

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021519\  
 Data File : VN053790.D  
 Acq On : 15 Feb 2019 10:28  
 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  
 2/18/2019 9:48:00 AM

Quant Time: Feb 15 23:32:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 01 09:11:52 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 686823   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 988904   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 870738   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 432141   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.02   | 65  | 325199   | 47.20 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.40%  |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 320145   | 51.23 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.46% |      |
| 50) Toluene-d8            | 10.09  | 98  | 1269079  | 54.09 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.18% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 398142   | 50.88 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.76% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 332895  | 43.040  | ug/l | 99     |
| 3) Chloromethane              | 2.06 | 50  | 369193  | 45.278  | ug/l | 98     |
| 4) Vinyl Chloride             | 2.19 | 62  | 386523  | 48.832  | ug/l | 99     |
| 5) Bromomethane               | 2.57 | 94  | 259184  | 50.079  | ug/l | 96     |
| 6) Chloroethane               | 2.71 | 64  | 234311  | 51.801  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 537130  | 50.041  | ug/l | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 187832  | 47.916  | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 335882  | 50.597  | ug/l | 98     |
| 10) Methyl Iodide             | 3.96 | 142 | 439765  | 42.206  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.78 | 59  | 100768  | 247.116 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 298384  | 46.915  | ug/l | 97     |
| 13) Acrolein                  | 3.61 | 56  | 31864   | 143.521 | ug/l | 99     |
| 14) Allyl chloride            | 4.33 | 41  | 457946  | 45.222  | ug/l | 98     |
| 15) Acrylonitrile             | 4.99 | 53  | 529867  | 240.697 | ug/l | 100    |
| 16) Acetone                   | 3.82 | 43  | 504318  | 285.354 | ug/l | 98     |
| 17) Carbon Disulfide          | 4.06 | 76  | 783066  | 39.541  | ug/l | 100    |
| 18) Methyl Acetate            | 4.32 | 43  | 272898  | 52.139  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.04 | 73  | 784612  | 48.663  | ug/l | 99     |
| 20) Methylene Chloride        | 4.55 | 84  | 330367  | 44.556  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 306038  | 44.601  | ug/l | 97     |
| 22) Diisopropyl ether         | 5.95 | 45  | 907363  | 48.357  | ug/l | 99     |
| 23) Vinyl Acetate             | 5.89 | 43  | 3044160 | 234.515 | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 579279  | 46.285  | ug/l | 100    |
| 25) 2-Butanone                | 6.83 | 43  | 624004  | 247.560 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 456129  | 47.743  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 356968  | 46.785  | ug/l | 98     |
| 28) Bromochloromethane        | 7.19 | 49  | 227809  | 41.945  | ug/l | 95     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 384762  | 237.718 | ug/l | 98     |
| 30) Chloroform                | 7.37 | 83  | 590926  | 47.631  | ug/l | 99     |
| 31) Cyclohexane               | 7.65 | 56  | 507110  | 43.498  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 486779  | 47.147  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 430155  | 48.254  | ug/l | 98     |
| 37) Ethyl Acetate             | 6.93 | 43  | 250418  | 50.298  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 443417  | 49.377  | ug/l | 97     |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 2/18/2019 9:48:00 AM

Quant Time: Feb 15 23:32:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 01 09:11:52 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 549647   | 51.971   | ug/l   | 99       |
| 40) Benzene                    | 8.04  | 78   | 1321971  | 48.090   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.17  | 41   | 119260   | 42.859   | ug/l # | 77       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 393320   | 48.188   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.16  | 43   | 434128   | 45.151   | ug/l   | 97       |
| 44) Trichloroethene            | 8.83  | 130  | 388056   | 49.585   | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 361343   | 51.392   | ug/l   | 100      |
| 46) Dibromomethane             | 9.21  | 93   | 218906   | 51.647   | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.40  | 83   | 468852   | 53.203   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 229494   | 50.003   | ug/l   | 93       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 68829    | 1033.600 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 1324153  | 280.256  | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 866183   | 53.091   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 478425   | 54.216   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 540473   | 51.686   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 323021   | 54.945   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 382612   | 55.014   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 529455   | 52.695   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 1072759  | 248.757  | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.75 | 43   | 864382   | 269.485  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 366555   | 55.291   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 297544   | 51.135   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 388842   | 52.095   | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 898297   | 48.569   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 335960   | 52.012   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1506240  | 49.576   | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 1176948  | 101.498  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 569648   | 50.850   | ug/l   | 98       |
| 70) Styrene                    | 11.96 | 104  | 922960   | 50.831   | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 237219   | 53.568   | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 1506185  | 49.580   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 351753   | 48.152   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 343171   | 47.201   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 277343m  | 49.966   | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 397284   | 48.524   | ug/l   | 97       |
| 78) n-propylbenzene            | 12.59 | 91   | 1765793  | 50.281   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 1026146  | 49.251   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1295486  | 51.425   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 93362    | 47.297   | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 1049299  | 49.079   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 1122918  | 50.435   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 1310707  | 51.069   | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1574070  | 51.953   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 1386260  | 52.315   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 716089   | 48.654   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 706360   | 48.517   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 1193215  | 52.024   | ug/l   | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 236825   | 54.183   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 689994   | 48.970   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 50460    | 48.699   | ug/l   | 99       |

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

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

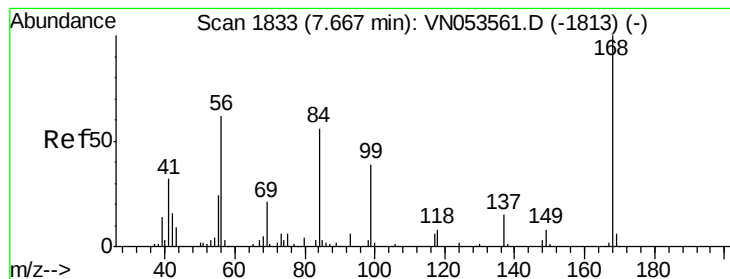
MMDadoda  
2/18/2019 9:48:00 AM

Quant Time: Feb 15 23:32:49 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 01 09:11:52 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 411841   | 50.963 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 266130   | 52.881 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 789023   | 41.857 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 379432   | 50.602 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 686823

Ion Ratio Lower Upper

168 100

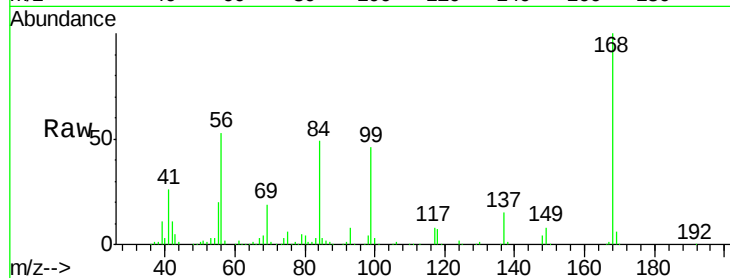
99 45.9 39.1 58.7

Manual Integrations

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2/18/2019 9:48:00 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

100000

50000

0

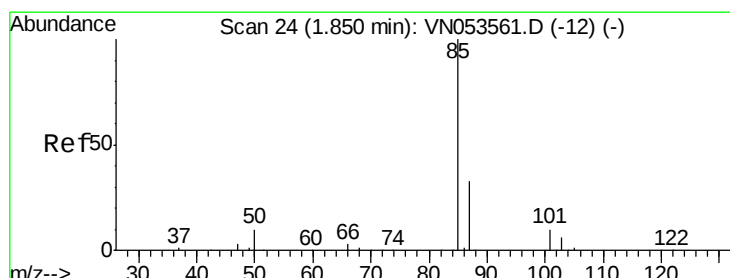
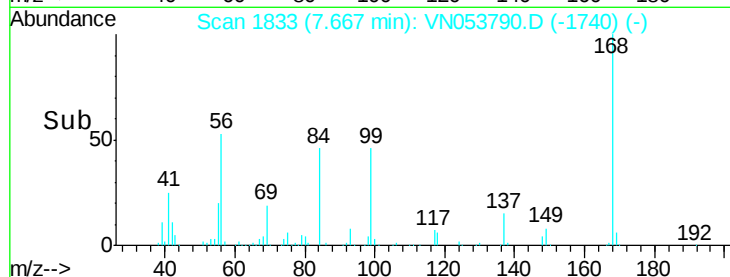
Time-->

7.50

7.60

7.70

7.80



#2

Dichlorodifluoromethane

Concen: 43.040 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053790.D

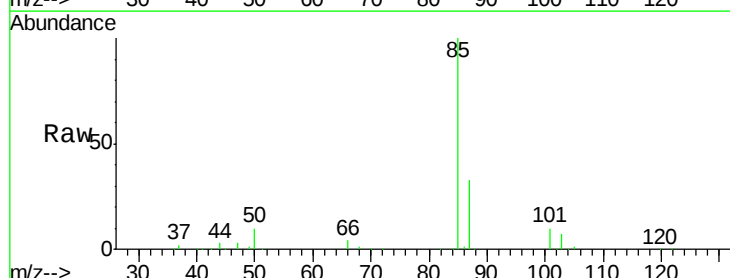
Acq: 15 Feb 2019 10:28

Tgt Ion: 85 Resp: 332895

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

150000

100000

50000

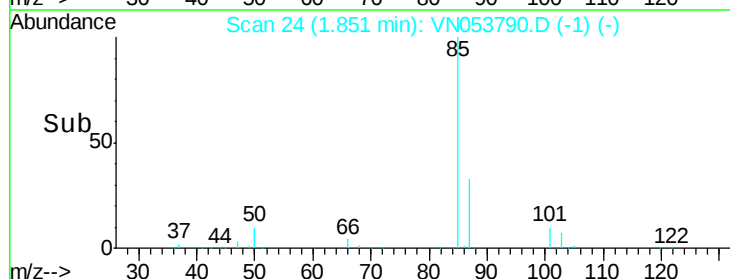
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Time-->

1.80

1.90

2.00





#3

Chloromethane

Concen: 45.278 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 369193

Ion Ratio Lower Upper

50 100

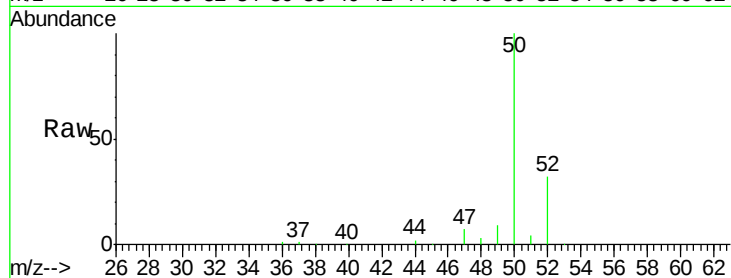
52 32.2 26.6 40.0

Manual Integrations

APPROVED

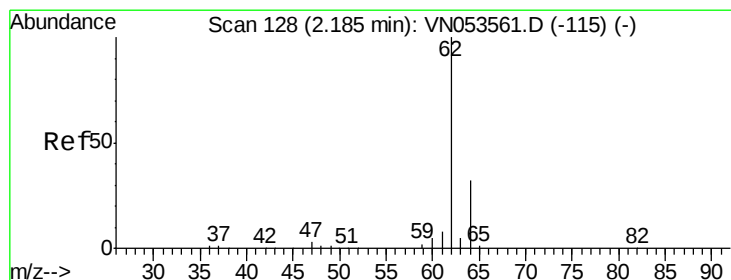
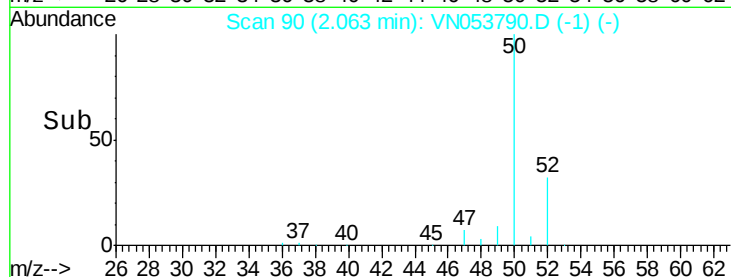
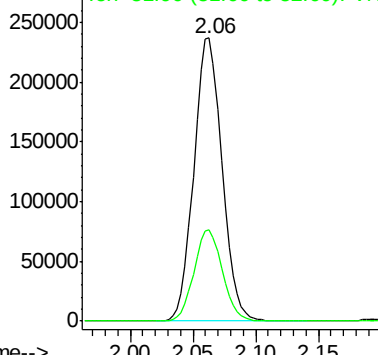
MMDadoda

2/18/2019 9:48:00 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 48.832 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053790.D

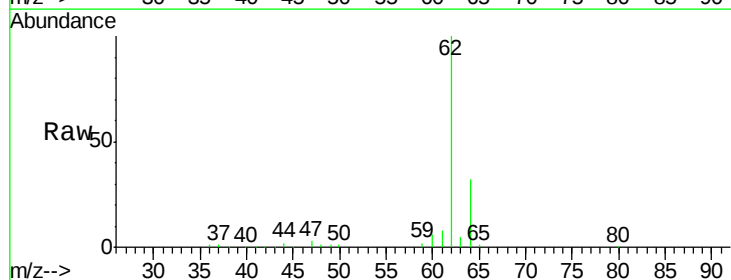
Acq: 15 Feb 2019 10:28

Tgt Ion: 62 Resp: 386523

Ion Ratio Lower Upper

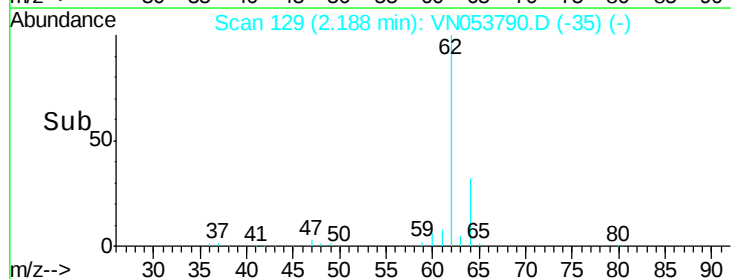
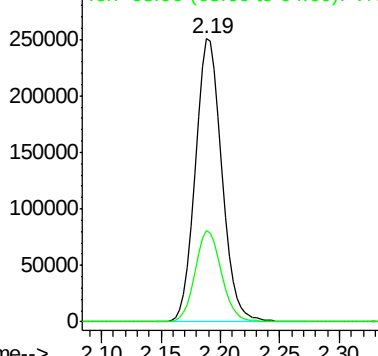
62 100

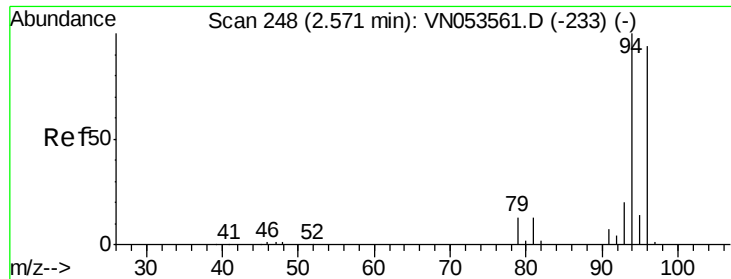
64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 50.079 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 259184

Ion Ratio Lower Upper

94 100

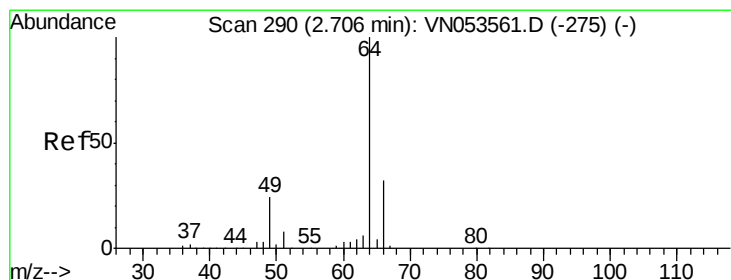
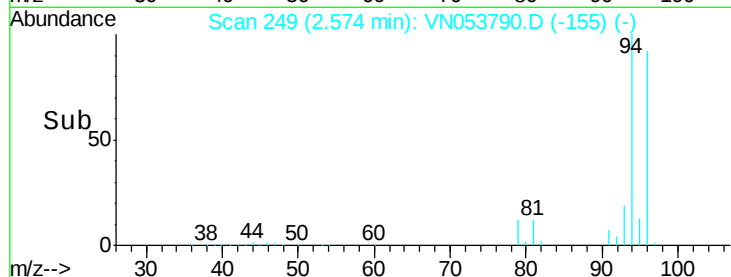
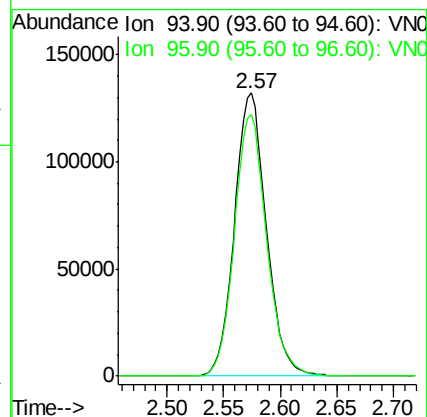
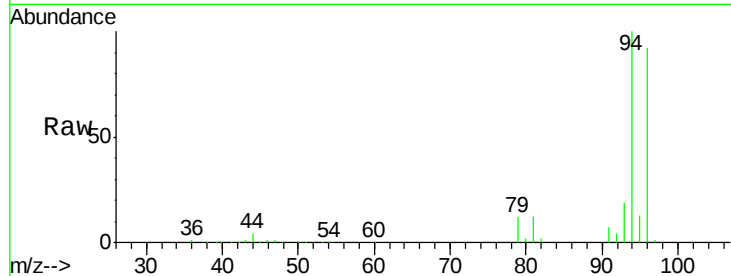
96 92.3 76.8 115.2

Manual Integrations

APPROVED

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2/18/2019 9:48:00 AM



#6

Chloroethane

Concen: 51.801 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053790.D

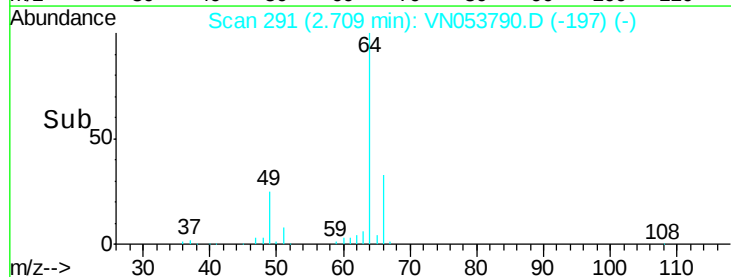
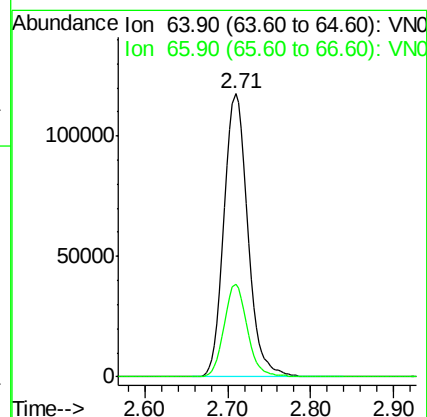
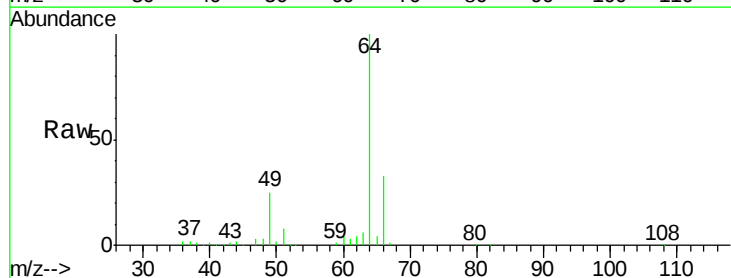
Acq: 15 Feb 2019 10:28

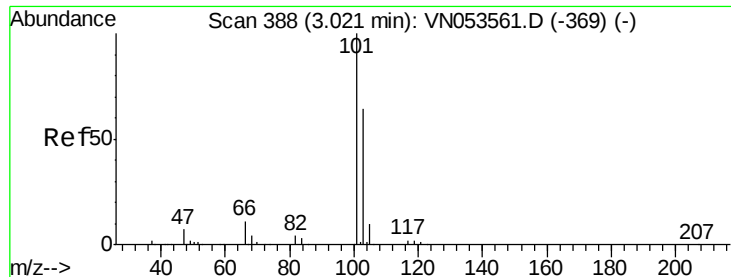
Tgt Ion: 64 Resp: 234311

Ion Ratio Lower Upper

64 100

66 32.8 25.1 37.7





#7

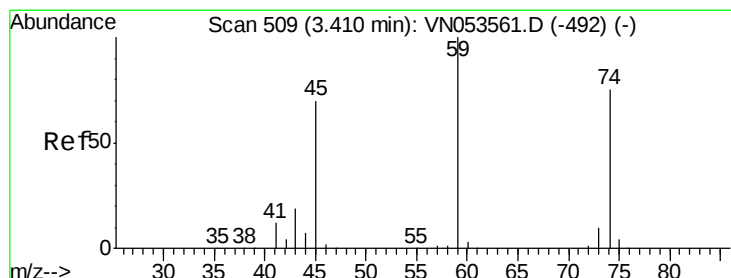
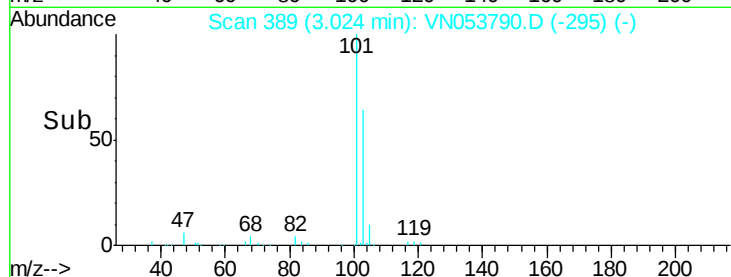
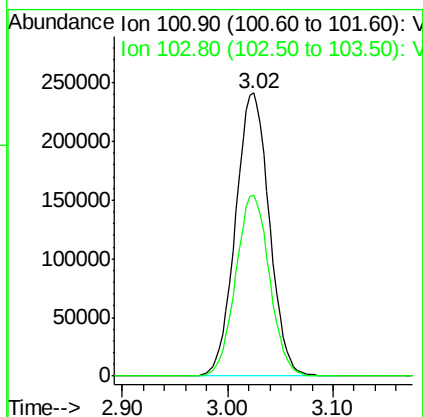
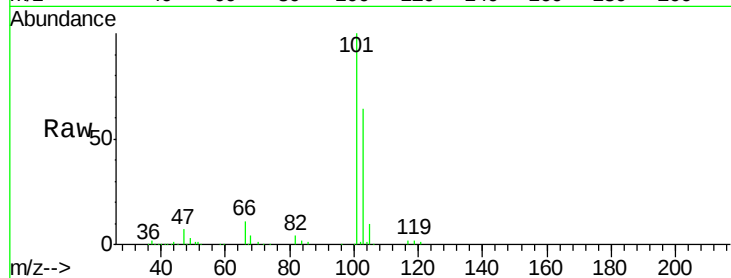
Trichlorofluoromethane  
Concen: 50.041 ug/l  
RT: 3.02 min Scan# 389  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.1  | 51.6  | 77.4  |

Manual Integrations  
APPROVED

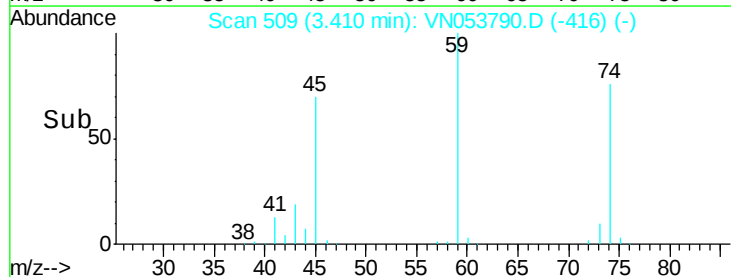
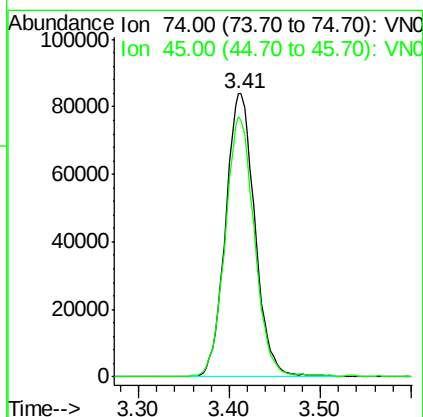
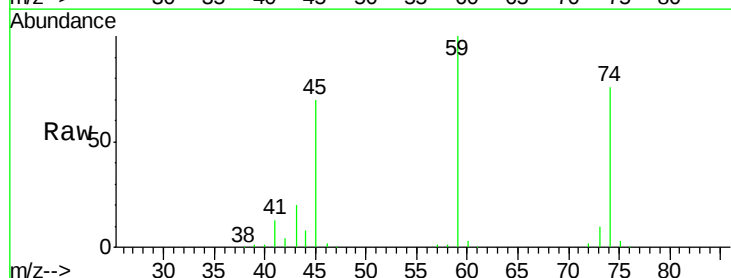
MMDadoda  
2/18/2019 9:48:00 AM

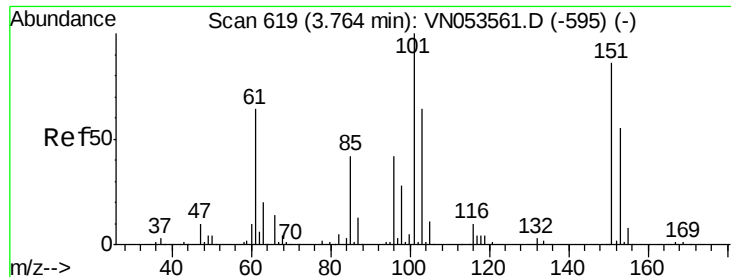


#8

Diethyl Ether  
Concen: 47.916 ug/l  
RT: 3.41 min Scan# 509  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 91.4  | 47.9  | 143.7 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.597 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

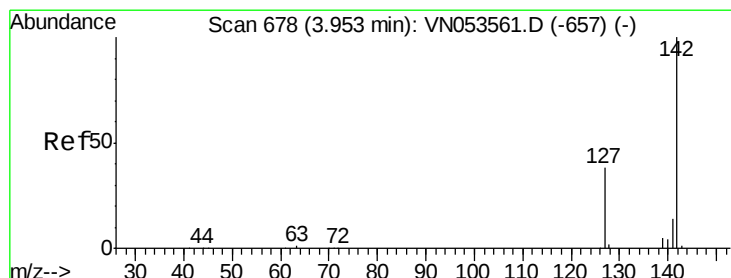
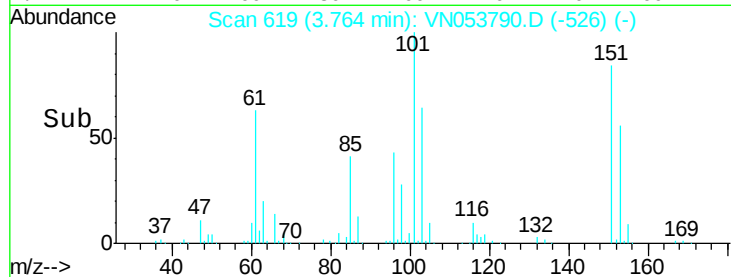
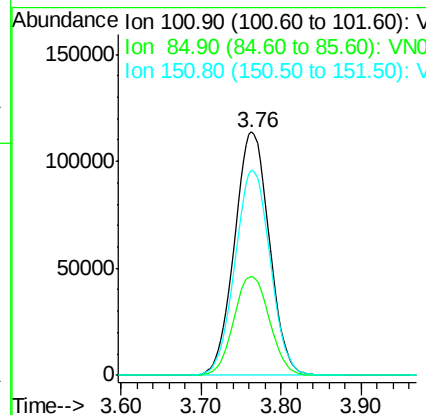
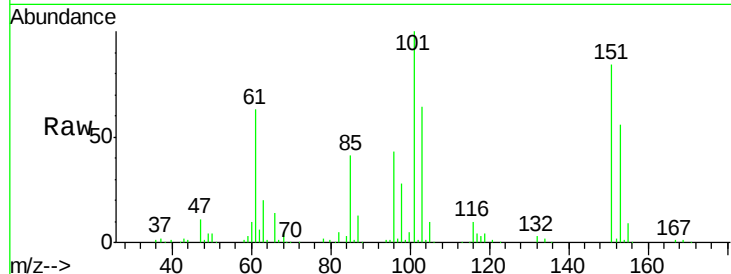
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 335882 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.6  | 32.8  | 49.2   |
| 151       | 85.3  | 66.9  | 100.3  |

Manual Integrations  
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MMDadoda  
2/18/2019 9:48:00 AM



#10

Methyl Iodide

Concen: 42.206 ug/l

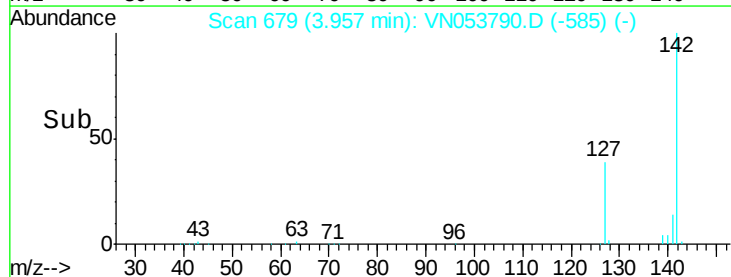
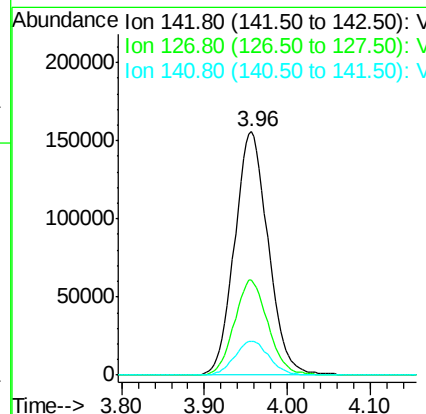
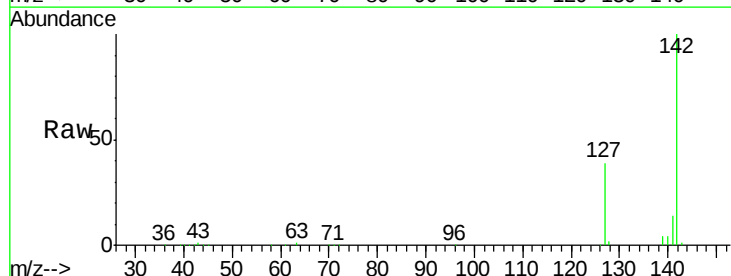
RT: 3.96 min Scan# 679

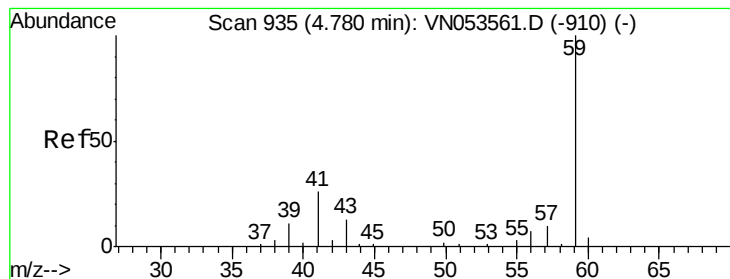
Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 439765 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 39.1  | 31.0  | 46.4   |
| 141       | 14.3  | 11.1  | 16.7   |





#11

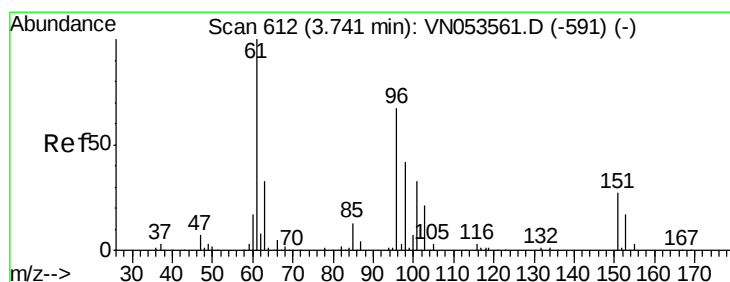
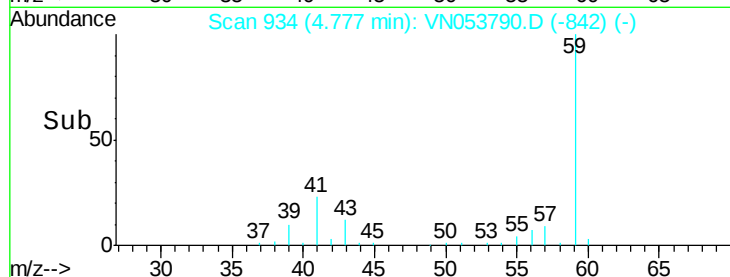
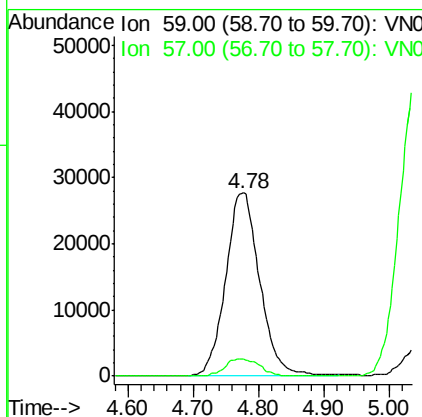
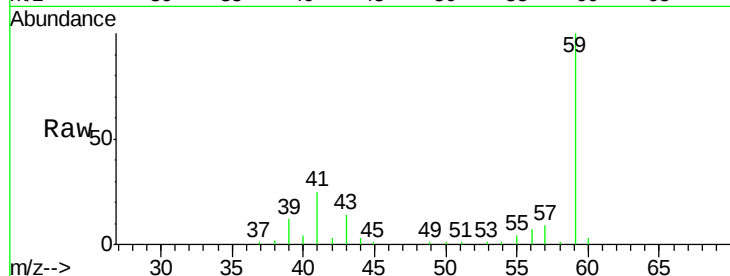
Tert butyl alcohol  
Concen: 247.116 ug/l  
RT: 4.78 min Scan# 934  
Delta R.T. -0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 59      | 100   |      |       |       |
| 57      | 9.4   |      | 8.2   | 12.4  |

Manual Integrations  
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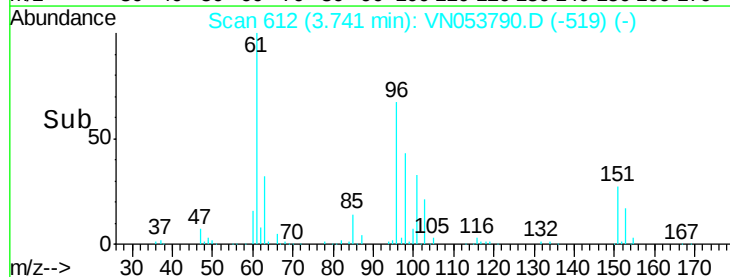
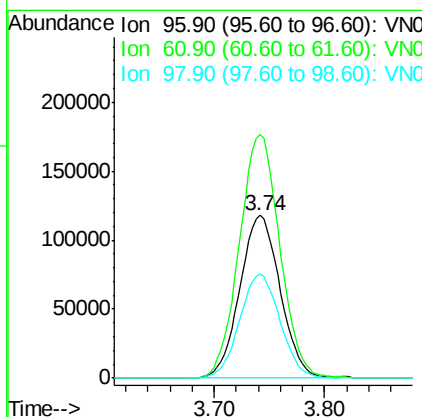
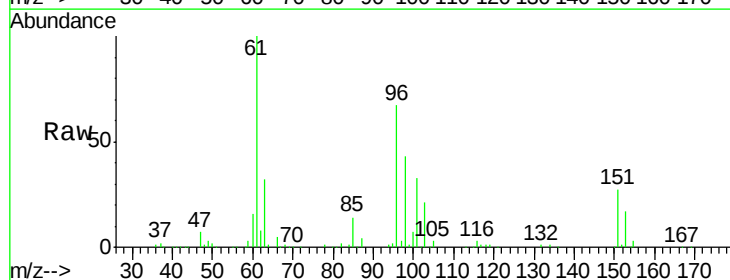
MMDadoda  
2/18/2019 9:48:00 AM

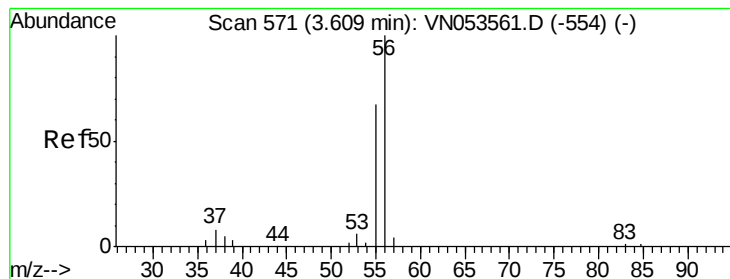


#12

1,1-Dichloroethene  
Concen: 46.915 ug/l  
RT: 3.74 min Scan# 612  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 149.8 |      | 122.9 | 184.3 |
| 98      | 63.9  |      | 49.4  | 74.0  |





#13

Acrolein

Concen: 143.521 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 31864

Ion Ratio Lower Upper

56 100

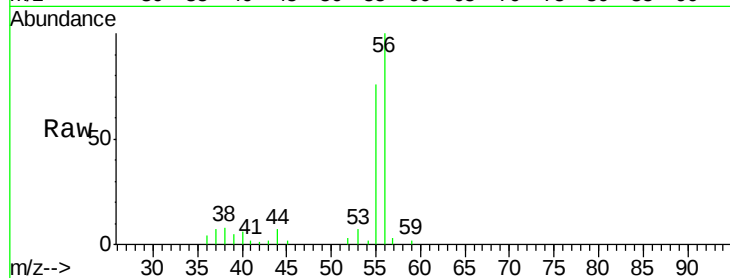
55 72.2 57.4 86.0

Manual Integrations

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2/18/2019 9:48:00 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

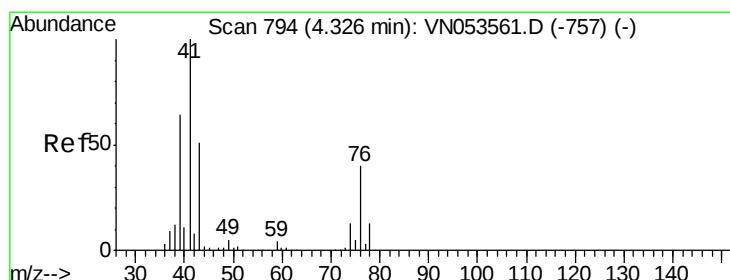
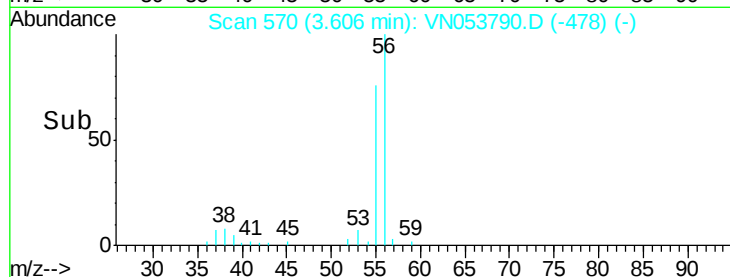
3.61

10000

5000

0

Time--> 3.50 3.60 3.70



#14

Allyl chloride

Concen: 45.222 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

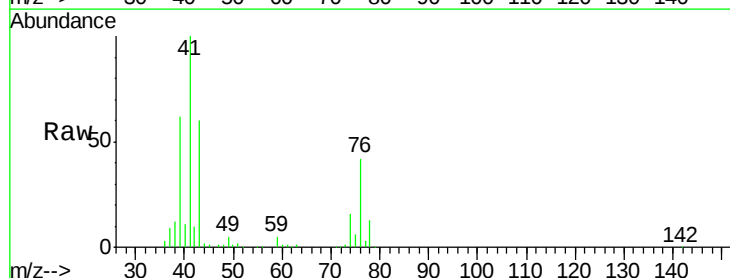
Tgt Ion: 41 Resp: 457946

Ion Ratio Lower Upper

41 100

39 60.2 48.9 73.3

76 38.6 29.4 44.2



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

200000

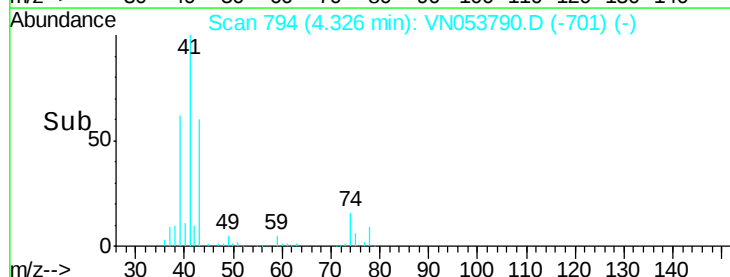
150000

100000

50000

0

Time--> 4.10 4.20 4.30 4.40 4.50





#15

Acrylonitrile

Concen: 240.697 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

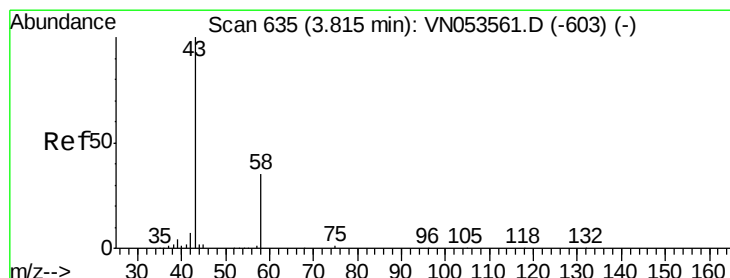
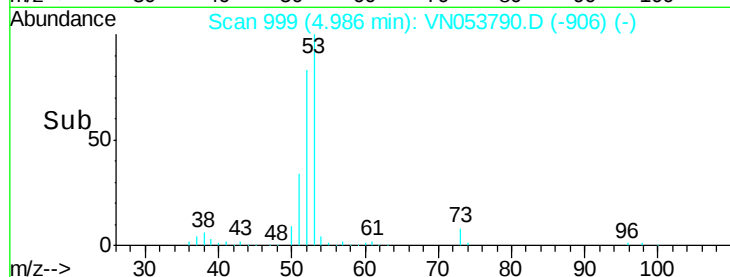
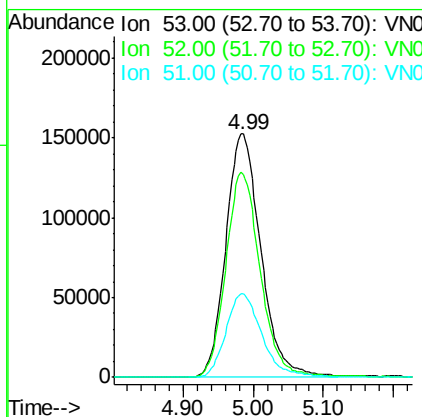
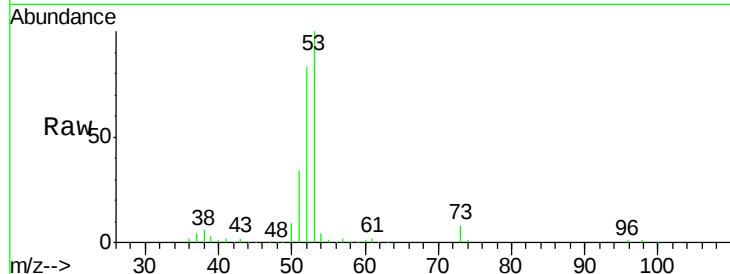
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 529867 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.1  | 66.0  | 99.0   |
| 51        | 35.3  | 28.3  | 42.5   |

Manual Integrations  
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MMDadoda  
2/18/2019 9:48:00 AM



#16

Acetone

Concen: 285.354 ug/l

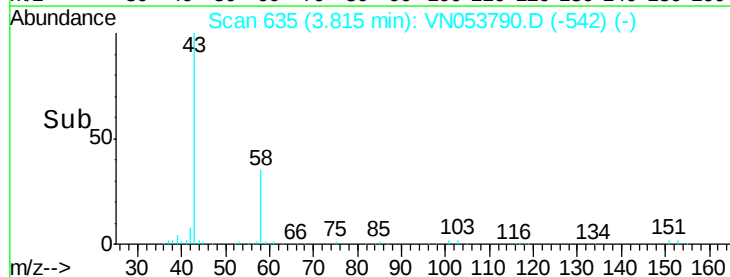
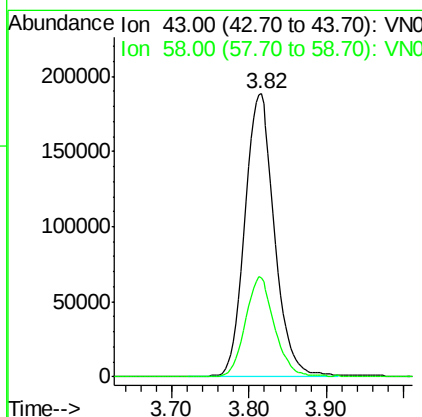
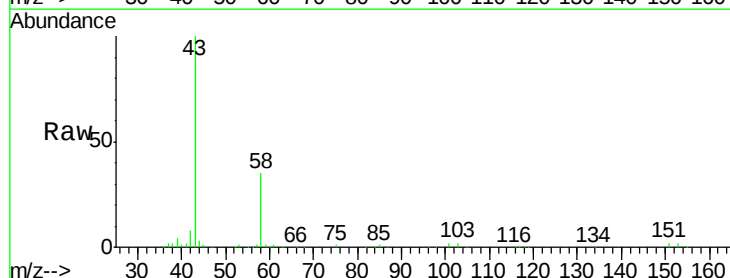
RT: 3.82 min Scan# 635

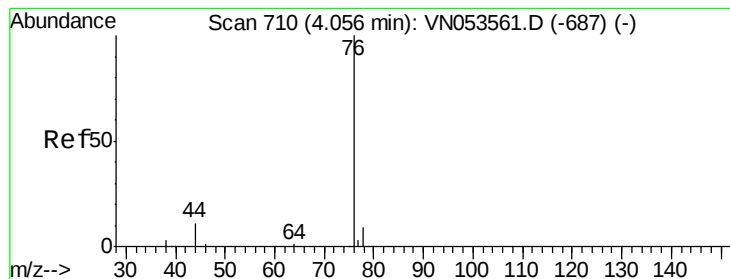
Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 504318 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 35.2  | 27.1  | 40.7   |





#17

Carbon Disulfide

Concen: 39.541 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 783066

Ion Ratio Lower Upper

76 100

78 9.2

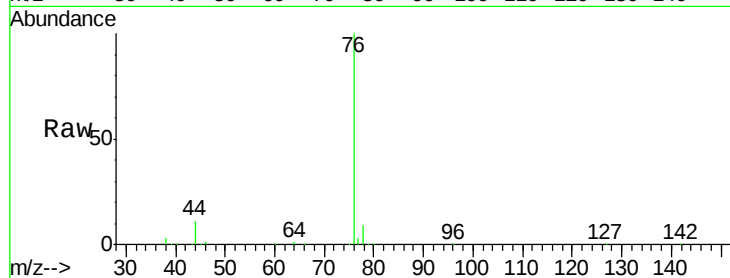
7.3 10.9

Manual Integrations

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2/18/2019 9:48:00 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

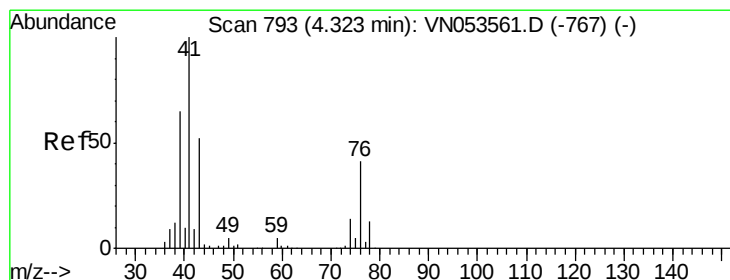
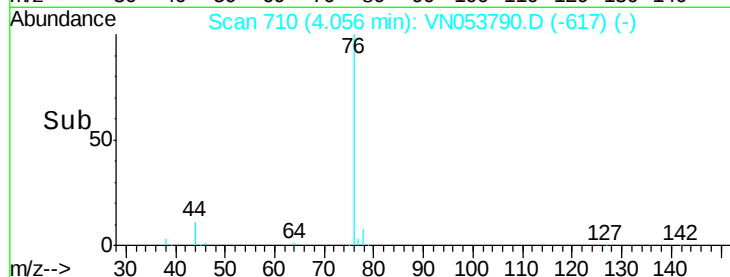
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 52.139 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

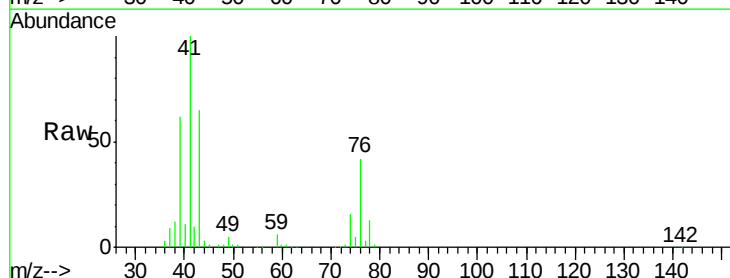
Tgt Ion: 43 Resp: 272898

Ion Ratio Lower Upper

43 100

74 24.7

19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

100000

80000

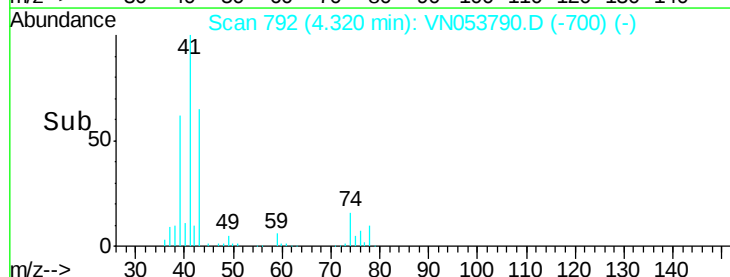
60000

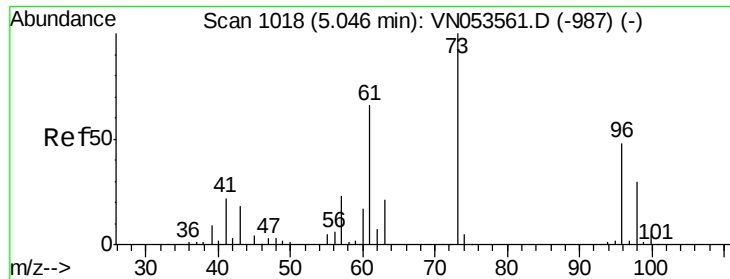
40000

20000

0

Time-->





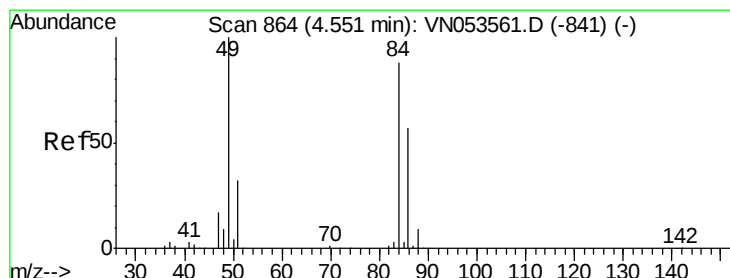
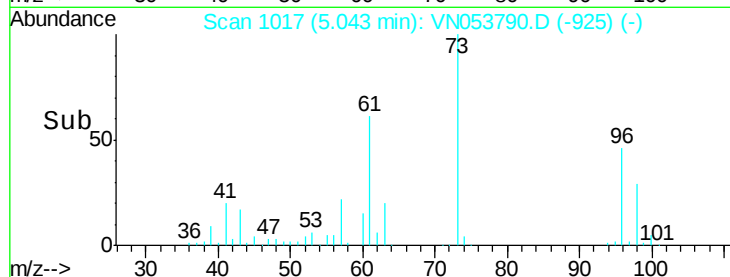
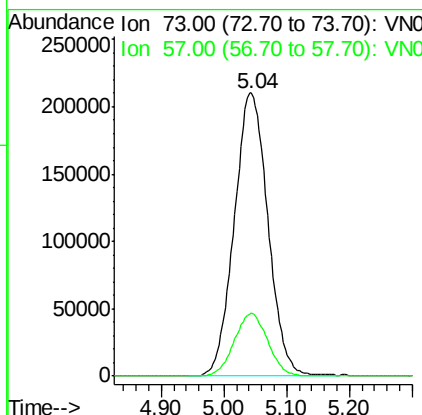
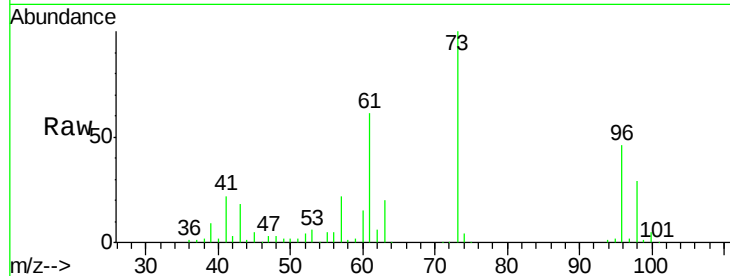
#19  
Methvl tert-butvl Ether  
Concen: 48.663 ug/l  
RT: 5.04 min Scan# 1017  
Delta R.T. -0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 784612  
Ion Ratio Lower Upper  
73 100  
57 22.3 18.3 27.5

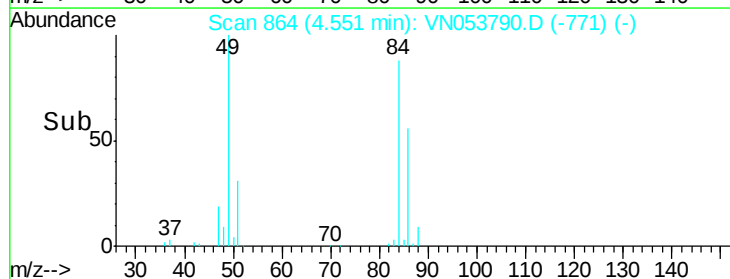
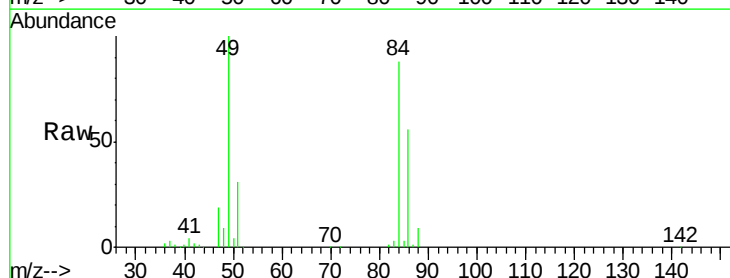
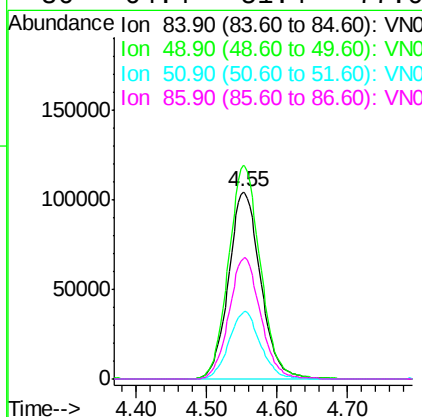
Manual Integrations  
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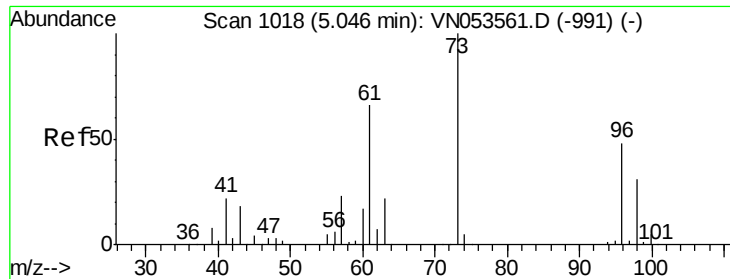
MMDadoda  
2/18/2019 9:48:00 AM



#20  
Methylene Chloride  
Concen: 44.556 ug/l  
RT: 4.55 min Scan# 864  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Tgt Ion: 84 Resp: 330367  
Ion Ratio Lower Upper  
84 100  
49 114.2 94.3 141.5  
51 35.6 29.4 44.2  
86 64.4 51.4 77.0





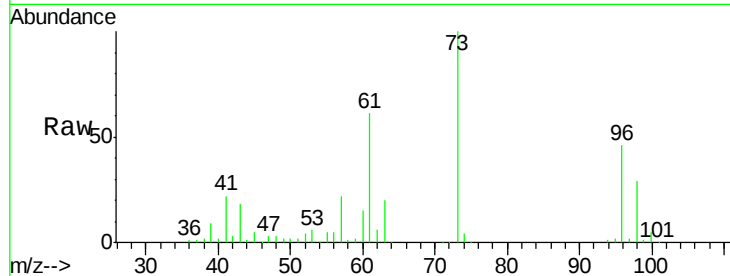
#21  
trans-1,2-Dichloroethene  
Concen: 44.601 ug/l  
RT: 5.04 min Scan# 1017  
Delta R.T. -0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 133.2 | 110.1 | 165.1 |
| 98      | 63.9  | 50.0  | 75.0  |

Manual Integrations  
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MMDadoda  
2/18/2019 9:48:00 AM

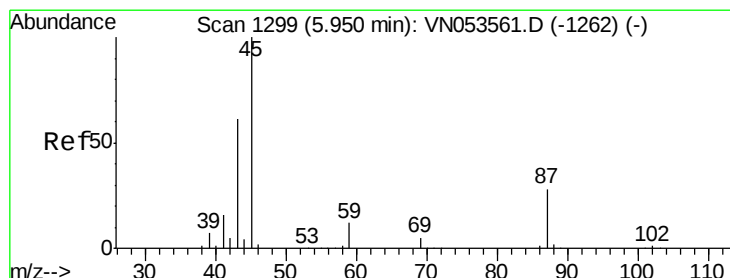
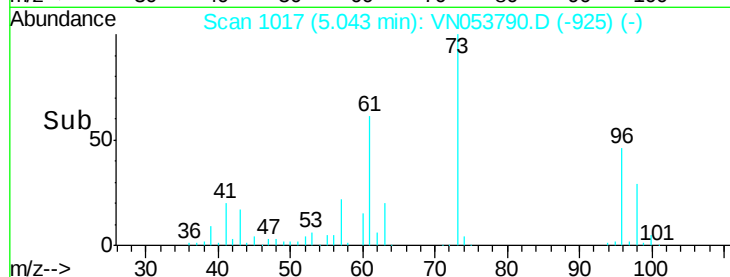
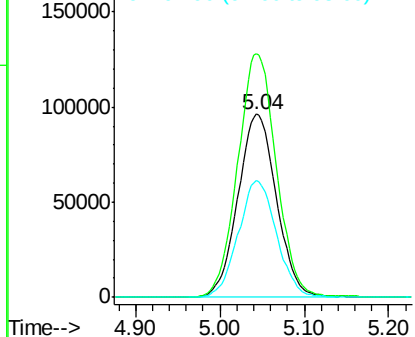


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22  
Diisopropyl ether  
Concen: 48.357 ug/l  
RT: 5.95 min Scan# 1299  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 55.9  | 44.2  | 66.4  |
| 87      | 28.7  | 22.7  | 34.1  |
| 59      | 12.5  | 9.4   | 14.2  |

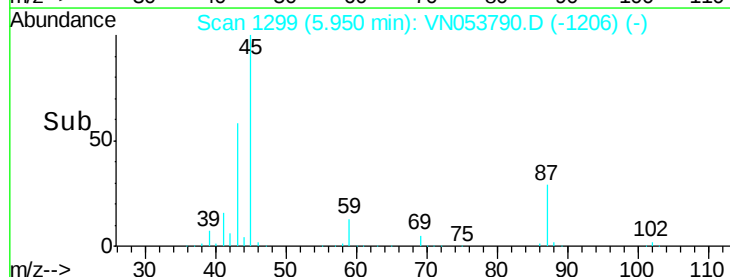
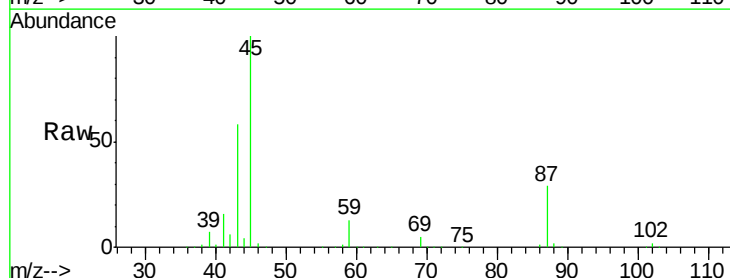
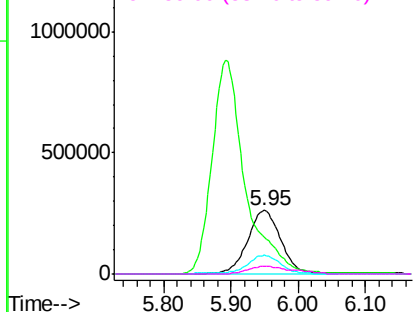
Abundance

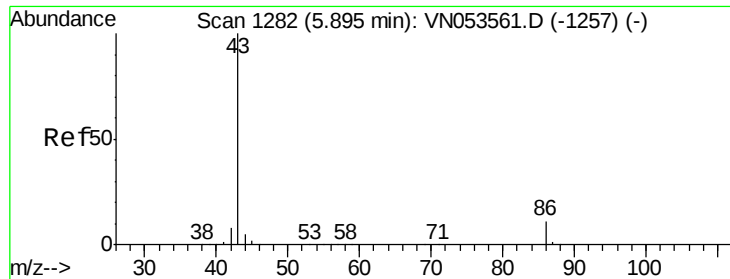
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





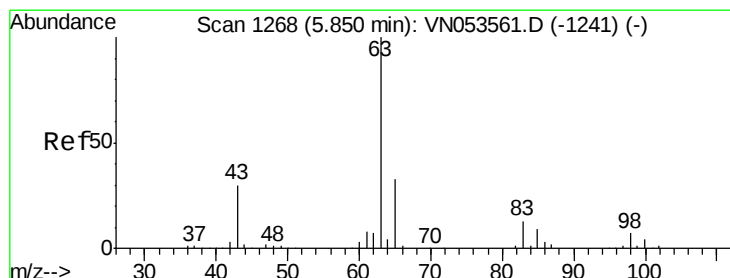
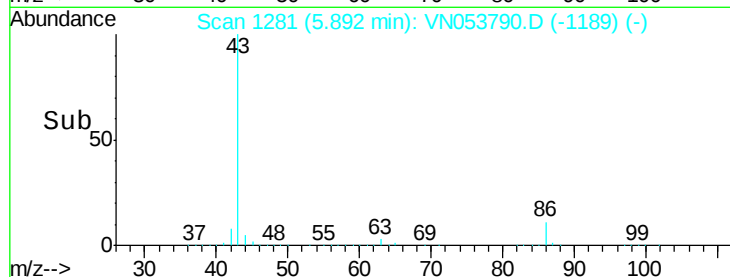
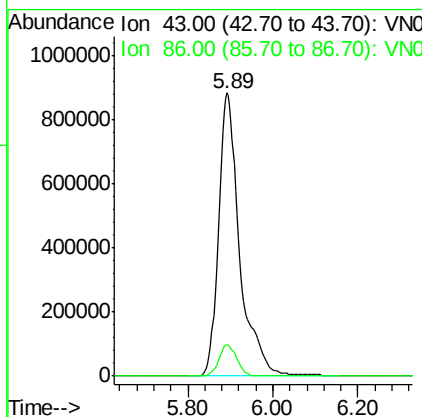
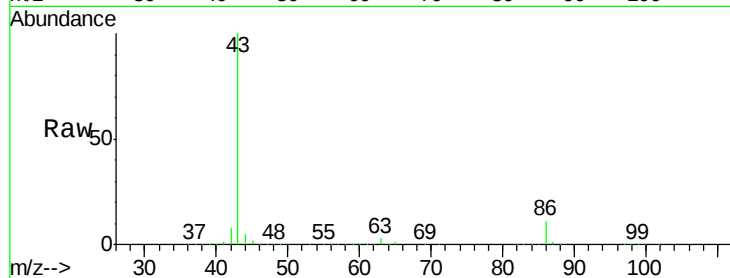
#23  
 Vinyl Acetate  
 Concen: 234.515 ug/l  
 RT: 5.89 min Scan# 1281  
 Delta R.T. -0.00 min  
 Lab File: VN053790.D  
 Acq: 15 Feb 2019 10:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 43 Resp: 3044160  
 Ion Ratio Lower Upper  
 43 100  
 86 11.2 8.4 12.6

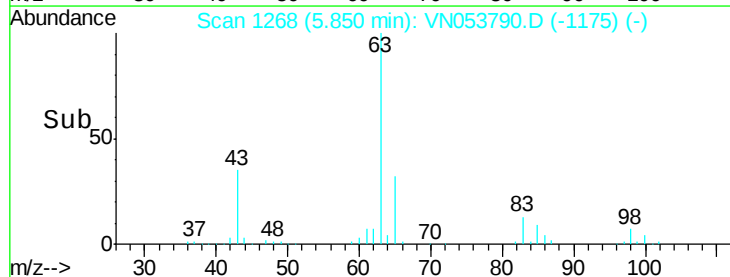
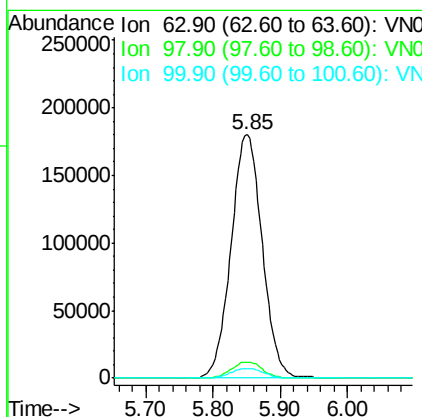
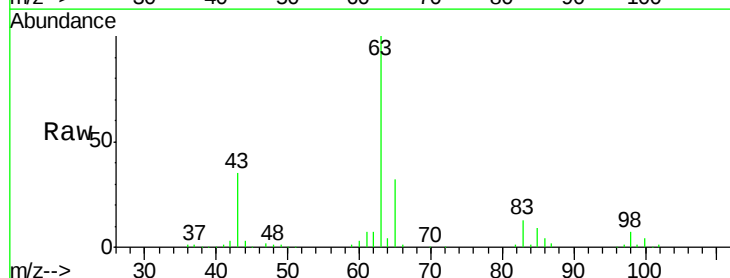
Manual Integrations  
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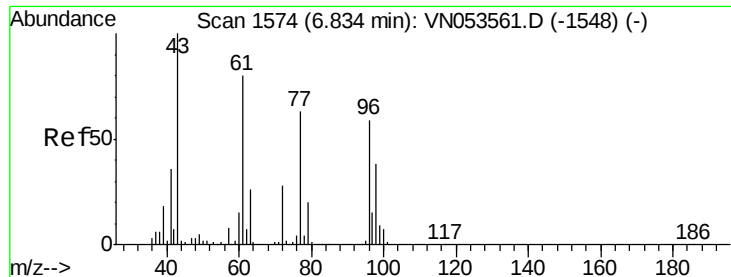
MMDadoda  
 2/18/2019 9:48:00 AM



#24  
 1,1-Dichloroethane  
 Concen: 46.285 ug/l  
 RT: 5.85 min Scan# 1268  
 Delta R.T. 0.00 min  
 Lab File: VN053790.D  
 Acq: 15 Feb 2019 10:28

Tgt Ion: 63 Resp: 579279  
 Ion Ratio Lower Upper  
 63 100  
 98 6.5 3.3 9.9  
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 247.560 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 624004

Ion Ratio Lower Upper

43 100

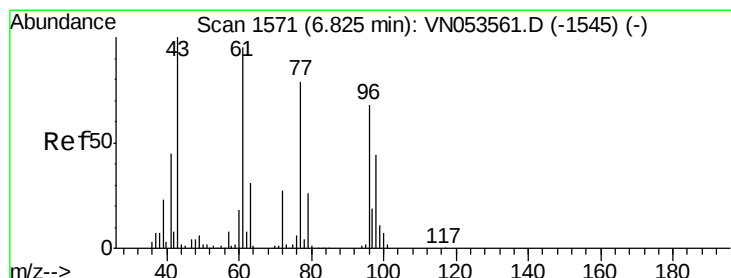
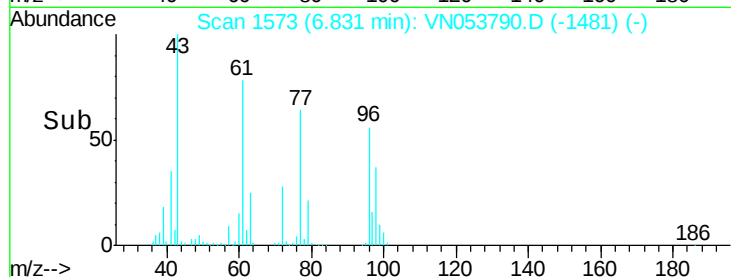
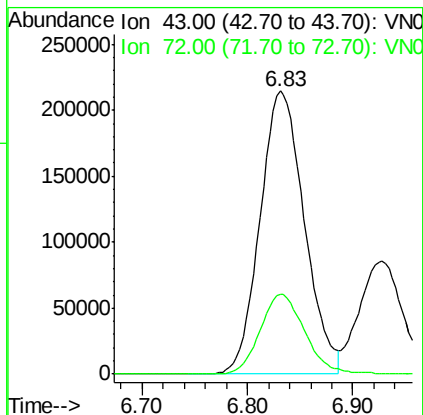
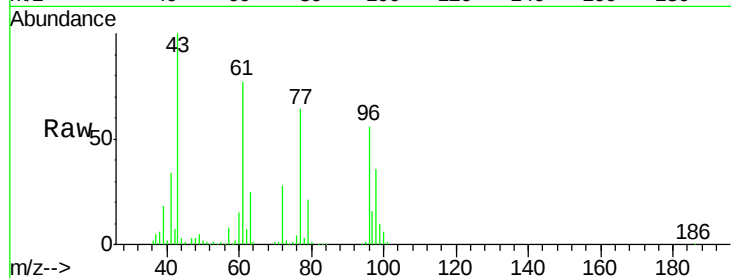
72 28.4 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.743 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053790.D

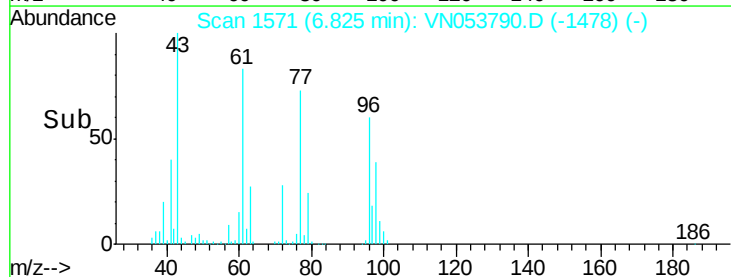
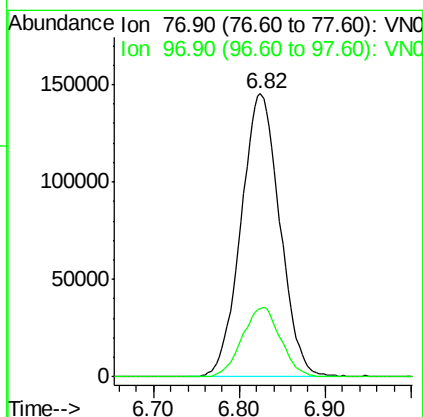
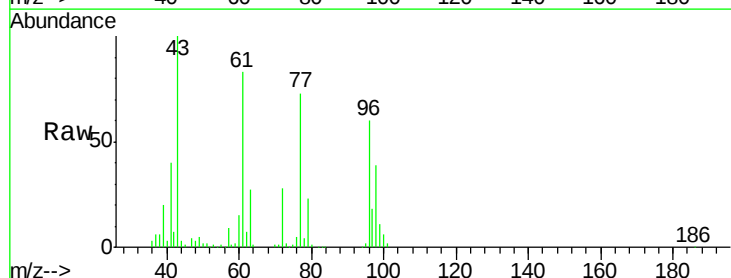
Acq: 15 Feb 2019 10:28

Tgt Ion: 77 Resp: 456129

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 46.785 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

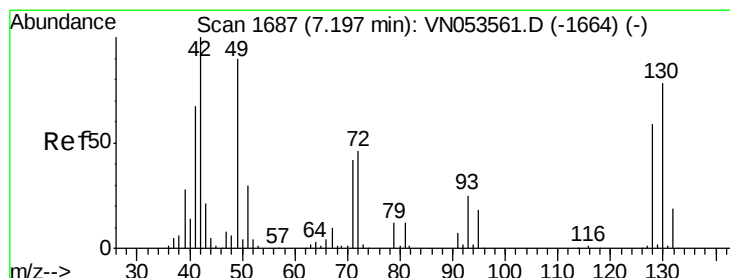
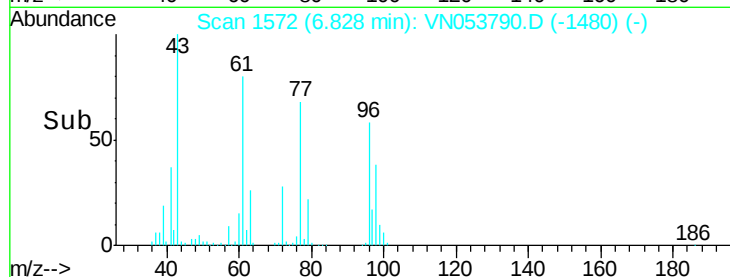
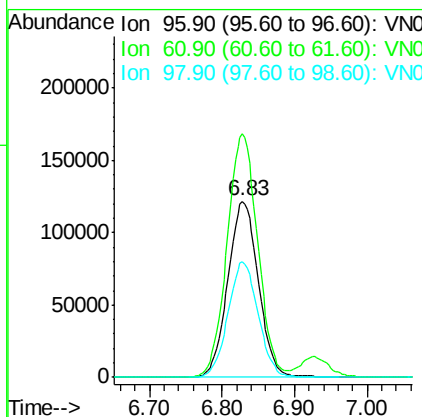
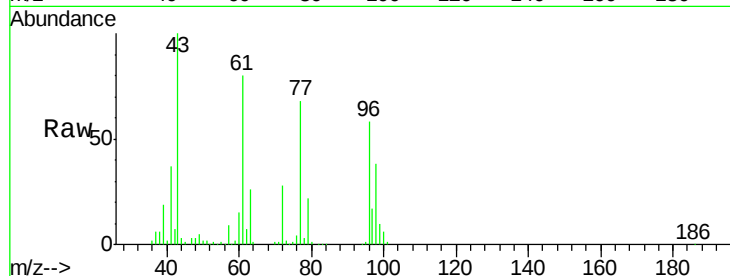
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 356968 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 138.2 | 0.0   | 283.8  |
| 98       | 64.8  | 0.0   | 129.2  |

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#28

Bromochloromethane

Concen: 41.945 ug/l

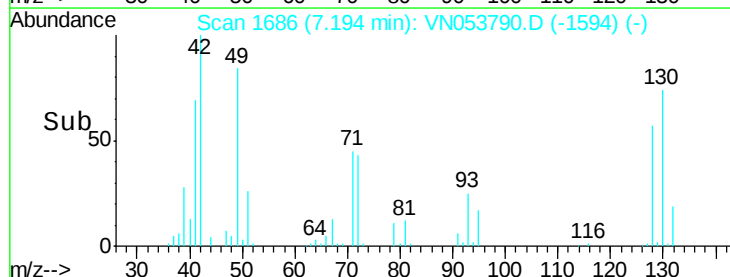
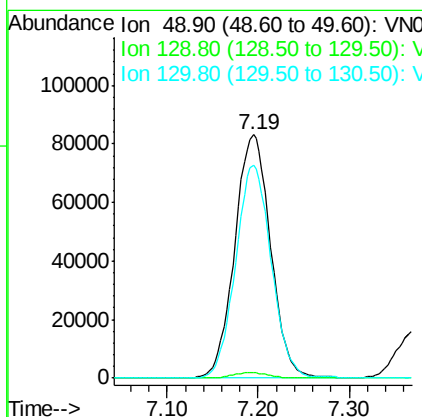
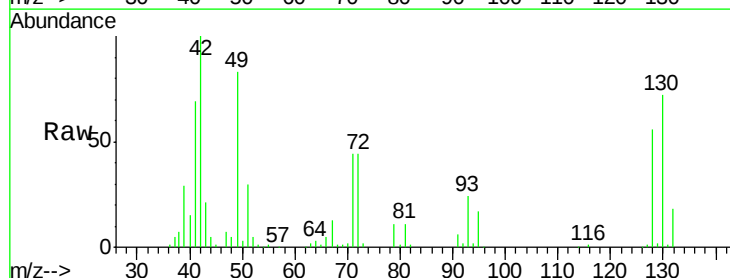
RT: 7.19 min Scan# 1686

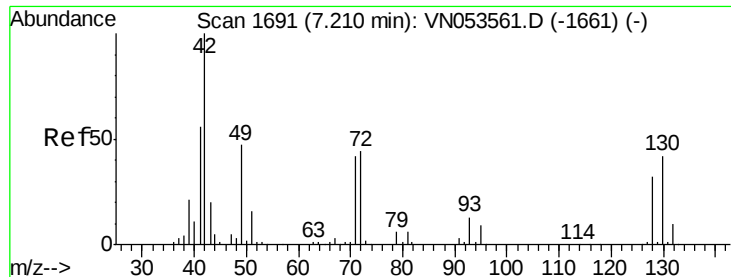
Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 227809 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 2.2   | 0.0   | 4.0    |
| 130      | 87.2  | 66.3  | 99.5   |





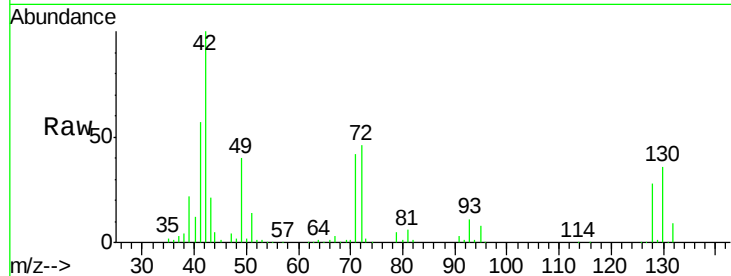
#29  
Tetrahydrofuran  
Concen: 237.718 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

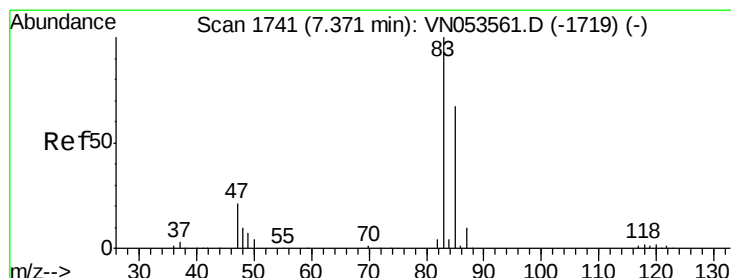
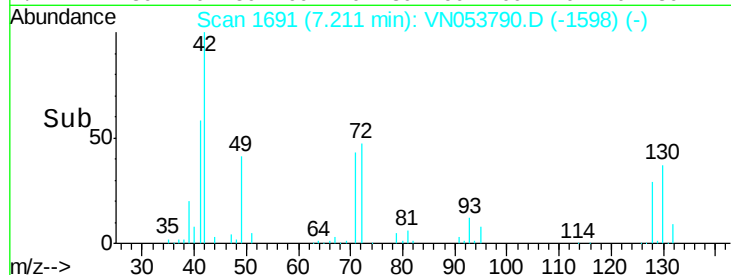
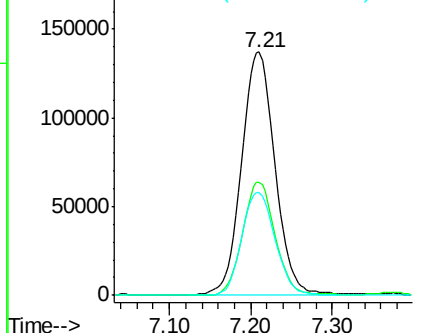
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 45.5  | 35.2  | 52.8  |
| 71      | 42.5  | 33.0  | 49.4  |

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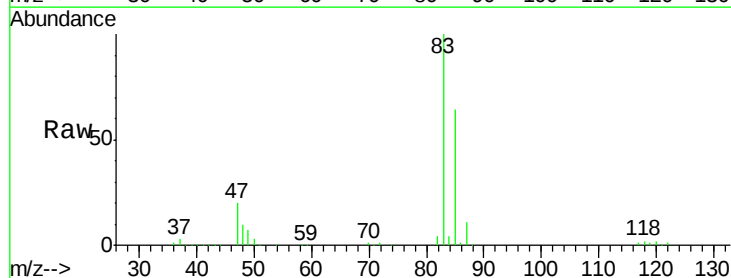


Abundance Ion 42.00 (41.70 to 42.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0  
Ion 71.00 (70.70 to 71.70): VN0

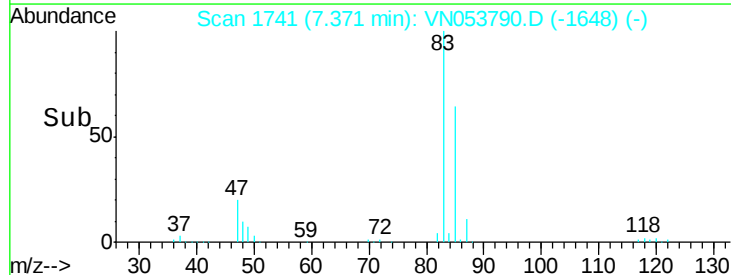
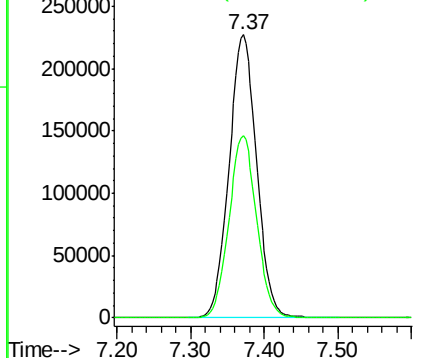


#30  
Chloroform  
Concen: 47.631 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.3  | 52.2  | 78.2  |



Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 43.498 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

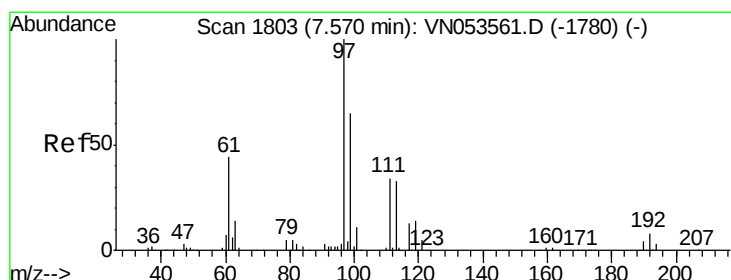
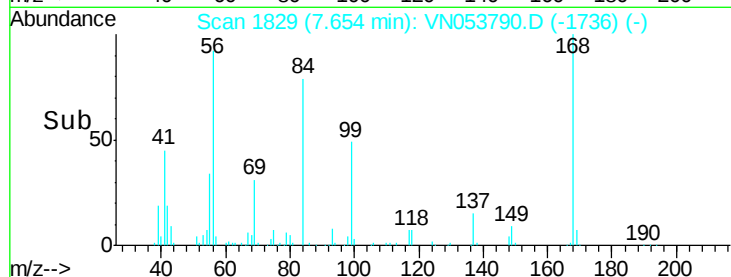
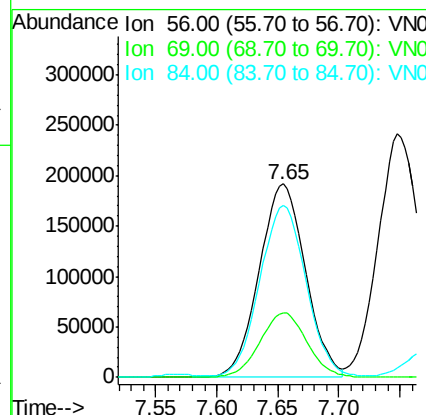
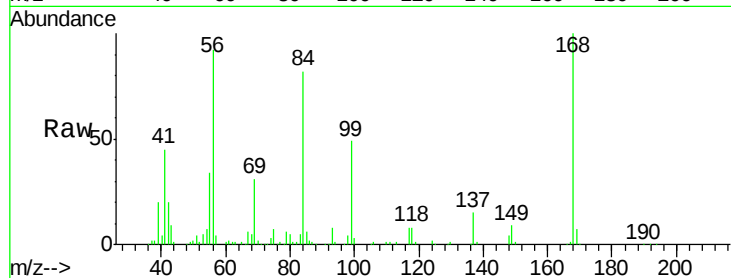
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 507110 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 33.5  | 26.4  | 39.6   |
| 84       | 88.1  | 67.9  | 101.9  |

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#32

1,1,1-Trichloroethane

Concen: 47.147 ug/l

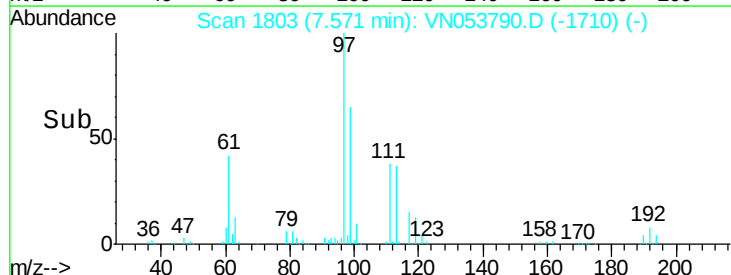
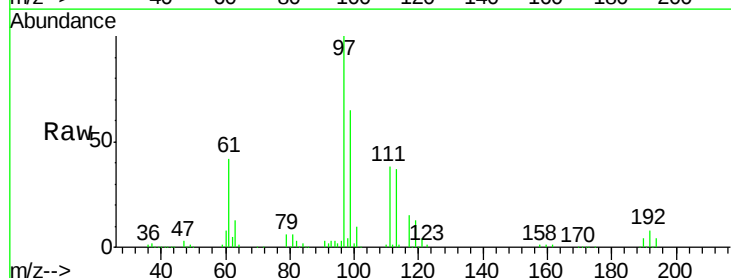
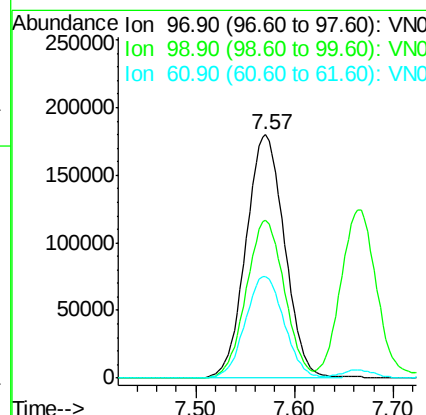
RT: 7.57 min Scan# 1803

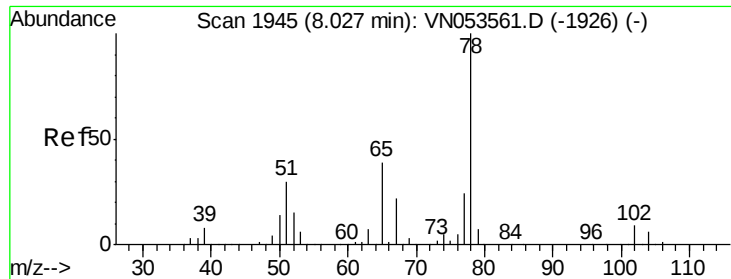
Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 486779 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.2  | 52.0  | 78.0   |
| 61       | 42.1  | 34.4  | 51.6   |





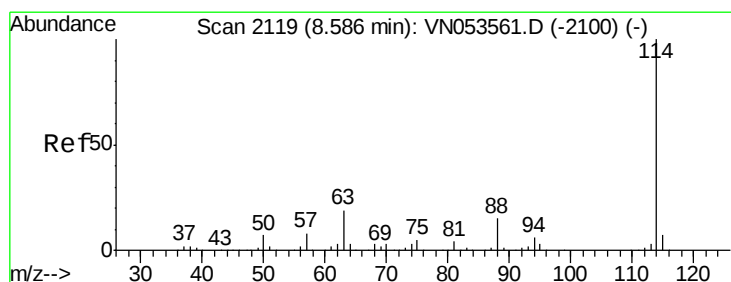
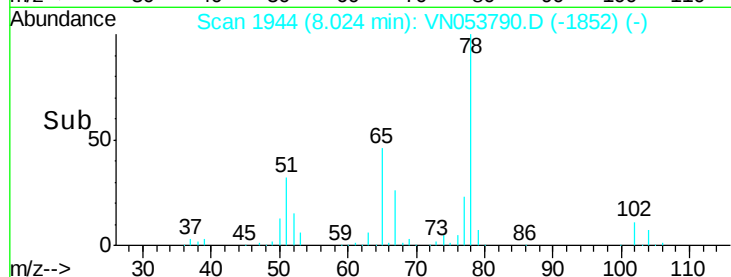
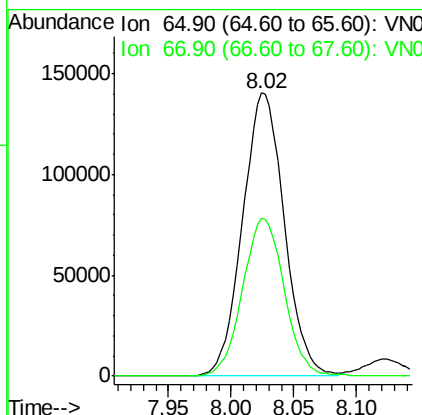
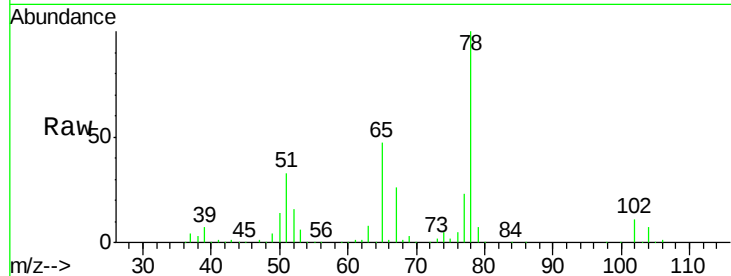
#33  
 1,2-Dichloroethane-d4  
 Concen: 47.198 ug/l  
 RT: 8.02 min Scan# 1944  
 Delta R.T. -0.00 min  
 Lab File: VN053790.D  
 Acq: 15 Feb 2019 10:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 325199 |       |       |
| 67      | 55.8  | 0.0    | 111.2 |       |

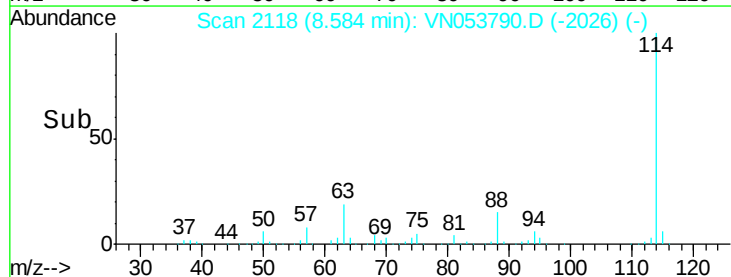
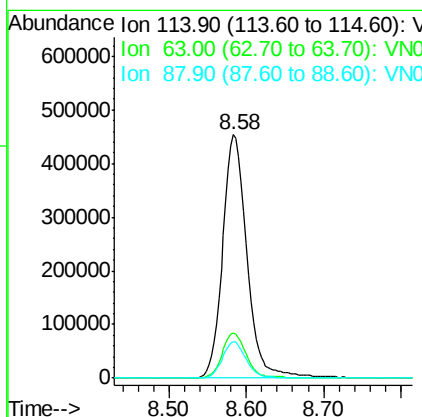
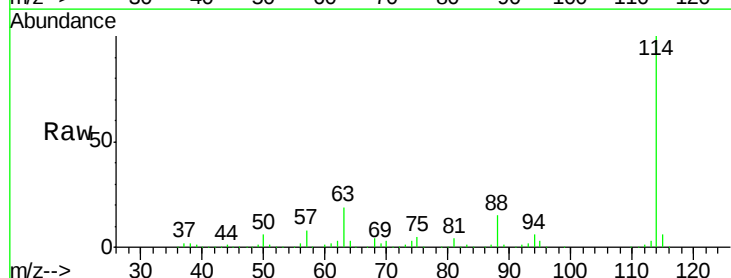
Manual Integrations  
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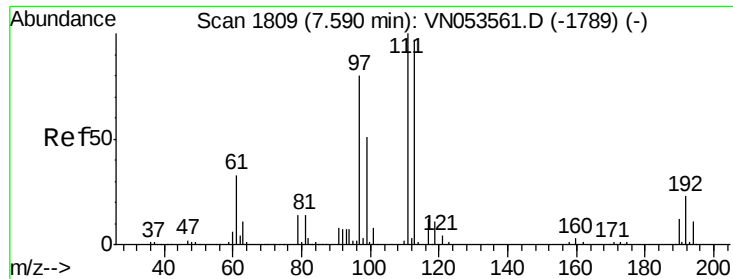
MMDadoda  
 2/18/2019 9:48:00 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN053790.D  
 Acq: 15 Feb 2019 10:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 988904 |       |       |
| 63      | 18.6  | 0.0    | 38.6  |       |
| 88      | 15.1  | 0.0    | 30.4  |       |





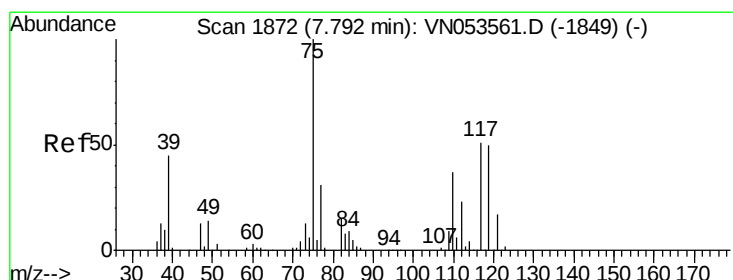
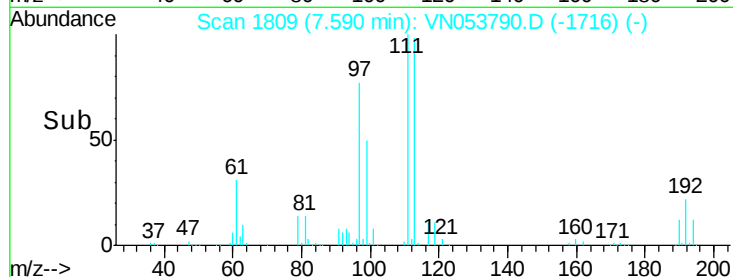
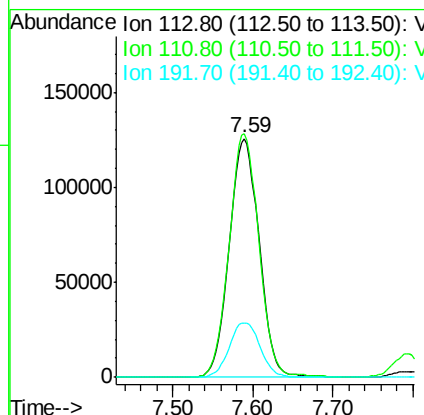
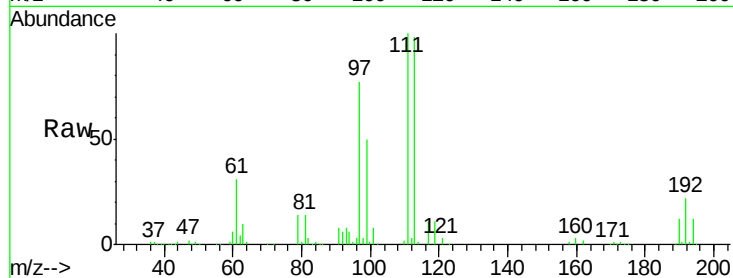
#35  
Dibromofluoromethane  
Concen: 51.235 ug/l  
RT: 7.59 min Scan# 1809  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 320145 |       |       |
| 111     | 101.4 | 81.1   | 121.7 |       |
| 192     | 23.5  | 18.2   | 27.2  |       |

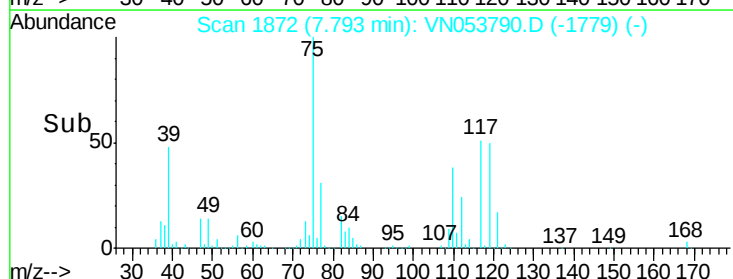
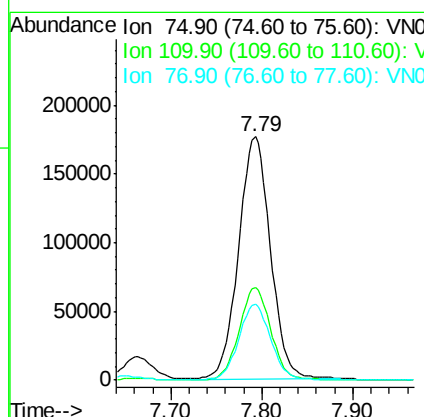
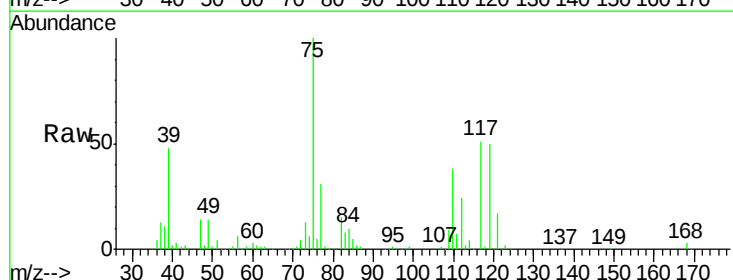
Manual Integrations  
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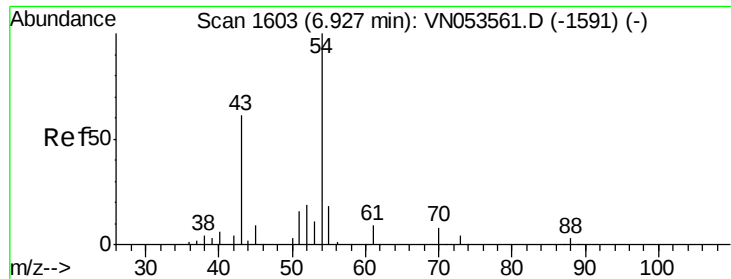
MMDadoda  
2/18/2019 9:48:00 AM



#36  
1,1-Dichloropropene  
Concen: 48.254 ug/l  
RT: 7.79 min Scan# 1872  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 430155 |       |       |
| 110     | 37.9  | 18.1   | 54.3  |       |
| 77      | 31.5  | 25.1   | 37.7  |       |





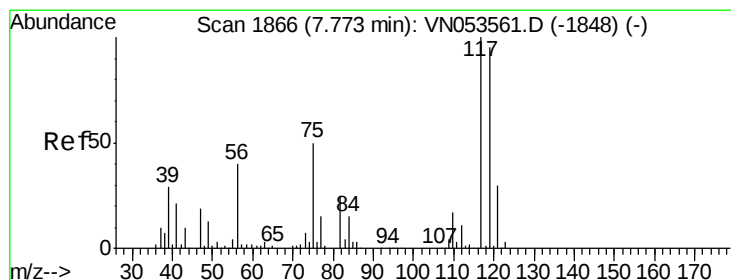
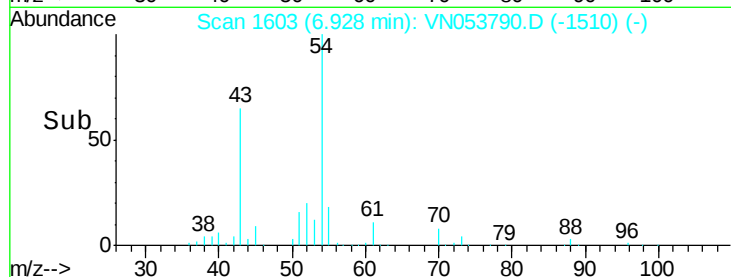
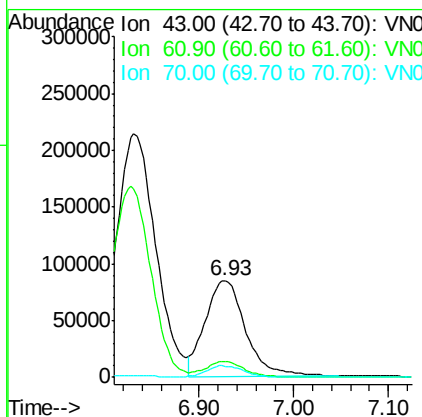
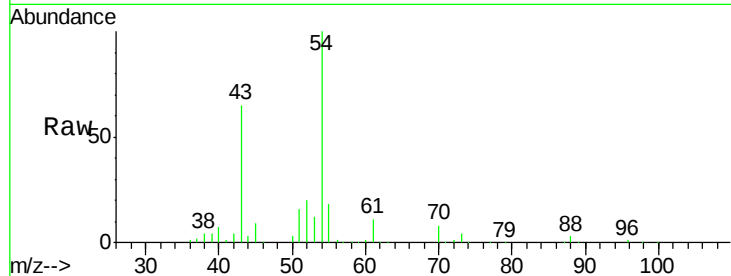
#37  
Ethyl Acetate  
Concen: 50.298 ug/l  
RT: 6.93 min Scan# 1603  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.1  | 11.8  | 17.6  |
| 70      | 11.4  | 8.6   | 12.8  |

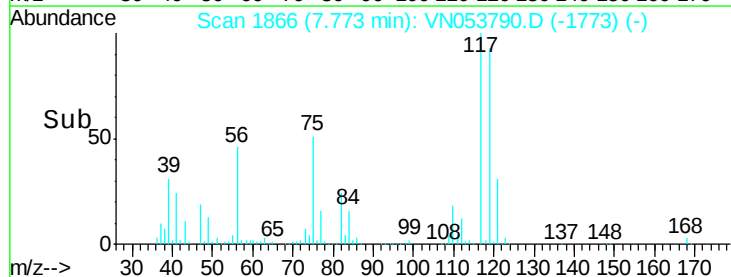
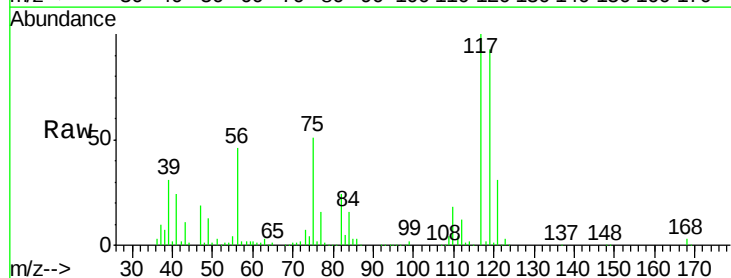
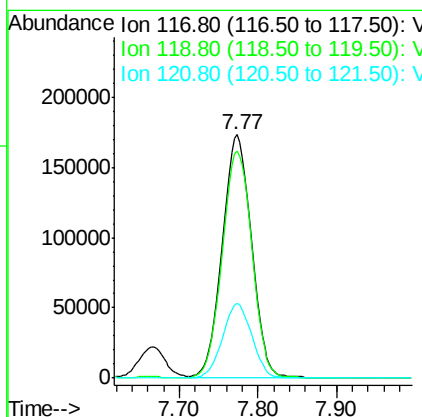
Manual Integrations  
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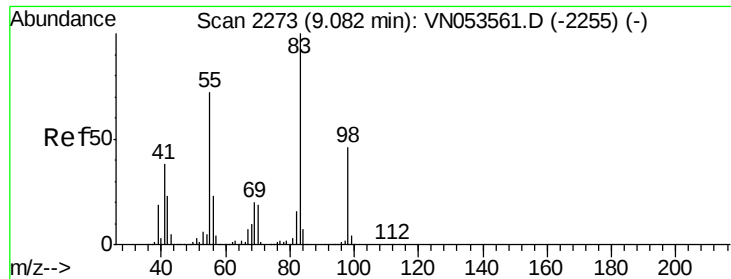
MMDadoda  
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#38  
Carbon Tetrachloride  
Concen: 49.377 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 93.3  | 77.2  | 115.8 |
| 121     | 30.8  | 24.6  | 37.0  |





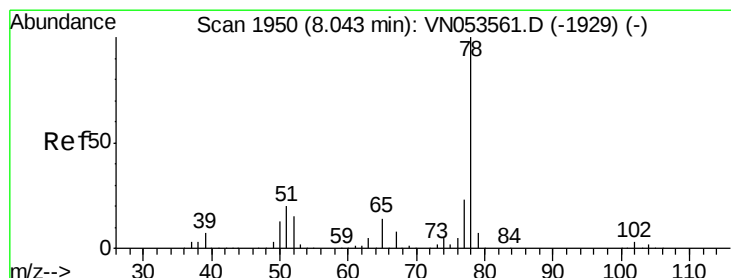
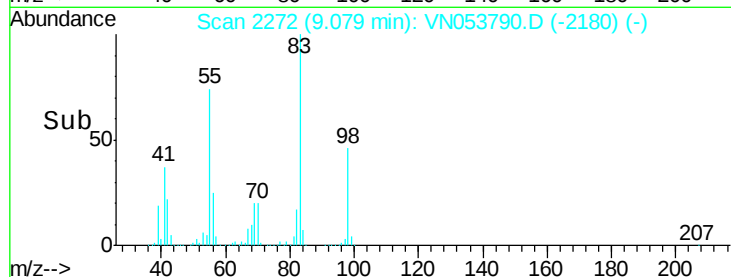
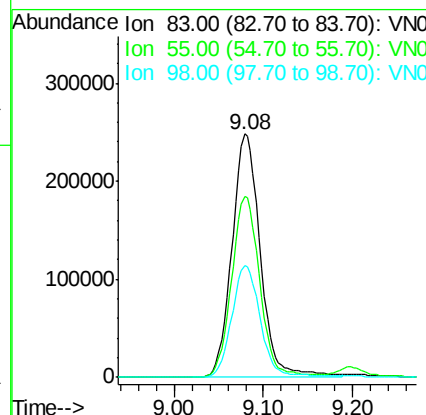
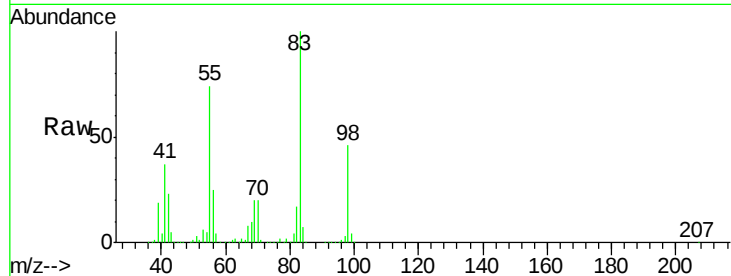
#39  
Methvlcvclohexane  
Concen: 51.971 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. -0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 74.4  | 60.1  | 90.1  |
| 98      | 46.0  | 36.6  | 55.0  |

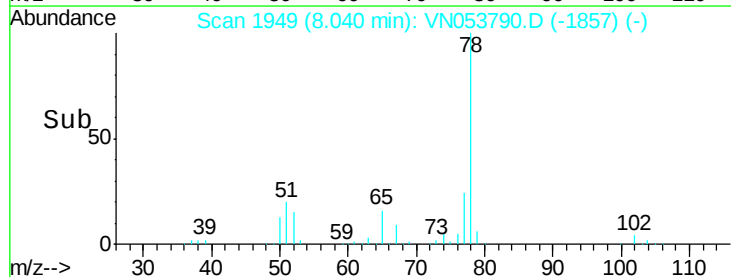
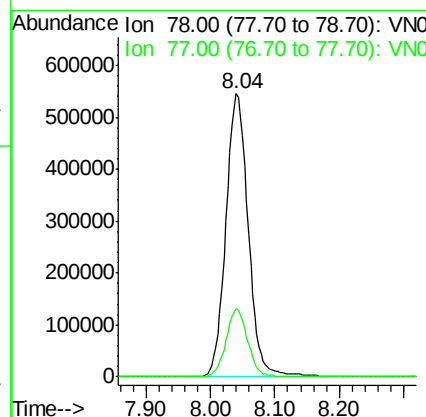
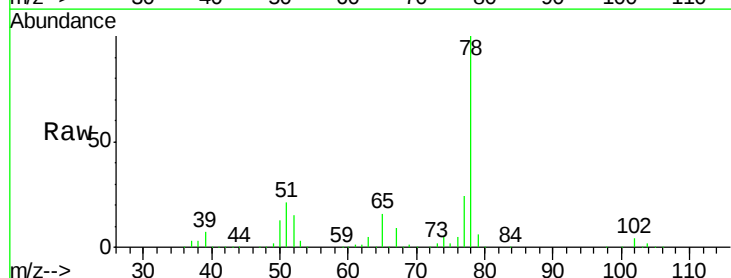
Manual Integrations  
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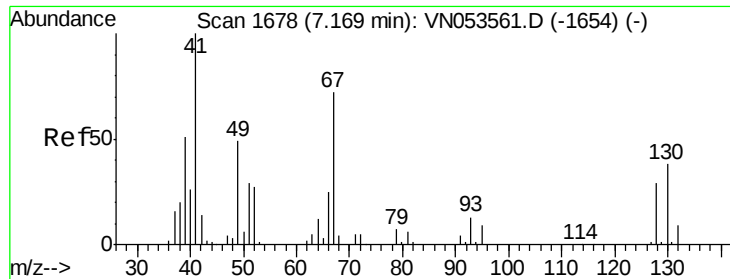
MMDadoda  
2/18/2019 9:48:00 AM



#40  
Benzene  
Concen: 48.090 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. -0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.1  | 18.8  | 28.2  |





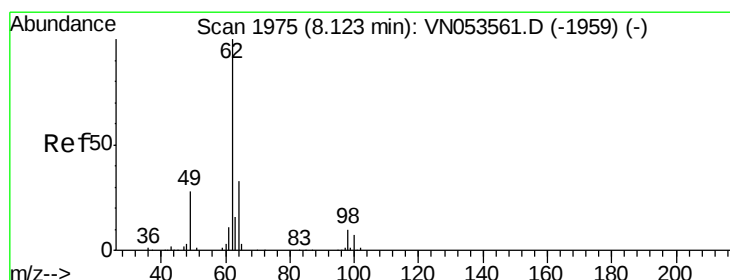
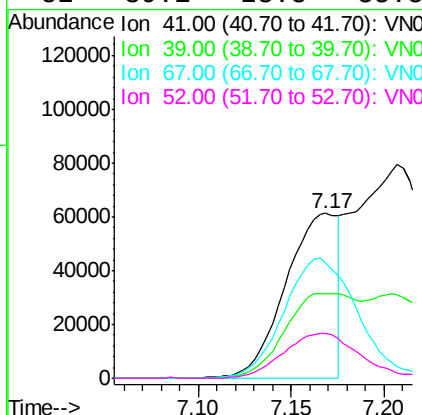
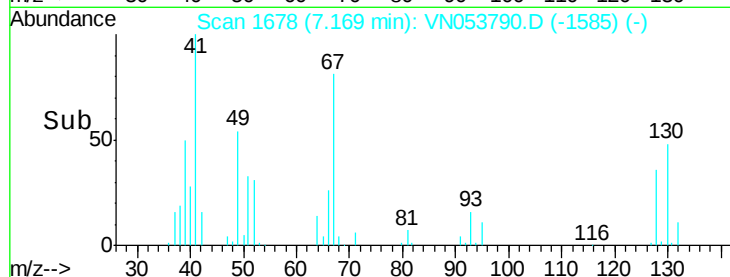
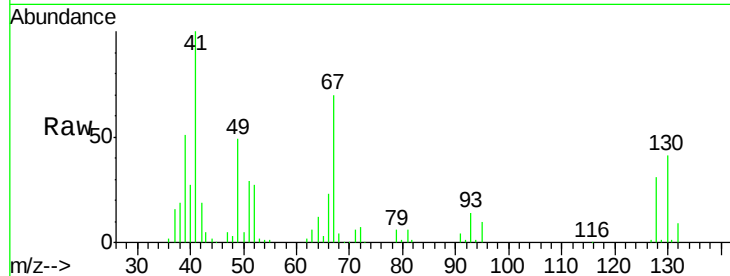
#41  
Methacrylonitrile  
Concen: 42.859 ug/l  
RT: 7.17 min Scan# 1678  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 41      | 100   |       |       |       |
| 39      | 71.9  | 46.8  | 70.2# |       |
| 67      | 104.3 | 63.0  | 94.6# |       |
| 52      | 39.1  | 23.8  | 35.8# |       |

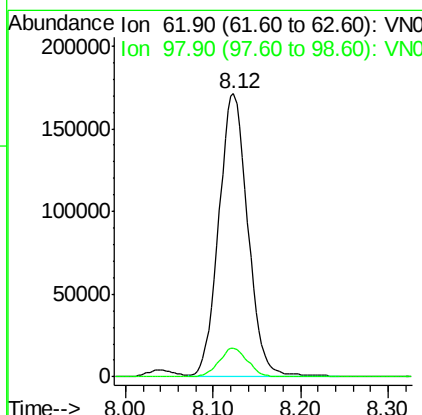
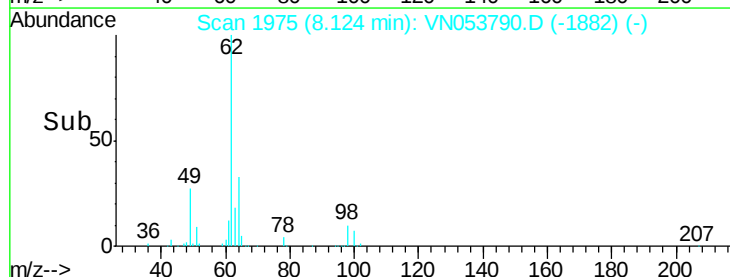
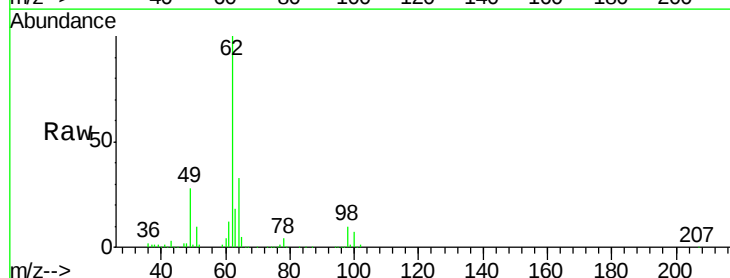
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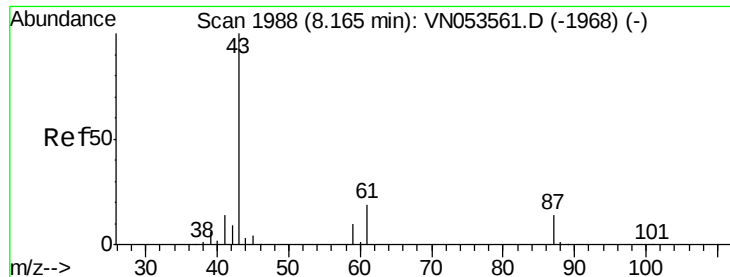
MMDadoda  
2/18/2019 9:48:00 AM



#42  
1,2-Dichloroethane  
Concen: 48.188 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 62      | 100  |       |       |       |
| 98      | 10.1 | 0.0   | 19.6  |       |





#43

Isopropyl Acetate

Concen: 45.151 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

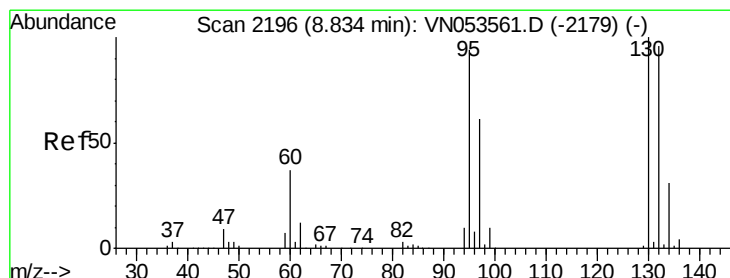
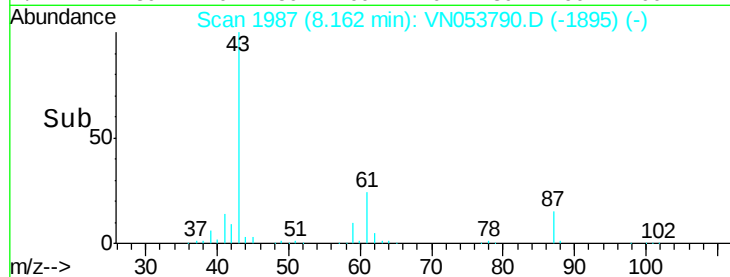
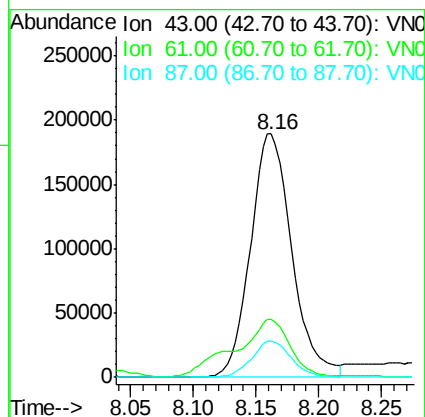
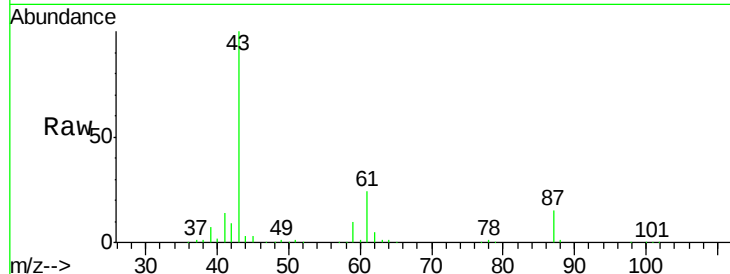
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 434128 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 31.7  | 23.9  | 35.9   |
| 87       | 14.3  | 11.0  | 16.6   |

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2/18/2019 9:48:00 AM



#44

Trichloroethene

Concen: 49.585 ug/l

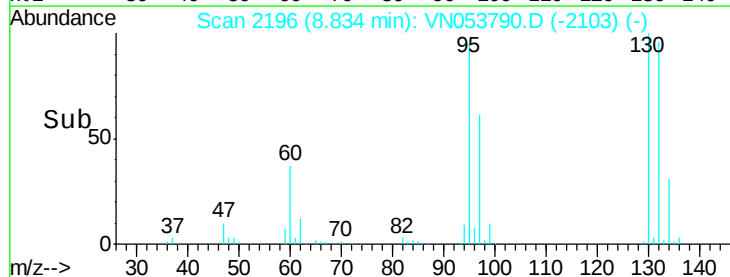
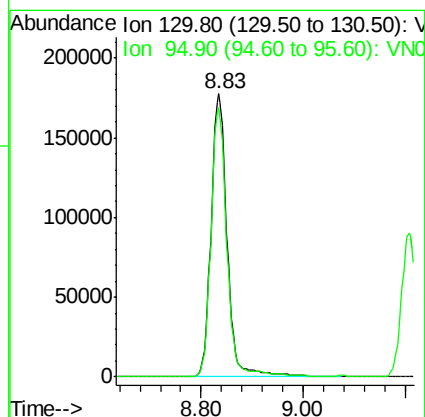
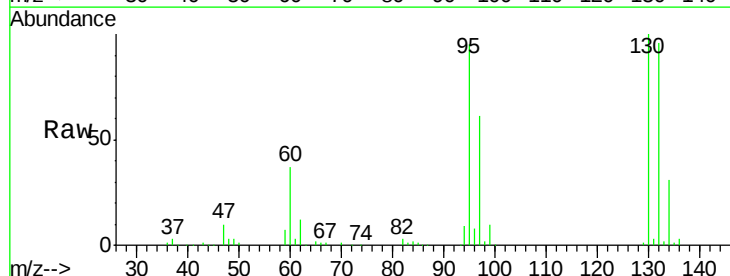
RT: 8.83 min Scan# 2196

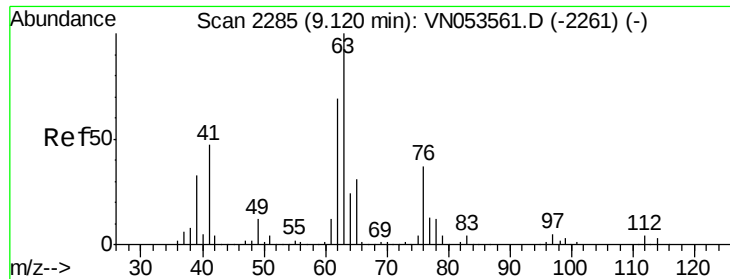
Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 388056 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 95.2  | 0.0   | 191.4  |





#45

1,2-Dichloropropane

Concen: 51.392 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 361343

Ion Ratio Lower Upper

63 100

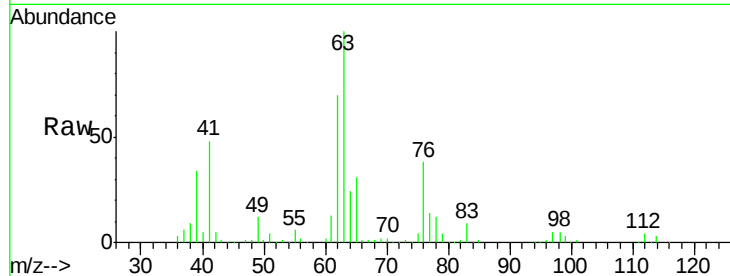
65 31.3 25.0 37.4

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC

200000

150000

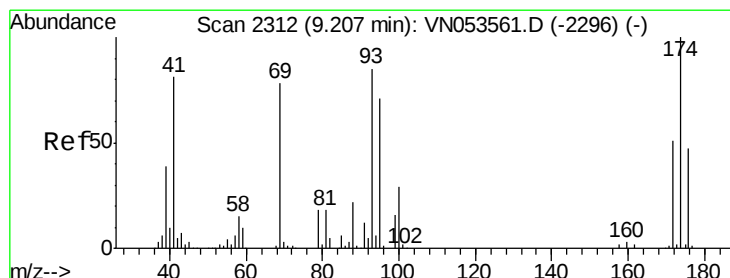
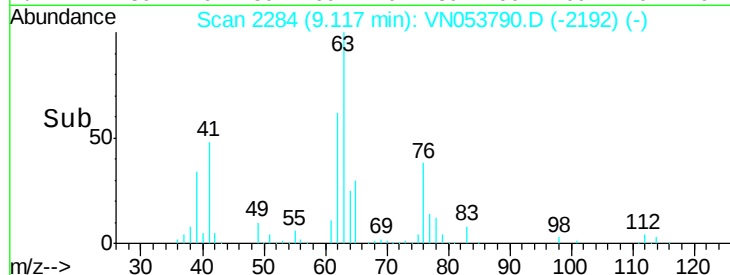
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 51.647 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

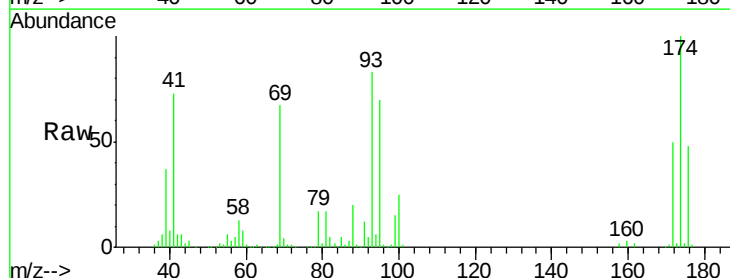
Tgt Ion: 93 Resp: 218906

Ion Ratio Lower Upper

93 100

95 84.6 67.3 100.9

174 118.3 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VNC

Ion 94.80 (94.50 to 95.50): VNC

Ion 173.70 (173.40 to 174.40): V

150000

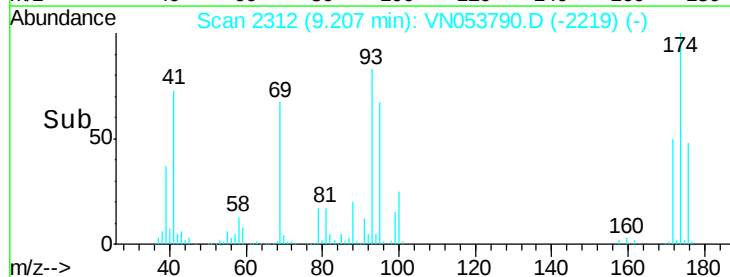
100000

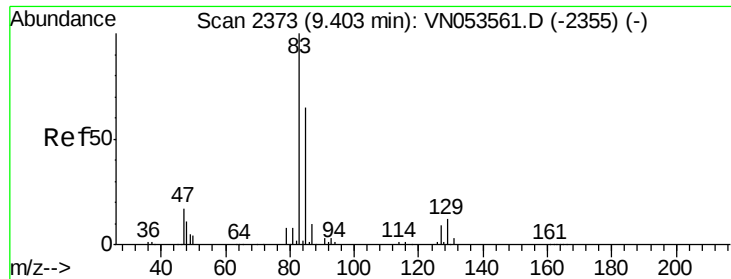
50000

0

9.10 9.15 9.20 9.25 9.30

Time-->





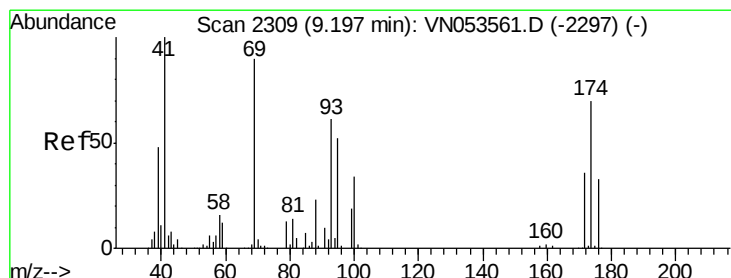
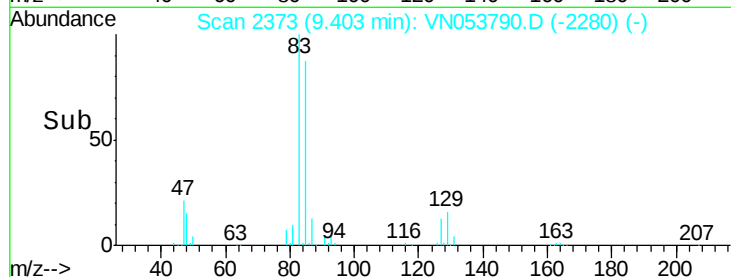
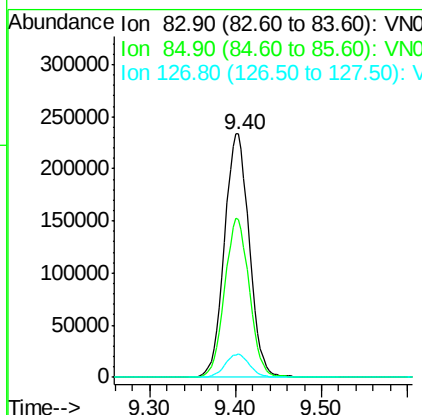
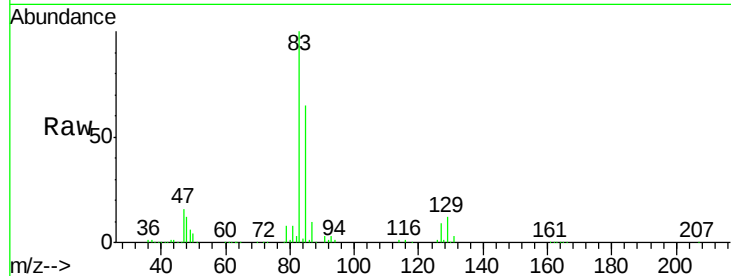
#47  
Bromodichloromethane  
Concen: 53.203 ug/l  
RT: 9.40 min Scan# 2373  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 468852 |       |       |
| 85      | 64.8  | 51.0   | 76.6  |       |
| 127     | 9.4   | 7.0    | 10.6  |       |

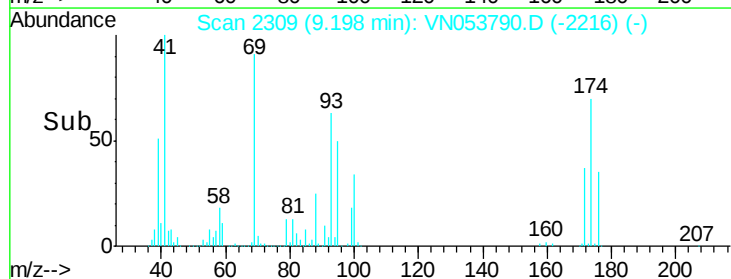
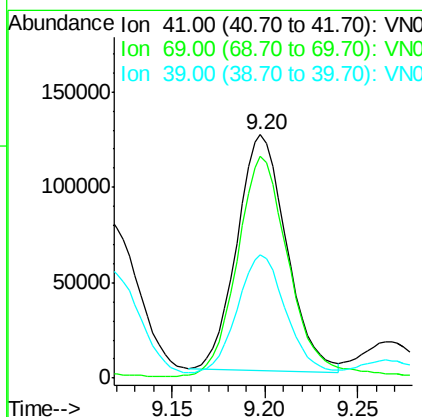
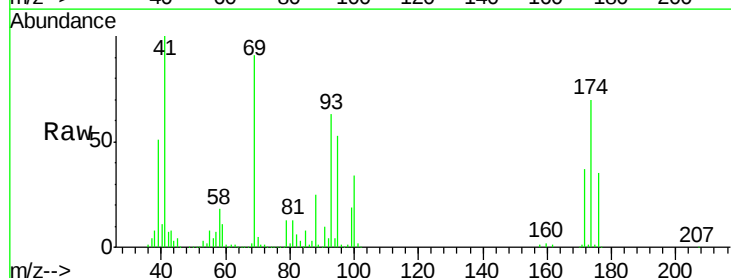
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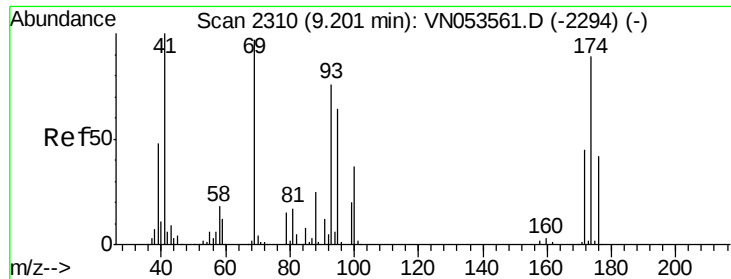
MMDadoda  
2/18/2019 9:48:00 AM



#48  
Methyl methacrylate  
Concen: 50.003 ug/l  
RT: 9.20 min Scan# 2309  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 41      | 100   | 229494 |       |       |
| 69      | 99.3  | 73.8   | 110.6 |       |
| 39      | 53.3  | 40.0   | 60.0  |       |





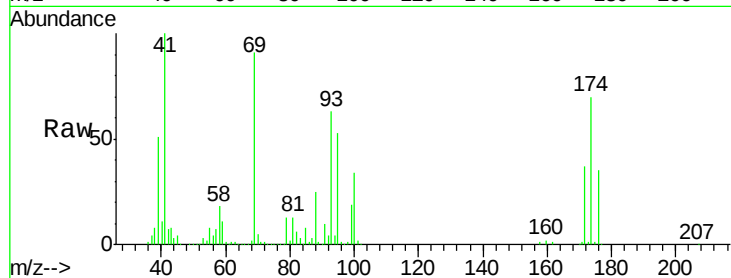
#49  
1,4-Dioxane  
Concen: 1033.600 ug/l  
RT: 9.20 min Scan# 2309  
Delta R.T. -0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 88    | Resp  | 68829 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 28.2  | 27.8  | 41.6  |
| 58      | 68.7  | 56.5  | 84.7  |

Manual Integrations  
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MMDadoda  
2/18/2019 9:48:00 AM

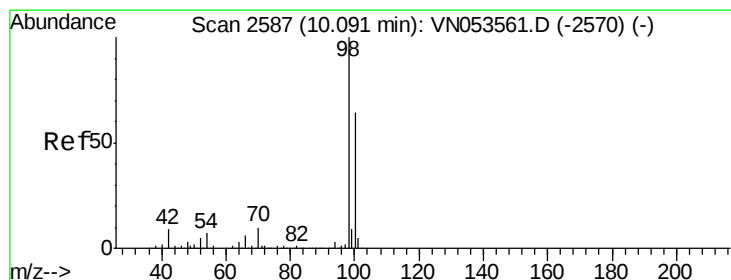
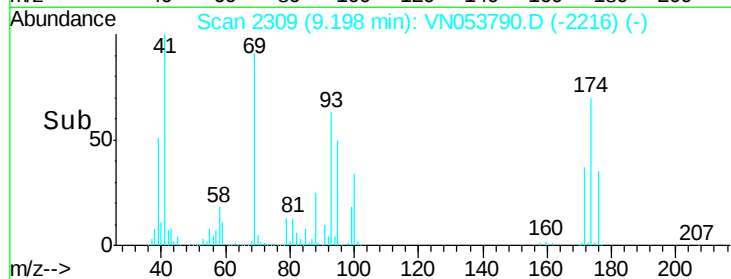
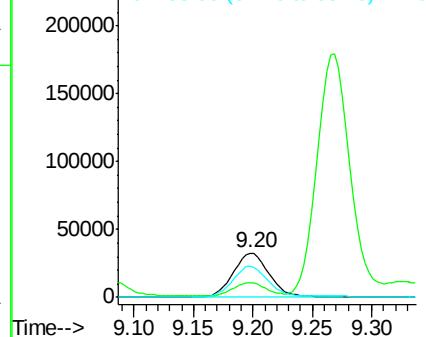


Abundance

Ion 88.00 (87.70 to 88.70): VNC

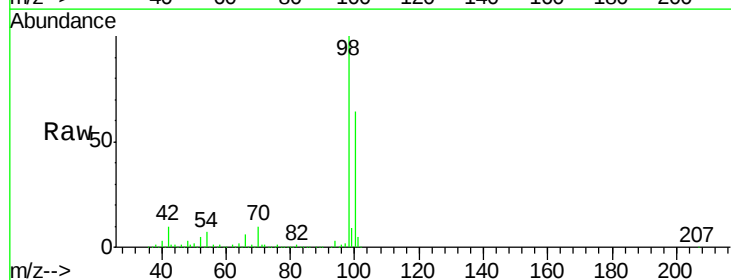
Ion 43.00 (42.70 to 43.70): VNC

Ion 58.00 (57.70 to 58.70): VNC



#50  
Toluene-d8  
Concen: 54.090 ug/l  
RT: 10.09 min Scan# 2586  
Delta R.T. -0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

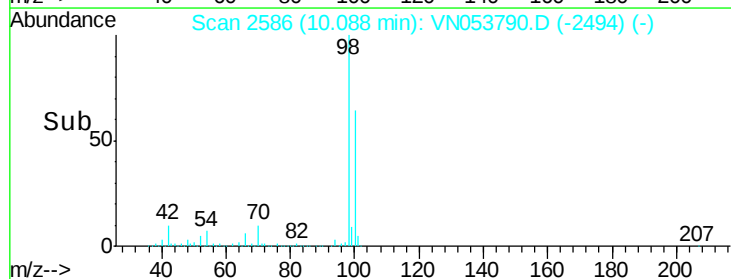
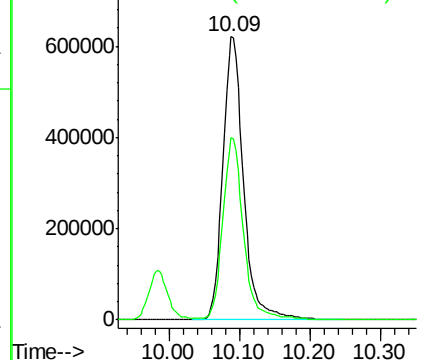
| Tgt Ion | 98    | Resp  | 1269079 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 98      | 100   |       |         |
| 100     | 64.4  | 51.4  | 77.0    |

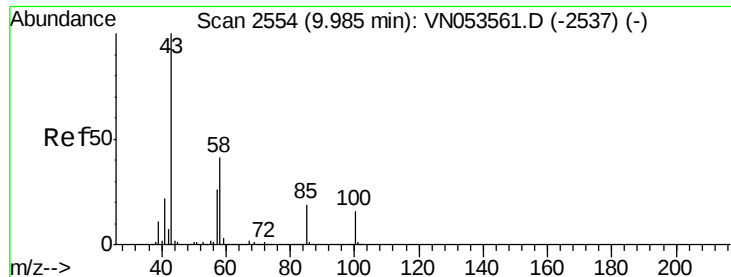


Abundance

Ion 98.00 (97.70 to 98.70): VNC

Ion 100.00 (99.70 to 100.70): VNC





#51

4-Methyl-2-Pentanone

Concen: 280.256 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1324153

Ion Ratio Lower Upper

43 100

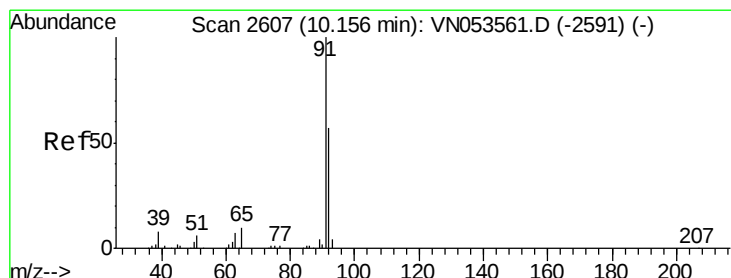
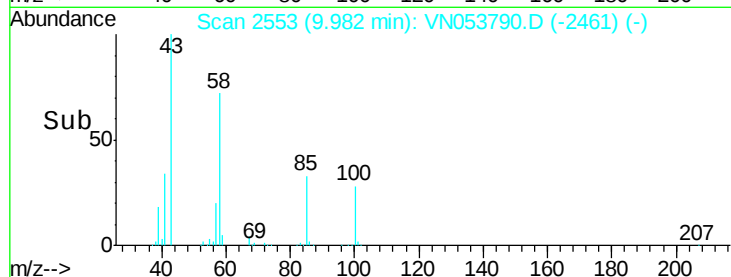
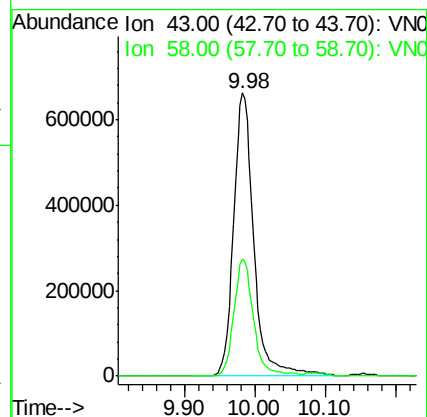
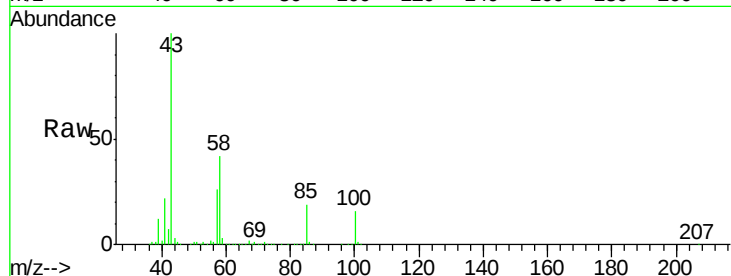
58 40.5 32.8 49.2

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2/18/2019 9:48:00 AM



#52

Toluene

Concen: 53.091 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053790.D

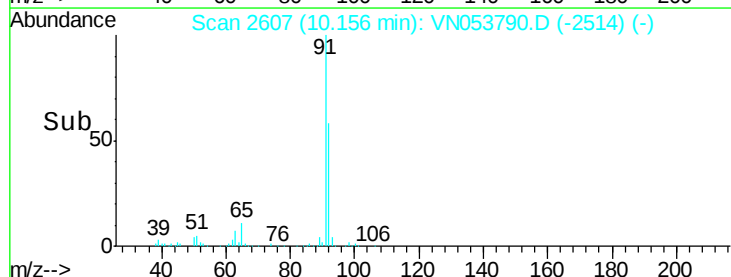
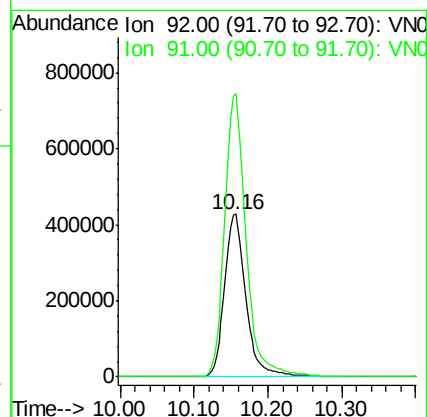
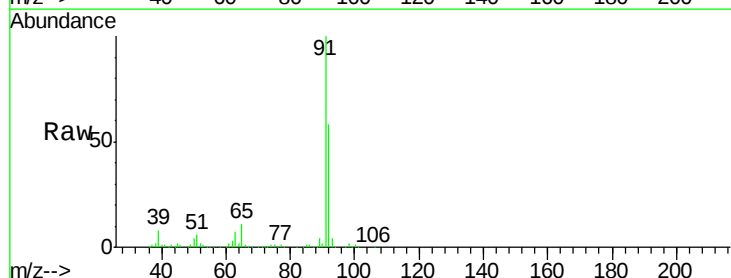
Acq: 15 Feb 2019 10:28

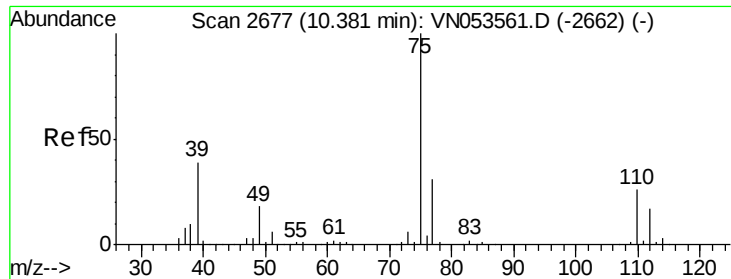
Tgt Ion: 92 Resp: 866183

Ion Ratio Lower Upper

92 100

91 173.7 139.9 209.9





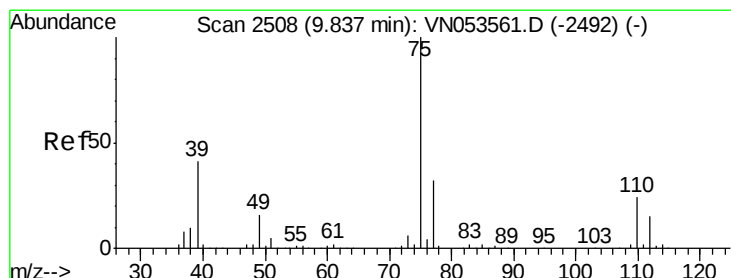
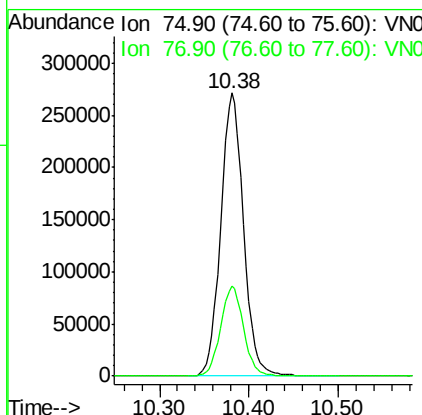
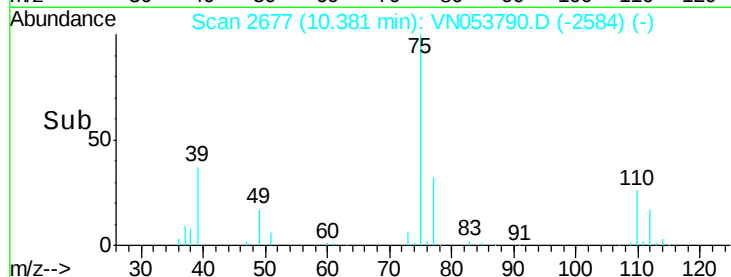
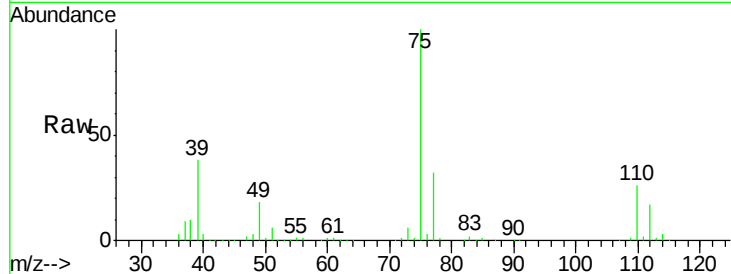
#53  
t-1,3-Dichloropropene  
Concen: 54.216 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 75 Resp: 478425  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.5 38.3

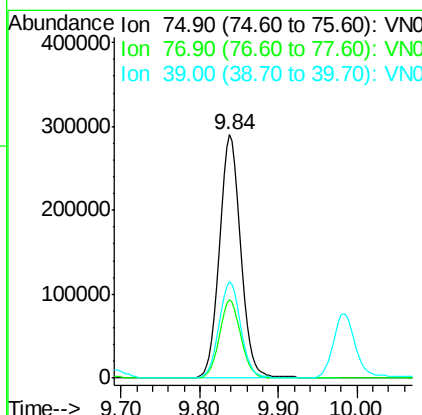
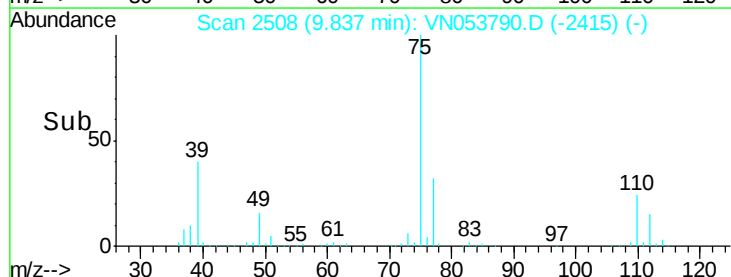
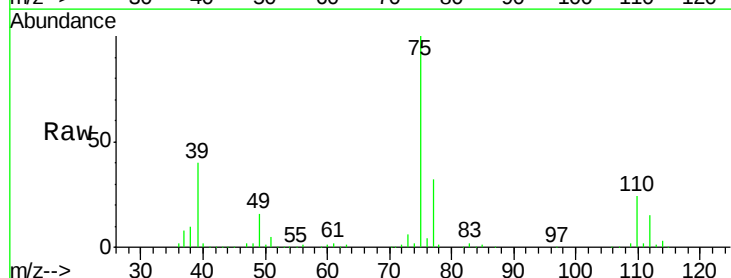
Manual Integrations  
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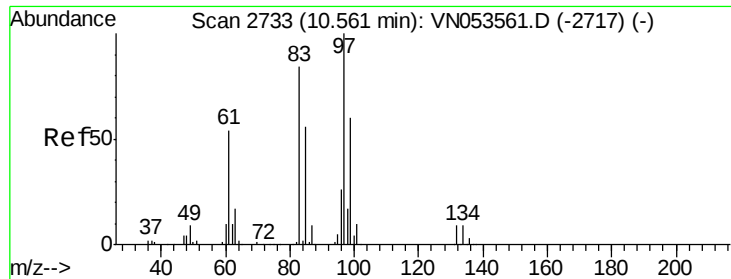
MMDadoda  
2/18/2019 9:48:00 AM



#54  
cis-1,3-Dichloropropene  
Concen: 51.686 ug/l  
RT: 9.84 min Scan# 2508  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Tgt Ion: 75 Resp: 540473  
Ion Ratio Lower Upper  
75 100  
77 32.1 25.8 38.6  
39 39.5 33.4 50.0





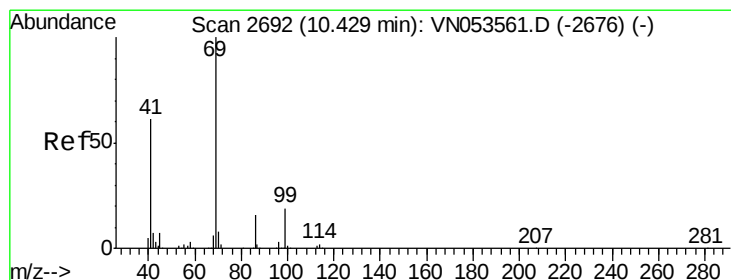
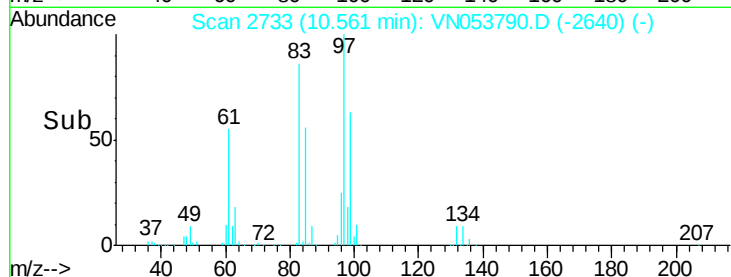
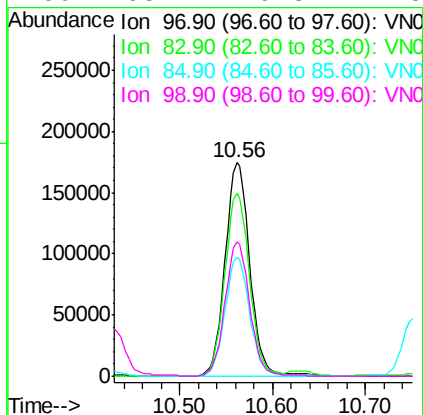
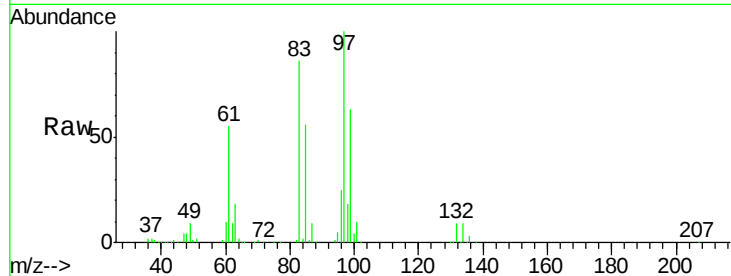
#55  
 1,1,2-Trichloroethane  
 Concen: 54.945 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. 0.00 min  
 Lab File: VN053790.D  
 Acq: 15 Feb 2019 10:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | 97    | Resp  | 323021 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 97      | 100   |       |        |
| 83      | 85.8  | 70.1  | 105.1  |
| 85      | 56.0  | 45.4  | 68.0   |
| 99      | 63.2  | 49.8  | 74.8   |

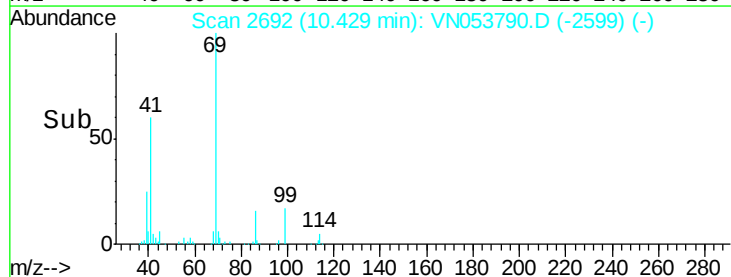
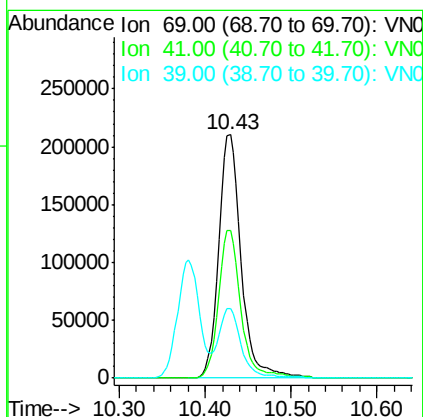
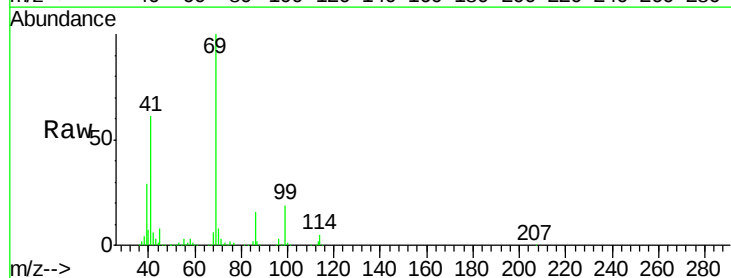
Manual Integrations  
 APPROVED

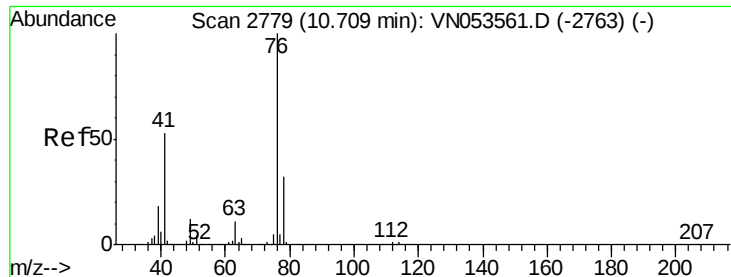
MMDadoda  
 2/18/2019 9:48:00 AM



#56  
 Ethyl methacrylate  
 Concen: 55.014 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN053790.D  
 Acq: 15 Feb 2019 10:28

| Tgt Ion | 69    | Resp  | 382612 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 69      | 100   |       |        |
| 41      | 59.8  | 49.4  | 74.0   |
| 39      | 28.8  | 23.3  | 34.9   |





#57

1,3-Dichloropropane

Concen: 52.695 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 529455

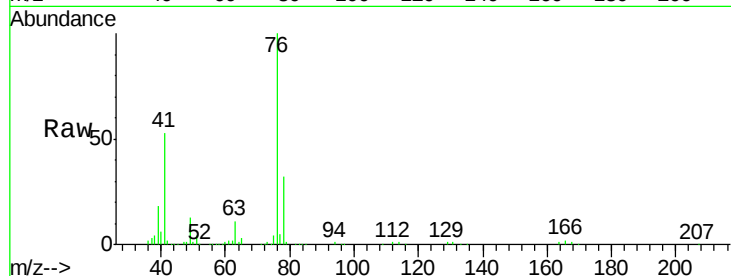
Ion Ratio Lower Upper

76 100

78 31.9 25.6 38.4

Manual Integrations  
APPROVED

MMDadoda  
2/18/2019 9:48:00 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

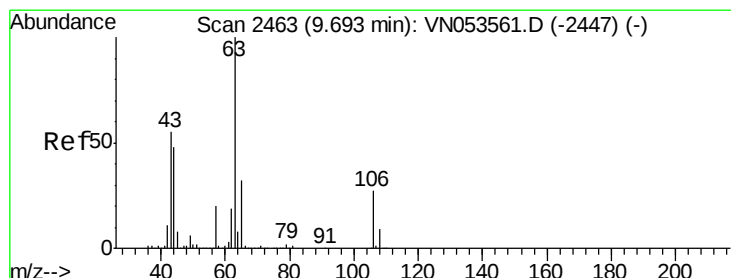
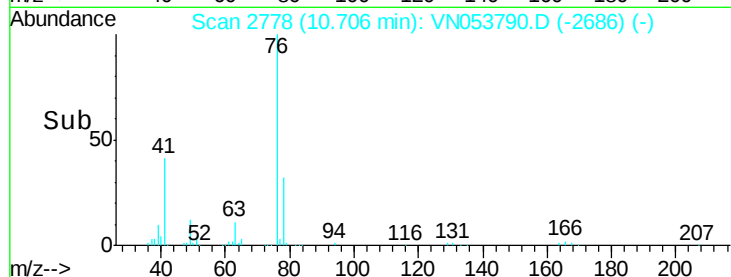
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 248.757 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053790.D

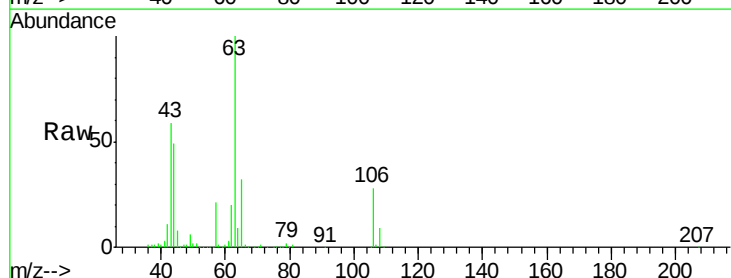
Acq: 15 Feb 2019 10:28

Tgt Ion: 63 Resp: 1072759

Ion Ratio Lower Upper

63 100

106 27.8 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

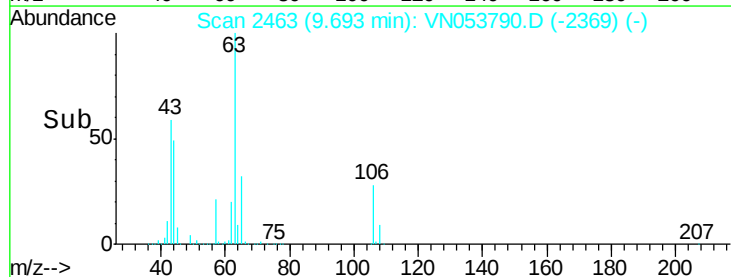
600000

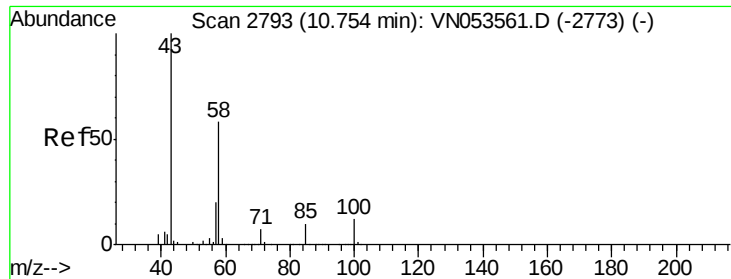
400000

200000

0

Time-->





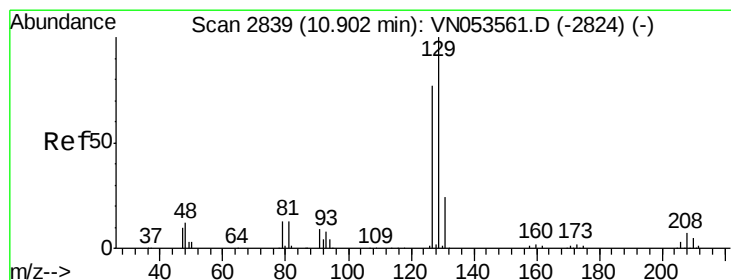
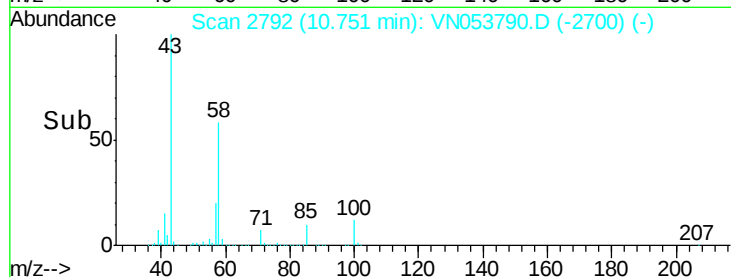
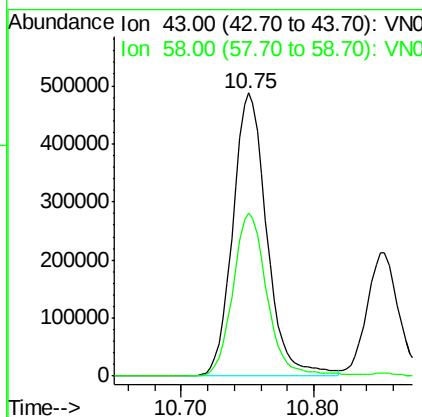
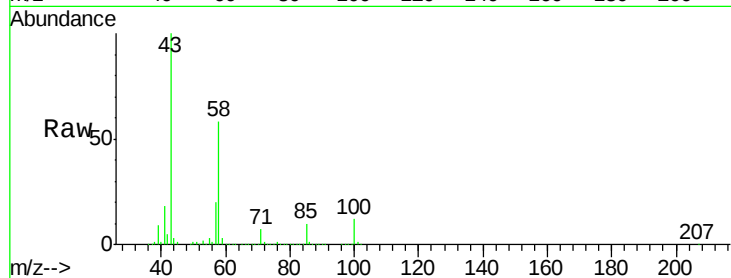
#59  
2-Hexanone  
Concen: 269.485 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 864382  
Ion Ratio Lower Upper  
43 100  
58 57.9 28.6 85.8

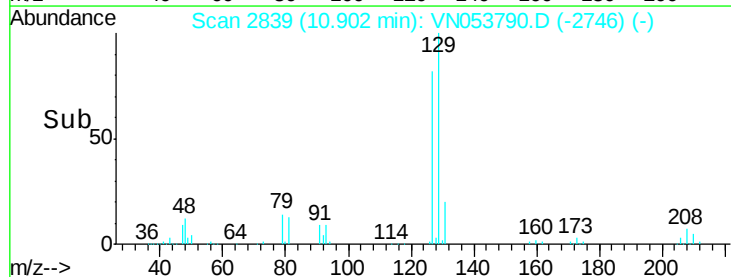
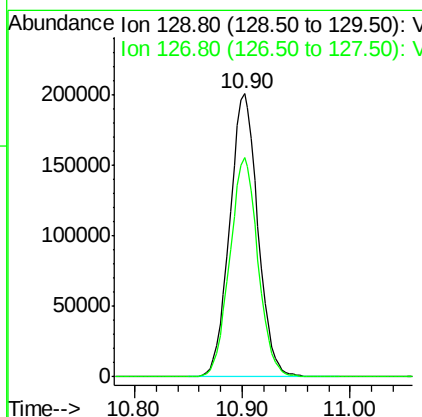
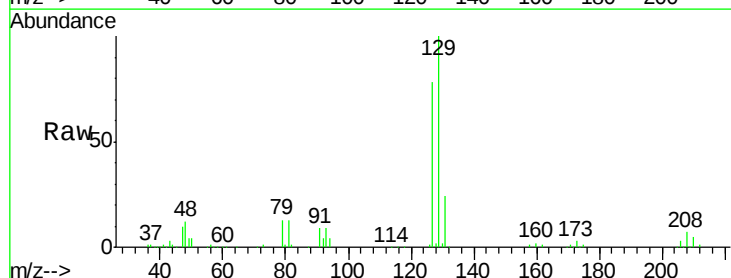
Manual Integrations  
APPROVED

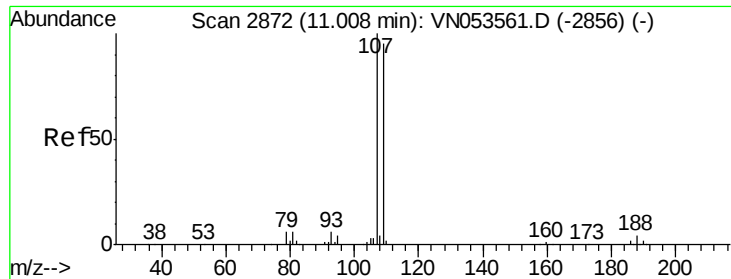
MMDadoda  
2/18/2019 9:48:00 AM



#60  
Dibromochloromethane  
Concen: 55.291 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Tgt Ion: 129 Resp: 366555  
Ion Ratio Lower Upper  
129 100  
127 77.3 38.6 115.8





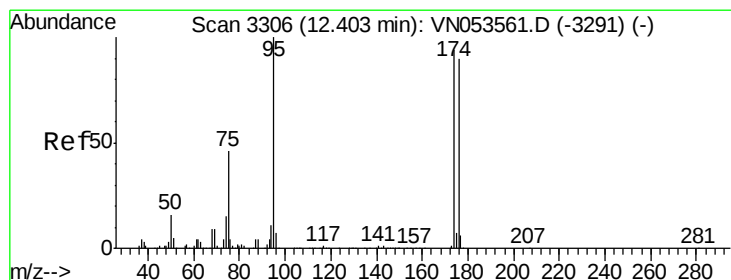
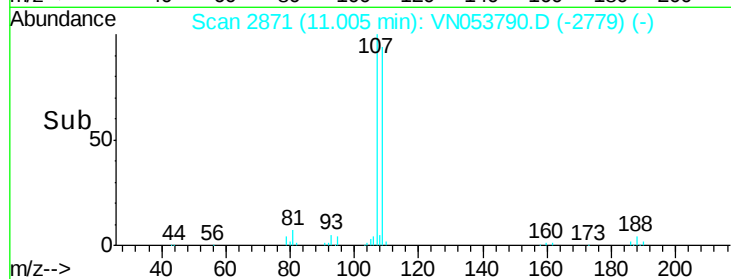
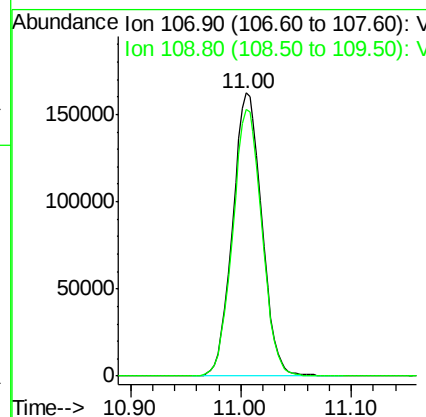
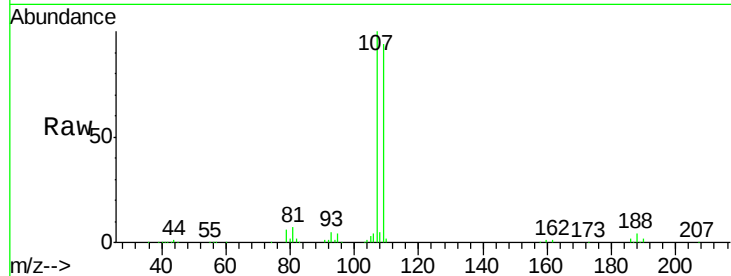
#61  
 1,2-Dibromoethane  
 Concen: 51.135 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. -0.00 min  
 Lab File: VN053790.D  
 Acq: 15 Feb 2019 10:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.5  | 75.7  | 113.5 |

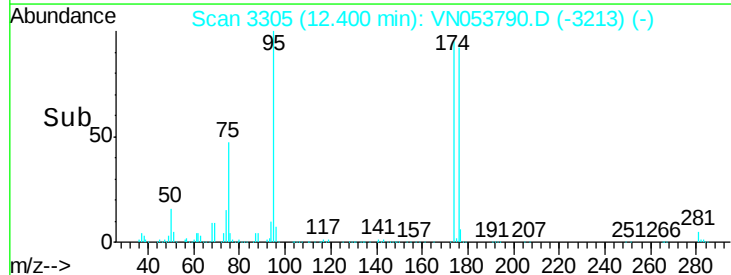
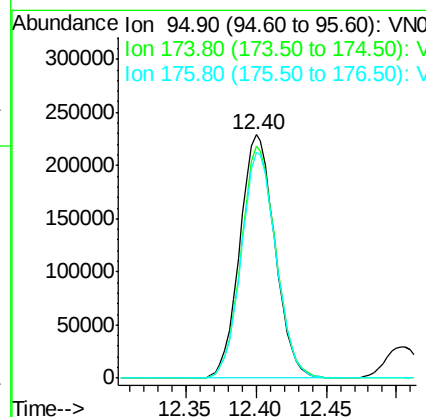
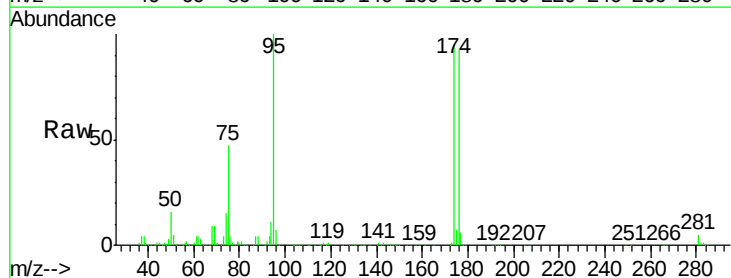
Manual Integrations  
 APPROVED

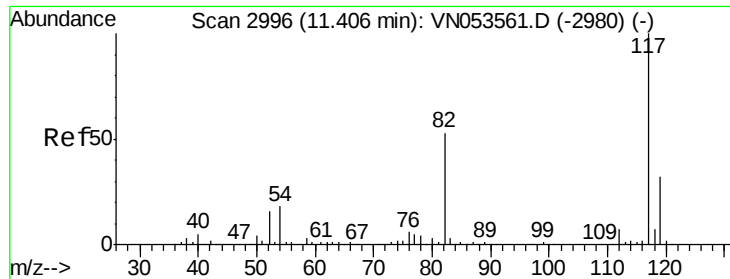
MMDadoda  
 2/18/2019 9:48:00 AM



#62  
 4-Bromofluorobenzene  
 Concen: 50.880 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. -0.00 min  
 Lab File: VN053790.D  
 Acq: 15 Feb 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 94.6  | 0.0   | 183.2 |
| 176     | 92.2  | 0.0   | 177.4 |





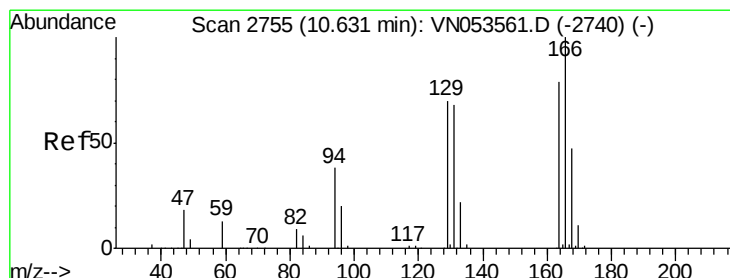
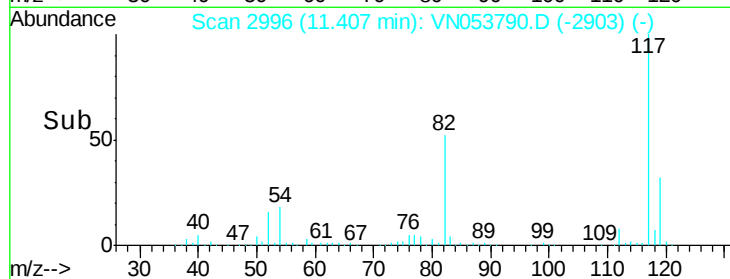
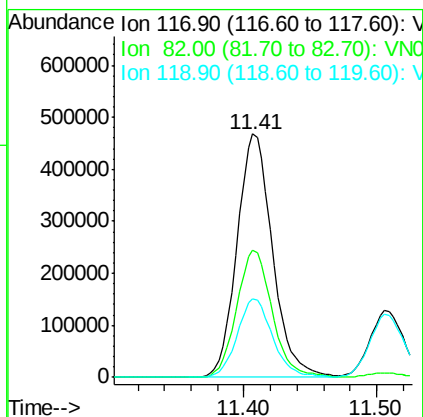
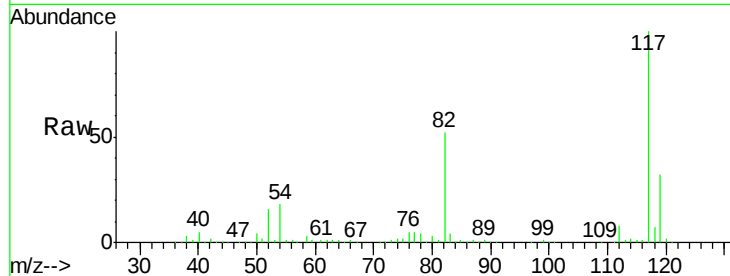
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.2  | 42.9  | 64.3  |
| 119     | 32.4  | 26.0  | 39.0  |

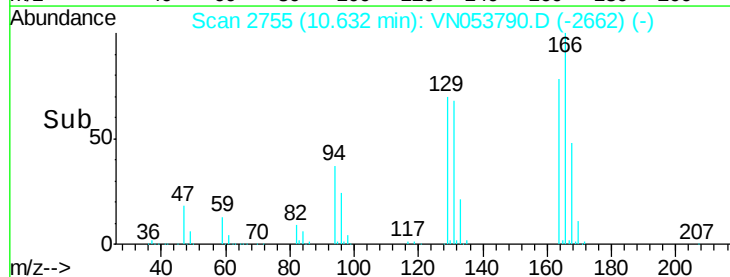
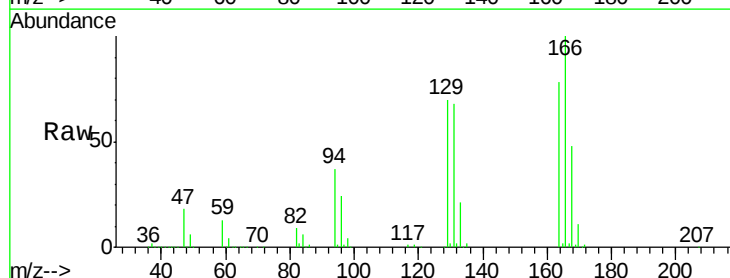
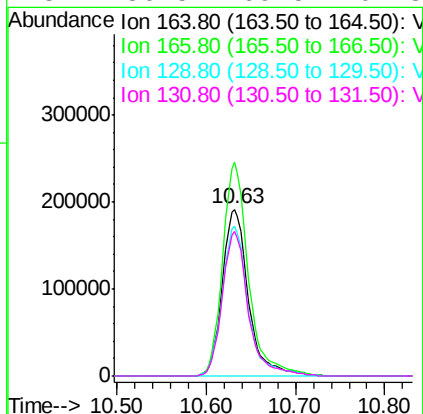
Manual Integrations  
APPROVED

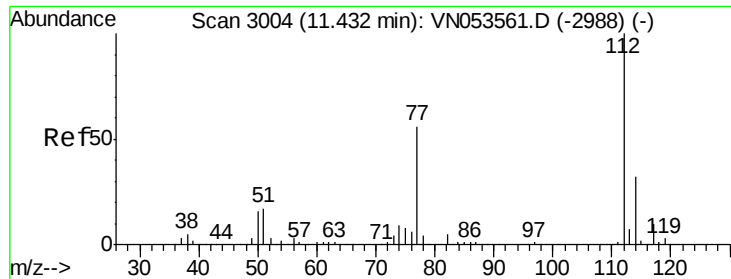
MMDadoda  
2/18/2019 9:48:00 AM



#64  
Tetrachloroethene  
Concen: 52.095 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.9 | 102.2 | 153.4 |
| 129     | 89.7  | 72.6  | 109.0 |
| 131     | 86.5  | 69.5  | 104.3 |





#65

Chlorobenzene

Concen: 48.569 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 898297

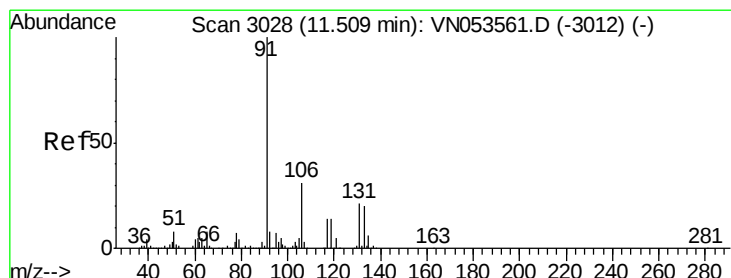
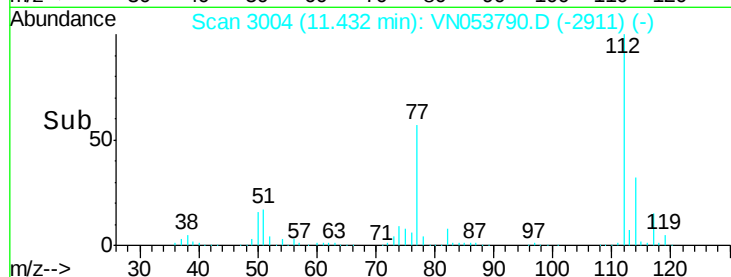
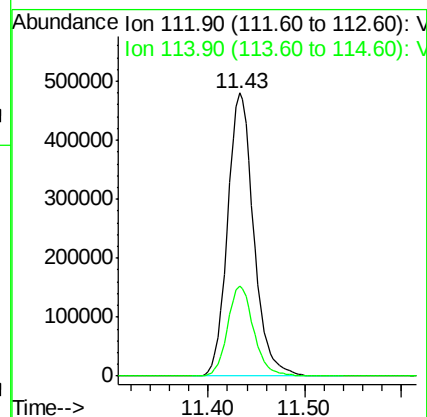
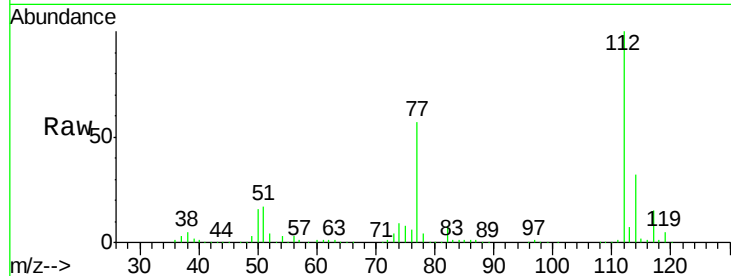
Ion Ratio Lower Upper

112 100

114 31.7 25.3 37.9

Manual Integrations  
APPROVED

MMDadoda  
2/18/2019 9:48:00 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 52.012 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

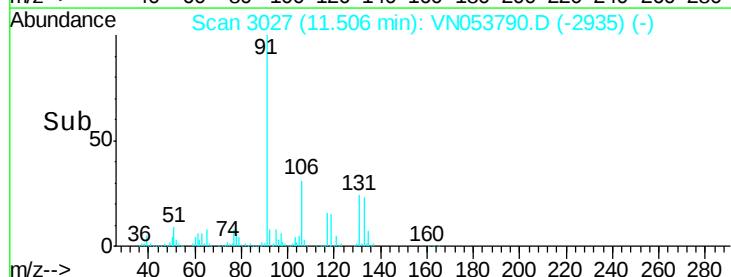
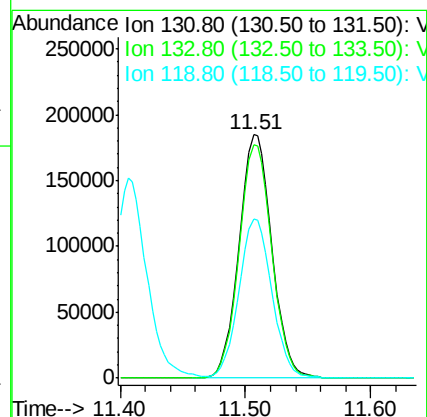
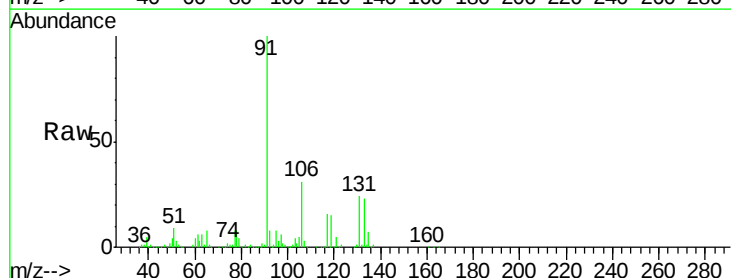
Tgt Ion:131 Resp: 335960

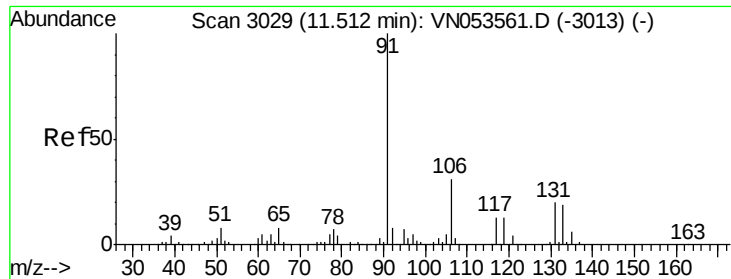
Ion Ratio Lower Upper

131 100

133 95.9 48.0 144.0

119 65.7 33.5 100.5





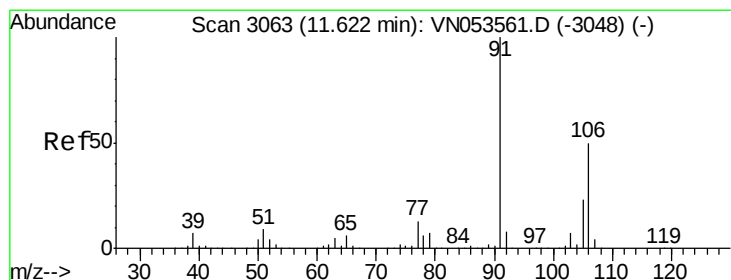
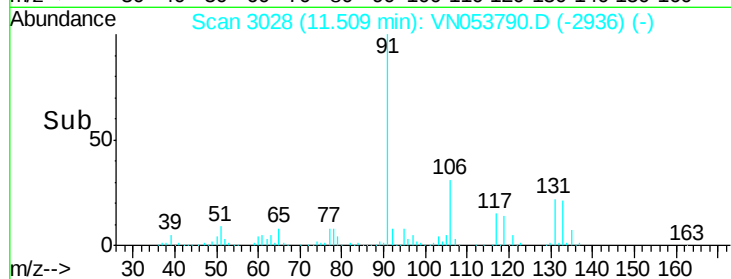
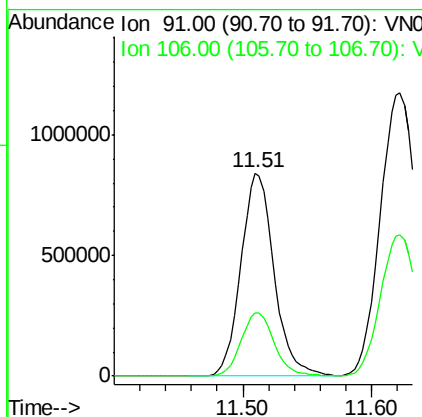
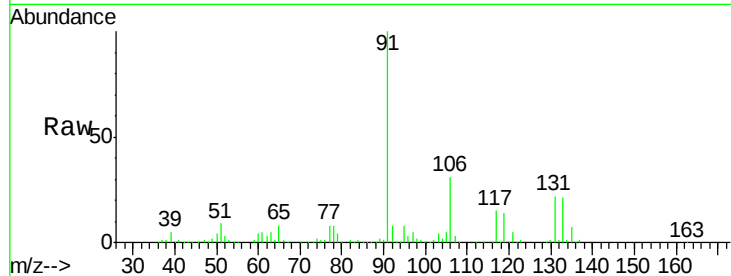
#67  
Ethyl Benzene  
Concen: 49.576 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 1506240  
Ion Ratio Lower Upper  
91 100  
106 31.3 25.0 37.6

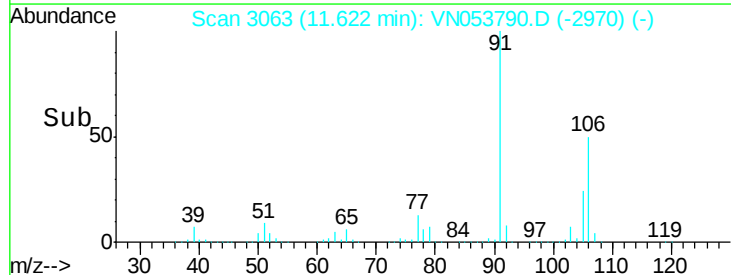
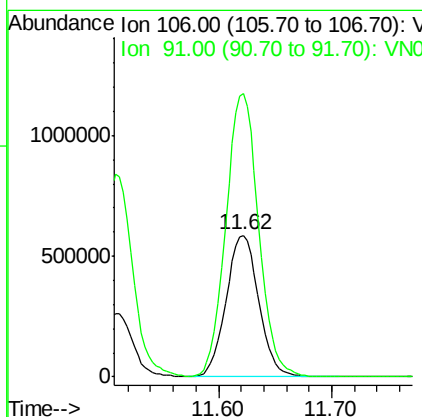
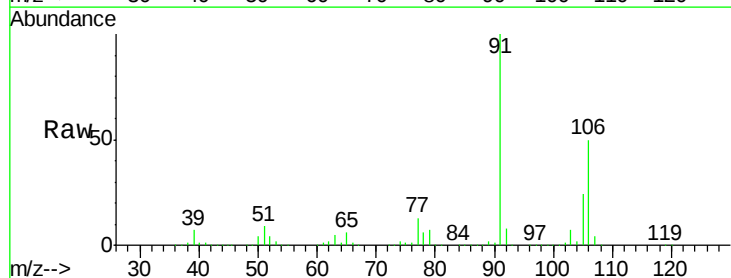
Manual Integrations  
APPROVED

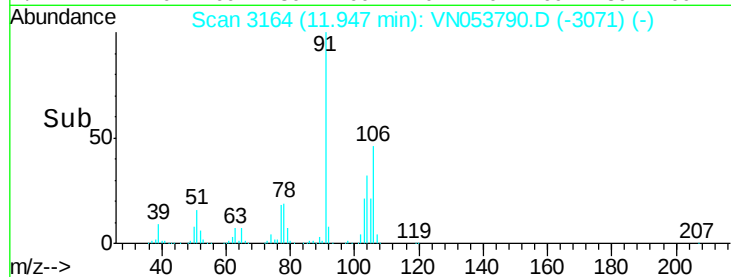
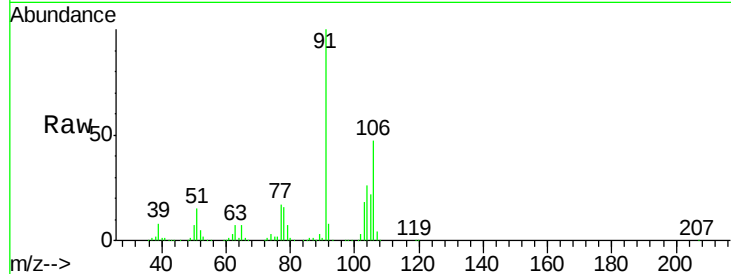
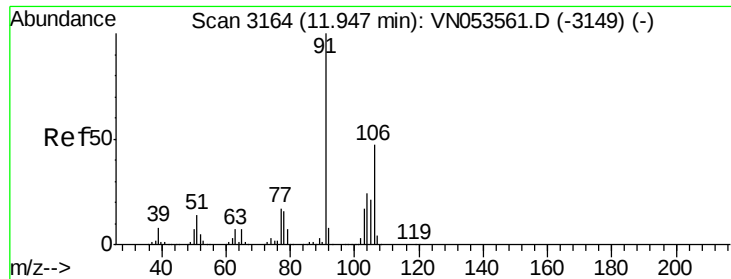
MMDadoda  
2/18/2019 9:48:00 AM



#68  
m/p-Xylenes  
Concen: 101.498 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Tgt Ion: 106 Resp: 1176948  
Ion Ratio Lower Upper  
106 100  
91 200.5 161.4 242.2





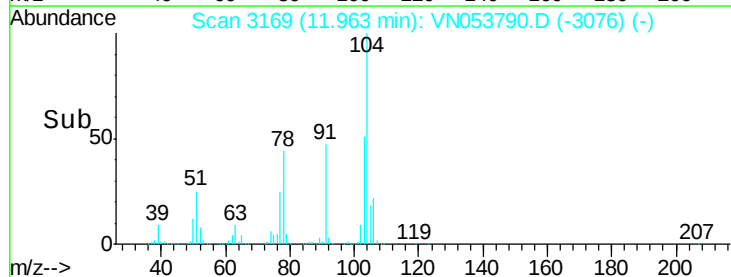
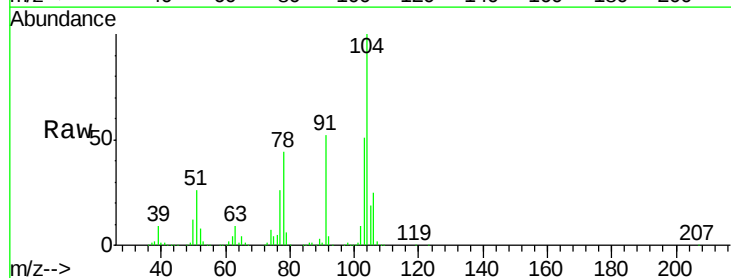
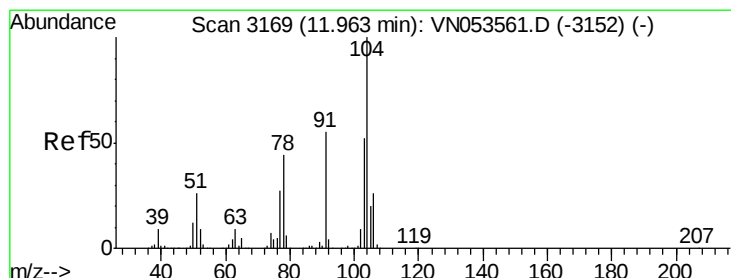
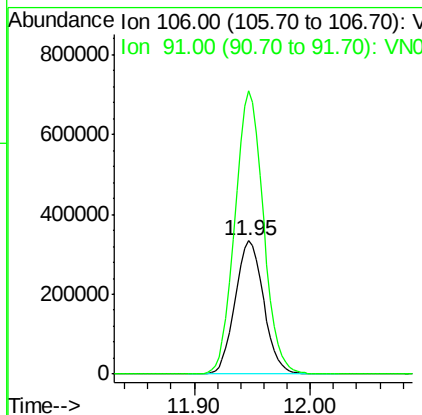
#69  
o-Xylene  
Concen: 50.850 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Tot Ion:106 Resp: 569648  
Ion Ratio Lower Upper  
106 100  
91 211.3 106.9 320.8

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

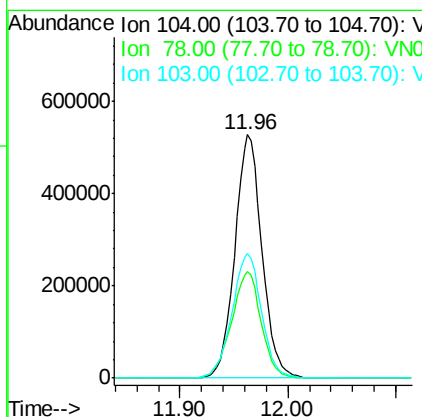
Manual Integrations  
APPROVED

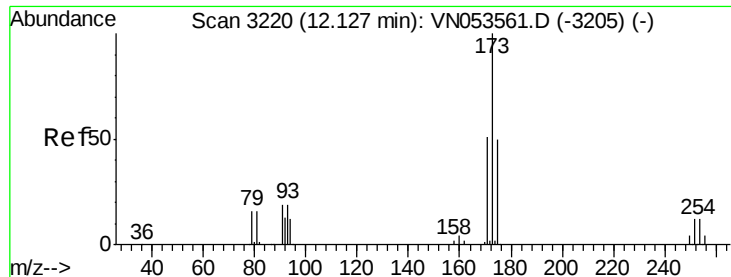
MMDadoda  
2/18/2019 9:48:00 AM



#70  
Styrene  
Concen: 50.831 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Tgt Ion:104 Resp: 922960  
Ion Ratio Lower Upper  
104 100  
78 48.0 38.2 57.2  
103 56.0 44.4 66.6





#71

Bromoform

Concen: 53.568 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

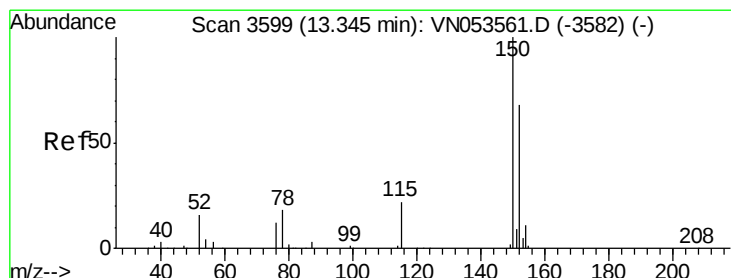
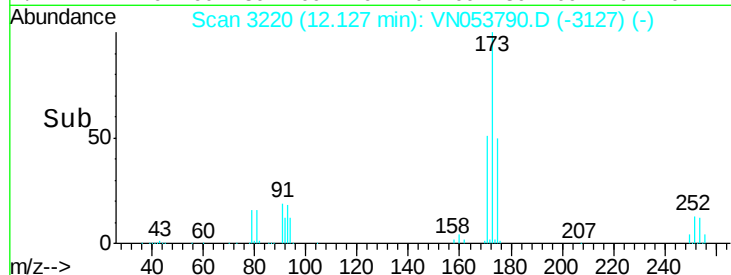
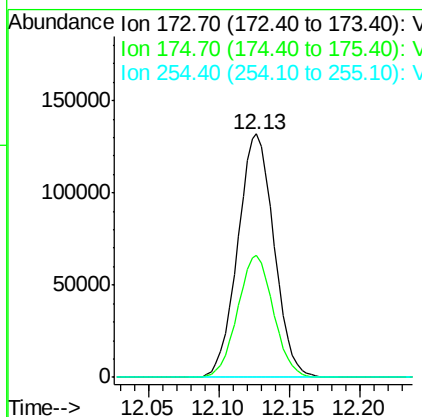
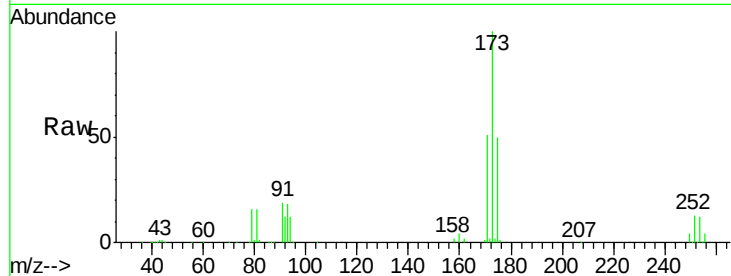
ClientSampleId :

VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.4  | 24.6  | 74.0  |
| 254     | 0.1   | 0.2   | 0.2   |

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2/18/2019 9:48:00 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

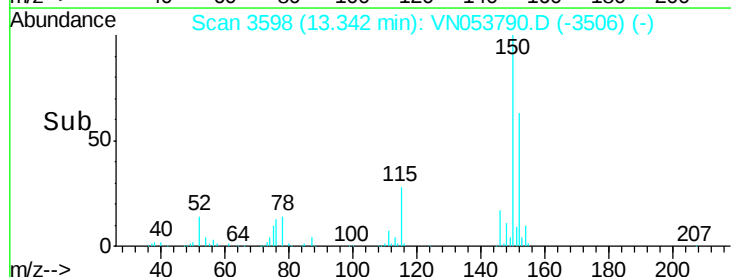
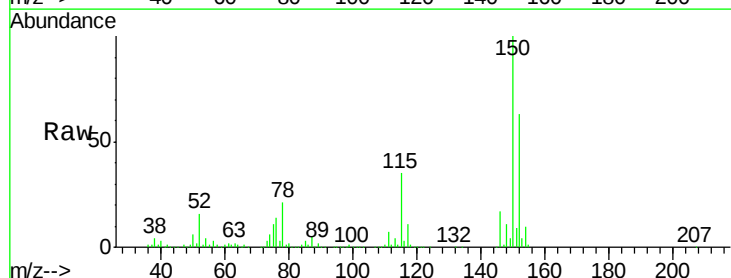
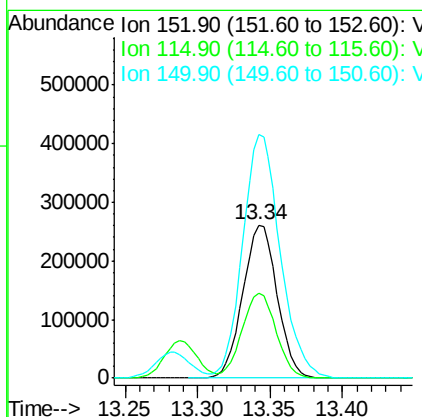
RT: 13.34 min Scan# 3598

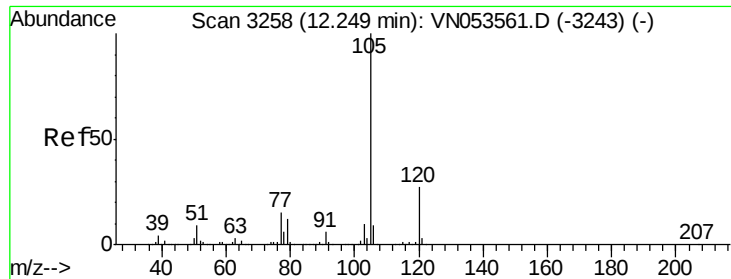
Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.0  | 27.8  | 83.4  |
| 150     | 173.2 | 0.0   | 349.0 |





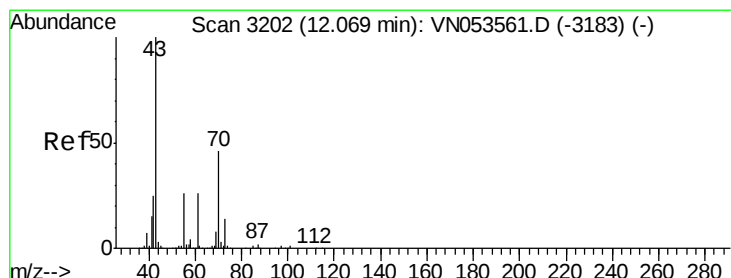
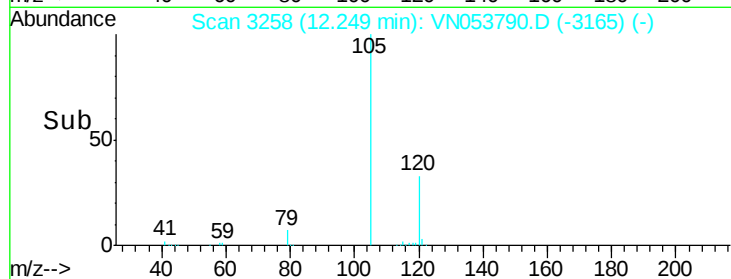
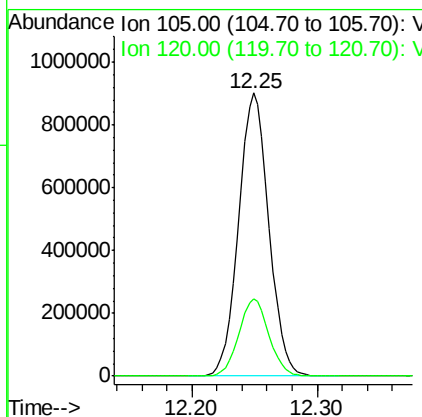
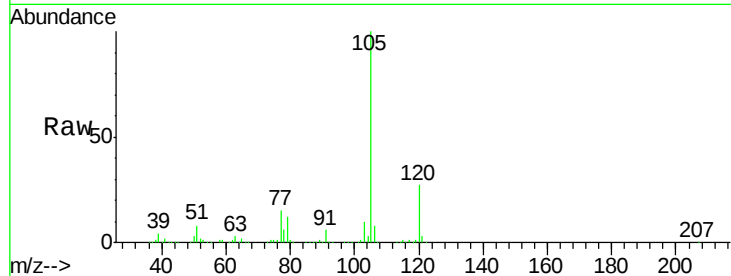
#73  
Isopropylbenzene  
Concen: 49.580 ug/l  
RT: 12.25 min Scan# 3258  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 105 Resp: 1506185  
Ion Ratio Lower Upper  
105 100  
120 27.2 13.6 40.7

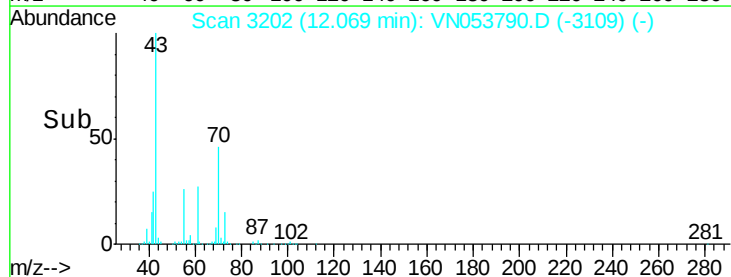
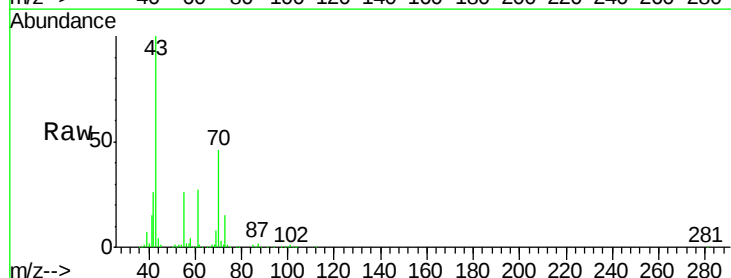
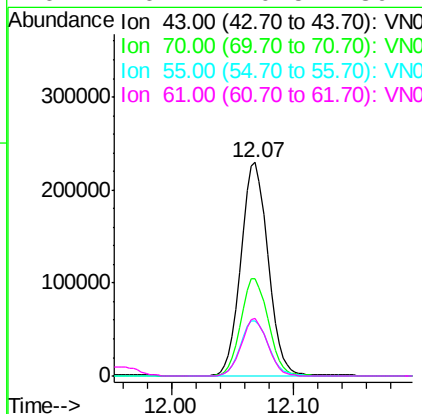
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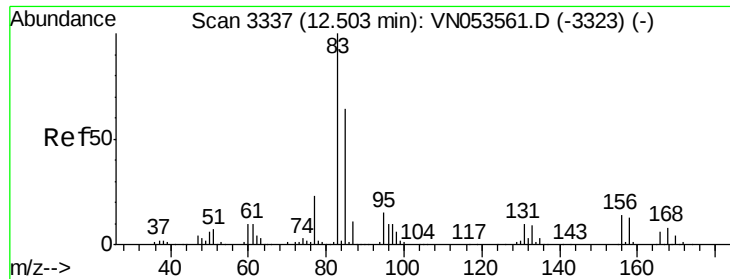
MMDadoda  
2/18/2019 9:48:00 AM



#74  
N-ethyl acetate  
Concen: 48.152 ug/l  
RT: 12.07 min Scan# 3202  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Tgt Ion: 43 Resp: 351753  
Ion Ratio Lower Upper  
43 100  
70 46.4 35.4 53.2  
55 26.8 20.9 31.3  
61 26.2 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 47.201 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

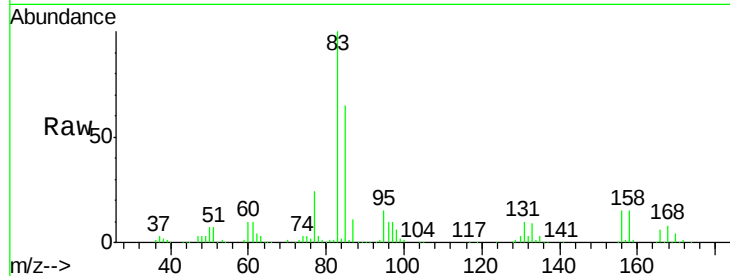
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 343171 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.8  | 5.3   | 15.8   |
| 85        | 64.9  | 32.1  | 96.3   |

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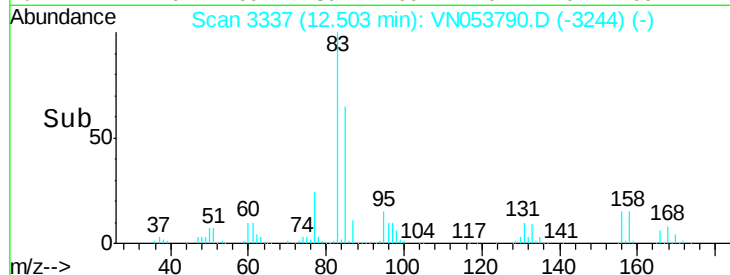


Abundance Ion 82.90 (82.60 to 83.60): VN053790.D (-3244) (-)

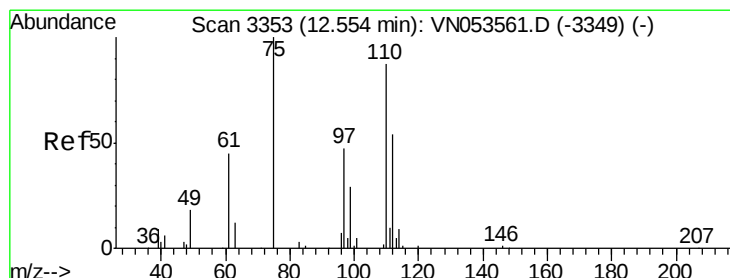
Ion 130.80 (130.50 to 131.50): VN053790.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053790.D (-3244) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 49.966 ug/l m

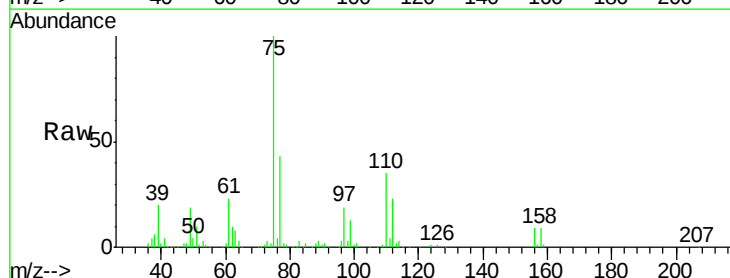
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

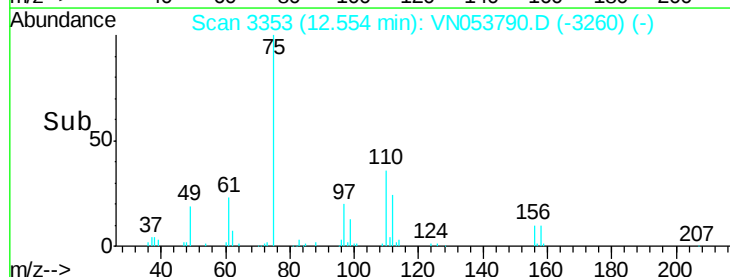
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 277343 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |



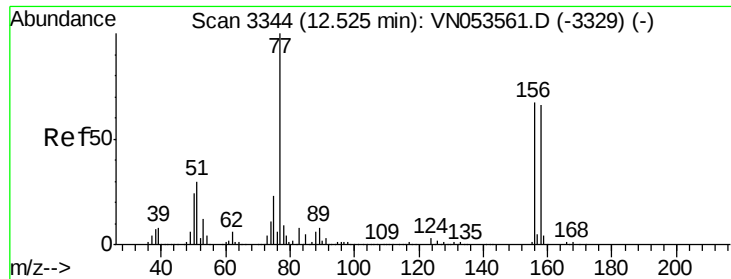
Abundance Ion 74.90 (74.60 to 75.60): VN053790.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053790.D (-3260) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 48.524 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

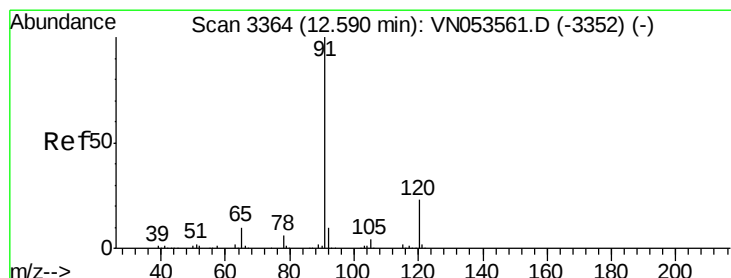
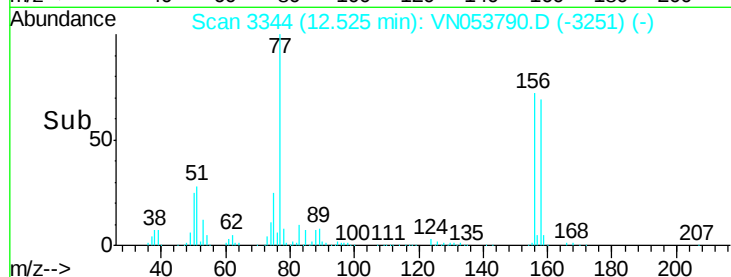
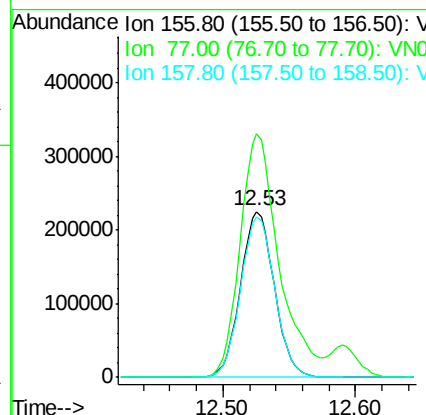
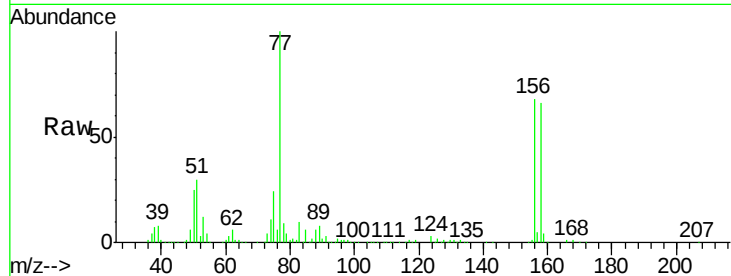
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 397284 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 169.6 | 87.9  | 263.8  |
| 158       | 98.0  | 48.8  | 146.4  |

Manual Integrations  
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#78

n-propylbenzene

Concen: 50.281 ug/l

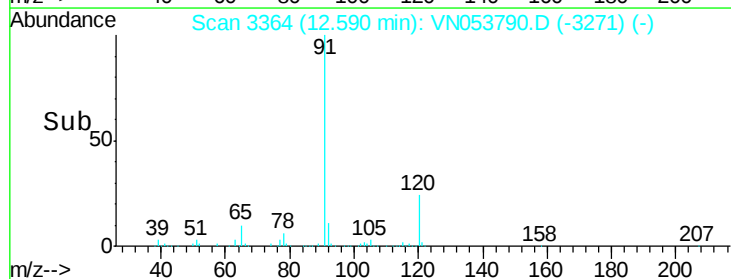
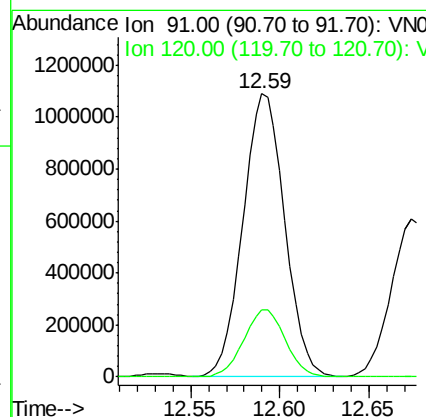
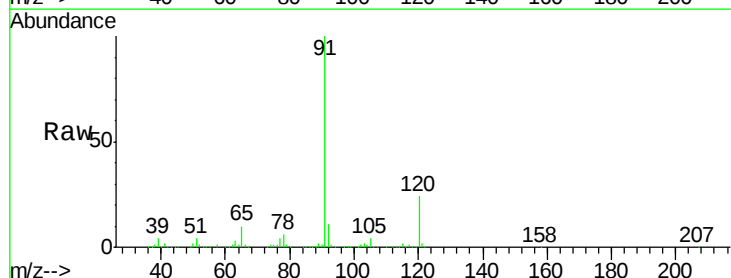
RT: 12.59 min Scan# 3364

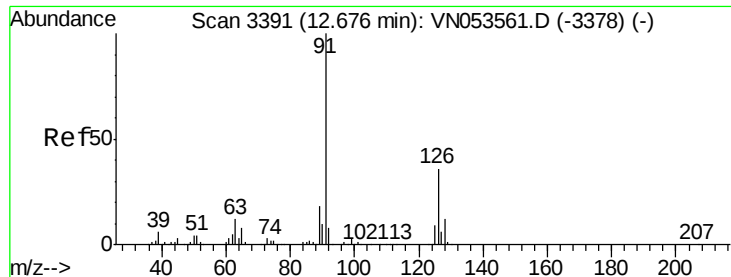
Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1765793 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 23.7  | 11.9  | 35.5    |





#79

2-Chlorotoluene

Concen: 49.251 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1026146

Ion Ratio Lower Upper

91 100

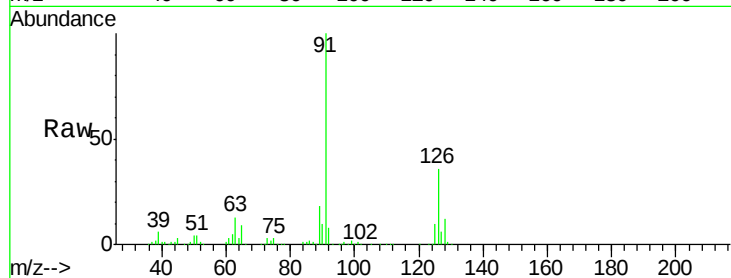
126 36.0 17.9 53.7

Manual Integrations

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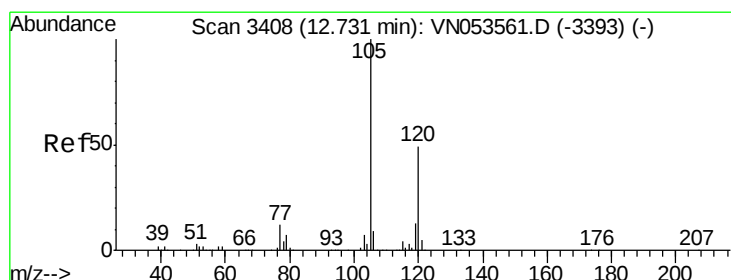
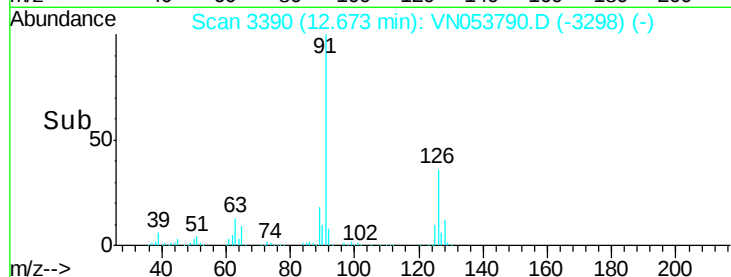
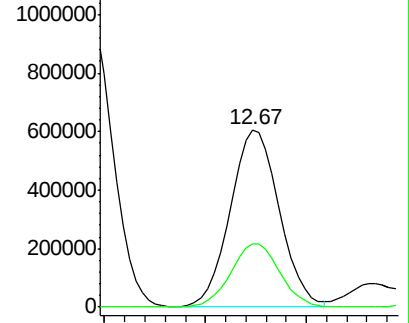
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN053790.D (-3298) (-)

Ion 125.90 (125.60 to 126.60): VN053790.D (-3298) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.425 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053790.D

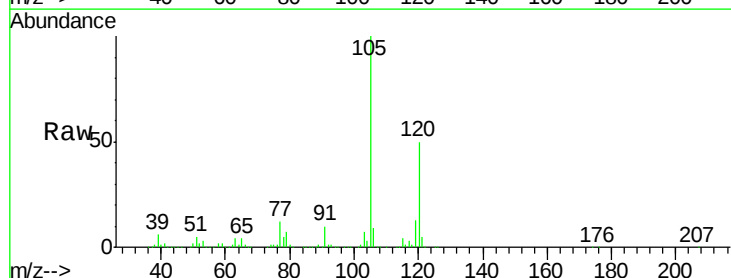
Acq: 15 Feb 2019 10:28

Tgt Ion: 105 Resp: 1295486

Ion Ratio Lower Upper

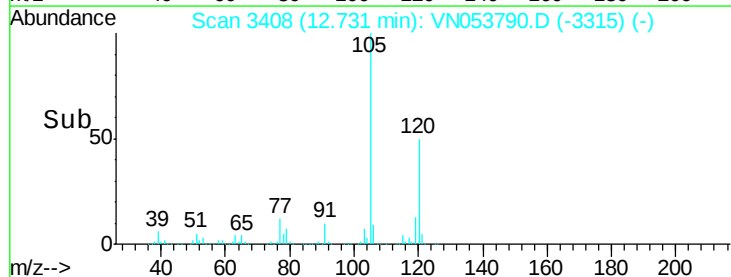
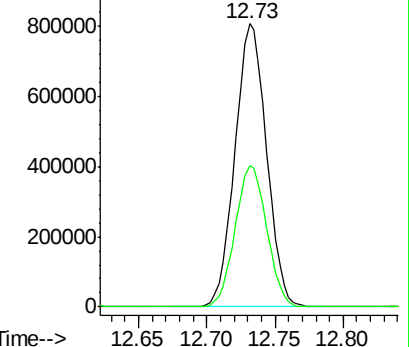
105 100

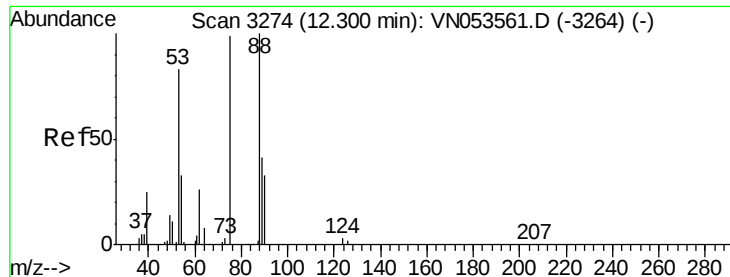
120 50.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053790.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN053790.D (-3315) (-)





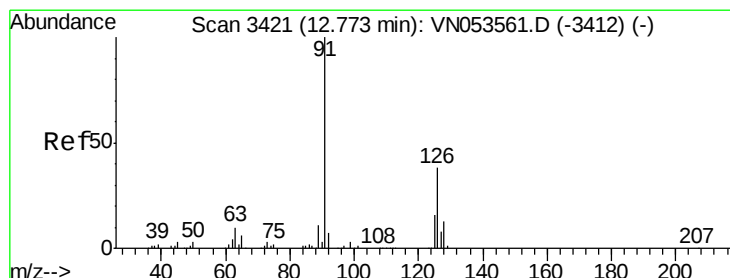
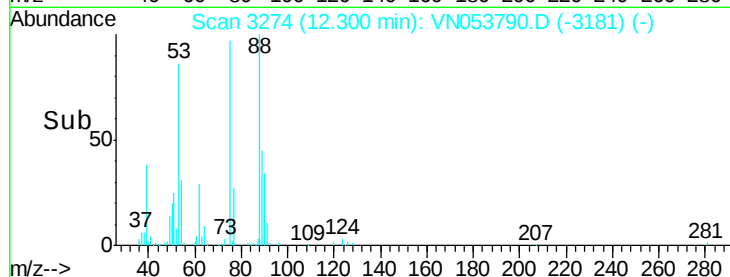
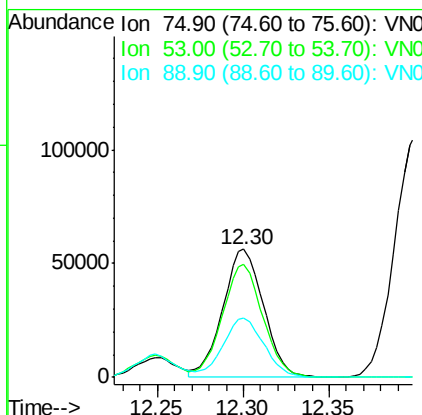
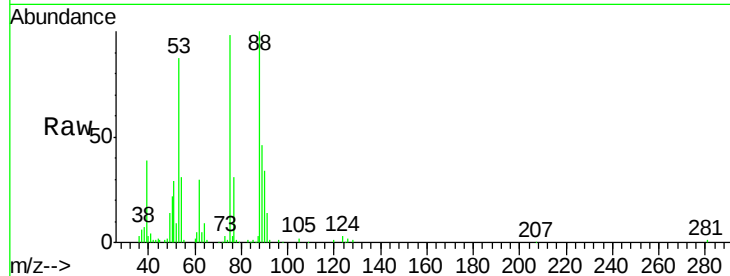
#81  
trans-1,4-Dichloro-2-butene  
Concen: 47.297 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 88.0  | 69.8  | 104.6 |
| 89      | 46.3  | 35.6  | 53.4  |

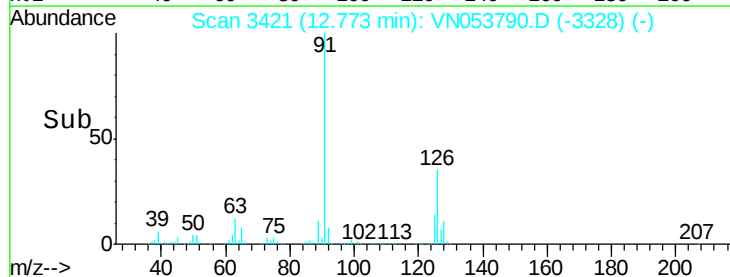
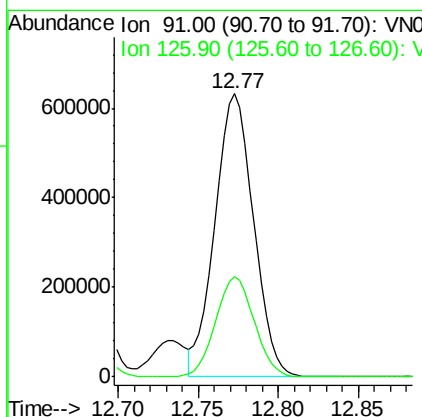
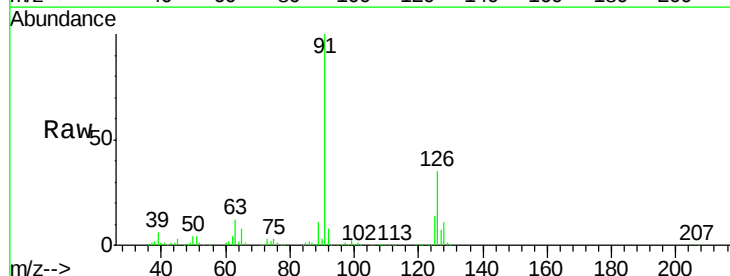
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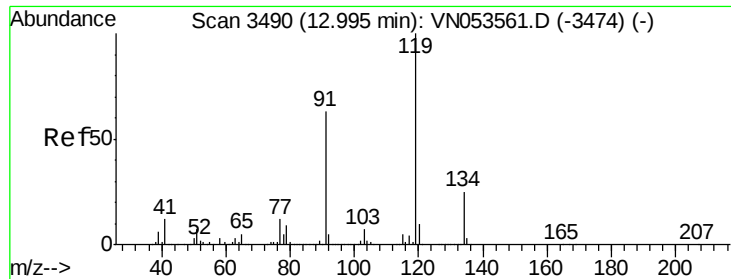
MMDadoda  
2/18/2019 9:48:00 AM



#82  
4-Chlorotoluene  
Concen: 49.079 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.4  | 17.6  | 52.9  |





#83

tert-Butylbenzene

Concen: 50.435 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

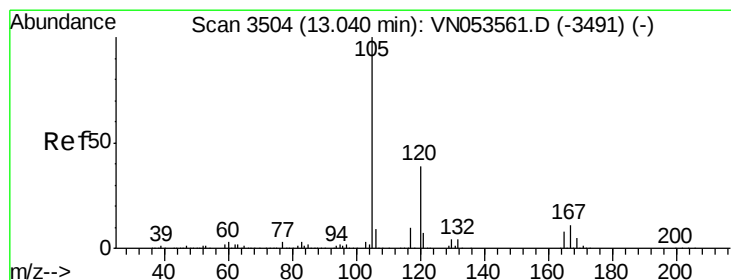
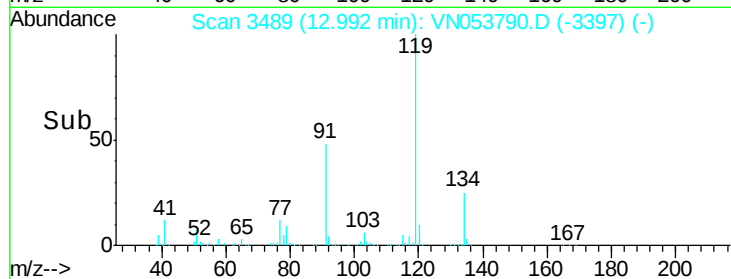
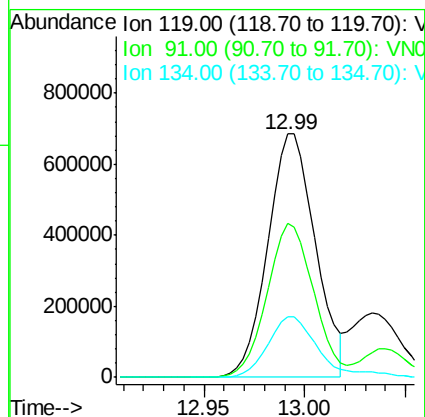
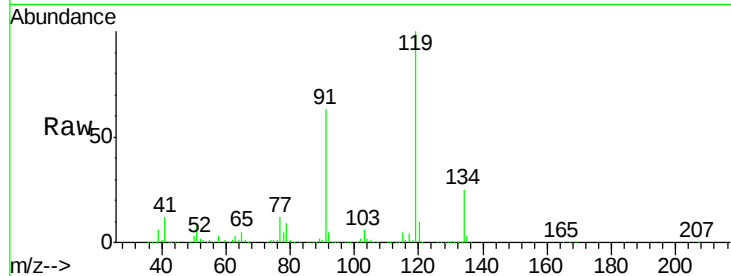
ClientSampleId :

VSTDCCC050

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 119   | Resp: | 1122918 |
| Ion      | Ratio | Lower | Upper   |
| 119      | 100   |       |         |
| 91       | 61.9  | 31.3  | 93.8    |
| 134      | 26.5  | 12.9  | 38.7    |

Manual Integrations  
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2/18/2019 9:48:00 AM



#84

1,2,4-Trimethylbenzene

Concen: 51.069 ug/l

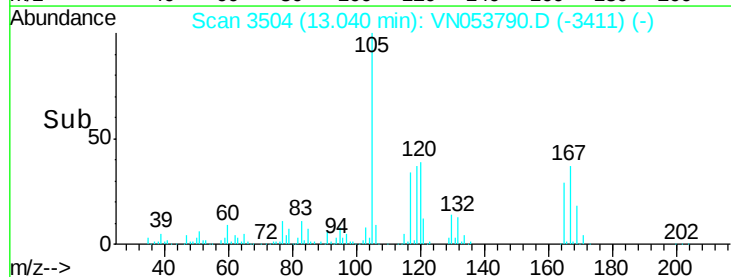
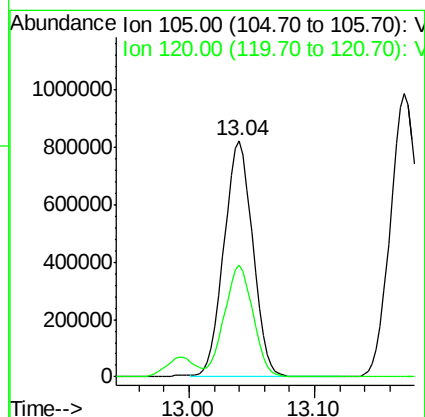
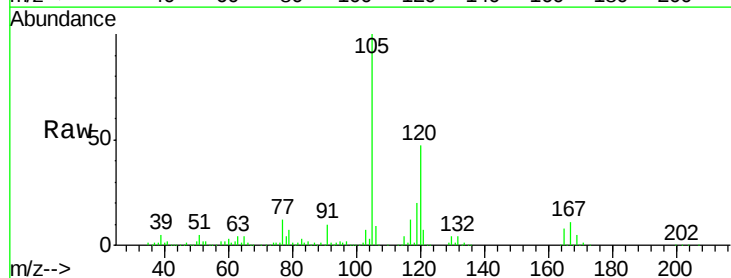
RT: 13.04 min Scan# 3504

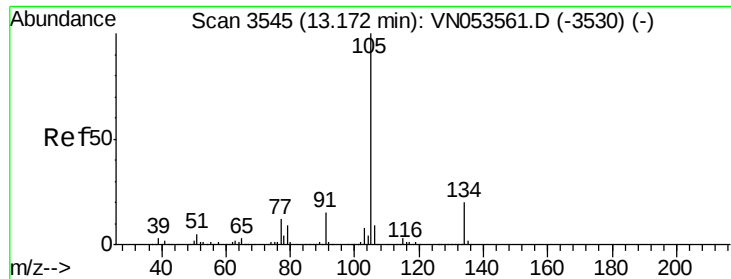
Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 105   | Resp: | 1310707 |
| Ion      | Ratio | Lower | Upper   |
| 105      | 100   |       |         |
| 120      | 47.0  | 23.0  | 69.0    |





#85

sec-Butylbenzene

Concen: 51.953 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1574070

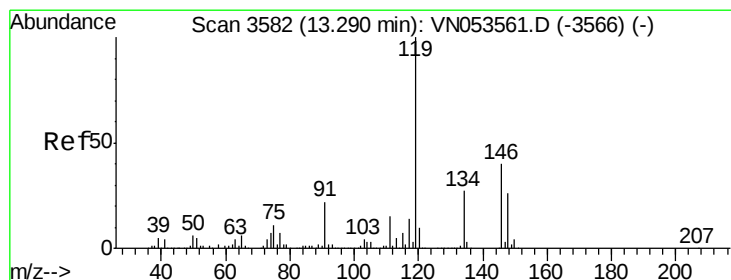
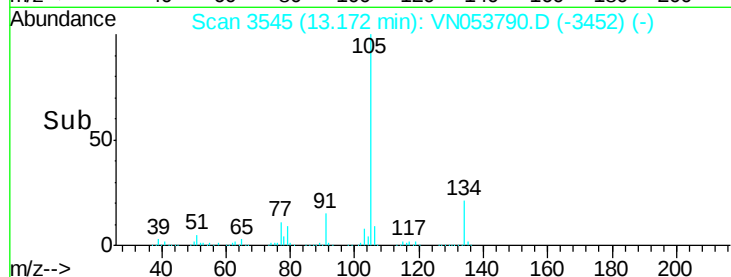
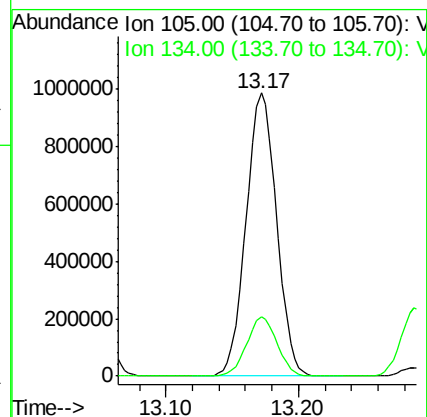
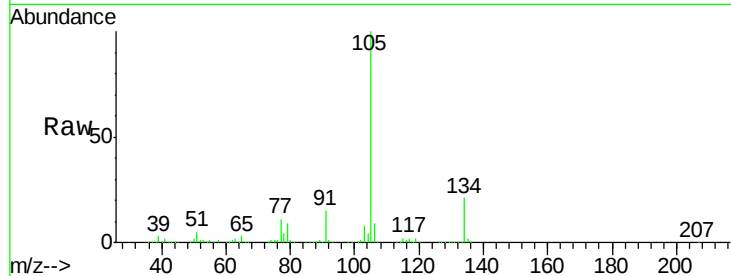
Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.6

Manual Integrations  
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2/18/2019 9:48:00 AM



#86

p-Isopropyltoluene

Concen: 52.315 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

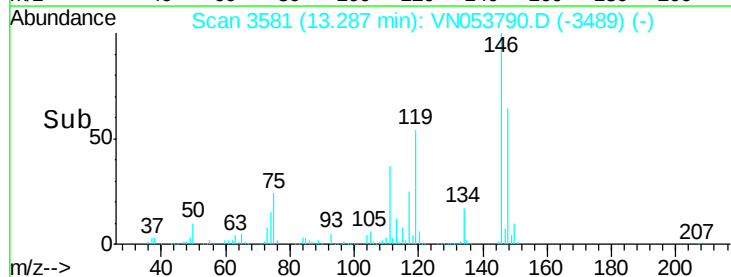
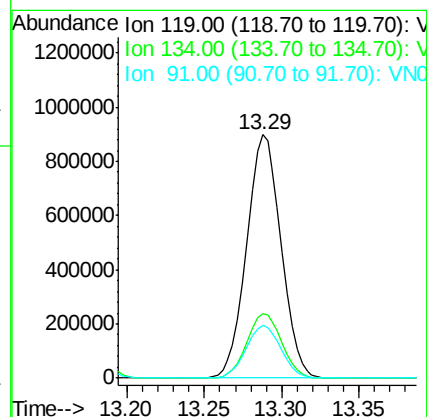
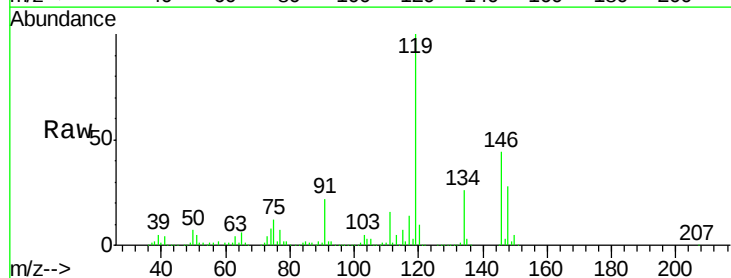
Tgt Ion:119 Resp: 1386260

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 21.9 11.0 33.0





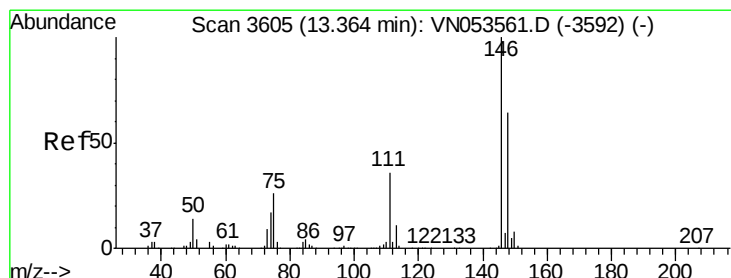
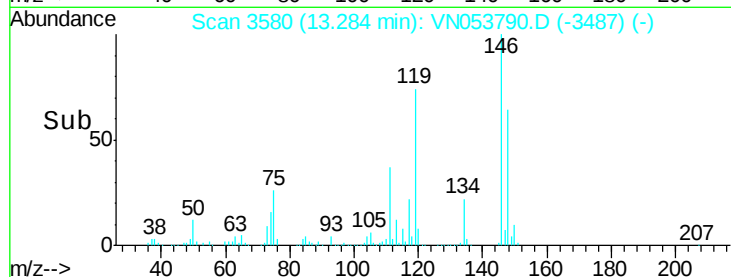
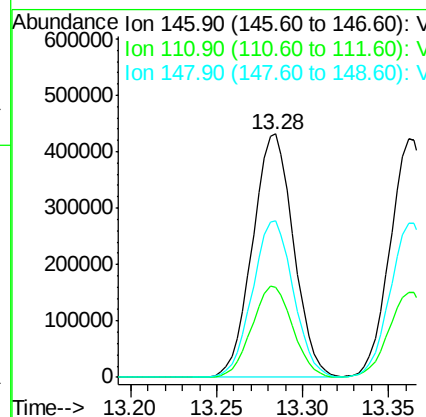
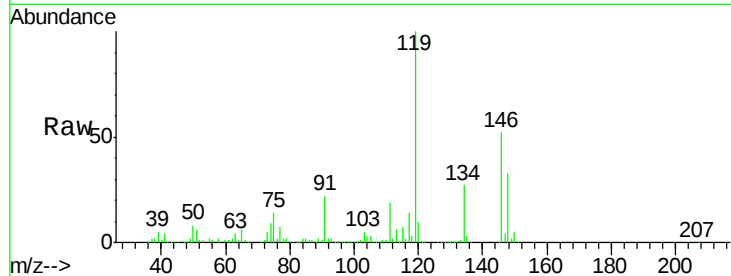
#87  
 1,3-Dichlorobenzene  
 Concen: 48.654 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN053790.D  
 Acq: 15 Feb 2019 10:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 716089 |       |       |
| 111     | 37.3  | 18.8   | 56.3  |       |
| 148     | 64.1  | 32.0   | 96.2  |       |

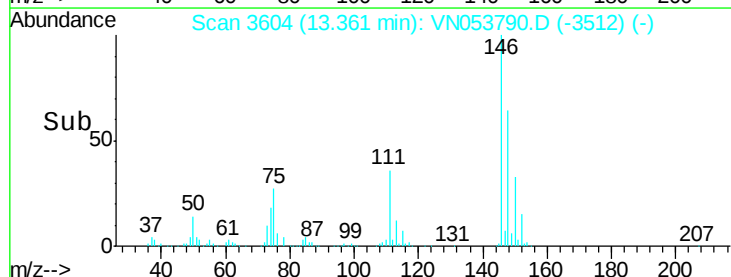
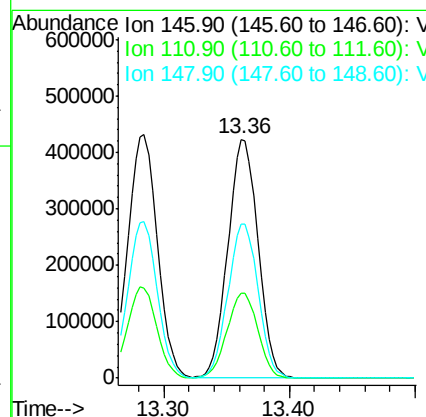
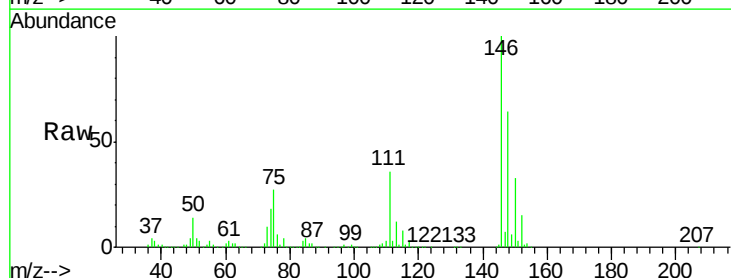
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#88  
 1,4-Dichlorobenzene  
 Concen: 48.517 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. -0.00 min  
 Lab File: VN053790.D  
 Acq: 15 Feb 2019 10:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 706360 |       |       |
| 111     | 36.3  | 18.6   | 55.8  |       |
| 148     | 64.6  | 32.4   | 97.0  |       |





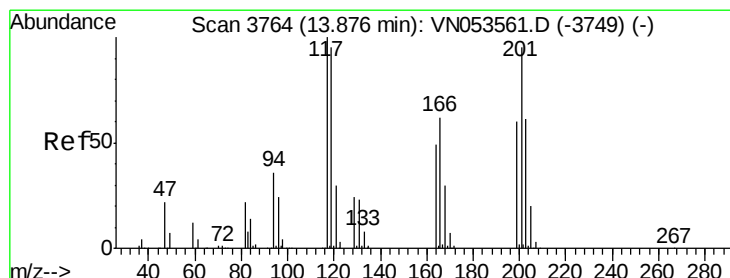
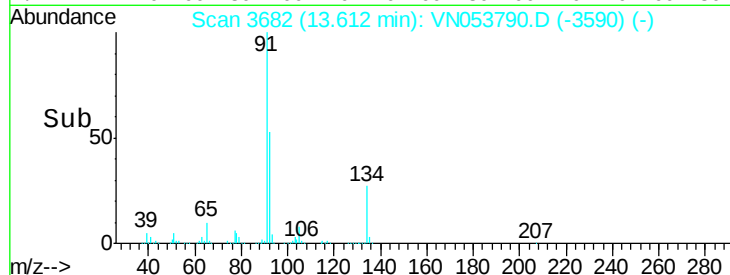
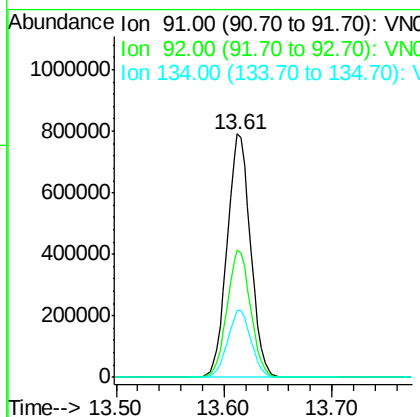
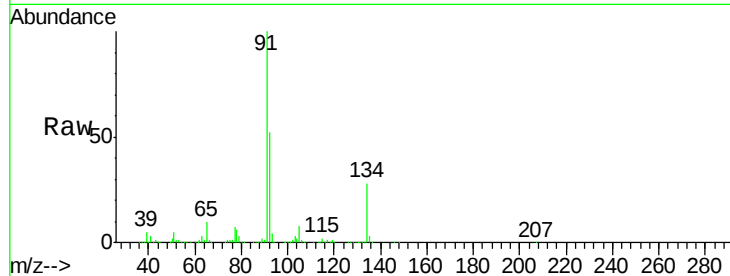
#89  
n-Butylbenzene  
Concen: 52.024 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. -0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 1193215  
Ion Ratio Lower Upper  
91 100  
92 52.3 26.3 78.8  
134 27.5 13.5 40.5

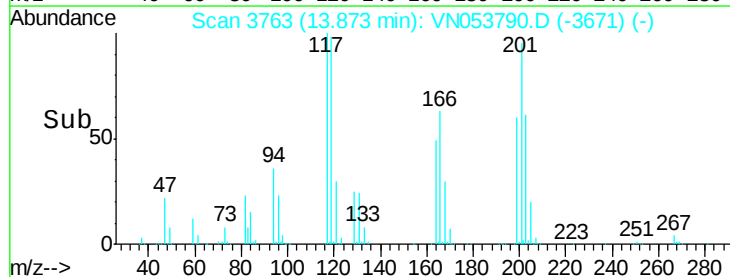
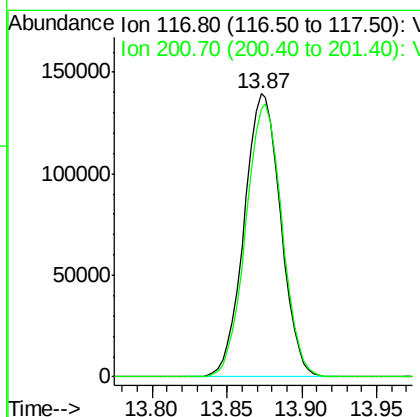
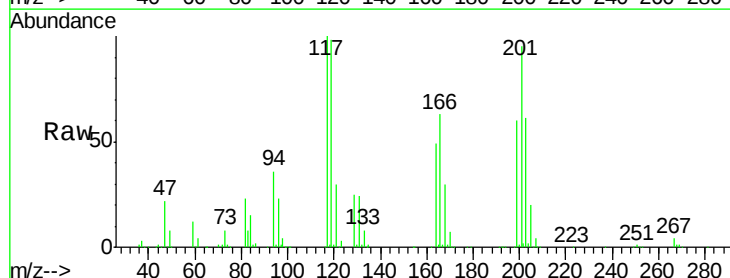
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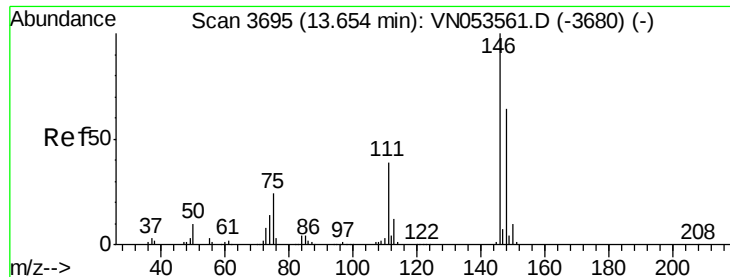
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#90  
Hexachloroethane  
Concen: 54.183 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. -0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Tgt Ion: 117 Resp: 236825  
Ion Ratio Lower Upper  
117 100  
201 95.7 46.8 140.4





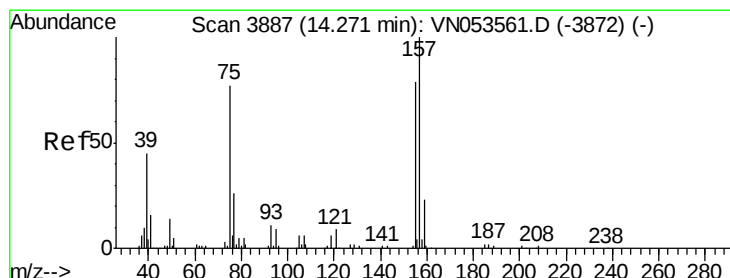
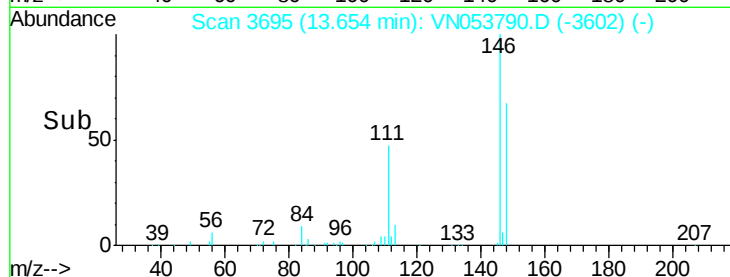
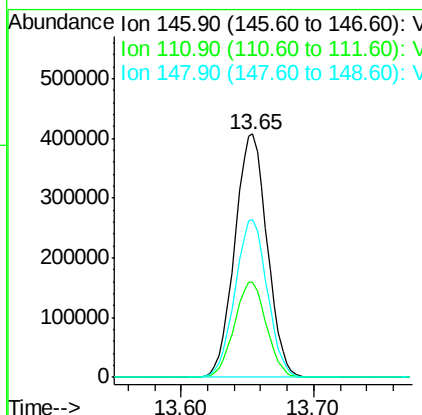
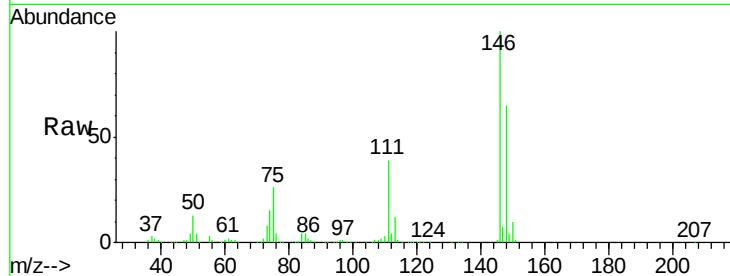
#91  
 1,2-Dichlorobenzene  
 Concen: 48.970 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN053790.D  
 Acq: 15 Feb 2019 10:28

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.8  | 19.5  | 58.5  |
| 148     | 64.5  | 31.9  | 95.9  |

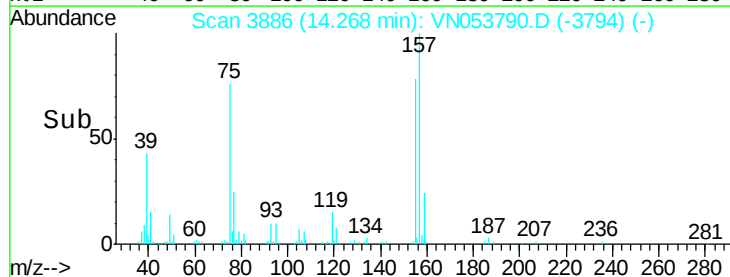
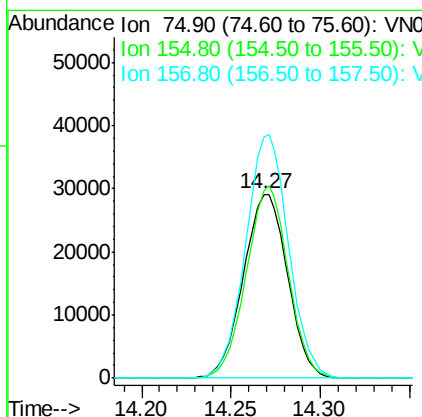
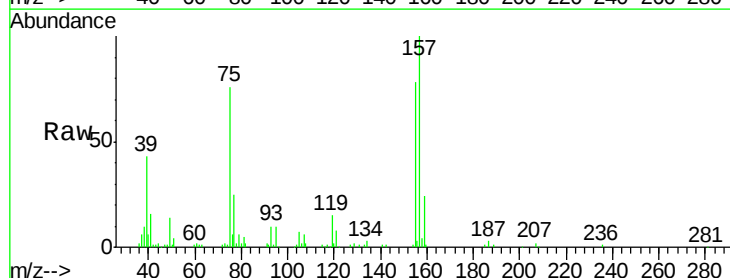
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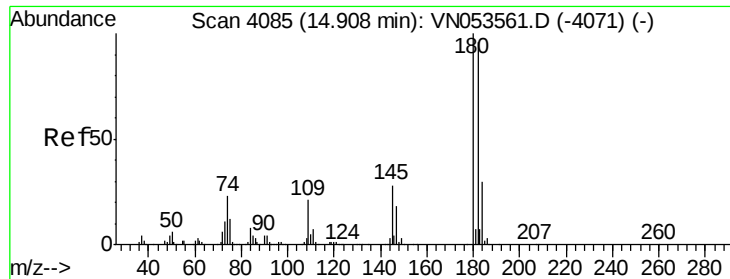
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 48.699 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. -0.00 min  
 Lab File: VN053790.D  
 Acq: 15 Feb 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 99.0  | 48.9  | 146.7 |
| 157     | 128.8 | 63.7  | 191.3 |





#93

1,2,4-Trichlorobenzene

Concen: 50.963 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

Instrument :

MSVOA\_N

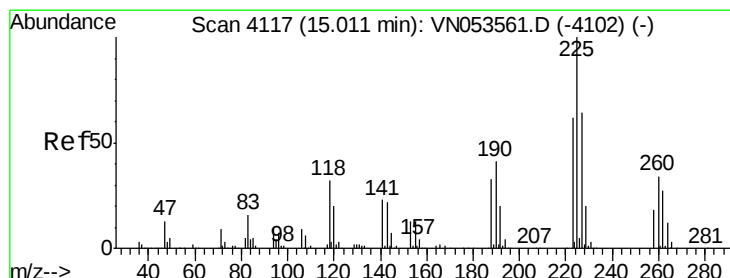
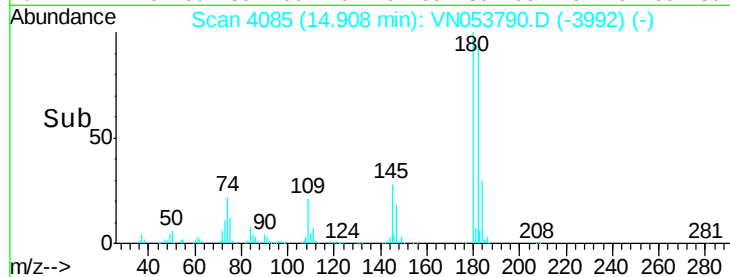
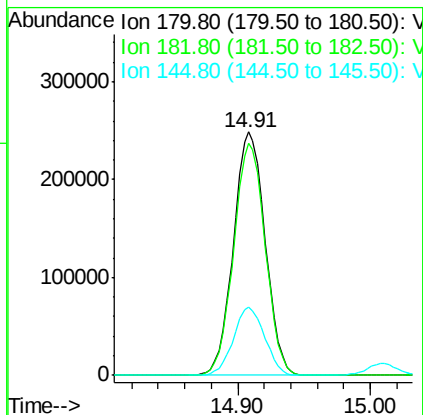
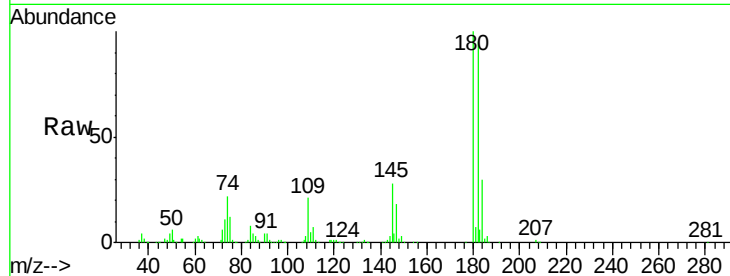
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 411841 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.9  | 48.1  | 144.3  |
| 145       | 27.7  | 13.9  | 41.6   |

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#94

Hexachlorobutadiene

Concen: 52.881 ug/l

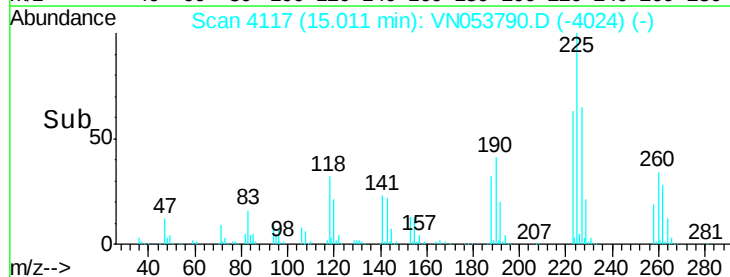
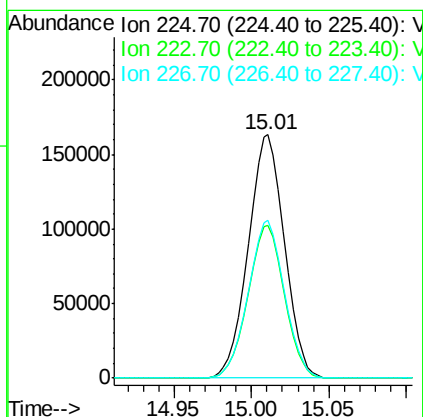
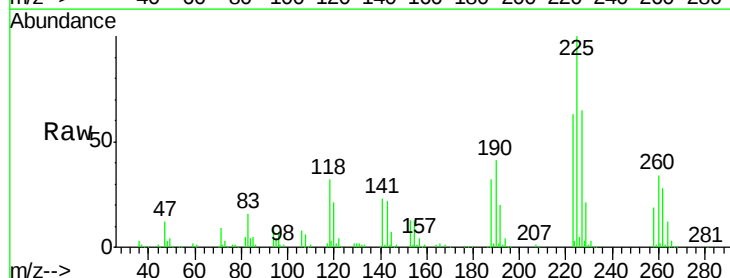
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053790.D

Acq: 15 Feb 2019 10:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 266130 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 63.1  | 31.1  | 93.2   |
| 227       | 64.5  | 32.0  | 96.2   |





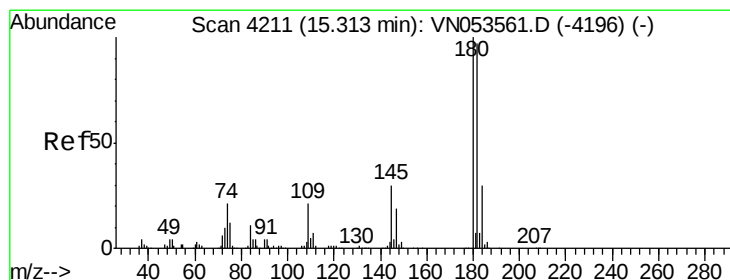
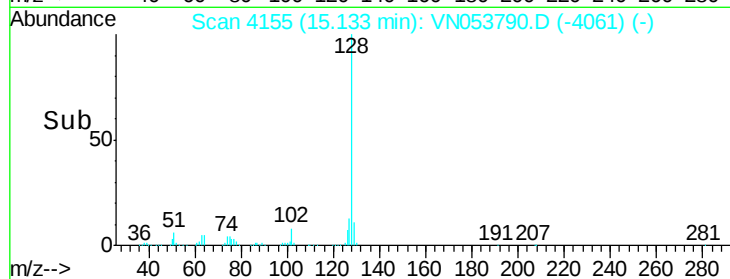
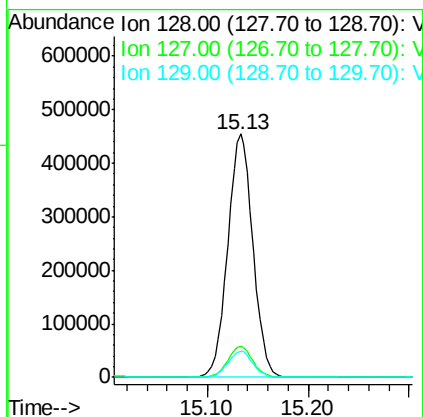
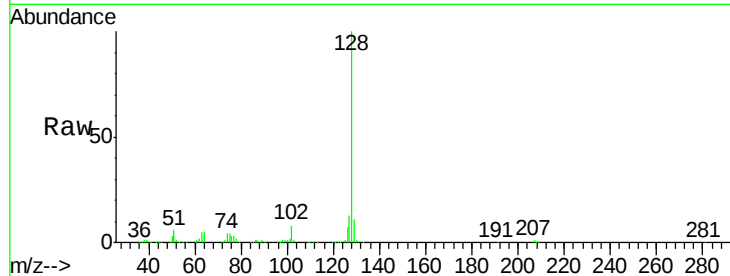
#95  
Naphthalene  
Concen: 41.857 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.8  | 10.3  | 15.5  |
| 129     | 10.8  | 8.6   | 13.0  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 50.602 ug/l  
RT: 15.31 min Scan# 4211  
Delta R.T. 0.00 min  
Lab File: VN053790.D  
Acq: 15 Feb 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.3  | 47.9  | 143.8 |
| 145     | 29.7  | 14.7  | 44.1  |

