

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091219\  
 Data File : VN057952.D  
 Acq On : 12 Sep 2019 2:03  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/13/2019 11:07:11 AM

Quant Time: Sep 12 04:02:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 10 03:02:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.65  | 168  | 316887   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 516703   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 496456   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 302792   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.01   | 65  | 333103   | 51.90 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.80% |      |
| 35) Dibromofluoromethane  | 7.58   | 113 | 237344   | 49.77 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.54%  |      |
| 50) Toluene-d8            | 10.09  | 98  | 977531   | 52.79 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.58% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 356355   | 50.50 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.00% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 214549  | 48.957  | ug/l   | 98     |
| 3) Chloromethane              | 2.03 | 50  | 193626  | 43.350  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.16 | 62  | 210431  | 44.514  | ug/l   | 99     |
| 5) Bromomethane               | 2.53 | 94  | 109714  | 41.990  | ug/l   | 98     |
| 6) Chloroethane               | 2.67 | 64  | 134151  | 44.534  | ug/l   | 95     |
| 7) Trichlorofluoromethane     | 2.99 | 101 | 267404  | 44.949  | ug/l   | 97     |
| 8) Diethyl Ether              | 3.39 | 74  | 115871  | 46.698  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101 | 179152  | 47.737  | ug/l   | 99     |
| 10) Methyl Iodide             | 3.93 | 142 | 177323  | 42.460  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.77 | 59  | 181775  | 233.999 | ug/l # | 87     |
| 12) 1,1-Dichloroethene        | 3.71 | 96  | 153574  | 45.513  | ug/l   | 98     |
| 13) Acrolein                  | 3.59 | 56  | 140765  | 213.588 | ug/l   | 99     |
| 14) Allyl chloride            | 4.30 | 41  | 292875  | 44.352  | ug/l   | 99     |
| 15) Acrylonitrile             | 4.96 | 53  | 523291  | 245.083 | ug/l   | 99     |
| 16) Acetone                   | 3.80 | 43  | 439106  | 208.697 | ug/l   | 99     |
| 17) Carbon Disulfide          | 4.03 | 76  | 225210  | 42.906  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.30 | 43  | 286703  | 51.106  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.02 | 73  | 687666  | 48.970  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.53 | 84  | 209590  | 52.384  | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 168324  | 46.146  | ug/l   | 96     |
| 22) Diisopropyl ether         | 5.93 | 45  | 780405  | 50.395  | ug/l   | 100    |
| 23) Vinyl Acetate             | 5.87 | 43  | 2816565 | 256.639 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 408853  | 48.308  | ug/l   | 99     |
| 25) 2-Butanone                | 6.82 | 43  | 724532  | 237.920 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.81 | 77  | 228168  | 34.066  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 6.81 | 96  | 233216  | 47.709  | ug/l   | 98     |
| 28) Bromochloromethane        | 7.18 | 49  | 215426  | 50.950  | ug/l   | 97     |
| 29) Tetrahydrofuran           | 7.19 | 42  | 463046  | 246.759 | ug/l   | 99     |
| 30) Chloroform                | 7.36 | 83  | 433695  | 49.009  | ug/l   | 99     |
| 31) Cyclohexane               | 7.64 | 56  | 294991  | 51.201  | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 341959  | 48.724  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.78 | 75  | 279121  | 46.579  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.91 | 43  | 295919  | 47.796  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.76 | 117 | 267590  | 48.910  | ug/l   | 98     |

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 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/13/2019 11:07:11 AM

Quant Time: Sep 12 04:02:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 10 03:02:13 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 288613   | 45.816  | ug/l   | 100      |
| 40) Benzene                    | 8.03  | 78   | 878898   | 48.717  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.15  | 41   | 138884   | 49.418  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 8.11  | 62   | 349161   | 48.392  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.15  | 43   | 517984   | 49.750  | ug/l # | 90       |
| 44) Trichloroethene            | 8.83  | 130  | 208175   | 47.046  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.11  | 63   | 262816   | 50.064  | ug/l   | 99       |
| 46) Dibromomethane             | 9.20  | 93   | 158235   | 49.881  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 320741   | 50.632  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.19  | 41   | 258611   | 48.966  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.19  | 88   | 81716    | 914.924 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 1632944  | 265.032 | ug/l   | 100      |
| 52) Toluene                    | 10.15 | 92   | 560400   | 49.318  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 322700   | 48.375  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 356821   | 48.448  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 241846   | 50.246  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 369279   | 50.948  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 412785   | 49.764  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 874373   | 256.127 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 1186317  | 256.882 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 230482   | 51.568  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 228464   | 50.207  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 179246   | 48.900  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.44 | 112  | 628987   | 48.411  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 229725   | 50.955  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.51 | 91   | 1152857  | 50.630  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 834042   | 99.997  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 415391   | 50.096  | ug/l   | 97       |
| 70) Styrene                    | 11.97 | 104  | 739524   | 51.823  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 143606   | 51.091  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1167735  | 49.700  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 506067   | 49.491  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 371992   | 47.022  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.56 | 75   | 310270m  | 45.297  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 273021   | 46.607  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.60 | 91   | 1362153  | 50.487  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 812943   | 47.673  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 995506   | 50.145  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 83488    | 42.892  | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 12.78 | 91   | 849597   | 48.516  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.00 | 119  | 863248   | 48.918  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.05 | 105  | 1010992  | 50.106  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.18 | 105  | 1171684  | 50.094  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 1050847  | 50.990  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.29 | 146  | 519503   | 48.315  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.37 | 146  | 516266   | 47.302  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 967923   | 49.734  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 153517   | 50.088  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 520530   | 48.457  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.28 | 75   | 66757    | 51.098  | ug/l   | 97       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

MMDadoda  
9/13/2019 11:07:11 AM

Quant Time: Sep 12 04:02:23 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 10 03:02:13 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.92 | 180  | 319488   | 45.503 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.02 | 225  | 134338   | 45.136 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 918266   | 51.863 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 304589   | 49.698 | ug/l  | 99       |

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

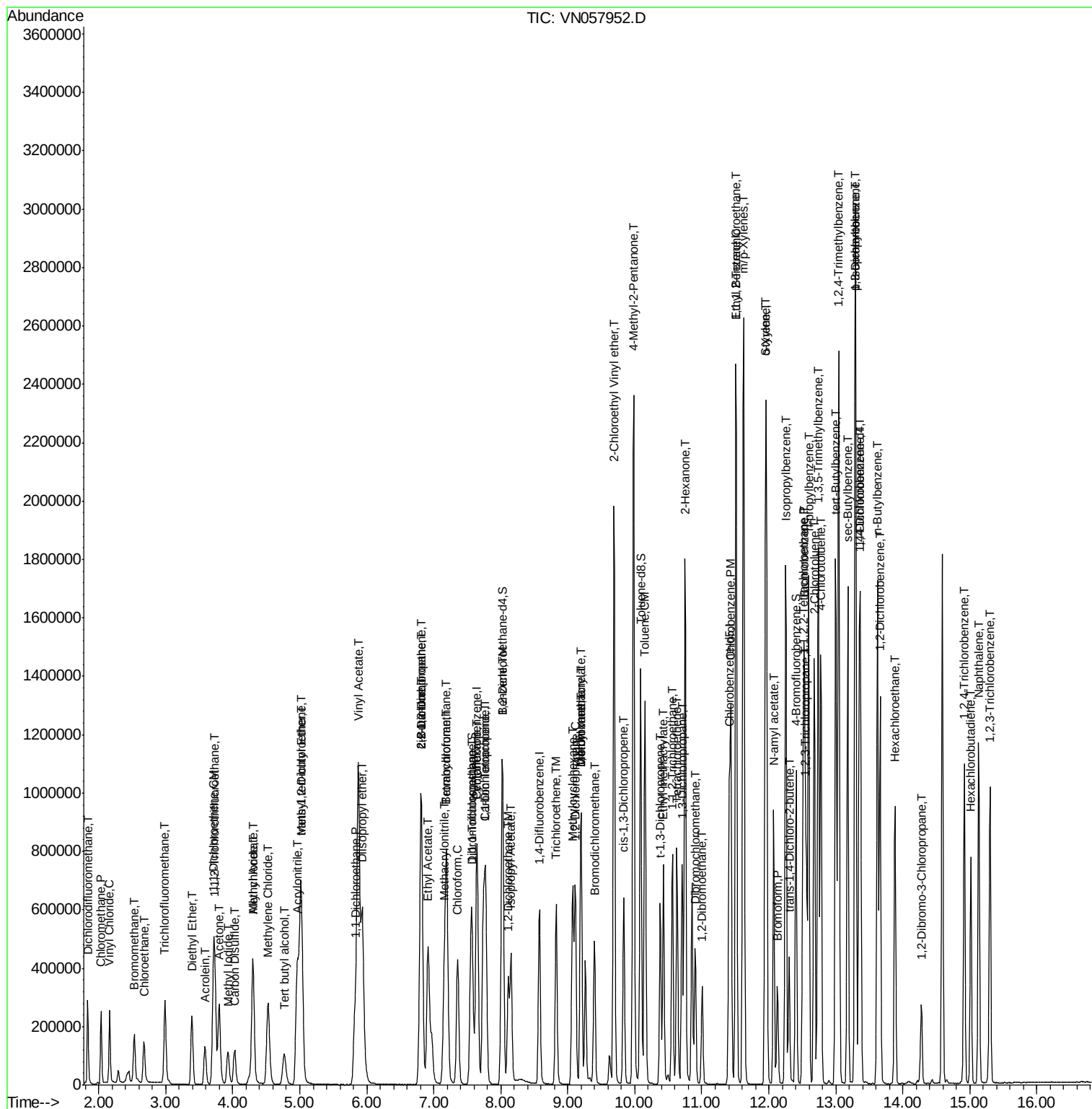
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Data File : VN057952.D  
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ALS Vial : 29 Sample Multiplier: 1

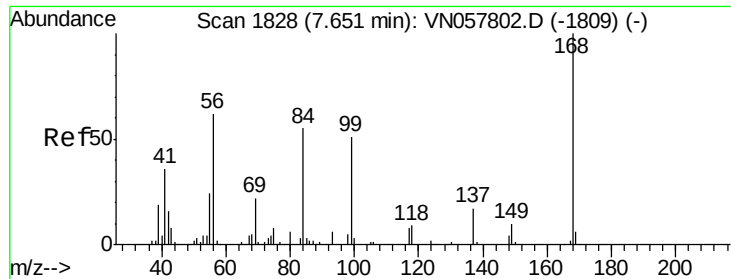
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
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MMDadoda  
9/13/2019 11:07:11 AM

Quant Time: Sep 12 04:02:23 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 10 03:02:13 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 316887

Ion Ratio Lower Upper

168 100

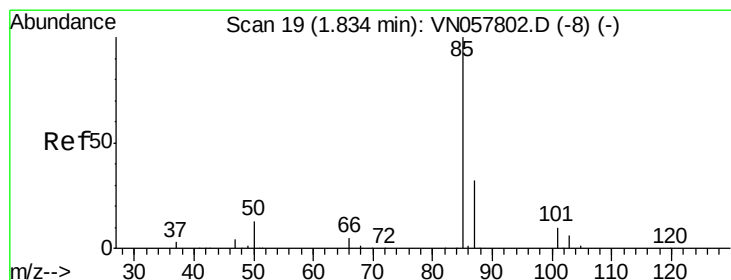
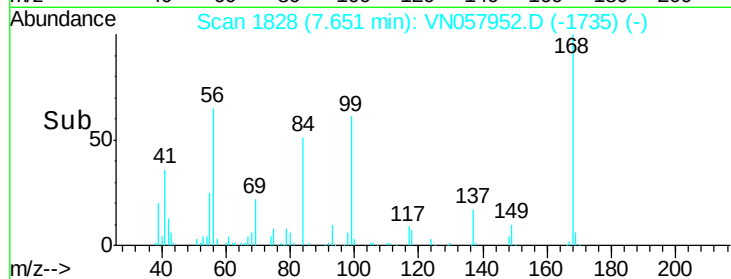
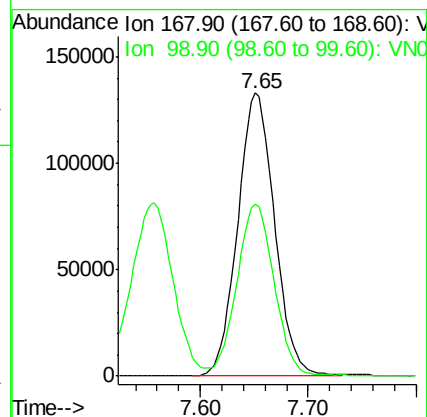
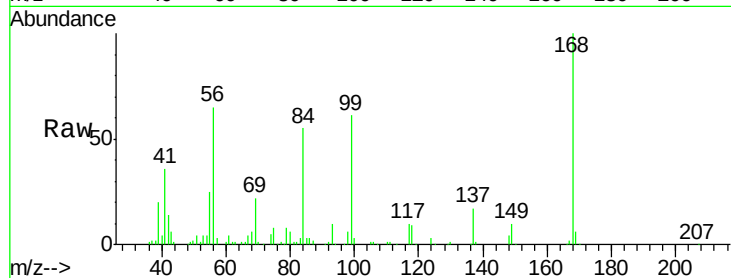
99 60.1 48.0 72.0

Manual Integrations

APPROVED

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9/13/2019 11:07:11 AM



#2

Dichlorodifluoromethane

Concen: 48.957 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057952.D

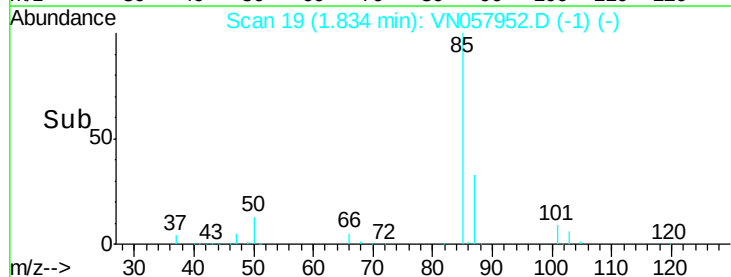
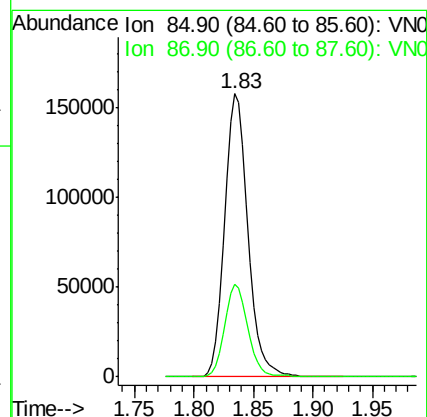
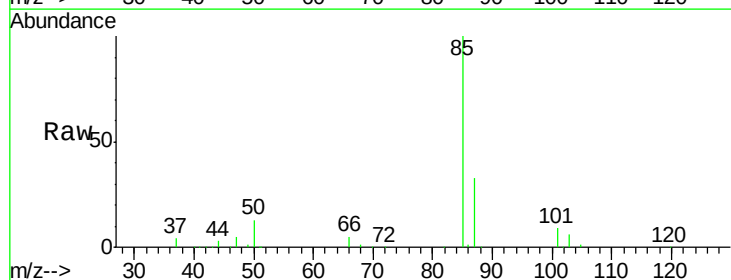
Acq: 12 Sep 2019 2:03

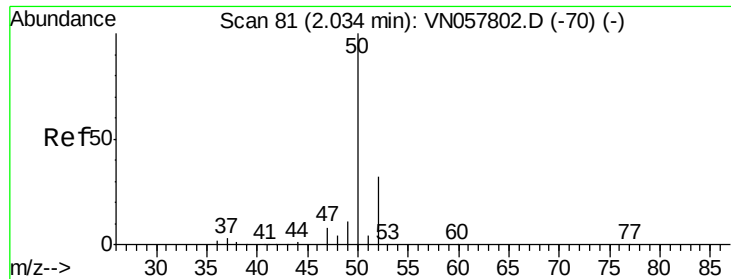
Tgt Ion: 85 Resp: 214549

Ion Ratio Lower Upper

85 100

87 32.8 16.0 47.9





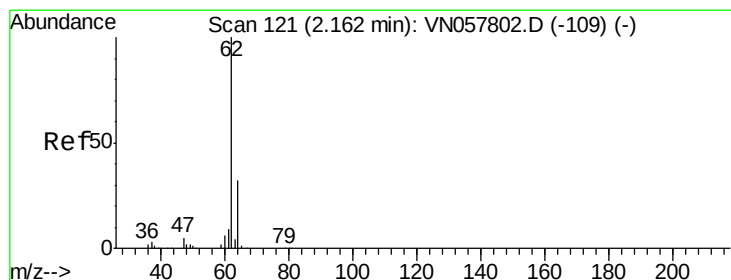
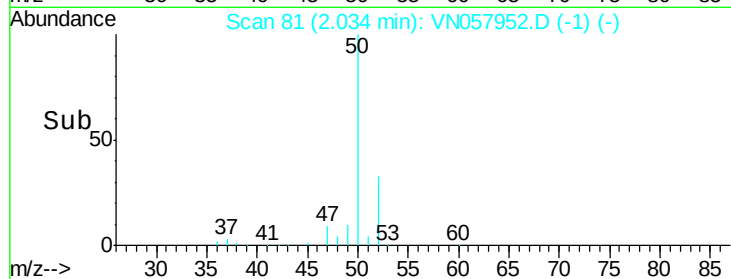
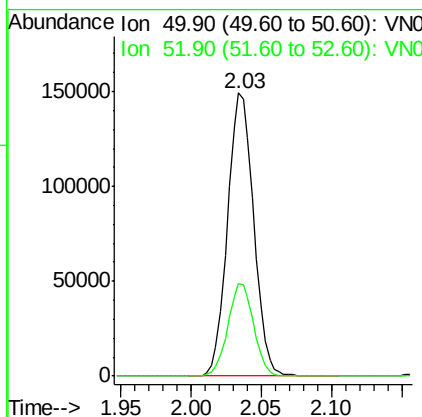
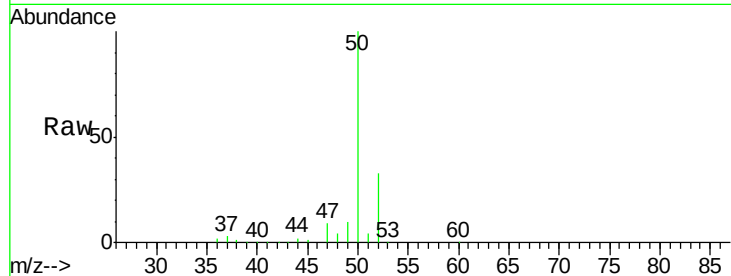
#3  
Chloromethane  
Concen: 43.350 ug/l  
RT: 2.03 min Scan# 81  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 50      | 100   |       |       |
| 52      | 32.6  | 25.5  | 38.3  |

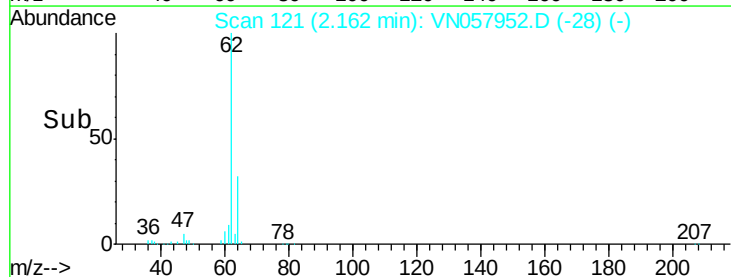
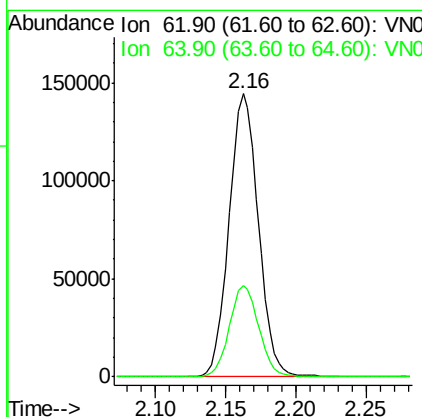
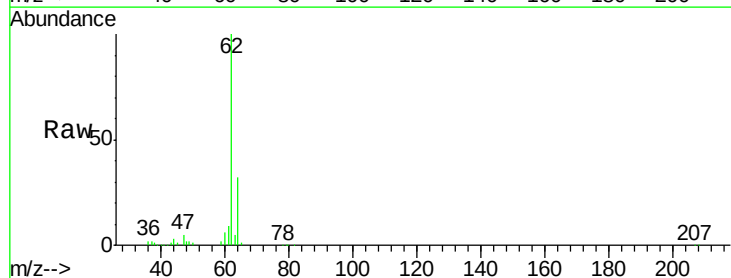
Manual Integrations  
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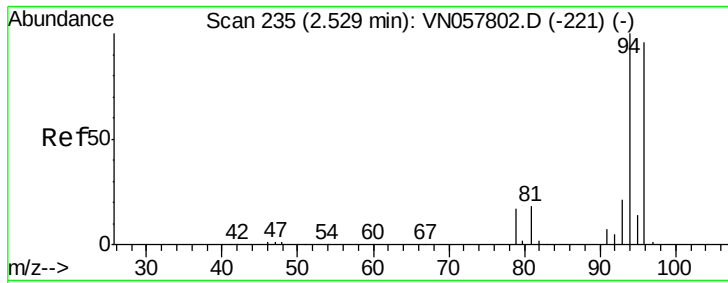
MMDadoda  
9/13/2019 11:07:11 AM



#4  
Vinyl Chloride  
Concen: 44.514 ug/l  
RT: 2.16 min Scan# 121  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 64      | 32.5  | 25.6  | 38.4  |





#5

Bromomethane

Concen: 41.990 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 109714

Ion Ratio Lower Upper

94 100

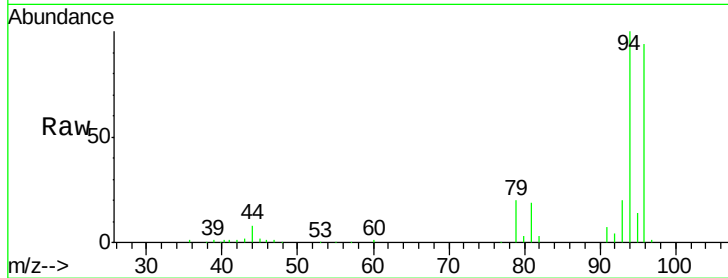
96 93.9 77.0 115.4

Manual Integrations

APPROVED

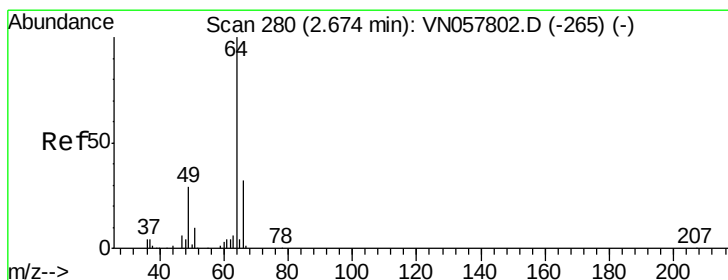
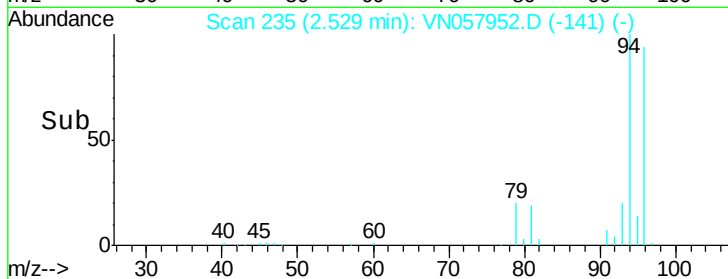
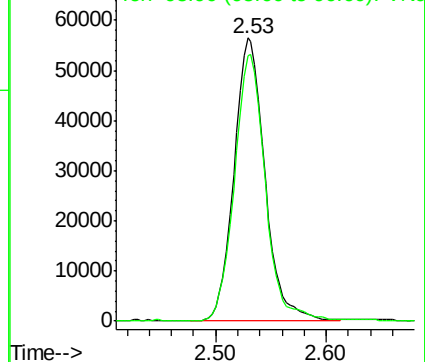
MMDadoda

9/13/2019 11:07:11 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 44.534 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN057952.D

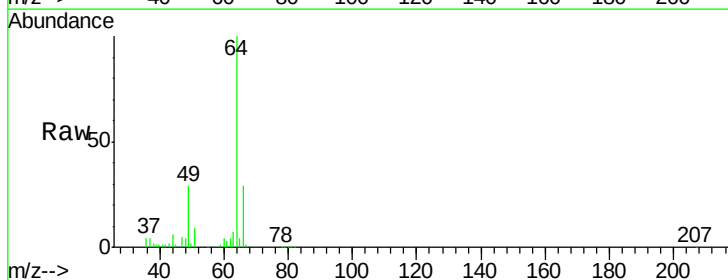
Acq: 12 Sep 2019 2:03

Tgt Ion: 64 Resp: 134151

Ion Ratio Lower Upper

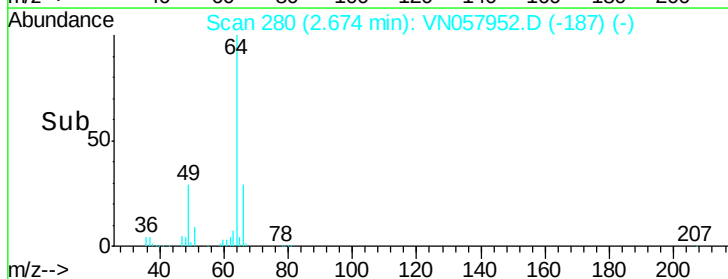
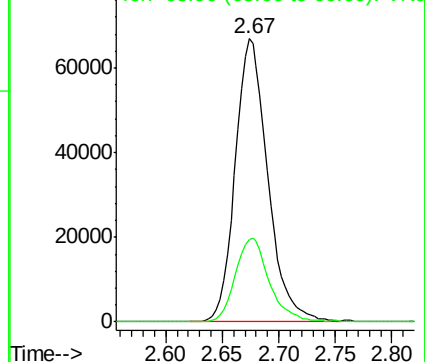
64 100

66 29.1 25.5 38.3

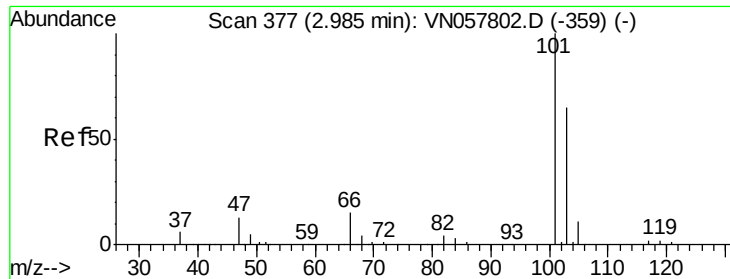


Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO







#7

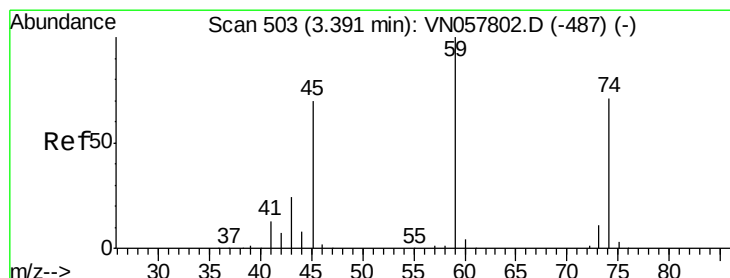
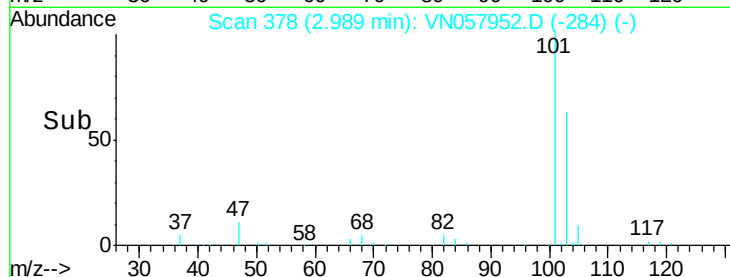
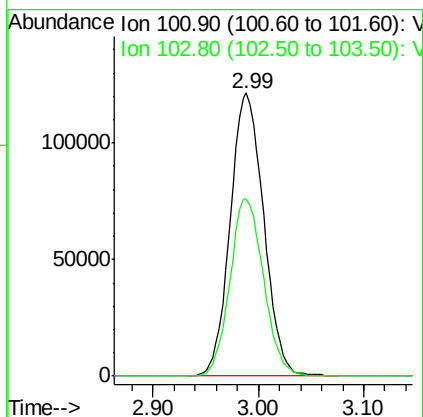
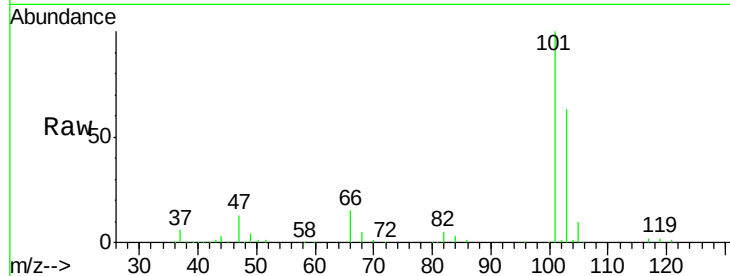
Trichlorofluoromethane  
Concen: 44.949 ug/l  
RT: 2.99 min Scan# 378  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 62.7  | 51.9  | 77.9  |

Manual Integrations  
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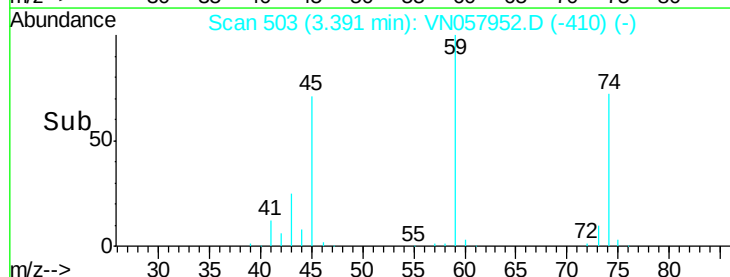
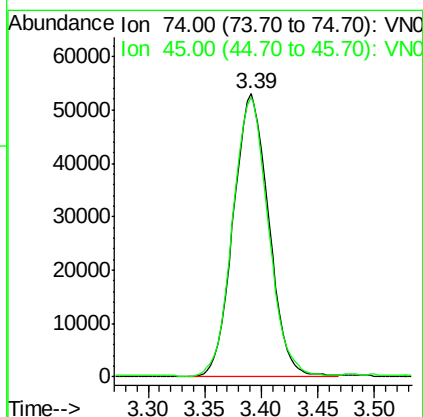
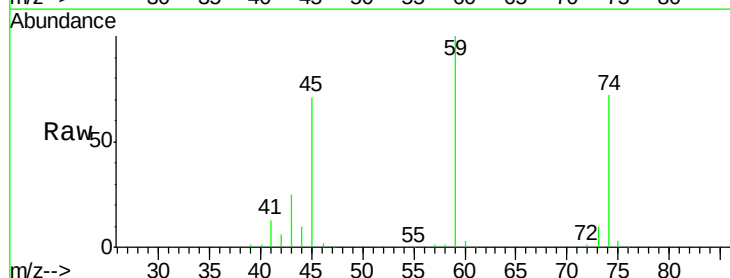
MMDadoda  
9/13/2019 11:07:11 AM



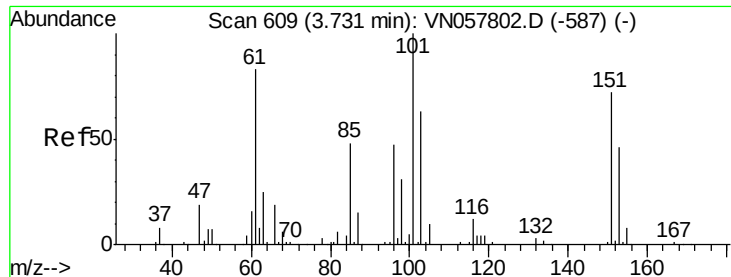
#8

Diethyl Ether  
Concen: 46.698 ug/l  
RT: 3.39 min Scan# 503  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 98.6  | 50.3  | 151.0 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.737 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Instrument :

MSVOA\_N

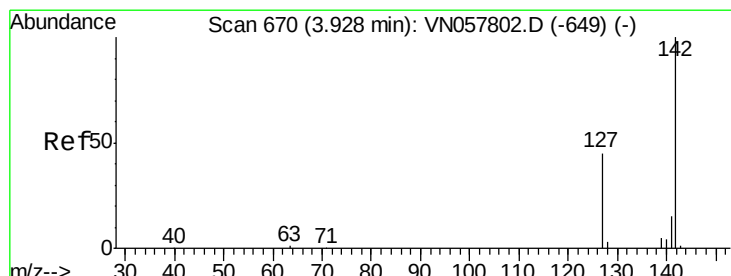
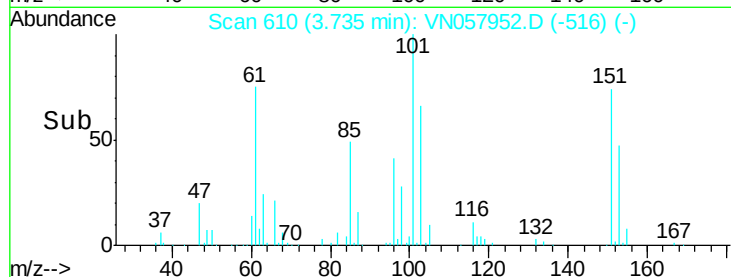
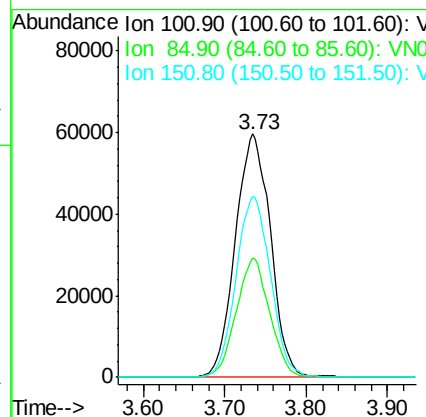
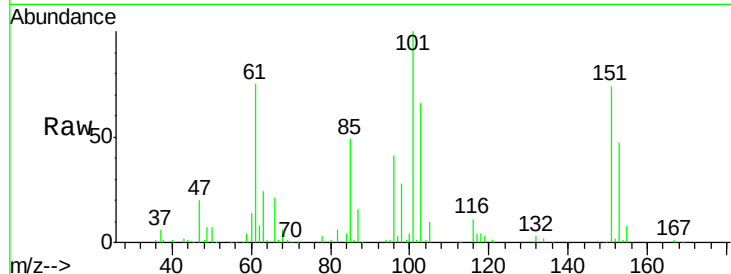
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 179152 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 46.5  | 38.1  | 57.1   |
| 151       | 72.8  | 58.4  | 87.6   |

Manual Integrations  
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#10

Methyl Iodide

Concen: 42.460 ug/l

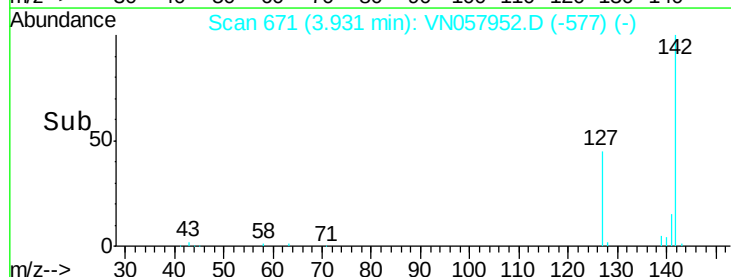
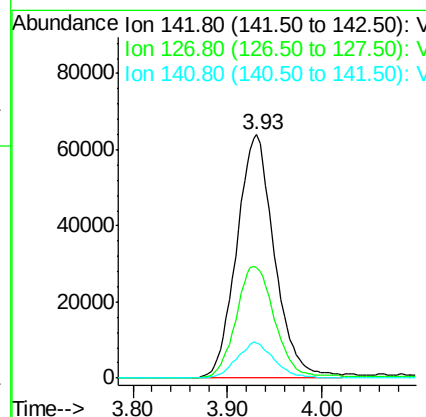
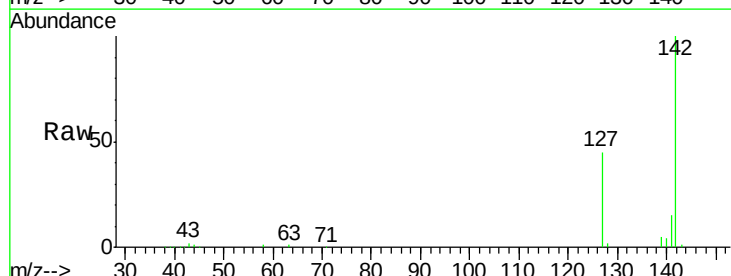
RT: 3.93 min Scan# 671

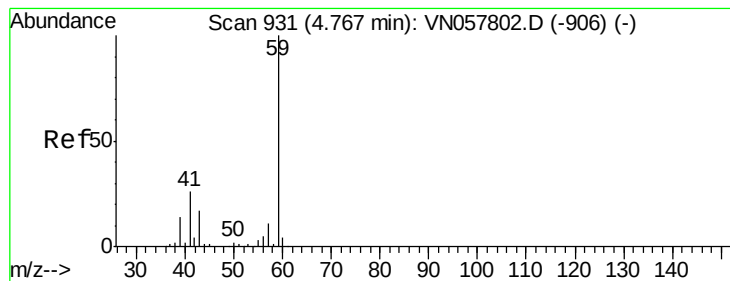
Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 177323 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 47.0  | 36.7  | 55.1   |
| 141       | 14.5  | 11.4  | 17.0   |





#11

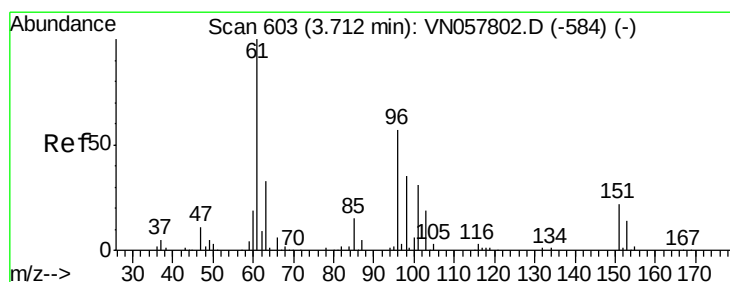
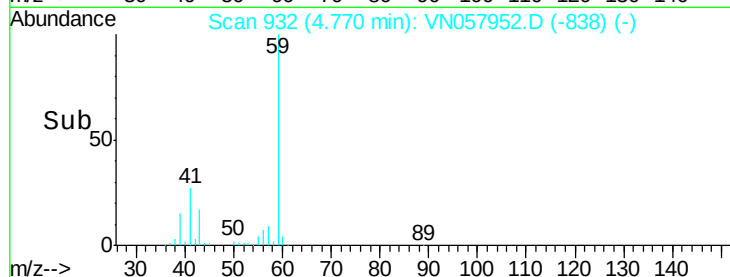
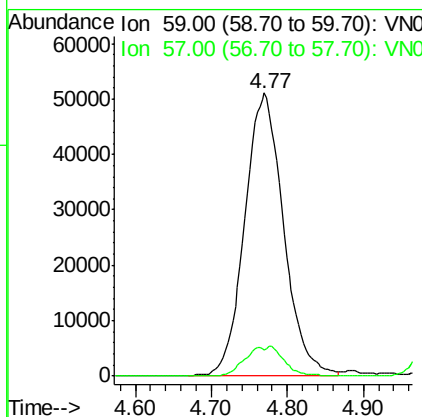
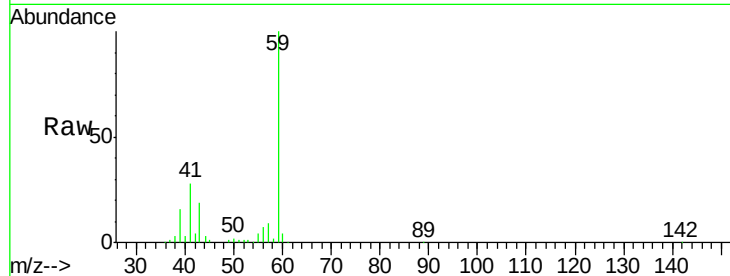
Tert butyl alcohol  
Concen: 233.999 ug/l  
RT: 4.77 min Scan# 932  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 59      | 100   | 181775 |       |       |
| 57      | 5.5   | 8.4    | 12.6# |       |

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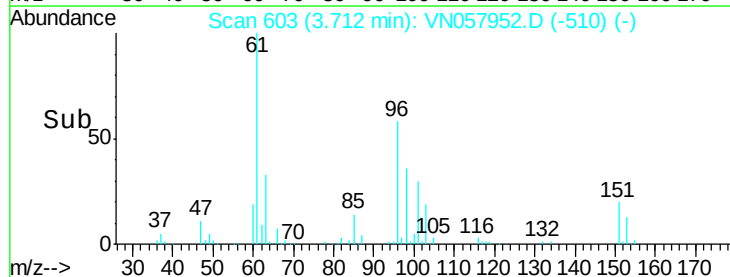
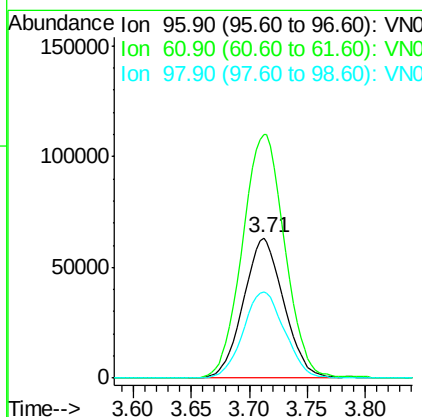
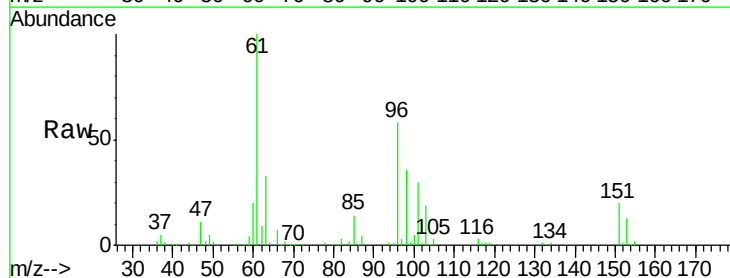
MMDadoda  
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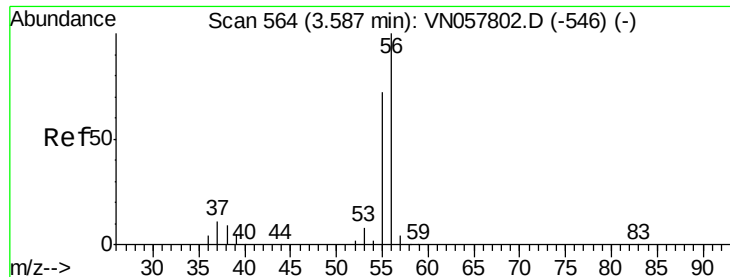


#12

1,1-Dichloroethene  
Concen: 45.513 ug/l  
RT: 3.71 min Scan# 603  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 153574 |       |       |
| 61      | 173.7 | 141.2  | 211.8 |       |
| 98      | 61.8  | 49.9   | 74.9  |       |





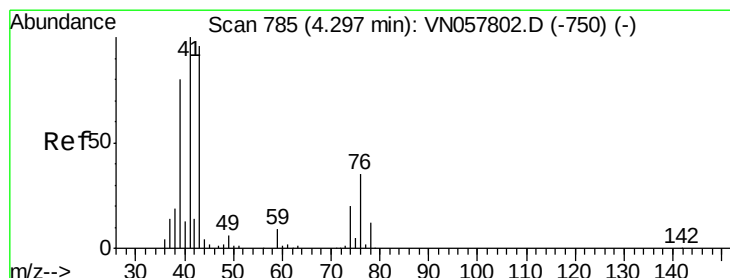
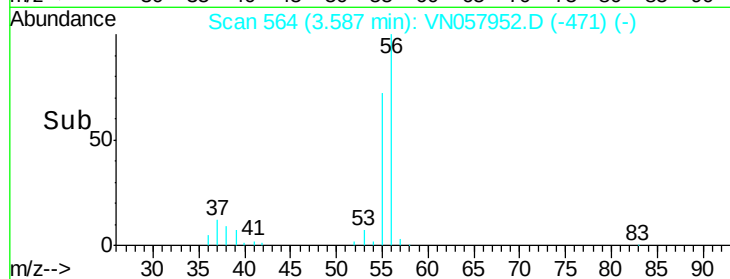
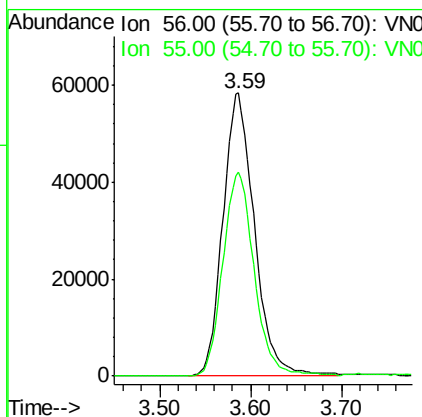
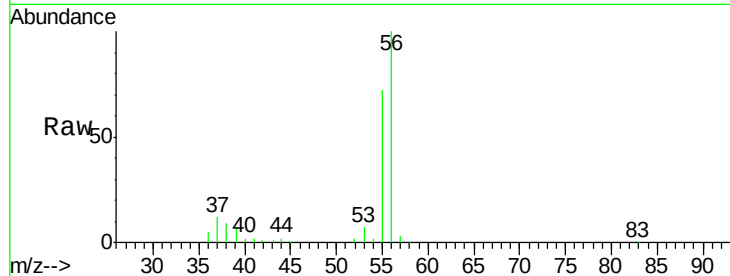
#13  
Acrolein  
Concen: 213.588 ug/l  
RT: 3.59 min Scan# 564  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 56      | 56  | 100   |       |       |
| 55      | 55  | 71.1  | 57.3  | 85.9  |

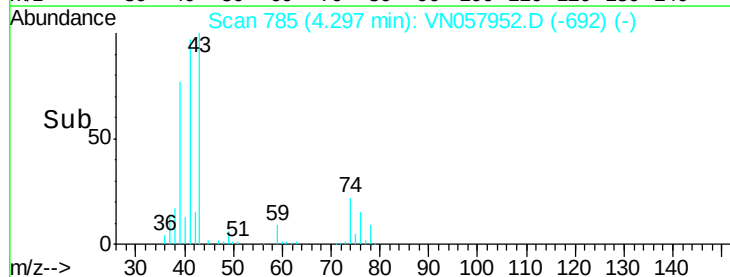
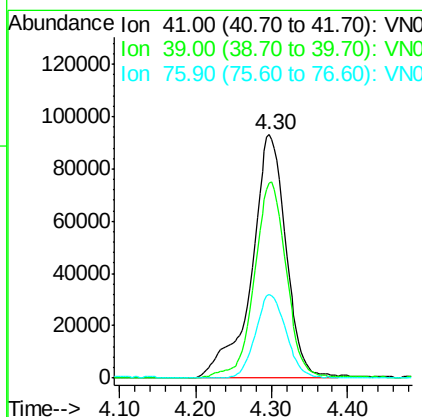
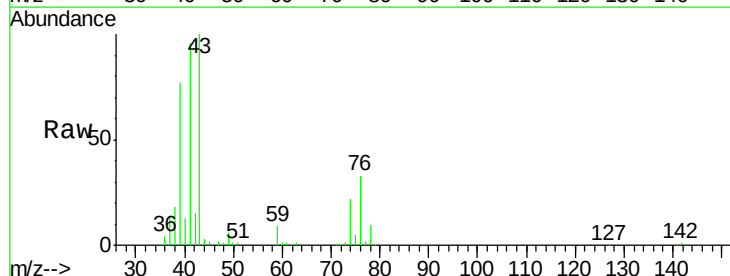
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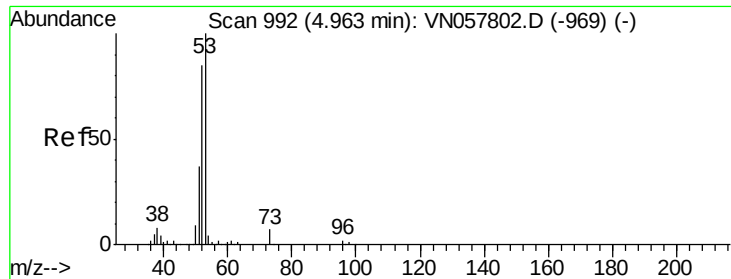
MMDadoda  
9/13/2019 11:07:11 AM



#14  
Allyl chloride  
Concen: 44.352 ug/l  
RT: 4.30 min Scan# 785  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 41      | 41  | 100   |       |       |
| 39      | 39  | 74.6  | 59.4  | 89.2  |
| 76      | 76  | 30.5  | 26.0  | 39.0  |





#15

Acrylonitrile

Concen: 245.083 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Instrument :

MSVOA\_N

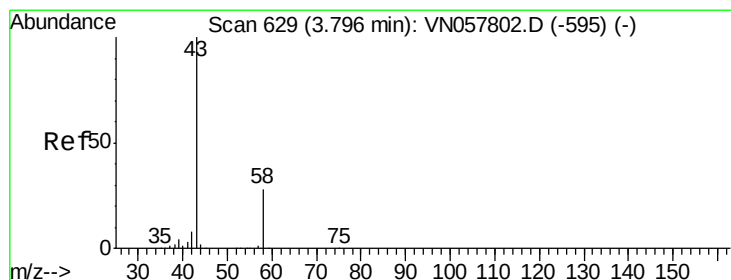
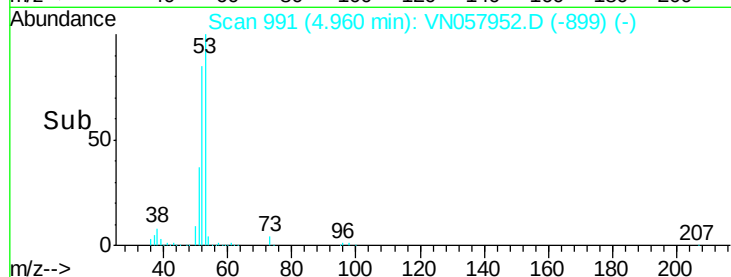
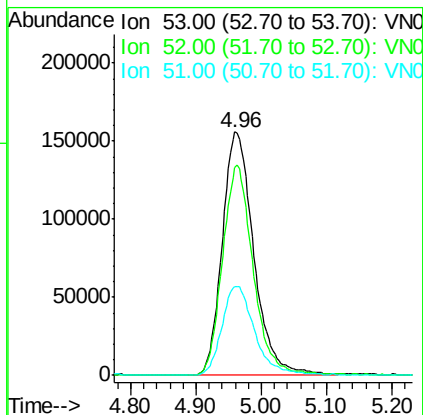
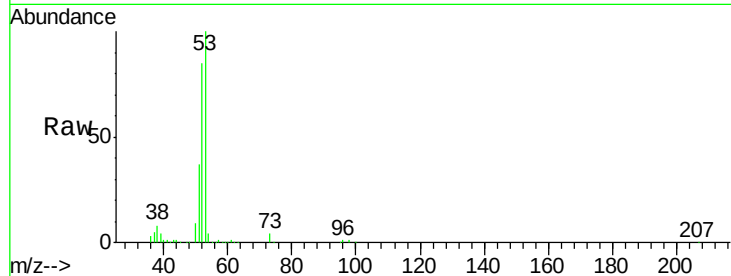
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 523291 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.9  | 66.6  | 100.0  |
| 51        | 38.2  | 29.8  | 44.8   |

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#16

Acetone

Concen: 208.697 ug/l

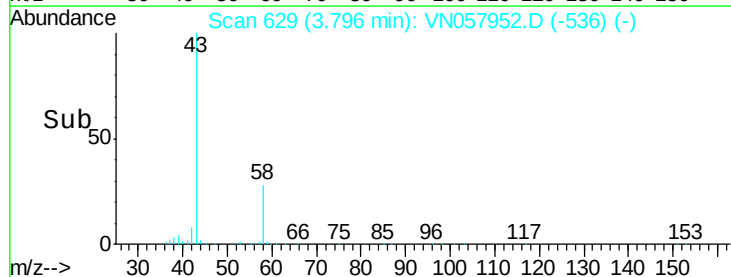
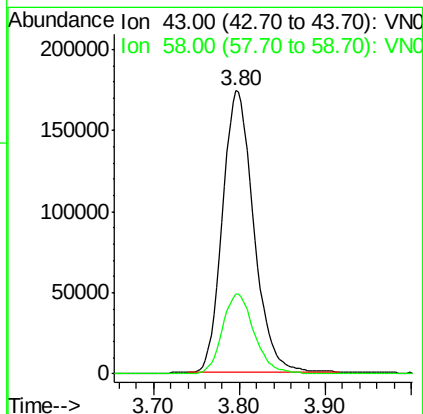
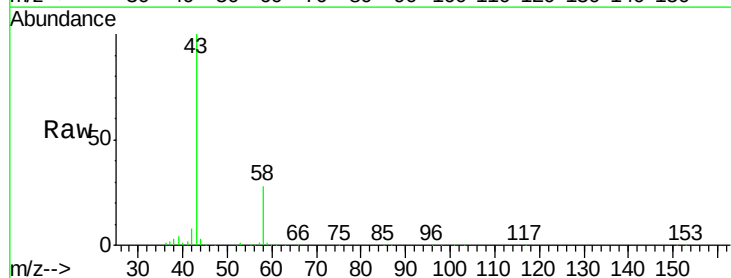
RT: 3.80 min Scan# 629

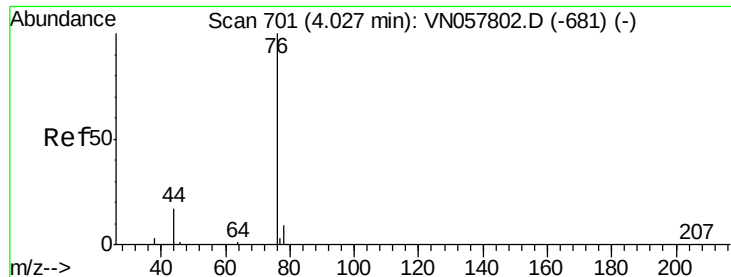
Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 439106 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 28.1  | 22.2  | 33.2   |





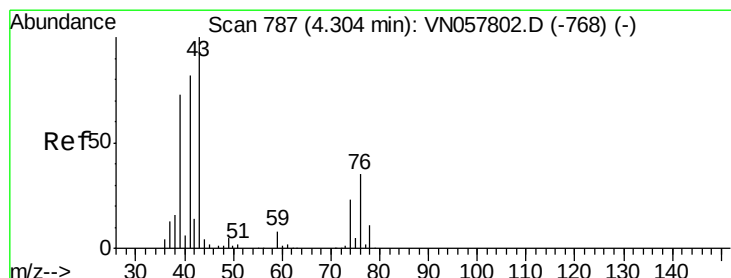
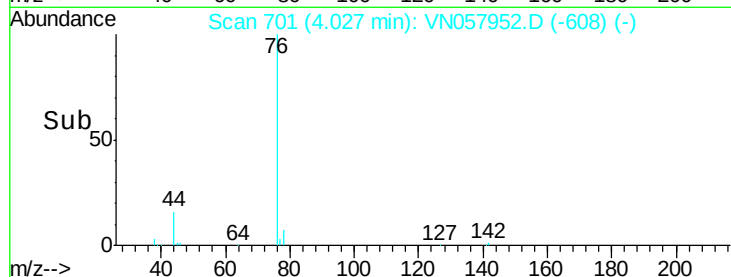
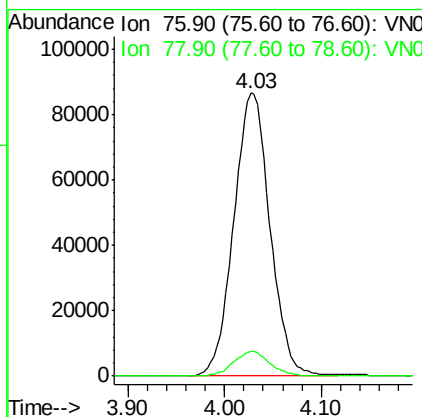
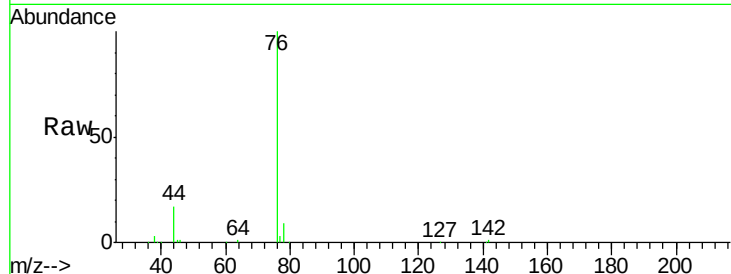
#17  
Carbon Disulfide  
Concen: 42.906 ug/l  
RT: 4.03 min Scan# 701  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.8   | 7.1   | 10.7  |

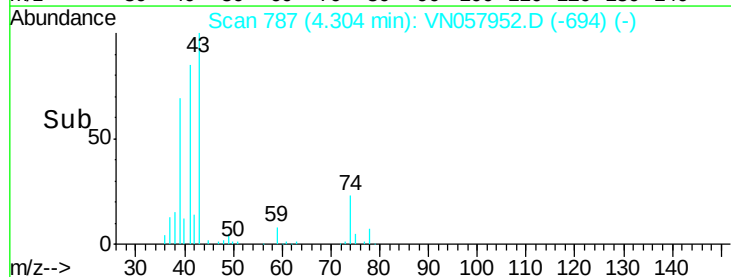
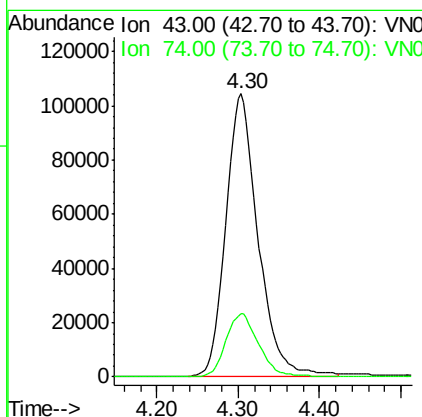
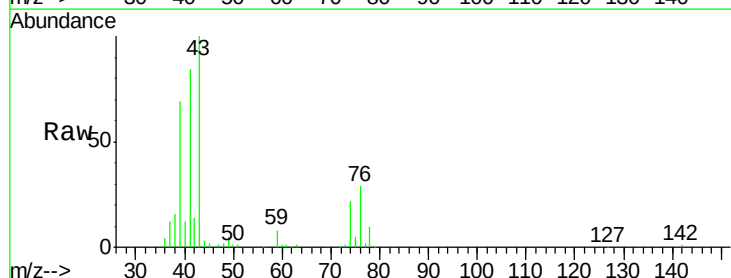
Manual Integrations  
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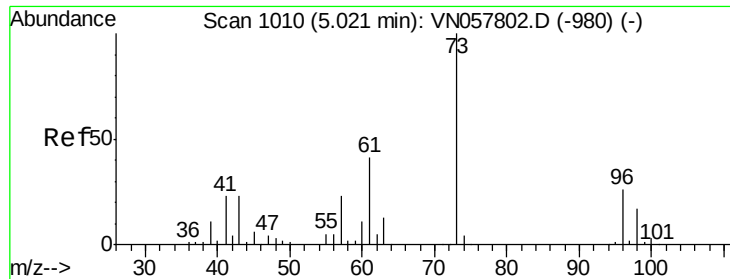
MMDadoda  
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#18  
Methyl Acetate  
Concen: 51.106 ug/l  
RT: 4.30 min Scan# 787  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.9  | 17.9  | 26.9  |





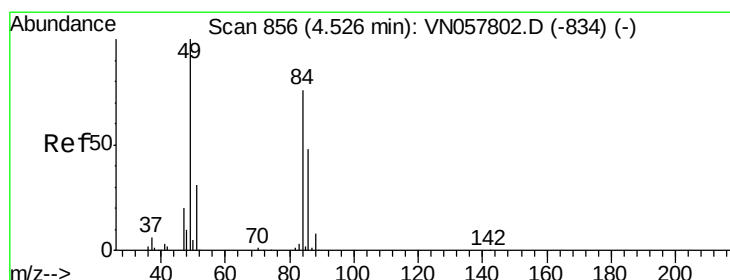
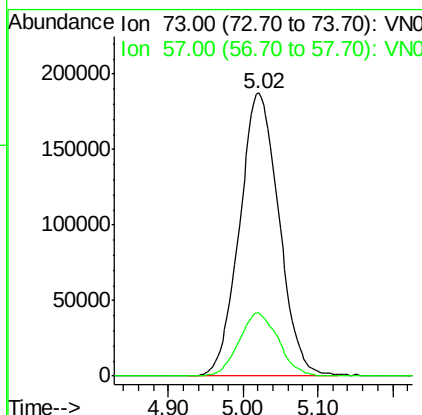
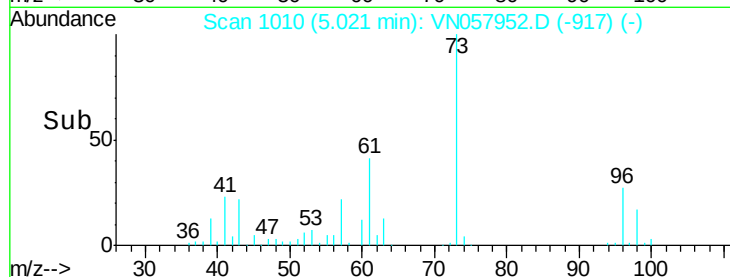
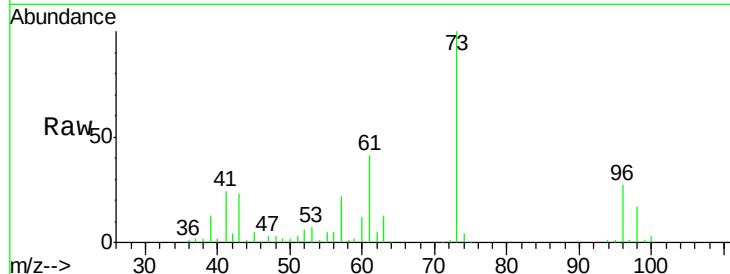
#19  
Methyl tert-butyl Ether  
Concen: 48.970 ug/l  
RT: 5.02 min Scan# 1010  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 687666  
Ion Ratio Lower Upper  
73 100  
57 22.4 18.2 27.2

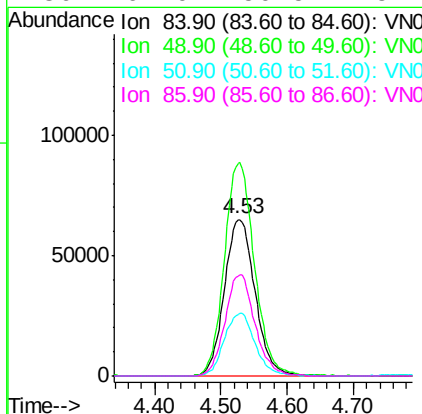
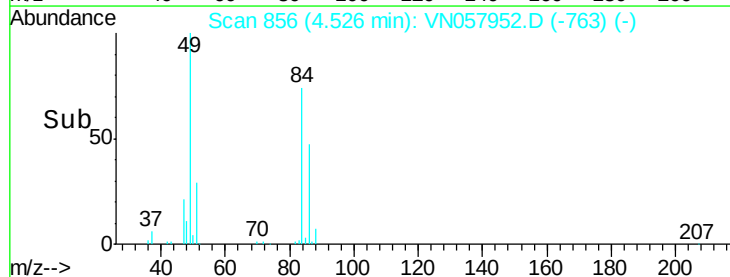
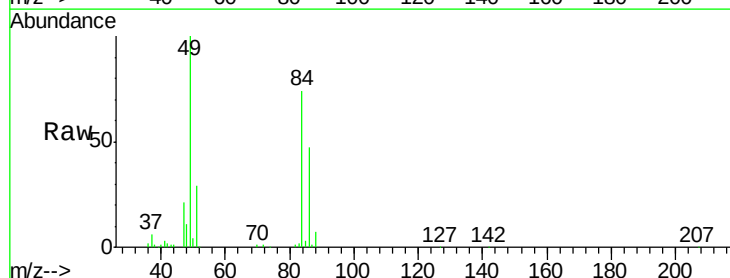
Manual Integrations  
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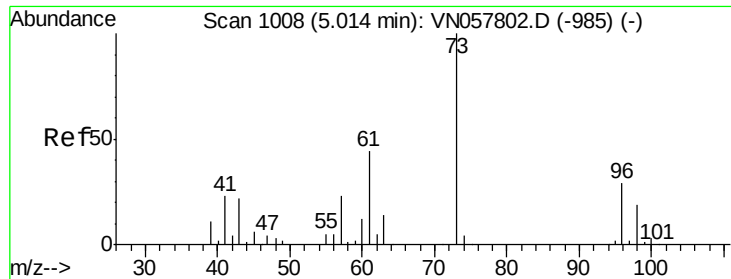
MMDadoda  
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#20  
Methylene Chloride  
Concen: 52.384 ug/l  
RT: 4.53 min Scan# 856  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Tgt Ion: 84 Resp: 209590  
Ion Ratio Lower Upper  
84 100  
49 135.8 104.8 157.2  
51 39.4 33.0 49.4  
86 64.0 50.5 75.7





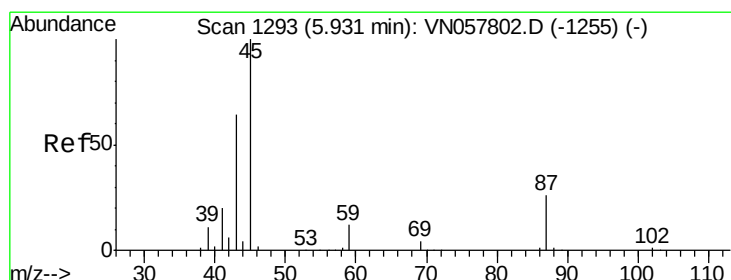
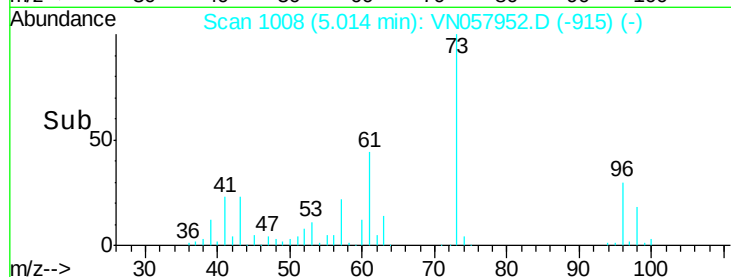
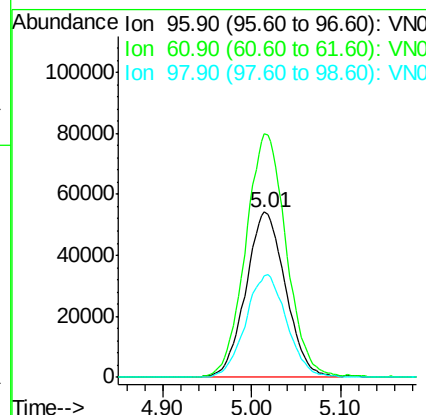
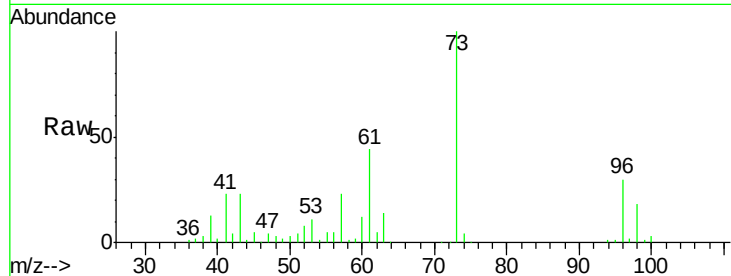
#21  
trans-1,2-Dichloroethene  
Concen: 46.146 ug/l  
RT: 5.01 min Scan# 1008  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 147.3 | 121.9 | 182.9 |
| 98      | 61.1  | 52.2  | 78.4  |

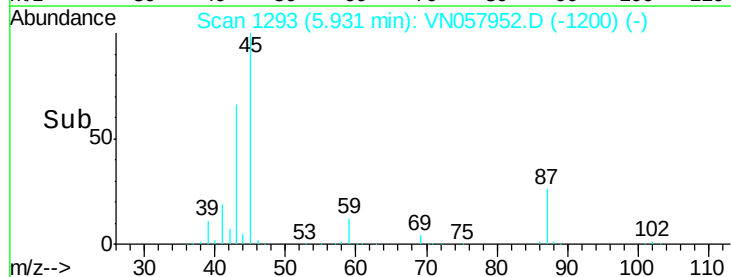
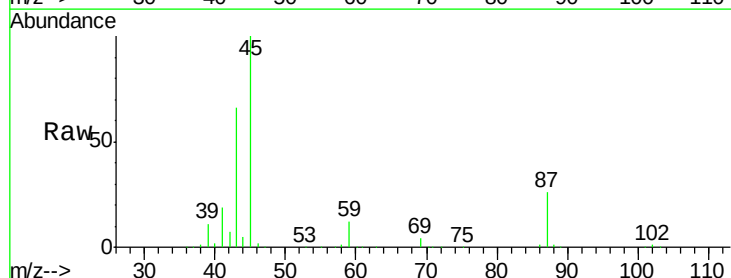
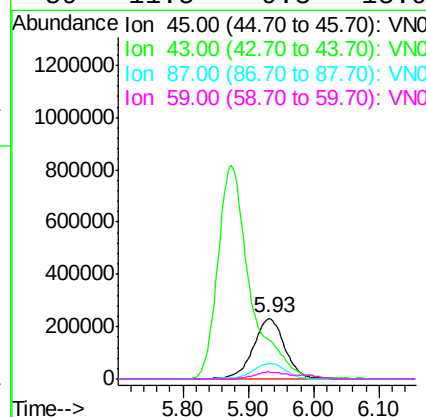
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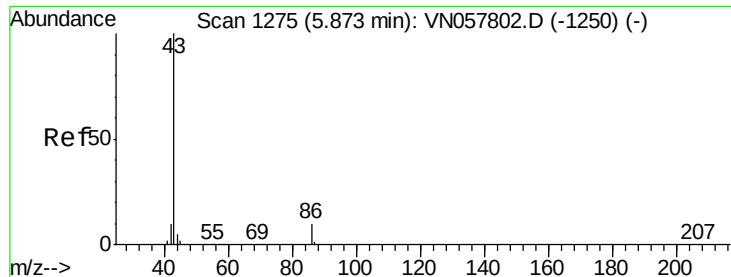


#22  
Diisopropyl ether  
Concen: 50.395 ug/l  
RT: 5.93 min Scan# 1293  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 64.3  | 51.4  | 77.2  |
| 87      | 25.8  | 21.3  | 31.9  |
| 59      | 11.5  | 9.3   | 13.9  |







#23

Vinyl Acetate

Concen: 256.639 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2816565

Ion Ratio Lower Upper

43 100

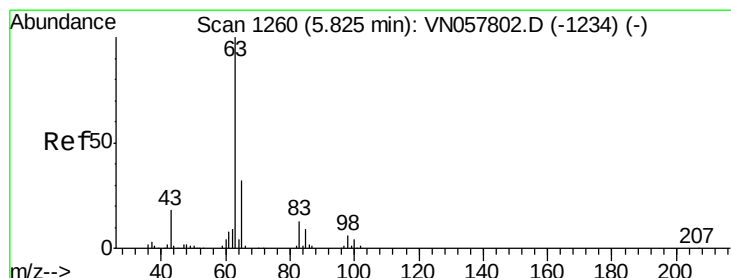
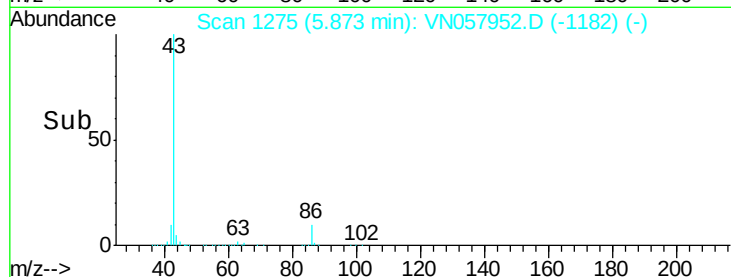
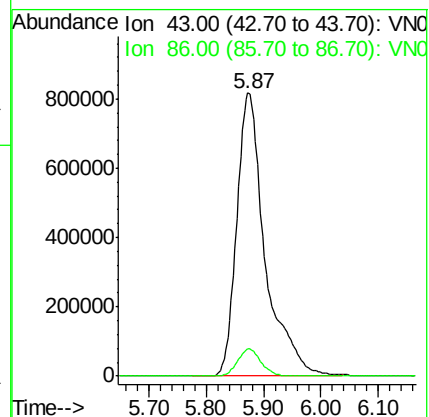
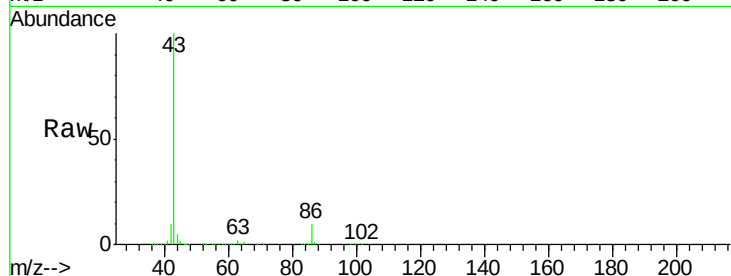
86 9.5 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 48.308 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

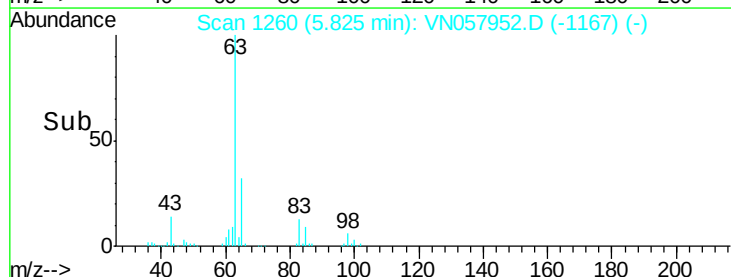
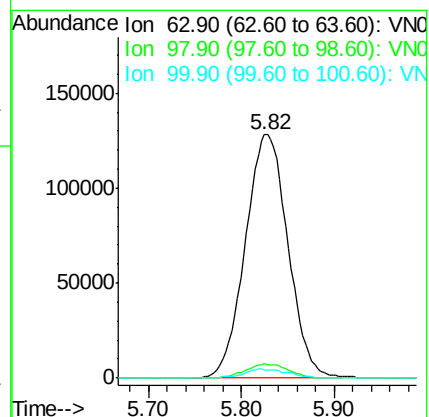
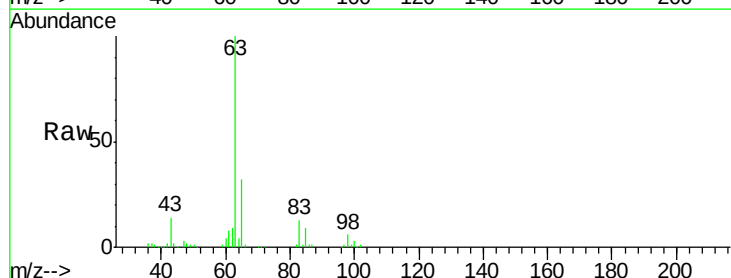
Tgt Ion: 63 Resp: 408853

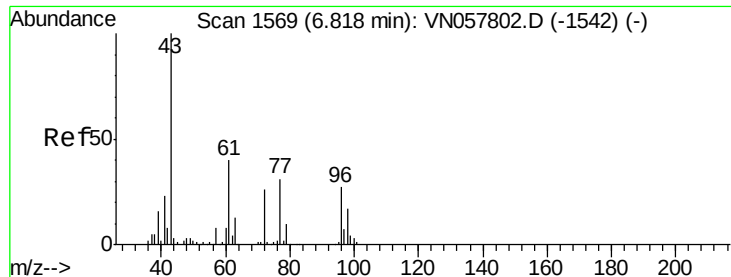
Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 3.5 2.0 5.8





#25

2-Butanone

Concen: 237.920 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 724532

Ion Ratio Lower Upper

43 100

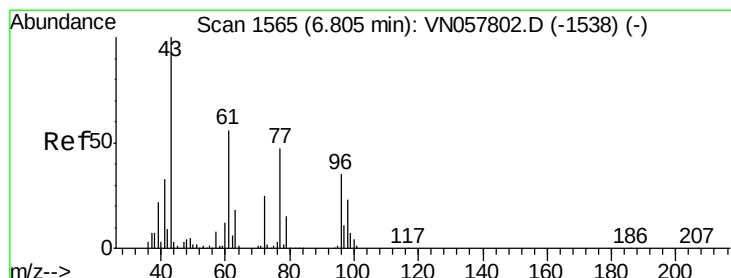
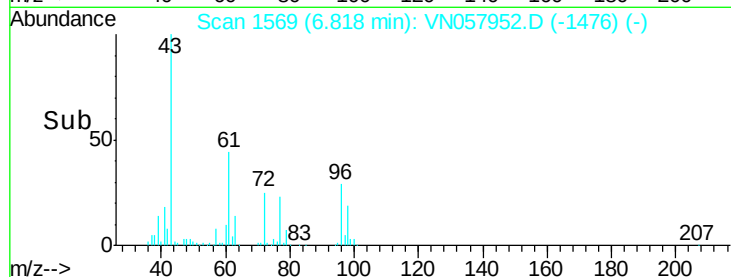
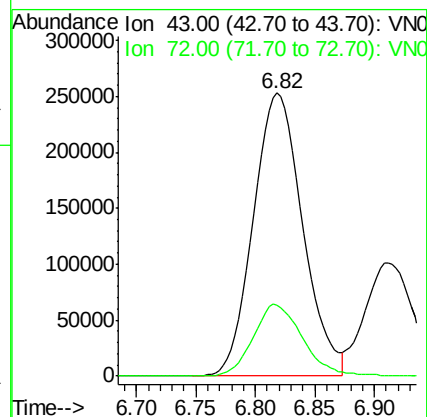
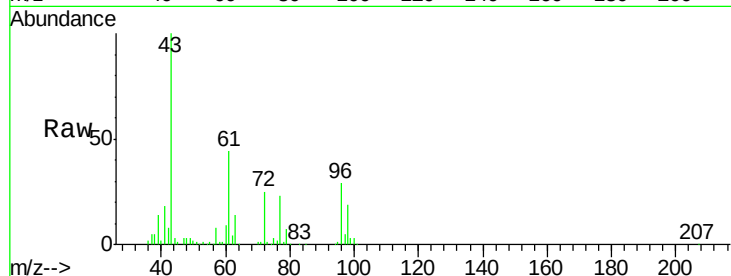
72 25.2 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 34.066 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057952.D

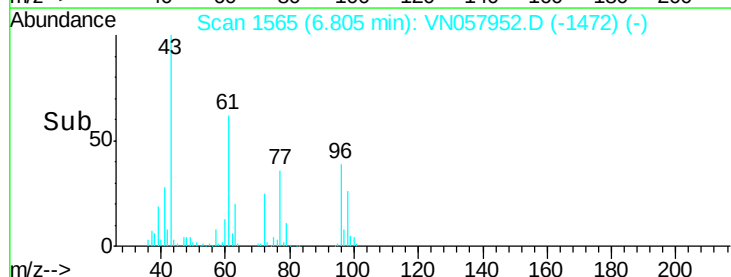
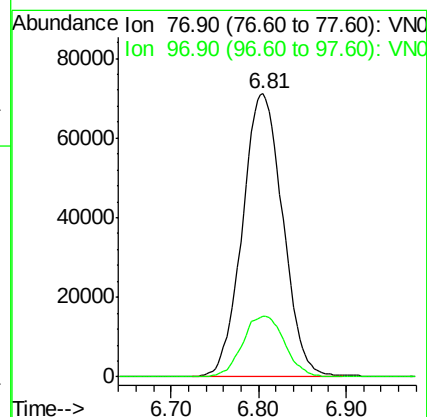
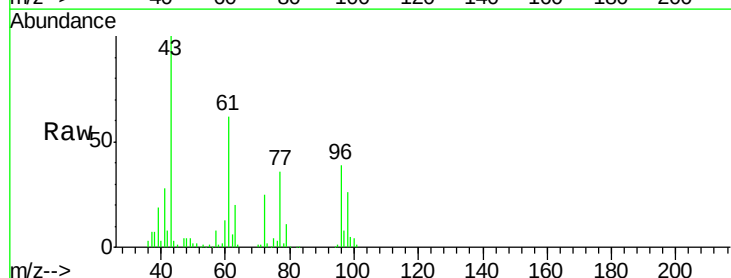
Acq: 12 Sep 2019 2:03

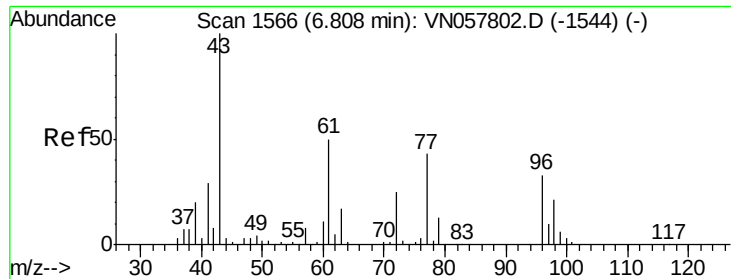
Tgt Ion: 77 Resp: 228168

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 47.709 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Instrument :

MSVOA\_N

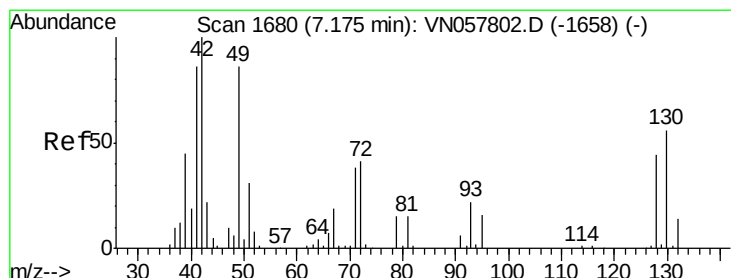
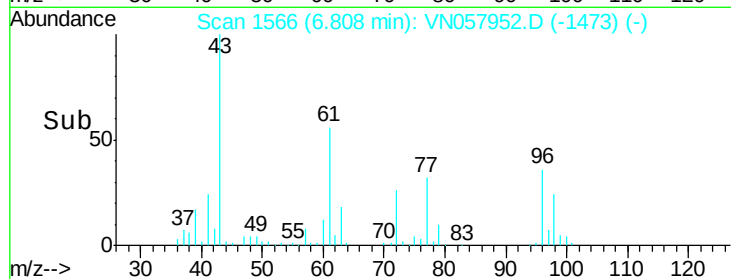
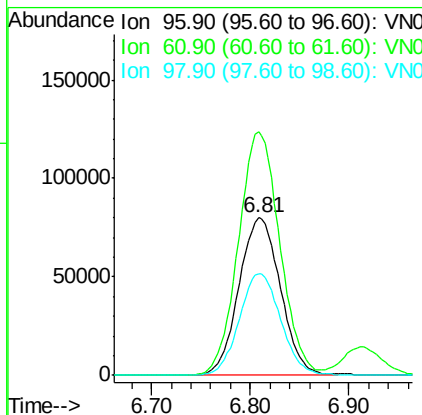
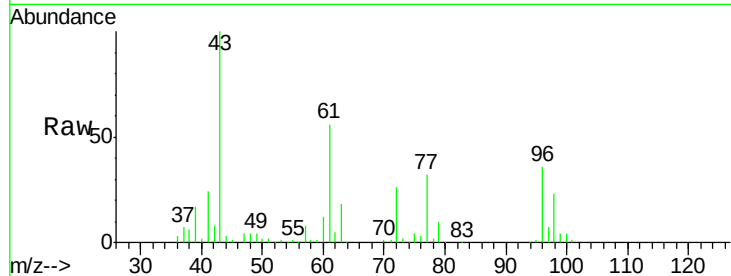
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 233216 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 153.8 | 0.0   | 314.0  |
| 98        | 64.5  | 0.0   | 128.6  |

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#28

Bromochloromethane

Concen: 50.950 ug/l

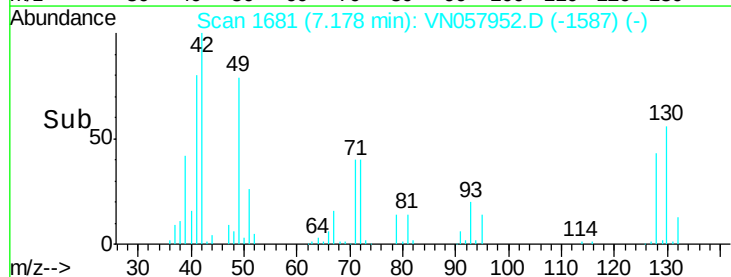
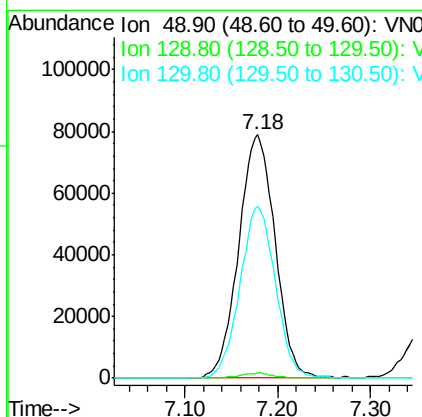
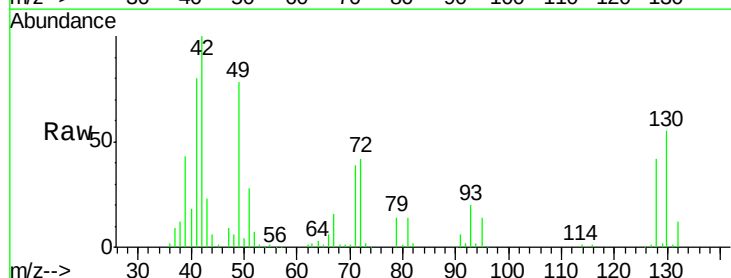
RT: 7.18 min Scan# 1681

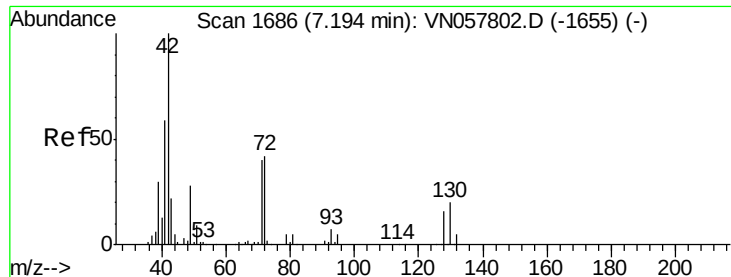
Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 49    | Resp: | 215426 |
| Ion Ratio | Lower | Upper |        |
| 49        | 100   |       |        |
| 129       | 1.9   | 0.0   | 3.8    |
| 130       | 68.7  | 53.0  | 79.6   |





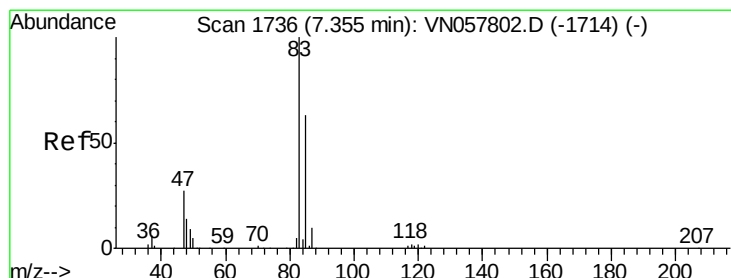
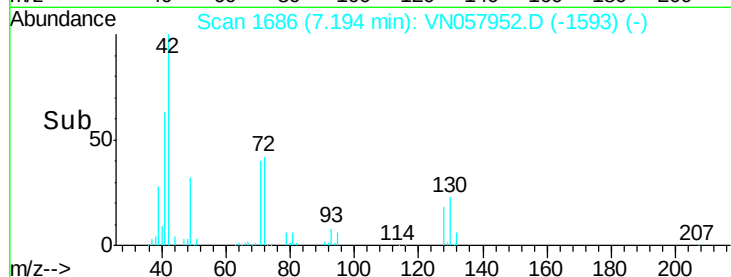
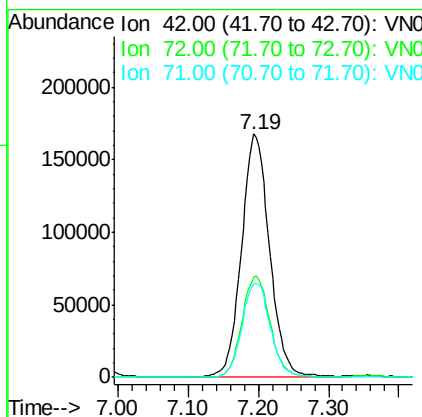
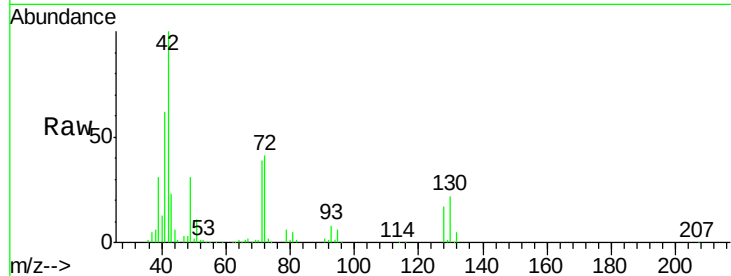
#29  
Tetrahydrofuran  
Concen: 246.759 ug/l  
RT: 7.19 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.9  | 33.7  | 50.5  |
| 71      | 39.4  | 31.9  | 47.9  |

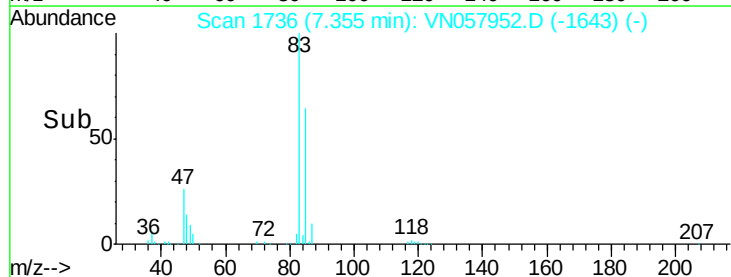
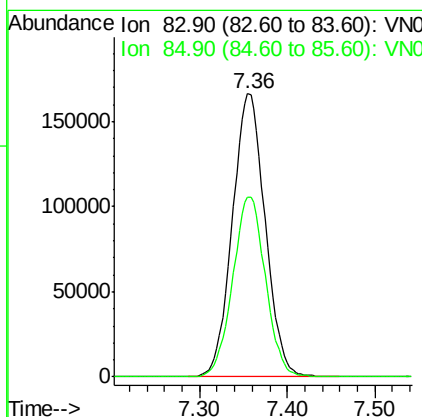
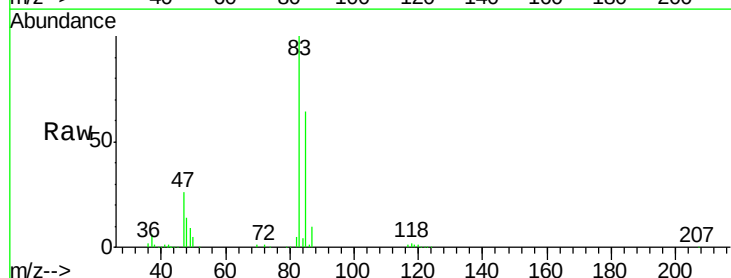
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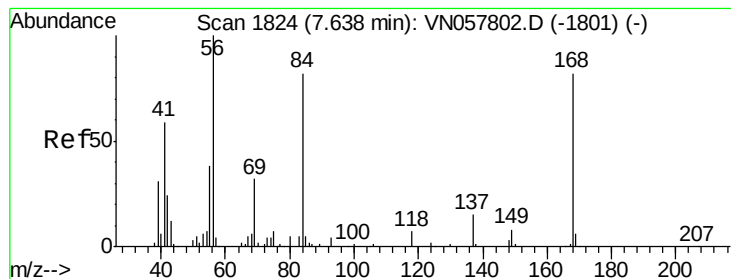
MMDadoda  
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#30  
Chloroform  
Concen: 49.009 ug/l  
RT: 7.36 min Scan# 1736  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.7  | 50.6  | 75.8  |





#31

Cyclohexane

Concen: 51.201 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Instrument :

MSVOA\_N

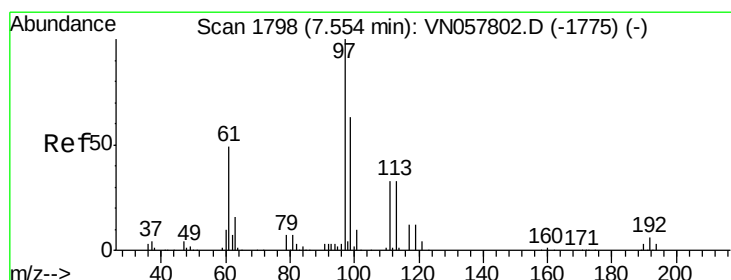
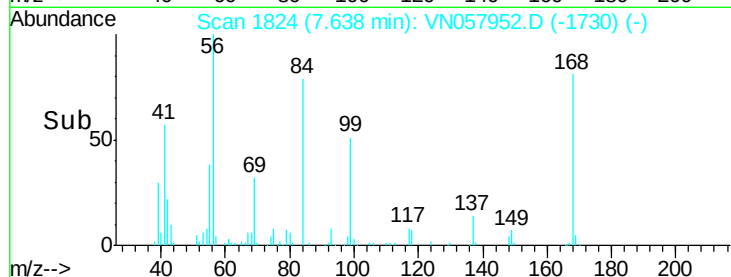
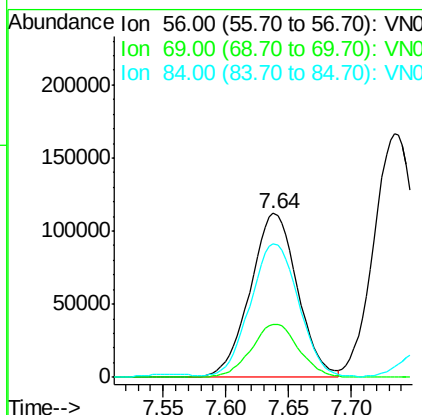
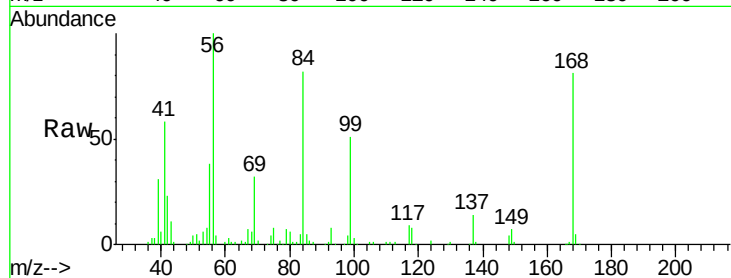
ClientSampleId :

VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 56      | 100  |       | 294991 |       |       |
| 69      | 32.1 | 25.9  | 38.9   |       |       |
| 84      | 79.9 | 65.6  | 98.4   |       |       |

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#32

1,1,1-Trichloroethane

Concen: 48.724 ug/l

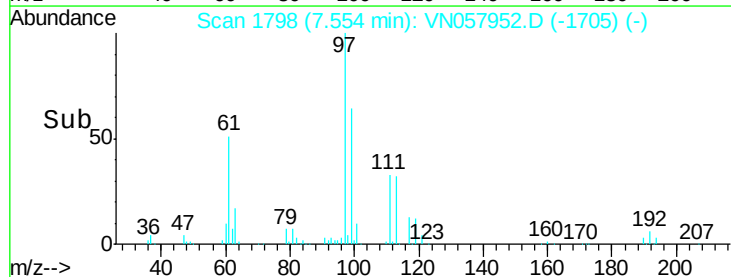
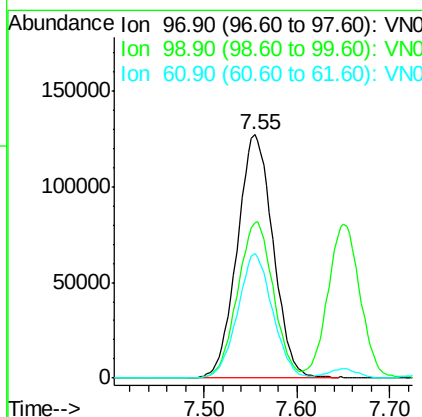
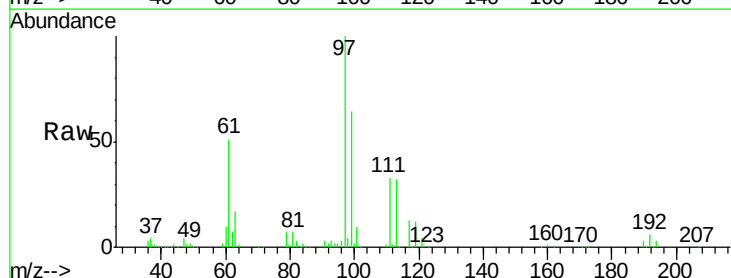
RT: 7.55 min Scan# 1798

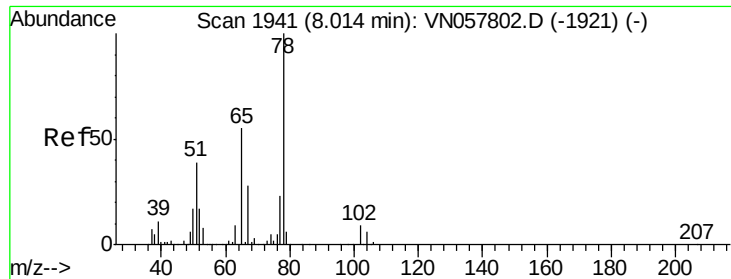
Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 341959 |       |       |
| 99      | 63.9 | 51.0  | 76.4   |       |       |
| 61      | 49.7 | 39.0  | 58.6   |       |       |





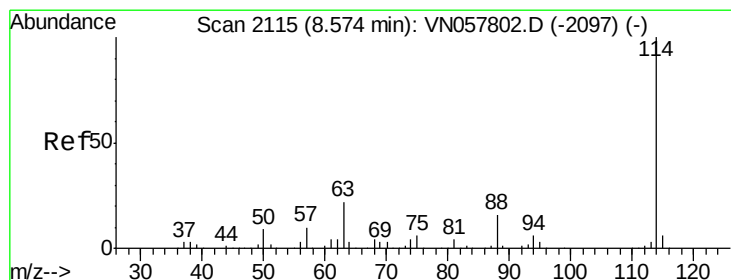
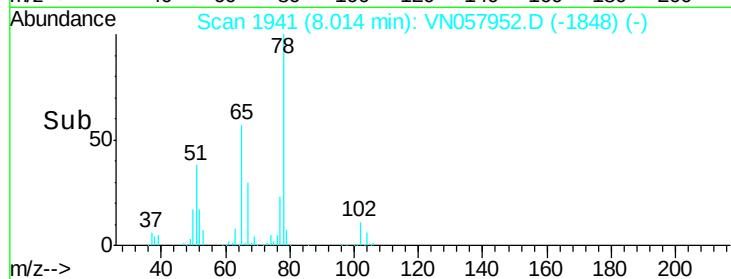
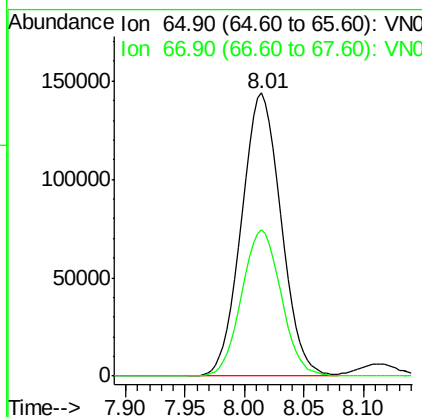
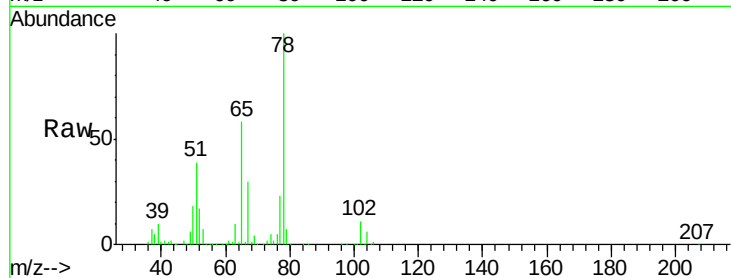
#33  
 1,2-Dichloroethane-d4  
 Concen: 51.899 ug/l  
 RT: 8.01 min Scan# 1941  
 Delta R.T. 0.00 min  
 Lab File: VN057952.D  
 Acq: 12 Sep 2019 2:03

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 333103 |       |       |
| 67      | 51.5  | 0.0    | 104.0 |       |

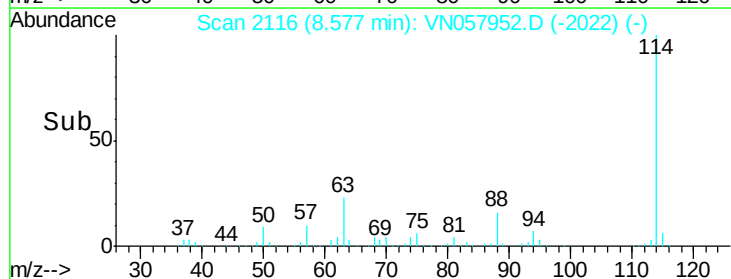
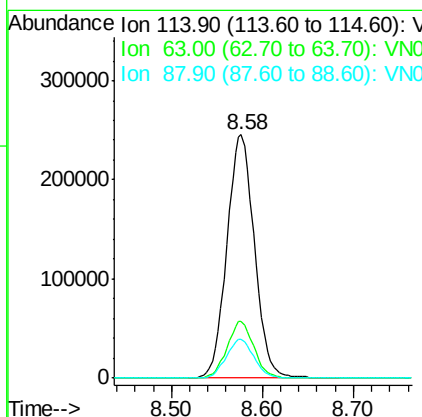
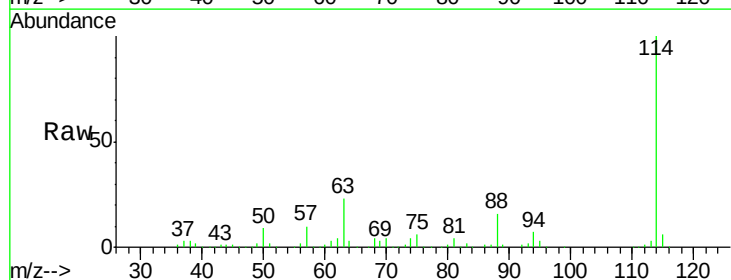
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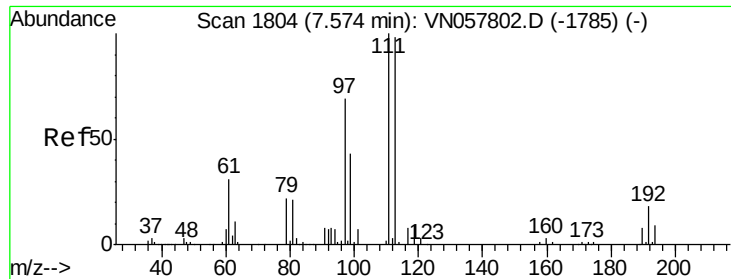
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2116  
 Delta R.T. 0.00 min  
 Lab File: VN057952.D  
 Acq: 12 Sep 2019 2:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 516703 |       |       |
| 63      | 23.1  | 0.0    | 44.0  |       |
| 88      | 15.9  | 0.0    | 31.4  |       |





#35

Dibromofluoromethane

Concen: 49.768 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Instrument :

MSVOA\_N

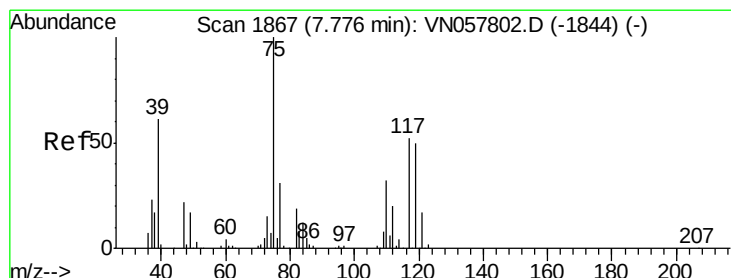
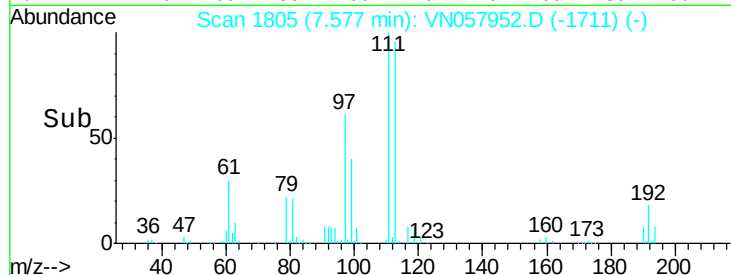
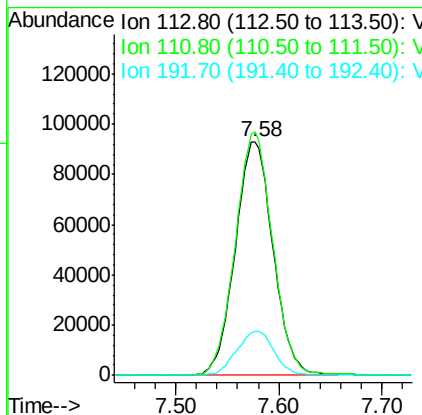
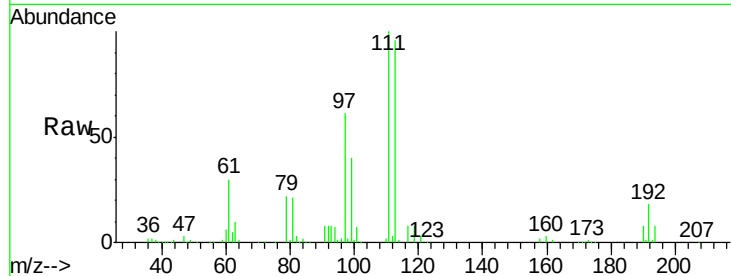
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 237344 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.6 | 81.3  | 121.9  |
| 192       | 18.7  | 14.6  | 22.0   |

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#36

1,1-Dichloropropene

Concen: 46.579 ug/l

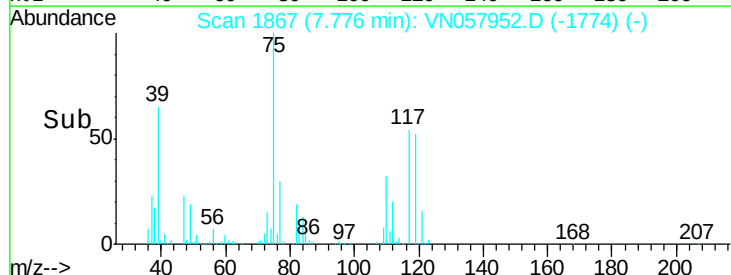
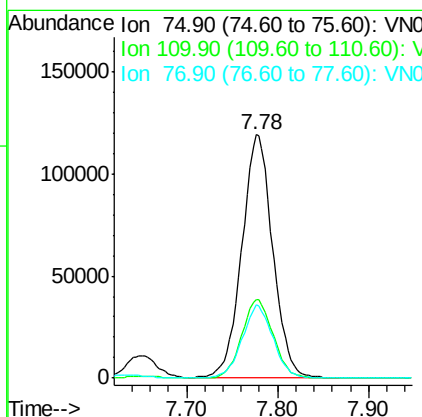
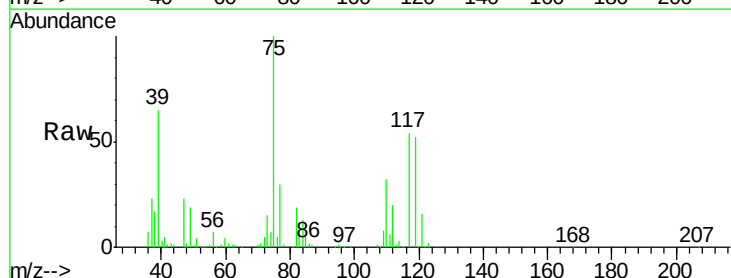
RT: 7.78 min Scan# 1867

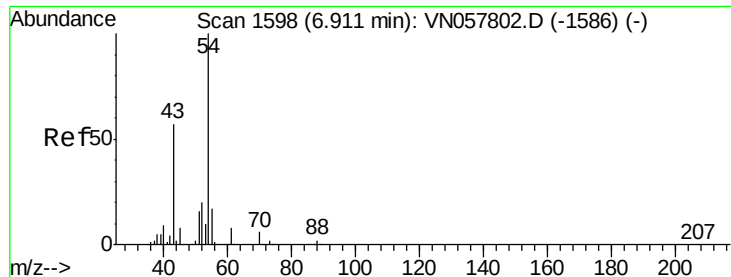
Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 279121 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 33.0  | 16.3  | 48.9   |
| 77        | 30.3  | 25.0  | 37.4   |





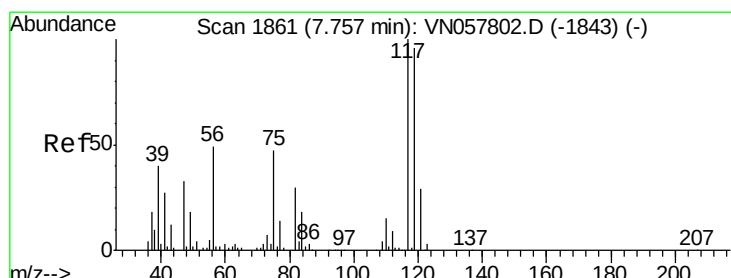
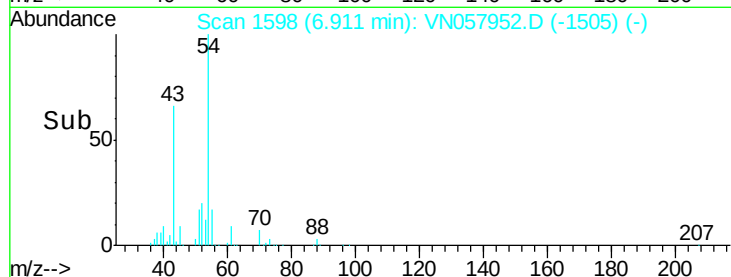
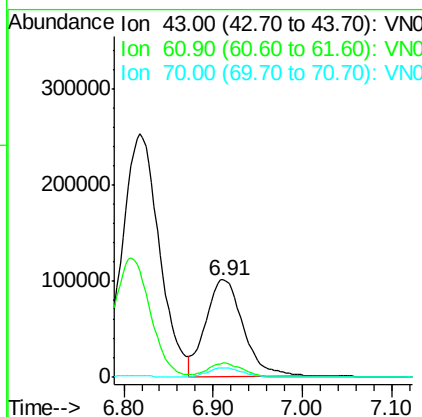
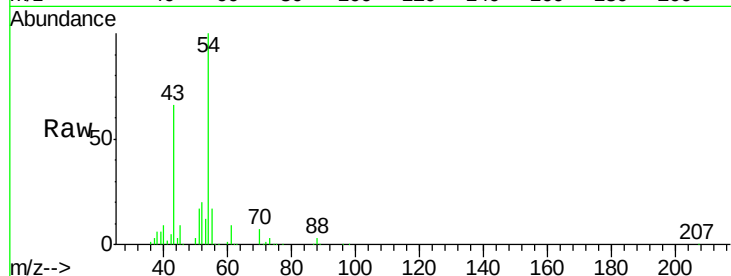
#37  
Ethyl Acetate  
Concen: 47.796 ug/l  
RT: 6.91 min Scan# 1598  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 295919 |       |       |
| 61      | 13.6  | 10.5   | 15.7  |       |
| 70      | 9.3   | 7.4    | 11.0  |       |

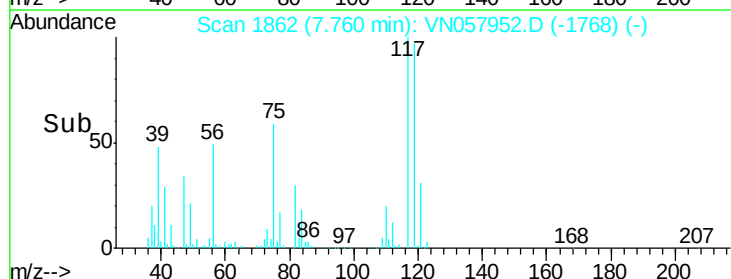
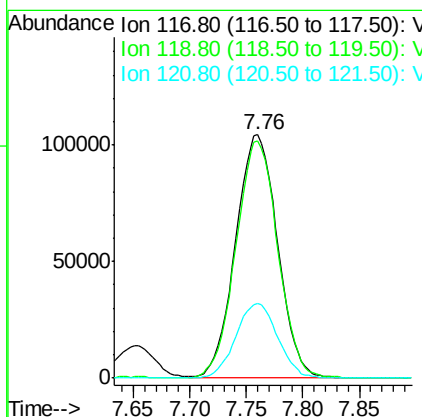
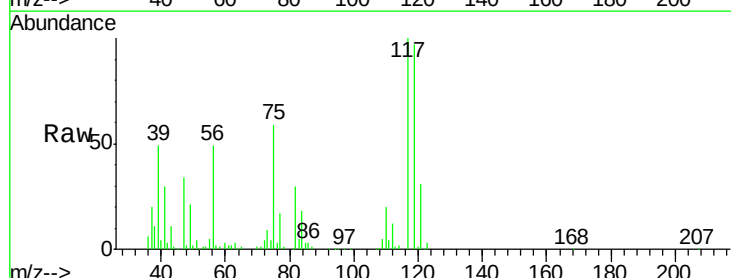
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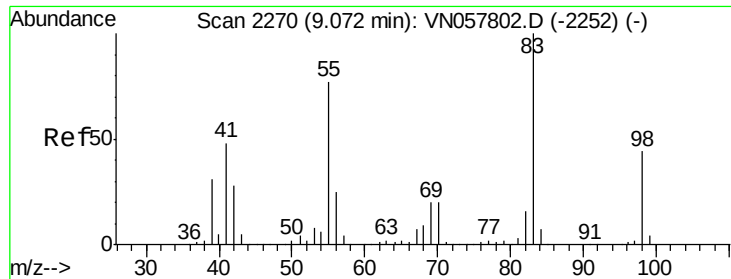


#38  
Carbon Tetrachloride  
Concen: 48.910 ug/l  
RT: 7.76 min Scan# 1862  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 267590 |       |       |
| 119     | 97.4  | 76.9   | 115.3 |       |
| 121     | 30.9  | 23.4   | 35.2  |       |







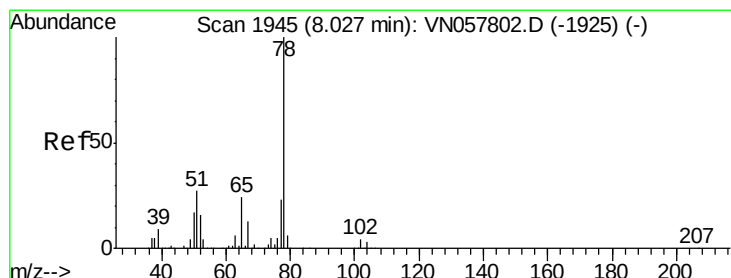
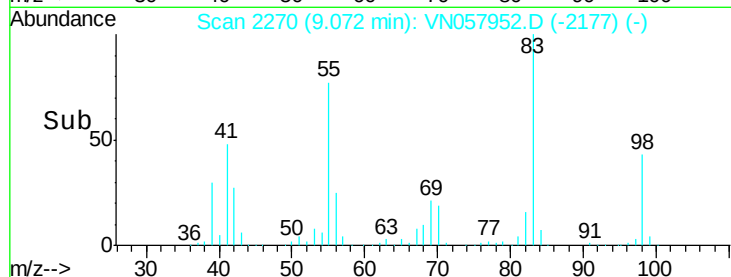
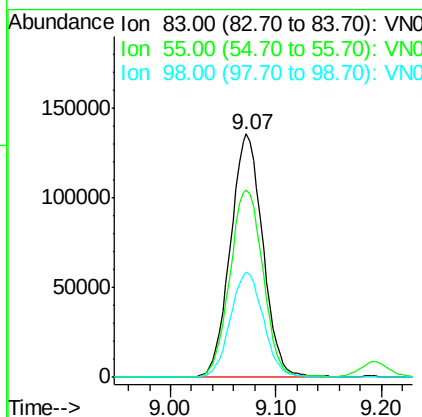
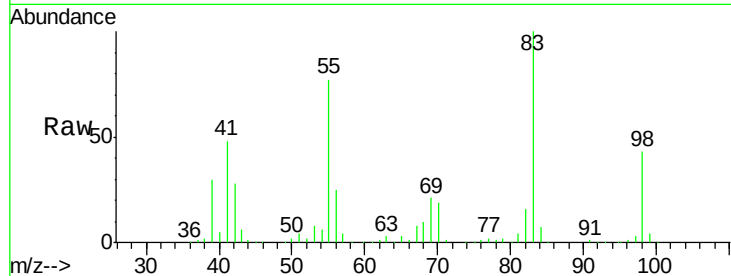
#39  
Methylvlcyclohexane  
Concen: 45.816 ug/l  
RT: 9.07 min Scan# 2270  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 288613 |       |       |
| 55      | 77.2  | 61.6   | 92.4  |       |
| 98      | 43.3  | 34.9   | 52.3  |       |

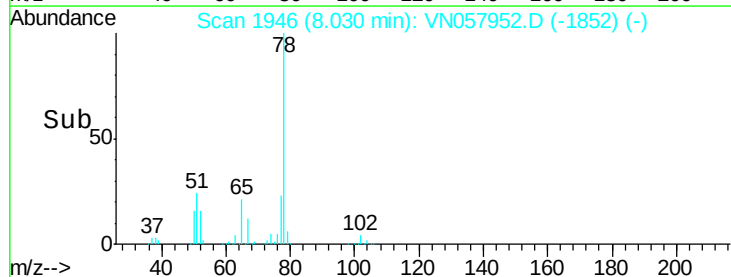
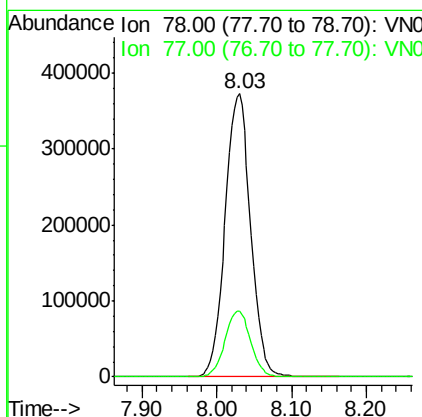
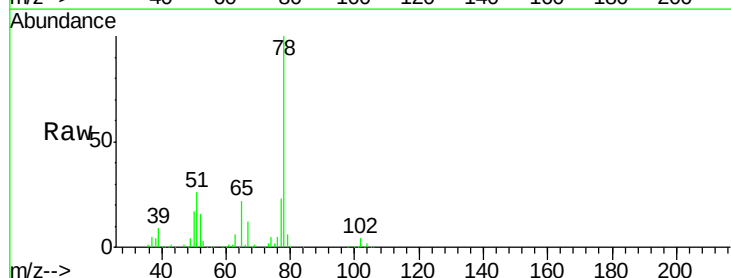
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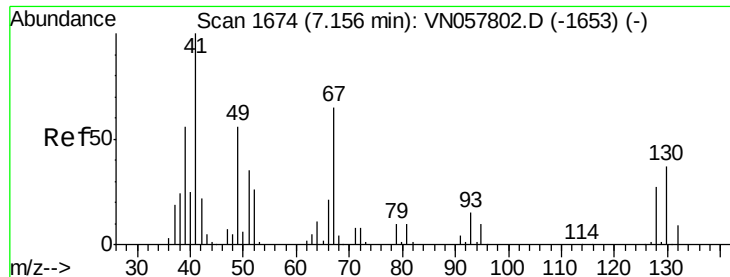
MMDadoda  
9/13/2019 11:07:11 AM



#40  
Benzene  
Concen: 48.717 ug/l  
RT: 8.03 min Scan# 1946  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 878898 |       |       |
| 77      | 23.0  | 18.3   | 27.5  |       |





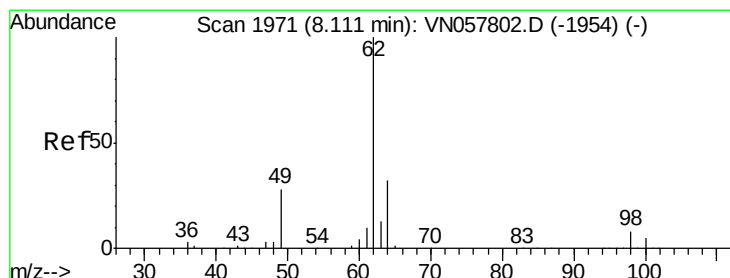
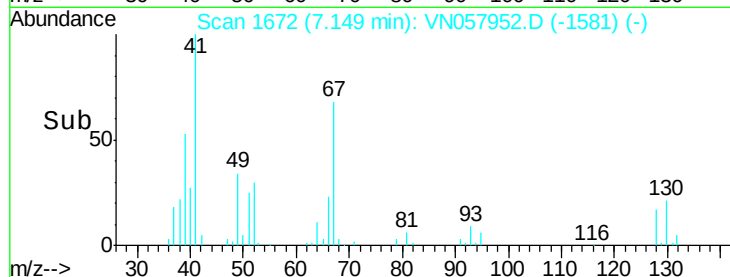
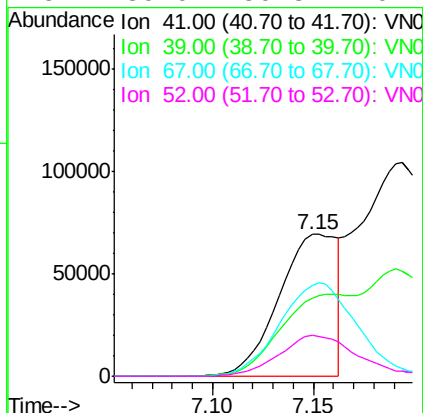
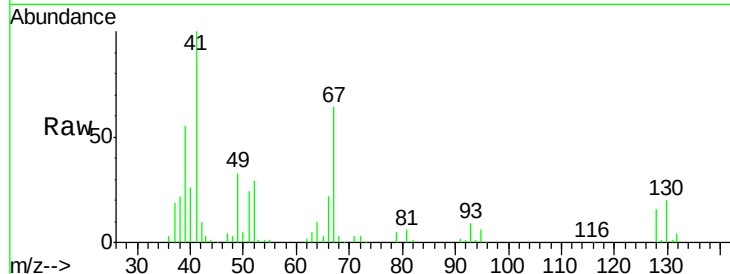
#41  
Methacrylonitrile  
Concen: 49.418 ug/l  
RT: 7.15 min Scan# 1672  
Delta R.T. -0.01 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 41    | Resp  | 138884 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 39        | 68.3  | 51.0  | 76.6   |
| 67        | 87.7  | 70.7  | 106.1  |
| 52        | 39.0  | 30.8  | 46.2   |

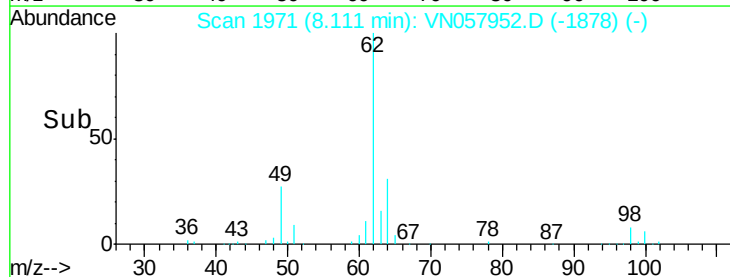
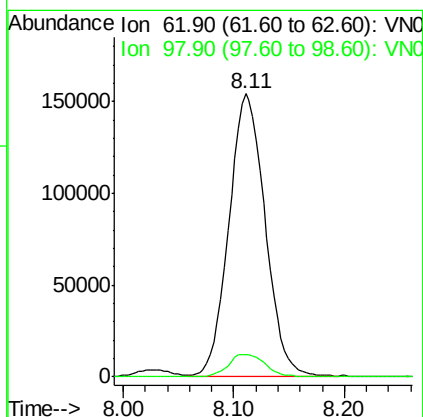
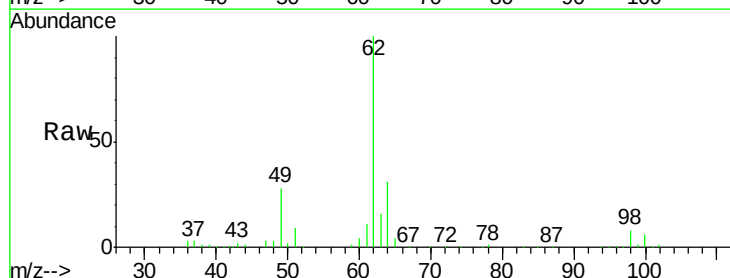
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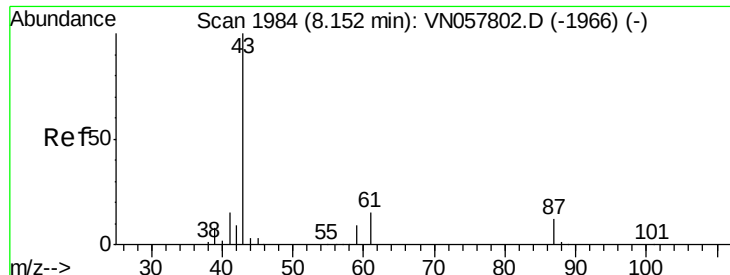
MMDadoda  
9/13/2019 11:07:11 AM



#42  
1,2-Dichloroethane  
Concen: 48.392 ug/l  
RT: 8.11 min Scan# 1971  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

| Tgt Ion   | 62    | Resp  | 349161 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 62        | 100   |       |        |
| 98        | 8.2   | 0.0   | 15.8   |





#43

Isopropyl Acetate

Concen: 49.750 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Instrument :

MSVOA\_N

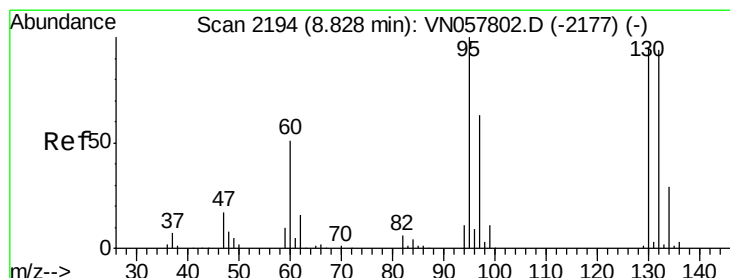
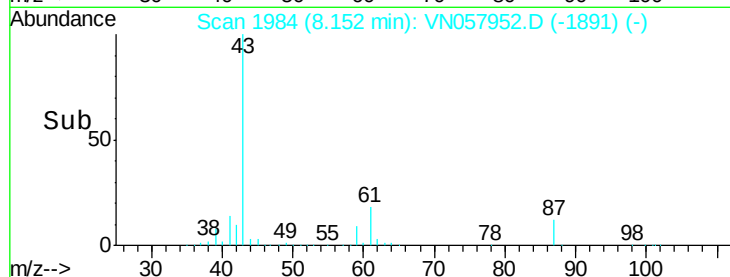
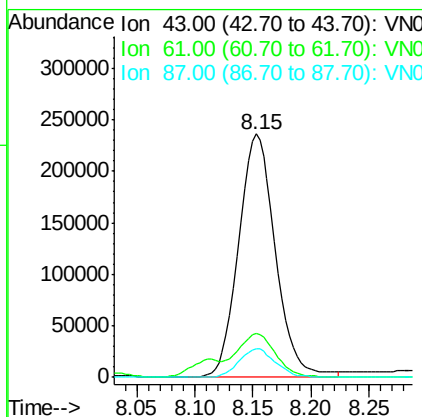
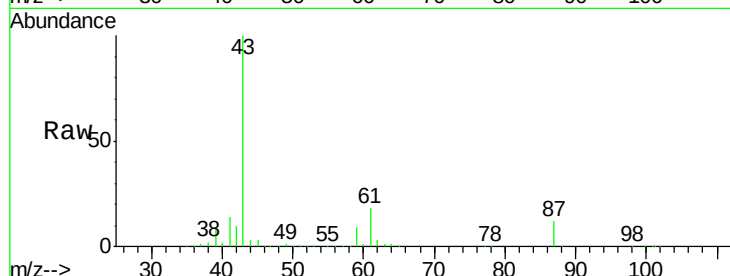
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 517984 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 17.7  | 20.1  | 30.1#  |
| 87       | 11.7  | 9.5   | 14.3   |

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#44

Trichloroethene

Concen: 47.046 ug/l

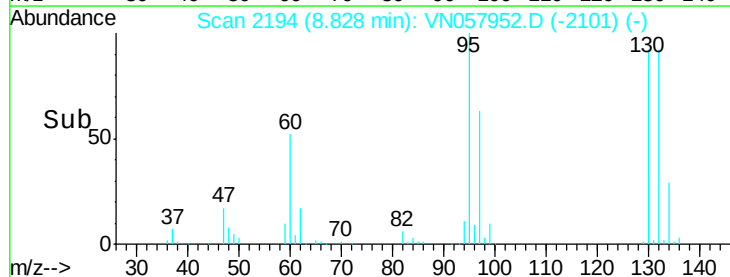
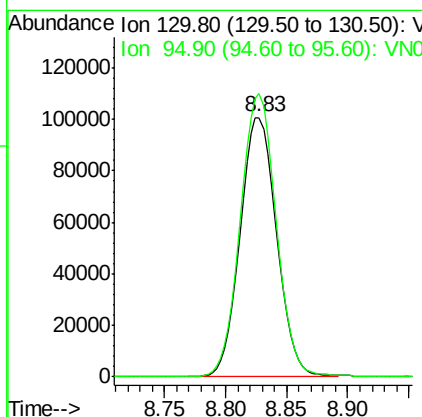
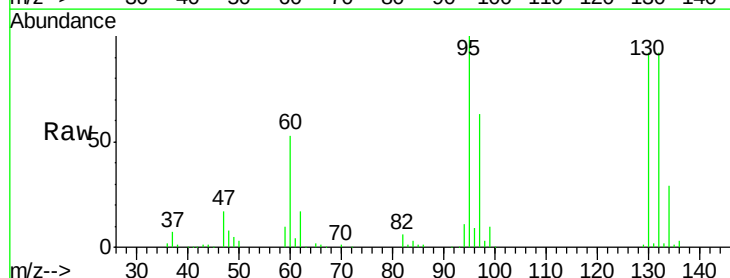
RT: 8.83 min Scan# 2194

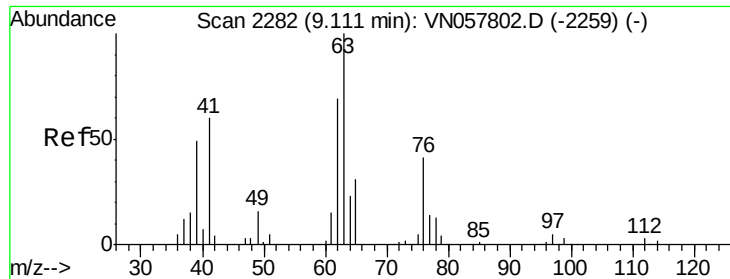
Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 208175 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 109.0 | 0.0   | 211.4  |





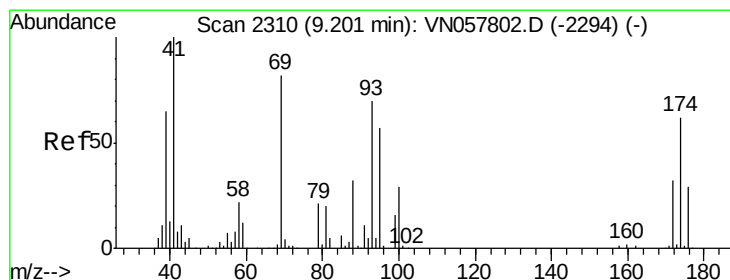
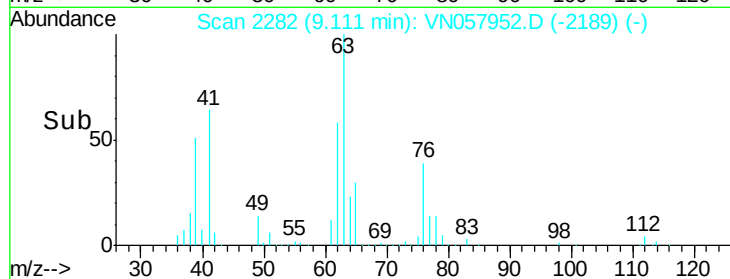
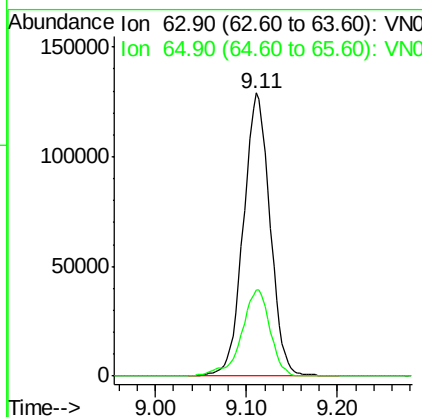
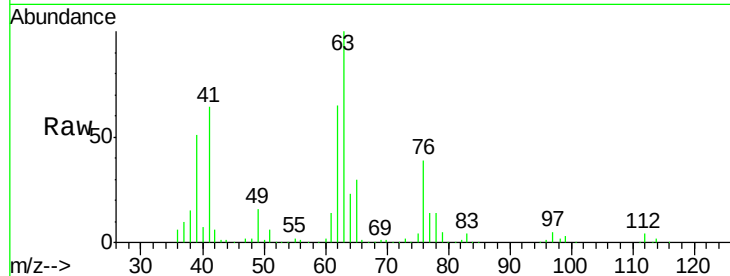
#45  
 1,2-Dichloropropane  
 Concen: 50.064 ug/l  
 RT: 9.11 min Scan# 2282  
 Delta R.T. 0.00 min  
 Lab File: VN057952.D  
 Acq: 12 Sep 2019 2:03

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.3  | 24.8  | 37.2  |

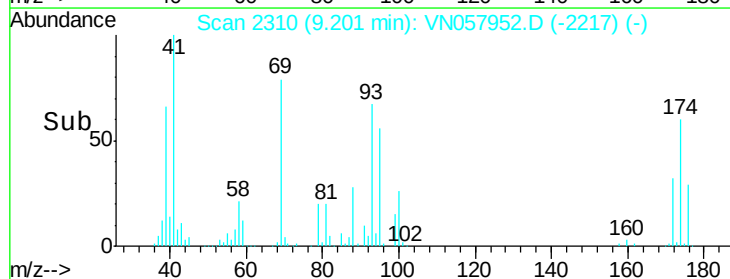
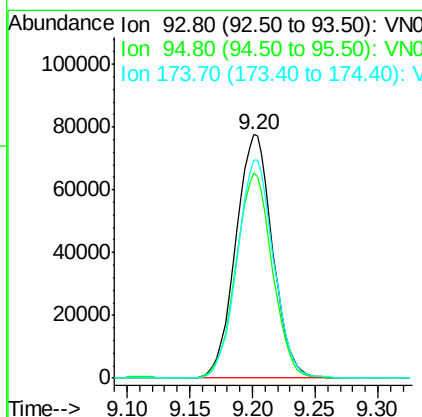
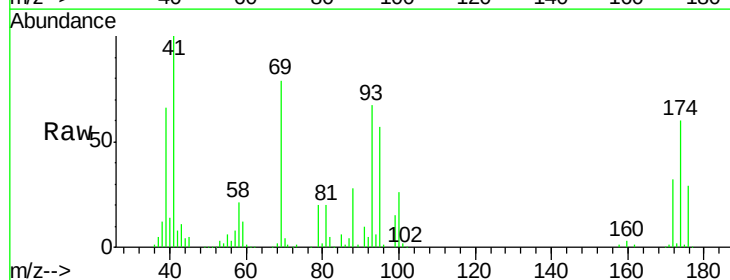
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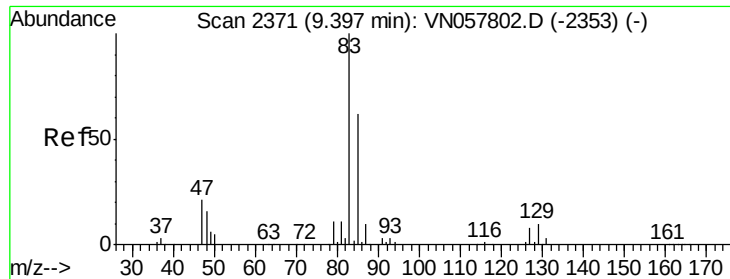
MMDadoda  
 9/13/2019 11:07:11 AM



#46  
 Dibromomethane  
 Concen: 49.881 ug/l  
 RT: 9.20 min Scan# 2310  
 Delta R.T. 0.00 min  
 Lab File: VN057952.D  
 Acq: 12 Sep 2019 2:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 83.2  | 65.9  | 98.9  |
| 174     | 88.8  | 71.8  | 107.6 |





#47

Bromodichloromethane

Concen: 50.632 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Instrument :

MSVOA\_N

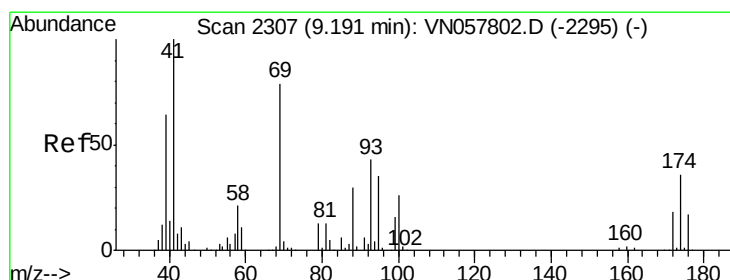
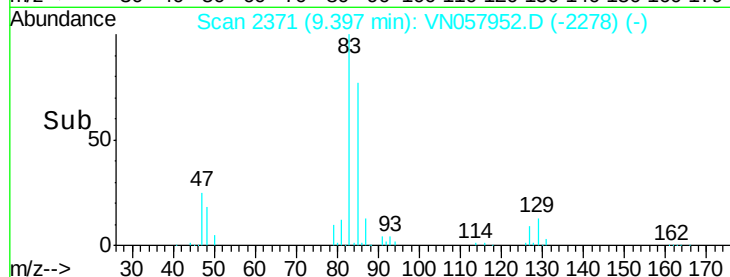
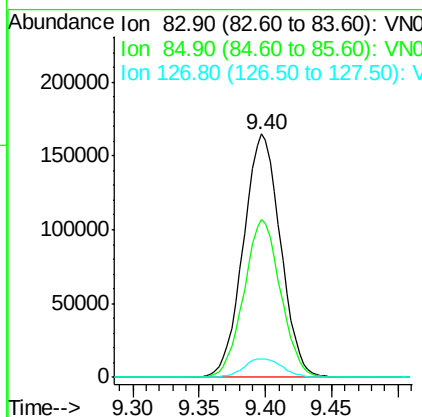
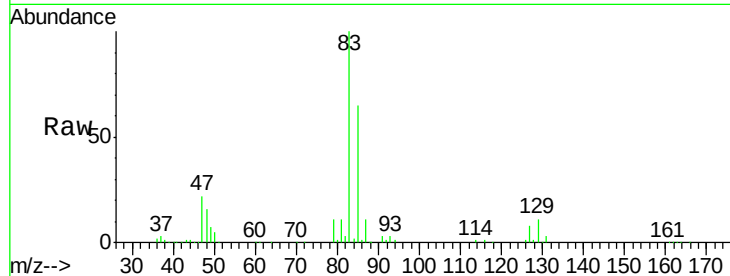
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 320741 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.7  | 49.9  | 74.9   |
| 127       | 7.7   | 6.5   | 9.7    |

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#48

Methyl methacrylate

Concen: 48.966 ug/l

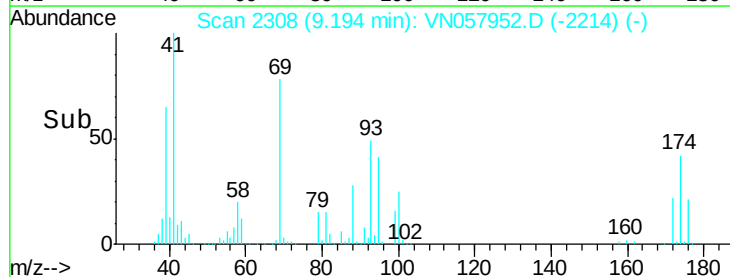
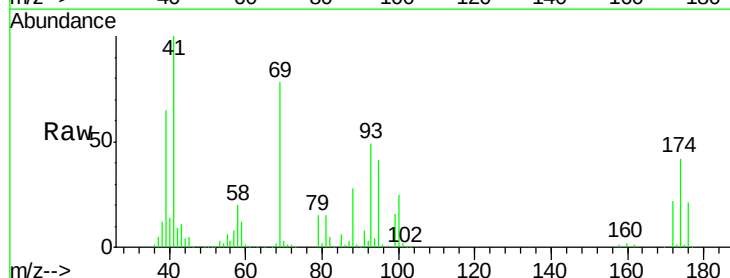
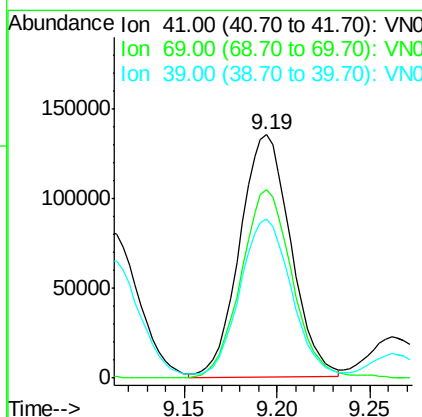
RT: 9.19 min Scan# 2308

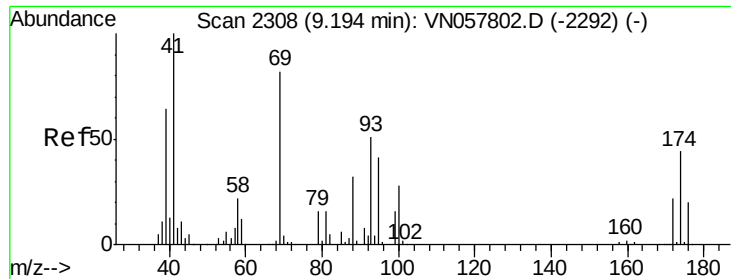
Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 258611 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 77.5  | 62.7  | 94.1   |
| 39        | 66.2  | 52.7  | 79.1   |





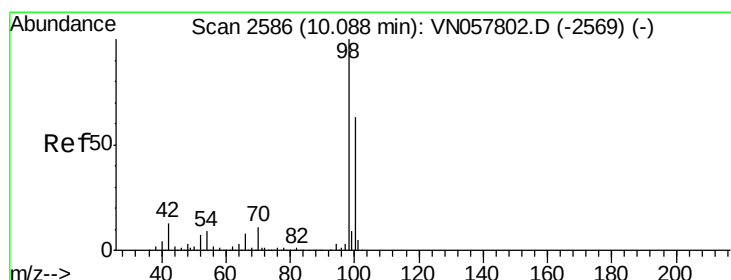
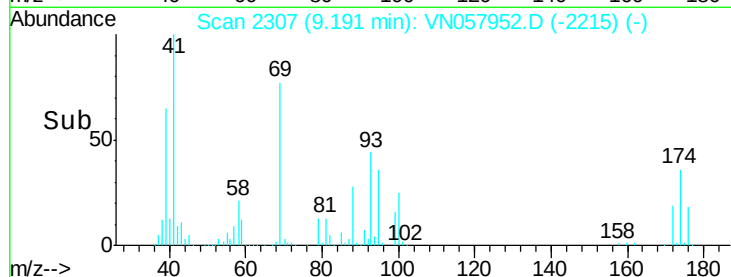
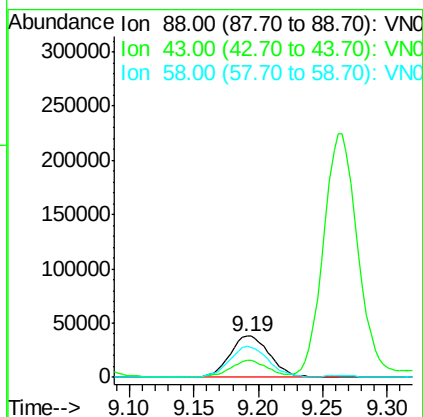
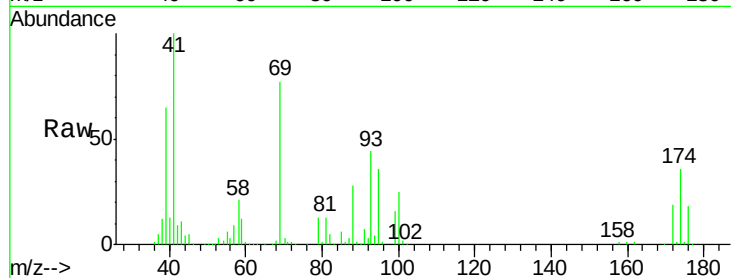
#49  
1,4-Dioxane  
Concen: 914.924 ug/l  
RT: 9.19 min Scan# 2307  
Delta R.T. -0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 88    | Resp  | 81716 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 36.2  | 28.5  | 42.7  |
| 58      | 73.4  | 55.8  | 83.6  |

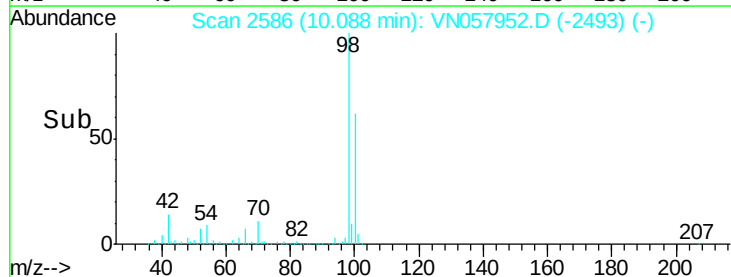
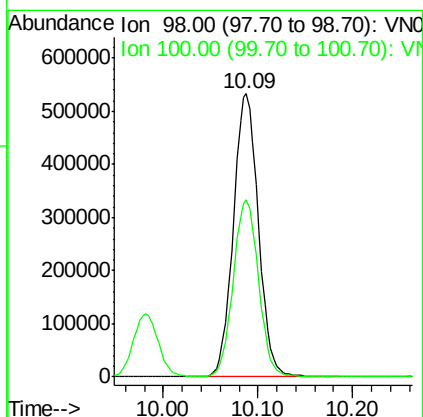
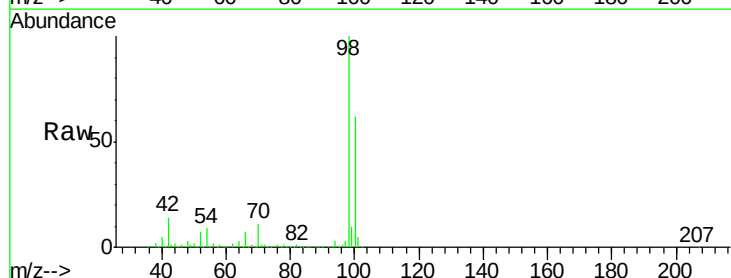
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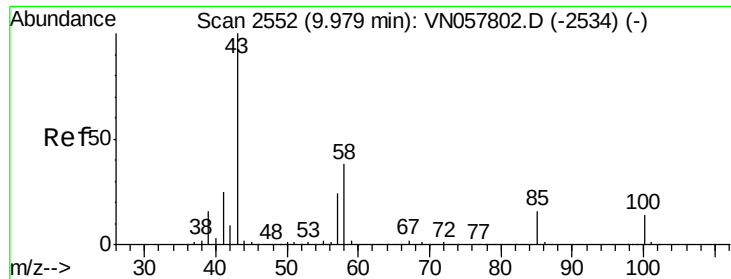
MMDadoda  
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#50  
Toluene-d8  
Concen: 52.795 ug/l  
RT: 10.09 min Scan# 2586  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

| Tgt Ion | 98    | Resp  | 977531 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 63.1  | 50.3  | 75.5   |





#51

4-Methyl-2-Pentanone

Concen: 265.032 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1632944

Ion Ratio Lower Upper

43 100

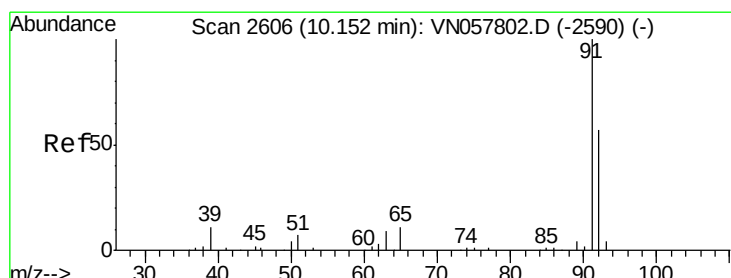
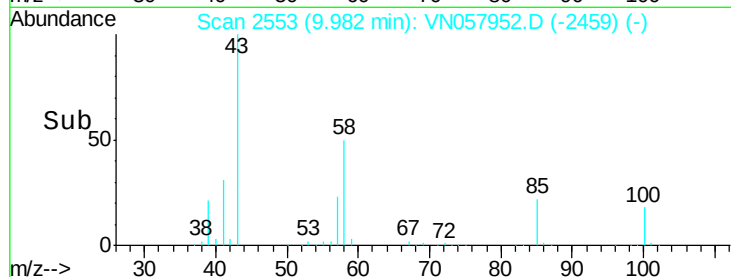
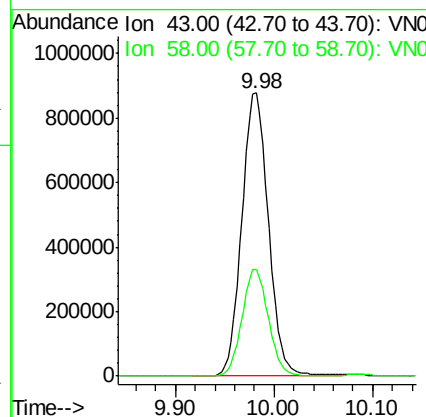
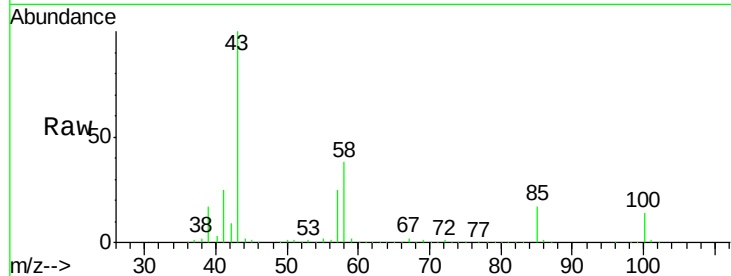
58 37.3 29.8 44.6

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#52

Toluene

Concen: 49.318 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057952.D

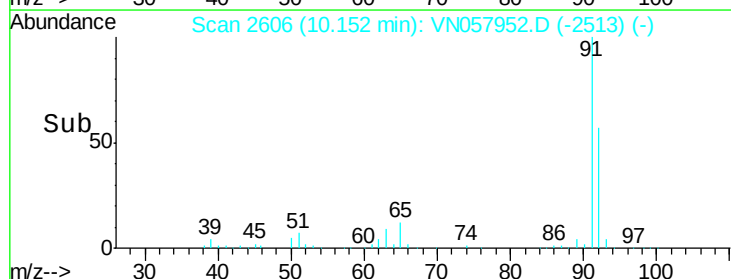
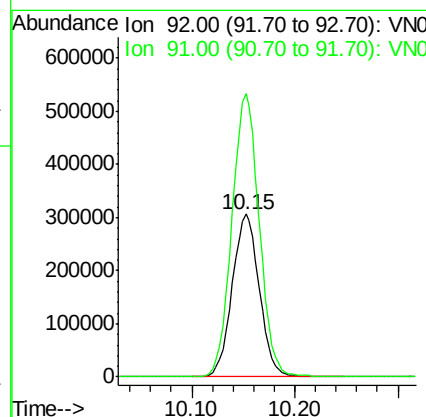
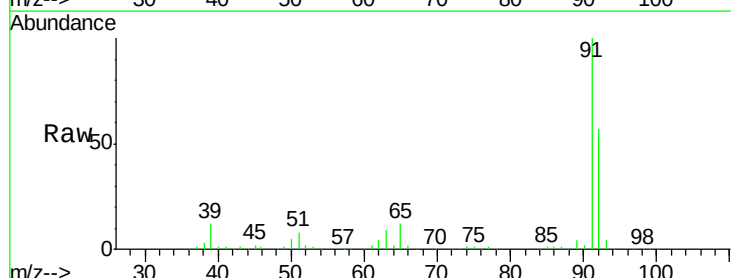
Acq: 12 Sep 2019 2:03

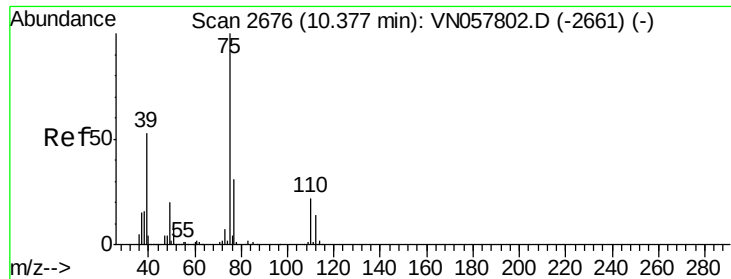
Tgt Ion: 92 Resp: 560400

Ion Ratio Lower Upper

92 100

91 175.3 141.0 211.6





#53

t-1,3-Dichloropropene

Concen: 48.375 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 322700

Ion Ratio Lower Upper

75 100

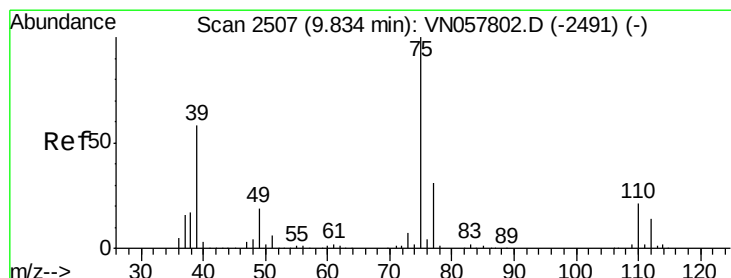
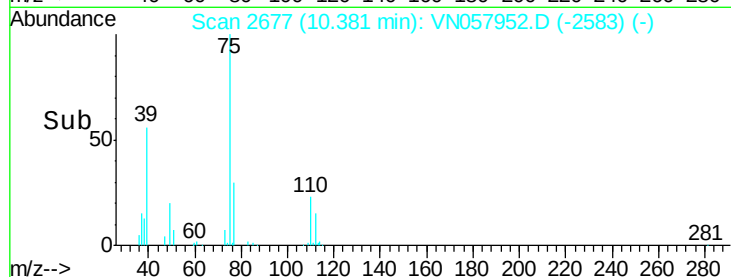
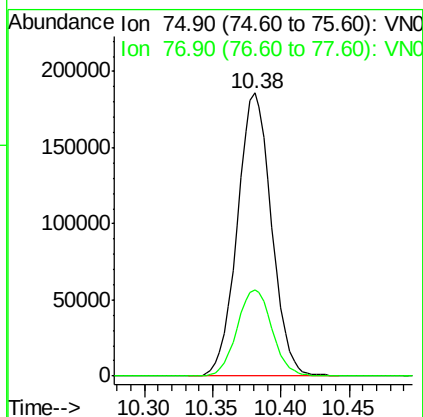
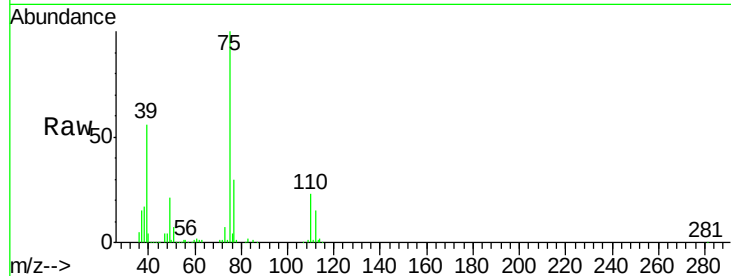
77 30.5 24.5 36.7

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#54

cis-1,3-Dichloropropene

Concen: 48.448 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

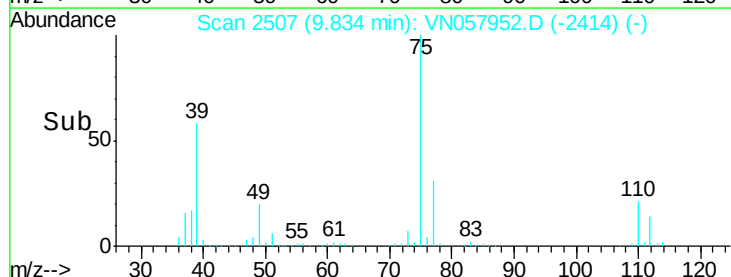
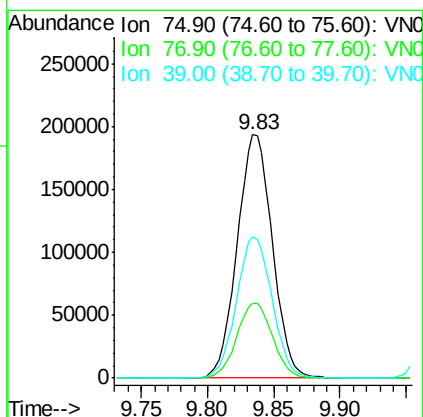
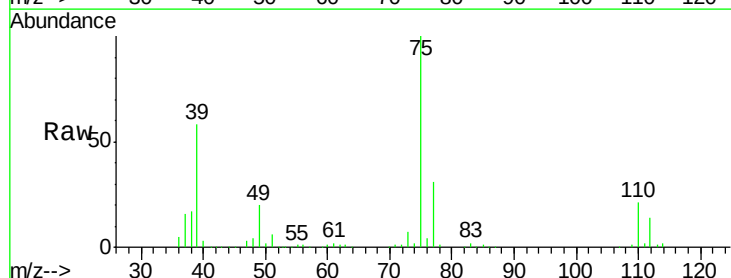
Tgt Ion: 75 Resp: 356821

Ion Ratio Lower Upper

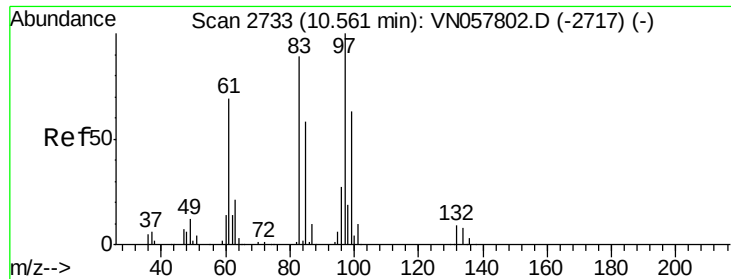
75 100

77 30.7 24.8 37.2

39 58.0 46.2 69.4







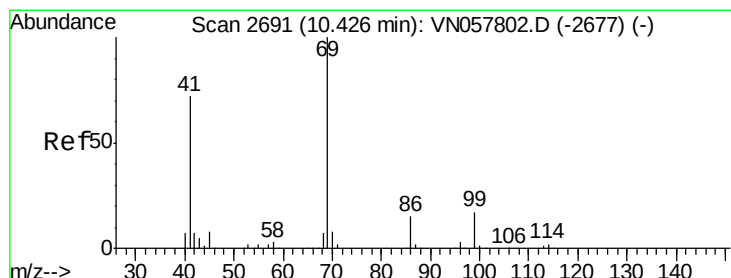
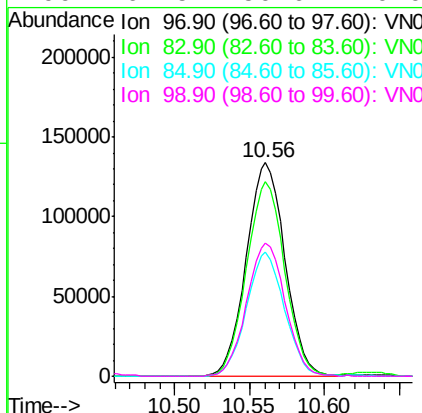
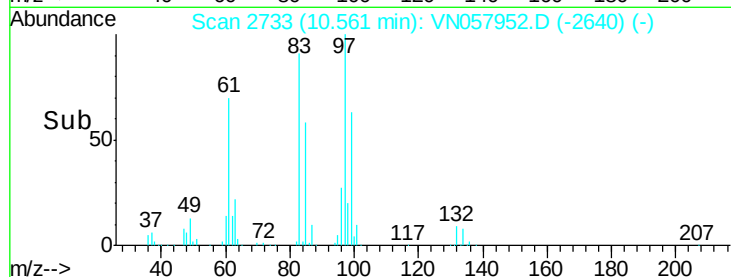
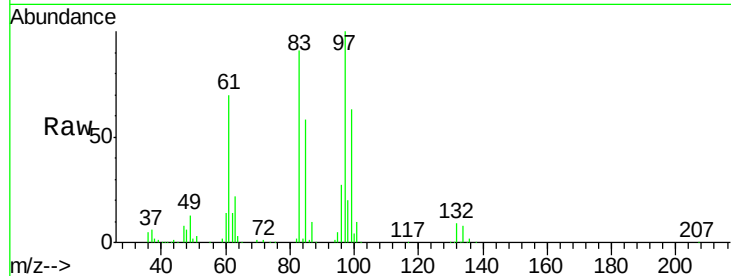
#55  
 1,1,2-Trichloroethane  
 Concen: 50.246 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. 0.00 min  
 Lab File: VN057952.D  
 Acq: 12 Sep 2019 2:03

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 241846 |       |       |
| 83      | 90.9 | 70.8  | 106.2  |       |       |
| 85      | 58.0 | 46.0  | 69.0   |       |       |
| 99      | 62.5 | 50.6  | 76.0   |       |       |

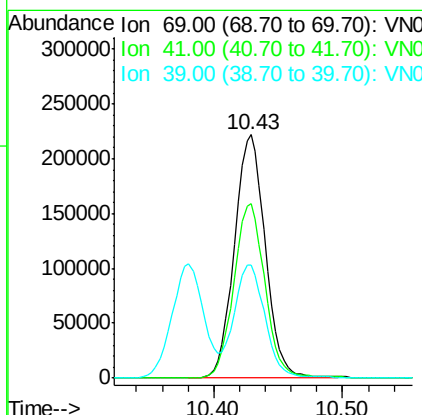
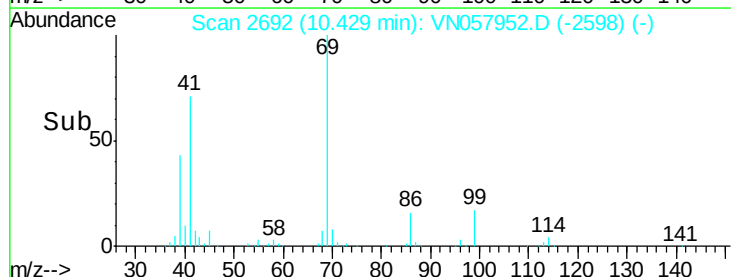
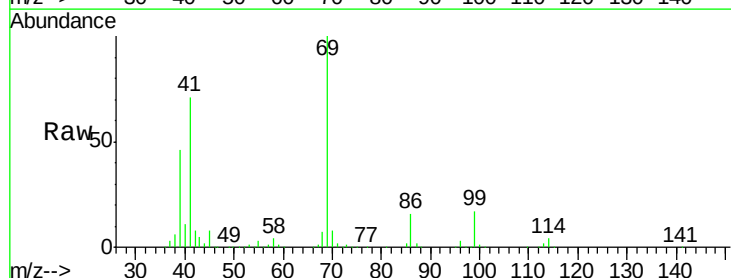
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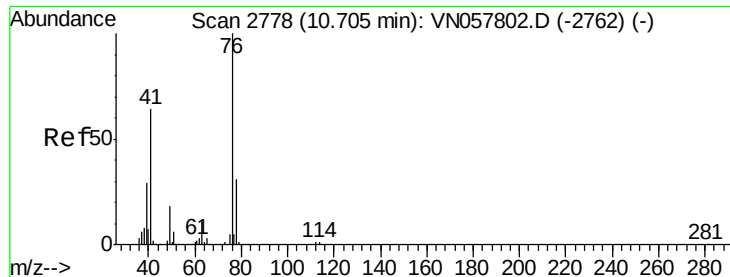
MMDadoda  
 9/13/2019 11:07:11 AM



#56  
 Ethyl methacrylate  
 Concen: 50.948 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN057952.D  
 Acq: 12 Sep 2019 2:03

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 369279 |       |       |
| 41      | 71.1 | 56.7  | 85.1   |       |       |
| 39      | 46.9 | 36.3  | 54.5   |       |       |





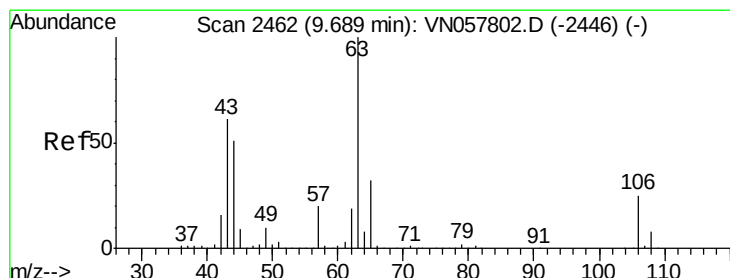
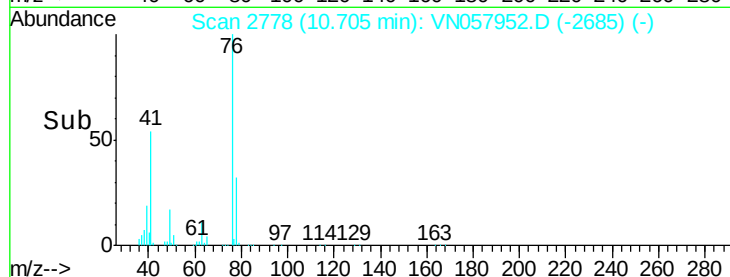
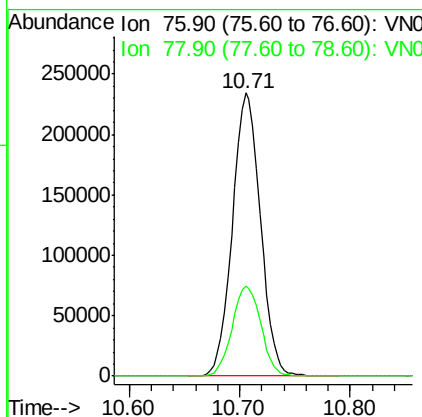
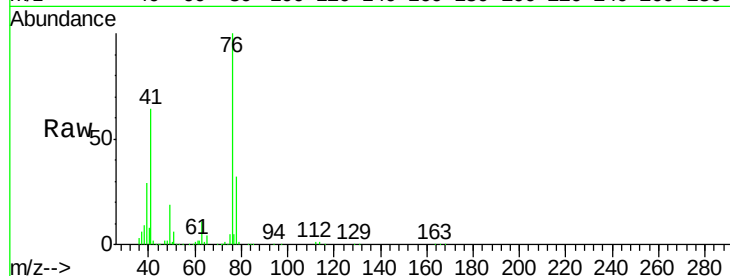
#57  
 1,3-Dichloropropane  
 Concen: 49.764 ug/l  
 RT: 10.71 min Scan# 2778  
 Delta R.T. 0.00 min  
 Lab File: VN057952.D  
 Acq: 12 Sep 2019 2:03

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 76 Resp: 412785  
 Ion Ratio Lower Upper  
 76 100  
 78 32.7 25.4 38.2

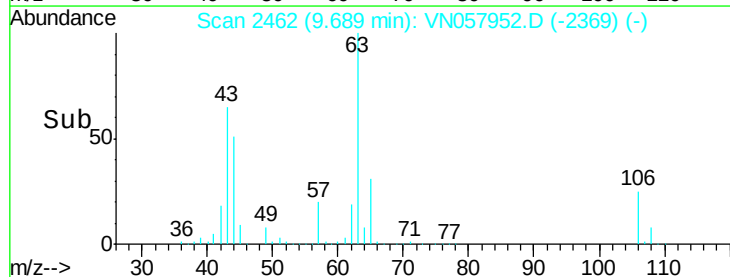
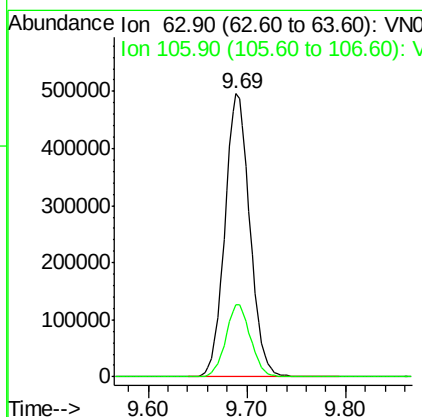
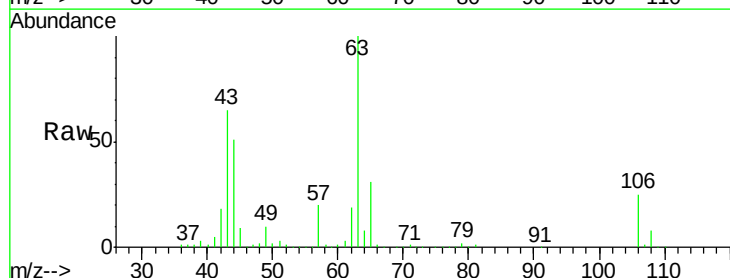
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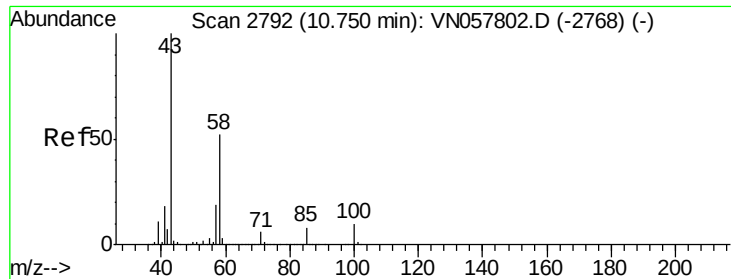
MMDadoda  
 9/13/2019 11:07:11 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 256.127 ug/l  
 RT: 9.69 min Scan# 2462  
 Delta R.T. 0.00 min  
 Lab File: VN057952.D  
 Acq: 12 Sep 2019 2:03

Tgt Ion: 63 Resp: 874373  
 Ion Ratio Lower Upper  
 63 100  
 106 25.3 20.0 30.0





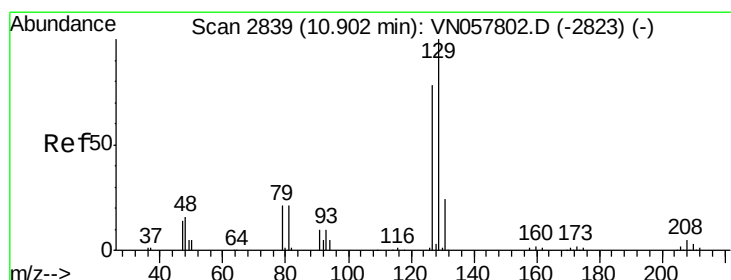
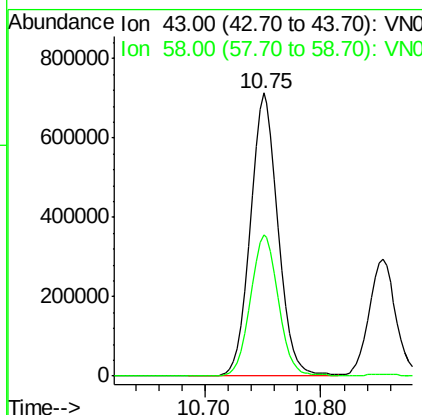
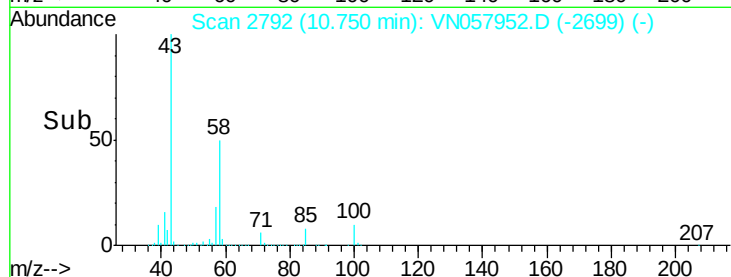
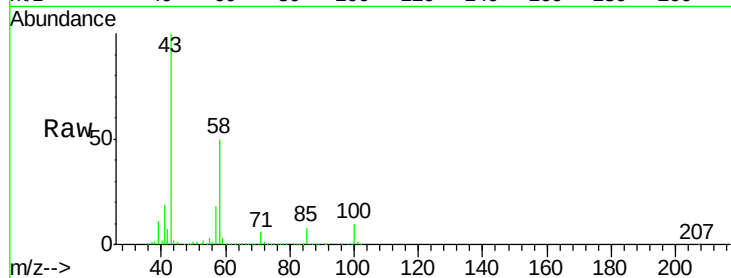
#59  
2-Hexanone  
Concen: 256.882 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 1186317  
Ion Ratio Lower Upper  
43 100  
58 50.9 25.6 76.8

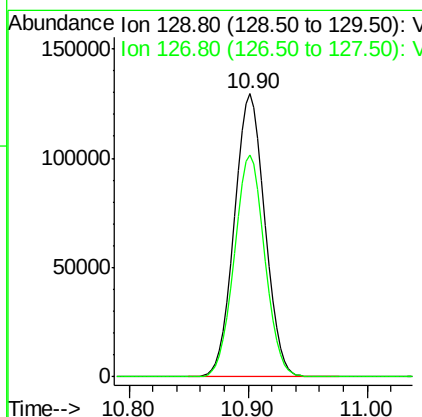
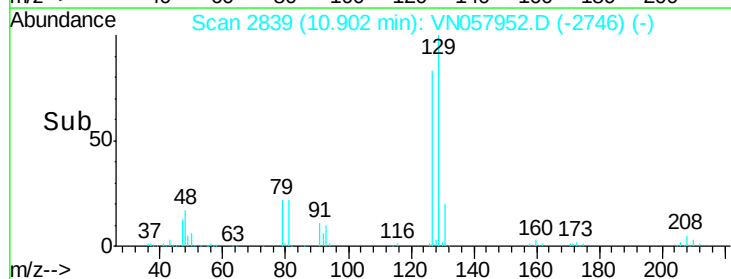
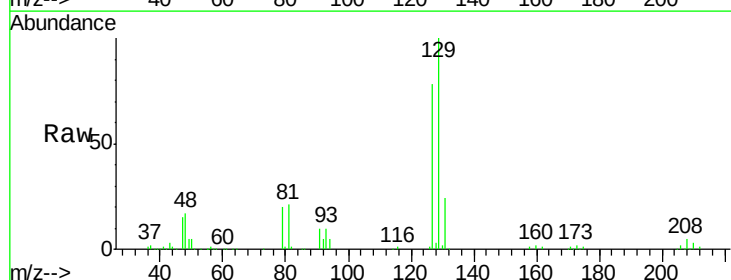
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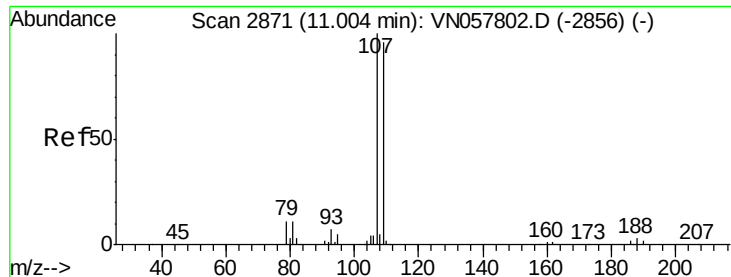
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 51.568 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Tgt Ion: 129 Resp: 230482  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.207 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 228464

Ion Ratio Lower Upper

107 100

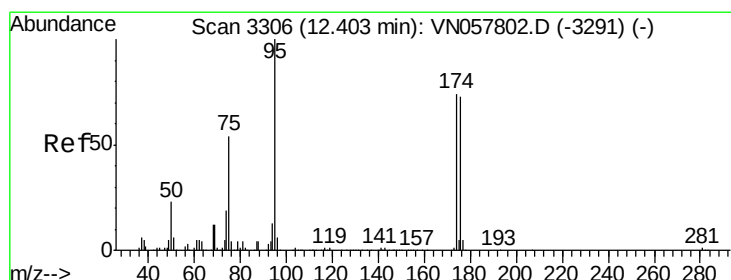
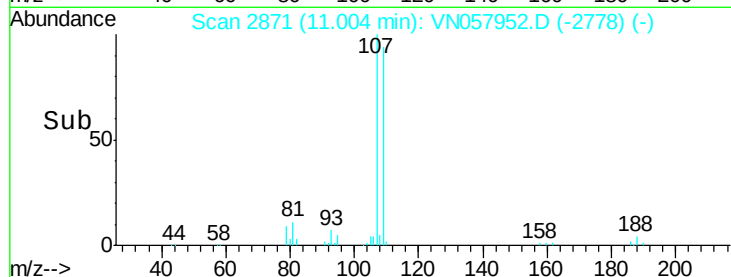
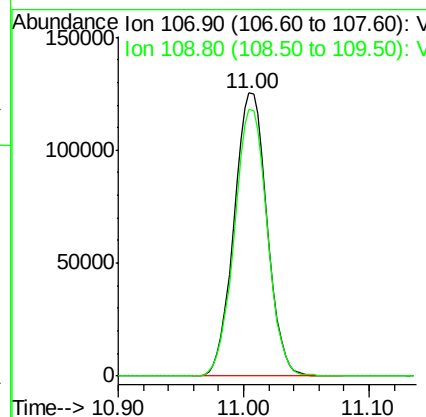
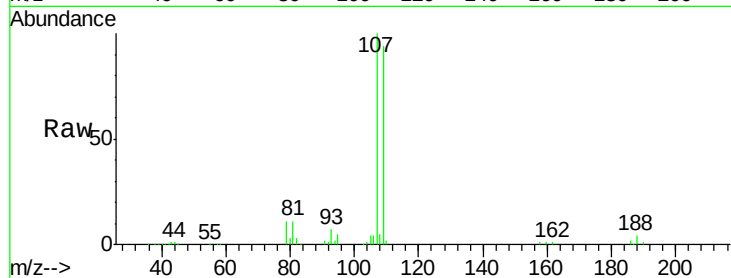
109 94.2 75.3 112.9

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#62

4-Bromofluorobenzene

Concen: 50.503 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

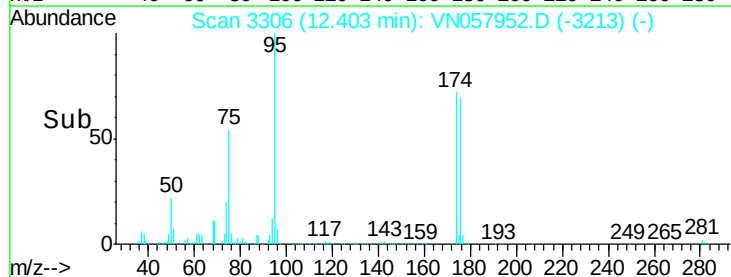
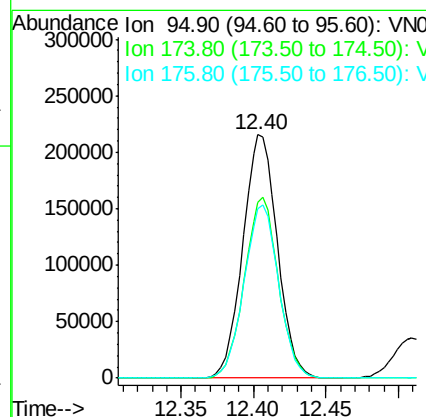
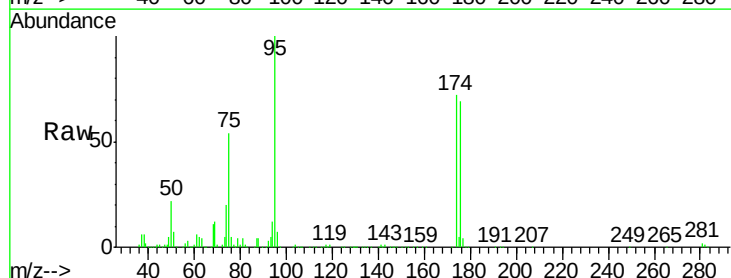
Tgt Ion: 95 Resp: 356355

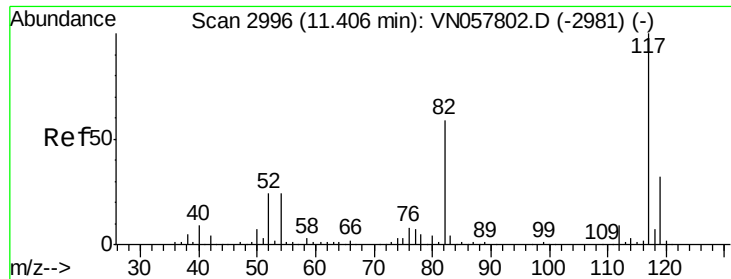
Ion Ratio Lower Upper

95 100

174 73.3 0.0 150.2

176 71.2 0.0 146.0





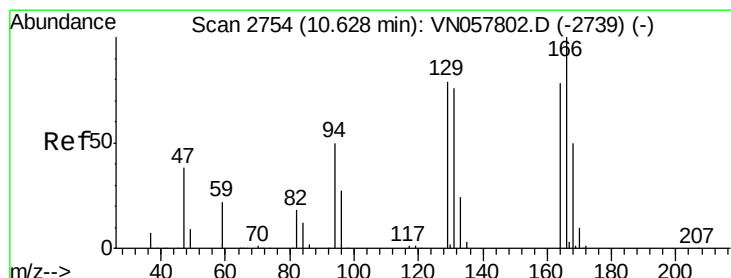
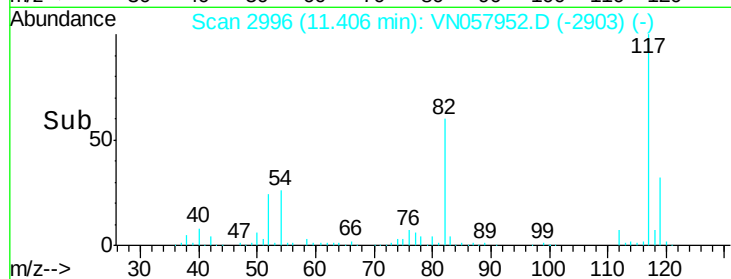
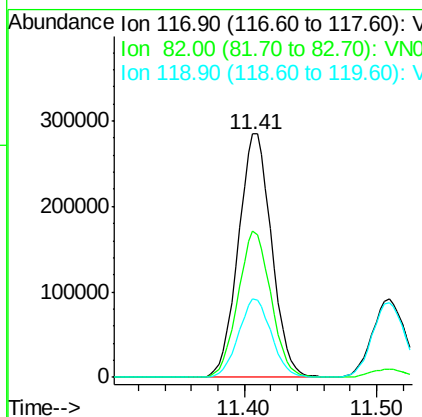
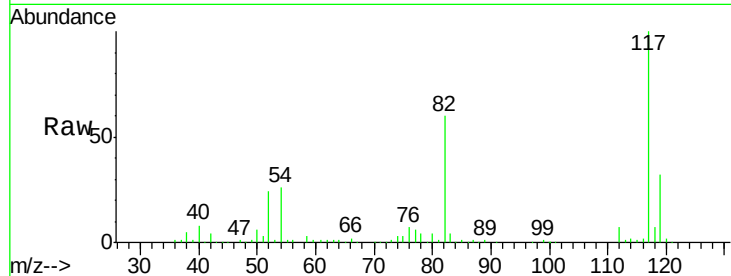
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 496456 |       |       |
| 82      | 60.2  | 47.2   | 70.8  |       |
| 119     | 32.0  | 25.3   | 37.9  |       |

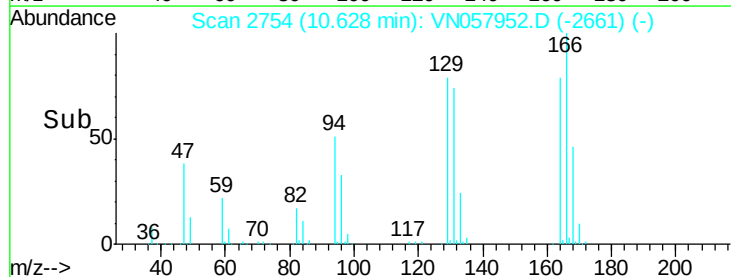
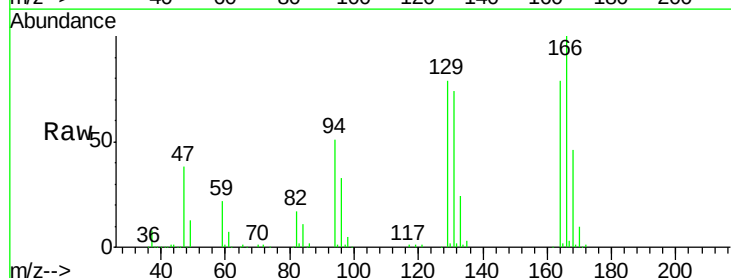
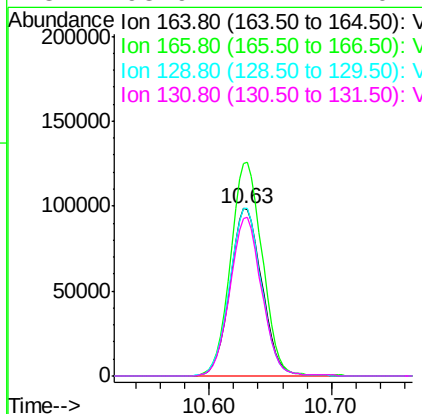
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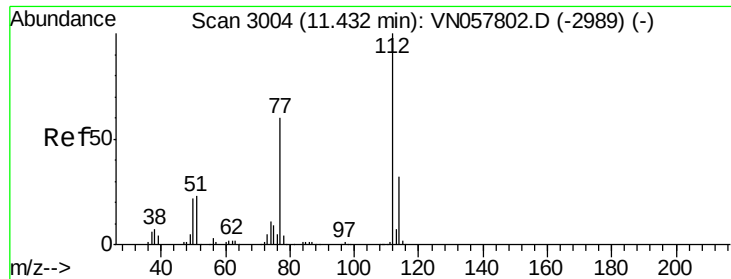
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#64  
Tetrachloroethene  
Concen: 48.900 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 179246 |       |       |
| 166     | 127.3 | 102.2  | 153.2 |       |
| 129     | 100.0 | 80.8   | 121.2 |       |
| 131     | 93.9  | 77.4   | 116.2 |       |





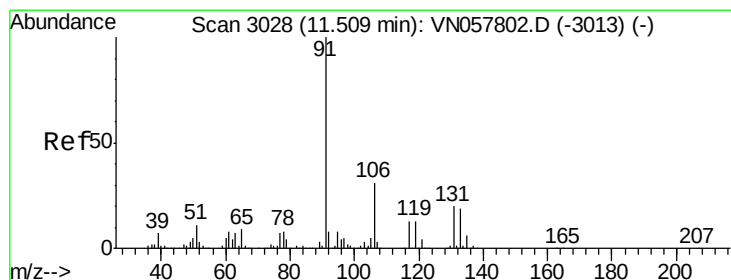
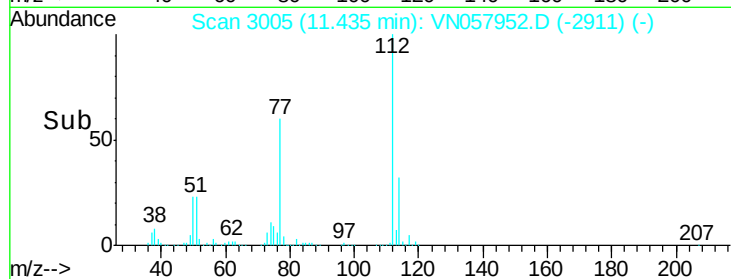
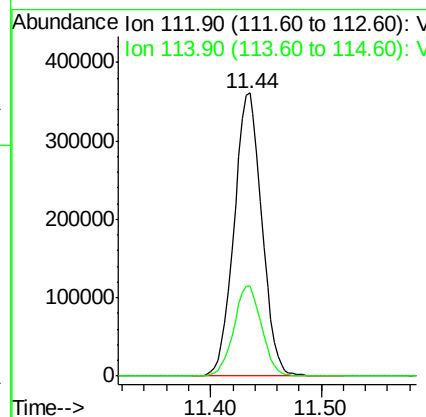
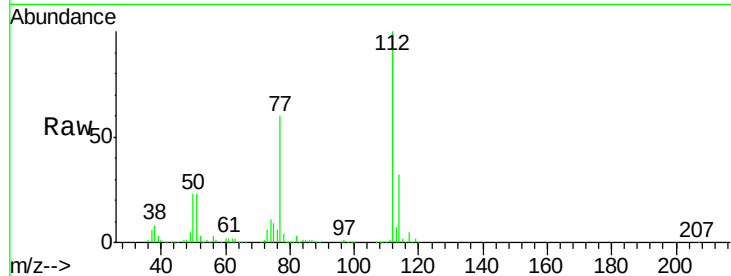
#65  
Chlorobenzene  
Concen: 48.411 ug/l  
RT: 11.44 min Scan# 3005  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 628987  
Ion Ratio Lower Upper  
112 100  
114 31.8 25.2 37.8

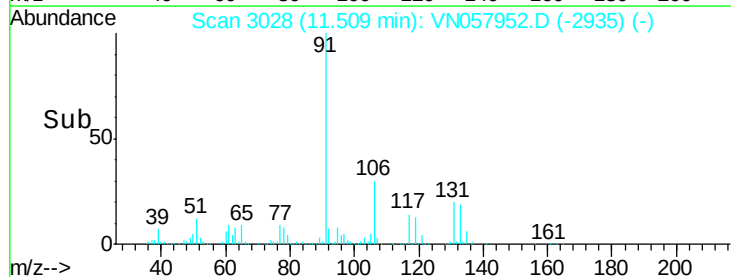
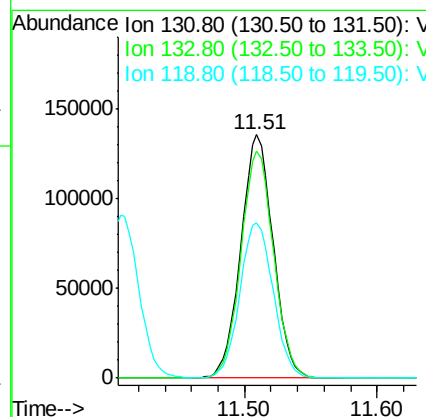
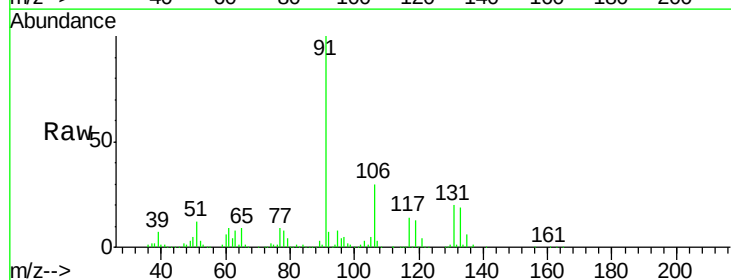
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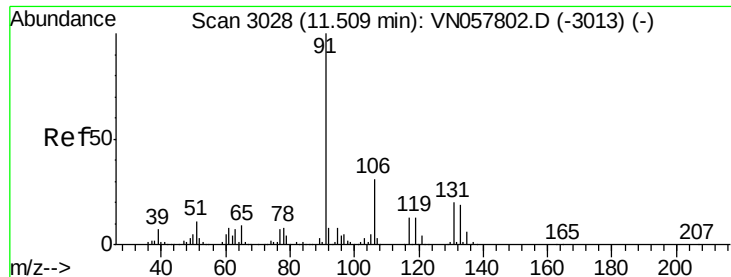
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.955 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Tgt Ion:131 Resp: 229725  
Ion Ratio Lower Upper  
131 100  
133 94.3 47.1 141.3  
119 66.0 33.3 99.8





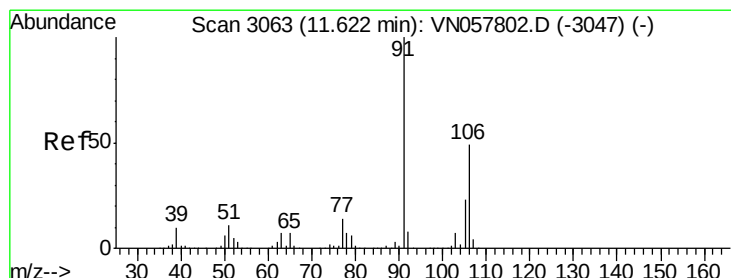
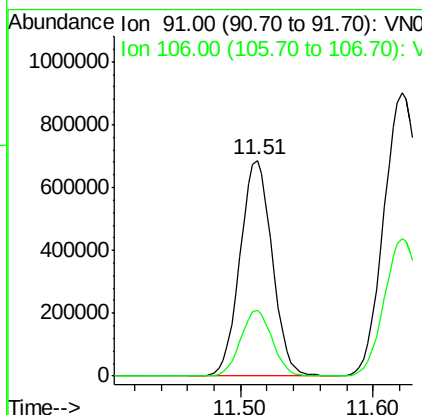
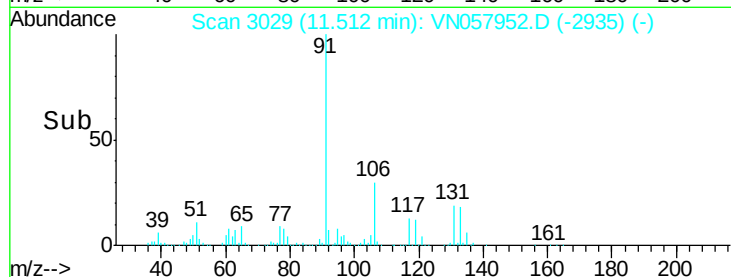
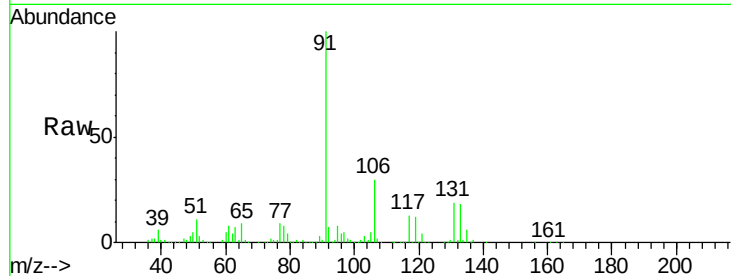
#67  
Ethyl Benzene  
Concen: 50.630 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 1152857  
Ion Ratio Lower Upper  
91 100  
106 30.5 24.4 36.6

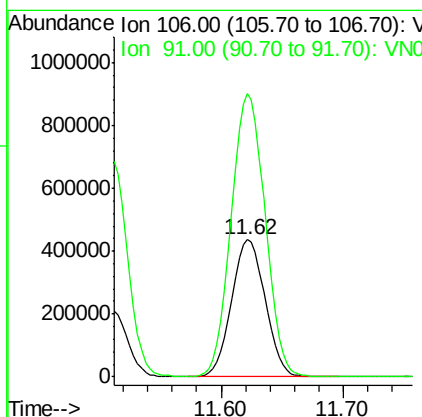
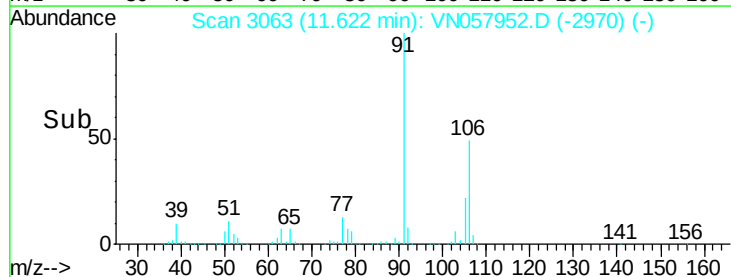
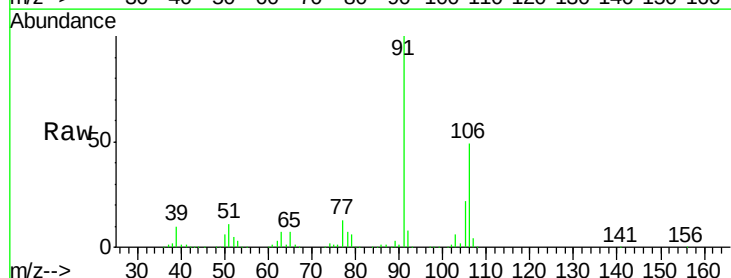
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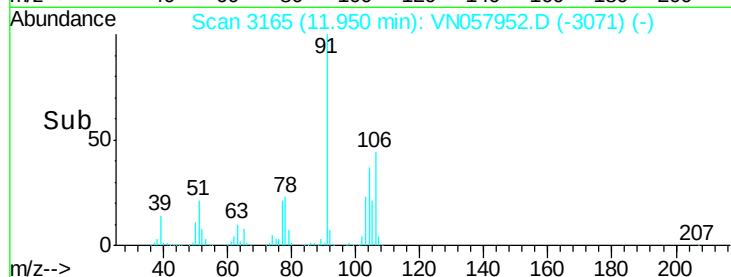
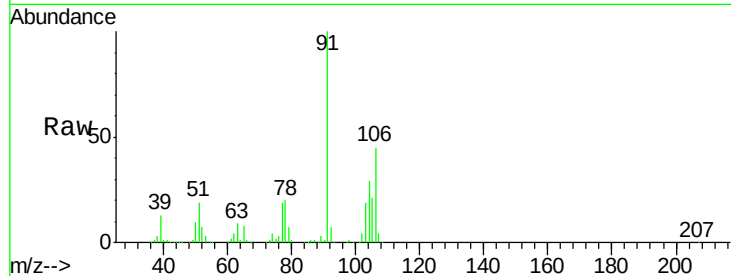
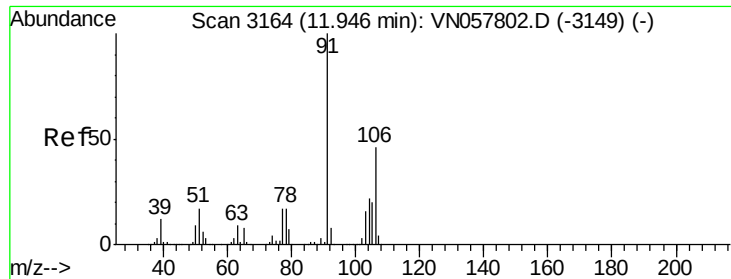
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#68  
m/p-Xylenes  
Concen: 99.997 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Tgt Ion: 106 Resp: 834042  
Ion Ratio Lower Upper  
106 100  
91 208.8 165.8 248.6





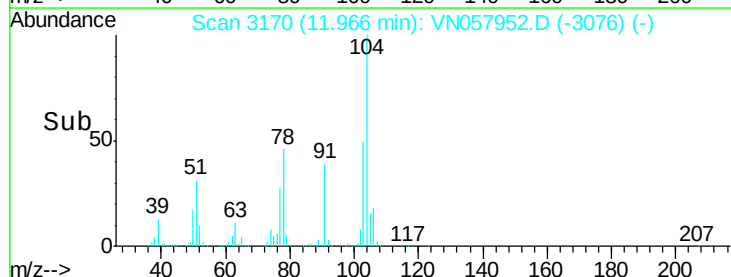
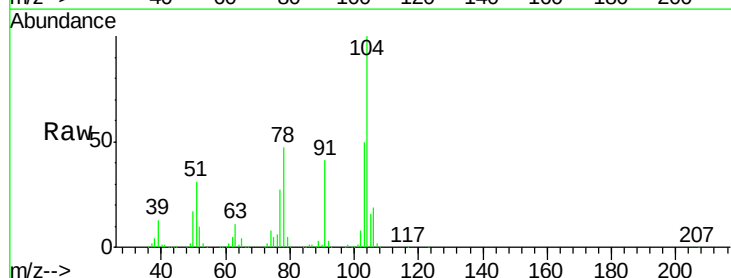
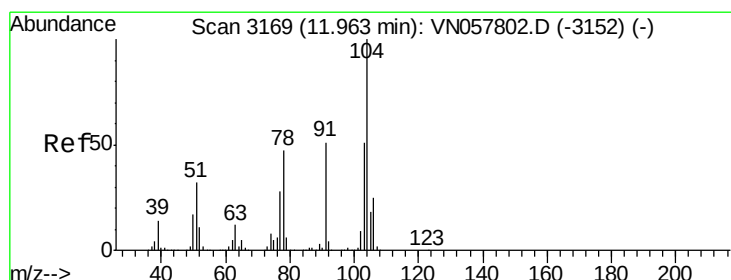
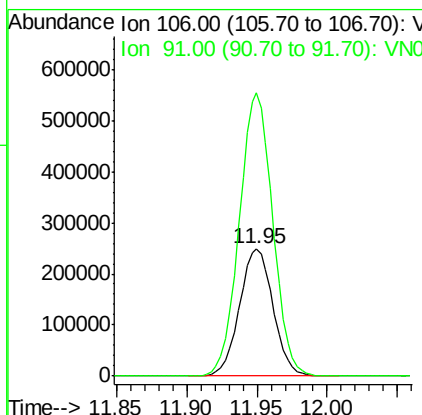
#69  
o-Xylene  
Concen: 50.096 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Tot Ion:106 Resp: 415391  
Ion Ratio Lower Upper  
106 100  
91 221.4 108.7 326.1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

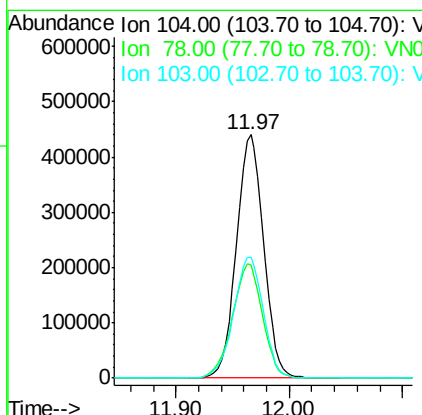
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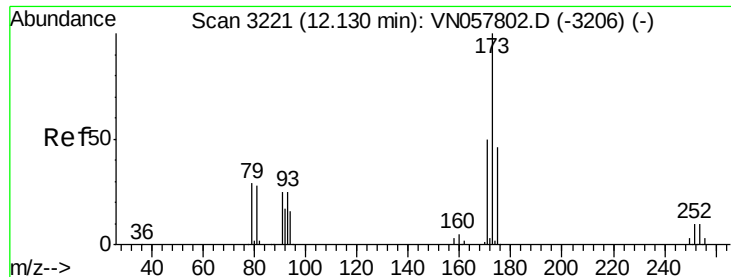


#70  
Styrene  
Concen: 51.823 ug/l  
RT: 11.97 min Scan# 3170  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Tgt Ion:104 Resp: 739524  
Ion Ratio Lower Upper  
104 100  
78 51.8 41.3 61.9  
103 54.3 43.7 65.5







#71

Bromoform

Concen: 51.091 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 143606

Ion Ratio Lower Upper

173 100

175 47.5 23.5 70.6

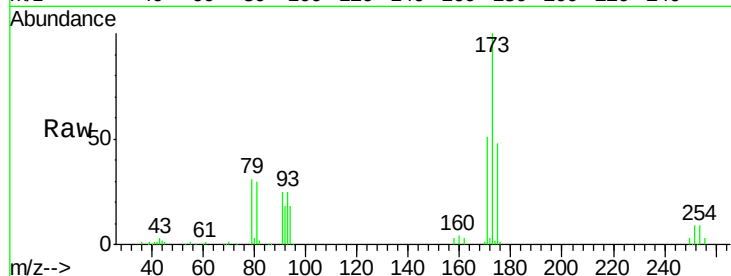
254 0.0 0.1 0.1#

Manual Integrations

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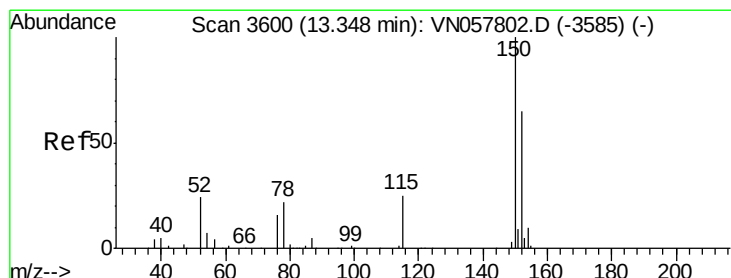
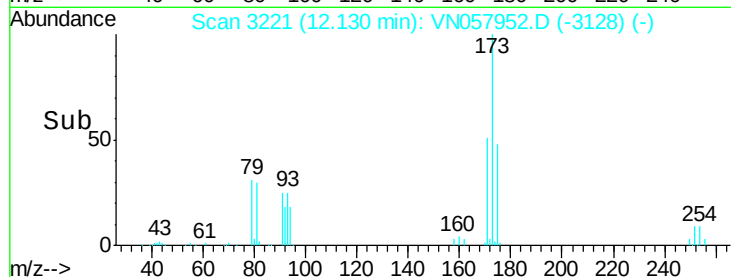
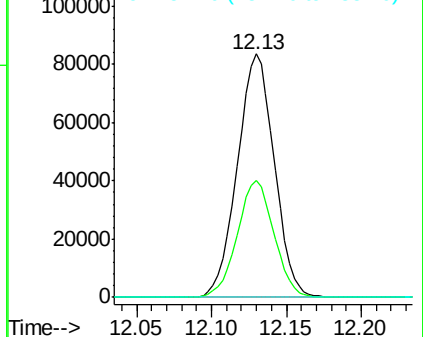
9/13/2019 11:07:11 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

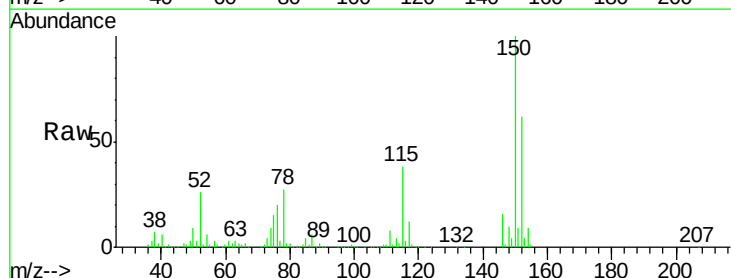
Tgt Ion:152 Resp: 302792

Ion Ratio Lower Upper

152 100

115 62.0 30.3 91.0

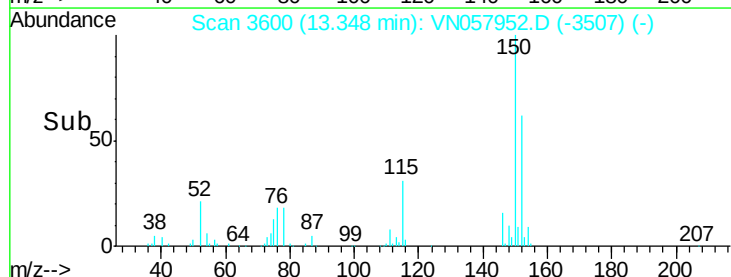
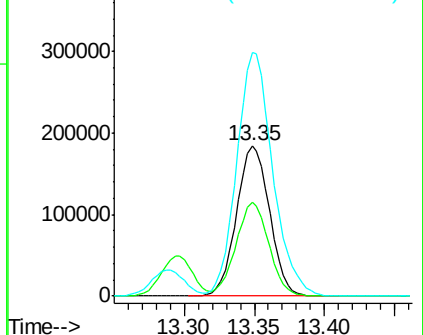
150 176.3 0.0 352.4

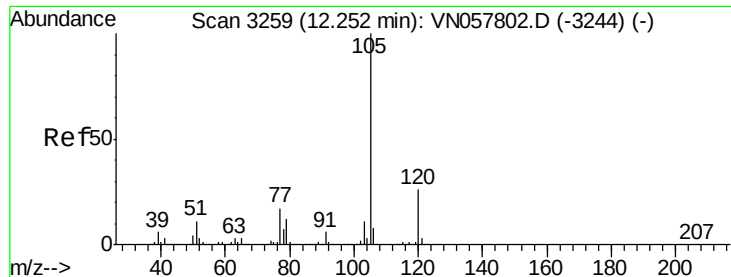


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.700 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1167735

Ion Ratio Lower Upper

105 100

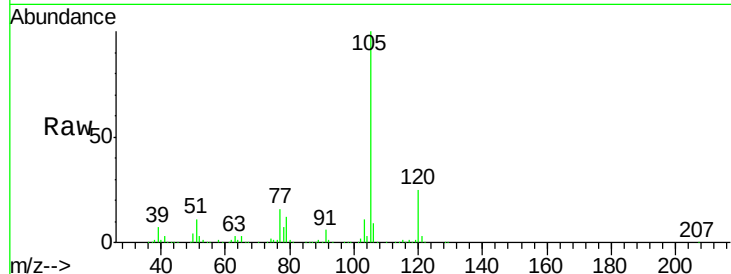
120 25.5 12.8 38.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

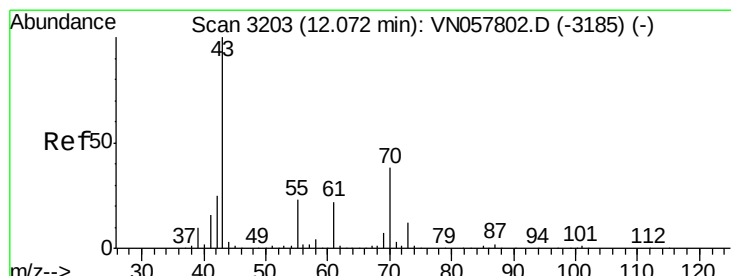
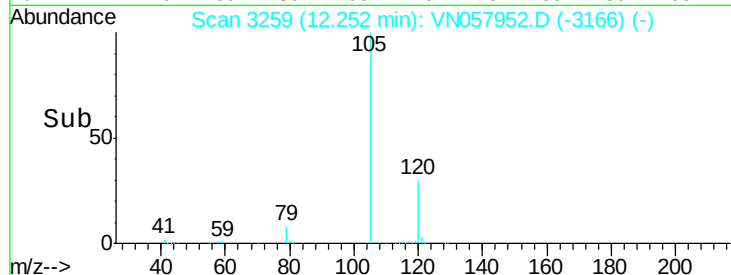
0

12.20

12.25

12.30

Time-->



#74

N-amyl acetate

Concen: 49.491 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Tgt Ion: 43 Resp: 506067

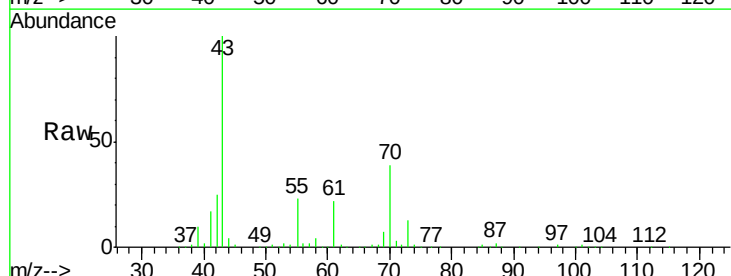
Ion Ratio Lower Upper

43 100

70 39.1 30.6 45.8

55 23.7 18.6 27.8

61 22.0 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

500000

400000

300000

200000

100000

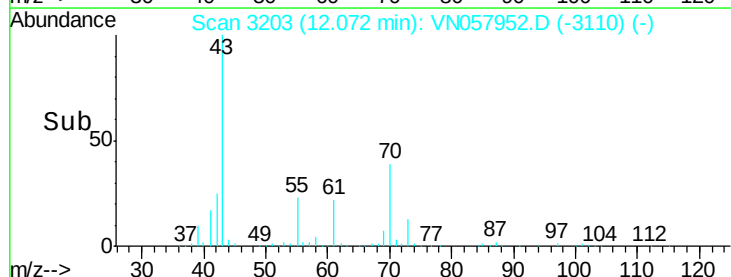
0

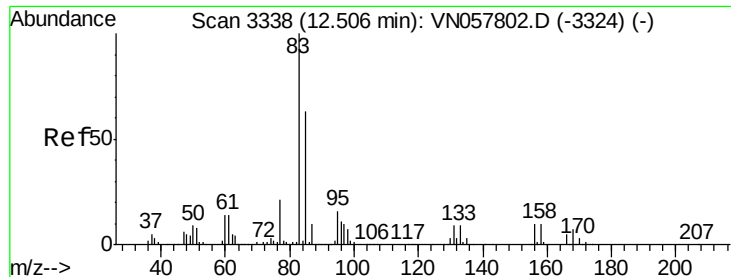
12.00

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.022 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Instrument :

MSVOA\_N

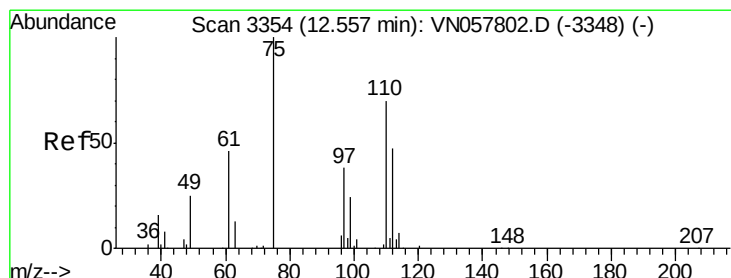
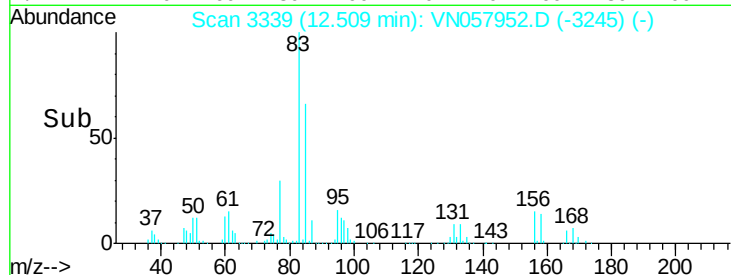
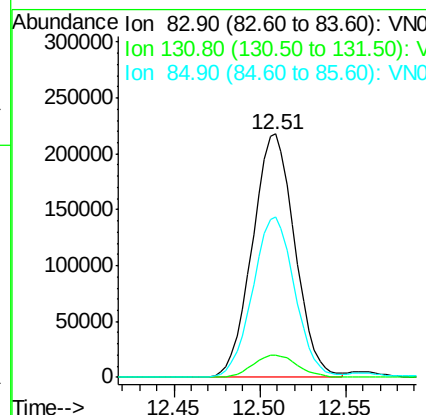
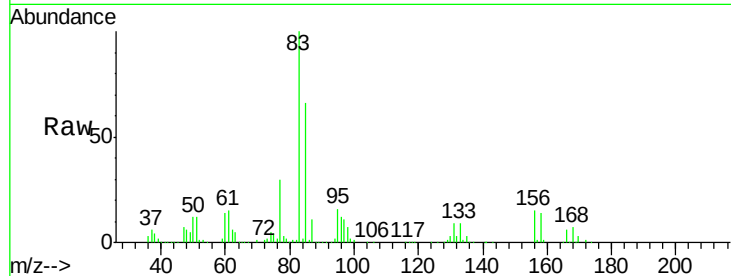
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 371992 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.8   | 4.8   | 14.3   |
| 85        | 65.2  | 31.6  | 94.7   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 45.297 ug/l m

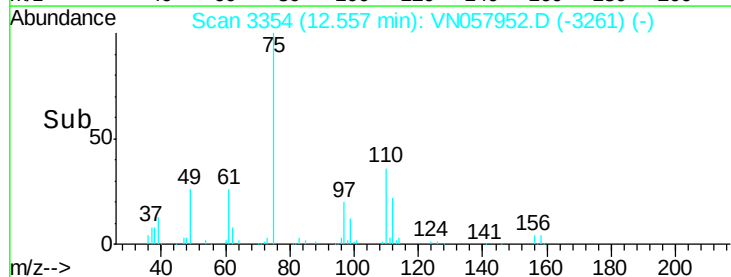
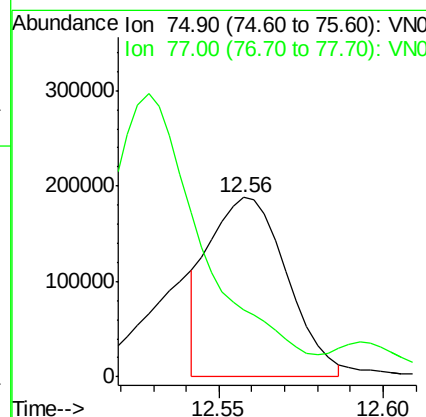
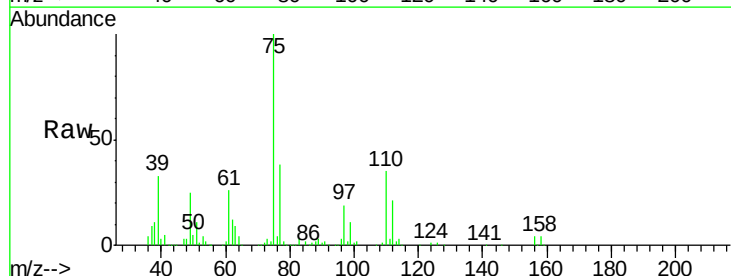
RT: 12.56 min Scan# 3354

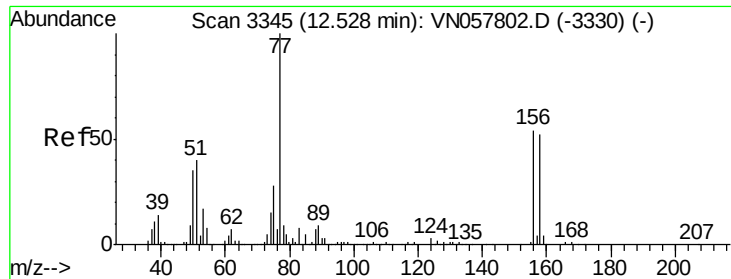
Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 310270 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 46.607 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Instrument :

MSVOA\_N

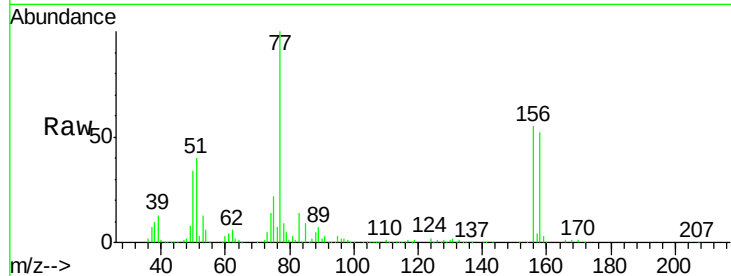
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 273021 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 221.7 | 113.7 | 341.1  |
| 158       | 96.1  | 48.5  | 145.6  |

Manual Integrations  
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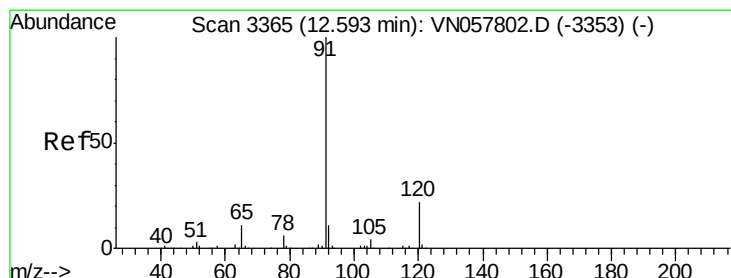
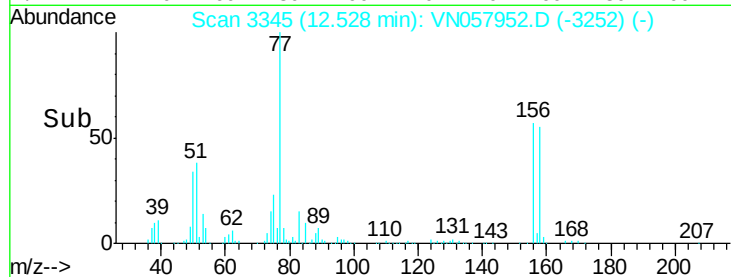
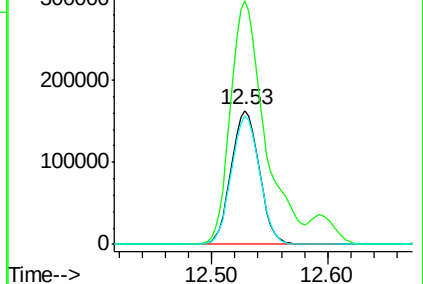
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9/13/2019 11:07:11 AM



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: 50.487 ug/l

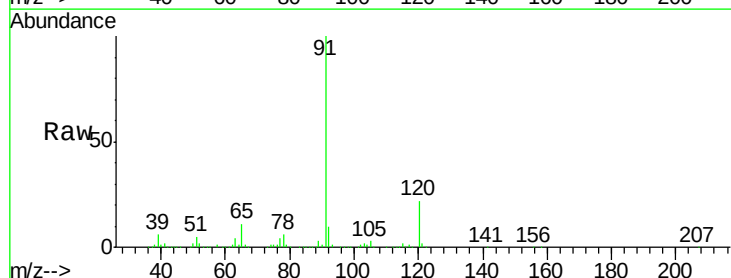
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057952.D

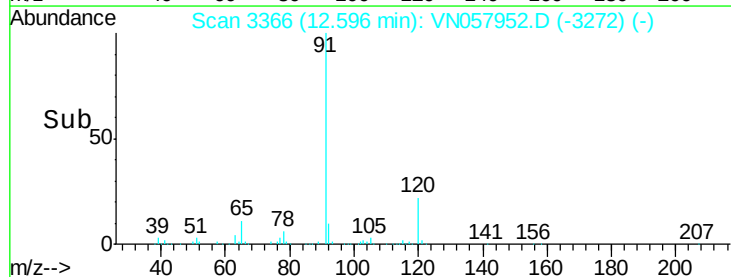
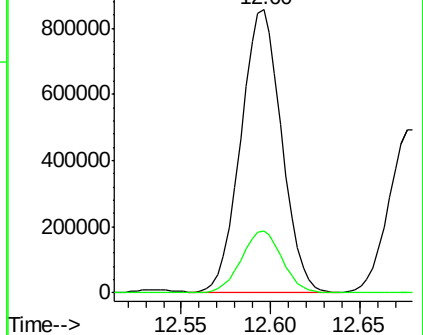
Acq: 12 Sep 2019 2:03

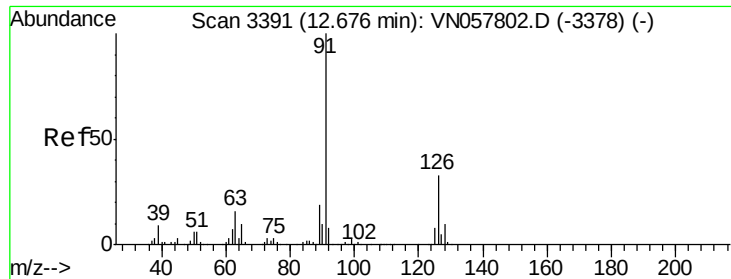
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1362153 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 21.9  | 11.1  | 33.1    |



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.673 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 812943

Ion Ratio Lower Upper

91 100

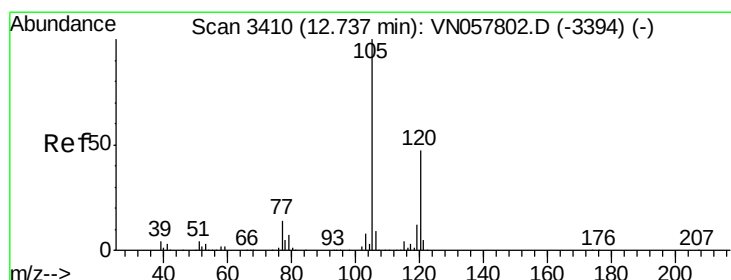
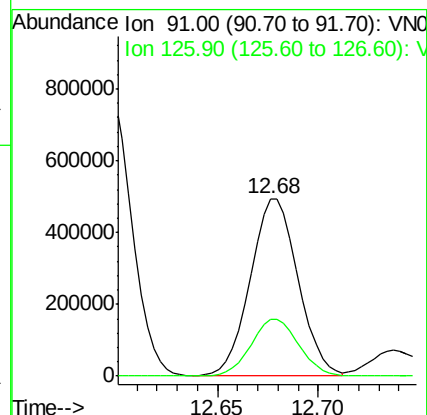
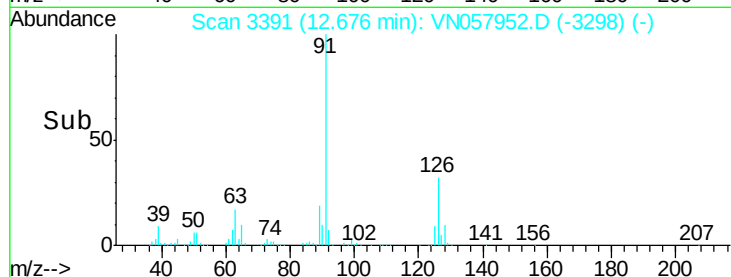
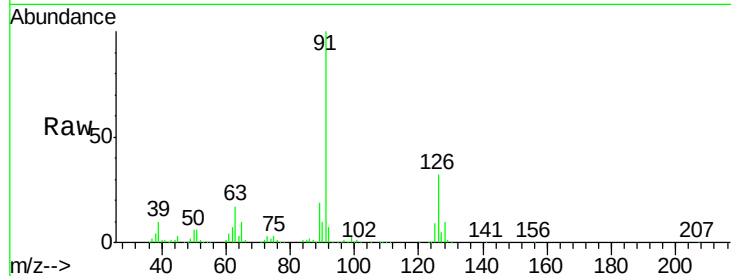
126 32.5 16.4 49.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.145 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057952.D

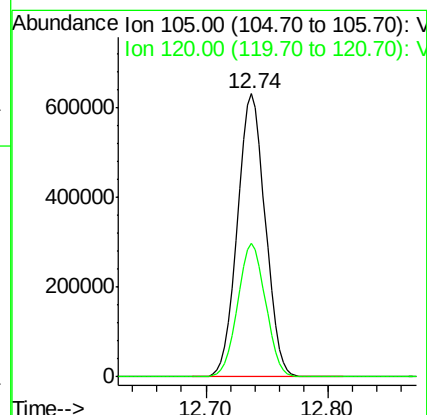
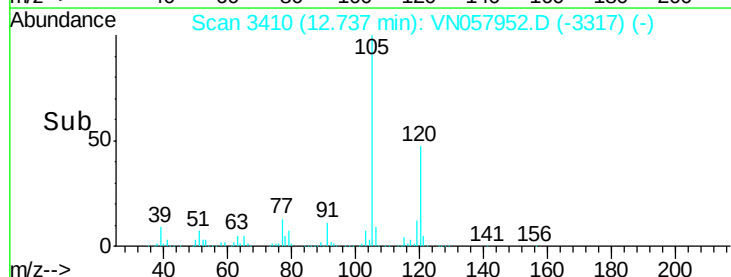
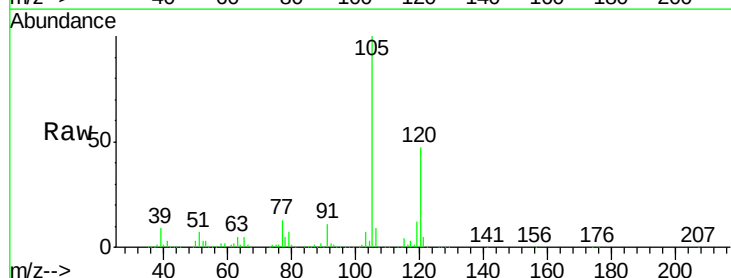
Acq: 12 Sep 2019 2:03

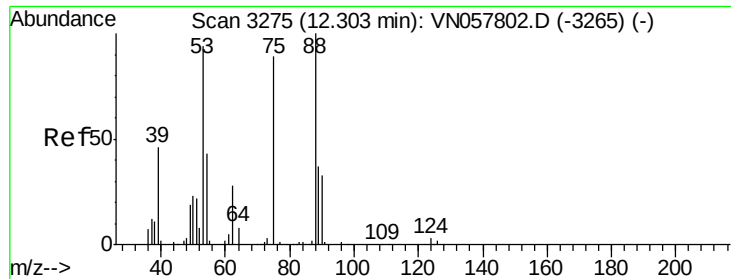
Tgt Ion: 105 Resp: 995506

Ion Ratio Lower Upper

105 100

120 47.2 23.7 71.1





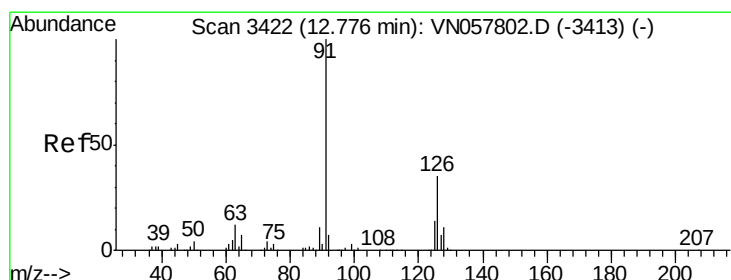
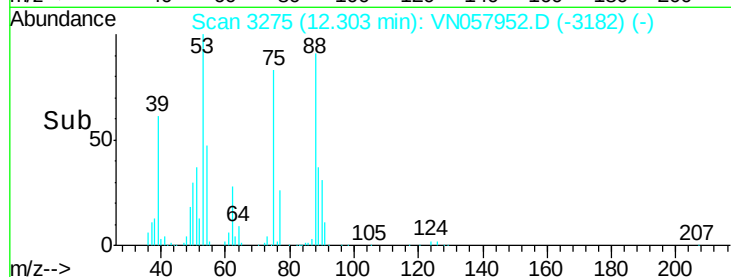
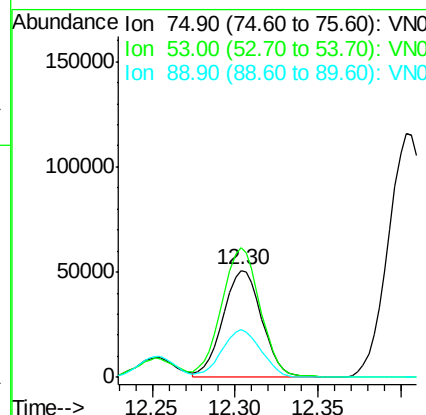
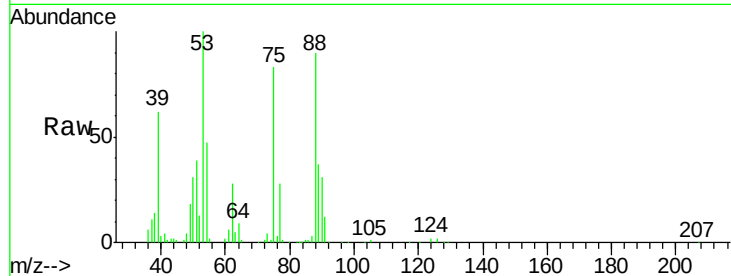
#81  
trans-1,4-Dichloro-2-butene  
Concen: 42.892 ug/l  
RT: 12.30 min Scan# 3275  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 120.8 | 88.4  | 132.6 |
| 89      | 45.0  | 35.3  | 52.9  |

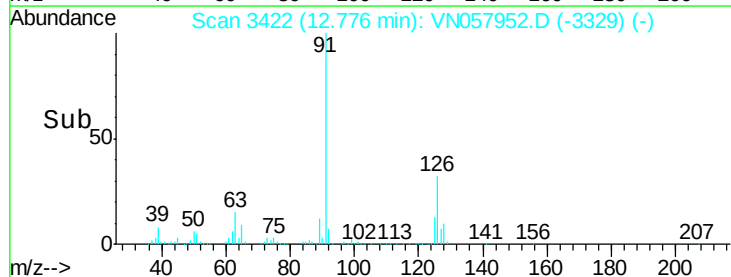
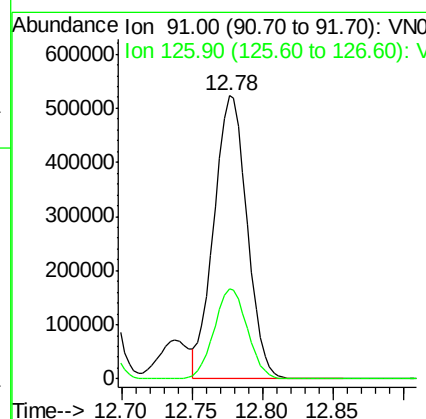
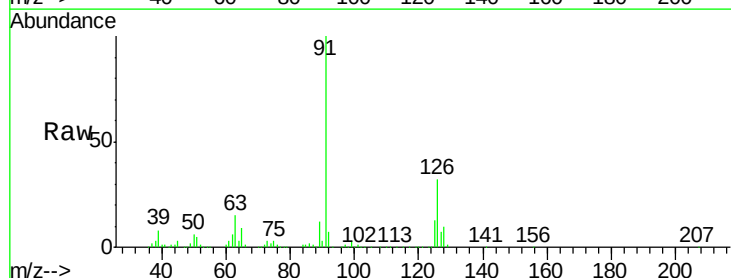
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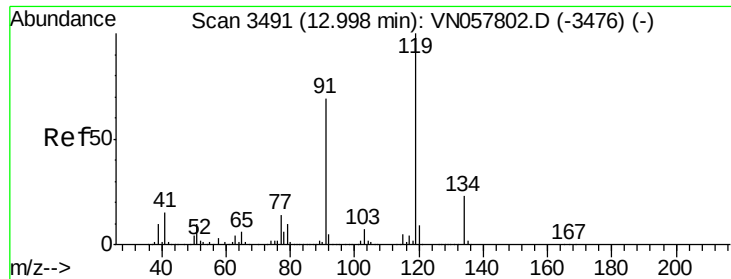
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#82  
4-Chlorotoluene  
Concen: 48.516 ug/l  
RT: 12.78 min Scan# 3422  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.9  | 16.0  | 48.0  |





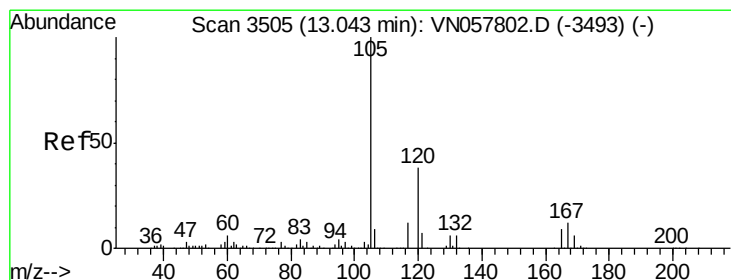
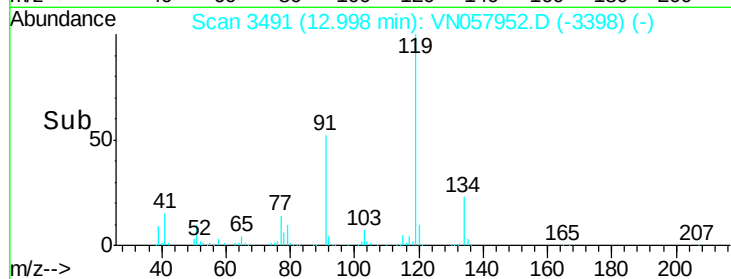
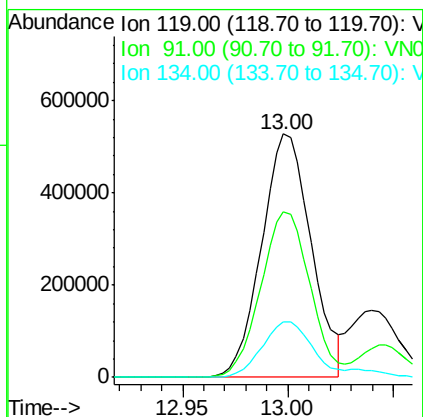
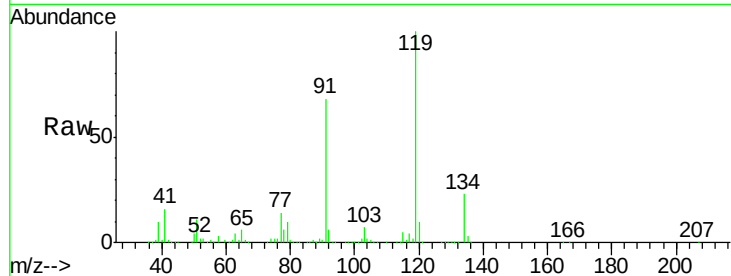
#83  
 tert-Butylbenzene  
 Concen: 48.918 ug/l  
 RT: 13.00 min Scan# 3491  
 Delta R.T. 0.00 min  
 Lab File: VN057952.D  
 Acq: 12 Sep 2019 2:03

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 67.6  | 33.6  | 100.8 |
| 134     | 25.5  | 11.7  | 35.0  |

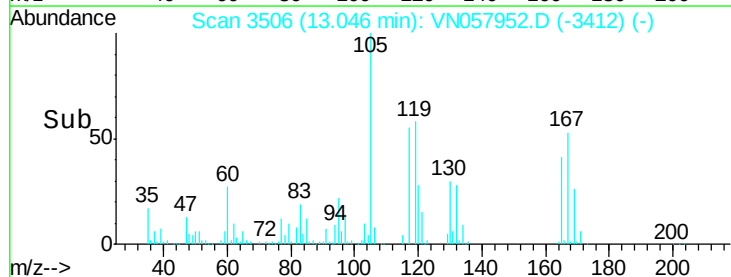
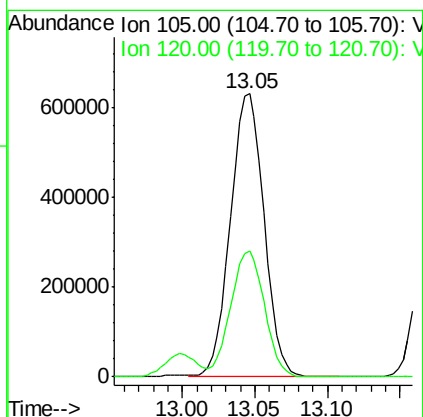
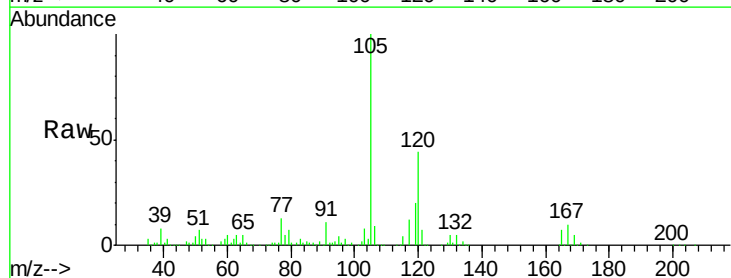
Manual Integrations  
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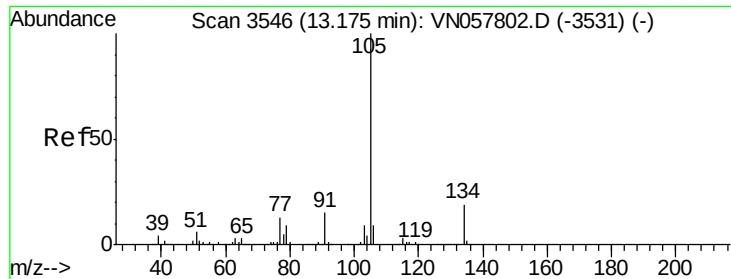
MMDadoda  
 9/13/2019 11:07:11 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 50.106 ug/l  
 RT: 13.05 min Scan# 3506  
 Delta R.T. 0.00 min  
 Lab File: VN057952.D  
 Acq: 12 Sep 2019 2:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.6  | 22.4  | 67.2  |





#85

sec-Butylbenzene

Concen: 50.094 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1171684

Ion Ratio Lower Upper

105 100

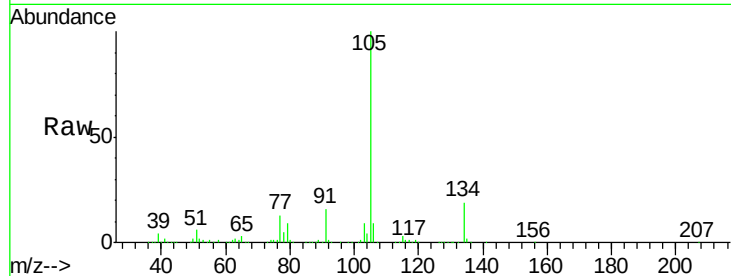
134 18.5 9.6 28.6

Manual Integrations

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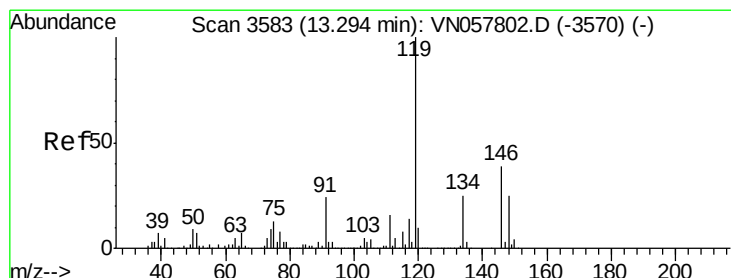
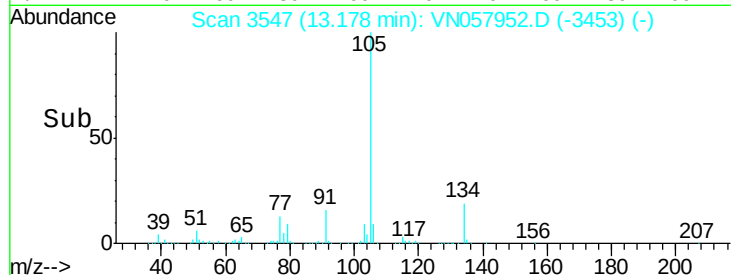
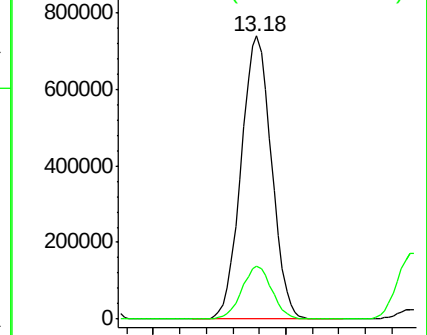
MMDadoda

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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: 50.990 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

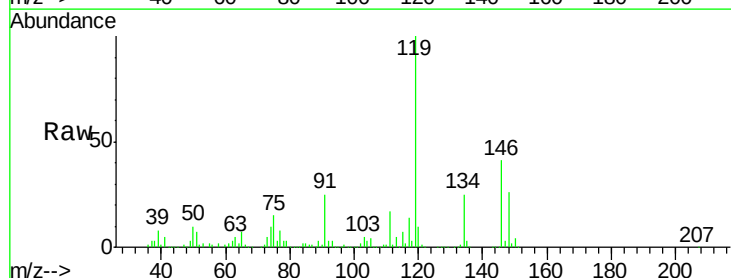
Tgt Ion:119 Resp: 1050847

Ion Ratio Lower Upper

119 100

134 25.6 12.5 37.5

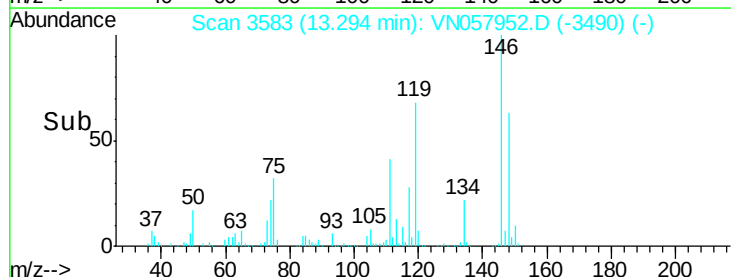
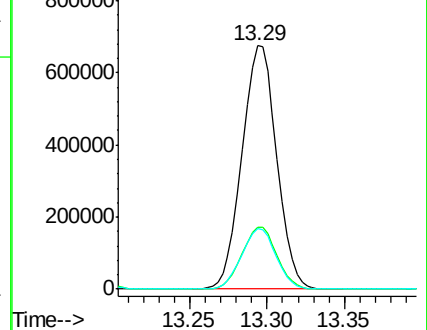
91 24.6 12.3 36.8



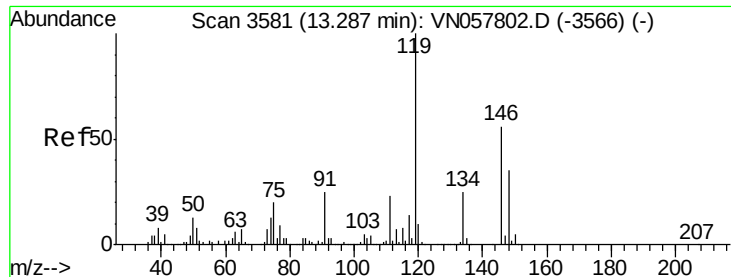
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V







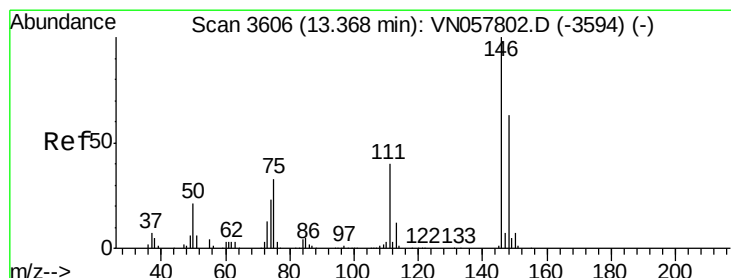
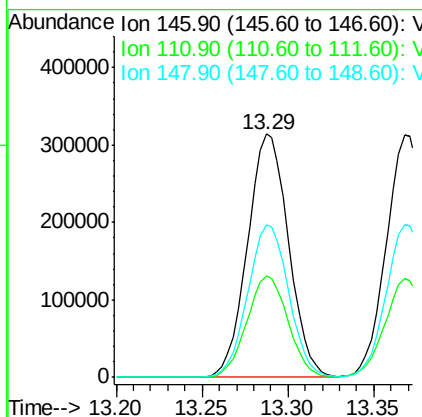
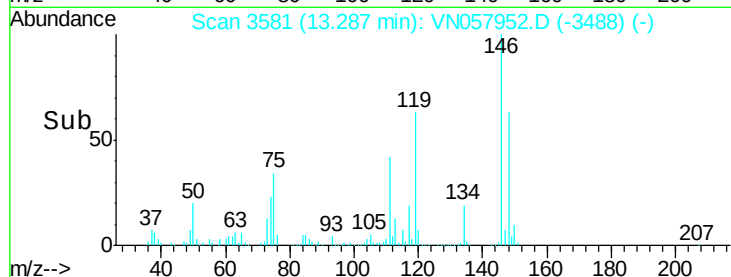
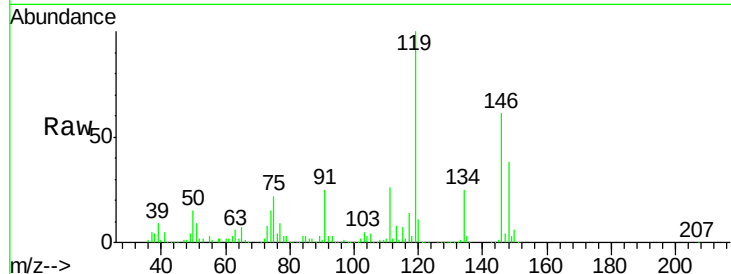
#87  
 1,3-Dichlorobenzene  
 Concen: 48.315 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN057952.D  
 Acq: 12 Sep 2019 2:03

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 519503 |       |       |
| 111     | 41.7  | 20.5   | 61.6  |       |
| 148     | 62.7  | 31.5   | 94.5  |       |

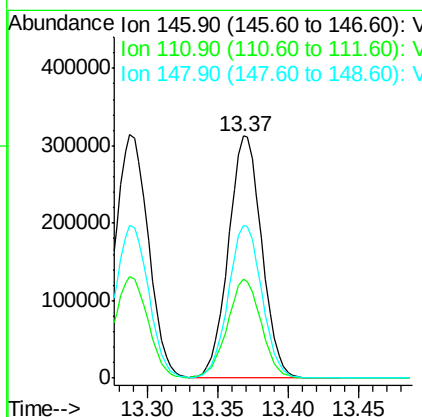
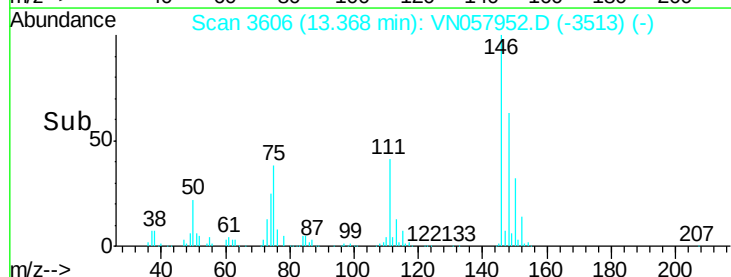
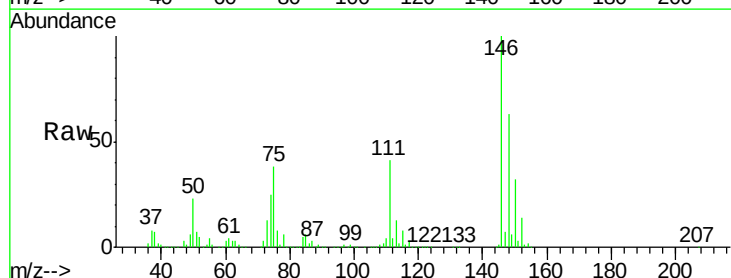
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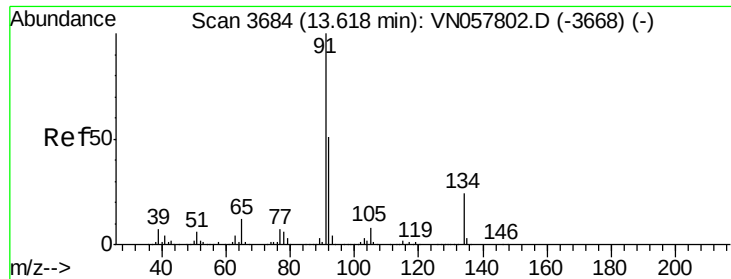
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#88  
 1,4-Dichlorobenzene  
 Concen: 47.302 ug/l  
 RT: 13.37 min Scan# 3606  
 Delta R.T. 0.00 min  
 Lab File: VN057952.D  
 Acq: 12 Sep 2019 2:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 516266 |       |       |
| 111     | 41.2  | 20.4   | 61.2  |       |
| 148     | 63.2  | 31.8   | 95.4  |       |





#89

n-Butylbenzene

Concen: 49.734 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

Instrument :

MSVOA\_N

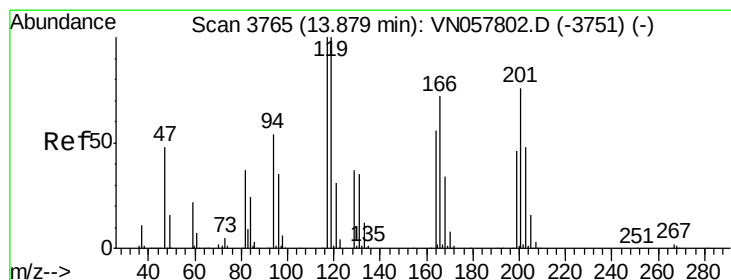
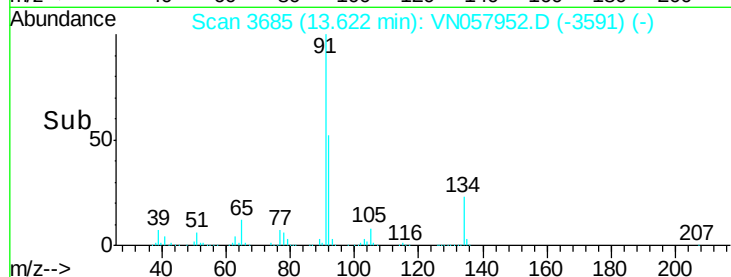
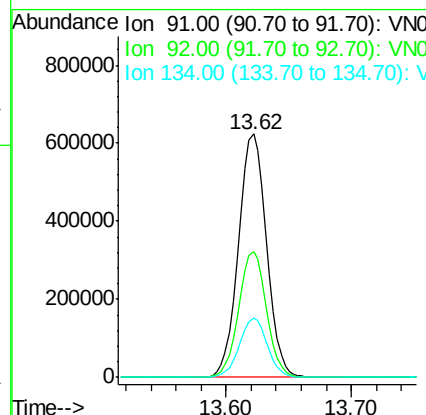
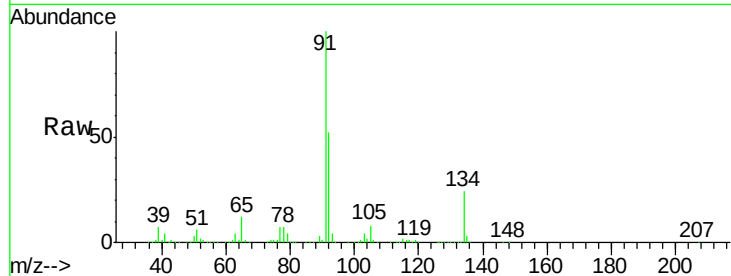
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 91    | Resp: | 967923 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 92        | 51.1  | 25.7  | 77.0   |
| 134       | 24.1  | 11.9  | 35.7   |

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#90

Hexachloroethane

Concen: 50.088 ug/l

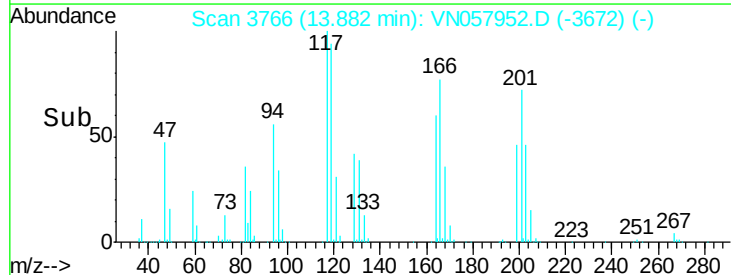
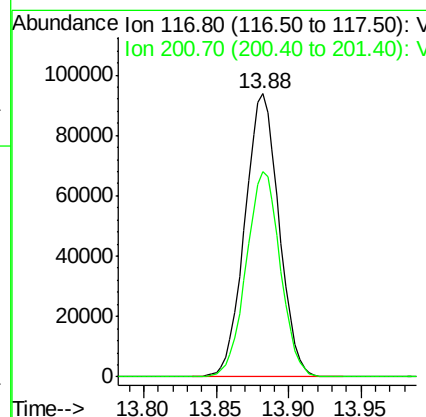
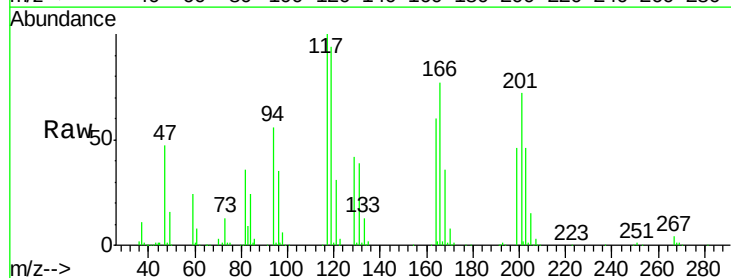
RT: 13.88 min Scan# 3766

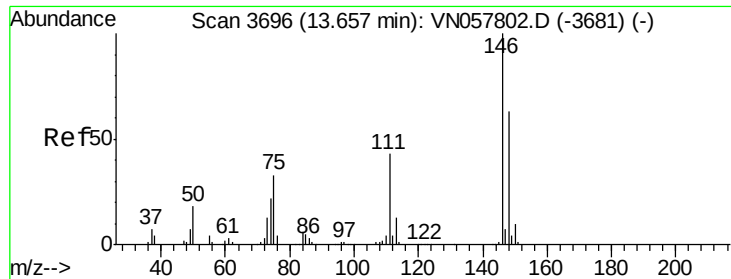
Delta R.T. 0.00 min

Lab File: VN057952.D

Acq: 12 Sep 2019 2:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 153517 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 201       | 72.3  | 37.5  | 112.7  |





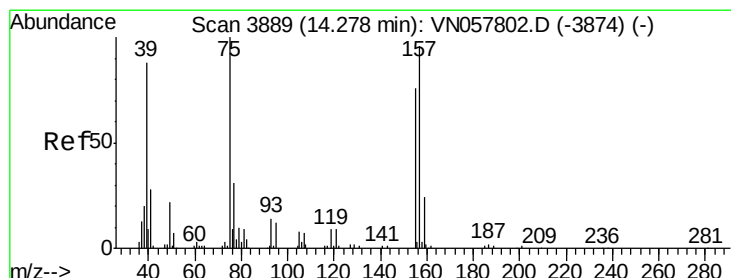
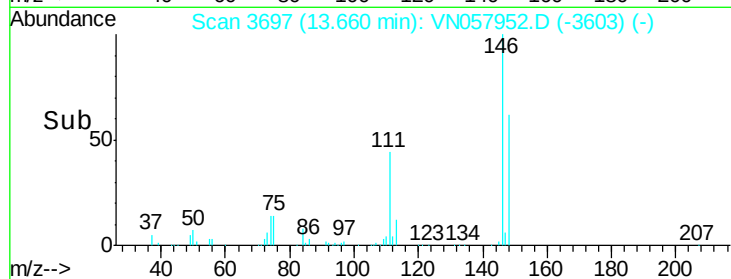
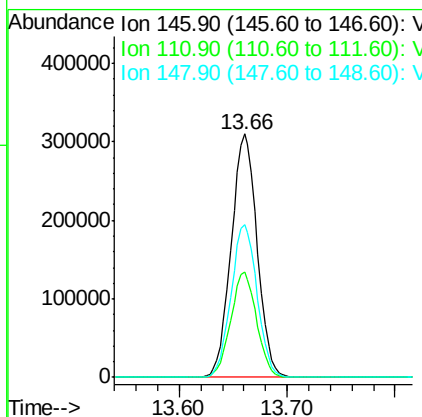
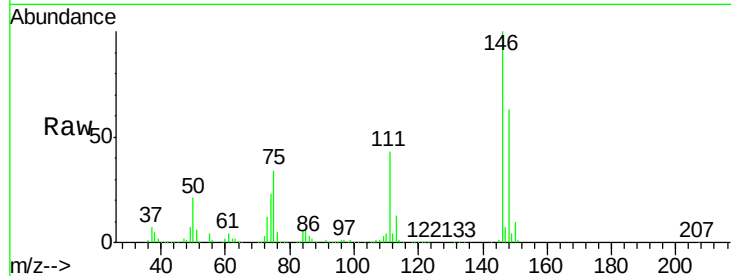
#91  
 1,2-Dichlorobenzene  
 Concen: 48.457 ug/l  
 RT: 13.66 min Scan# 3697  
 Delta R.T. 0.00 min  
 Lab File: VN057952.D  
 Acq: 12 Sep 2019 2:03

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 520530 |       |       |
| 111     | 43.0  |        | 21.3  | 63.9  |
| 148     | 63.0  |        | 31.4  | 94.3  |

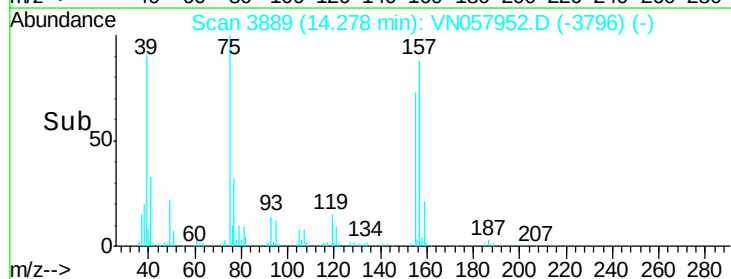
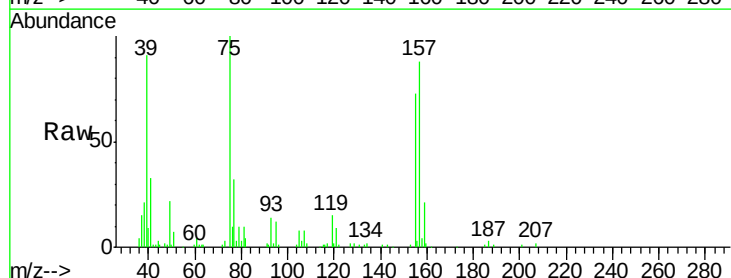
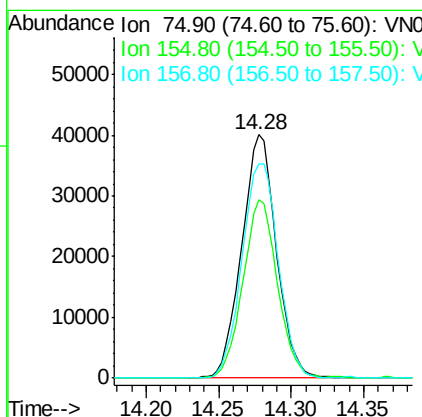
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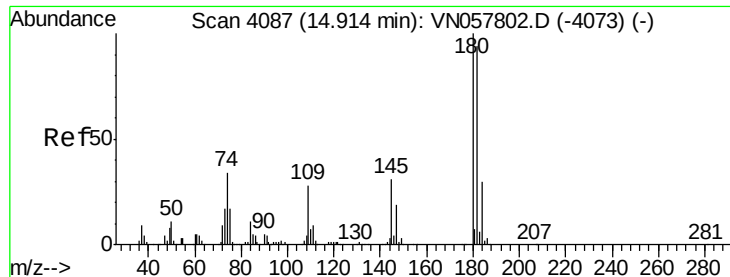
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 51.098 ug/l  
 RT: 14.28 min Scan# 3889  
 Delta R.T. 0.00 min  
 Lab File: VN057952.D  
 Acq: 12 Sep 2019 2:03

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 66757 |       |       |
| 155     | 72.7  |       | 37.3  | 111.8 |
| 157     | 92.5  |       | 47.9  | 143.8 |





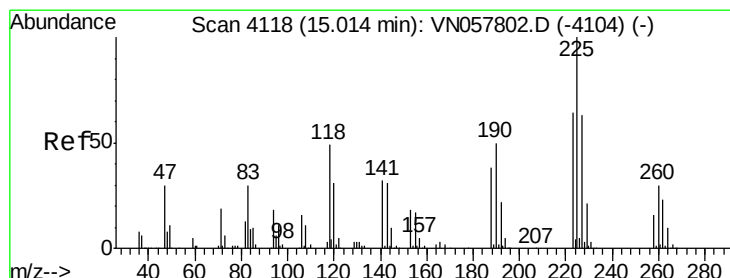
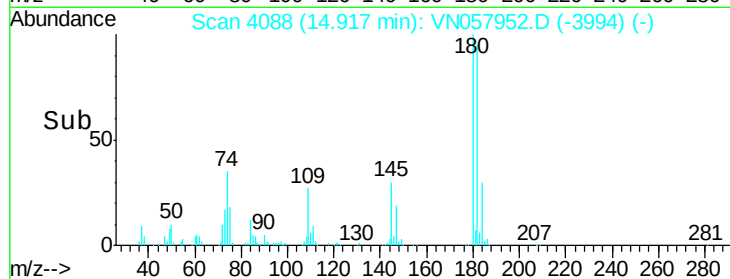
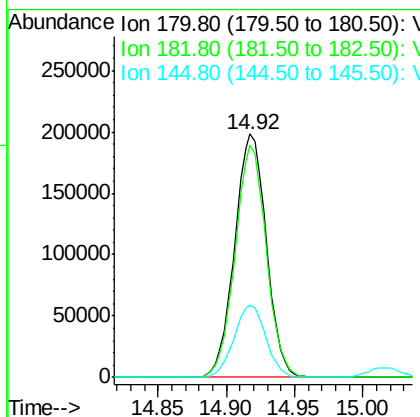
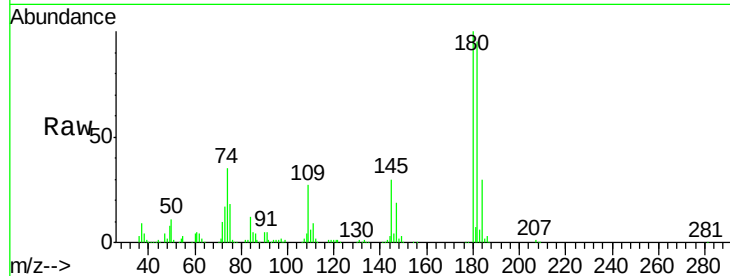
#93  
 1,2,4-Trichlorobenzene  
 Concen: 45.503 ug/l  
 RT: 14.92 min Scan# 4088  
 Delta R.T. 0.00 min  
 Lab File: VN057952.D  
 Acq: 12 Sep 2019 2:03

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 319488 |       |       |
| 182     | 93.7  | 46.9   | 140.8 |       |
| 145     | 29.9  | 14.9   | 44.7  |       |

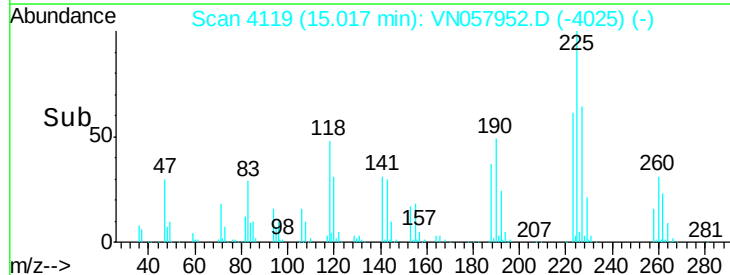
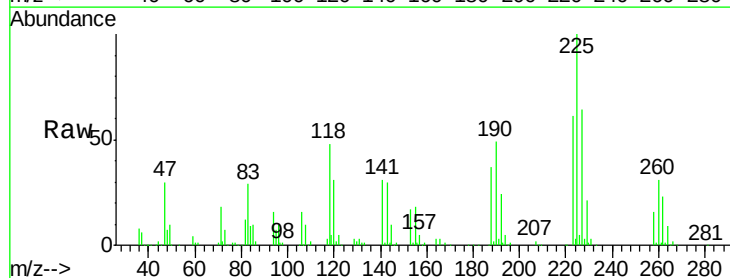
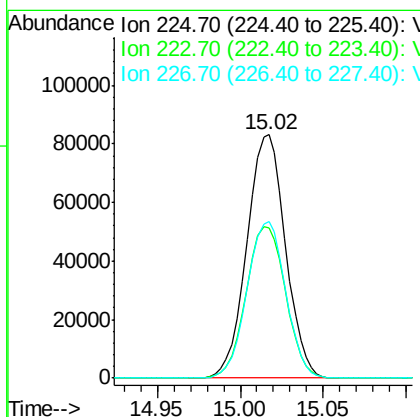
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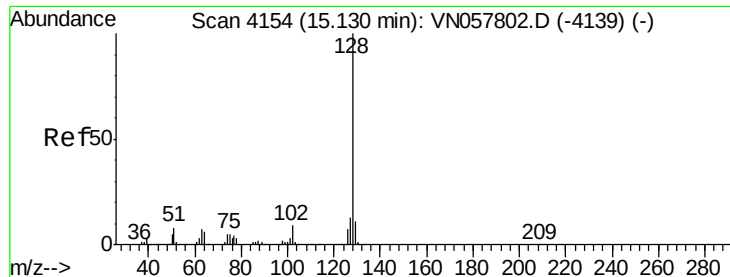
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#94  
 Hexachlorobutadiene  
 Concen: 45.136 ug/l  
 RT: 15.02 min Scan# 4119  
 Delta R.T. 0.00 min  
 Lab File: VN057952.D  
 Acq: 12 Sep 2019 2:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 134338 |       |       |
| 223     | 63.8  | 32.4   | 97.2  |       |
| 227     | 64.6  | 31.8   | 95.4  |       |





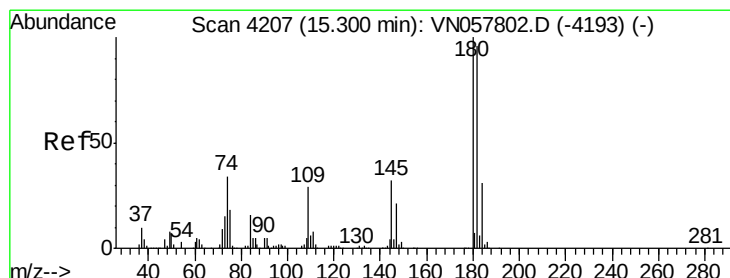
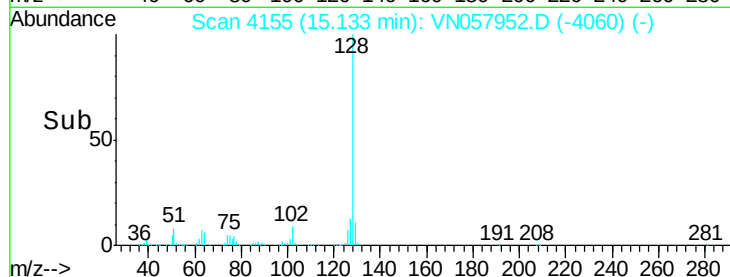
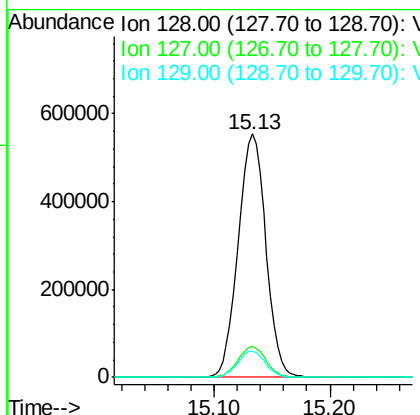
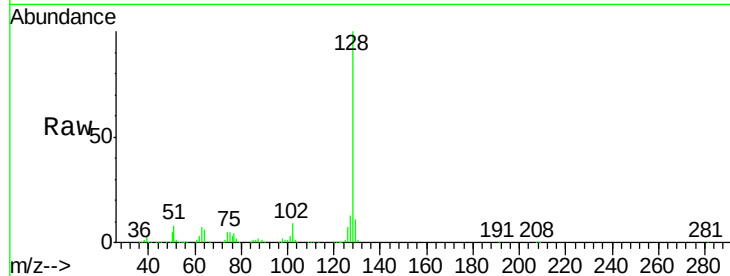
#95  
Naphthalene  
Concen: 51.863 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 918266 |       |       |
| 127     | 12.8  | 10.3   | 15.5  |       |
| 129     | 10.8  | 8.6    | 12.8  |       |

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#96  
1,2,3-Trichlorobenzene  
Concen: 49.698 ug/l  
RT: 15.30 min Scan# 4207  
Delta R.T. 0.00 min  
Lab File: VN057952.D  
Acq: 12 Sep 2019 2:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 304589 |       |       |
| 182     | 95.7  | 48.3   | 144.8 |       |
| 145     | 31.8  | 16.3   | 48.8  |       |

