

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071719\  
 Data File : VN056783.D  
 Acq On : 17 Jul 2019 8:55  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 7/19/2019 1:06:31 AM

Quant Time: Jul 18 01:15:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 16 07:03:34 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 325089   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 480526   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 430077   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 200067   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 175712   | 48.86 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.72%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 153377   | 51.29 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.58% |          |
| 50) Toluene-d8              | 10.09 | 98   | 598806   | 51.85 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.70% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 207639   | 53.31 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.62% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85   | 140458   | 46.013  | ug/l  | 98     |
| 3) Chloromethane              | 2.06 | 50   | 186310   | 45.397  | ug/l  | 100    |
| 4) Vinyl Chloride             | 2.18 | 62   | 184174   | 46.601  | ug/l  | 99     |
| 5) Bromomethane               | 2.55 | 94   | 111775   | 48.094  | ug/l  | 95     |
| 6) Chloroethane               | 2.69 | 64   | 105861   | 45.967  | ug/l  | 99     |
| 7) Trichlorofluoromethane     | 3.01 | 101  | 239690   | 47.265  | ug/l  | 99     |
| 8) Diethyl Ether              | 3.40 | 74   | 95301    | 48.202  | ug/l  | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101  | 151074   | 49.586  | ug/l  | 100    |
| 10) Methyl Iodide             | 3.95 | 142  | 204722   | 50.237  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 4.78 | 59   | 144899   | 242.086 | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 3.73 | 96   | 144587   | 47.312  | ug/l  | 99     |
| 13) Acrolein                  | 3.60 | 56   | 46066    | 226.389 | ug/l  | 96     |
| 14) Allyl chloride            | 4.32 | 41   | 252847   | 47.842  | ug/l  | 100    |
| 15) Acrylonitrile             | 4.98 | 53   | 421742   | 243.993 | ug/l  | 99     |
| 16) Acetone                   | 3.81 | 43   | 463643   | 279.793 | ug/l  | 100    |
| 17) Carbon Disulfide          | 4.05 | 76   | 372460   | 46.121  | ug/l  | 100    |
| 18) Methyl Acetate            | 4.32 | 43   | 174838   | 46.918  | ug/l  | 99     |
| 19) Methyl tert-butyl Ether   | 5.04 | 73   | 464543   | 47.708  | ug/l  | 99     |
| 20) Methylene Chloride        | 4.55 | 84   | 170871   | 47.185  | ug/l  | 99     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96   | 156623   | 48.484  | ug/l  | 96     |
| 22) Diisopropyl ether         | 5.95 | 45   | 520403   | 49.886  | ug/l  | 96     |
| 23) Vinyl Acetate             | 5.89 | 43   | 2139620  | 253.108 | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 5.85 | 63   | 292721   | 48.399  | ug/l  | 99     |
| 25) 2-Butanone                | 6.83 | 43   | 614290   | 253.557 | ug/l  | 100    |
| 26) 2,2-Dichloropropane       | 6.82 | 77   | 225127   | 51.623  | ug/l  | 99     |
| 27) cis-1,2-Dichloroethene    | 6.82 | 96   | 183923   | 49.480  | ug/l  | 99     |
| 28) Bromochloromethane        | 7.19 | 49   | 146305   | 51.449  | ug/l  | 97     |
| 29) Tetrahydrofuran           | 7.21 | 42   | 371182   | 234.904 | ug/l  | 98     |
| 30) Chloroform                | 7.37 | 83   | 288946   | 47.741  | ug/l  | 99     |
| 31) Cyclohexane               | 7.65 | 56   | 278194   | 48.394  | ug/l  | 100    |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97   | 240674   | 50.282  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75   | 222117   | 49.952  | ug/l  | 100    |
| 37) Ethyl Acetate             | 6.92 | 43   | 219920   | 50.181  | ug/l  | 98     |
| 38) Carbon Tetrachloride      | 7.77 | 117  | 209236   | 50.176  | ug/l  | 97     |

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 Acq On : 17 Jul 2019 8:55  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 7/19/2019 1:06:31 AM

Quant Time: Jul 18 01:15:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 16 07:03:34 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 283705   | 51.672   | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 678875   | 49.827   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.18  | 41   | 95064m   | 49.382   | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 212771   | 49.413   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.16  | 43   | 352393   | 51.147   | ug/l   | 100      |
| 44) Trichloroethene            | 8.83  | 130  | 186276   | 50.347   | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 183537   | 50.697   | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 115593   | 51.524   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 220094   | 51.626   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 168725   | 50.638   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 72997    | 1067.700 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 1114259  | 249.701  | ug/l   | 100      |
| 52) Toluene                    | 10.15 | 92   | 420443   | 51.962   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 239495   | 53.845   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 272220   | 52.741   | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 167773   | 49.436   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 259944   | 53.233   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 282767   | 51.014   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 593050   | 252.556  | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.75 | 43   | 847117   | 264.566  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 179085   | 53.655   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 175790   | 52.120   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 187737   | 50.598   | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 449406   | 51.104   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 167091   | 51.606   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 797399   | 51.596   | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 601514   | 104.145  | ug/l   | 98       |
| 69) o-Xylene                   | 11.94 | 106  | 291220   | 51.287   | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 495488   | 53.974   | ug/l   | 100      |
| 71) Bromoform                  | 12.12 | 173  | 132548   | 53.803   | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 776667   | 48.146   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 289227   | 48.142   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 240671   | 51.583   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 207454m  | 47.410   | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 203262   | 48.173   | ug/l   | 98       |
| 78) n-propylbenzene            | 12.59 | 91   | 880505   | 49.166   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 524772   | 53.129   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 667100   | 48.793   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 72906    | 51.456   | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 524735   | 49.928   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 570383   | 53.622   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 669470   | 50.122   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 757688   | 49.873   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 692351   | 50.307   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 345174   | 49.918   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 338141   | 50.273   | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.61 | 91   | 586690   | 52.922   | ug/l   | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 111525   | 50.110   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 345371   | 48.835   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 41205    | 47.635   | ug/l   | 99       |

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Data File : VN056783.D  
Acq On : 17 Jul 2019 8:55  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

MMDadoda  
7/19/2019 1:06:31 AM

Quant Time: Jul 18 01:15:35 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071519W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 16 07:03:34 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 181026   | 46.604 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 122019   | 55.046 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 443647   | 42.168 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 176578   | 45.818 | ug/l  | 98       |

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

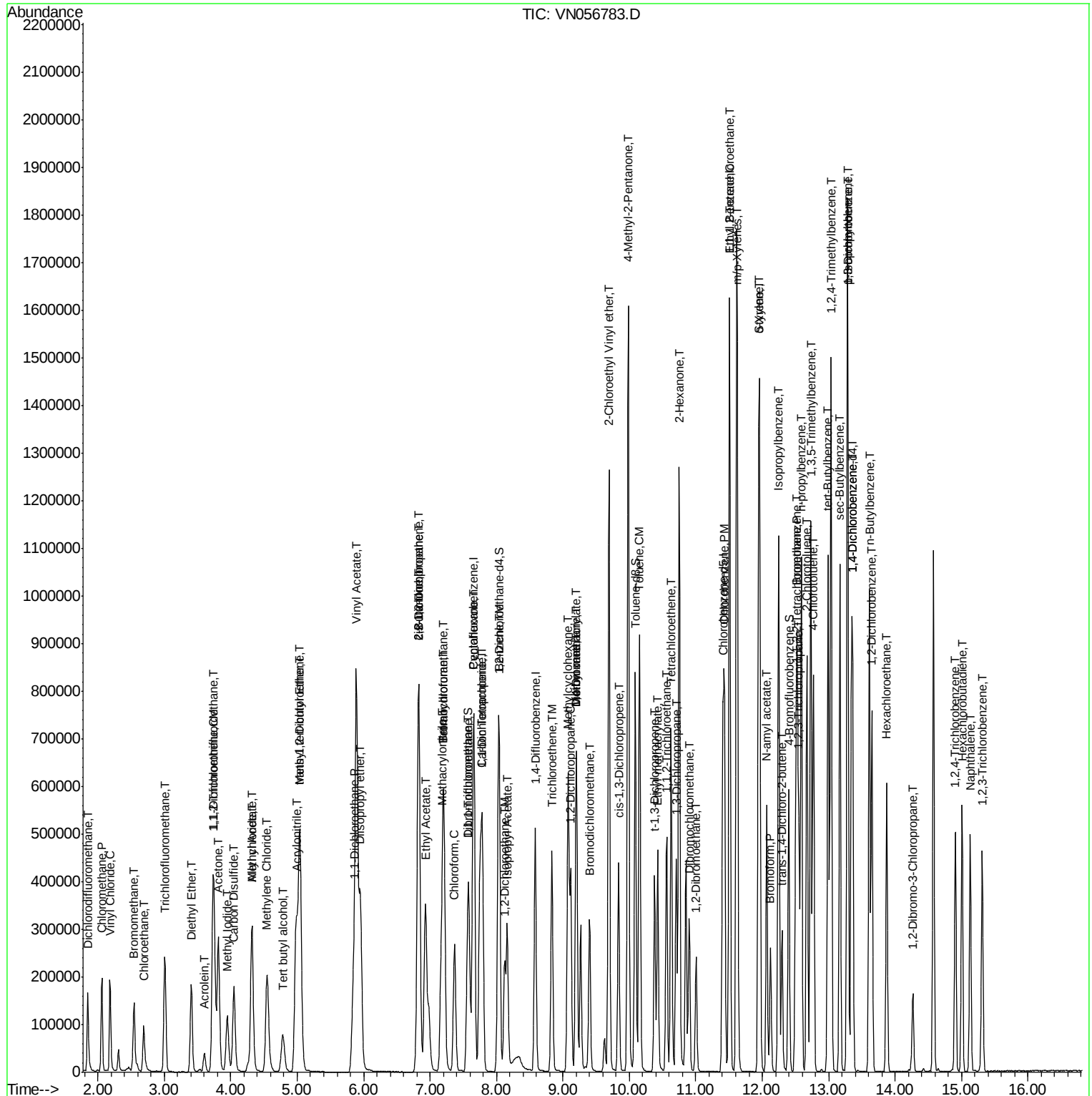
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Data File : VN056783.D  
Acq On : 17 Jul 2019 8:55  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 1

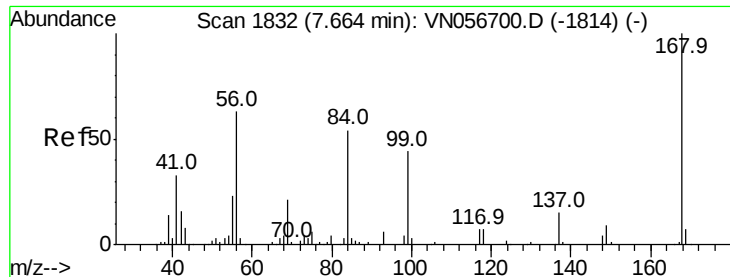
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
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MMDadoda  
7/19/2019 1:06:31 AM

Quant Time: Jul 18 01:15:35 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N071519W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 16 07:03:34 2019  
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: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 325089

Ion Ratio Lower Upper

168 100

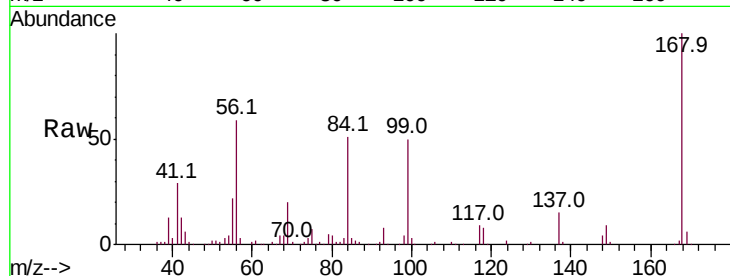
99 49.6 39.4 59.2

Manual Integrations

APPROVED

MMDadoda

7/19/2019 1:06:31 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

100000

50000

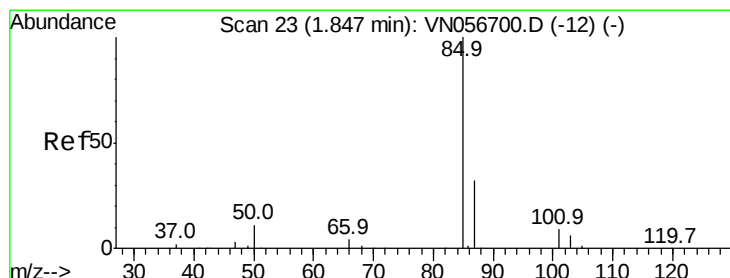
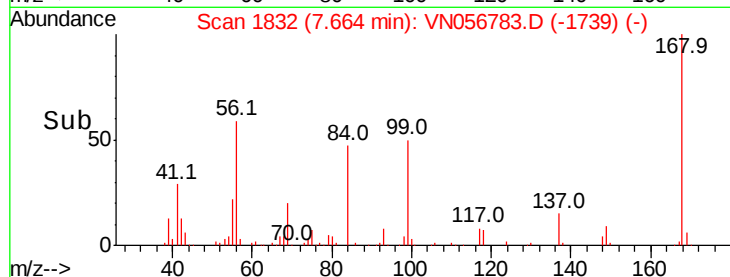
0

7.66

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.013 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056783.D

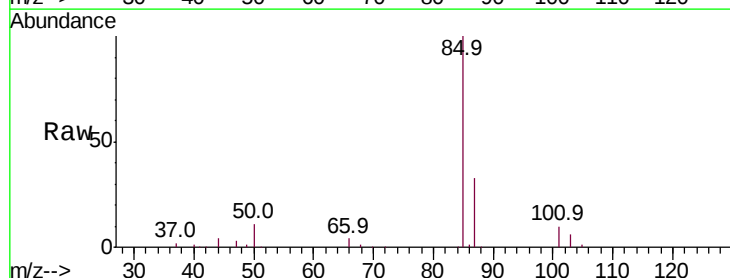
Acq: 17 Jul 2019 8:55

Tgt Ion: 85 Resp: 140458

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

100000

80000

60000

40000

20000

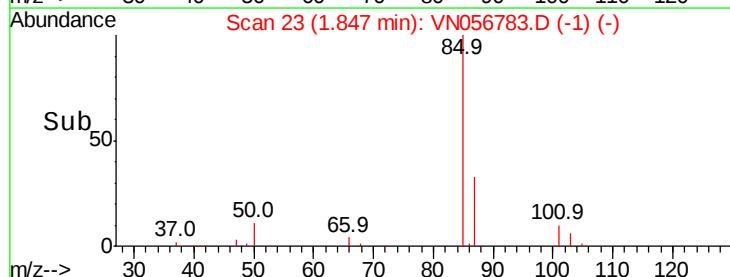
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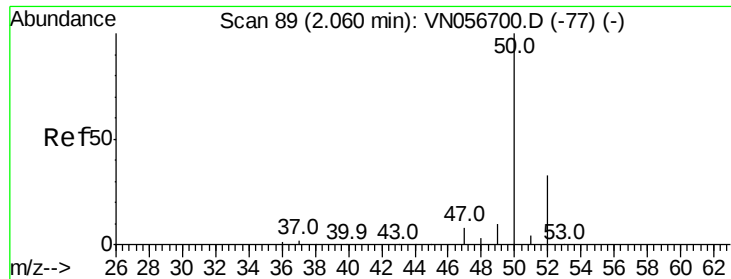
1.85

1.90

2.00

Time-->





#3

Chloromethane

Concen: 45.397 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 186310

Ion Ratio Lower Upper

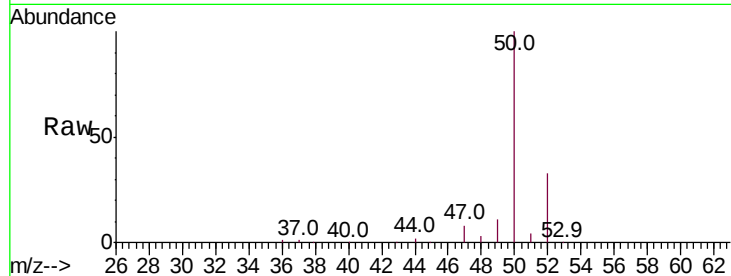
50 100

52 33.0 26.5 39.7

Manual Integrations  
APPROVED

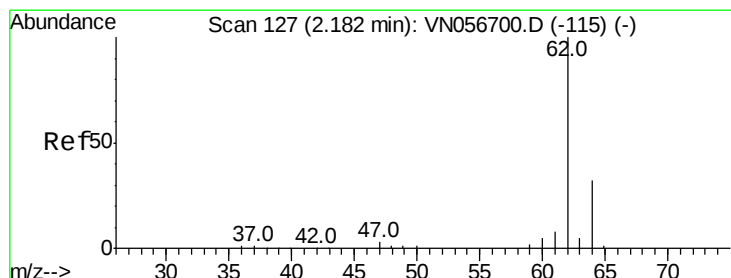
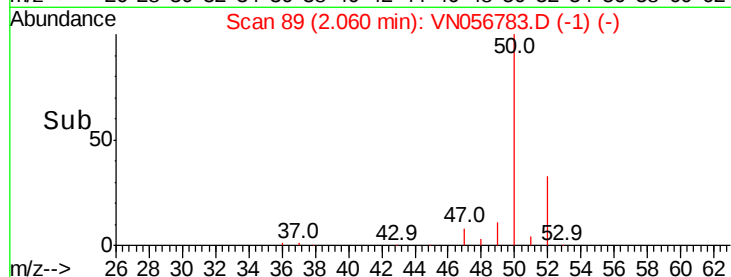
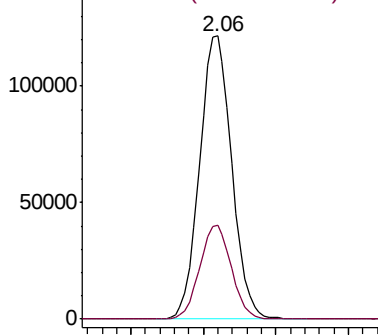
MMDadoda

7/19/2019 1:06:31 AM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 46.601 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056783.D

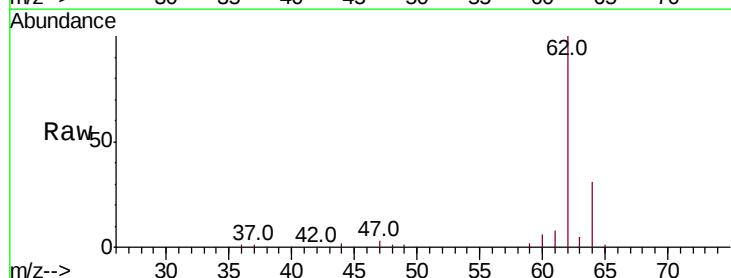
Acq: 17 Jul 2019 8:55

Tgt Ion: 62 Resp: 184174

Ion Ratio Lower Upper

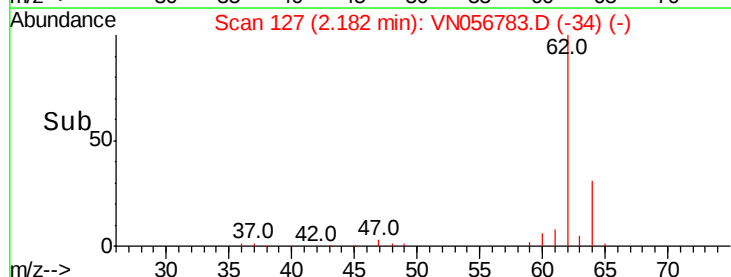
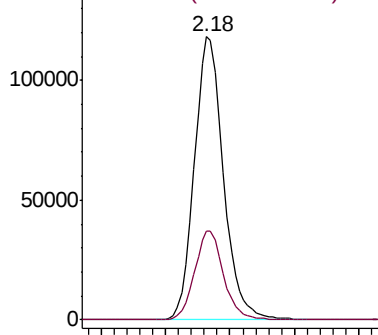
62 100

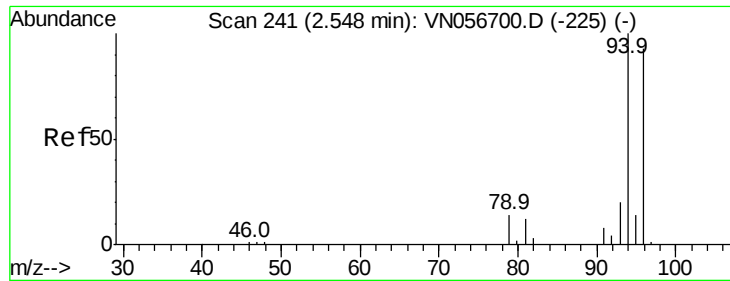
64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 48.094 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 111775

Ion Ratio Lower Upper

94 100

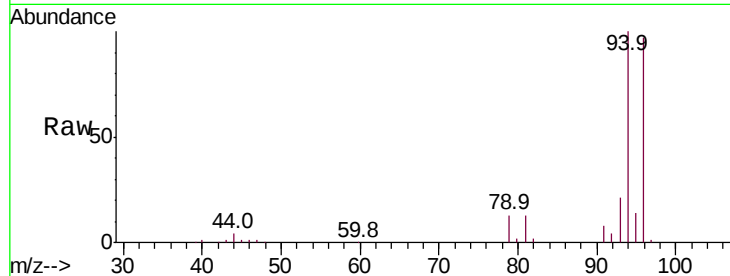
96 96.9 74.0 111.0

Manual Integrations

APPROVED

MMDadoda

7/19/2019 1:06:31 AM



Abundance Ion 93.90 (93.60 to 94.60): VN056783.D (-148) (-)

Ion 95.90 (95.60 to 96.60): VN056783.D (-148) (-)

2.55

60000

50000

40000

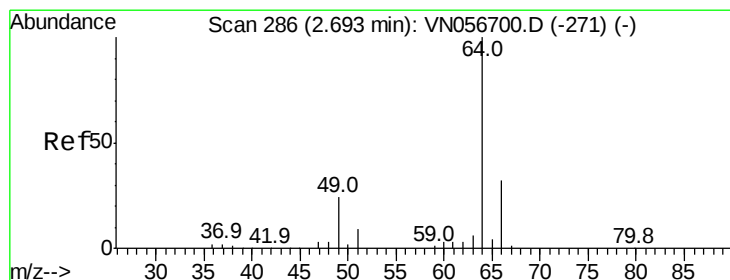
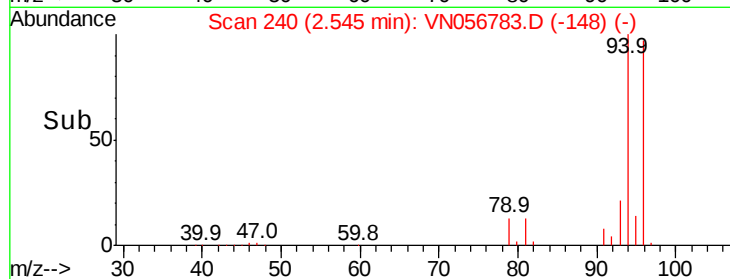
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 45.967 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN056783.D

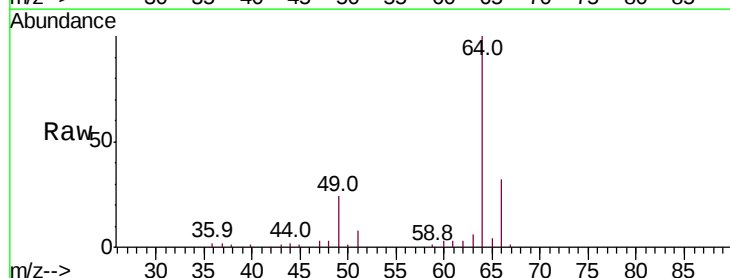
Acq: 17 Jul 2019 8:55

Tgt Ion: 64 Resp: 105861

Ion Ratio Lower Upper

64 100

66 31.7 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN056783.D (-193) (-)

Ion 65.90 (65.60 to 66.60): VN056783.D (-193) (-)

2.69

50000

40000

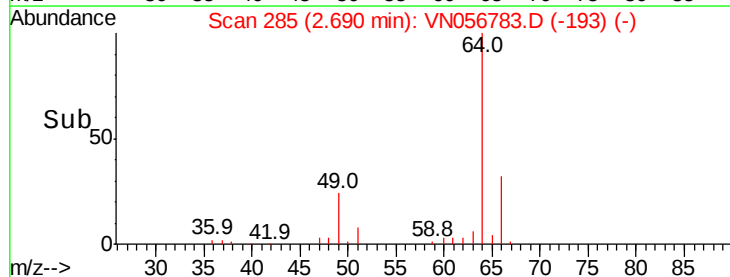
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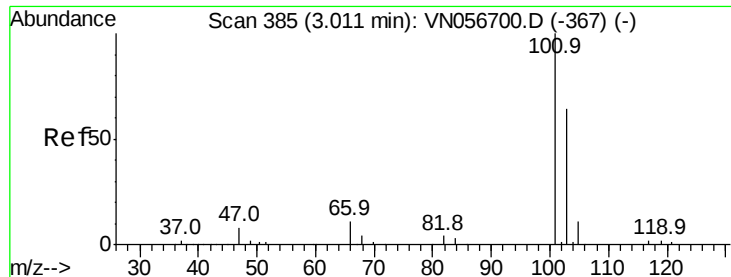
20000

10000

0

Time-->





#7

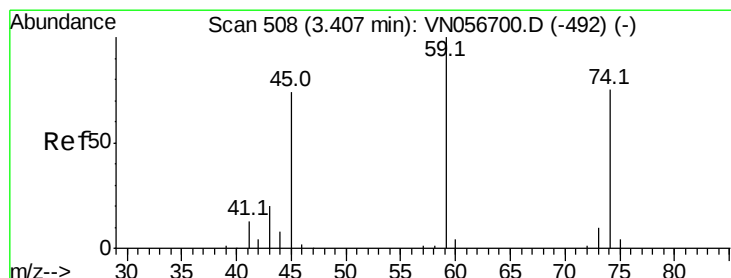
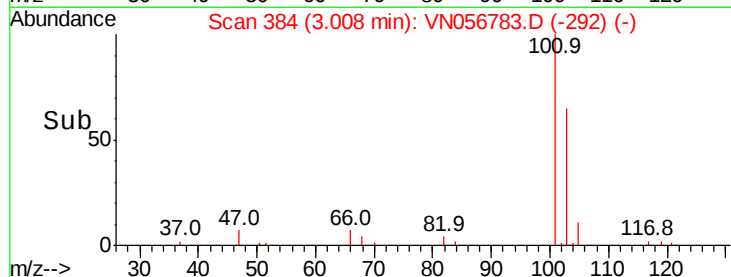
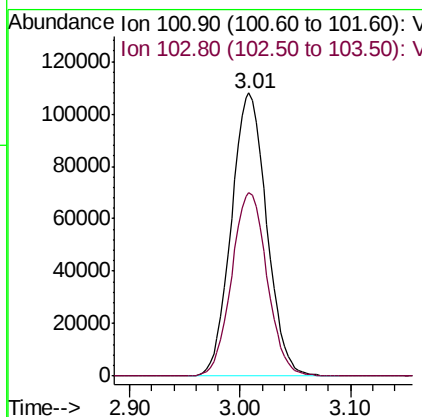
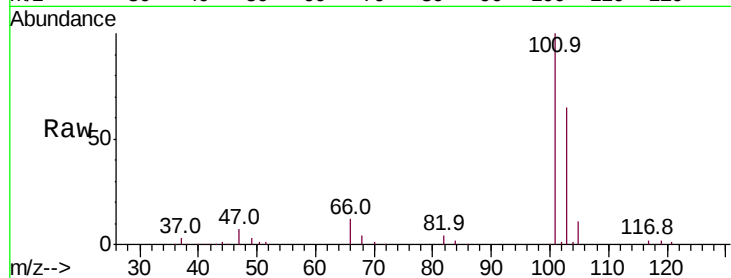
Trichlorofluoromethane  
Concen: 47.265 ug/l  
RT: 3.01 min Scan# 384  
Delta R.T. -0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.0  | 51.5  | 77.3  |

Manual Integrations  
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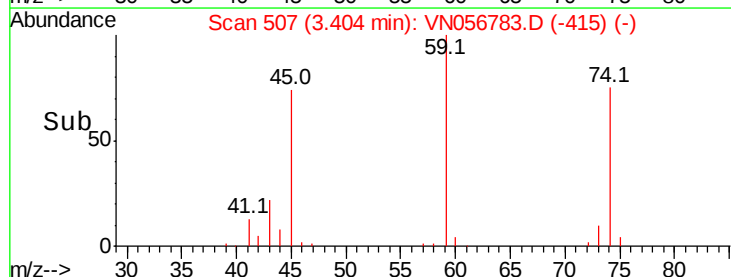
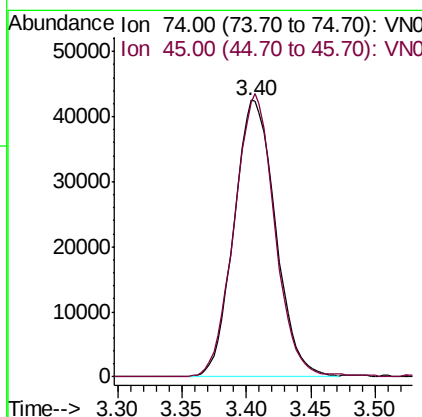
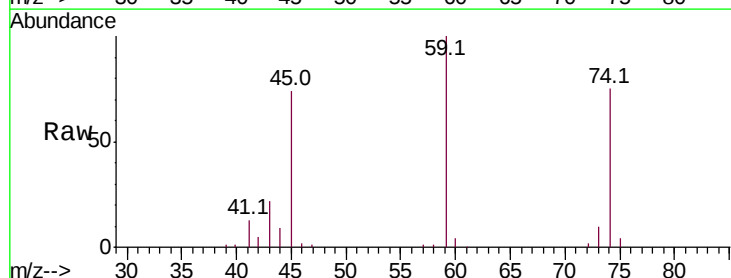
MMDadoda  
7/19/2019 1:06:31 AM

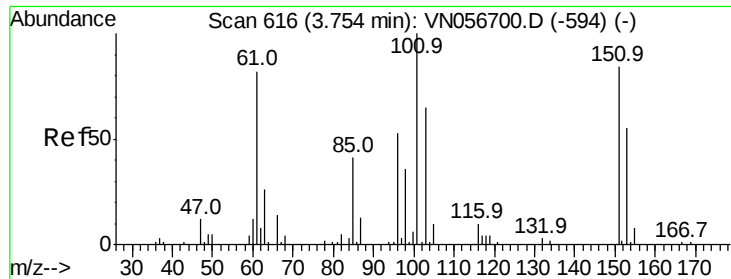


#8

Diethyl Ether  
Concen: 48.202 ug/l  
RT: 3.40 min Scan# 507  
Delta R.T. -0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 99.5  | 49.4  | 148.2 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.586 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

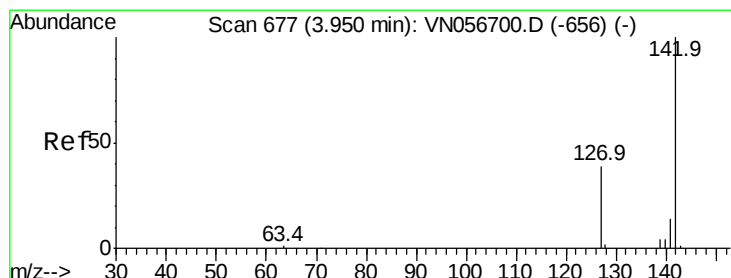
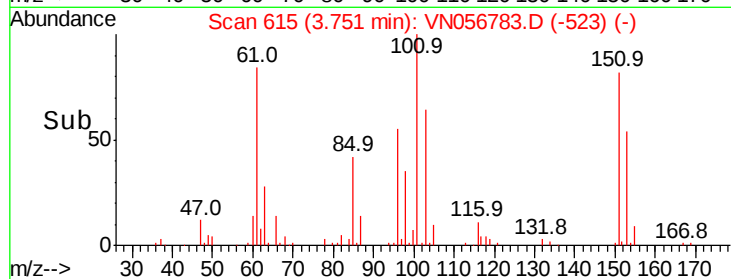
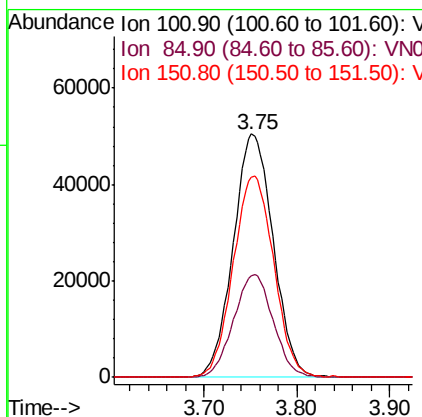
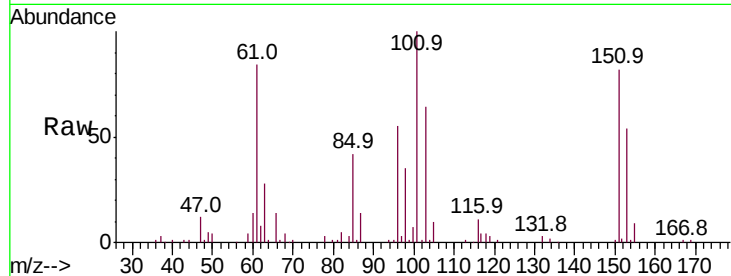
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 151074 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.8  | 33.3  | 49.9   |
| 151       | 83.8  | 67.0  | 100.6  |

Manual Integrations  
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7/19/2019 1:06:31 AM



#10

Methyl Iodide

Concen: 50.237 ug/l

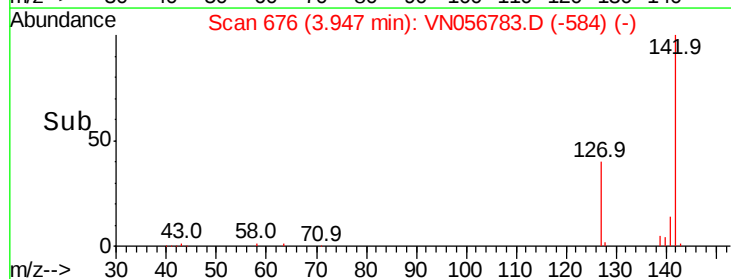
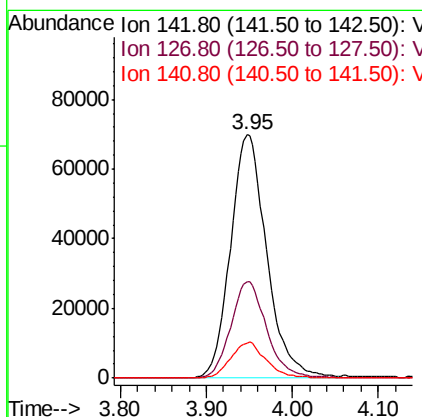
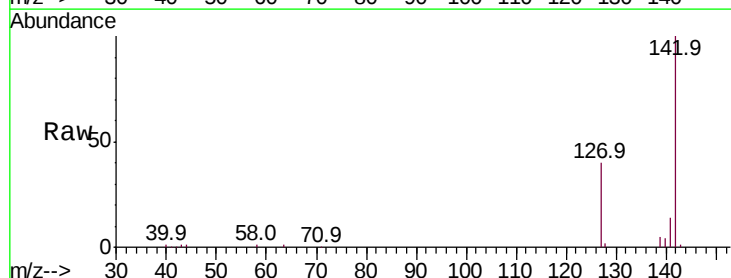
RT: 3.95 min Scan# 676

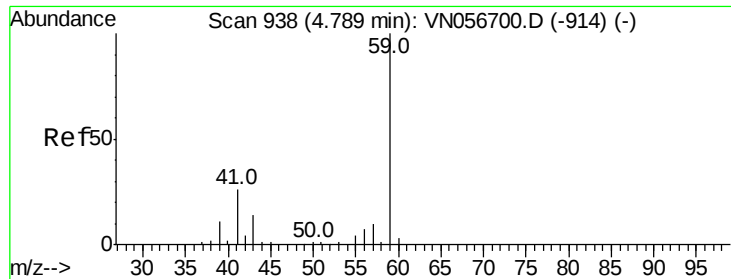
Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 204722 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 39.3  | 30.7  | 46.1   |
| 141       | 14.3  | 11.3  | 16.9   |





#11

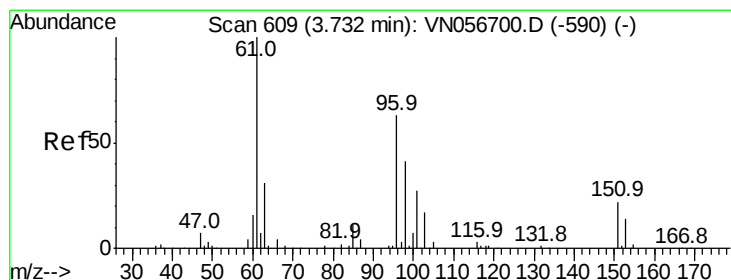
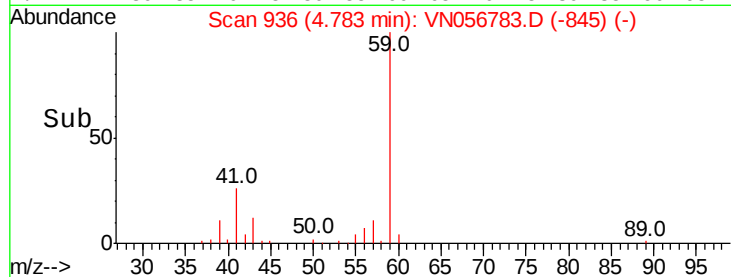
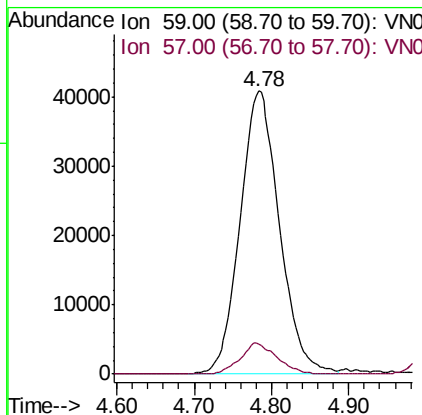
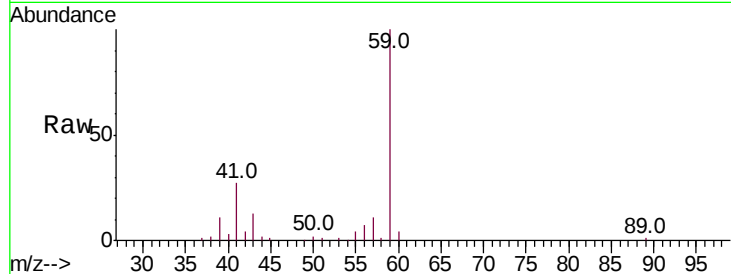
Tert butyl alcohol  
 Concen: 242.086 ug/l  
 RT: 4.78 min Scan# 936  
 Delta R.T. -0.01 min  
 Lab File: VN056783.D  
 Acq: 17 Jul 2019 8:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion   | 59   | Resp  | 144899 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 57        | 10.2 | 8.0   | 12.0   |

Manual Integrations  
 APPROVED

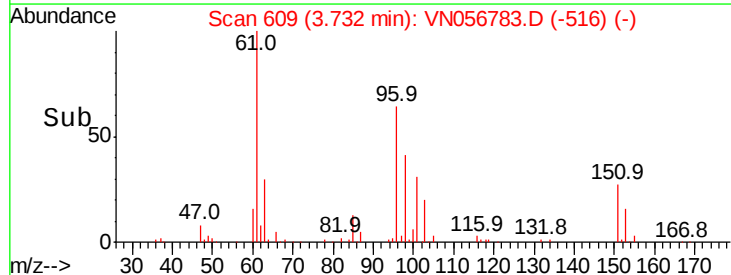
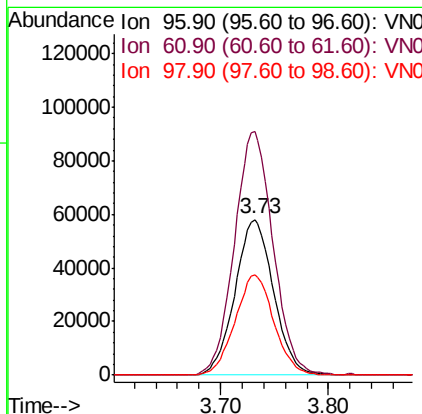
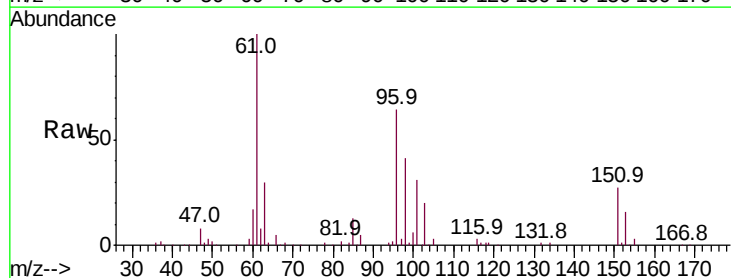
MMDadoda  
 7/19/2019 1:06:31 AM

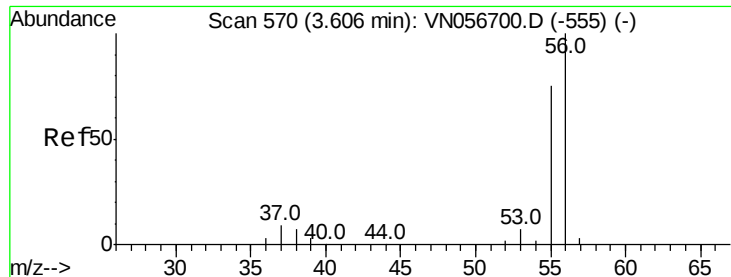


#12

1,1-Dichloroethene  
 Concen: 47.312 ug/l  
 RT: 3.73 min Scan# 609  
 Delta R.T. 0.00 min  
 Lab File: VN056783.D  
 Acq: 17 Jul 2019 8:55

| Tgt Ion   | 96    | Resp  | 144587 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 156.6 | 126.6 | 189.8  |
| 98        | 64.5  | 51.4  | 77.2   |





#13

Acrolein

Concen: 226.389 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 46066

Ion Ratio Lower Upper

56 100

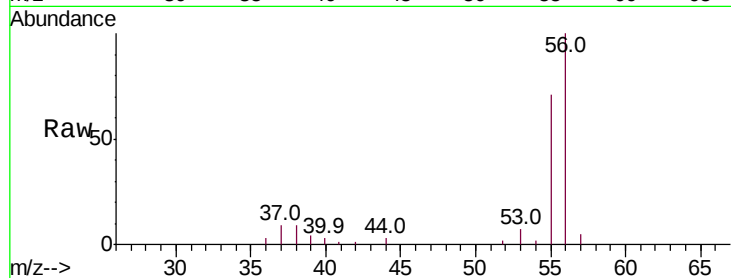
55 69.4 58.0 87.0

Manual Integrations

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7/19/2019 1:06:31 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

20000

15000

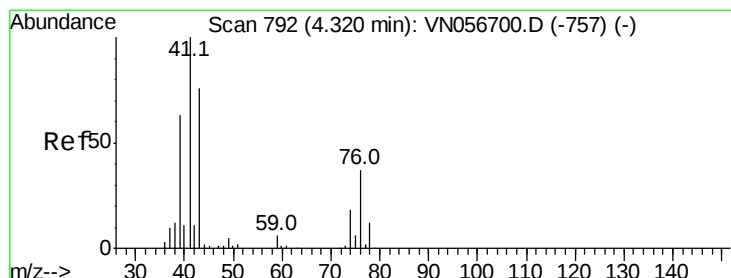
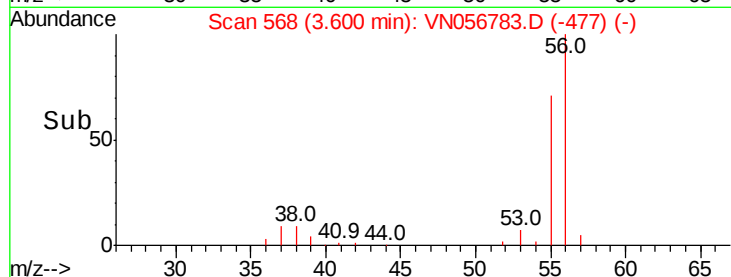
10000

5000

0

3.50 3.60 3.70

Time-->



#14

Allyl chloride

Concen: 47.842 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

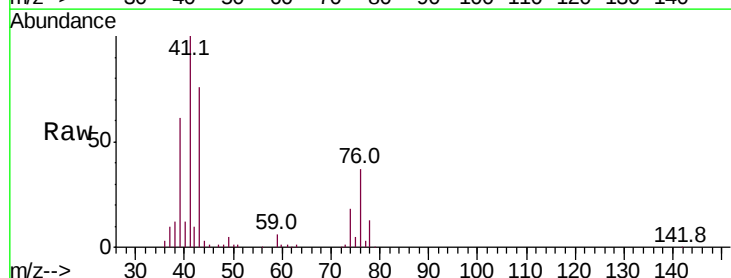
Tgt Ion: 41 Resp: 252847

Ion Ratio Lower Upper

41 100

39 58.3 46.9 70.3

76 32.7 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

100000

80000

60000

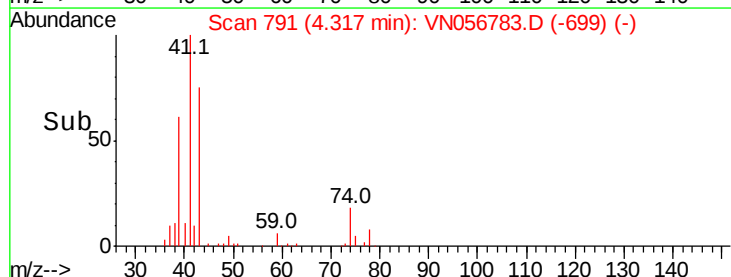
40000

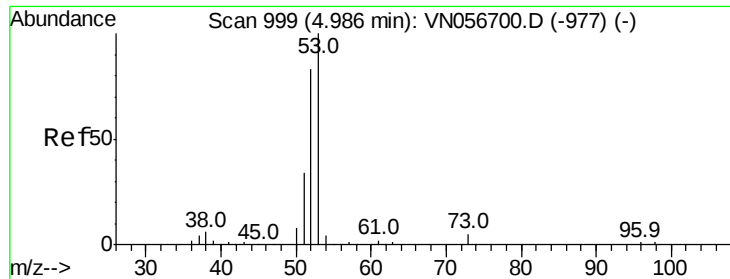
20000

0

4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 243.993 ug/l

RT: 4.98 min Scan# 997

Delta R.T. -0.01 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

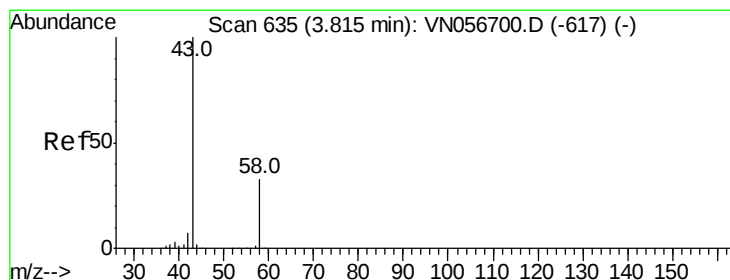
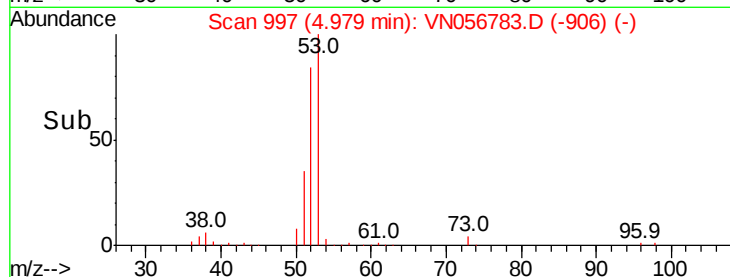
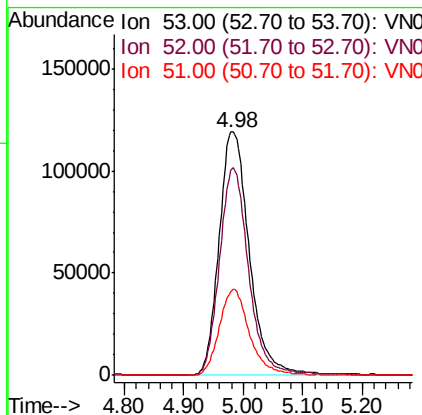
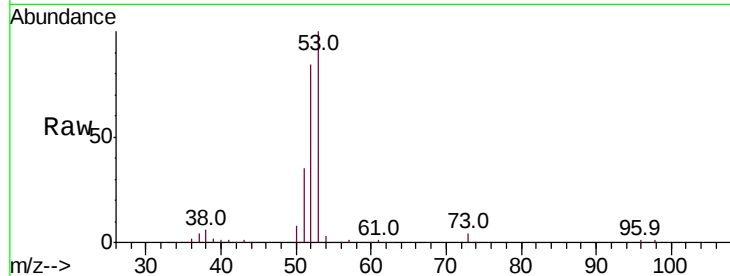
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 421742 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 81.8  | 66.6  | 99.8   |
| 51        | 35.3  | 28.4  | 42.6   |

Manual Integrations  
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MMDadoda  
7/19/2019 1:06:31 AM



#16

Acetone

Concen: 279.793 ug/l

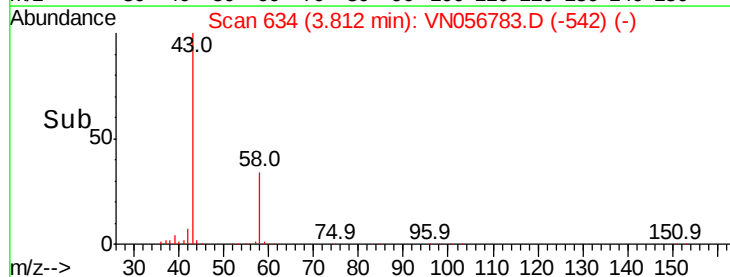
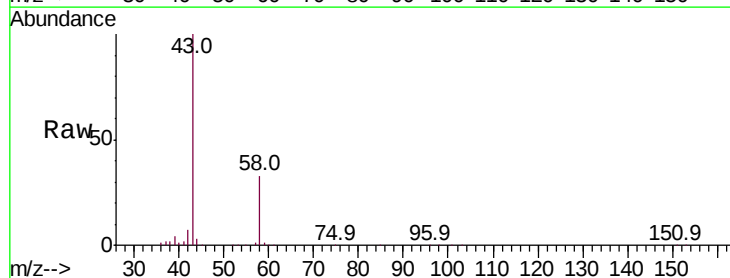
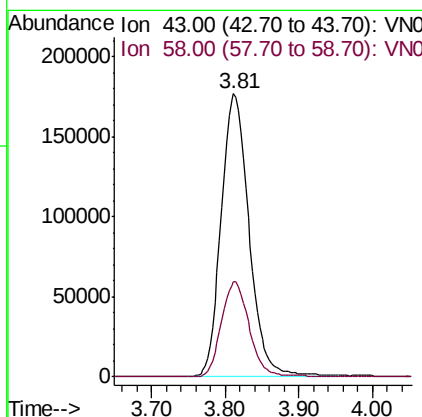
RT: 3.81 min Scan# 634

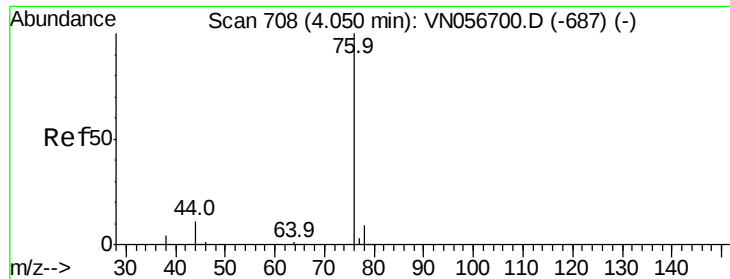
Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 463643 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 33.5  | 26.7  | 40.1   |





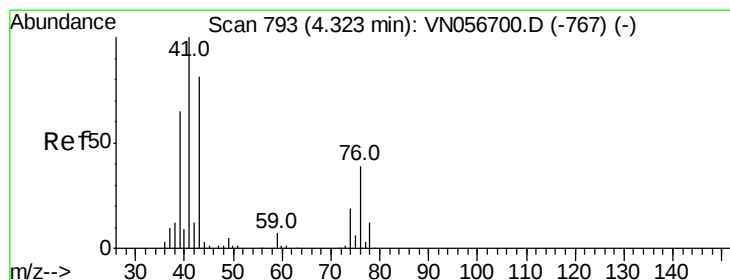
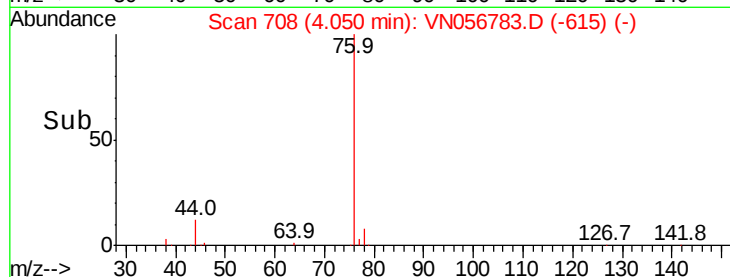
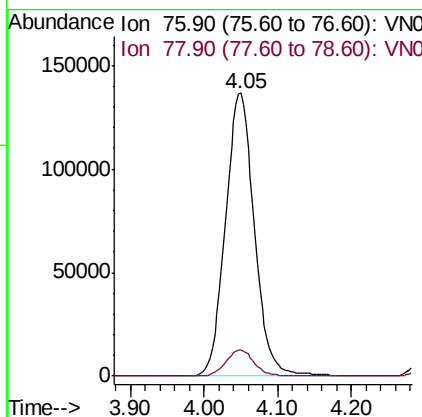
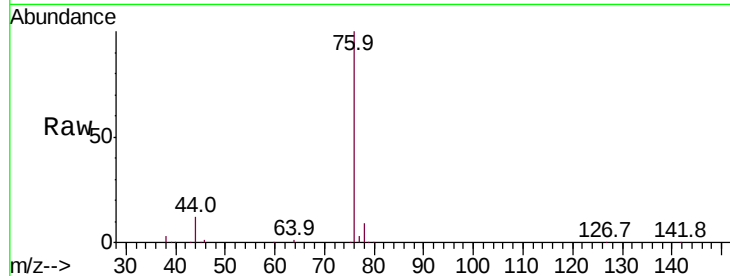
#17  
Carbon Disulfide  
Concen: 46.121 ug/l  
RT: 4.05 min Scan# 708  
Delta R.T. 0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.1   | 7.4   | 11.0  |

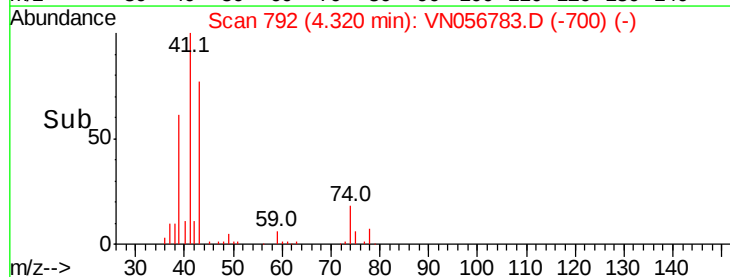
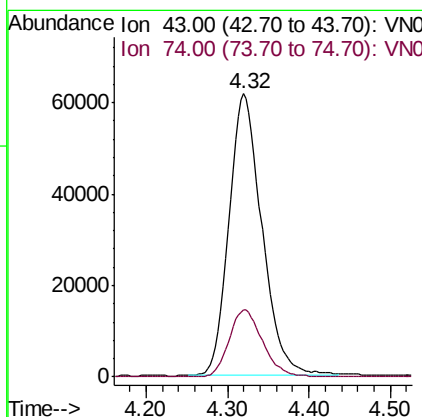
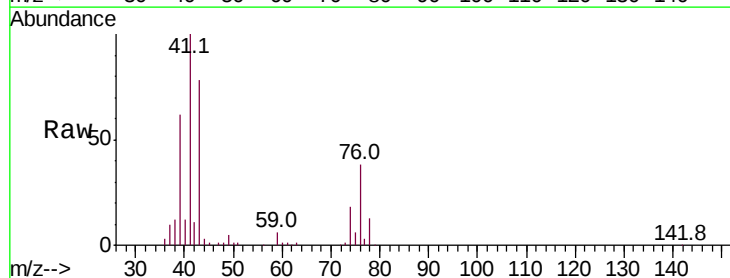
Manual Integrations  
APPROVED

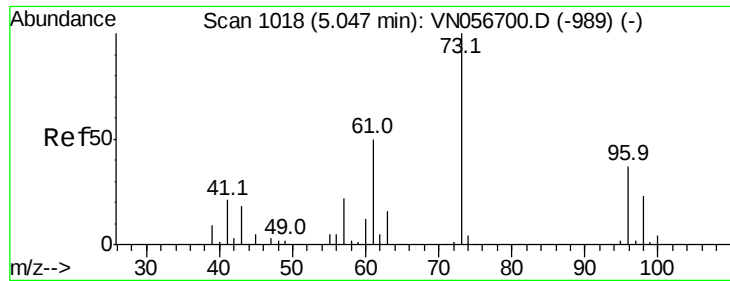
MMDadoda  
7/19/2019 1:06:31 AM



#18  
Methyl Acetate  
Concen: 46.918 ug/l  
RT: 4.32 min Scan# 792  
Delta R.T. -0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.1  | 18.9  | 28.3  |





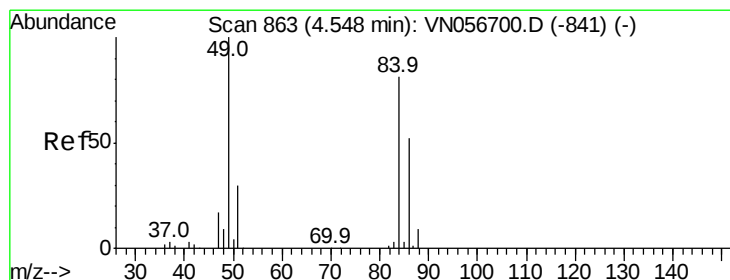
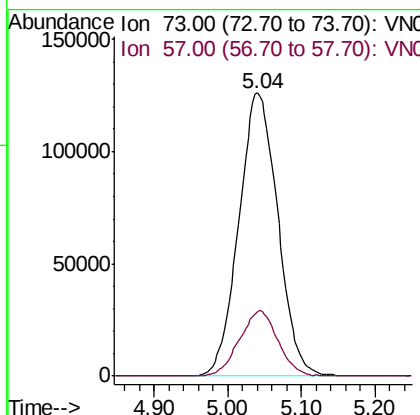
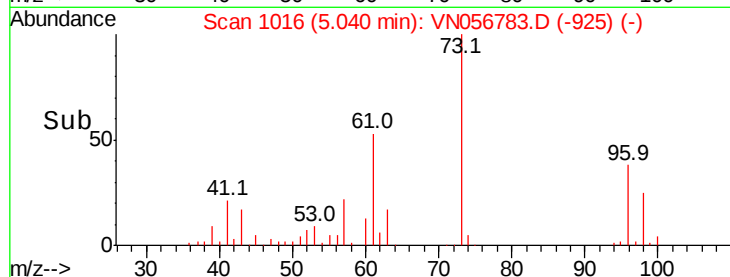
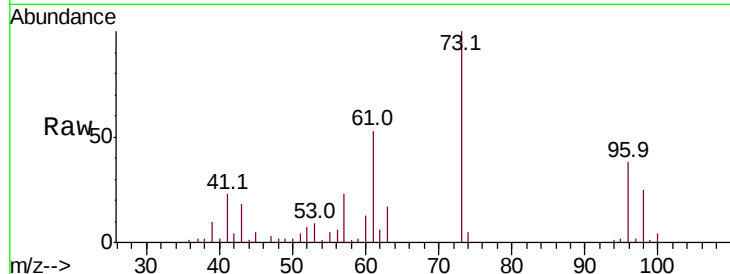
#19  
Methyl tert-butyl Ether  
Concen: 47.708 ug/l  
RT: 5.04 min Scan# 1016  
Delta R.T. -0.01 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 464543  
Ion Ratio Lower Upper  
73 100  
57 22.7 17.9 26.9

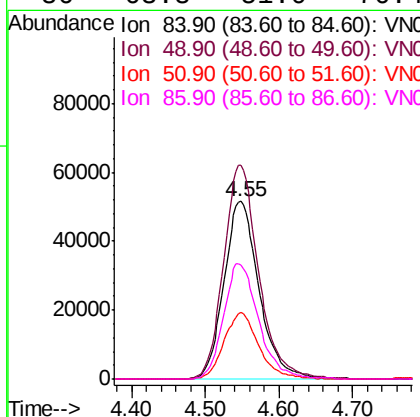
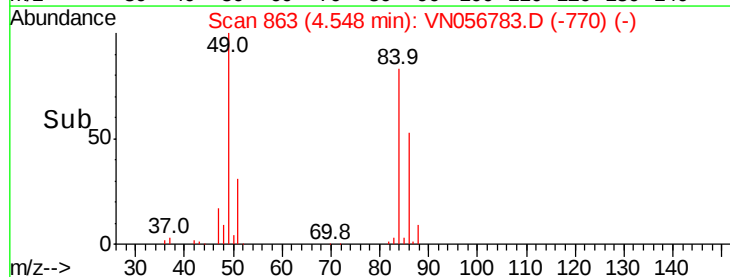
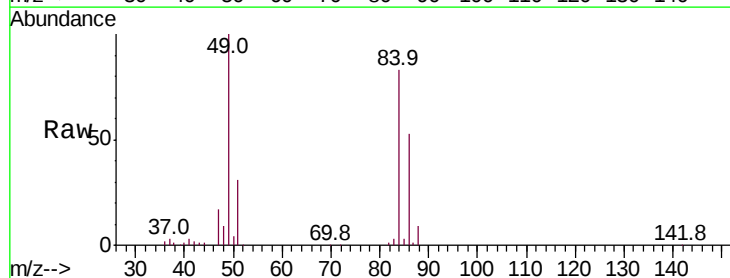
Manual Integrations  
APPROVED

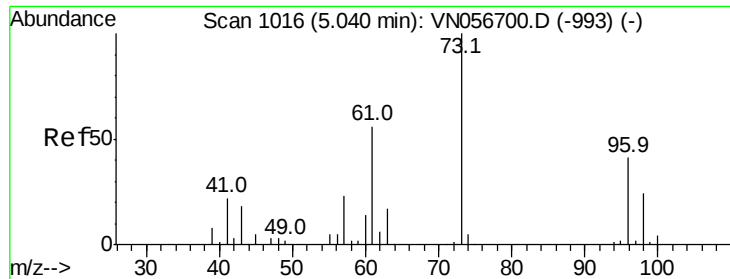
MMDadoda  
7/19/2019 1:06:31 AM



#20  
Methylene Chloride  
Concen: 47.185 ug/l  
RT: 4.55 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Tgt Ion: 84 Resp: 170871  
Ion Ratio Lower Upper  
84 100  
49 120.2 98.2 147.4  
51 37.5 29.6 44.4  
86 63.8 51.0 76.4





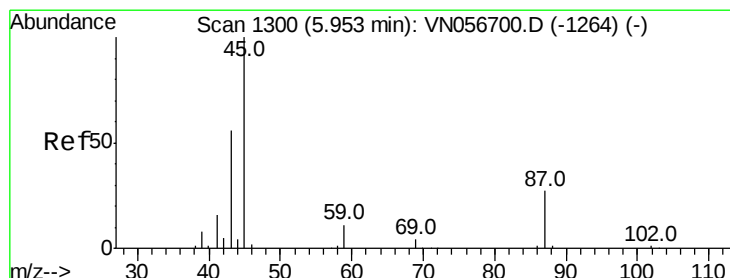
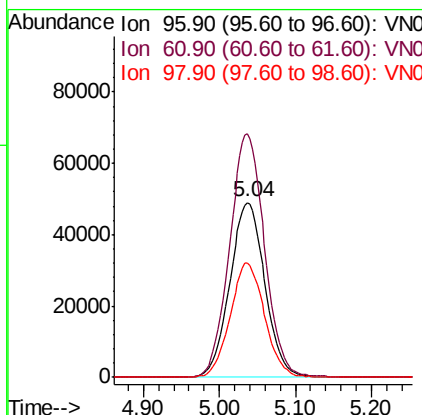
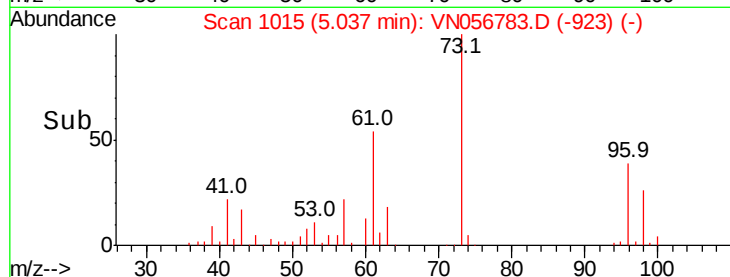
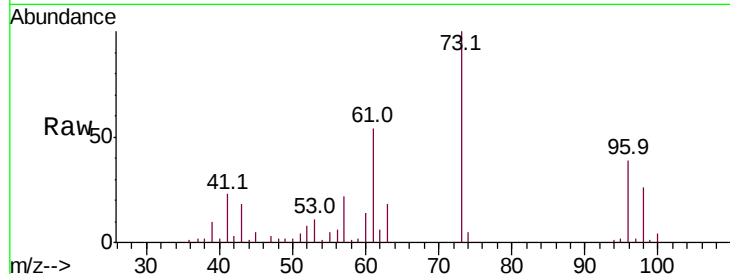
#21  
trans-1,2-Dichloroethene  
Concen: 48.484 ug/l  
RT: 5.04 min Scan# 1015  
Delta R.T. -0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 139.5 | 109.4 | 164.2 |
| 98      | 65.7  | 48.0  | 72.0  |

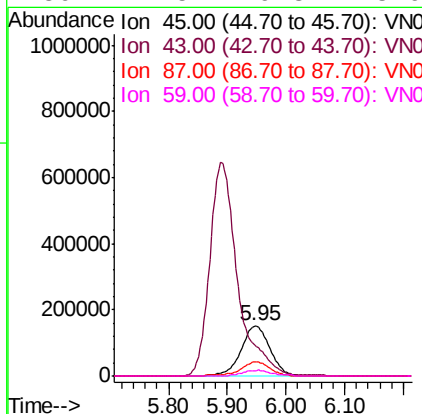
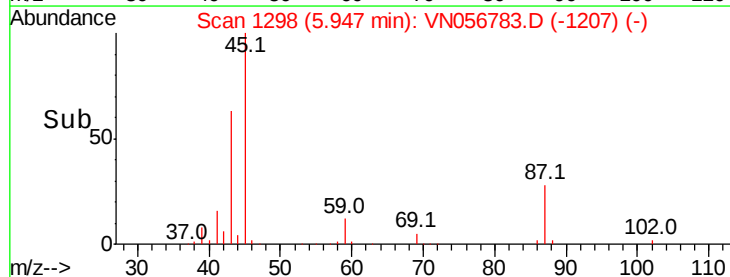
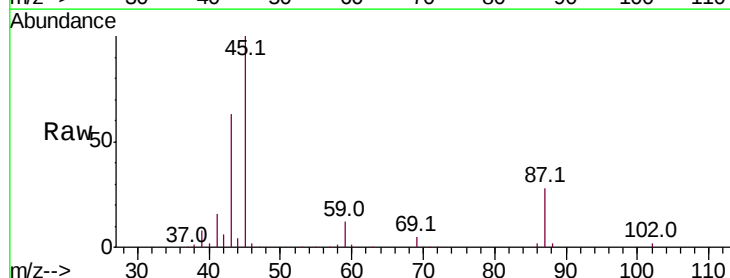
Manual Integrations  
APPROVED

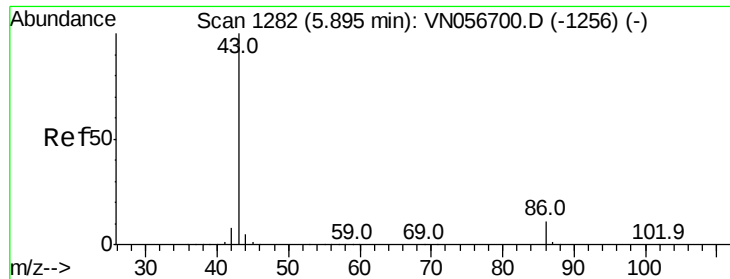
MMDadoda  
7/19/2019 1:06:31 AM



#22  
Diisopropyl ether  
Concen: 49.886 ug/l  
RT: 5.95 min Scan# 1298  
Delta R.T. -0.01 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 61.4  | 45.6  | 68.4  |
| 87      | 28.2  | 22.0  | 33.0  |
| 59      | 11.5  | 9.3   | 13.9  |





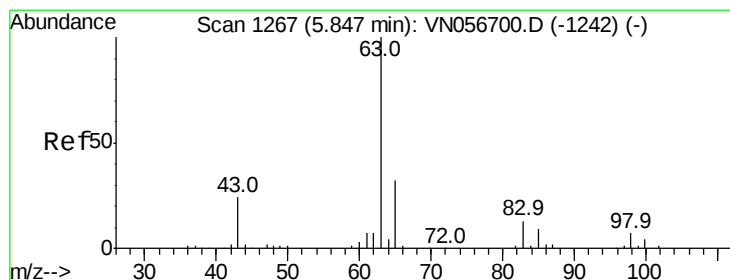
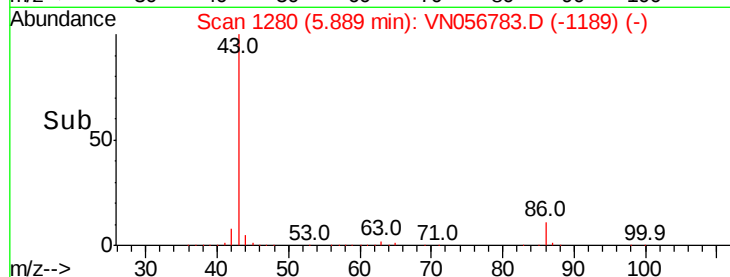
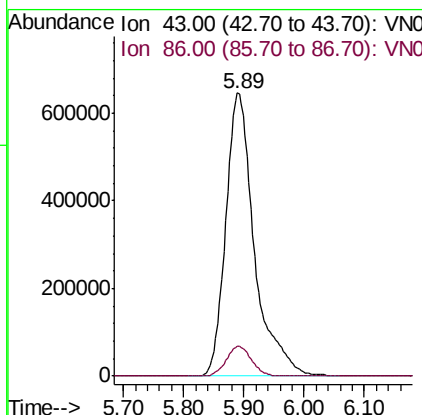
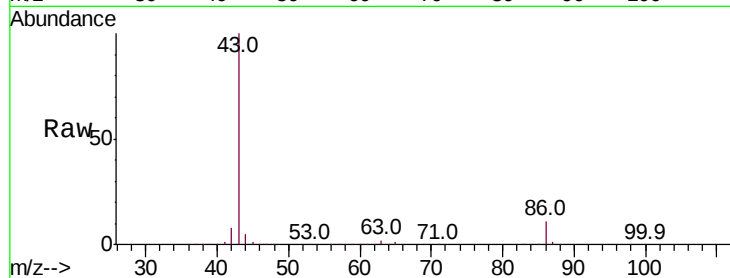
#23  
 Vinyl Acetate  
 Concen: 253.108 ug/l  
 RT: 5.89 min Scan# 1280  
 Delta R.T. -0.01 min  
 Lab File: VN056783.D  
 Acq: 17 Jul 2019 8:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 43 Resp: 2139620  
 Ion Ratio Lower Upper  
 43 100  
 86 10.5 8.5 12.7

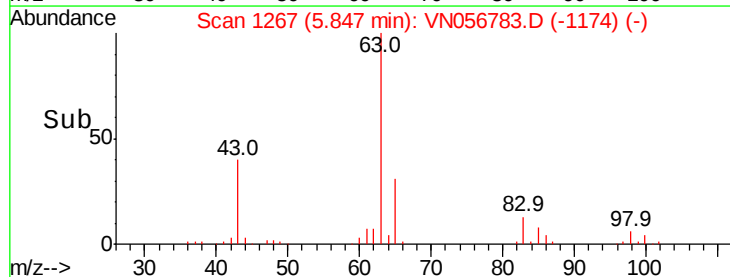
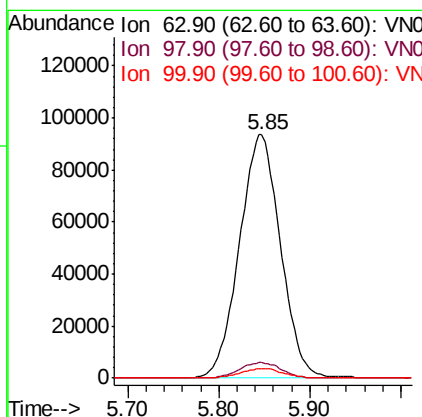
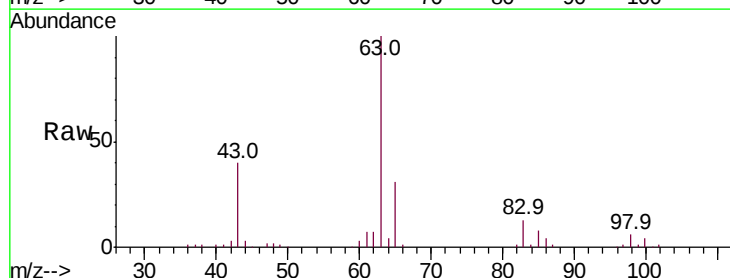
Manual Integrations  
 APPROVED

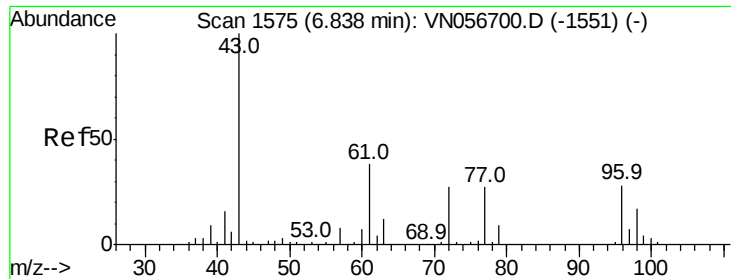
MMDadoda  
 7/19/2019 1:06:31 AM



#24  
 1,1-Dichloroethane  
 Concen: 48.399 ug/l  
 RT: 5.85 min Scan# 1267  
 Delta R.T. 0.00 min  
 Lab File: VN056783.D  
 Acq: 17 Jul 2019 8:55

Tgt Ion: 63 Resp: 292721  
 Ion Ratio Lower Upper  
 63 100  
 98 6.2 3.3 9.9  
 100 4.0 2.0 5.8





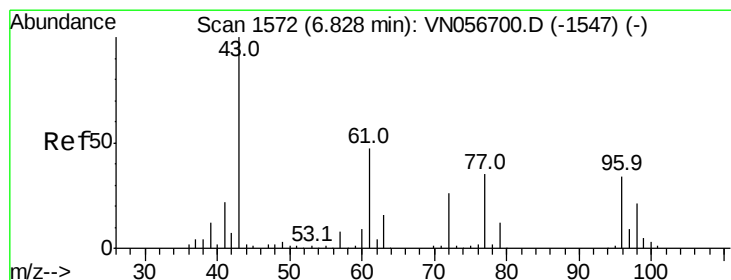
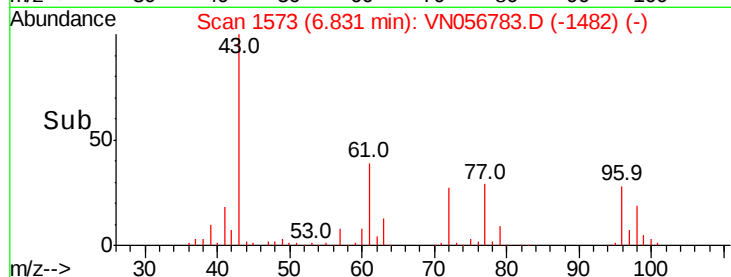
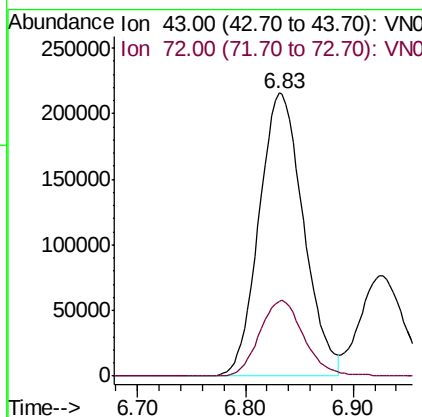
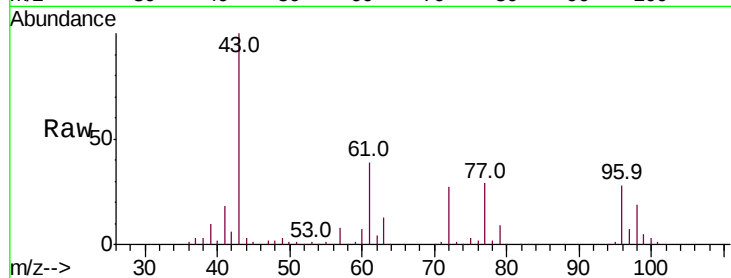
#25  
2-Butanone  
Concen: 253.557 ug/l  
RT: 6.83 min Scan# 1573  
Delta R.T. -0.01 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 614290  
Ion Ratio Lower Upper  
43 100  
72 26.5 21.2 31.8

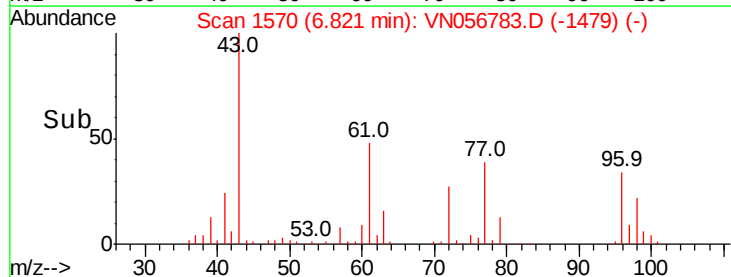
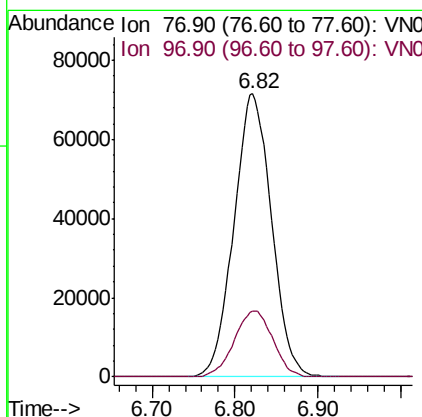
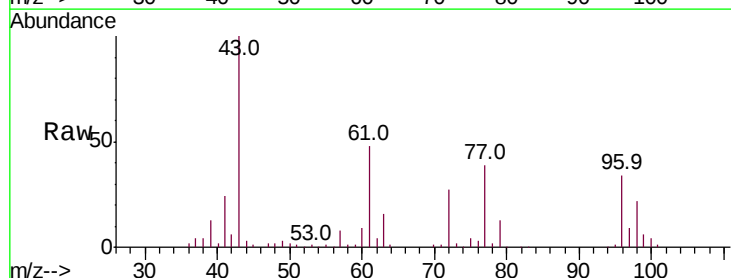
Manual Integrations  
APPROVED

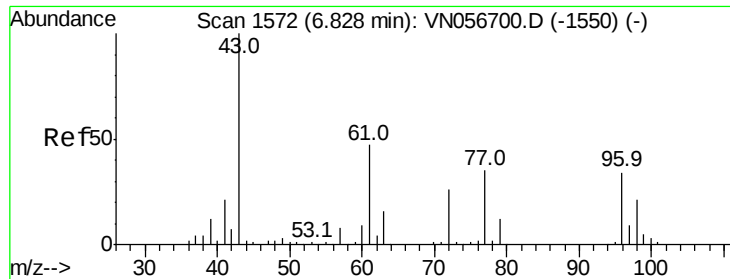
MMDadoda  
7/19/2019 1:06:31 AM



#26  
2,2-Dichloropropane  
Concen: 51.623 ug/l  
RT: 6.82 min Scan# 1570  
Delta R.T. -0.01 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Tgt Ion: 77 Resp: 225127  
Ion Ratio Lower Upper  
77 100  
97 23.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.480 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056783.D

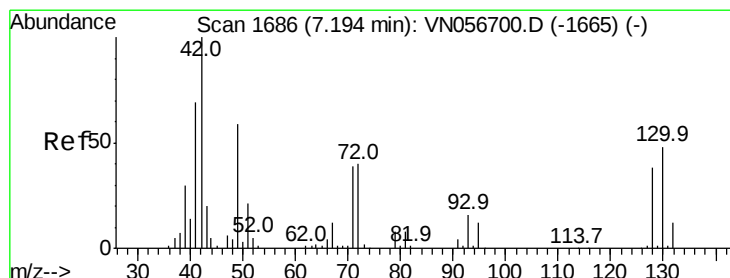
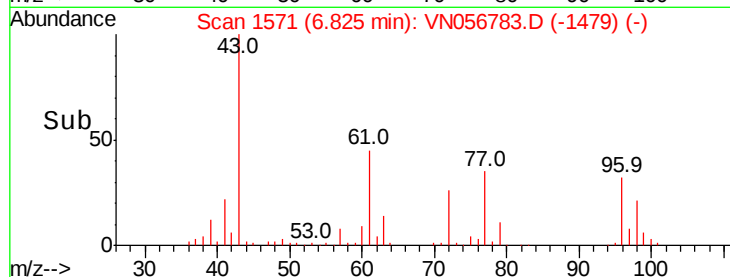
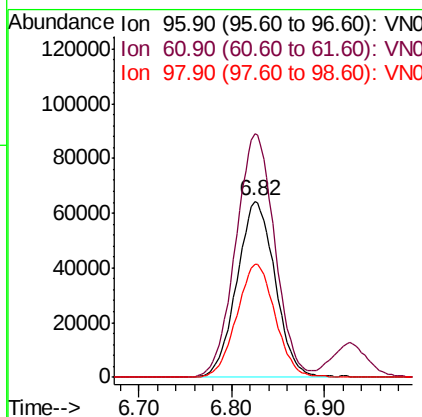
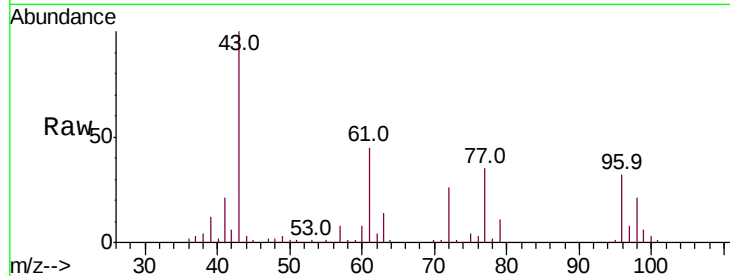
Acq: 17 Jul 2019 8:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 141.3 | 0.0   | 281.4 |
| 98      | 64.6  | 0.0   | 127.8 |

Manual Integrations  
APPROVED

MMDadoda  
7/19/2019 1:06:31 AM



#28

Bromochloromethane

Concen: 51.449 ug/l

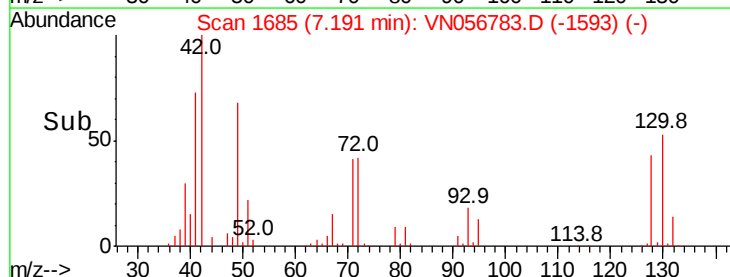
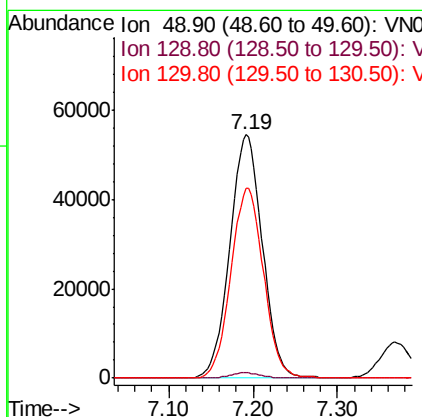
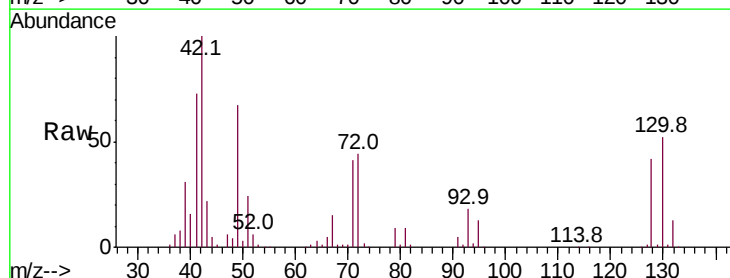
RT: 7.19 min Scan# 1685

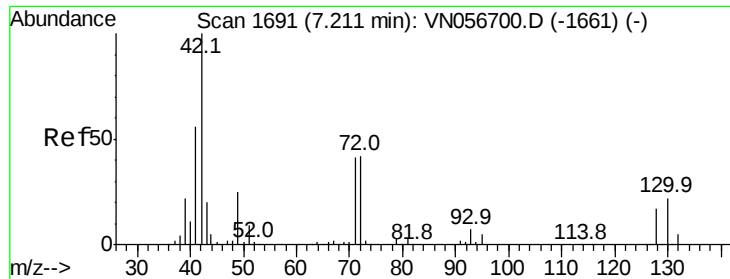
Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.0   | 0.0   | 4.0   |
| 130     | 78.3  | 64.7  | 97.1  |





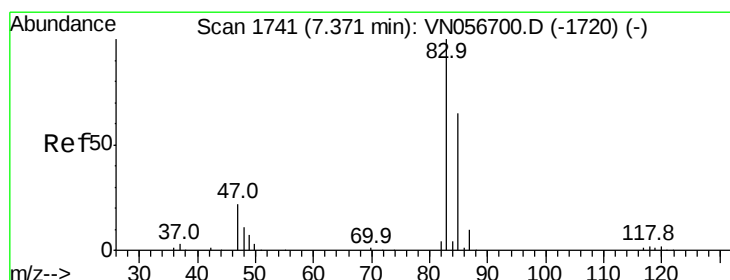
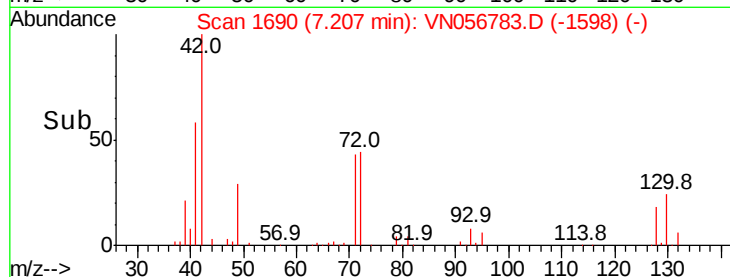
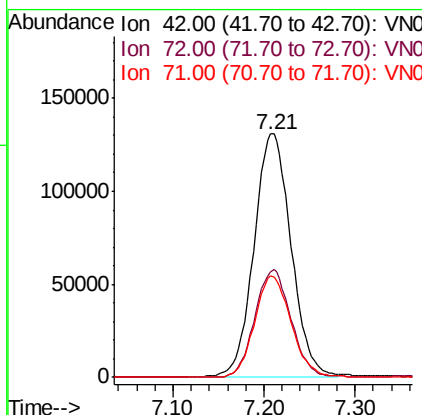
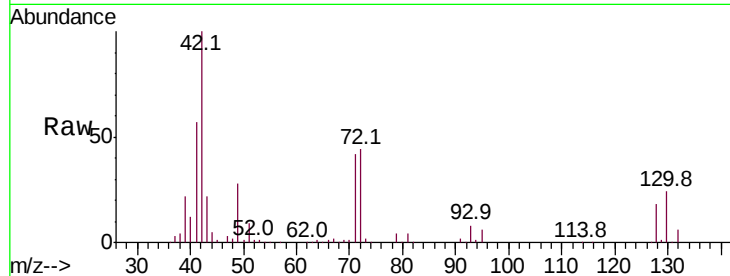
#29  
Tetrahydrofuran  
Concen: 234.904 ug/l  
RT: 7.21 min Scan# 1690  
Delta R.T. -0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.2  | 33.5  | 50.3  |
| 71      | 40.9  | 31.8  | 47.8  |

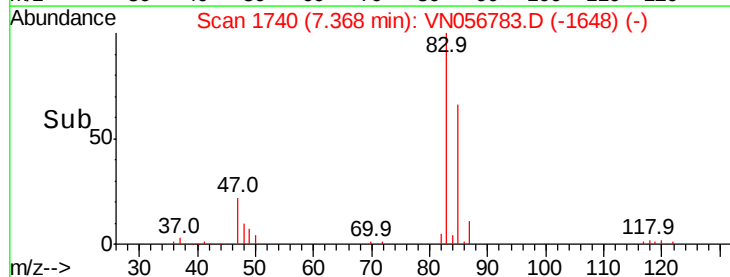
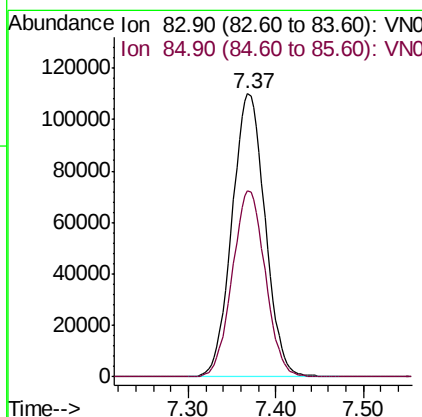
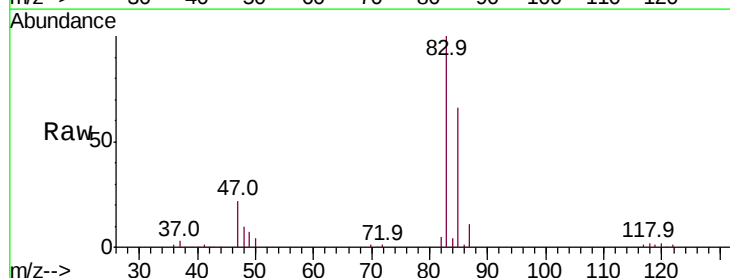
Manual Integrations  
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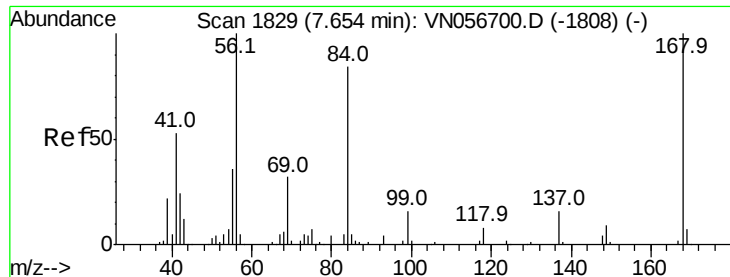
MMDadoda  
7/19/2019 1:06:31 AM



#30  
Chloroform  
Concen: 47.741 ug/l  
RT: 7.37 min Scan# 1740  
Delta R.T. -0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.8  | 51.9  | 77.9  |





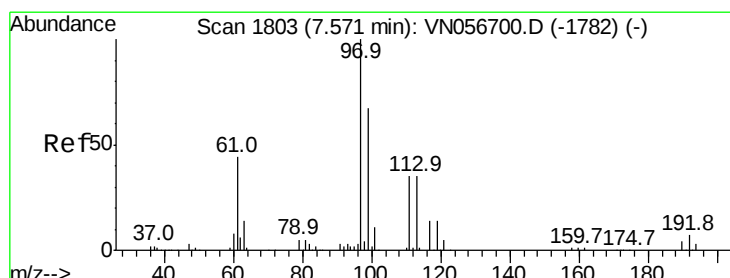
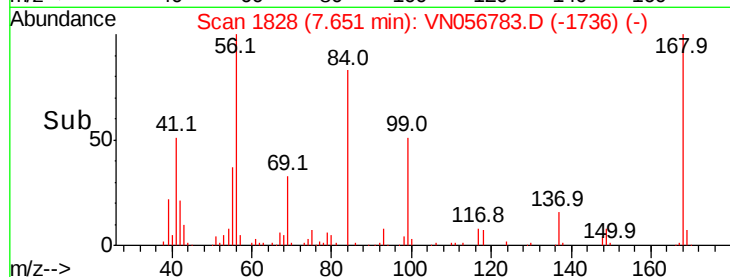
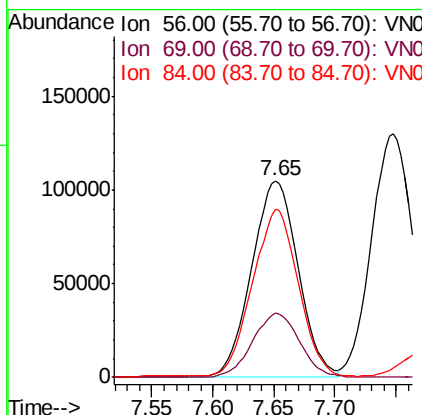
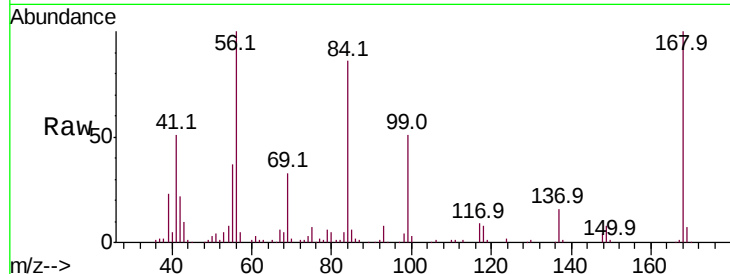
#31  
Cyclohexane  
Concen: 48.394 ug/l  
RT: 7.65 min Scan# 1828  
Delta R.T. -0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 32.5  | 25.8  | 38.8  |
| 84      | 84.6  | 67.4  | 101.0 |

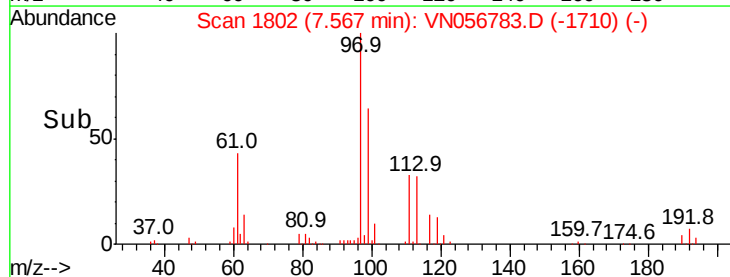
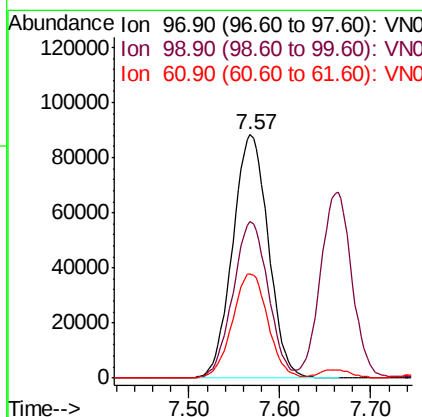
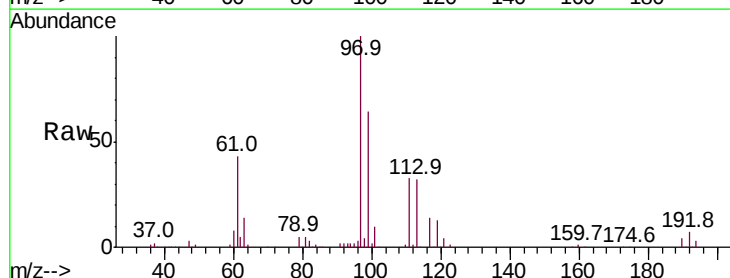
Manual Integrations  
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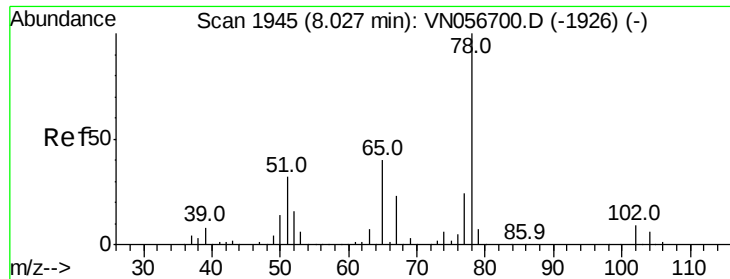
MMDadoda  
7/19/2019 1:06:31 AM



#32  
1,1,1-Trichloroethane  
Concen: 50.282 ug/l  
RT: 7.57 min Scan# 1802  
Delta R.T. -0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.7  | 52.0  | 78.0  |
| 61      | 42.6  | 34.3  | 51.5  |





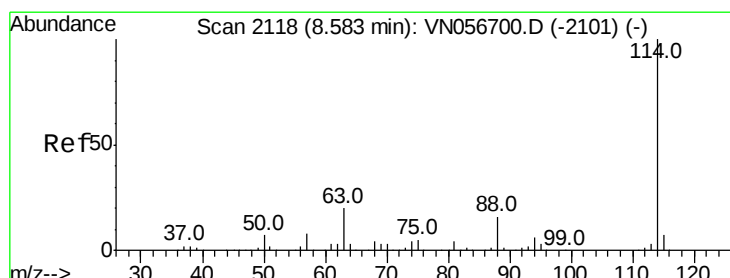
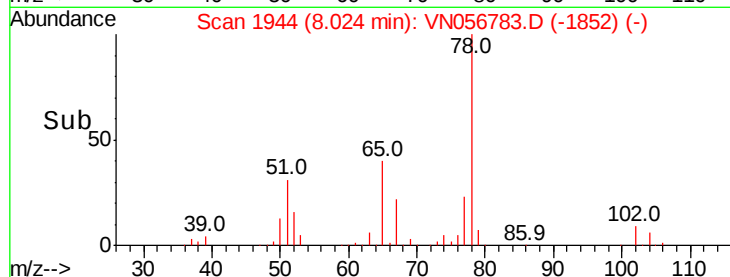
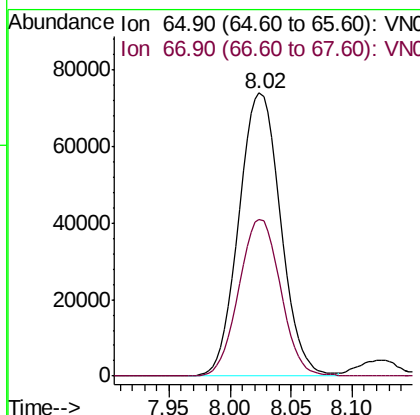
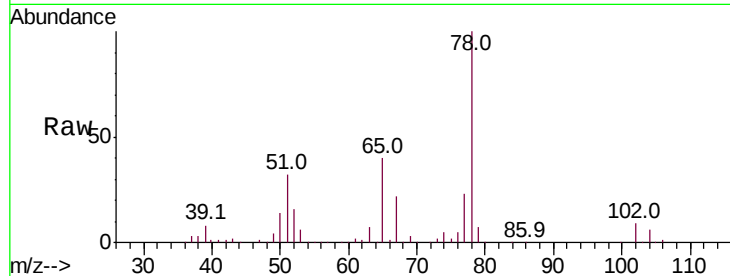
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.864 ug/l  
 RT: 8.02 min Scan# 1944  
 Delta R.T. -0.00 min  
 Lab File: VN056783.D  
 Acq: 17 Jul 2019 8:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 175712 |       |       |
| 67      | 55.4  | 0.0    | 109.0 |       |

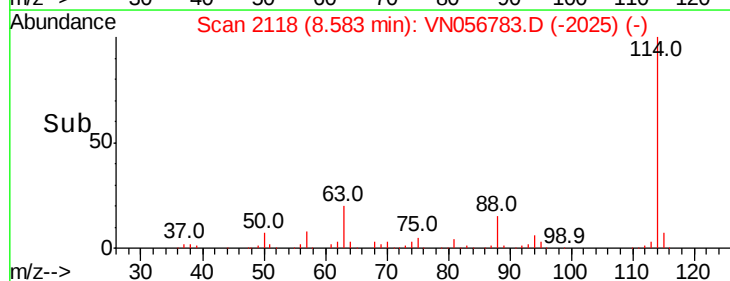
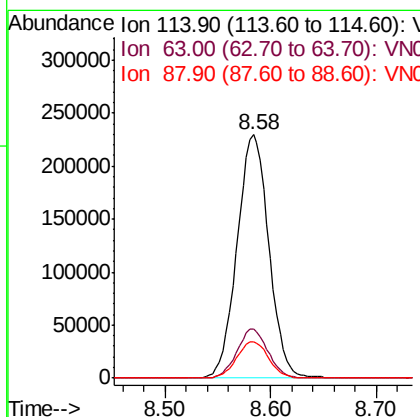
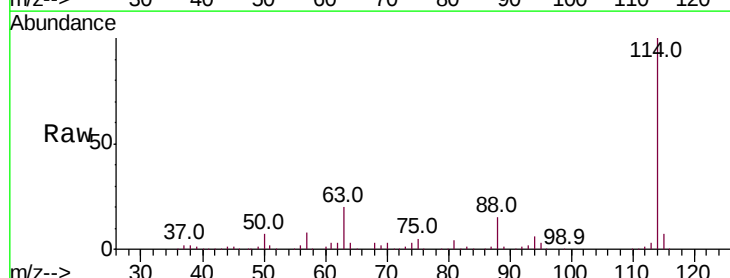
Manual Integrations  
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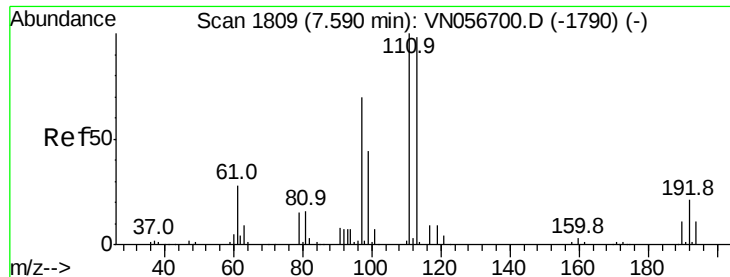
MMDadoda  
 7/19/2019 1:06:31 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN056783.D  
 Acq: 17 Jul 2019 8:55

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 480526 |       |       |
| 63      | 20.1  | 0.0    | 39.4  |       |
| 88      | 15.1  | 0.0    | 31.2  |       |





#35

Dibromofluoromethane

Concen: 51.290 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

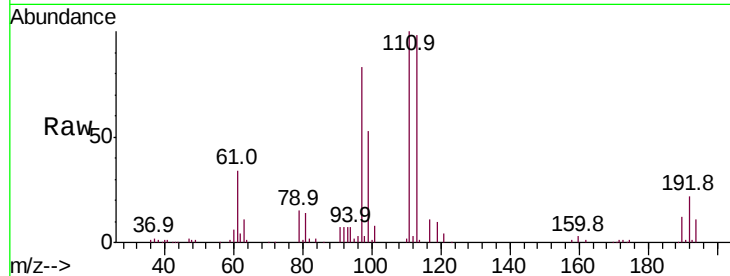
ClientSampleId :

VSTDCCC050

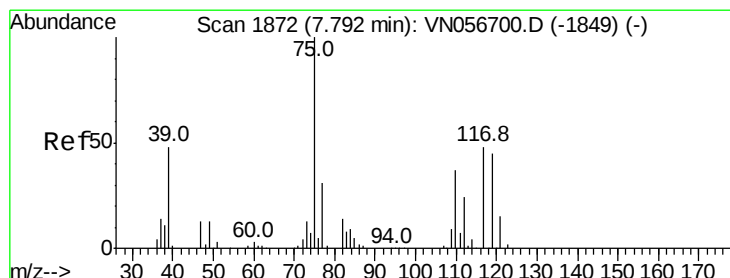
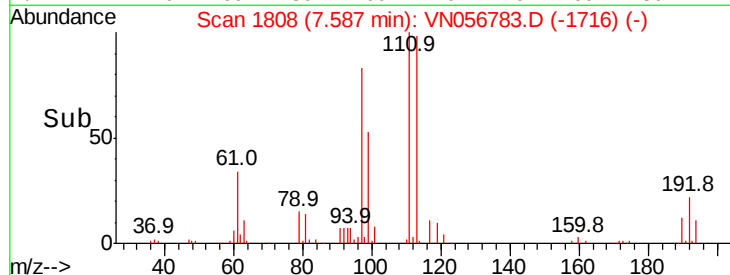
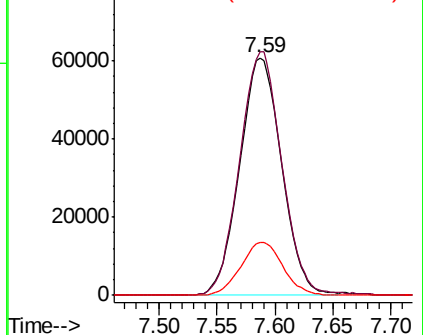
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 153377 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.9 | 81.8  | 122.6  |
| 192       | 22.3  | 17.5  | 26.3   |

Manual Integrations  
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7/19/2019 1:06:31 AM



Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.952 ug/l

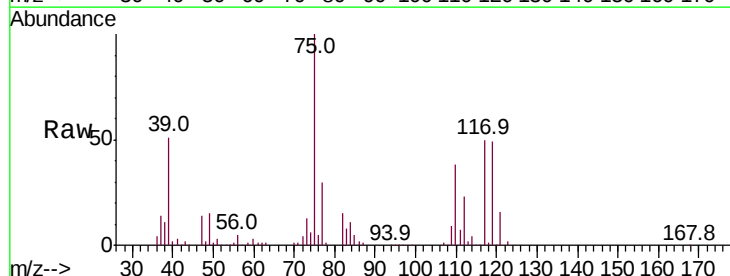
RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

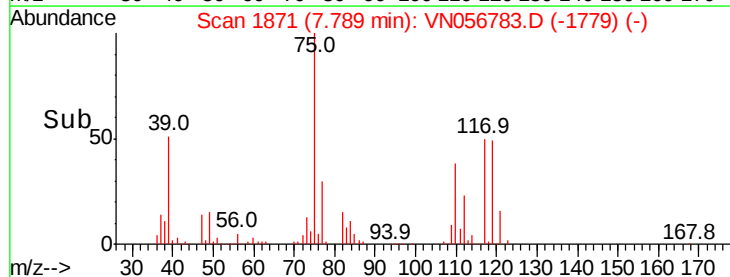
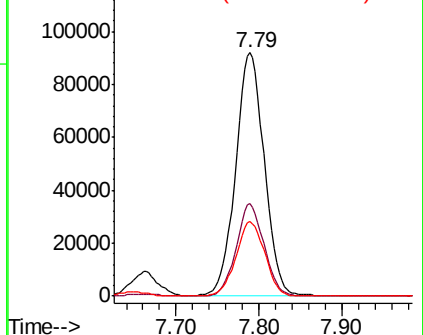
Lab File: VN056783.D

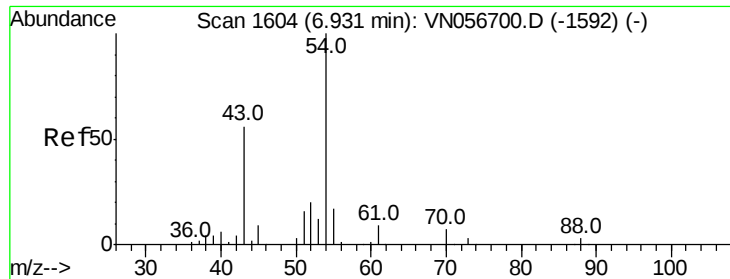
Acq: 17 Jul 2019 8:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 222117 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 36.6  | 18.4  | 55.4   |
| 77        | 30.8  | 24.6  | 36.8   |



Abundance Ion 74.90 (74.60 to 75.60): V  
Ion 109.90 (109.60 to 110.60): V  
Ion 76.90 (76.60 to 77.60): V





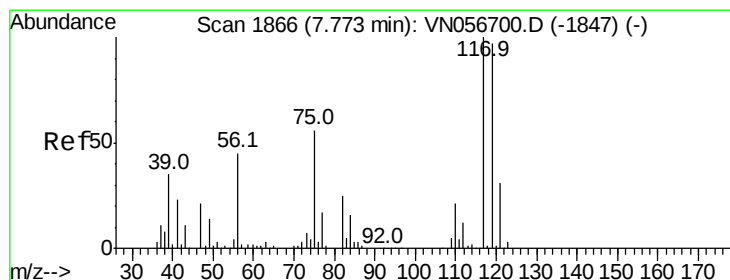
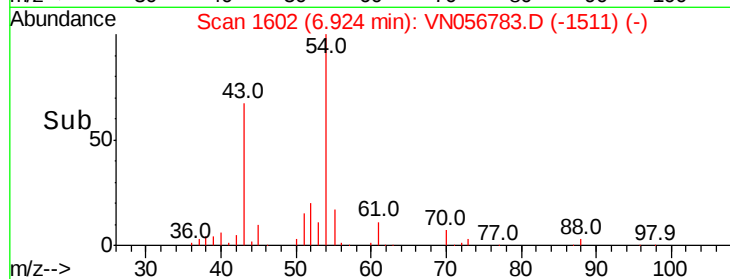
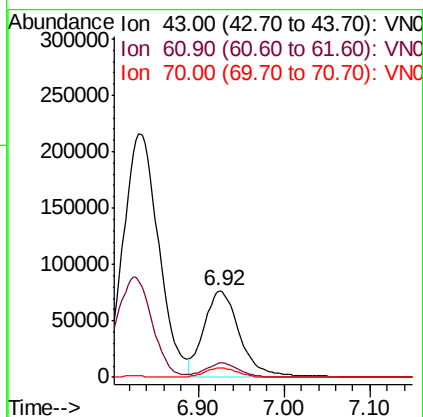
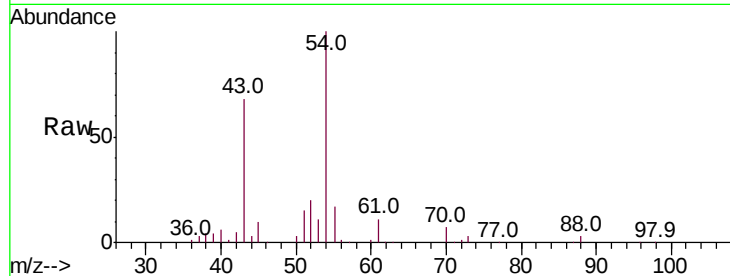
#37  
Ethyl Acetate  
Concen: 50.181 ug/l  
RT: 6.92 min Scan# 1602  
Delta R.T. -0.01 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.1  | 11.3  | 16.9  |
| 70      | 10.4  | 8.5   | 12.7  |

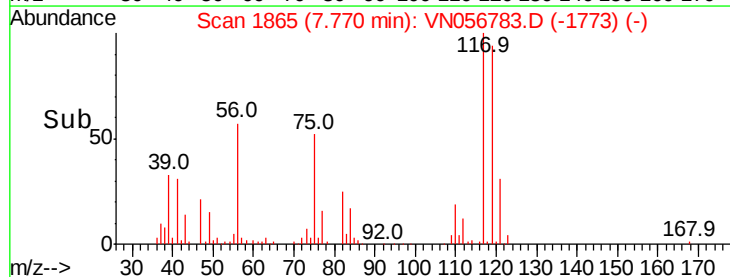
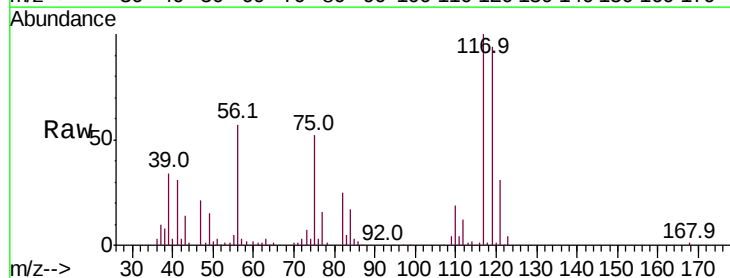
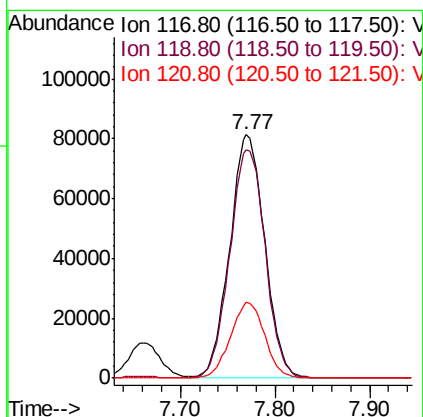
Manual Integrations  
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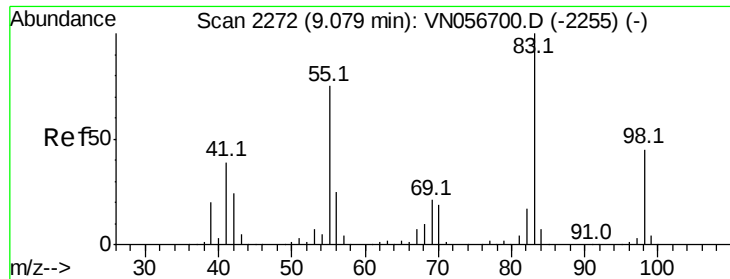
MMDadoda  
7/19/2019 1:06:31 AM



#38  
Carbon Tetrachloride  
Concen: 50.176 ug/l  
RT: 7.77 min Scan# 1865  
Delta R.T. -0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 93.6  | 77.5  | 116.3 |
| 121     | 31.0  | 24.7  | 37.1  |





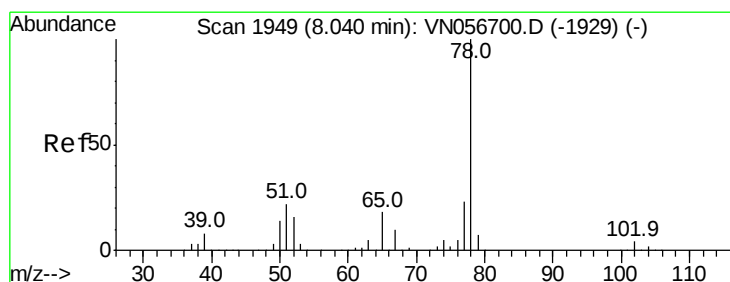
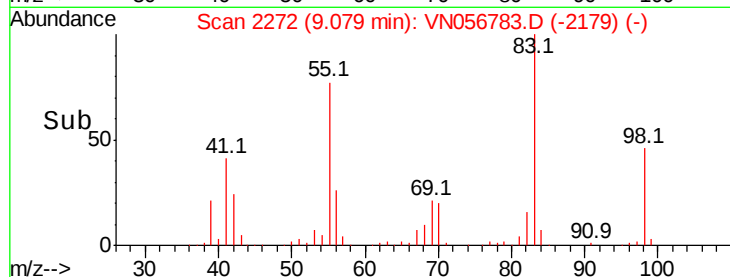
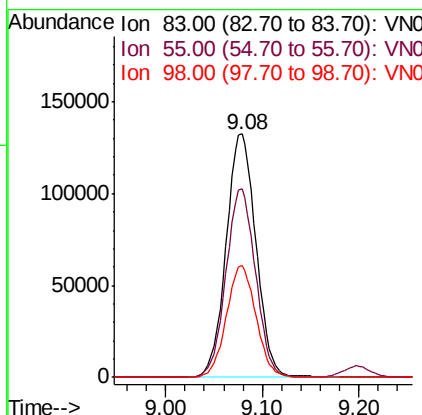
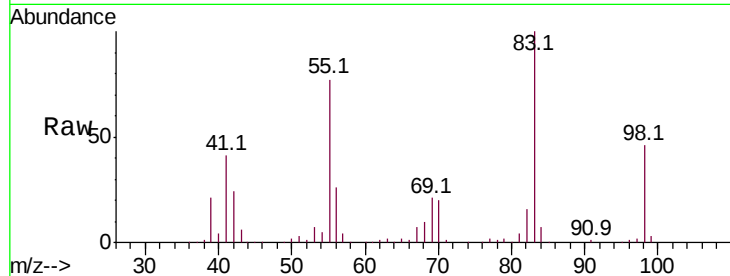
#39  
Methvlcvclohexane  
Concen: 51.672 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. 0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 77.3  | 60.4  | 90.6  |
| 98      | 46.0  | 35.8  | 53.8  |

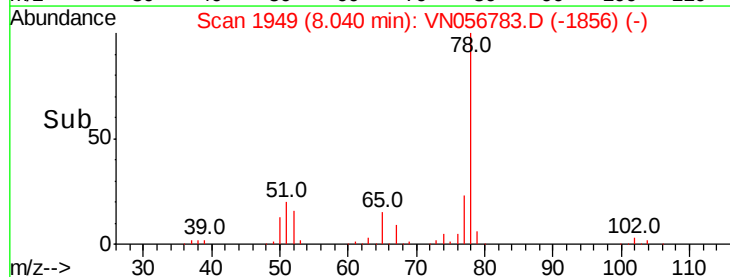
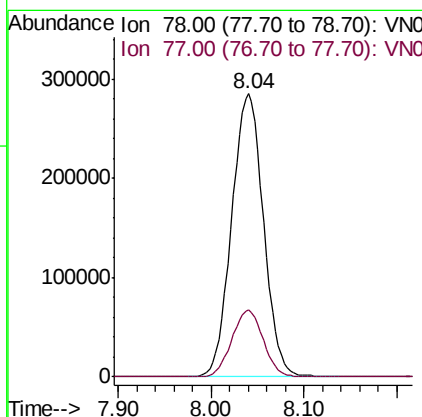
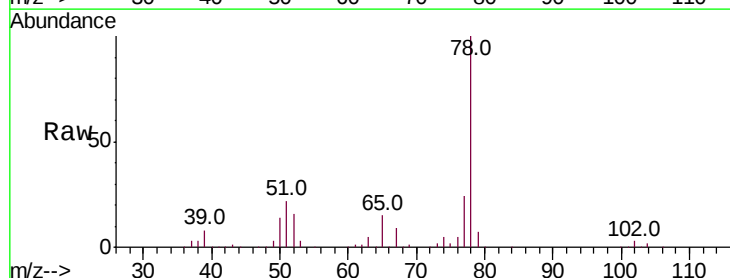
Manual Integrations  
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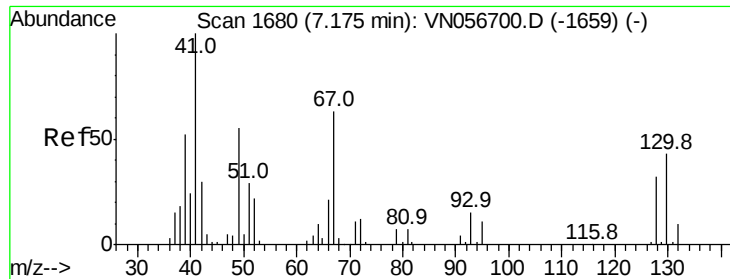
MMDadoda  
7/19/2019 1:06:31 AM



#40  
Benzene  
Concen: 49.827 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. -0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.5  | 18.6  | 27.8  |





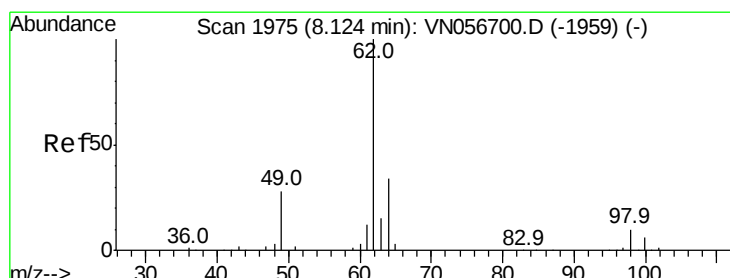
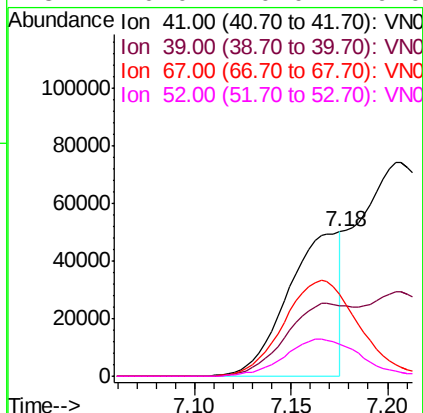
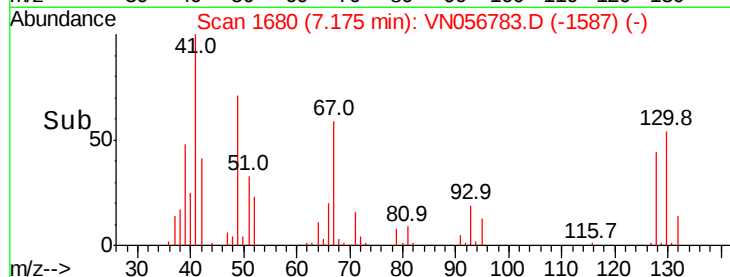
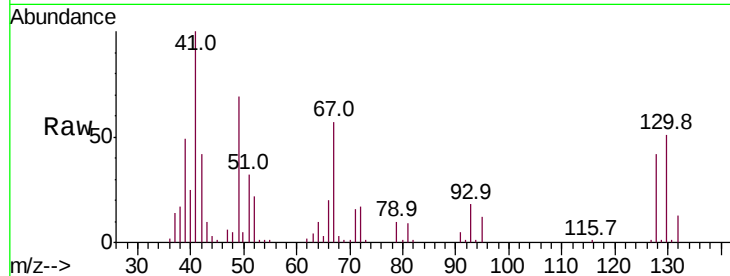
#41  
Methacrylonitrile  
Concen: 49.382 ug/l m  
RT: 7.18 min Scan# 1680  
Delta R.T. -0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 0.0   | 0.0   | 0.0   |
| 67      | 0.0   | 0.0   | 0.0   |
| 52      | 0.0   | 0.0   | 0.0   |

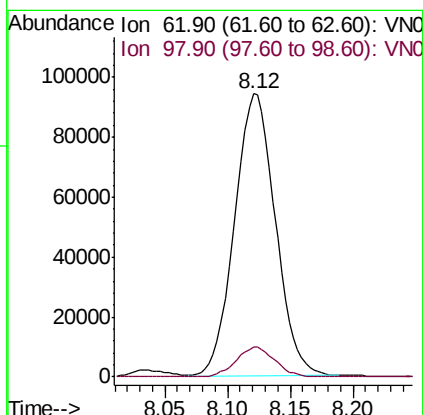
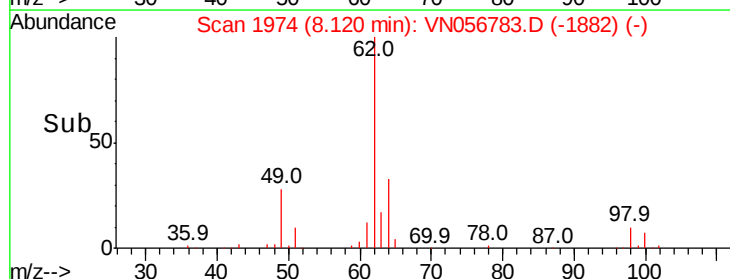
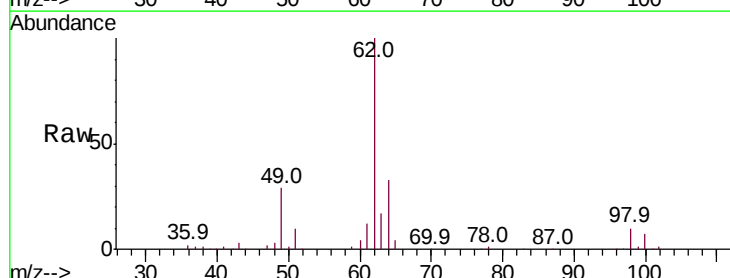
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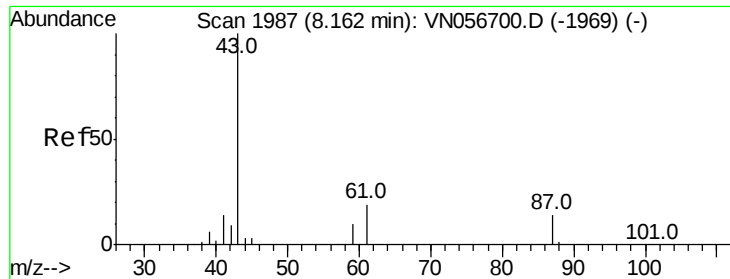
MMDadoda  
7/19/2019 1:06:31 AM



#42  
1,2-Dichloroethane  
Concen: 49.413 ug/l  
RT: 8.12 min Scan# 1974  
Delta R.T. -0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.1  | 0.0   | 19.8  |





#43

Isopropyl Acetate

Concen: 51.147 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

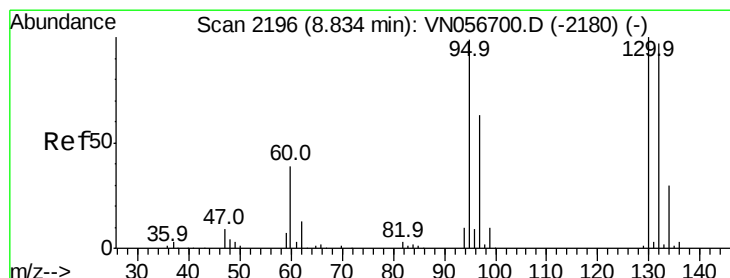
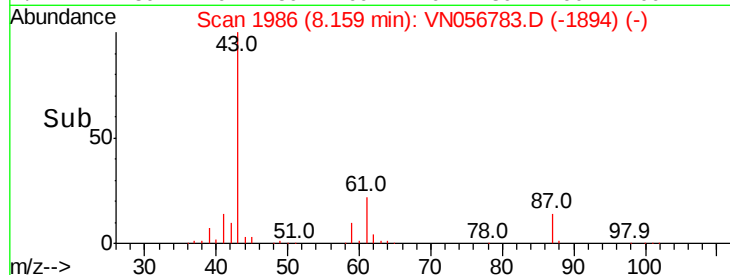
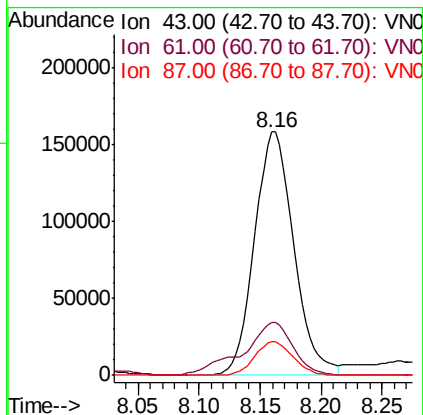
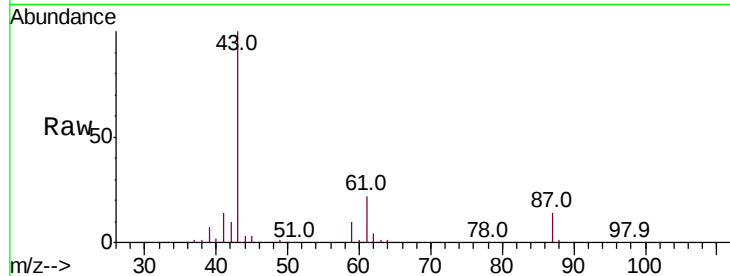
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 43    | Resp: | 352393 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 27.8  | 22.3  | 33.5   |
| 87        | 13.7  | 11.1  | 16.7   |

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7/19/2019 1:06:31 AM



#44

Trichloroethene

Concen: 50.347 ug/l

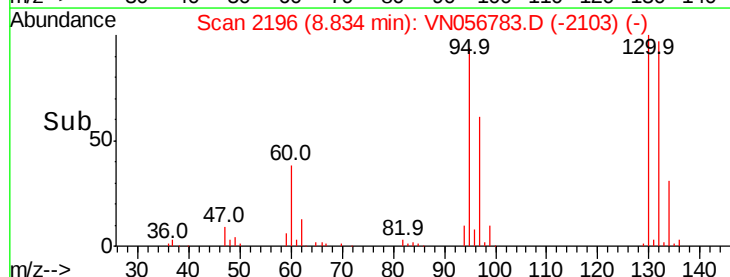
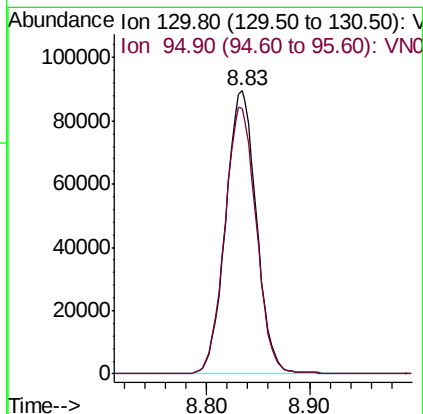
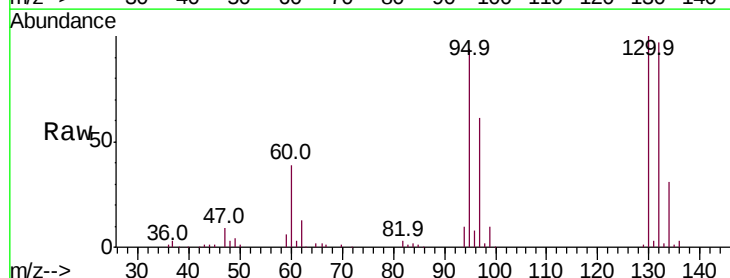
RT: 8.83 min Scan# 2196

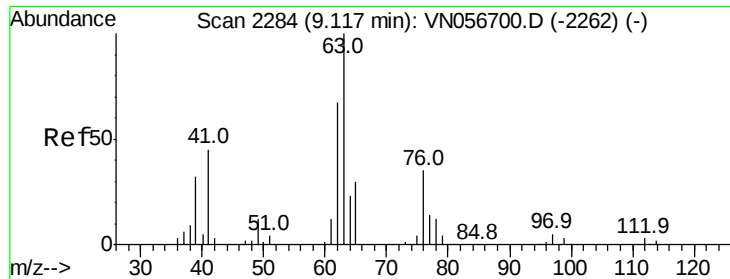
Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 130   | Resp: | 186276 |
| Ion Ratio | Lower | Upper |        |
| 130       | 100   |       |        |
| 95        | 93.7  | 0.0   | 197.2  |





#45

1,2-Dichloropropane

Concen: 50.697 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 183537

Ion Ratio Lower Upper

63 100

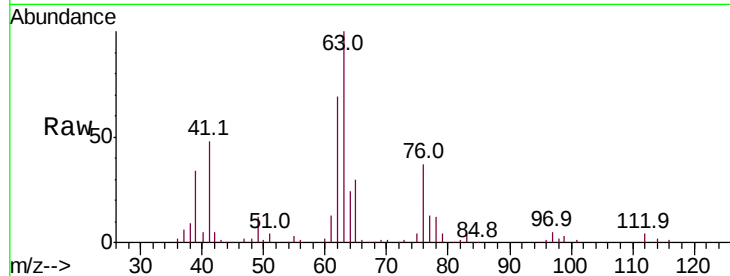
65 30.5 24.0 36.0

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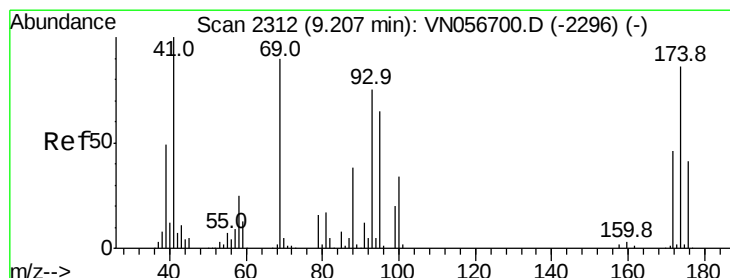
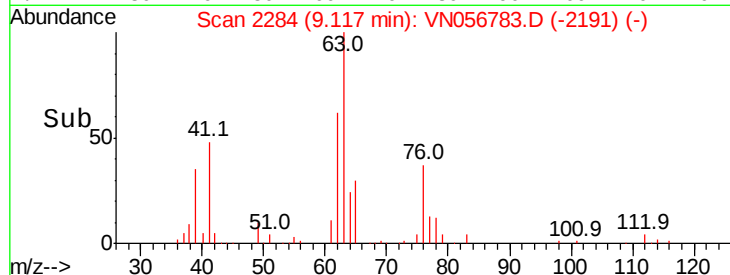
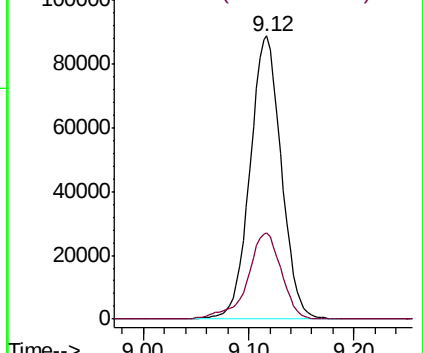
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 51.524 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

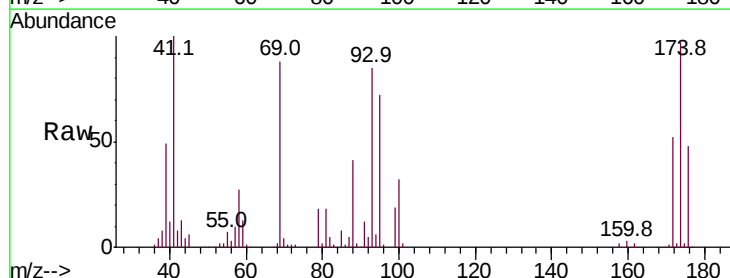
Tgt Ion: 93 Resp: 115593

Ion Ratio Lower Upper

93 100

95 83.3 67.4 101.0

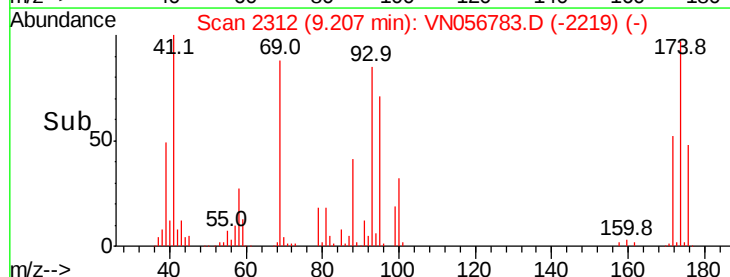
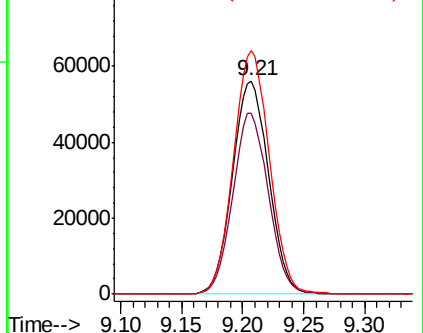
174 113.5 90.3 135.5

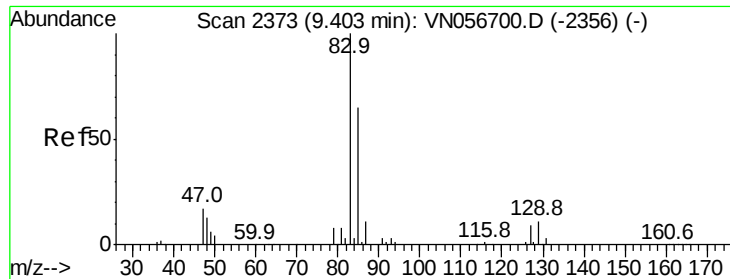


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.626 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

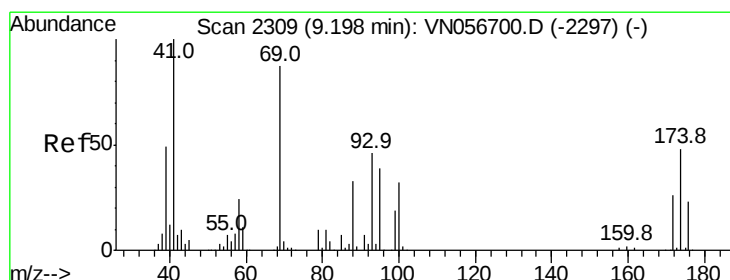
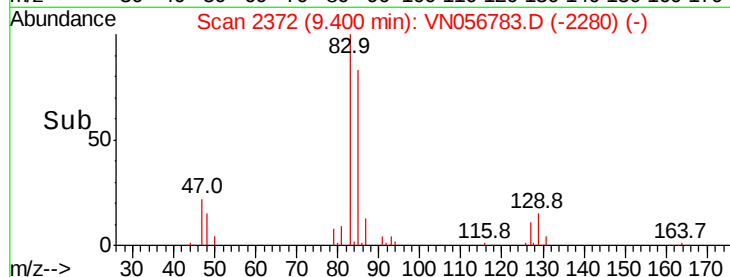
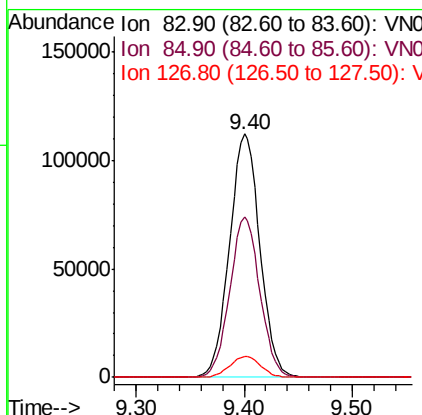
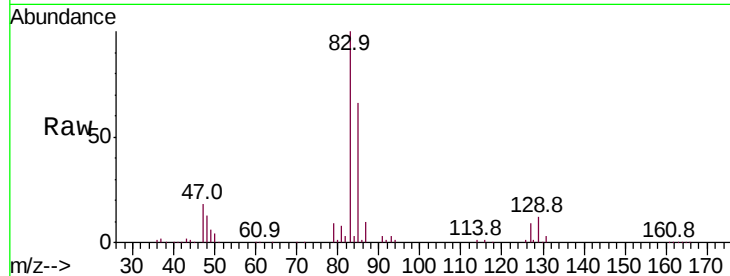
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 220094 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 65.7  | 52.3  | 78.5   |
| 127       | 8.6   | 7.6   | 11.4   |

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#48

Methyl methacrylate

Concen: 50.638 ug/l

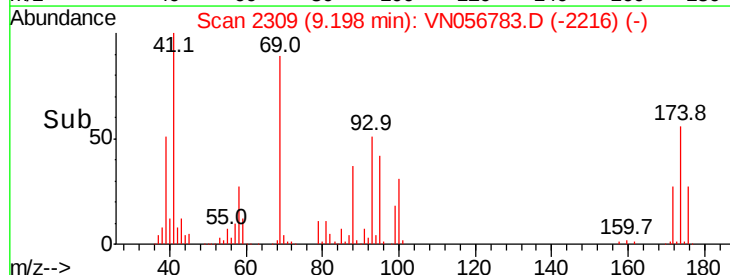
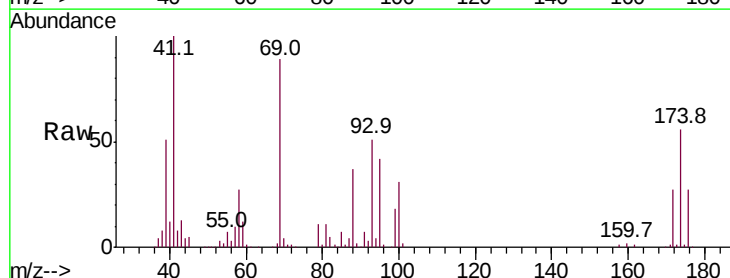
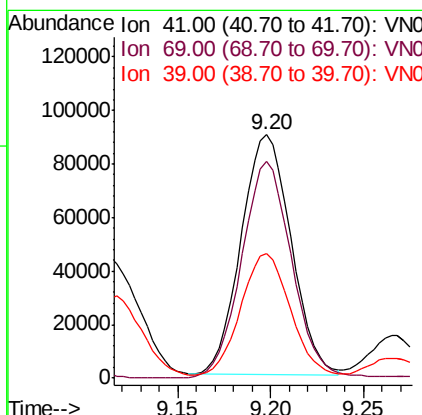
RT: 9.20 min Scan# 2309

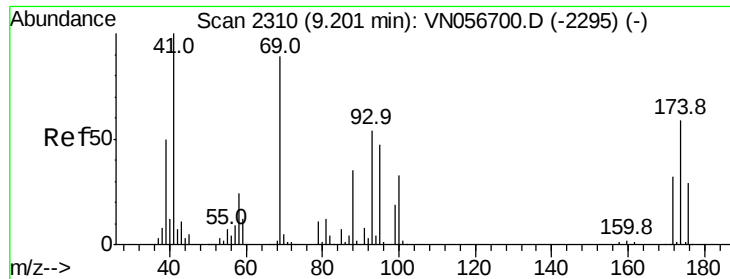
Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 168725 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 91.2  | 71.4  | 107.0  |
| 39        | 50.0  | 41.2  | 61.8   |





#49

1,4-Dioxane

Concen: 1067.700 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

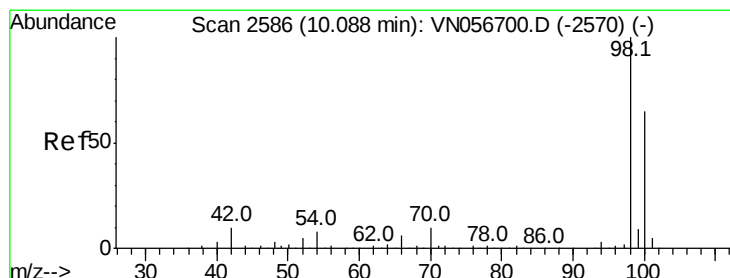
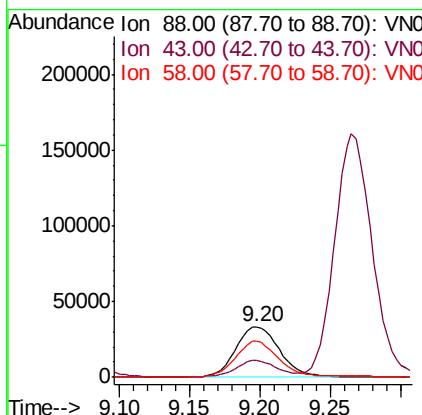
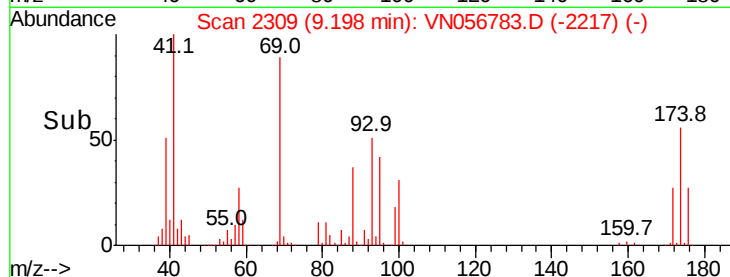
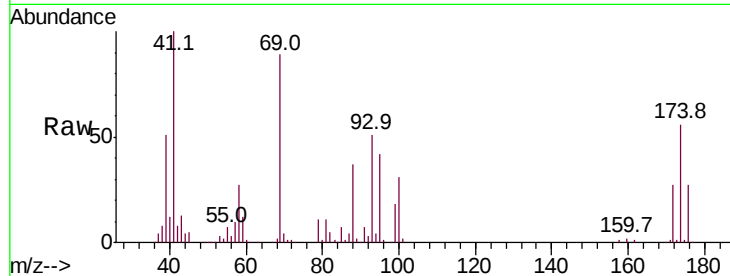
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 72997 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 29.6  | 23.7  | 35.5  |
| 58       | 70.0  | 55.6  | 83.4  |

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#50

Toluene-d8

Concen: 51.846 ug/l

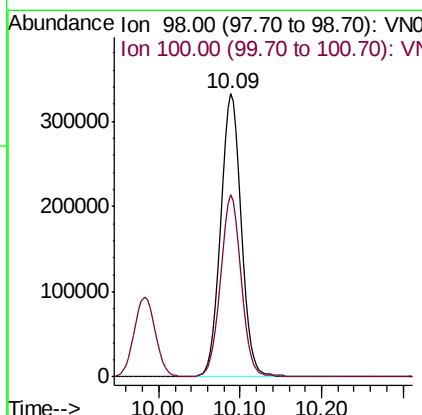
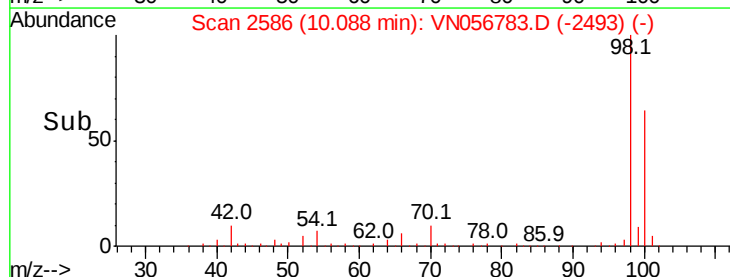
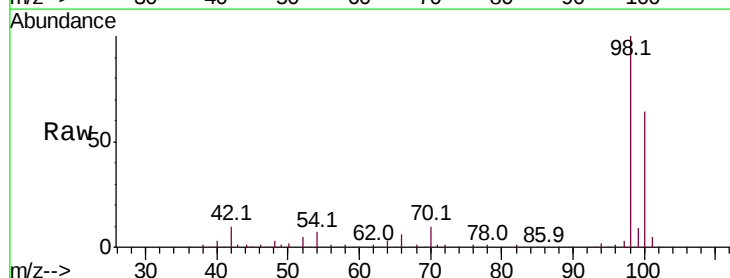
RT: 10.09 min Scan# 2586

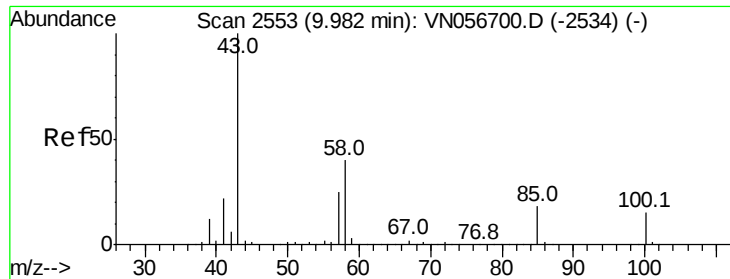
Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 598806 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 64.1  | 52.0  | 78.0   |





#51

4-Methyl-2-Pentanone

Concen: 249.701 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1114259

Ion Ratio Lower Upper

43 100

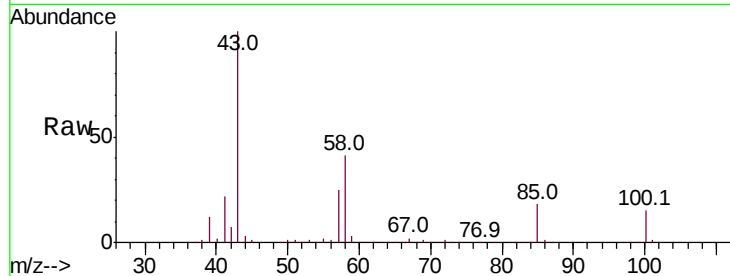
58 40.0 32.0 48.0

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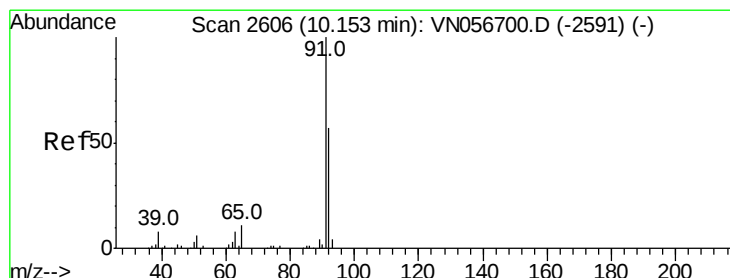
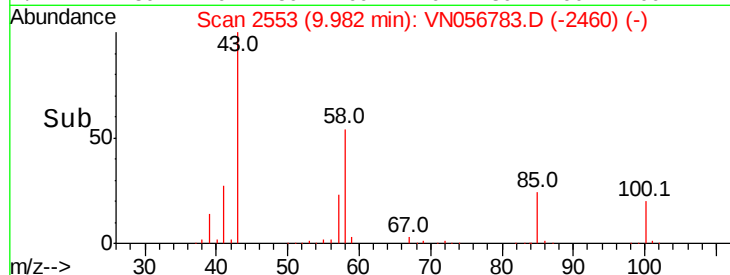
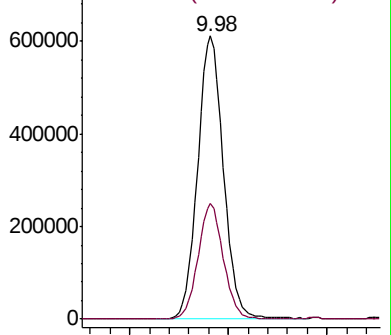
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.962 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056783.D

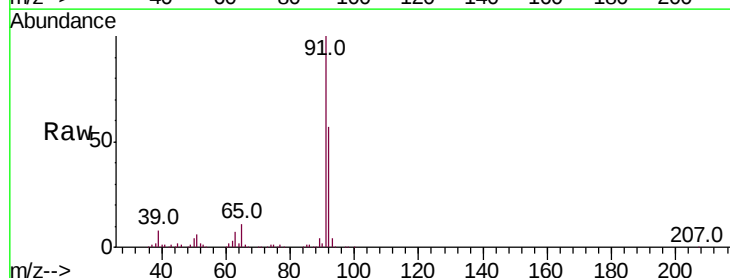
Acq: 17 Jul 2019 8:55

Tgt Ion: 92 Resp: 420443

Ion Ratio Lower Upper

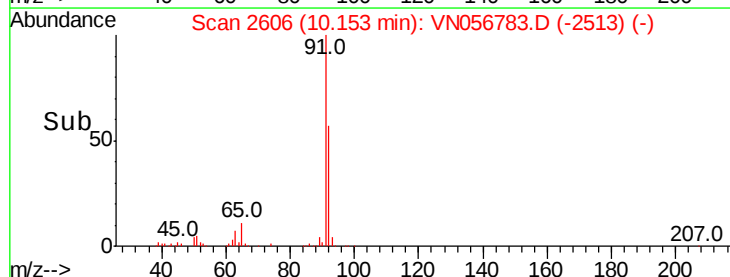
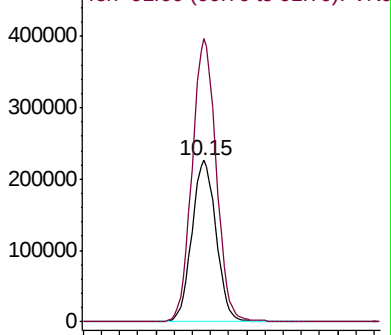
92 100

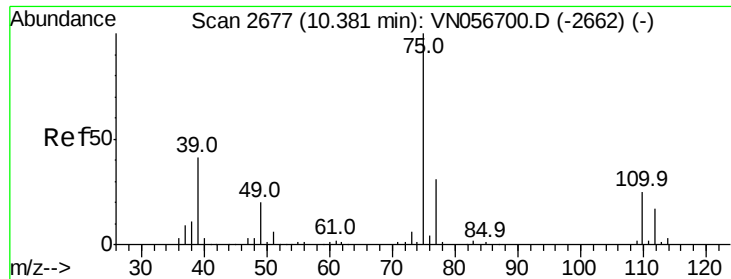
91 174.5 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





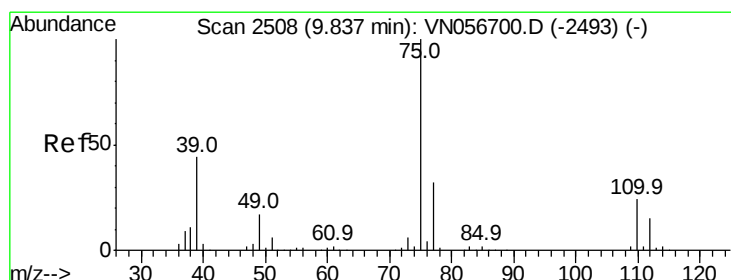
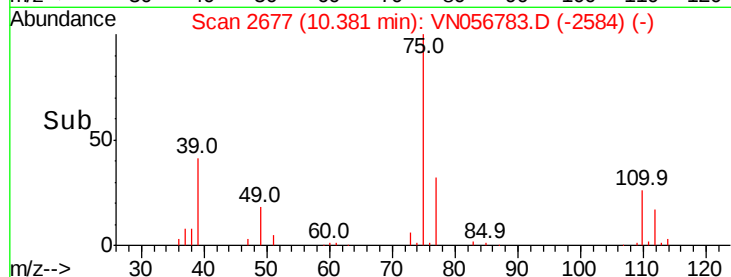
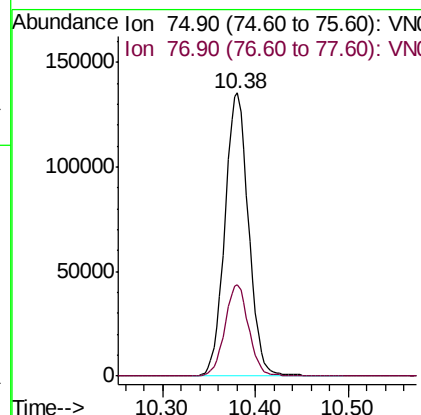
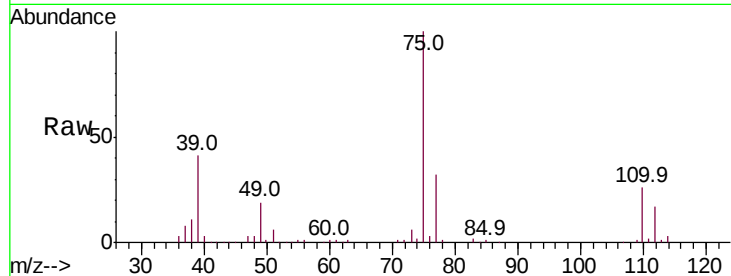
#53  
 t-1,3-Dichloropropene  
 Concen: 53.845 ug/l  
 RT: 10.38 min Scan# 2677  
 Delta R.T. 0.00 min  
 Lab File: VN056783.D  
 Acq: 17 Jul 2019 8:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 75 Resp: 239495  
 Ion Ratio Lower Upper  
 75 100  
 77 32.4 25.0 37.6

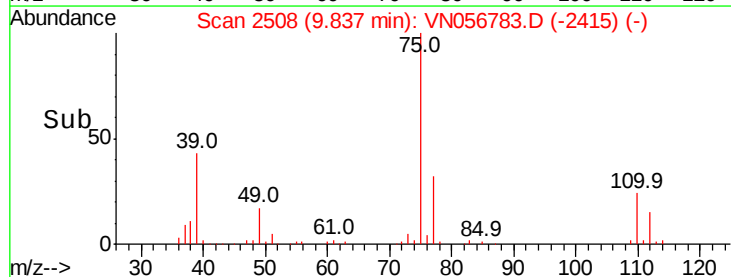
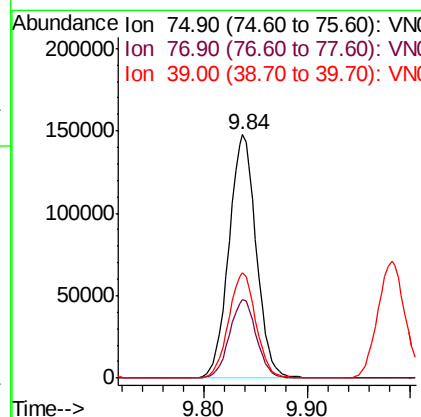
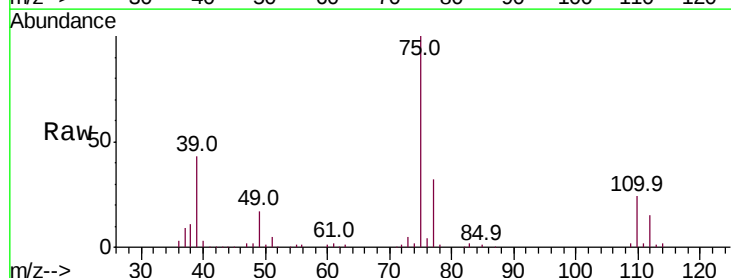
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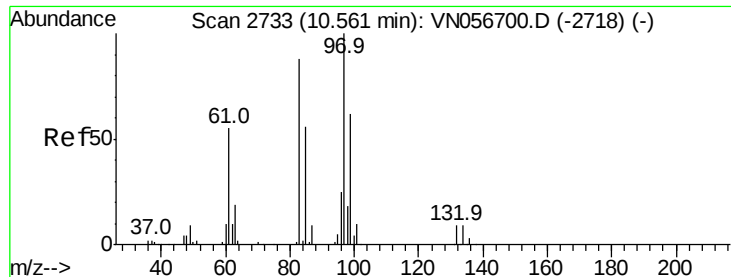
MMDadoda  
 7/19/2019 1:06:31 AM



#54  
 cis-1,3-Dichloropropene  
 Concen: 52.741 ug/l  
 RT: 9.84 min Scan# 2508  
 Delta R.T. 0.00 min  
 Lab File: VN056783.D  
 Acq: 17 Jul 2019 8:55

Tgt Ion: 75 Resp: 272220  
 Ion Ratio Lower Upper  
 75 100  
 77 32.5 26.0 39.0  
 39 43.4 35.1 52.7





#55

1,1,2-Trichloroethane

Concen: 49.436 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

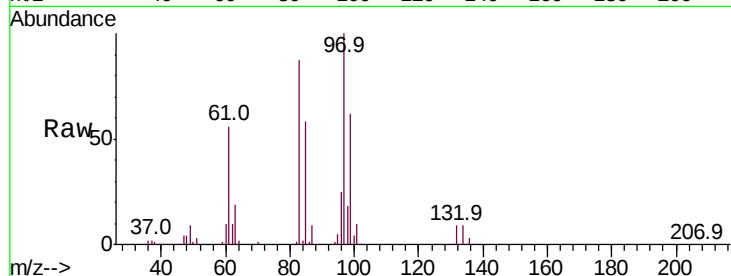
ClientSampled :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 167773 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 87.3  | 70.3  | 105.5  |
| 85       | 57.8  | 44.8  | 67.2   |
| 99       | 61.8  | 49.6  | 74.4   |

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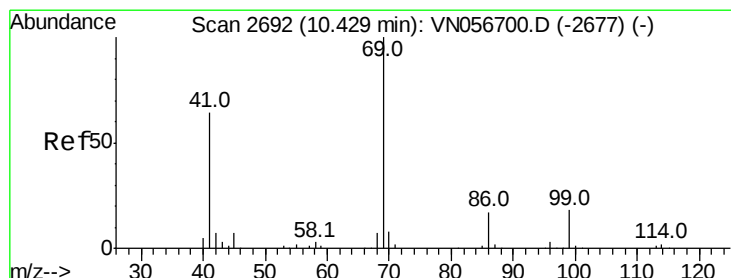
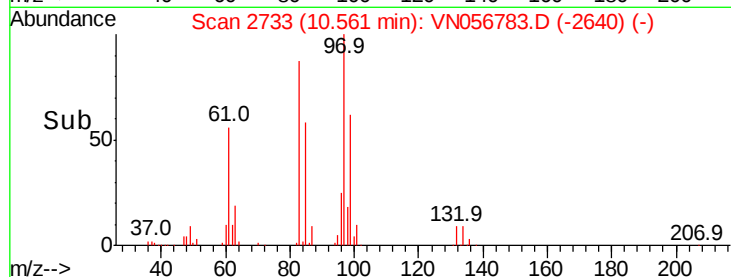
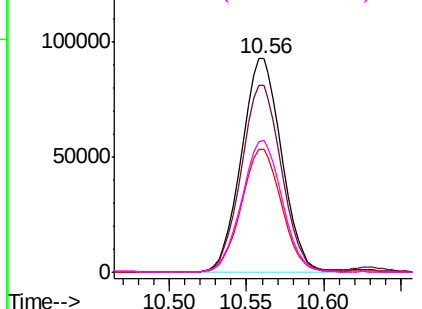


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 53.233 ug/l

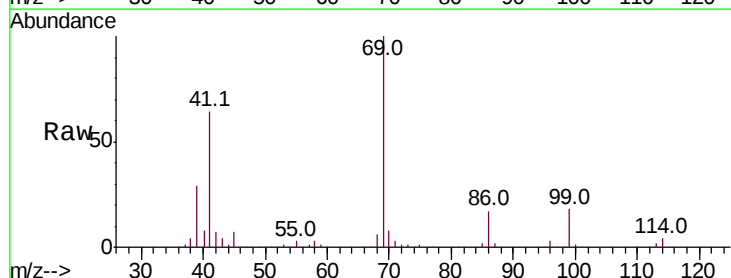
RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

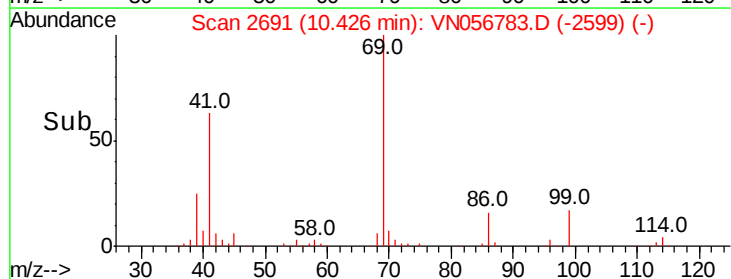
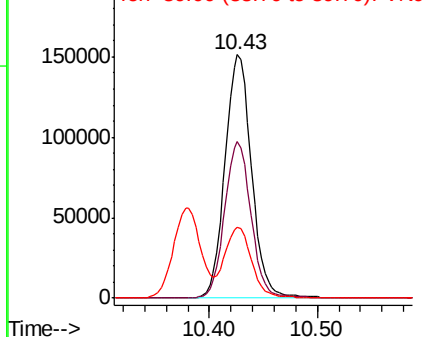
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 259944 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 63.2  | 51.0  | 76.4   |
| 39       | 29.9  | 24.6  | 36.8   |

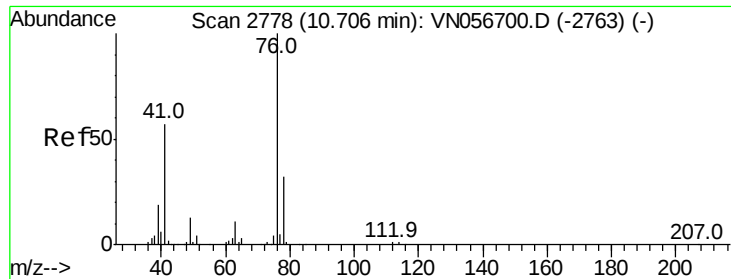


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 51.014 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 282767

Ion Ratio Lower Upper

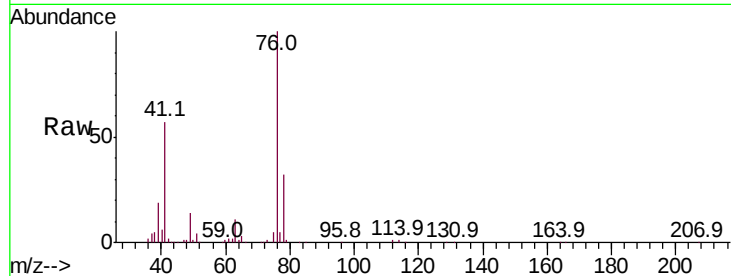
76 100

78 32.1 26.0 39.0

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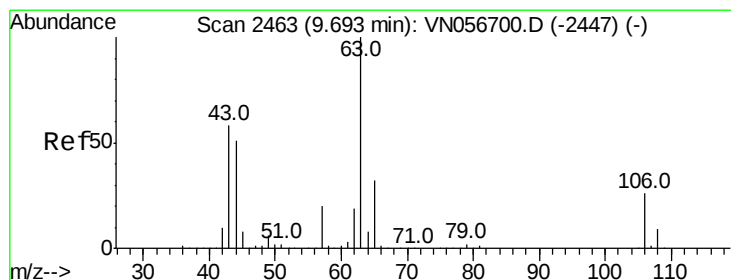
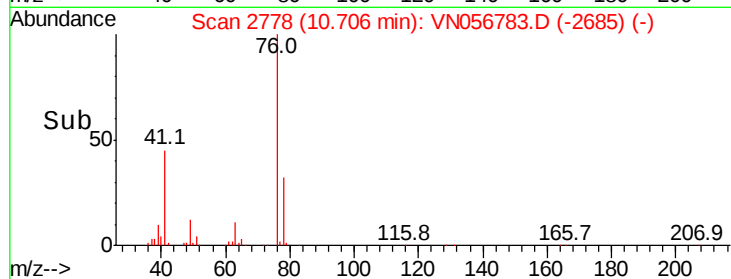
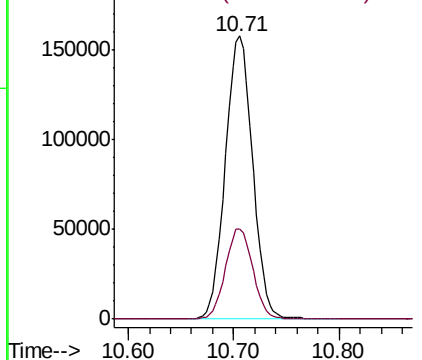
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 252.556 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056783.D

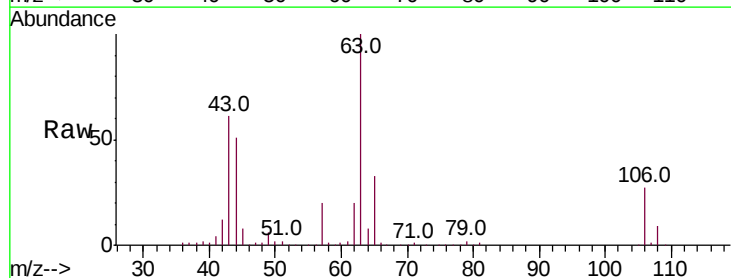
Acq: 17 Jul 2019 8:55

Tgt Ion: 63 Resp: 593050

Ion Ratio Lower Upper

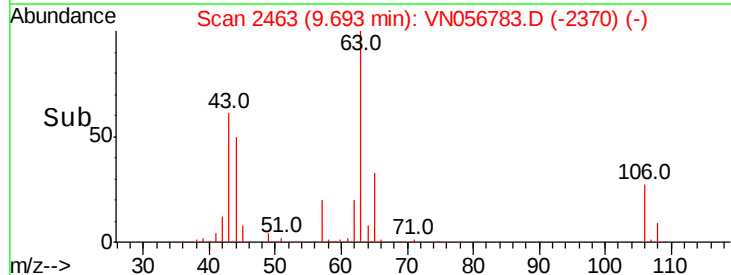
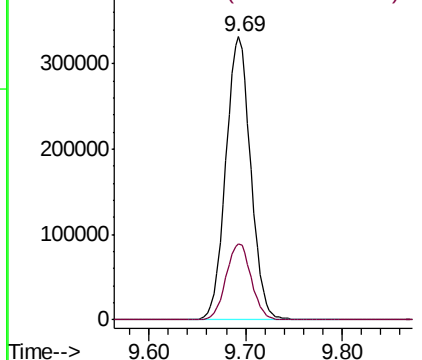
63 100

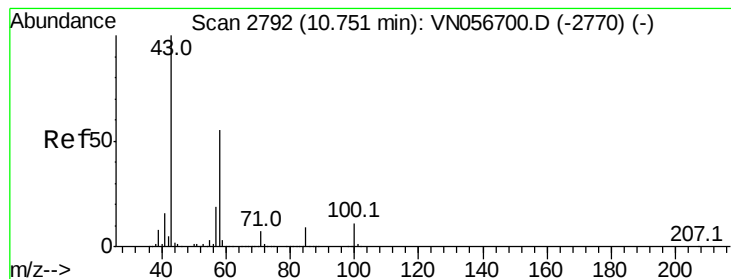
106 27.3 21.2 31.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 264.566 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 847117

Ion Ratio Lower Upper

43 100

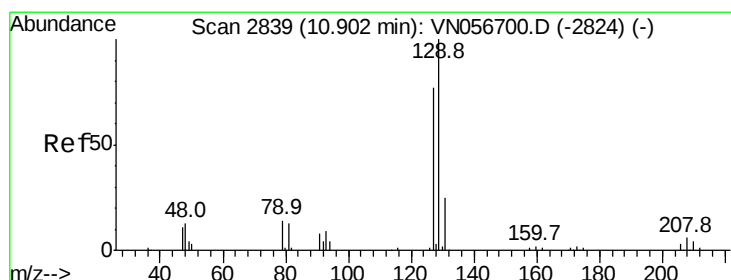
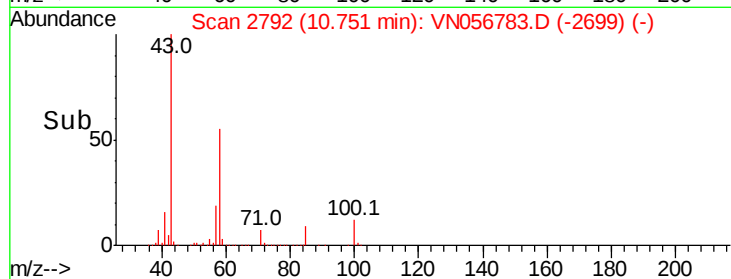
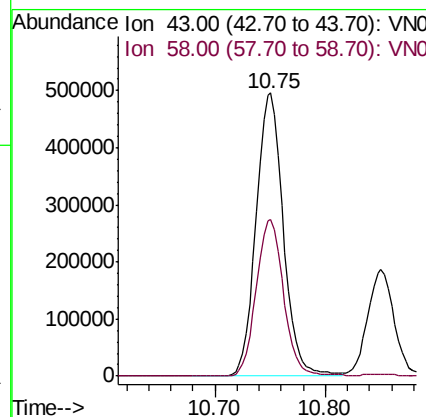
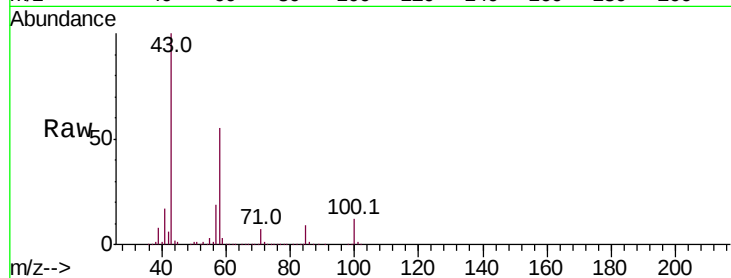
58 55.9 27.9 83.6

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#60

Dibromochloromethane

Concen: 53.655 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN056783.D

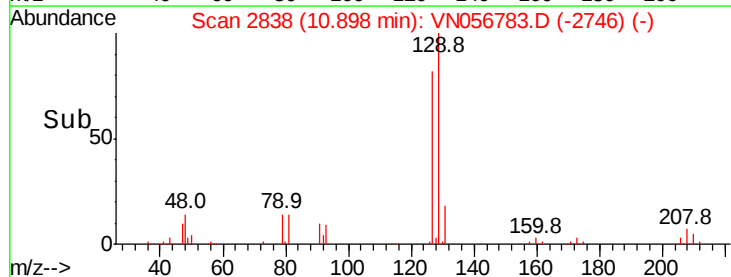
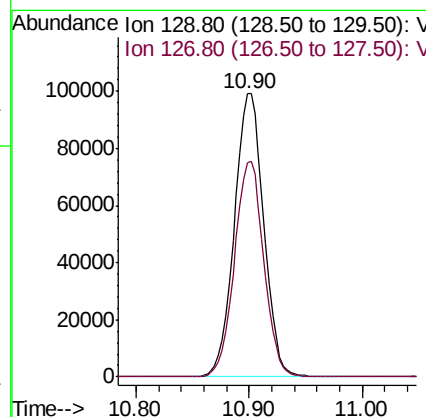
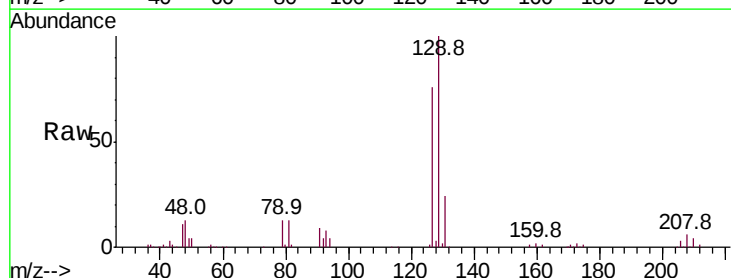
Acq: 17 Jul 2019 8:55

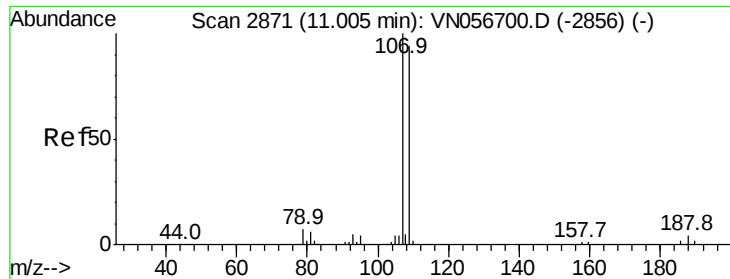
Tgt Ion: 129 Resp: 179085

Ion Ratio Lower Upper

129 100

127 75.9 38.2 114.6





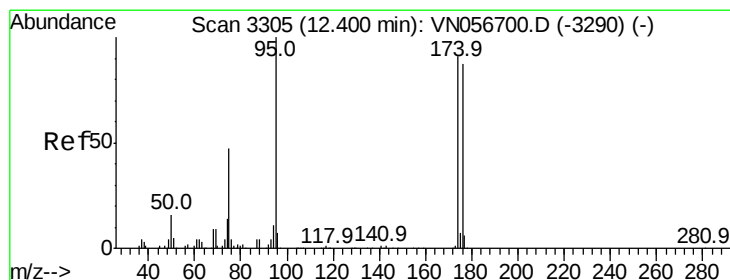
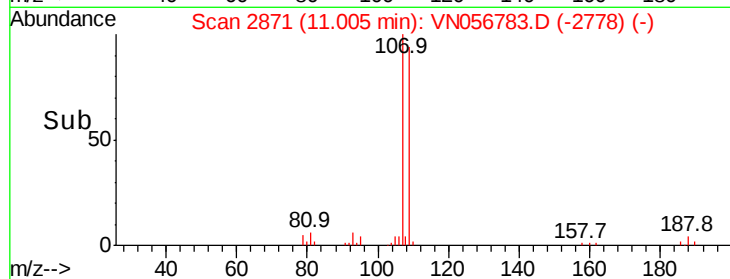
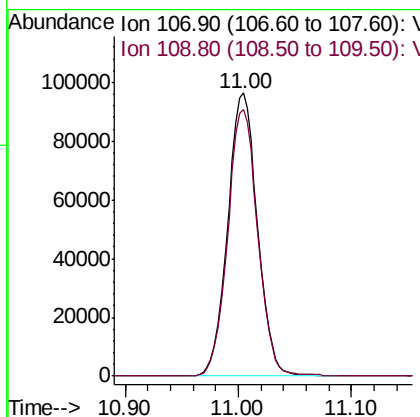
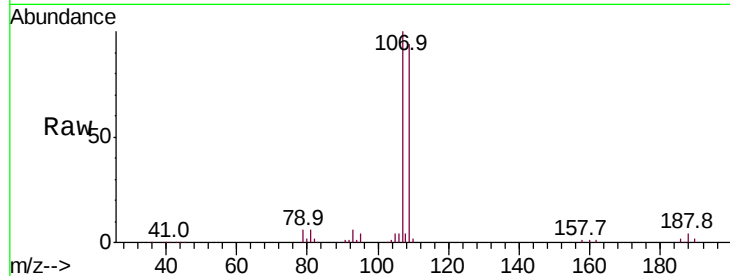
#61  
 1,2-Dibromoethane  
 Concen: 52.120 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. 0.00 min  
 Lab File: VN056783.D  
 Acq: 17 Jul 2019 8:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 175790 |       |       |
| 109     | 95.2  | 76.2   | 114.4 |       |

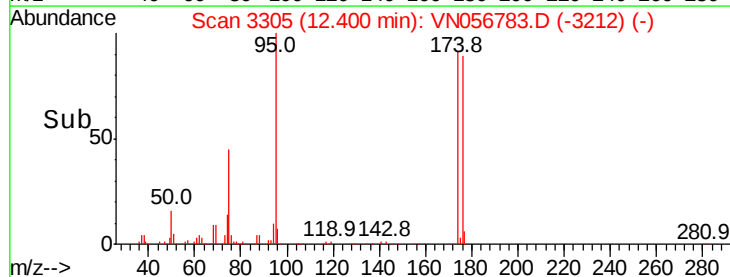
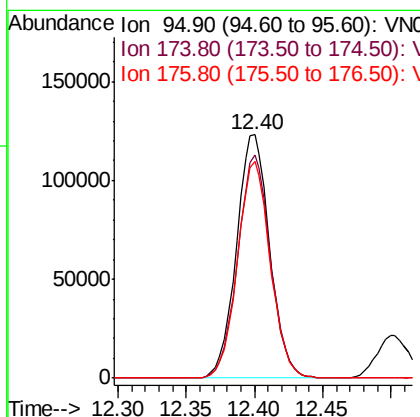
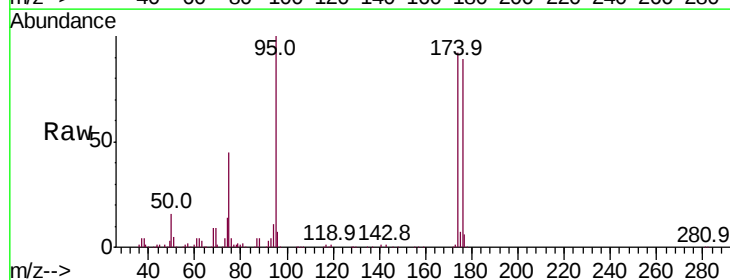
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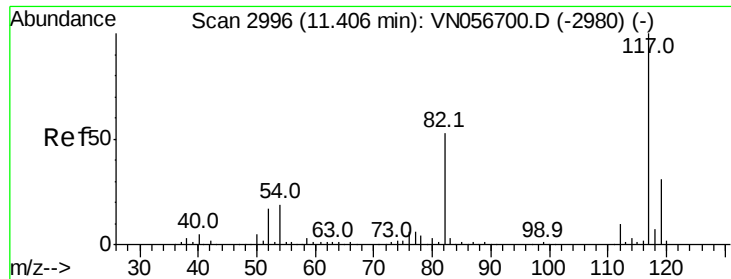
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#62  
 4-Bromofluorobenzene  
 Concen: 53.310 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. -0.00 min  
 Lab File: VN056783.D  
 Acq: 17 Jul 2019 8:55

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 207639 |       |       |
| 174     | 90.3  | 0.0    | 180.0 |       |
| 176     | 87.7  | 0.0    | 173.2 |       |





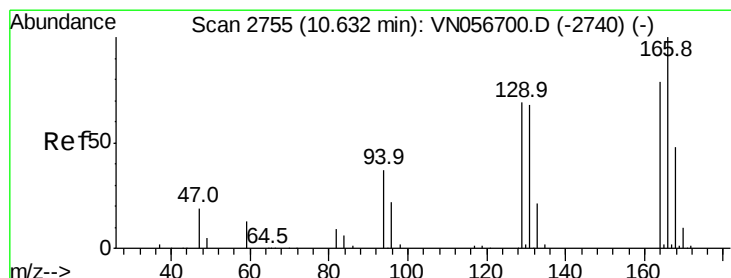
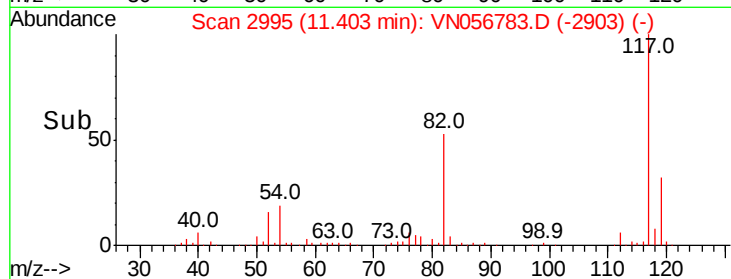
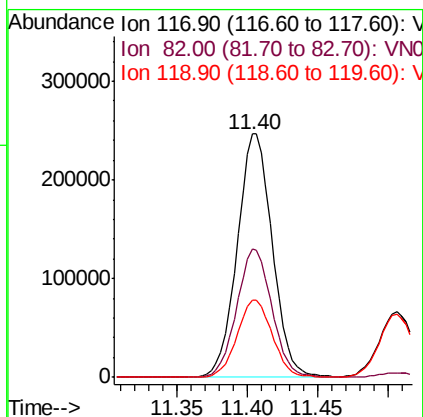
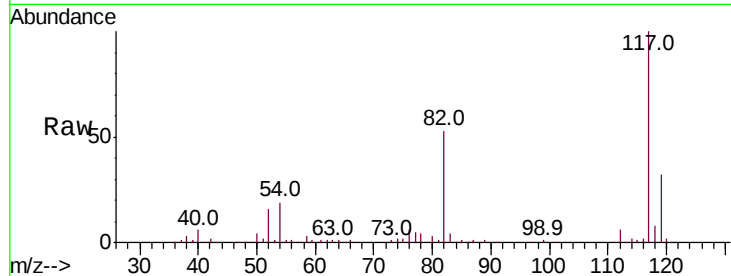
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2995  
Delta R.T. -0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.9  | 42.2  | 63.2  |
| 119     | 31.8  | 25.2  | 37.8  |

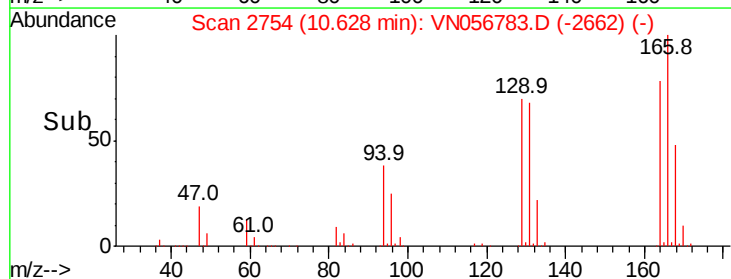
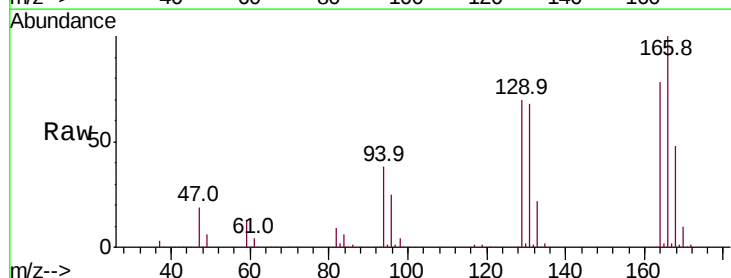
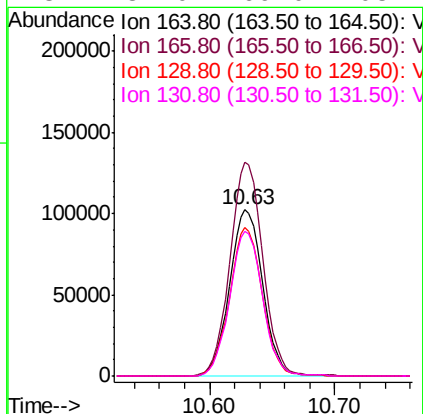
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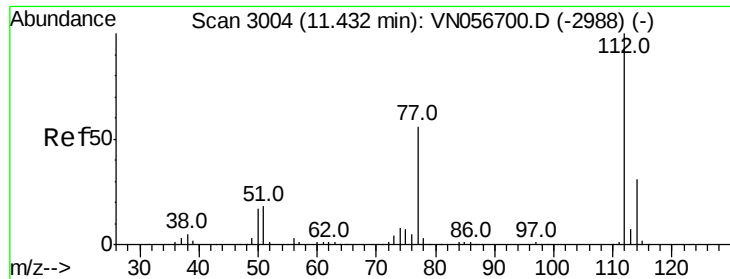
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#64  
Tetrachloroethene  
Concen: 50.598 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. -0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.5 | 101.4 | 152.2 |
| 129     | 89.6  | 69.6  | 104.4 |
| 131     | 87.0  | 69.0  | 103.4 |





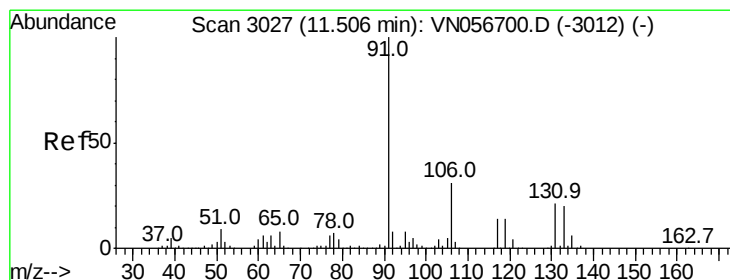
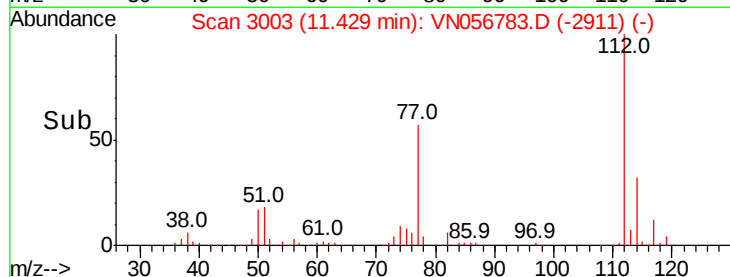
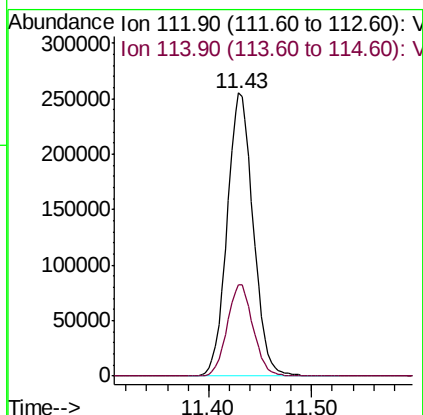
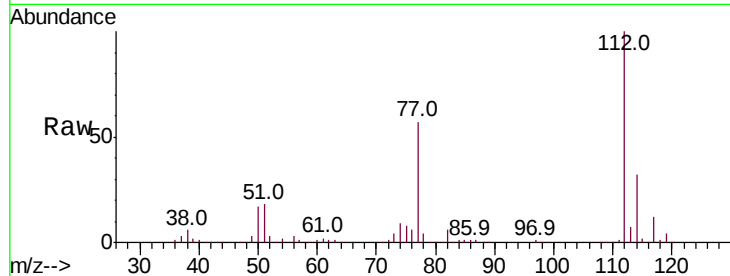
#65  
Chlorobenzene  
Concen: 51.104 ug/l  
RT: 11.43 min Scan# 3003  
Delta R.T. -0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion:112 Resp: 449406  
Ion Ratio Lower Upper  
112 100  
114 32.5 25.2 37.8

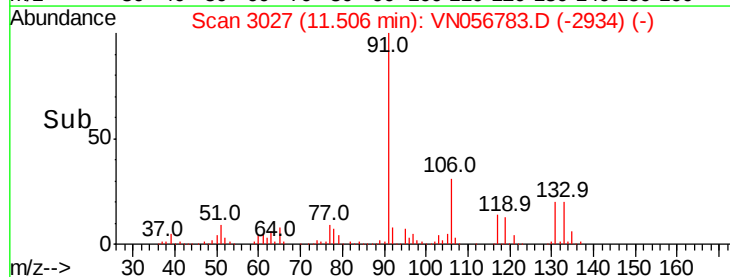
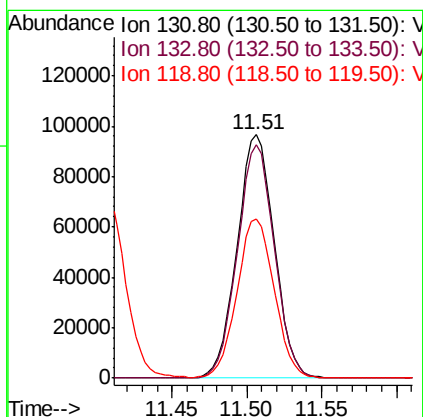
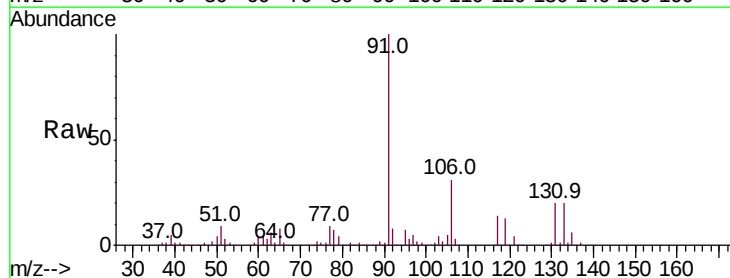
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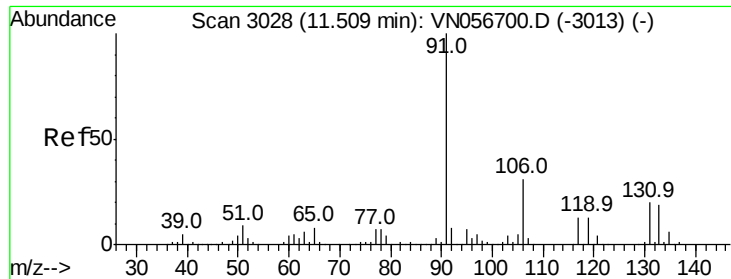
MMDadoda  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.606 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. -0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Tgt Ion:131 Resp: 167091  
Ion Ratio Lower Upper  
131 100  
133 95.4 46.9 140.7  
119 65.8 32.8 98.3





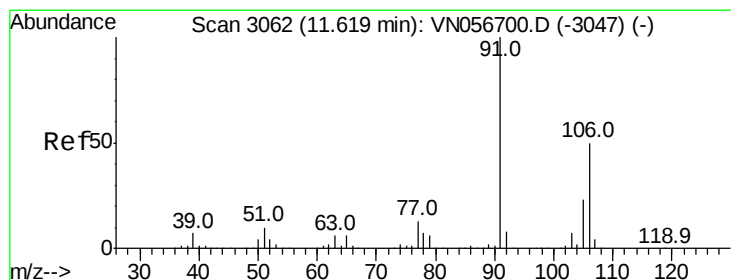
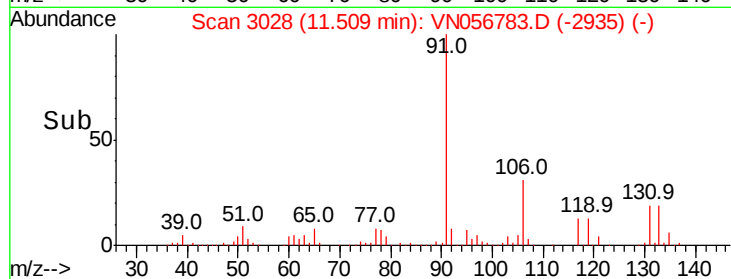
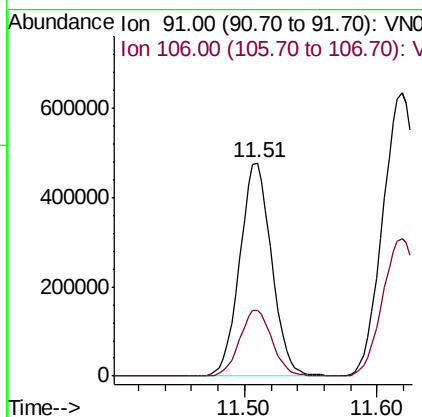
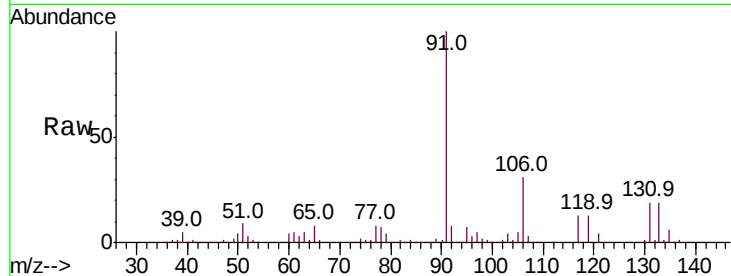
#67  
Ethyl Benzene  
Concen: 51.596 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 797399  
Ion Ratio Lower Upper  
91 100  
106 31.1 24.8 37.2

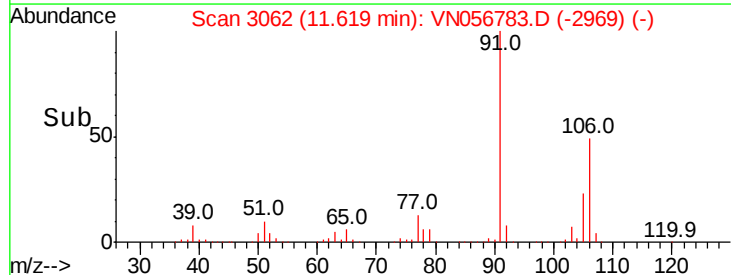
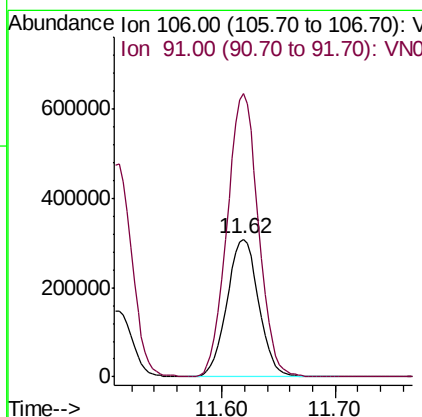
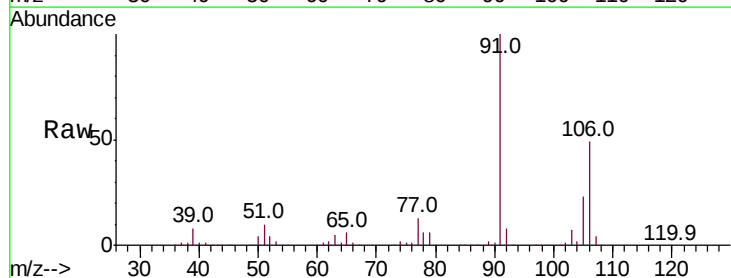
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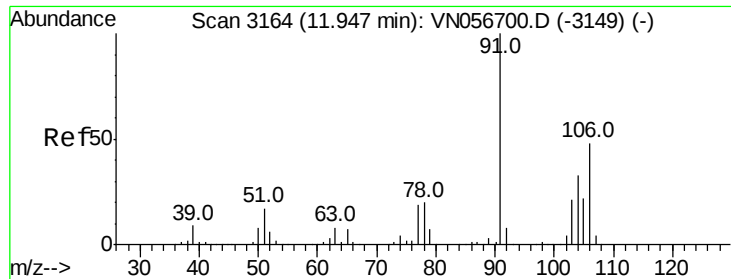
MMDadoda  
7/19/2019 1:06:31 AM



#68  
m/p-Xylenes  
Concen: 104.145 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Tgt Ion: 106 Resp: 601514  
Ion Ratio Lower Upper  
106 100  
91 203.0 160.5 240.7





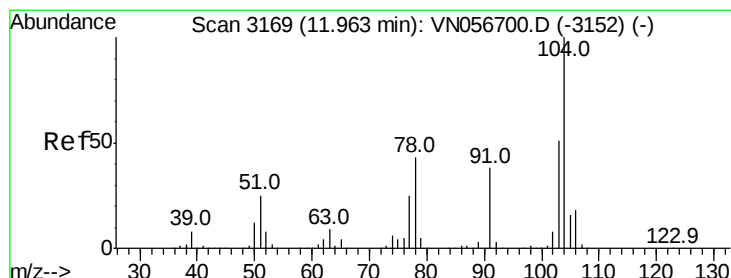
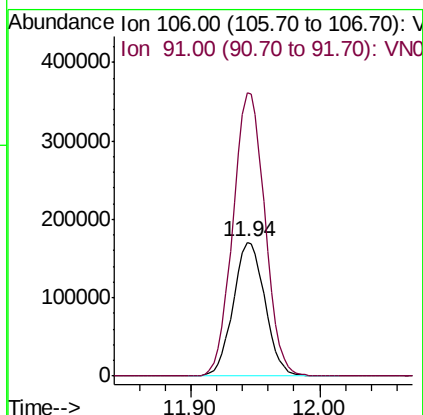
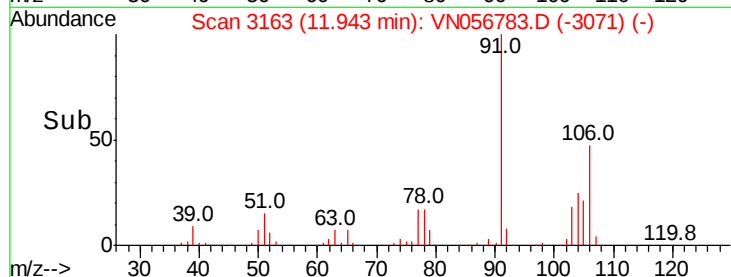
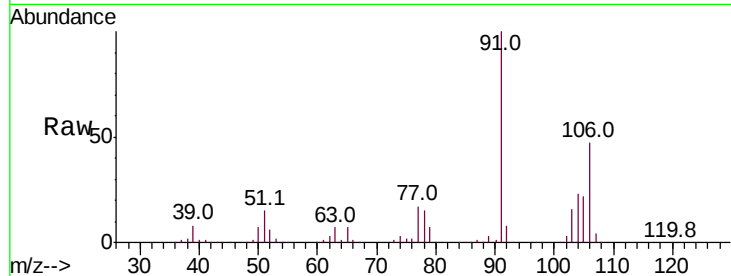
#69  
o-Xylene  
Concen: 51.287 ug/l  
RT: 11.94 min Scan# 3163  
Delta R.T. -0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:106 Resp: 291220  
Ion Ratio Lower Upper  
106 100  
91 213.4 105.6 316.8

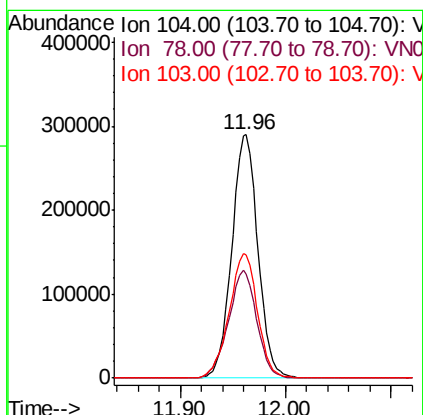
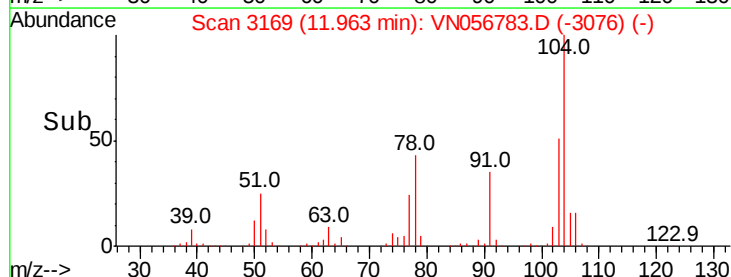
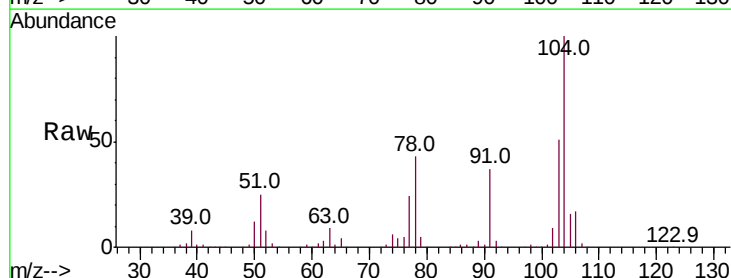
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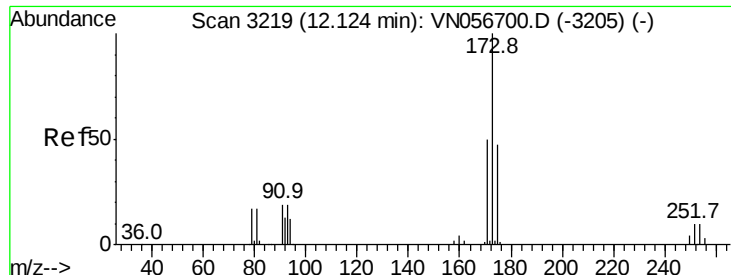
MMDadoda  
7/19/2019 1:06:31 AM



#70  
Styrene  
Concen: 53.974 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Tgt Ion:104 Resp: 495488  
Ion Ratio Lower Upper  
104 100  
78 48.0 38.6 57.8  
103 55.5 44.2 66.4





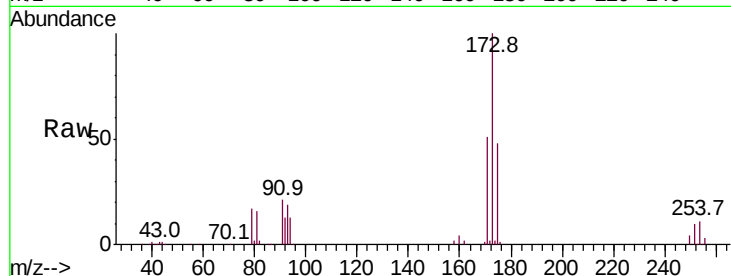
#71  
Bromoform  
Concen: 53.803 ug/l  
RT: 12.12 min Scan# 3219  
Delta R.T. -0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.5  | 23.8  | 71.4  |
| 254     | 0.0   | 0.0   | 0.0#  |

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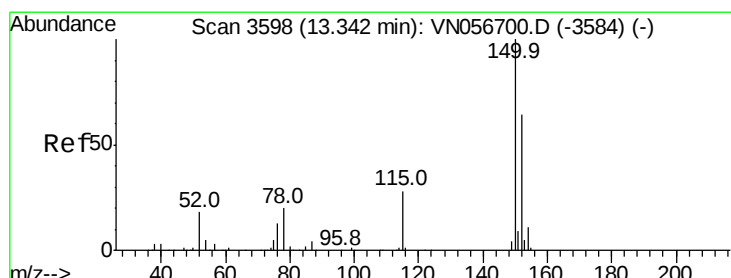
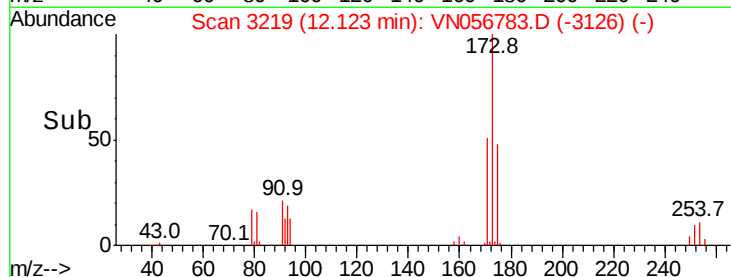
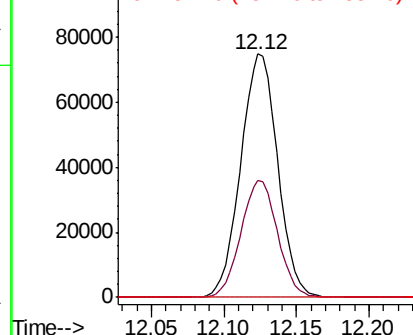


Abundance

Ion 172.70 (172.40 to 173.40): V

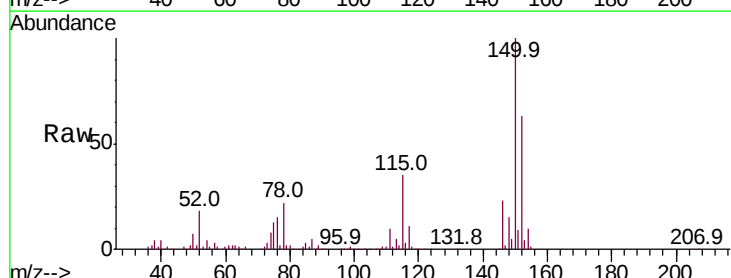
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.4  | 28.2  | 84.7  |
| 150     | 172.6 | 0.0   | 345.8 |

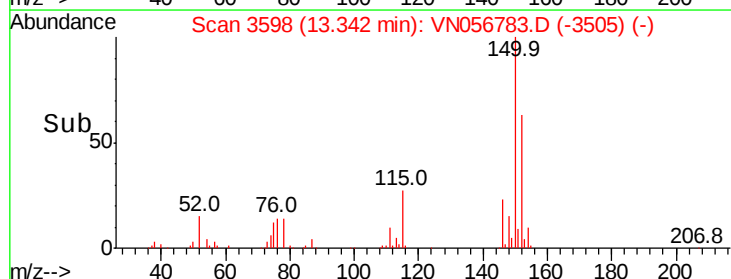
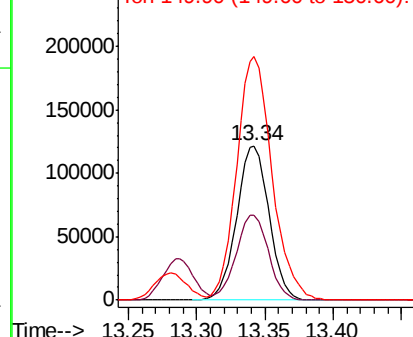


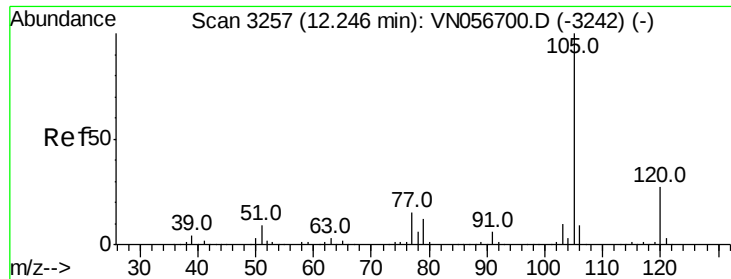
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.146 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 776667

Ion Ratio Lower Upper

105 100

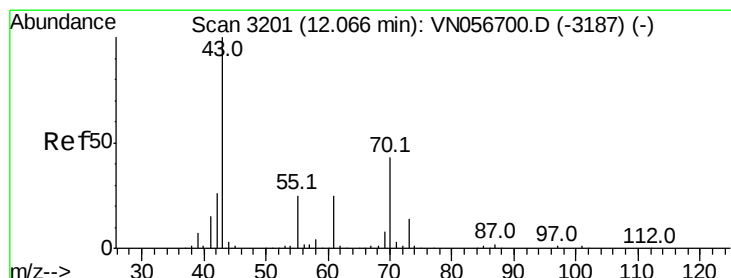
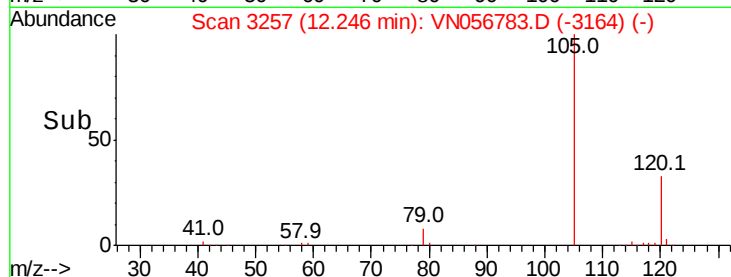
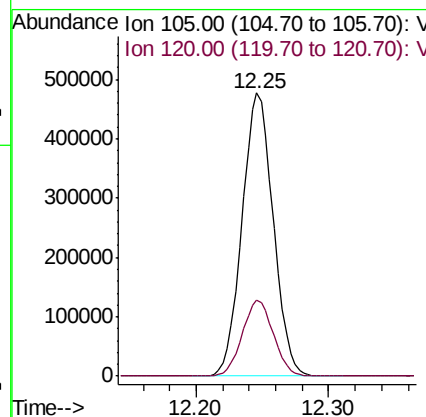
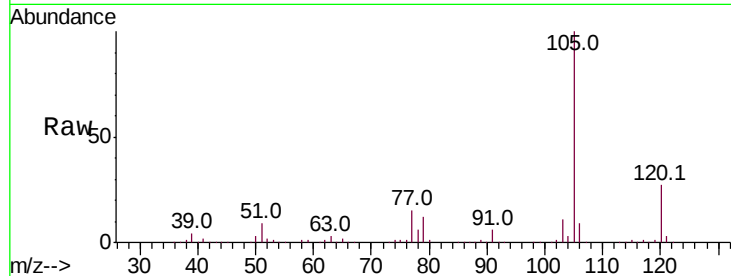
120 26.8 13.4 40.2

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#74

N-ethyl acetate

Concen: 48.142 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Tgt Ion: 43 Resp: 289227

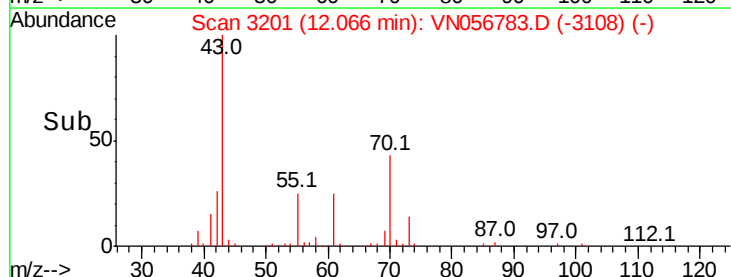
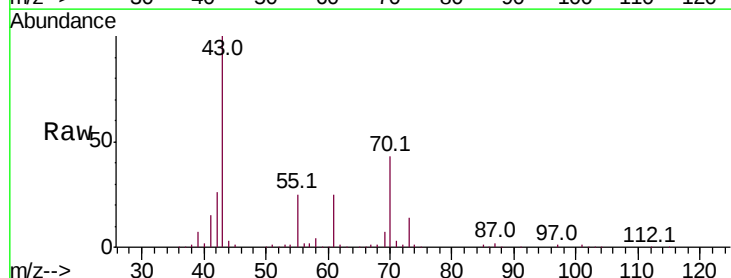
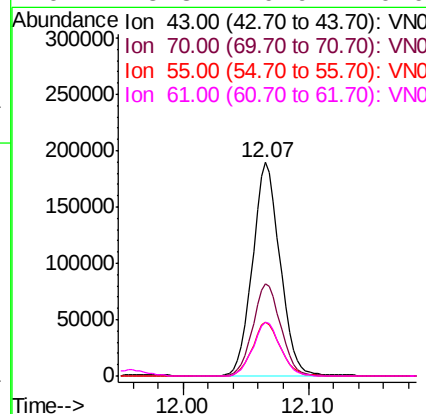
Ion Ratio Lower Upper

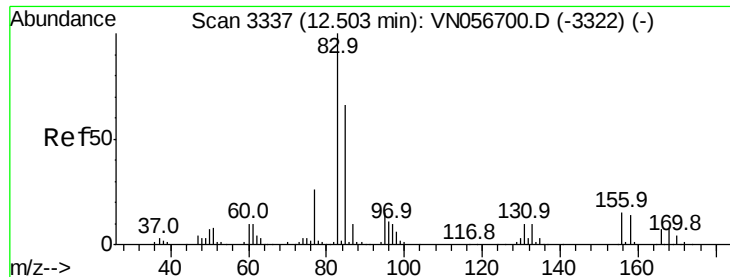
43 100

70 44.0 34.5 51.7

55 25.6 20.2 30.2

61 25.3 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.583 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 240671  
Ion Ratio Lower Upper

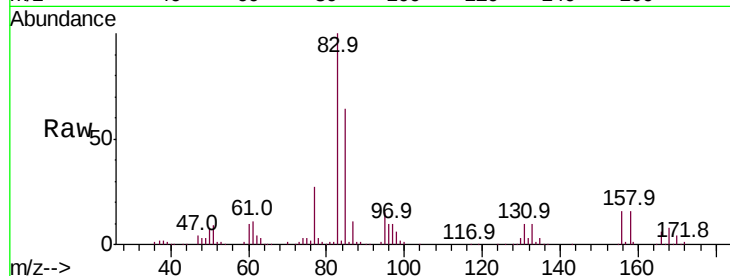
83 100

131 10.3 5.3 15.8

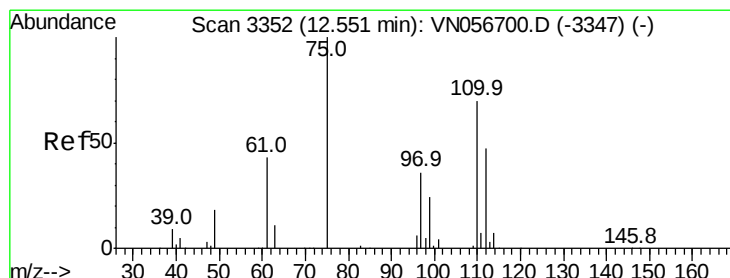
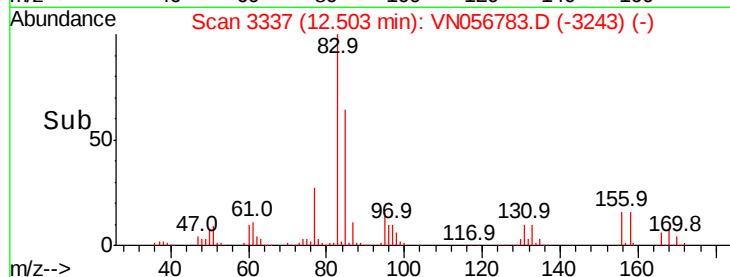
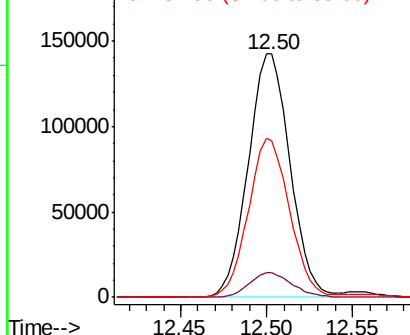
85 64.4 32.6 97.8

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Abundance Ion 82.90 (82.60 to 83.60): VNC  
Ion 130.80 (130.50 to 131.50): VNC  
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 47.410 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

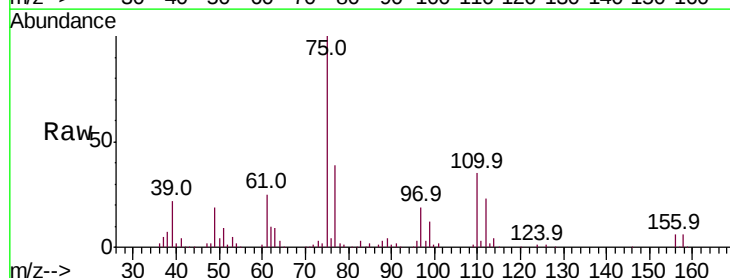
Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

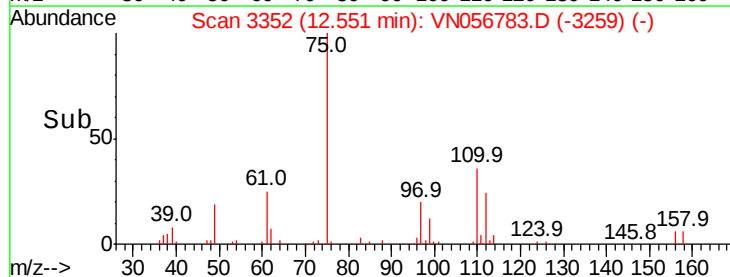
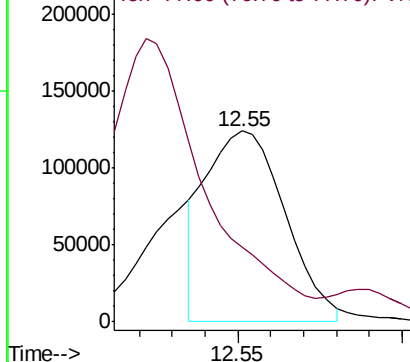
Tgt Ion: 75 Resp: 207454  
Ion Ratio Lower Upper

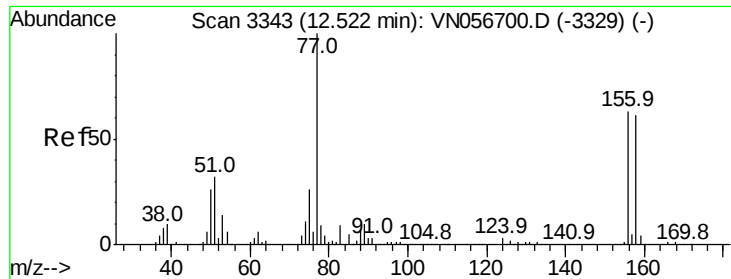
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC  
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 48.173 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

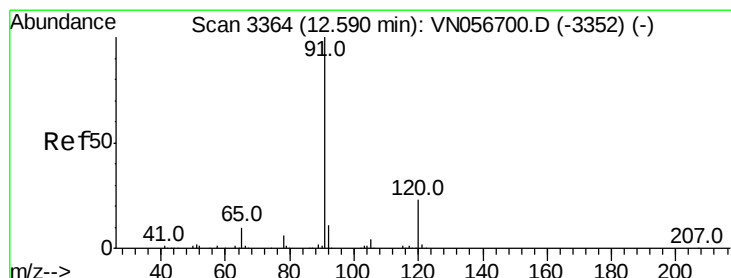
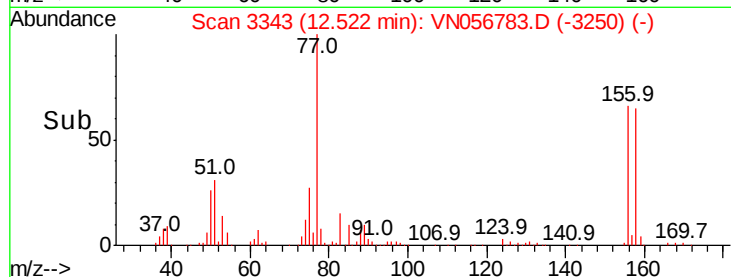
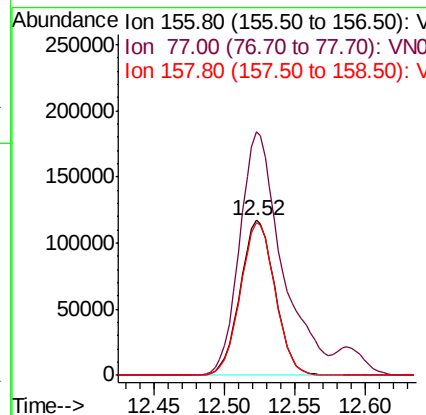
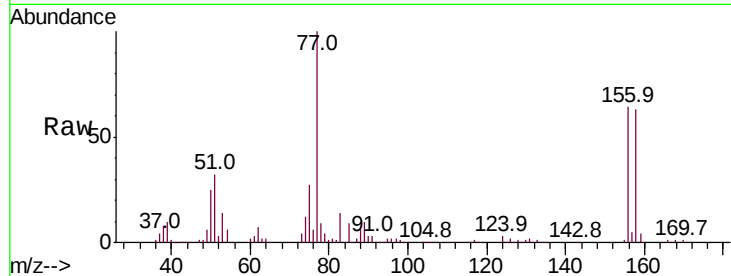
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 203262 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 190.2 | 97.2  | 291.6  |
| 158       | 97.9  | 48.9  | 146.8  |

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#78

n-propylbenzene

Concen: 49.166 ug/l

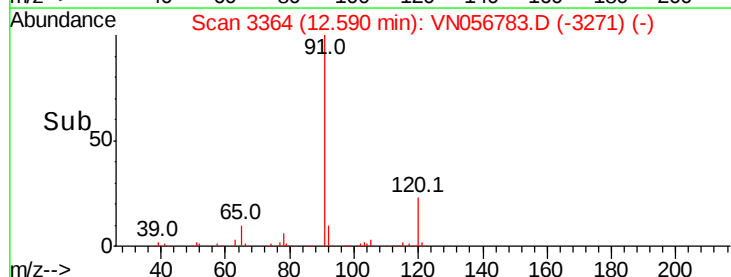
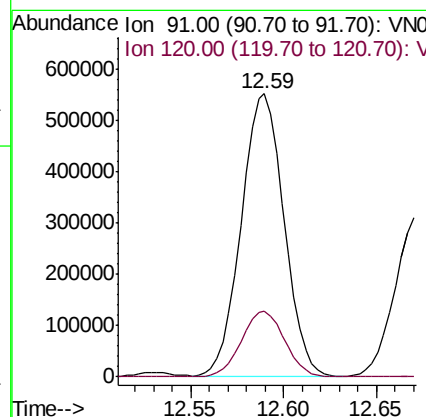
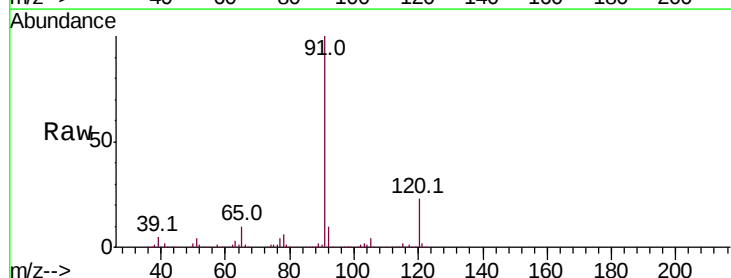
RT: 12.59 min Scan# 3364

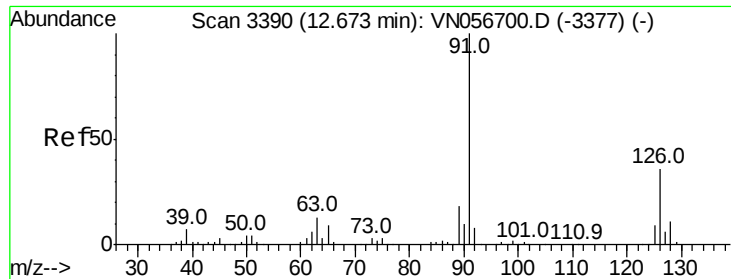
Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 880505 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.5  | 11.8  | 35.3   |





#79

2-Chlorotoluene

Concen: 53.129 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 524772

Ion Ratio Lower Upper

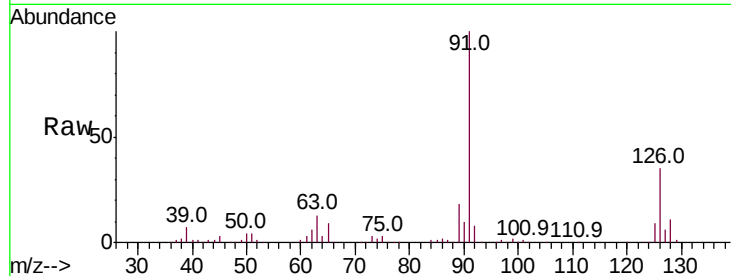
91 100

126 35.4 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VN056783.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN056783.D (-3297) (-)

600000

500000

400000

300000

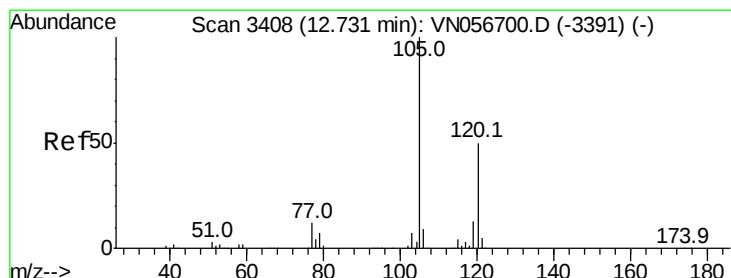
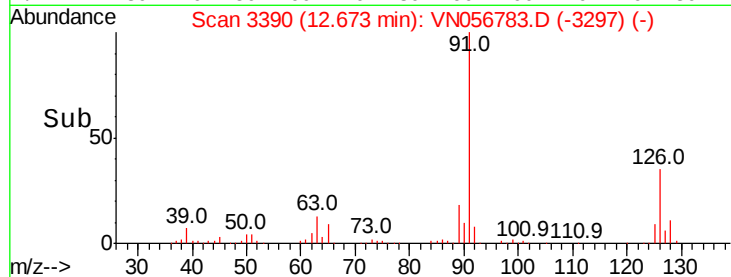
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.793 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056783.D

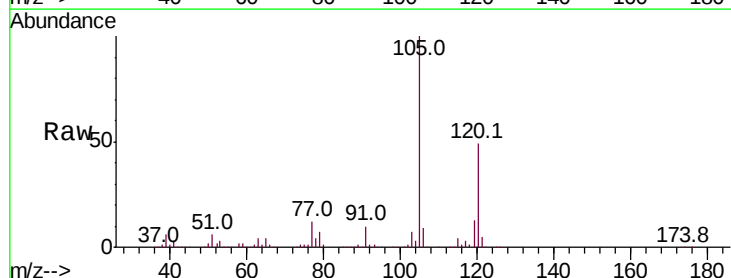
Acq: 17 Jul 2019 8:55

Tgt Ion: 105 Resp: 667100

Ion Ratio Lower Upper

105 100

120 48.9 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056783.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN056783.D (-3315) (-)

500000

400000

300000

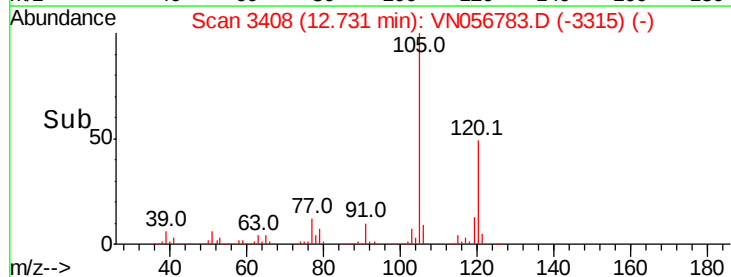
200000

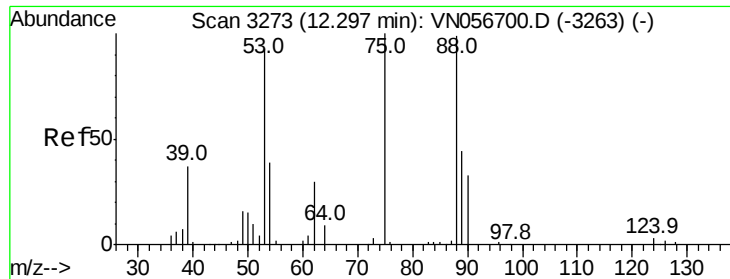
100000

0

12.70 12.80

Time-->





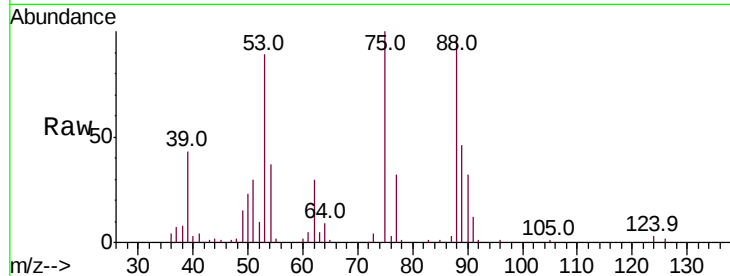
#81  
trans-1,4-Dichloro-2-butene  
Concen: 51.456 ug/l  
RT: 12.30 min Scan# 3273  
Delta R.T. 0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

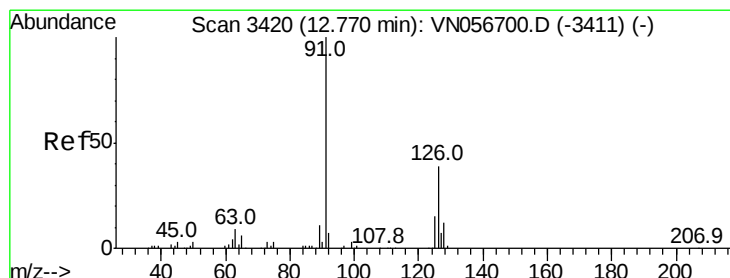
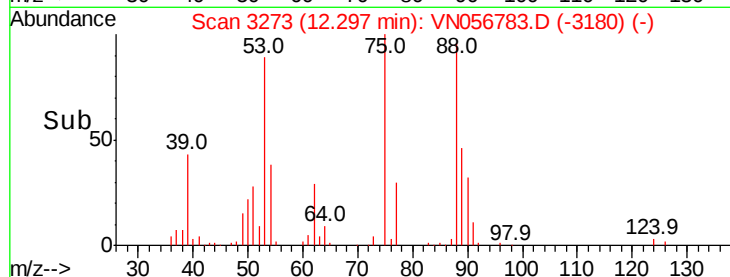
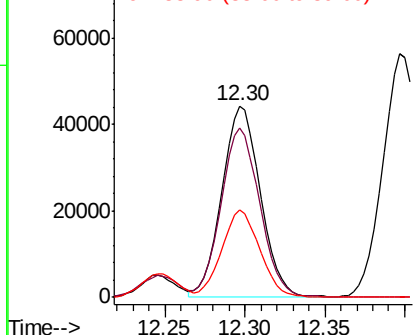
Tot Ion: 75 Resp: 72906  
Ion Ratio Lower Upper  
75 100  
53 89.6 73.7 110.5  
89 44.8 36.2 54.2

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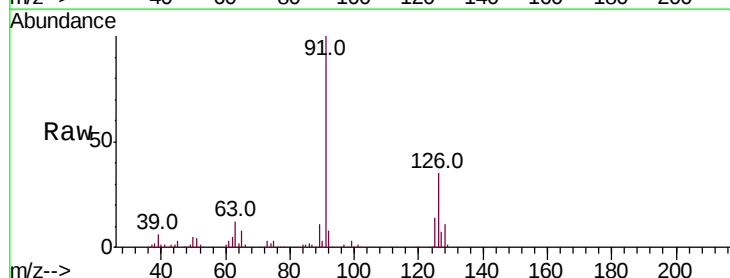


Abundance Ion 74.90 (74.60 to 75.60): VNO  
Ion 53.00 (52.70 to 53.70): VNO  
Ion 88.90 (88.60 to 89.60): VNO

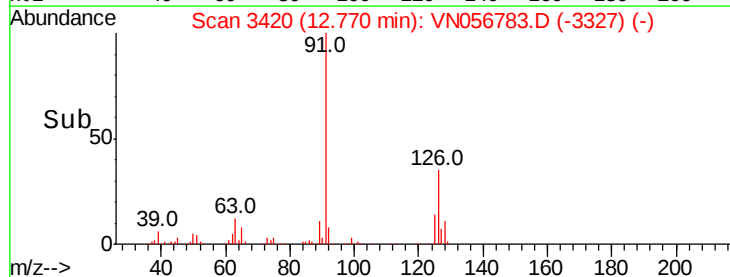
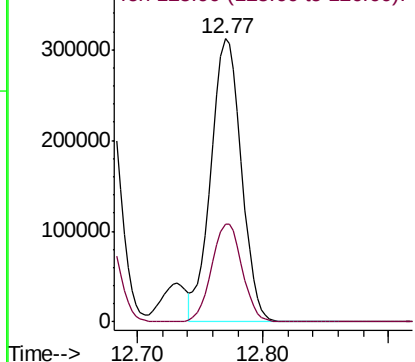


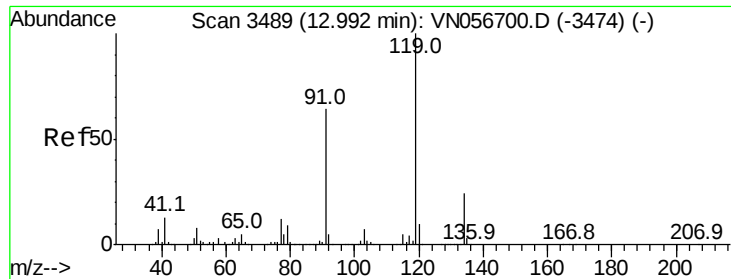
#82  
4-Chlorotoluene  
Concen: 49.928 ug/l  
RT: 12.77 min Scan# 3420  
Delta R.T. 0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Tgt Ion: 91 Resp: 524735  
Ion Ratio Lower Upper  
91 100  
126 34.6 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VNO  
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 53.622 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

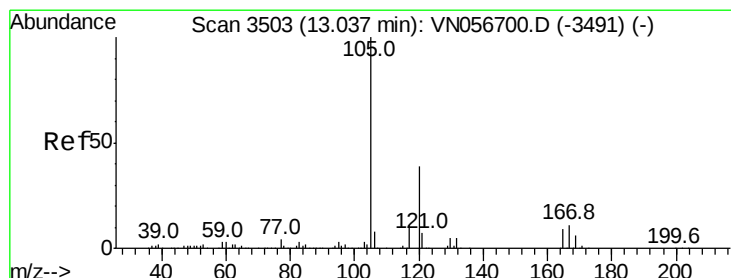
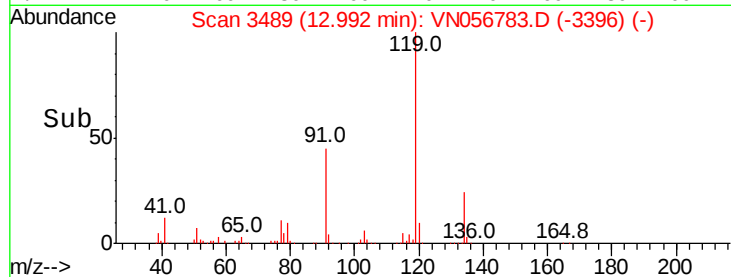
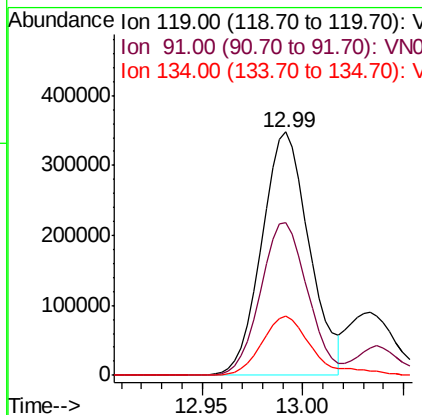
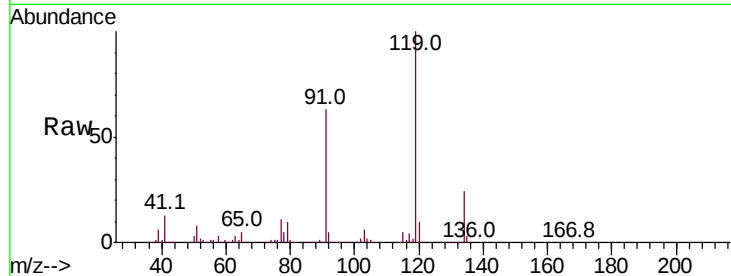
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 570383 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 62.5  | 31.8  | 95.4   |
| 134       | 25.8  | 13.0  | 38.9   |

Manual Integrations  
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#84

1,2,4-Trimethylbenzene

Concen: 50.122 ug/l

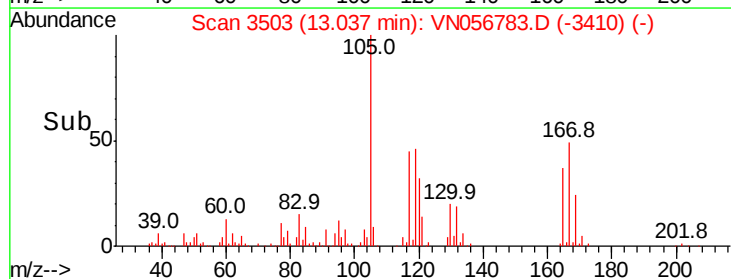
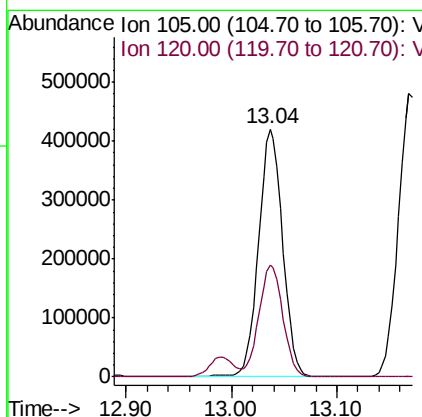
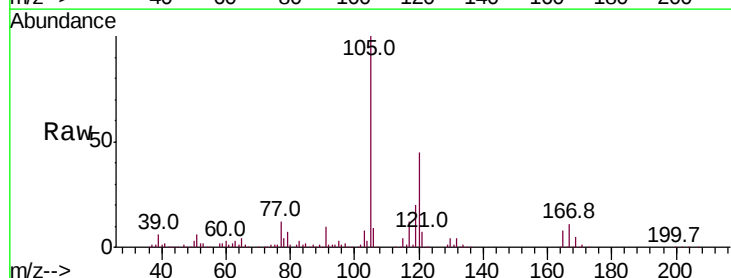
RT: 13.04 min Scan# 3503

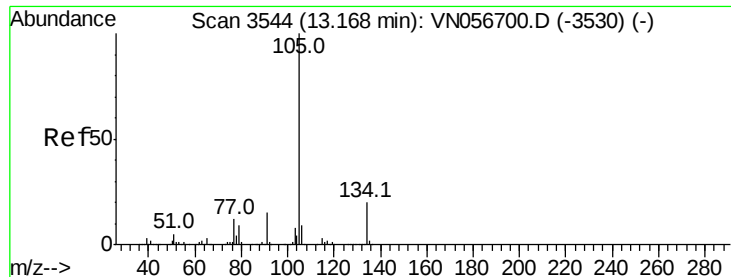
Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 669470 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 45.3  | 22.9  | 68.8   |





#85

sec-Butylbenzene

Concen: 49.873 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 757688

Ion Ratio Lower Upper

105 100

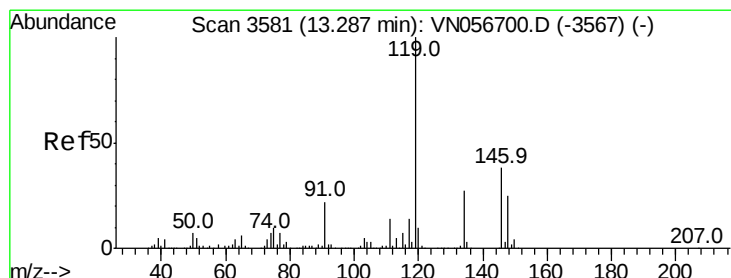
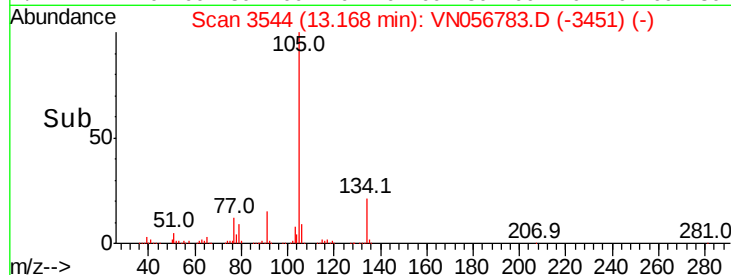
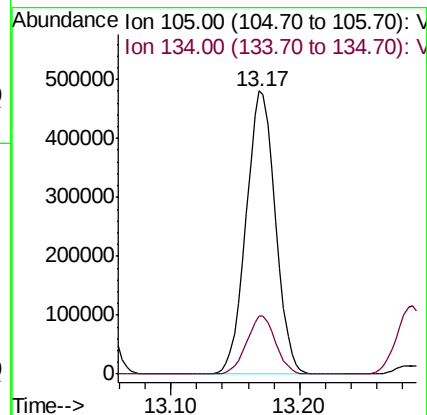
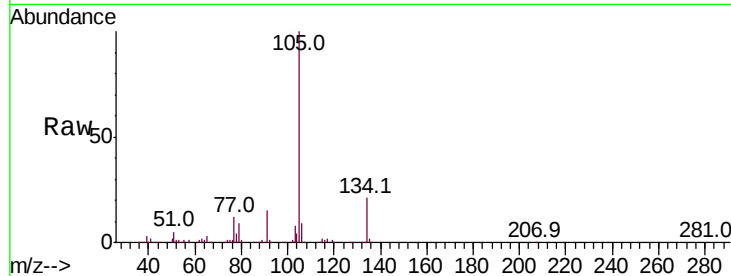
134 20.4 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 50.307 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

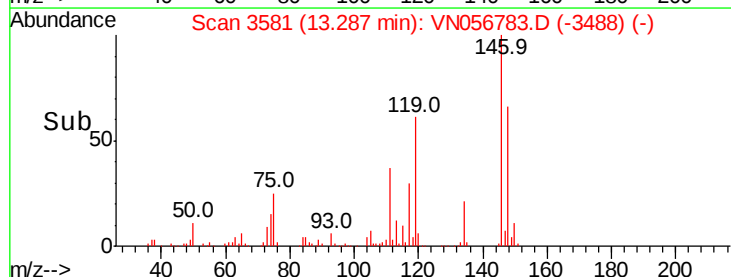
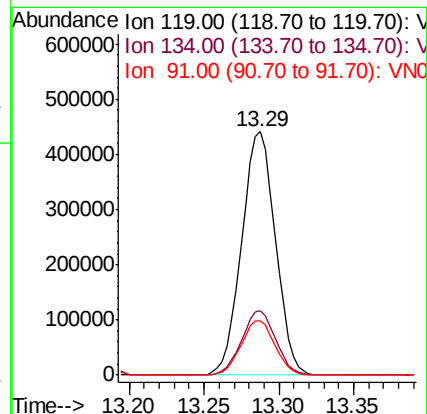
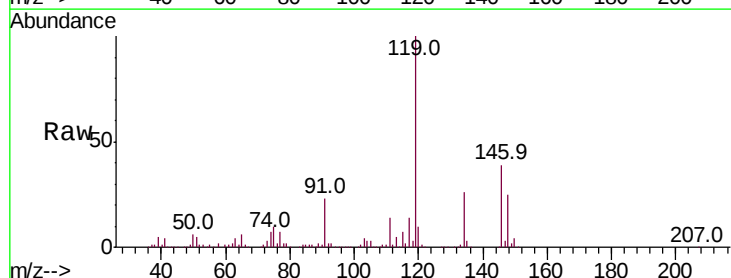
Tgt Ion:119 Resp: 692351

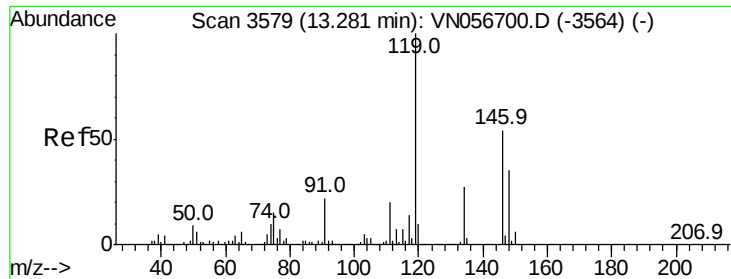
Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.7

91 22.5 11.2 33.5





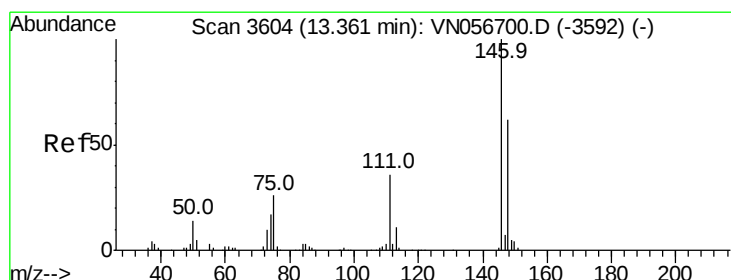
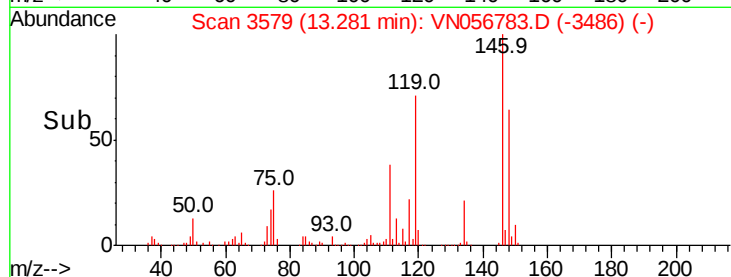
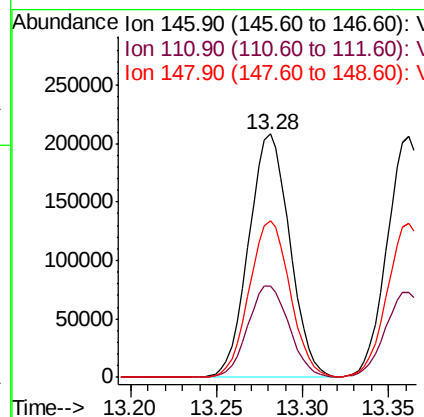
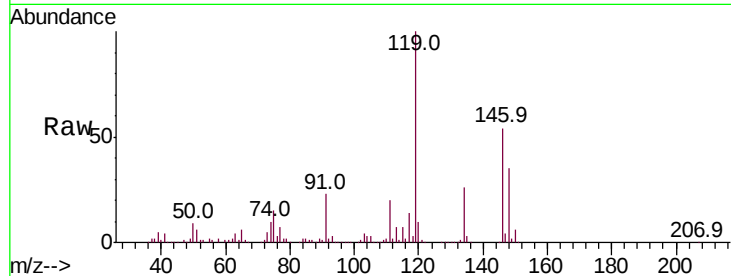
#87  
 1,3-Dichlorobenzene  
 Concen: 49.918 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN056783.D  
 Acq: 17 Jul 2019 8:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.8  | 18.8  | 56.3  |
| 148     | 64.2  | 32.3  | 96.8  |

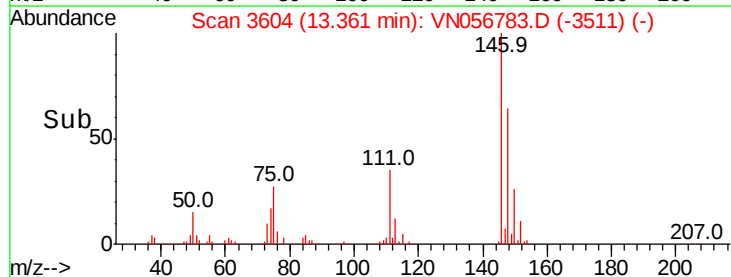
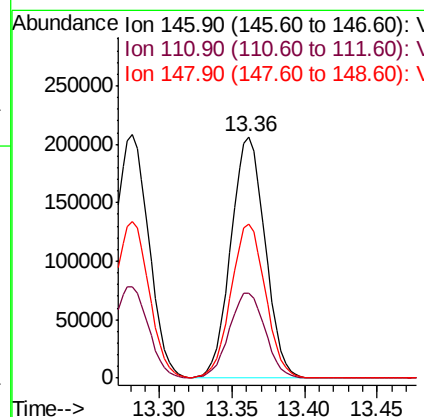
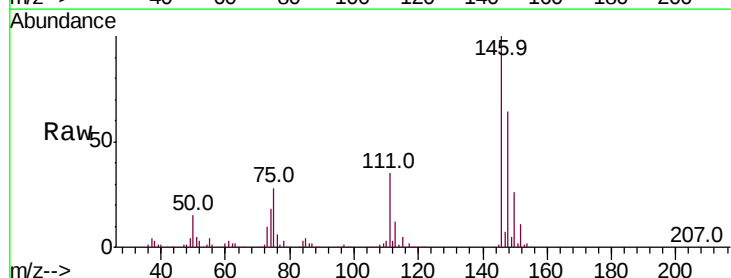
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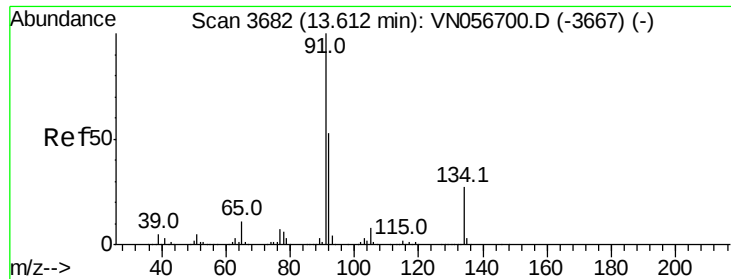
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#88  
 1,4-Dichlorobenzene  
 Concen: 50.273 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. 0.00 min  
 Lab File: VN056783.D  
 Acq: 17 Jul 2019 8:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.6  | 18.6  | 55.8  |
| 148     | 63.9  | 31.9  | 95.7  |





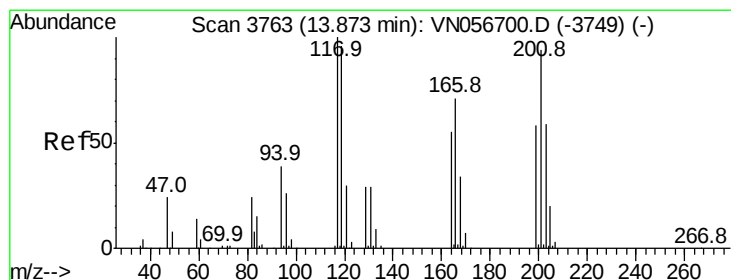
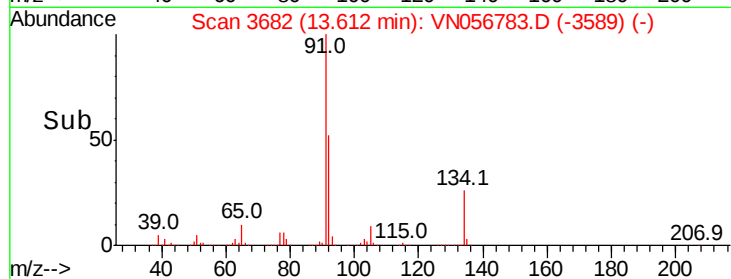
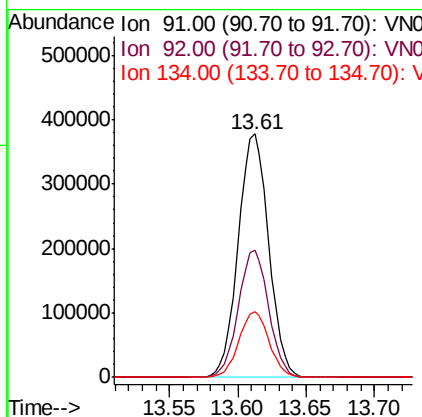
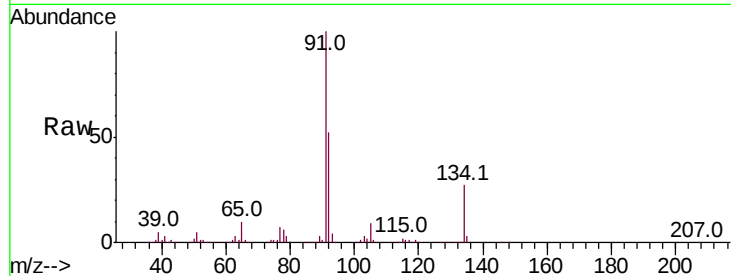
#89  
n-Butylbenzene  
Concen: 52.922 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 91      | 100   |      |       |       |
| 92      | 51.9  | 26.0 | 78.0  |       |
| 134     | 26.7  | 13.4 | 40.2  |       |

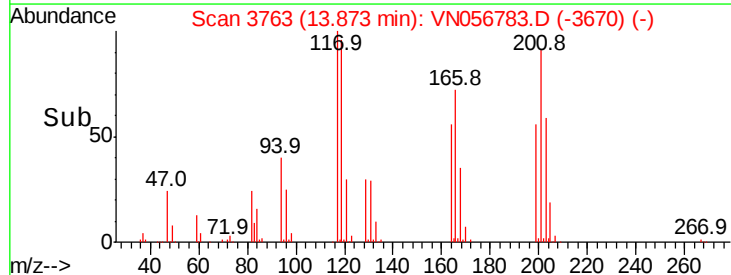
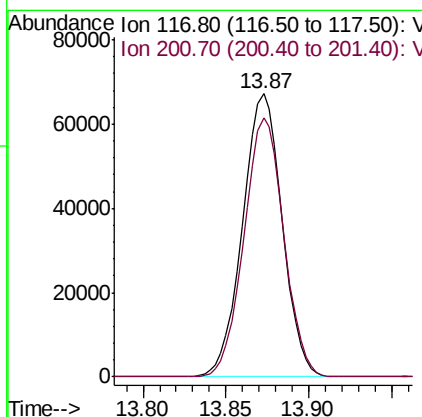
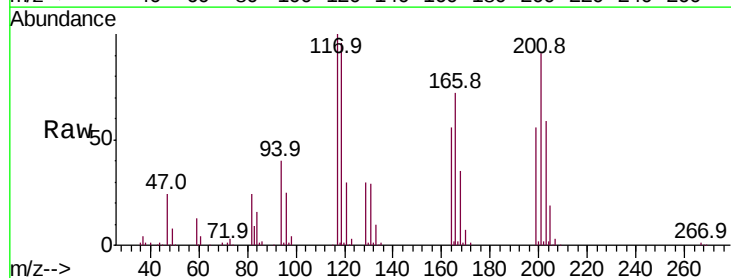
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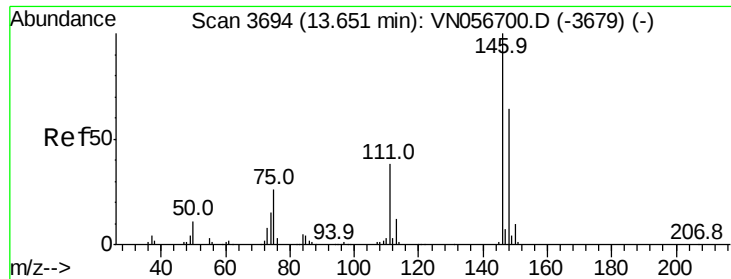
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#90  
Hexachloroethane  
Concen: 50.110 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN056783.D  
Acq: 17 Jul 2019 8:55

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 201     | 91.8  | 46.5 | 139.5 |       |





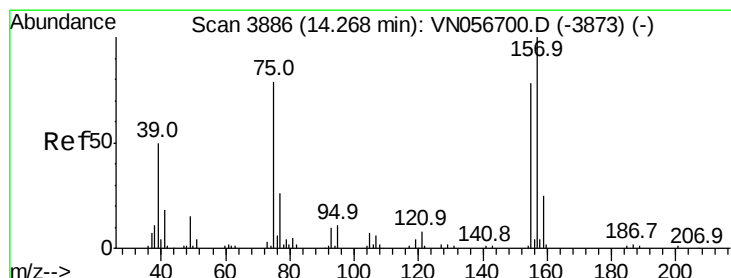
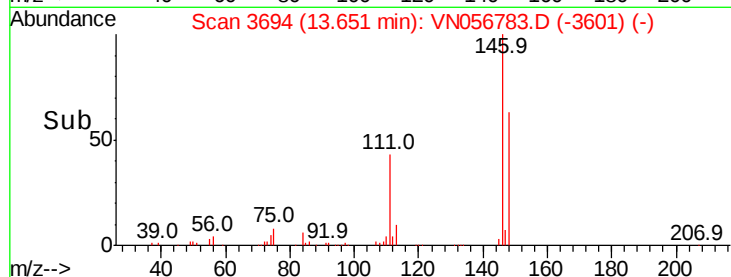
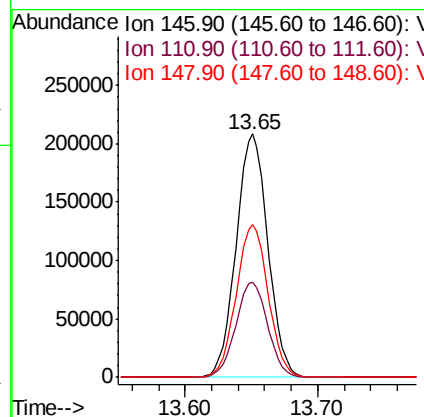
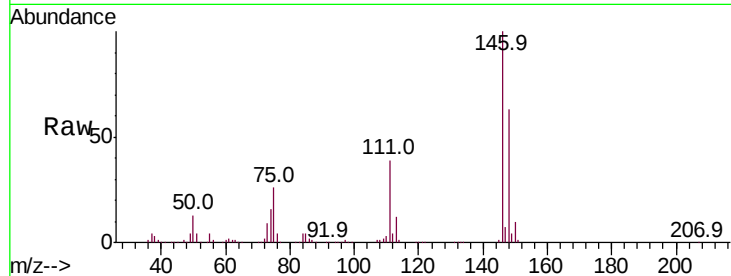
#91  
 1,2-Dichlorobenzene  
 Concen: 48.835 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN056783.D  
 Acq: 17 Jul 2019 8:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 19.1  | 57.1  |
| 148     | 63.0  | 31.7  | 95.1  |

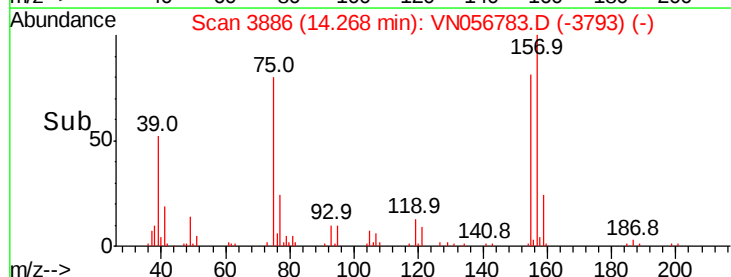
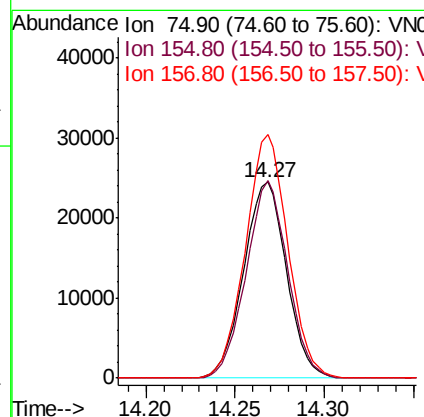
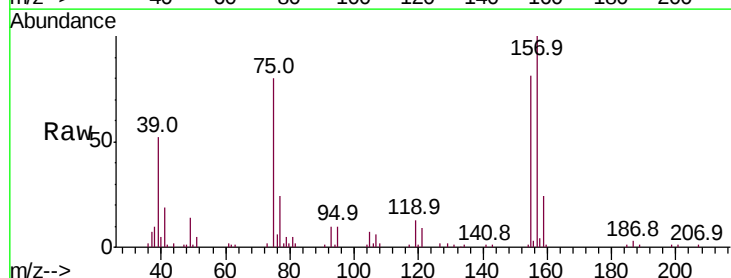
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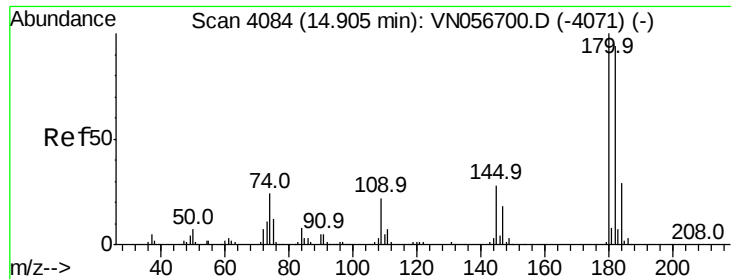
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 47.635 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. 0.00 min  
 Lab File: VN056783.D  
 Acq: 17 Jul 2019 8:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 97.7  | 49.3  | 147.9 |
| 157     | 123.1 | 62.4  | 187.1 |





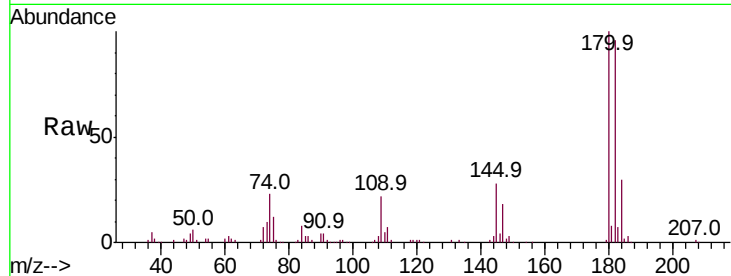
#93  
 1,2,4-Trichlorobenzene  
 Concen: 46.604 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN056783.D  
 Acq: 17 Jul 2019 8:55

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 95.0  | 47.2 | 141.6 |       |
| 145     | 27.7  | 14.2 | 42.8  |       |

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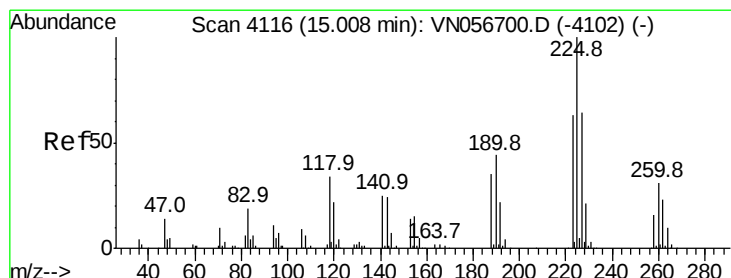
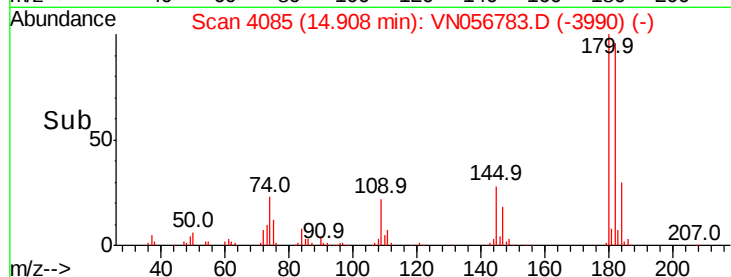
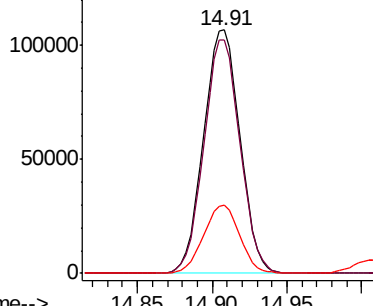


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
 Hexachlorobutadiene  
 Concen: 55.046 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN056783.D  
 Acq: 17 Jul 2019 8:55

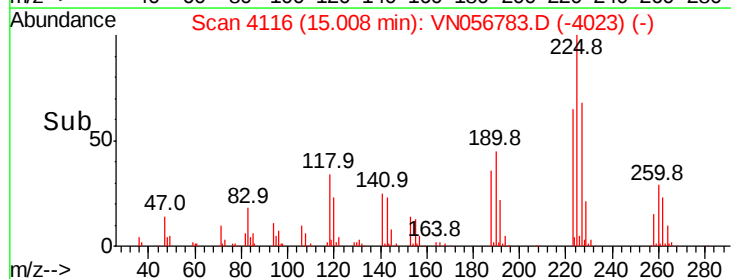
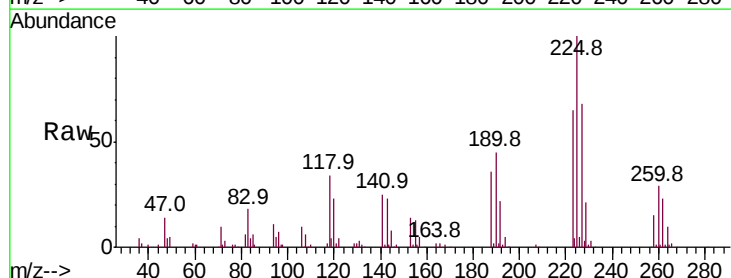
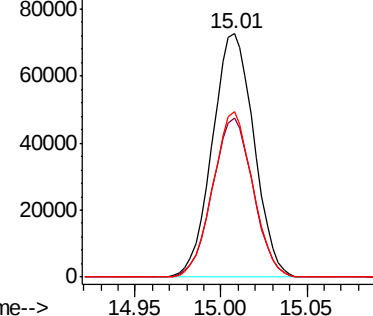
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 63.8  | 31.5 | 94.5  |       |
| 227     | 65.0  | 32.0 | 96.2  |       |

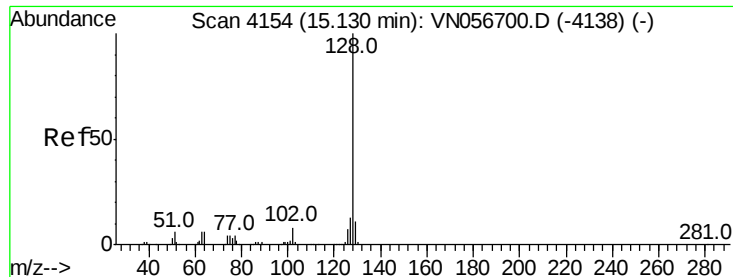
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 42.168 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA\_N

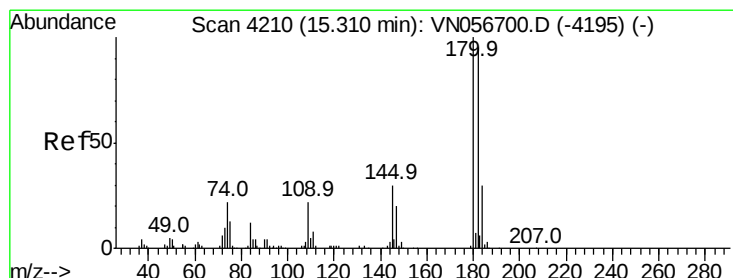
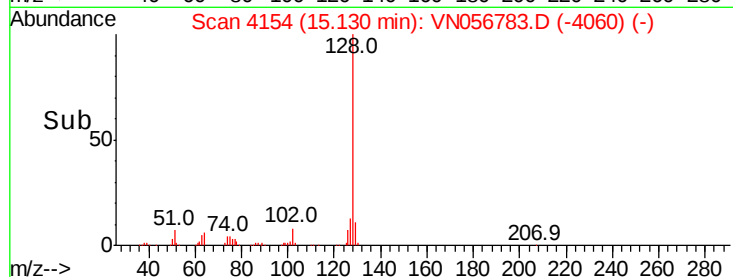
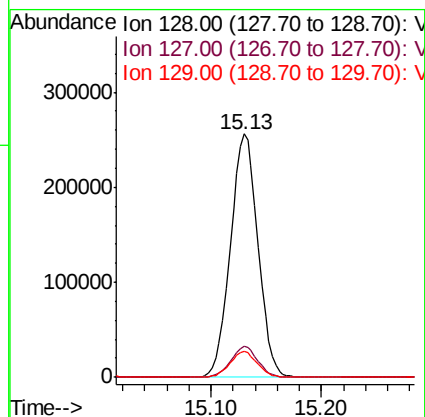
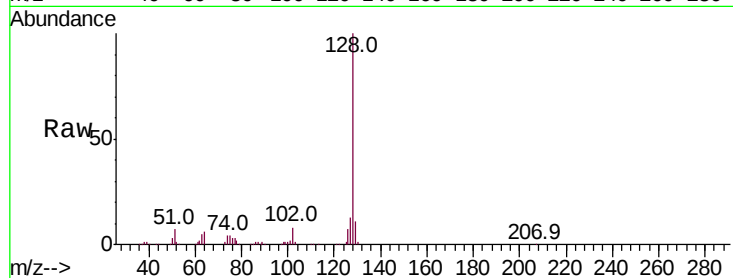
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 443647 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.4  | 10.3  | 15.5   |
| 129       | 10.6  | 8.7   | 13.1   |

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#96

1,2,3-Trichlorobenzene

Concen: 45.818 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 176578 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.9  | 47.1  | 141.3  |
| 145       | 29.7  | 15.0  | 45.1   |

