:38 AM



#12  
1,1-Dichloroethene  
Concen: 50.673 ug/l  
RT: 3.72 min Scan# 605  
Delta R.T. 0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

Tgt Ion: 96 Resp: 444627  
Ion Ratio Lower Upper  
96 100  
61 137.9 155.3 232.9#  
98 64.0 50.2 75.2





#13

Acrolein

Concen: 212.738 ug/l

RT: 3.59 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 136162

Ion Ratio Lower Upper

56 100

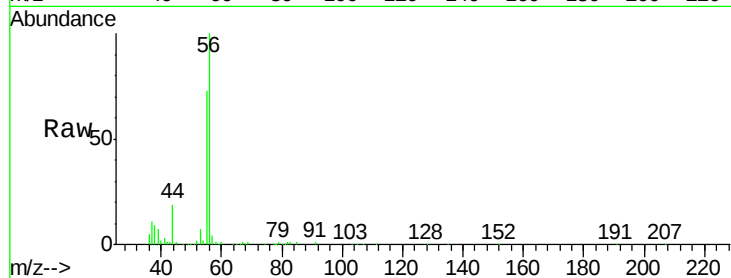
55 73.9 59.0 88.4

Manual Integrations

APPROVED

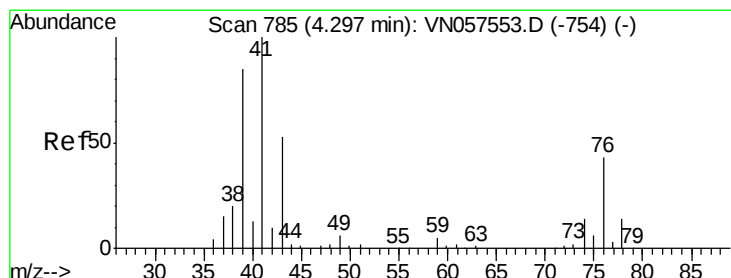
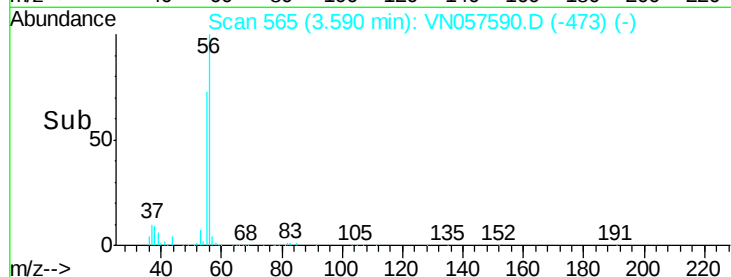
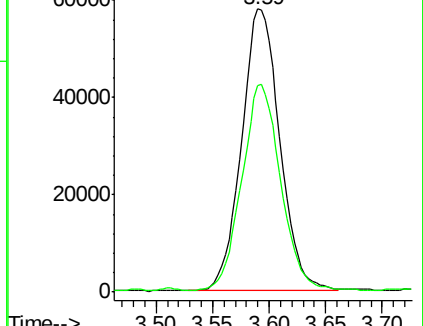
MMDadoda

8/31/2019 11:28:38 AM



Abundance Ion 56.00 (55.70 to 56.70): VN057553.D (-548) (-)

Ion 55.00 (54.70 to 55.70): VN057553.D (-548) (-)



#14

Allyl chloride

Concen: 46.162 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

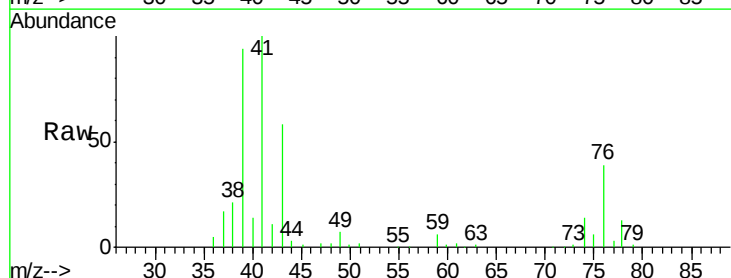
Tgt Ion: 41 Resp: 296482

Ion Ratio Lower Upper

41 100

39 88.0 57.4 86.2#

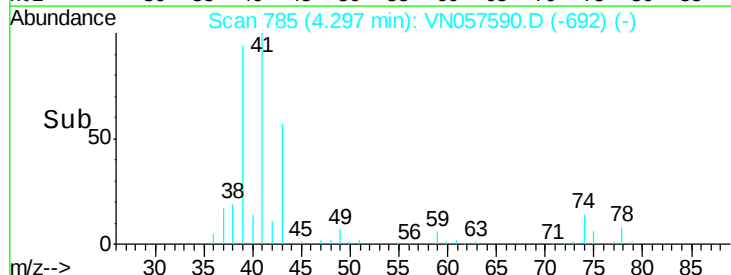
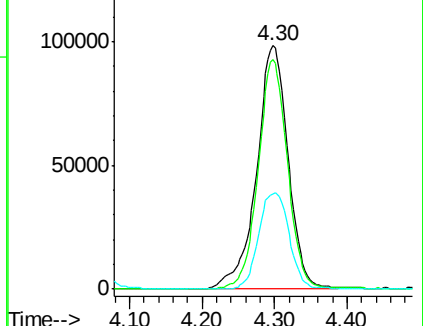
76 38.4 22.9 34.3#

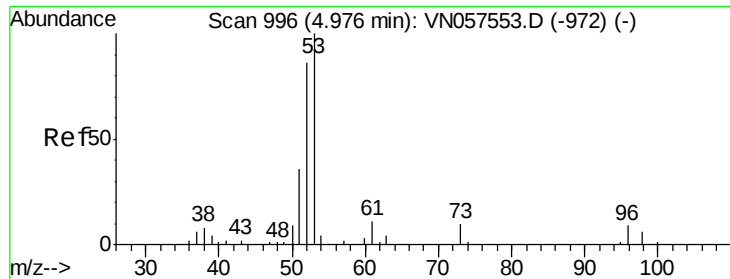


Abundance Ion 41.00 (40.70 to 41.70): VN057553.D (-754) (-)

Ion 39.00 (38.70 to 39.70): VN057553.D (-754) (-)

Ion 75.90 (75.60 to 76.60): VN057553.D (-754) (-)





#15

Acrylonitrile

Concen: 234.021 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

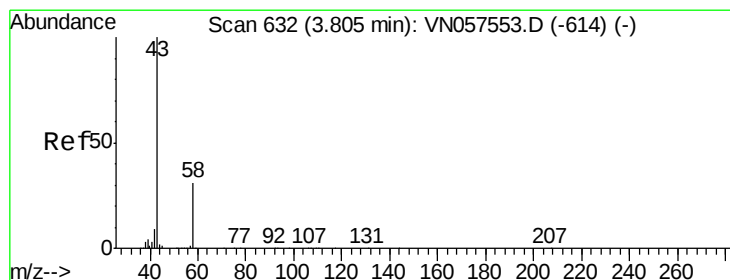
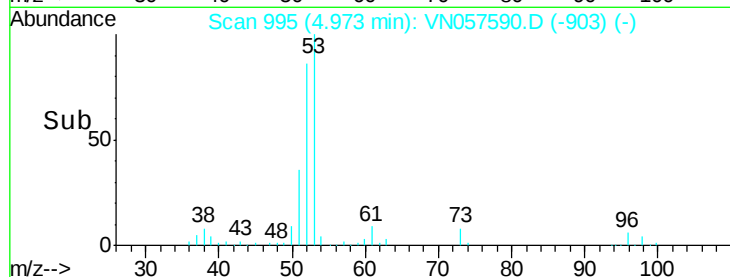
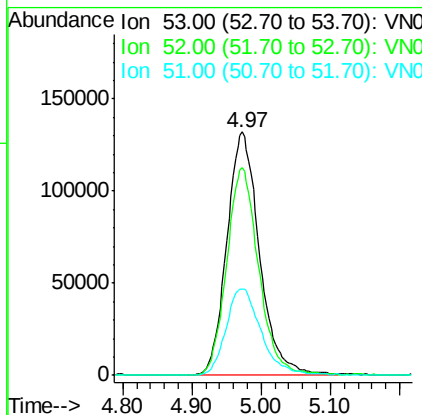
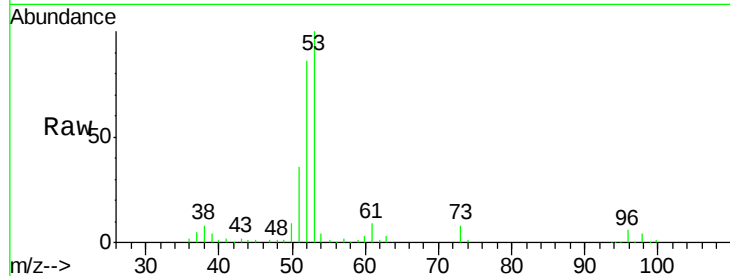
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 433121 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.6  | 67.0  | 100.6  |
| 51       | 37.9  | 29.9  | 44.9   |

Manual Integrations  
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#16

Acetone

Concen: 289.009 ug/l

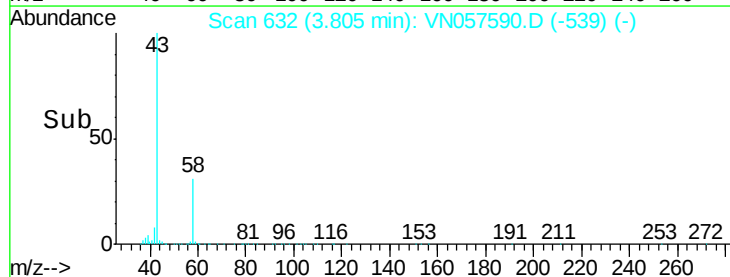
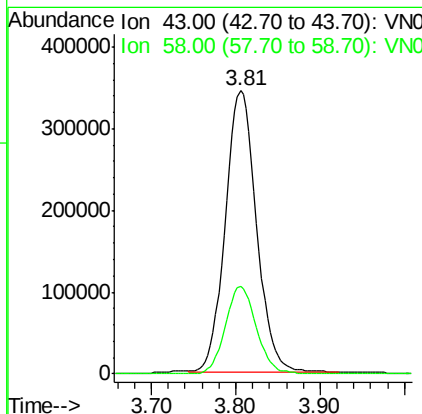
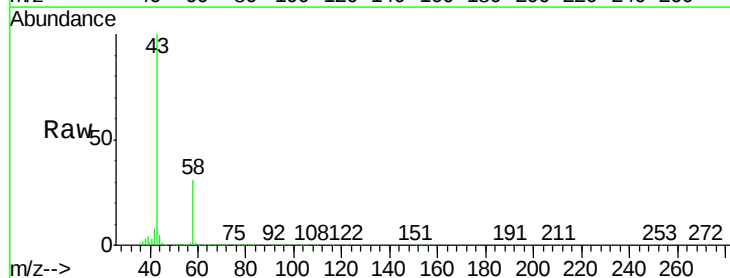
RT: 3.81 min Scan# 632

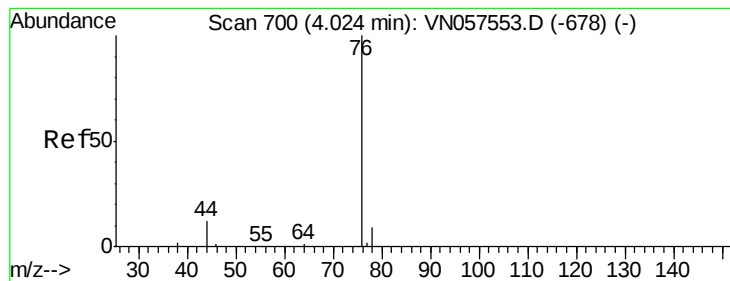
Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 885503 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 30.9  | 22.1  | 33.1   |





#17

Carbon Disulfide

Concen: 39.641 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 475499

Ion Ratio Lower Upper

76 100

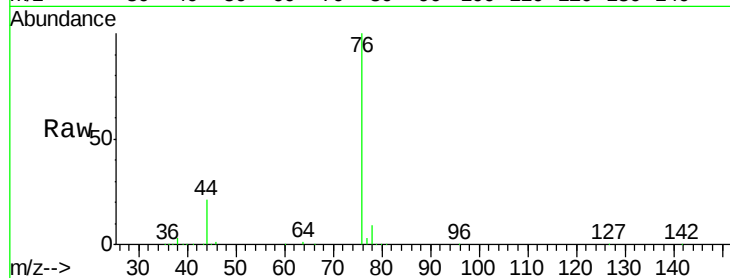
78 8.6 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN057553.D (-678) (-)

Ion 77.90 (77.60 to 78.60): VN057553.D (-678) (-)

4.02

200000

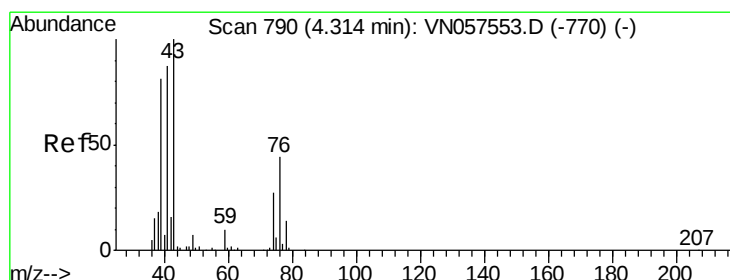
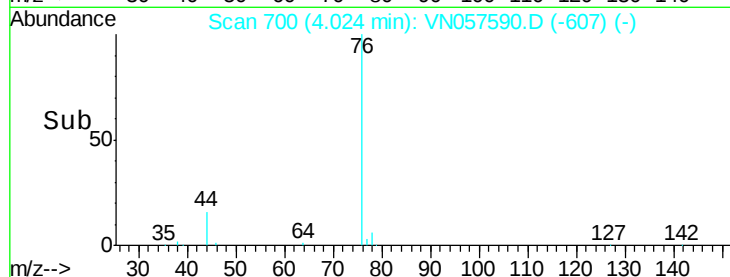
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.629 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057590.D

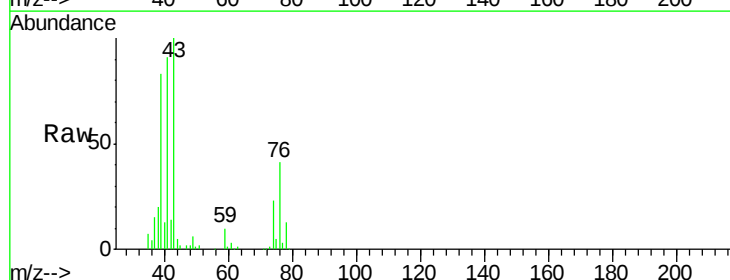
Acq: 30 Aug 2019 15:41

Tgt Ion: 43 Resp: 213137

Ion Ratio Lower Upper

43 100

74 24.1 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN057553.D (-770) (-)

Ion 74.00 (73.70 to 74.70): VN057553.D (-770) (-)

4.31

80000

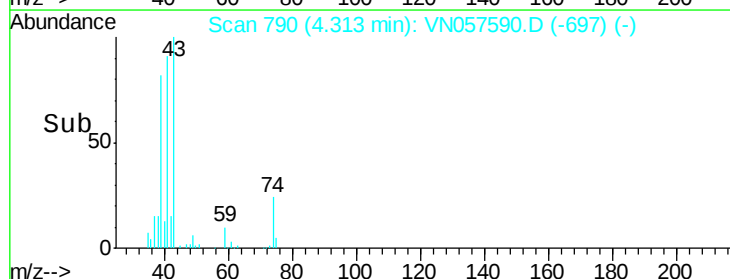
60000

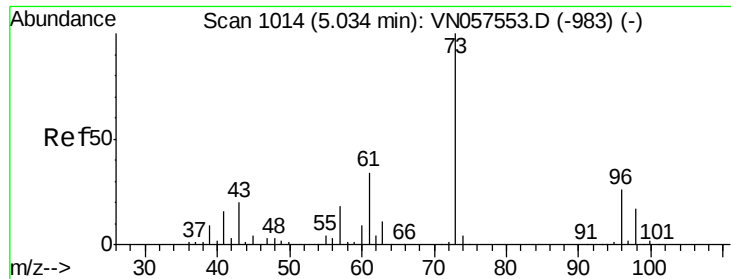
40000

20000

0

Time-->





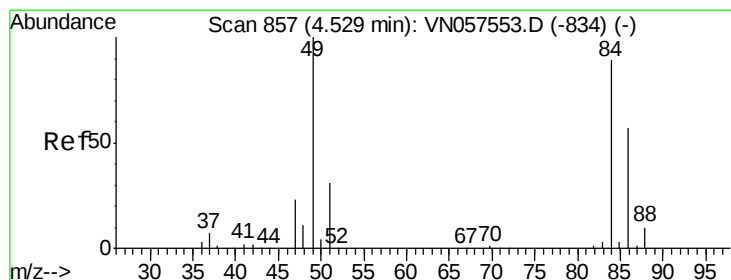
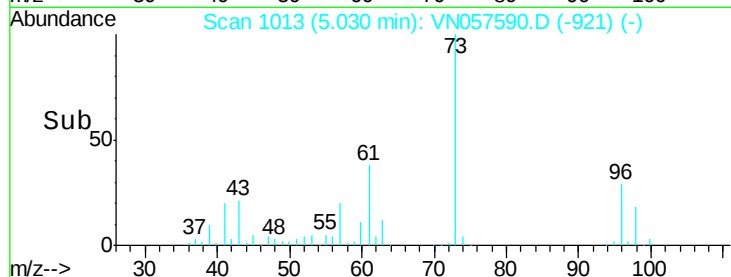
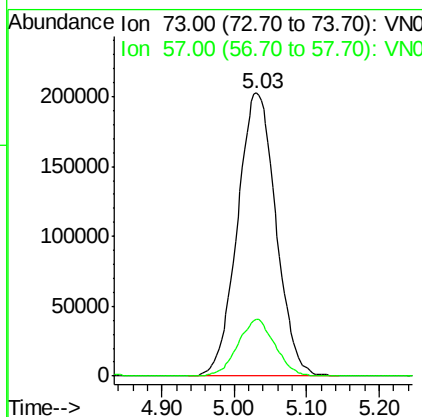
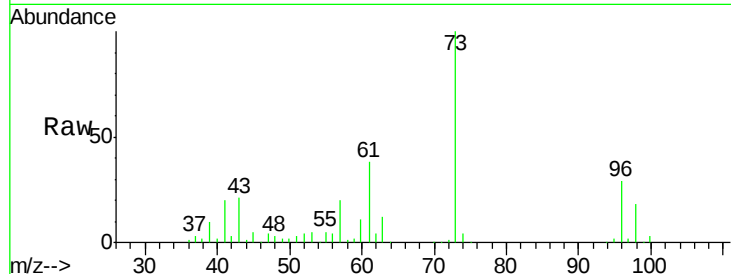
#19  
Methvl tert-butvl Ether  
Concen: 44.704 ug/l  
RT: 5.03 min Scan# 1013  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 747211  
Ion Ratio Lower Upper  
73 100  
57 20.1 19.1 28.7

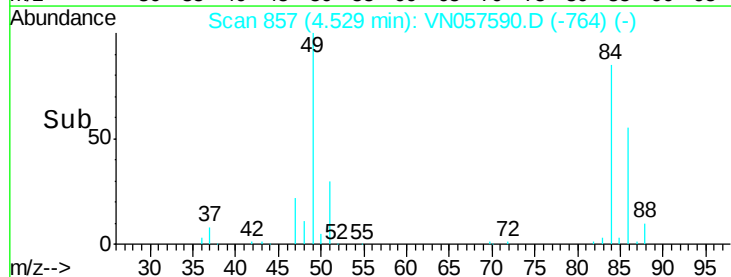
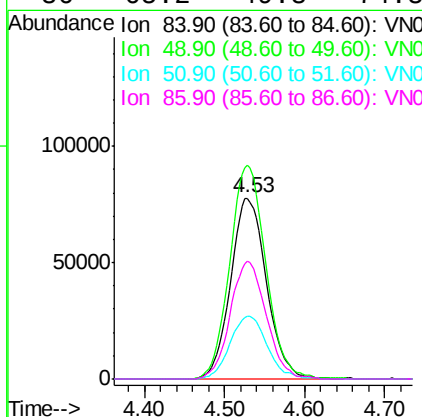
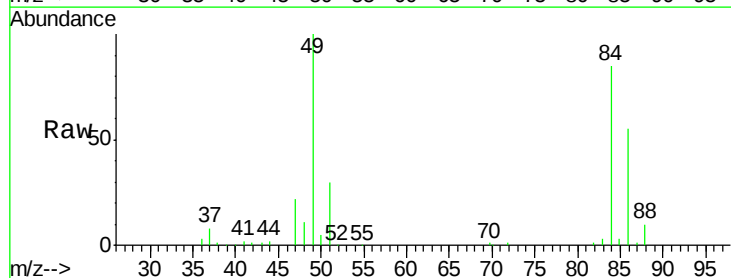
Manual Integrations  
APPROVED

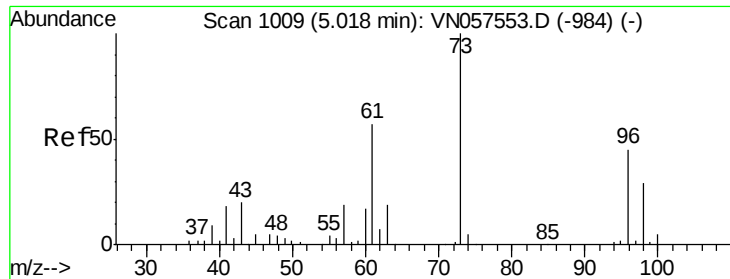
MMDadoda  
8/31/2019 11:28:38 AM



#20  
Methylene Chloride  
Concen: 41.555 ug/l  
RT: 4.53 min Scan# 857  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

Tgt Ion: 84 Resp: 235862  
Ion Ratio Lower Upper  
84 100  
49 117.9 117.0 175.4  
51 34.9 35.5 53.3#  
86 65.2 49.8 74.8





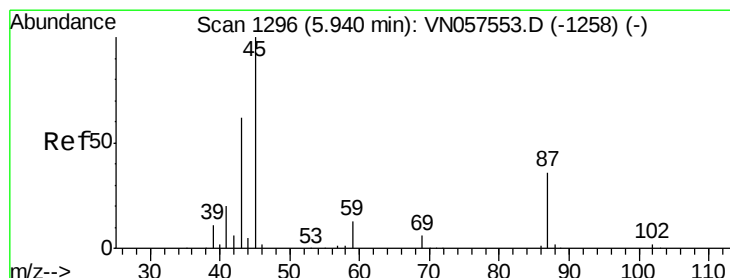
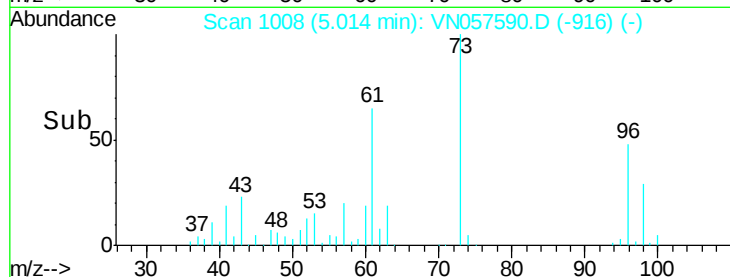
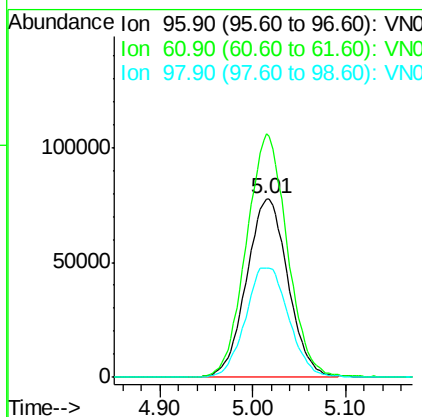
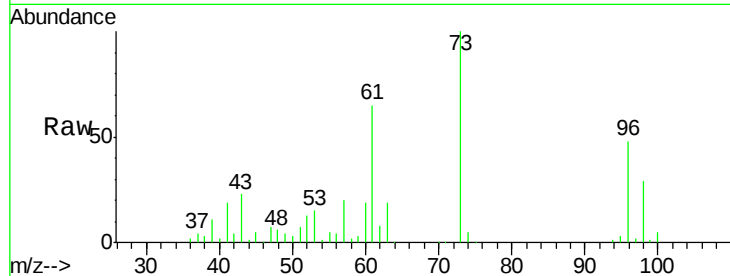
#21  
trans-1,2-Dichloroethene  
Concen: 44.221 ug/l  
RT: 5.01 min Scan# 1008  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 136.3 | 127.9 | 191.9 |
| 98      | 61.0  | 50.6  | 76.0  |

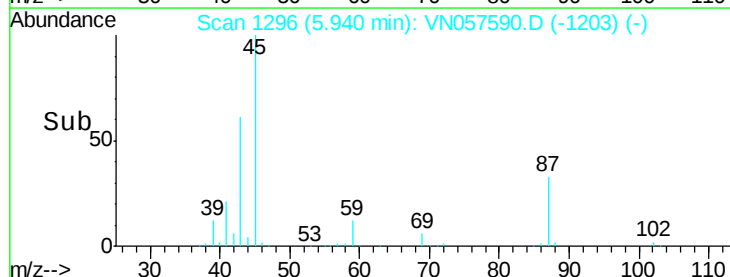
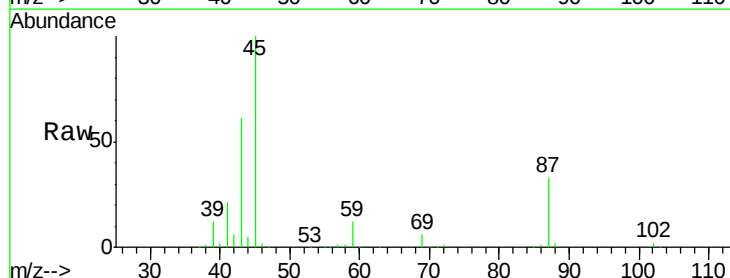
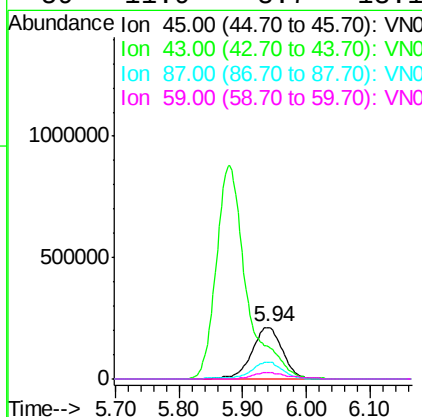
Manual Integrations  
APPROVED

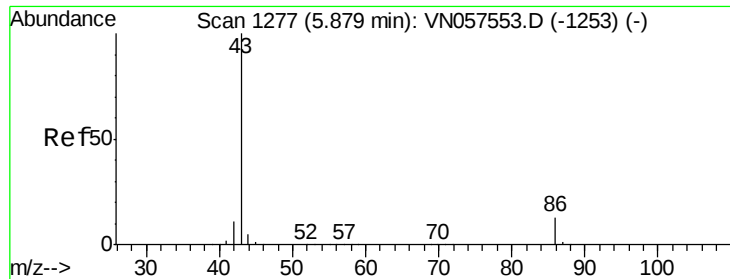
MMDadoda  
8/31/2019 11:28:38 AM



#22  
Diisopropyl ether  
Concen: 49.713 ug/l  
RT: 5.94 min Scan# 1296  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 60.6  | 46.9  | 70.3  |
| 87      | 33.2  | 19.3  | 28.9  |
| 59      | 11.9  | 8.7   | 13.1  |





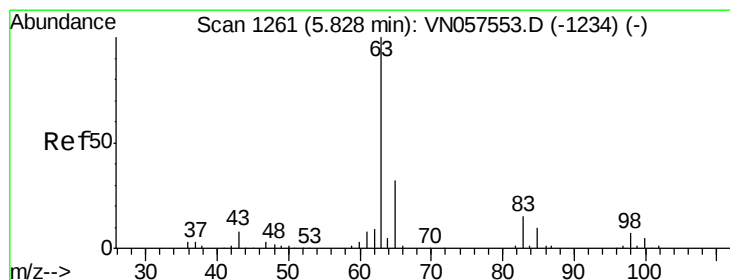
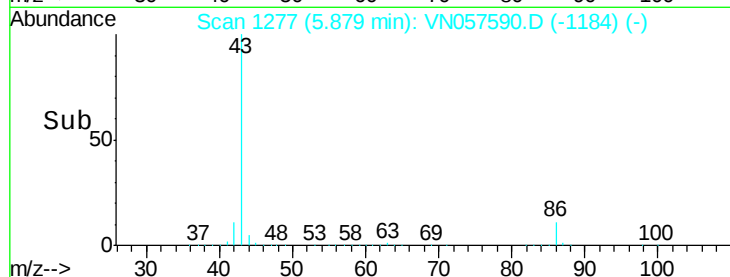
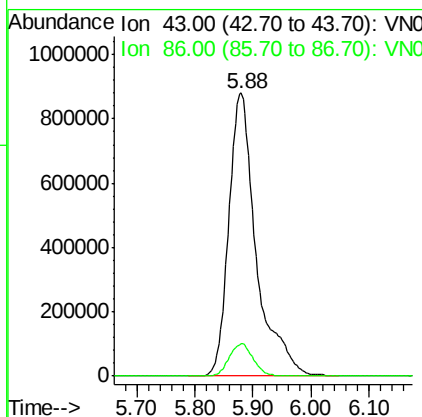
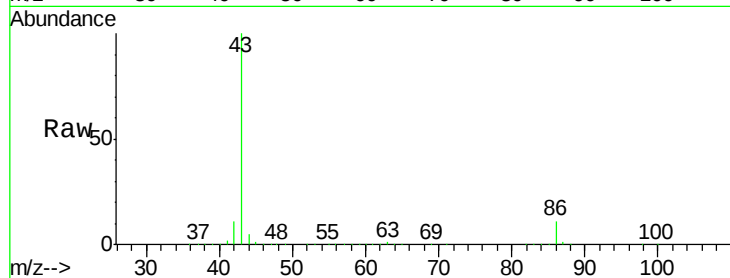
#23  
 Vinyl Acetate  
 Concen: 258.024 ug/l  
 RT: 5.88 min Scan# 1277  
 Delta R.T. -0.00 min  
 Lab File: VN057590.D  
 Acq: 30 Aug 2019 15:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 43 Resp: 2902972  
 Ion Ratio Lower Upper  
 43 100  
 86 11.5 6.7 10.1#

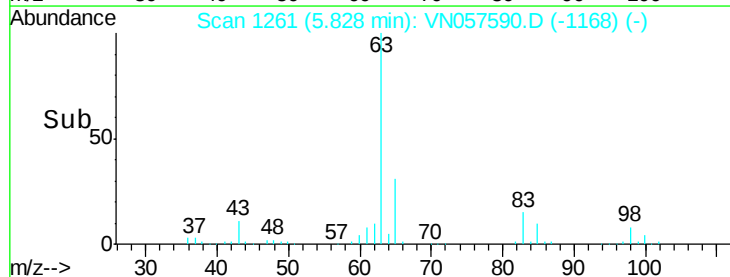
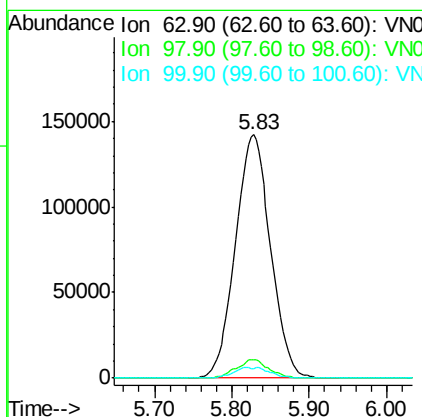
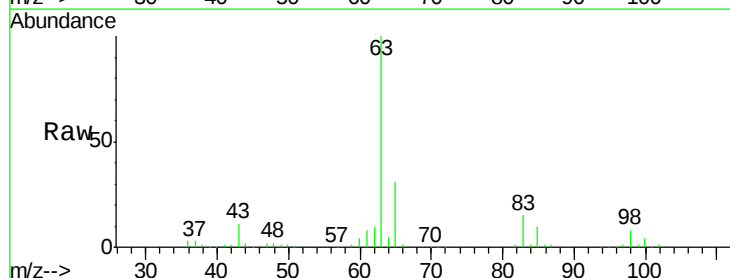
Manual Integrations  
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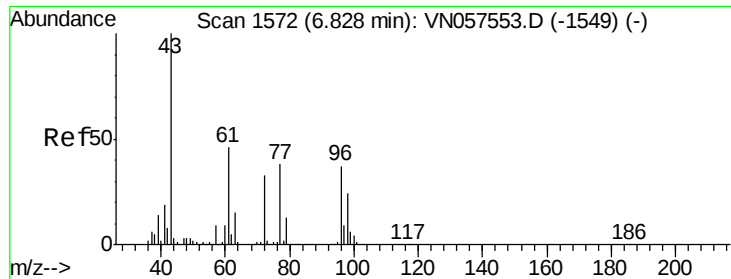
MMDadoda  
 8/31/2019 11:28:38 AM



#24  
 1,1-Dichloroethane  
 Concen: 47.275 ug/l  
 RT: 5.83 min Scan# 1261  
 Delta R.T. -0.00 min  
 Lab File: VN057590.D  
 Acq: 30 Aug 2019 15:41

Tgt Ion: 63 Resp: 448192  
 Ion Ratio Lower Upper  
 63 100  
 98 7.6 2.9 8.6  
 100 4.1 2.1 6.3





#25

2-Butanone

Concen: 265.764 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 642733

Ion Ratio Lower Upper

43 100

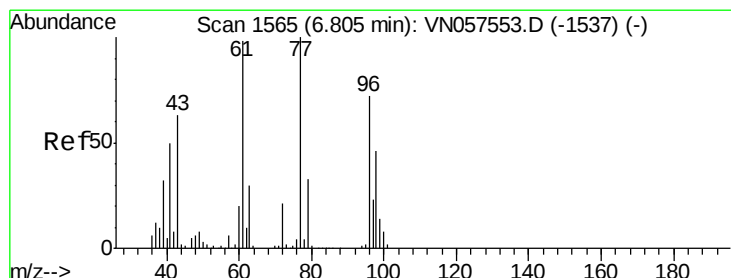
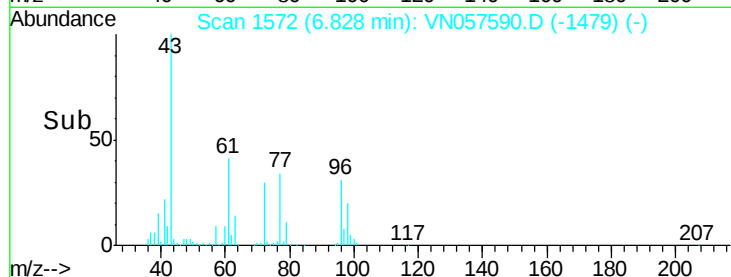
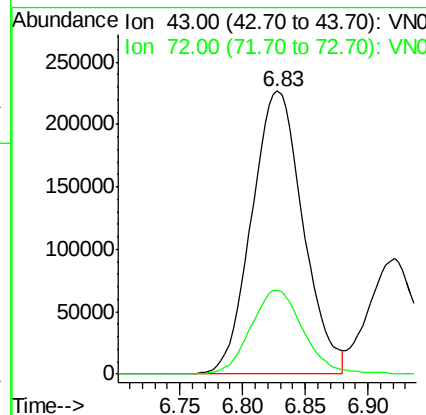
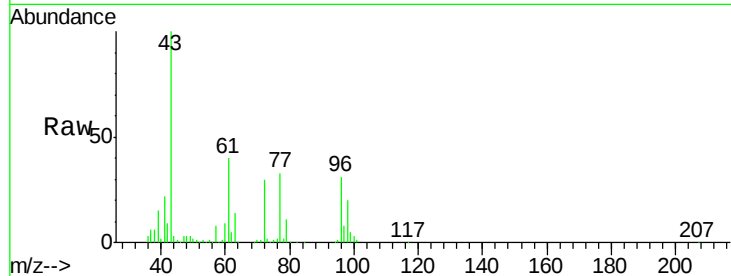
72 29.8 17.8 26.8#

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#26

2,2-Dichloropropane

Concen: 45.557 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057590.D

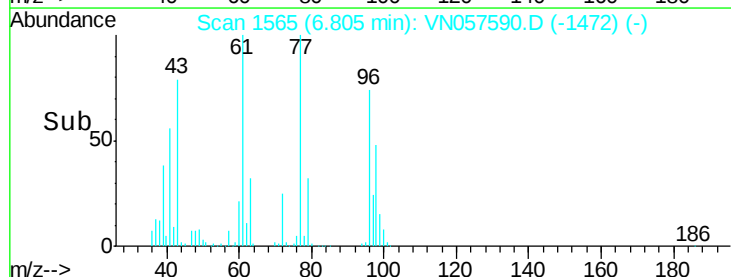
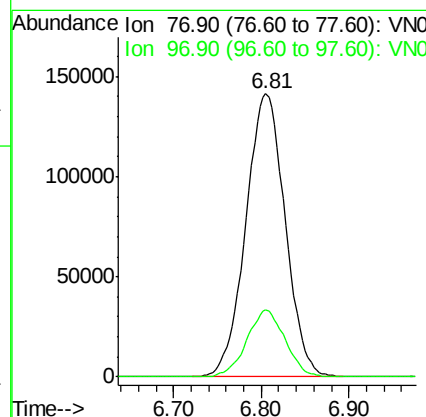
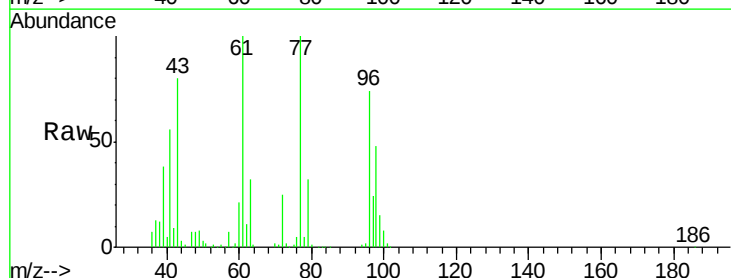
Acq: 30 Aug 2019 15:41

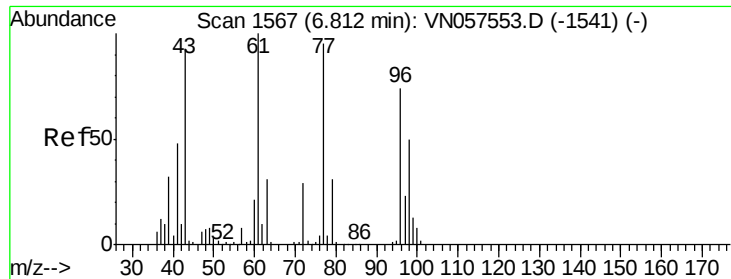
Tgt Ion: 77 Resp: 440973

Ion Ratio Lower Upper

77 100

97 23.0 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 46.377 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

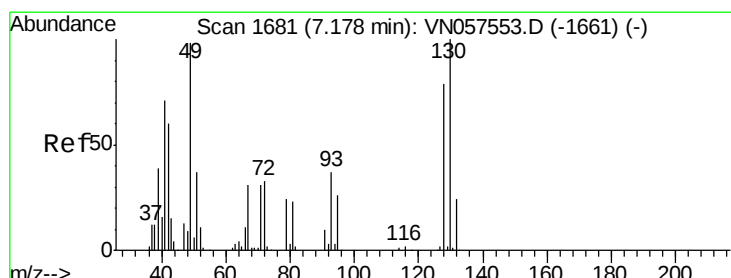
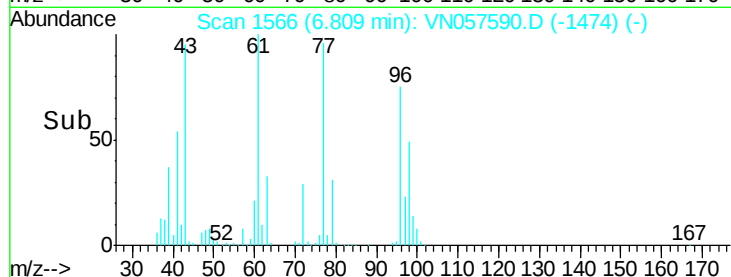
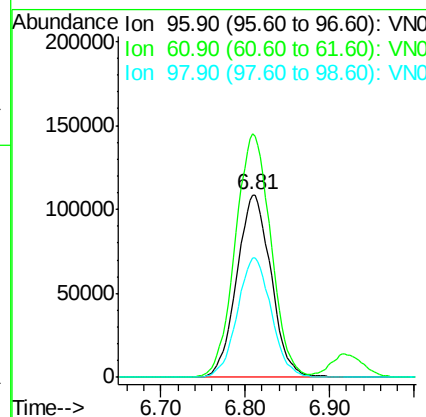
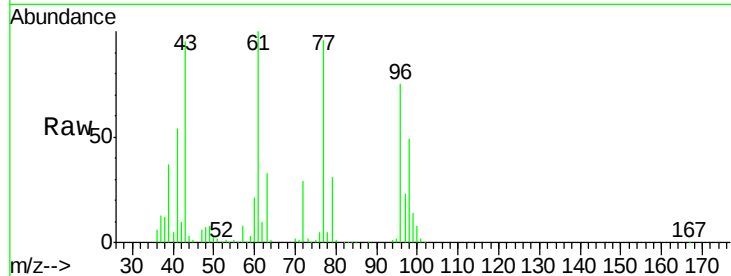
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 308291 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 138.0 | 0.0   | 334.8  |
| 98        | 64.7  | 0.0   | 127.4  |

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#28

Bromochloromethane

Concen: 53.317 ug/l

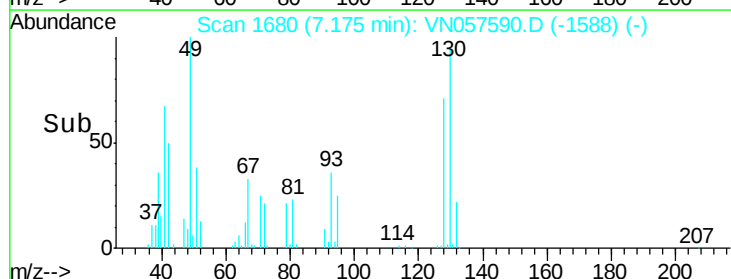
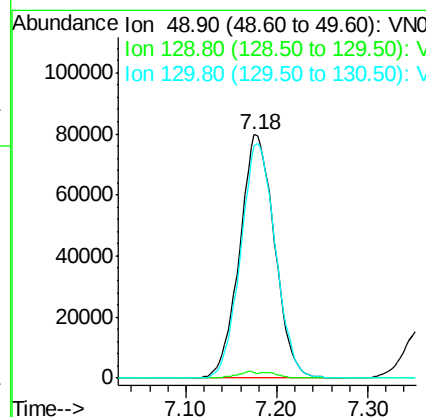
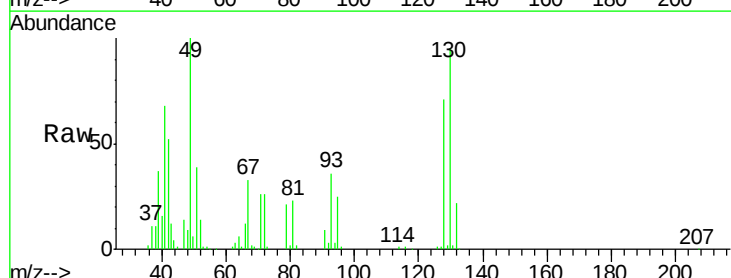
RT: 7.18 min Scan# 1680

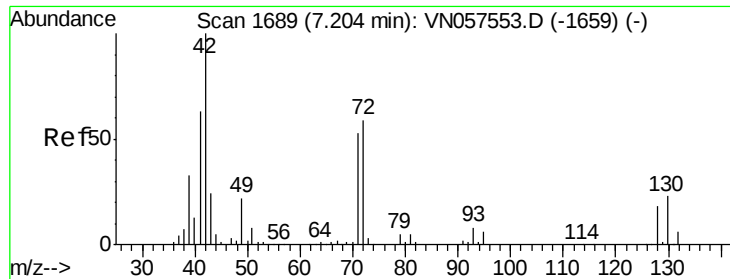
Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 49    | Resp: | 212479 |
| Ion Ratio | Lower | Upper |        |
| 49        | 100   |       |        |
| 129       | 1.4   | 0.0   | 3.6    |
| 130       | 96.0  | 48.6  | 72.8#  |





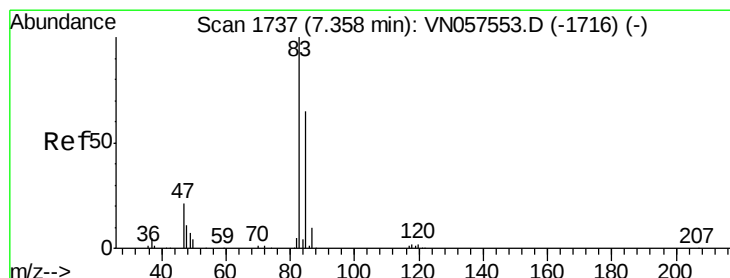
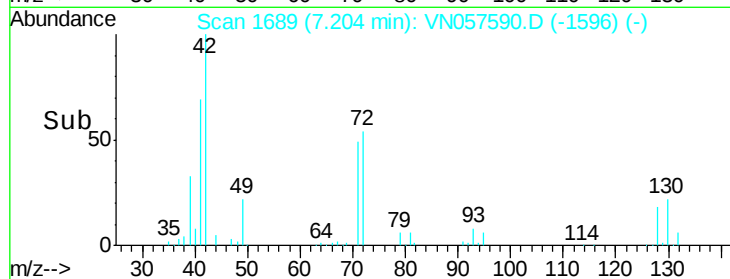
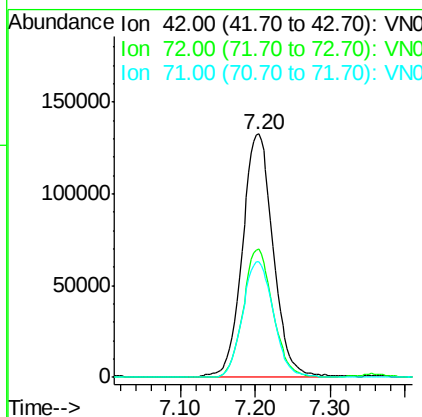
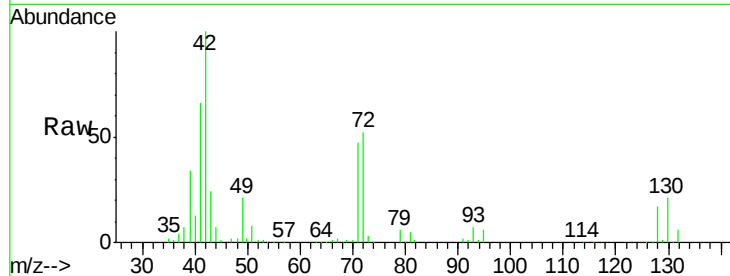
#29  
Tetrahydrofuran  
Concen: 250.431 ug/l  
RT: 7.20 min Scan# 1689  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 50.8  | 30.1  | 45.1# |
| 71      | 47.9  | 28.8  | 43.2# |

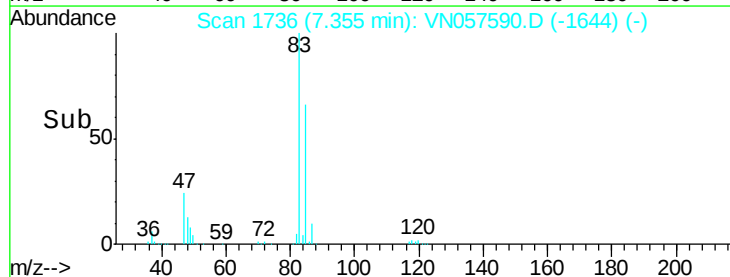
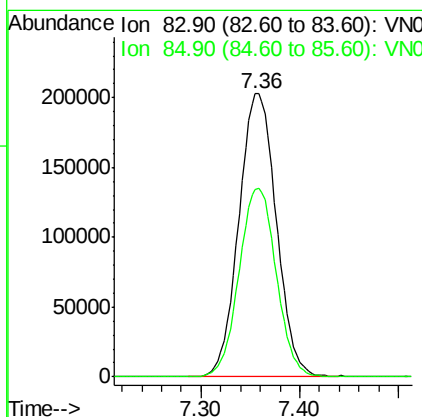
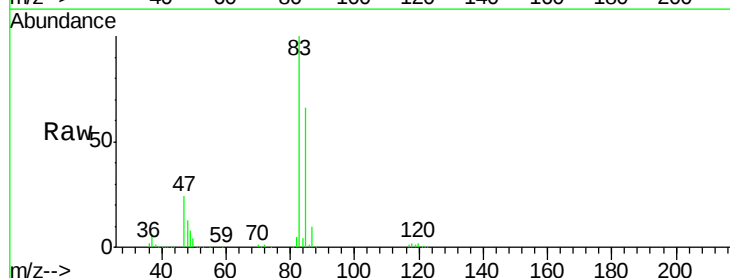
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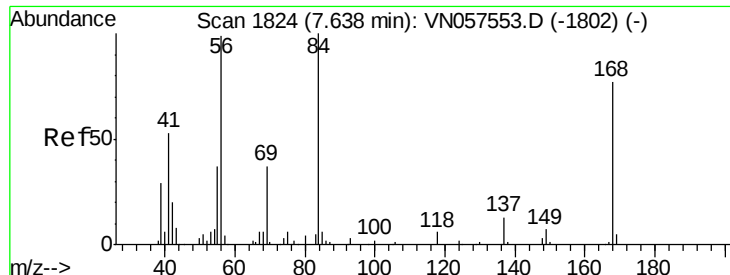
MMDadoda  
8/31/2019 11:28:38 AM



#30  
Chloroform  
Concen: 45.355 ug/l  
RT: 7.36 min Scan# 1736  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.3  | 51.9  | 77.9  |





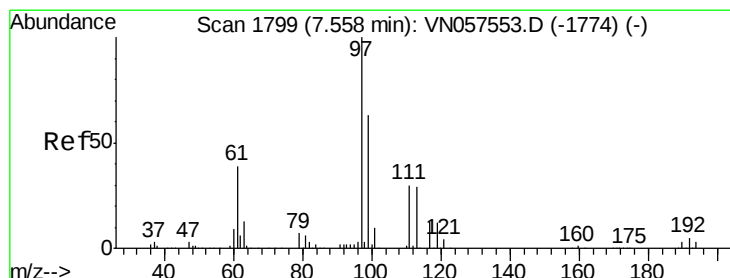
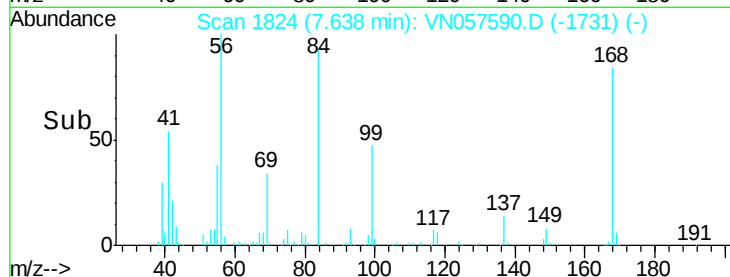
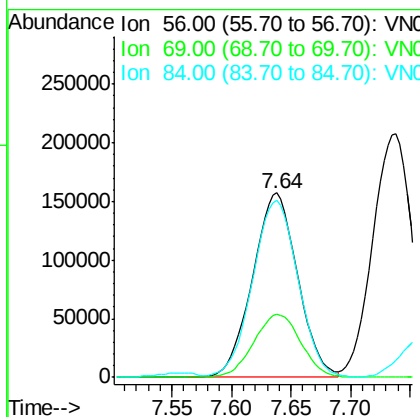
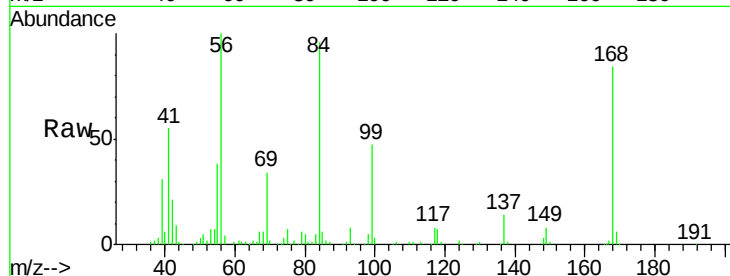
#31  
Cyclohexane  
Concen: 46.743 ug/l  
RT: 7.64 min Scan# 1824  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 34.3  | 25.0  | 37.6  |
| 84      | 94.7  | 62.5  | 93.7# |

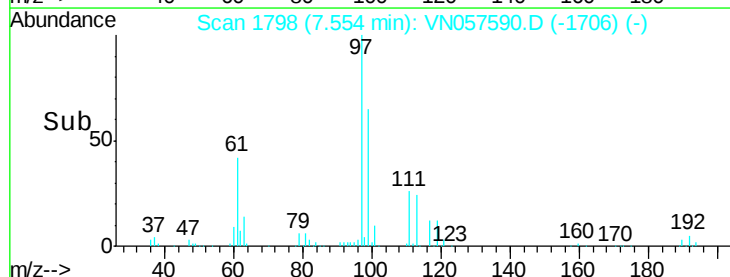
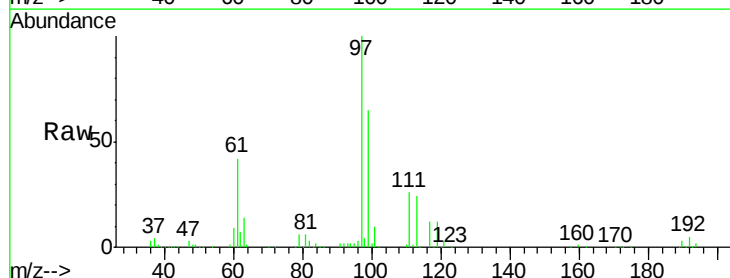
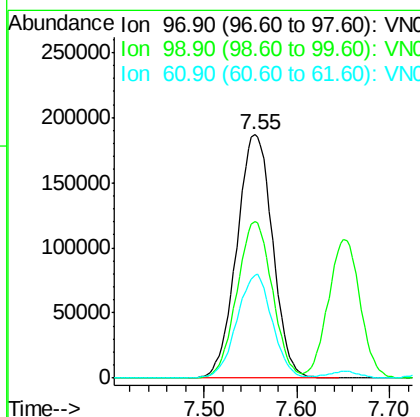
Manual Integrations  
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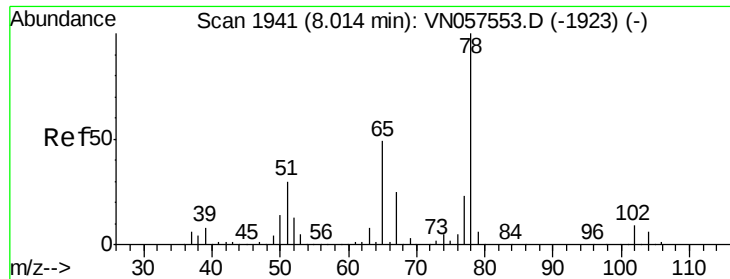
MMDadoda  
8/31/2019 11:28:38 AM



#32  
1,1,1-Trichloroethane  
Concen: 47.898 ug/l  
RT: 7.55 min Scan# 1798  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.7  | 51.0  | 76.6  |
| 61      | 42.2  | 39.8  | 59.6  |





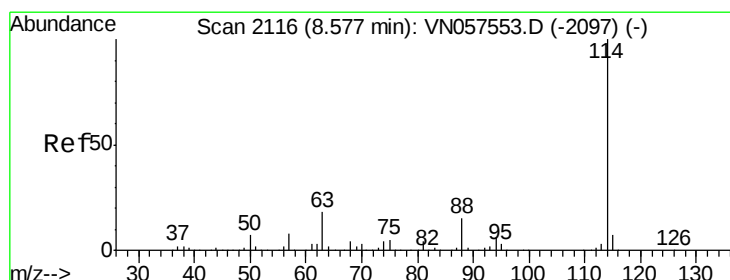
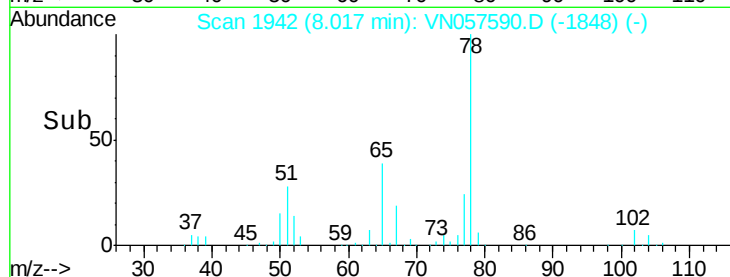
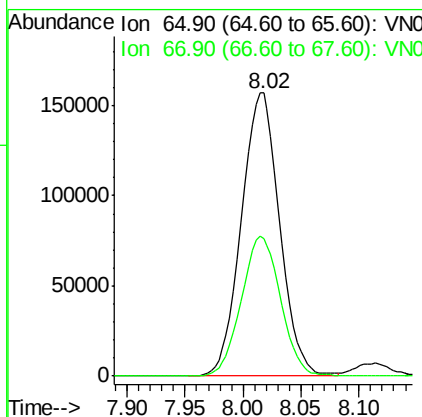
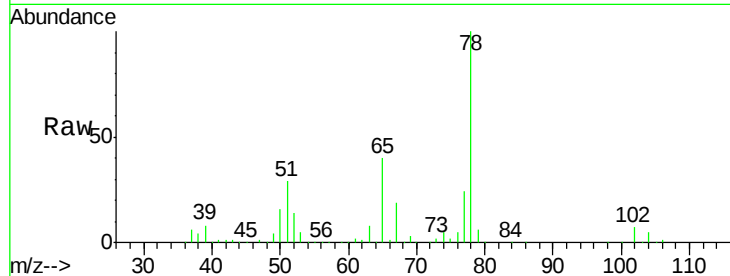
#33  
 1,2-Dichloroethane-d4  
 Concen: 47.614 ug/l  
 RT: 8.02 min Scan# 1942  
 Delta R.T. 0.00 min  
 Lab File: VN057590.D  
 Acq: 30 Aug 2019 15:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 50.7  | 0.0  | 103.8 |       |

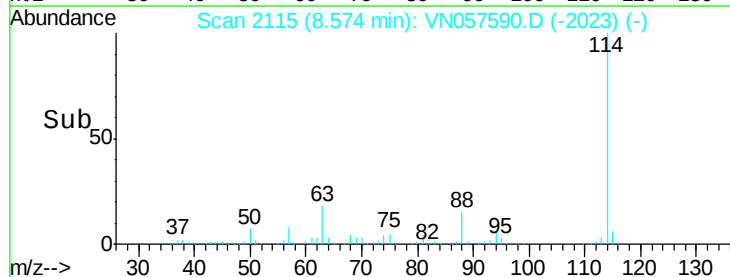
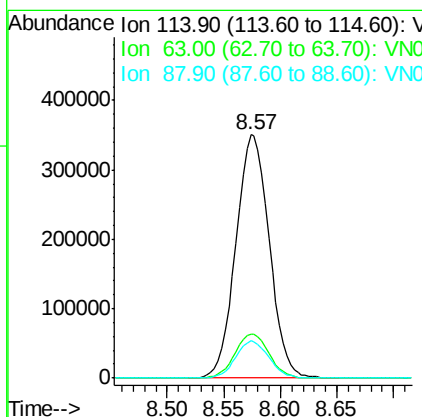
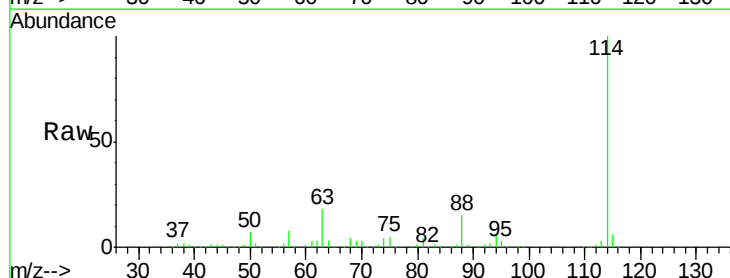
Manual Integrations  
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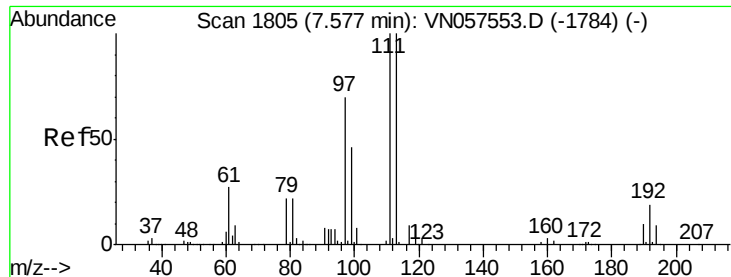
MMDadoda  
 8/31/2019 11:28:38 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2115  
 Delta R.T. -0.00 min  
 Lab File: VN057590.D  
 Acq: 30 Aug 2019 15:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 18.1  | 0.0  | 50.2  |       |
| 88      | 15.2  | 0.0  | 34.6  |       |





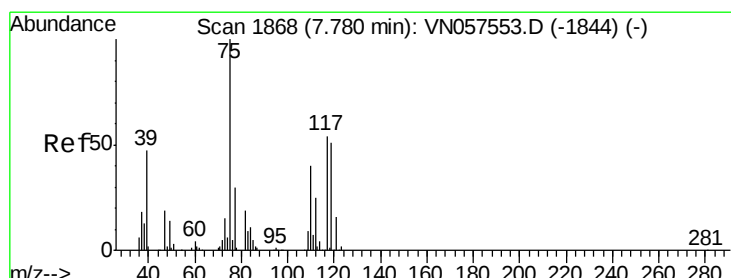
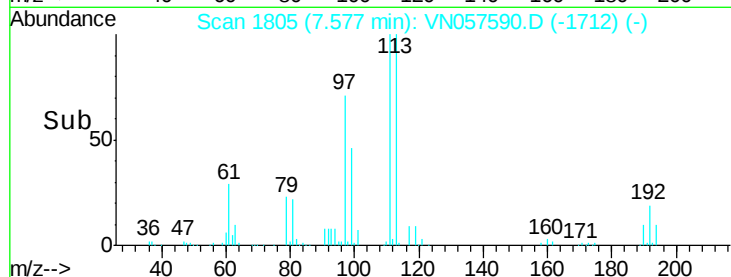
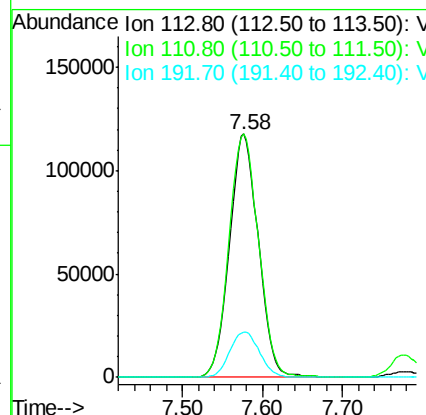
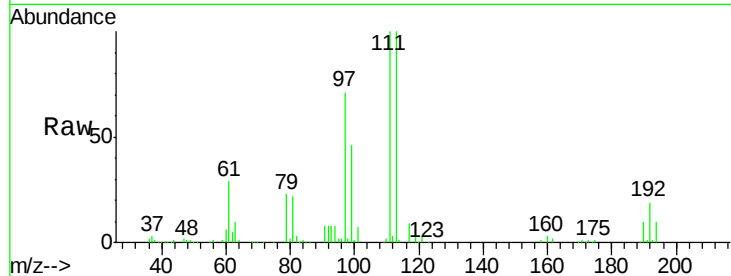
#35  
 Dibromofluoromethane  
 Concen: 44.984 ug/l  
 RT: 7.58 min Scan# 1805  
 Delta R.T. -0.00 min  
 Lab File: VN057590.D  
 Acq: 30 Aug 2019 15:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 290068 |       |       |
| 111     | 102.5 | 83.8   | 125.6 |       |
| 192     | 19.3  | 13.5   | 20.3  |       |

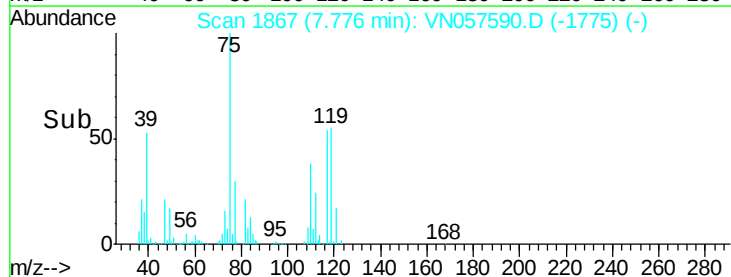
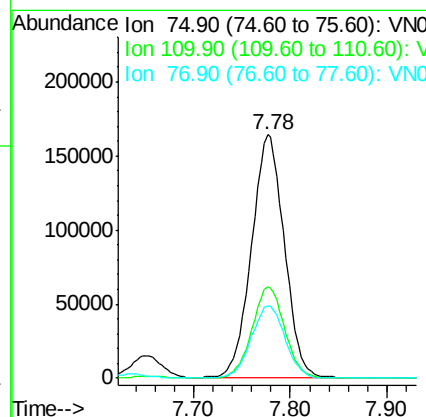
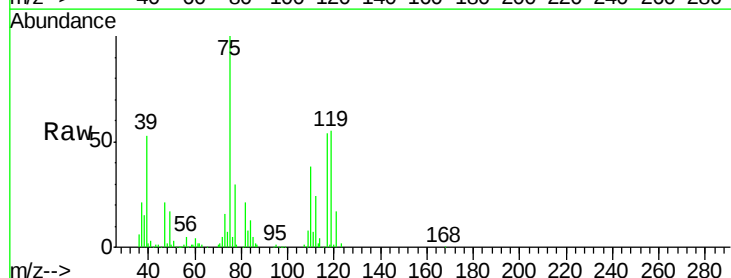
Manual Integrations  
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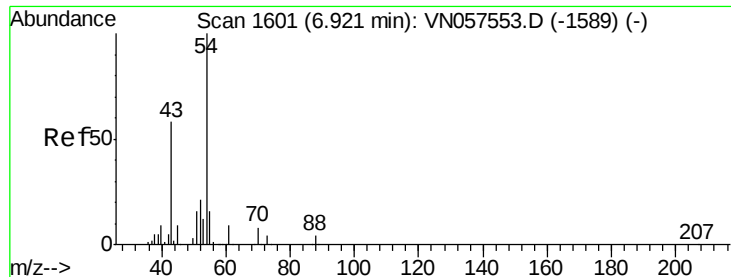
MMDadoda  
 8/31/2019 11:28:38 AM



#36  
 1,1-Dichloropropene  
 Concen: 49.312 ug/l  
 RT: 7.78 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VN057590.D  
 Acq: 30 Aug 2019 15:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 384845 |       |       |
| 110     | 37.5  | 16.1   | 48.3  |       |
| 77      | 30.8  | 24.8   | 37.2  |       |





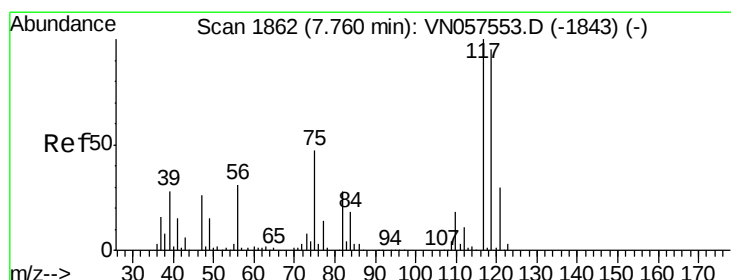
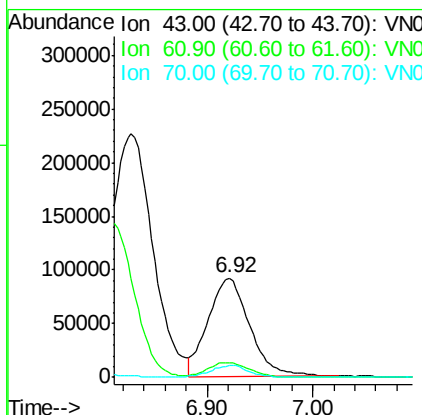
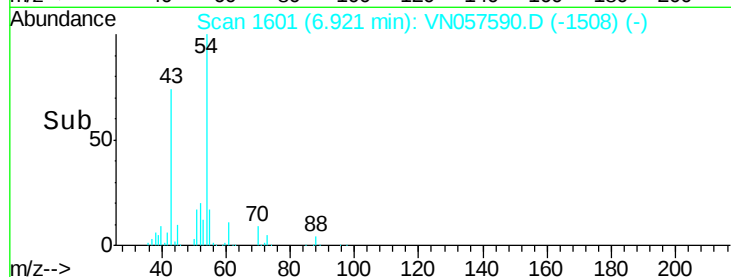
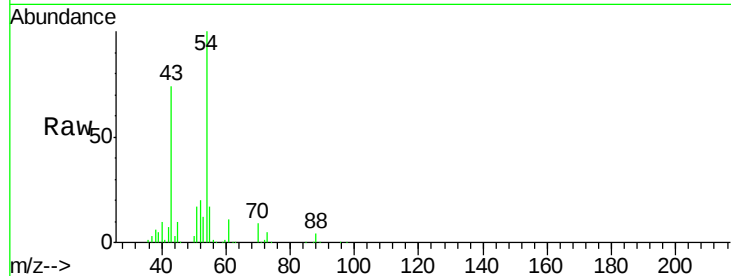
#37  
Ethyl Acetate  
Concen: 48.452 ug/l  
RT: 6.92 min Scan# 1601  
Delta R.T. 0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 43      | 100   |      |       |       |
| 61      | 15.4  | 9.9  | 14.9# |       |
| 70      | 11.3  | 7.0  | 10.6# |       |

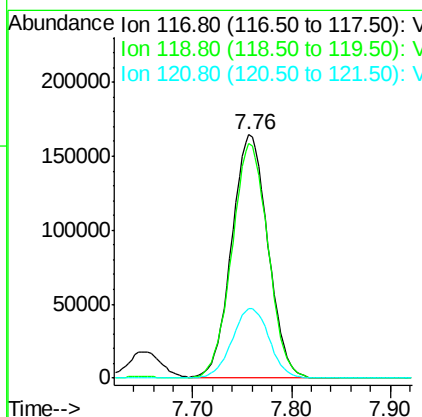
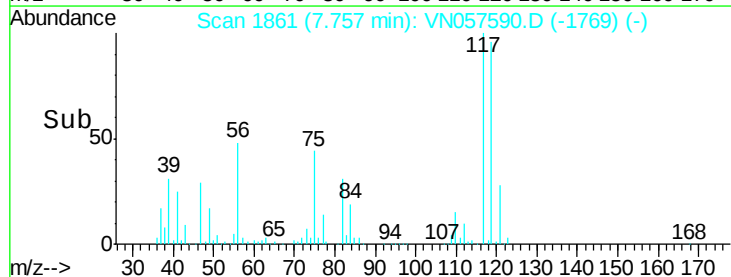
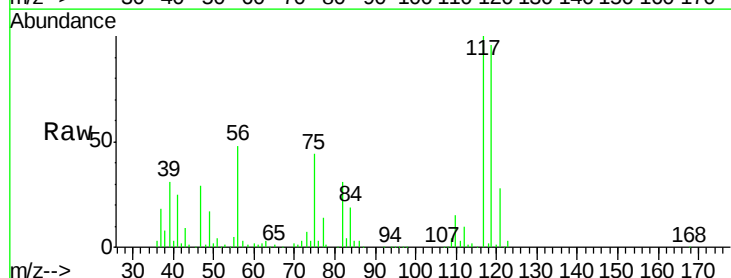
Manual Integrations  
APPROVED

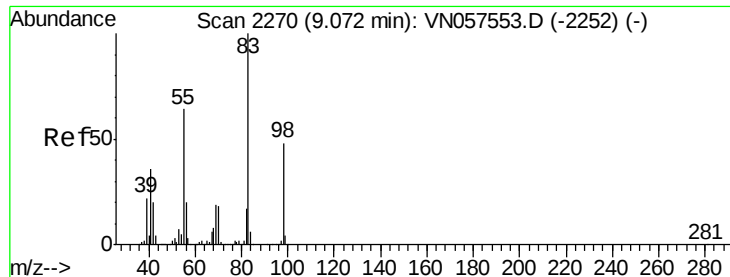
MMDadoda  
8/31/2019 11:28:38 AM



#38  
Carbon Tetrachloride  
Concen: 45.917 ug/l  
RT: 7.76 min Scan# 1861  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 96.2  | 76.2 | 114.4 |       |
| 121     | 28.5  | 23.8 | 35.6  |       |





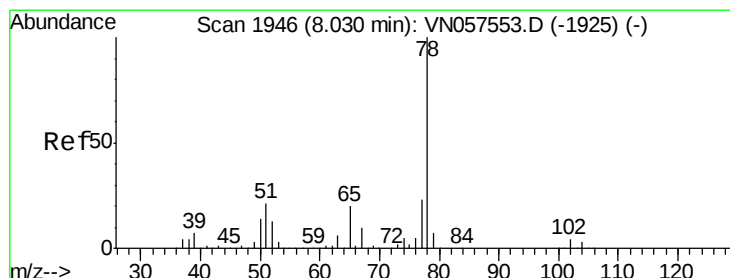
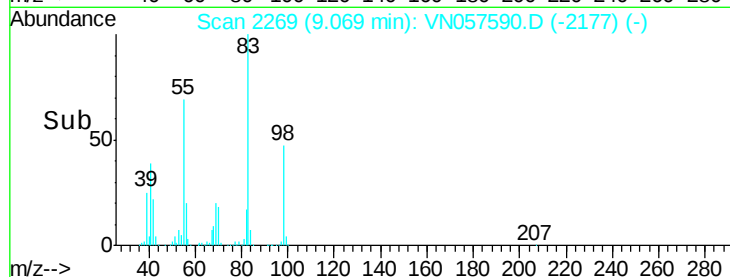
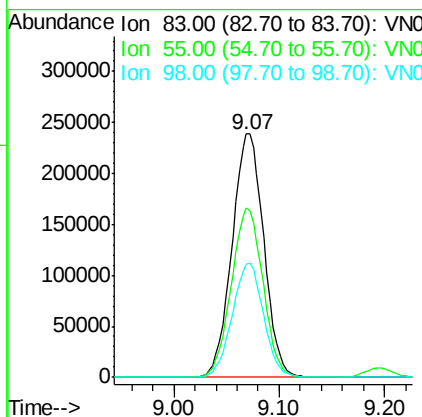
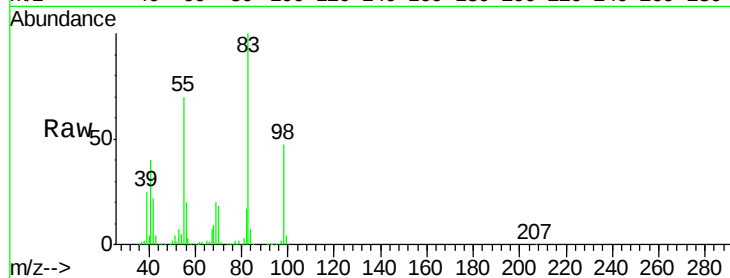
#39  
Methvlcvclohexane  
Concen: 50.111 ug/l  
RT: 9.07 min Scan# 2269  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 69.5  | 68.6  | 102.8 |
| 98      | 46.6  | 36.6  | 54.8  |

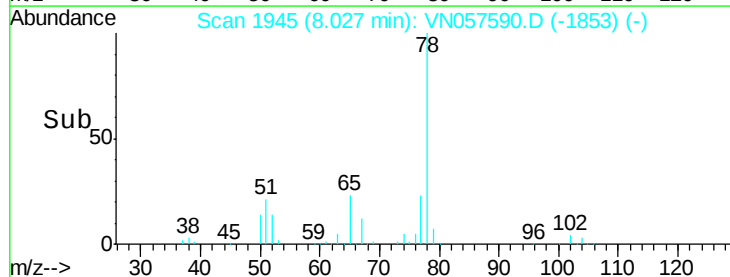
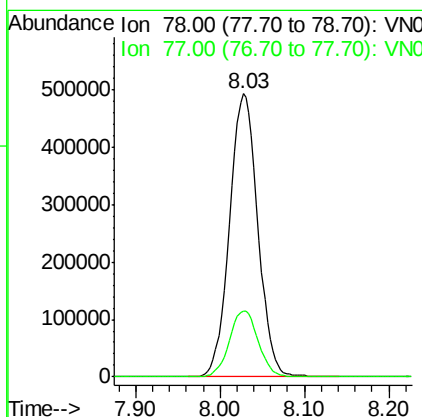
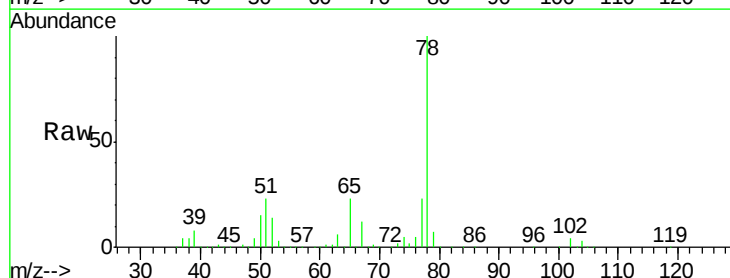
Manual Integrations  
APPROVED

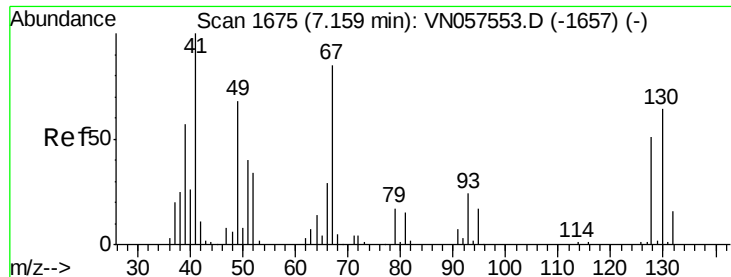
MMDadoda  
8/31/2019 11:28:38 AM



#40  
Benzene  
Concen: 48.073 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.4  | 18.5  | 27.7  |





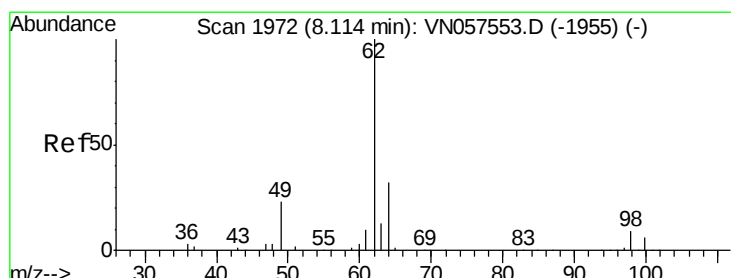
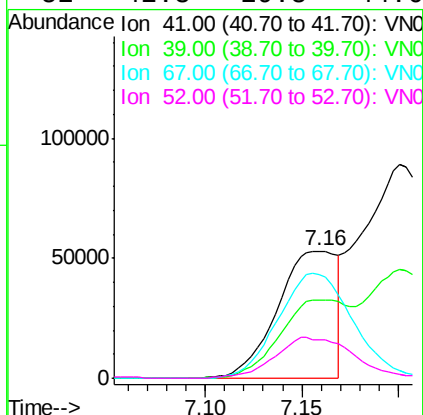
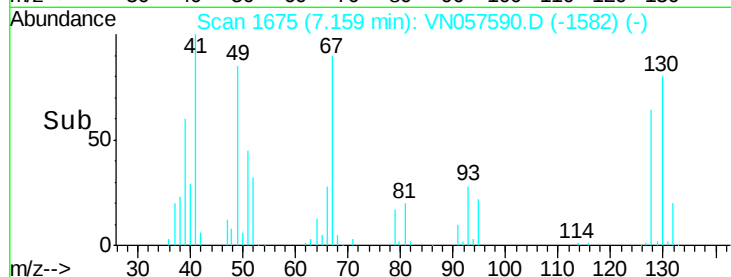
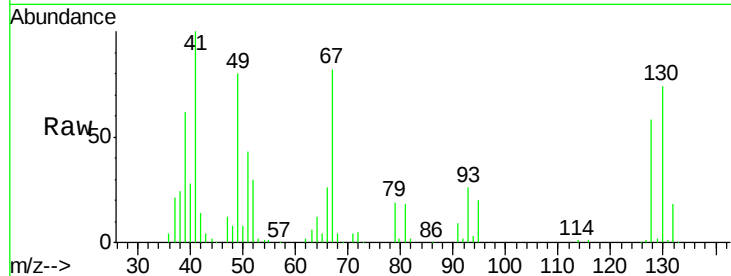
#41  
Methacrylonitrile  
Concen: 48.033 ug/l  
RT: 7.16 min Scan# 1675  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 113516 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 69.9  | 53.6  | 80.4   |
| 67       | 105.4 | 65.4  | 98.2#  |
| 52       | 42.8  | 29.8  | 44.6   |

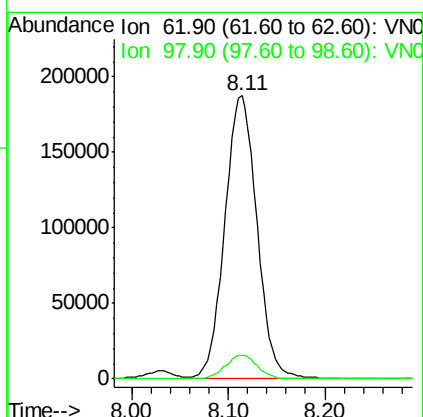
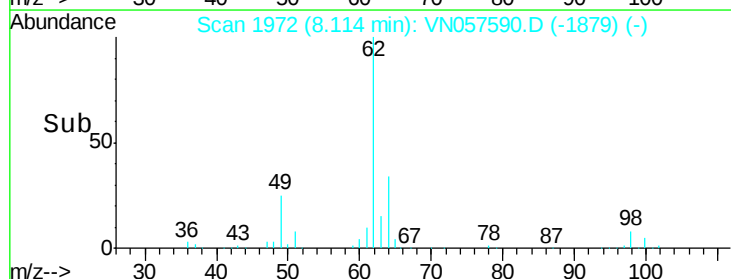
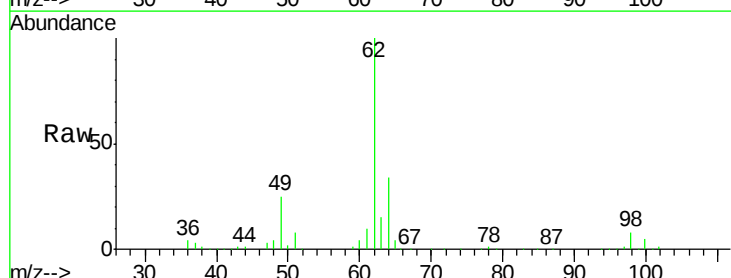
Manual Integrations  
APPROVED

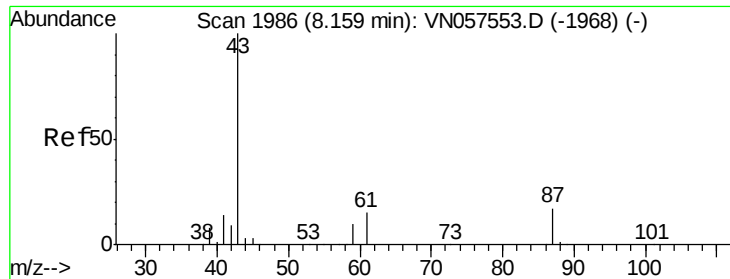
MMDadoda  
8/31/2019 11:28:38 AM



#42  
1,2-Dichloroethane  
Concen: 50.667 ug/l  
RT: 8.11 min Scan# 1972  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 431017 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.3   | 0.0   | 15.4   |





#43

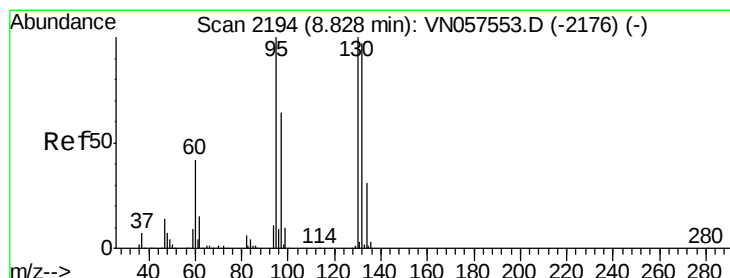
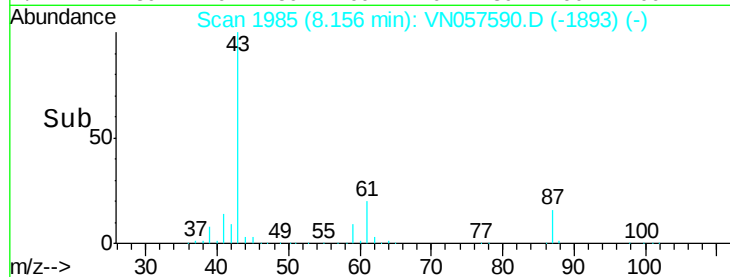
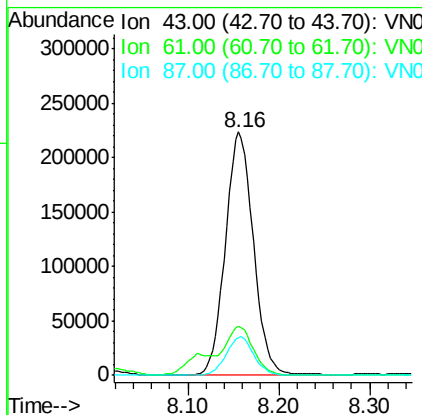
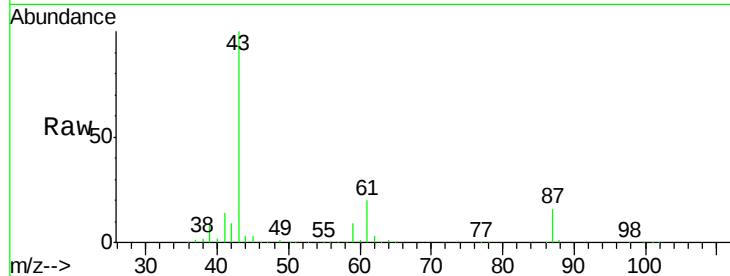
Isopropyl Acetate  
 Concen: 49.392 ug/l  
 RT: 8.16 min Scan# 1985  
 Delta R.T. -0.00 min  
 Lab File: VN057590.D  
 Acq: 30 Aug 2019 15:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 20.0  | 14.5  | 21.7  |
| 87      | 15.8  | 8.6   | 12.8  |

Manual Integrations  
 APPROVED

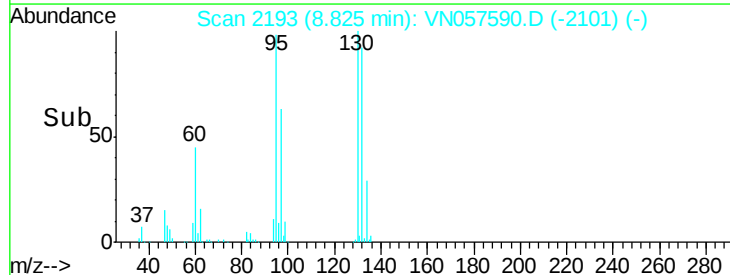
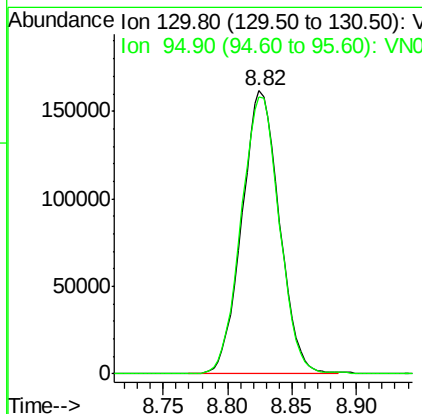
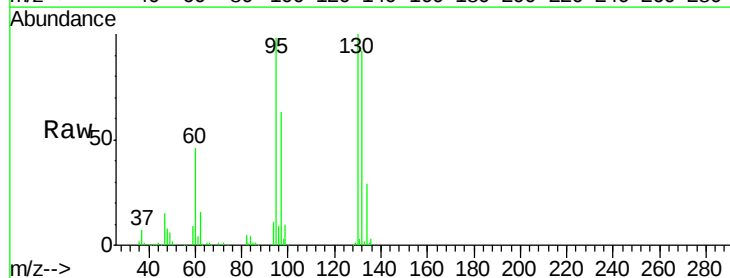
MMDadoda  
 8/31/2019 11:28:38 AM

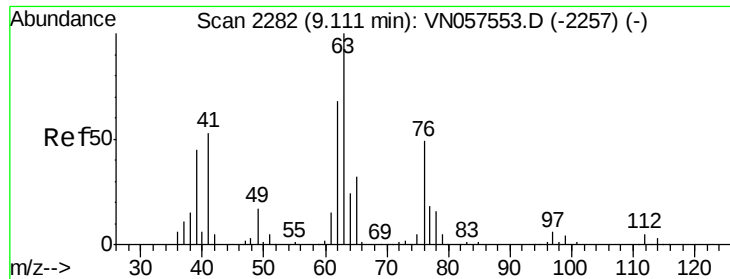


#44

Trichloroethene  
 Concen: 49.589 ug/l  
 RT: 8.82 min Scan# 2193  
 Delta R.T. -0.00 min  
 Lab File: VN057590.D  
 Acq: 30 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 98.1  | 0.0   | 231.6 |





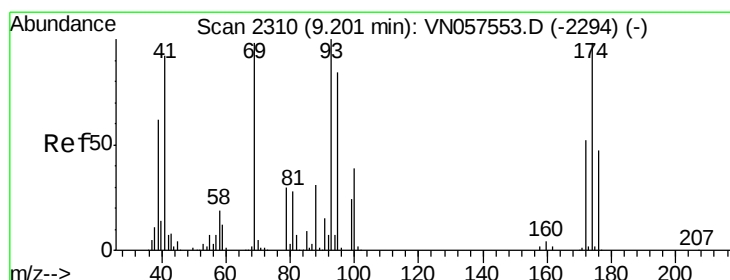
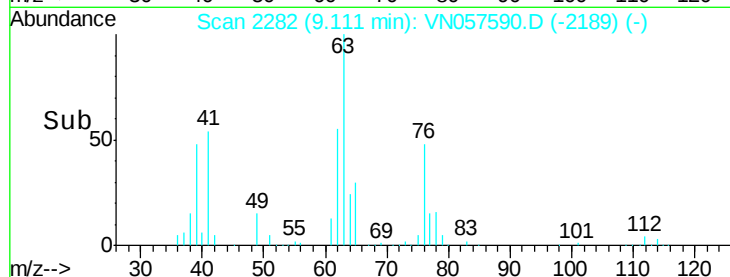
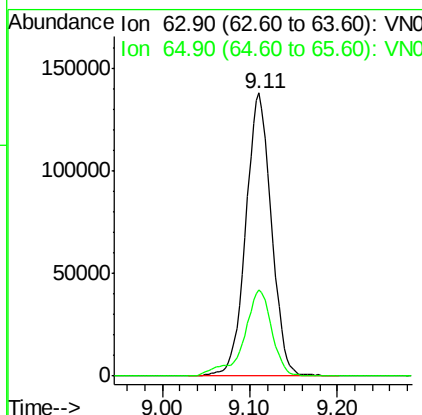
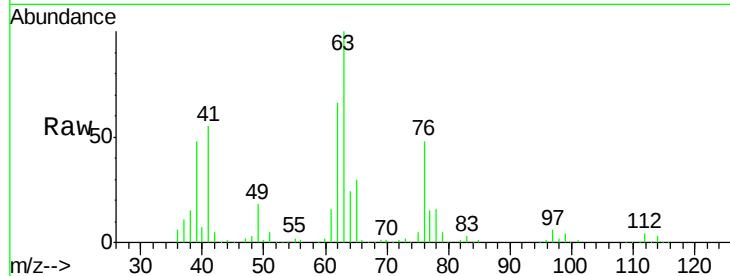
#45  
 1,2-Dichloropropane  
 Concen: 50.224 ug/l  
 RT: 9.11 min Scan# 2282  
 Delta R.T. -0.00 min  
 Lab File: VN057590.D  
 Acq: 30 Aug 2019 15:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 63 Resp: 280494  
 Ion Ratio Lower Upper  
 63 100  
 65 30.5 24.7 37.1

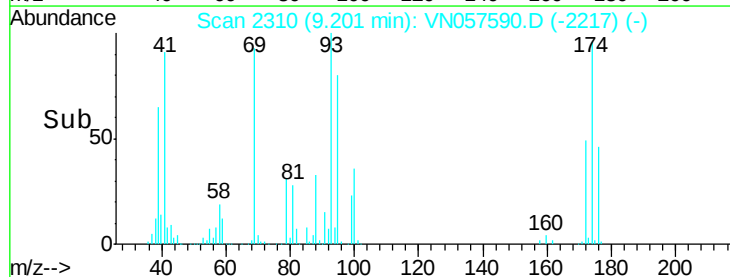
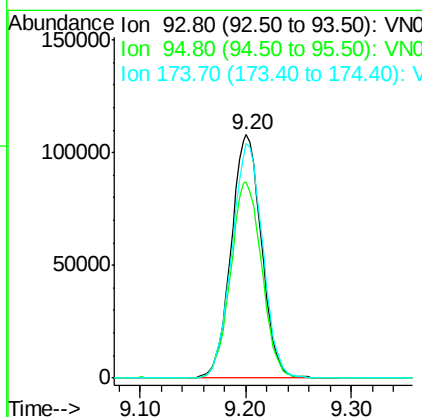
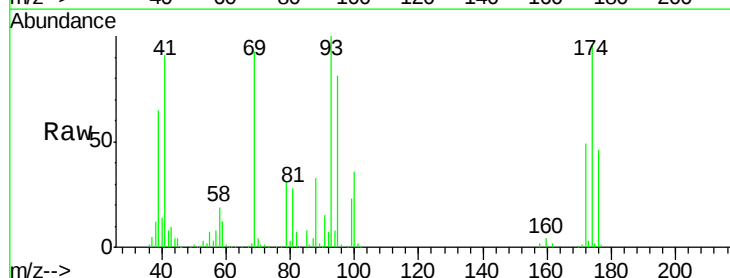
Manual Integrations  
 APPROVED

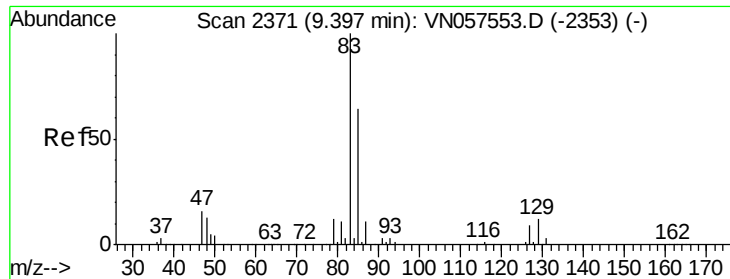
MMDadoda  
 8/31/2019 11:28:38 AM



#46  
 Dibromomethane  
 Concen: 49.016 ug/l  
 RT: 9.20 min Scan# 2310  
 Delta R.T. -0.00 min  
 Lab File: VN057590.D  
 Acq: 30 Aug 2019 15:41

Tgt Ion: 93 Resp: 214664  
 Ion Ratio Lower Upper  
 93 100  
 95 82.6 64.7 97.1  
 174 98.0 62.3 93.5#





#47

Bromodichloromethane

Concen: 48.481 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

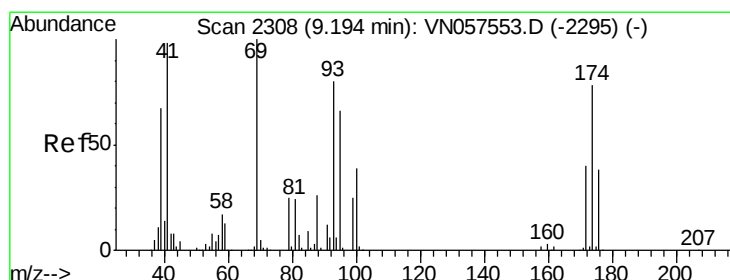
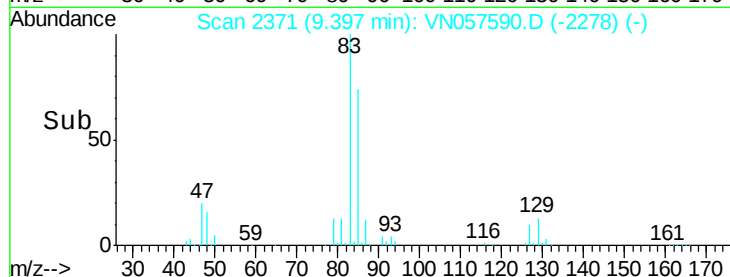
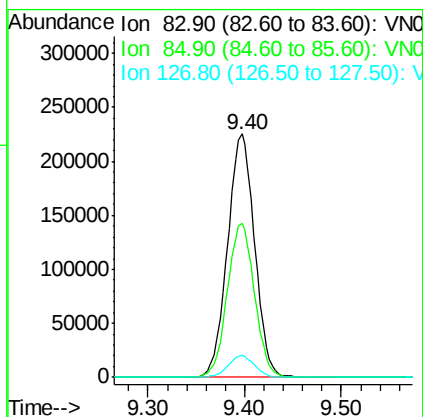
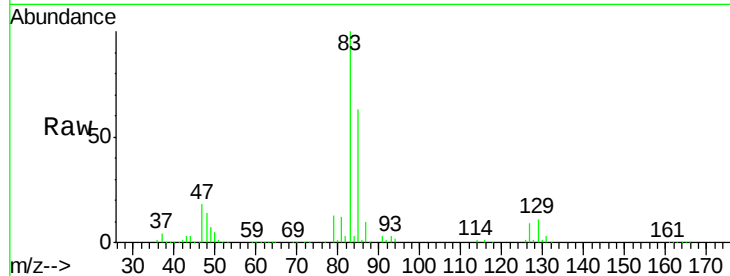
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 437727 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.3  | 51.2  | 76.8   |
| 127       | 8.9   | 6.6   | 10.0   |

Manual Integrations  
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MMDadoda  
8/31/2019 11:28:38 AM



#48

Methyl methacrylate

Concen: 48.491 ug/l

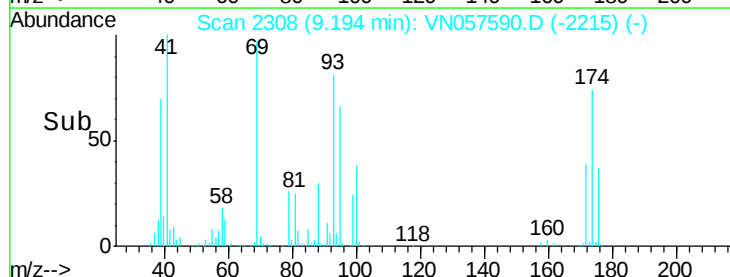
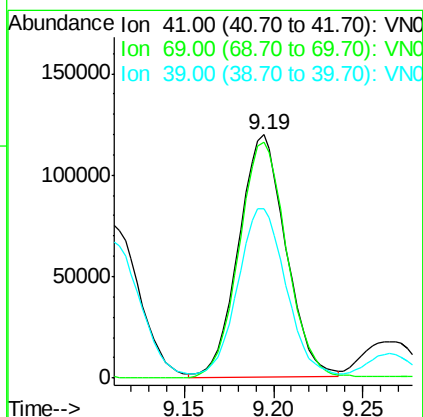
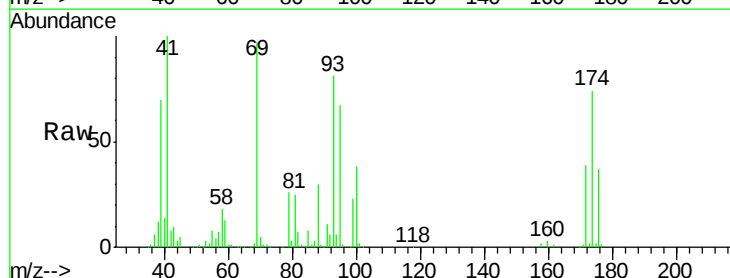
RT: 9.19 min Scan# 2308

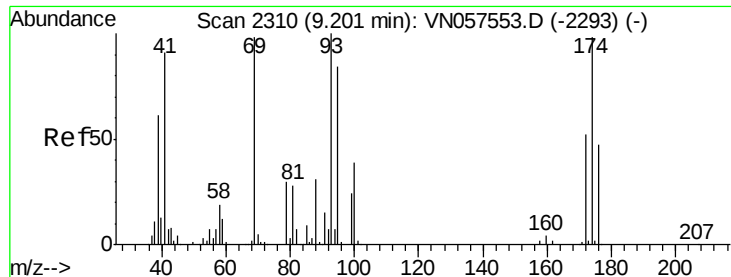
Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 221037 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 98.9  | 59.3  | 88.9#  |
| 39        | 71.3  | 50.6  | 75.8   |





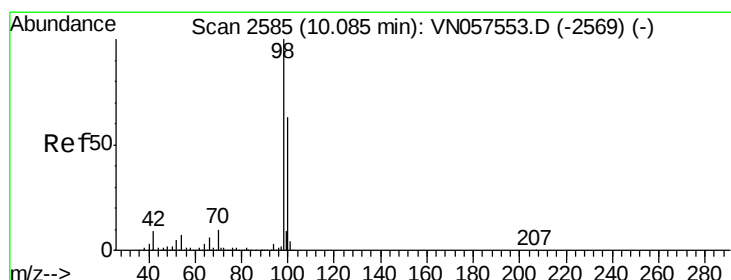
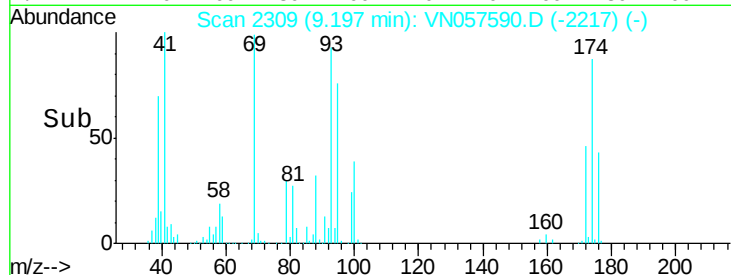
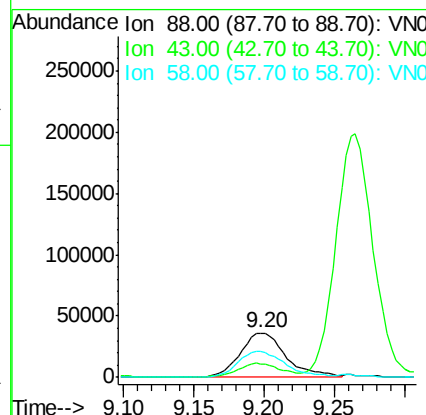
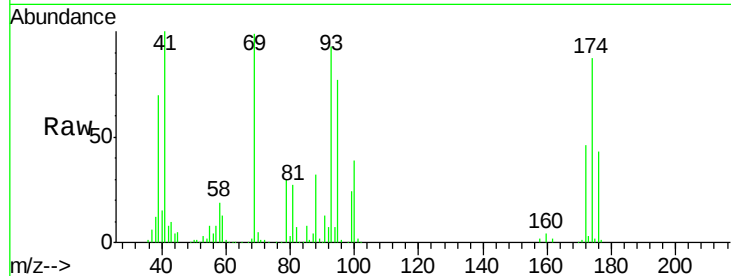
#49  
1,4-Dioxane  
Concen: 998.126 ug/l  
RT: 9.20 min Scan# 2309  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 88    | Resp  | 83030 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 28.1  | 31.0  | 46.6# |
| 58        | 60.5  | 64.5  | 96.7# |

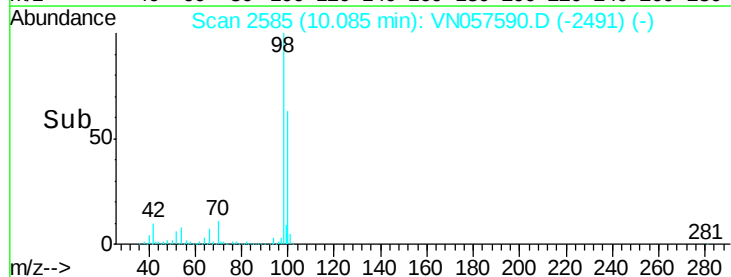
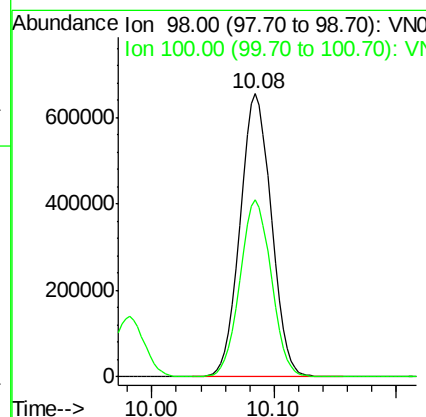
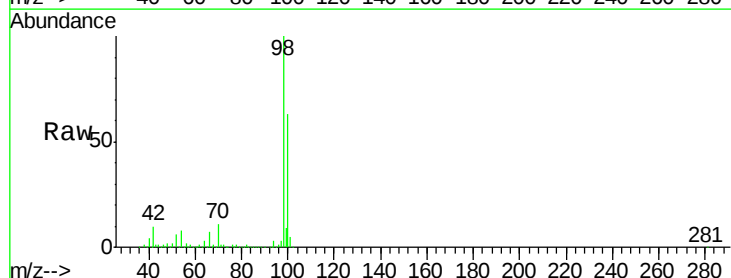
Manual Integrations  
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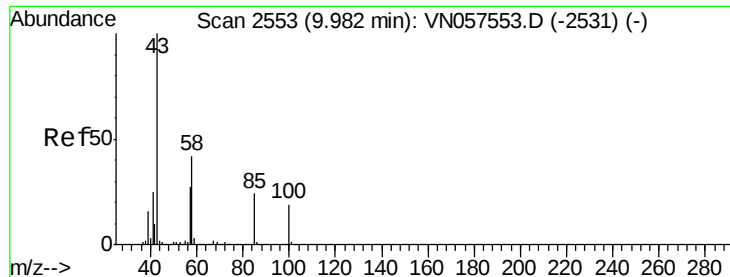
MMDadoda  
8/31/2019 11:28:38 AM



#50  
Toluene-d8  
Concen: 50.981 ug/l  
RT: 10.08 min Scan# 2585  
Delta R.T. 0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

| Tgt Ion   | 98    | Resp  | 1162819 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 98        | 100   |       |         |
| 100       | 62.6  | 50.4  | 75.6    |





#51

4-Methyl-2-Pentanone

Concen: 265.089 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1367412

Ion Ratio Lower Upper

43 100

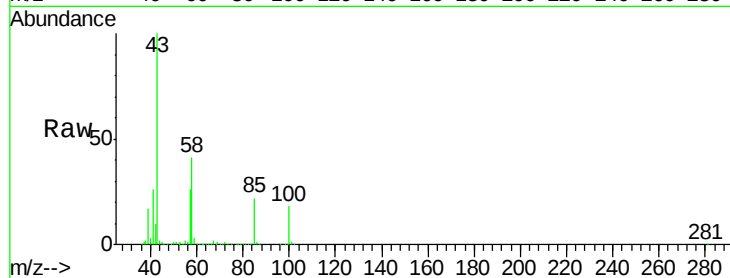
58 40.4 27.9 41.9

Manual Integrations

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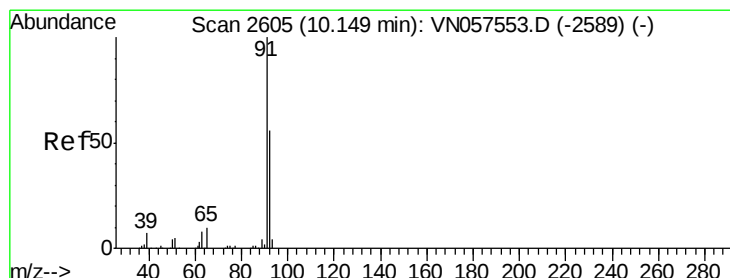
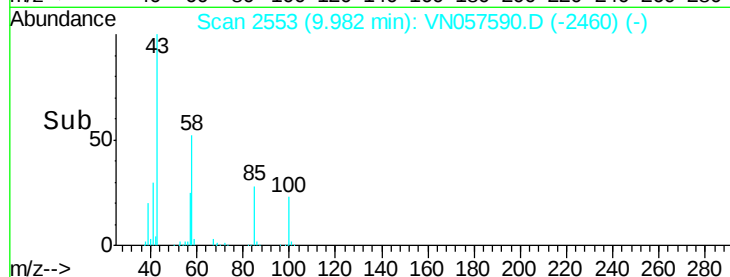
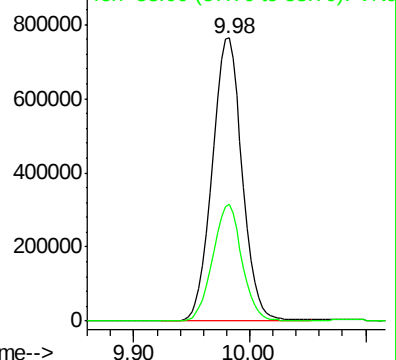
MMDadoda

8/31/2019 11:28:38 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.027 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057590.D

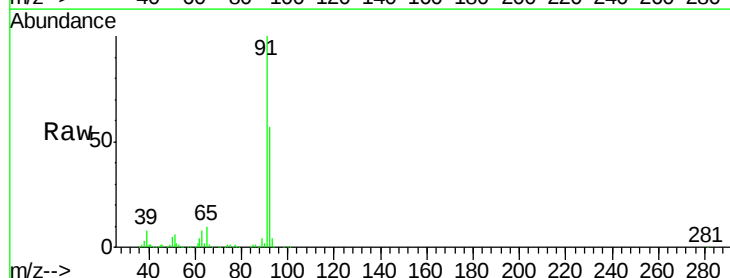
Acq: 30 Aug 2019 15:41

Tgt Ion: 92 Resp: 790104

Ion Ratio Lower Upper

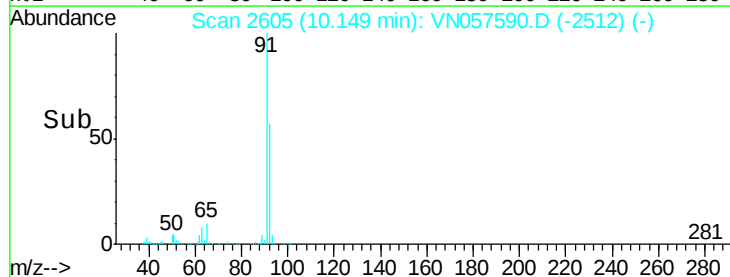
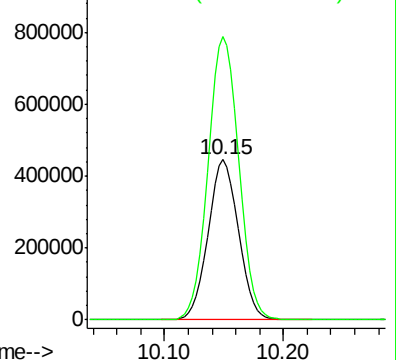
92 100

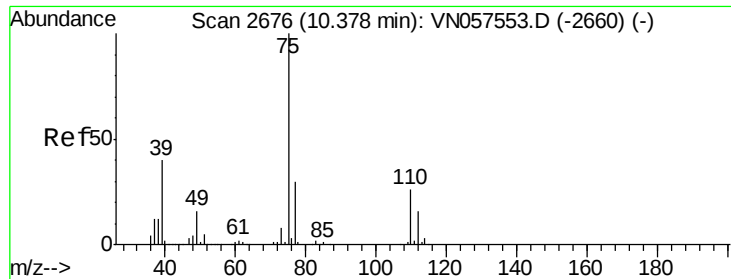
91 178.6 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





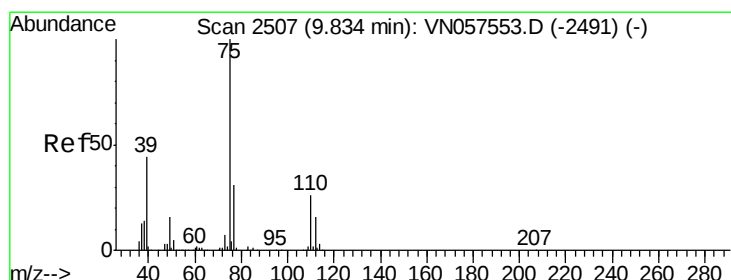
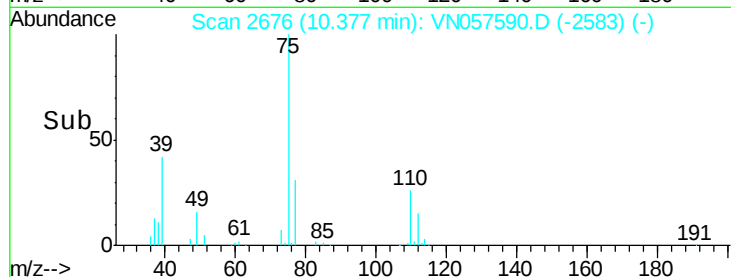
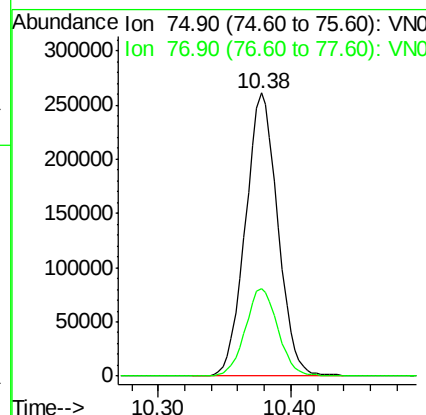
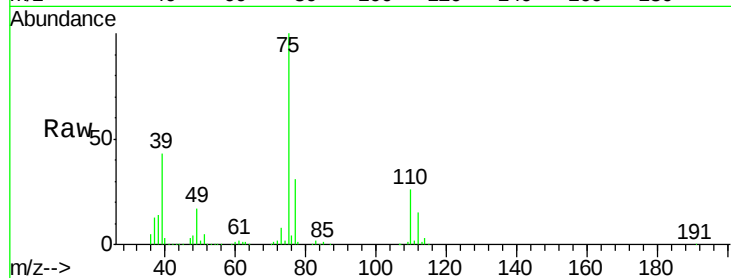
#53  
 t-1,3-Dichloropropene  
 Concen: 50.687 ug/l  
 RT: 10.38 min Scan# 2676  
 Delta R.T. -0.00 min  
 Lab File: VN057590.D  
 Acq: 30 Aug 2019 15:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 75 Resp: 442264  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 25.0 37.6

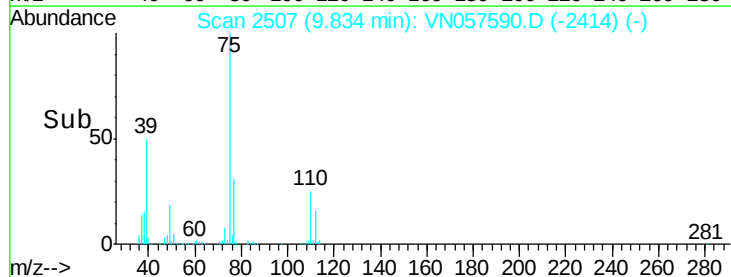
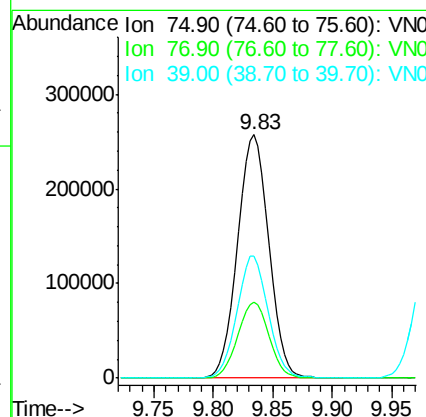
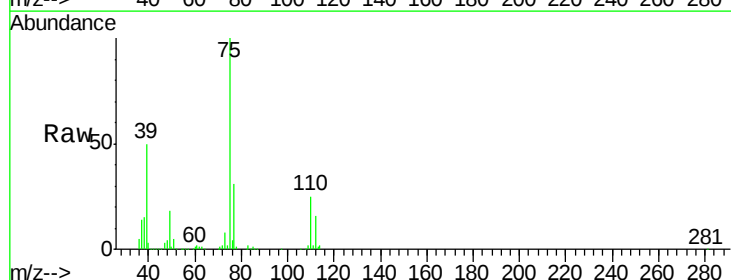
Manual Integrations  
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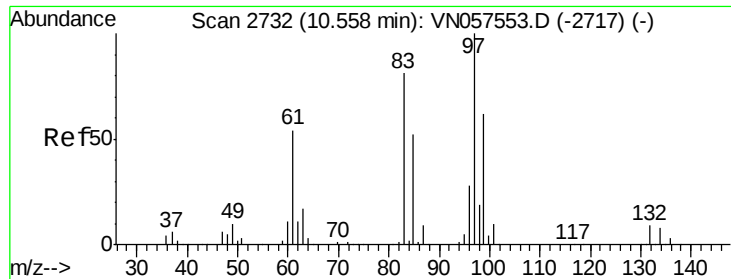
MMDadoda  
 8/31/2019 11:28:38 AM



#54  
 cis-1,3-Dichloropropene  
 Concen: 49.656 ug/l  
 RT: 9.83 min Scan# 2507  
 Delta R.T. -0.00 min  
 Lab File: VN057590.D  
 Acq: 30 Aug 2019 15:41

Tgt Ion: 75 Resp: 469278  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 25.0 37.6  
 39 50.0 49.2 73.8





#55

1,1,2-Trichloroethane

Concen: 49.850 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

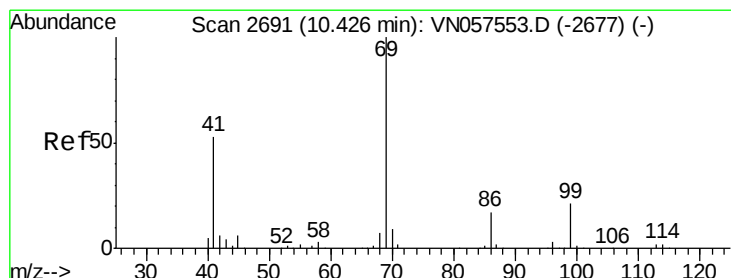
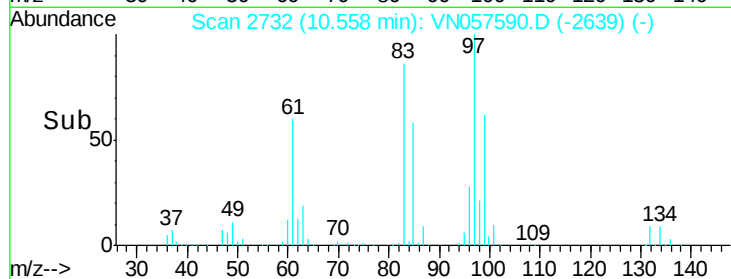
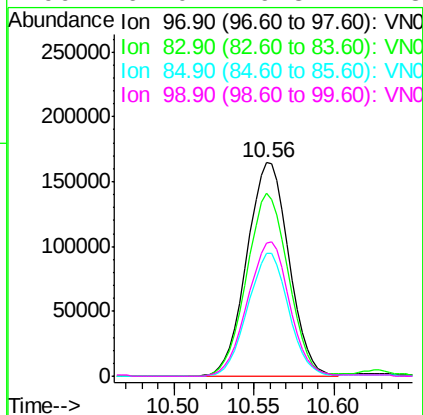
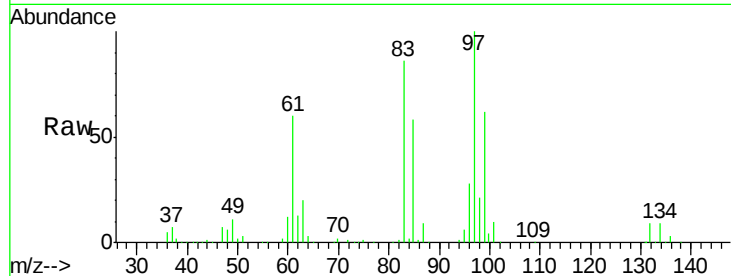
ClientSampled :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 296869 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.5  | 73.7  | 110.5  |
| 85       | 57.7  | 46.8  | 70.2   |
| 99       | 62.0  | 49.8  | 74.8   |

Manual Integrations  
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8/31/2019 11:28:38 AM



#56

Ethyl methacrylate

Concen: 52.135 ug/l

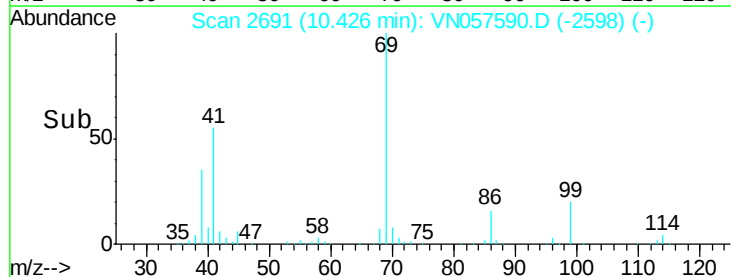
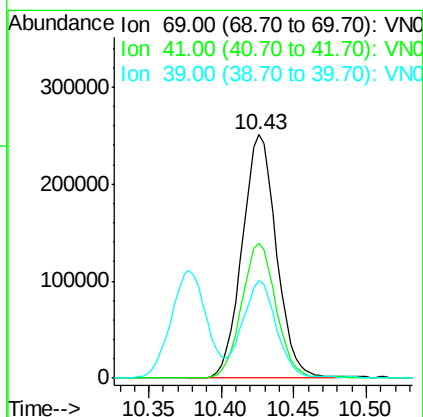
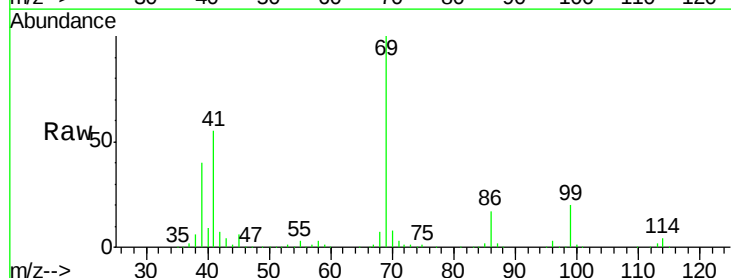
RT: 10.43 min Scan# 2691

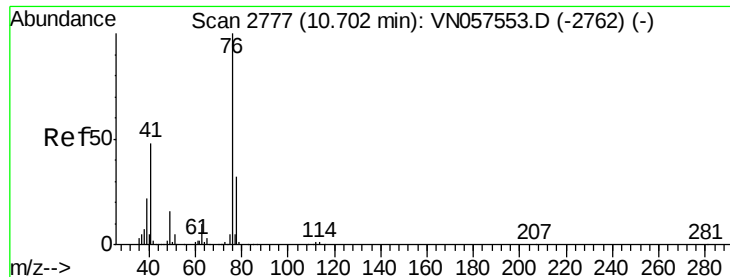
Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 413253 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 54.9  | 60.8  | 91.2#  |
| 39       | 38.7  | 36.5  | 54.7   |





#57

1,3-Dichloropropane

Concen: 50.736 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 482670

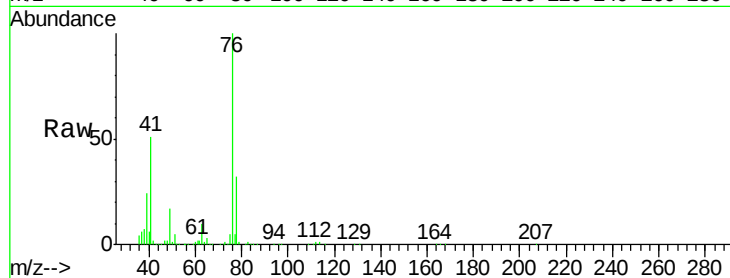
Ion Ratio Lower Upper

76 100

78 32.1 25.5 38.3

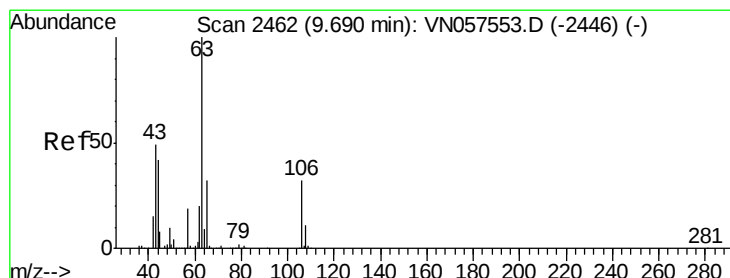
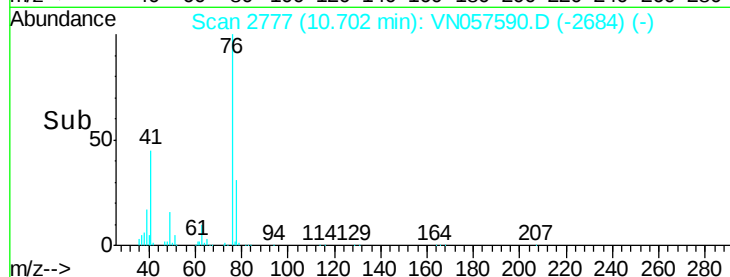
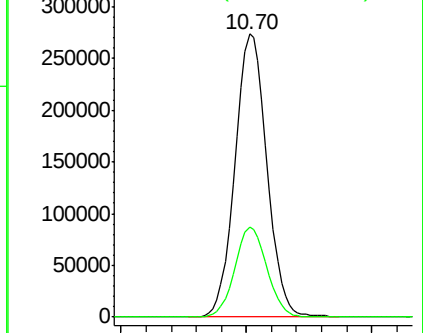
Manual Integrations  
APPROVED

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8/31/2019 11:28:38 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 292.897 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057590.D

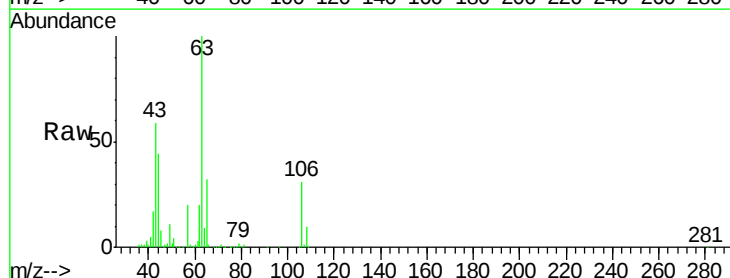
Acq: 30 Aug 2019 15:41

Tgt Ion: 63 Resp: 544702

Ion Ratio Lower Upper

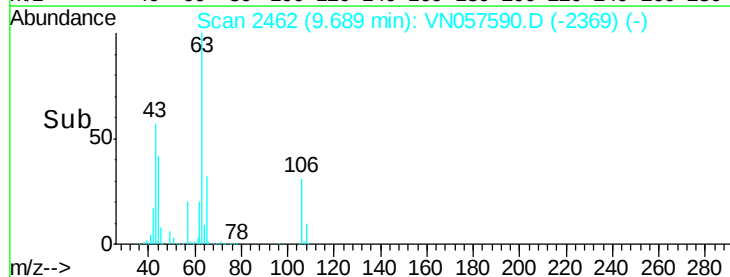
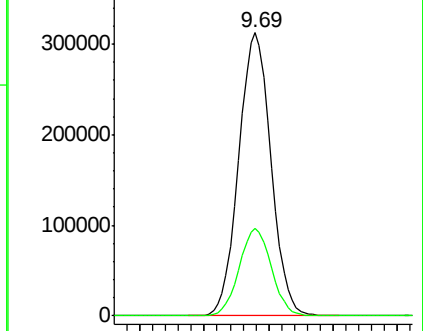
63 100

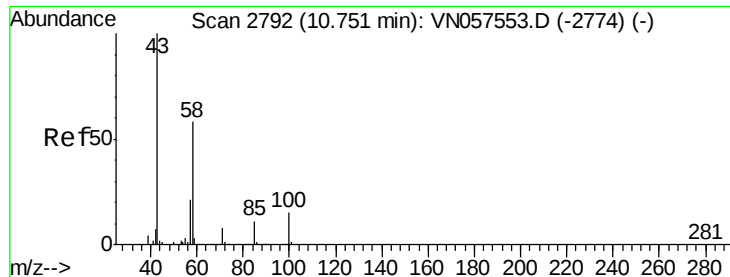
106 30.8 18.6 27.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





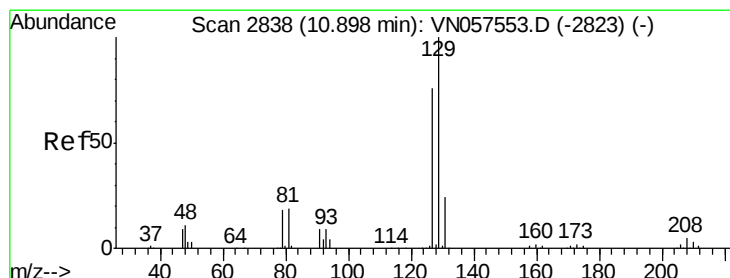
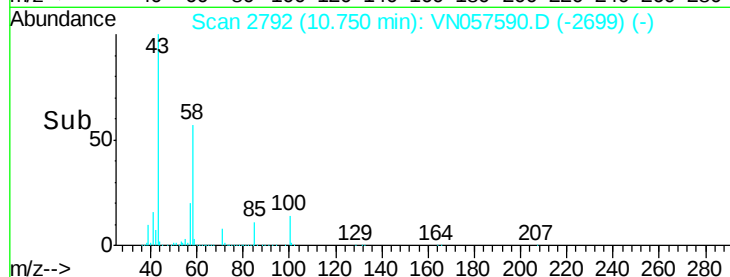
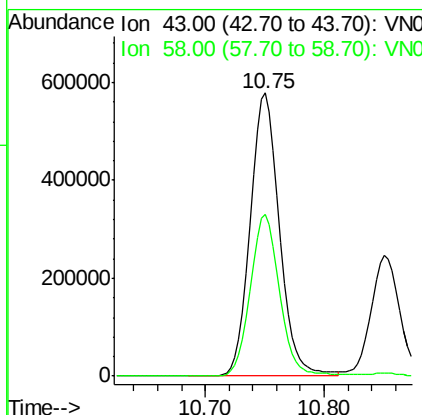
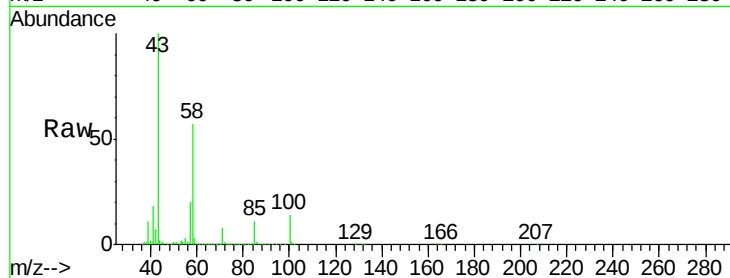
#59  
2-Hexanone  
Concen: 275.758 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 57.1  | 24.6  | 73.6  |

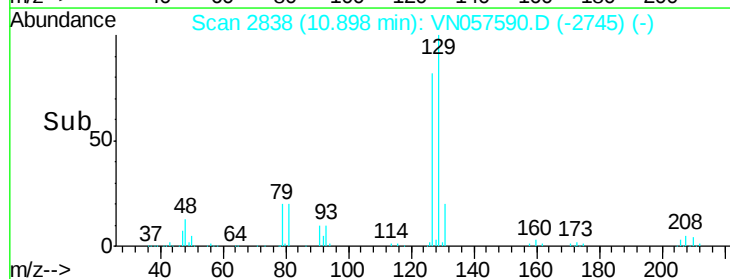
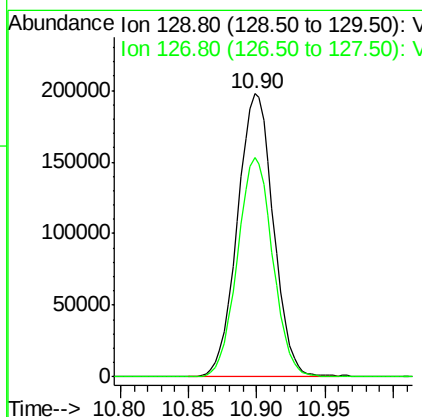
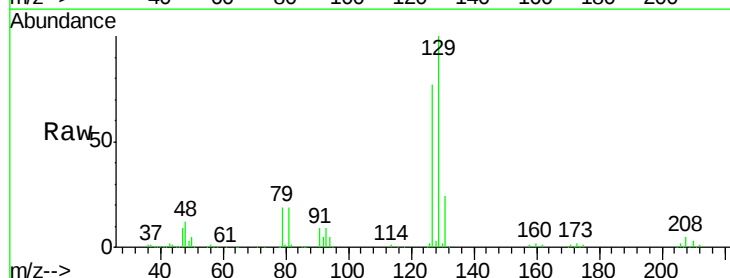
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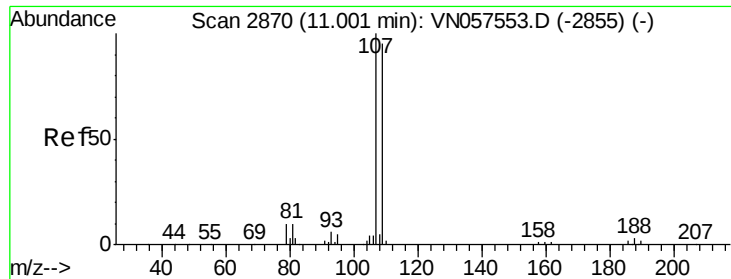
MMDadoda  
8/31/2019 11:28:38 AM



#60  
Dibromochloromethane  
Concen: 53.319 ug/l  
RT: 10.90 min Scan# 2838  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 76.1  | 39.0  | 116.9 |





#61

1,2-Dibromoethane

Concen: 52.690 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 328355

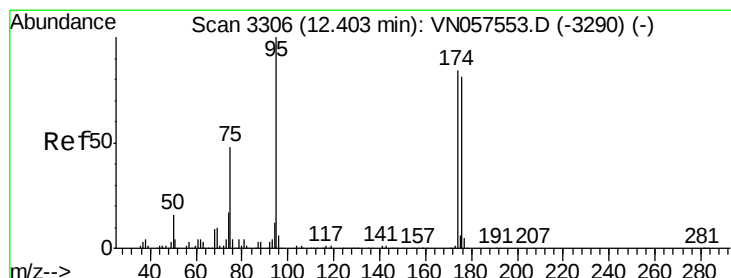
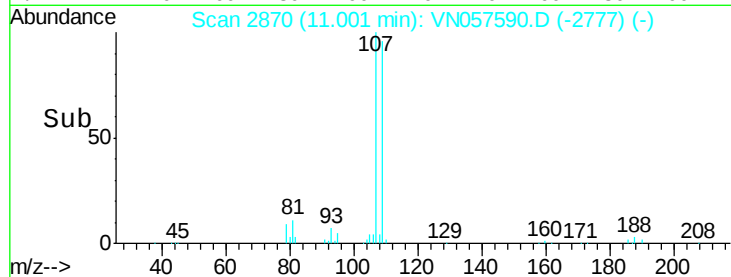
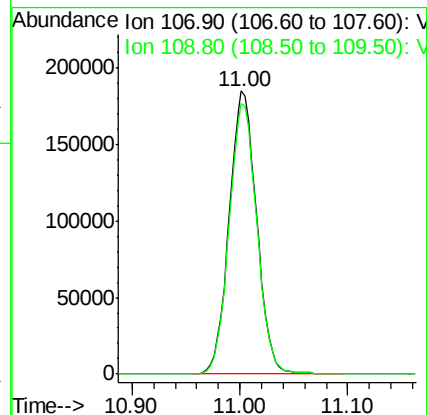
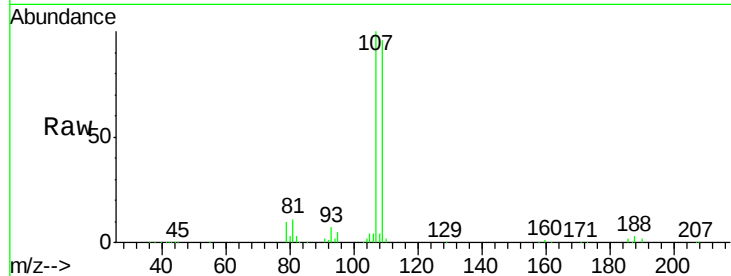
Ion Ratio Lower Upper

107 100

109 96.2 73.8 110.8

Manual Integrations  
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MMDadoda  
8/31/2019 11:28:38 AM



#62

4-Bromofluorobenzene

Concen: 54.231 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

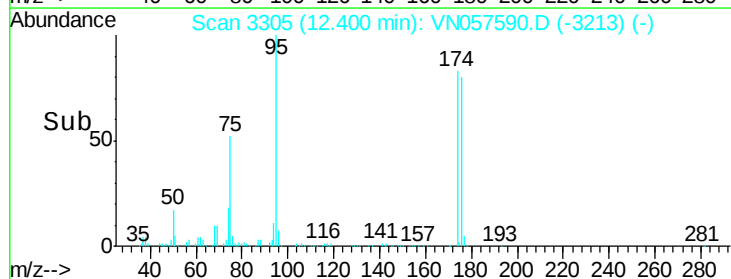
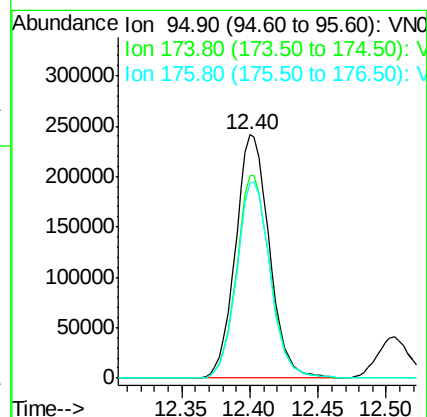
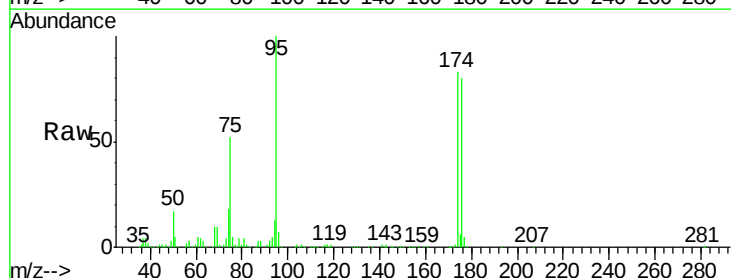
Tgt Ion: 95 Resp: 415217

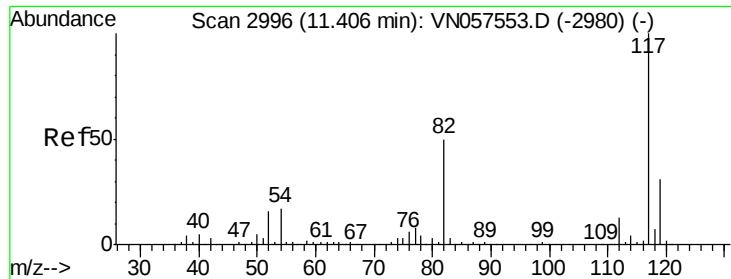
Ion Ratio Lower Upper

95 100

174 82.6 0.0 133.0

176 80.2 0.0 130.8





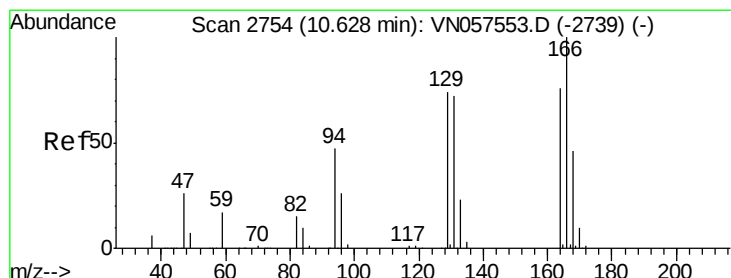
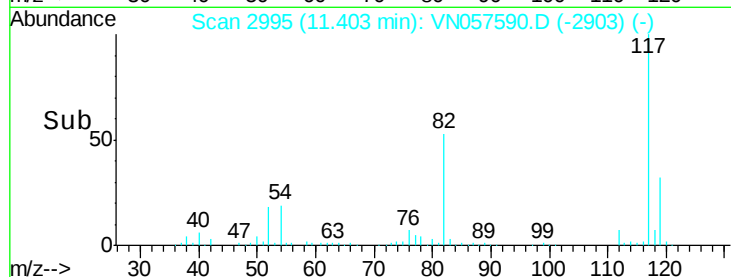
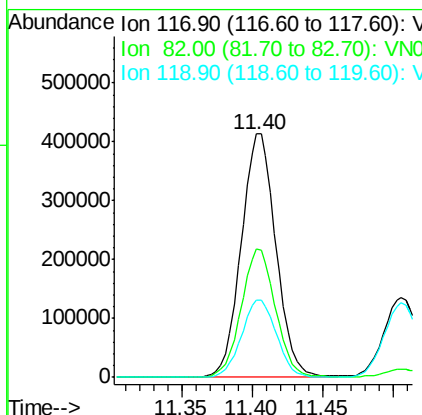
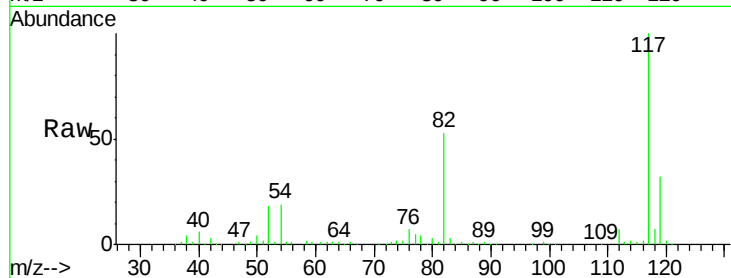
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2995  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.8  | 50.6  | 75.8  |
| 119     | 31.9  | 24.6  | 36.8  |

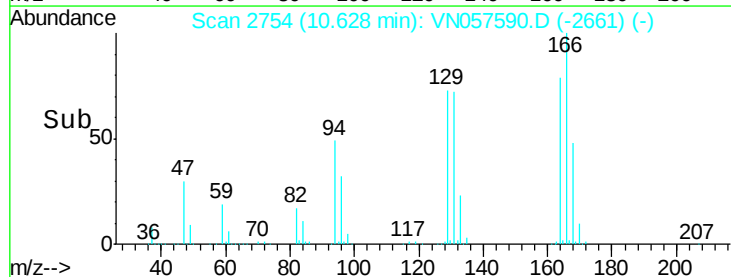
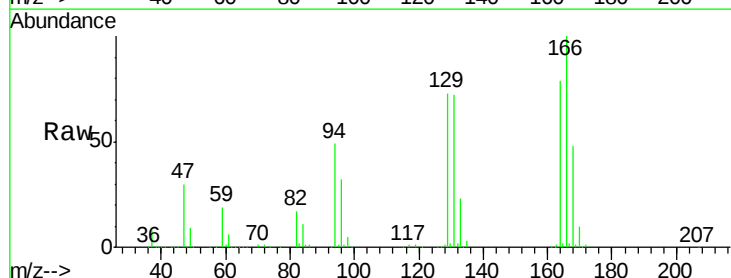
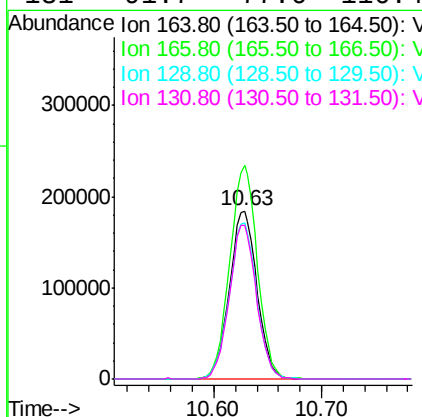
Manual Integrations  
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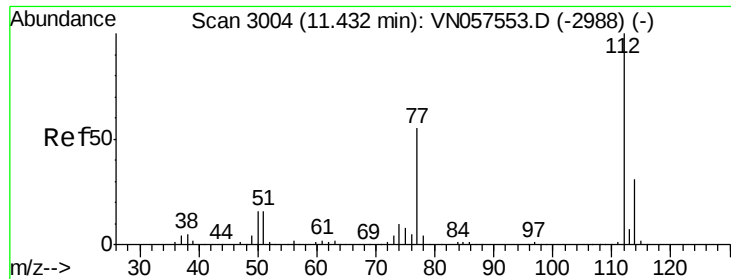
MMDadoda  
8/31/2019 11:28:38 AM



#64  
Tetrachloroethene  
Concen: 44.738 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.1 | 104.4 | 156.6 |
| 129     | 93.0  | 86.6  | 130.0 |
| 131     | 91.7  | 77.6  | 116.4 |





#65

Chlorobenzene

Concen: 50.061 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 897360

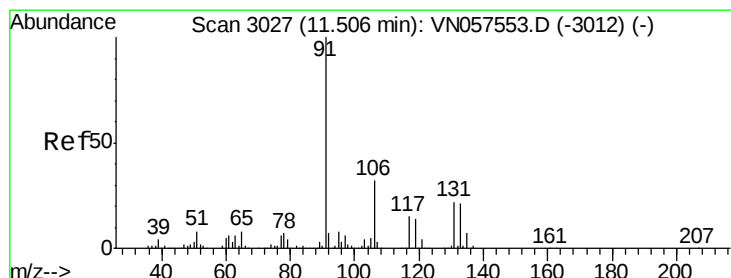
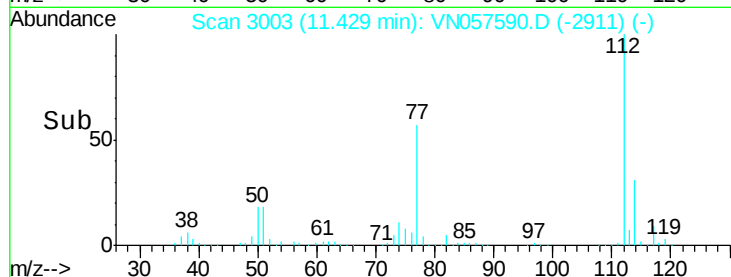
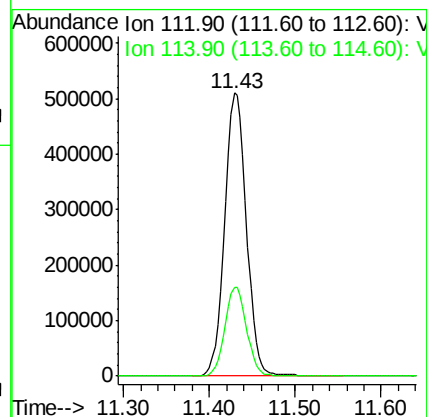
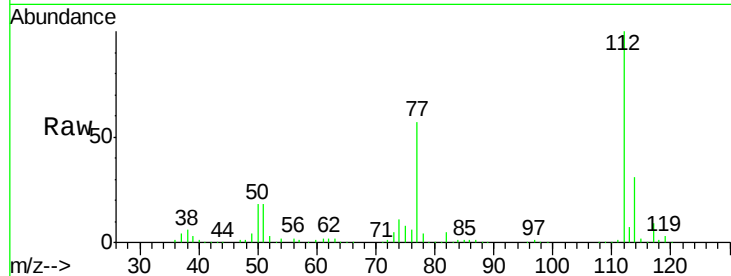
Ion Ratio Lower Upper

112 100

114 31.4 24.8 37.2

Manual Integrations  
APPROVED

MMDadoda  
8/31/2019 11:28:38 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 47.695 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

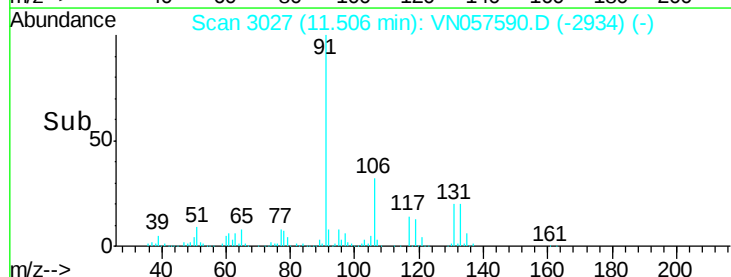
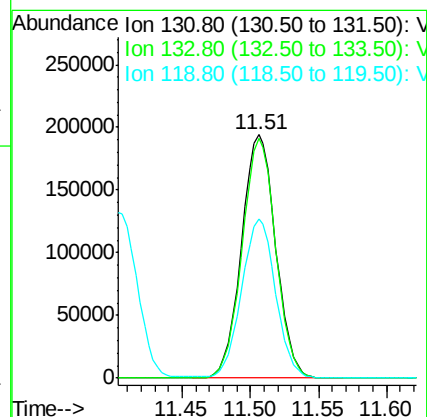
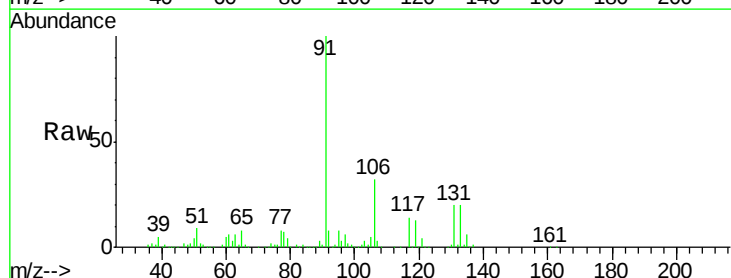
Tgt Ion:131 Resp: 337173

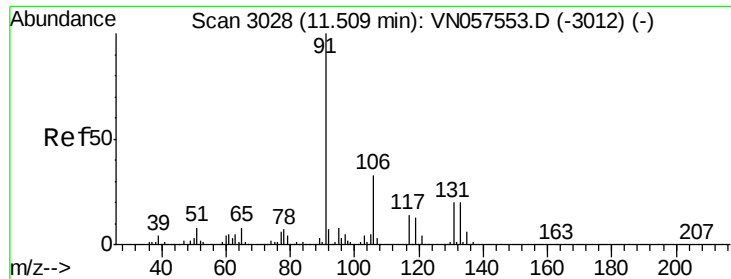
Ion Ratio Lower Upper

131 100

133 96.7 47.6 142.8

119 65.2 34.4 103.2





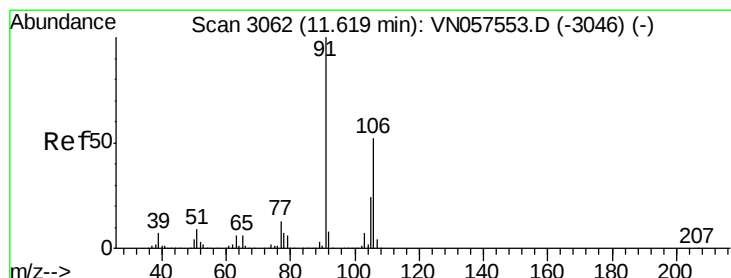
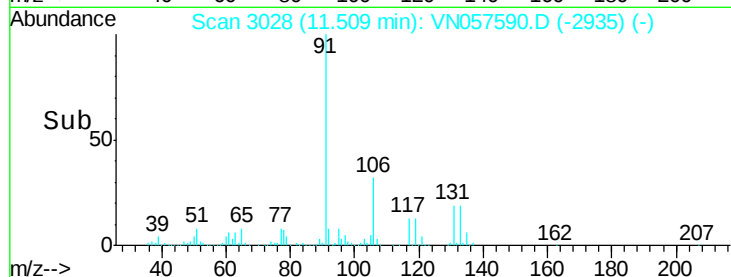
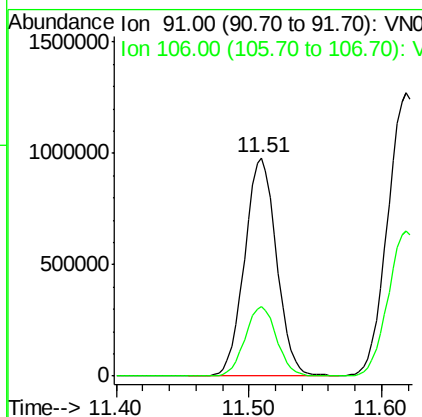
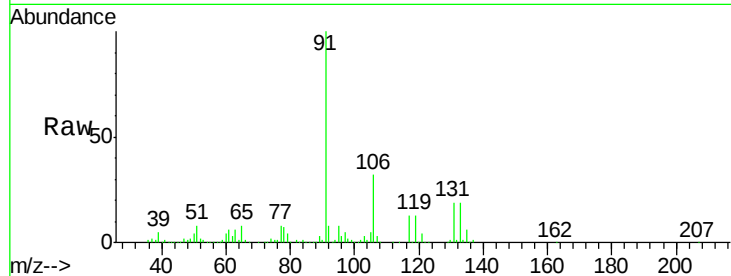
#67  
Ethyl Benzene  
Concen: 52.026 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion: 91 Resp: 1637692  
Ion Ratio Lower Upper  
91 100  
106 31.7 24.1 36.1

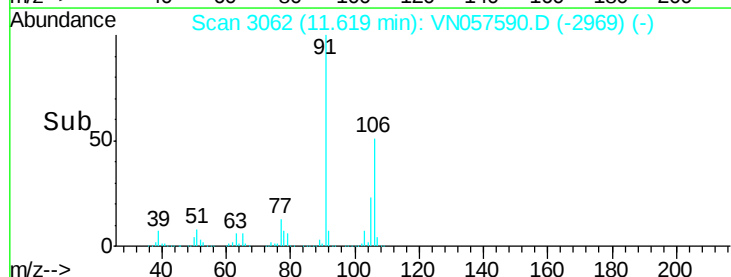
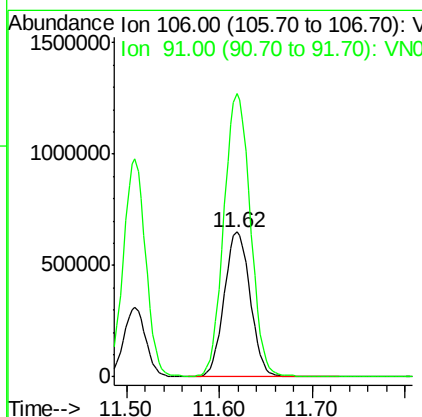
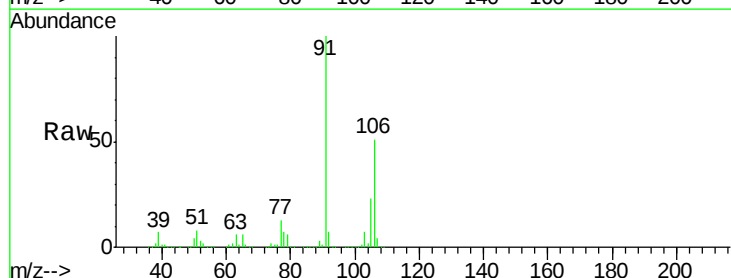
Manual Integrations  
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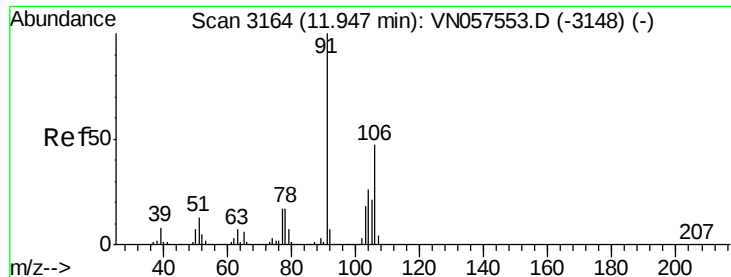
MMDadoda  
8/31/2019 11:28:38 AM



#68  
m/p-Xylenes  
Concen: 105.967 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

Tgt Ion: 106 Resp: 1270443  
Ion Ratio Lower Upper  
106 100  
91 198.8 171.8 257.6





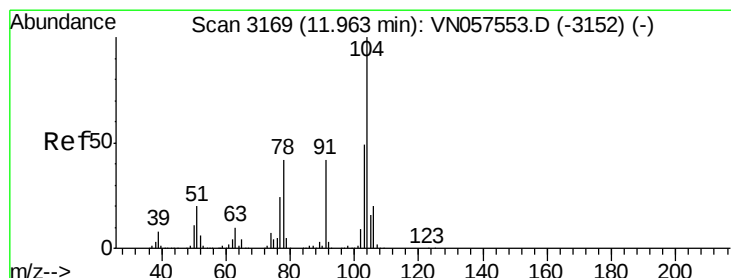
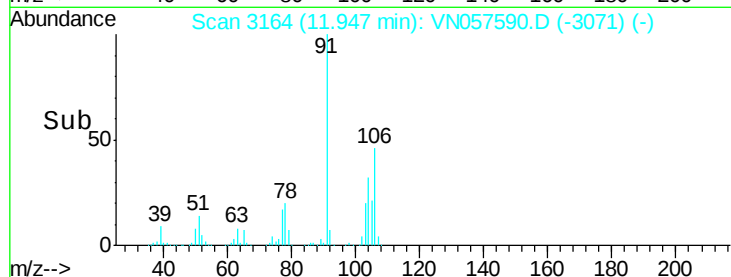
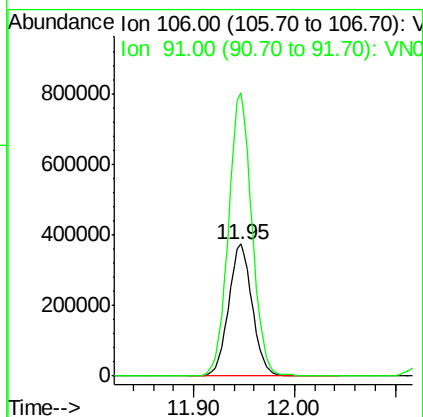
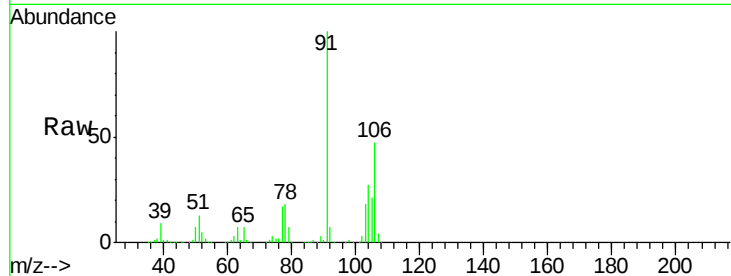
#69  
o-Xylene  
Concen: 50.660 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 213.0 | 112.3 | 336.9 |

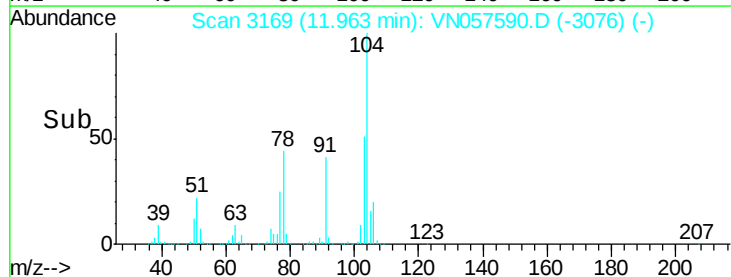
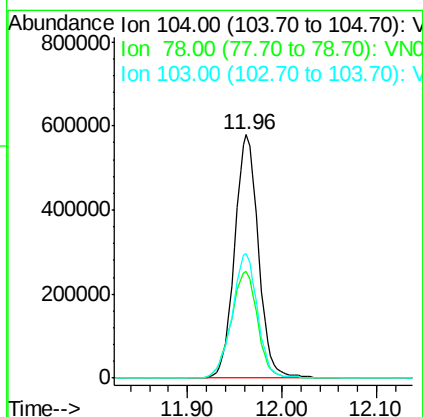
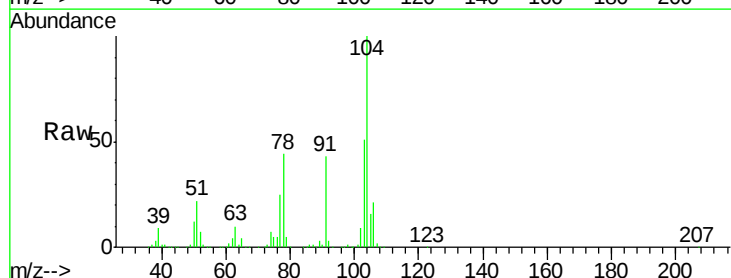
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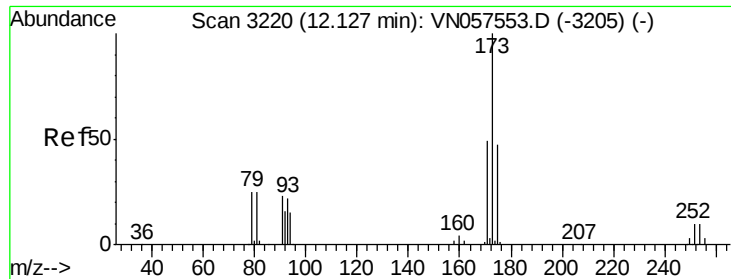
MMDadoda  
8/31/2019 11:28:38 AM



#70  
Styrene  
Concen: 55.588 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 48.9  | 44.7  | 67.1  |
| 103     | 54.5  | 44.4  | 66.6  |





#71

Bromoform

Concen: 47.582 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

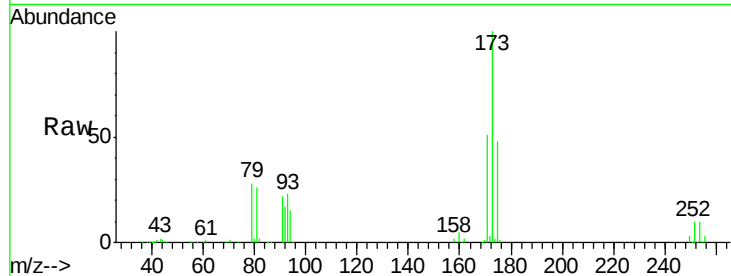
ClientSampleId :

VSTDCCC050

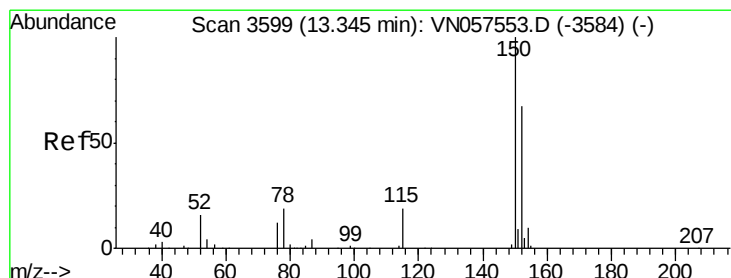
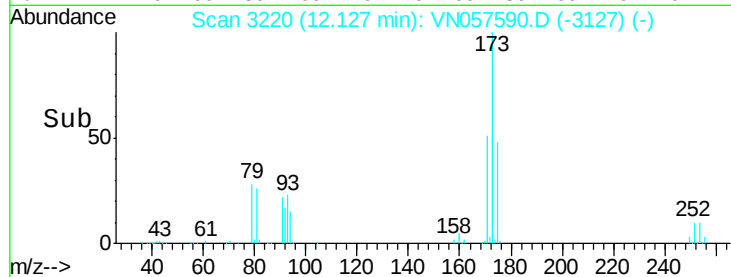
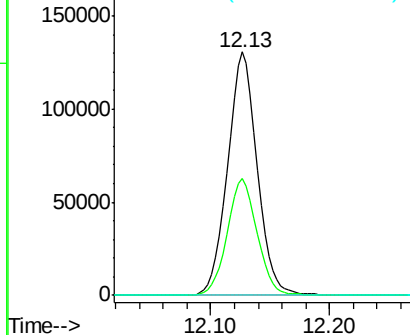
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.6  | 23.9  | 71.8  |
| 254     | 0.1   | 0.1   | 0.1   |

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

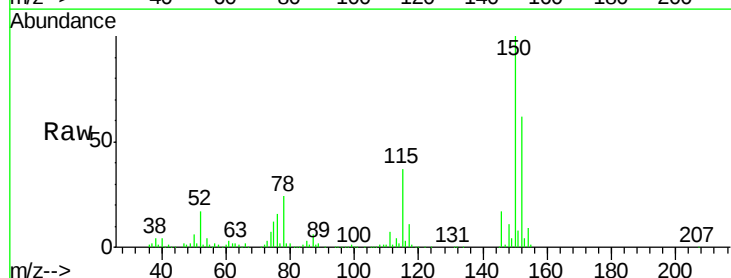
RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

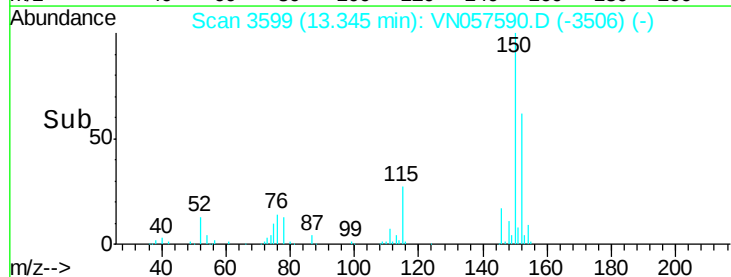
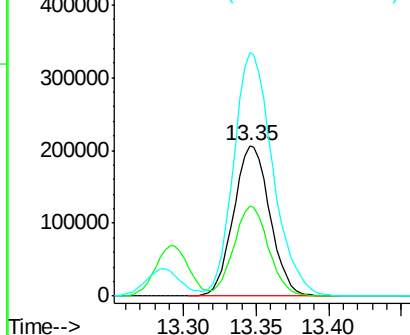
Lab File: VN057590.D

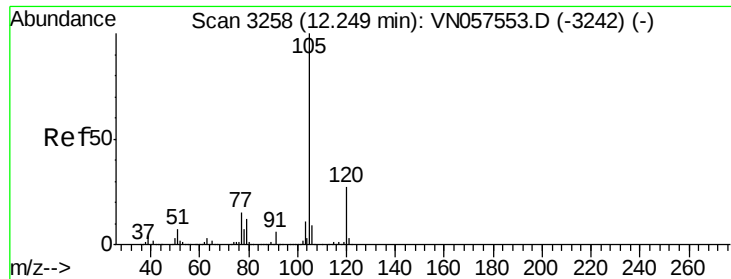
Acq: 30 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.7  | 32.0  | 96.0  |
| 150     | 175.1 | 0.0   | 346.6 |



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: 50.587 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1676762

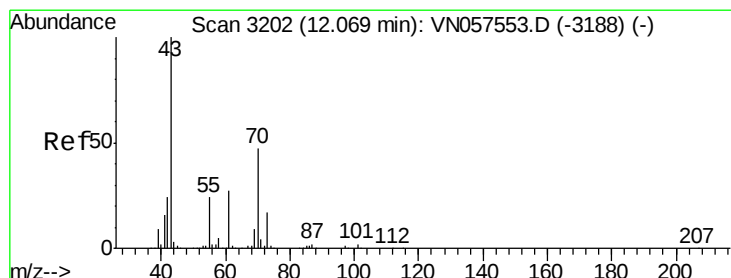
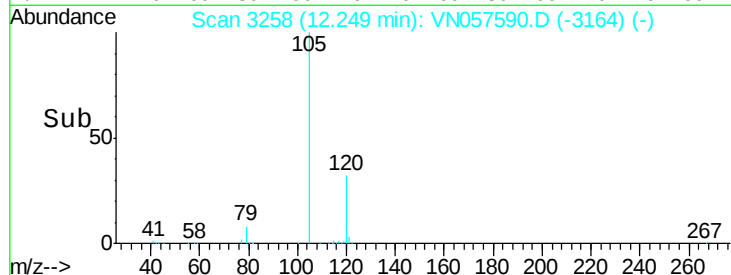
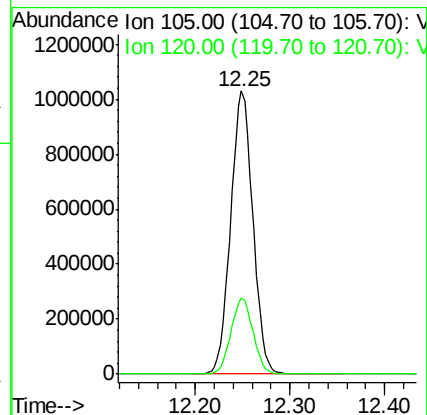
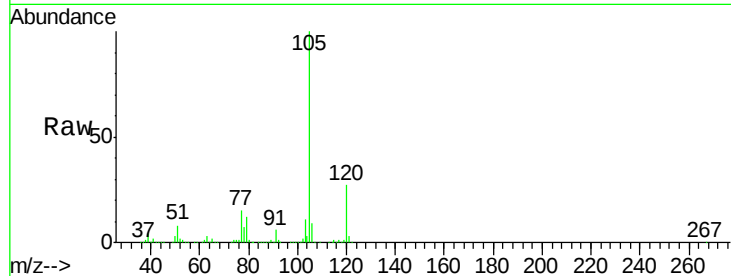
Ion Ratio Lower Upper

105 100

120 26.7 12.7 38.0

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#74

N-ethyl acetate

Concen: 52.830 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Tgt Ion: 43 Resp: 403409

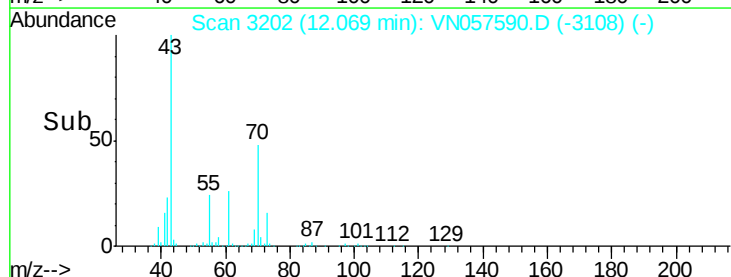
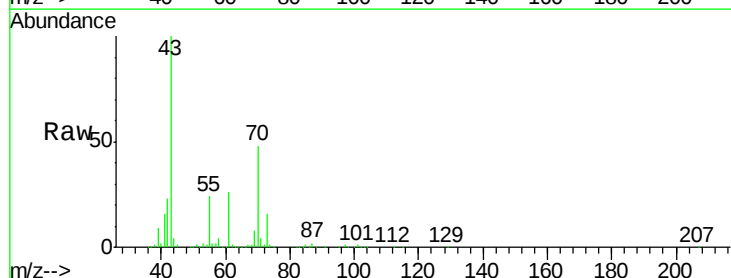
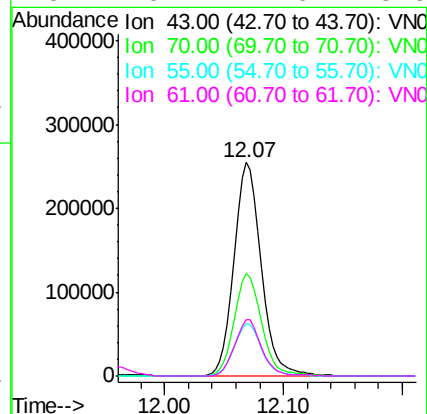
Ion Ratio Lower Upper

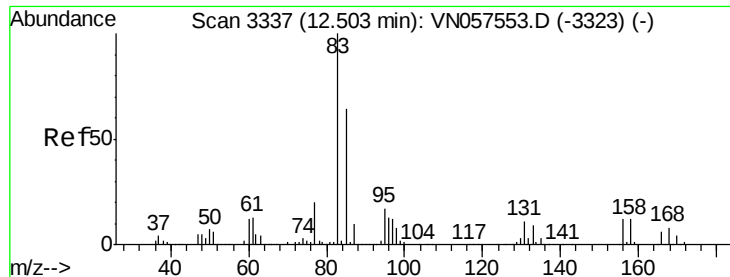
43 100

70 48.6 27.8 41.6#

55 25.0 17.0 25.4

61 26.1 17.0 25.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 52.216 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

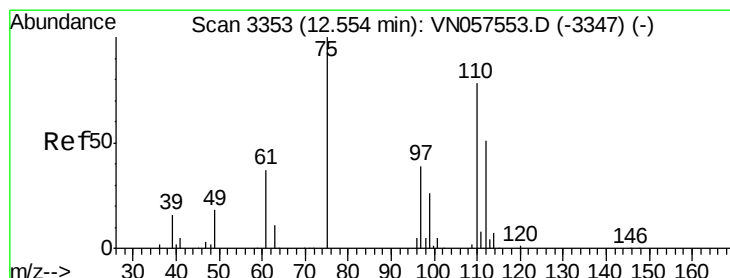
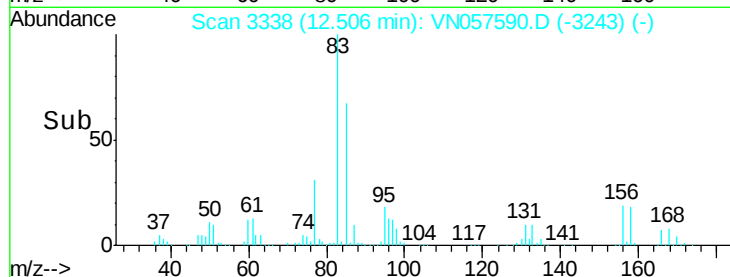
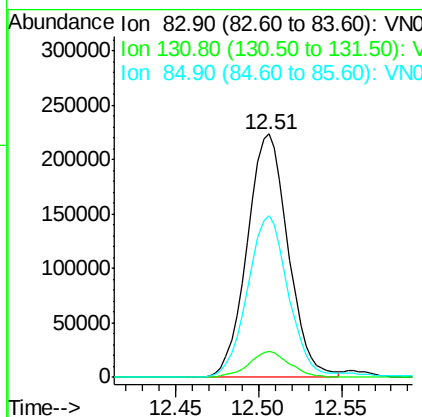
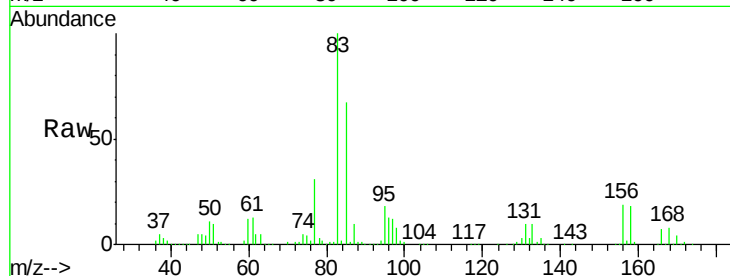
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 384045 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.7  | 4.3   | 13.1   |
| 85        | 67.5  | 32.3  | 96.8   |

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#76

1,2,3-Trichloropropane

Concen: 50.262 ug/l m

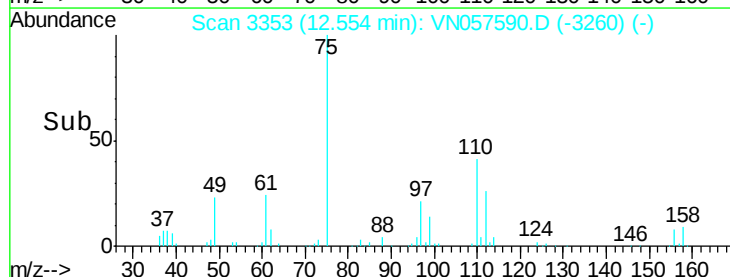
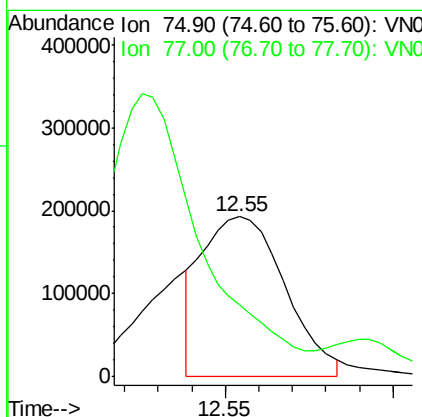
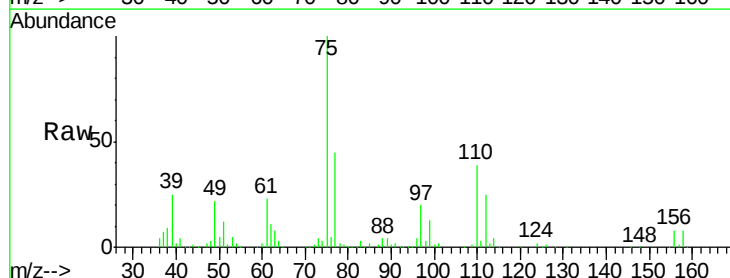
RT: 12.55 min Scan# 3353

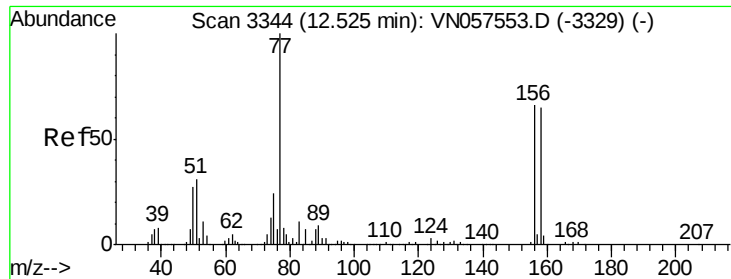
Delta R.T. 0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 331377 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 43.612 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

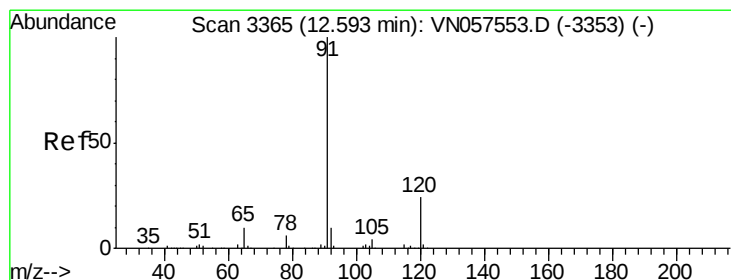
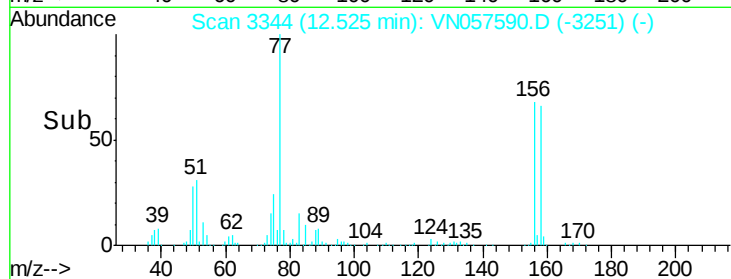
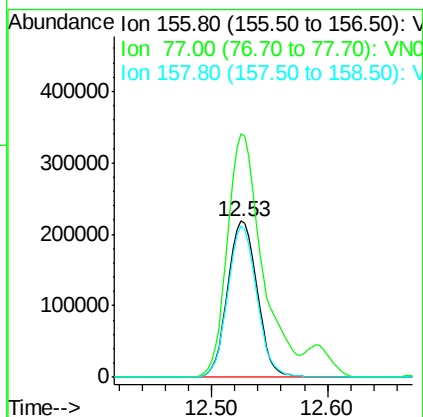
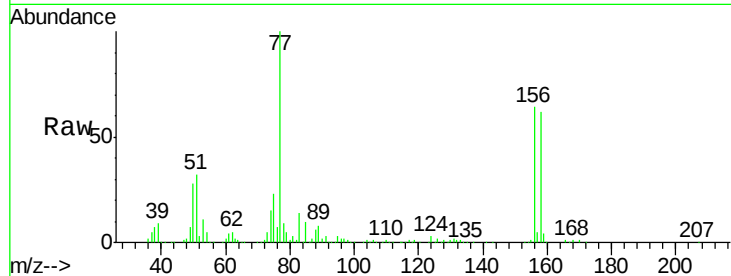
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 385755 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 183.4 | 124.4 | 373.3  |
| 158       | 95.1  | 48.3  | 144.8  |

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#78

n-propylbenzene

Concen: 47.466 ug/l

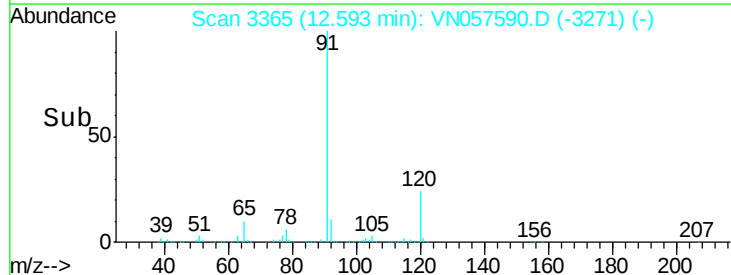
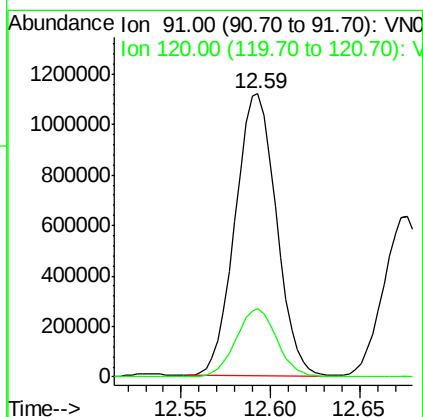
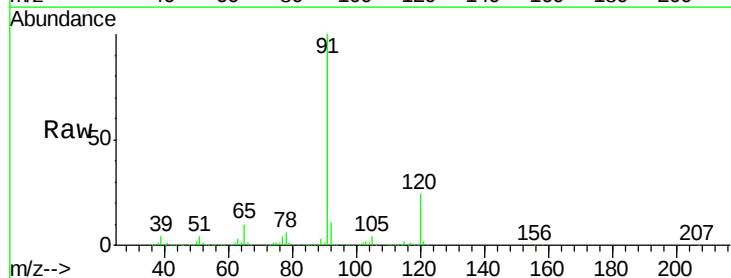
RT: 12.59 min Scan# 3365

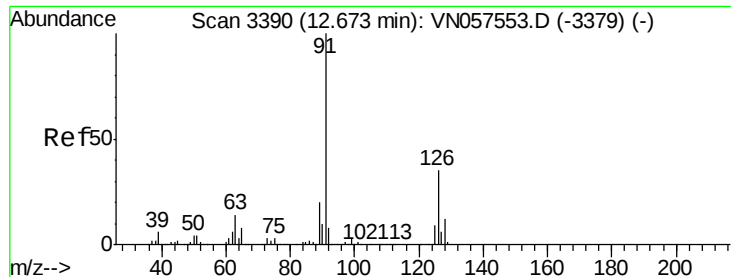
Delta R.T. 0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1799117 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 24.0  | 10.7  | 32.1    |





#79

2-Chlorotoluene

Concen: 44.849 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1058878

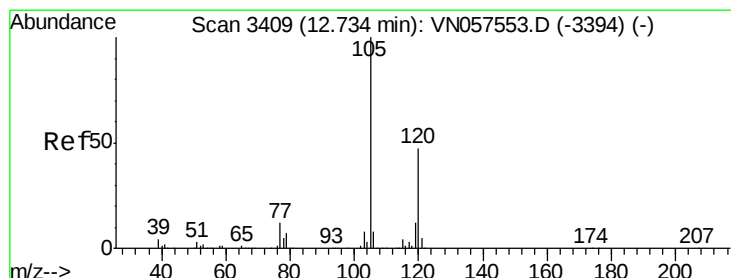
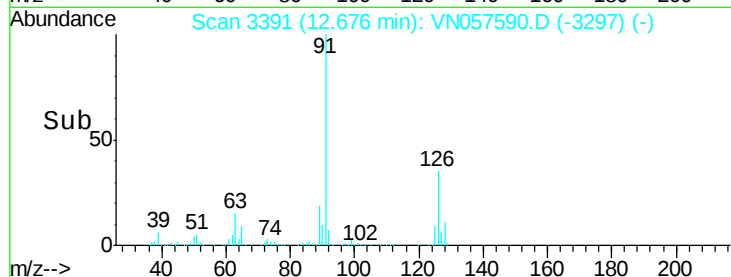
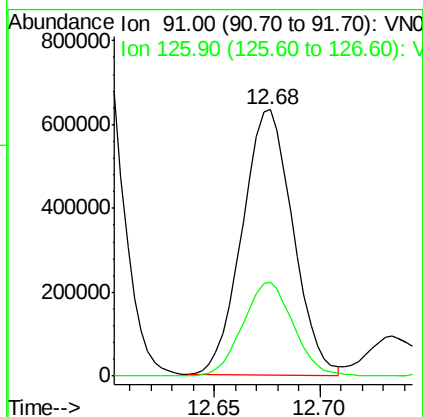
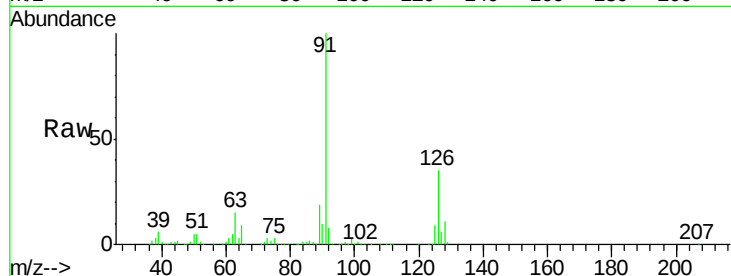
Ion Ratio Lower Upper

91 100

126 35.5 15.3 45.8

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#80

1,3,5-Trimethylbenzene

Concen: 47.164 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057590.D

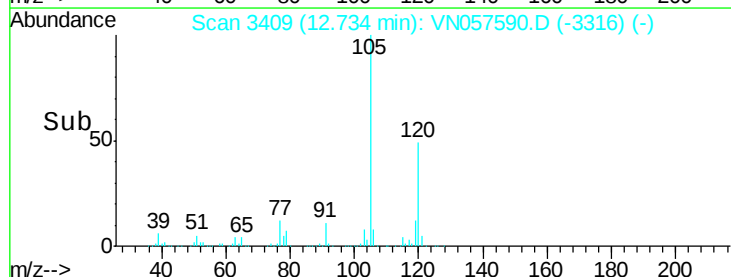
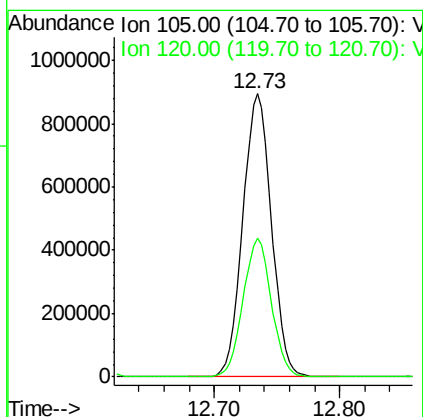
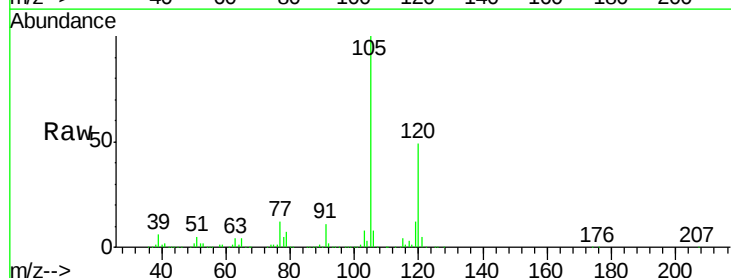
Acq: 30 Aug 2019 15:41

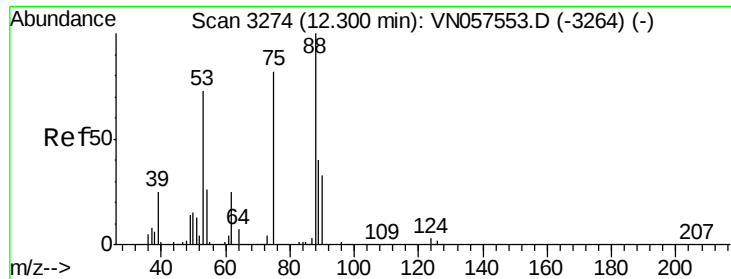
Tgt Ion: 105 Resp: 1416087

Ion Ratio Lower Upper

105 100

120 48.6 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 44.684 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

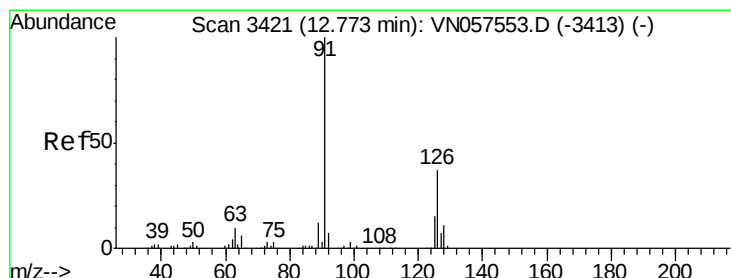
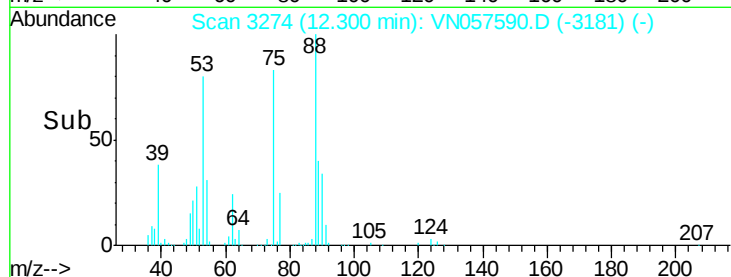
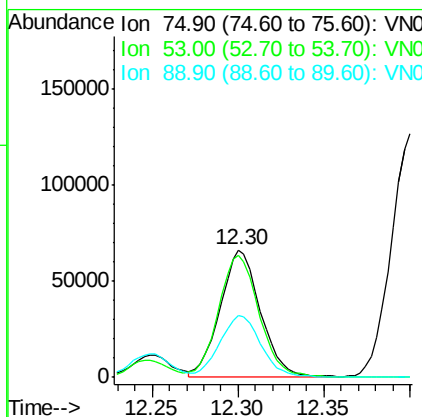
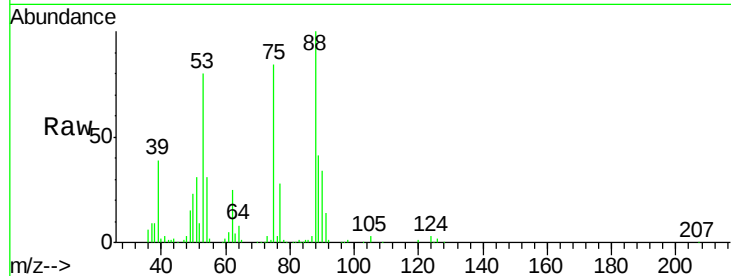
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 75    | Resp: | 106550 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 53        | 99.4  | 82.7  | 124.1  |
| 89        | 51.1  | 35.8  | 53.8   |

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#82

4-Chlorotoluene

Concen: 48.577 ug/l

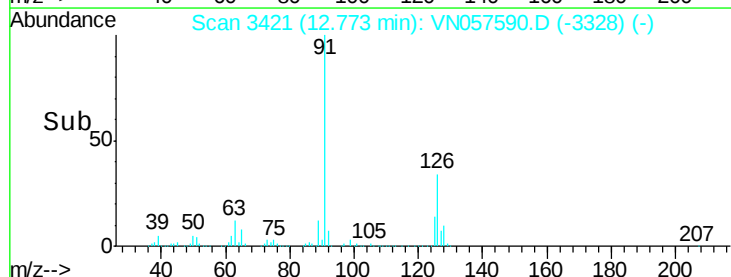
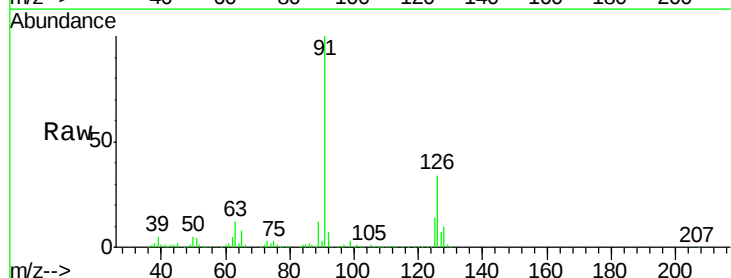
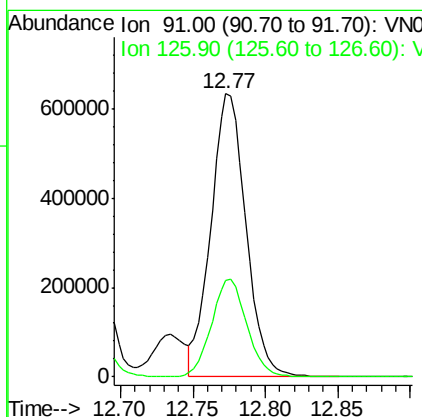
RT: 12.77 min Scan# 3421

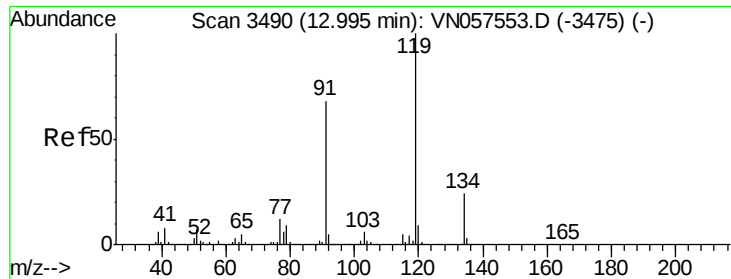
Delta R.T. -0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1064076 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 126       | 34.9  | 15.0  | 45.0    |





#83

tert-Butylbenzene

Concen: 54.425 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1235798

Ion Ratio Lower Upper

119 100

91 66.1 37.0 111.0

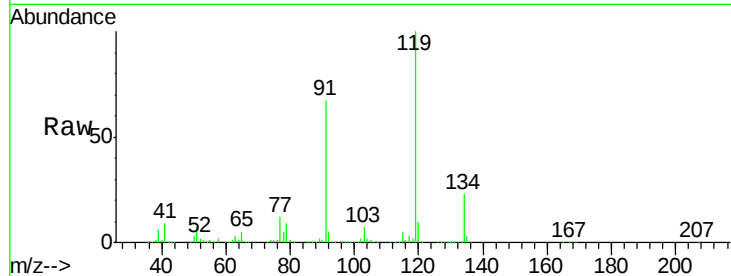
134 25.3 12.2 36.6

Manual Integrations

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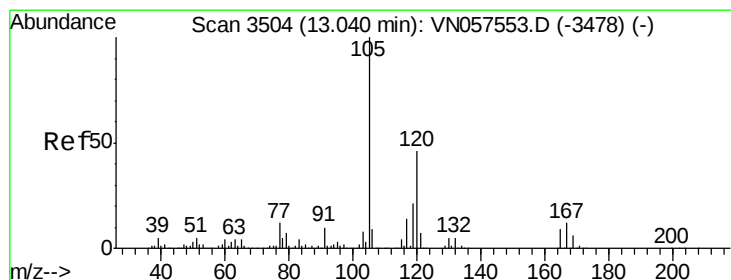
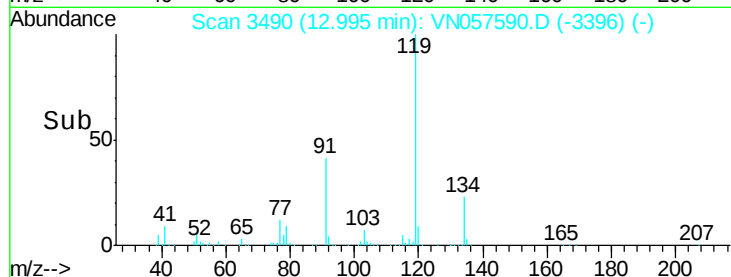
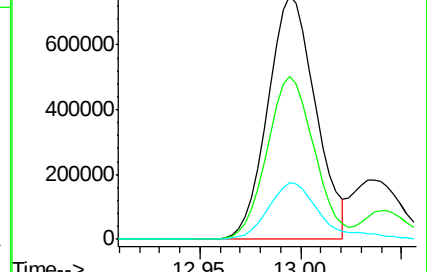
8/31/2019 11:28:38 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.844 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN057590.D

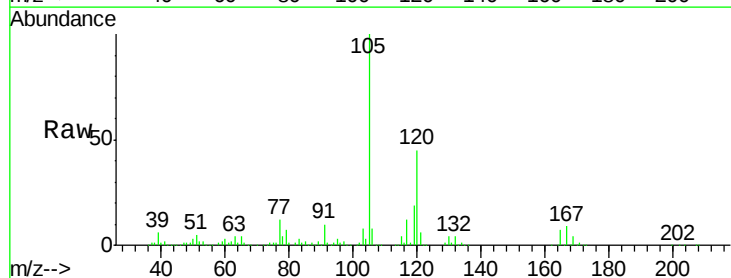
Acq: 30 Aug 2019 15:41

Tgt Ion:105 Resp: 1396222

Ion Ratio Lower Upper

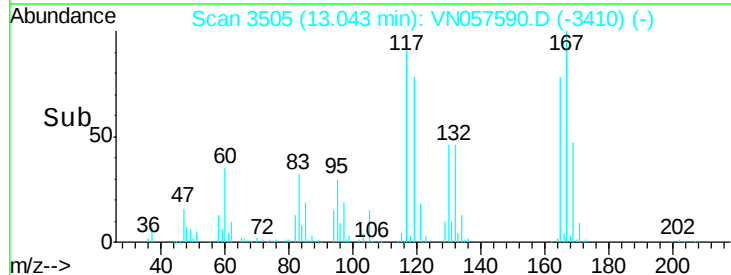
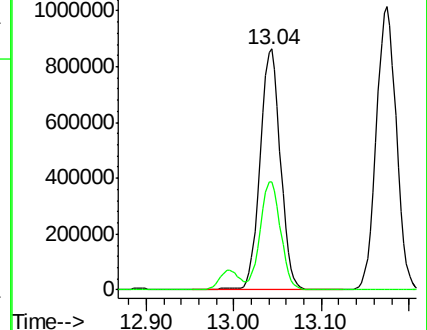
105 100

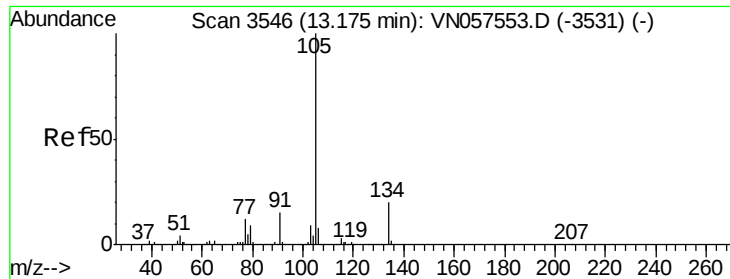
120 45.0 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.771 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1609537

Ion Ratio Lower Upper

105 100

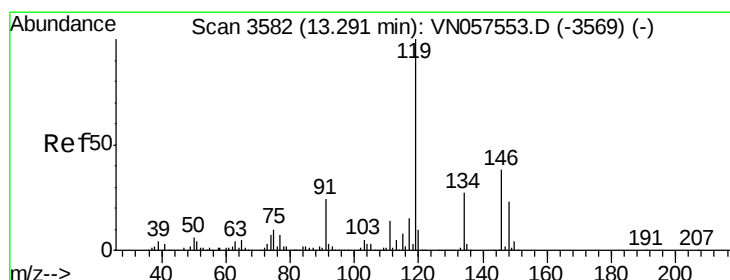
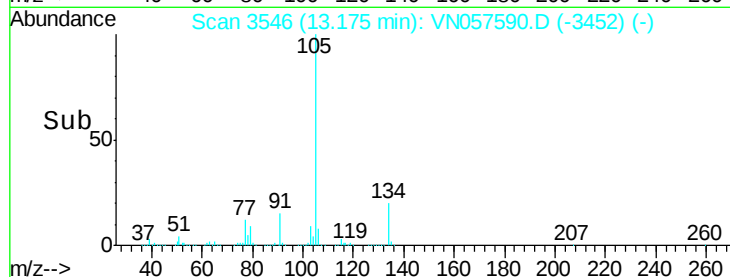
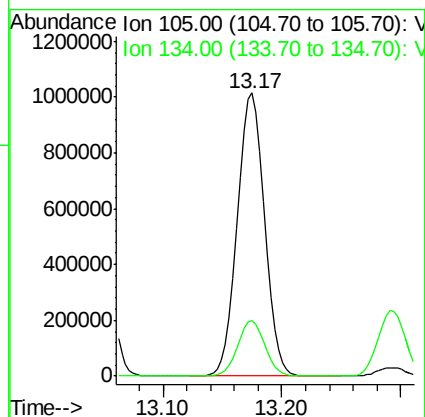
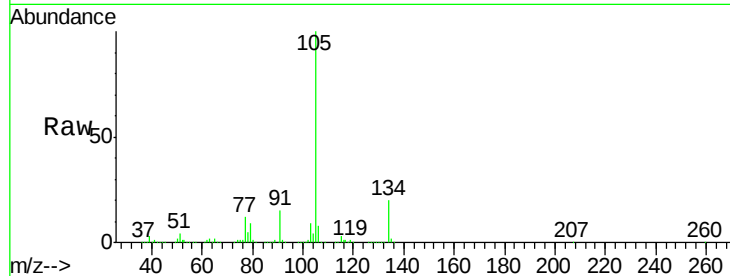
134 19.4 9.3 27.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.691 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

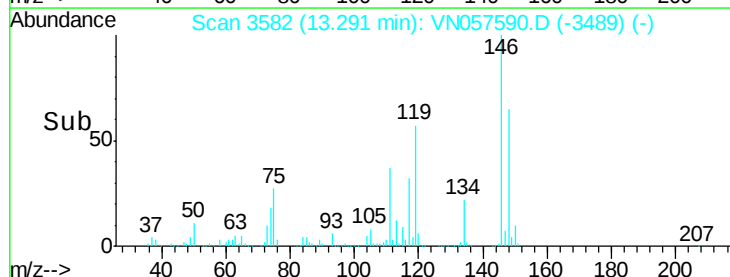
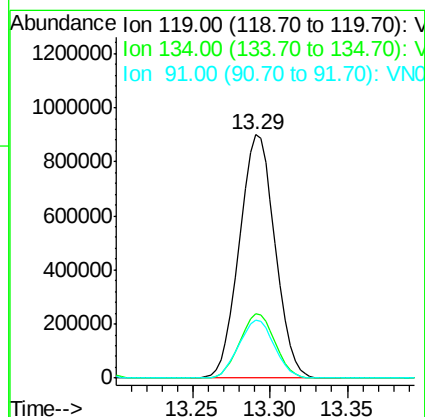
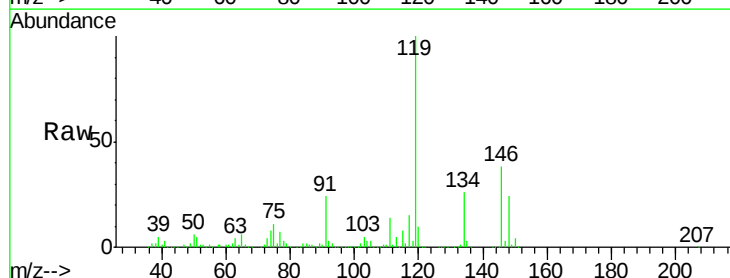
Tgt Ion:119 Resp: 1437896

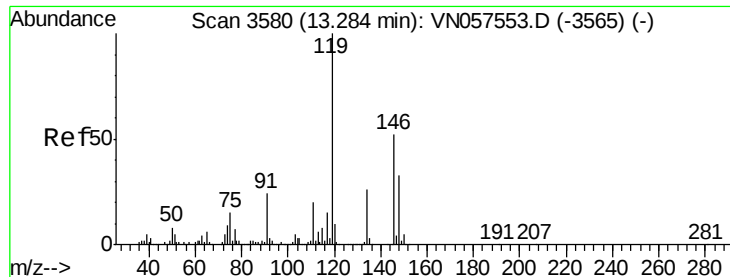
Ion Ratio Lower Upper

119 100

134 26.2 12.7 38.1

91 23.9 13.9 41.6





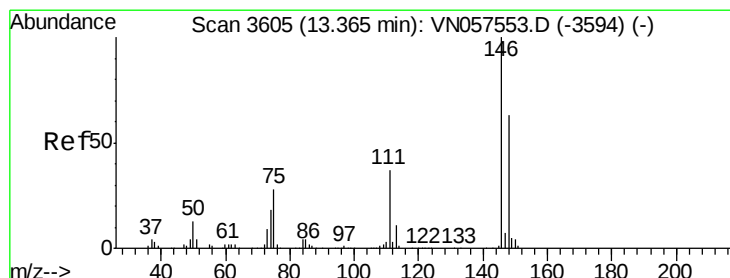
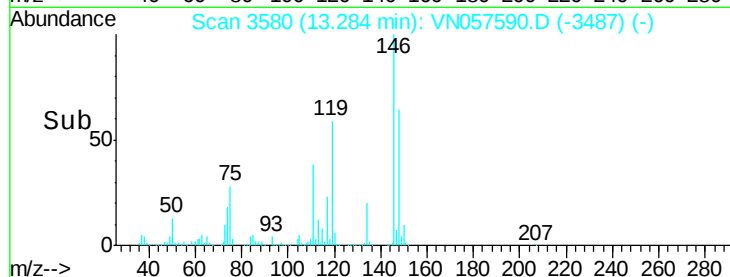
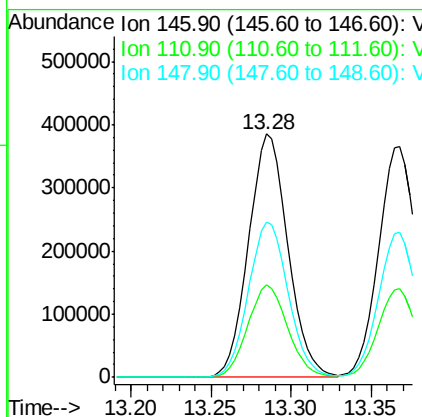
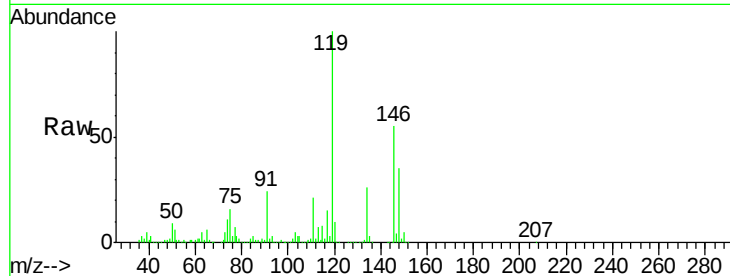
#87  
 1,3-Dichlorobenzene  
 Concen: 50.605 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. -0.00 min  
 Lab File: VN057590.D  
 Acq: 30 Aug 2019 15:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 650058 |       |       |
| 111     | 38.3  | 22.1   | 66.1  |       |
| 148     | 64.5  | 31.9   | 95.9  |       |

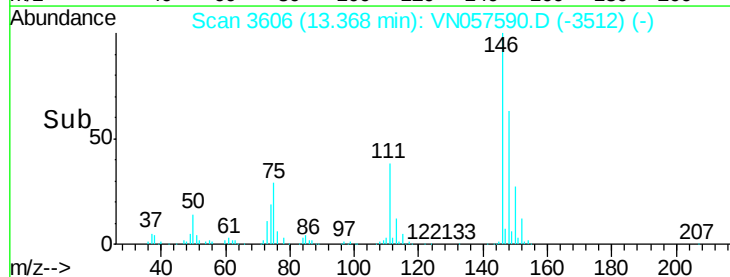
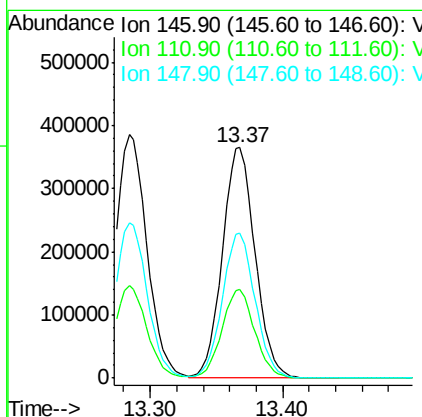
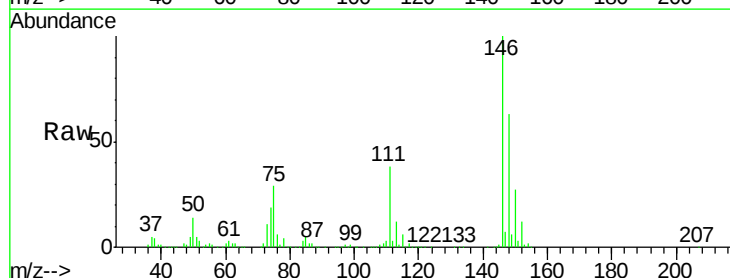
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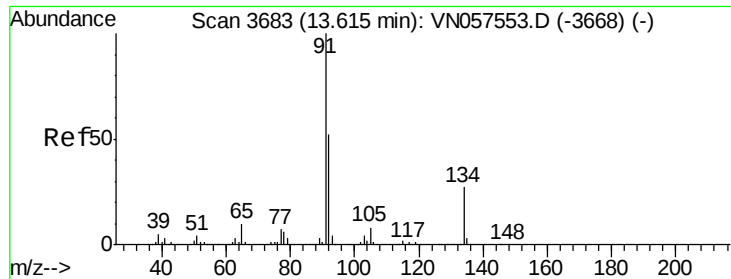
MMDadoda  
 8/31/2019 11:28:38 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 50.778 ug/l  
 RT: 13.37 min Scan# 3606  
 Delta R.T. 0.00 min  
 Lab File: VN057590.D  
 Acq: 30 Aug 2019 15:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 625509 |       |       |
| 111     | 38.4  | 21.9   | 65.5  |       |
| 148     | 63.0  | 31.1   | 93.2  |       |





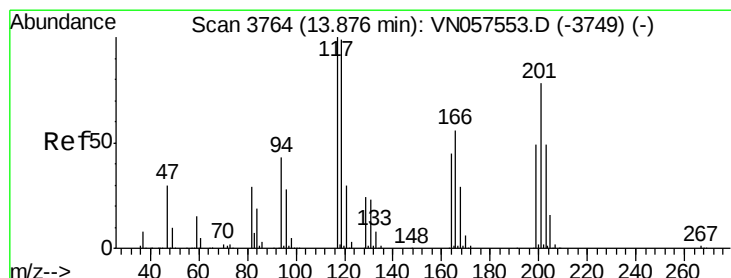
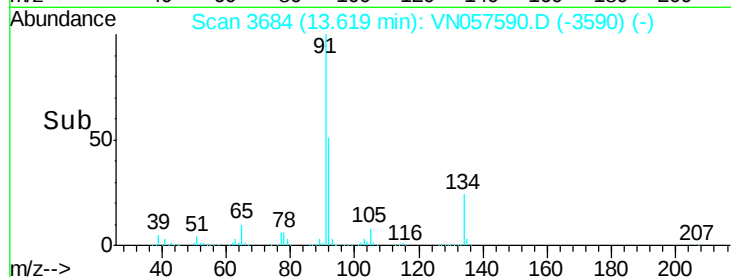
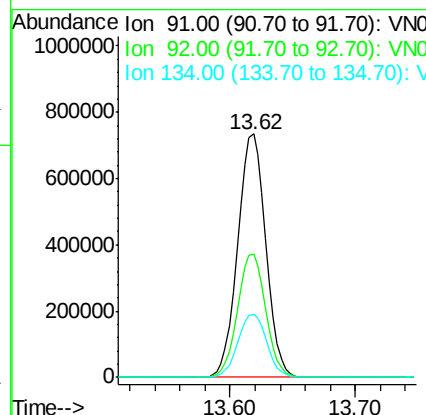
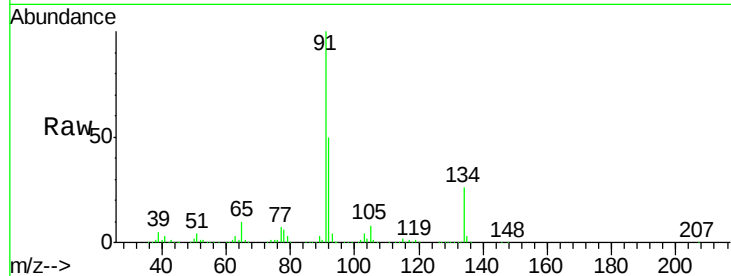
#89  
n-Butylbenzene  
Concen: 53.021 ug/l  
RT: 13.62 min Scan# 3684  
Delta R.T. 0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 1139312  
Ion Ratio Lower Upper  
91 100  
92 50.8 25.7 77.0  
134 26.7 11.4 34.1

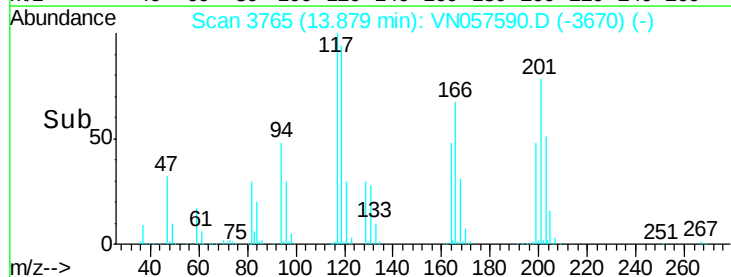
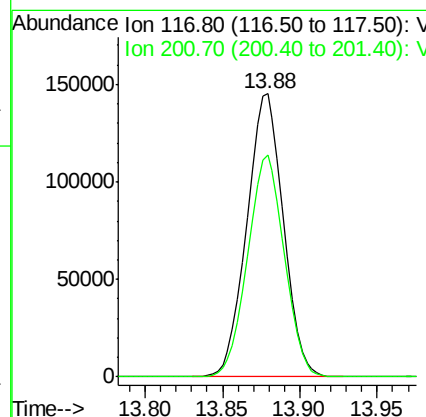
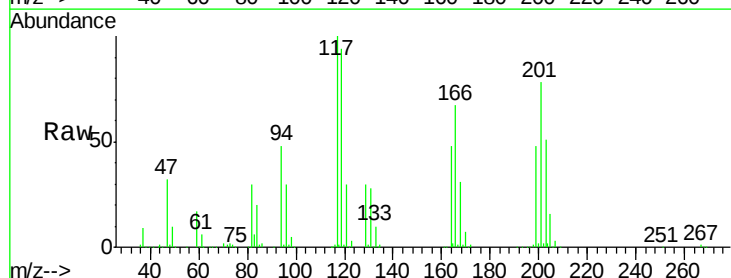
Manual Integrations  
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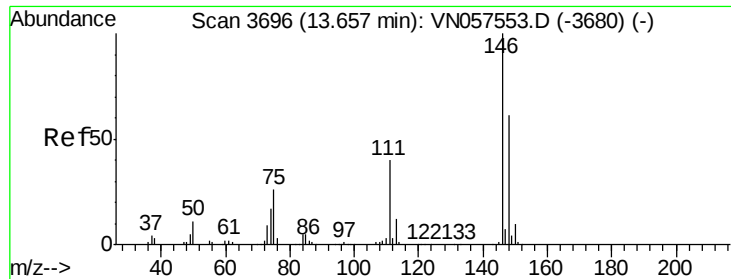
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#90  
Hexachloroethane  
Concen: 40.086 ug/l  
RT: 13.88 min Scan# 3765  
Delta R.T. 0.00 min  
Lab File: VN057590.D  
Acq: 30 Aug 2019 15:41

Tgt Ion: 117 Resp: 239278  
Ion Ratio Lower Upper  
117 100  
201 78.4 33.1 99.3





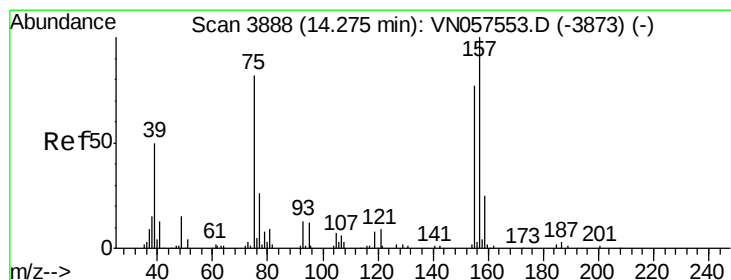
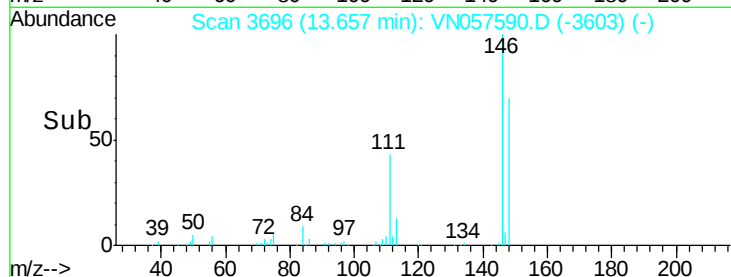
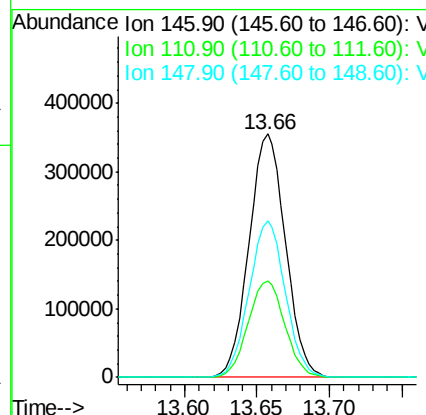
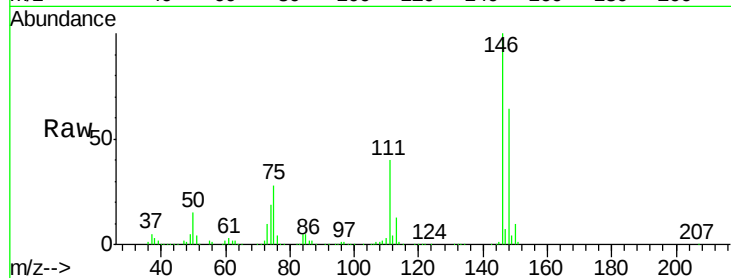
#91  
 1,2-Dichlorobenzene  
 Concen: 51.857 ug/l  
 RT: 13.66 min Scan# 3696  
 Delta R.T. -0.00 min  
 Lab File: VN057590.D  
 Acq: 30 Aug 2019 15:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.0  | 23.1  | 69.2  |
| 148     | 63.7  | 31.8  | 95.4  |

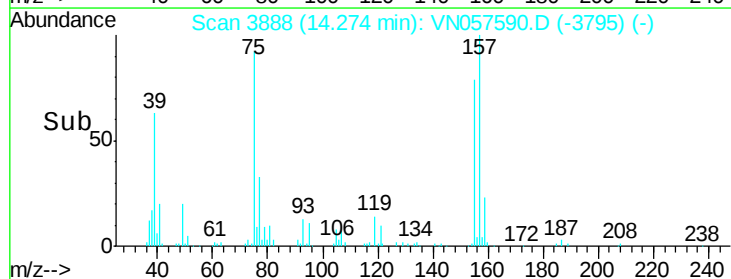
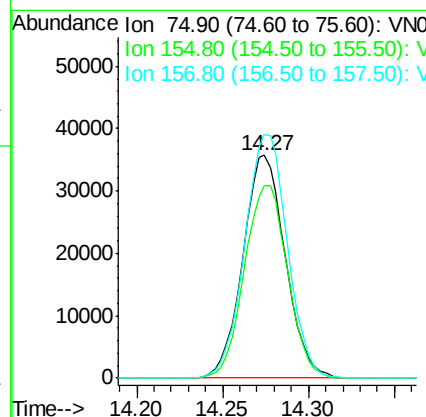
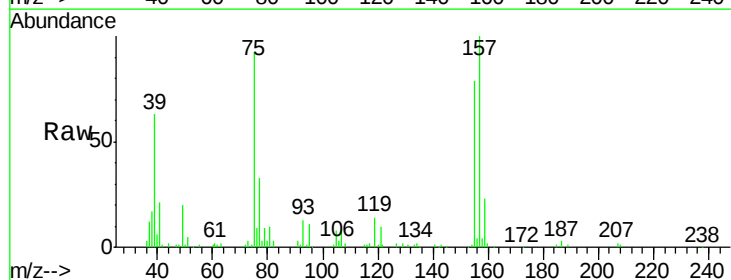
Manual Integrations  
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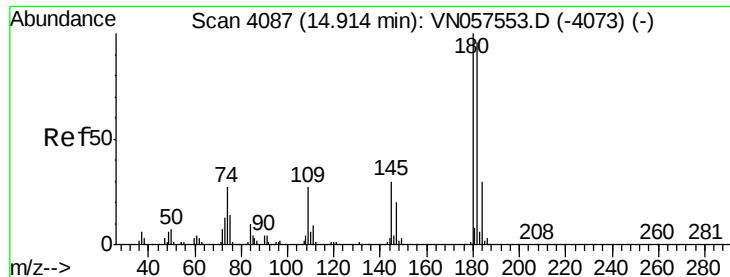
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 45.530 ug/l  
 RT: 14.27 min Scan# 3888  
 Delta R.T. -0.00 min  
 Lab File: VN057590.D  
 Acq: 30 Aug 2019 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 87.6  | 31.6  | 94.7  |
| 157     | 109.7 | 43.3  | 129.8 |





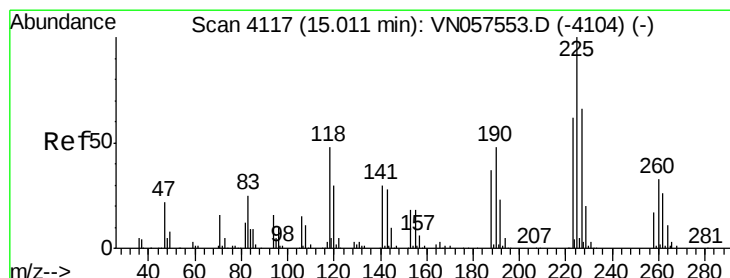
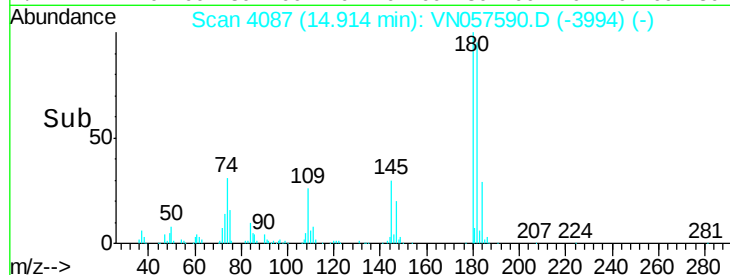
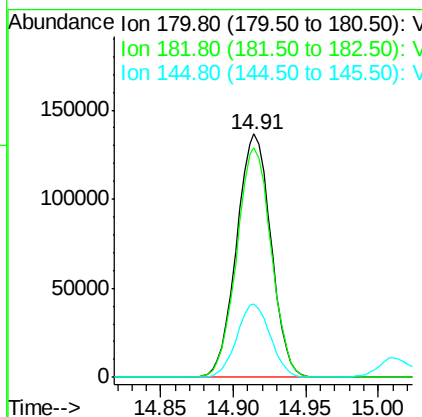
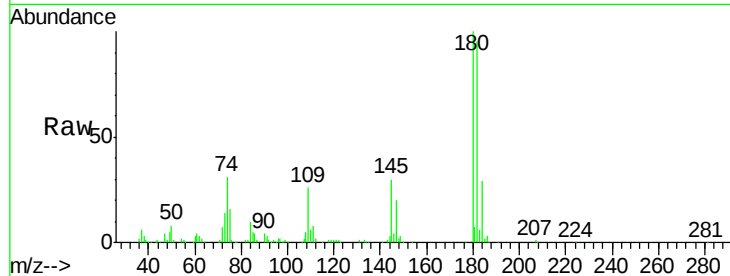
#93  
 1,2,4-Trichlorobenzene  
 Concen: 45.703 ug/l  
 RT: 14.91 min Scan# 4087  
 Delta R.T. 0.00 min  
 Lab File: VN057590.D  
 Acq: 30 Aug 2019 15:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 225497 |       |       |
| 182     | 94.4  | 46.7   | 140.1 |       |
| 145     | 29.4  | 15.6   | 46.8  |       |

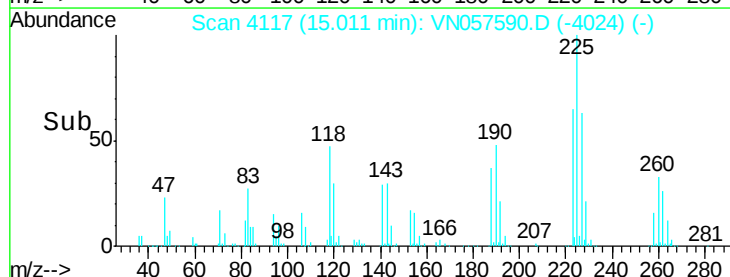
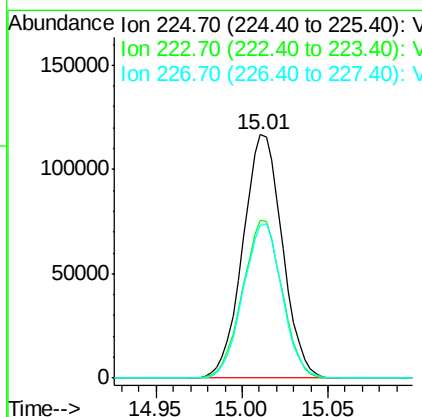
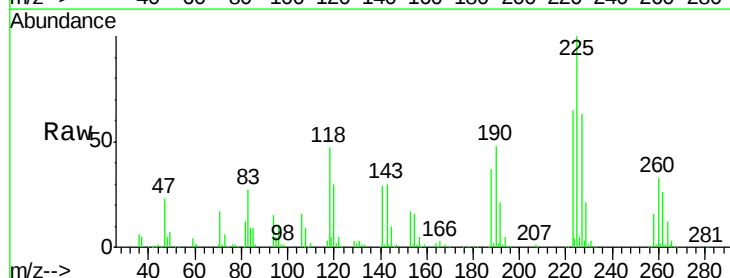
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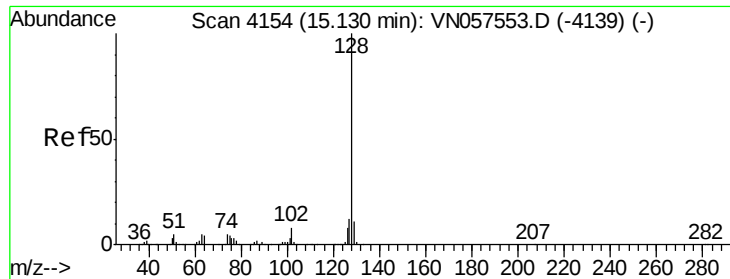
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#94  
 Hexachlorobutadiene  
 Concen: 47.013 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. -0.00 min  
 Lab File: VN057590.D  
 Acq: 30 Aug 2019 15:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 185760 |       |       |
| 223     | 64.5  | 32.0   | 96.2  |       |
| 227     | 62.8  | 31.5   | 94.5  |       |





#95

Naphthalene

Concen: 54.364 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

Instrument :

MSVOA\_N

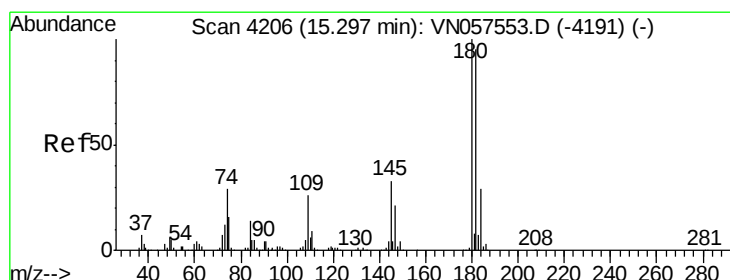
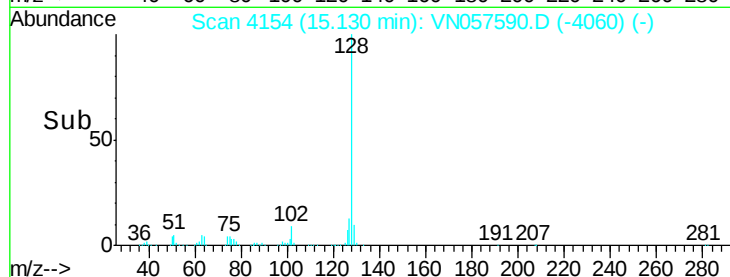
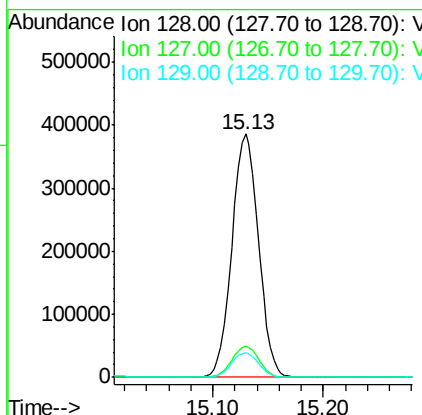
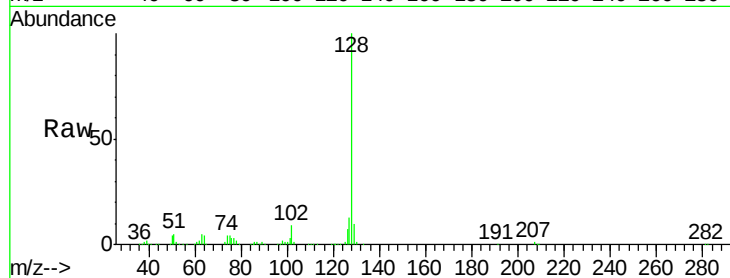
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 644929 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.9  | 10.5  | 15.7   |
| 129       | 10.5  | 8.6   | 13.0   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 53.841 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057590.D

Acq: 30 Aug 2019 15:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 218159 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.6  | 46.7  | 140.1  |
| 145       | 33.5  | 16.8  | 50.3   |

