

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\  
 Data File : VN056271.D  
 Acq On : 13 Jun 2019 00:10  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 6/13/2019 11:09:04 AM

Quant Time: Jun 13 06:45:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N060419W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 04 11:02:09 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 311580   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 431845   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 385063   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 181984   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 145650   | 47.08 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.16%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 138928   | 52.44 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.88% |          |
| 50) Toluene-d8              | 10.09 | 98   | 491654   | 48.22 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.44%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 168788   | 48.68 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.36%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85   | 139821   | 40.912  | ug/l  | 98     |
| 3) Chloromethane              | 2.06 | 50   | 143103   | 42.369  | ug/l  | 99     |
| 4) Vinyl Chloride             | 2.18 | 62   | 146892   | 43.357  | ug/l  | 99     |
| 5) Bromomethane               | 2.53 | 94   | 91216    | 42.621  | ug/l  | 100    |
| 6) Chloroethane               | 2.68 | 64   | 87253    | 44.418  | ug/l  | 99     |
| 7) Trichlorofluoromethane     | 3.00 | 101  | 198108   | 45.804  | ug/l  | 96     |
| 8) Diethyl Ether              | 3.40 | 74   | 77057    | 43.323  | ug/l  | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101  | 124111   | 47.238  | ug/l  | 96     |
| 10) Methyl Iodide             | 3.94 | 142  | 192382   | 46.077  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 4.82 | 59   | 116060   | 215.574 | ug/l  | 98     |
| 12) 1,1-Dichloroethene        | 3.72 | 96   | 120695   | 46.143  | ug/l  | 94     |
| 13) Acrolein                  | 3.60 | 56   | 34529    | 222.378 | ug/l  | 100    |
| 14) Allyl chloride            | 4.31 | 41   | 183970   | 44.542  | ug/l  | 99     |
| 15) Acrylonitrile             | 4.99 | 53   | 350965   | 267.798 | ug/l  | 100    |
| 16) Acetone                   | 3.82 | 43   | 284248   | 192.107 | ug/l  | 99     |
| 17) Carbon Disulfide          | 4.04 | 76   | 262661   | 41.940  | ug/l  | 99     |
| 18) Methyl Acetate            | 4.33 | 43   | 163605   | 56.364  | ug/l  | 98     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73   | 398188   | 47.758  | ug/l  | 99     |
| 20) Methylene Chloride        | 4.54 | 84   | 144347   | 47.352  | ug/l  | 95     |
| 21) trans-1,2-Dichloroethene  | 5.03 | 96   | 128843   | 45.973  | ug/l  | 94     |
| 22) Diisopropyl ether         | 5.96 | 45   | 404392   | 47.364  | ug/l  | 98     |
| 23) Vinyl Acetate             | 5.90 | 43   | 1616997  | 240.495 | ug/l  | 99     |
| 24) 1,1-Dichloroethane        | 5.84 | 63   | 234307   | 47.575  | ug/l  | 98     |
| 25) 2-Butanone                | 6.84 | 43   | 457722   | 244.841 | ug/l  | 100    |
| 26) 2,2-Dichloropropane       | 6.82 | 77   | 127685   | 33.225  | ug/l  | 95     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96   | 157027   | 47.665  | ug/l  | 94     |
| 28) Bromochloromethane        | 7.19 | 49   | 111538   | 47.890  | ug/l  | 91     |
| 29) Tetrahydrofuran           | 7.22 | 42   | 299285   | 258.988 | ug/l  | 99     |
| 30) Chloroform                | 7.37 | 83   | 244573   | 49.365  | ug/l  | 99     |
| 31) Cyclohexane               | 7.65 | 56   | 201501   | 41.046  | ug/l  | 96     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97   | 204196   | 49.356  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75   | 168701   | 45.432  | ug/l  | 98     |
| 37) Ethyl Acetate             | 6.94 | 43   | 176005   | 53.272  | ug/l  | 100    |
| 38) Carbon Tetrachloride      | 7.77 | 117  | 181119   | 52.906  | ug/l  | 96     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 6/13/2019 11:09:04 AM

Quant Time: Jun 13 06:45:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N060419W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 04 11:02:09 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 208565   | 45.089   | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 552401   | 48.980   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.18  | 41   | 83391    | 54.858   | ug/l   | 92       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 176614   | 48.684   | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 269531   | 50.343   | ug/l # | 91       |
| 44) Trichloroethene            | 8.83  | 130  | 164986   | 50.910   | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 145744   | 50.452   | ug/l   | 100      |
| 46) Dibromomethane             | 9.21  | 93   | 99143    | 52.483   | ug/l   | 93       |
| 47) Bromodichloromethane       | 9.40  | 83   | 190004   | 55.496   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 138198   | 52.762   | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 61154    | 1081.474 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 898496   | 268.364  | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 349719   | 49.833   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 178913   | 44.832   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 207755   | 50.483   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 147193   | 52.949   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 215753   | 53.199   | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 234063   | 51.794   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 350844   | 220.084  | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.75 | 43   | 622175   | 256.399  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 165868   | 53.899   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 154027   | 54.199   | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.63 | 164  | 174557   | 52.370   | ug/l   | 97       |
| 65) Chlorobenzene              | 11.43 | 112  | 390360   | 50.937   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 152691   | 57.704   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 657819   | 49.365   | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.62 | 106  | 506486   | 99.496   | ug/l   | 98       |
| 69) o-Xylene                   | 11.95 | 106  | 249296   | 49.786   | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 419031   | 52.669   | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 130399   | 58.220   | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 658886   | 50.834   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 223340   | 46.039   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 203797   | 48.240   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 163877m  | 48.939   | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 188487   | 48.377   | ug/l   | 91       |
| 78) n-propylbenzene            | 12.59 | 91   | 692659   | 44.990   | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 424521   | 49.698   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 540723   | 44.192   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 46186    | 45.932   | ug/l   | 91       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 409522   | 45.466   | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 497315   | 52.521   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 532207   | 45.867   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 618675   | 45.376   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 558708   | 45.787   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 292495   | 48.505   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 277452   | 47.830   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 393552   | 43.538   | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 99218    | 53.917   | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 294221   | 48.326   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 32547    | 53.863   | ug/l   | 85       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N060419W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 04 11:02:09 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 138240   | 41.955 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 121397   | 58.491 | ug/l  | 100      |
| 95) Naphthalene            | 15.13 | 128  | 348958   | 40.853 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 155361   | 45.715 | ug/l  | 97       |

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

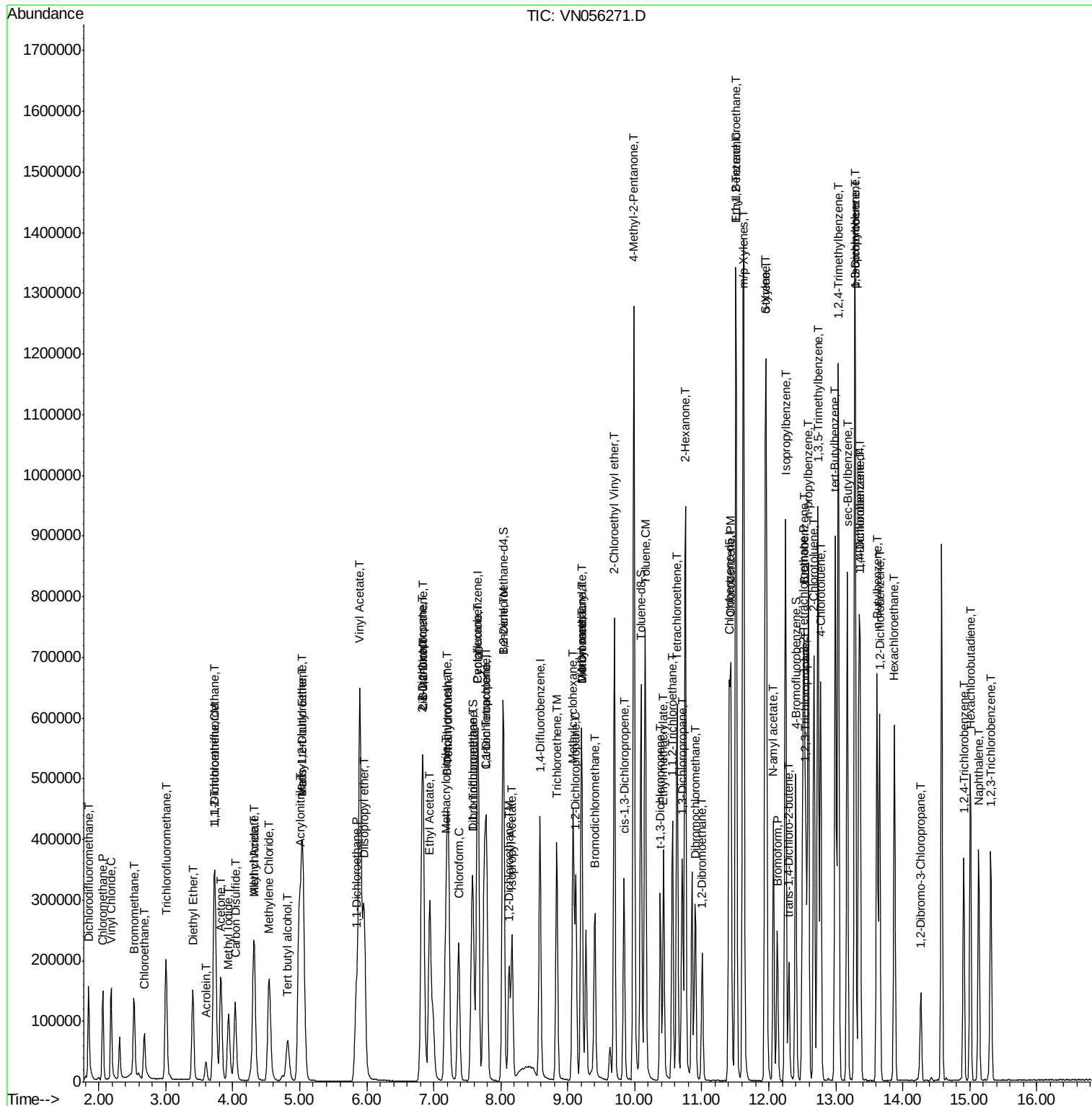
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Data File : VN056271.D  
Acq On : 13 Jun 2019 00:10  
Operator : JC/SP  
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ALS Vial : 38 Sample Multiplier: 1

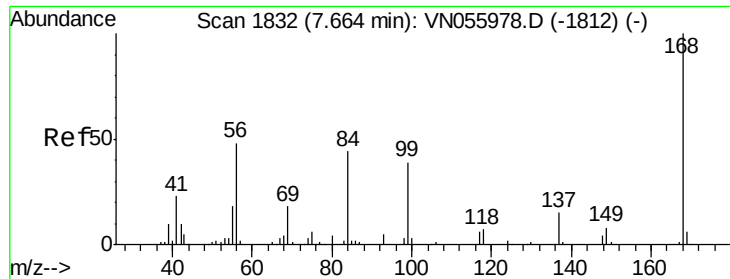
Instrument :  
MSVOA\_N  
Client Sample ID :  
VSTDCCC050EC

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 311580

Ion Ratio Lower Upper

168 100

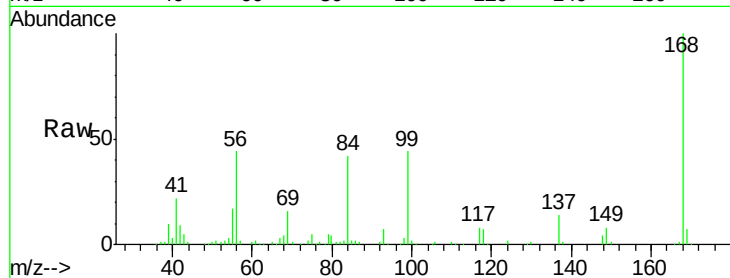
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Manual Integrations

APPROVED

MMDadoda

6/13/2019 11:09:04 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

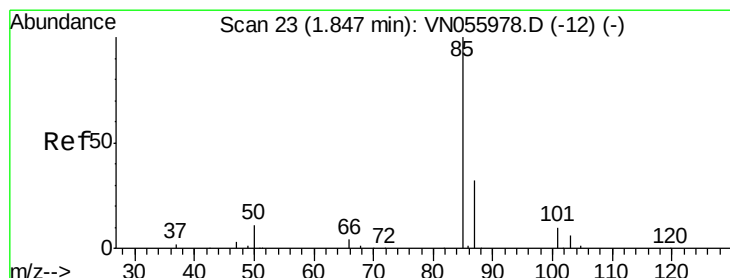
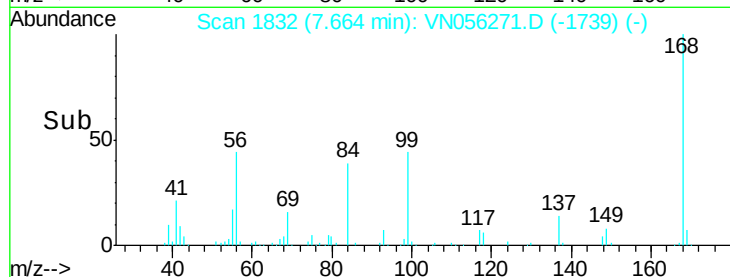
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 40.912 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056271.D

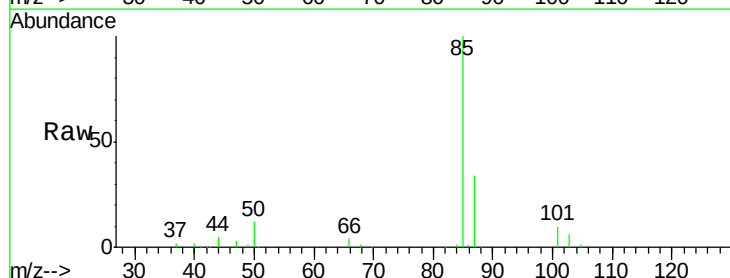
Acq: 13 Jun 2019 00:10

Tgt Ion: 85 Resp: 139821

Ion Ratio Lower Upper

85 100

87 33.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

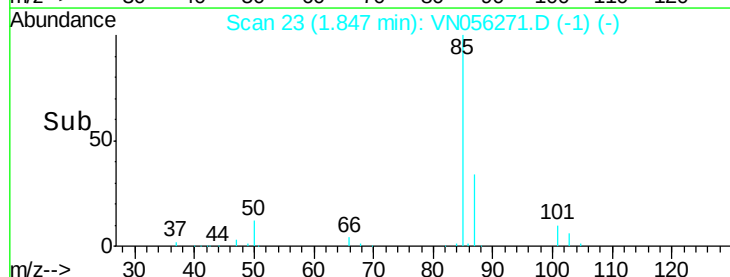
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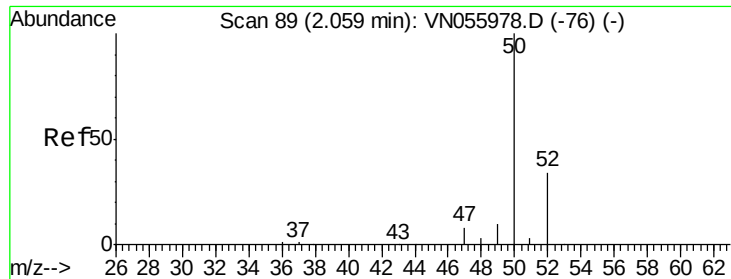
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Time-->





#3

Chloromethane

Concen: 42.369 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 143103

Ion Ratio Lower Upper

50 100

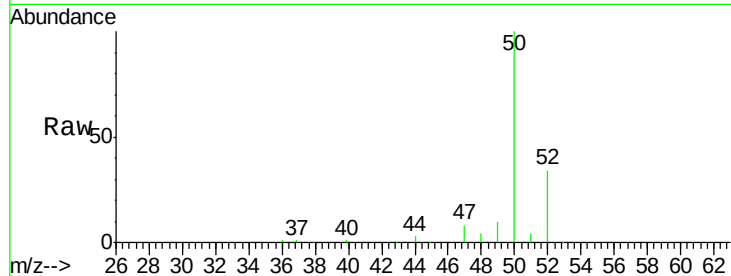
52 33.8 26.6 40.0

Manual Integrations

APPROVED

MMDadoda

6/13/2019 11:09:04 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

100000

80000

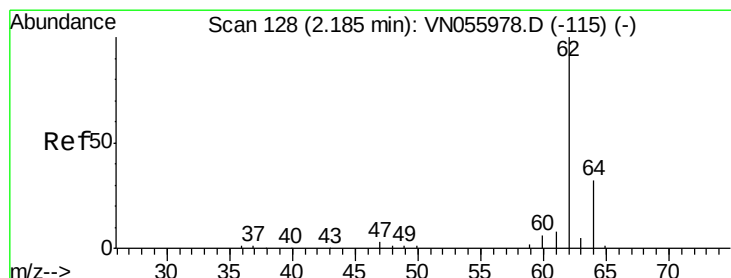
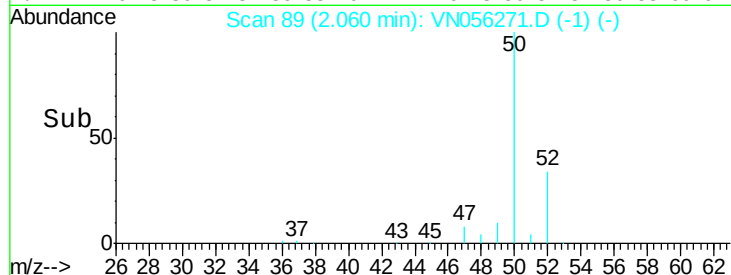
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40000

20000

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Time-->



#4

Vinyl Chloride

Concen: 43.357 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056271.D

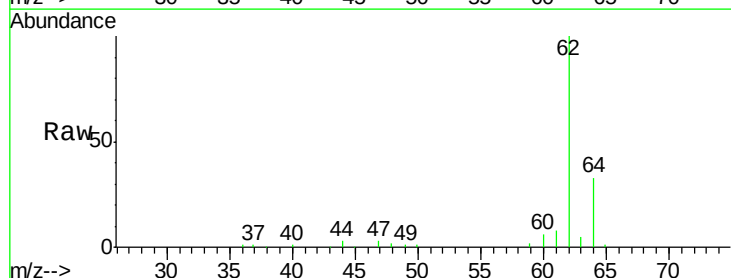
Acq: 13 Jun 2019 00:10

Tgt Ion: 62 Resp: 146892

Ion Ratio Lower Upper

62 100

64 32.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

100000

80000

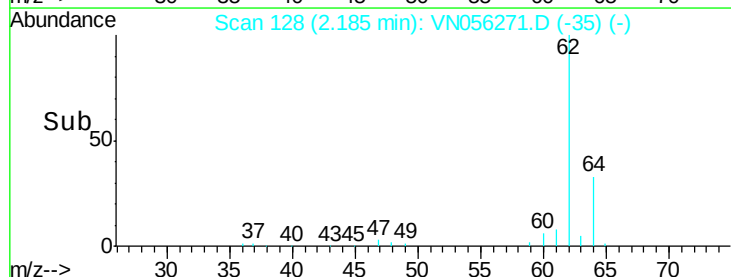
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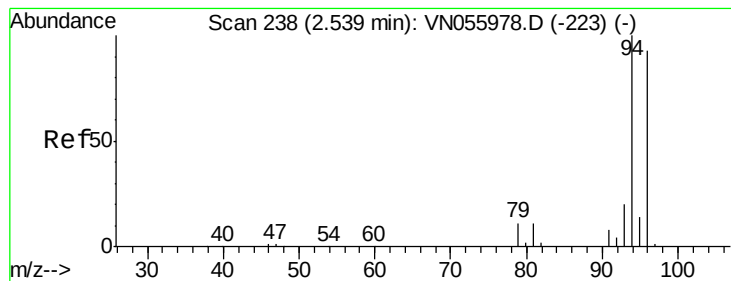
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Time-->





#5

Bromomethane

Concen: 42.621 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 91216

Ion Ratio Lower Upper

94 100

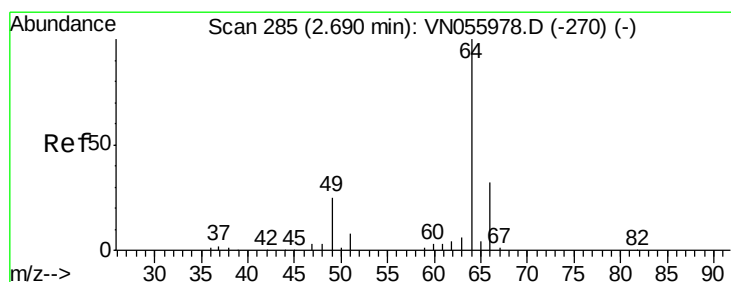
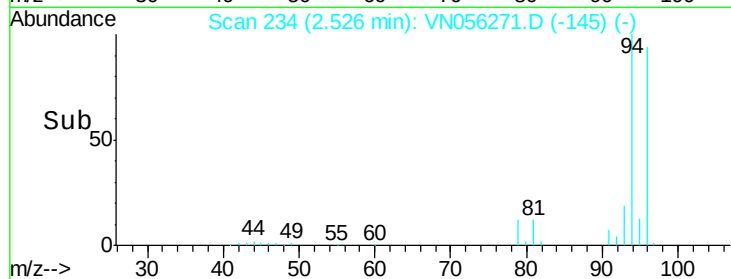
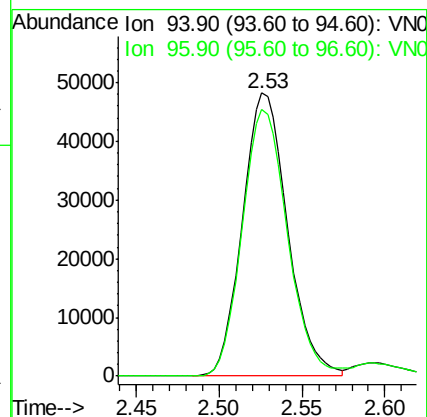
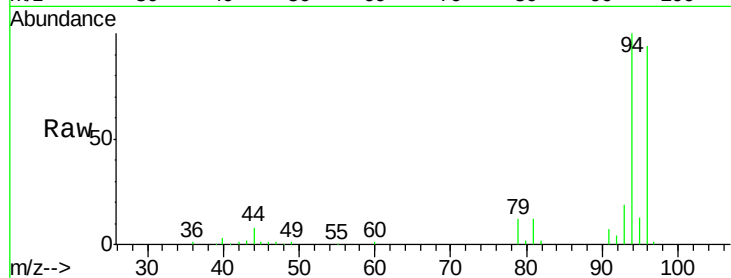
96 94.1 75.5 113.3

Manual Integrations

APPROVED

MMDadoda

6/13/2019 11:09:04 AM



#6

Chloroethane

Concen: 44.418 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN056271.D

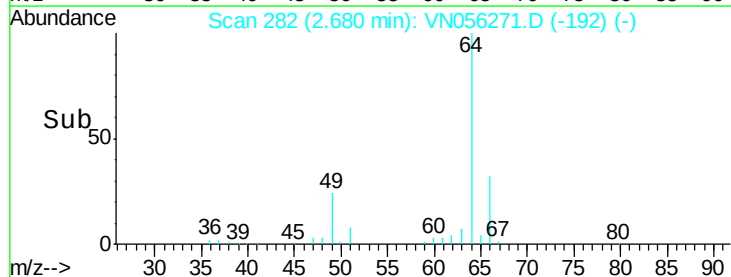
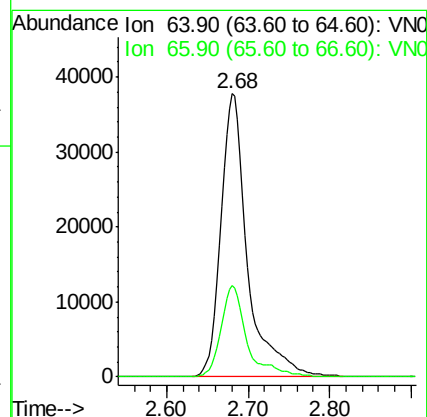
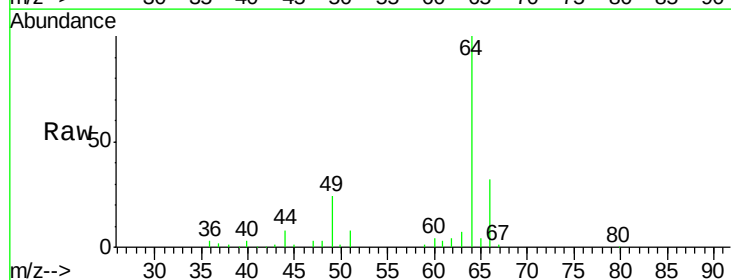
Acq: 13 Jun 2019 00:10

Tgt Ion: 64 Resp: 87253

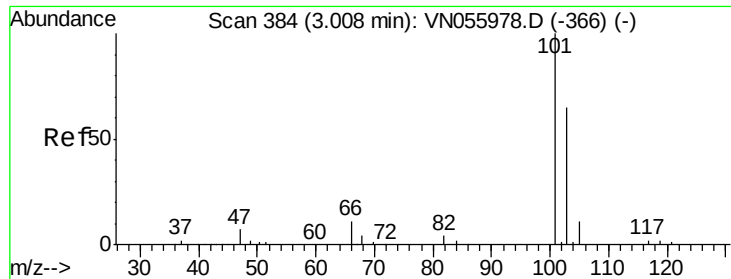
Ion Ratio Lower Upper

64 100

66 32.2 25.4 38.0







#7

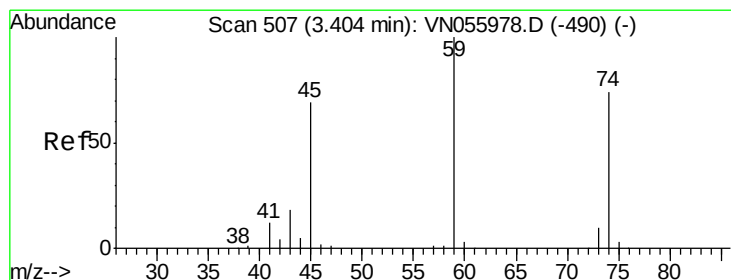
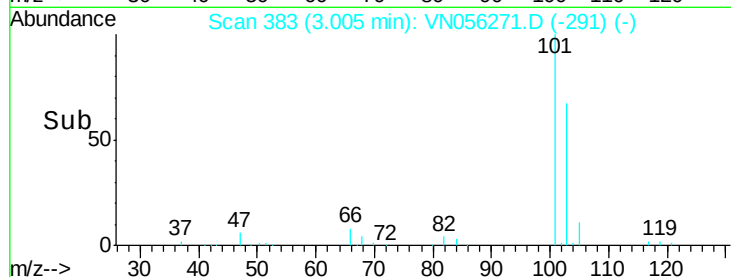
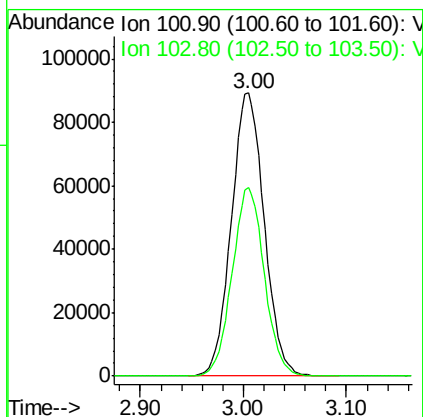
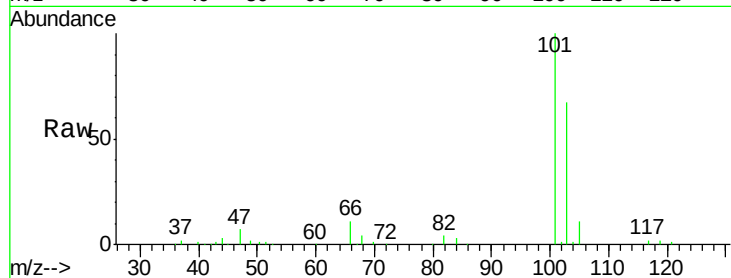
Trichlorofluoromethane  
Concen: 45.804 ug/l  
RT: 3.00 min Scan# 383  
Delta R.T. -0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:101 Resp: 198108  
Ion Ratio Lower Upper  
101 100  
103 66.7 51.2 76.8

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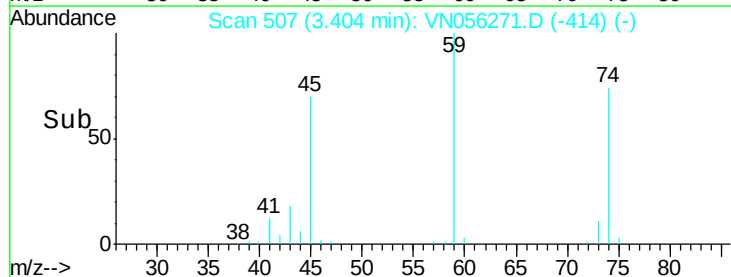
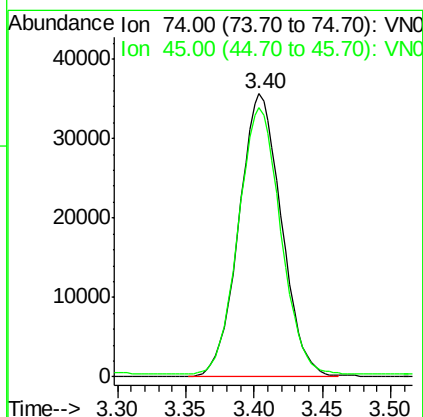
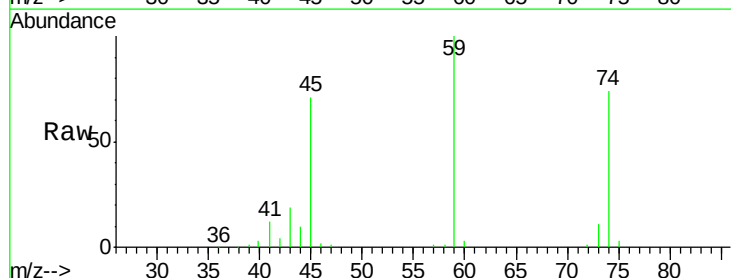
MMDadoda  
6/13/2019 11:09:04 AM



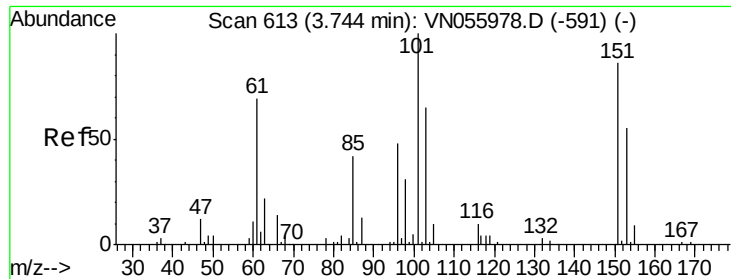
#8

Diethyl Ether  
Concen: 43.323 ug/l  
RT: 3.40 min Scan# 507  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Tgt Ion: 74 Resp: 77057  
Ion Ratio Lower Upper  
74 100  
45 93.5 48.6 145.9







#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.238 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

Instrument :

MSVOA\_N

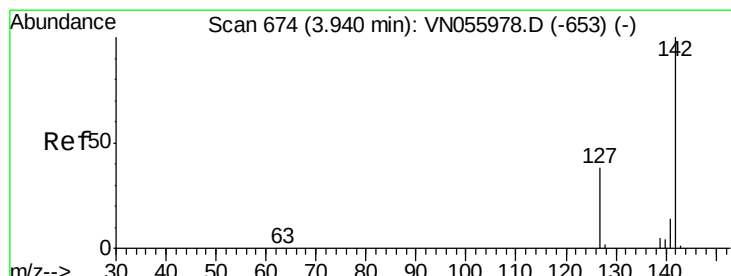
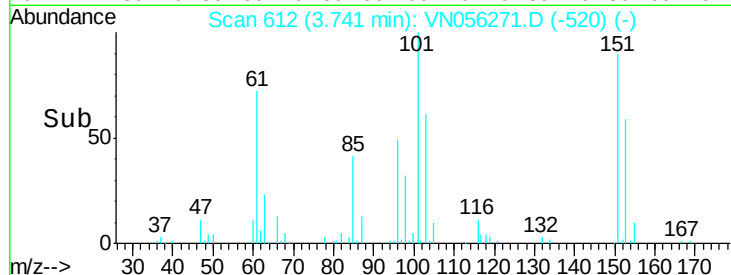
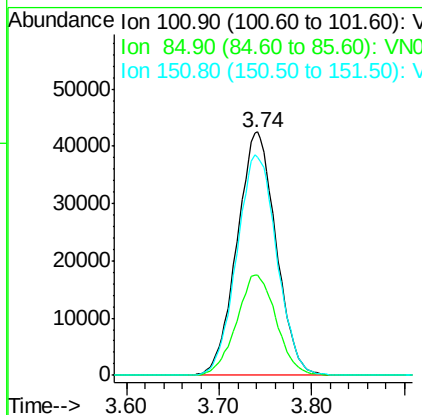
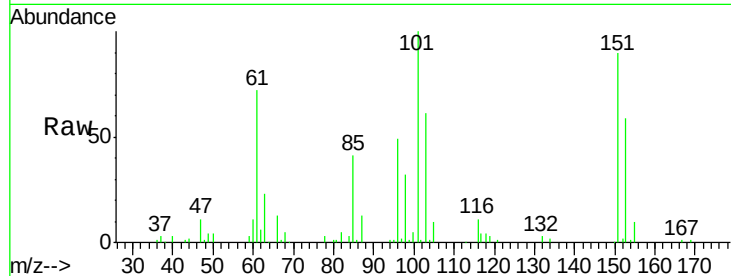
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 124111 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.8  | 33.4  | 50.2   |
| 151       | 92.8  | 69.4  | 104.2  |

Manual Integrations  
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6/13/2019 11:09:04 AM



#10

Methyl Iodide

Concen: 46.077 ug/l

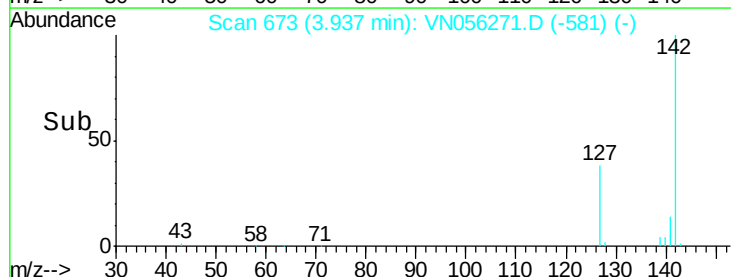
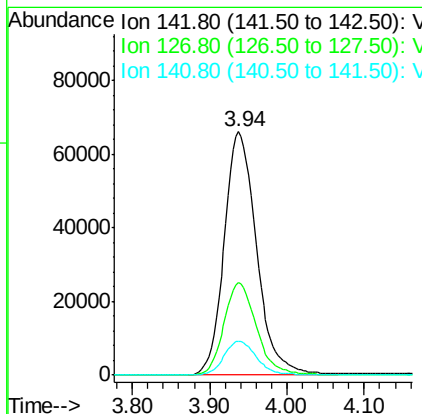
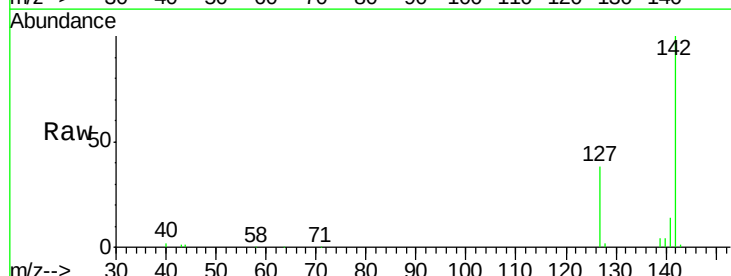
RT: 3.94 min Scan# 673

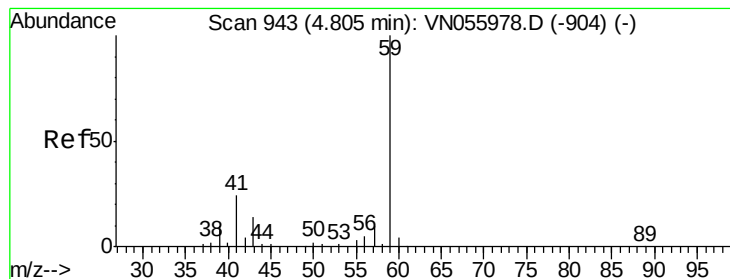
Delta R.T. -0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 192382 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 38.3  | 31.0  | 46.4   |
| 141       | 14.0  | 11.4  | 17.0   |





#11

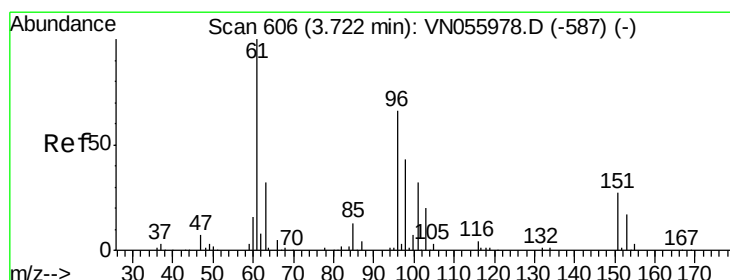
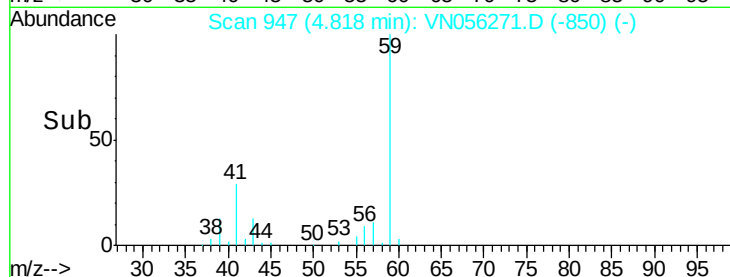
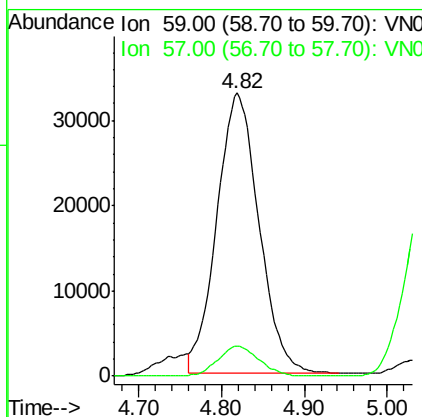
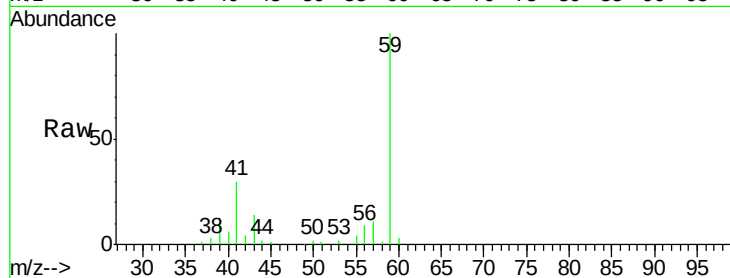
Tert butyl alcohol  
Concen: 215.574 ug/l  
RT: 4.82 min Scan# 947  
Delta R.T. 0.01 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 59   | Resp  | 116060 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 57        | 10.4 | 7.8   | 11.6   |

Manual Integrations  
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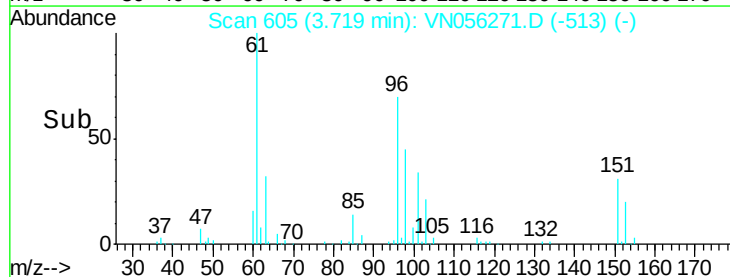
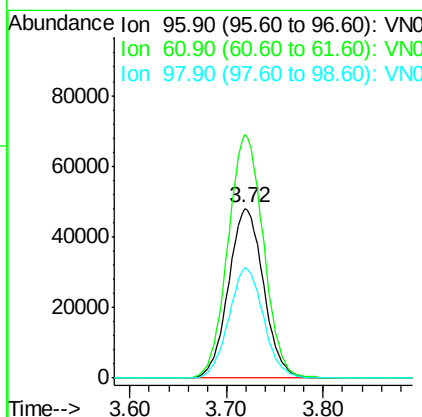
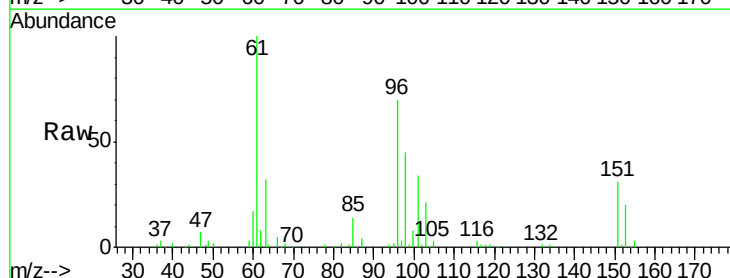
MMDadoda  
6/13/2019 11:09:04 AM

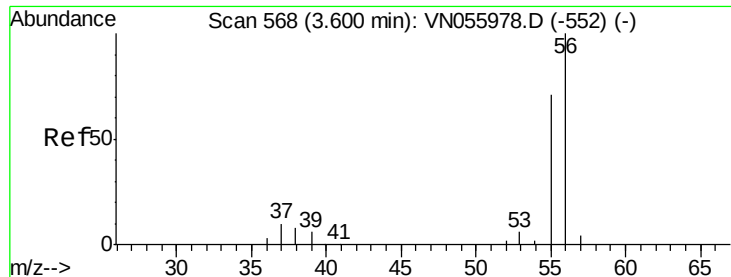


#12

1,1-Dichloroethene  
Concen: 46.143 ug/l  
RT: 3.72 min Scan# 605  
Delta R.T. -0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

| Tgt Ion   | 96    | Resp  | 120695 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 143.5 | 123.2 | 184.8  |
| 98        | 64.8  | 50.4  | 75.6   |





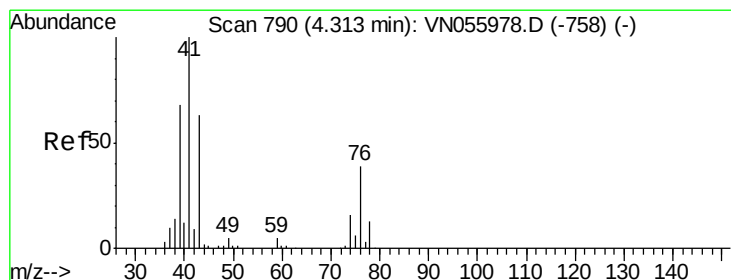
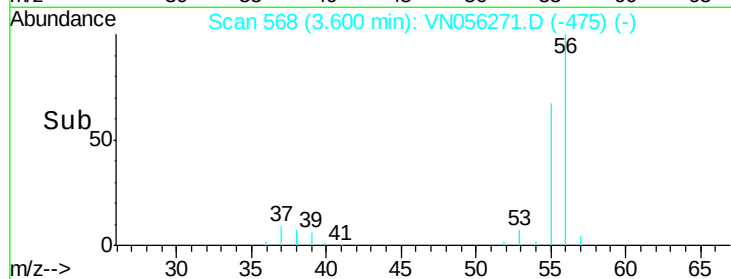
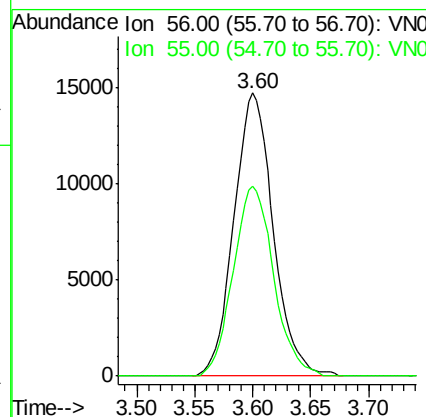
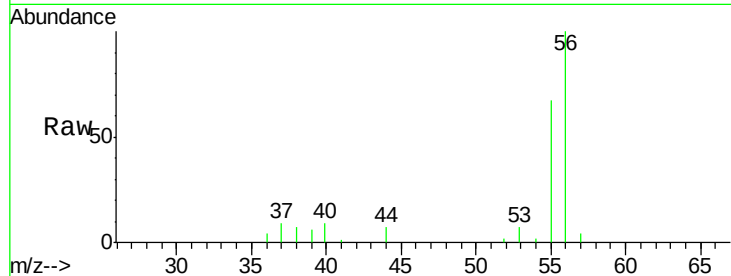
#13  
Acrolein  
Concen: 222.378 ug/l  
RT: 3.60 min Scan# 568  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 69.1  | 55.4  | 83.2  |

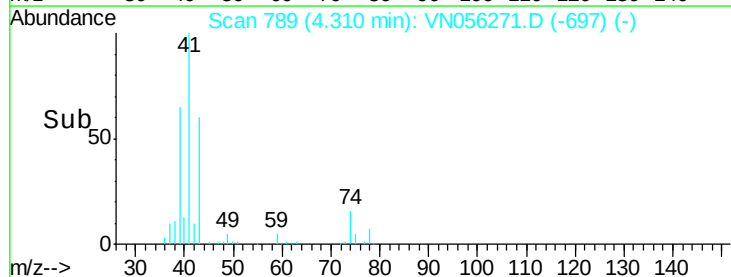
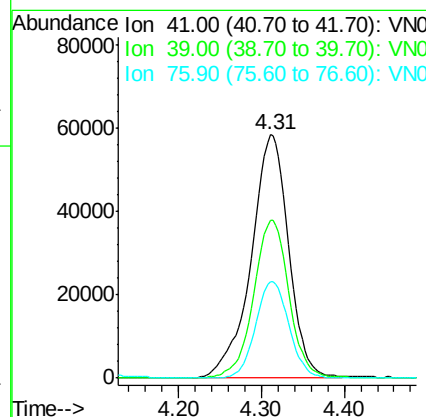
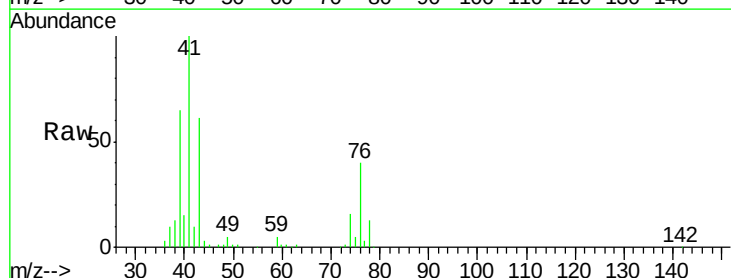
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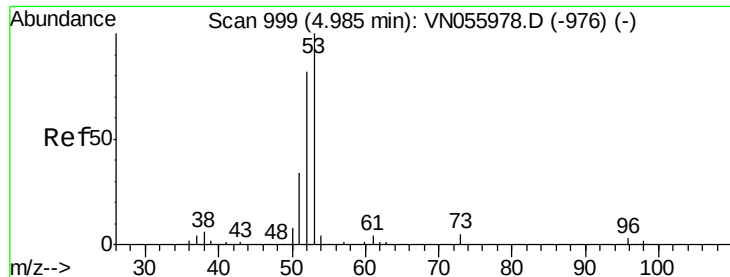
MMDadoda  
6/13/2019 11:09:04 AM



#14  
Allyl chloride  
Concen: 44.542 ug/l  
RT: 4.31 min Scan# 789  
Delta R.T. -0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 61.3  | 50.0  | 75.0  |
| 76      | 35.2  | 28.2  | 42.2  |





#15

Acrylonitrile

Concen: 267.798 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

Instrument :

MSVOA\_N

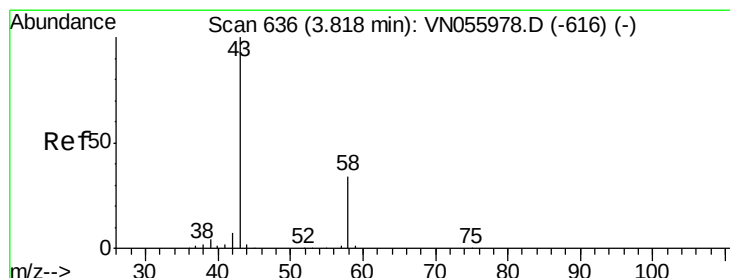
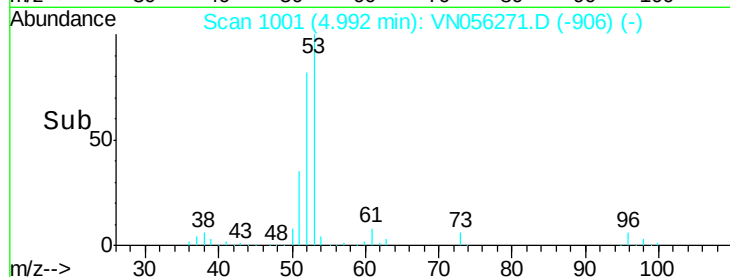
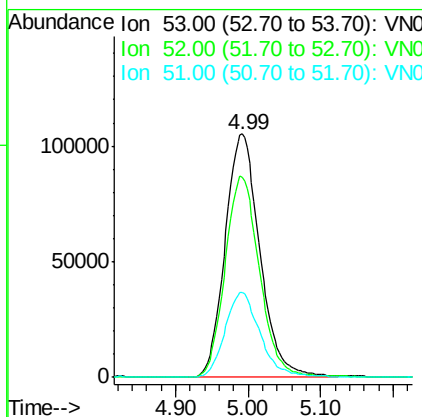
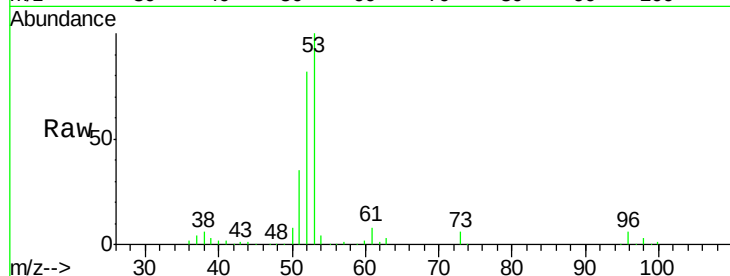
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 350965 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 81.8  | 65.8  | 98.8   |
| 51        | 35.3  | 28.2  | 42.4   |

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#16

Acetone

Concen: 192.107 ug/l

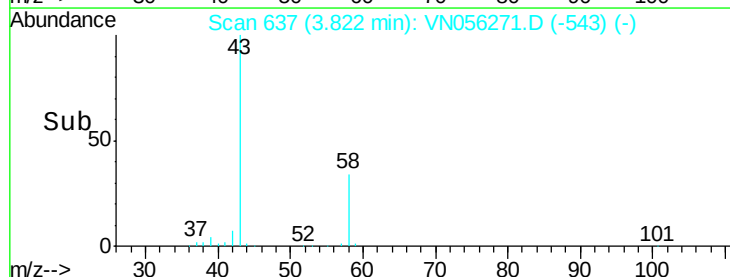
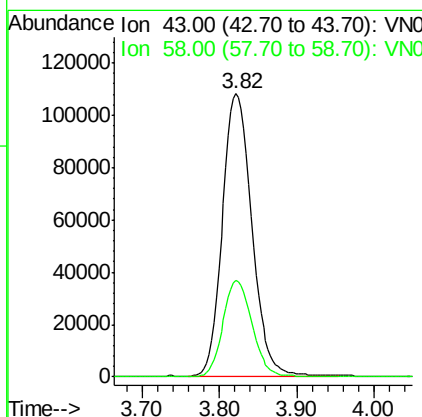
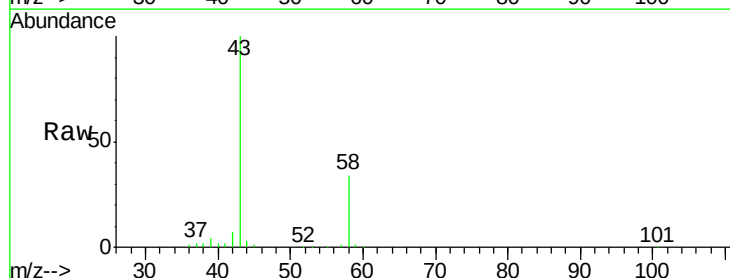
RT: 3.82 min Scan# 637

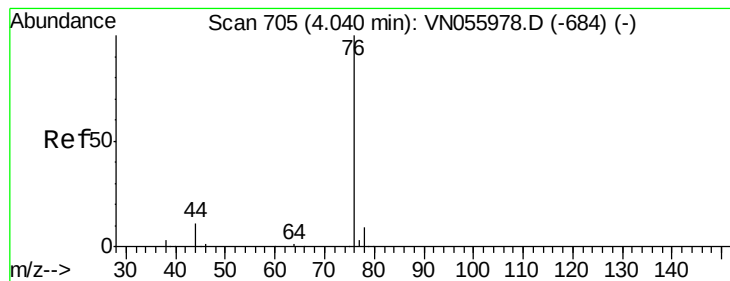
Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 284248 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 34.0  | 26.6  | 39.8   |





#17

Carbon Disulfide

Concen: 41.940 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 262661

Ion Ratio Lower Upper

76 100

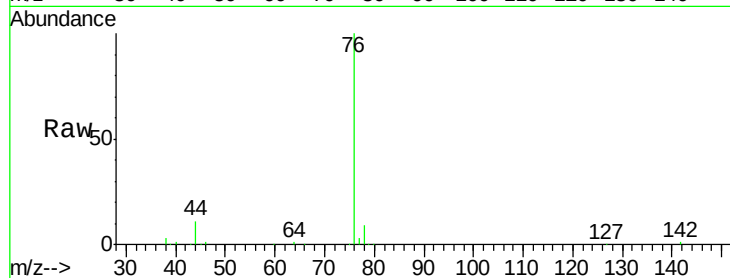
78 8.9 7.4 11.2

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.04

100000

80000

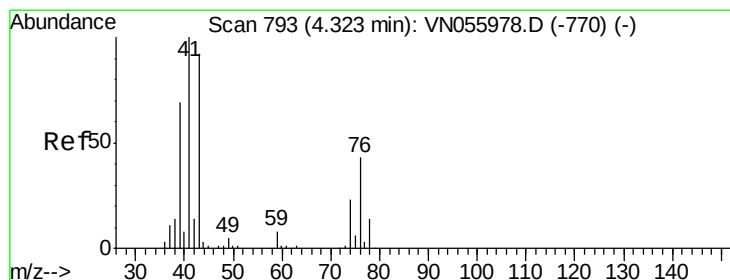
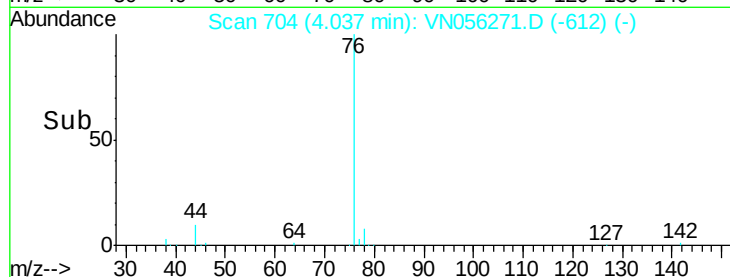
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 56.364 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN056271.D

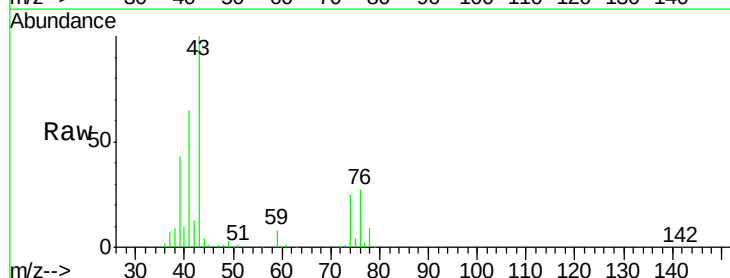
Acq: 13 Jun 2019 00:10

Tgt Ion: 43 Resp: 163605

Ion Ratio Lower Upper

43 100

74 25.0 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.33

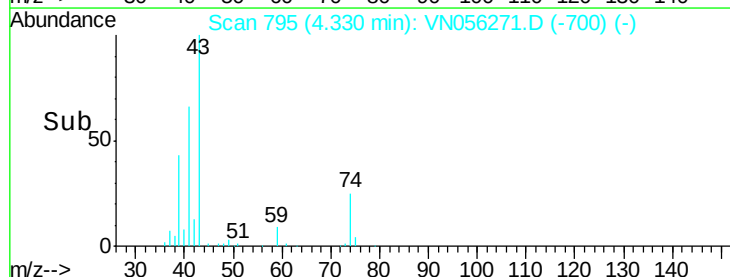
60000

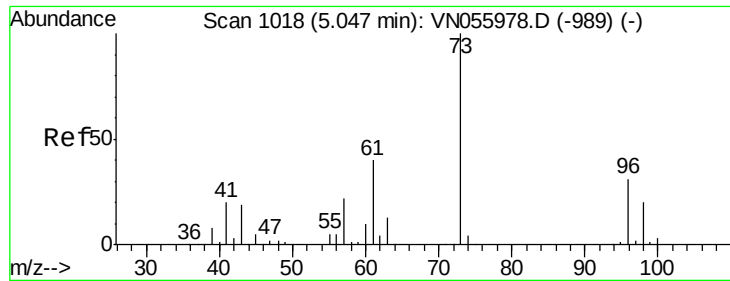
40000

20000

0

Time-->





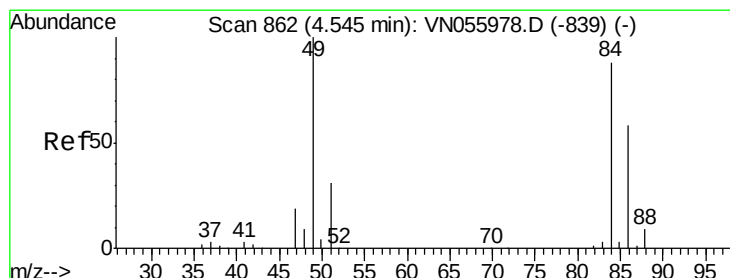
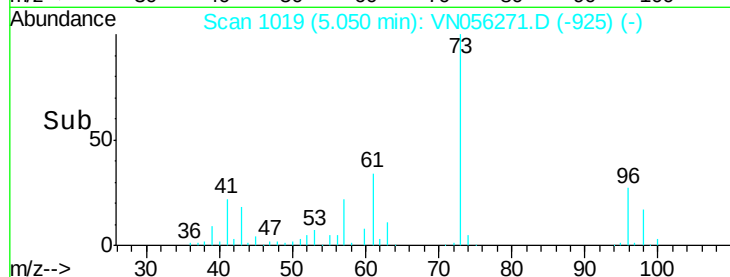
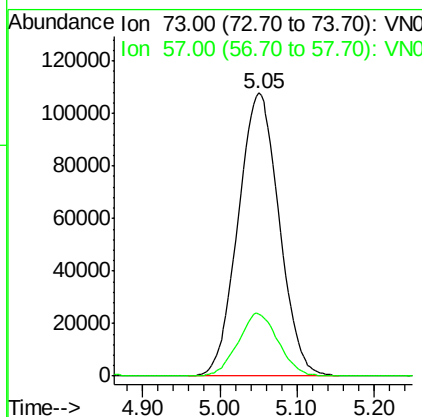
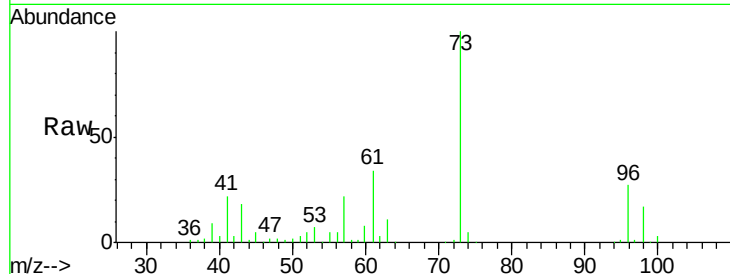
#19  
Methyl tert-butyl Ether  
Concen: 47.758 ug/l  
RT: 5.05 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 398188  
Ion Ratio Lower Upper  
73 100  
57 21.9 17.8 26.8

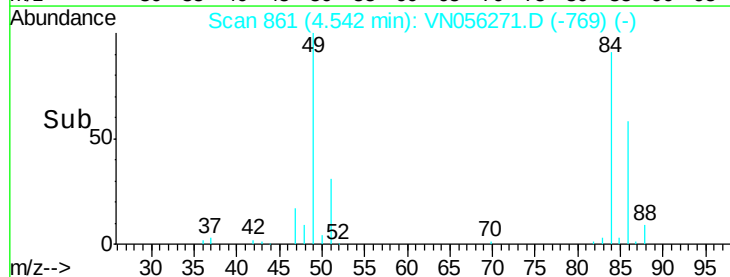
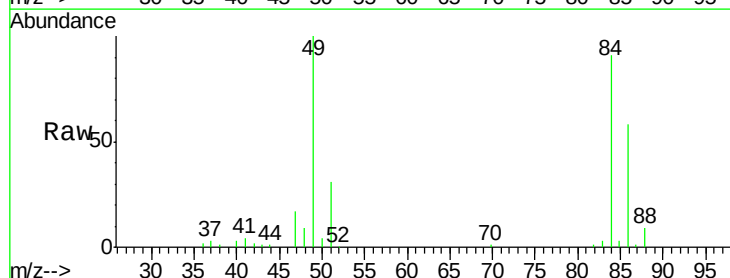
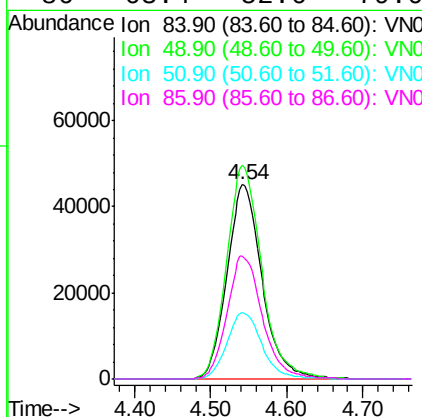
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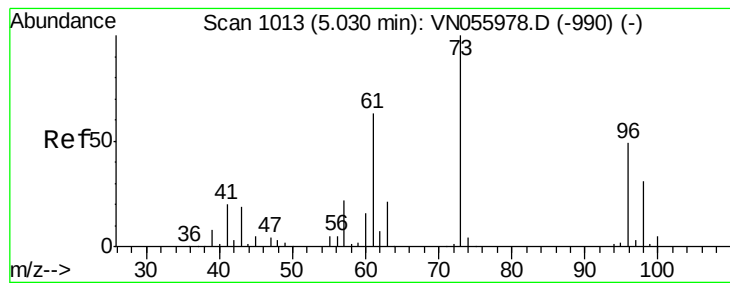
MMDadoda  
6/13/2019 11:09:04 AM



#20  
Methylene Chloride  
Concen: 47.352 ug/l  
RT: 4.54 min Scan# 861  
Delta R.T. -0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Tgt Ion: 84 Resp: 144347  
Ion Ratio Lower Upper  
84 100  
49 109.8 93.5 140.3  
51 33.9 28.6 43.0  
86 63.4 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 45.973 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 128843

Ion Ratio Lower Upper

96 100

61 125.5 107.8 161.8

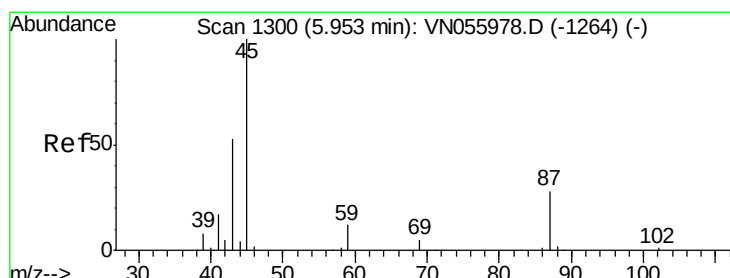
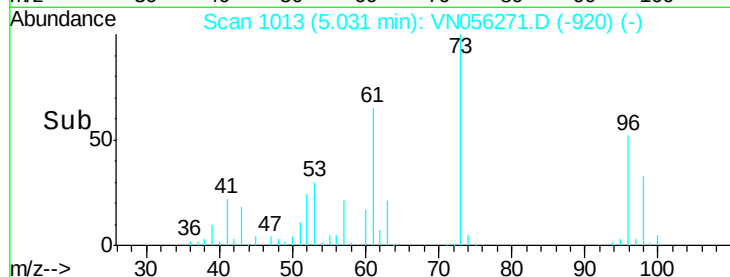
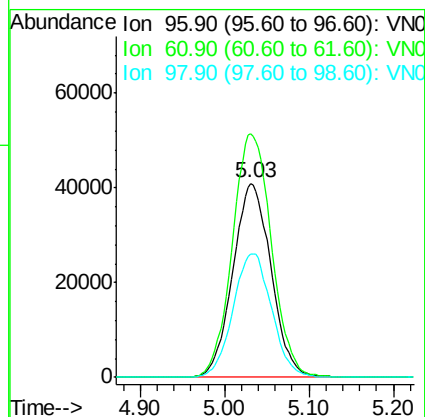
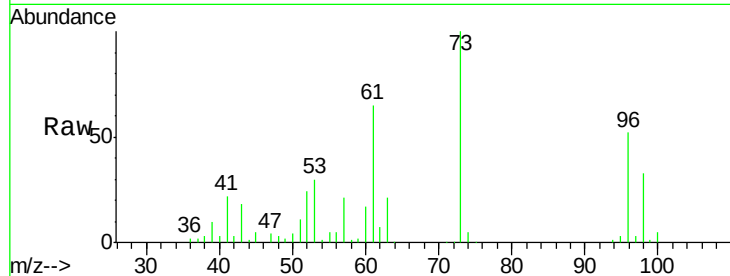
98 63.3 49.8 74.8

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#22

Diisopropyl ether

Concen: 47.364 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

Tgt Ion: 45 Resp: 404392

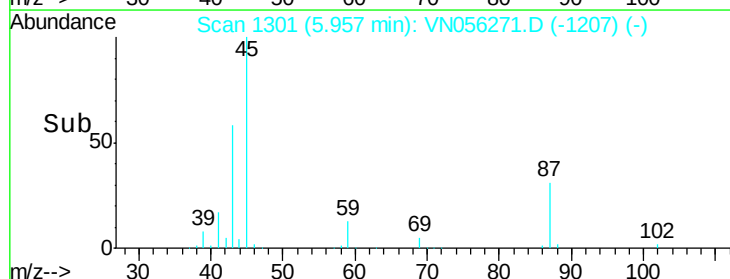
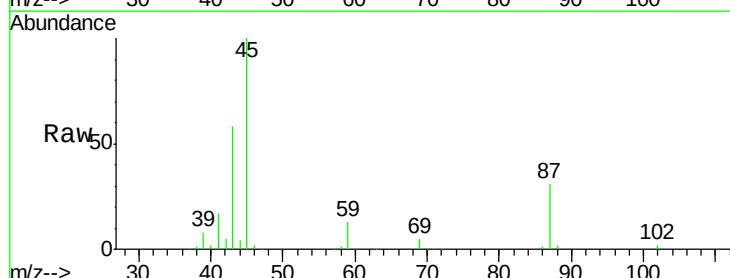
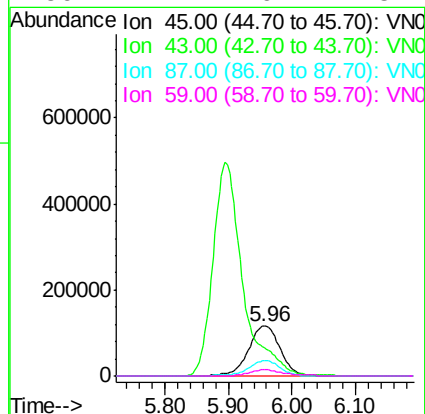
Ion Ratio Lower Upper

45 100

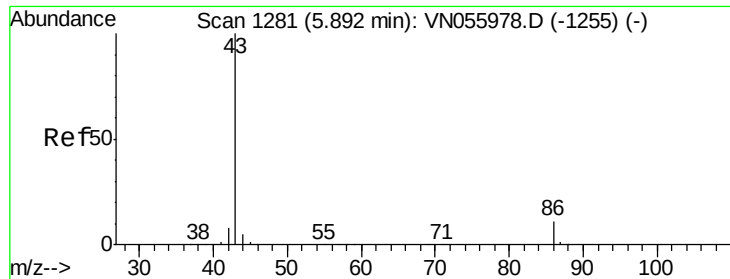
43 56.4 45.0 67.6

87 30.4 22.2 33.4

59 12.4 9.1 13.7







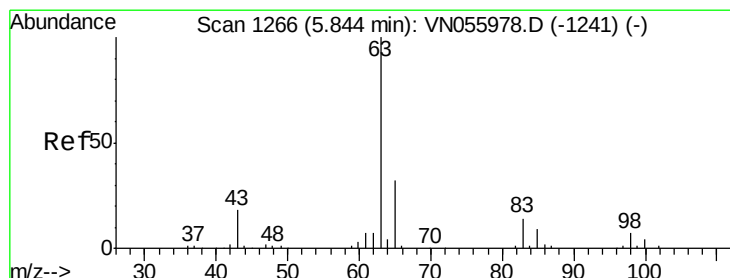
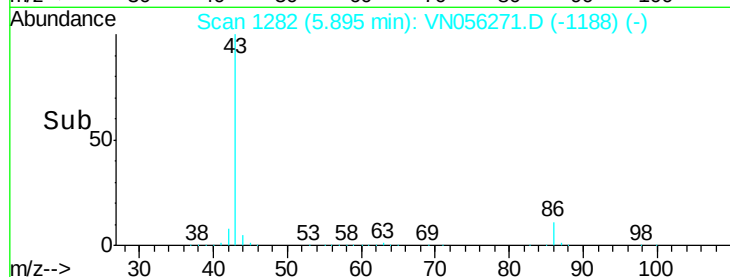
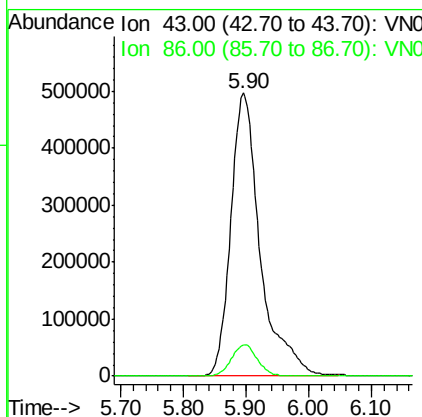
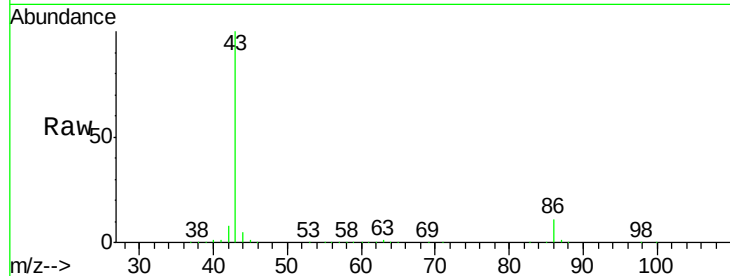
#23  
 Vinyl Acetate  
 Concen: 240.495 ug/l  
 RT: 5.90 min Scan# 1282  
 Delta R.T. 0.00 min  
 Lab File: VN056271.D  
 Acq: 13 Jun 2019 00:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 43 Resp: 1616997  
 Ion Ratio Lower Upper  
 43 100  
 86 11.1 8.6 13.0

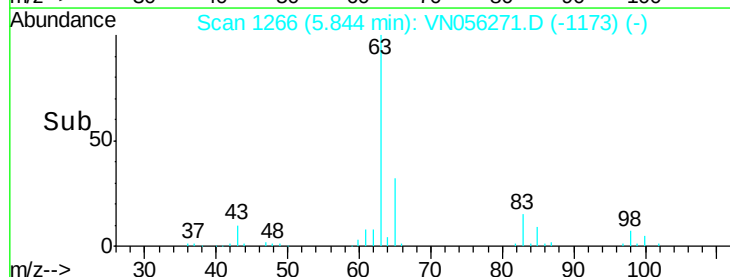
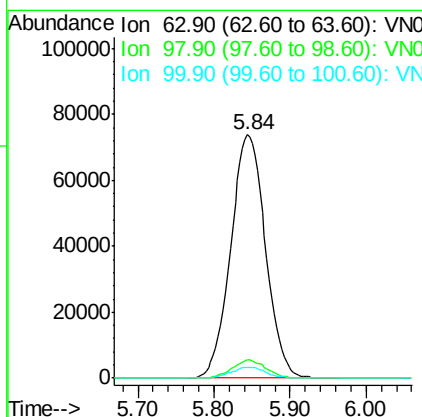
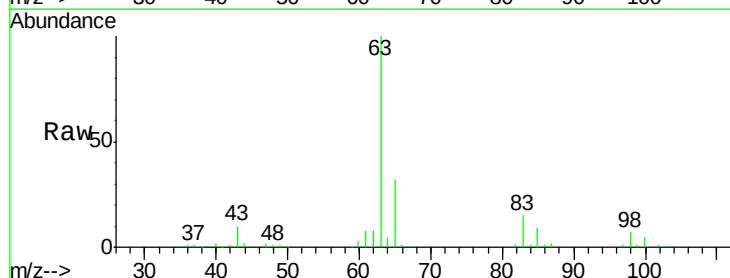
Manual Integrations  
 APPROVED

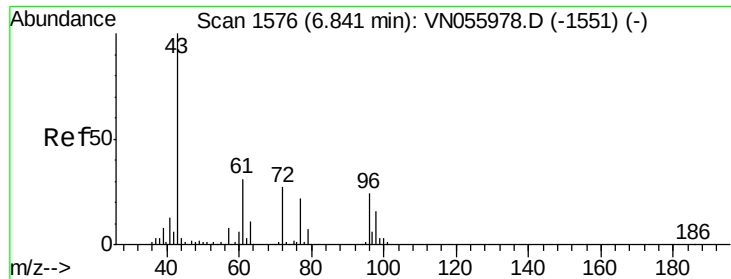
MMDadoda  
 6/13/2019 11:09:04 AM



#24  
 1,1-Dichloroethane  
 Concen: 47.575 ug/l  
 RT: 5.84 min Scan# 1266  
 Delta R.T. 0.00 min  
 Lab File: VN056271.D  
 Acq: 13 Jun 2019 00:10

Tgt Ion: 63 Resp: 234307  
 Ion Ratio Lower Upper  
 63 100  
 98 7.4 3.4 10.1  
 100 4.6 2.2 6.6





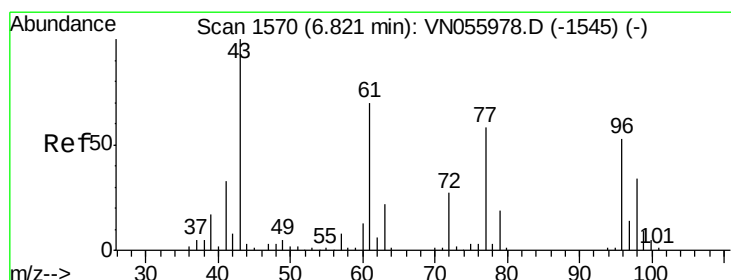
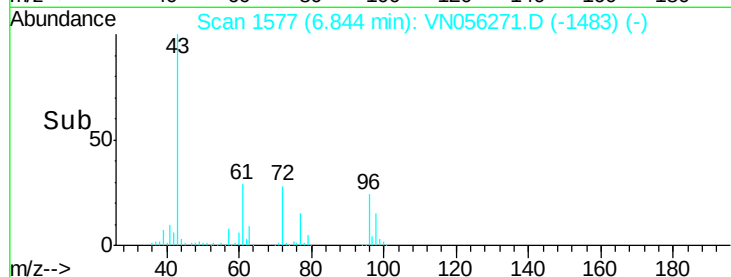
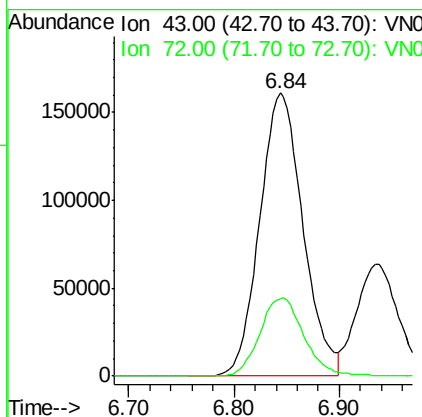
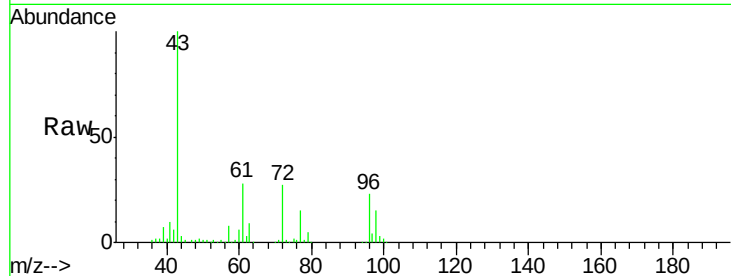
#25  
2-Butanone  
Concen: 244.841 ug/l  
RT: 6.84 min Scan# 1577  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 457722  
Ion Ratio Lower Upper  
43 100  
72 27.5 21.9 32.9

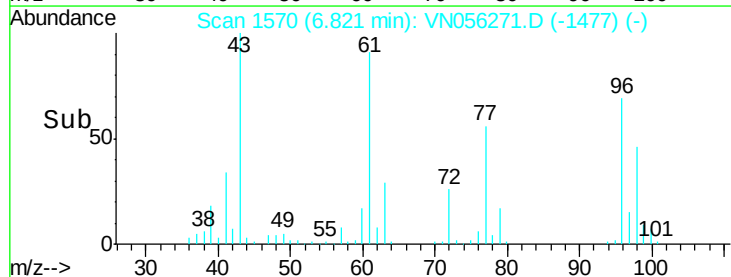
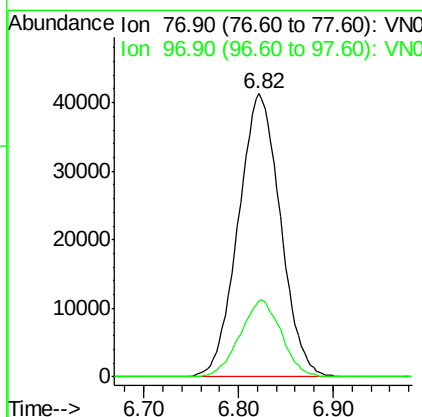
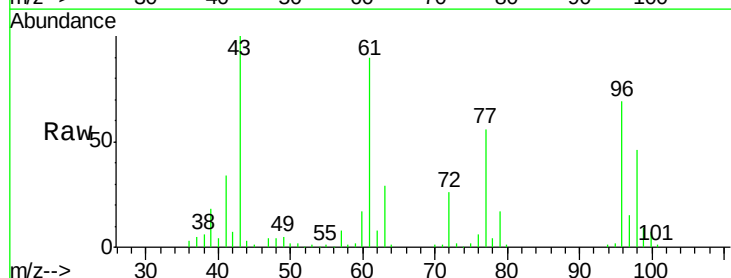
Manual Integrations  
APPROVED

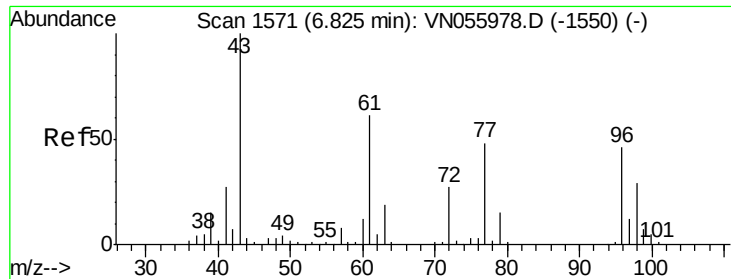
MMDadoda  
6/13/2019 11:09:04 AM



#26  
2,2-Dichloropropane  
Concen: 33.225 ug/l  
RT: 6.82 min Scan# 1570  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Tgt Ion: 77 Resp: 127685  
Ion Ratio Lower Upper  
77 100  
97 26.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 47.665 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

Instrument :

MSVOA\_N

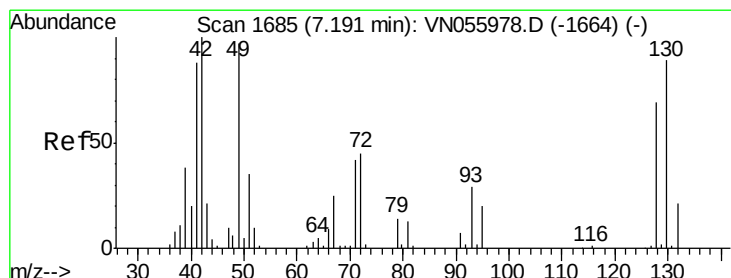
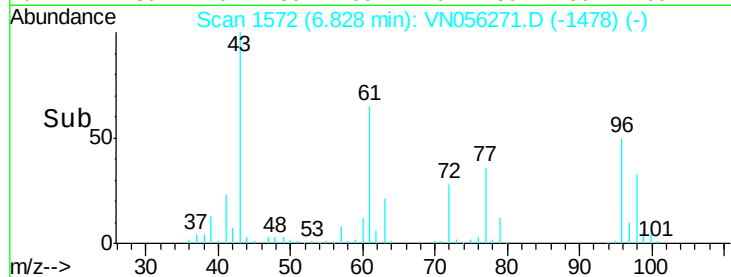
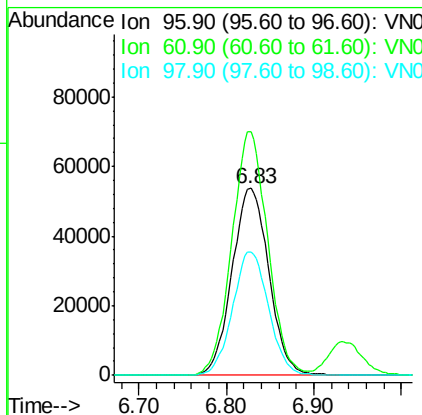
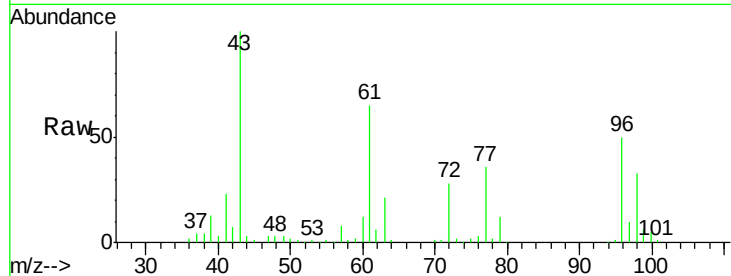
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 157027 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 127.0 | 0.0   | 275.8  |
| 98       | 64.6  | 0.0   | 128.4  |

Manual Integrations  
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6/13/2019 11:09:04 AM



#28

Bromochloromethane

Concen: 47.890 ug/l

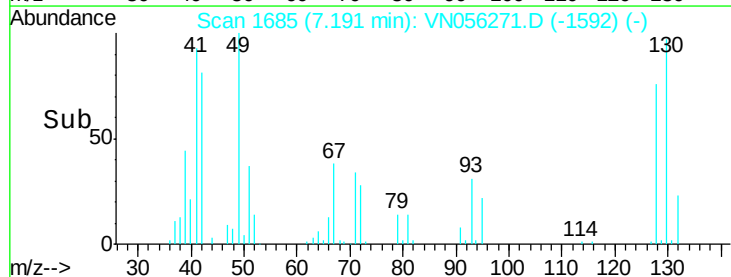
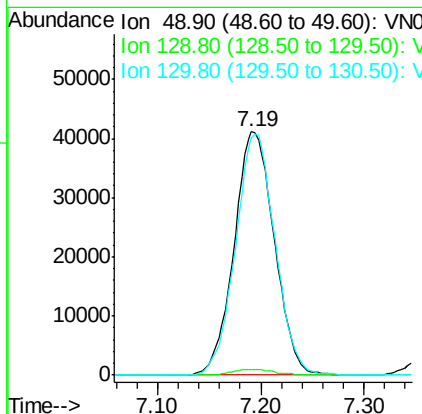
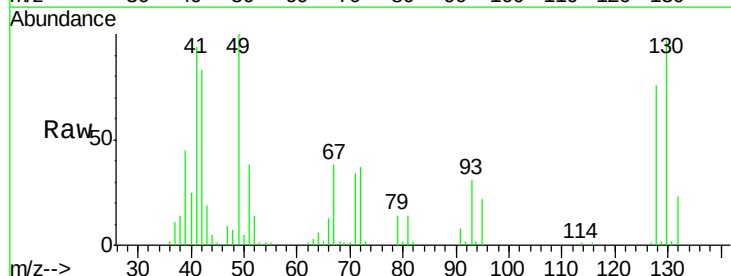
RT: 7.19 min Scan# 1685

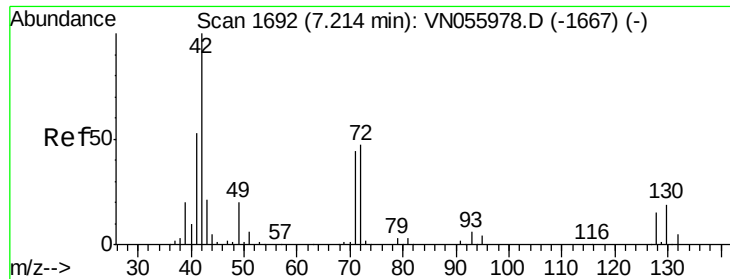
Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 111538 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 2.4   | 0.0   | 4.4    |
| 130      | 97.7  | 71.2  | 106.8  |





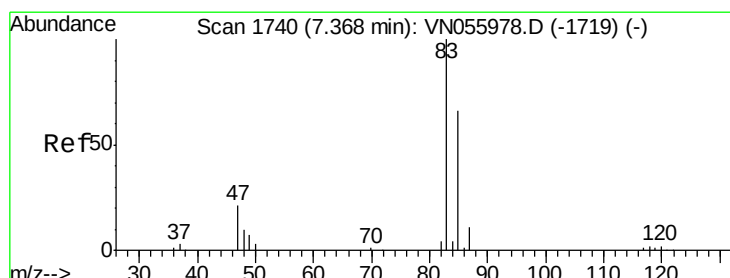
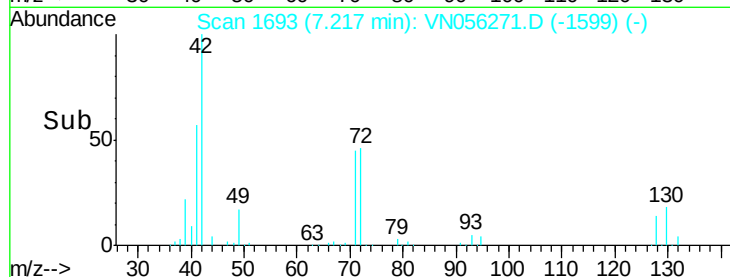
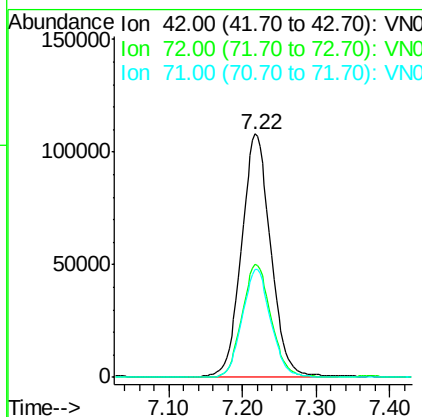
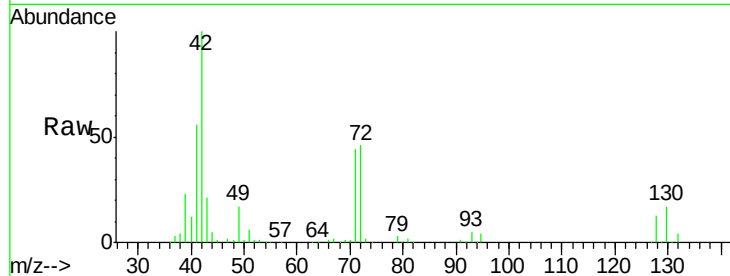
#29  
Tetrahydrofuran  
Concen: 258.988 ug/l  
RT: 7.22 min Scan# 1693  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 46.1  | 35.9  | 53.9  |
| 71      | 43.2  | 34.0  | 51.0  |

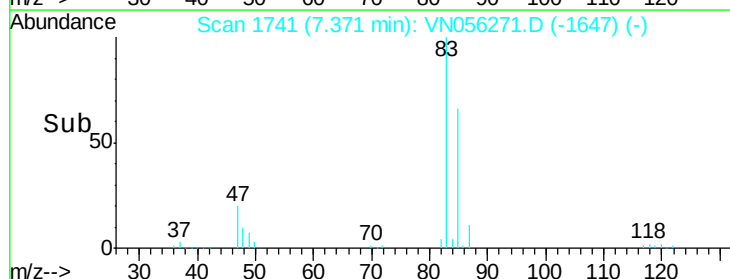
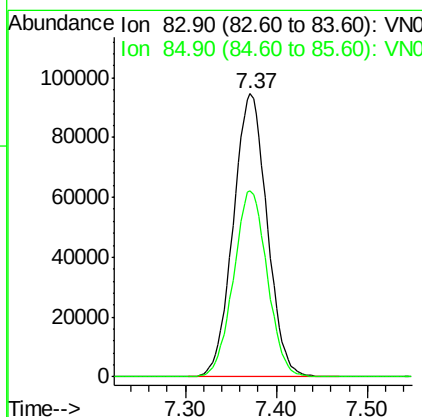
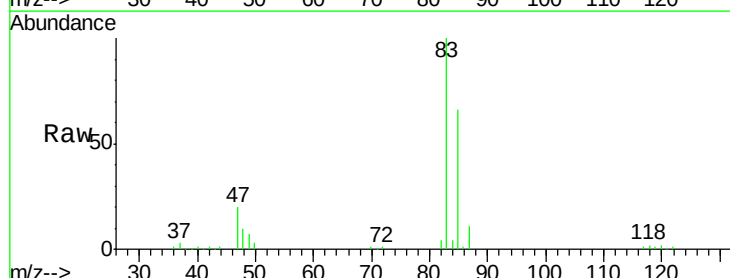
Manual Integrations  
APPROVED

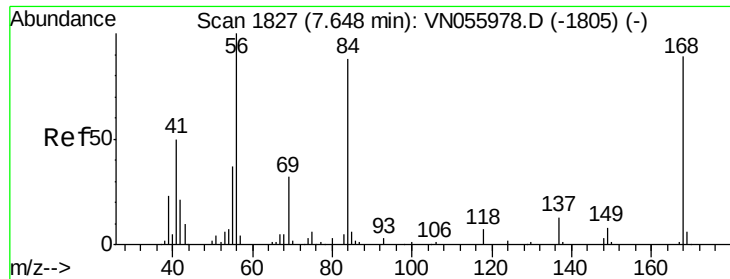
MMDadoda  
6/13/2019 11:09:04 AM



#30  
Chloroform  
Concen: 49.365 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.9  | 51.8  | 77.8  |





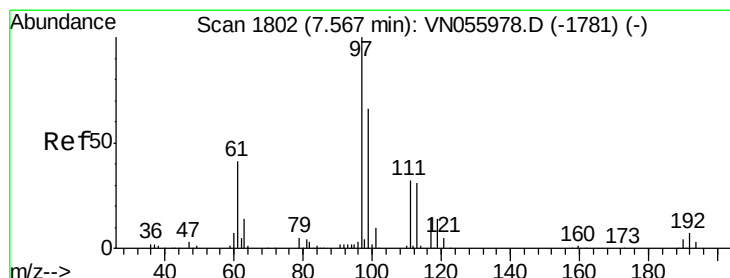
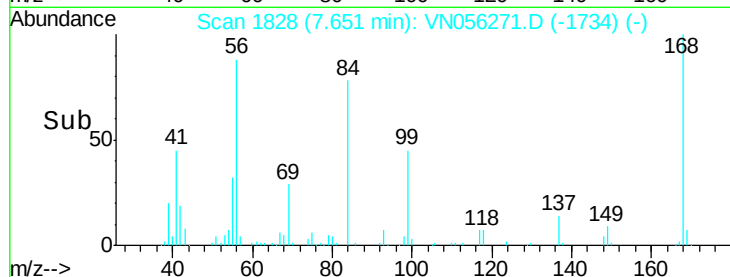
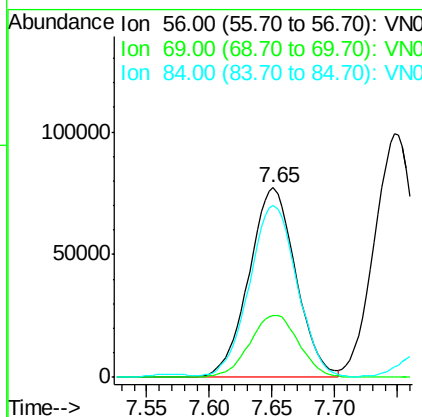
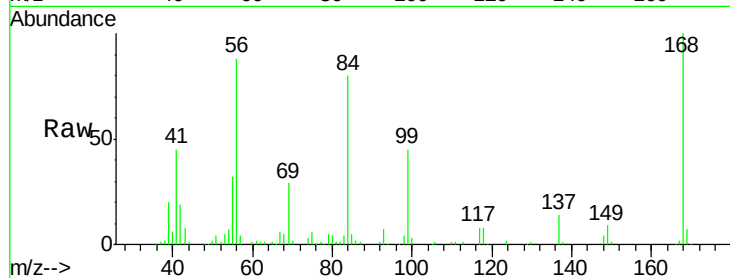
#31  
Cyclohexane  
Concen: 41.046 ug/l  
RT: 7.65 min Scan# 1828  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 32.6  | 25.6  | 38.4  |
| 84      | 89.4  | 67.4  | 101.0 |

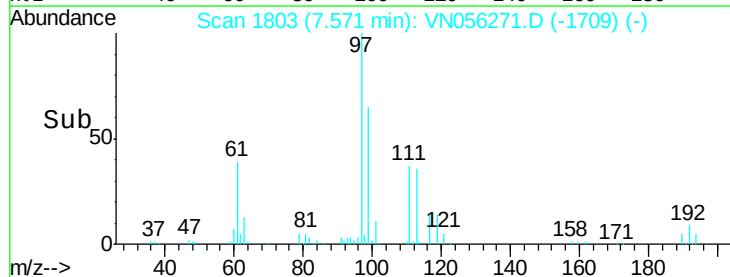
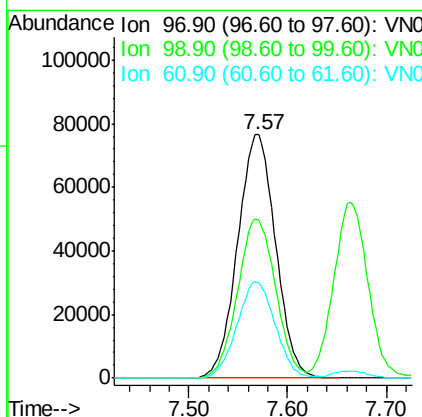
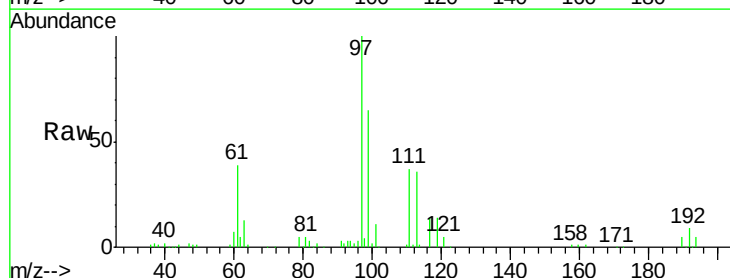
Manual Integrations  
APPROVED

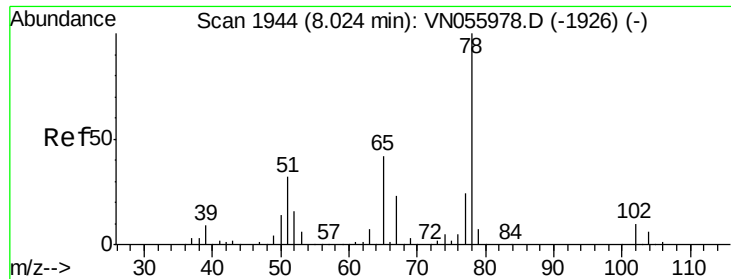
MMDadoda  
6/13/2019 11:09:04 AM



#32  
1,1,1-Trichloroethane  
Concen: 49.356 ug/l  
RT: 7.57 min Scan# 1803  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.6  | 52.0  | 78.0  |
| 61      | 39.8  | 32.9  | 49.3  |





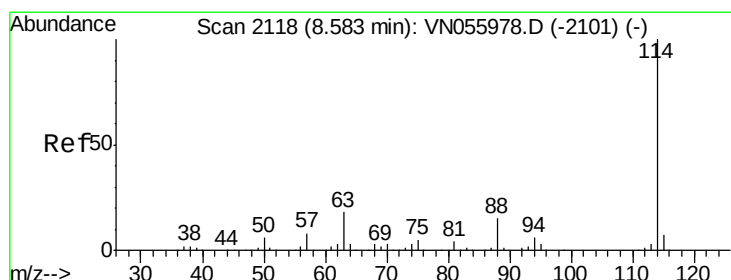
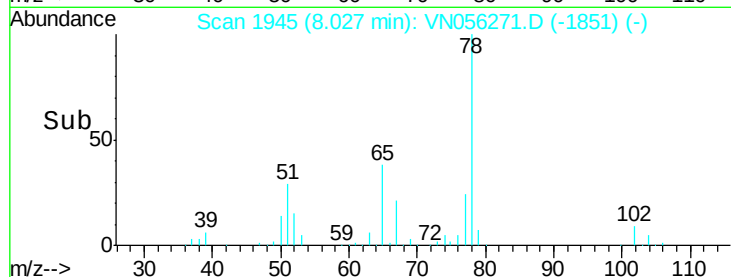
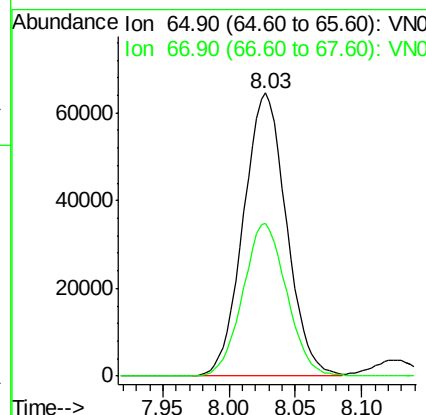
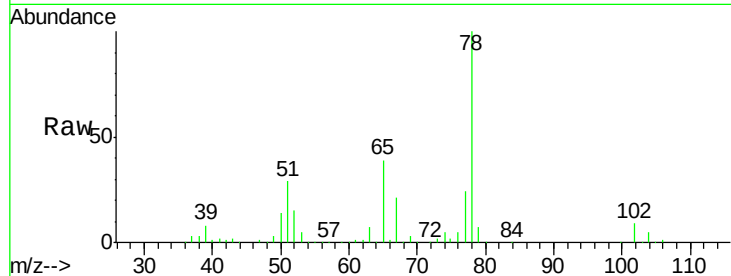
#33  
 1,2-Dichloroethane-d4  
 Concen: 47.079 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN056271.D  
 Acq: 13 Jun 2019 00:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 145650 |       |       |
| 67      | 55.0  | 0.0    | 109.2 |       |

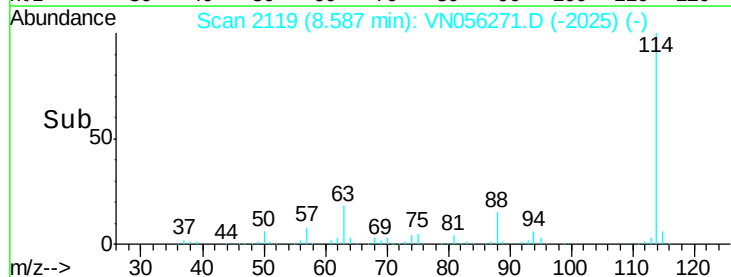
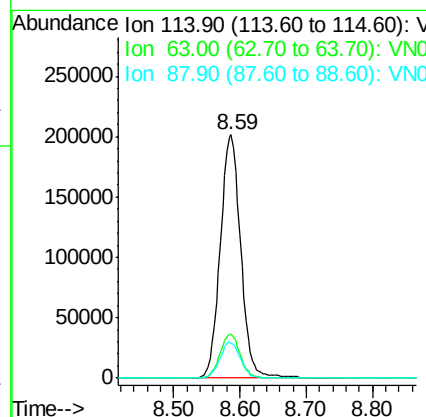
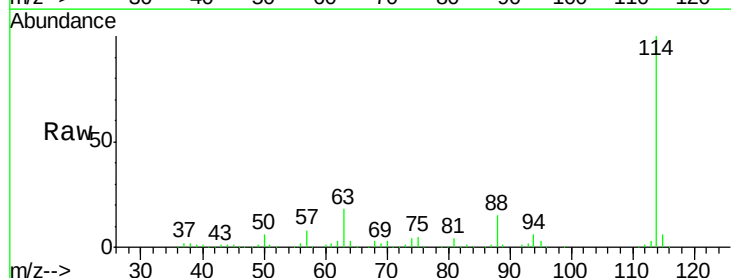
Manual Integrations  
 APPROVED

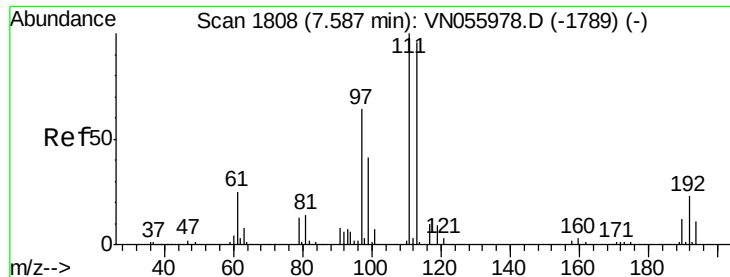
MMDadoda  
 6/13/2019 11:09:04 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN056271.D  
 Acq: 13 Jun 2019 00:10

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 431845 |       |       |
| 63      | 18.3  | 0.0    | 39.2  |       |
| 88      | 14.5  | 0.0    | 31.0  |       |





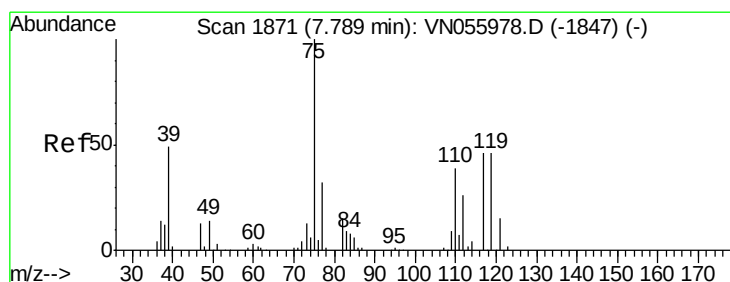
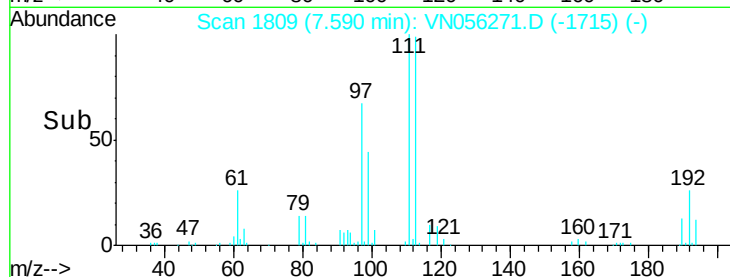
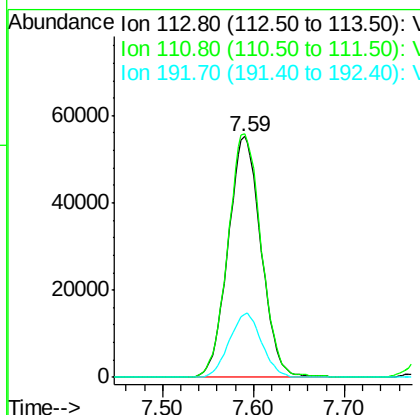
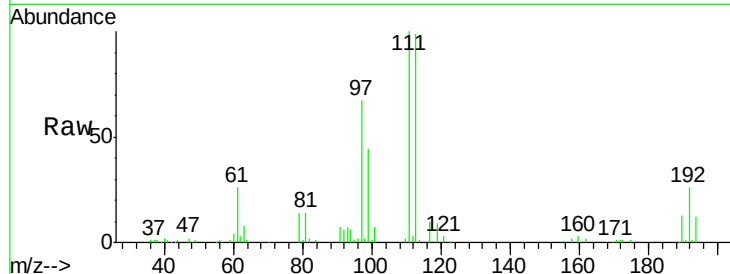
#35  
Dibromofluoromethane  
Concen: 52.435 ug/l  
RT: 7.59 min Scan# 1809  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 102.4 | 81.9 | 122.9 |       |
| 192     | 26.1  | 19.5 | 29.3  |       |

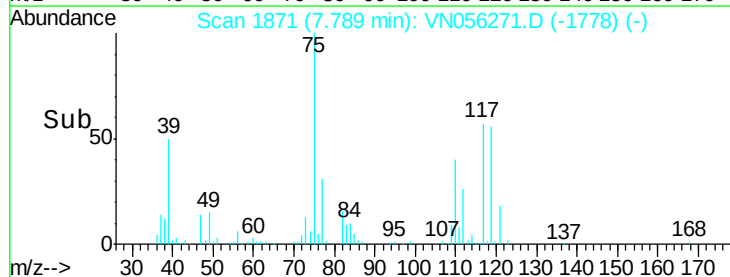
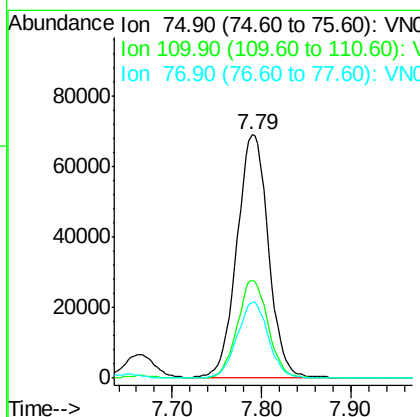
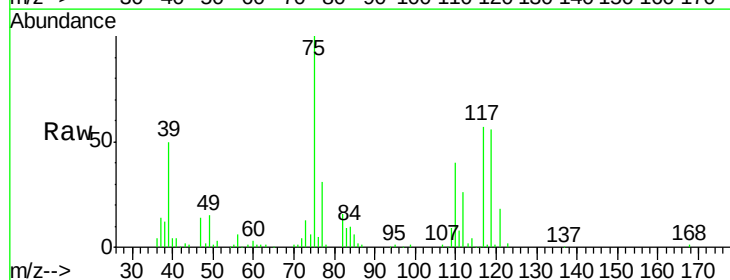
Manual Integrations  
APPROVED

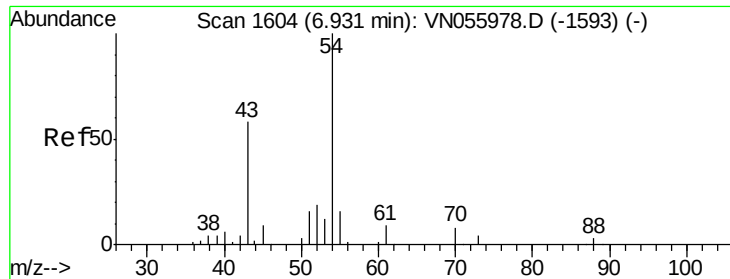
MMDadoda  
6/13/2019 11:09:04 AM



#36  
1,1-Dichloropropene  
Concen: 45.432 ug/l  
RT: 7.79 min Scan# 1871  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 39.6  | 19.0 | 57.0  |       |
| 77      | 31.1  | 25.1 | 37.7  |       |





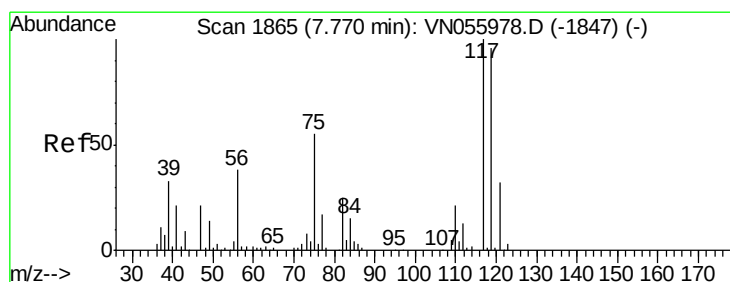
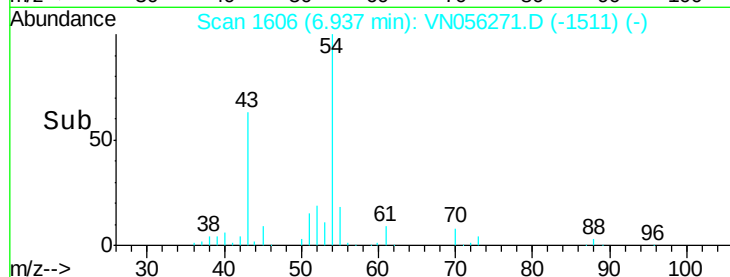
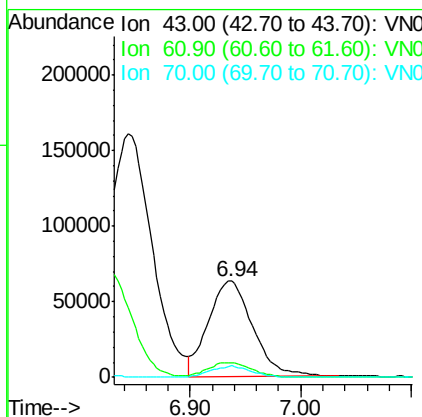
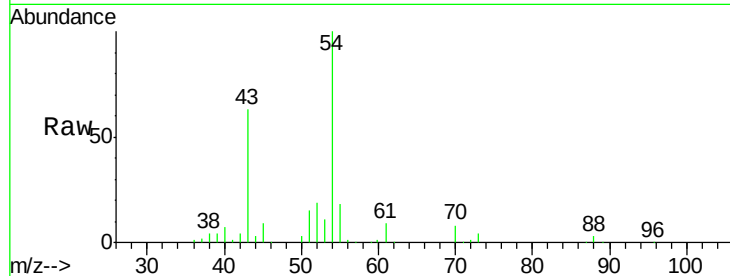
#37  
Ethyl Acetate  
Concen: 53.272 ug/l  
RT: 6.94 min Scan# 1606  
Delta R.T. 0.01 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.0  | 12.2  | 18.2  |
| 70      | 11.1  | 8.9   | 13.3  |

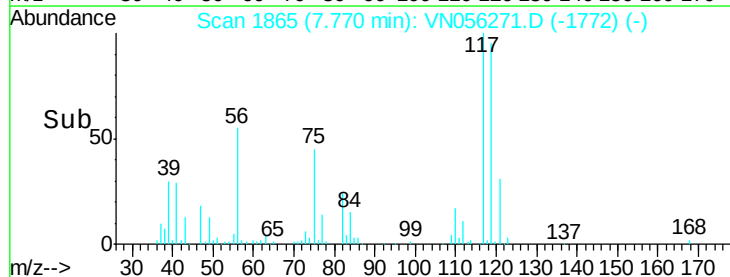
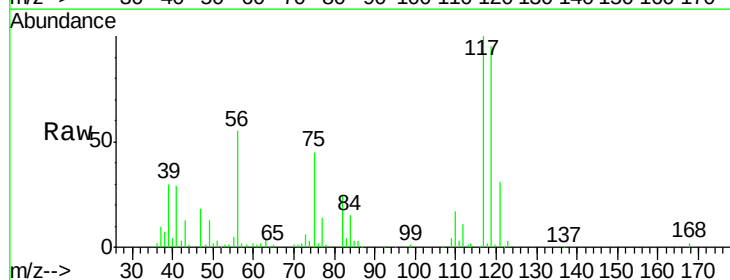
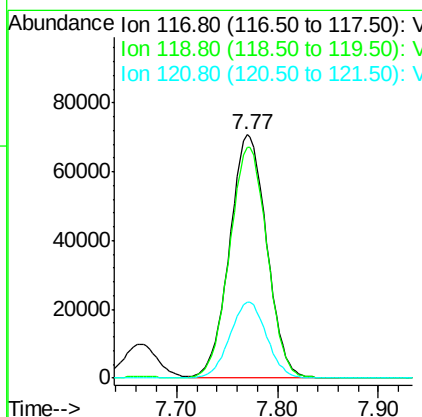
Manual Integrations  
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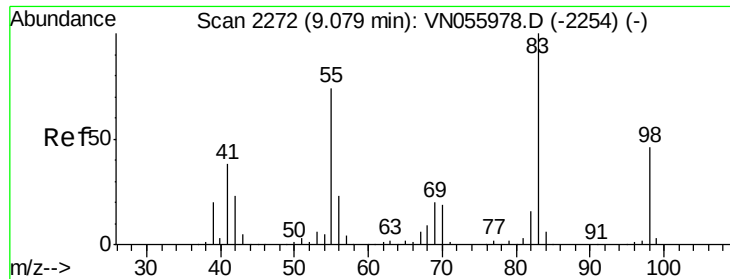


#38  
Carbon Tetrachloride  
Concen: 52.906 ug/l  
RT: 7.77 min Scan# 1865  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.3  | 79.0  | 118.6 |
| 121     | 31.1  | 24.7  | 37.1  |







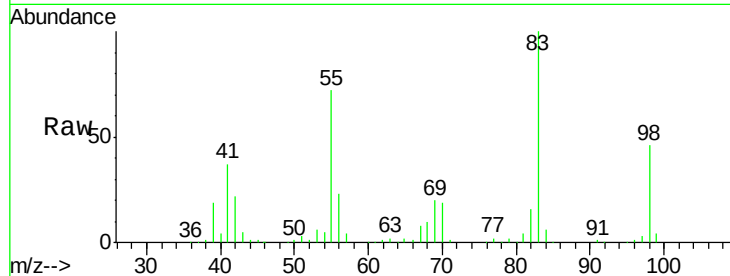
#39  
Methylvlcyclohexane  
Concen: 45.089 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

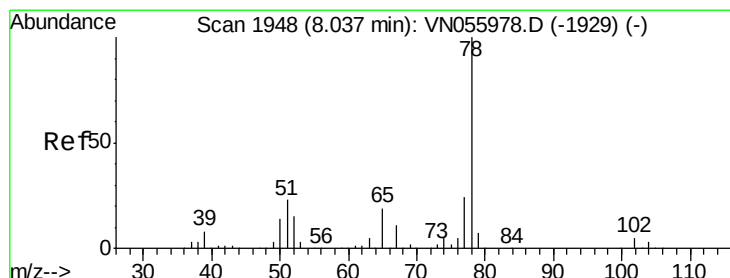
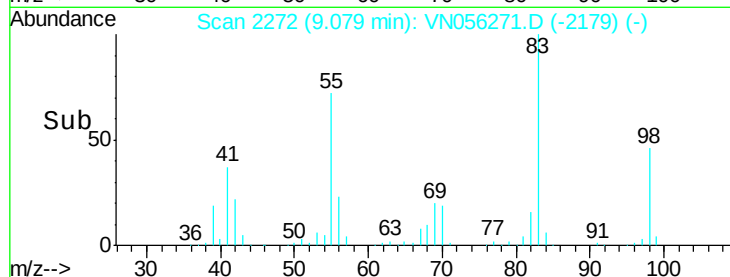
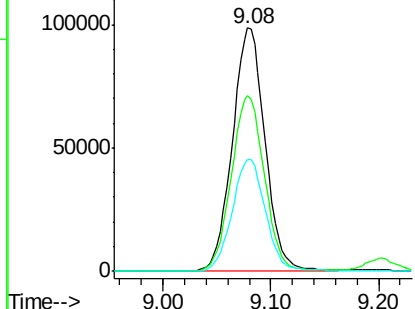
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 55      | 72.1  | 59.3 | 88.9  |       |
| 98      | 45.9  | 36.6 | 54.8  |       |

Manual Integrations  
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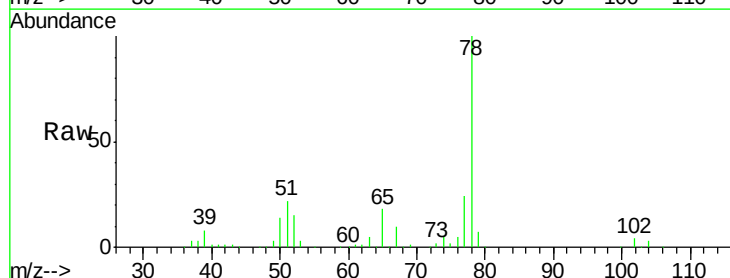


Abundance Ion 83.00 (82.70 to 83.70): VNO  
Ion 55.00 (54.70 to 55.70): VNO  
Ion 98.00 (97.70 to 98.70): VNO

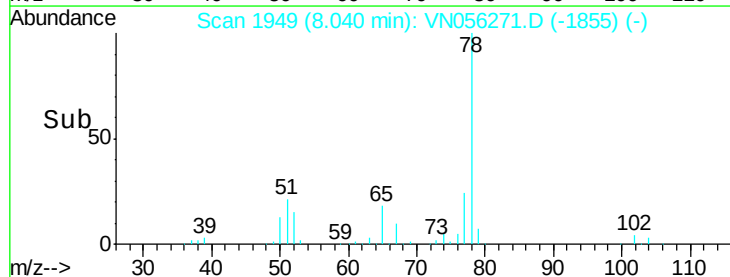
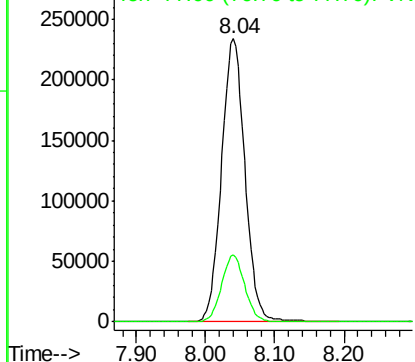


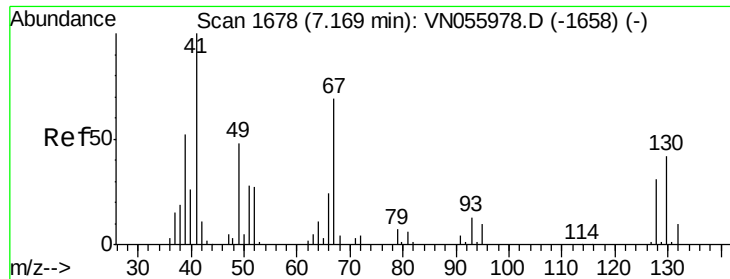
#40  
Benzene  
Concen: 48.980 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 78      | 100   |      |       |       |
| 77      | 23.7  | 18.8 | 28.2  |       |



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





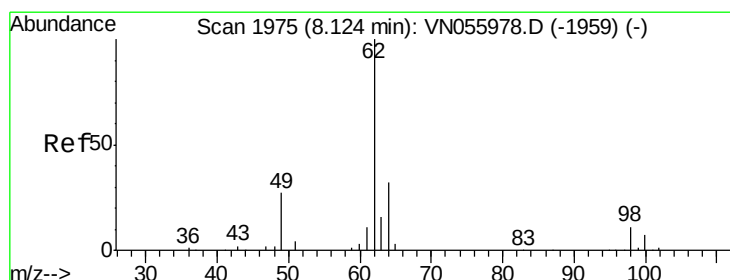
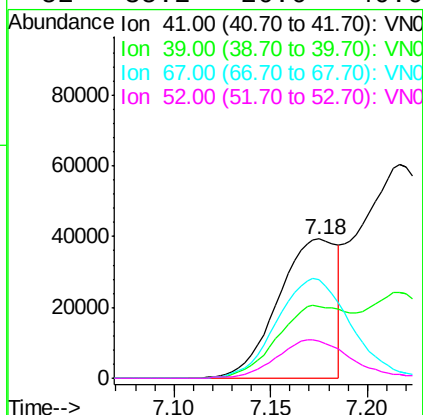
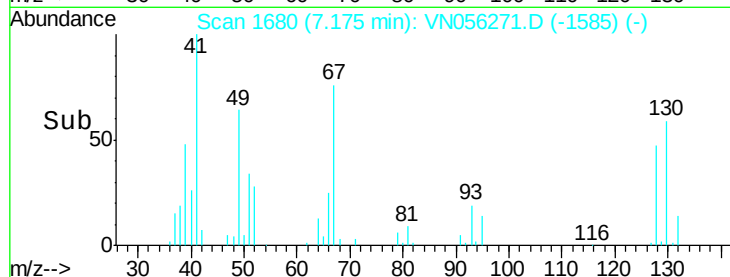
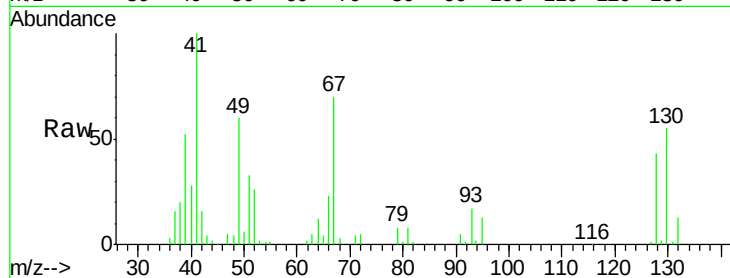
#41  
Methacrylonitrile  
Concen: 54.858 ug/l  
RT: 7.18 min Scan# 1680  
Delta R.T. 0.01 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 83391 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 65.3  | 45.6  | 68.4  |
| 67       | 90.8  | 67.7  | 101.5 |
| 52       | 35.2  | 26.6  | 40.0  |

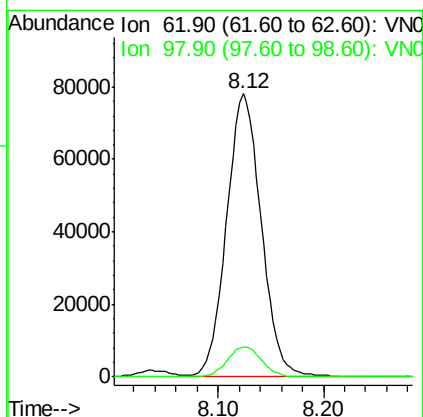
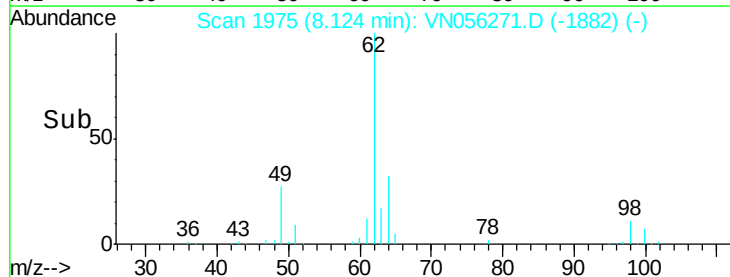
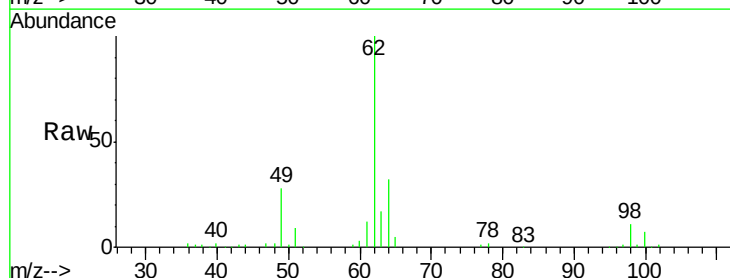
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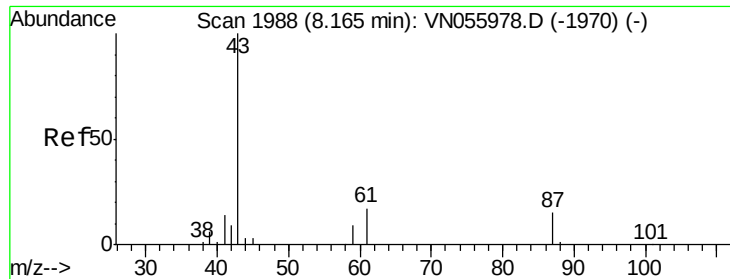
MMDadoda  
6/13/2019 11:09:04 AM



#42  
1,2-Dichloroethane  
Concen: 48.684 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 176614 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.7  | 0.0   | 20.2   |





#43

Isopropyl Acetate

Concen: 50.343 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

Instrument :

MSVOA\_N

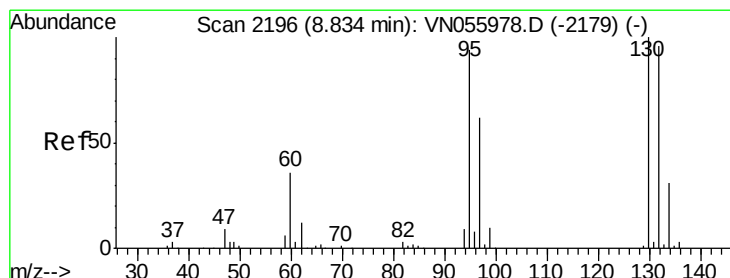
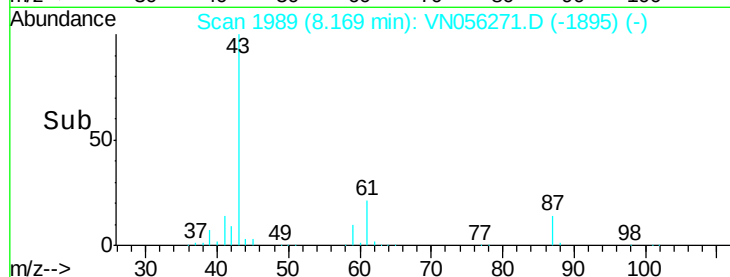
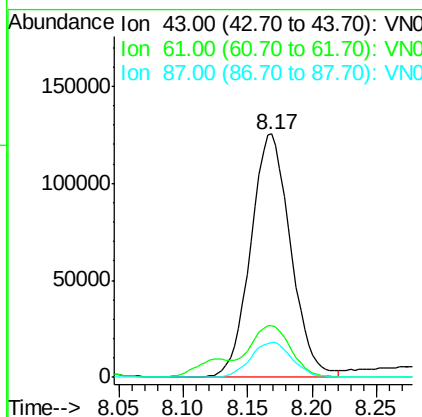
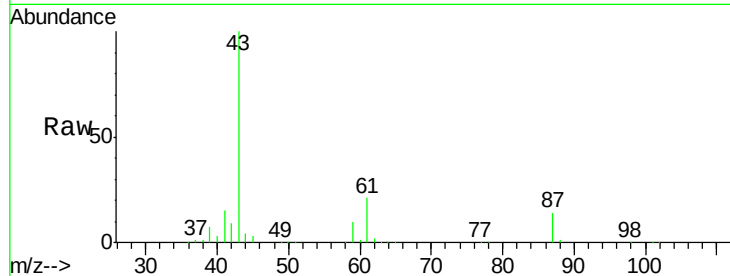
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 43    | Resp: | 269531 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 21.5  | 22.2  | 33.4#  |
| 87        | 15.1  | 11.4  | 17.2   |

Manual Integrations  
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6/13/2019 11:09:04 AM



#44

Trichloroethene

Concen: 50.910 ug/l

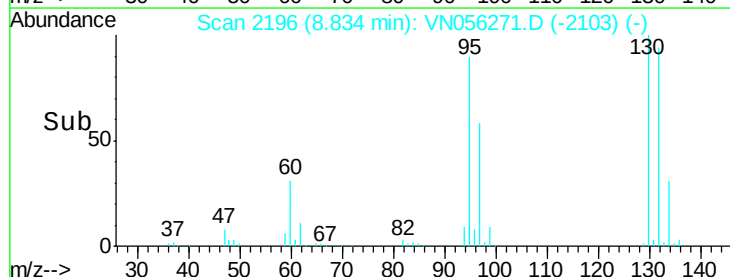
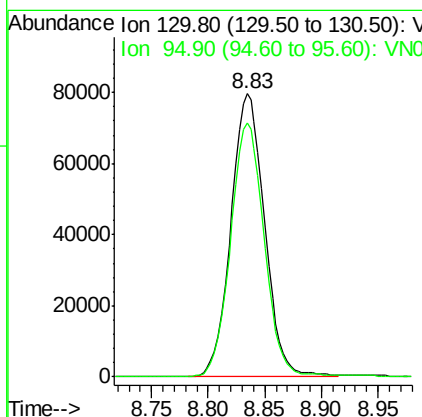
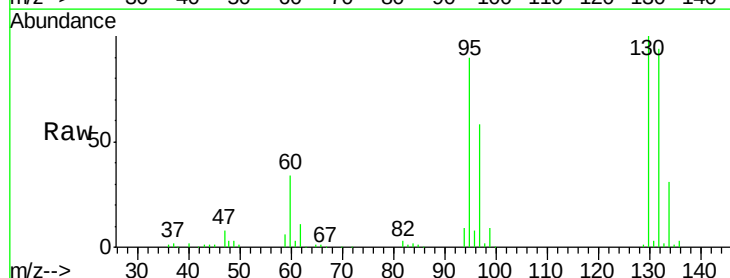
RT: 8.83 min Scan# 2196

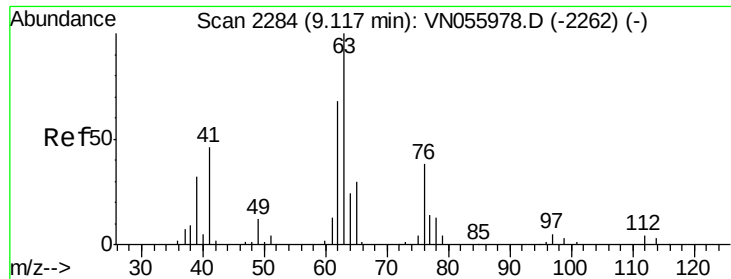
Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 130   | Resp: | 164986 |
| Ion Ratio | Lower | Upper |        |
| 130       | 100   |       |        |
| 95        | 89.9  | 0.0   | 188.0  |





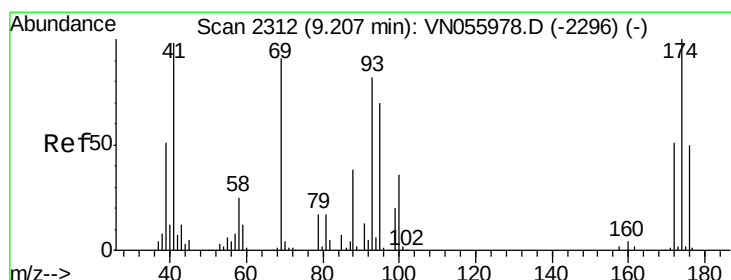
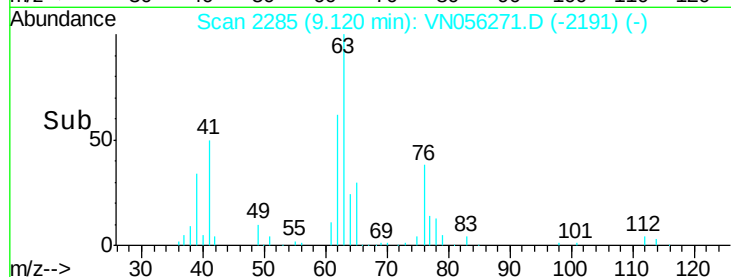
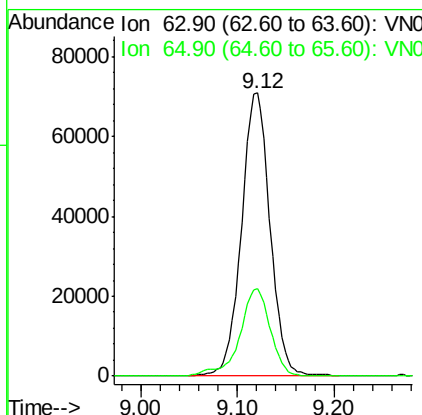
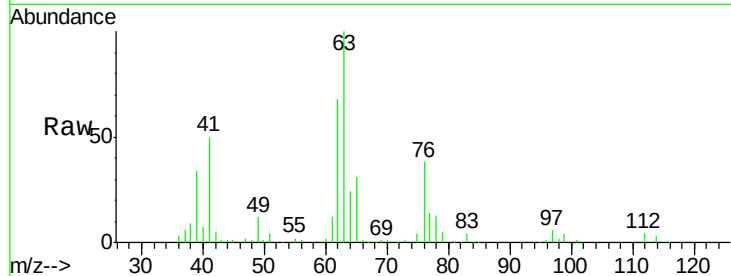
#45  
 1,2-Dichloropropane  
 Concen: 50.452 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN056271.D  
 Acq: 13 Jun 2019 00:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 63 Resp: 145744  
 Ion Ratio Lower Upper  
 63 100  
 65 30.9 24.6 36.8

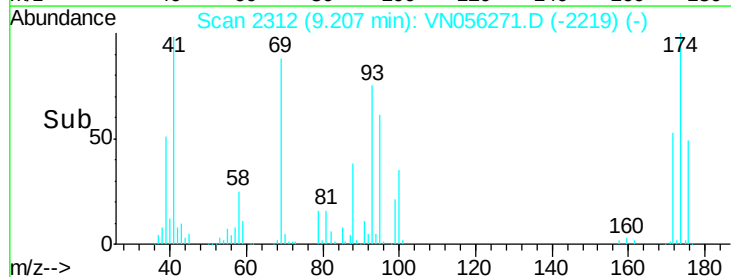
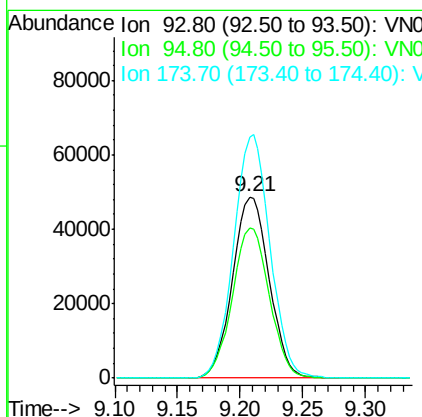
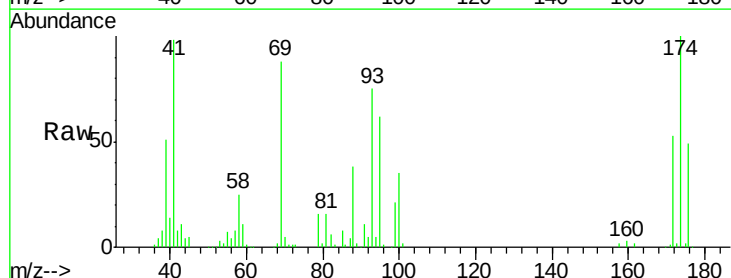
Manual Integrations  
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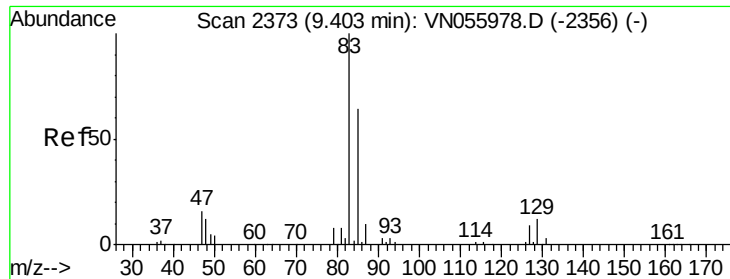
MMDadoda  
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#46  
 Dibromomethane  
 Concen: 52.483 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. 0.00 min  
 Lab File: VN056271.D  
 Acq: 13 Jun 2019 00:10

Tgt Ion: 93 Resp: 99143  
 Ion Ratio Lower Upper  
 93 100  
 95 83.6 66.7 100.1  
 174 133.3 96.4 144.6





#47

Bromodichloromethane

Concen: 55.496 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

Instrument :

MSVOA\_N

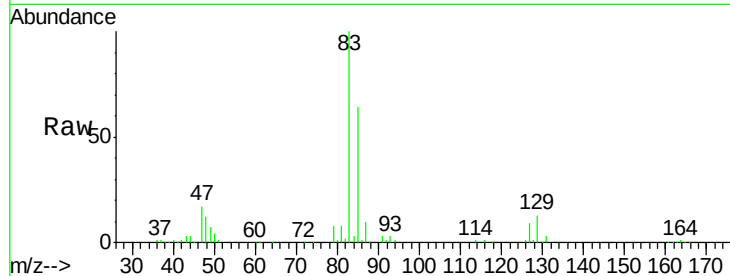
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 190004 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.3  | 52.2  | 78.2   |
| 127      | 9.3   | 7.4   | 11.0   |

Manual Integrations  
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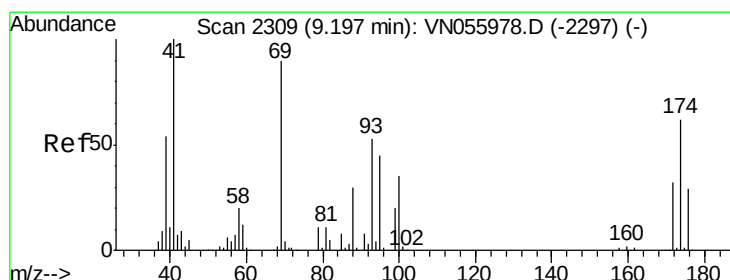
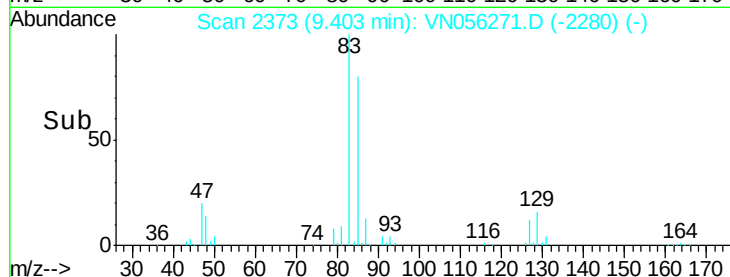
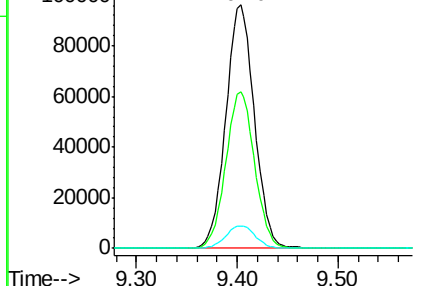
MMDadoda  
6/13/2019 11:09:04 AM



Abundance Ion 82.90 (82.60 to 83.60): VN056271.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056271.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056271.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.762 ug/l

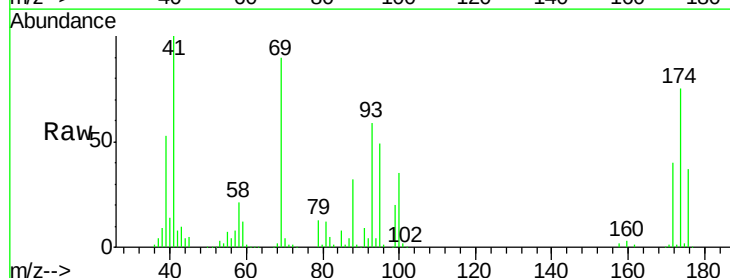
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

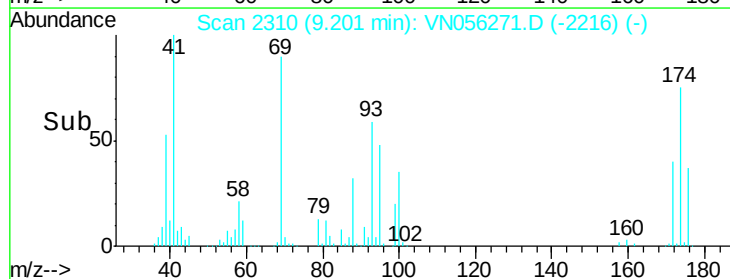
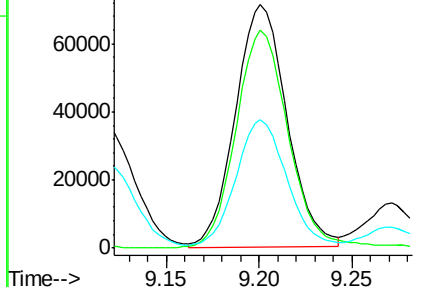
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 138198 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 92.6  | 71.0  | 106.6  |
| 39       | 52.4  | 44.2  | 66.2   |

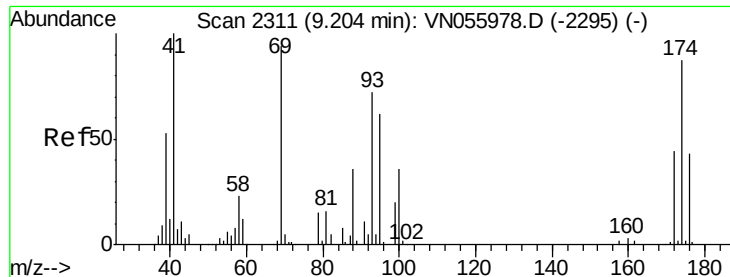


Abundance Ion 41.00 (40.70 to 41.70): VN056271.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056271.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056271.D (-2216) (-)





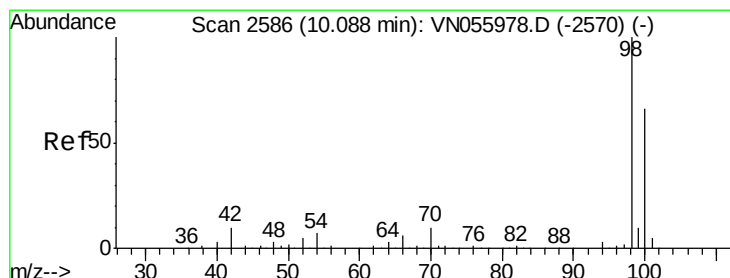
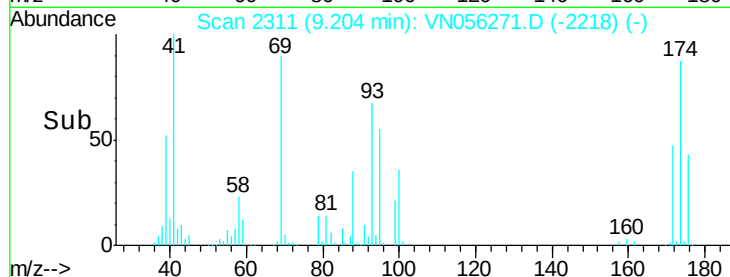
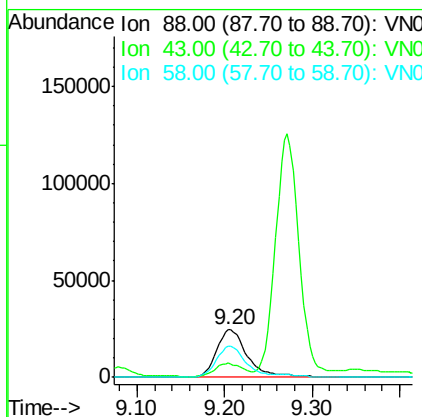
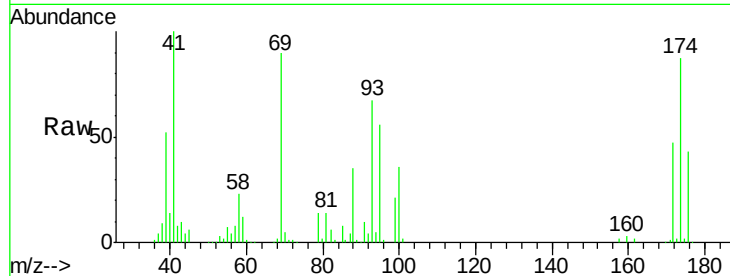
#49  
1,4-Dioxane  
Concen: 1081.474 ug/l  
RT: 9.20 min Scan# 2311  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 88    | Resp  | 61154 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 25.0  | 20.5  | 30.7  |
| 58      | 61.5  | 55.8  | 83.6  |

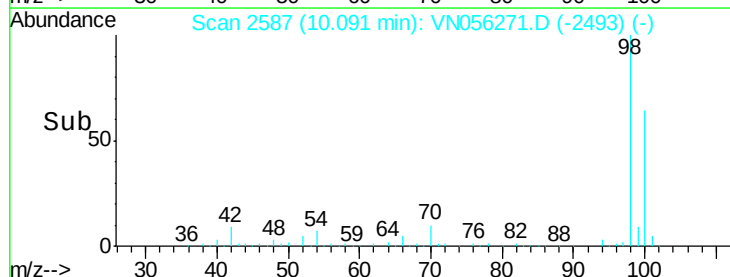
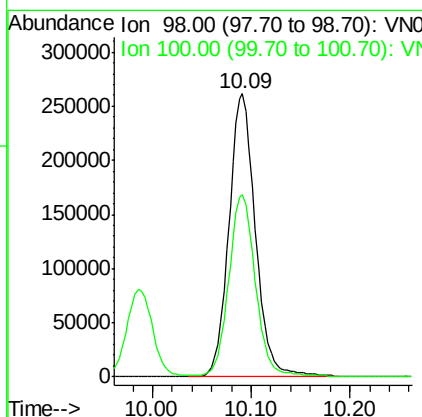
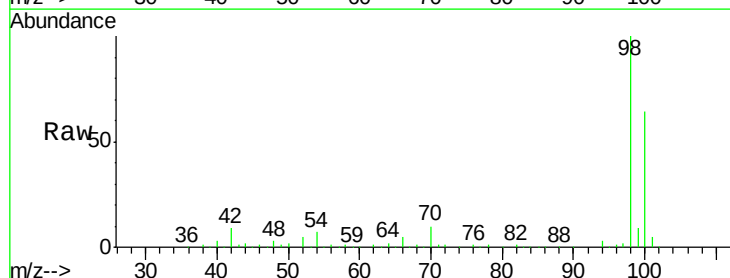
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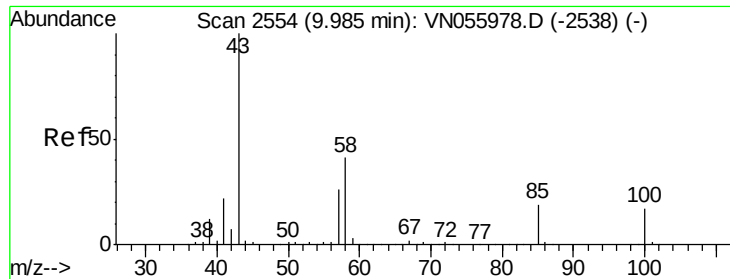
MMDadoda  
6/13/2019 11:09:04 AM



#50  
Toluene-d8  
Concen: 48.223 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

| Tgt Ion | 98    | Resp  | 491654 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 64.6  | 51.9  | 77.9   |





#51

4-Methyl-2-Pentanone

Concen: 268.364 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

Instrument :

MSVOA\_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 898496

Ion Ratio Lower Upper

43 100

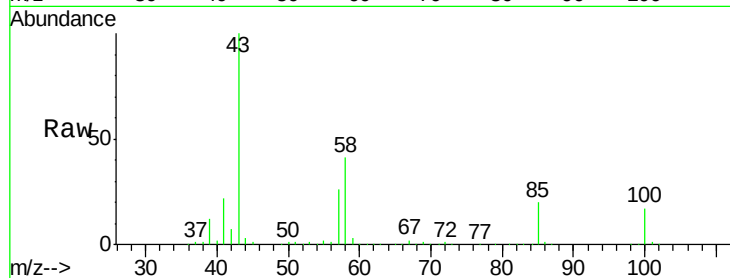
58 40.6 32.1 48.1

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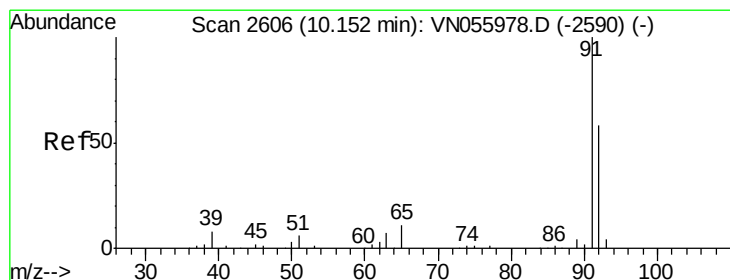
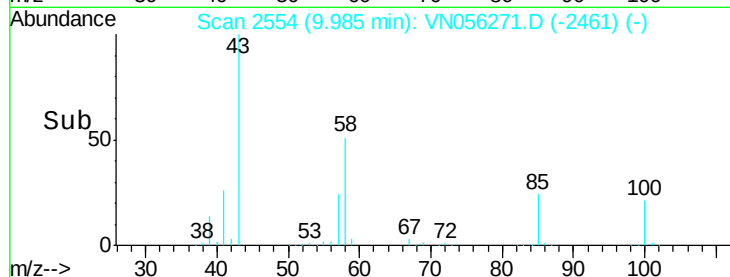
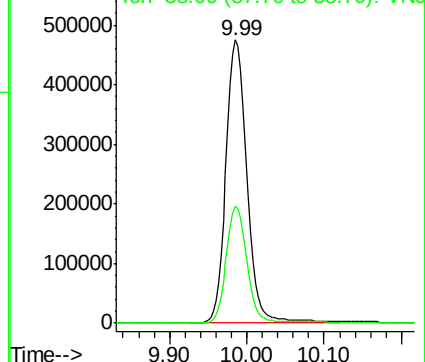
MMDadoda

6/13/2019 11:09:04 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.833 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056271.D

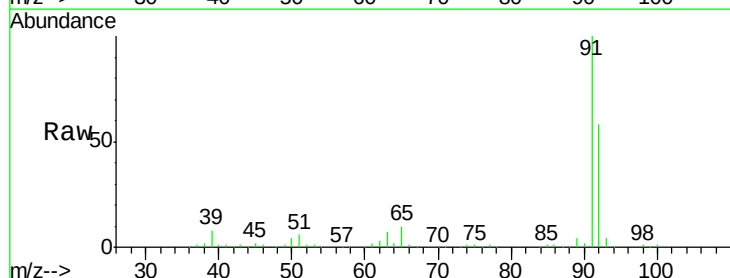
Acq: 13 Jun 2019 00:10

Tgt Ion: 92 Resp: 349719

Ion Ratio Lower Upper

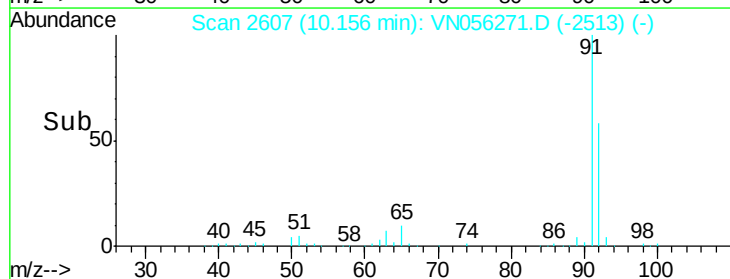
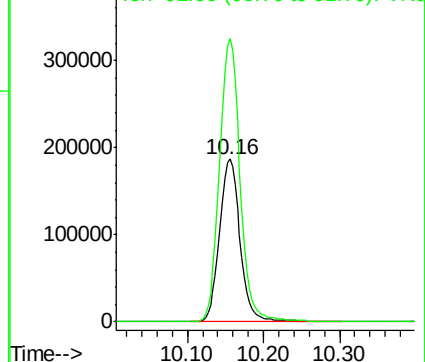
92 100

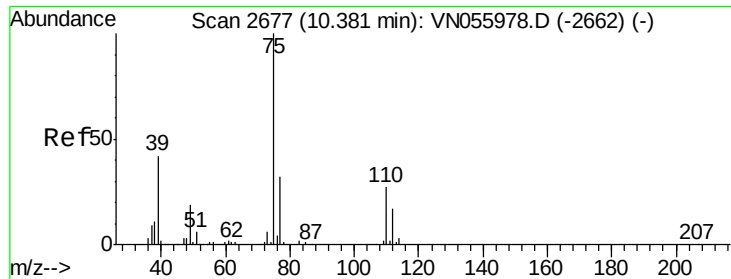
91 175.2 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





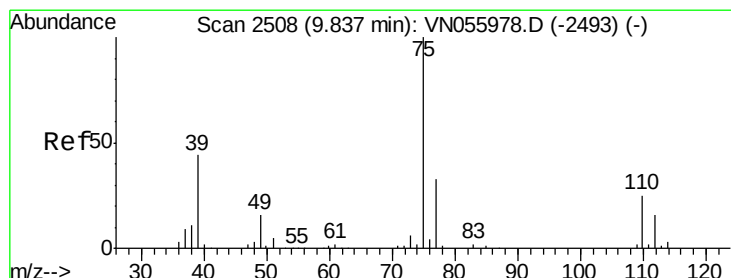
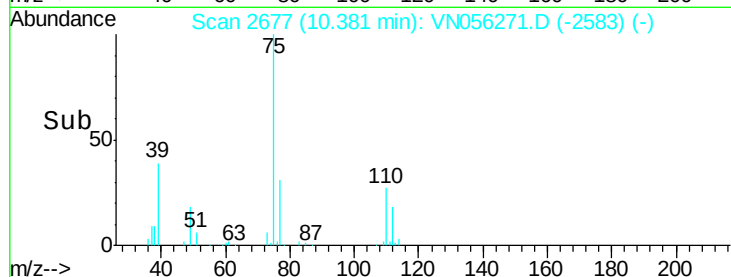
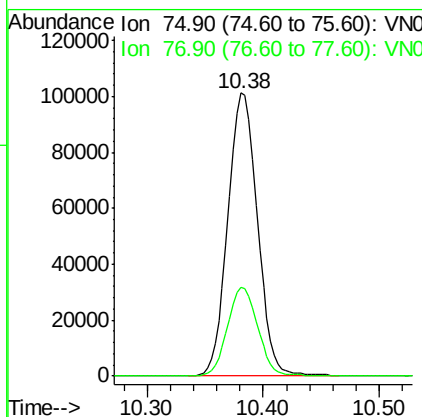
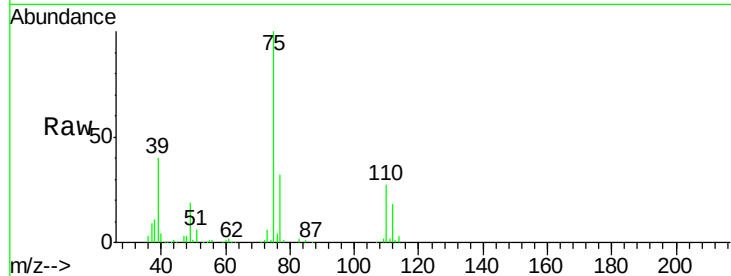
#53  
t-1,3-Dichloropropene  
Concen: 44.832 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 75 Resp: 178913  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.8 38.6

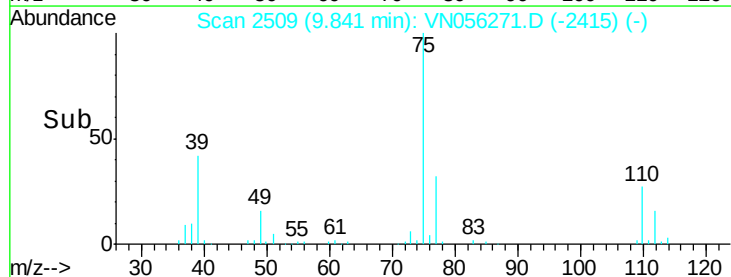
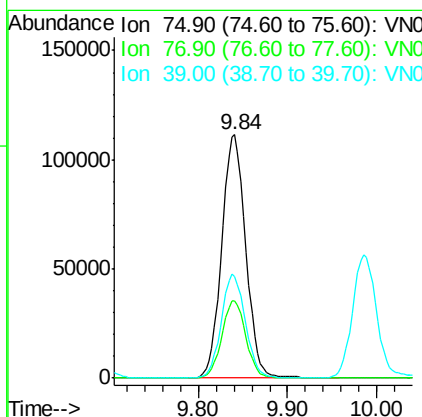
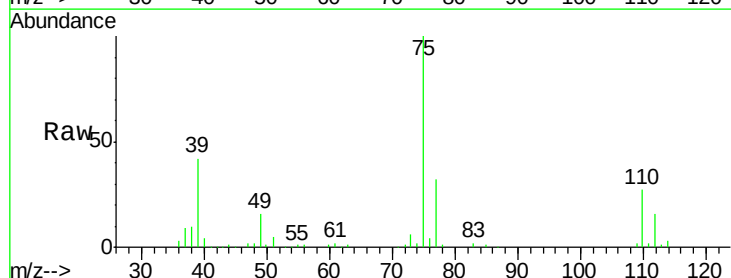
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MMDadoda  
6/13/2019 11:09:04 AM

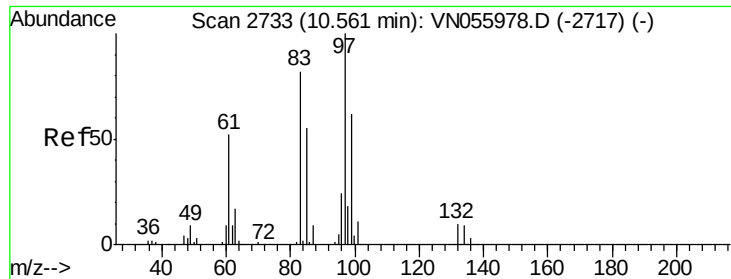


#54  
cis-1,3-Dichloropropene  
Concen: 50.483 ug/l  
RT: 9.84 min Scan# 2509  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Tgt Ion: 75 Resp: 207755  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.4 38.0  
39 42.0 36.3 54.5







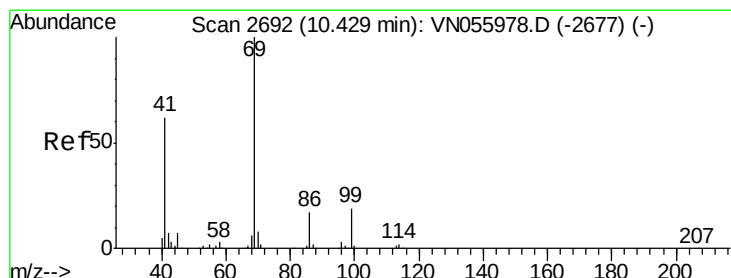
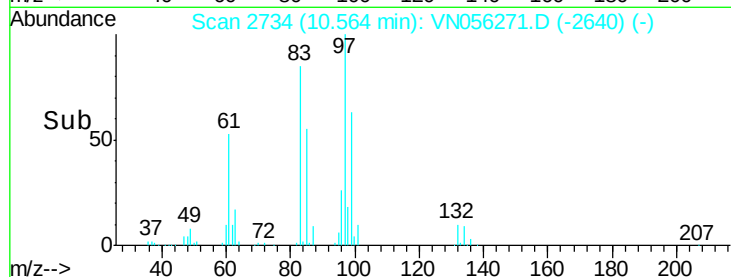
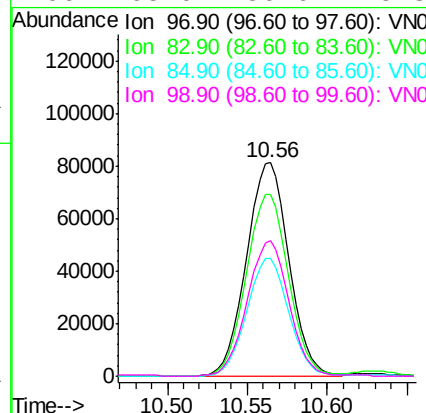
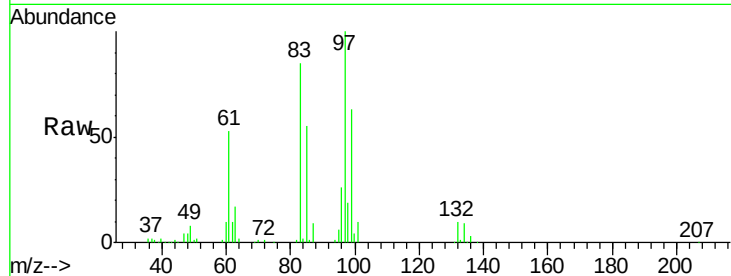
#55  
 1,1,2-Trichloroethane  
 Concen: 52.949 ug/l  
 RT: 10.56 min Scan# 2734  
 Delta R.T. 0.00 min  
 Lab File: VN056271.D  
 Acq: 13 Jun 2019 00:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 147193 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.2  | 67.0  | 100.6  |
| 85       | 55.4  | 44.0  | 66.0   |
| 99       | 63.0  | 50.6  | 75.8   |

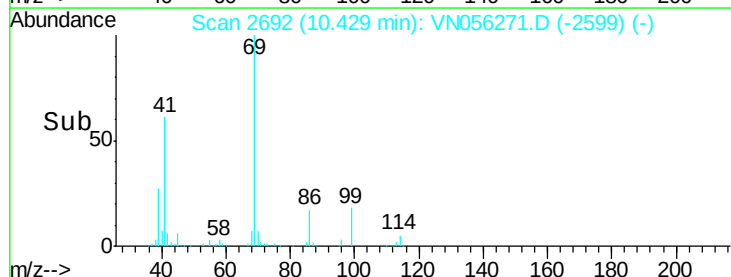
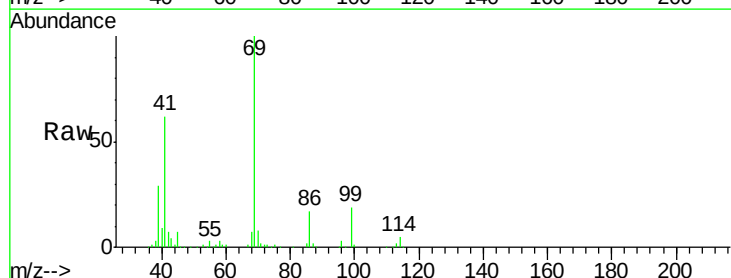
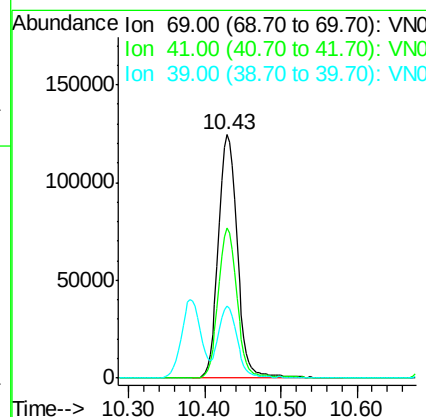
Manual Integrations  
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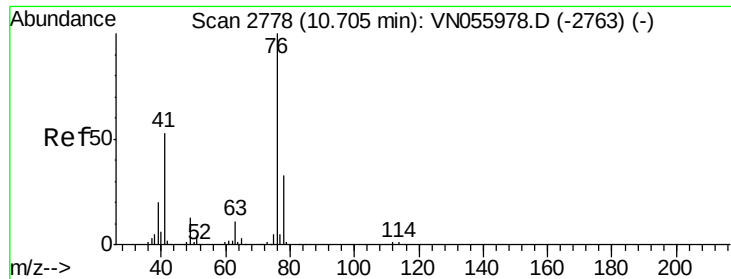
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 6/13/2019 11:09:04 AM



#56  
 Ethyl methacrylate  
 Concen: 53.199 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN056271.D  
 Acq: 13 Jun 2019 00:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 215753 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 60.1  | 49.7  | 74.5   |
| 39       | 28.8  | 24.7  | 37.1   |





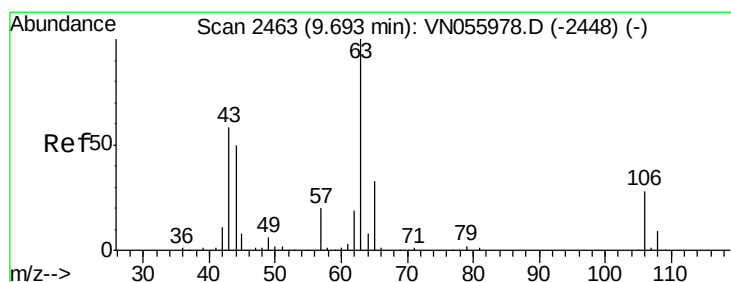
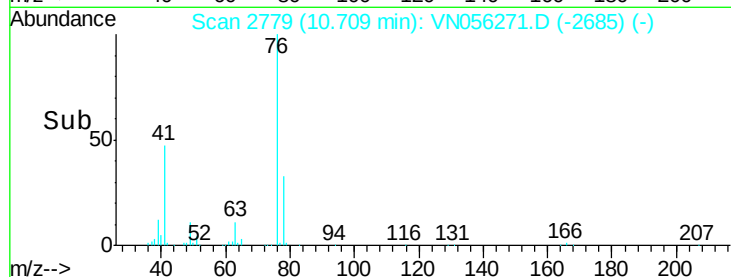
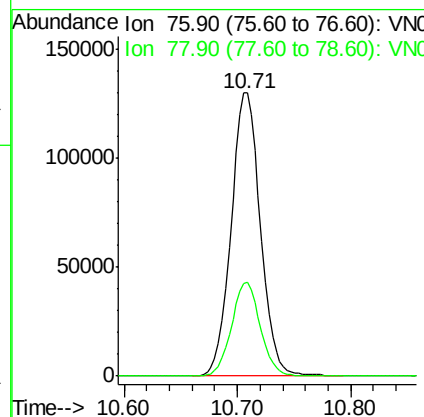
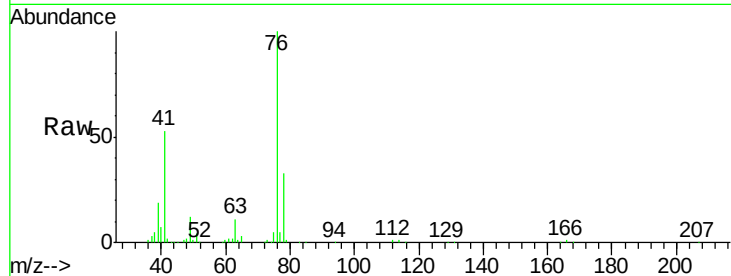
#57  
 1,3-Dichloropropane  
 Concen: 51.794 ug/l  
 RT: 10.71 min Scan# 2779  
 Delta R.T. 0.00 min  
 Lab File: VN056271.D  
 Acq: 13 Jun 2019 00:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 76 Resp: 234063  
 Ion Ratio Lower Upper  
 76 100  
 78 32.7 25.8 38.6

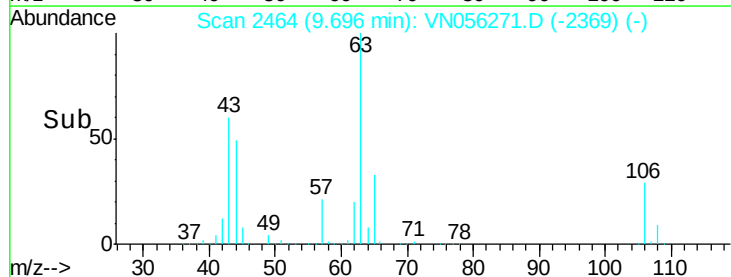
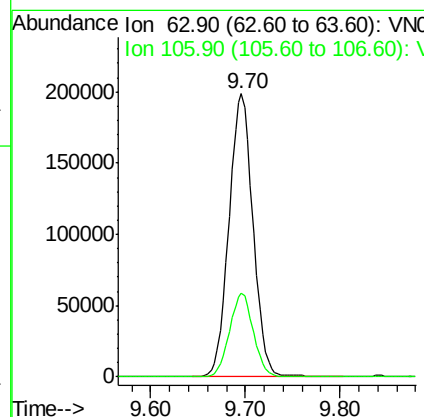
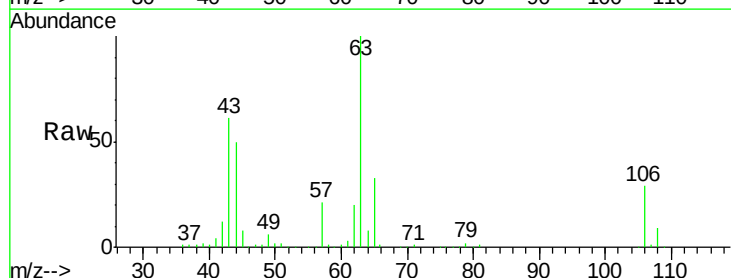
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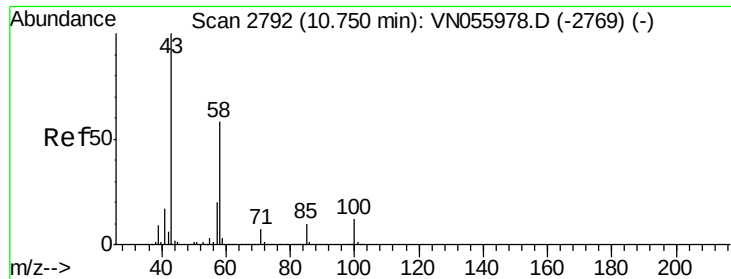
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 220.084 ug/l  
 RT: 9.70 min Scan# 2464  
 Delta R.T. 0.00 min  
 Lab File: VN056271.D  
 Acq: 13 Jun 2019 00:10

Tgt Ion: 63 Resp: 350844  
 Ion Ratio Lower Upper  
 63 100  
 106 29.3 22.7 34.1





#59

2-Hexanone

Concen: 256.399 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 622175

Ion Ratio Lower Upper

43 100

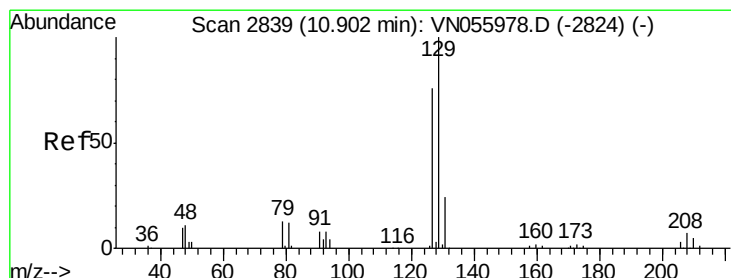
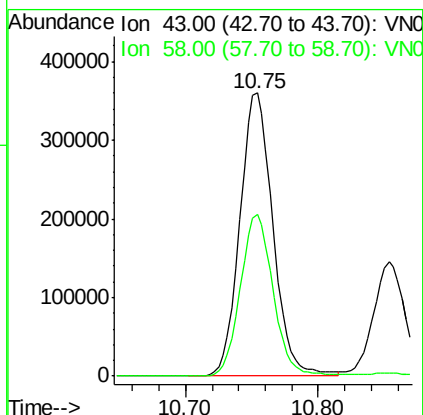
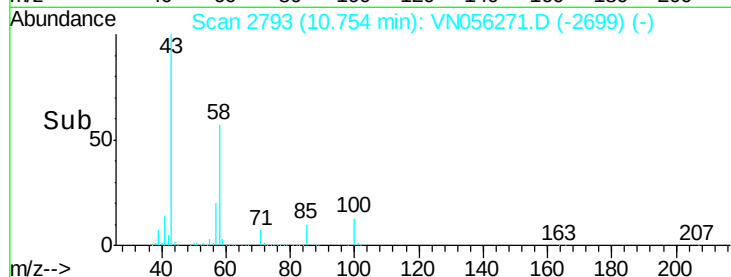
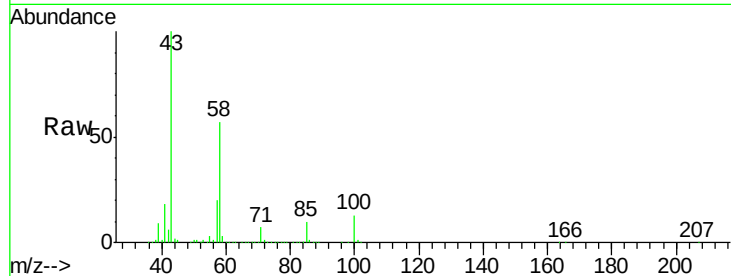
58 56.9 28.2 84.7

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#60

Dibromochloromethane

Concen: 53.899 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056271.D

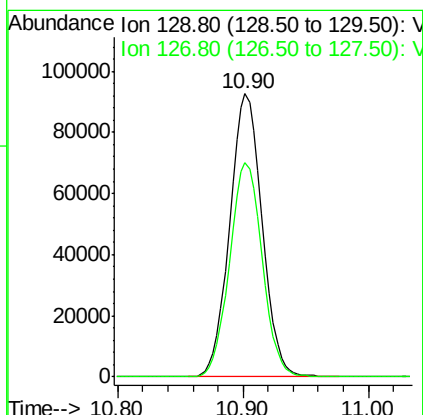
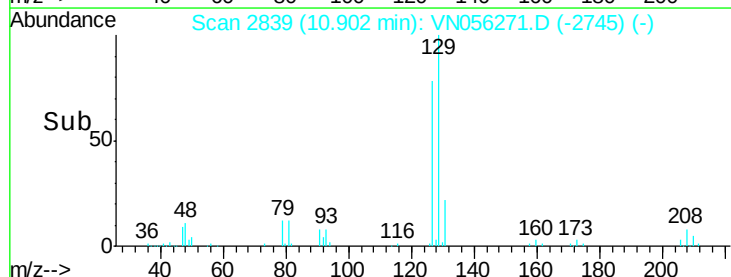
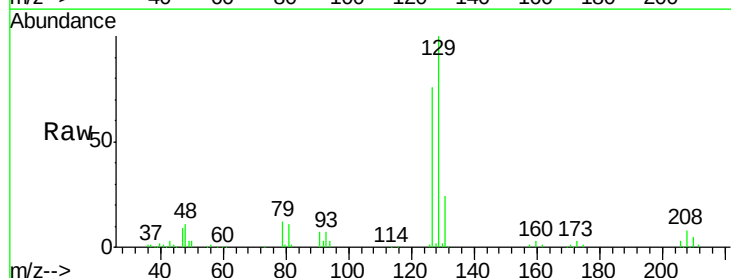
Acq: 13 Jun 2019 00:10

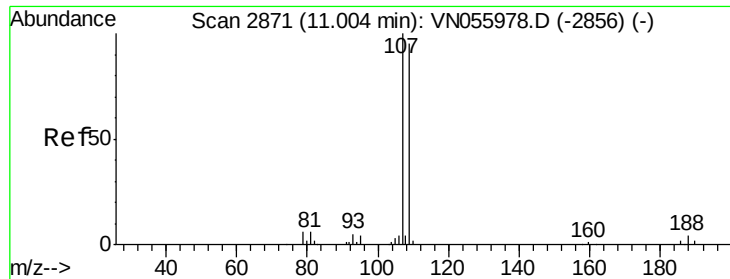
Tgt Ion: 129 Resp: 165868

Ion Ratio Lower Upper

129 100

127 76.4 38.1 114.3





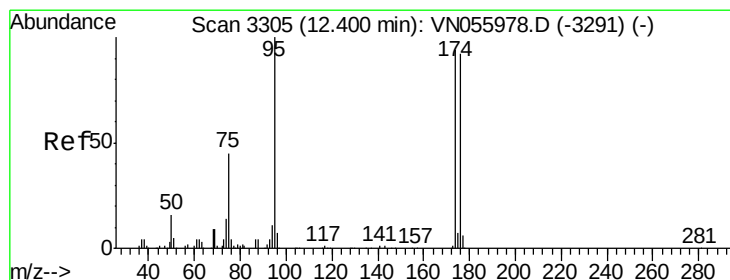
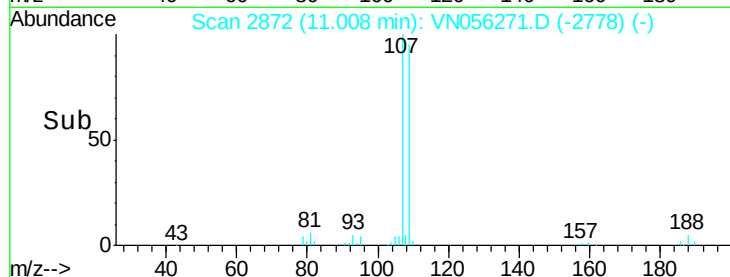
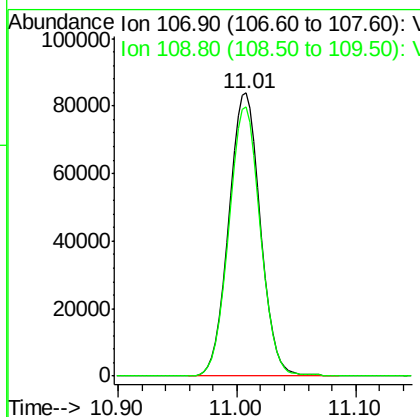
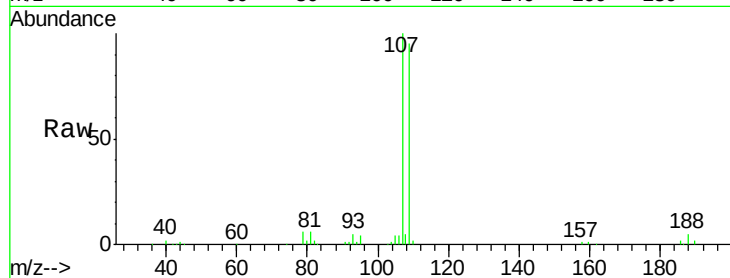
#61  
 1,2-Dibromoethane  
 Concen: 54.199 ug/l  
 RT: 11.01 min Scan# 2872  
 Delta R.T. 0.00 min  
 Lab File: VN056271.D  
 Acq: 13 Jun 2019 00:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 95.2  | 74.8  | 112.2 |

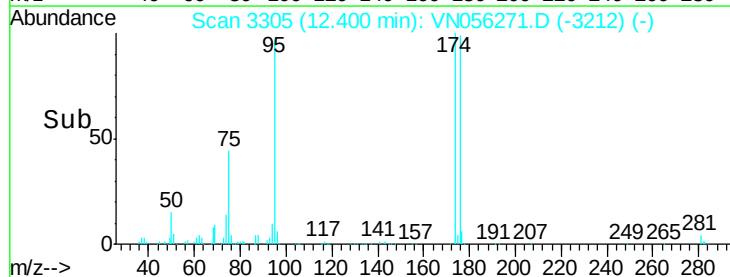
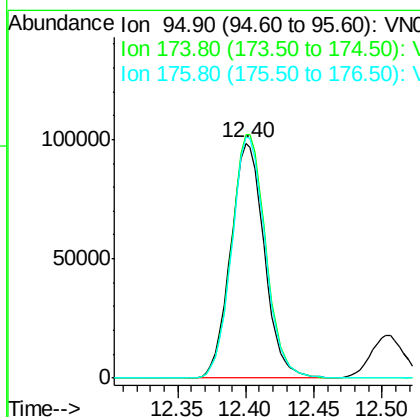
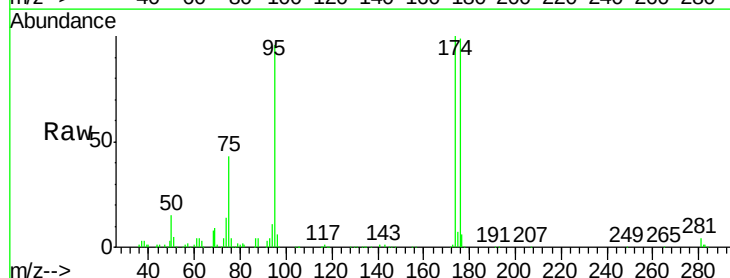
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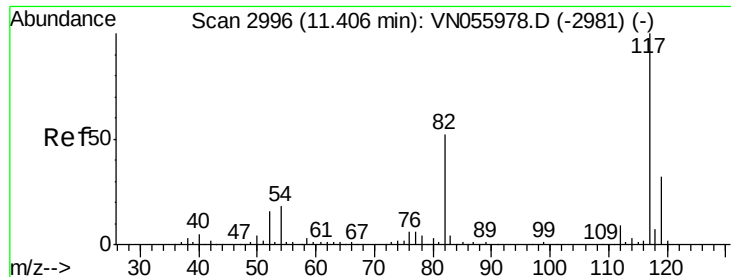
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#62  
 4-Bromofluorobenzene  
 Concen: 48.682 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.00 min  
 Lab File: VN056271.D  
 Acq: 13 Jun 2019 00:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 104.8 | 0.0   | 191.0 |
| 176     | 102.3 | 0.0   | 185.2 |





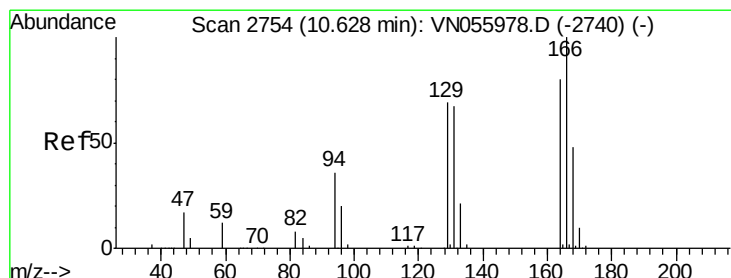
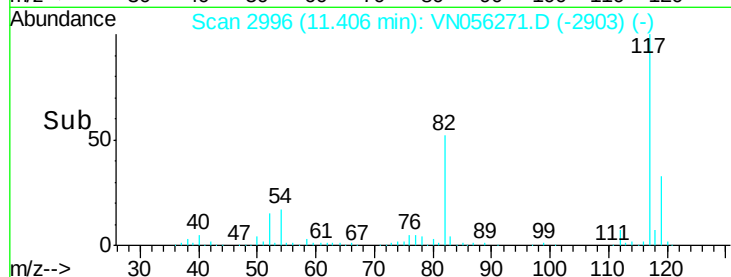
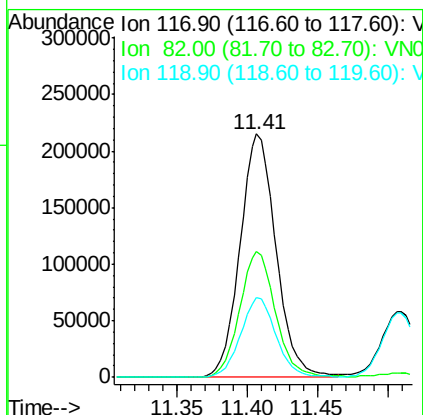
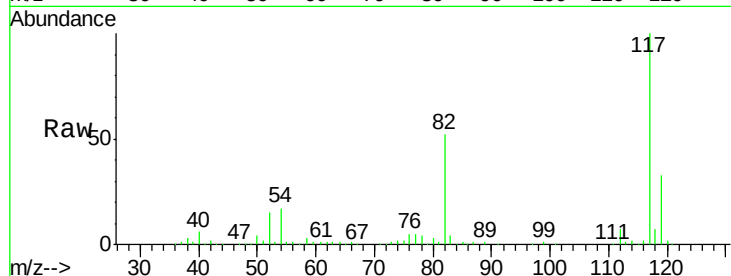
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.8  | 41.8  | 62.8  |
| 119     | 32.6  | 25.4  | 38.0  |

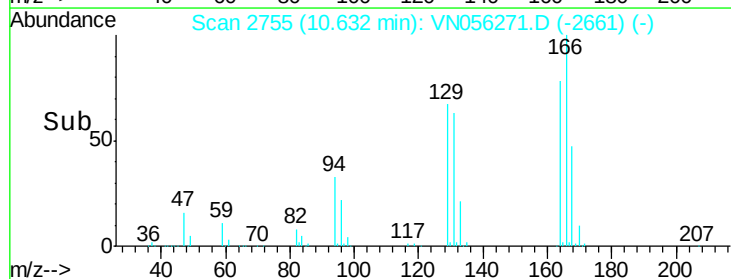
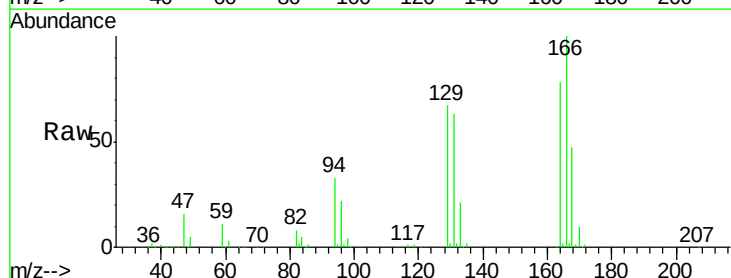
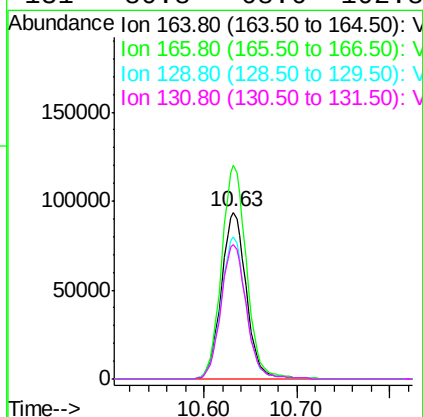
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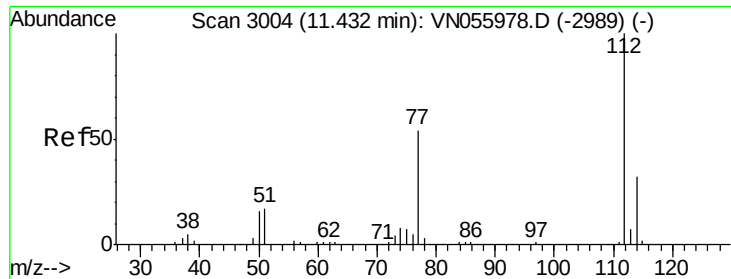
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#64  
Tetrachloroethene  
Concen: 52.370 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.0 | 103.0 | 154.6 |
| 129     | 85.2  | 70.6  | 105.8 |
| 131     | 80.8  | 68.6  | 102.8 |





#65

Chlorobenzene

Concen: 50.937 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 390360

Ion Ratio Lower Upper

112 100

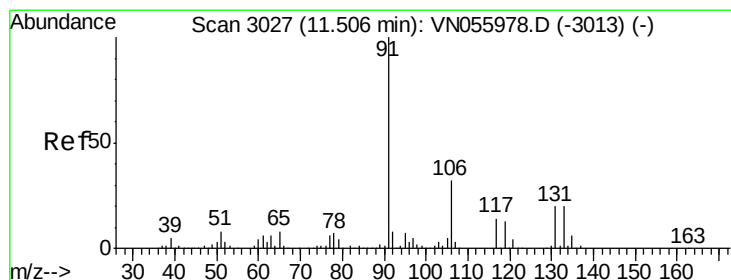
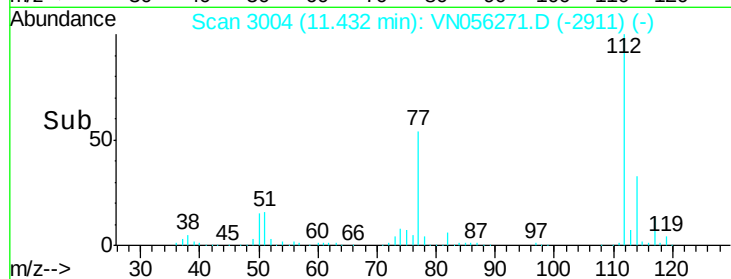
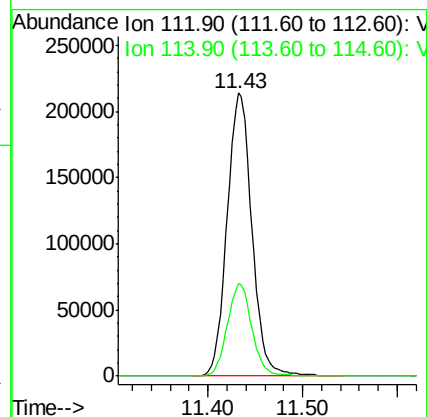
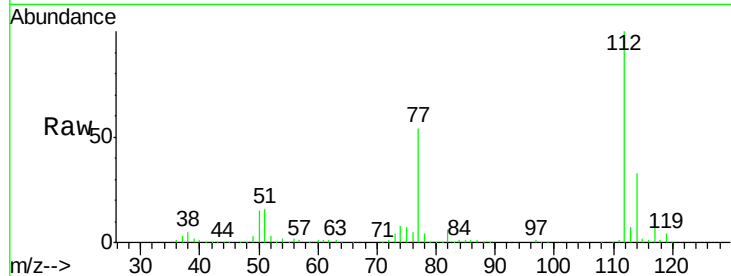
114 32.6 26.2 39.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 57.704 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

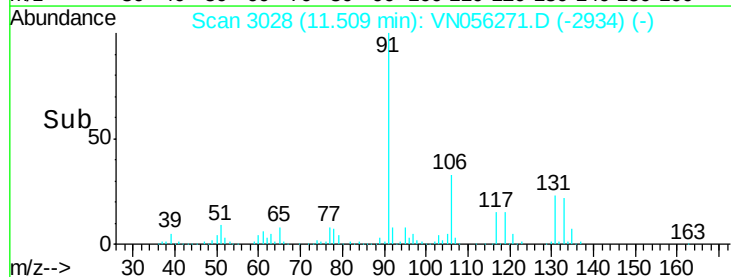
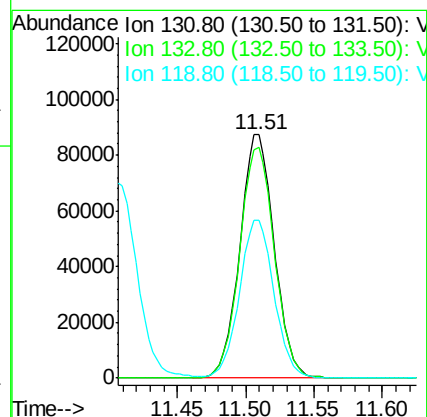
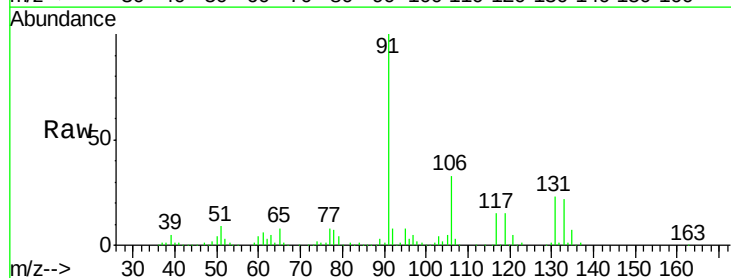
Tgt Ion:131 Resp: 152691

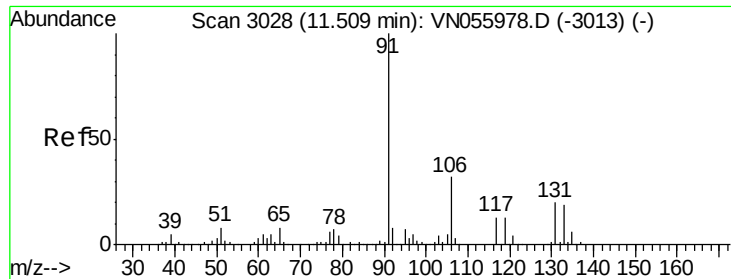
Ion Ratio Lower Upper

131 100

133 96.2 48.0 144.0

119 65.4 33.1 99.5





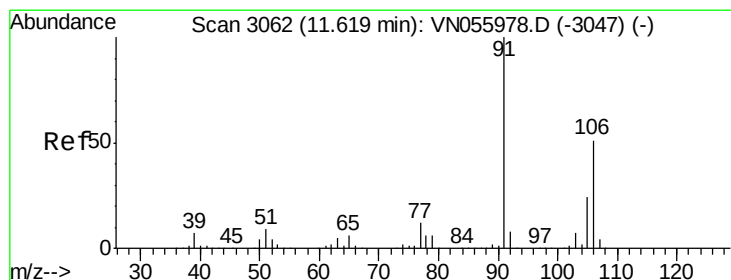
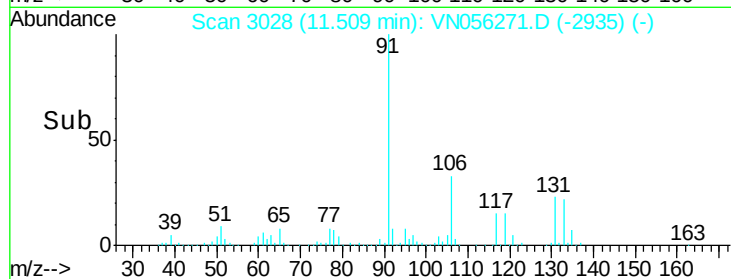
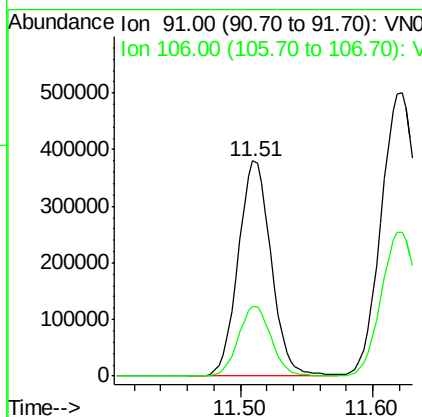
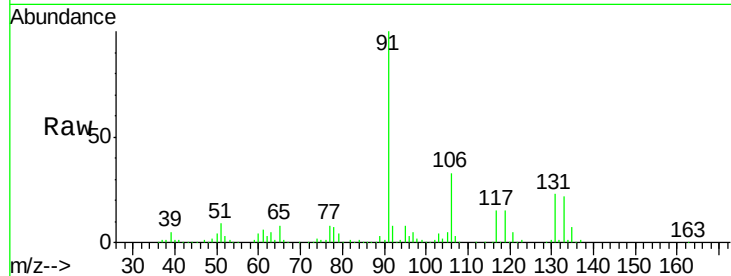
#67  
Ethyl Benzene  
Concen: 49.365 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

Tot Ion: 91 Resp: 657819  
Ion Ratio Lower Upper  
91 100  
106 32.6 25.1 37.7

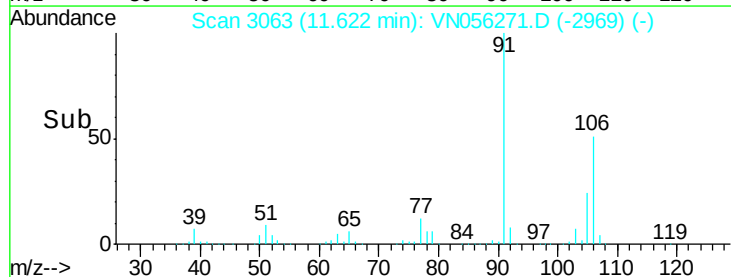
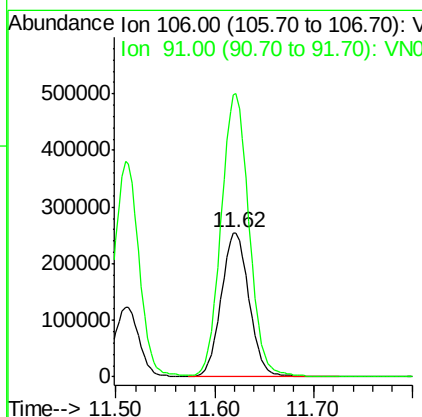
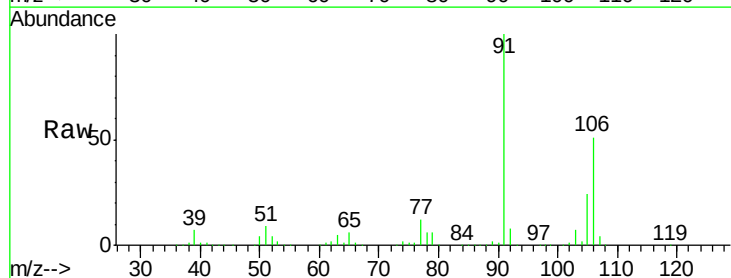
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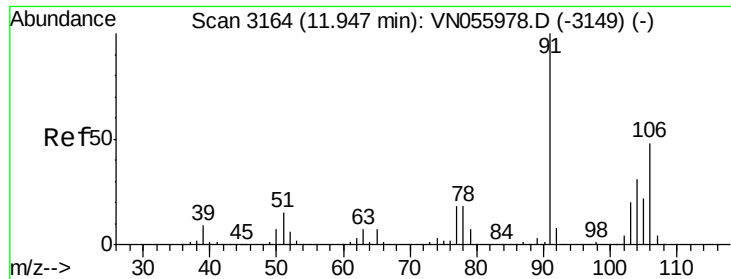
MMDadoda  
6/13/2019 11:09:04 AM



#68  
m/p-Xylenes  
Concen: 99.496 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Tgt Ion: 106 Resp: 506486  
Ion Ratio Lower Upper  
106 100  
91 196.2 159.3 238.9





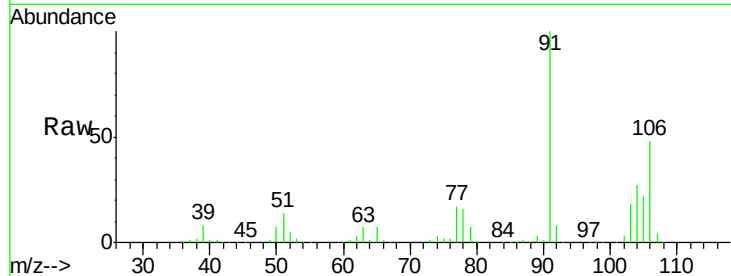
#69  
o-Xylene  
Concen: 49.786 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

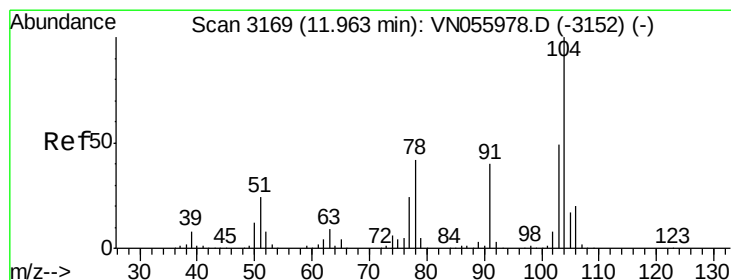
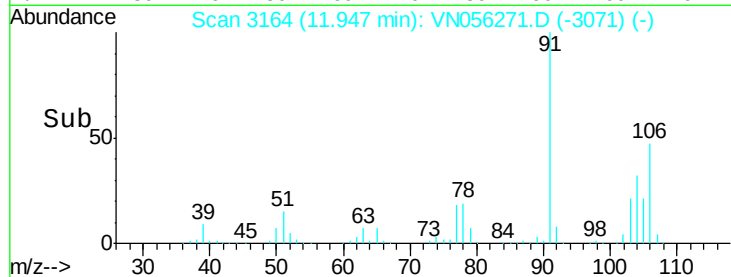
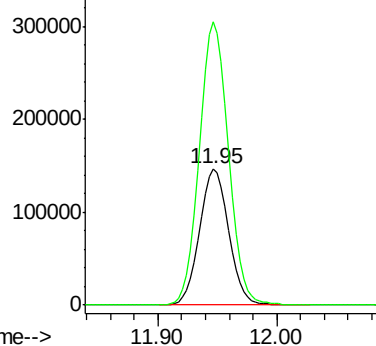
Tot Ion:106 Resp: 249296  
Ion Ratio Lower Upper  
106 100  
91 207.3 104.7 314.1

Manual Integrations  
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MMDadoda  
6/13/2019 11:09:04 AM

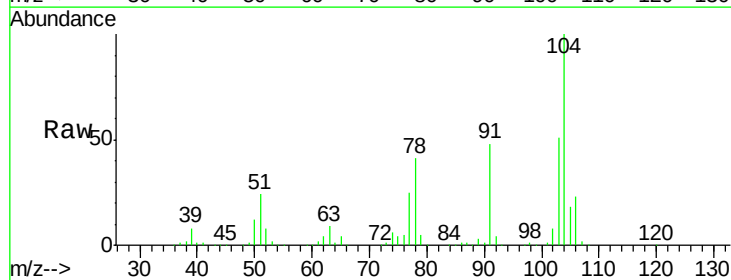


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

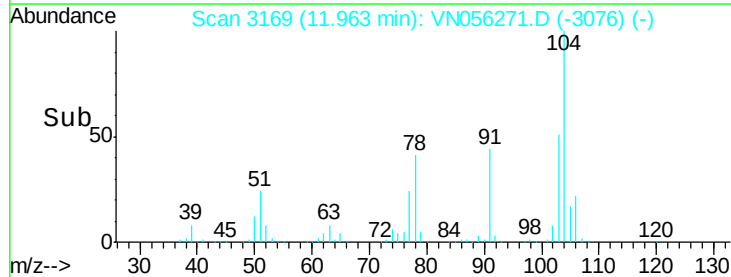
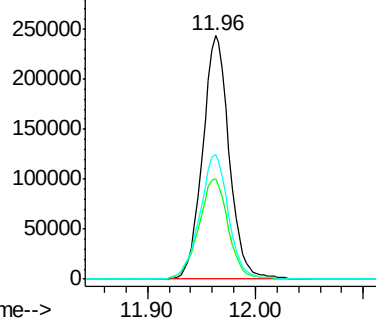


#70  
Styrene  
Concen: 52.669 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

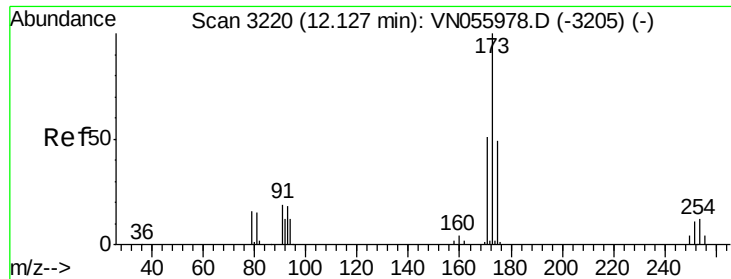
Tgt Ion:104 Resp: 419031  
Ion Ratio Lower Upper  
104 100  
78 45.7 37.8 56.6  
103 55.3 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VN  
Ion 103.00 (102.70 to 103.70): V







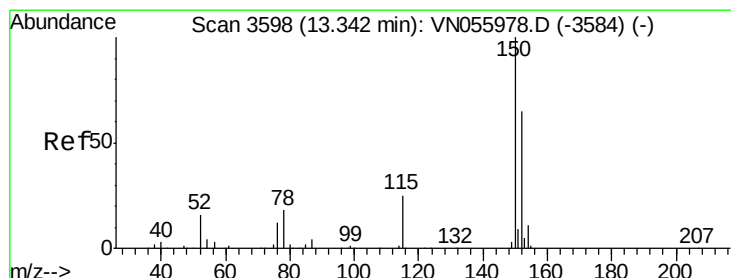
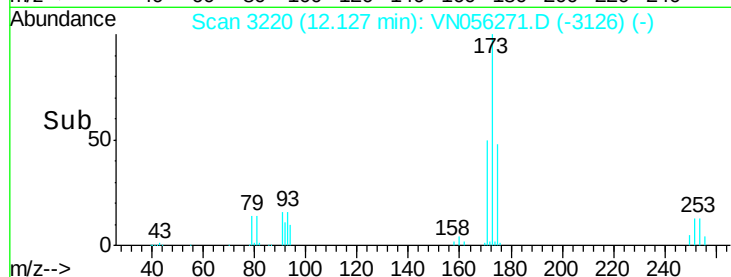
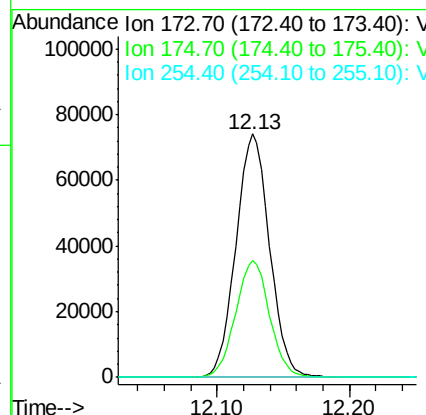
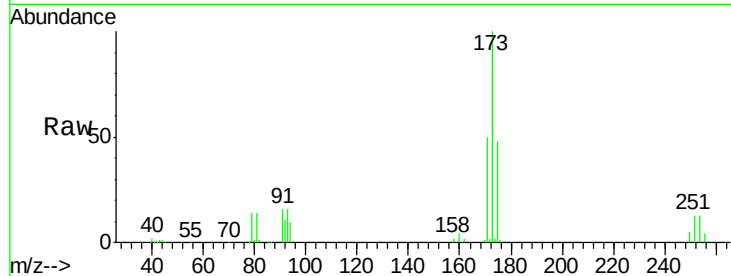
#71  
Bromoform  
Concen: 58.220 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.3  | 24.3  | 72.8  |
| 254     | 0.0   | 0.0   | 0.0   |

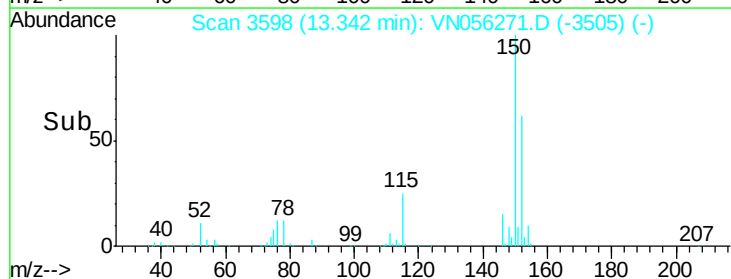
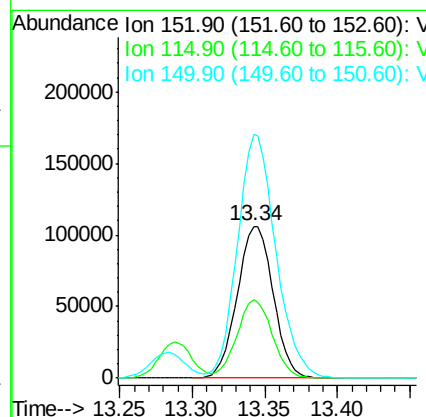
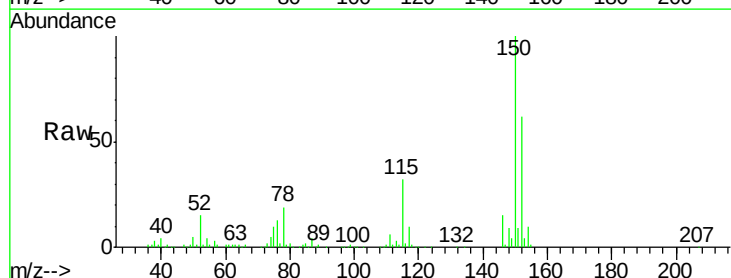
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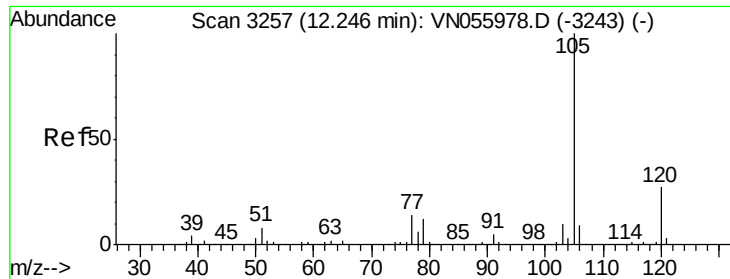
MMDadoda  
6/13/2019 11:09:04 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 50.8  | 27.0  | 81.0  |
| 150     | 171.6 | 0.0   | 343.2 |





#73

Isopropylbenzene

Concen: 50.834 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 658886

Ion Ratio Lower Upper

105 100

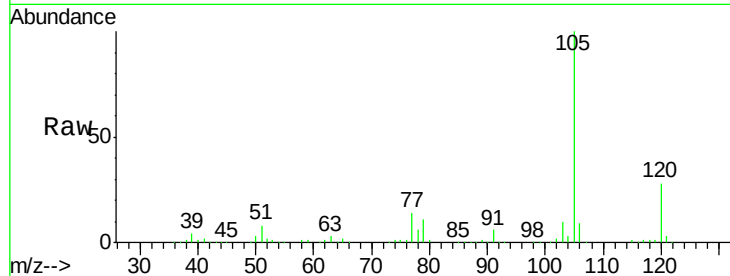
120 27.4 13.6 40.7

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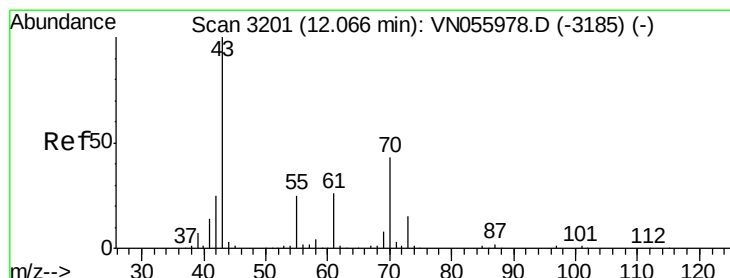
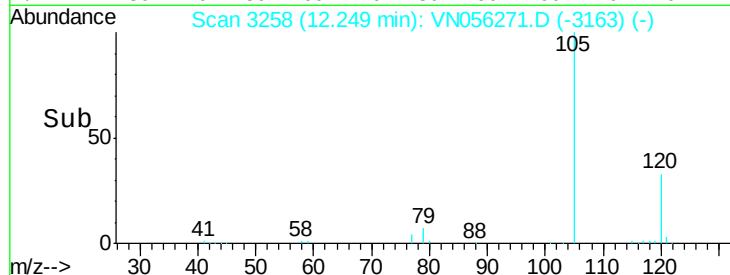
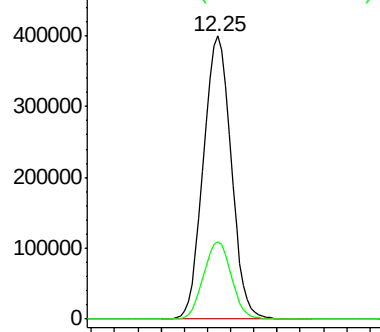
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.039 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

Tgt Ion: 43 Resp: 223340

Ion Ratio Lower Upper

43 100

70 44.7 34.0 51.0

55 25.7 18.6 28.0

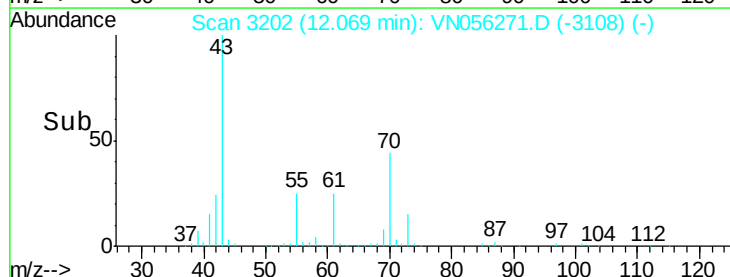
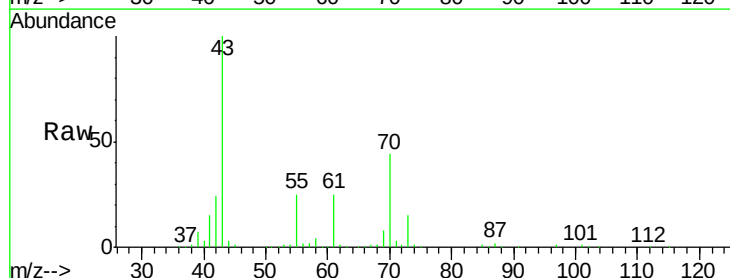
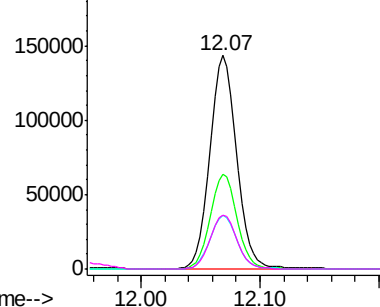
61 25.3 20.0 30.0

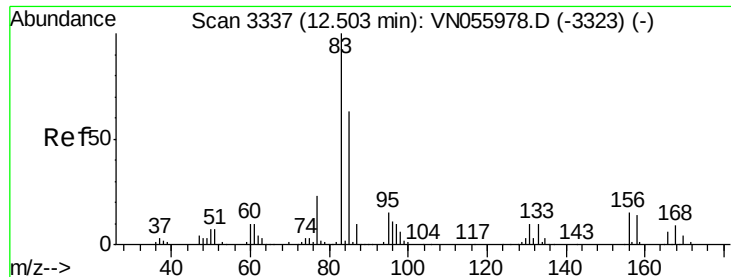
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.240 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

Instrument :

MSVOA\_N

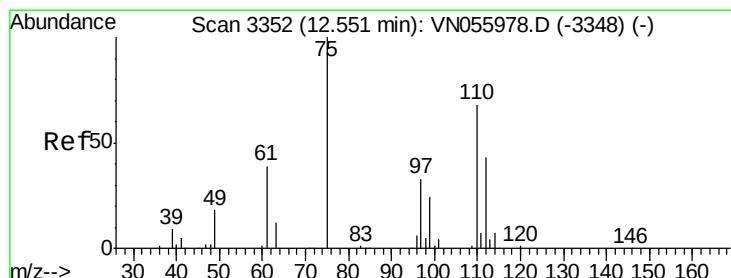
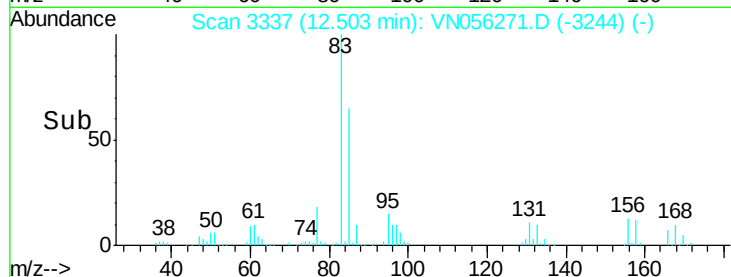
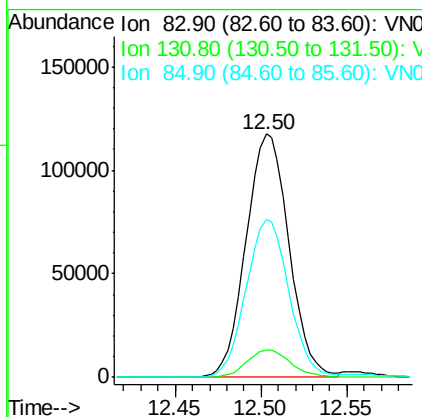
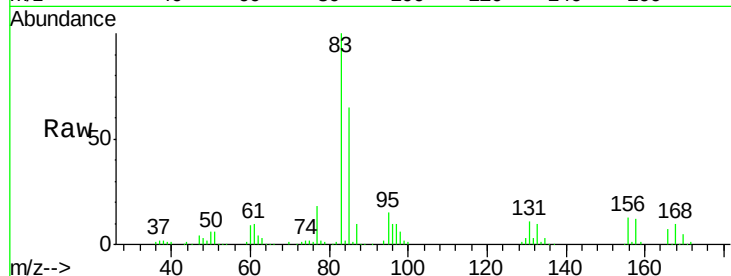
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 203797 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 11.4  | 5.4   | 16.2   |
| 85        | 64.5  | 32.4  | 97.0   |

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#76

1,2,3-Trichloropropane

Concen: 48.939 ug/l m

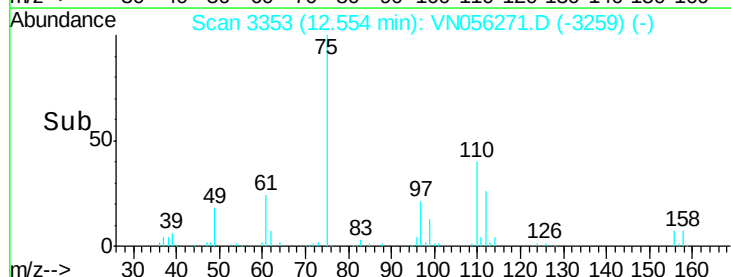
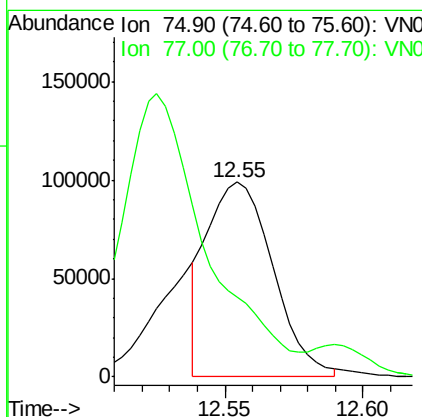
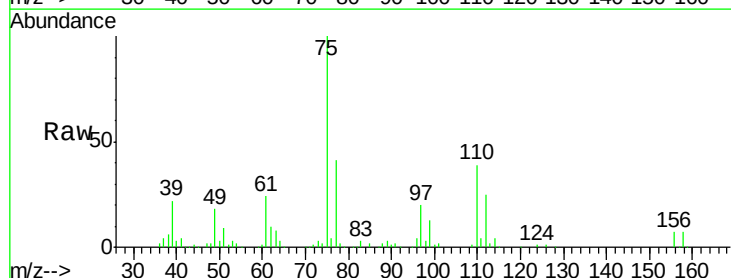
RT: 12.55 min Scan# 3353

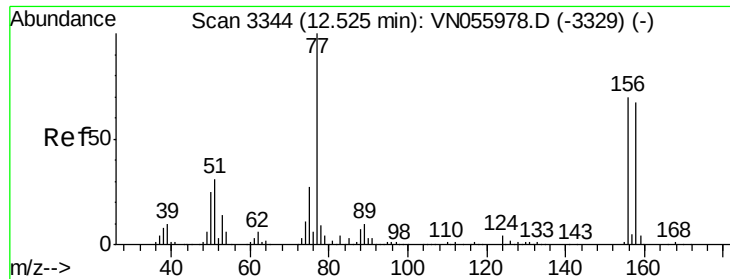
Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 163877 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





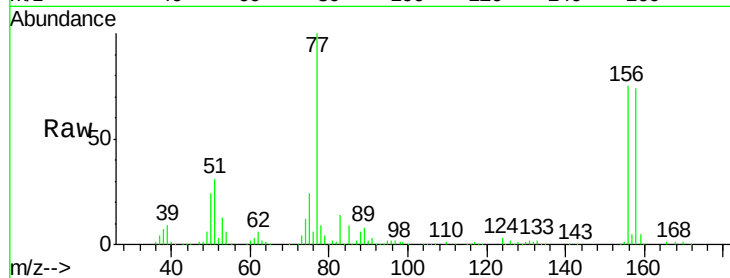
#77  
Bromobenzene  
Concen: 48.377 ug/l  
RT: 12.53 min Scan# 3344  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

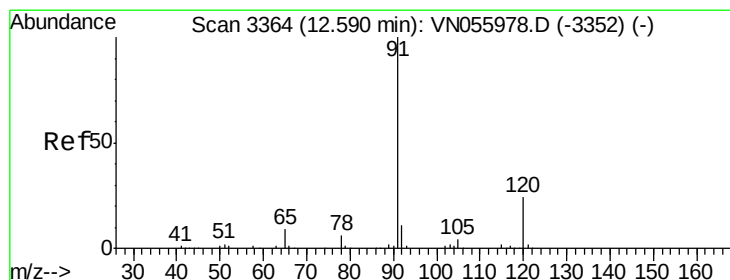
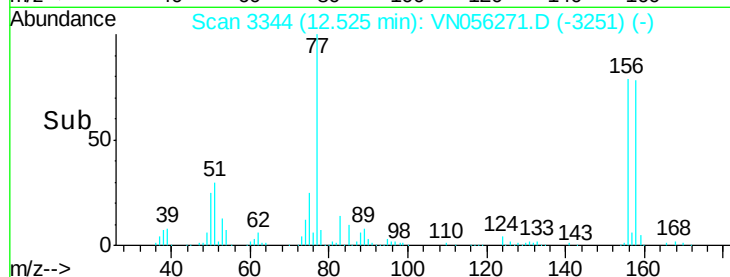
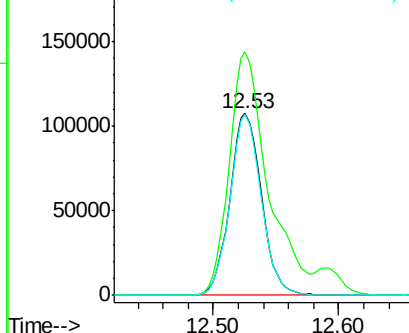
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 163.3 | 90.8  | 272.5 |
| 158     | 97.6  | 49.3  | 147.8 |

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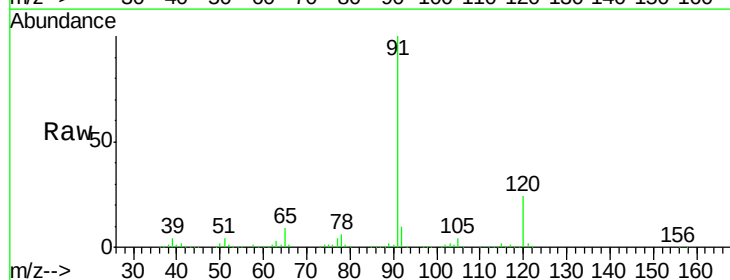


Abundance Ion 155.80 (155.50 to 156.50): V  
Ion 77.00 (76.70 to 77.70): VN  
Ion 157.80 (157.50 to 158.50): V

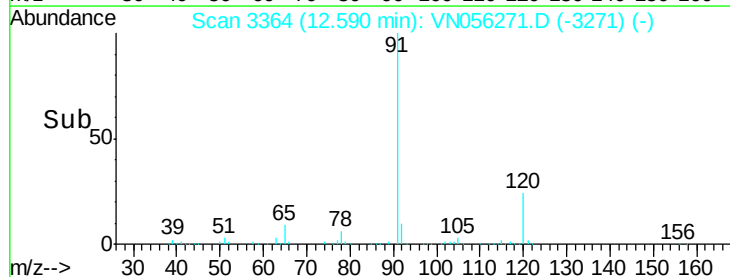
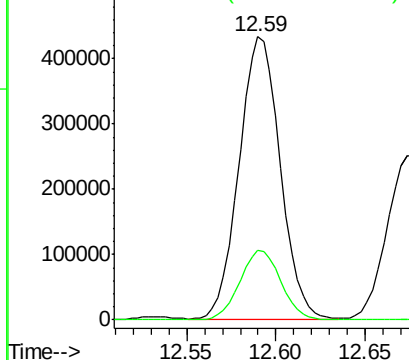


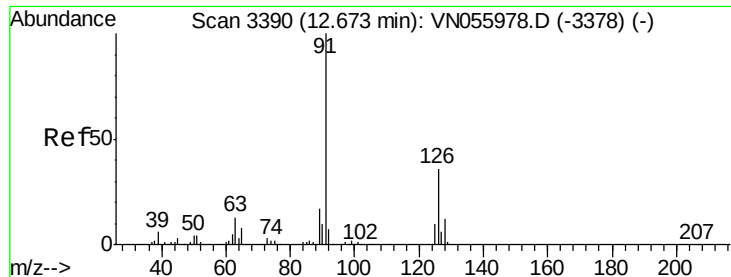
#78  
n-propylbenzene  
Concen: 44.990 ug/l  
RT: 12.59 min Scan# 3364  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 24.8  | 12.0  | 36.0  |



Abundance Ion 91.00 (90.70 to 91.70): VN  
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.698 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 424521

Ion Ratio Lower Upper

91 100

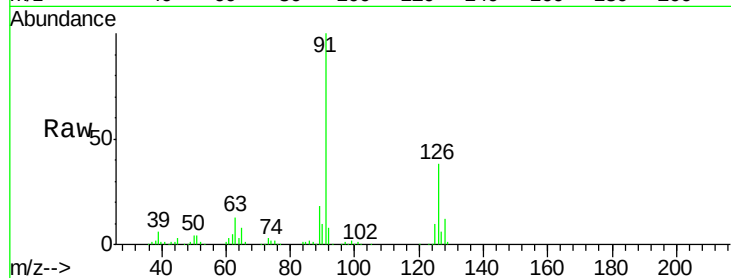
126 38.1 18.1 54.4

Manual Integrations

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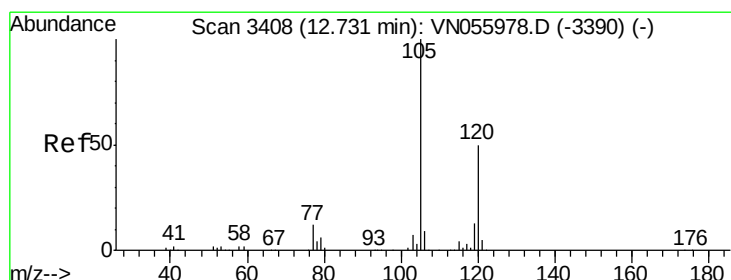
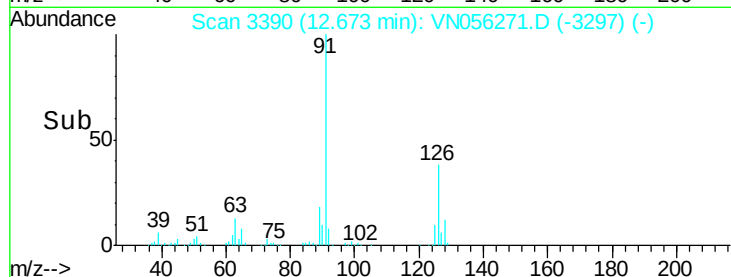
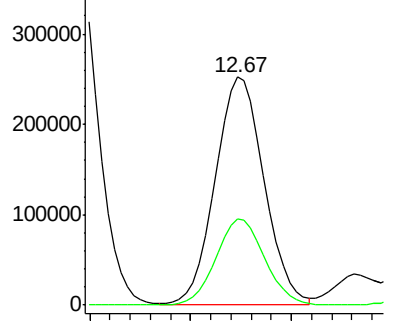
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Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 44.192 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056271.D

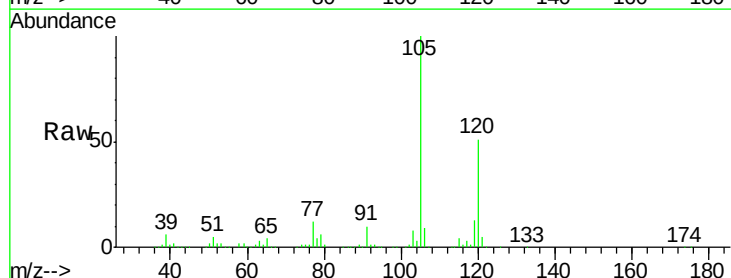
Acq: 13 Jun 2019 00:10

Tgt Ion: 105 Resp: 540723

Ion Ratio Lower Upper

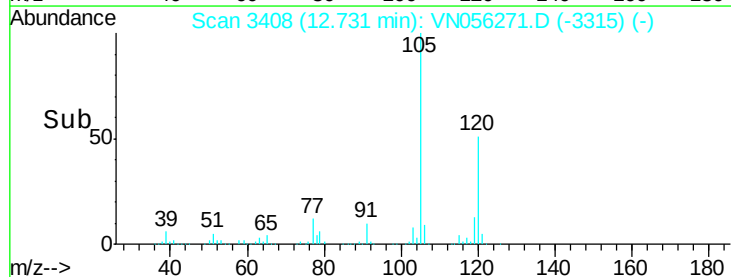
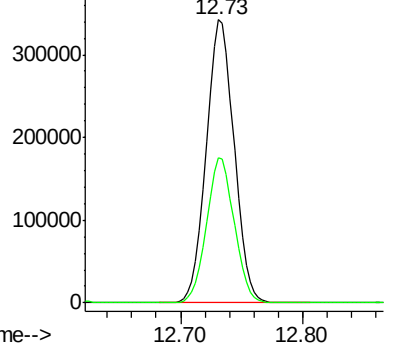
105 100

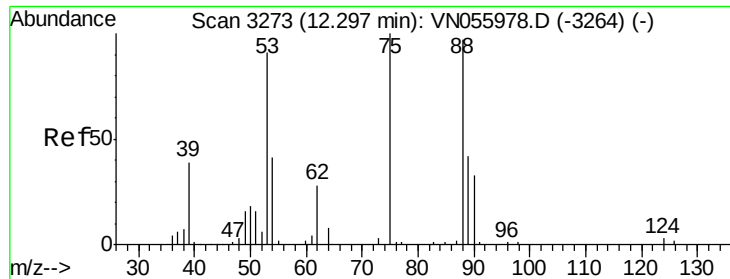
120 50.9 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055978.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.932 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

Instrument :

MSVOA\_N

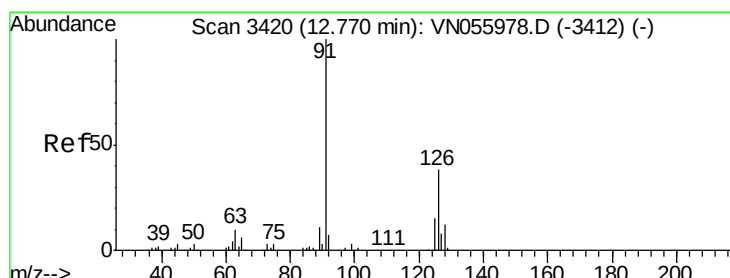
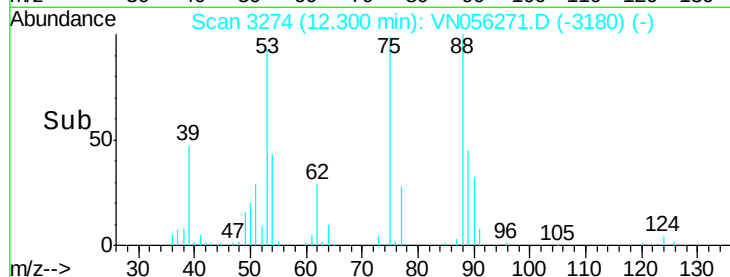
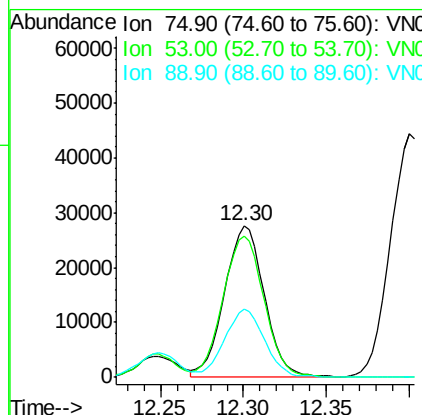
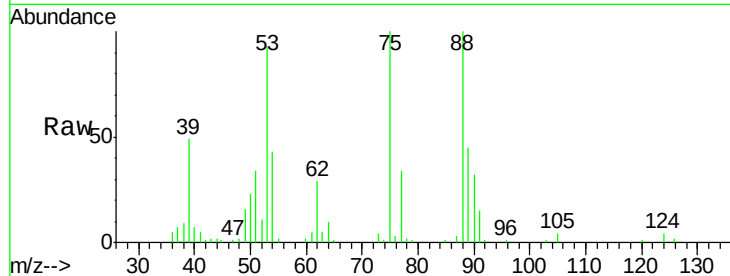
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 46186 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 96.4  | 68.1  | 102.1 |
| 89       | 45.2  | 36.9  | 55.3  |

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#82

4-Chlorotoluene

Concen: 45.466 ug/l

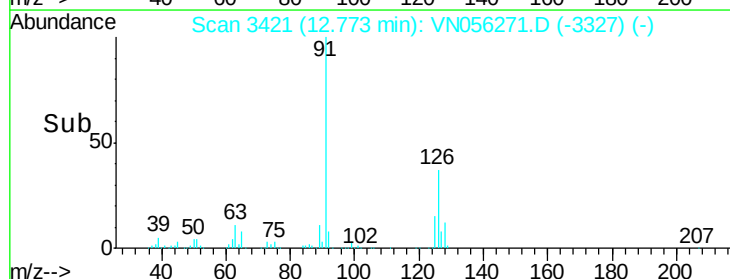
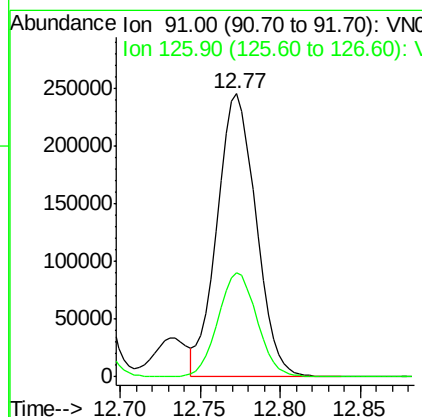
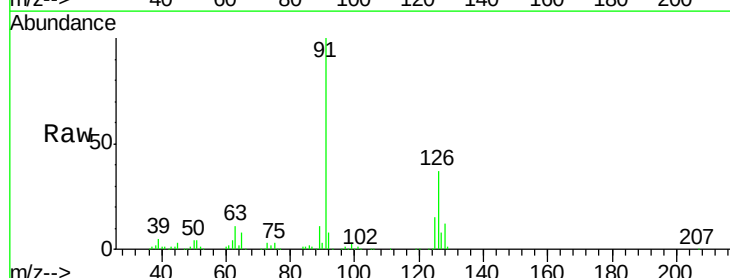
RT: 12.77 min Scan# 3421

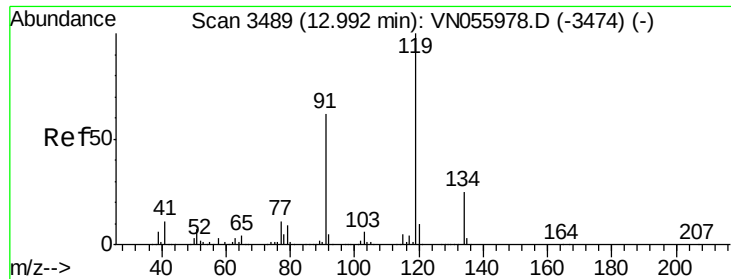
Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 409522 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 36.8  | 17.8  | 53.3   |





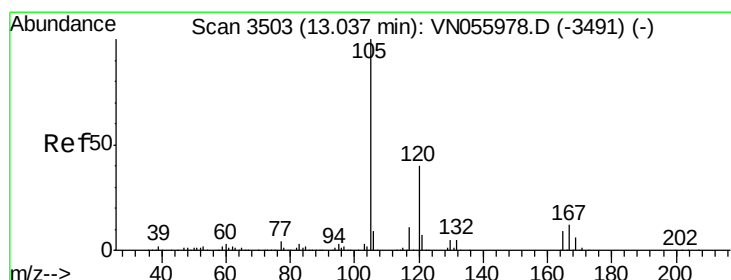
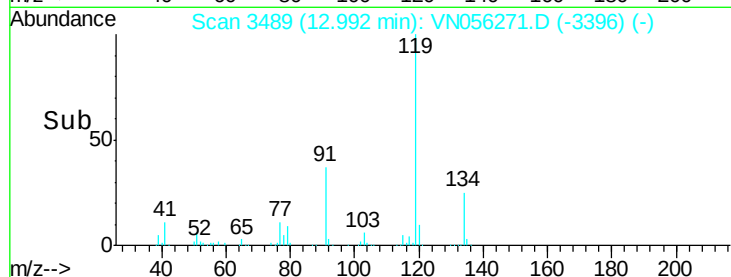
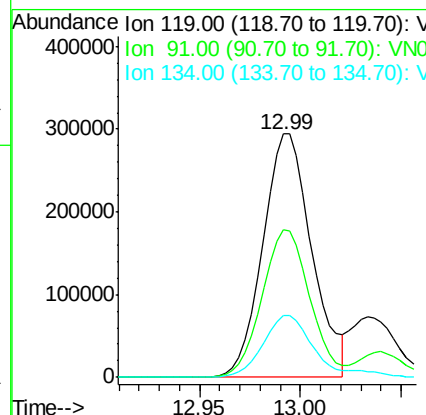
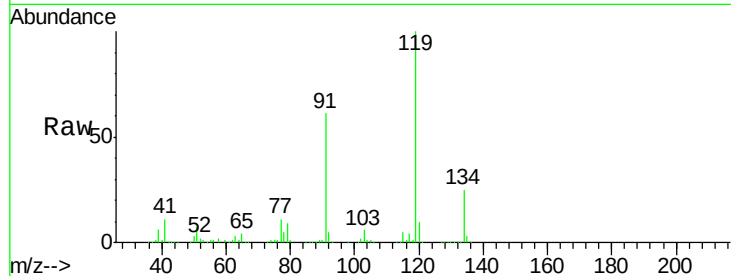
#83  
 tert-Butylbenzene  
 Concen: 52.521 ug/l  
 RT: 12.99 min Scan# 3489  
 Delta R.T. 0.00 min  
 Lab File: VN056271.D  
 Acq: 13 Jun 2019 00:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 497315 |       |       |
| 91      | 59.0  |        | 30.9  | 92.8  |
| 134     | 27.0  |        | 13.3  | 39.8  |

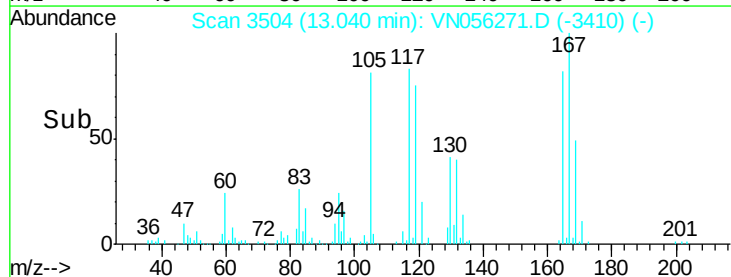
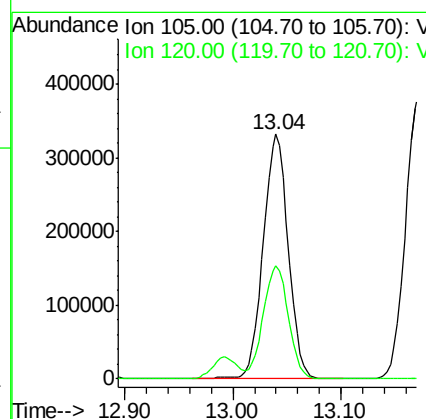
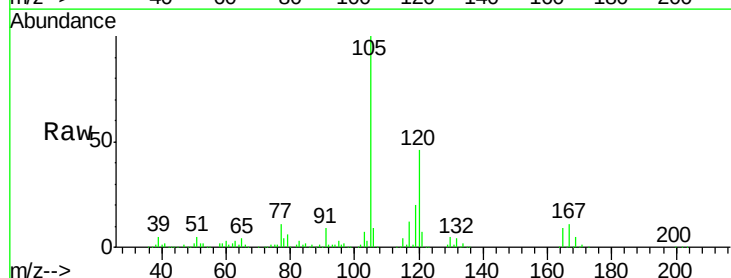
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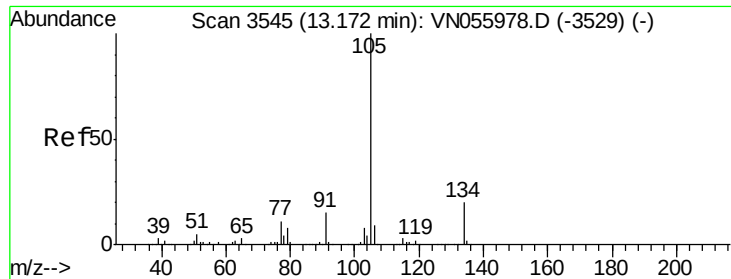
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 45.867 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN056271.D  
 Acq: 13 Jun 2019 00:10

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 532207 |       |       |
| 120     | 46.8  |        | 23.0  | 69.0  |





#85

sec-Butylbenzene

Concen: 45.376 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 618675

Ion Ratio Lower Upper

105 100

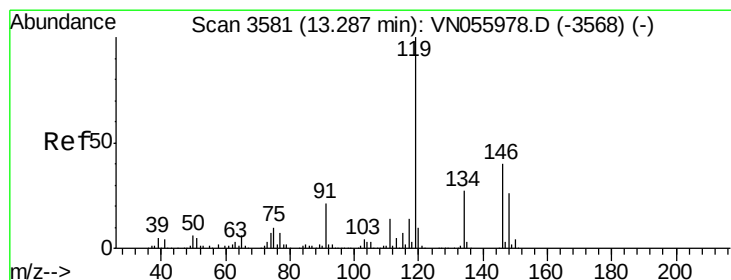
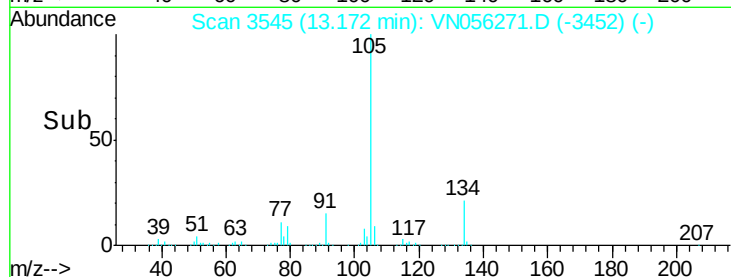
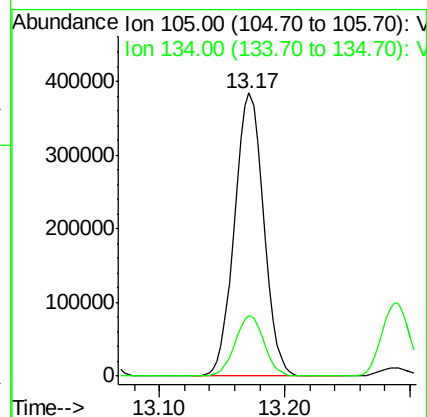
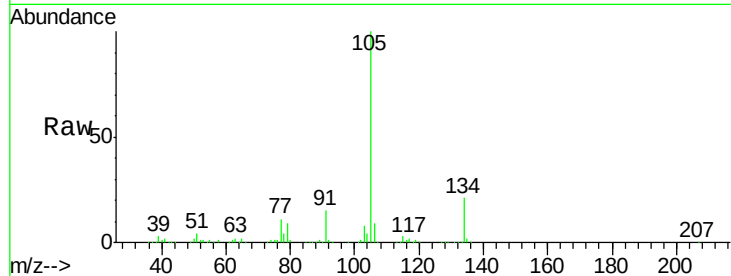
134 21.3 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 45.787 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

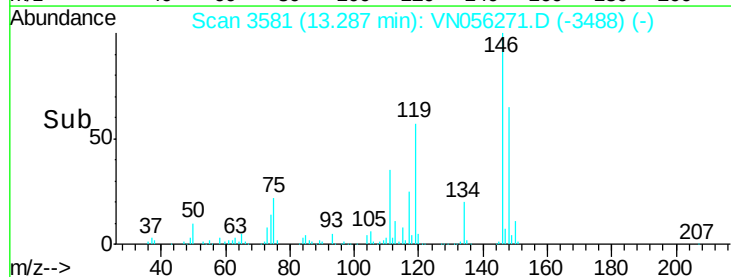
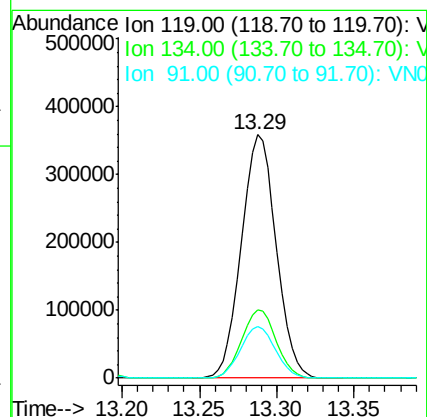
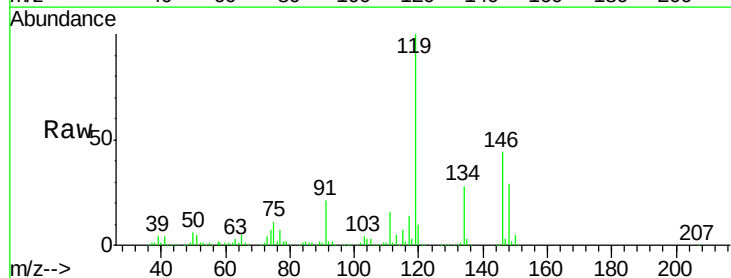
Tgt Ion:119 Resp: 558708

Ion Ratio Lower Upper

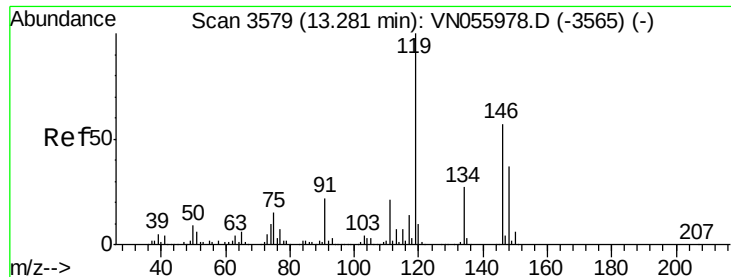
119 100

134 27.9 13.4 40.1

91 21.4 10.9 32.9







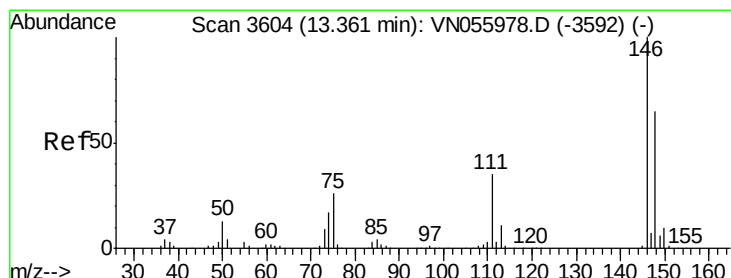
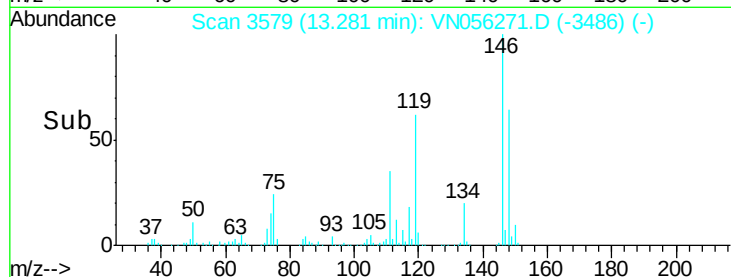
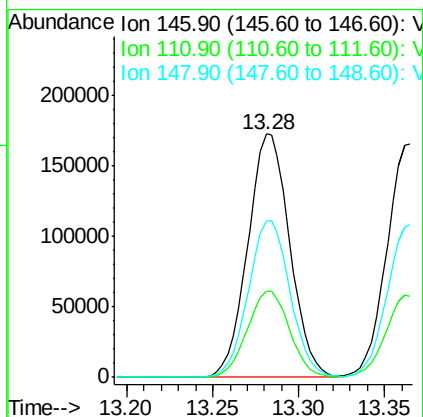
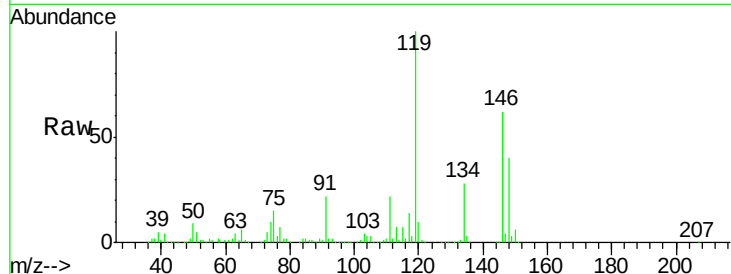
#87  
 1,3-Dichlorobenzene  
 Concen: 48.505 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN056271.D  
 Acq: 13 Jun 2019 00:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 35.6  | 18.5  | 55.5  |
| 148     | 64.3  | 32.0  | 96.2  |

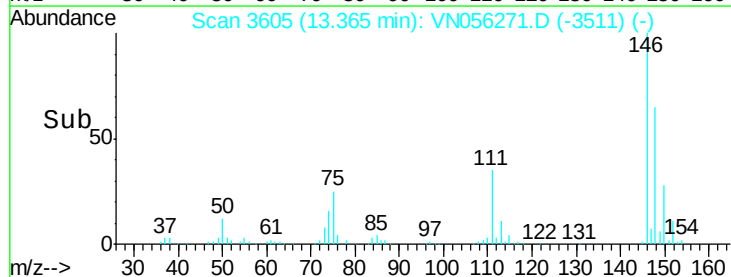
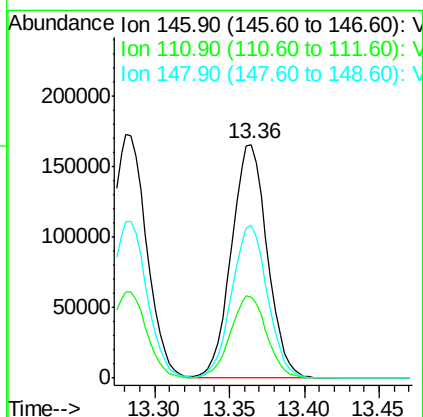
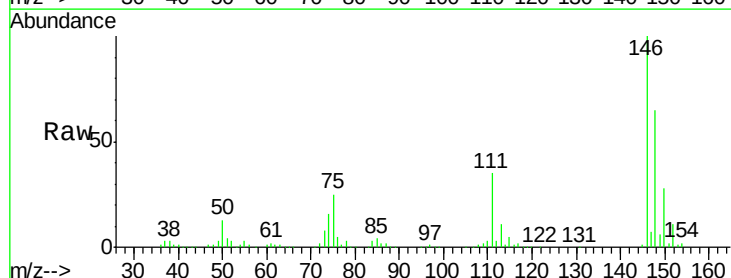
Manual Integrations  
 APPROVED

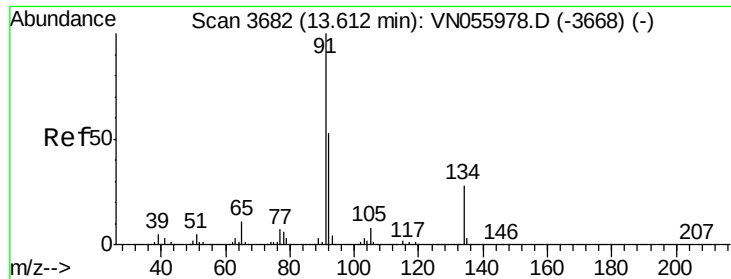
MMDadoda  
 6/13/2019 11:09:04 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 47.830 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN056271.D  
 Acq: 13 Jun 2019 00:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 35.3  | 18.1  | 54.4  |
| 148     | 65.2  | 32.1  | 96.5  |





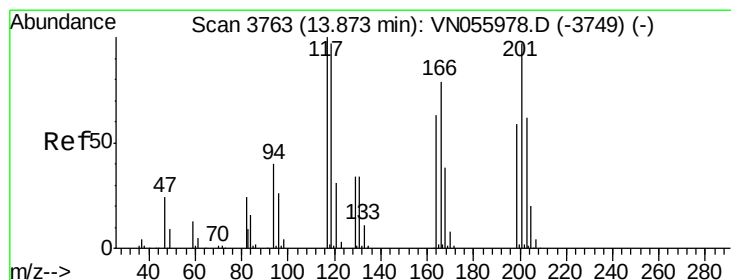
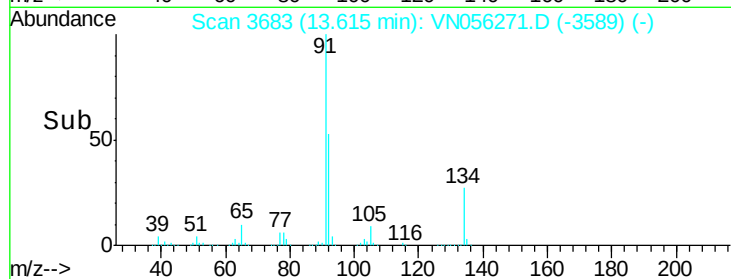
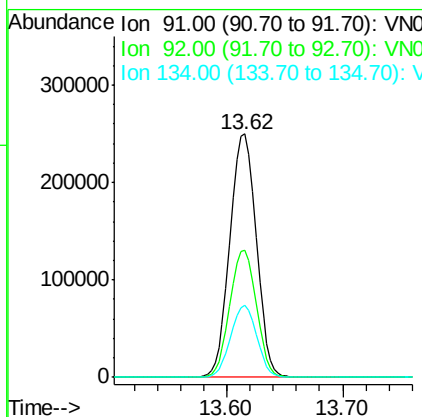
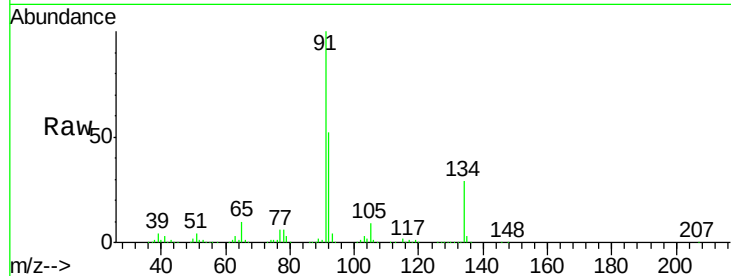
#89  
n-Butylbenzene  
Concen: 43.538 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.5  | 26.4  | 79.0  |
| 134     | 29.1  | 13.9  | 41.7  |

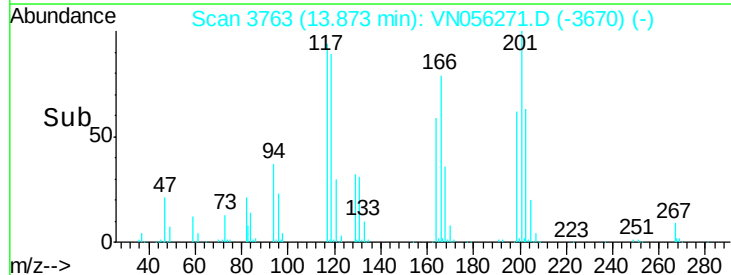
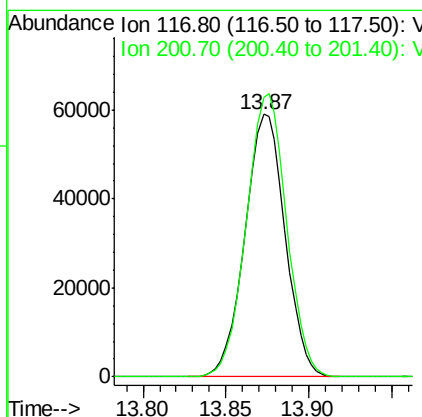
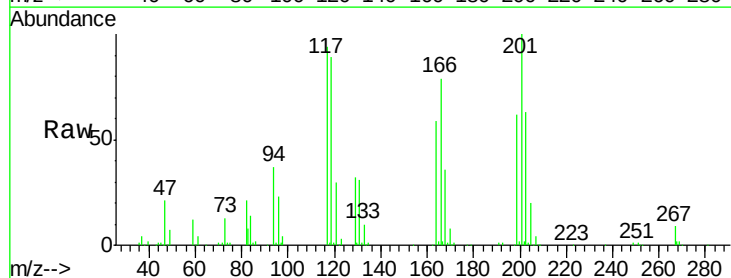
Manual Integrations  
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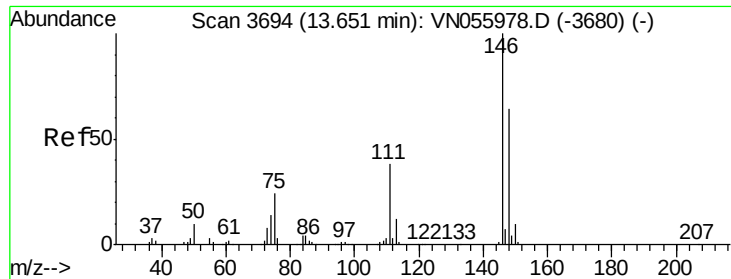
MMDadoda  
6/13/2019 11:09:04 AM



#90  
Hexachloroethane  
Concen: 53.917 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN056271.D  
Acq: 13 Jun 2019 00:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 108.2 | 50.0  | 150.0 |





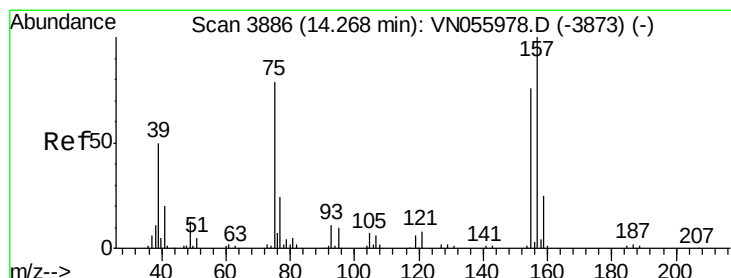
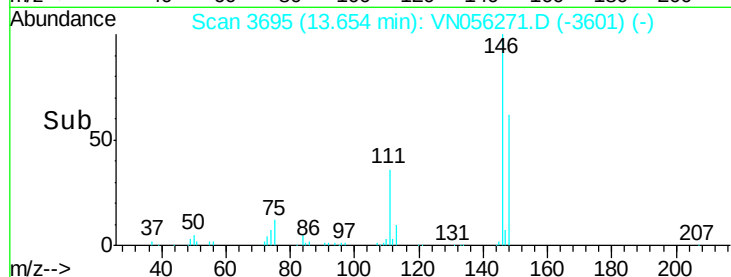
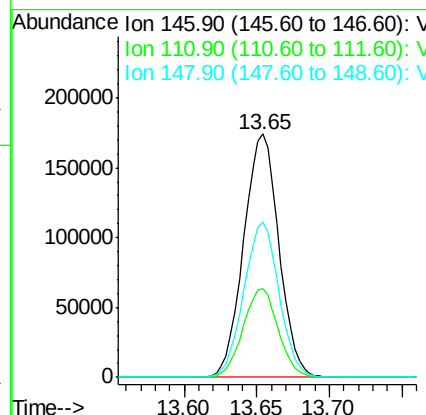
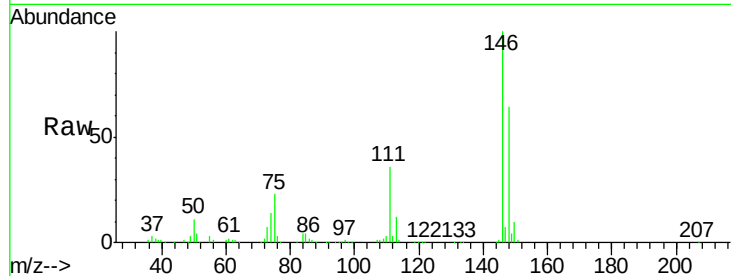
#91  
 1,2-Dichlorobenzene  
 Concen: 48.326 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN056271.D  
 Acq: 13 Jun 2019 00:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.5  | 19.1  | 57.5  |
| 148     | 63.7  | 31.9  | 95.9  |

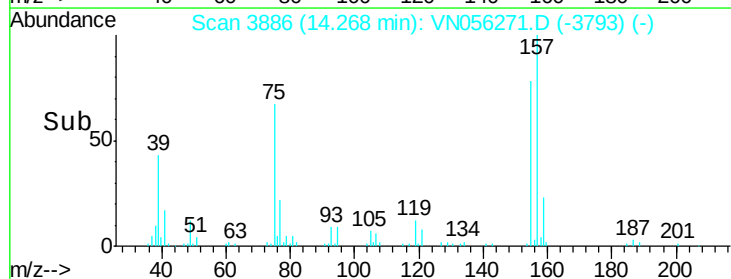
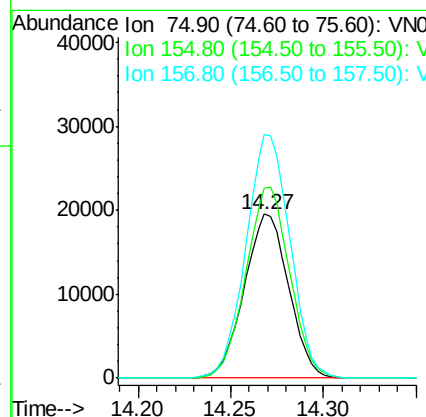
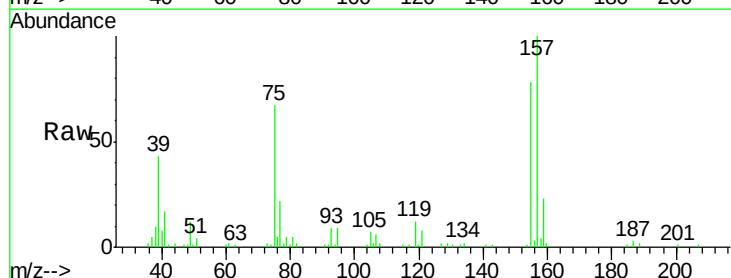
Manual Integrations  
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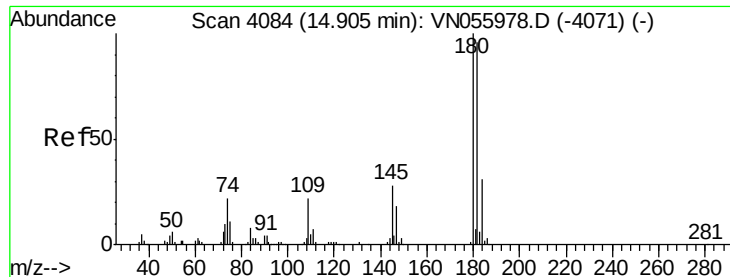
MMDadoda  
 6/13/2019 11:09:04 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 53.863 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. 0.00 min  
 Lab File: VN056271.D  
 Acq: 13 Jun 2019 00:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 114.6 | 50.0  | 150.1 |
| 157     | 146.9 | 64.8  | 194.3 |





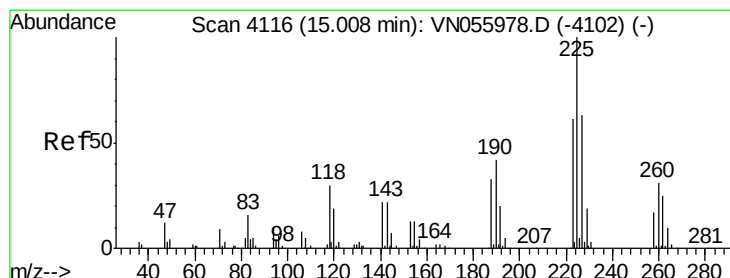
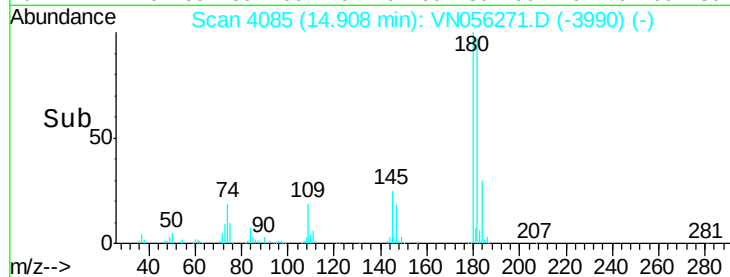
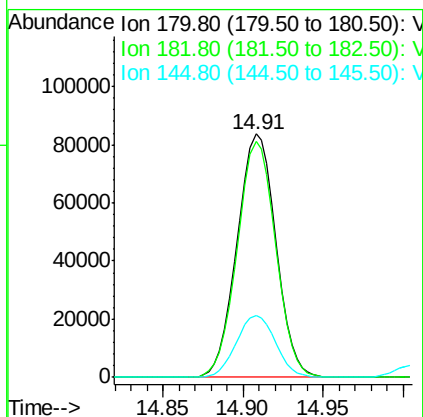
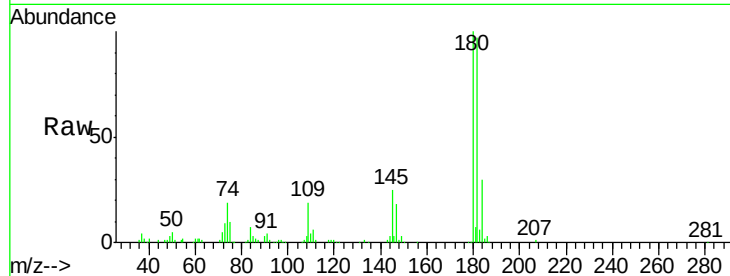
#93  
 1,2,4-Trichlorobenzene  
 Concen: 41.955 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN056271.D  
 Acq: 13 Jun 2019 00:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.9  | 48.3  | 144.9 |
| 145     | 25.7  | 14.0  | 41.9  |

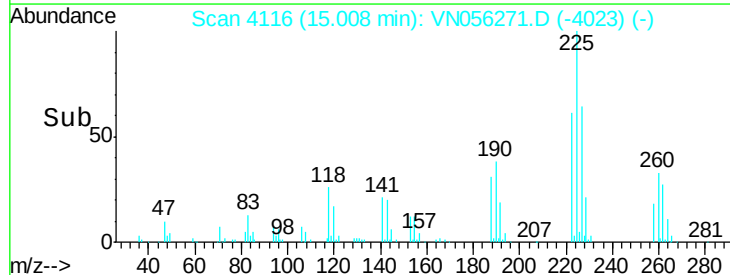
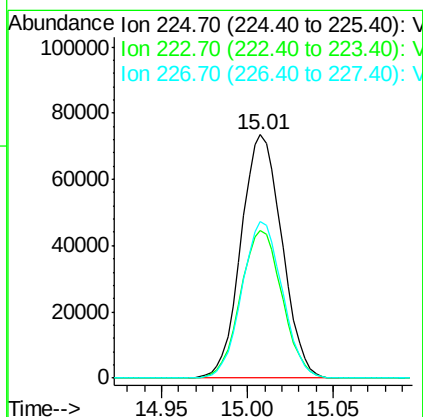
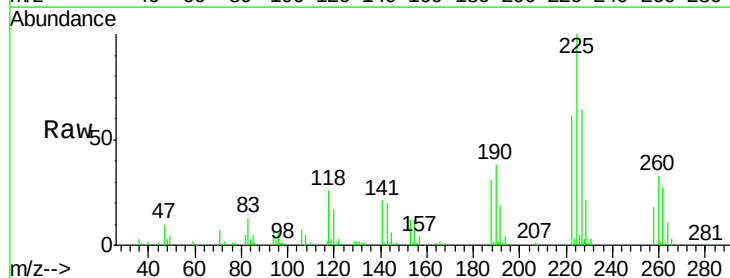
Manual Integrations  
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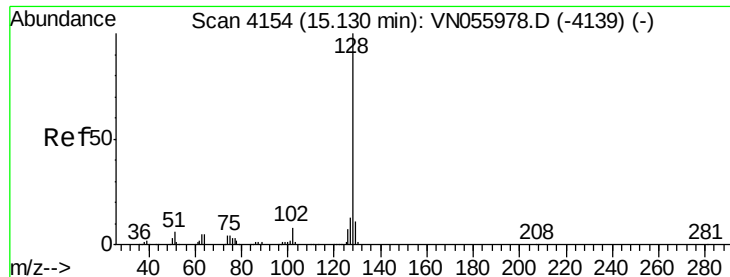
MMDadoda  
 6/13/2019 11:09:04 AM



#94  
 Hexachlorobutadiene  
 Concen: 58.491 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN056271.D  
 Acq: 13 Jun 2019 00:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.7  | 30.9  | 92.7  |
| 227     | 63.6  | 31.6  | 94.7  |





#95

Naphthalene

Concen: 40.853 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

Instrument :

MSVOA\_N

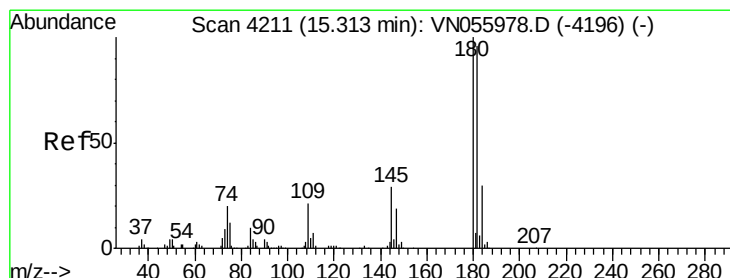
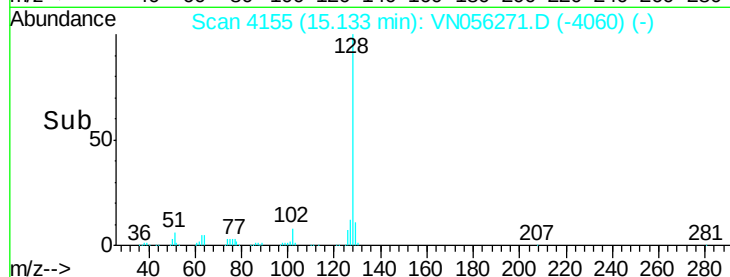
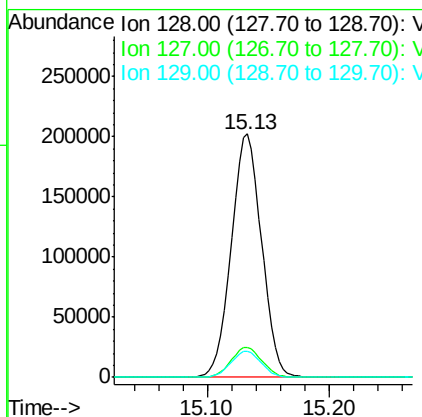
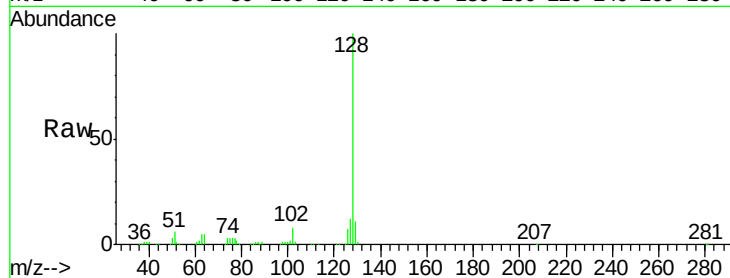
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 348958 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.5  | 10.3  | 15.5   |
| 129       | 10.7  | 8.7   | 13.1   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 45.715 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056271.D

Acq: 13 Jun 2019 00:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 155361 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 98.4  | 47.9  | 143.7  |
| 145       | 27.9  | 14.9  | 44.7   |

