

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081219\  
 Data File : VN057211.D  
 Acq On : 12 Aug 2019 13:03  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 8/14/2019 9:23:48 AM

Quant Time: Aug 13 02:08:33 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080719W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:49:25 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.05  | 168  | 976215   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.01  | 114  | 1402256  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.91 | 117  | 1284642  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.88 | 152  | 527549   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 7.44   | 65  | 516086   | 51.40 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.80% |      |
| 35) Dibromofluoromethane    | 6.98   | 113 | 470168   | 53.43 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.86% |      |
| 50) Toluene-d8              | 9.56   | 98  | 1802146  | 53.53 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.06% |      |
| 62) 4-Bromofluorobenzene    | 11.92  | 95  | 615765   | 56.77 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 113.54% |      |

| Target Compounds              |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.82 | 85  | 357369  | 45.547  | ug/l   | 97     |
| 3) Chloromethane              | 2.00 | 50  | 423801  | 40.652  | ug/l   | 98     |
| 4) Vinyl Chloride             | 2.11 | 62  | 429085  | 44.280  | ug/l   | 99     |
| 5) Bromomethane               | 2.42 | 94  | 311635  | 47.331  | ug/l   | 97     |
| 6) Chloroethane               | 2.55 | 64  | 294366  | 47.360  | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 2.82 | 101 | 674623  | 48.434  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.14 | 74  | 262587  | 48.795  | ug/l   | 94     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.44 | 101 | 418698  | 49.587  | ug/l   | 98     |
| 10) Methyl Iodide             | 3.63 | 142 | 667062  | 52.279  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.24 | 59  | 338999  | 237.280 | ug/l   | 100    |
| 12) 1,1-Dichloroethene        | 3.43 | 96  | 410253  | 49.388  | ug/l   | 97     |
| 13) Acrolein                  | 3.31 | 56  | 164446  | 181.947 | ug/l   | 100    |
| 14) Allyl chloride            | 3.91 | 41  | 593307  | 49.149  | ug/l   | 97     |
| 15) Acrylonitrile             | 4.44 | 53  | 961972  | 248.788 | ug/l   | 98     |
| 16) Acetone                   | 3.47 | 43  | 821905  | 271.078 | ug/l   | 99     |
| 17) Carbon Disulfide          | 3.72 | 76  | 1032215 | 46.710  | ug/l   | 100    |
| 18) Methyl Acetate            | 3.89 | 43  | 458598  | 50.776  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 4.49 | 73  | 1282012 | 51.122  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.10 | 84  | 477570  | 47.726  | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene  | 4.50 | 96  | 442813  | 48.937  | ug/l   | 97     |
| 22) Diisopropyl ether         | 5.31 | 45  | 1302635 | 49.471  | ug/l   | 98     |
| 23) Vinyl Acetate             | 5.26 | 43  | 5147743 | 255.302 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.25 | 63  | 788245  | 48.697  | ug/l   | 99     |
| 25) 2-Butanone                | 6.20 | 43  | 1198058 | 258.625 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.21 | 77  | 656030  | 55.708  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 6.21 | 96  | 521643  | 50.321  | ug/l   | 99     |
| 28) Bromochloromethane        | 6.58 | 49  | 395770  | 53.157  | ug/l   | 97     |
| 29) Tetrahydrofuran           | 6.60 | 42  | 769095  | 246.458 | ug/l   | 99     |
| 30) Chloroform                | 6.76 | 83  | 824628  | 49.222  | ug/l   | 97     |
| 31) Cyclohexane               | 7.06 | 56  | 654340  | 44.933  | ug/l   | 99     |
| 32) 1,1,1-Trichloroethane     | 6.98 | 97  | 718674  | 51.137  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.20 | 75  | 605515  | 52.446  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.28 | 43  | 489868  | 51.471  | ug/l # | 100    |
| 38) Carbon Tetrachloride      | 7.18 | 117 | 637818  | 53.008  | ug/l   | 99     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 8/14/2019 9:23:48 AM

Quant Time: Aug 13 02:08:33 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080719W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:49:25 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 8.52  | 83   | 711257   | 50.658   | ug/l   | 98       |
| 40) Benzene                    | 7.46  | 78   | 1871750  | 51.211   | ug/l   | 99       |
| 41) Methacrylonitrile          | 6.54  | 41   | 262222   | 54.240   | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 7.54  | 62   | 601675   | 51.616   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 7.56  | 43   | 863925   | 53.192   | ug/l   | 98       |
| 44) Trichloroethene            | 8.27  | 130  | 528059   | 51.569   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 8.56  | 63   | 485561   | 51.308   | ug/l   | 100      |
| 46) Dibromomethane             | 8.65  | 93   | 317667   | 52.351   | ug/l   | 97       |
| 47) Bromodichloromethane       | 8.85  | 83   | 644731   | 54.912   | ug/l   | 97       |
| 48) Methyl methacrylate        | 8.63  | 41   | 387115   | 50.546   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 8.64  | 88   | 171387   | 1098.754 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.45  | 43   | 2437409  | 257.856  | ug/l   | 100      |
| 52) Toluene                    | 9.63  | 92   | 1191093  | 52.501   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.86  | 75   | 700036   | 57.072   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.30  | 75   | 775977   | 55.133   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.04 | 97   | 465091   | 52.131   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 9.90  | 69   | 666813   | 53.381   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.19 | 76   | 762005   | 51.793   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.15  | 63   | 973236   | 198.257  | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.24 | 43   | 1744898  | 272.750  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.39 | 129  | 532719   | 56.855   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 10.50 | 107  | 494673   | 53.733   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.11 | 164  | 547007   | 51.200   | ug/l   | 96       |
| 65) Chlorobenzene              | 10.93 | 112  | 1321689  | 51.133   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.01 | 131  | 511873   | 52.970   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.01 | 91   | 2307989  | 51.880   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.13 | 106  | 1746336  | 106.554  | ug/l   | 99       |
| 69) o-Xylene                   | 11.46 | 106  | 858902   | 52.657   | ug/l   | 98       |
| 70) Styrene                    | 11.47 | 104  | 1403366  | 55.083   | ug/l   | 99       |
| 71) Bromoform                  | 11.64 | 173  | 398363   | 56.276   | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.77 | 105  | 2293080  | 53.555   | ug/l   | 100      |
| 74) N-amyl acetate             | 11.59 | 43   | 660222   | 49.386   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.02 | 83   | 624769   | 54.704   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.08 | 75   | 567936m  | 55.485   | ug/l   |          |
| 77) Bromobenzene               | 12.05 | 156  | 611988   | 48.263   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.11 | 91   | 2439337  | 48.198   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.20 | 91   | 1485623  | 52.792   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.26 | 105  | 1945303  | 47.763   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.82 | 75   | 197514   | 55.050   | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.30 | 91   | 1433300  | 48.911   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.52 | 119  | 1727852  | 53.983   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 12.57 | 105  | 1859302  | 47.230   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 12.70 | 105  | 2139434  | 46.547   | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 12.82 | 119  | 1929221  | 47.835   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.81 | 146  | 949542   | 52.599   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.90 | 146  | 875556   | 51.189   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.15 | 91   | 1432118  | 51.397   | ug/l   | 100      |
| 90) Hexachloroethane           | 13.41 | 117  | 349302   | 54.572   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.19 | 146  | 896180   | 49.713   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.81 | 75   | 81267    | 43.822   | ug/l   | 97       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081219\  
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Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

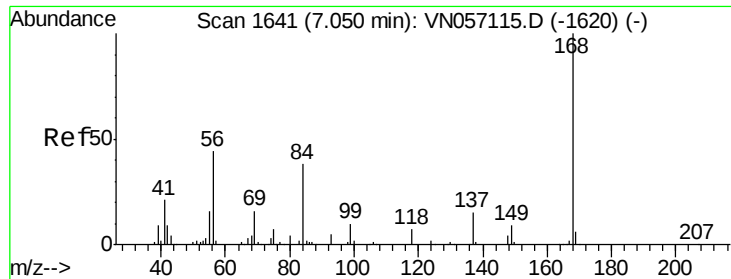
MMDadoda  
8/14/2019 9:23:48 AM

Quant Time: Aug 13 02:08:33 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080719W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 08 06:49:25 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.45 | 180  | 332941   | 44.312 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 14.55 | 225  | 384313   | 61.990 | ug/l  | 99       |
| 95) Naphthalene            | 14.67 | 128  | 595483   | 40.732 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.84 | 180  | 290074   | 38.207 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 976215

Ion Ratio Lower Upper

168 100

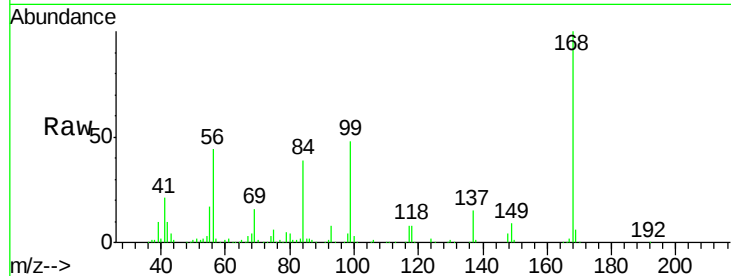
99 48.0 38.6 57.8

Manual Integrations

APPROVED

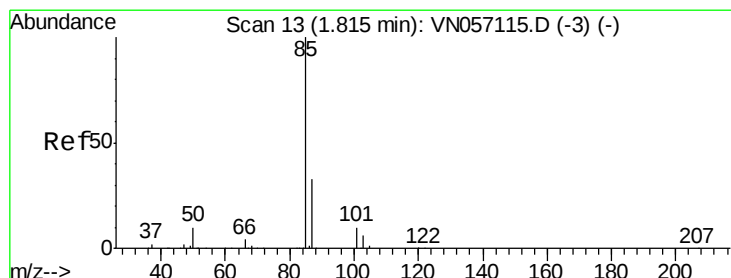
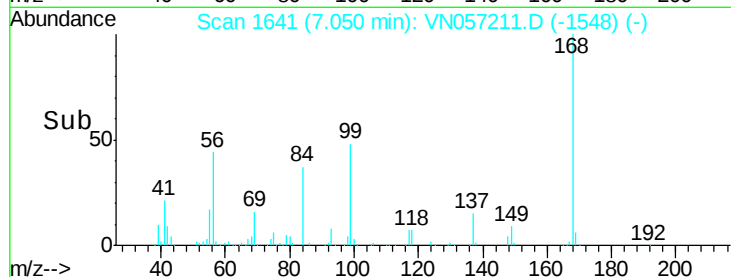
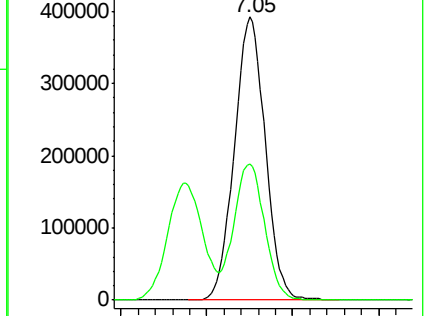
MMDadoda

8/14/2019 9:23:48 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.547 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057211.D

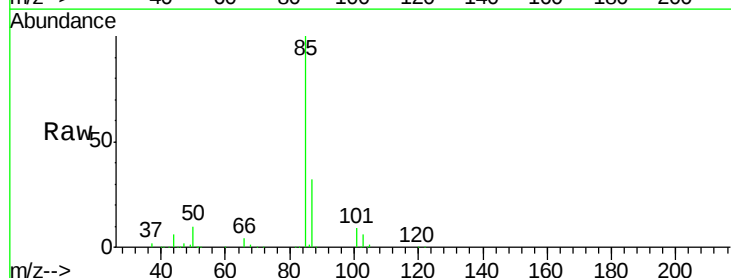
Acq: 12 Aug 2019 13:03

Tgt Ion: 85 Resp: 357369

Ion Ratio Lower Upper

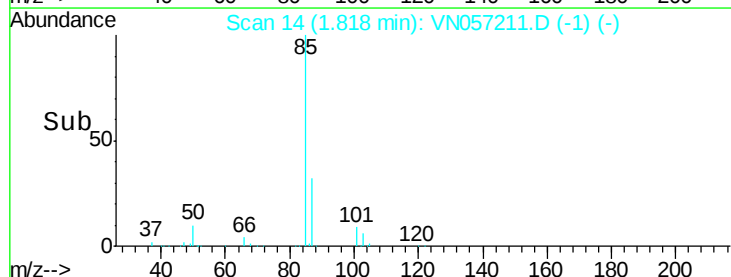
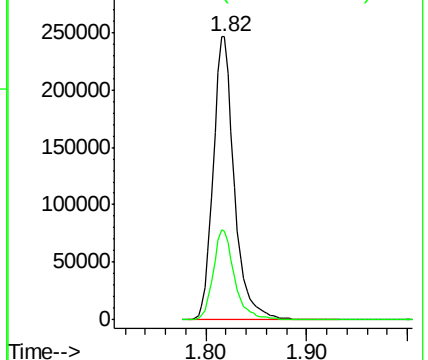
85 100

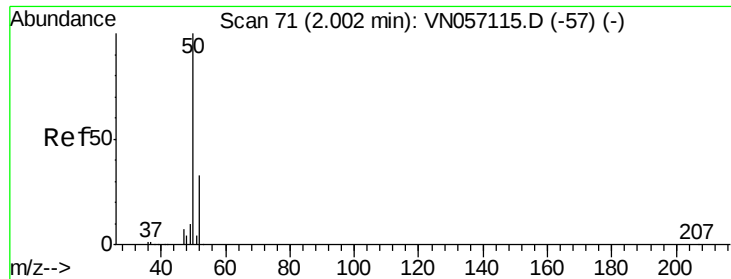
87 31.5 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 40.652 ug/l

RT: 2.00 min Scan# 69

Delta R.T. -0.01 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 423801

Ion Ratio Lower Upper

50 100

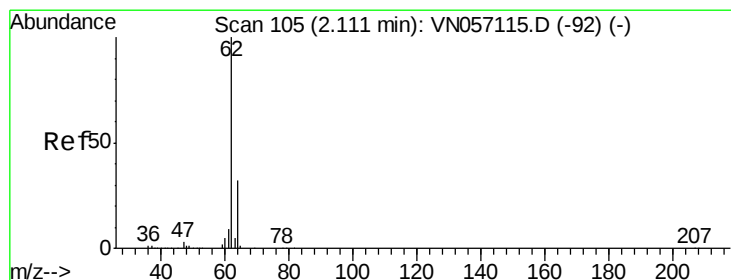
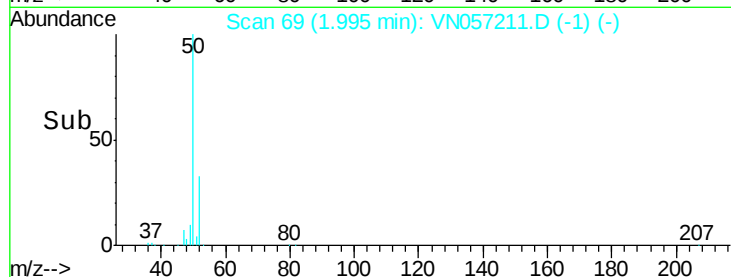
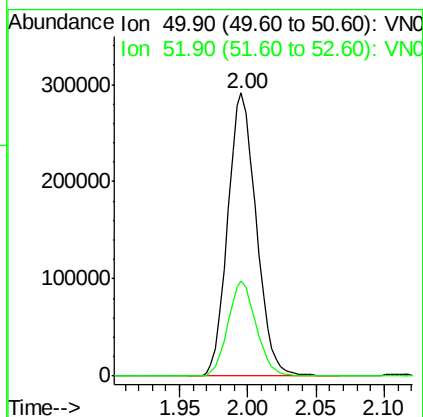
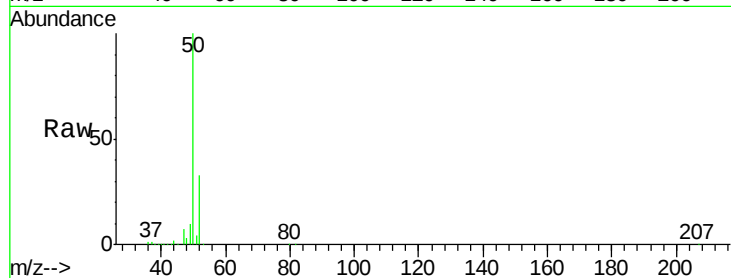
52 33.5 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

8/14/2019 9:23:48 AM



#4

Vinyl Chloride

Concen: 44.280 ug/l

RT: 2.11 min Scan# 104

Delta R.T. -0.00 min

Lab File: VN057211.D

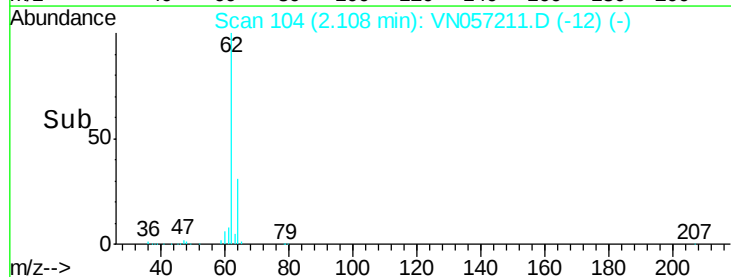
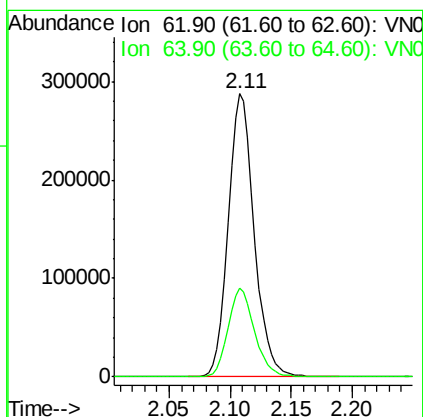
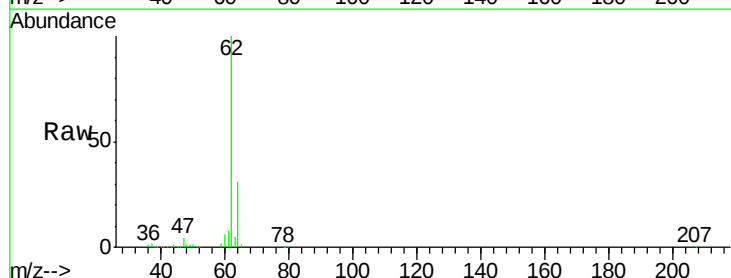
Acq: 12 Aug 2019 13:03

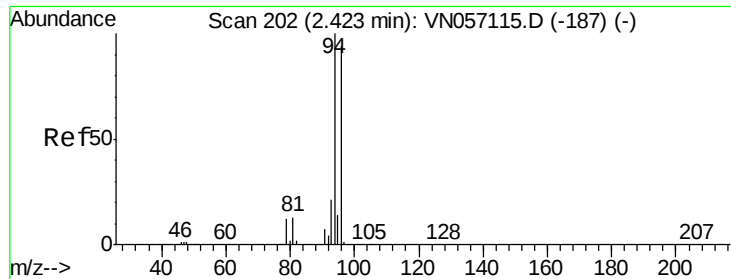
Tgt Ion: 62 Resp: 429085

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.0





#5

Bromomethane

Concen: 47.331 ug/l

RT: 2.42 min Scan# 201

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 311635

Ion Ratio Lower Upper

94 100

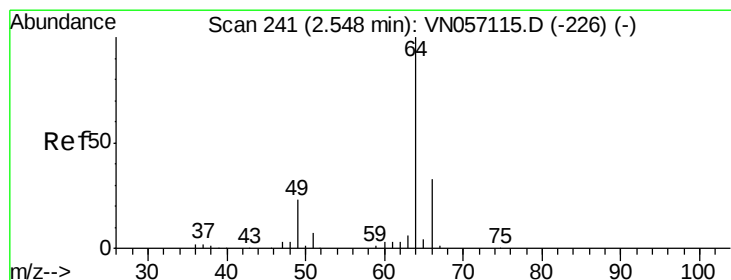
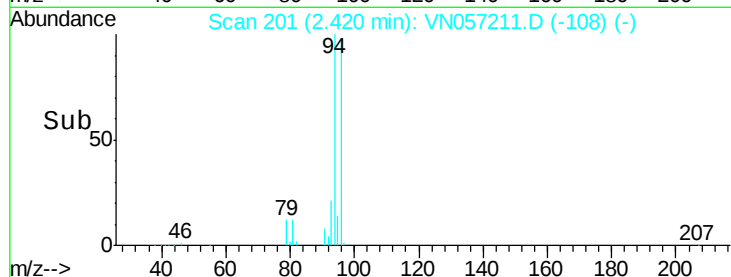
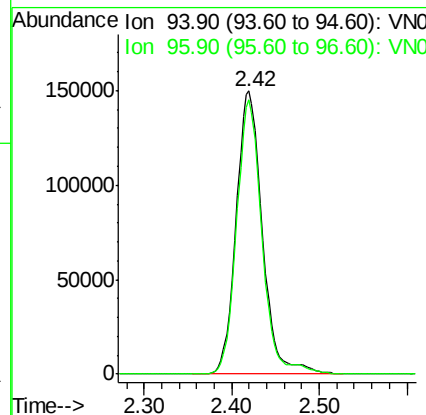
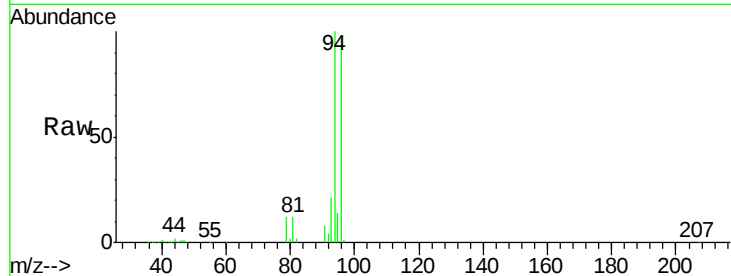
96 96.8 75.0 112.4

Manual Integrations

APPROVED

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8/14/2019 9:23:48 AM



#6

Chloroethane

Concen: 47.360 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN057211.D

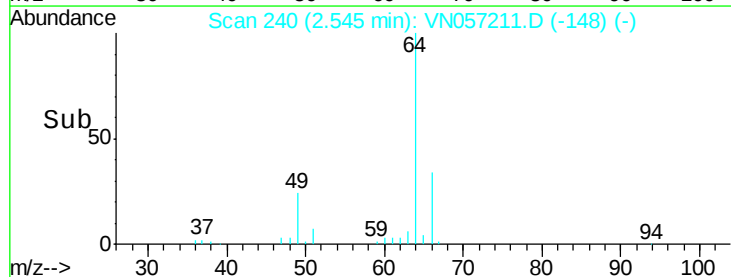
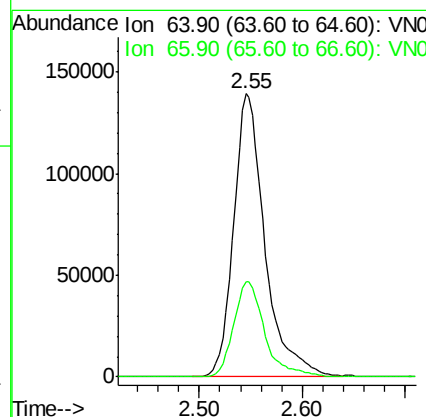
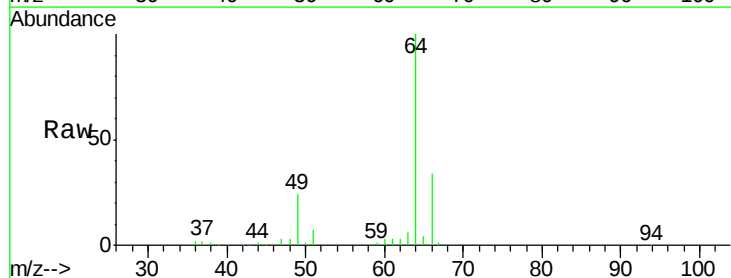
Acq: 12 Aug 2019 13:03

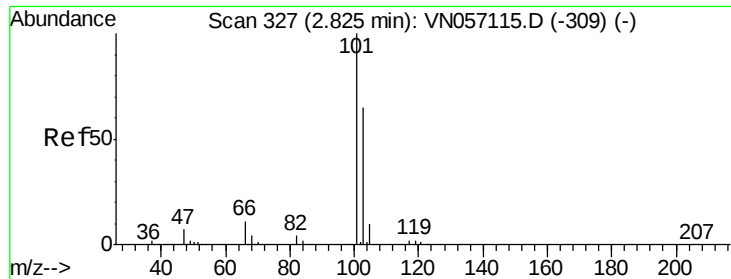
Tgt Ion: 64 Resp: 294366

Ion Ratio Lower Upper

64 100

66 33.9 26.2 39.4





#7

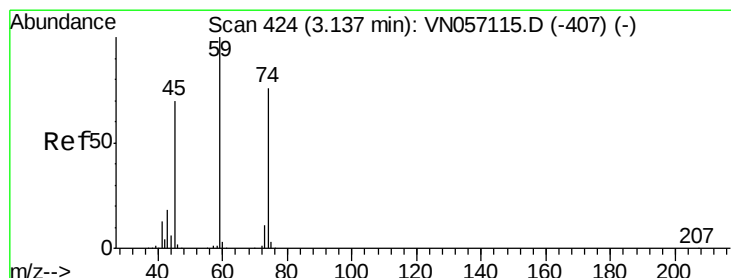
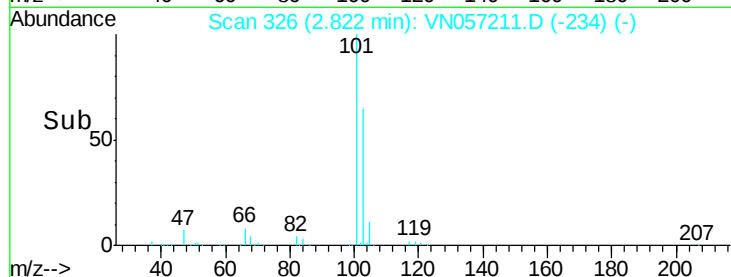
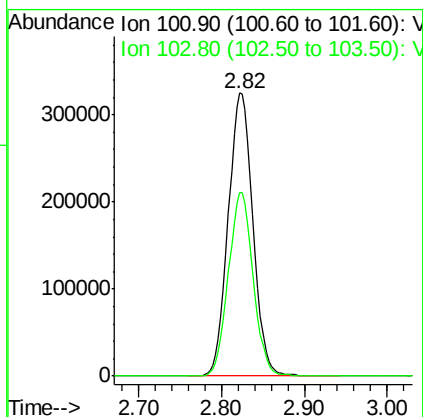
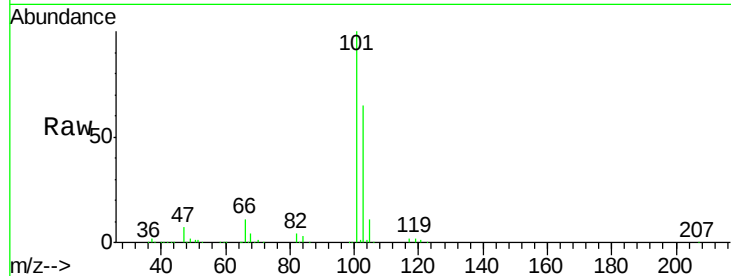
Trichlorofluoromethane  
 Concen: 48.434 ug/l  
 RT: 2.82 min Scan# 326  
 Delta R.T. -0.00 min  
 Lab File: VN057211.D  
 Acq: 12 Aug 2019 13:03

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.7  | 52.2  | 78.4  |

Manual Integrations  
 APPROVED

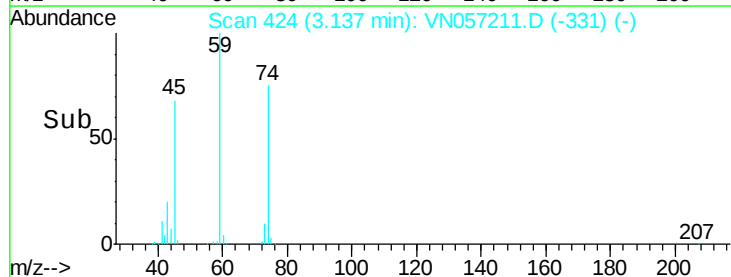
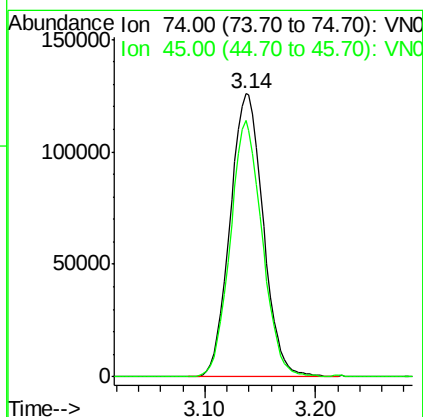
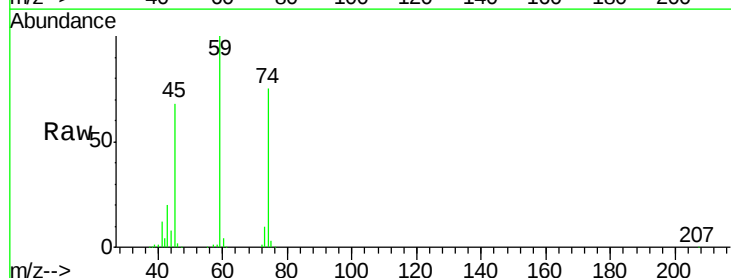
MMDadoda  
 8/14/2019 9:23:48 AM

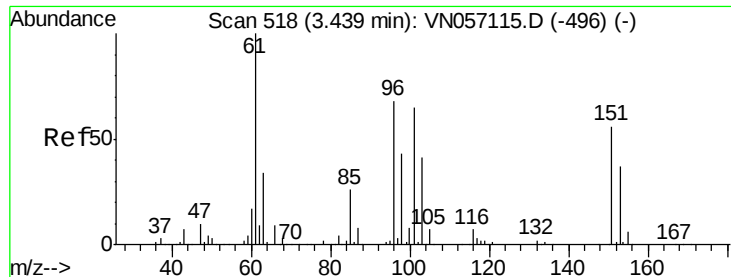


#8

Diethyl Ether  
 Concen: 48.795 ug/l  
 RT: 3.14 min Scan# 424  
 Delta R.T. -0.00 min  
 Lab File: VN057211.D  
 Acq: 12 Aug 2019 13:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 86.4  | 46.3  | 138.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.587 ug/l

RT: 3.44 min Scan# 517

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

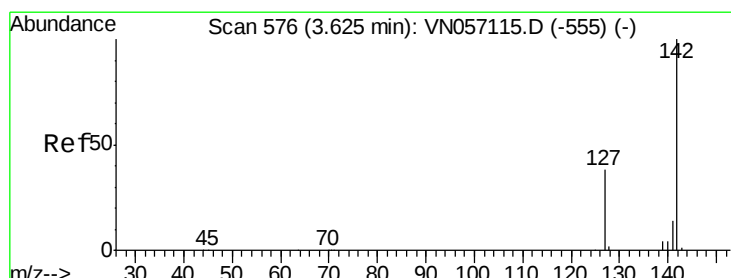
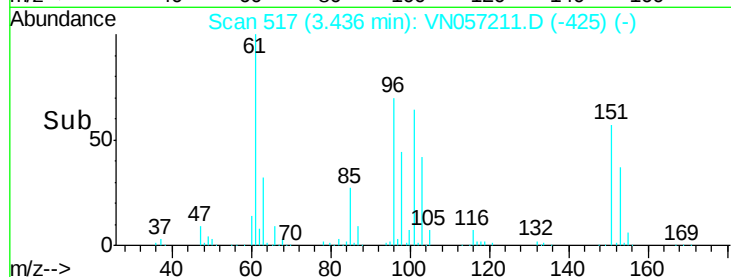
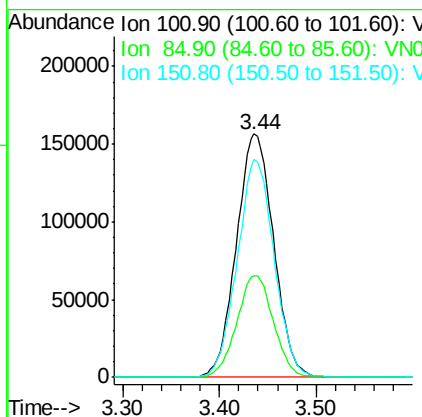
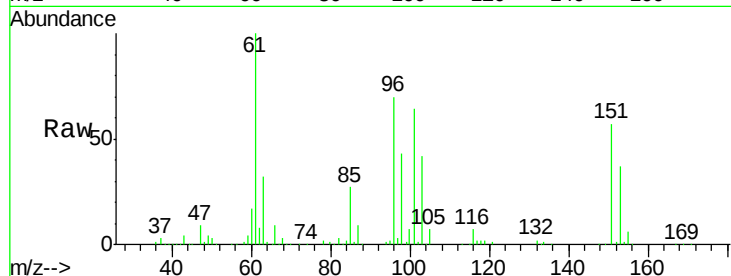
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 418698 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.2  | 32.3  | 48.5   |
| 151       | 88.8  | 69.4  | 104.0  |

Manual Integrations  
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MMDadoda  
8/14/2019 9:23:48 AM



#10

Methyl Iodide

Concen: 52.279 ug/l

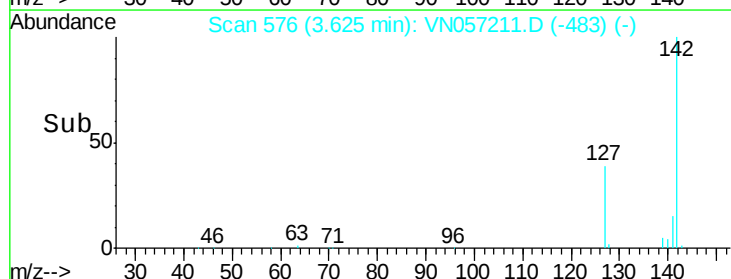
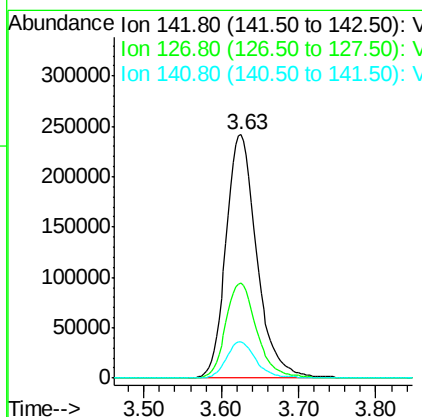
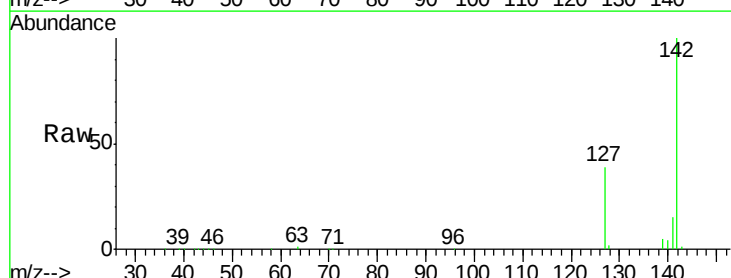
RT: 3.63 min Scan# 576

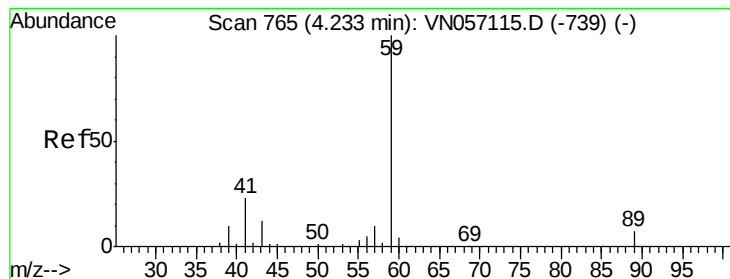
Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 667062 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 39.6  | 31.0  | 46.6   |
| 141       | 14.4  | 11.2  | 16.8   |





#11

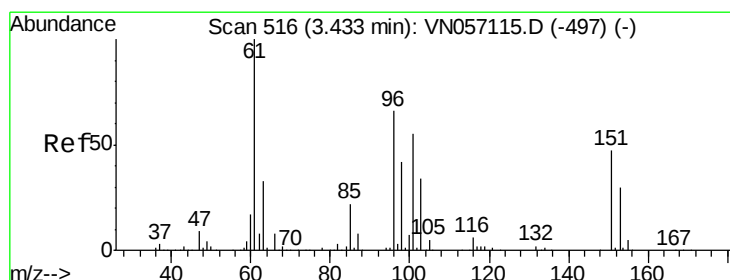
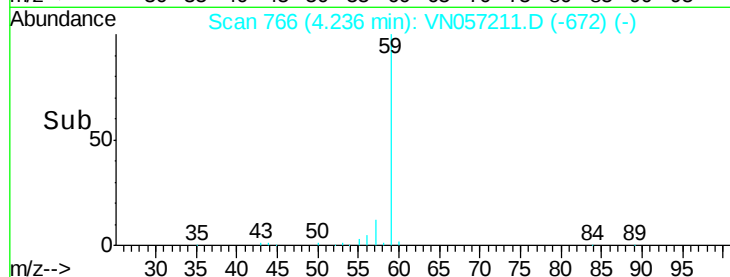
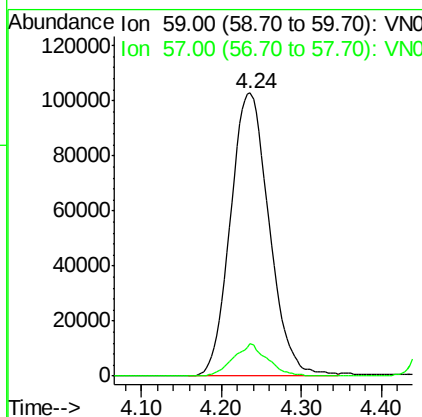
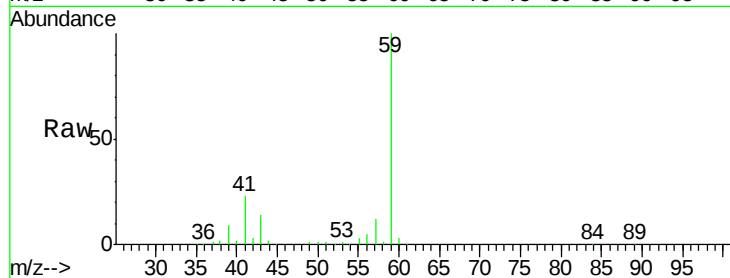
Tert butyl alcohol  
 Concen: 237.280 ug/l  
 RT: 4.24 min Scan# 766  
 Delta R.T. 0.00 min  
 Lab File: VN057211.D  
 Acq: 12 Aug 2019 13:03

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.1  | 7.9   | 11.9  |

Manual Integrations  
 APPROVED

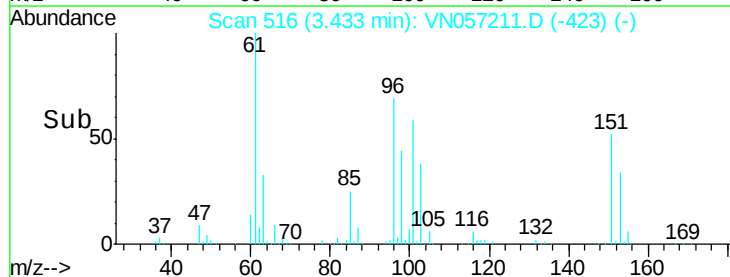
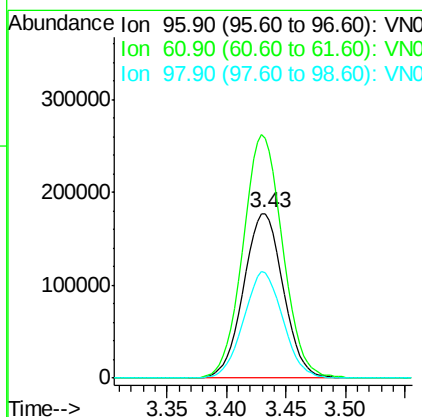
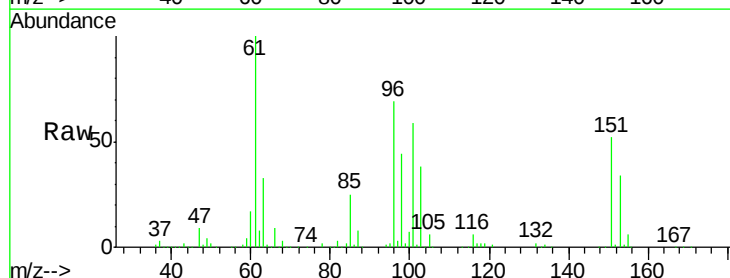
MMDadoda  
 8/14/2019 9:23:48 AM

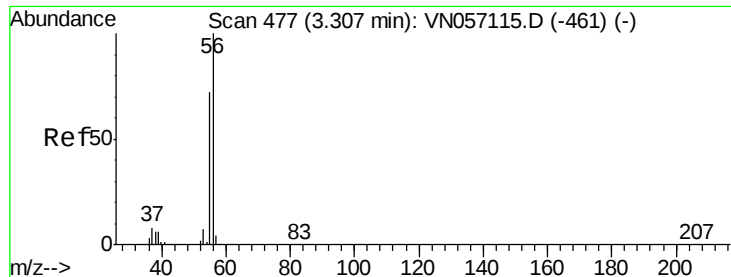


#12

1,1-Dichloroethene  
 Concen: 49.388 ug/l  
 RT: 3.43 min Scan# 516  
 Delta R.T. -0.00 min  
 Lab File: VN057211.D  
 Acq: 12 Aug 2019 13:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 145.8 | 121.0 | 181.6 |
| 98      | 63.7  | 50.8  | 76.2  |





#13

Acrolein

Concen: 181.947 ug/l

RT: 3.31 min Scan# 477

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 164446

Ion Ratio Lower Upper

56 100

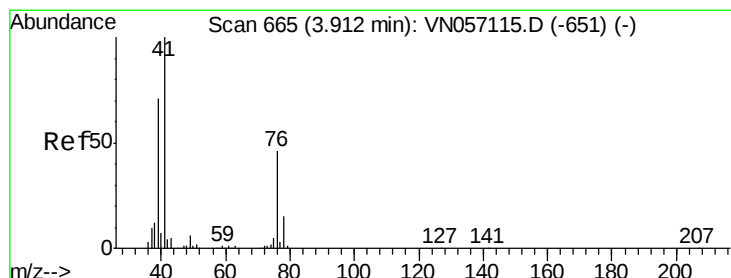
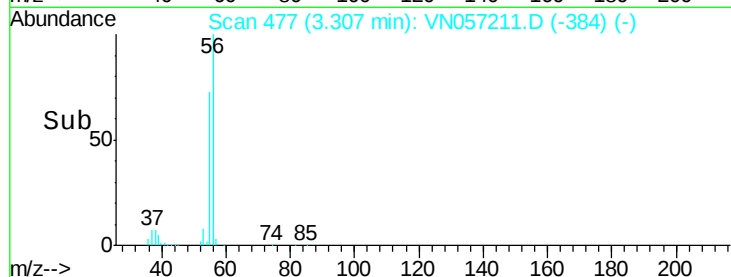
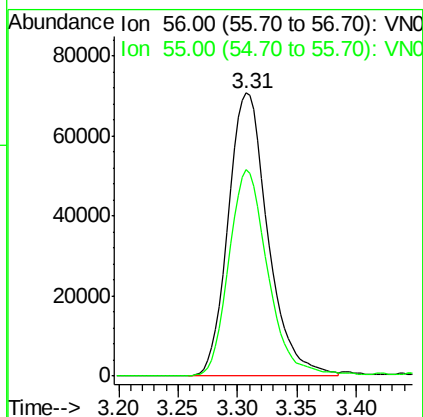
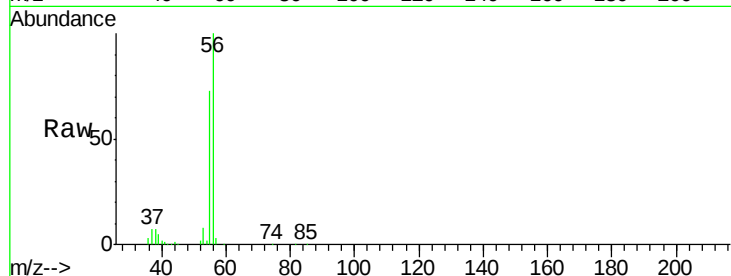
55 71.7 57.7 86.5

Manual Integrations

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MMDadoda

8/14/2019 9:23:48 AM



#14

Allyl chloride

Concen: 49.149 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

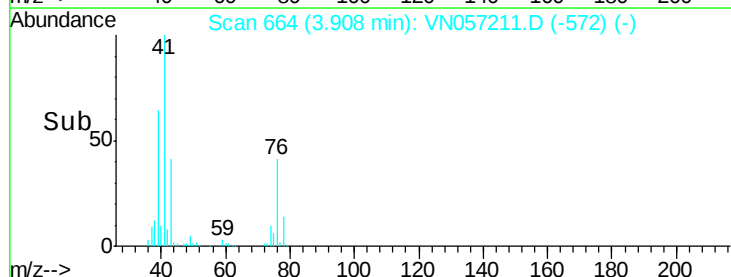
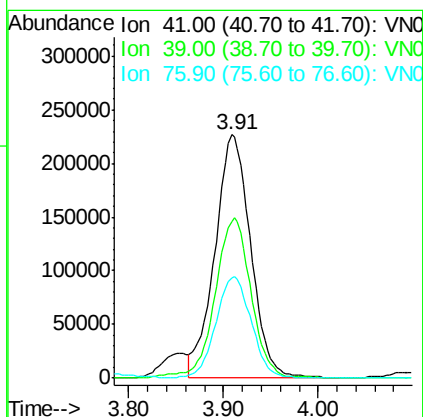
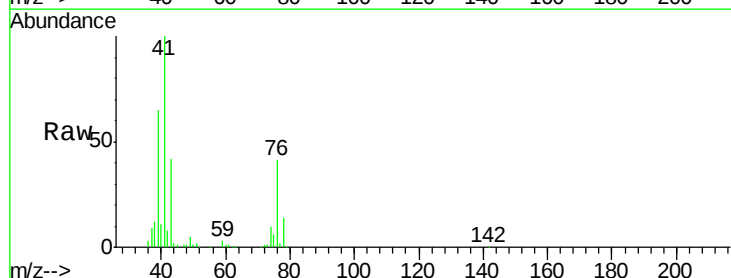
Tgt Ion: 41 Resp: 593307

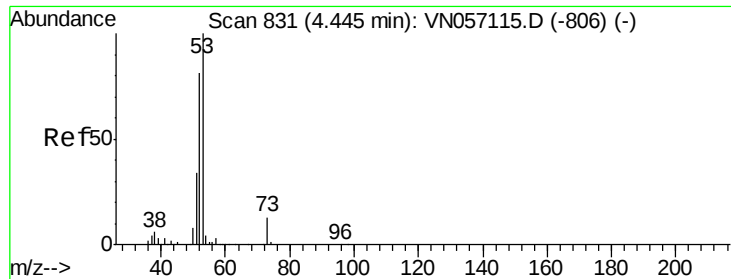
Ion Ratio Lower Upper

41 100

39 66.7 51.1 76.7

76 40.5 32.8 49.2





#15

Acrylonitrile

Concen: 248.788 ug/l

RT: 4.44 min Scan# 830

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

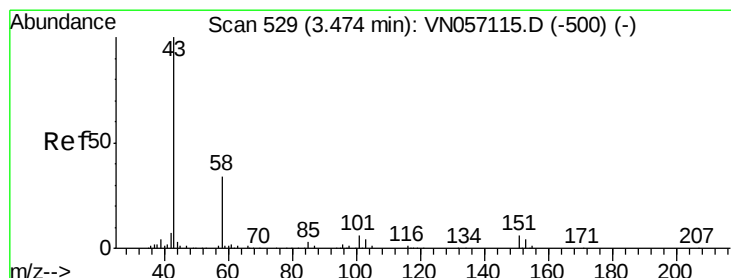
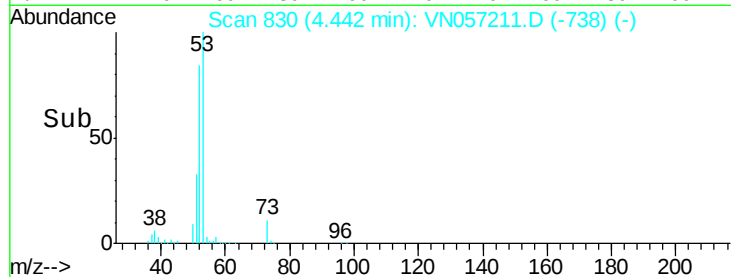
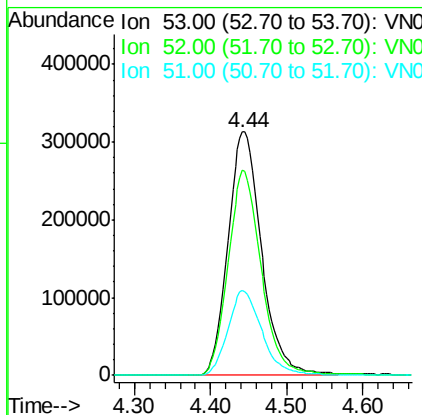
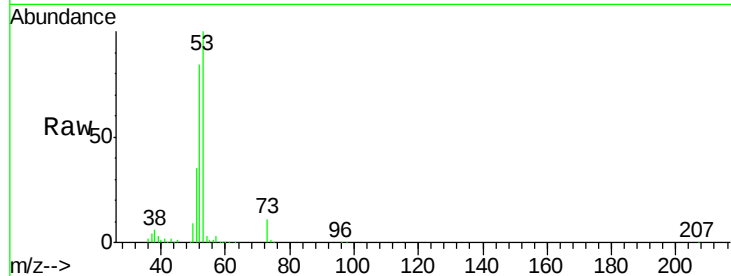
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 961972 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.9  | 64.9  | 97.3   |
| 51       | 35.3  | 27.8  | 41.6   |

Manual Integrations  
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#16

Acetone

Concen: 271.078 ug/l

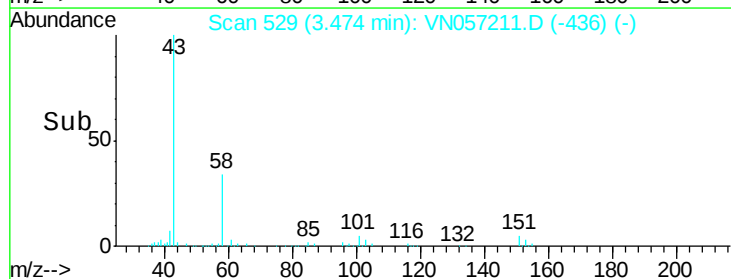
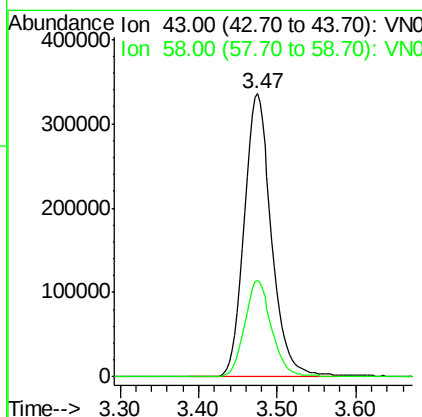
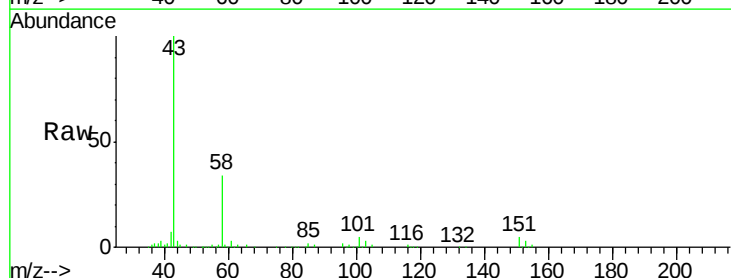
RT: 3.47 min Scan# 529

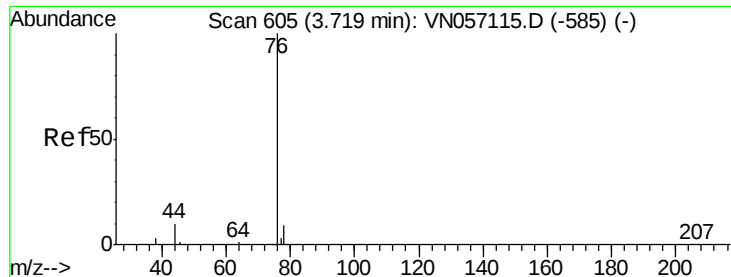
Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 821905 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 34.0  | 27.4  | 41.2   |





#17

Carbon Disulfide

Concen: 46.710 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1032215

Ion Ratio Lower Upper

76 100

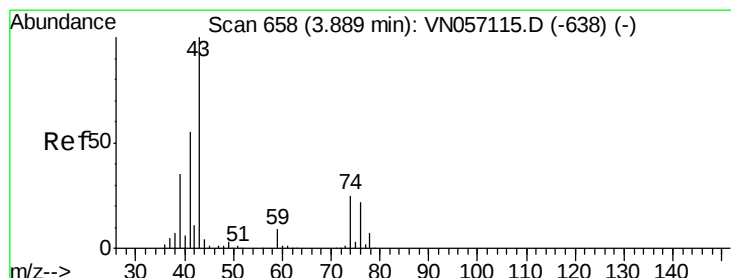
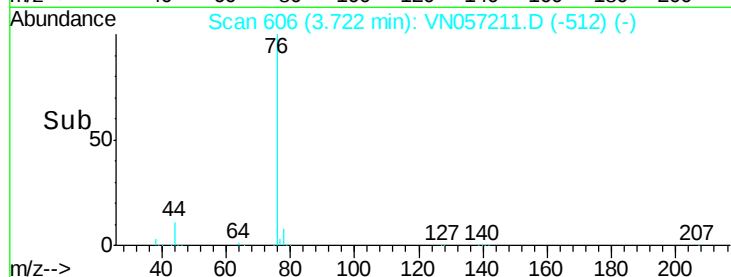
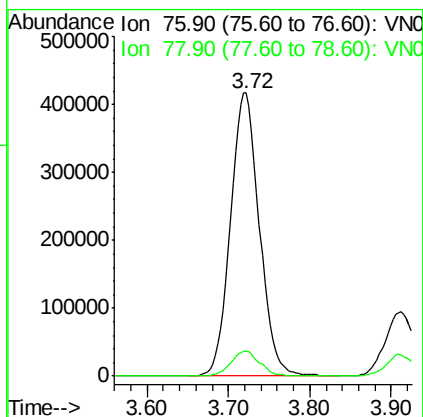
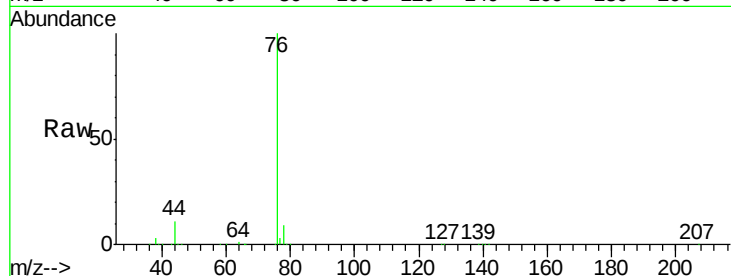
78 8.9 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

8/14/2019 9:23:48 AM



#18

Methyl Acetate

Concen: 50.776 ug/l

RT: 3.89 min Scan# 658

Delta R.T. 0.00 min

Lab File: VN057211.D

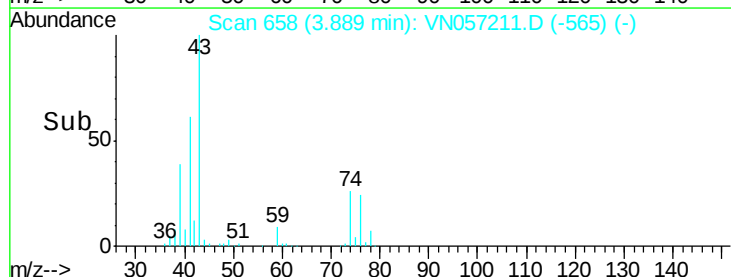
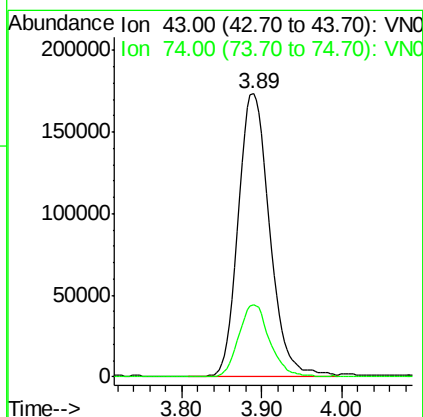
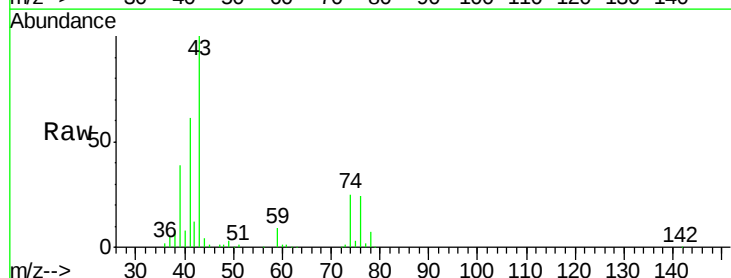
Acq: 12 Aug 2019 13:03

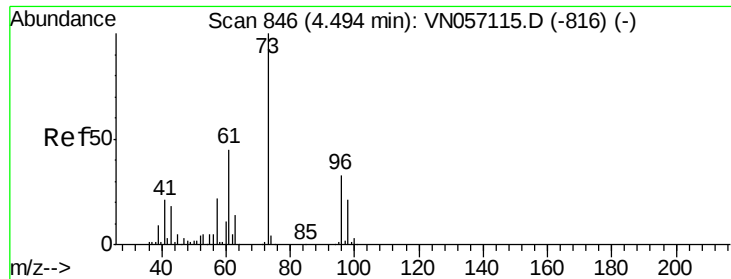
Tgt Ion: 43 Resp: 458598

Ion Ratio Lower Upper

43 100

74 25.2 20.2 30.4





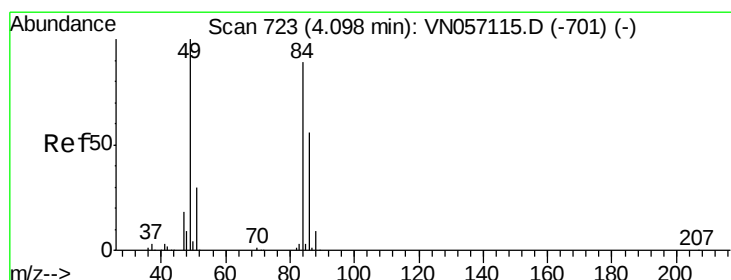
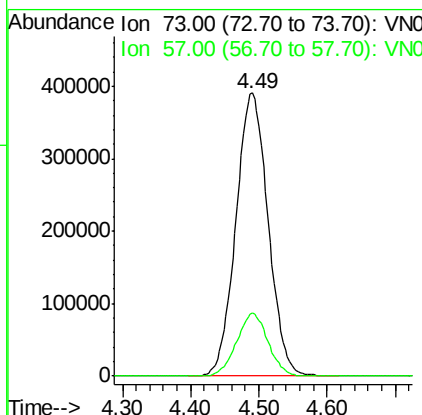
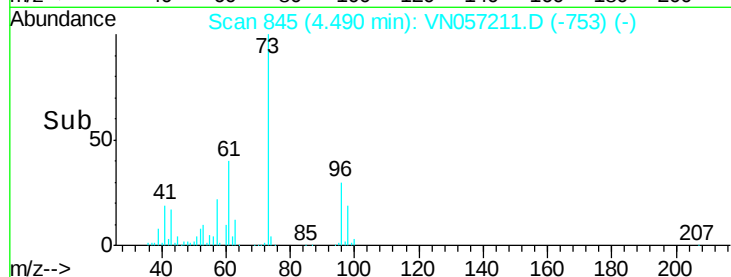
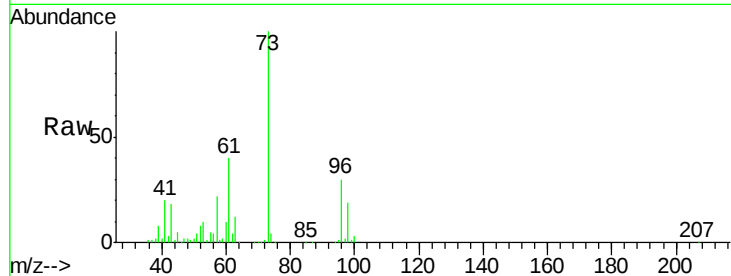
#19  
Methyl tert-butyl Ether  
Concen: 51.122 ug/l  
RT: 4.49 min Scan# 845  
Delta R.T. -0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 1282012  
Ion Ratio Lower Upper  
73 100  
57 22.2 18.0 27.0

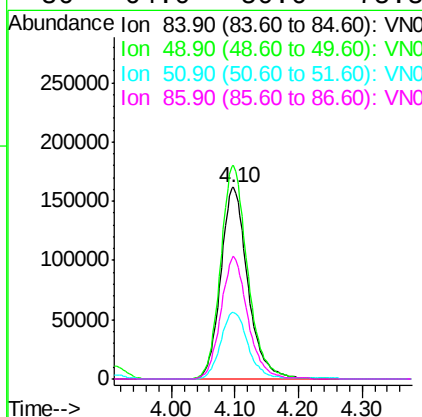
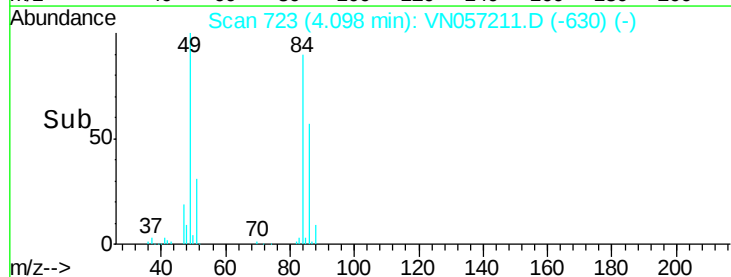
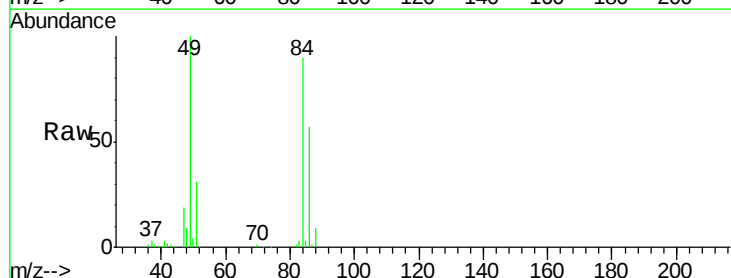
Manual Integrations  
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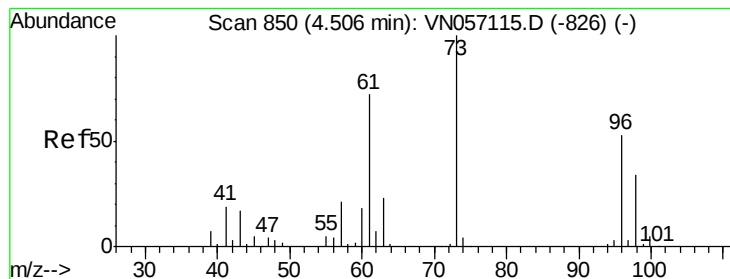
MMDadoda  
8/14/2019 9:23:48 AM



#20  
Methylene Chloride  
Concen: 47.726 ug/l  
RT: 4.10 min Scan# 723  
Delta R.T. -0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Tgt Ion: 84 Resp: 477570  
Ion Ratio Lower Upper  
84 100  
49 111.5 89.5 134.3  
51 34.8 27.2 40.8  
86 64.0 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 48.937 ug/l

RT: 4.50 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion: 96 Resp: 442813

Ion Ratio Lower Upper

96 100

61 130.2 108.1 162.1

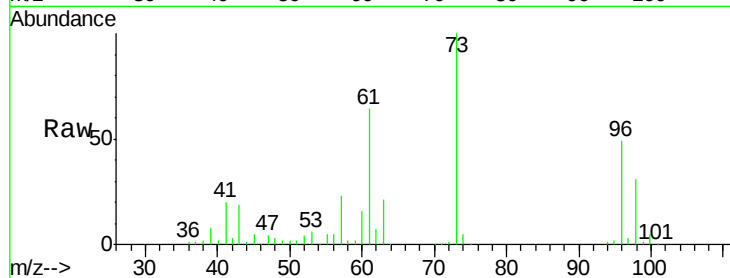
98 62.4 50.5 75.7

Manual Integrations

APPROVED

MMDadoda

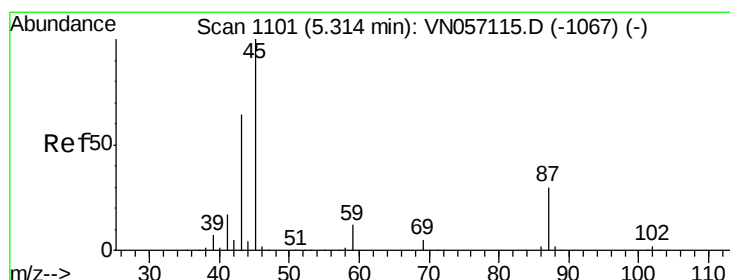
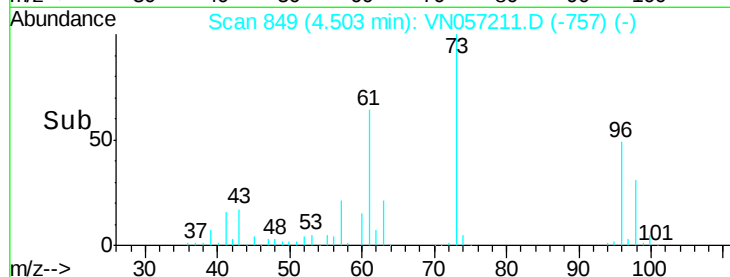
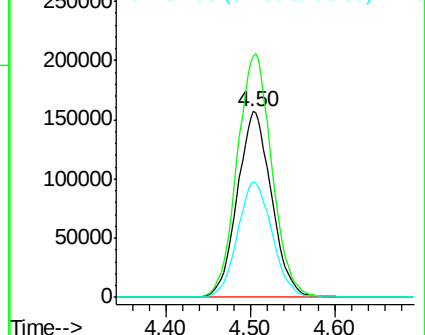
8/14/2019 9:23:48 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 49.471 ug/l

RT: 5.31 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Tgt Ion: 45 Resp: 1302635

Ion Ratio Lower Upper

45 100

43 69.2 54.1 81.1

87 31.0 24.0 36.0

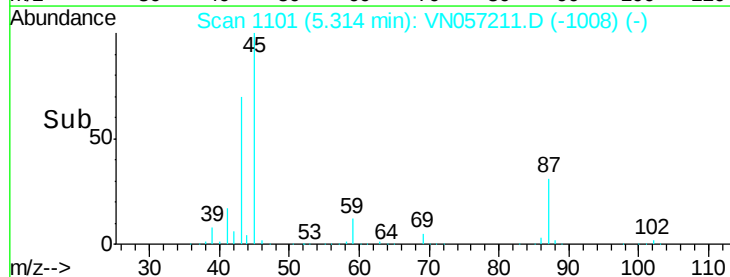
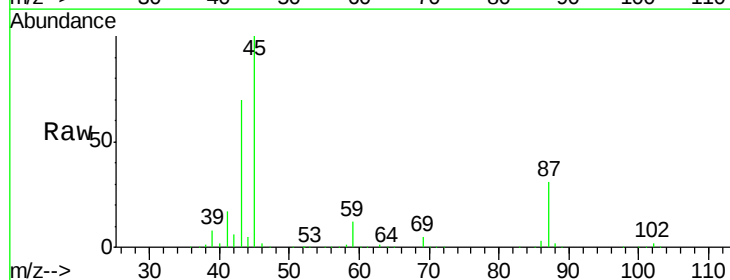
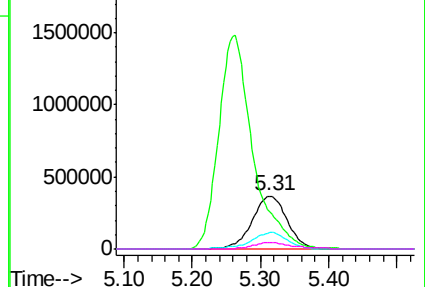
59 12.2 10.0 15.0

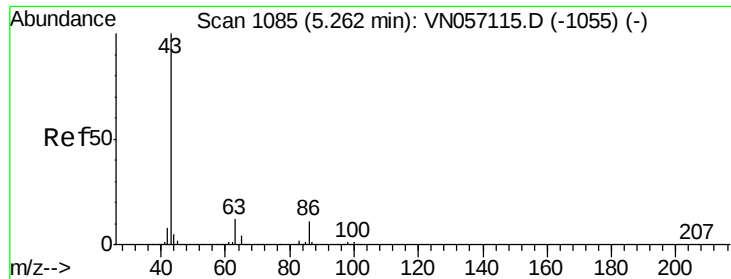
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 255.302 ug/l

RT: 5.26 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 5147743

Ion Ratio Lower Upper

43 100

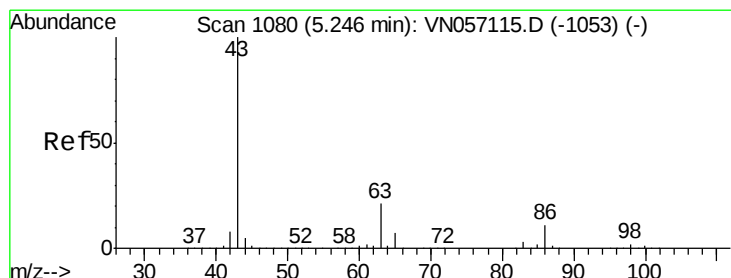
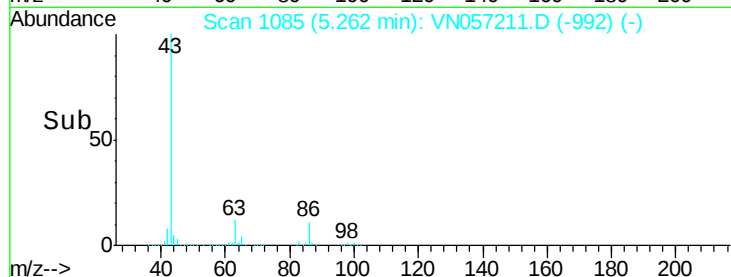
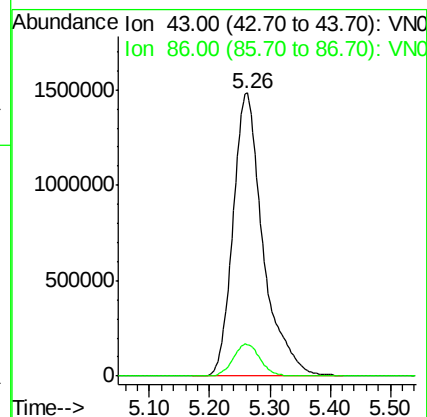
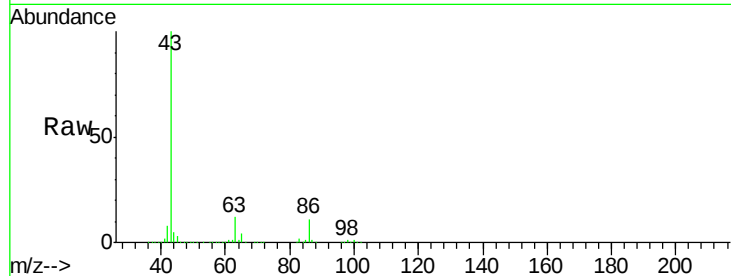
86 11.2 9.2 13.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.697 ug/l

RT: 5.25 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

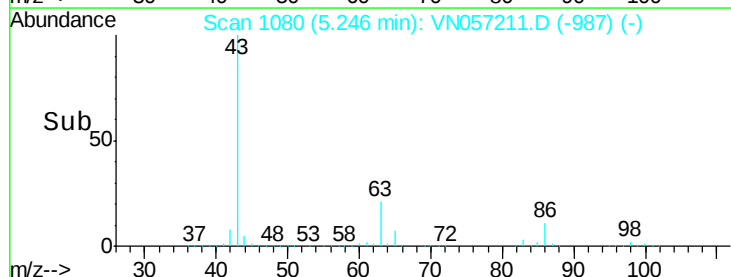
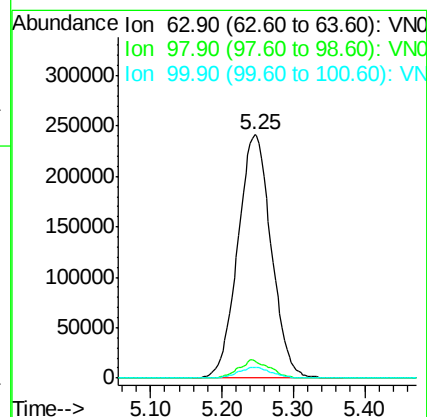
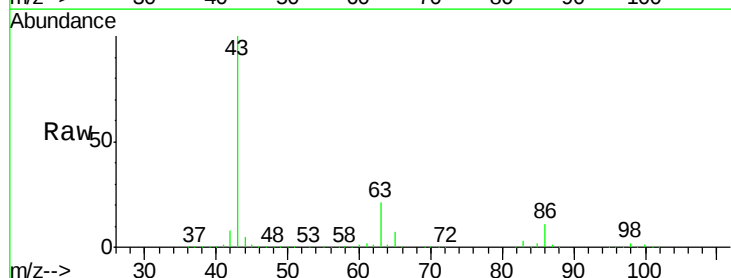
Tgt Ion: 63 Resp: 788245

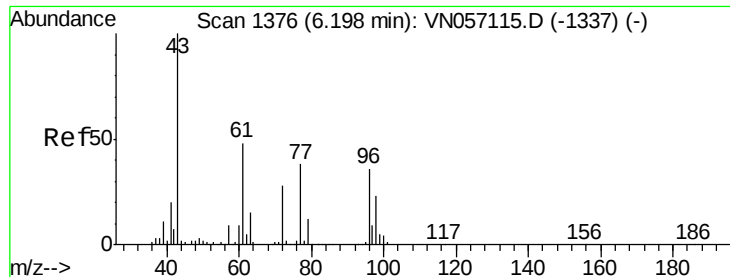
Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.2

100 4.6 2.1 6.3





#25

2-Butanone

Concen: 258.625 ug/l

RT: 6.20 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1198058

Ion Ratio Lower Upper

43 100

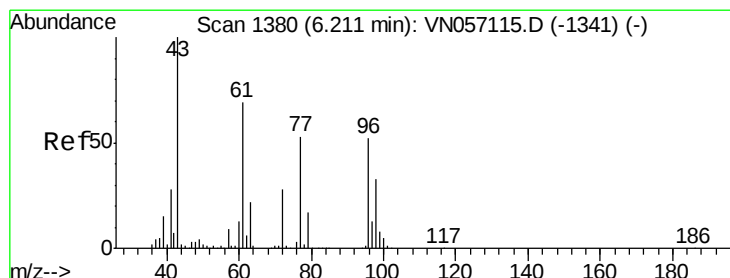
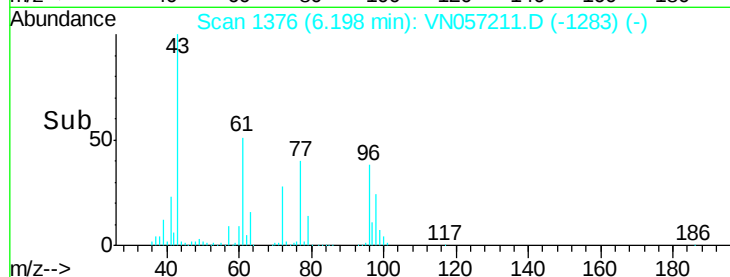
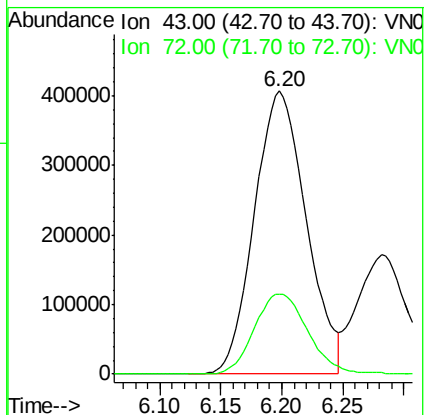
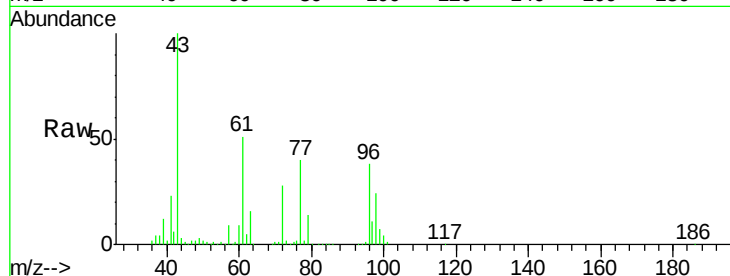
72 28.5 22.2 33.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 55.708 ug/l

RT: 6.21 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VN057211.D

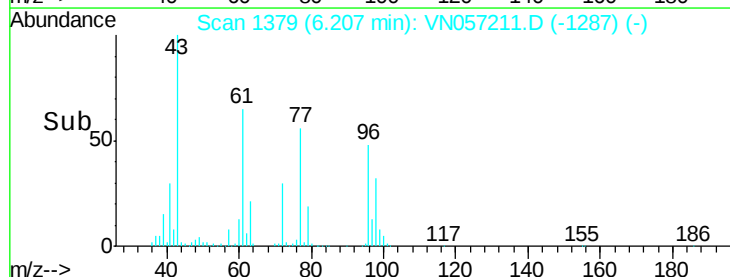
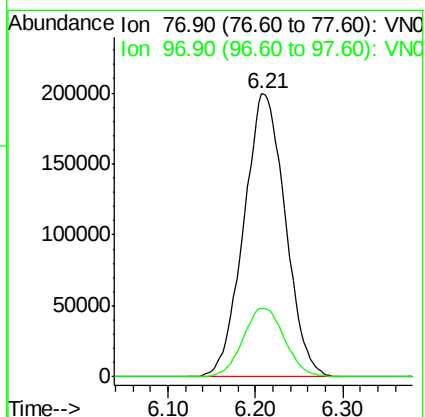
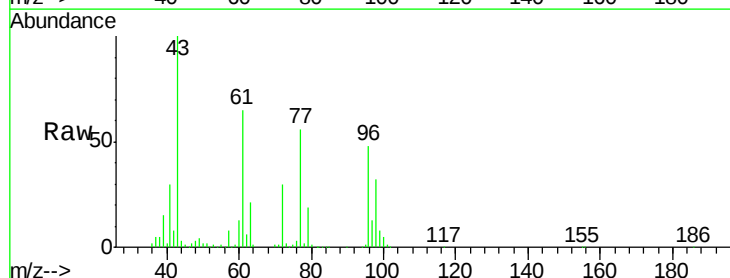
Acq: 12 Aug 2019 13:03

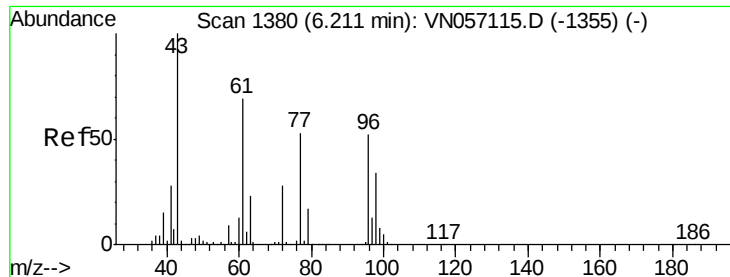
Tgt Ion: 77 Resp: 656030

Ion Ratio Lower Upper

77 100

97 24.4 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 50.321 ug/l

RT: 6.21 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

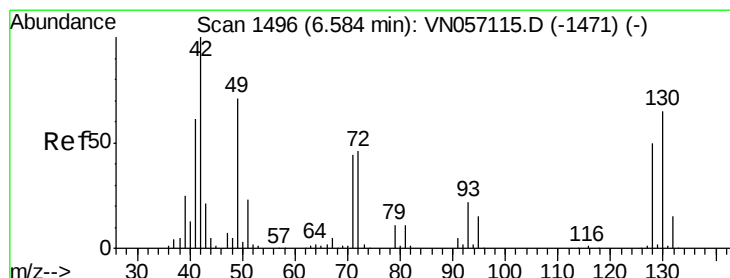
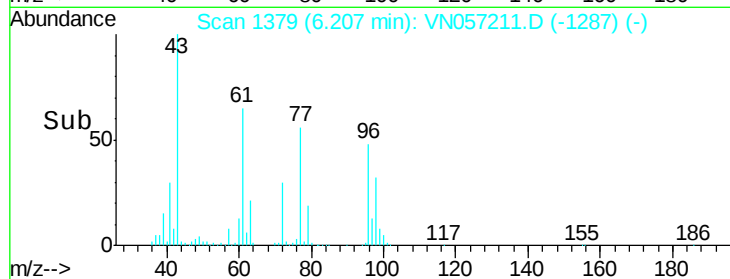
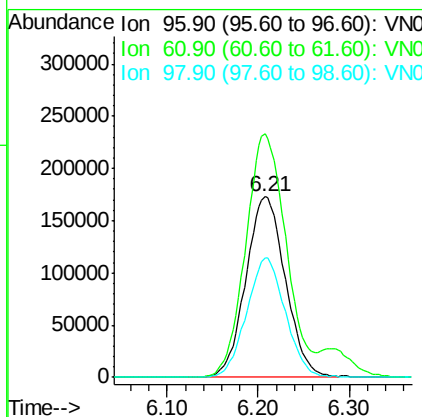
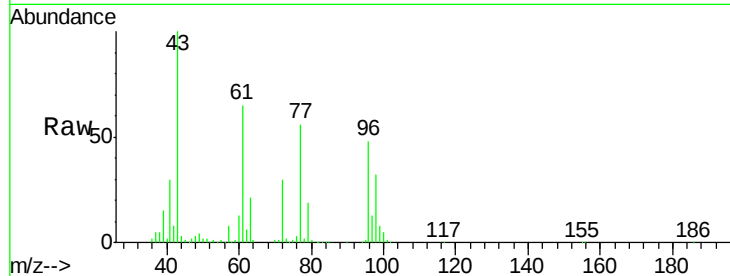
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 521643 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 137.7 | 0.0   | 273.4  |
| 98       | 64.9  | 0.0   | 130.4  |

Manual Integrations  
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#28

Bromochloromethane

Concen: 53.157 ug/l

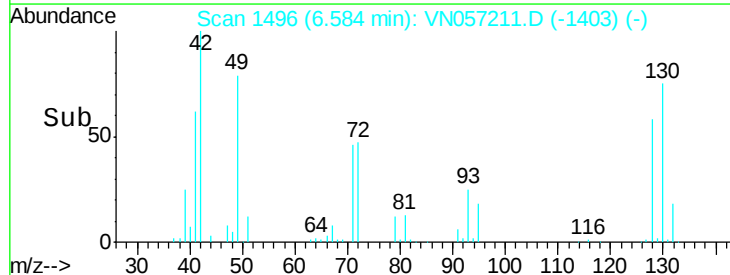
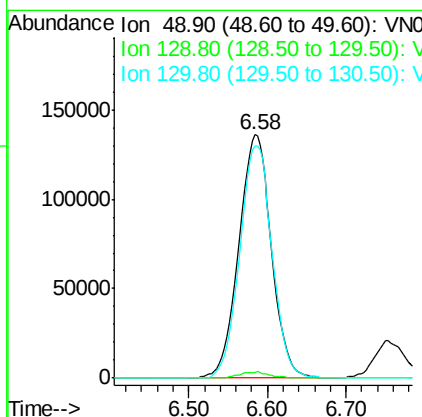
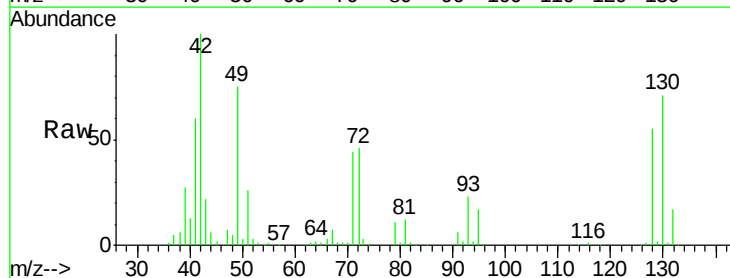
RT: 6.58 min Scan# 1496

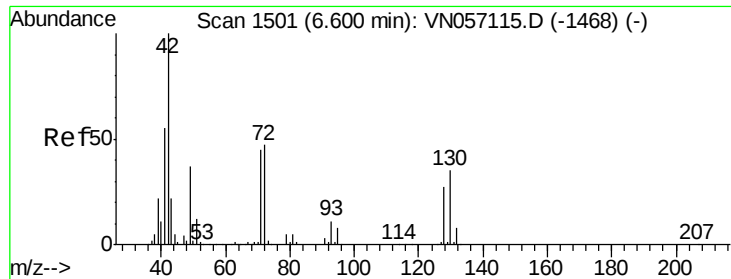
Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 395770 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 1.0   | 0.0   | 4.8    |
| 130      | 95.3  | 73.8  | 110.8  |





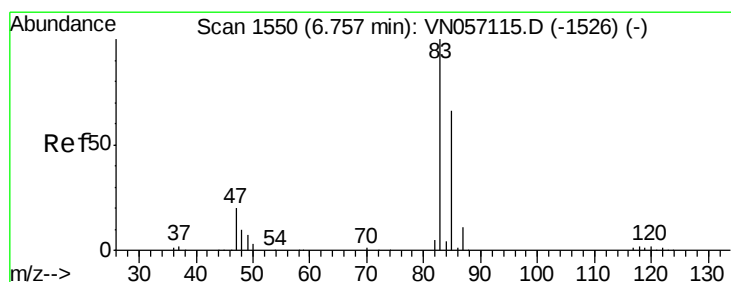
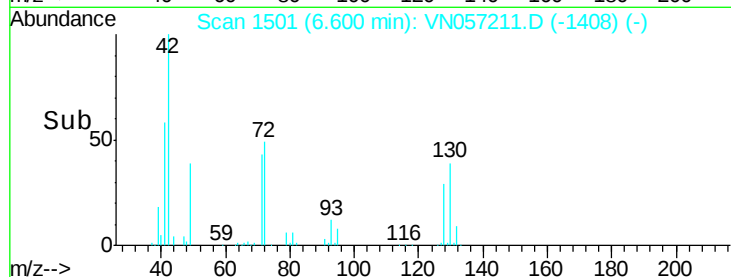
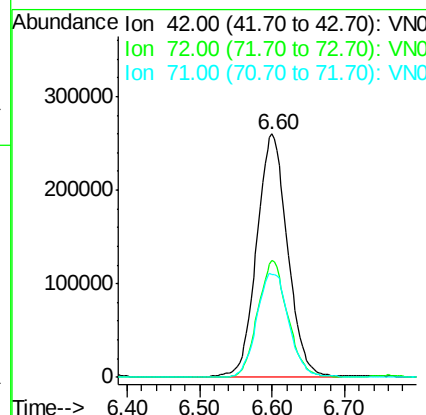
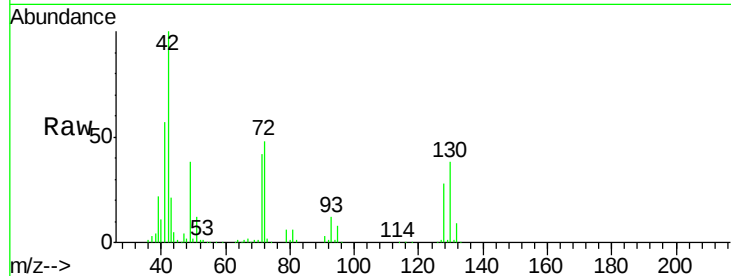
#29  
Tetrahydrofuran  
Concen: 246.458 ug/l  
RT: 6.60 min Scan# 1501  
Delta R.T. -0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 46.6  | 37.1  | 55.7  |
| 71      | 44.4  | 34.8  | 52.2  |

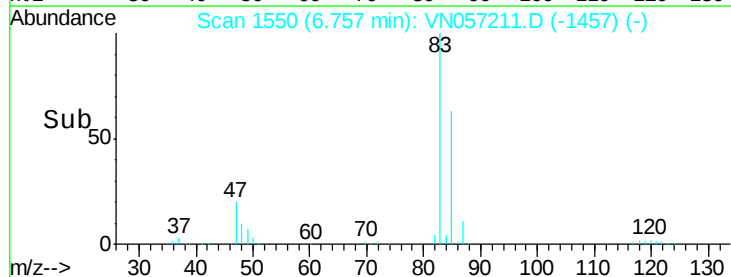
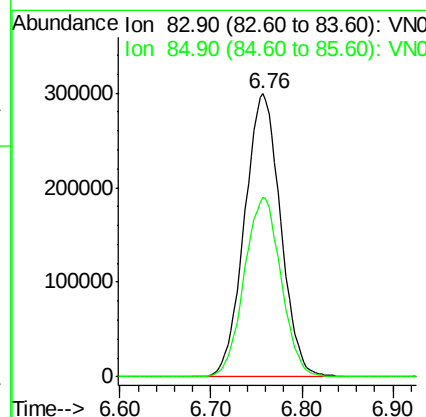
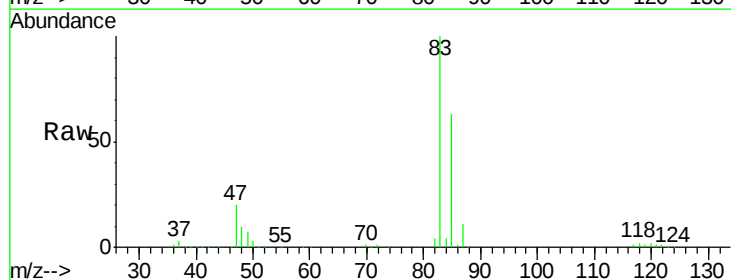
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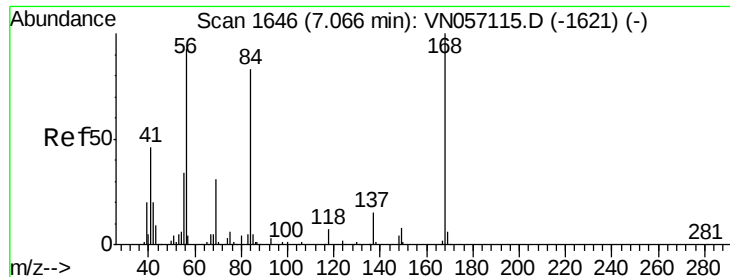
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#30  
Chloroform  
Concen: 49.222 ug/l  
RT: 6.76 min Scan# 1550  
Delta R.T. -0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.5  | 52.6  | 78.8  |





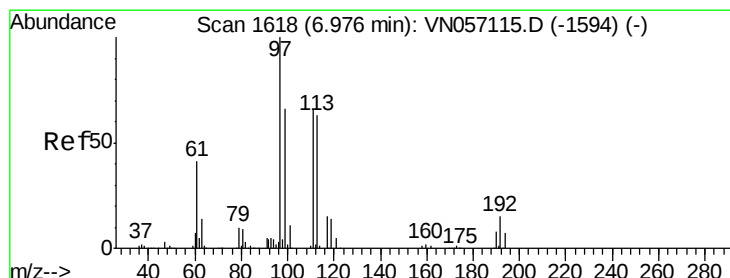
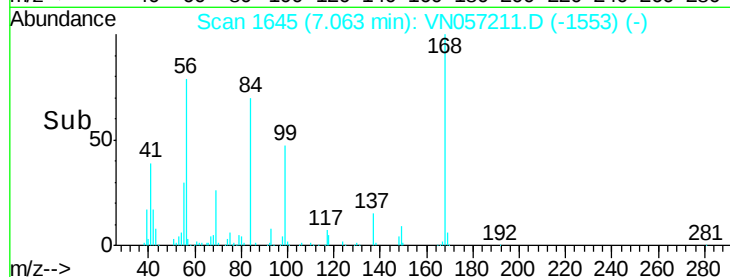
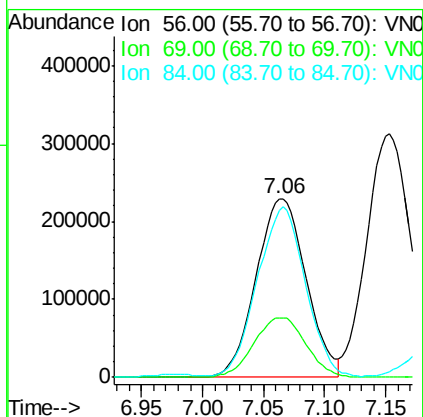
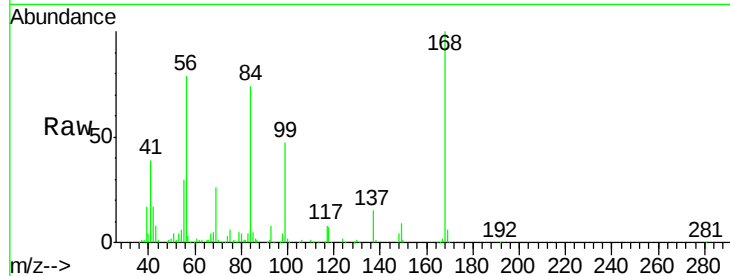
#31  
Cyclohexane  
Concen: 44.933 ug/l  
RT: 7.06 min Scan# 1645  
Delta R.T. -0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 33.4  | 26.9  | 40.3  |
| 84      | 91.7  | 71.9  | 107.9 |

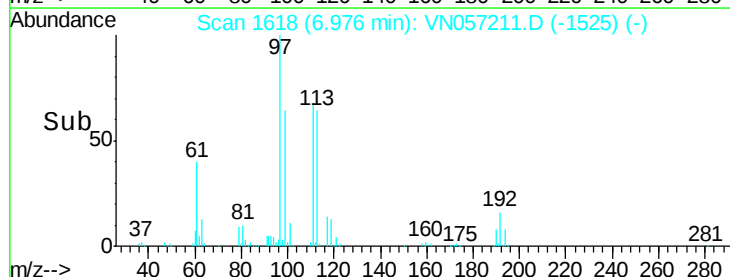
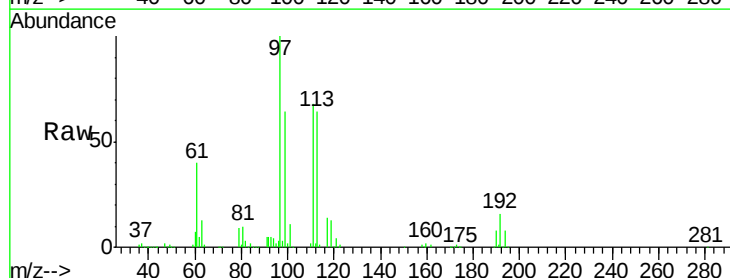
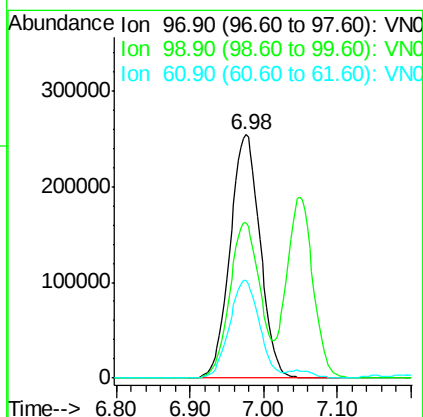
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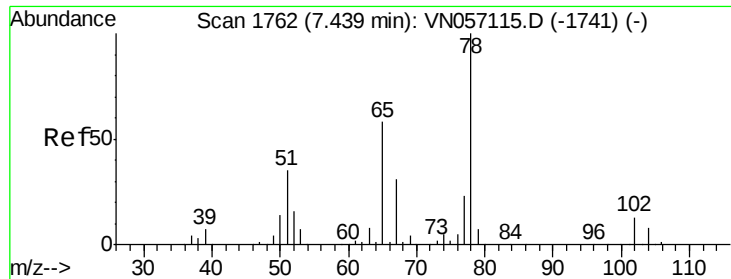
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#32  
1,1,1-Trichloroethane  
Concen: 51.137 ug/l  
RT: 6.98 min Scan# 1618  
Delta R.T. -0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.1  | 51.8  | 77.6  |
| 61      | 40.2  | 32.7  | 49.1  |





#33

1,2-Dichloroethane-d4

Concen: 51.405 ug/l

RT: 7.44 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 516086

Ion Ratio Lower Upper

65 100

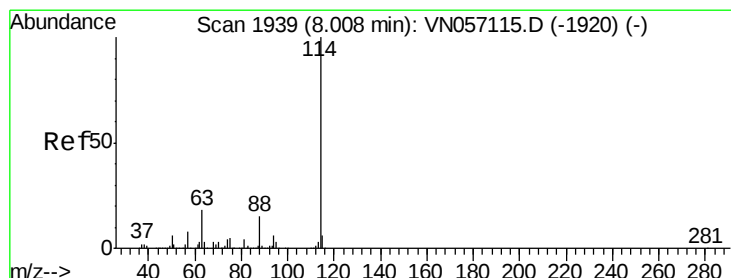
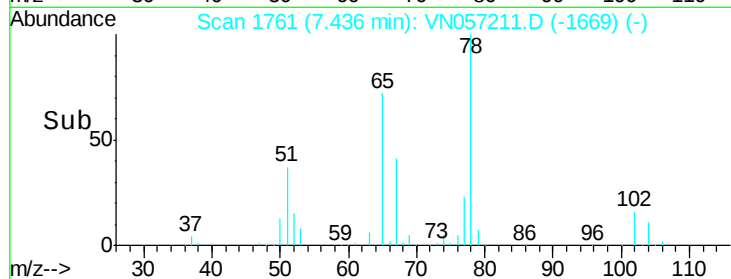
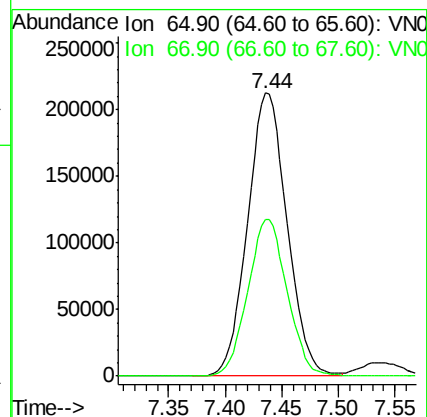
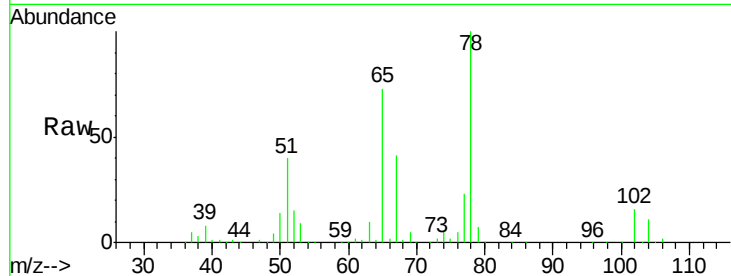
67 55.2 0.0 108.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

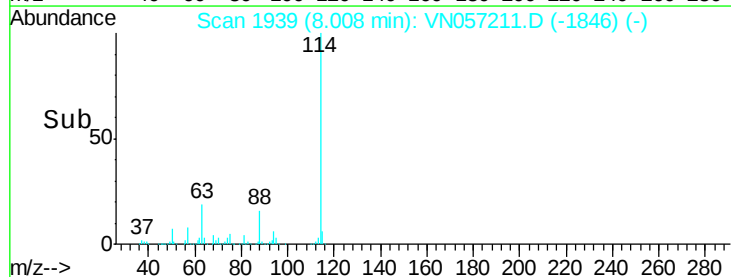
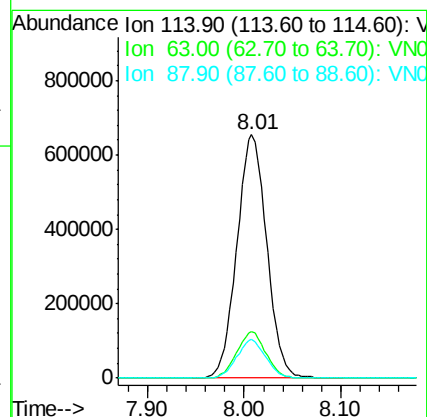
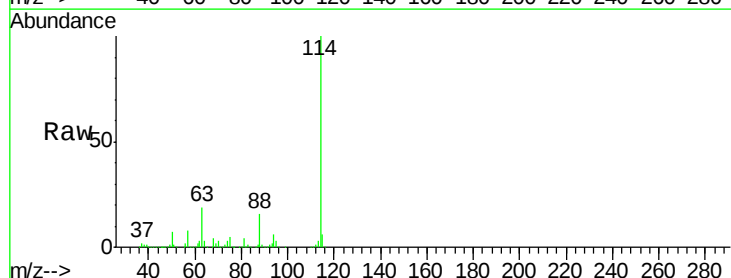
Tgt Ion: 114 Resp: 1402256

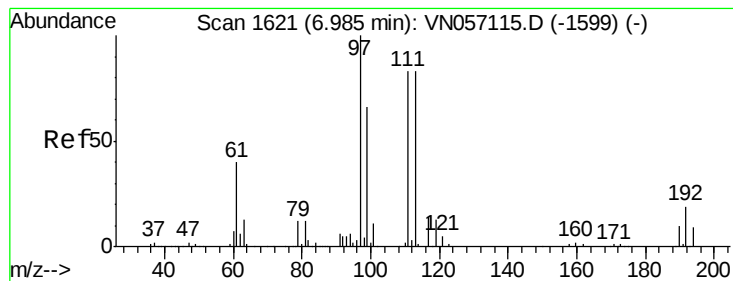
Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.2

88 15.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 53.432 ug/l

RT: 6.98 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

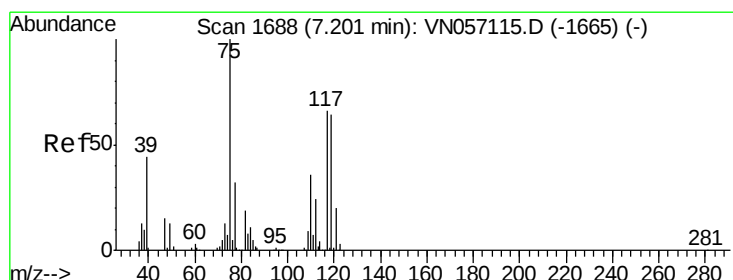
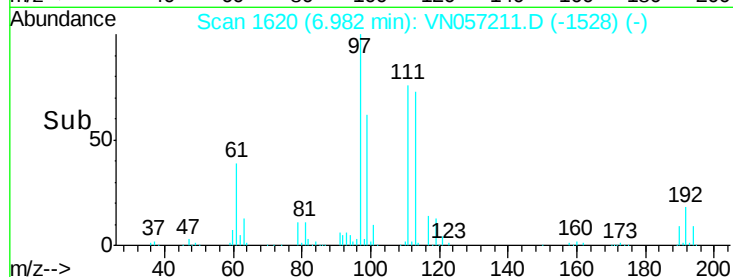
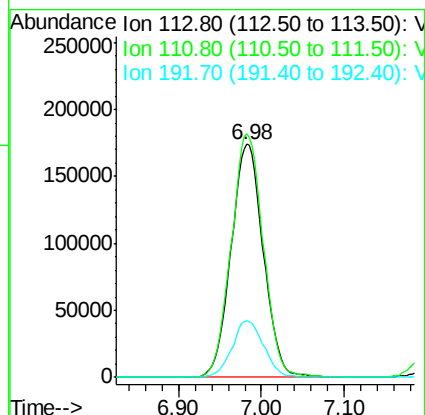
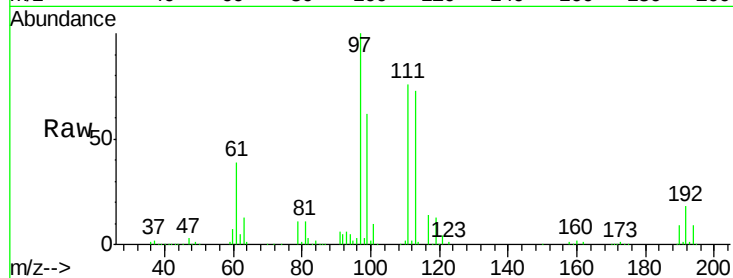
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 470168 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 104.3 | 81.3  | 121.9  |
| 192       | 23.9  | 19.0  | 28.4   |

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#36

1,1-Dichloropropene

Concen: 52.446 ug/l

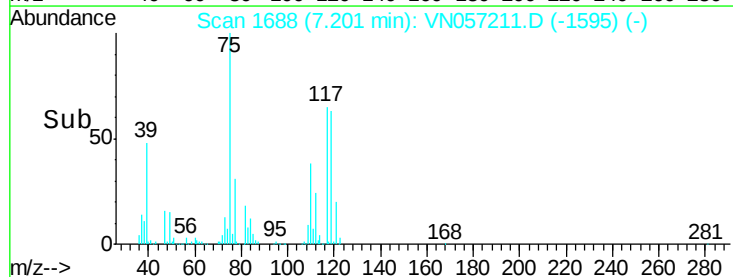
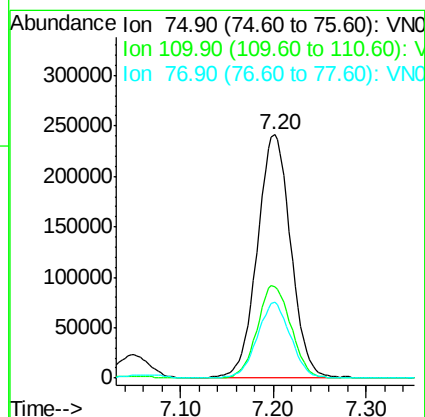
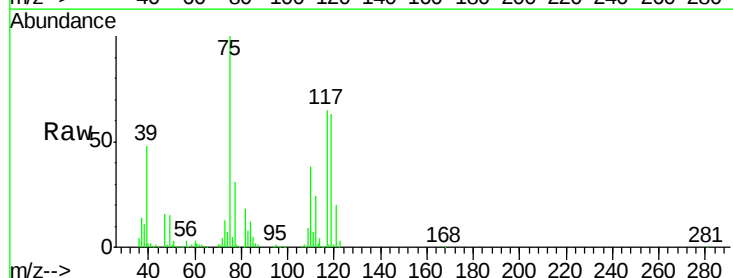
RT: 7.20 min Scan# 1688

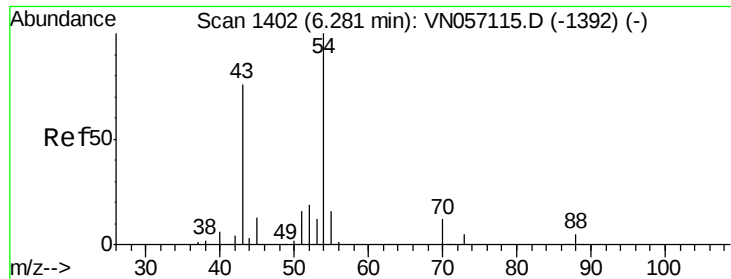
Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 605515 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 38.4  | 18.7  | 56.1   |
| 77        | 30.9  | 25.0  | 37.4   |





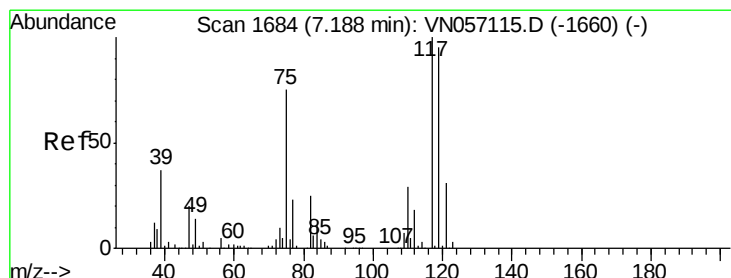
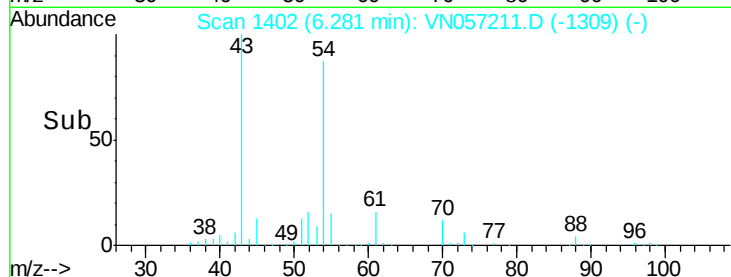
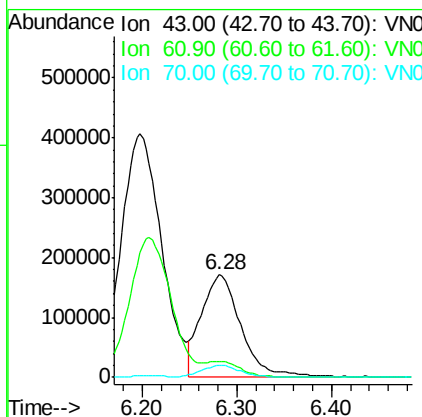
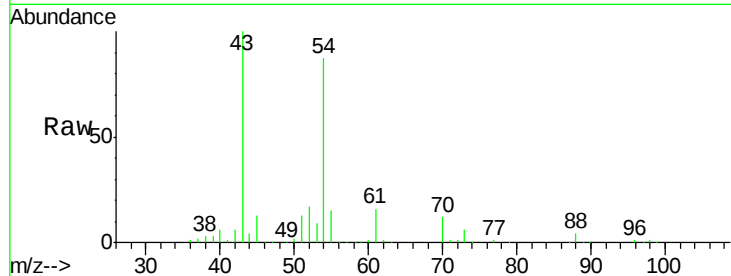
#37  
Ethyl Acetate  
Concen: 51.471 ug/l  
RT: 6.28 min Scan# 1402  
Delta R.T. 0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 489868 |       |       |
| 61      | 0.0   | 0.0    | 0.0   | 0.0   |
| 70      | 11.5  | 9.1    | 13.7  |       |

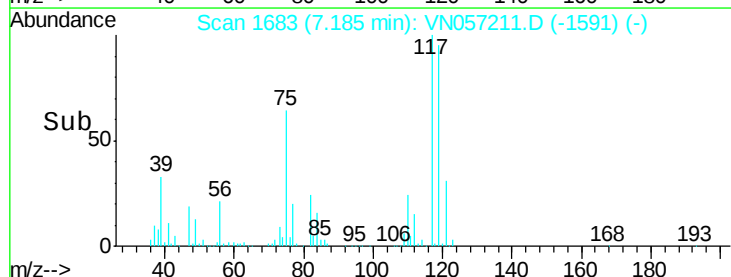
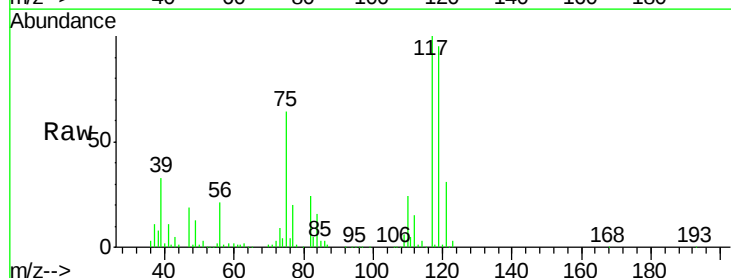
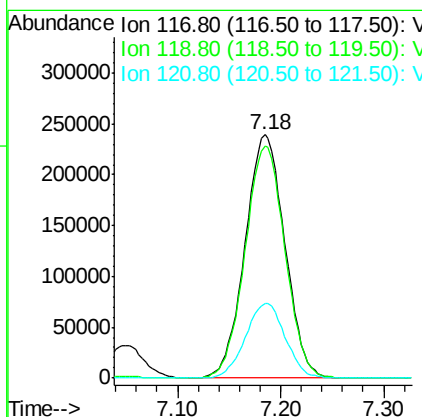
Manual Integrations  
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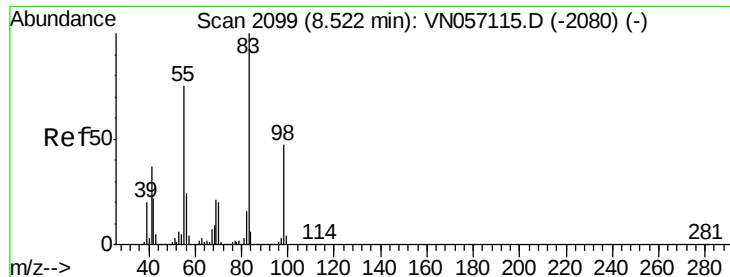
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#38  
Carbon Tetrachloride  
Concen: 53.008 ug/l  
RT: 7.18 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 637818 |       |       |
| 119     | 95.5  | 75.8   | 113.6 |       |
| 121     | 30.8  | 24.4   | 36.6  |       |





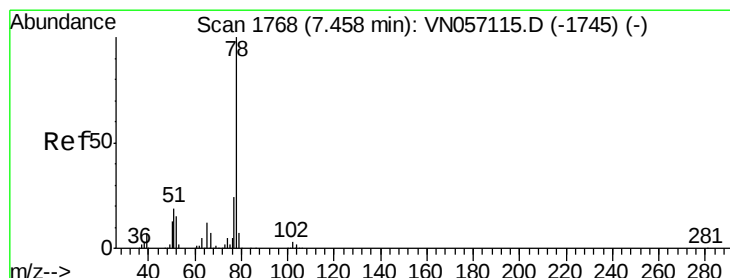
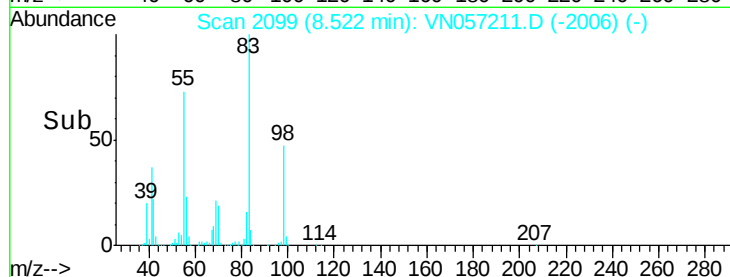
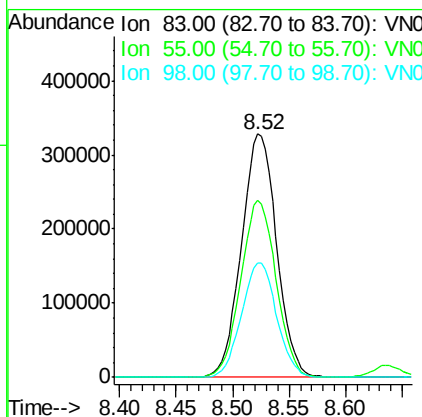
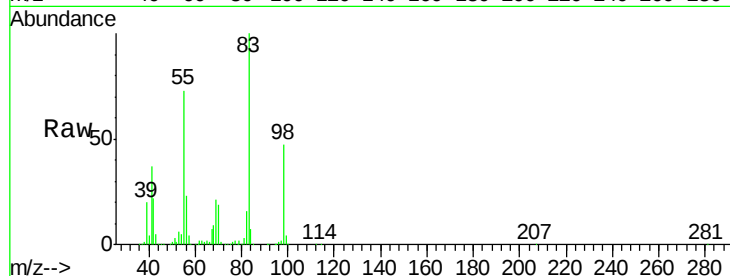
#39  
Methvlcvclohexane  
Concen: 50.658 ug/l  
RT: 8.52 min Scan# 2099  
Delta R.T. -0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 72.9  | 60.3  | 90.5  |
| 98      | 46.8  | 37.9  | 56.9  |

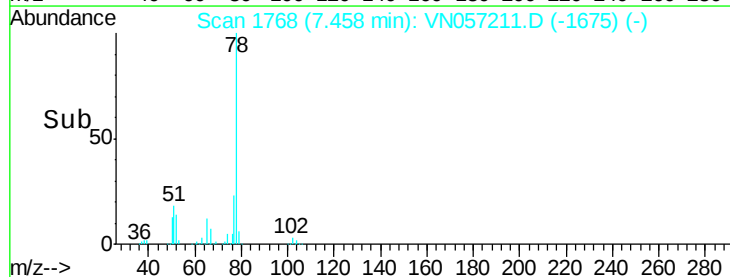
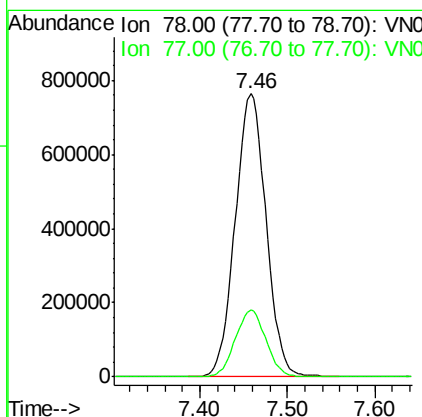
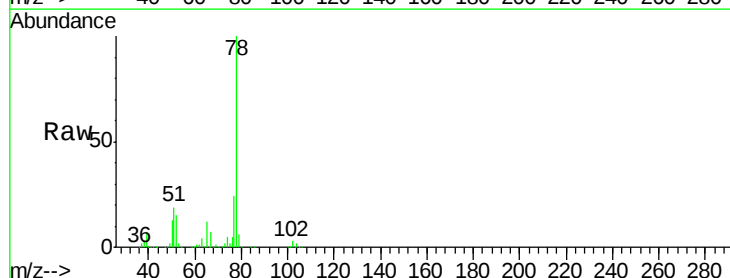
Manual Integrations  
APPROVED

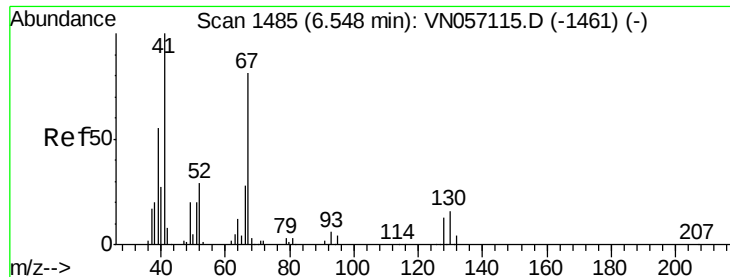
MMDadoda  
8/14/2019 9:23:48 AM



#40  
Benzene  
Concen: 51.211 ug/l  
RT: 7.46 min Scan# 1768  
Delta R.T. -0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.7  | 19.2  | 28.8  |





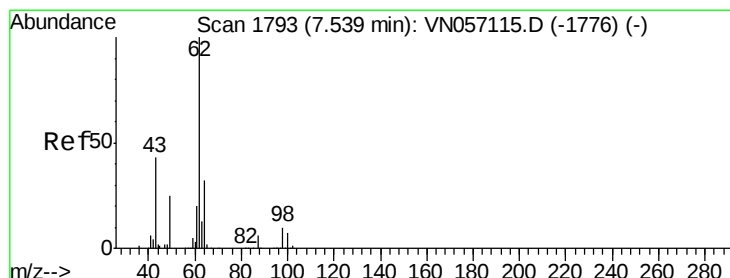
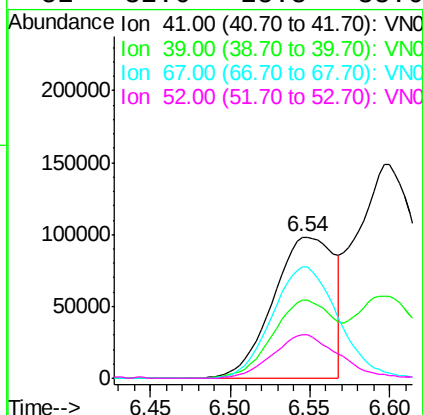
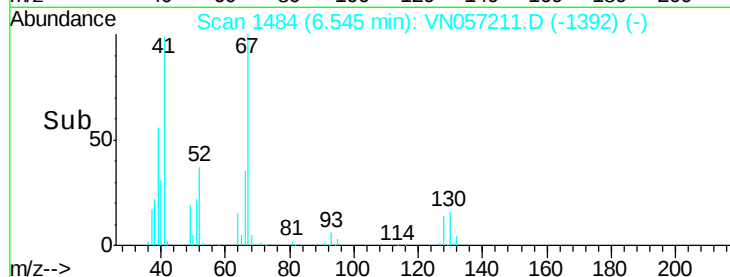
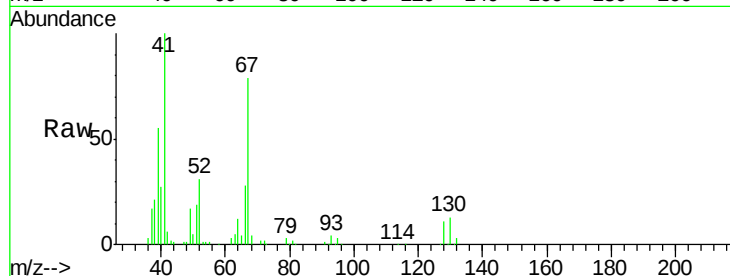
#41  
Methacrylonitrile  
Concen: 54.240 ug/l  
RT: 6.54 min Scan# 1484  
Delta R.T. -0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 41    | Resp  | 262222 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 41      | 100   |       |        |
| 39      | 56.2  | 44.9  | 67.3   |
| 67      | 85.5  | 69.1  | 103.7  |
| 52      | 32.6  | 25.8  | 38.6   |

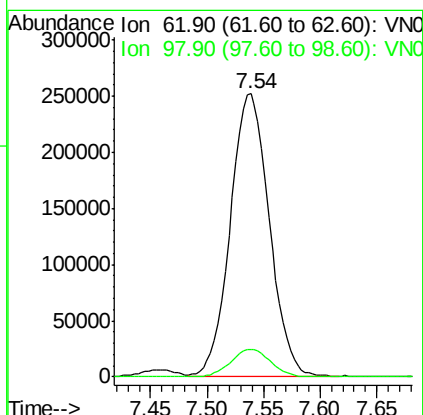
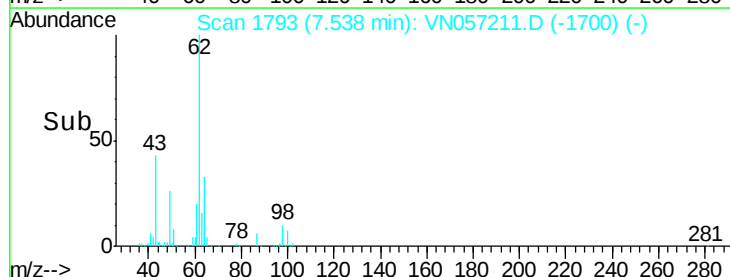
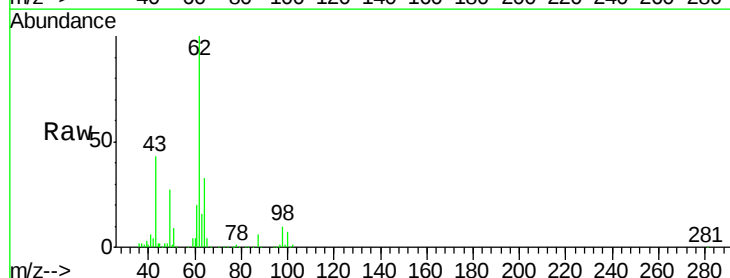
Manual Integrations  
APPROVED

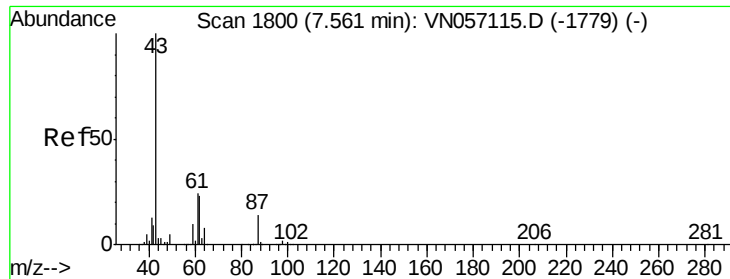
MMDadoda  
8/14/2019 9:23:48 AM



#42  
1,2-Dichloroethane  
Concen: 51.616 ug/l  
RT: 7.54 min Scan# 1793  
Delta R.T. -0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

| Tgt Ion | 62    | Resp  | 601675 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 62      | 100   |       |        |
| 98      | 10.1  | 0.0   | 19.4   |





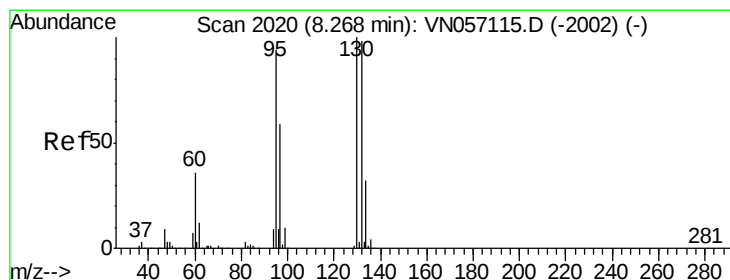
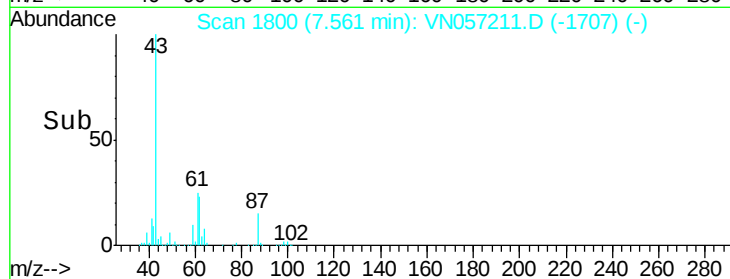
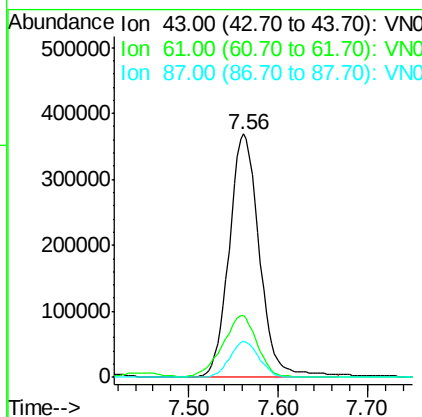
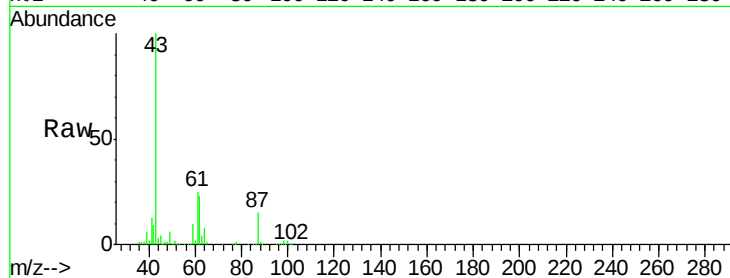
#43  
Isopropyl Acetate  
Concen: 53.192 ug/l  
RT: 7.56 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 28.9  | 24.2  | 36.2  |
| 87      | 14.4  | 11.8  | 17.8  |

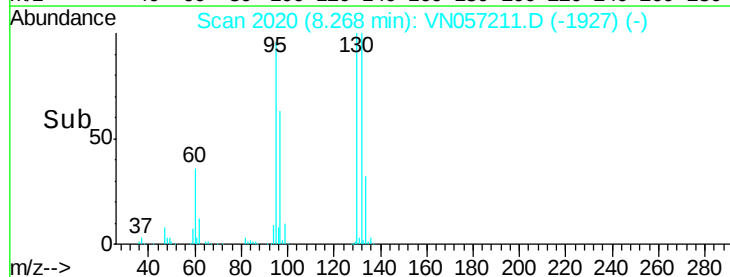
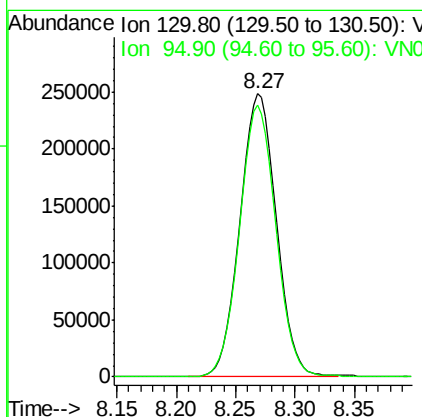
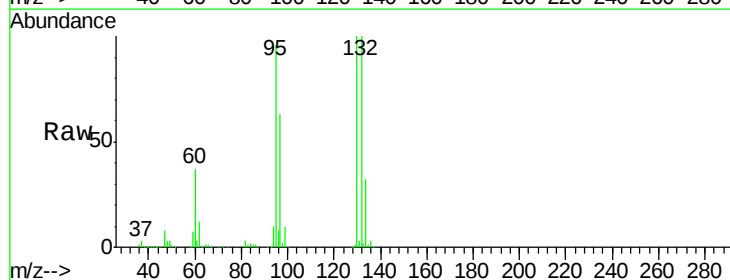
Manual Integrations  
APPROVED

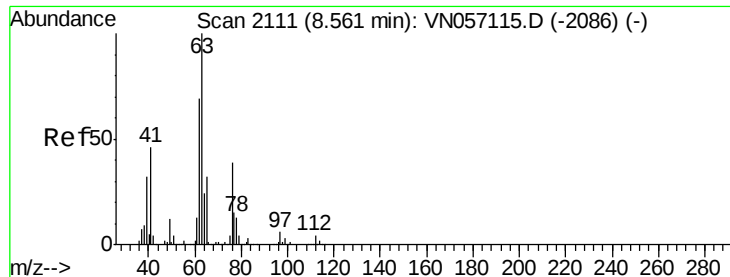
MMDadoda  
8/14/2019 9:23:48 AM



#44  
Trichloroethene  
Concen: 51.569 ug/l  
RT: 8.27 min Scan# 2020  
Delta R.T. -0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 95.9  | 0.0   | 187.4 |





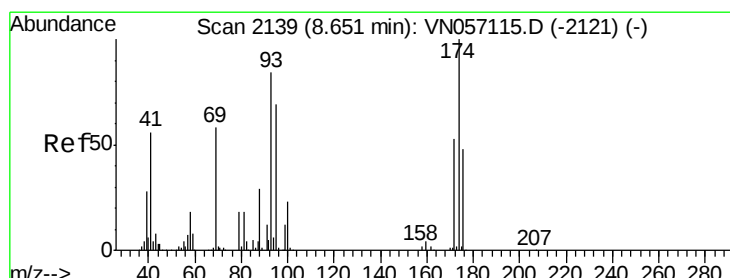
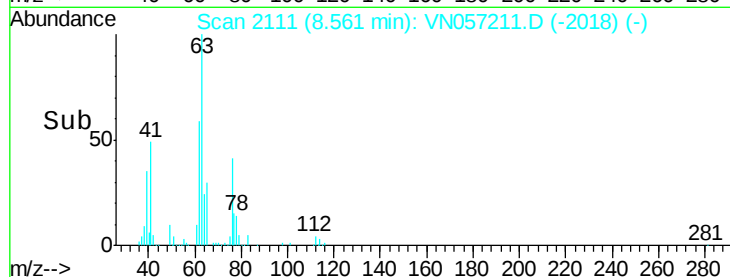
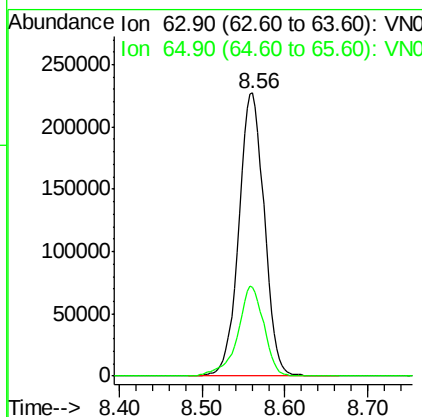
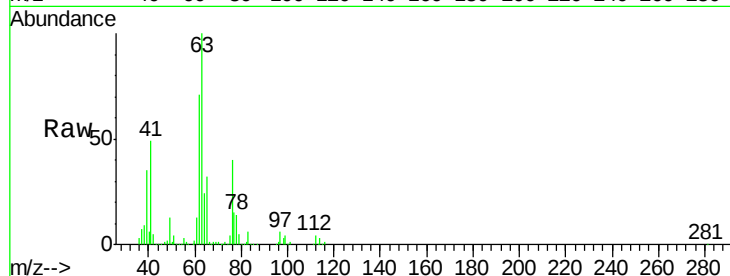
#45  
 1,2-Dichloropropane  
 Concen: 51.308 ug/l  
 RT: 8.56 min Scan# 2111  
 Delta R.T. -0.00 min  
 Lab File: VN057211.D  
 Acq: 12 Aug 2019 13:03

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.5  | 25.2  | 37.8  |

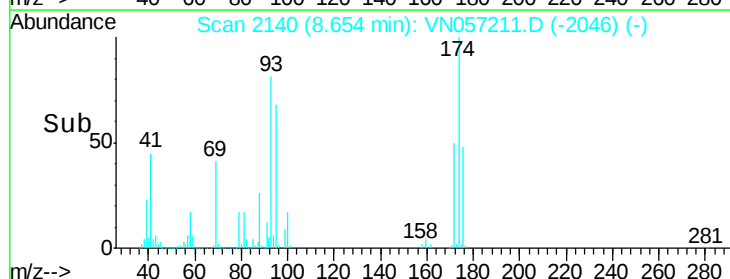
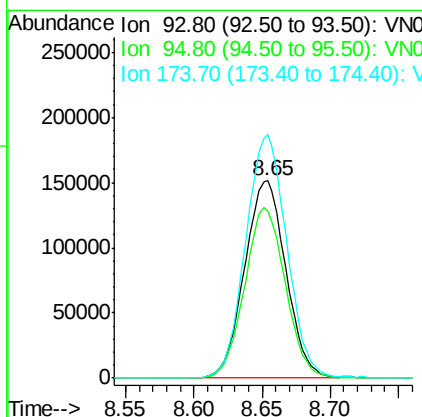
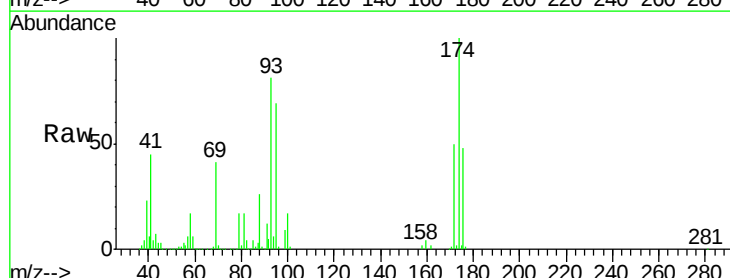
Manual Integrations  
 APPROVED

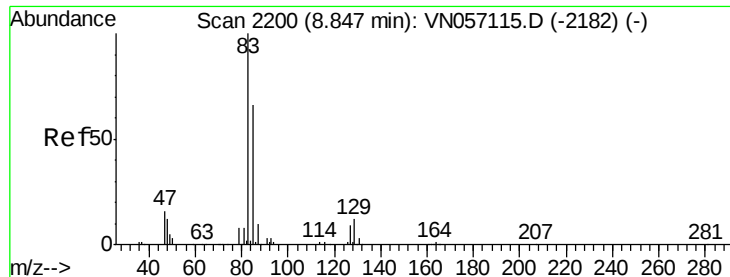
MMDadoda  
 8/14/2019 9:23:48 AM



#46  
 Dibromomethane  
 Concen: 52.351 ug/l  
 RT: 8.65 min Scan# 2140  
 Delta R.T. 0.00 min  
 Lab File: VN057211.D  
 Acq: 12 Aug 2019 13:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 85.1  | 66.0  | 99.0  |
| 174     | 123.1 | 96.0  | 144.0 |





#47

Bromodichloromethane

Concen: 54.912 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

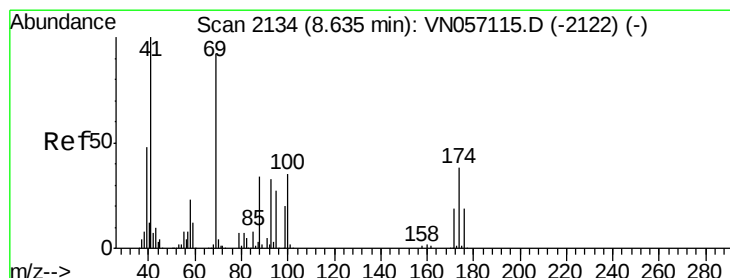
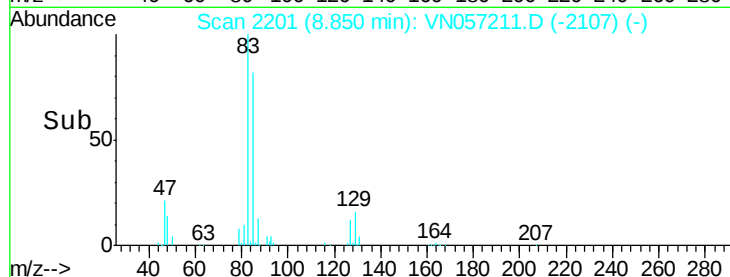
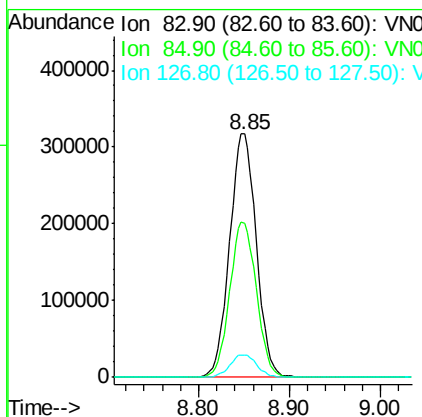
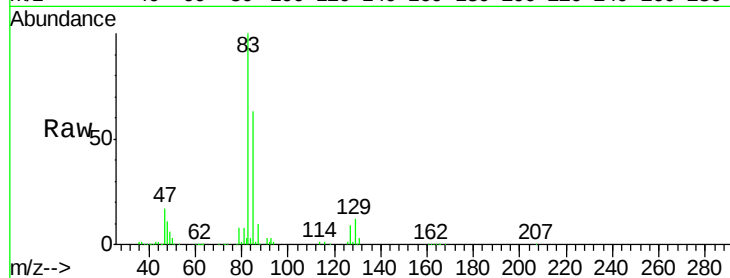
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 644731 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 63.1  | 52.6  | 78.8   |
| 127      | 9.3   | 7.5   | 11.3   |

Manual Integrations  
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MMDadoda  
8/14/2019 9:23:48 AM



#48

Methyl methacrylate

Concen: 50.546 ug/l

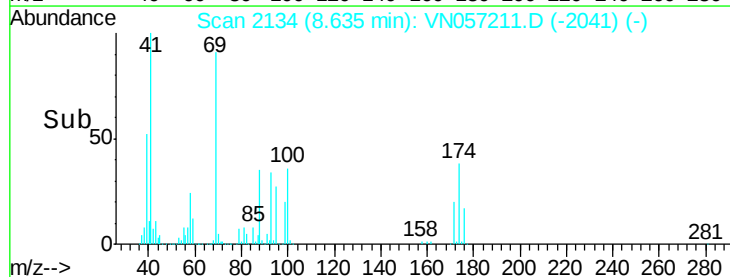
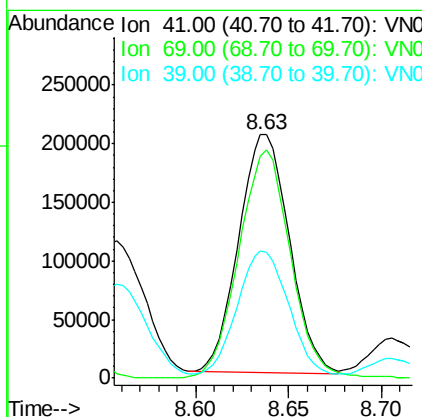
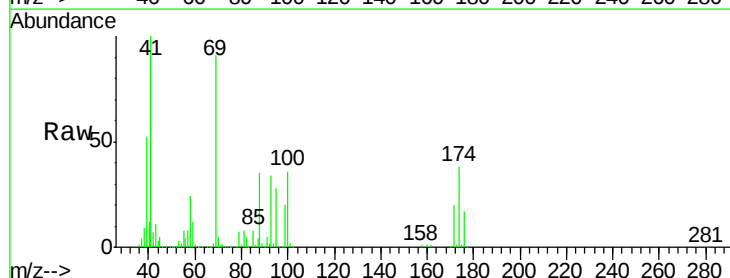
RT: 8.63 min Scan# 2134

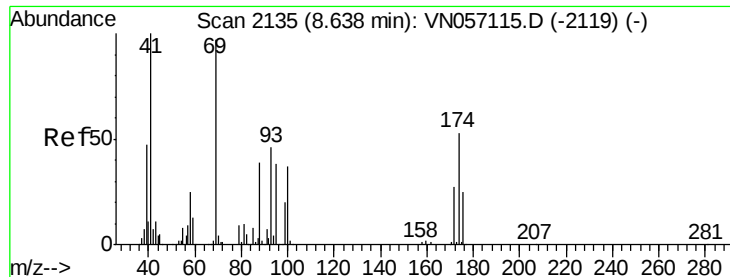
Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 387115 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 97.9  | 77.5  | 116.3  |
| 39       | 52.3  | 39.8  | 59.6   |





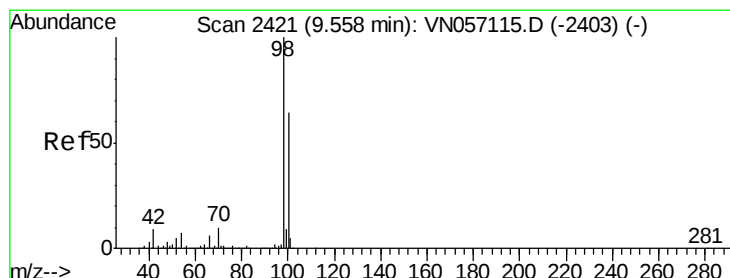
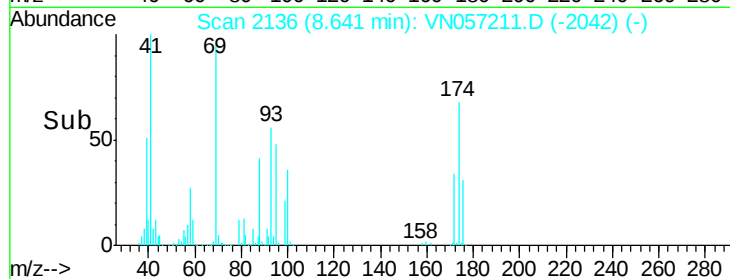
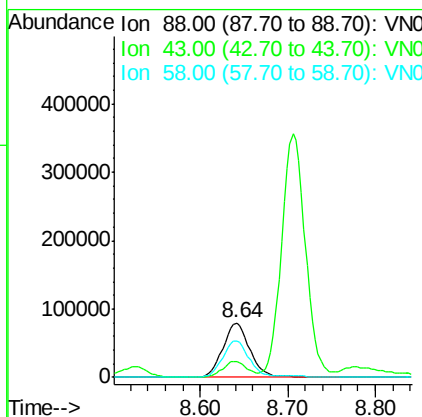
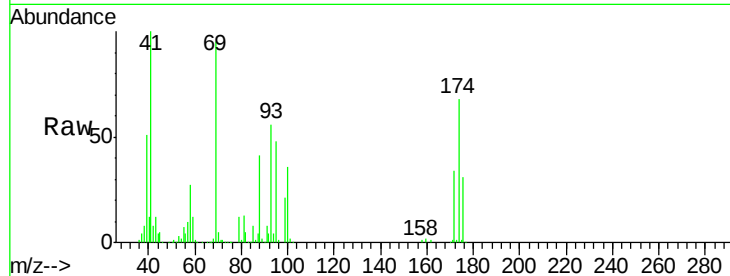
#49  
1,4-Dioxane  
Concen: 1098.754 ug/l  
RT: 8.64 min Scan# 2136  
Delta R.T. 0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 88    | Resp  | 171387 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 88      | 100   |       |        |
| 43      | 27.0  | 21.7  | 32.5   |
| 58      | 65.1  | 51.1  | 76.7   |

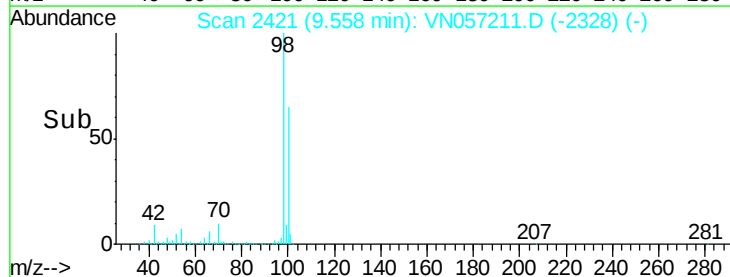
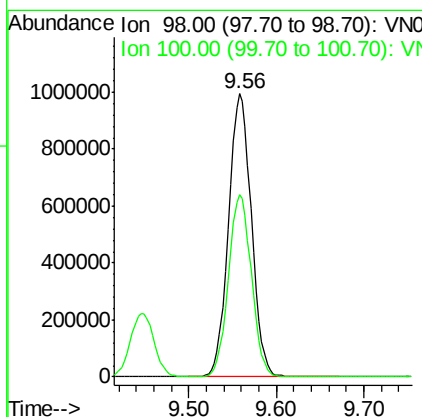
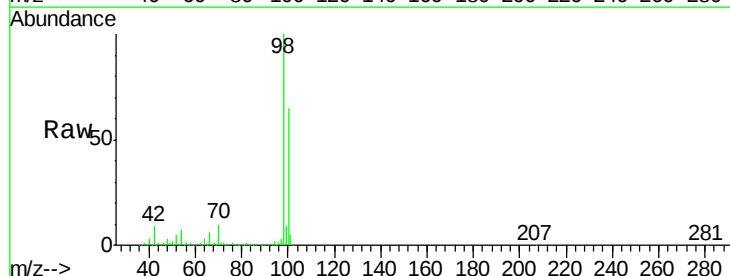
Manual Integrations  
APPROVED

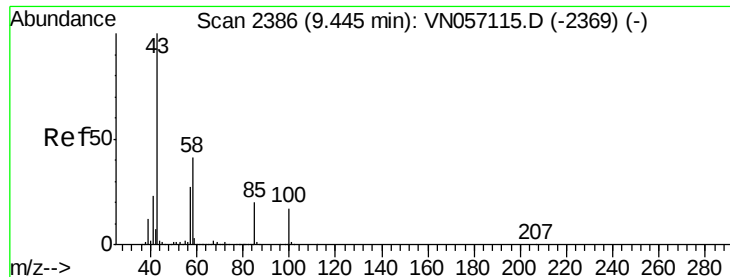
MMDadoda  
8/14/2019 9:23:48 AM



#50  
Toluene-d8  
Concen: 53.532 ug/l  
RT: 9.56 min Scan# 2421  
Delta R.T. -0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

| Tgt Ion | 98    | Resp  | 1802146 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 98      | 100   |       |         |
| 100     | 64.8  | 51.2  | 76.8    |





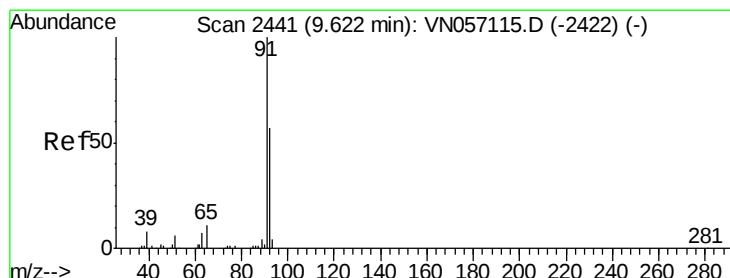
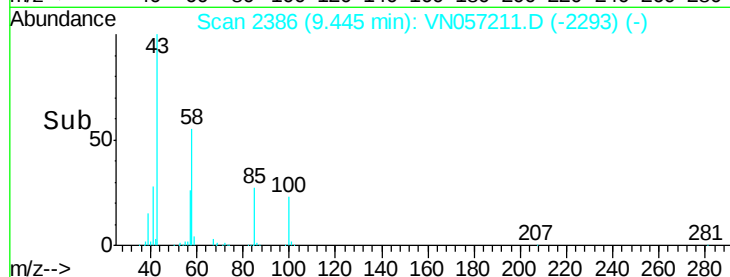
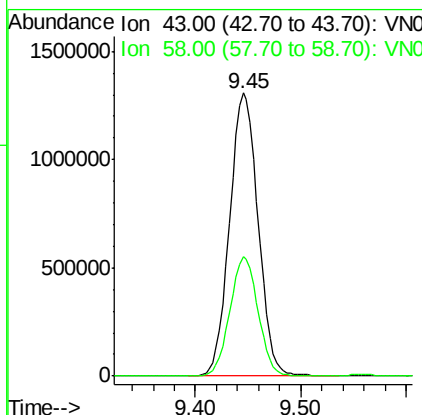
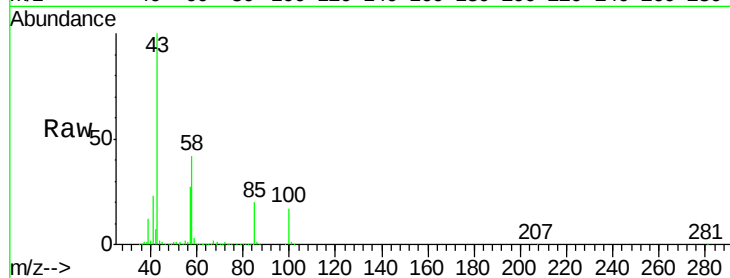
#51  
4-Methyl-2-Pentanone  
Concen: 257.856 ug/l  
RT: 9.45 min Scan# 2386  
Delta R.T. -0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 2437409  
Ion Ratio Lower Upper  
43 100  
58 41.8 33.2 49.8

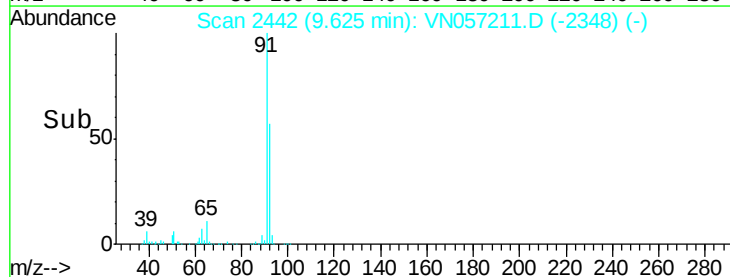
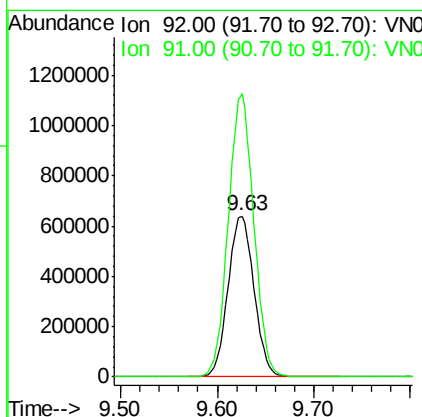
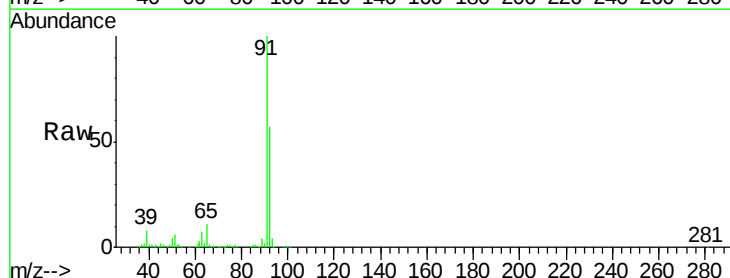
Manual Integrations  
APPROVED

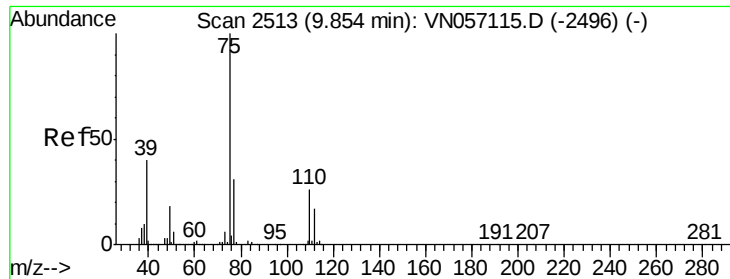
MMDadoda  
8/14/2019 9:23:48 AM



#52  
Toluene  
Concen: 52.501 ug/l  
RT: 9.63 min Scan# 2442  
Delta R.T. 0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Tgt Ion: 92 Resp: 1191093  
Ion Ratio Lower Upper  
92 100  
91 173.3 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 57.072 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Tot Ion: 75 Resp: 700036

Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

Instrument :

MSVOA\_N

ClientSampleId :

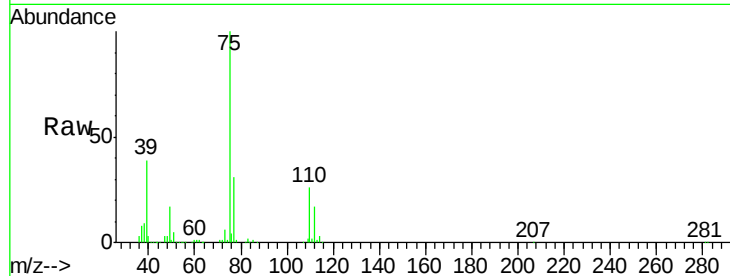
VSTDCCC050

Manual Integrations

APPROVED

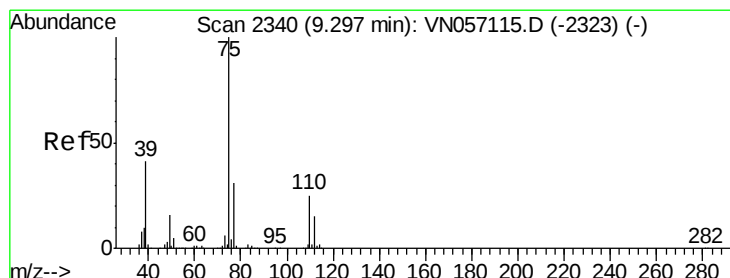
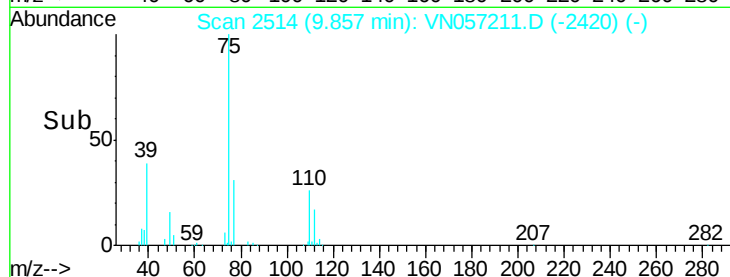
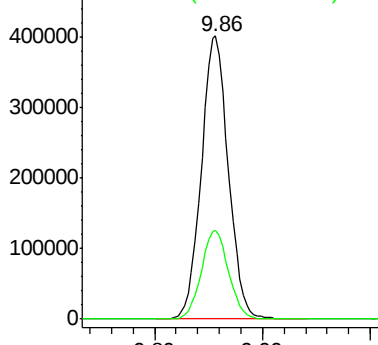
MMDadoda

8/14/2019 9:23:48 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 55.133 ug/l

RT: 9.30 min Scan# 2340

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

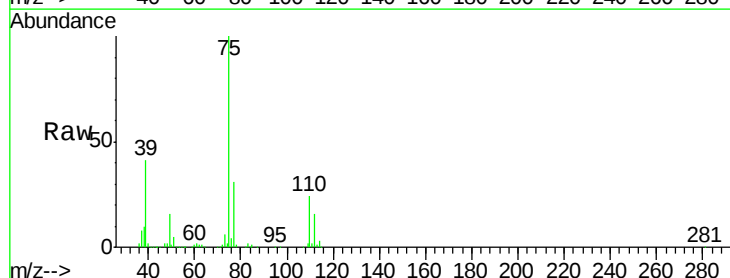
Tgt Ion: 75 Resp: 775977

Ion Ratio Lower Upper

75 100

77 31.0 25.1 37.7

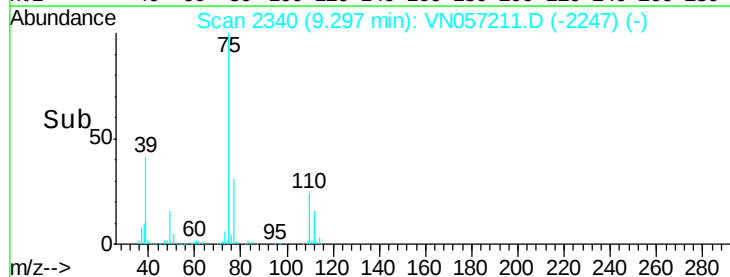
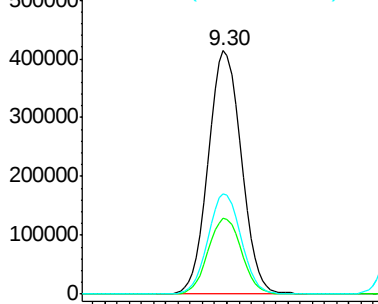
39 41.4 32.5 48.7

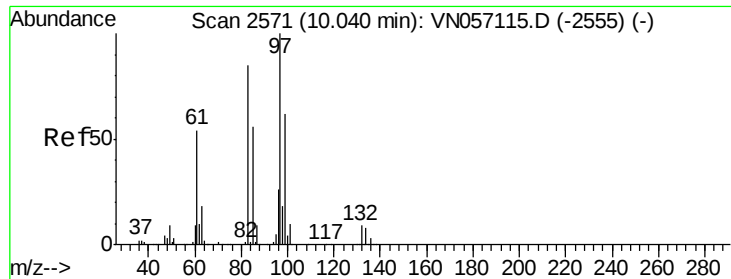


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 52.131 ug/l

RT: 10.04 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

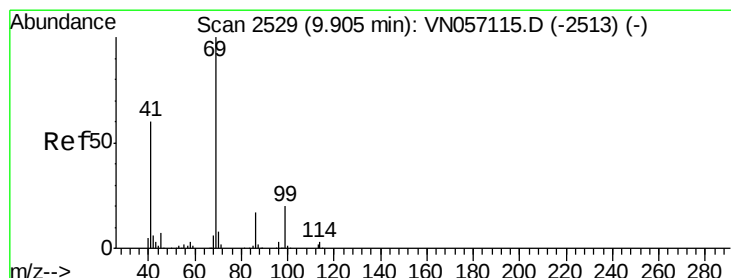
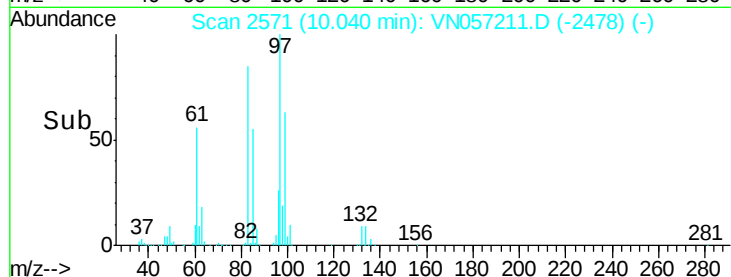
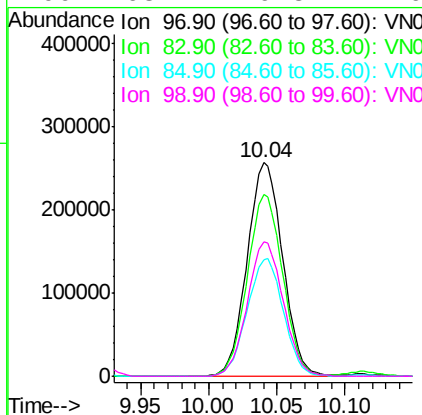
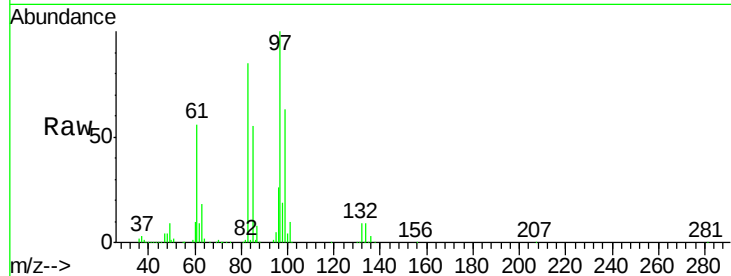
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 465091 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.2  | 67.8  | 101.8  |
| 85       | 54.8  | 44.4  | 66.6   |
| 99       | 63.1  | 49.8  | 74.6   |

Manual Integrations  
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8/14/2019 9:23:48 AM



#56

Ethyl methacrylate

Concen: 53.381 ug/l

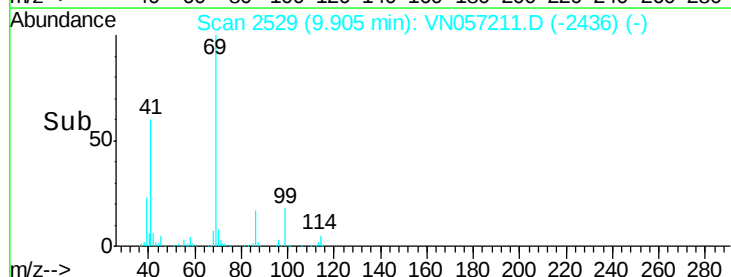
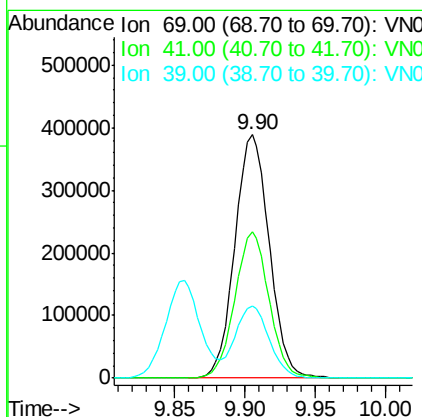
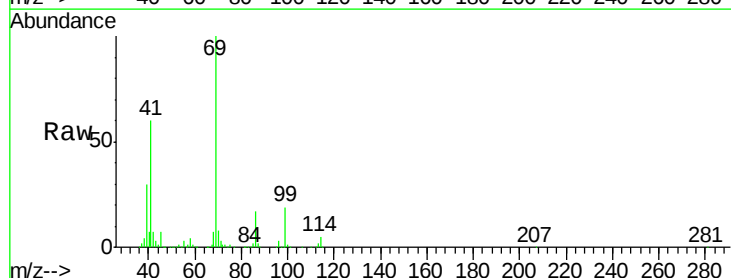
RT: 9.90 min Scan# 2529

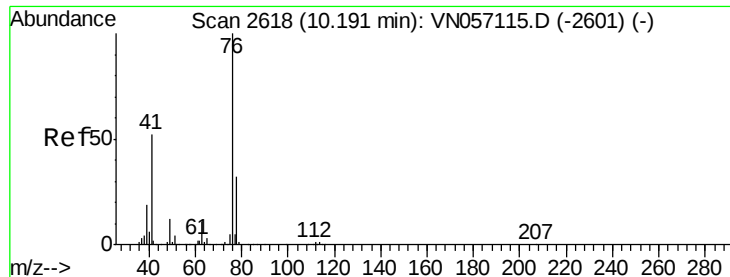
Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 666813 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 59.2  | 48.1  | 72.1   |
| 39       | 29.4  | 23.6  | 35.4   |





#57

1,3-Dichloropropane

Concen: 51.793 ug/l

RT: 10.19 min Scan# 2618

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 762005

Ion Ratio Lower Upper

76 100

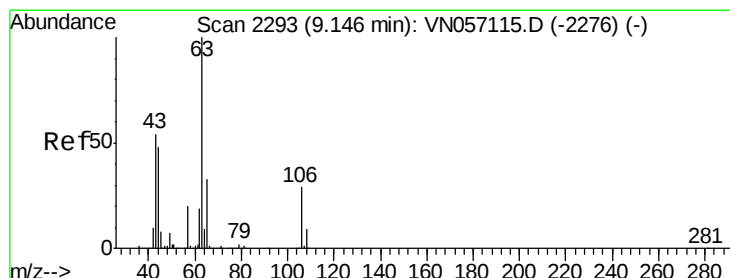
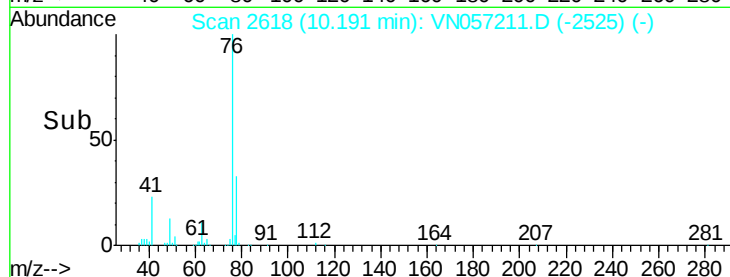
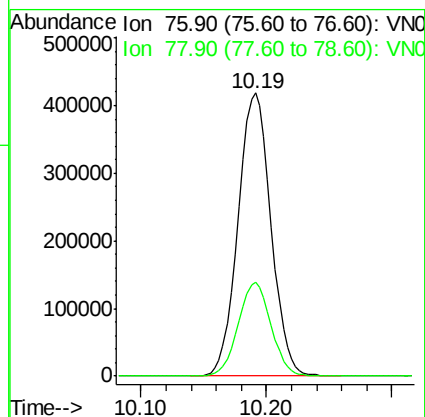
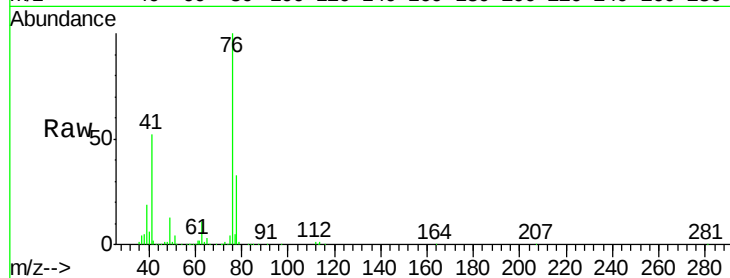
78 33.0 25.9 38.9

Manual Integrations

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MMDadoda

8/14/2019 9:23:48 AM



#58

2-Chloroethyl Vinyl ether

Concen: 198.257 ug/l

RT: 9.15 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VN057211.D

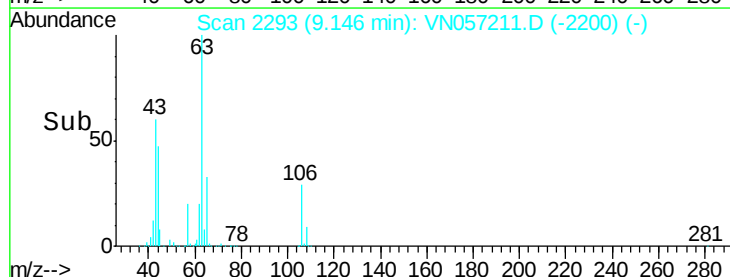
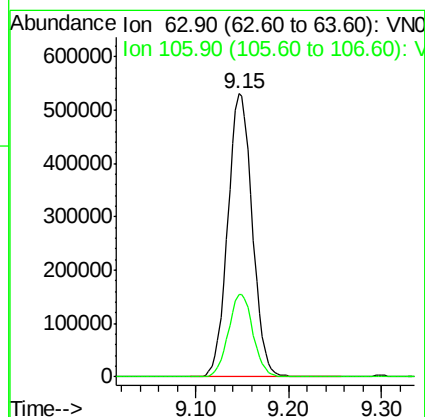
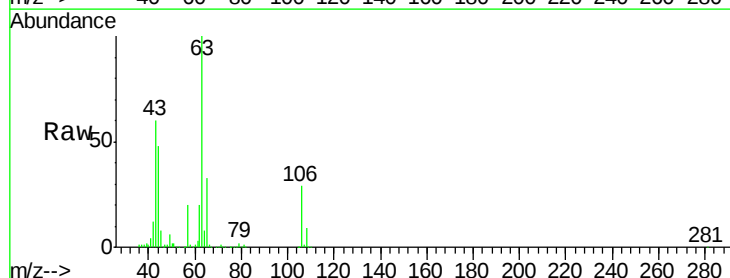
Acq: 12 Aug 2019 13:03

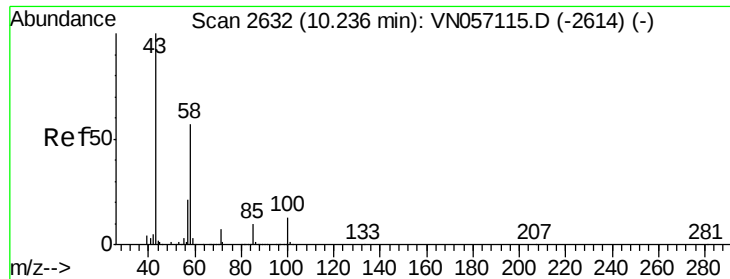
Tgt Ion: 63 Resp: 973236

Ion Ratio Lower Upper

63 100

106 29.2 22.6 33.8





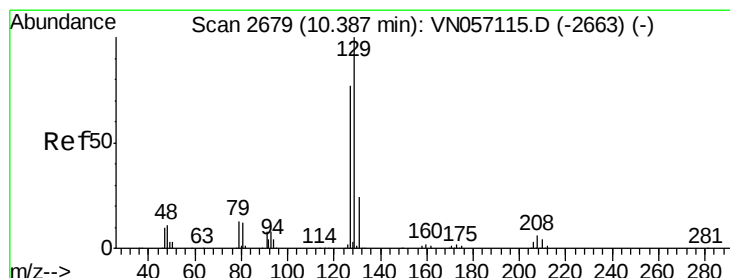
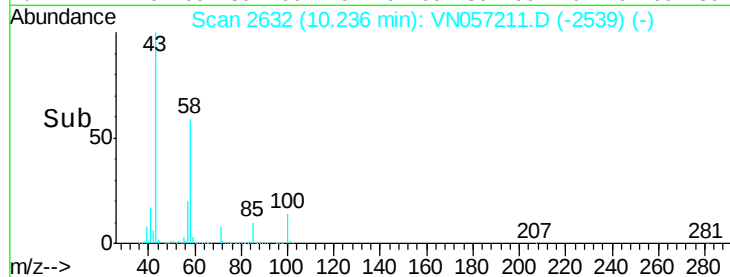
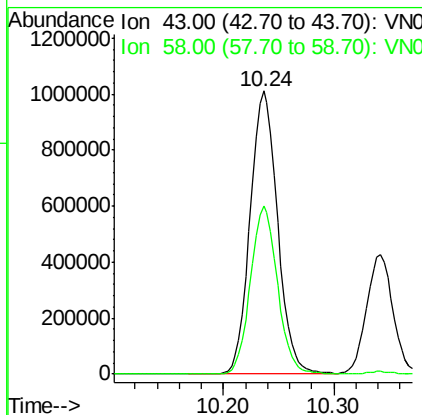
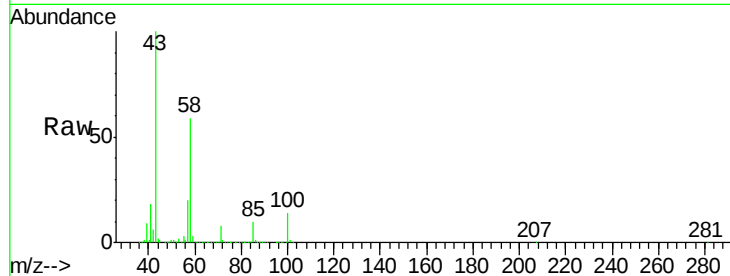
#59  
2-Hexanone  
Concen: 272.750 ug/l  
RT: 10.24 min Scan# 2632  
Delta R.T. -0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 1744898  
Ion Ratio Lower Upper  
43 100  
58 58.5 29.2 87.6

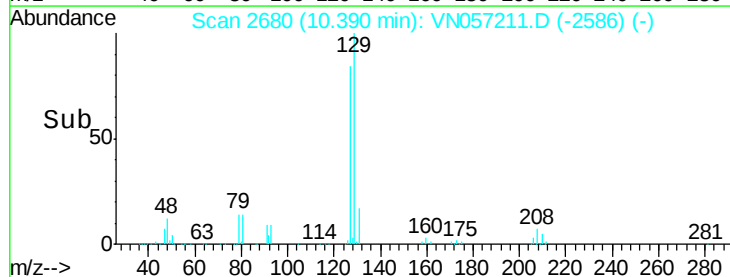
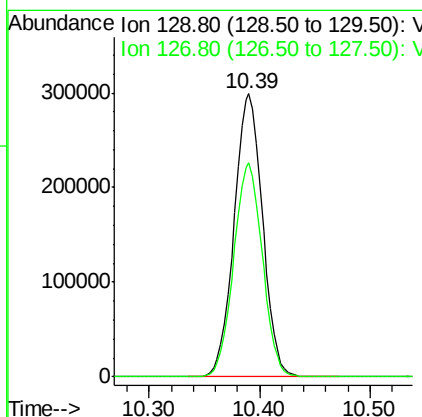
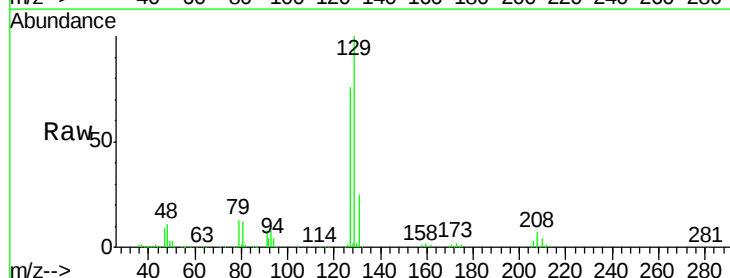
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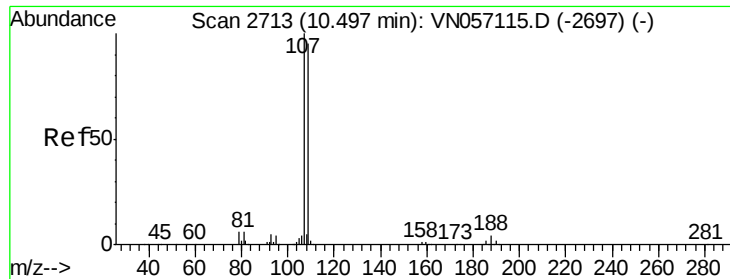
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 56.855 ug/l  
RT: 10.39 min Scan# 2680  
Delta R.T. 0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Tgt Ion: 129 Resp: 532719  
Ion Ratio Lower Upper  
129 100  
127 76.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 53.733 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 494673

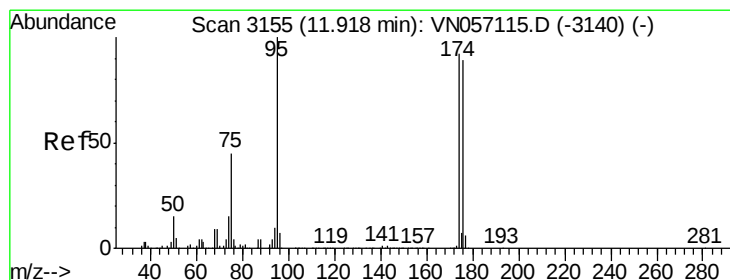
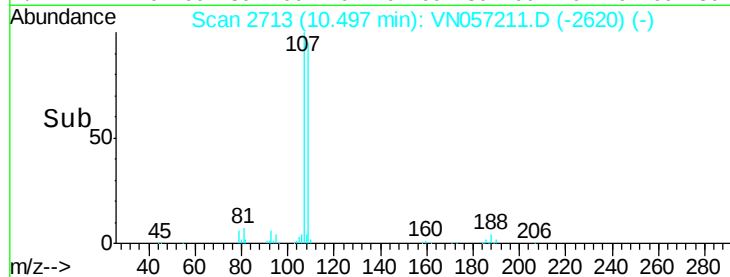
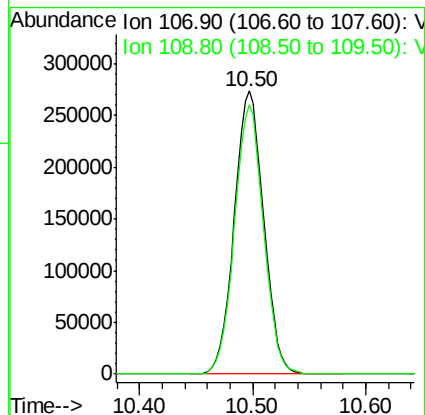
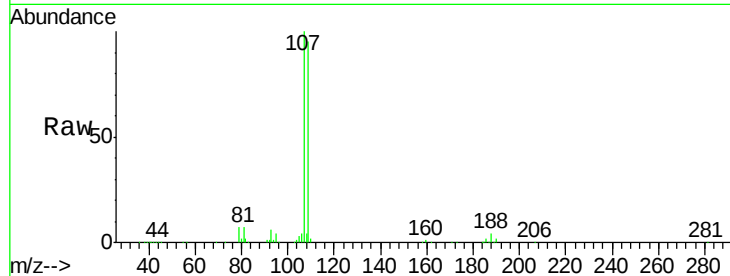
Ion Ratio Lower Upper

107 100

109 94.0 75.6 113.4

Manual Integrations  
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#62

4-Bromofluorobenzene

Concen: 56.768 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

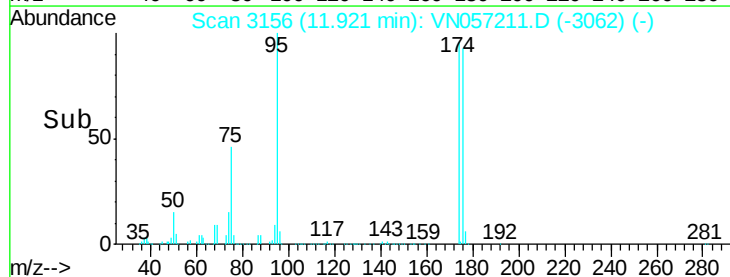
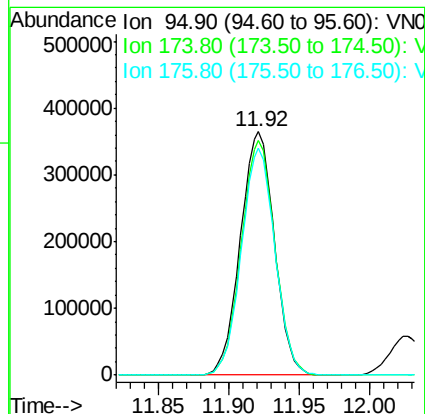
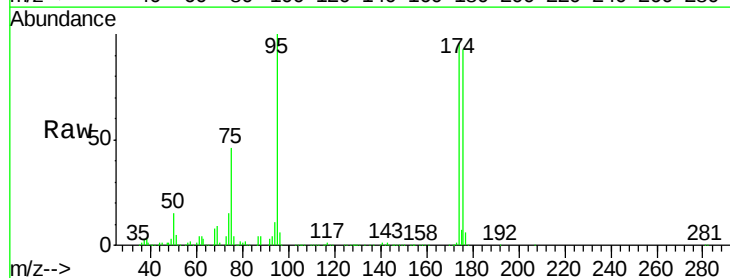
Tgt Ion: 95 Resp: 615765

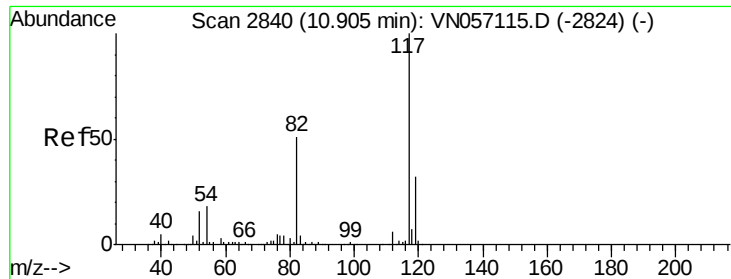
Ion Ratio Lower Upper

95 100

174 95.3 0.0 185.0

176 92.1 0.0 181.2





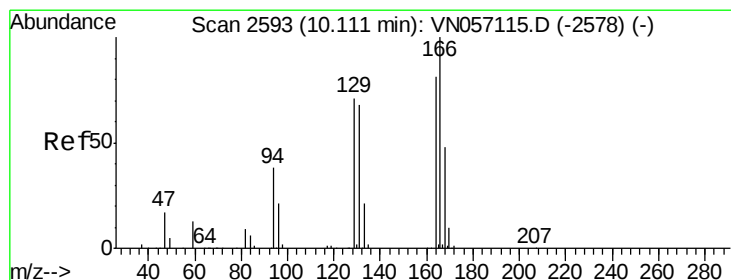
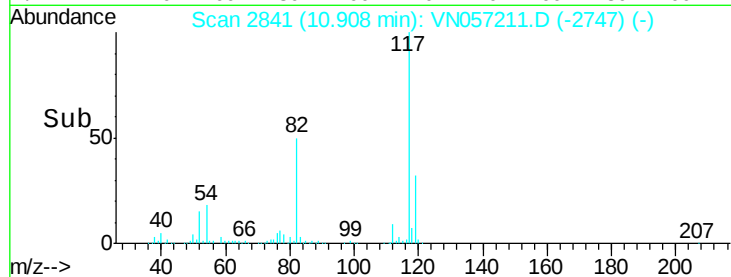
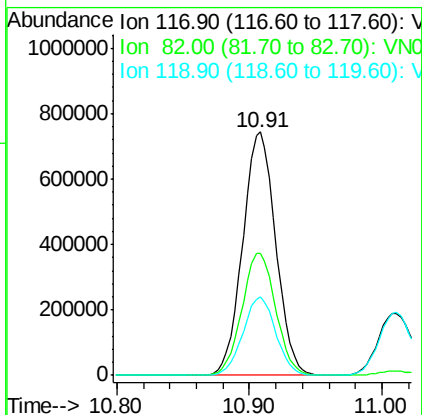
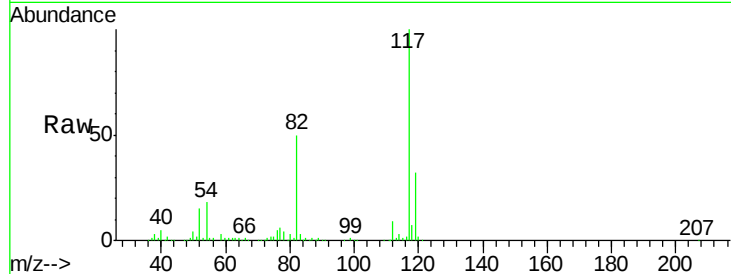
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.91 min Scan# 2841  
Delta R.T. 0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 50.2  | 40.8  | 61.2  |
| 119     | 32.1  | 25.7  | 38.5  |

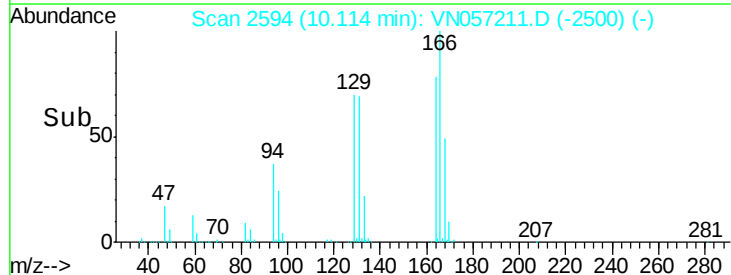
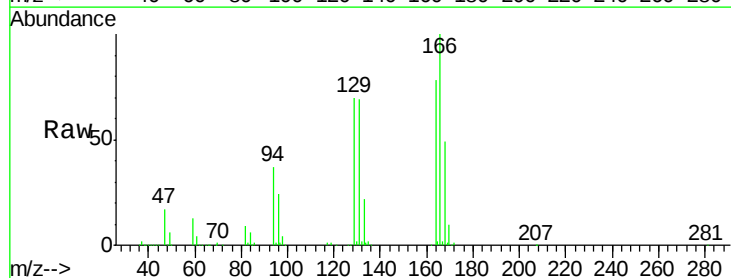
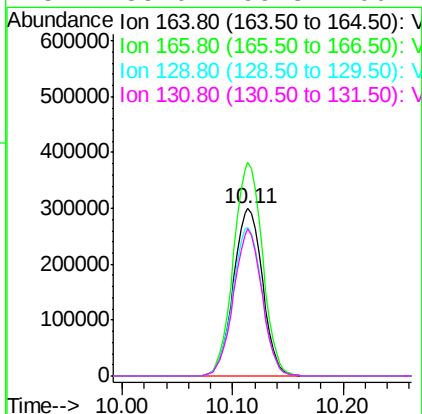
Manual Integrations  
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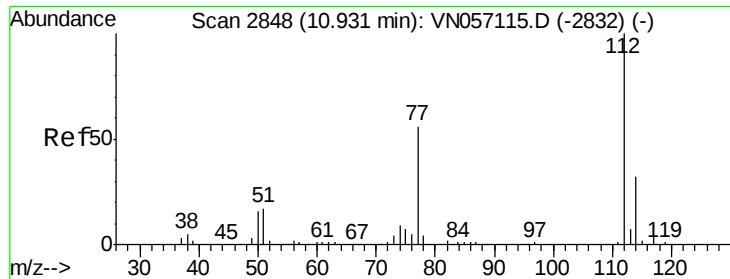
MMDadoda  
8/14/2019 9:23:48 AM



#64  
Tetrachloroethene  
Concen: 51.200 ug/l  
RT: 10.11 min Scan# 2594  
Delta R.T. 0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.8 | 98.3  | 147.5 |
| 129     | 89.1  | 69.8  | 104.6 |
| 131     | 88.0  | 66.8  | 100.2 |





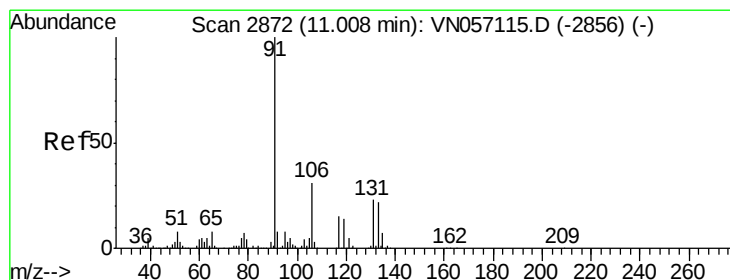
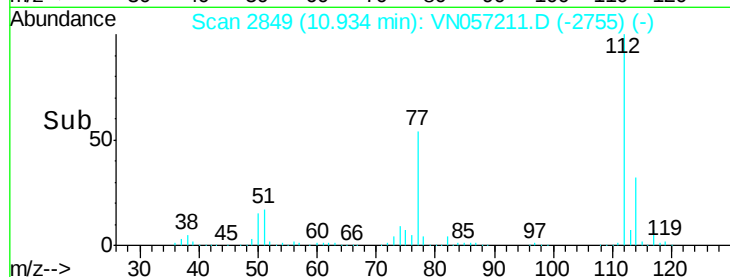
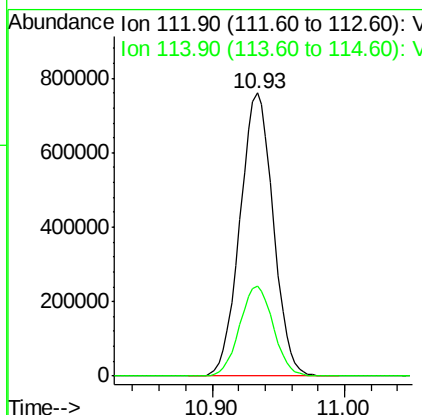
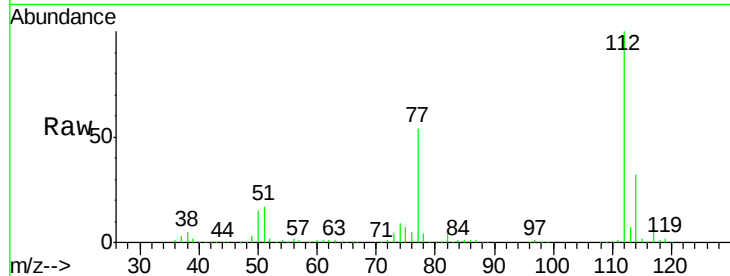
#65  
Chlorobenzene  
Concen: 51.133 ug/l  
RT: 10.93 min Scan# 2849  
Delta R.T. 0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 1321689  
Ion Ratio Lower Upper  
112 100  
114 31.7 25.4 38.2

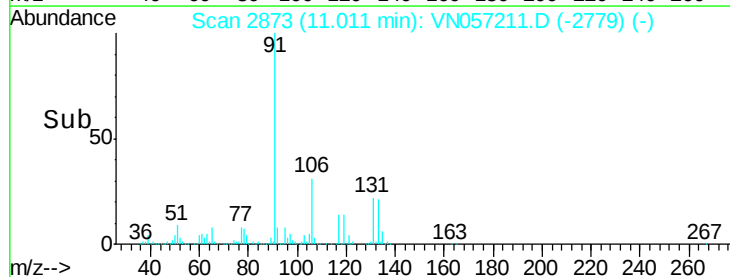
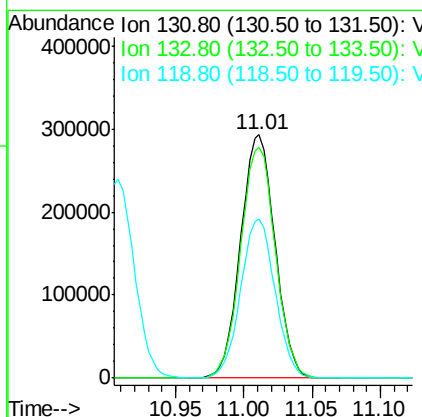
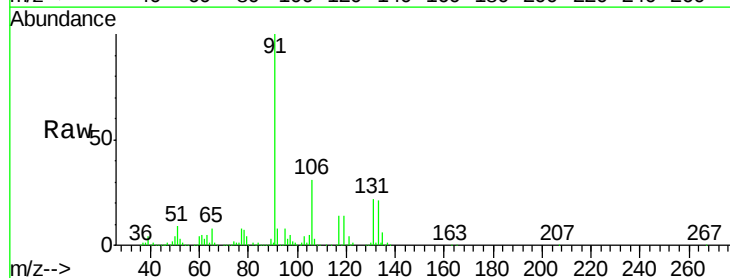
Manual Integrations  
APPROVED

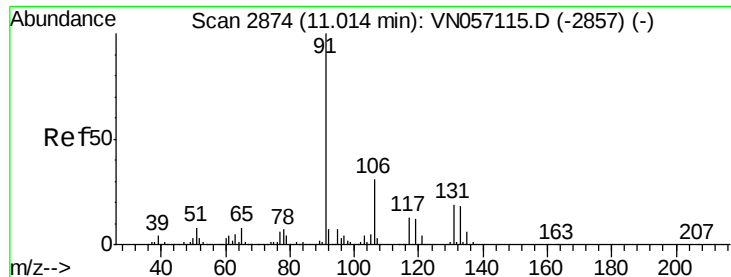
MMDadoda  
8/14/2019 9:23:48 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 52.970 ug/l  
RT: 11.01 min Scan# 2873  
Delta R.T. 0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Tgt Ion:131 Resp: 511873  
Ion Ratio Lower Upper  
131 100  
133 95.9 47.6 142.8  
119 65.5 32.6 97.7





#67

Ethyl Benzene

Concen: 51.880 ug/l

RT: 11.01 min Scan# 2874

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2307989

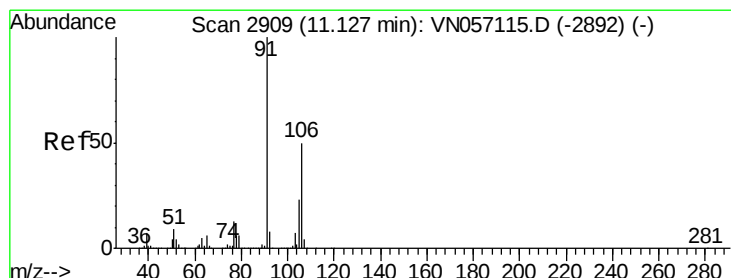
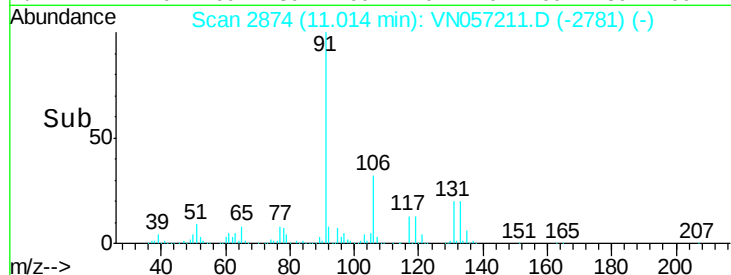
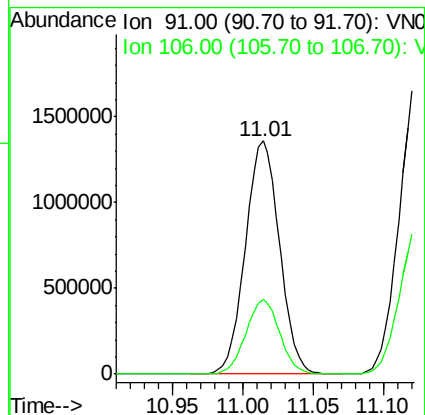
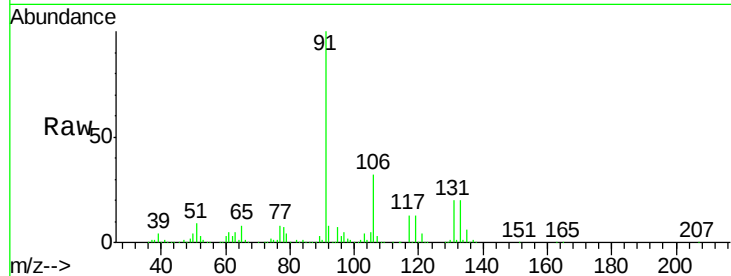
Ion Ratio Lower Upper

91 100

106 31.9 25.0 37.4

Manual Integrations  
APPROVED

MMDadoda  
8/14/2019 9:23:48 AM



#68

m/p-Xylenes

Concen: 106.554 ug/l

RT: 11.13 min Scan# 2909

Delta R.T. -0.00 min

Lab File: VN057211.D

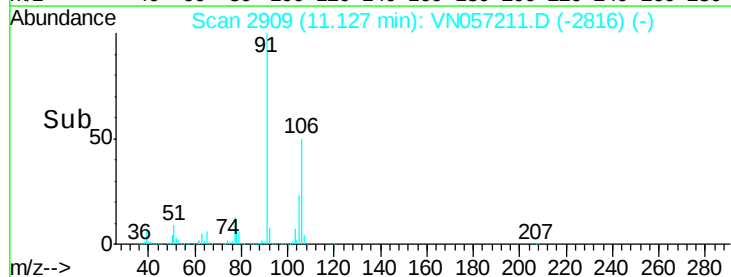
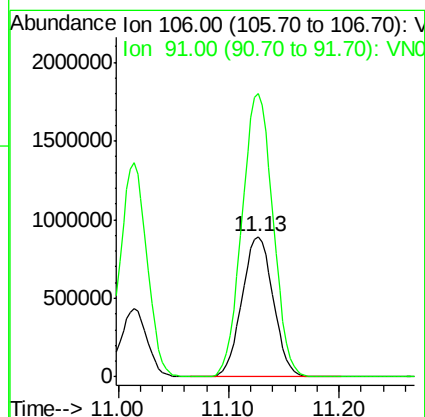
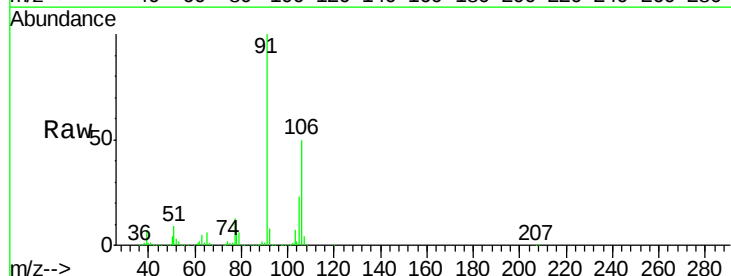
Acq: 12 Aug 2019 13:03

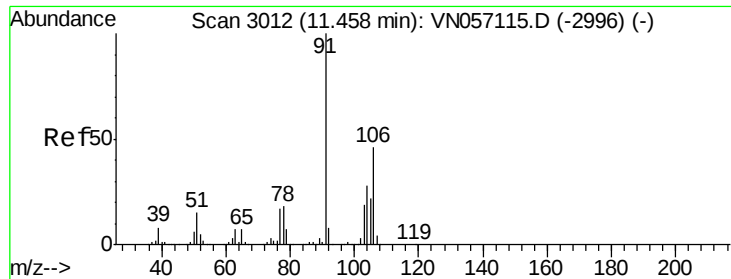
Tgt Ion:106 Resp: 1746336

Ion Ratio Lower Upper

106 100

91 200.7 159.8 239.8





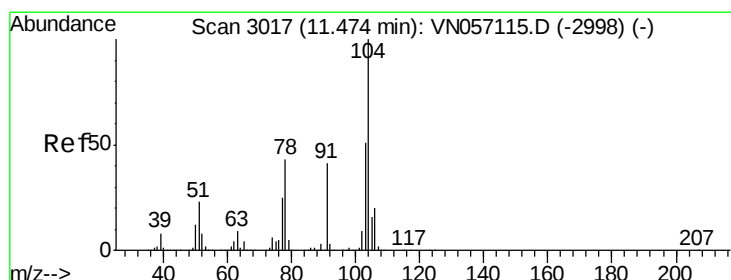
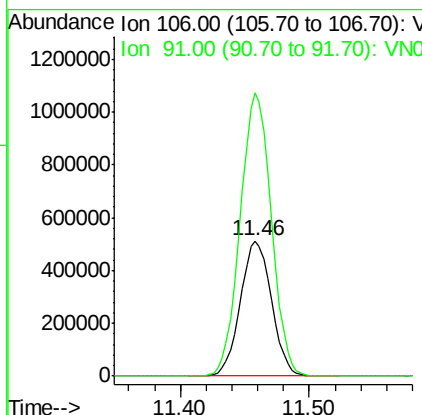
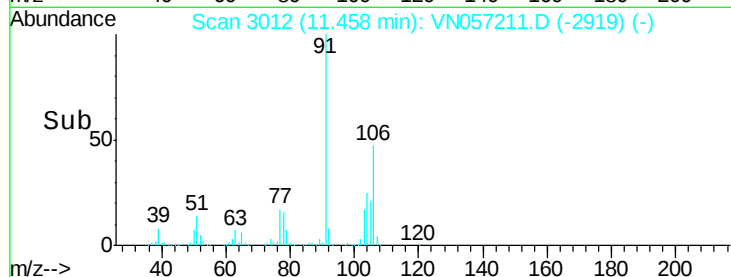
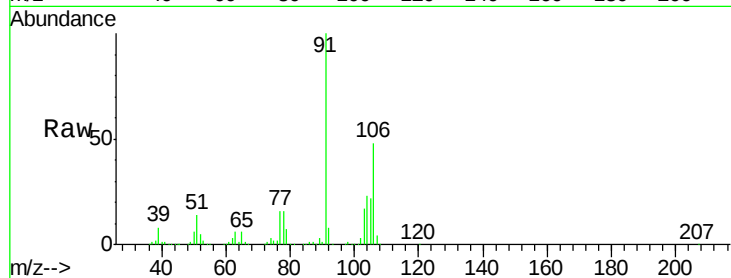
#69  
o-Xylene  
Concen: 52.657 ug/l  
RT: 11.46 min Scan# 3012  
Delta R.T. -0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 106   | 100   | 858902 |       |       |
| 91      | 209.8 | 106.8 | 320.5  |       |       |

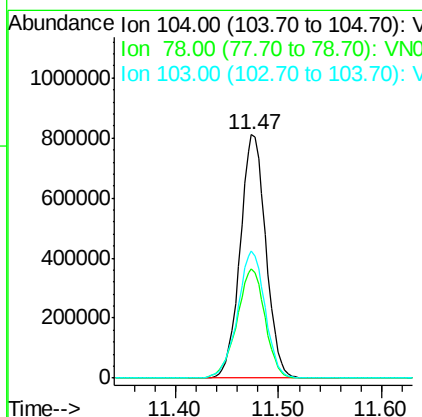
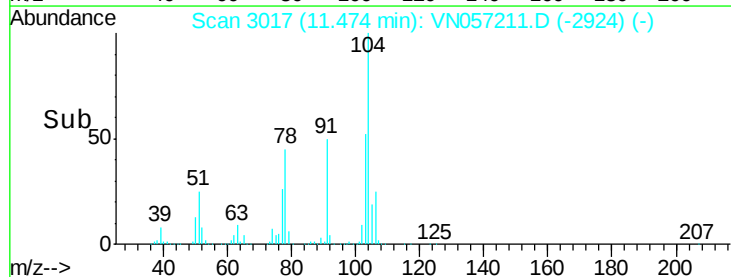
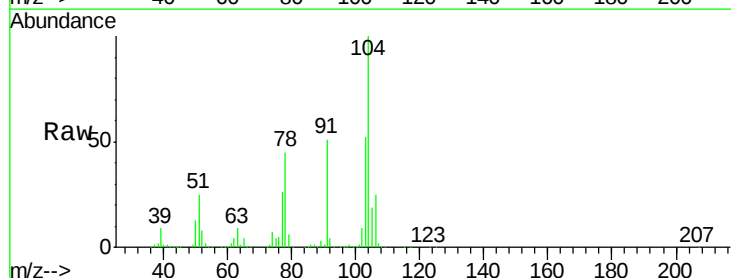
Manual Integrations  
APPROVED

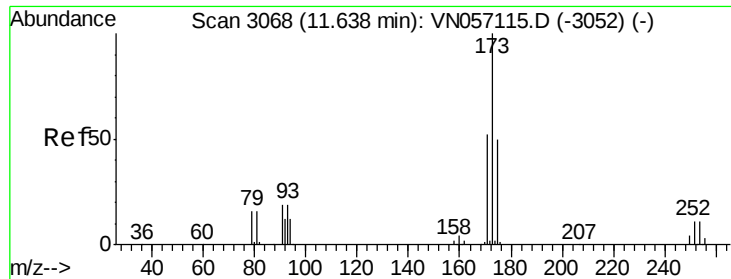
MMDadoda  
8/14/2019 9:23:48 AM



#70  
Styrene  
Concen: 55.083 ug/l  
RT: 11.47 min Scan# 3017  
Delta R.T. -0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 104     | 104  | 100   |       |       |
| 78      | 48.8 | 38.5  | 57.7  |       |
| 103     | 55.8 | 44.6  | 66.8  |       |





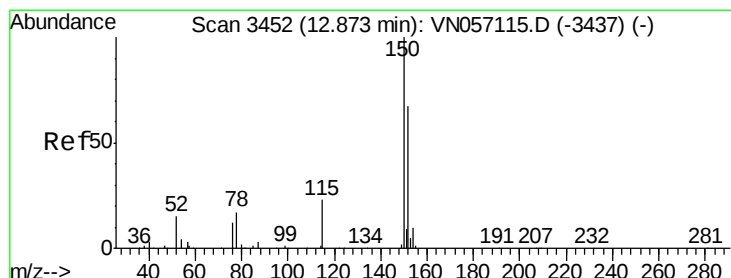
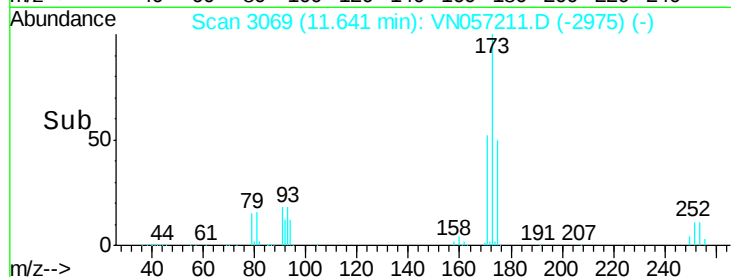
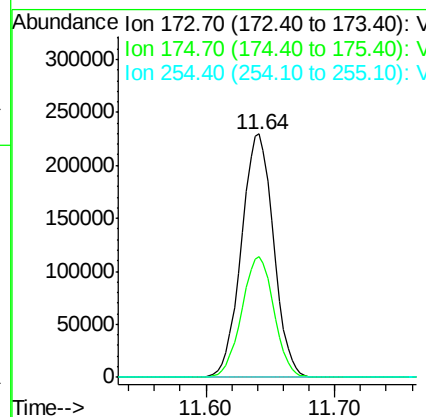
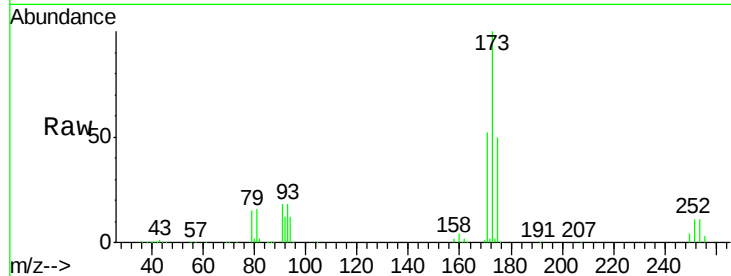
#71  
Bromoform  
Concen: 56.276 ug/l  
RT: 11.64 min Scan# 3069  
Delta R.T. 0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.6  | 24.6  | 73.8  |
| 254     | 0.1   | 0.1   | 0.1#  |

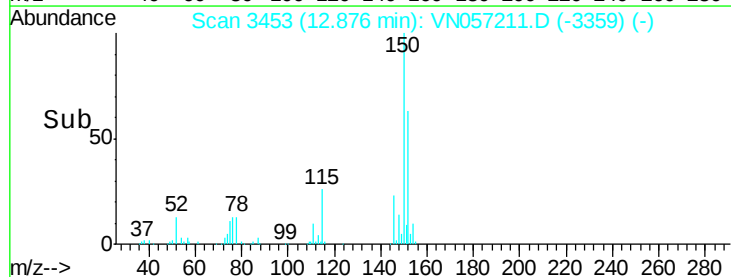
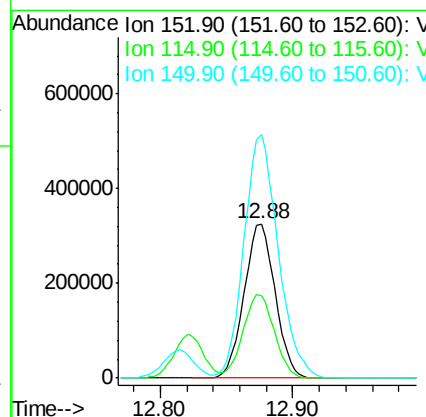
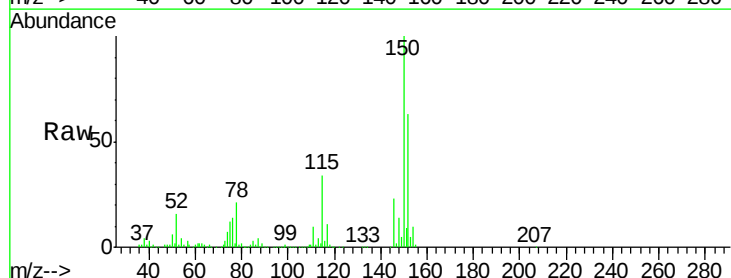
Manual Integrations  
APPROVED

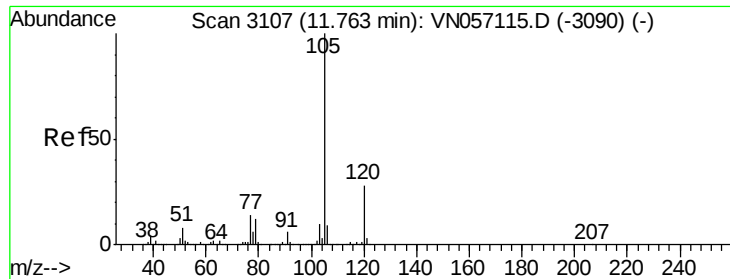
MMDadoda  
8/14/2019 9:23:48 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.88 min Scan# 3453  
Delta R.T. 0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.8  | 27.5  | 82.5  |
| 150     | 174.8 | 0.0   | 341.6 |





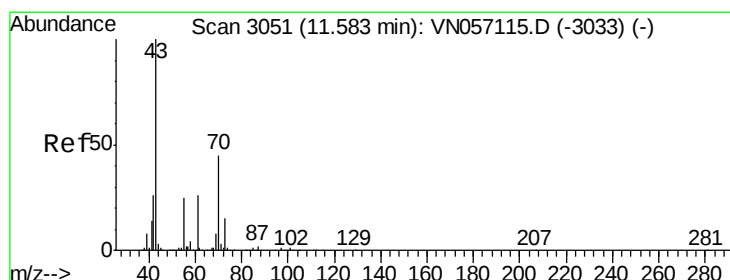
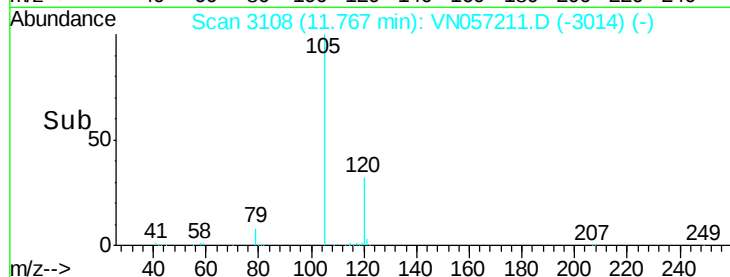
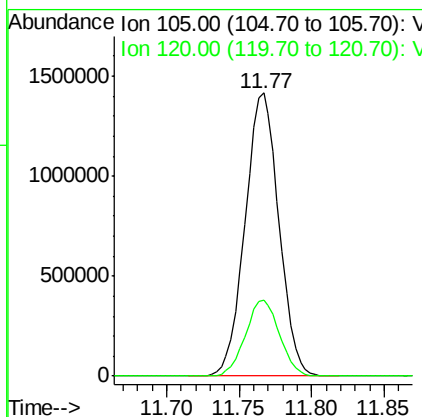
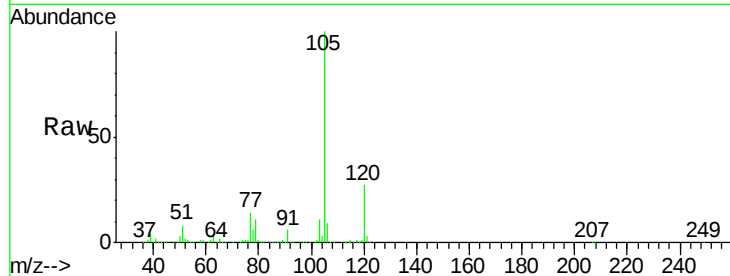
#73  
Isopropylbenzene  
Concen: 53.555 ug/l  
RT: 11.77 min Scan# 3108  
Delta R.T. 0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 105 Resp: 2293080  
Ion Ratio Lower Upper  
105 100  
120 27.1 13.7 41.0

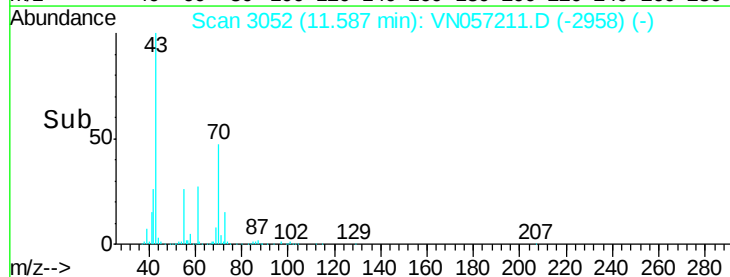
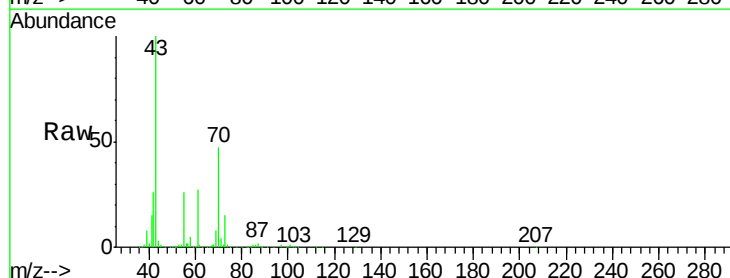
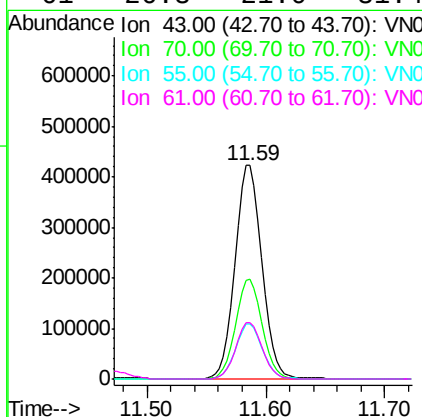
Manual Integrations  
APPROVED

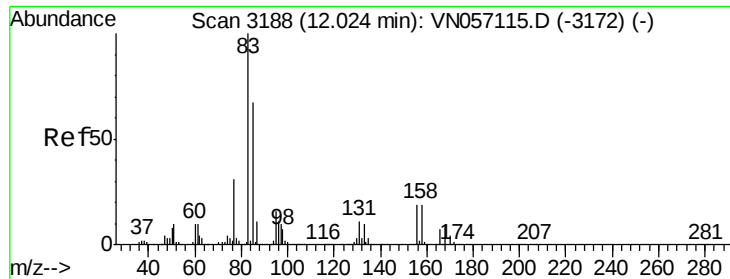
MMDadoda  
8/14/2019 9:23:48 AM



#74  
N-ethyl acetate  
Concen: 49.386 ug/l  
RT: 11.59 min Scan# 3052  
Delta R.T. 0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Tgt Ion: 43 Resp: 660222  
Ion Ratio Lower Upper  
43 100  
70 46.3 36.8 55.2  
55 25.9 20.6 31.0  
61 26.3 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 54.704 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

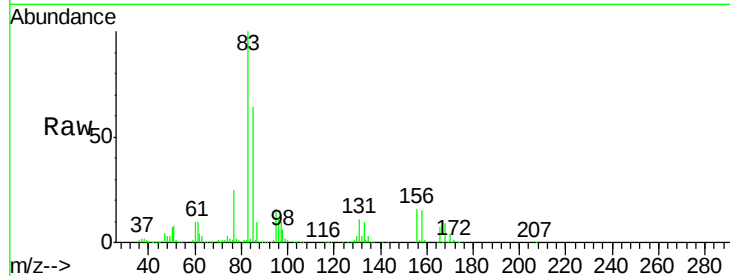
ClientSampleId :

VSTDCCC050

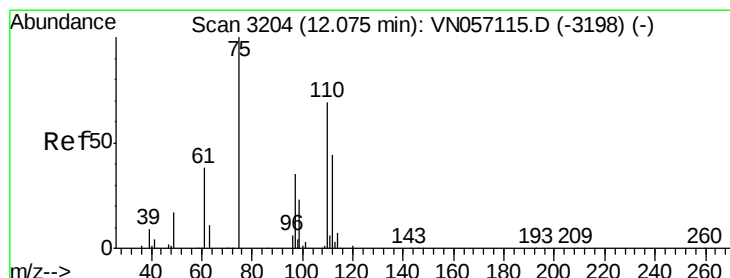
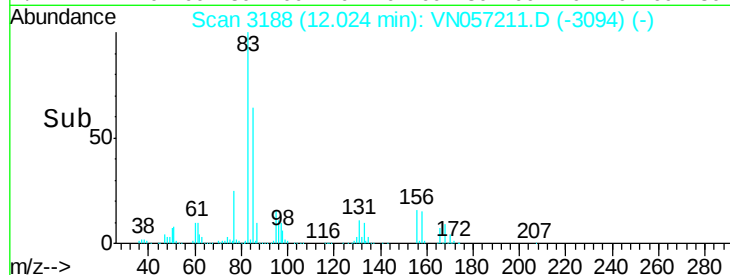
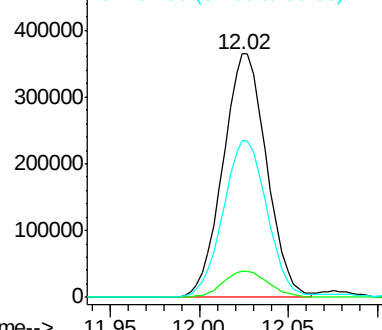
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 624769 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 11.2  | 5.5   | 16.4   |
| 85        | 64.6  | 32.4  | 97.0   |

Manual Integrations  
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Abundance Ion 82.90 (82.60 to 83.60): VN057211.D (-3172) (-)



#76

1,2,3-Trichloropropane

Concen: 55.485 ug/l m

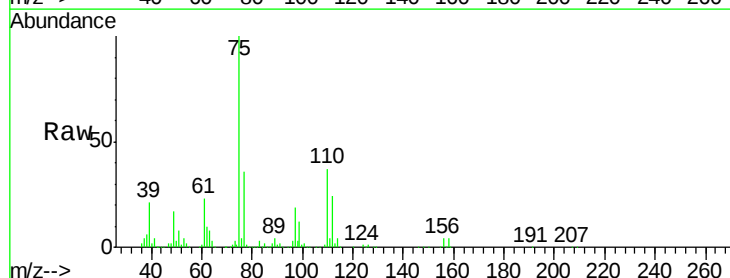
RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

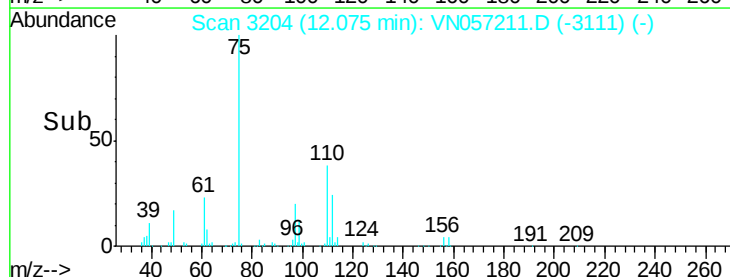
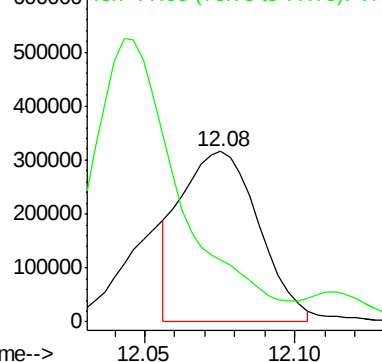
Lab File: VN057211.D

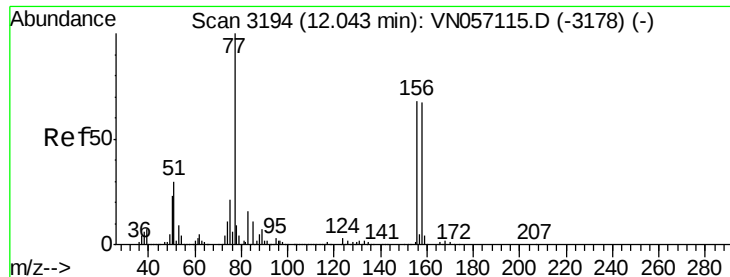
Acq: 12 Aug 2019 13:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 567936 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |



Abundance Ion 74.90 (74.60 to 75.60): VN057211.D (-3198) (-)





#77

Bromobenzene

Concen: 48.263 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 611988

Ion Ratio Lower Upper

156 100

77 175.2 88.7 266.1

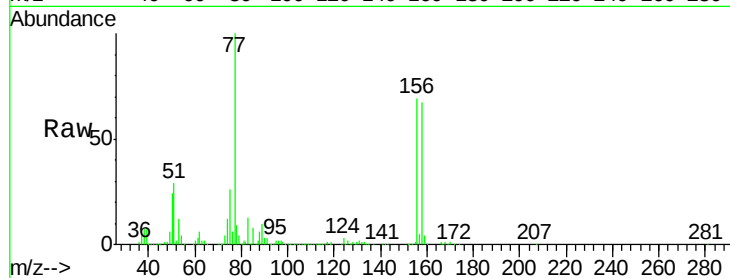
158 98.0 49.3 147.8

Manual Integrations

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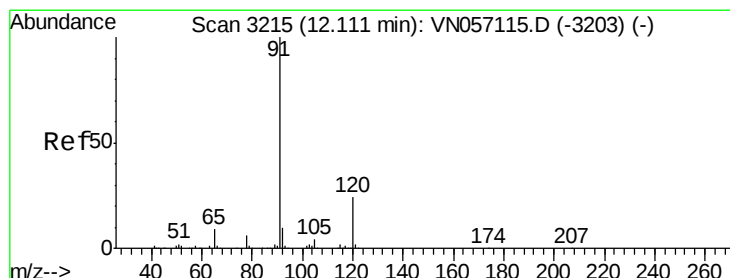
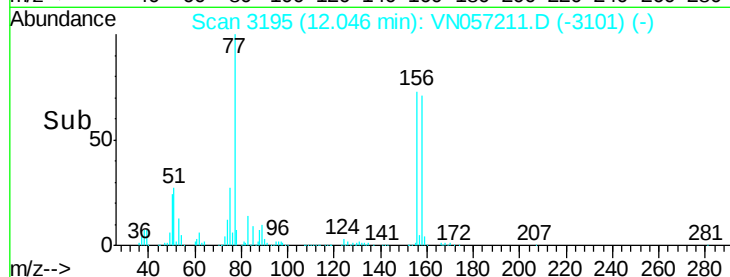
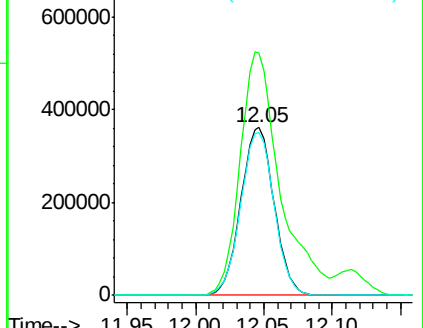
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.198 ug/l

RT: 12.11 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VN057211.D

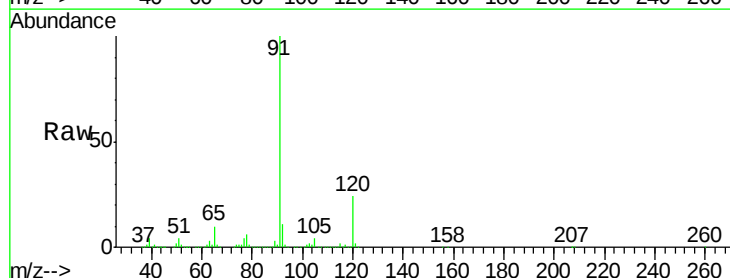
Acq: 12 Aug 2019 13:03

Tgt Ion: 91 Resp: 2439337

Ion Ratio Lower Upper

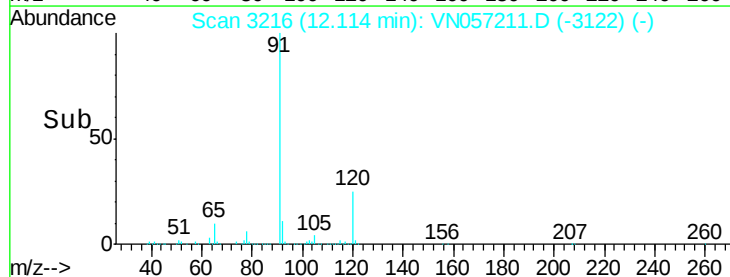
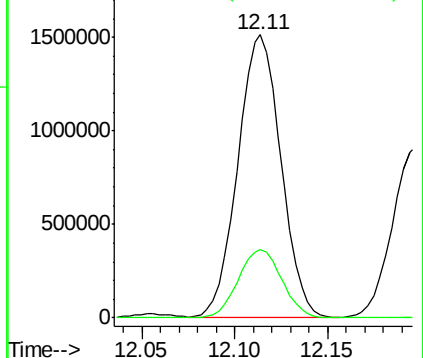
91 100

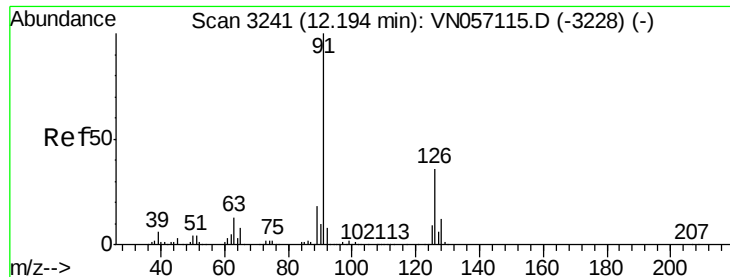
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.792 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1485623

Ion Ratio Lower Upper

91 100

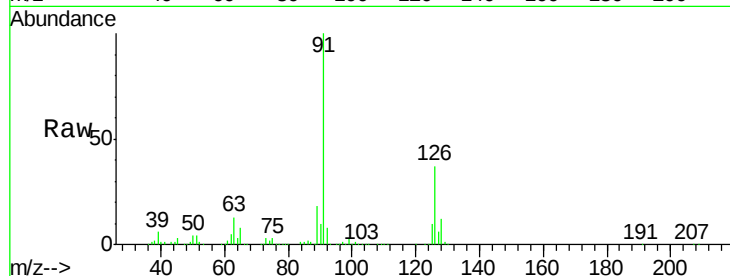
126 37.1 18.1 54.3

Manual Integrations

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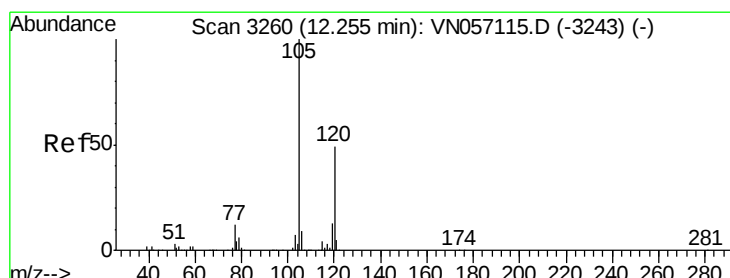
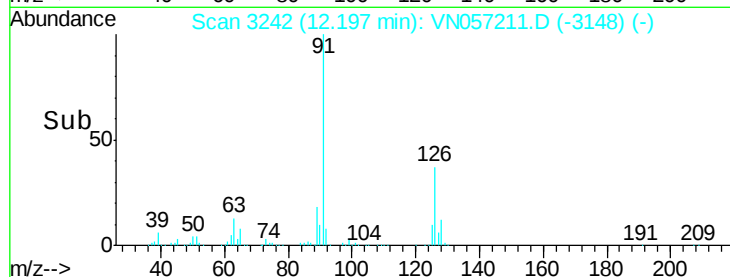
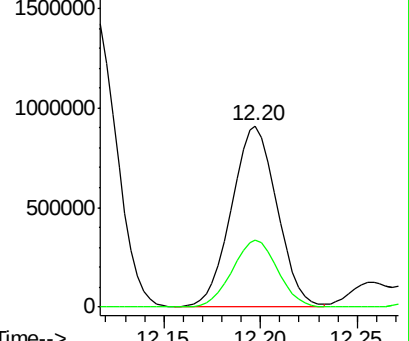
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Abundance Ion 91.00 (90.70 to 91.70): VN057211.D (-3148) (-)

Ion 125.90 (125.60 to 126.60): VN057211.D (-3148) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.763 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057211.D

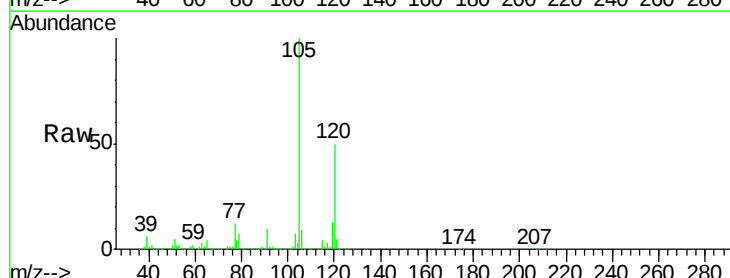
Acq: 12 Aug 2019 13:03

Tgt Ion: 105 Resp: 1945303

Ion Ratio Lower Upper

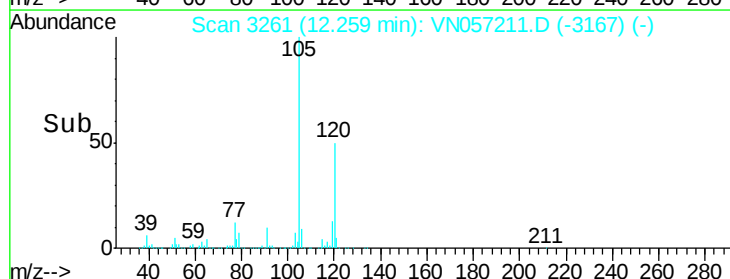
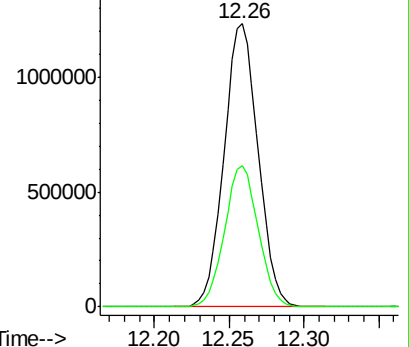
105 100

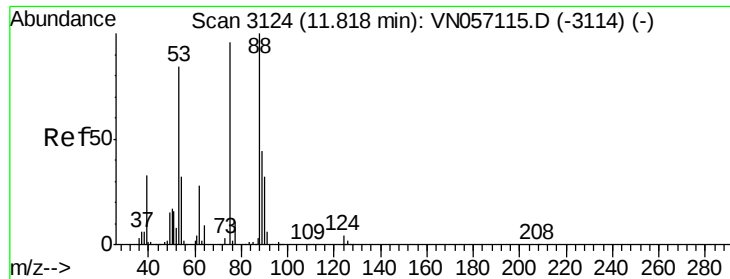
120 49.5 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN057211.D (-3167) (-)

Ion 120.00 (119.70 to 120.70): VN057211.D (-3167) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 55.050 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 197514

Ion Ratio Lower Upper

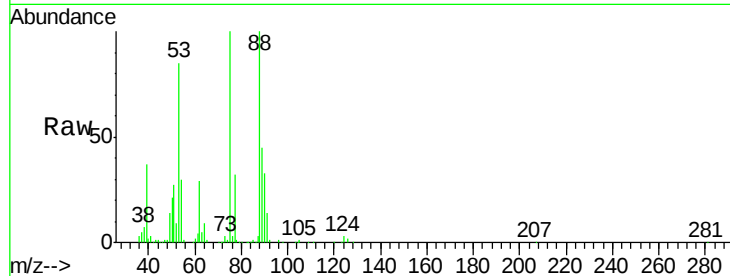
75 100

53 84.9 70.6 106.0

89 45.9 36.4 54.6

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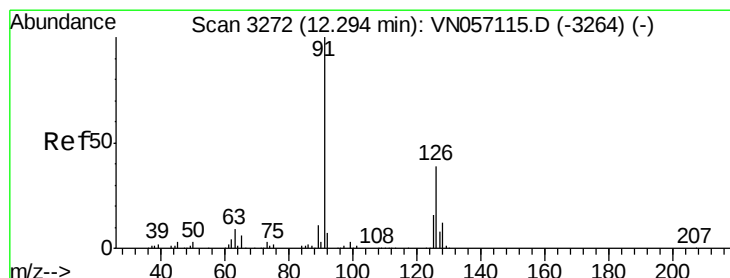
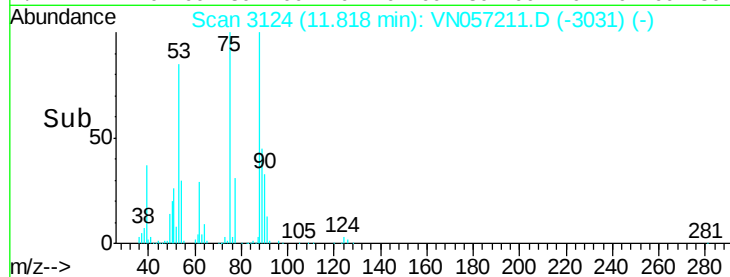
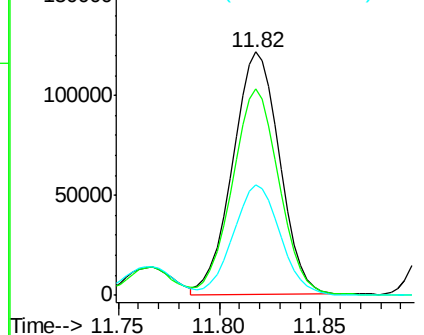
MMDadoda  
8/14/2019 9:23:48 AM



Abundance Ion 74.90 (74.60 to 75.60): VN057211.D (-3031) (-)

Ion 53.00 (52.70 to 53.70): VN057211.D (-3031) (-)

Ion 88.90 (88.60 to 89.60): VN057211.D (-3031) (-)



#82

4-Chlorotoluene

Concen: 48.911 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057211.D

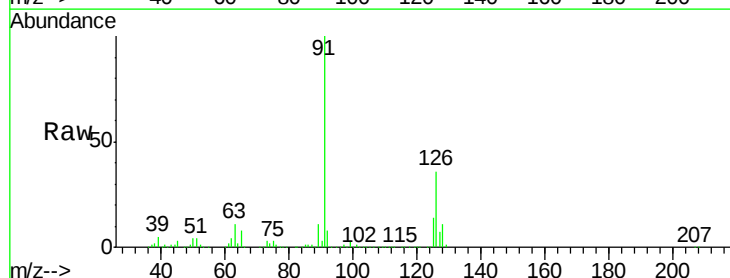
Acq: 12 Aug 2019 13:03

Tgt Ion: 91 Resp: 1433300

Ion Ratio Lower Upper

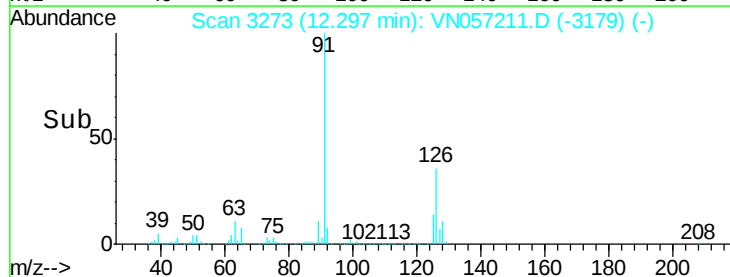
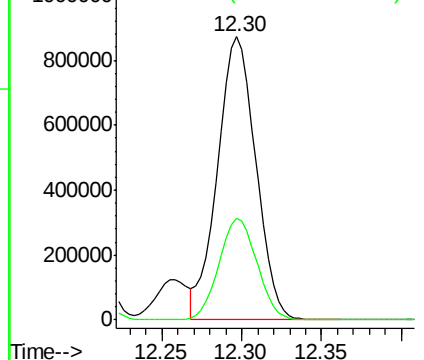
91 100

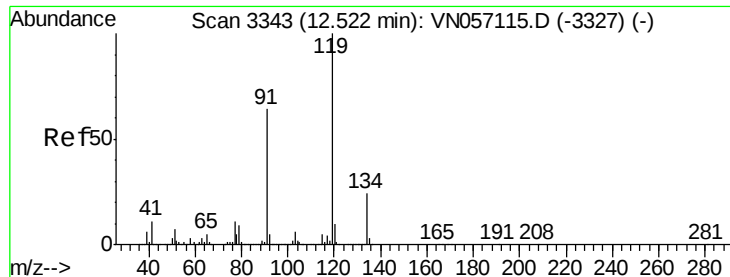
126 35.6 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN057211.D (-3179) (-)

Ion 125.90 (125.60 to 126.60): VN057211.D (-3179) (-)





#83

tert-Butylbenzene

Concen: 53.983 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1727852

Ion Ratio Lower Upper

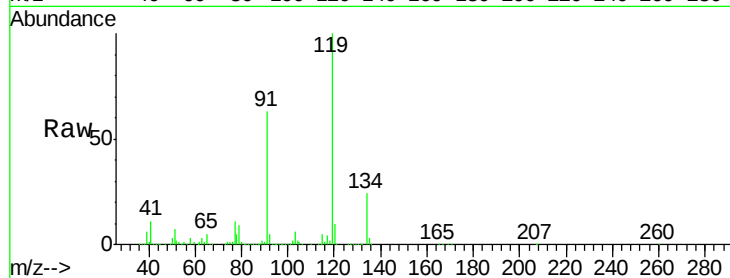
119 100

91 61.4 31.4 94.2

134 26.1 13.2 39.6

Manual Integrations  
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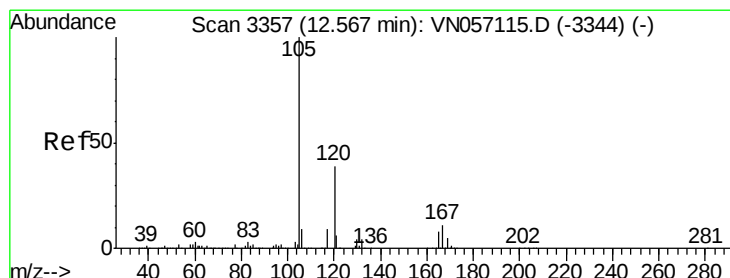
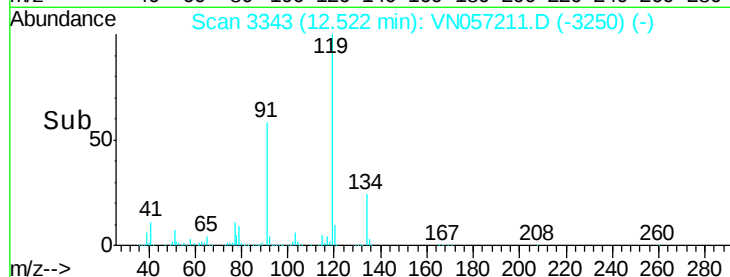
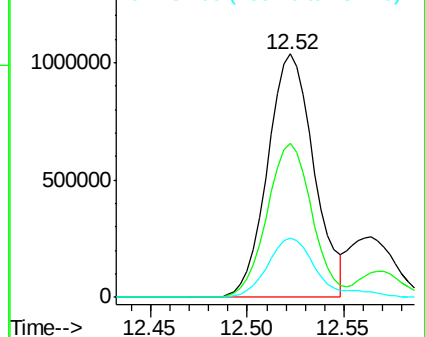
MMDadoda  
8/14/2019 9:23:48 AM



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: 47.230 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN057211.D

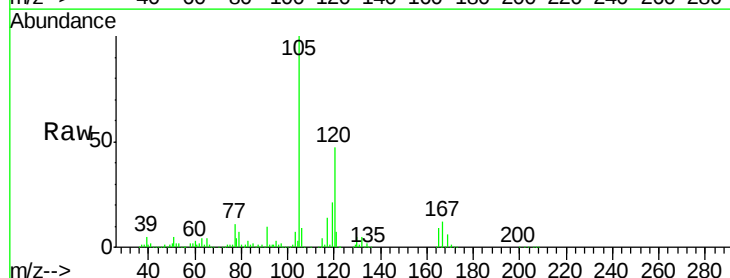
Acq: 12 Aug 2019 13:03

Tgt Ion:105 Resp: 1859302

Ion Ratio Lower Upper

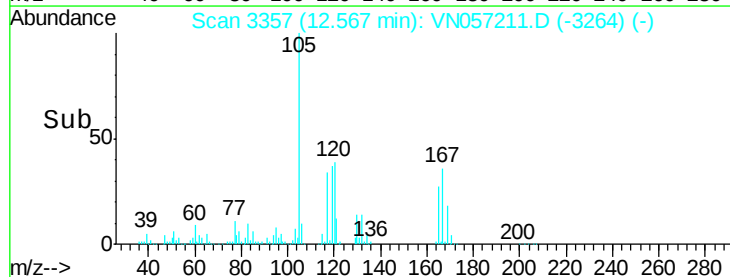
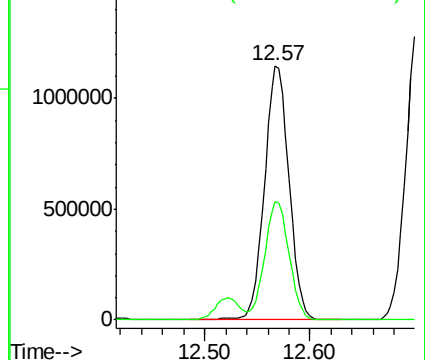
105 100

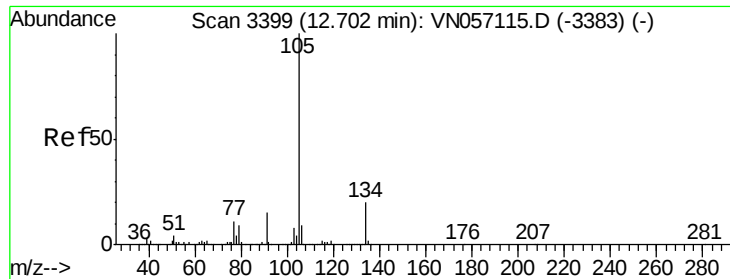
120 46.3 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 46.547 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2139434

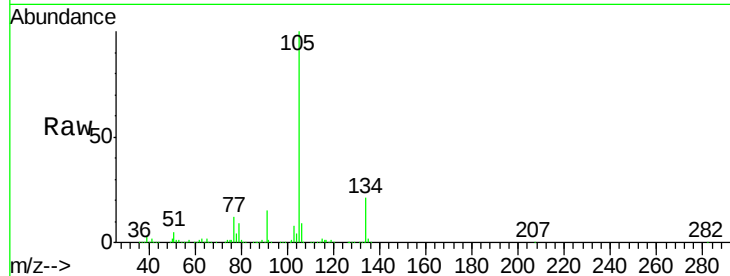
Ion Ratio Lower Upper

105 100

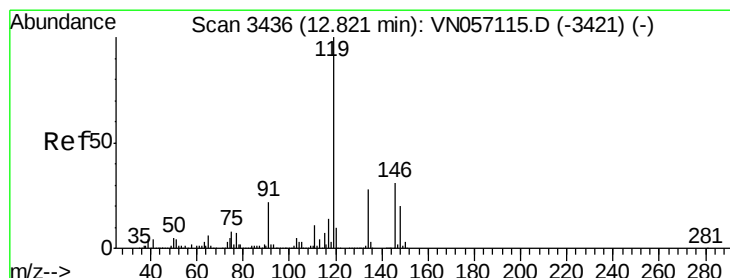
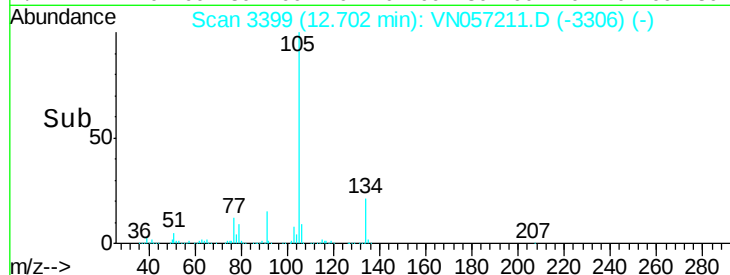
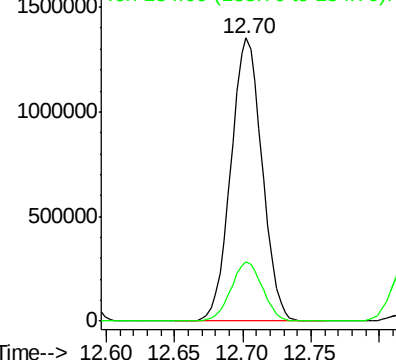
134 21.1 10.2 30.4

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Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.835 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

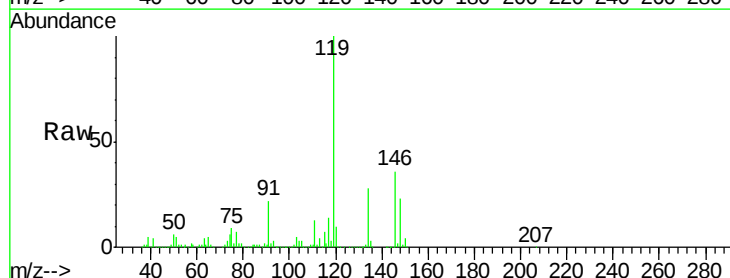
Tgt Ion:119 Resp: 1929221

Ion Ratio Lower Upper

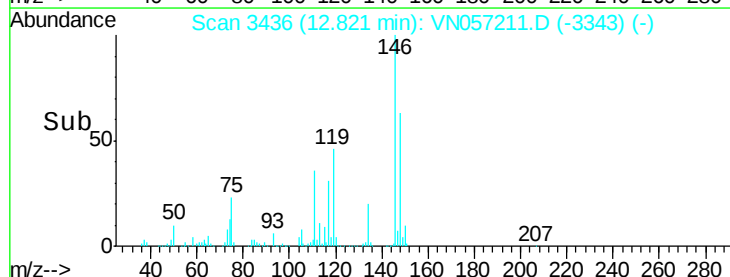
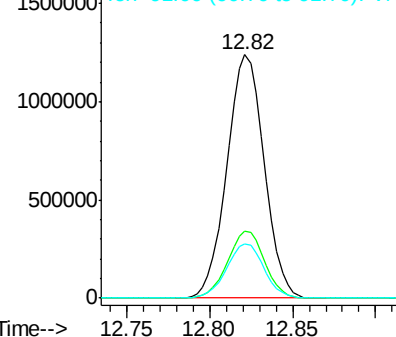
119 100

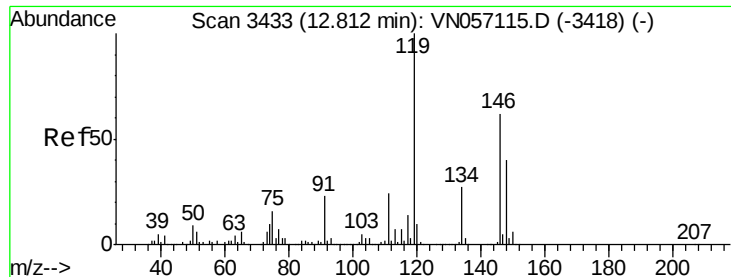
134 27.4 13.8 41.3

91 22.3 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 134.00 (133.70 to 134.70): V  
Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.599 ug/l

RT: 12.81 min Scan# 3434

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA\_N

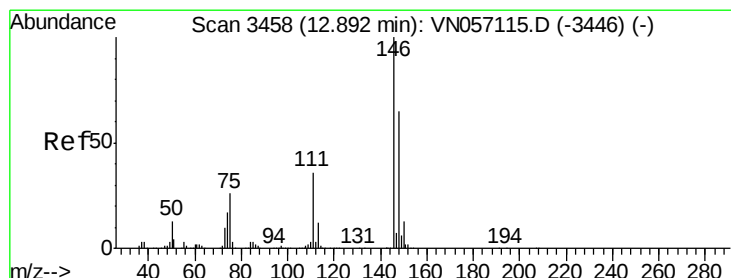
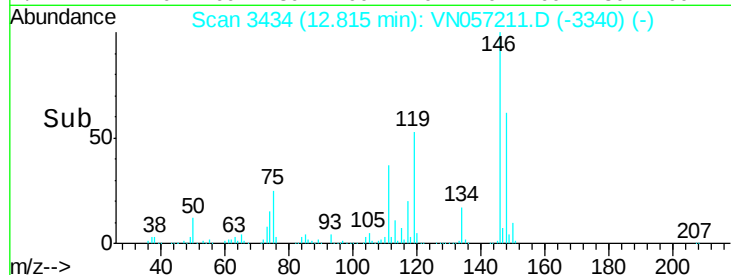
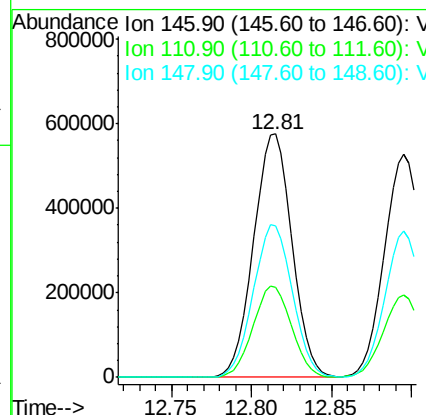
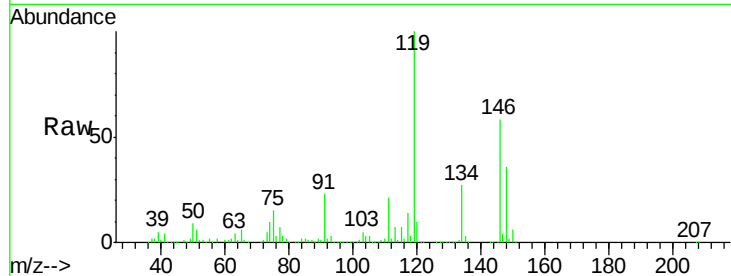
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 949542 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 37.6  | 18.8  | 56.4   |
| 148       | 63.7  | 32.4  | 97.0   |

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#88

1,4-Dichlorobenzene

Concen: 51.189 ug/l

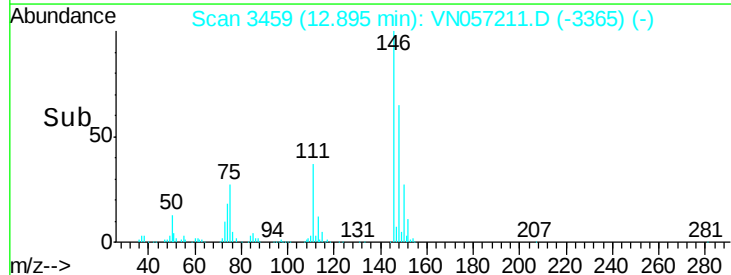
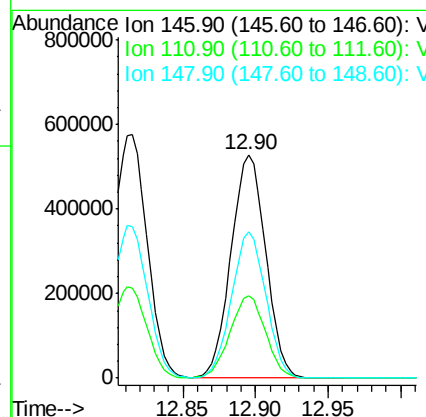
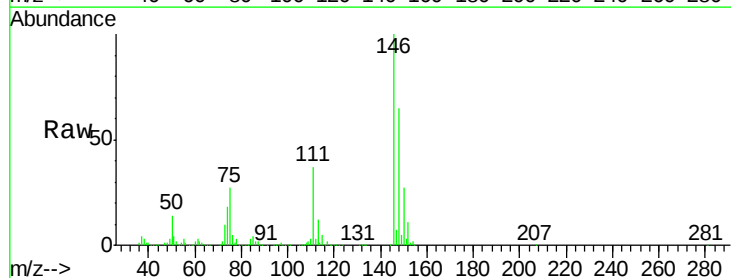
RT: 12.90 min Scan# 3459

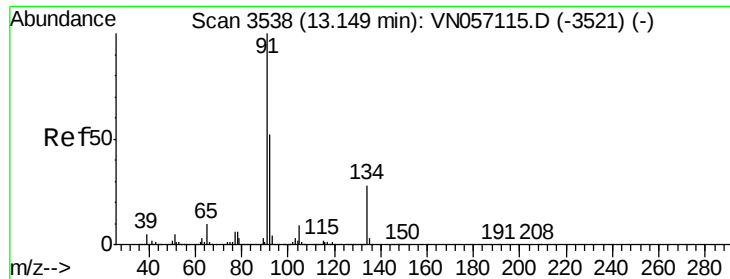
Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 875556 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 37.5  | 18.2  | 54.6   |
| 148       | 64.7  | 32.0  | 96.2   |





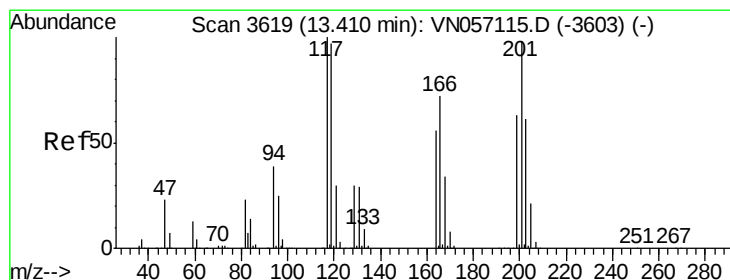
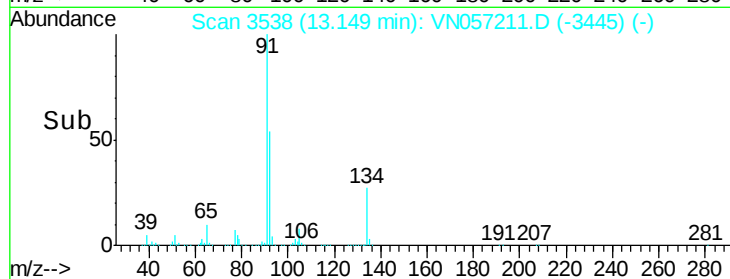
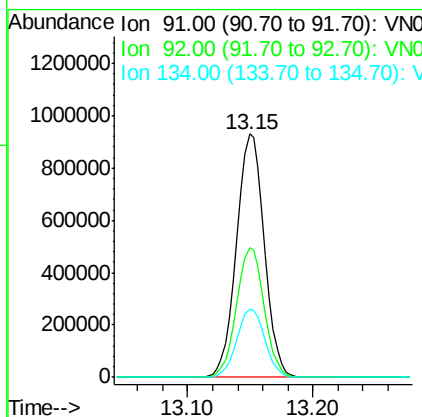
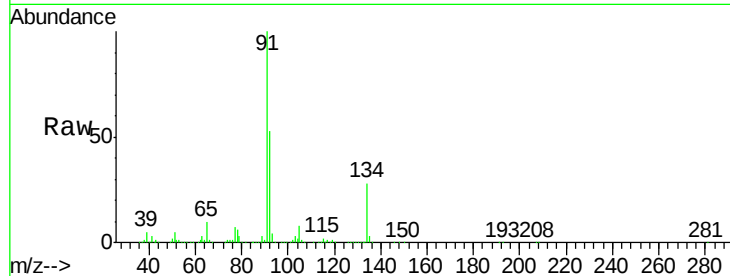
#89  
n-Butylbenzene  
Concen: 51.397 ug/l  
RT: 13.15 min Scan# 3538  
Delta R.T. -0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.0  | 26.5  | 79.4  |
| 134     | 28.4  | 14.1  | 42.3  |

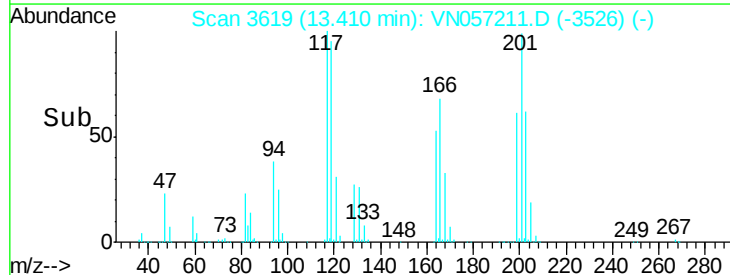
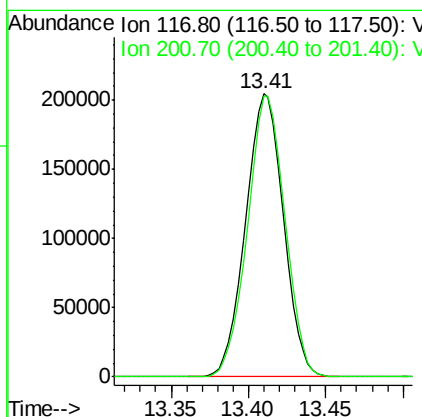
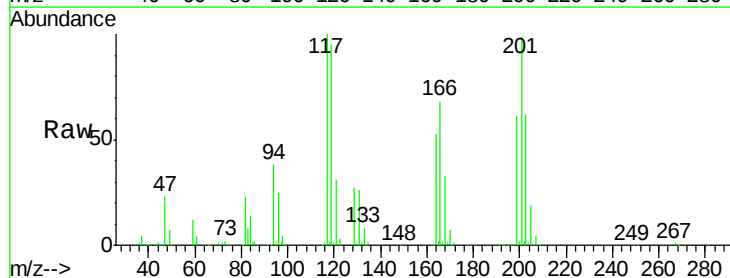
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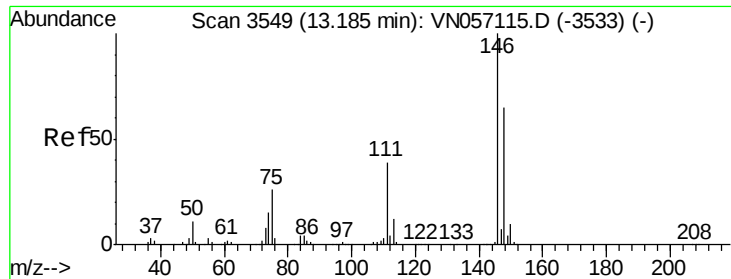
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#90  
Hexachloroethane  
Concen: 54.572 ug/l  
RT: 13.41 min Scan# 3619  
Delta R.T. 0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 98.3  | 49.3  | 147.8 |





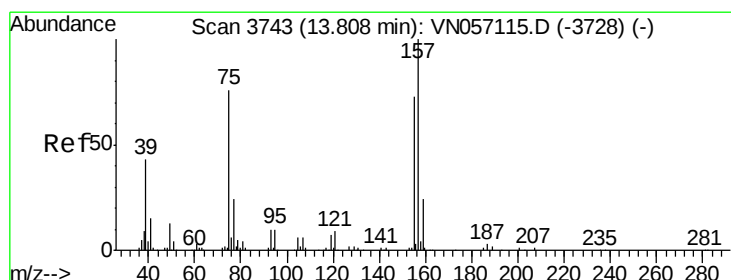
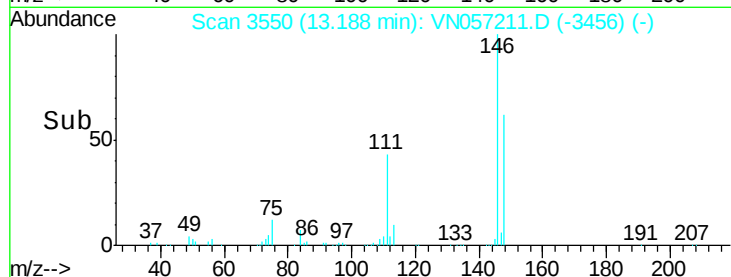
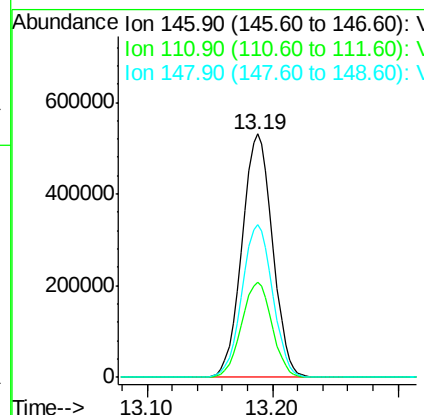
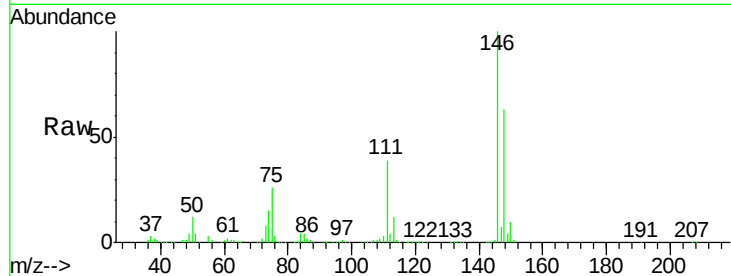
#91  
 1,2-Dichlorobenzene  
 Concen: 49.713 ug/l  
 RT: 13.19 min Scan# 3550  
 Delta R.T. 0.00 min  
 Lab File: VN057211.D  
 Acq: 12 Aug 2019 13:03

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 896180 |       |       |
| 111     | 39.1  | 19.2   | 57.6  |       |
| 148     | 63.3  | 32.4   | 97.0  |       |

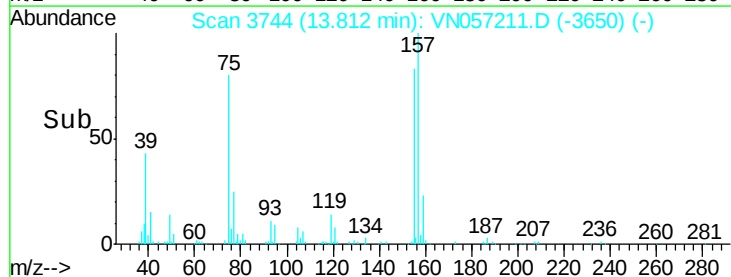
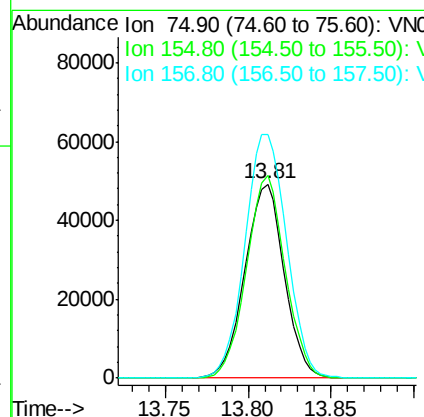
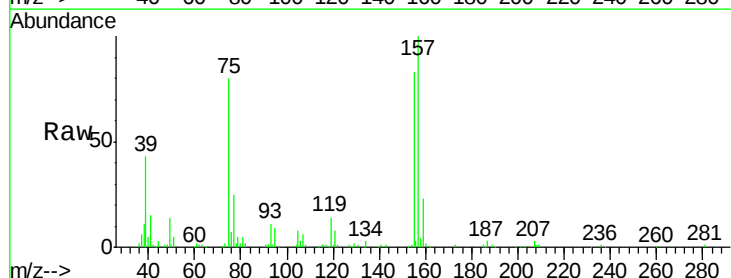
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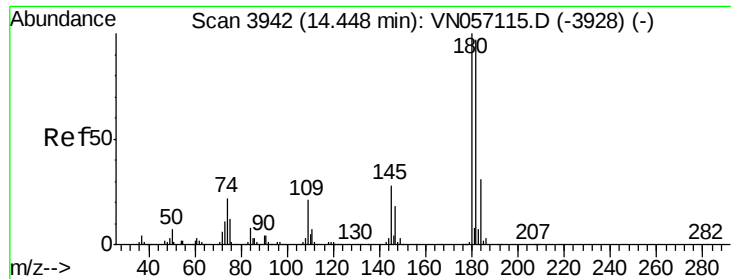
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 8/14/2019 9:23:48 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 43.822 ug/l  
 RT: 13.81 min Scan# 3744  
 Delta R.T. 0.00 min  
 Lab File: VN057211.D  
 Acq: 12 Aug 2019 13:03

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 81267 |       |       |
| 155     | 102.2 | 49.3  | 147.9 |       |
| 157     | 133.3 | 65.3  | 195.8 |       |





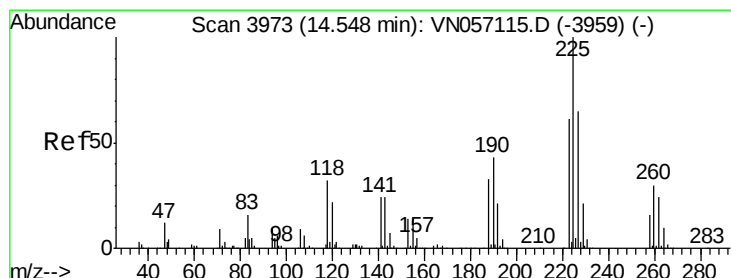
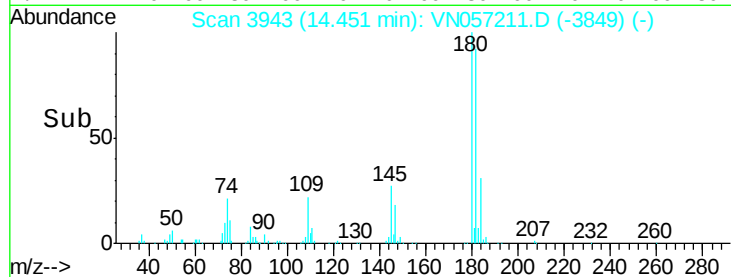
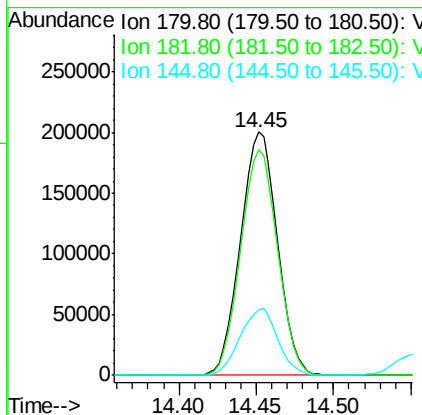
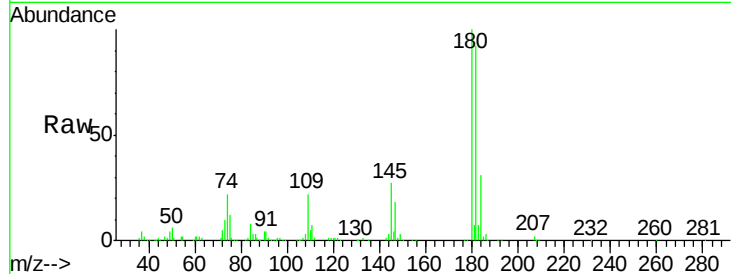
#93  
 1,2,4-Trichlorobenzene  
 Concen: 44.312 ug/l  
 RT: 14.45 min Scan# 3943  
 Delta R.T. 0.00 min  
 Lab File: VN057211.D  
 Acq: 12 Aug 2019 13:03

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 92.8  | 47.5 | 142.6 |       |
| 145     | 27.8  | 14.1 | 42.2  |       |

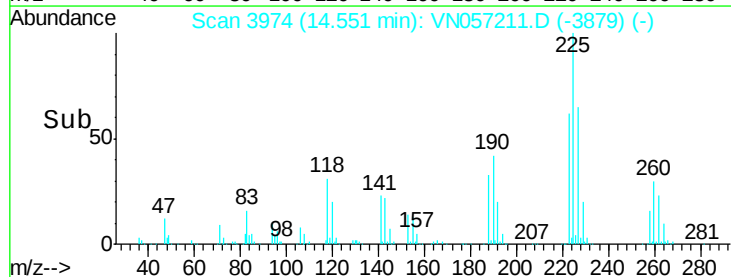
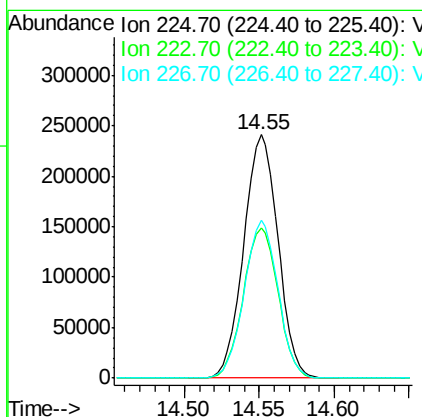
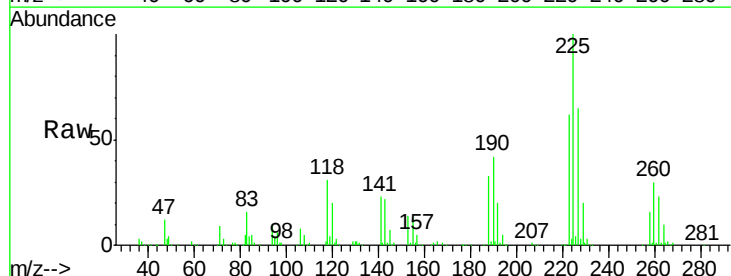
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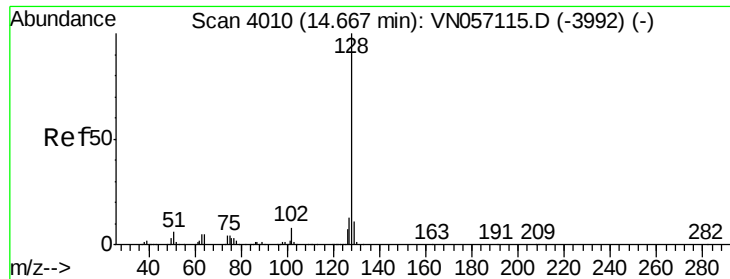
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#94  
 Hexachlorobutadiene  
 Concen: 61.990 ug/l  
 RT: 14.55 min Scan# 3974  
 Delta R.T. 0.00 min  
 Lab File: VN057211.D  
 Acq: 12 Aug 2019 13:03

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 62.7  | 30.9 | 92.8  |       |
| 227     | 63.9  | 32.4 | 97.0  |       |





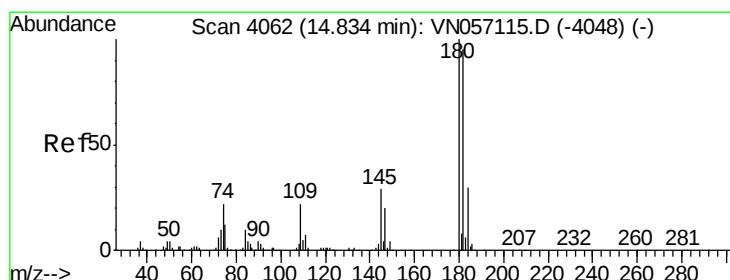
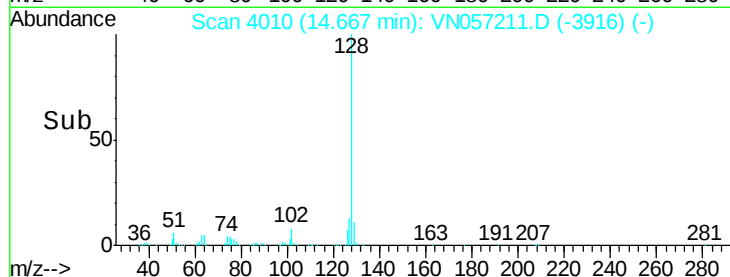
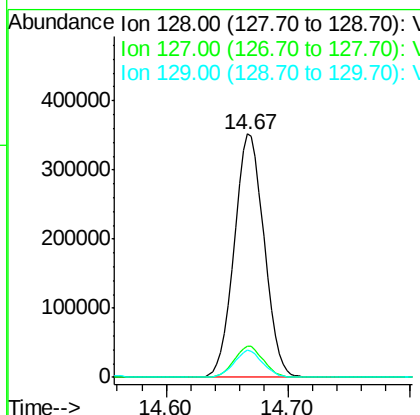
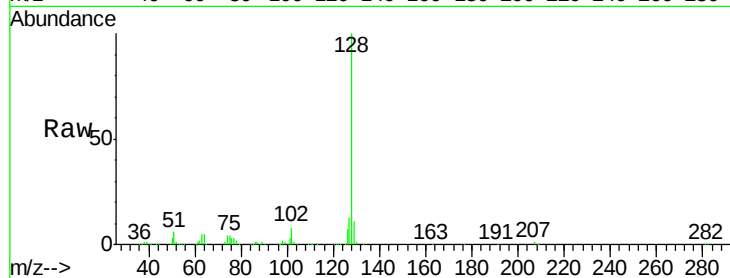
#95  
Naphthalene  
Concen: 40.732 ug/l  
RT: 14.67 min Scan# 4010  
Delta R.T. 0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 595483 |       |       |
| 127     | 12.4  | 10.3   | 15.5  |       |
| 129     | 10.6  | 8.8    | 13.2  |       |

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#96  
1,2,3-Trichlorobenzene  
Concen: 38.207 ug/l  
RT: 14.84 min Scan# 4063  
Delta R.T. 0.00 min  
Lab File: VN057211.D  
Acq: 12 Aug 2019 13:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 290074 |       |       |
| 182     | 94.4  | 48.3   | 144.8 |       |
| 145     | 28.4  | 14.9   | 44.5  |       |

