

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\  
 Data File : VN050558.D  
 Acq On : 13 Aug 2018 10:48  
 Operator : MD\SY  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 8/14/2018 12:50:43 PM

Quant Time: Aug 14 01:11:26 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080618W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 05:22:15 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 666041   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 943131   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 888155   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 459450   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 391225   | 43.96 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 87.92% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 364726   | 48.20 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.40% |      |
| 50) Toluene-d8            | 10.09  | 98  | 1355915  | 47.65 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.30% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 462745   | 47.72 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.44% |      |

## Target Compounds

|                               |      |     |         |        |      | Qvalue |
|-------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 310331  | 41.97  | ug/l | 100    |
| 3) Chloromethane              | 2.06 | 50  | 398249  | 45.45  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.18 | 62  | 408485  | 42.68  | ug/l | 97     |
| 5) Bromomethane               | 2.56 | 94  | 225326  | 48.57  | ug/l | 100    |
| 6) Chloroethane               | 2.70 | 64  | 252326  | 42.79  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 544919  | 44.09  | ug/l | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 205262  | 45.29  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 351296  | 45.99  | ug/l | 100    |
| 10) Methyl Iodide             | 3.95 | 142 | 187475  | 55.71  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.79 | 59  | 115699  | 161.85 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 310478  | 43.12  | ug/l | 97     |
| 13) Acrolein                  | 3.61 | 56  | 79797   | 95.66  | ug/l | 97     |
| 14) Allyl chloride            | 4.32 | 41  | 516133  | 44.63  | ug/l | 96     |
| 15) Acrylonitrile             | 4.99 | 53  | 627126  | 209.43 | ug/l | 99     |
| 16) Acetone                   | 3.81 | 43  | 548510  | 206.62 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.05 | 76  | 904641  | 38.64  | ug/l | 99     |
| 18) Methyl Acetate            | 4.32 | 43  | 314179  | 45.54  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 923076  | 45.17  | ug/l | 100    |
| 20) Methylene Chloride        | 4.55 | 84  | 380685  | 46.81  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 341997  | 43.89  | ug/l | 97     |
| 22) Diisopropyl ether         | 5.95 | 45  | 1151252 | 48.74  | ug/l | 99     |
| 23) Vinyl Acetate             | 5.90 | 43  | 3835747 | 227.58 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 662679  | 45.72  | ug/l | 100    |
| 25) 2-Butanone                | 6.84 | 43  | 885227  | 200.75 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 528097  | 44.20  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 399275  | 46.23  | ug/l | 100    |
| 28) Bromochloromethane        | 7.19 | 49  | 322256  | 48.30  | ug/l | 100    |
| 29) Tetrahydrofuran           | 7.21 | 42  | 462028  | 195.75 | ug/l | 100    |
| 30) Chloroform                | 7.37 | 83  | 672933  | 46.44  | ug/l | 100    |
| 31) Cyclohexane               | 7.65 | 56  | 563748  | 44.12  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 555957  | 44.68  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 500794  | 48.33  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.93 | 43  | 314571  | 42.15  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 492364  | 45.55  | 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  
 8/14/2018 12:50:43 PM

Quant Time: Aug 14 01:11:26 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080618W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 05:22:15 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 39) Methylcyclohexane          | 9.08  | 83   | 536448   | 47.43  | ug/l   | 99       |
| 40) Benzene                    | 8.04  | 78   | 1528661  | 47.98  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.17  | 41   | 177463   | 44.72  | ug/l # | 81       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 480605   | 47.52  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.16  | 43   | 559587   | 43.44  | ug/l   | 98       |
| 44) Trichloroethene            | 8.83  | 130  | 393795   | 46.00  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 411545   | 49.13  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 245812   | 47.52  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 524301   | 48.94  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 279454   | 43.28  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 75735    | 760.96 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 2005225  | 216.13 | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 950394   | 49.66  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 529847   | 49.26  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 610918   | 50.89  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 352197   | 47.14  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 448568   | 42.69  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 595664   | 48.57  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 1071827  | 218.46 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 1353676  | 209.07 | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.90 | 129  | 404582   | 49.16  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 349093   | 47.40  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.63 | 164  | 371803   | 44.80  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 1058113  | 47.52  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 396336   | 48.91  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1790475  | 49.75  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 1387998  | 101.30 | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 659554   | 49.97  | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 1103915  | 51.43  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 279900   | 47.26  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1747273  | 50.66  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 490081   | 43.84  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 439342   | 44.15  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 381004m  | 45.81  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 457088   | 49.47  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 2018186  | 51.70  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 1200676  | 49.80  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1456368  | 52.02  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 115727   | 48.89  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 1223171  | 50.87  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 1219837  | 49.94  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 1487857  | 52.46  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1648914  | 50.65  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 1440003  | 51.62  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 797058   | 48.43  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 778010   | 47.34  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.62 | 91   | 1174613  | 49.46  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 246341   | 49.66  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 757976   | 45.95  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 62632    | 37.07  | ug/l   | 99       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\  
Data File : VN050558.D  
Acq On : 13 Aug 2018 10:48  
Operator : MD\SY  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

MMDadoda  
8/14/2018 12:50:43 PM

Quant Time: Aug 14 01:11:26 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080618W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 07 05:22:15 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 393733   | 46.86 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 240026   | 52.37 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 822326   | 37.91 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 376249   | 44.29 | ug/l  | 99       |

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

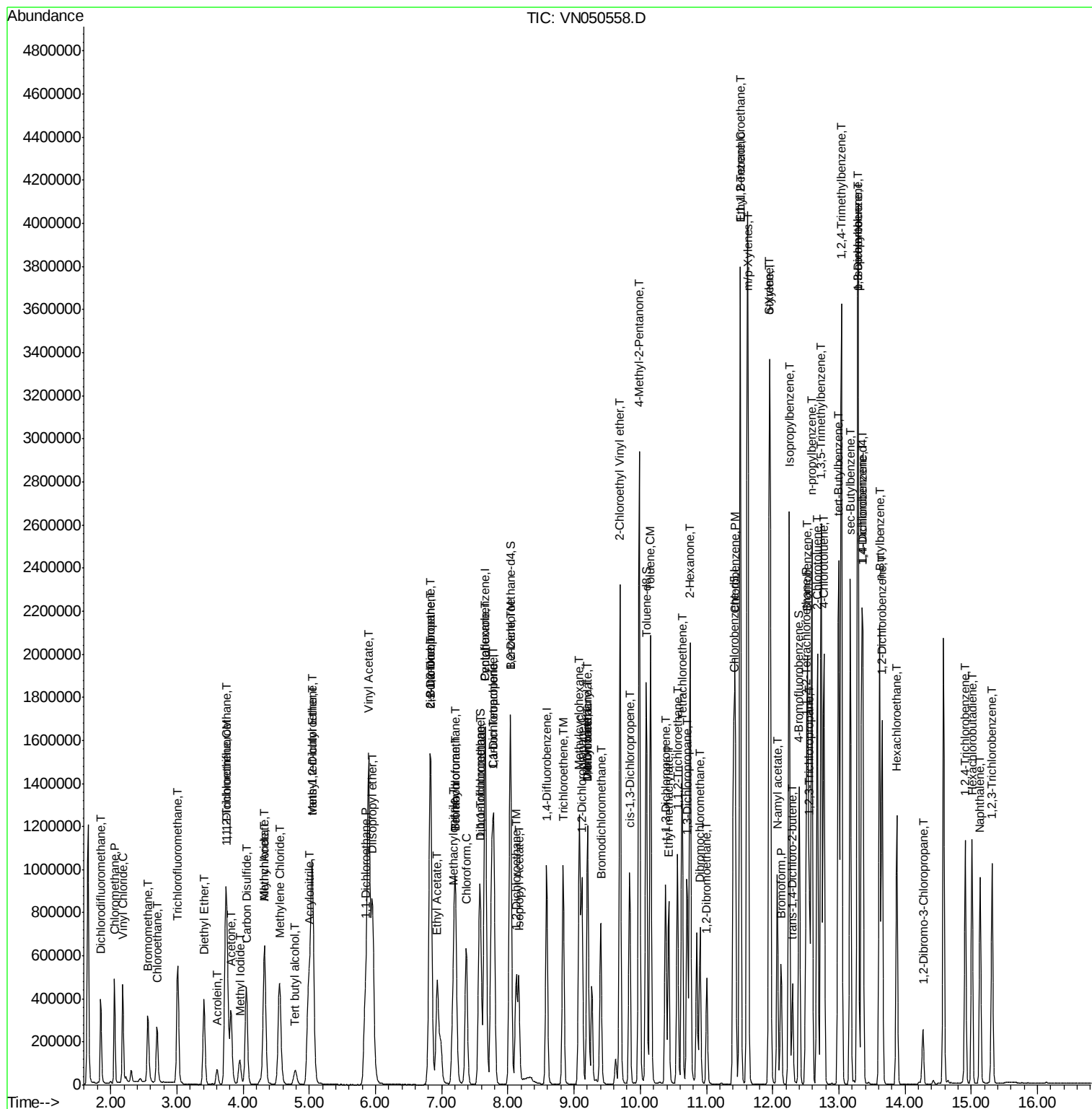
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Data File : VN050558.D  
Acq On : 13 Aug 2018 10:48  
Operator : MD\SY  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 1

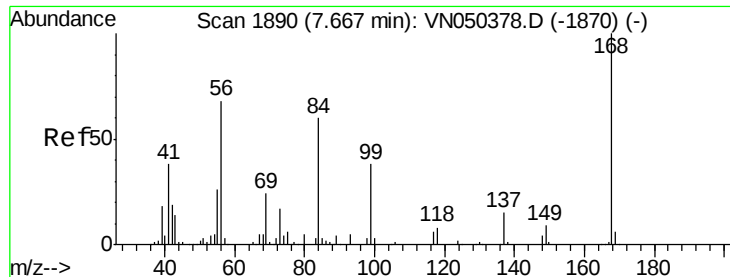
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

MMDadoda  
8/14/2018 12:50:43 PM

Quant Time: Aug 14 01:11:26 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N080618W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 07 05:22:15 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 666041

Ion Ratio Lower Upper

168 100

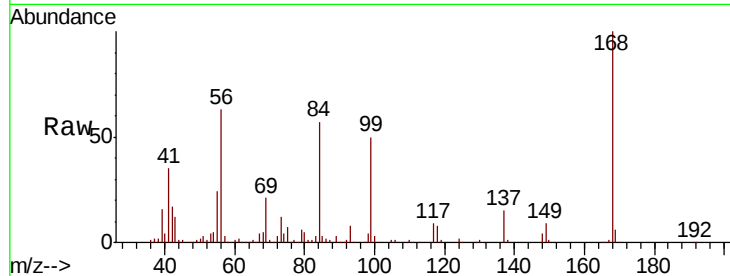
99 50.0 40.0 60.0

Manual Integrations

APPROVED

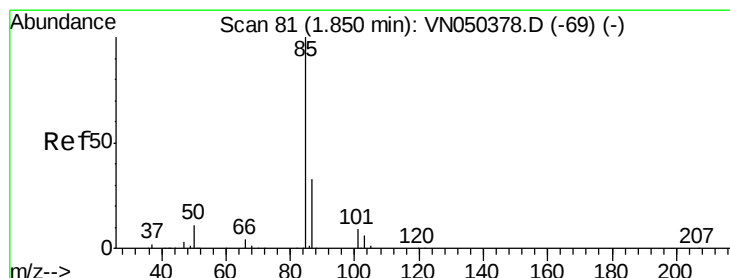
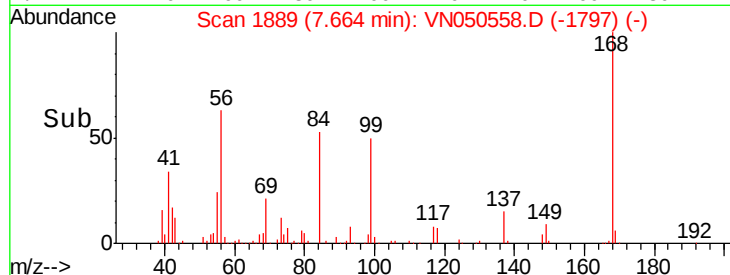
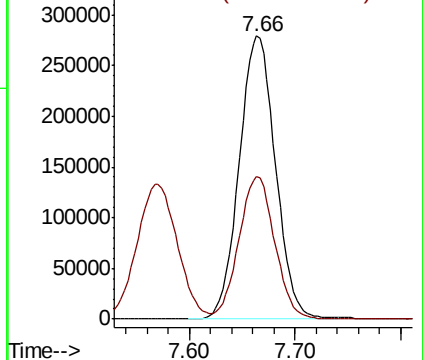
MMDadoda

8/14/2018 12:50:43 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 41.97 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050558.D

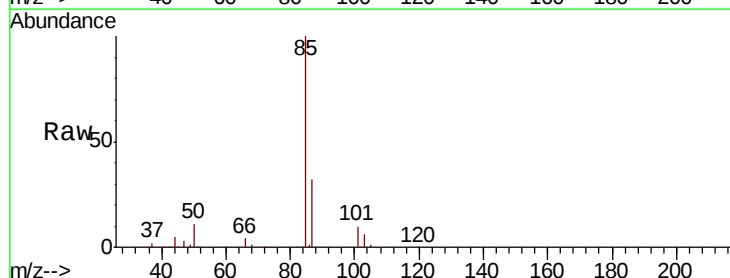
Acq: 13 Aug 2018 10:48

Tgt Ion: 85 Resp: 310331

Ion Ratio Lower Upper

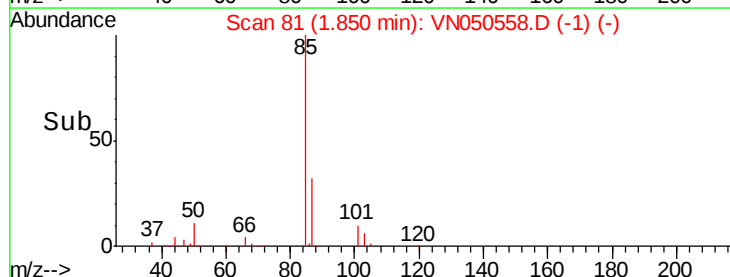
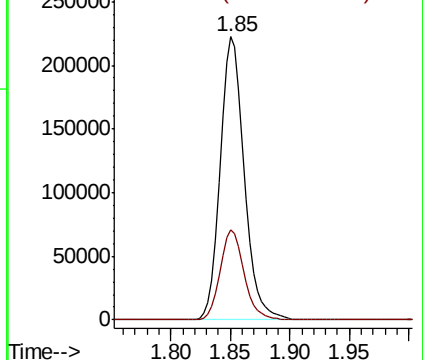
85 100

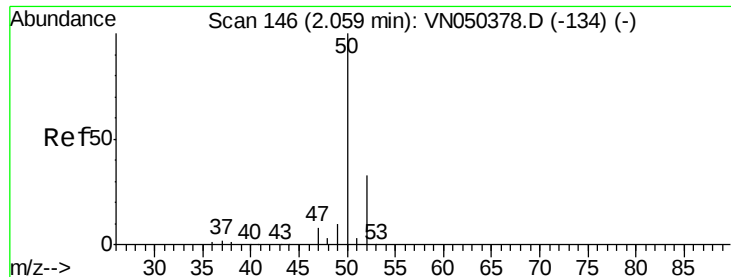
87 31.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.45 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 398249

Ion Ratio Lower Upper

50 100

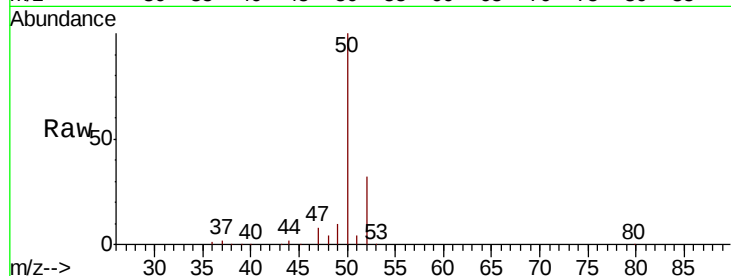
52 32.2 25.9 38.9

Manual Integrations

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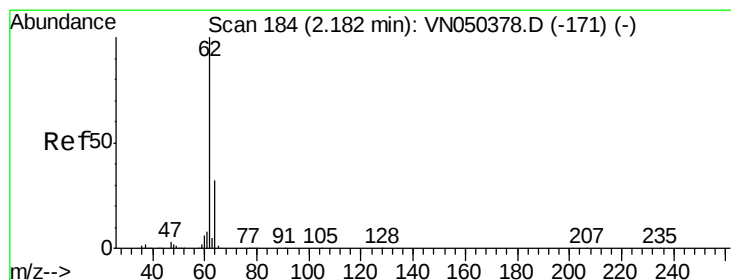
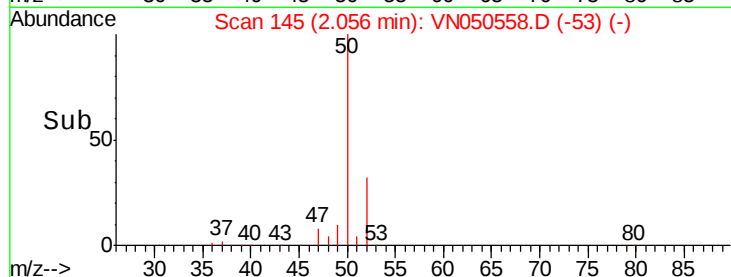
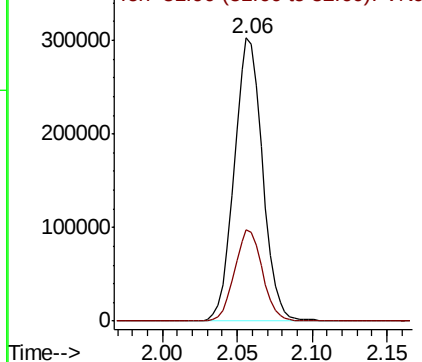
MMDadoda

8/14/2018 12:50:43 PM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 42.68 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050558.D

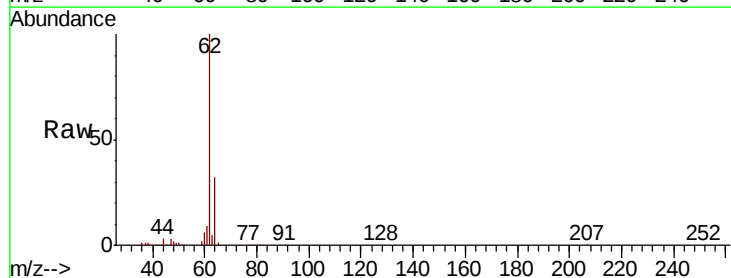
Acq: 13 Aug 2018 10:48

Tgt Ion: 62 Resp: 408485

Ion Ratio Lower Upper

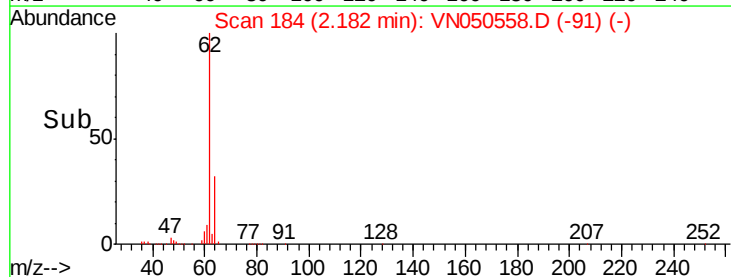
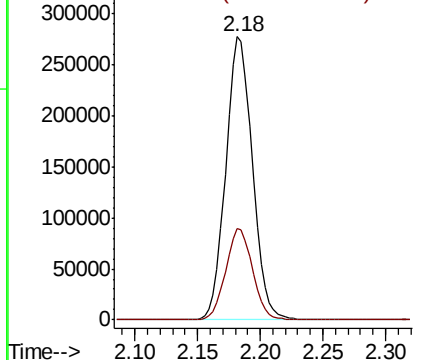
62 100

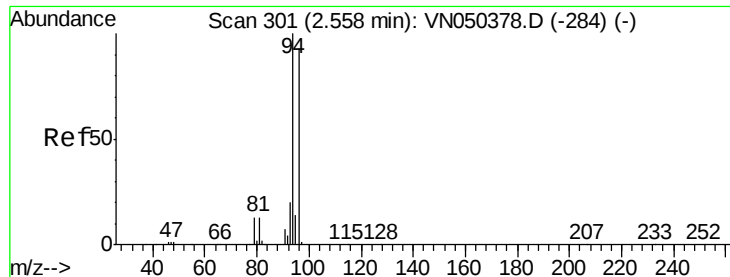
64 32.3 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 48.57 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 225326

Ion Ratio Lower Upper

94 100

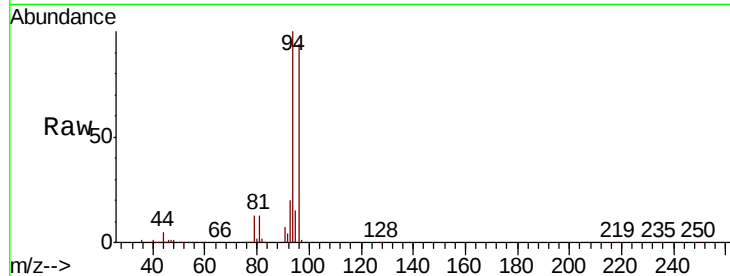
96 93.6 74.6 112.0

Manual Integrations

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8/14/2018 12:50:43 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

120000

100000

80000

60000

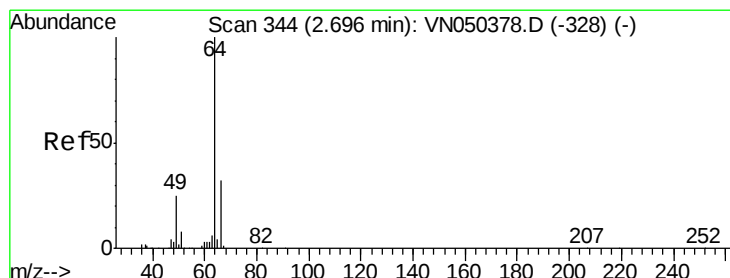
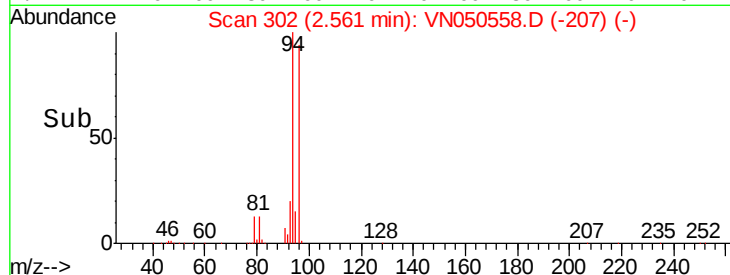
40000

20000

0

2.45 2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 42.79 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050558.D

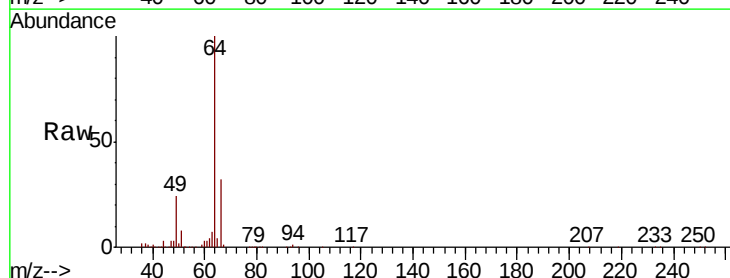
Acq: 13 Aug 2018 10:48

Tgt Ion: 64 Resp: 252326

Ion Ratio Lower Upper

64 100

66 32.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

150000

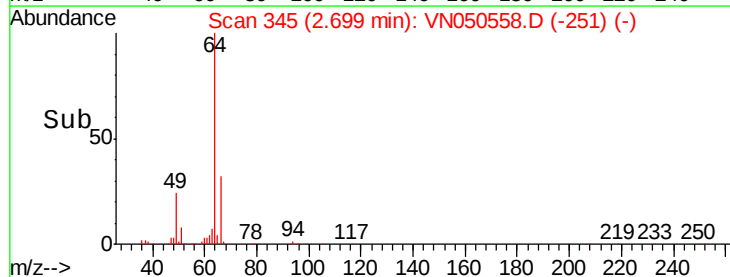
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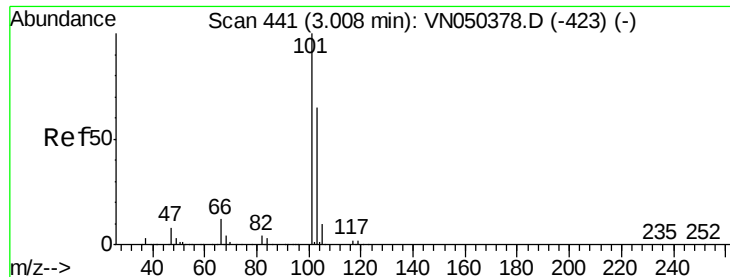
50000

0

2.60 2.70 2.80

Time-->





#7

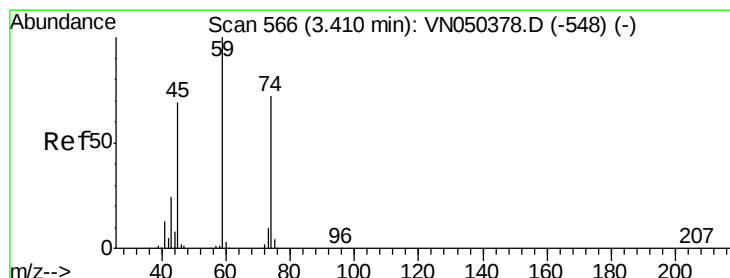
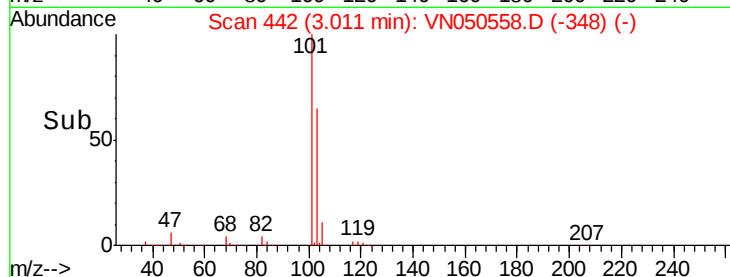
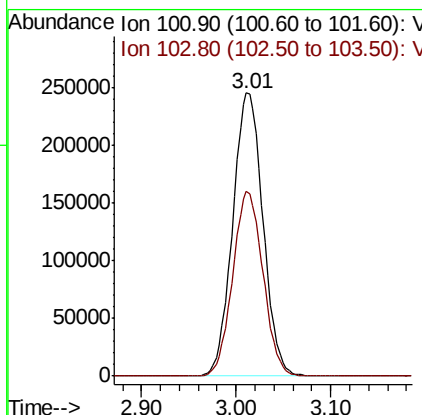
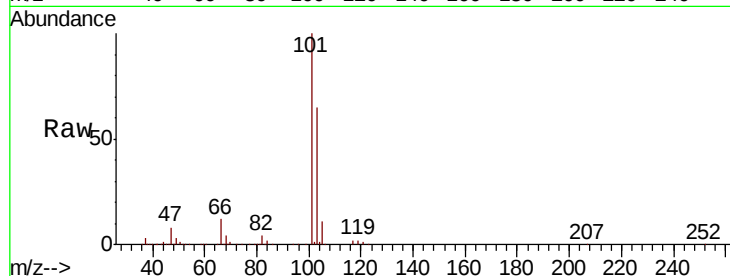
Trichlorofluoromethane  
Concen: 44.09 ug/l  
RT: 3.01 min Scan# 442  
Delta R.T. 0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.2  | 51.7  | 77.5  |

Manual Integrations  
APPROVED

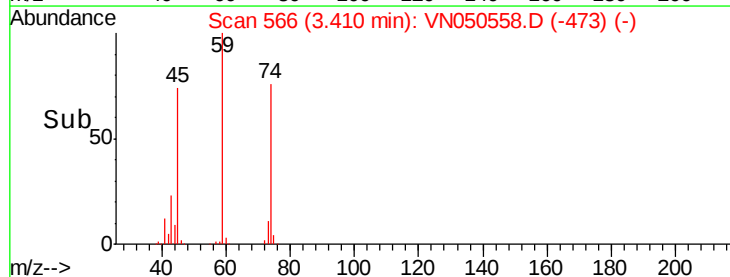
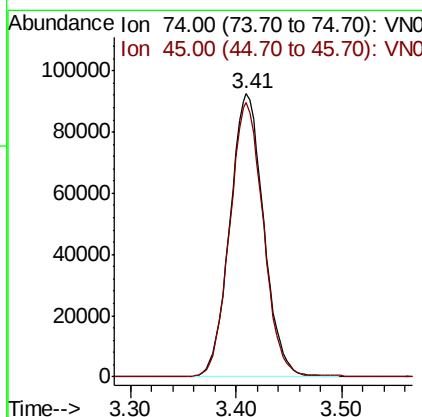
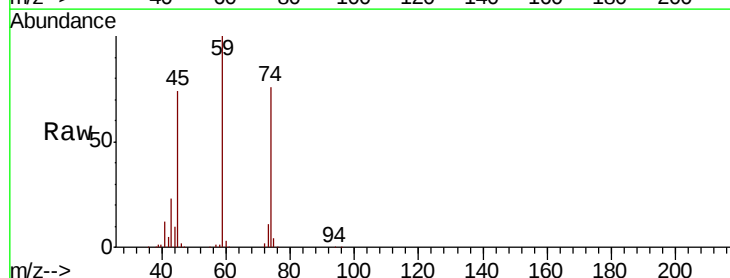
MMDadoda  
8/14/2018 12:50:43 PM

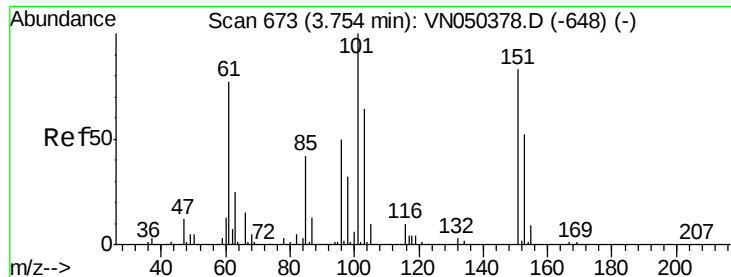


#8

Diethyl Ether  
Concen: 45.29 ug/l  
RT: 3.41 min Scan# 566  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 95.6  | 47.6  | 142.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.99 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

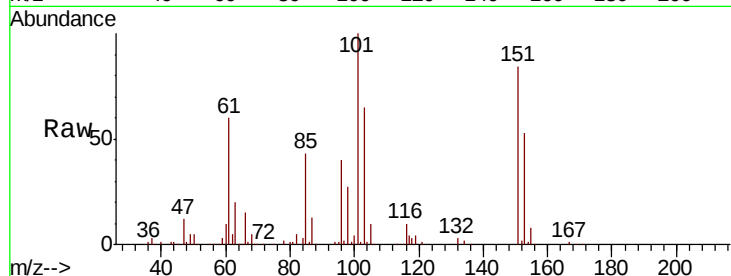
ClientSampleId :

VSTDCCC050

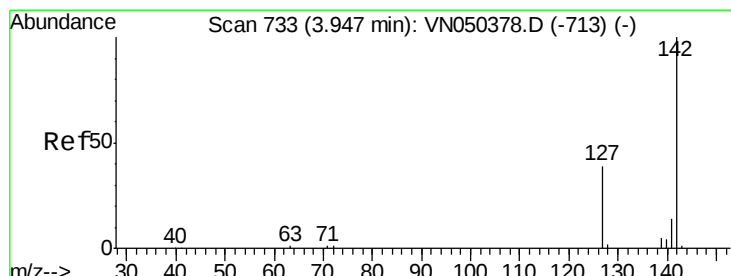
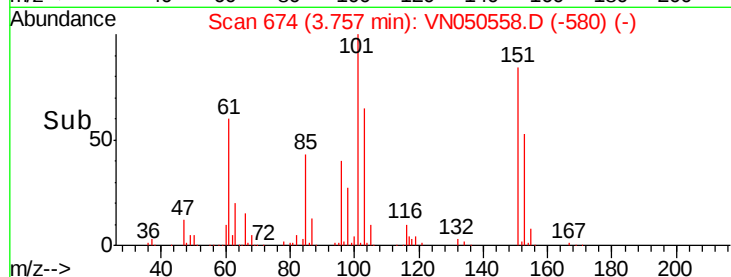
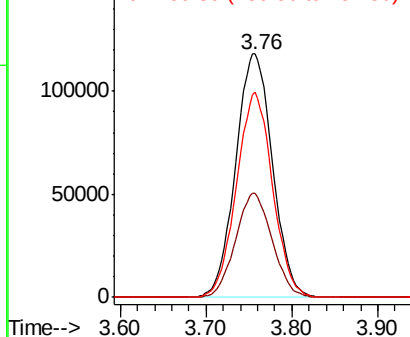
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 351296 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.5  | 34.2  | 51.2   |
| 151       | 82.4  | 66.3  | 99.5   |

Manual Integrations  
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8/14/2018 12:50:43 PM



Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): VN  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.71 ug/l

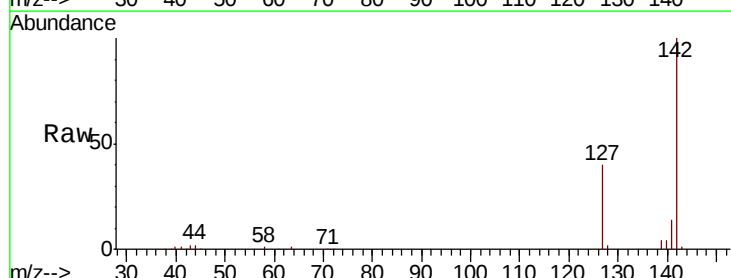
RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

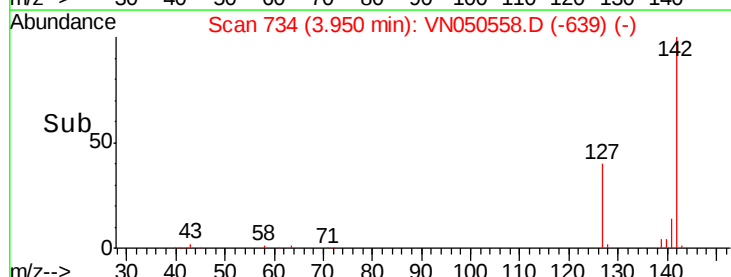
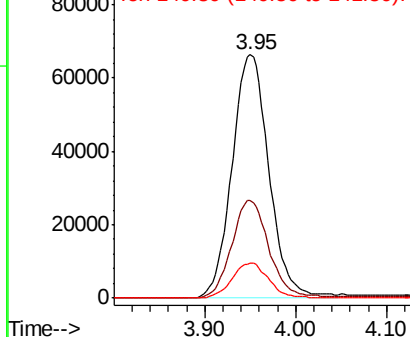
Lab File: VN050558.D

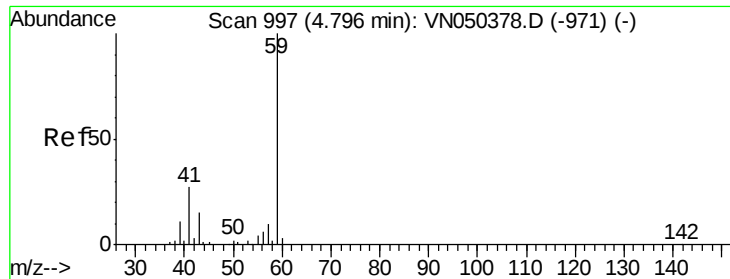
Acq: 13 Aug 2018 10:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 187475 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 40.8  | 33.4  | 50.2   |
| 141       | 14.3  | 11.6  | 17.4   |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





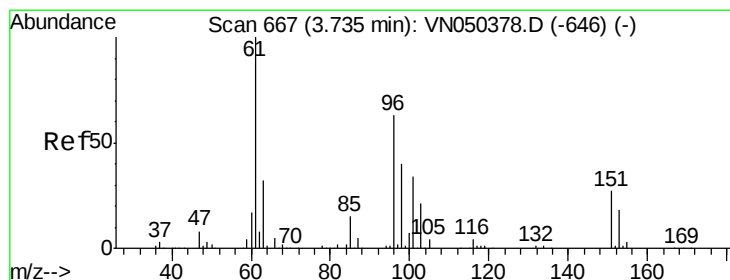
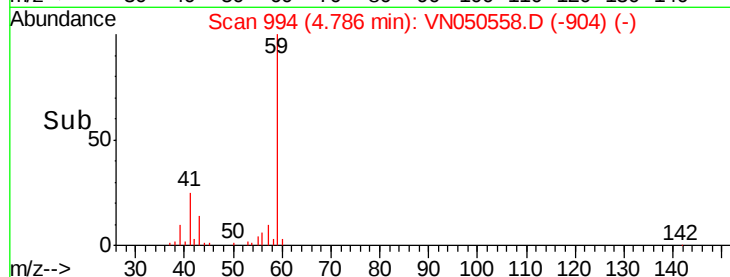
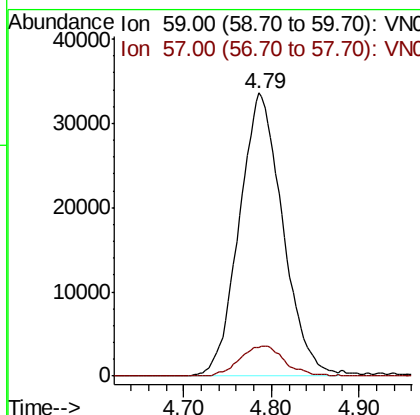
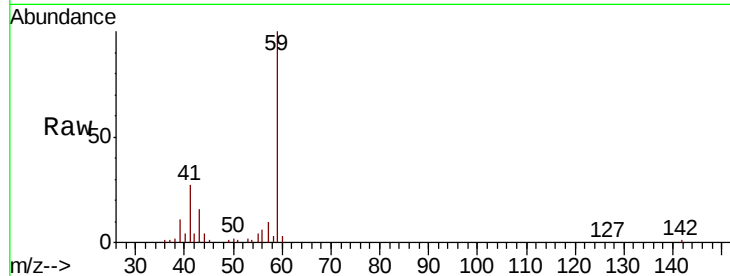
#11  
Tert butyl alcohol  
Concen: 161.85 ug/l  
RT: 4.79 min Scan# 994  
Delta R.T. -0.01 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 59 | Resp | 115699 |
|-----------|----|------|--------|
| Ion Ratio | 59 | 100  |        |
| Lower     | 57 | 11.0 | 8.5    |
| Upper     |    |      | 12.7   |

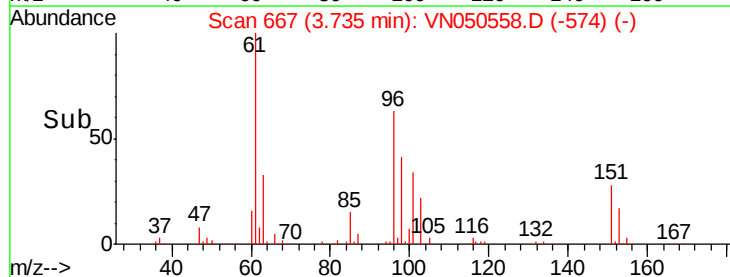
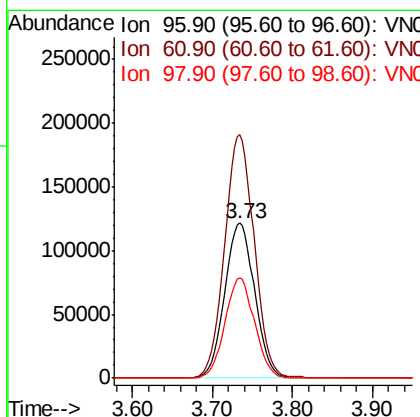
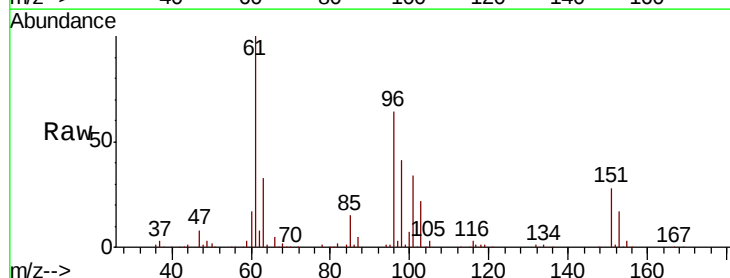
Manual Integrations  
APPROVED

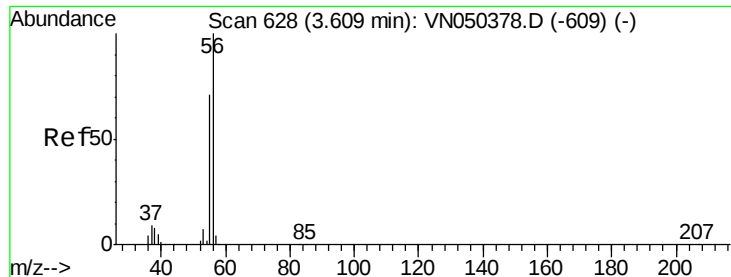
MMDadoda  
8/14/2018 12:50:43 PM



#12  
1,1-Dichloroethene  
Concen: 43.12 ug/l  
RT: 3.73 min Scan# 667  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

| Tgt Ion   | 96 | Resp  | 310478 |
|-----------|----|-------|--------|
| Ion Ratio | 96 | 100   |        |
| Lower     | 61 | 157.4 | 124.4  |
| Upper     | 98 | 65.0  | 48.3   |





#13

Acrolein

Concen: 95.66 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 79797

Ion Ratio Lower Upper

56 100

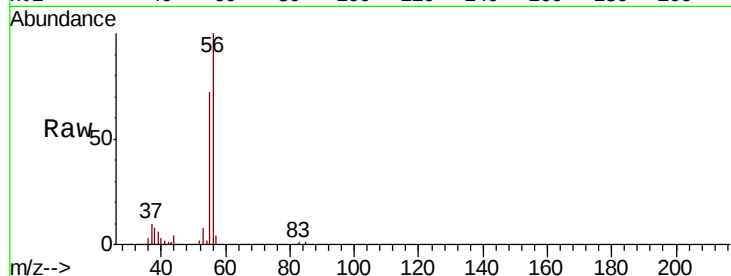
55 72.2 55.8 83.6

Manual Integrations

APPROVED

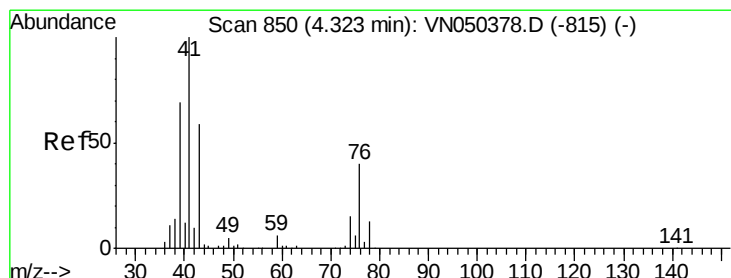
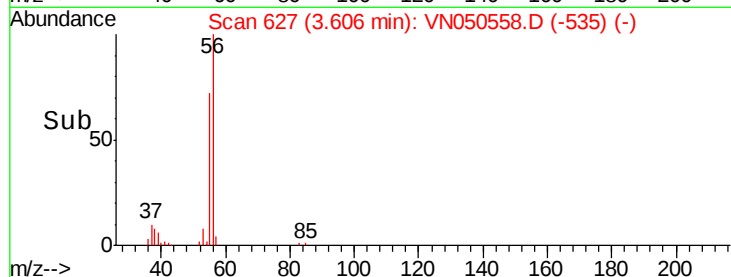
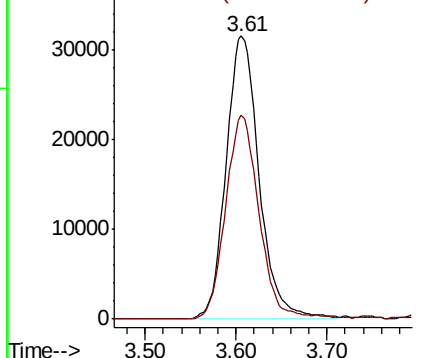
MMDadoda

8/14/2018 12:50:43 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 44.63 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

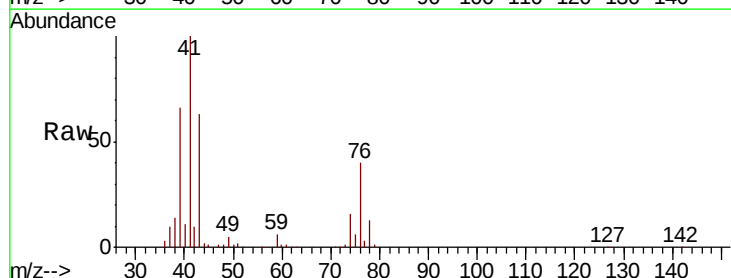
Tgt Ion: 41 Resp: 516133

Ion Ratio Lower Upper

41 100

39 63.2 54.2 81.4

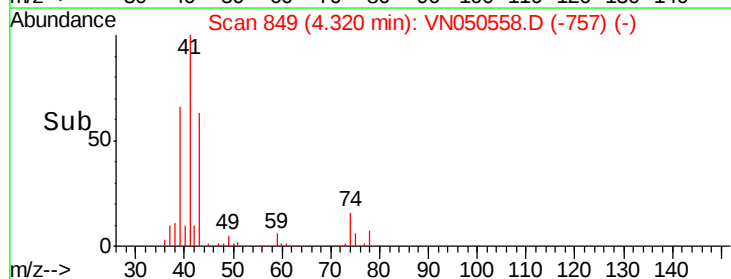
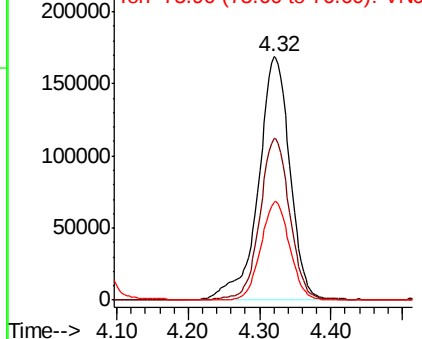
76 36.6 29.0 43.6

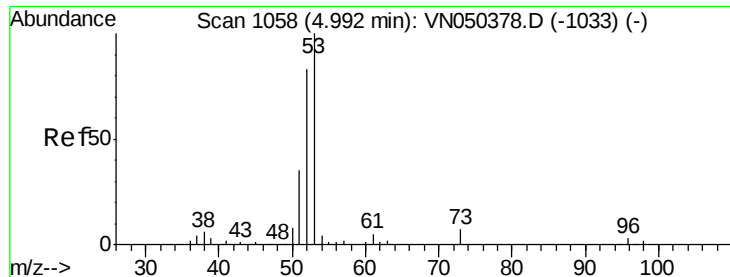


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 209.43 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

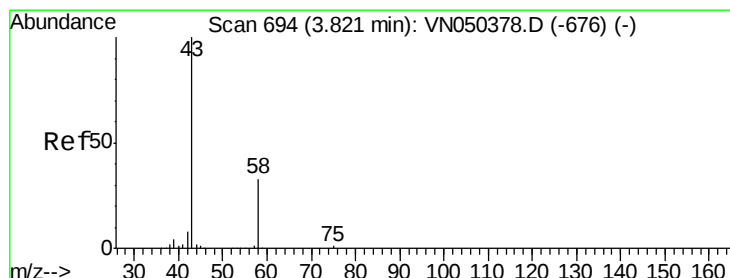
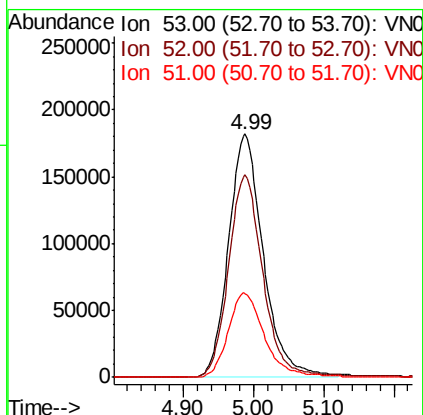
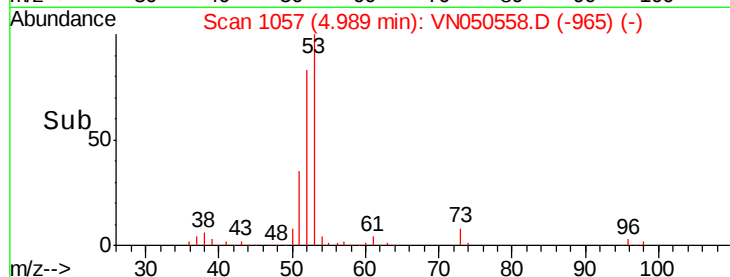
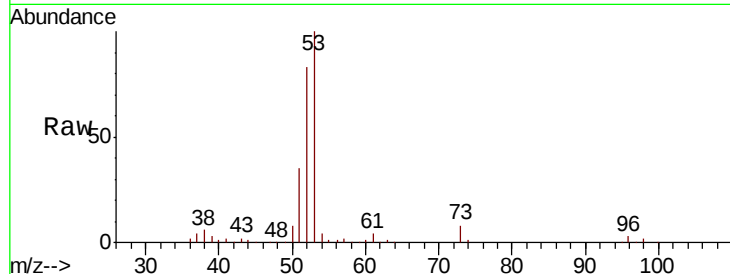
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 627126 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 81.7  | 66.2  | 99.2   |
| 51        | 36.3  | 29.3  | 43.9   |

Manual Integrations  
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MMDadoda  
8/14/2018 12:50:43 PM



#16

Acetone

Concen: 206.62 ug/l

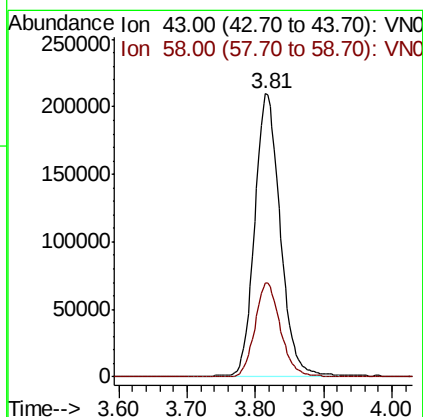
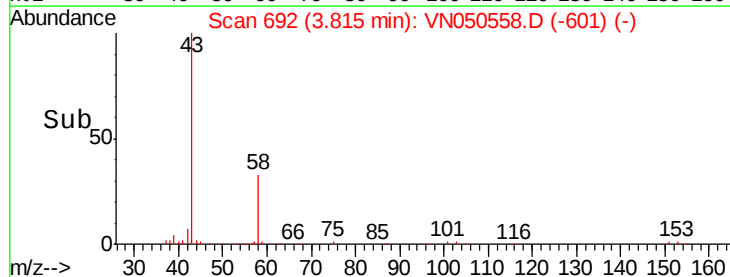
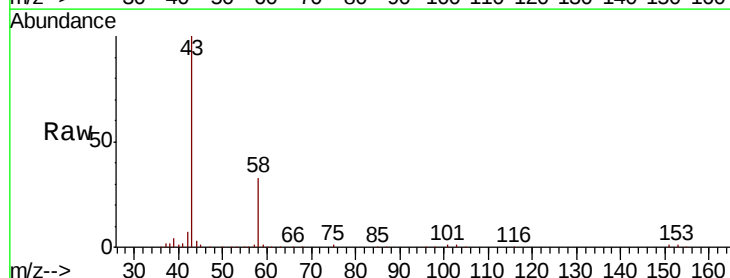
RT: 3.81 min Scan# 692

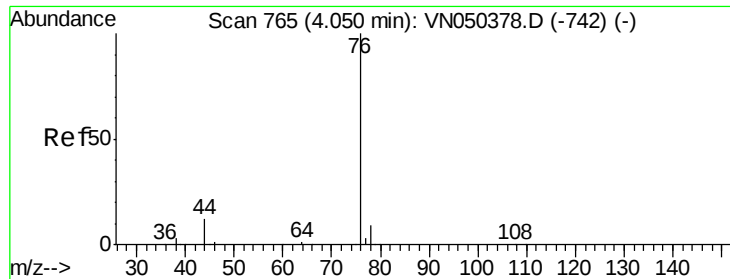
Delta R.T. -0.01 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 548510 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 33.0  | 25.8  | 38.8   |





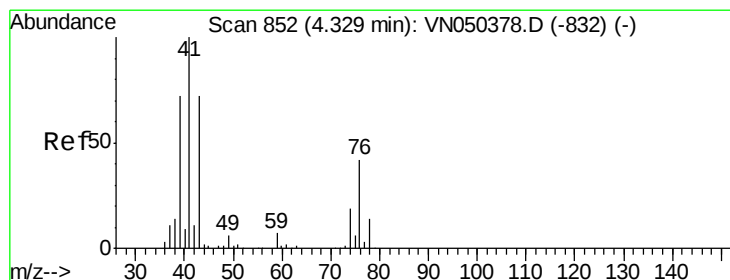
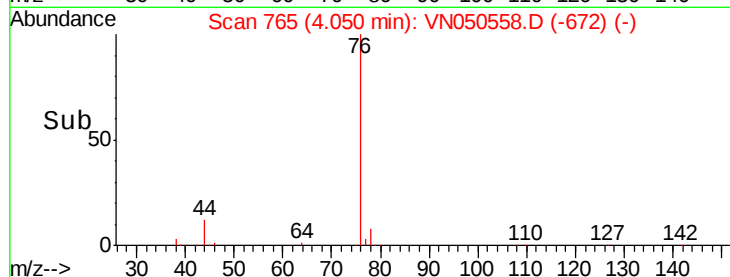
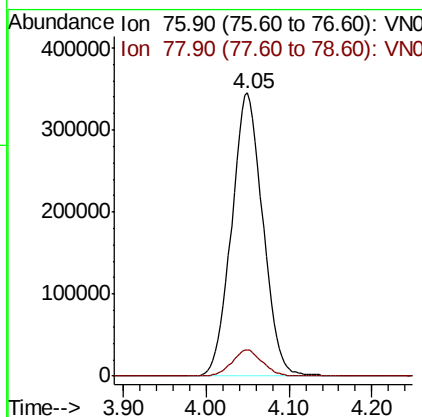
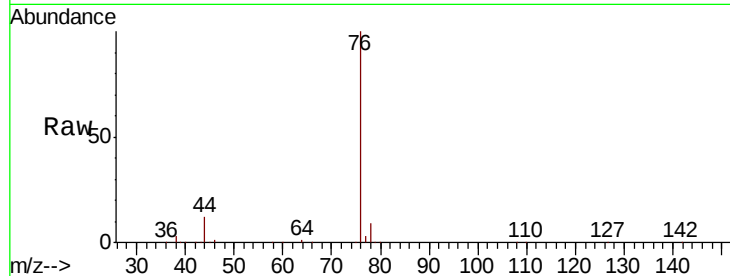
#17  
Carbon Disulfide  
Concen: 38.64 ug/l  
RT: 4.05 min Scan# 765  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.3   | 7.3   | 10.9  |

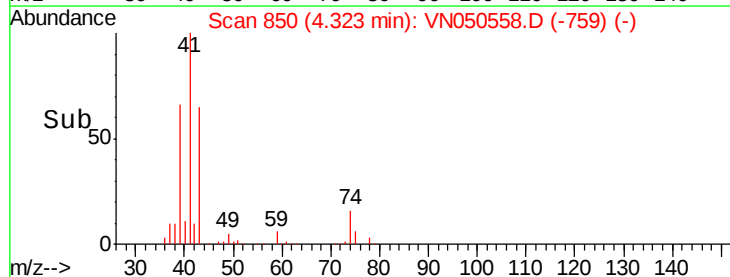
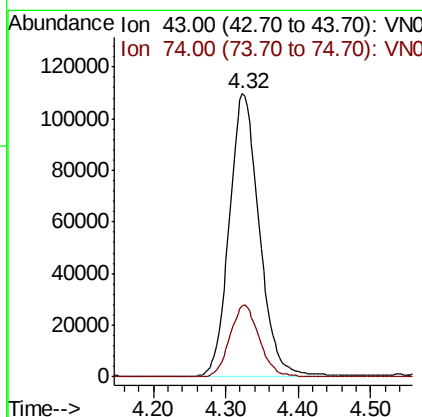
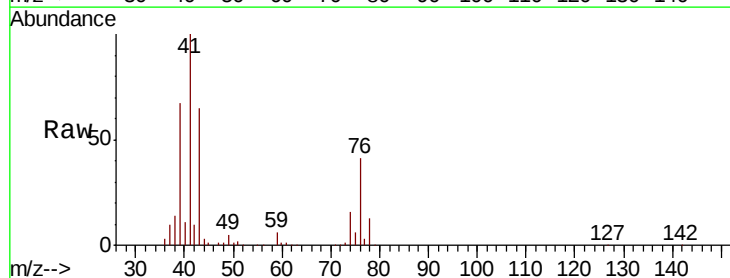
Manual Integrations  
APPROVED

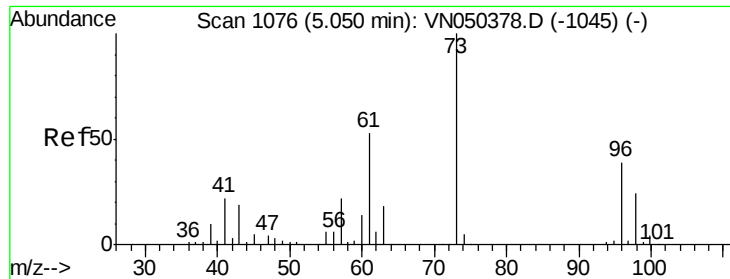
MMDadoda  
8/14/2018 12:50:43 PM



#18  
Methyl Acetate  
Concen: 45.54 ug/l  
RT: 4.32 min Scan# 850  
Delta R.T. -0.01 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.9  | 19.2  | 28.8  |





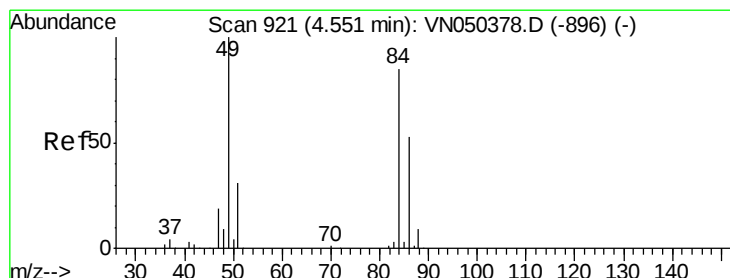
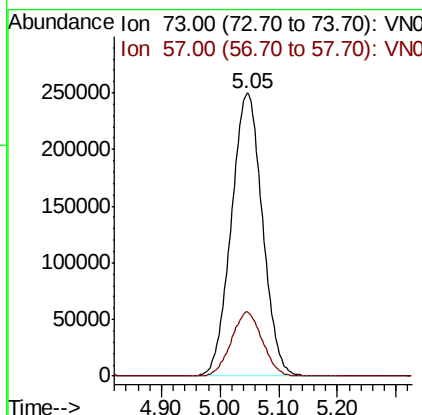
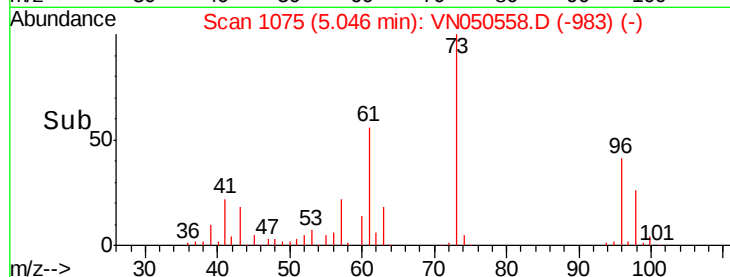
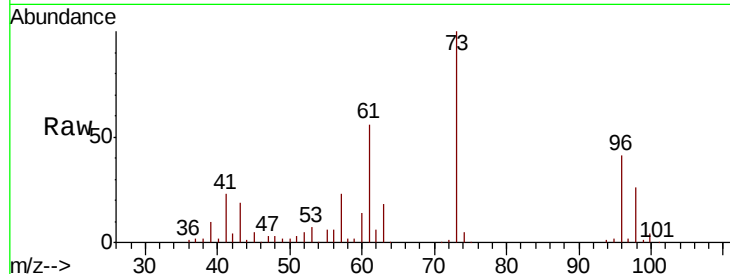
#19  
Methvl tert-butvl Ether  
Concen: 45.17 ug/l  
RT: 5.05 min Scan# 1075  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 923076  
Ion Ratio Lower Upper  
73 100  
57 22.6 18.0 27.0

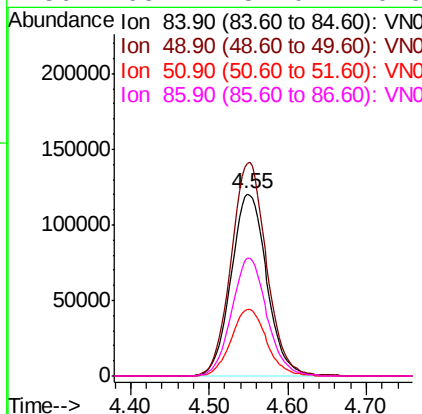
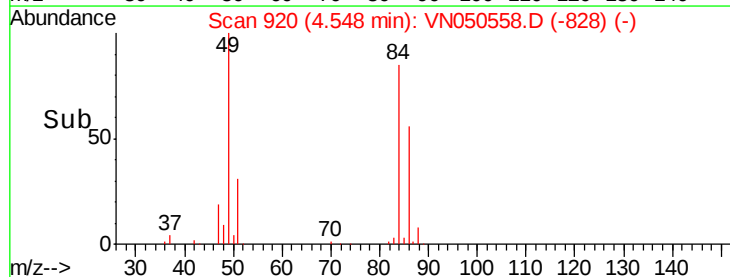
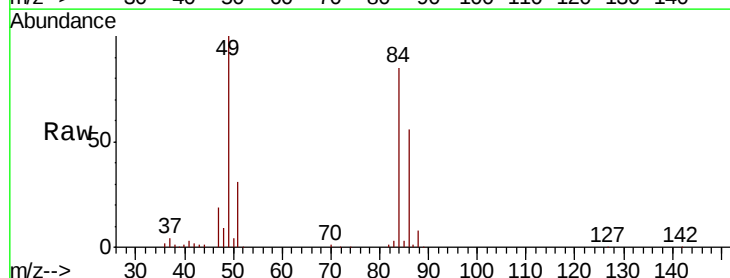
Manual Integrations  
APPROVED

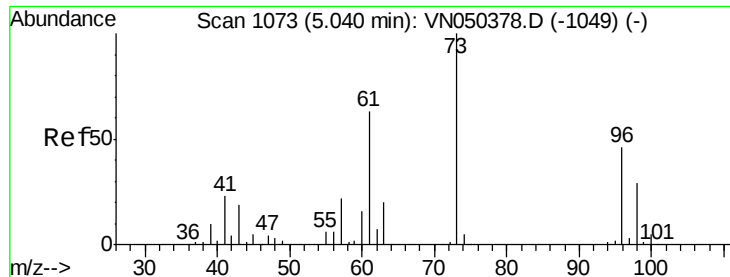
MMDadoda  
8/14/2018 12:50:43 PM



#20  
Methylene Chloride  
Concen: 46.81 ug/l  
RT: 4.55 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Tgt Ion: 84 Resp: 380685  
Ion Ratio Lower Upper  
84 100  
49 117.1 94.8 142.2  
51 36.7 28.3 42.5  
86 65.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 43.89 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

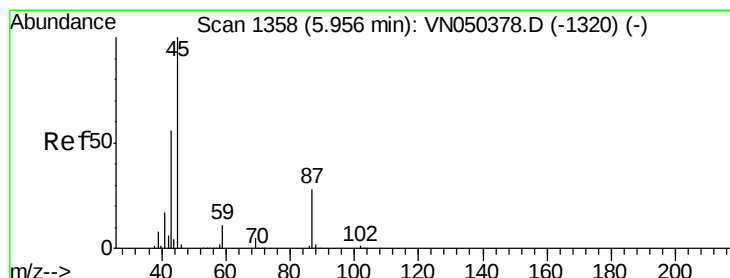
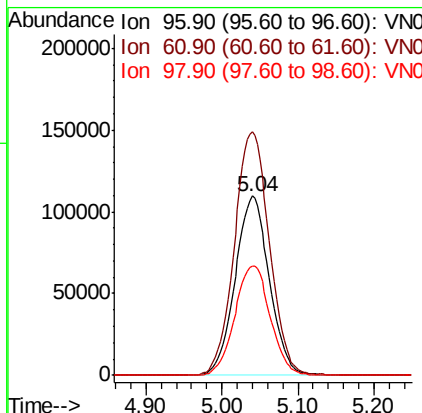
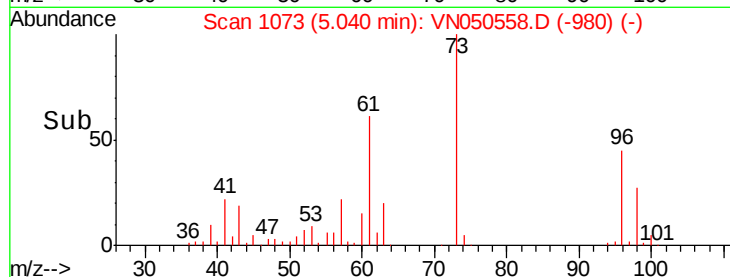
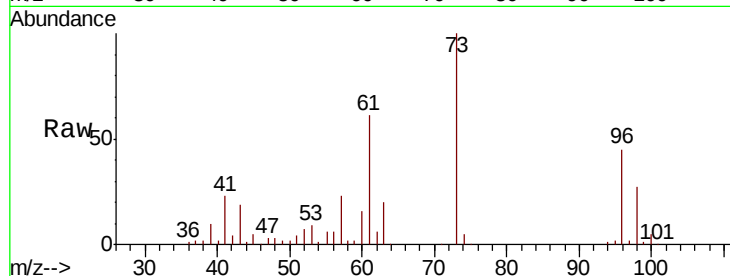
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 341997 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 136.0 | 110.7 | 166.1  |
| 98       | 61.0  | 51.6  | 77.4   |

Manual Integrations  
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MMDadoda  
8/14/2018 12:50:43 PM



#22

Diisopropyl ether

Concen: 48.74 ug/l

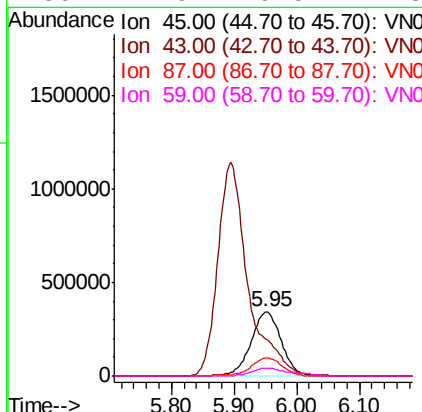
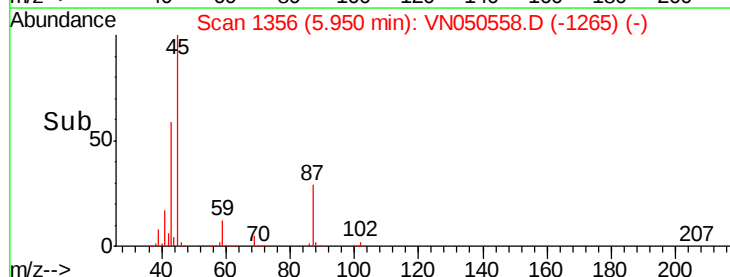
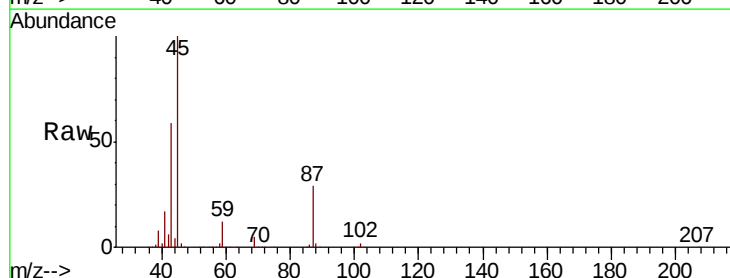
RT: 5.95 min Scan# 1356

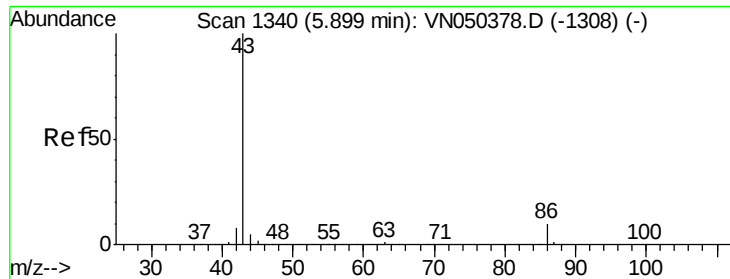
Delta R.T. -0.01 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 45    | Resp: | 1151252 |
| Ion      | Ratio | Lower | Upper   |
| 45       | 100   |       |         |
| 43       | 58.4  | 45.7  | 68.5    |
| 87       | 28.8  | 22.7  | 34.1    |
| 59       | 11.9  | 9.5   | 14.3    |





#23

Vinyl Acetate

Concen: 227.58 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3835747

Ion Ratio Lower Upper

43 100

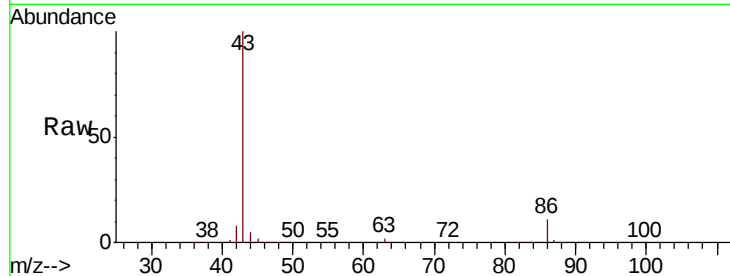
86 10.8 8.6 13.0

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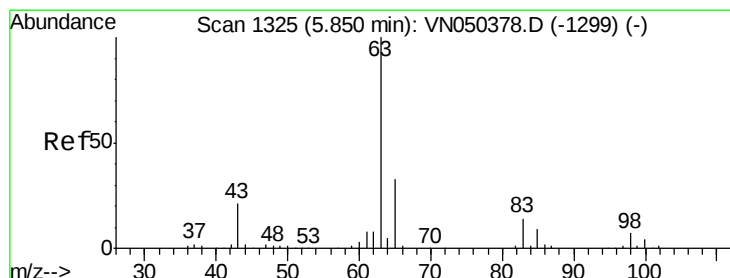
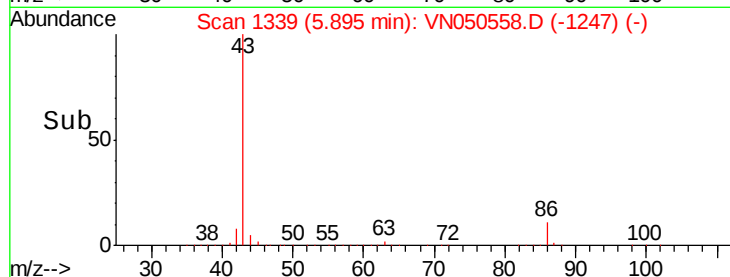
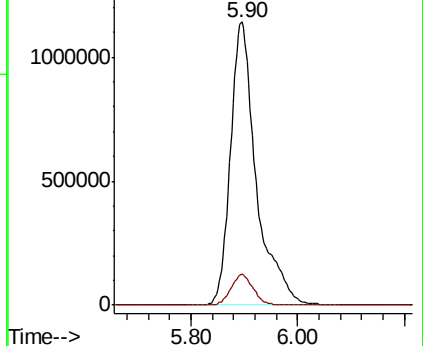
MMDadoda

8/14/2018 12:50:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 45.72 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

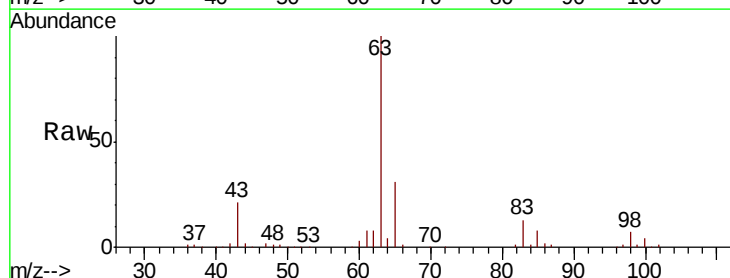
Tgt Ion: 63 Resp: 662679

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

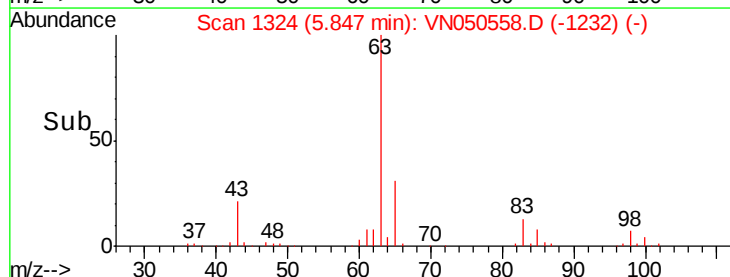
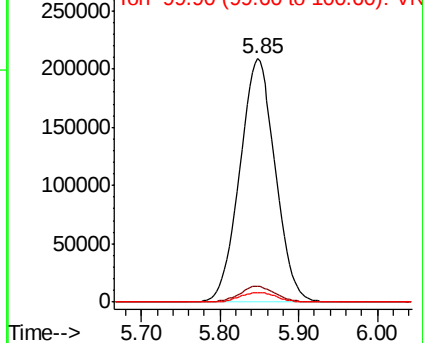
100 4.0 2.1 6.3

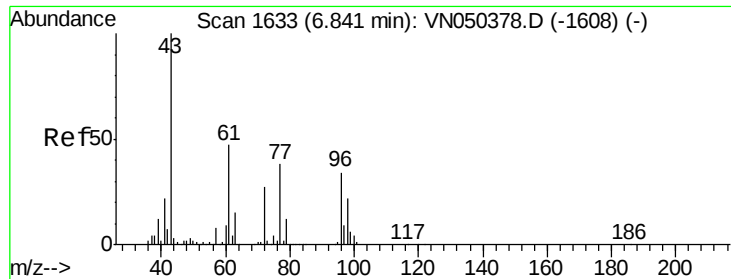


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 200.75 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 885227

Ion Ratio Lower Upper

43 100

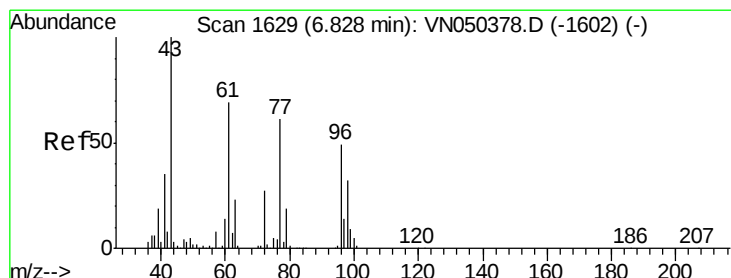
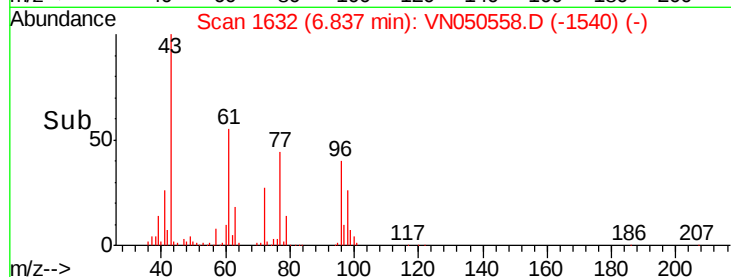
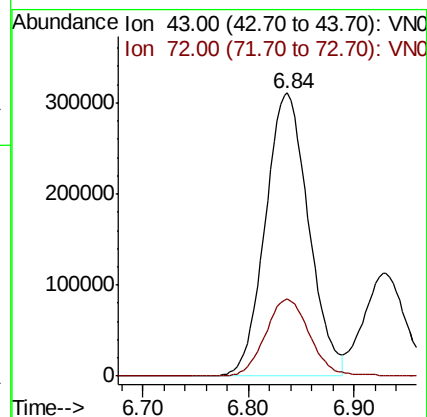
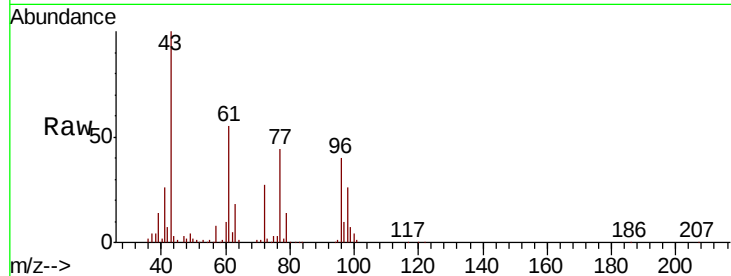
72 27.1 21.5 32.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.20 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050558.D

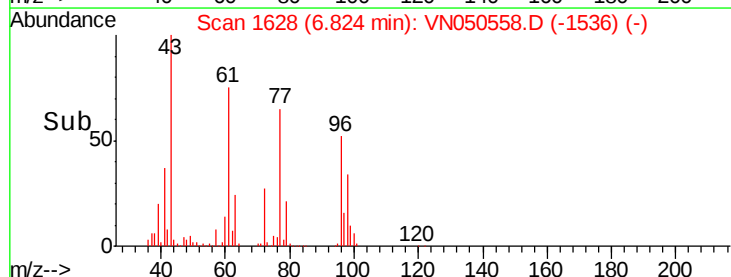
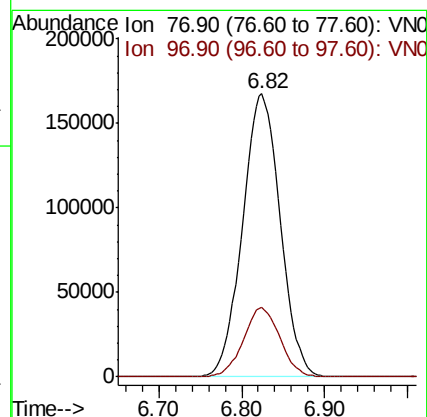
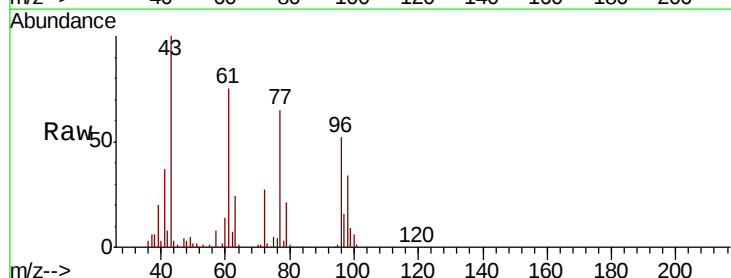
Acq: 13 Aug 2018 10:48

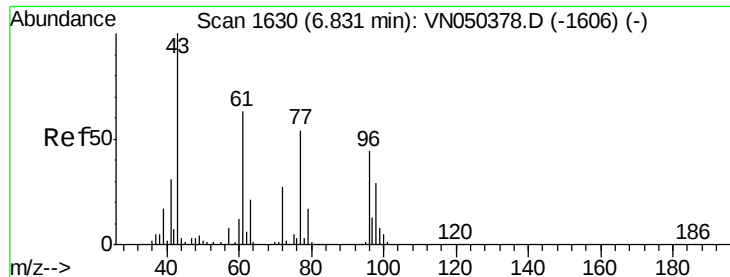
Tgt Ion: 77 Resp: 528097

Ion Ratio Lower Upper

77 100

97 23.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 46.23 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

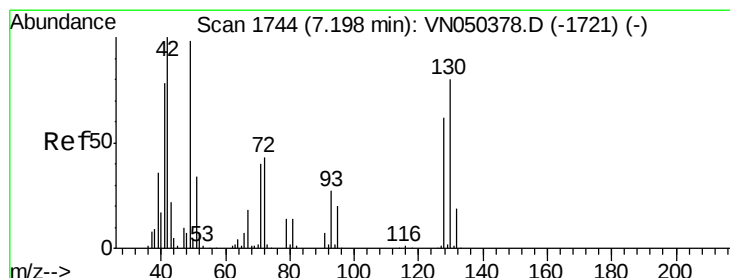
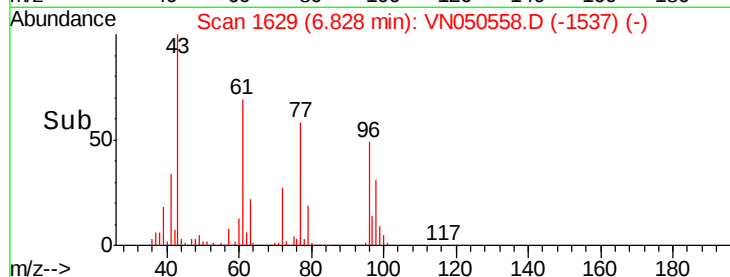
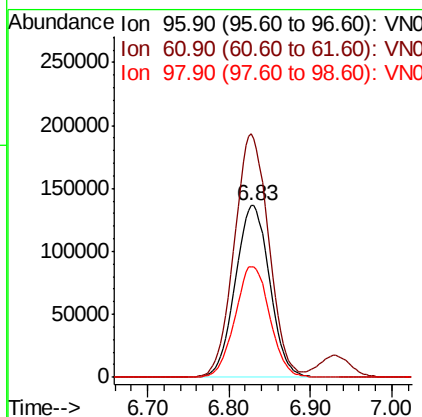
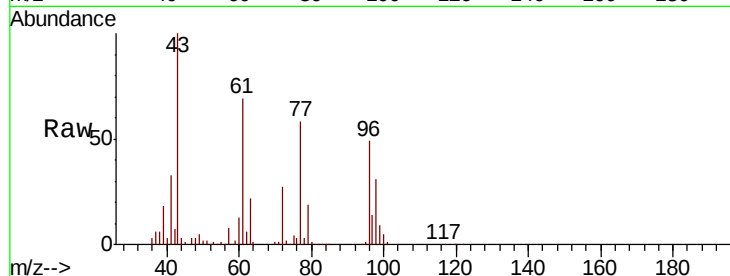
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 399275 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 142.0 | 0.0   | 285.0  |
| 98       | 64.9  | 0.0   | 129.2  |

Manual Integrations  
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#28

Bromochloromethane

Concen: 48.30 ug/l

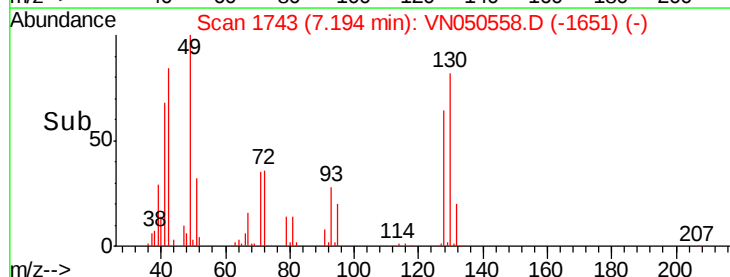
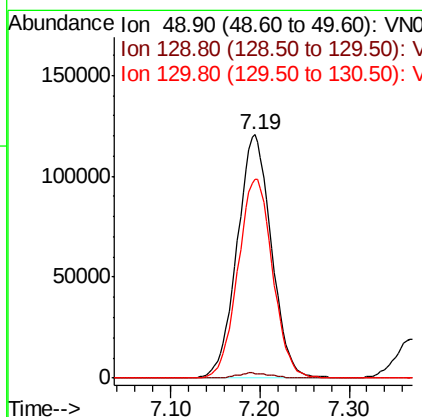
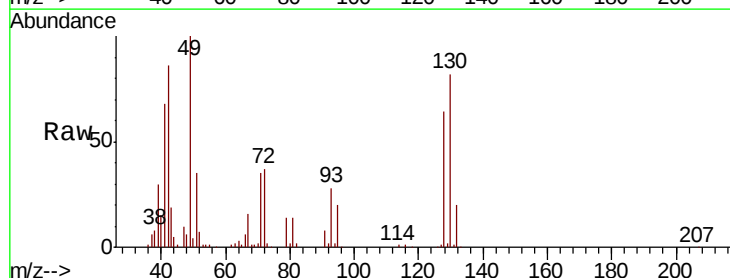
RT: 7.19 min Scan# 1743

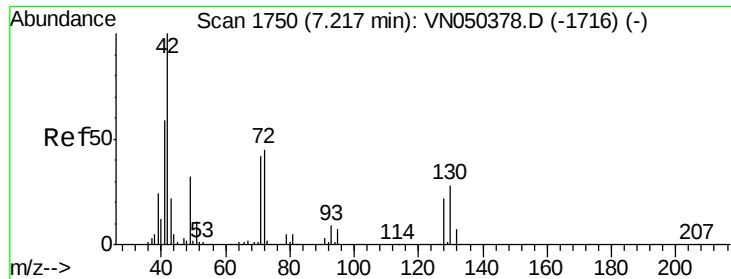
Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 322256 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 2.1   | 0.0   | 4.0    |
| 130      | 82.7  | 66.3  | 99.5   |





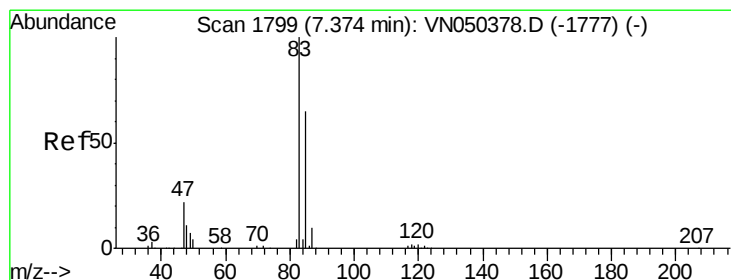
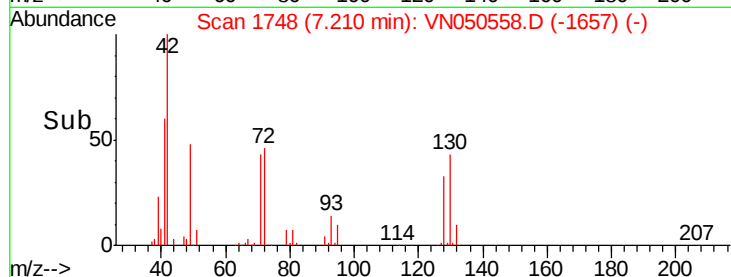
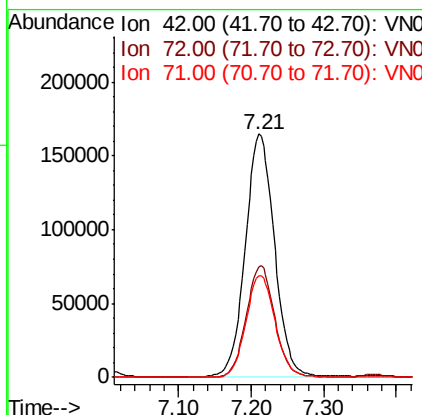
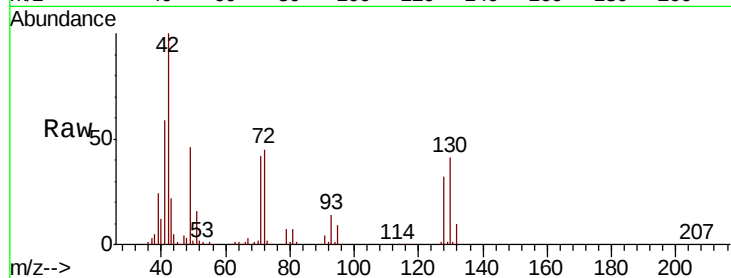
#29  
Tetrahydrofuran  
Concen: 195.75 ug/l  
RT: 7.21 min Scan# 1748  
Delta R.T. -0.01 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.7  | 35.9  | 53.9  |
| 71      | 41.9  | 33.7  | 50.5  |

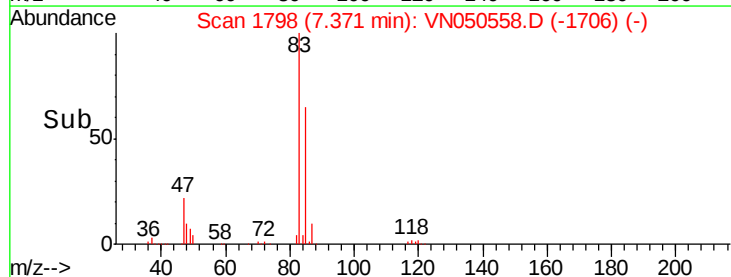
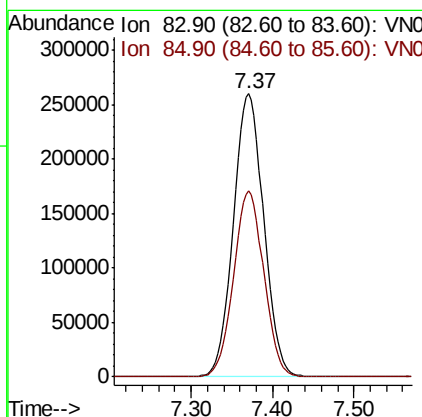
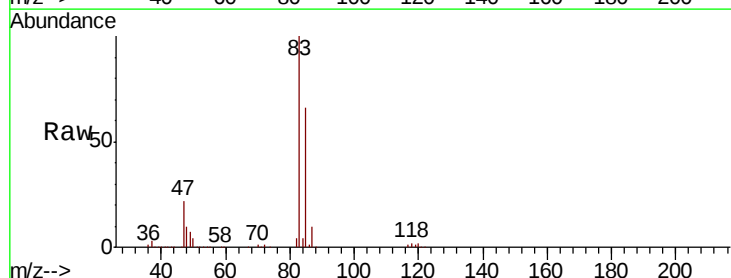
Manual Integrations  
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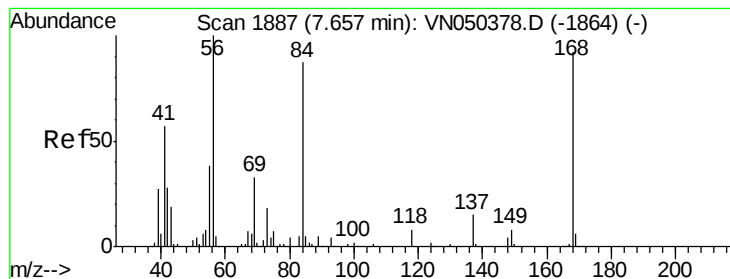
MMDadoda  
8/14/2018 12:50:43 PM



#30  
Chloroform  
Concen: 46.44 ug/l  
RT: 7.37 min Scan# 1798  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.6  | 52.5  | 78.7  |





#31

Cyclohexane

Concen: 44.12 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

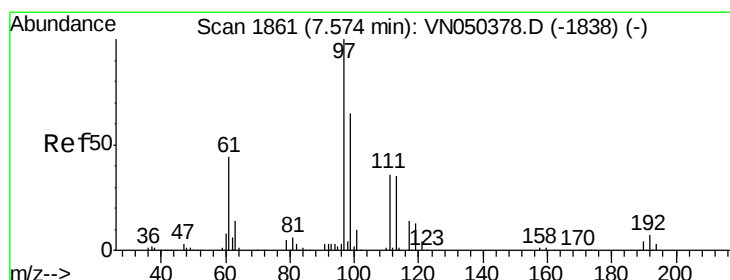
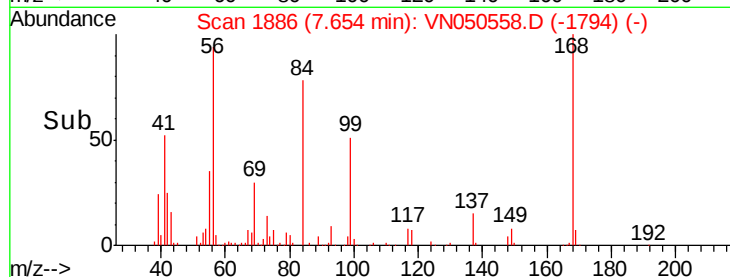
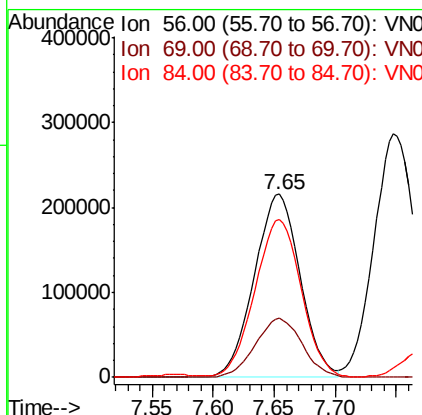
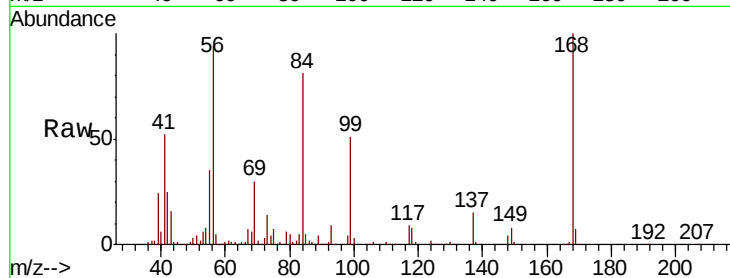
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 563748 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 32.1  | 26.2  | 39.4   |
| 84        | 85.1  | 67.4  | 101.0  |

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#32

1,1,1-Trichloroethane

Concen: 44.68 ug/l

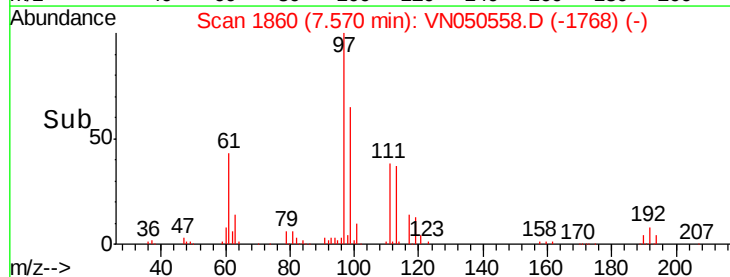
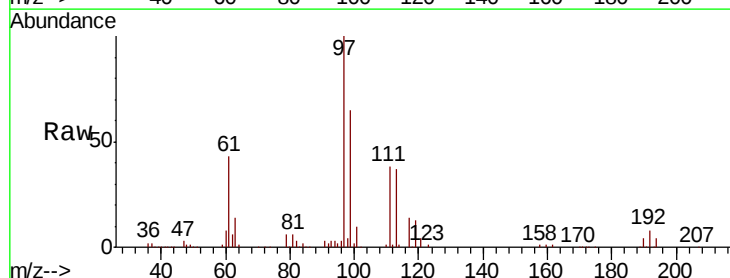
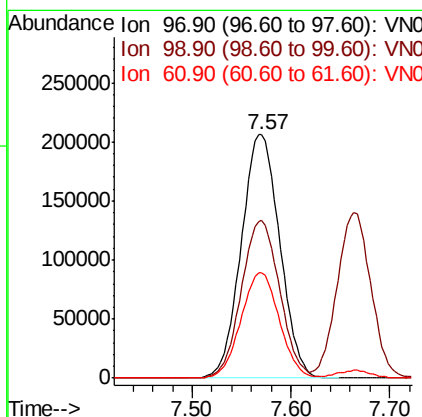
RT: 7.57 min Scan# 1860

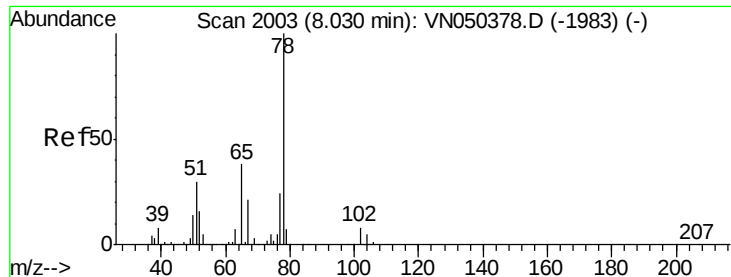
Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 555957 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 64.5  | 51.4  | 77.0   |
| 61        | 43.3  | 35.4  | 53.0   |





#33

1,2-Dichloroethane-d4

Concen: 43.96 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 391225

Ion Ratio Lower Upper

65 100

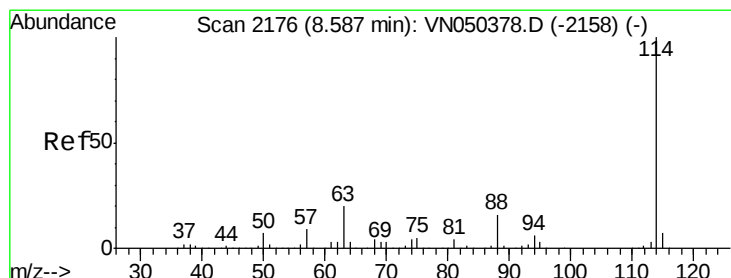
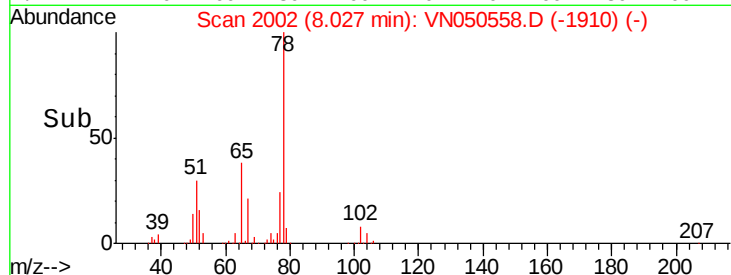
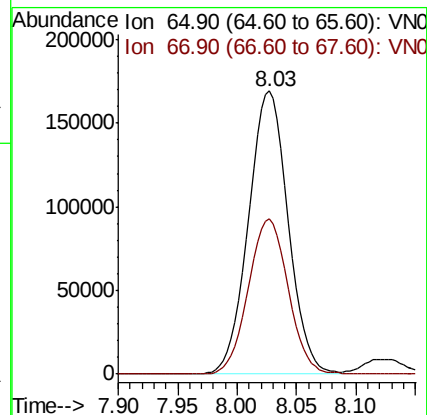
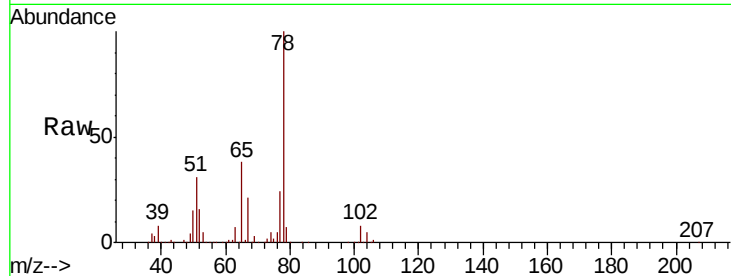
67 55.2 0.0 108.4

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

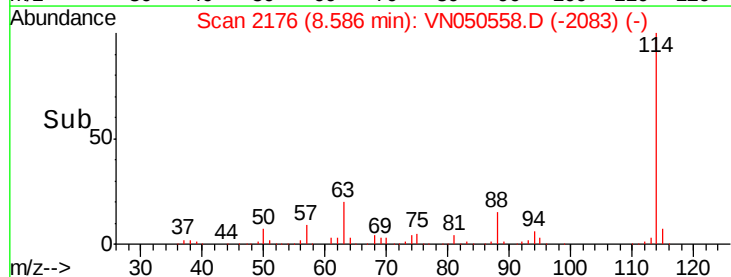
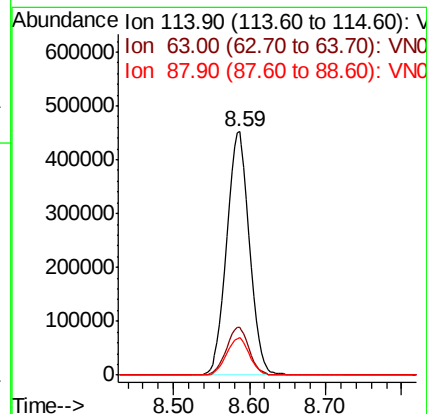
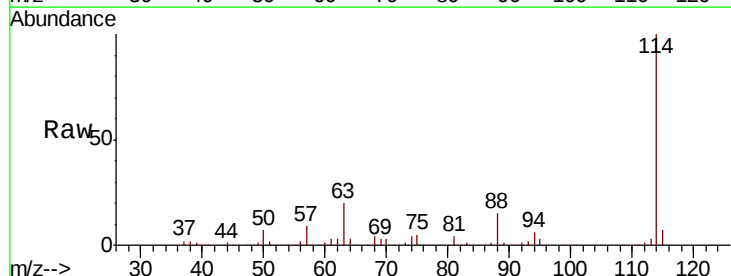
Tgt Ion: 114 Resp: 943131

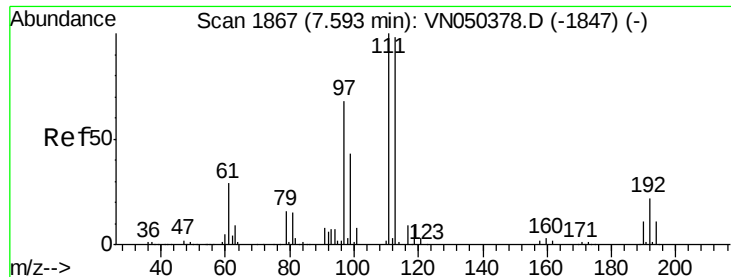
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 15.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.20 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

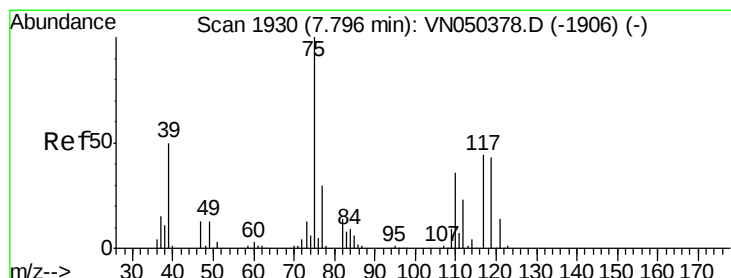
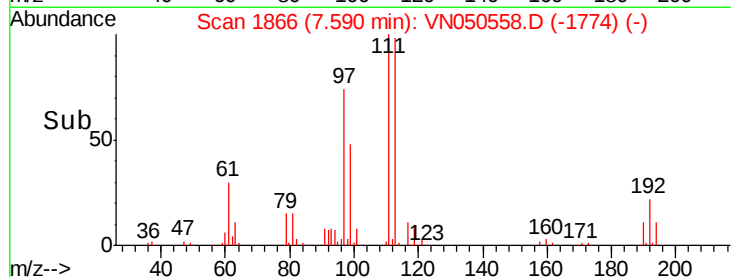
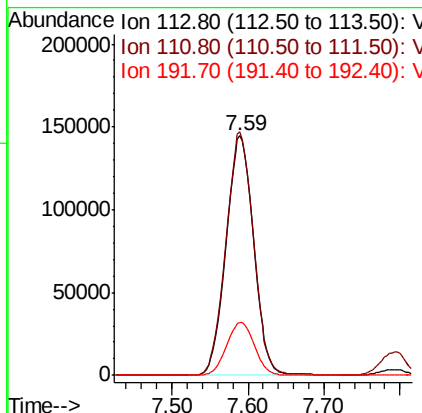
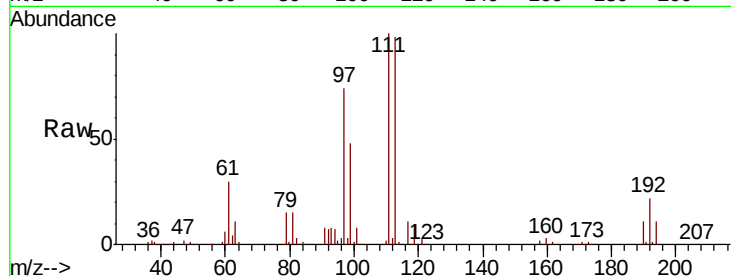
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 113   | Resp: | 364726 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 101.2 | 80.7  | 121.1  |
| 192      | 22.3  | 17.8  | 26.6   |

Manual Integrations  
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#36

1,1-Dichloropropene

Concen: 48.33 ug/l

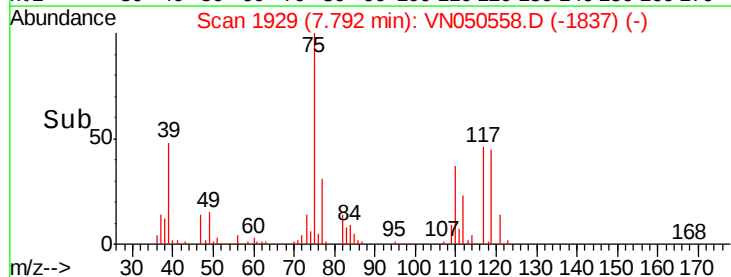
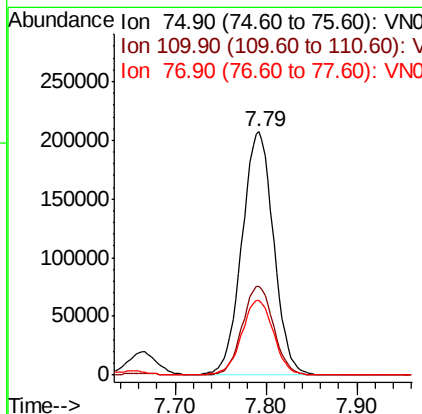
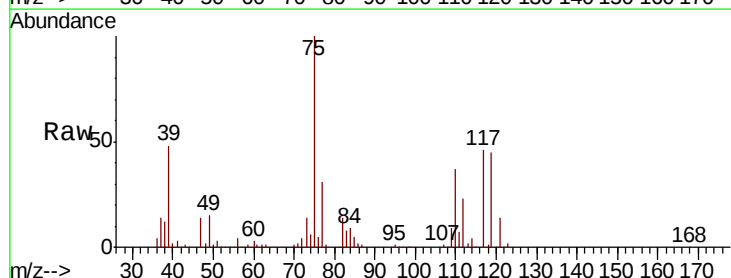
RT: 7.79 min Scan# 1929

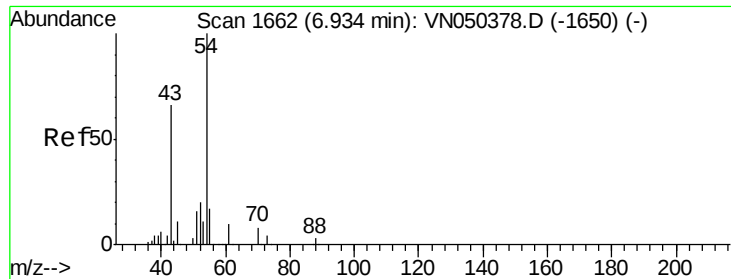
Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 500794 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 36.1  | 18.4  | 55.2   |
| 77       | 30.7  | 25.3  | 37.9   |





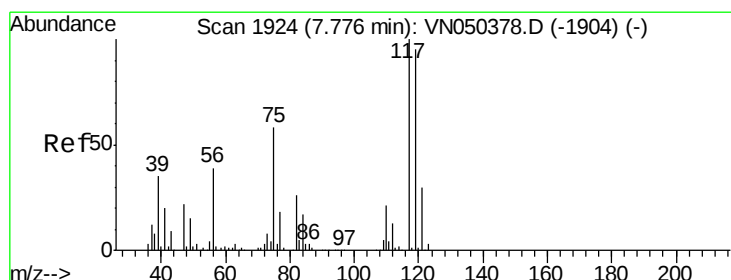
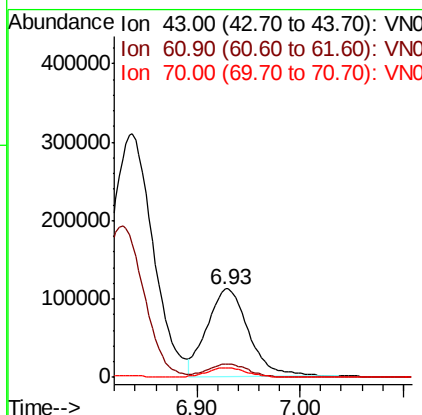
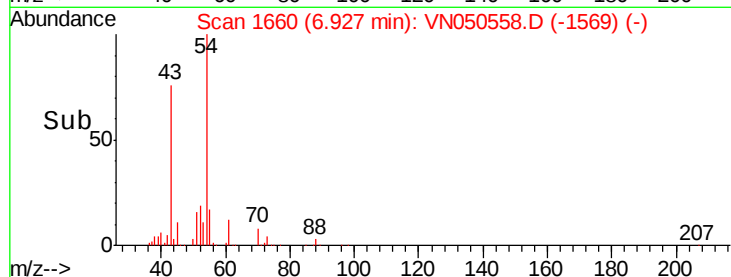
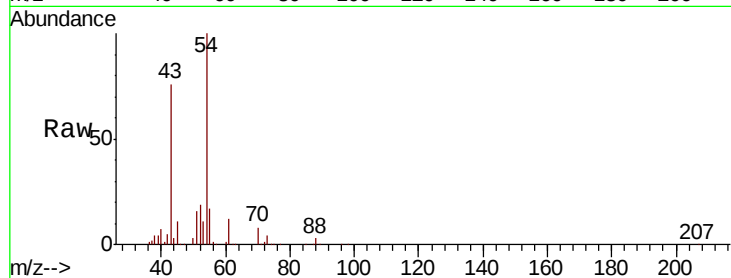
#37  
Ethyl Acetate  
Concen: 42.15 ug/l  
RT: 6.93 min Scan# 1660  
Delta R.T. -0.01 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.7  | 11.8  | 17.8  |
| 70      | 10.3  | 8.4   | 12.6  |

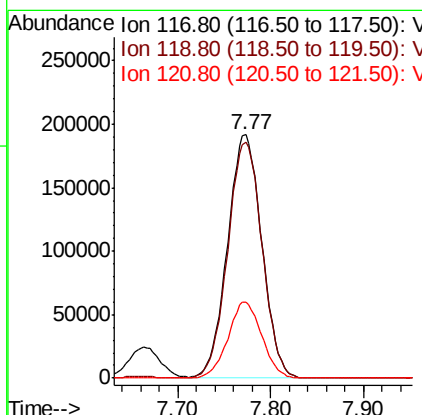
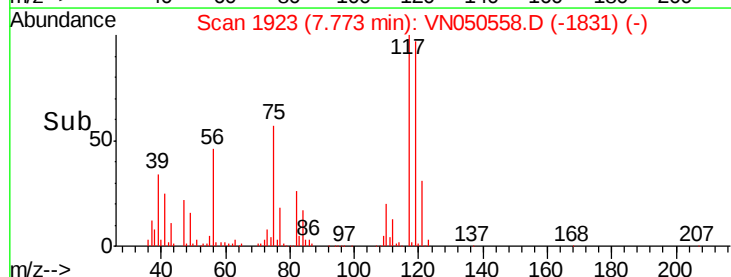
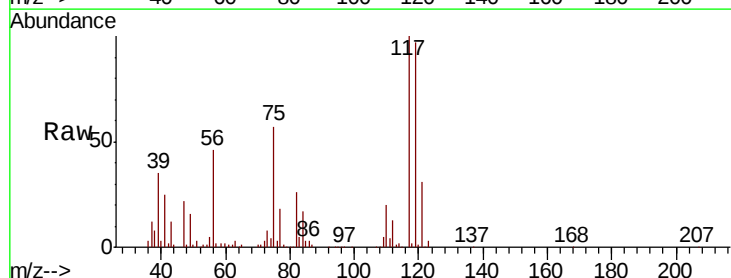
Manual Integrations  
APPROVED

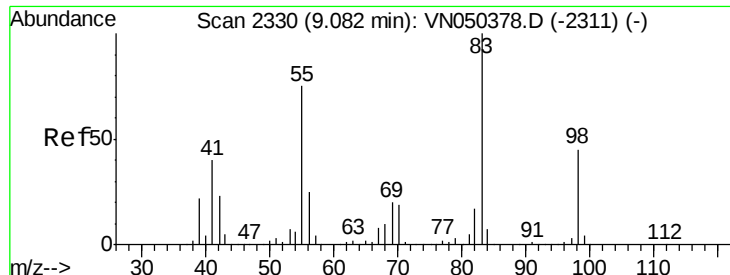
MMDadoda  
8/14/2018 12:50:43 PM



#38  
Carbon Tetrachloride  
Concen: 45.55 ug/l  
RT: 7.77 min Scan# 1923  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.8  | 77.4  | 116.0 |
| 121     | 31.2  | 23.9  | 35.9  |





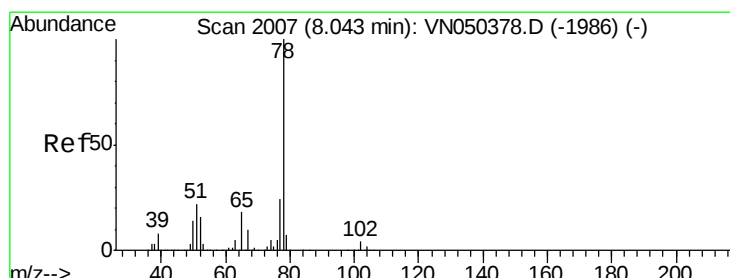
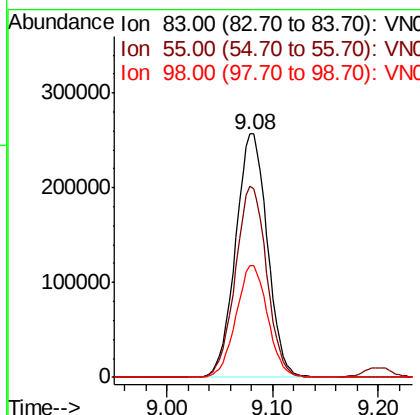
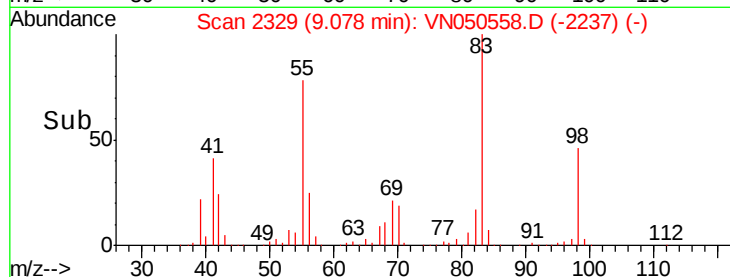
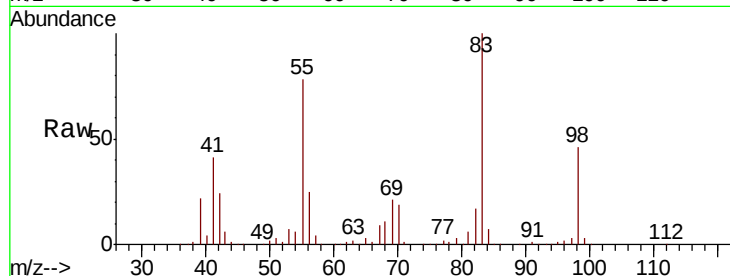
#39  
Methvlcvclohexane  
Concen: 47.43 ug/l  
RT: 9.08 min Scan# 2329  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 536448 |       |       |
| 55      | 78.4  | 61.8   | 92.8  |       |
| 98      | 45.8  | 36.5   | 54.7  |       |

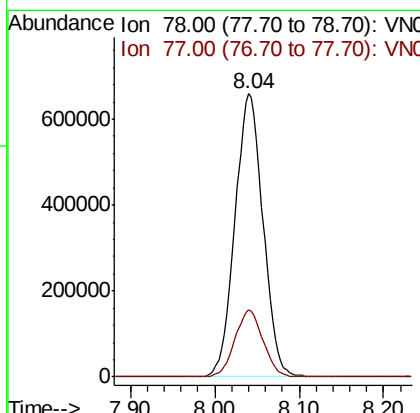
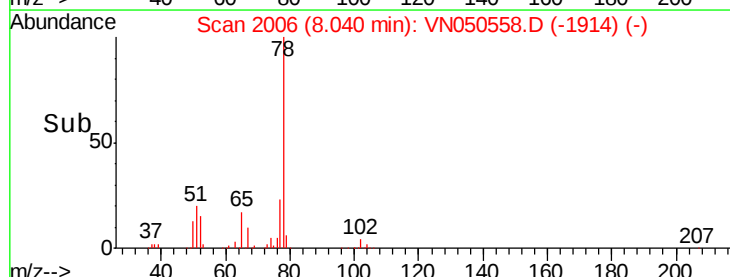
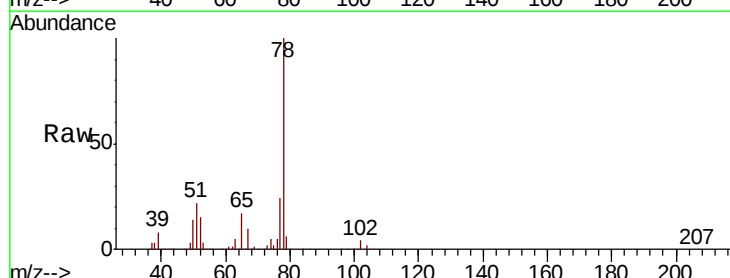
Manual Integrations  
APPROVED

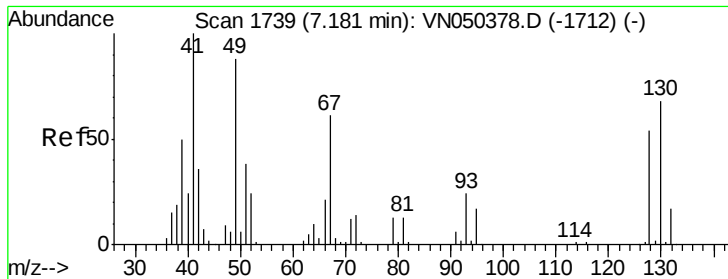
MMDadoda  
8/14/2018 12:50:43 PM



#40  
Benzene  
Concen: 47.98 ug/l  
RT: 8.04 min Scan# 2006  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 78      | 100   | 1528661 |       |       |
| 77      | 23.5  | 18.7    | 28.1  |       |





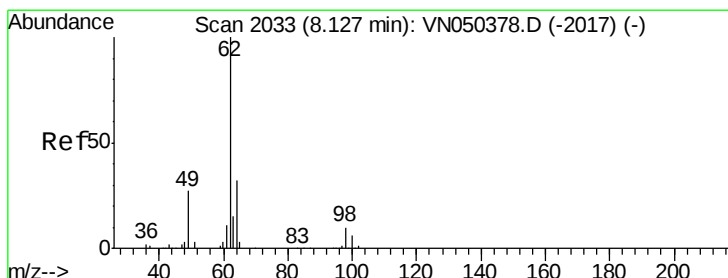
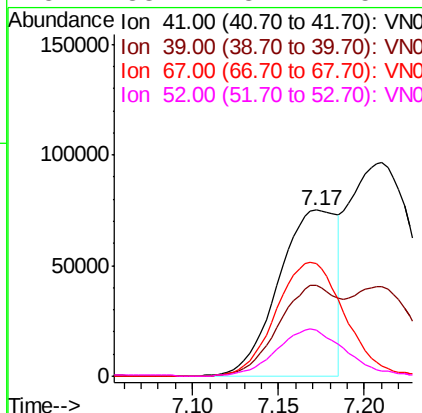
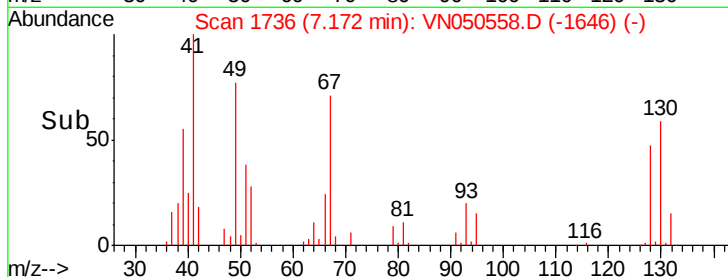
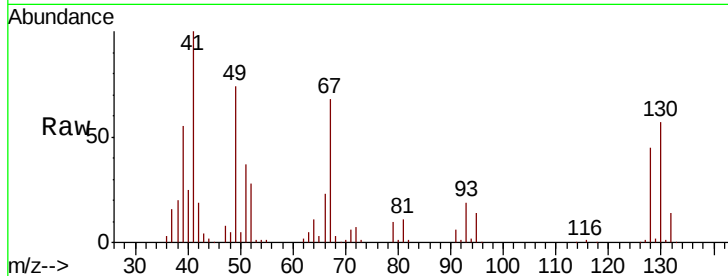
#41  
Methacrylonitrile  
Concen: 44.72 ug/l  
RT: 7.17 min Scan# 1736  
Delta R.T. -0.01 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 41      | 100   |       |        |
| 39      | 56.9  | 55.8  | 83.6   |
| 67      | 81.7  | 84.3  | 126.5# |
| 52      | 33.2  | 34.2  | 51.2#  |

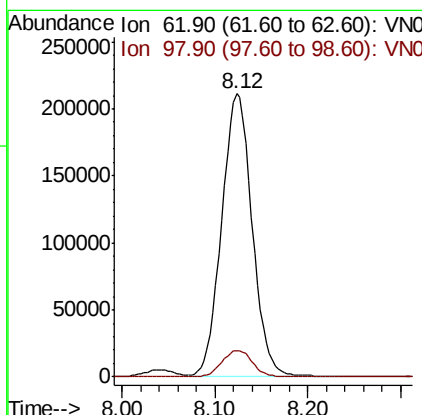
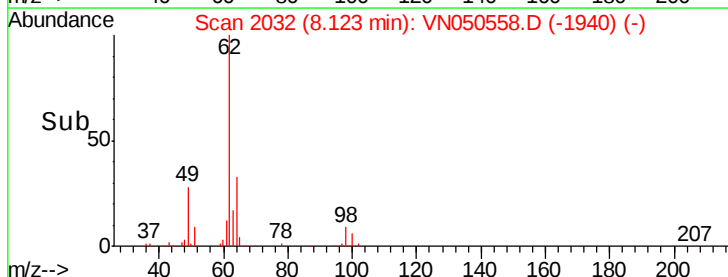
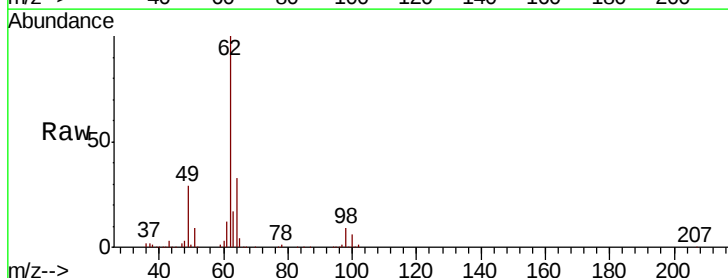
Manual Integrations  
APPROVED

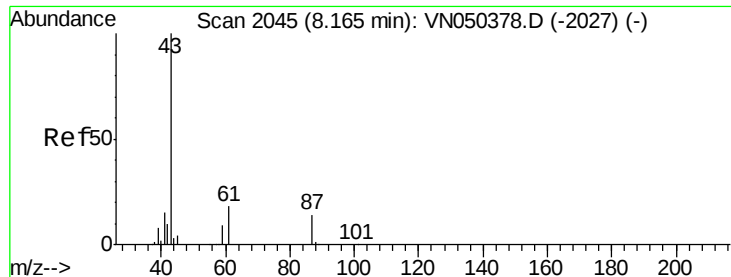
MMDadoda  
8/14/2018 12:50:43 PM



#42  
1,2-Dichloroethane  
Concen: 47.52 ug/l  
RT: 8.12 min Scan# 2032  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.4   | 0.0   | 18.8  |





#43

Isopropyl Acetate

Concen: 43.44 ug/l

RT: 8.16 min Scan# 2044

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

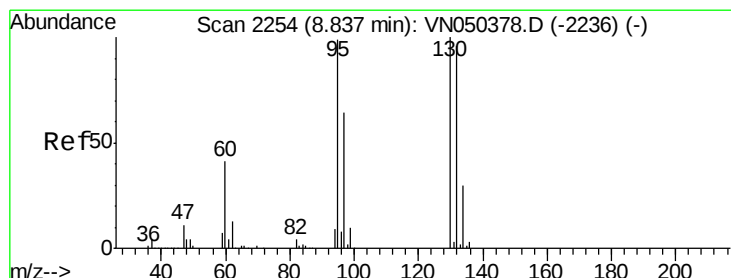
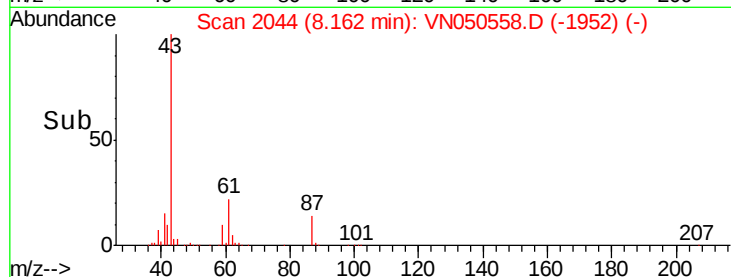
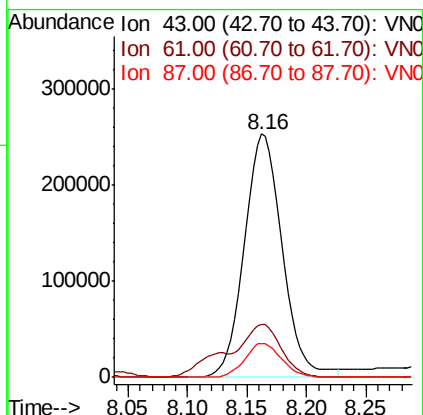
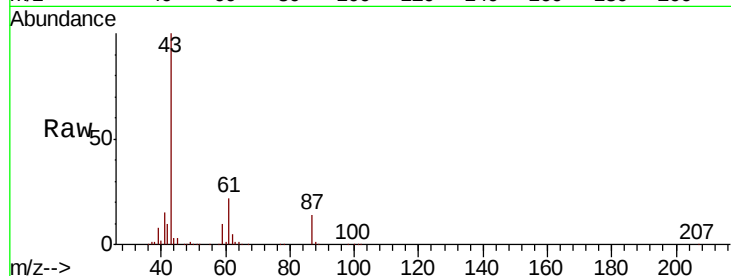
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 559587 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 20.9  | 15.8  | 23.6   |
| 87       | 13.6  | 10.3  | 15.5   |

Manual Integrations  
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8/14/2018 12:50:43 PM



#44

Trichloroethene

Concen: 46.00 ug/l

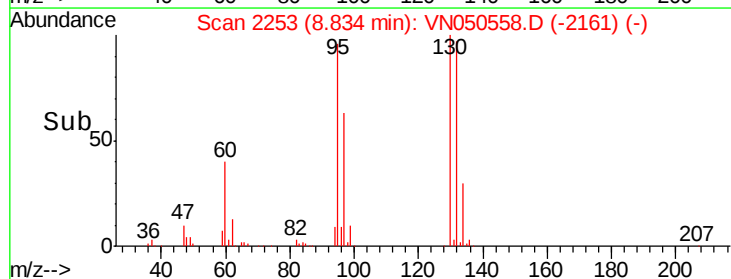
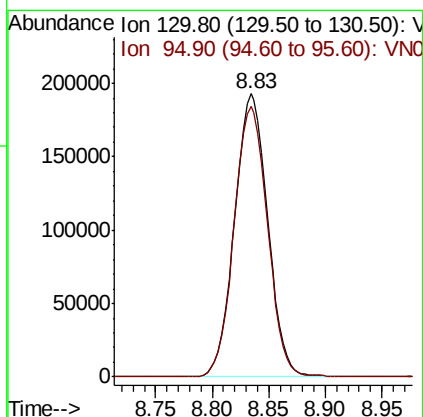
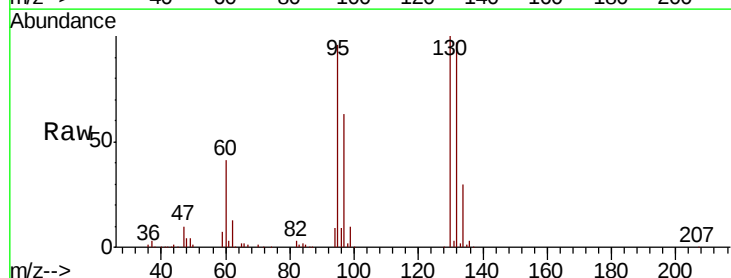
RT: 8.83 min Scan# 2253

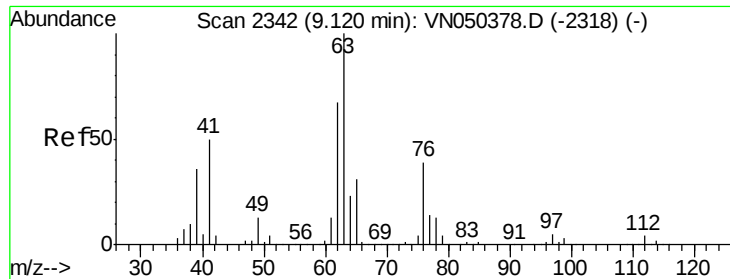
Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 393795 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 95.6  | 0.0   | 194.6  |





#45

1,2-Dichloropropane

Concen: 49.13 ug/l

RT: 9.12 min Scan# 2341

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 411545

Ion Ratio Lower Upper

63 100

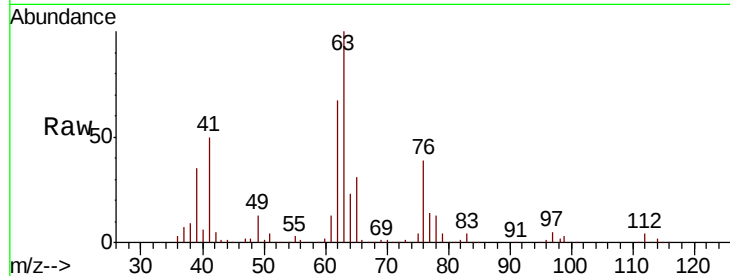
65 31.1 25.5 38.3

Manual Integrations

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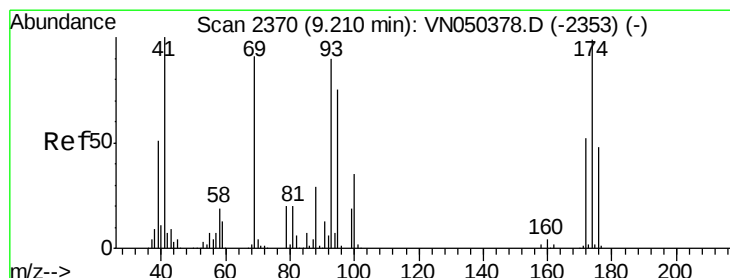
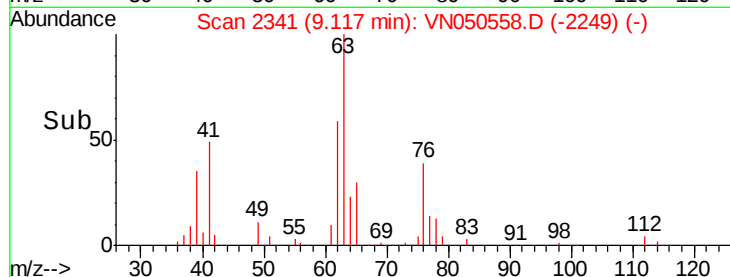
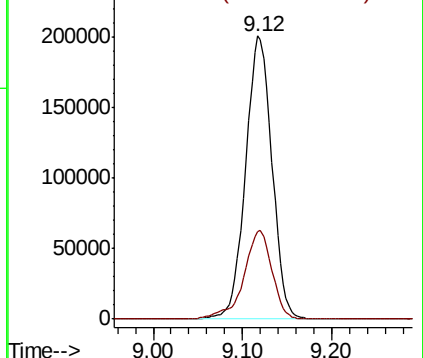
MMDadoda

8/14/2018 12:50:43 PM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 47.52 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

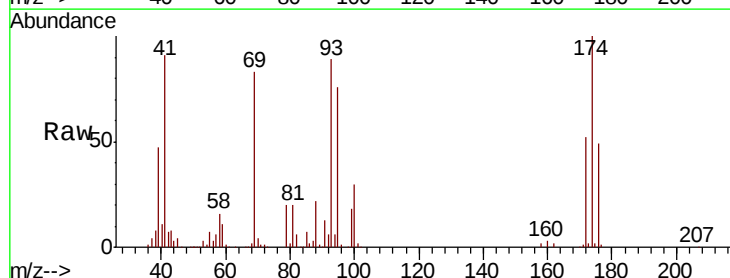
Tgt Ion: 93 Resp: 245812

Ion Ratio Lower Upper

93 100

95 83.4 66.6 100.0

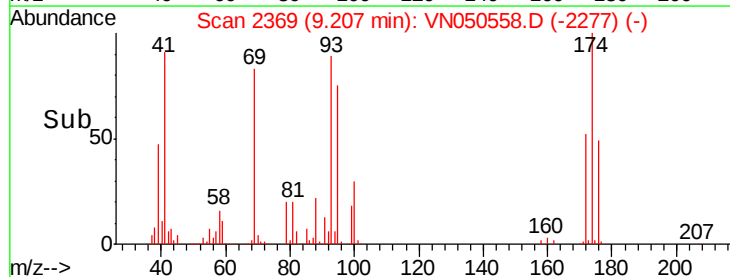
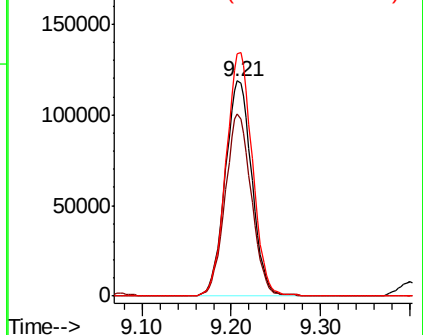
174 111.6 87.1 130.7

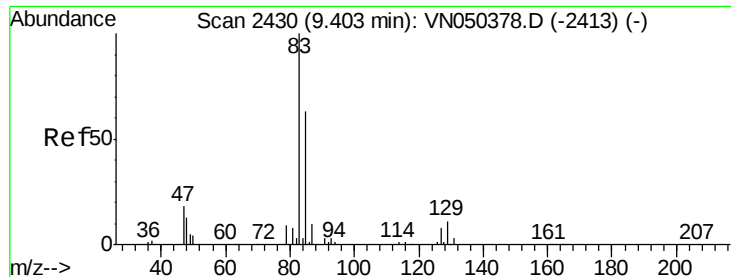


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





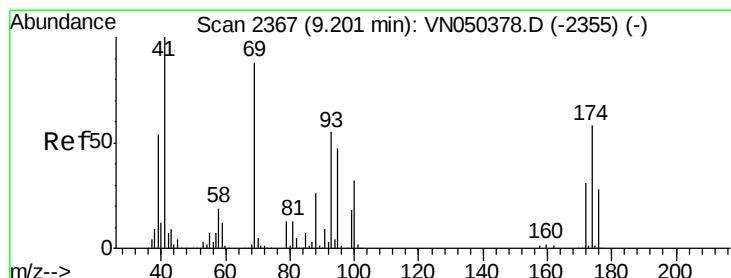
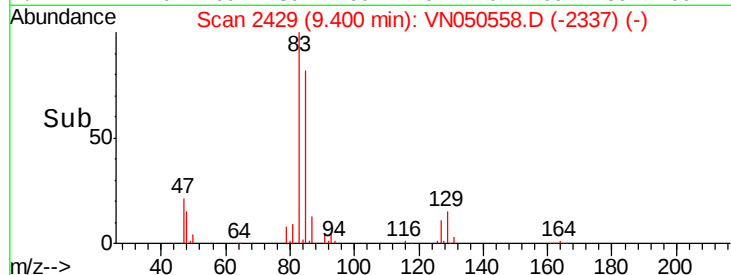
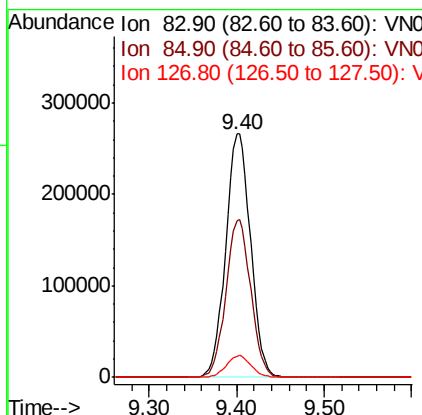
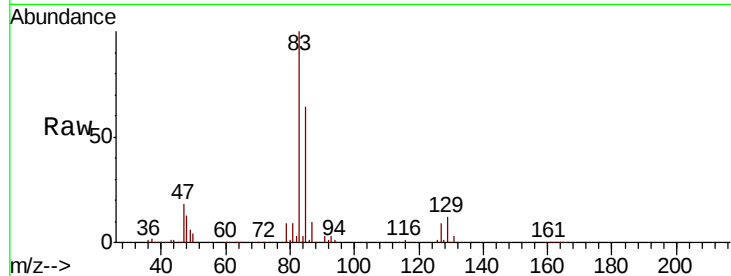
#47  
Bromodichloromethane  
Concen: 48.94 ug/l  
RT: 9.40 min Scan# 2429  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 524301 |       |       |
| 85      | 64.5  | 51.1   | 76.7  |       |
| 127     | 8.8   | 7.0    | 10.4  |       |

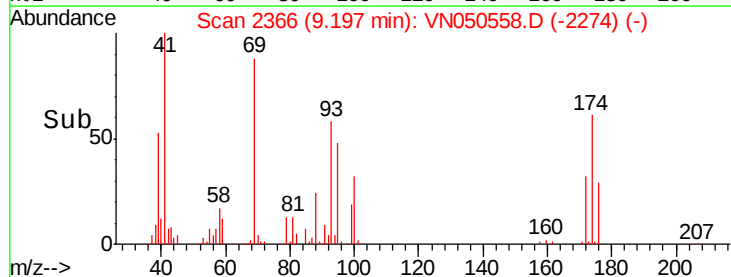
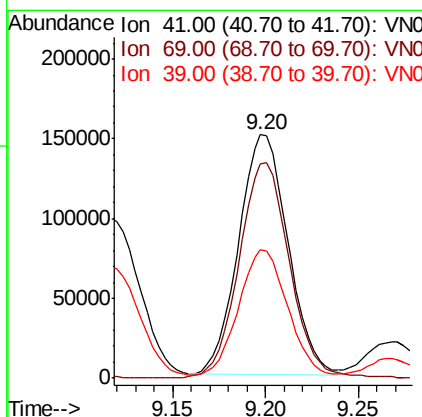
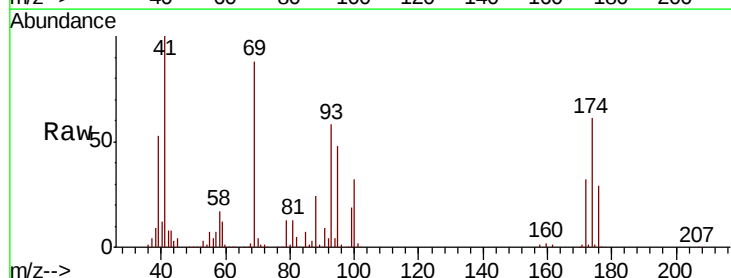
Manual Integrations  
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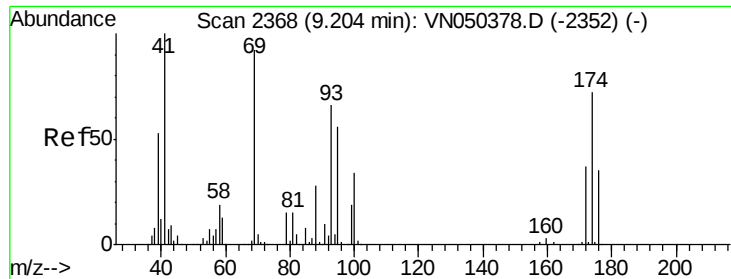
MMDadoda  
8/14/2018 12:50:43 PM



#48  
Methyl methacrylate  
Concen: 43.28 ug/l  
RT: 9.20 min Scan# 2366  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 41      | 100   | 279454 |       |       |
| 69      | 91.7  | 70.6   | 105.8 |       |
| 39      | 53.5  | 43.9   | 65.9  |       |





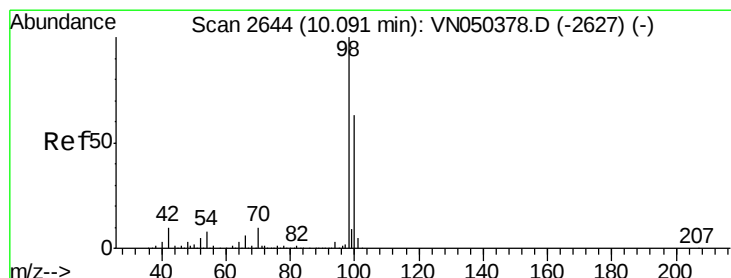
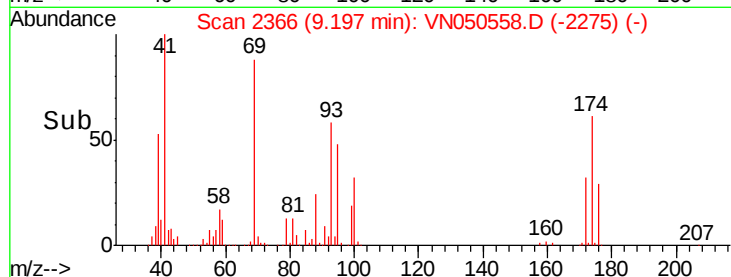
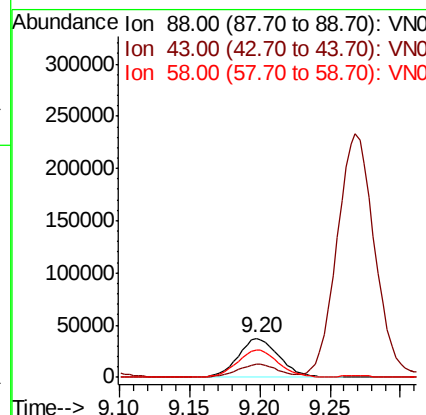
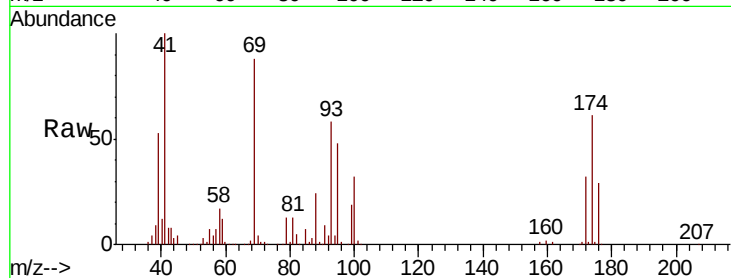
#49  
1,4-Dioxane  
Concen: 760.96 ug/l  
RT: 9.20 min Scan# 2366  
Delta R.T. -0.01 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.3  | 26.9  | 40.3  |
| 58      | 71.1  | 57.3  | 85.9  |

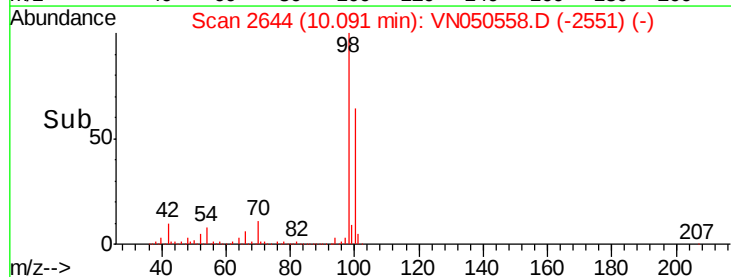
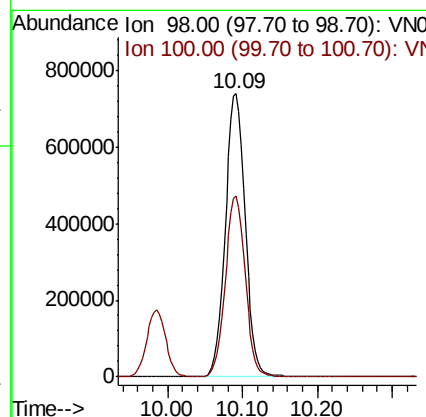
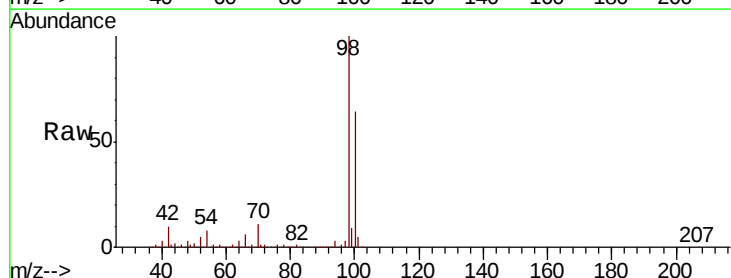
Manual Integrations  
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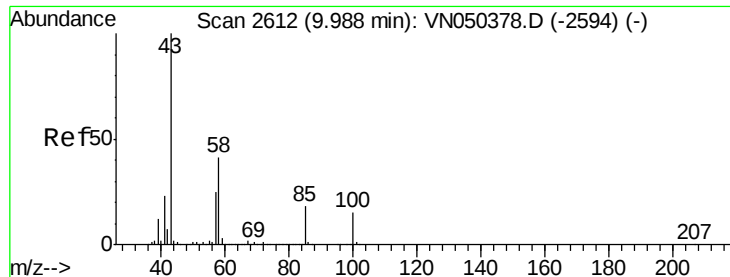
MMDadoda  
8/14/2018 12:50:43 PM



#50  
Toluene-d8  
Concen: 47.65 ug/l  
RT: 10.09 min Scan# 2644  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.9  | 50.7  | 76.1  |





#51

4-Methyl-2-Pentanone

Concen: 216.13 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2005225

Ion Ratio Lower Upper

43 100

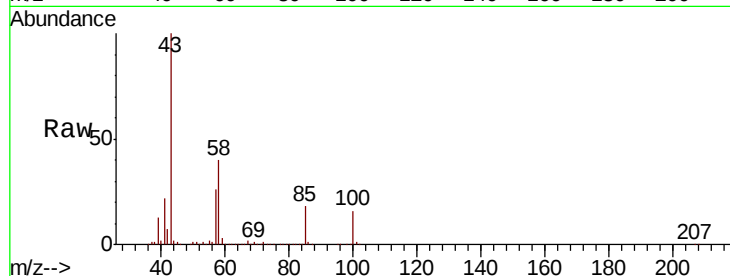
58 40.6 31.9 47.9

Manual Integrations

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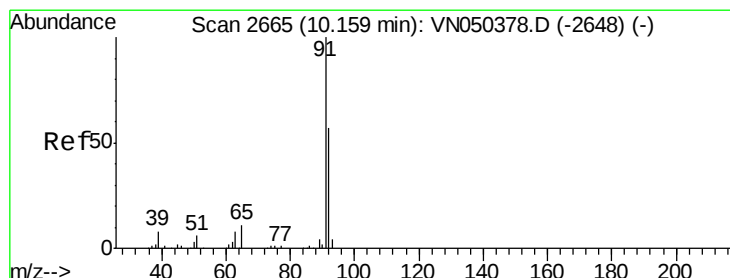
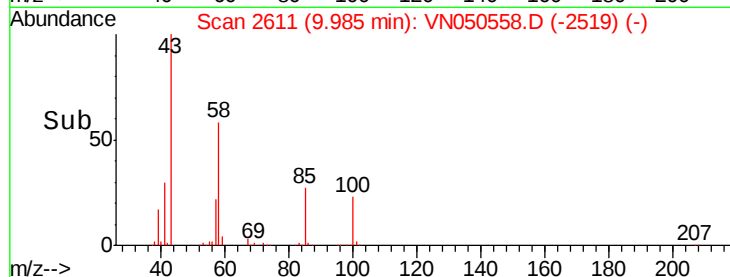
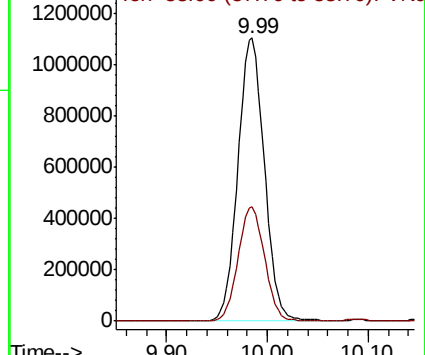
MMDadoda

8/14/2018 12:50:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.66 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050558.D

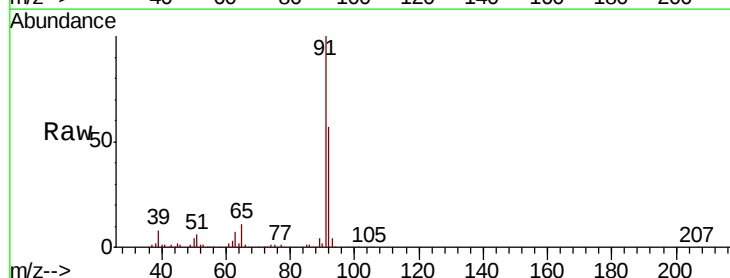
Acq: 13 Aug 2018 10:48

Tgt Ion: 92 Resp: 950394

Ion Ratio Lower Upper

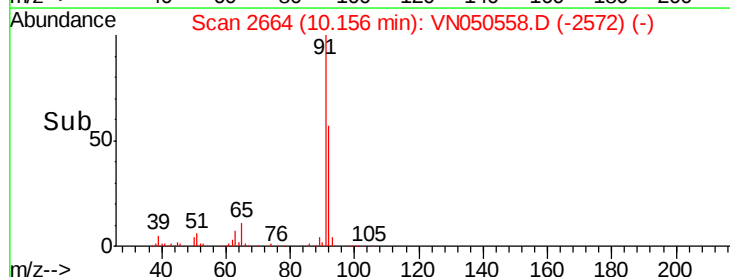
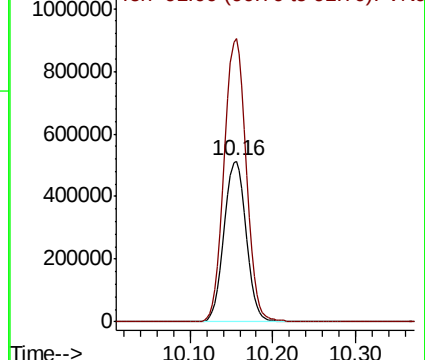
92 100

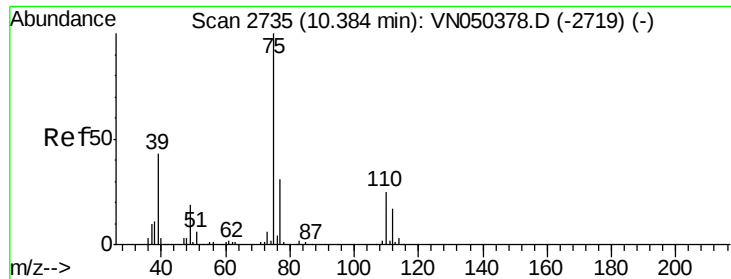
91 175.9 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





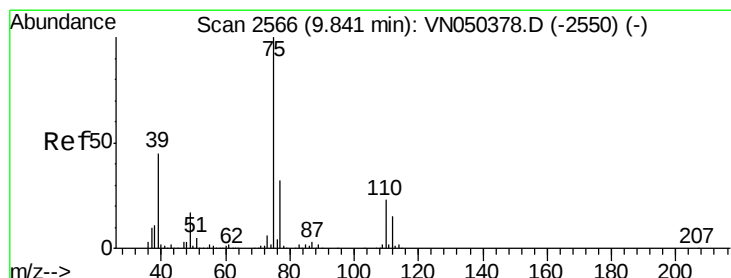
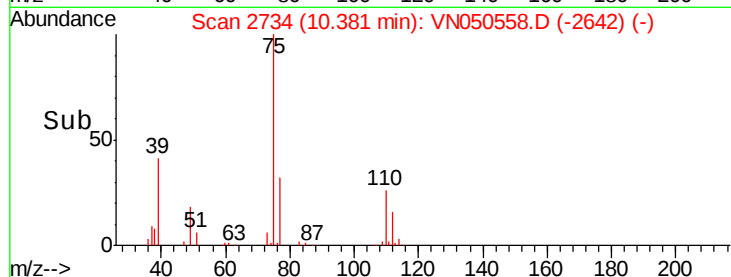
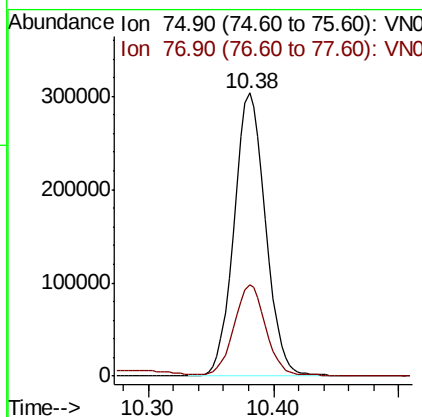
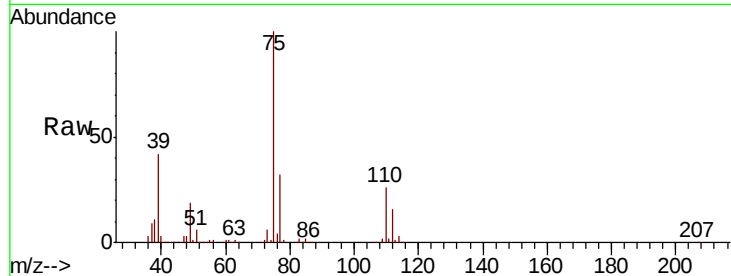
#53  
t-1,3-Dichloropropene  
Concen: 49.26 ug/l  
RT: 10.38 min Scan# 2734  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.0  | 24.9  | 37.3  |

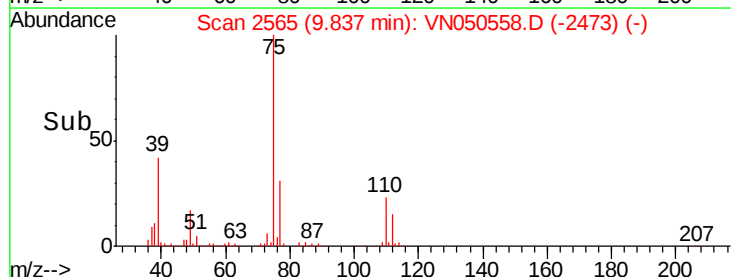
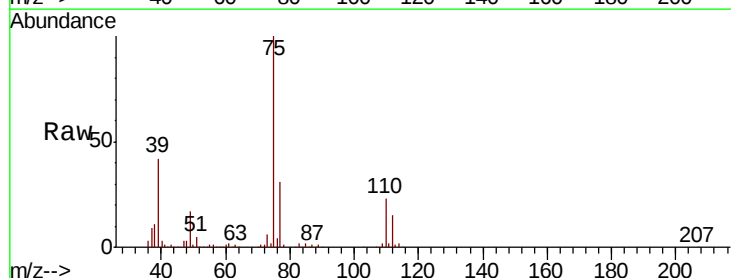
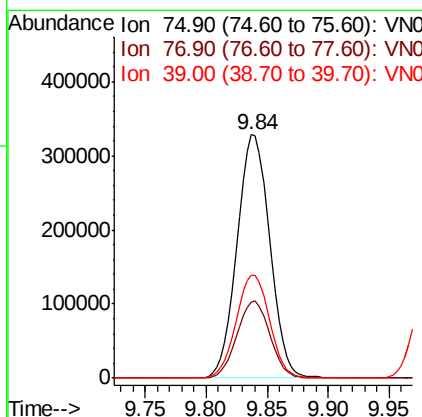
Manual Integrations  
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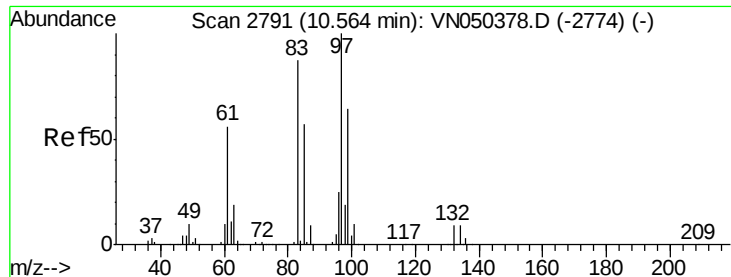
MMDadoda  
8/14/2018 12:50:43 PM



#54  
cis-1,3-Dichloropropene  
Concen: 50.89 ug/l  
RT: 9.84 min Scan# 2565  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.5  | 25.5  | 38.3  |
| 39      | 42.1  | 36.6  | 55.0  |





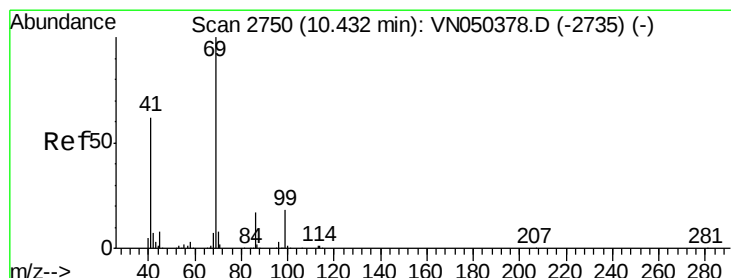
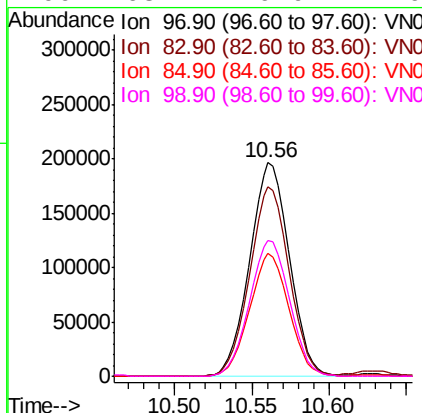
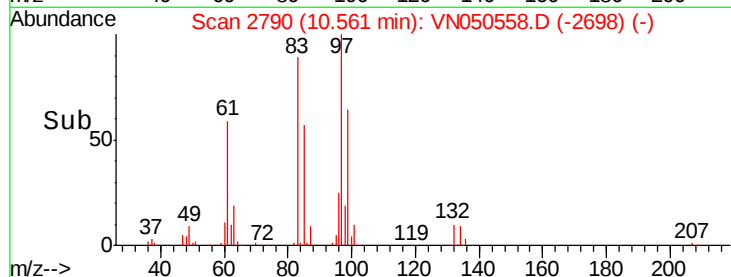
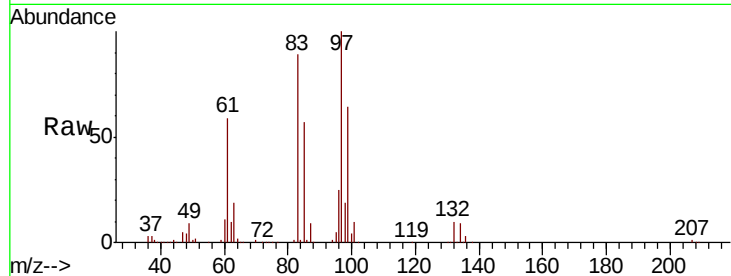
#55  
 1,1,2-Trichloroethane  
 Concen: 47.14 ug/l  
 RT: 10.56 min Scan# 2790  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 352197 |       |       |
| 83      | 88.9 | 69.2  | 103.8  |       |       |
| 85      | 57.3 | 44.0  | 66.0   |       |       |
| 99      | 63.7 | 49.9  | 74.9   |       |       |

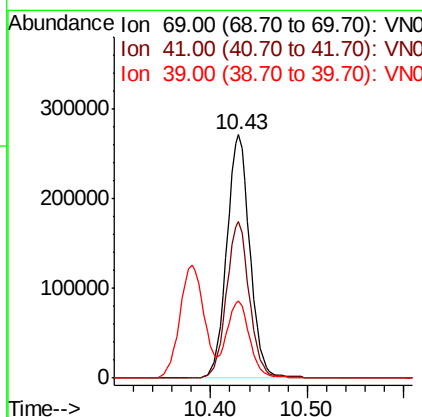
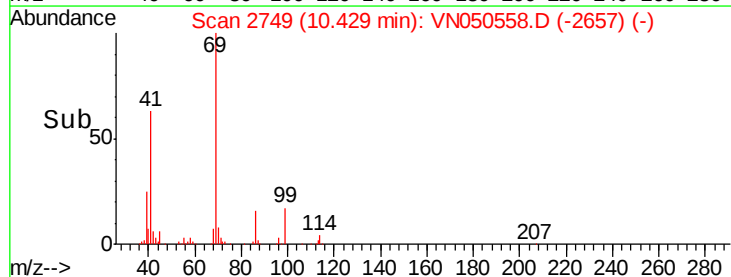
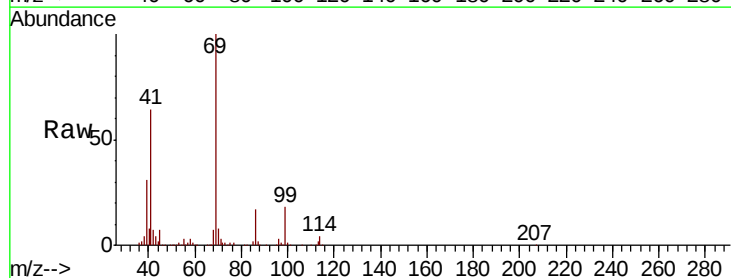
Manual Integrations  
 APPROVED

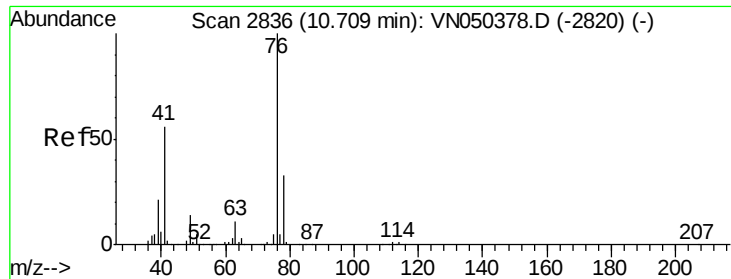
MMDadoda  
 8/14/2018 12:50:43 PM



#56  
 Ethyl methacrylate  
 Concen: 42.69 ug/l  
 RT: 10.43 min Scan# 2749  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 448568 |       |       |
| 41      | 63.1 | 51.0  | 76.4   |       |       |
| 39      | 31.4 | 26.6  | 40.0   |       |       |





#57

1,3-Dichloropropane

Concen: 48.57 ug/l

RT: 10.71 min Scan# 2835

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 595664

Ion Ratio Lower Upper

76 100

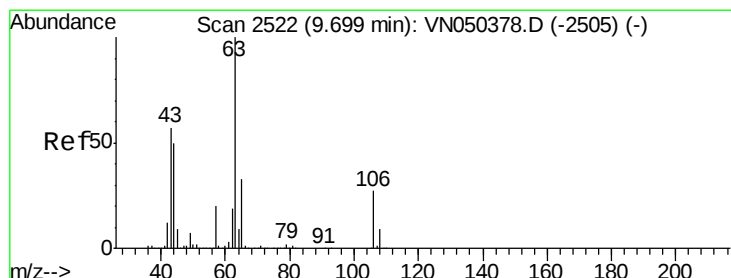
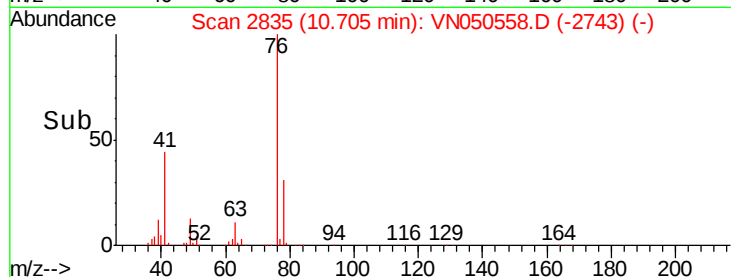
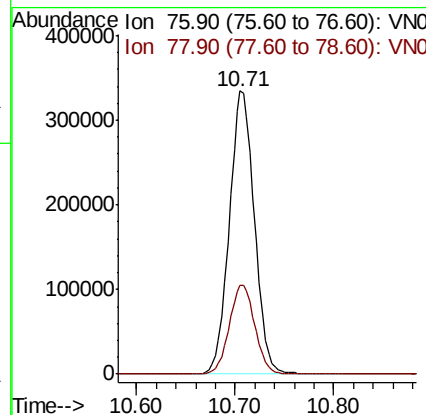
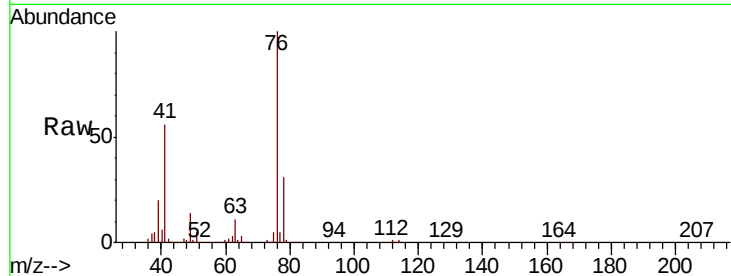
78 32.0 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 218.46 ug/l

RT: 9.69 min Scan# 2520

Delta R.T. -0.01 min

Lab File: VN050558.D

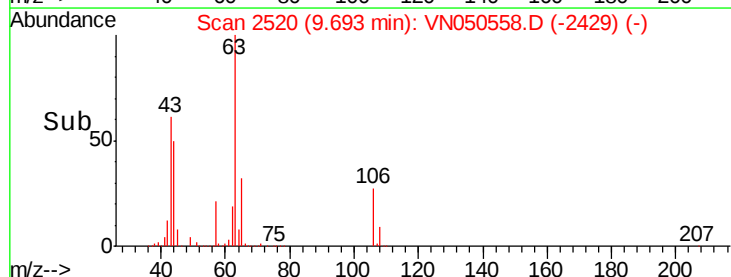
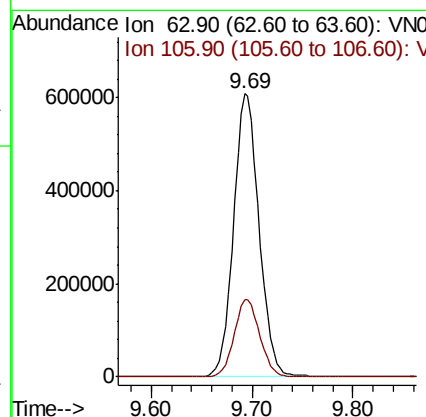
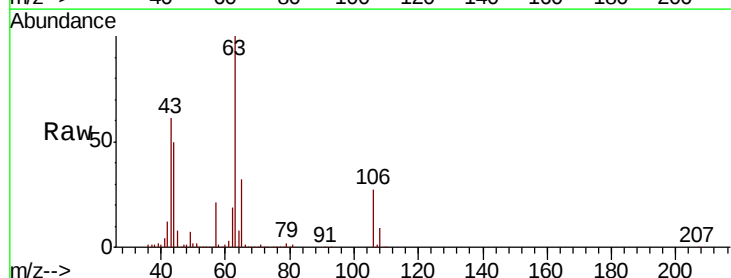
Acq: 13 Aug 2018 10:48

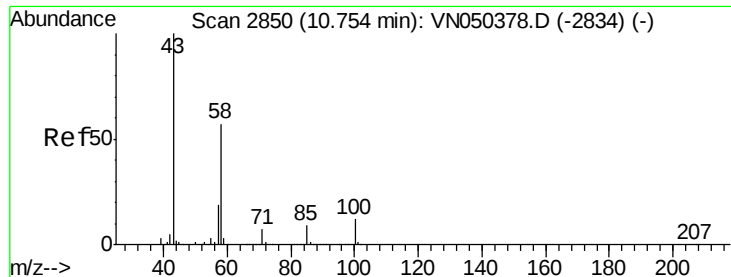
Tgt Ion: 63 Resp: 1071827

Ion Ratio Lower Upper

63 100

106 27.3 21.7 32.5





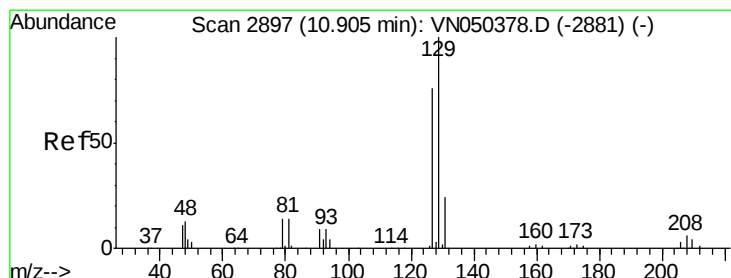
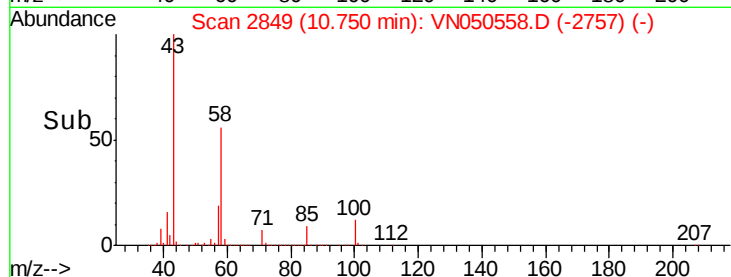
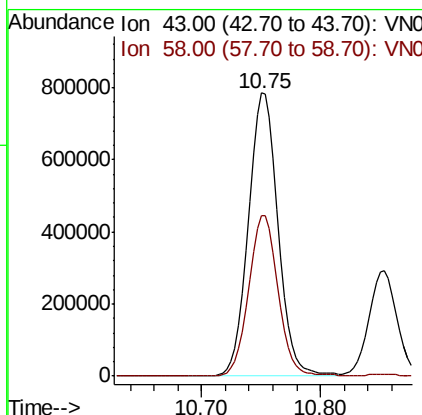
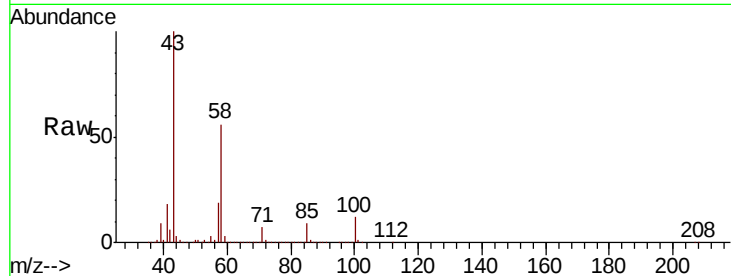
#59  
2-Hexanone  
Concen: 209.07 ug/l  
RT: 10.75 min Scan# 2849  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 1353676  
Ion Ratio Lower Upper  
43 100  
58 56.4 27.6 82.7

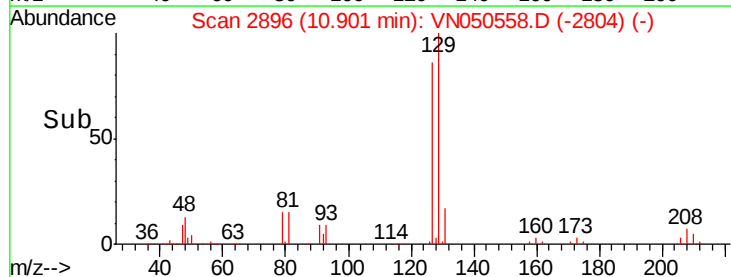
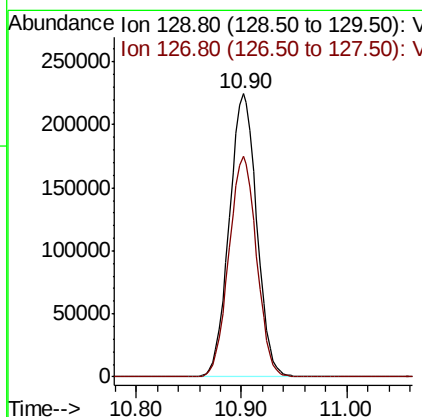
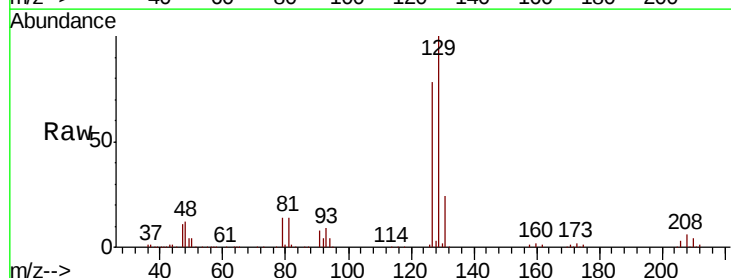
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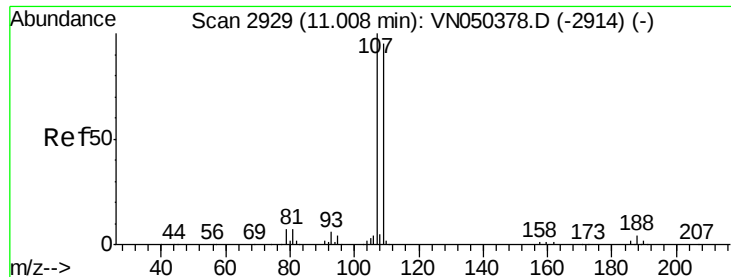
MMDadoda  
8/14/2018 12:50:43 PM



#60  
Dibromochloromethane  
Concen: 49.16 ug/l  
RT: 10.90 min Scan# 2896  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Tgt Ion: 129 Resp: 404582  
Ion Ratio Lower Upper  
129 100  
127 78.4 38.0 113.9





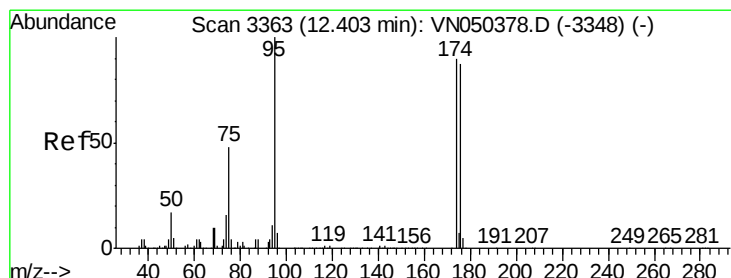
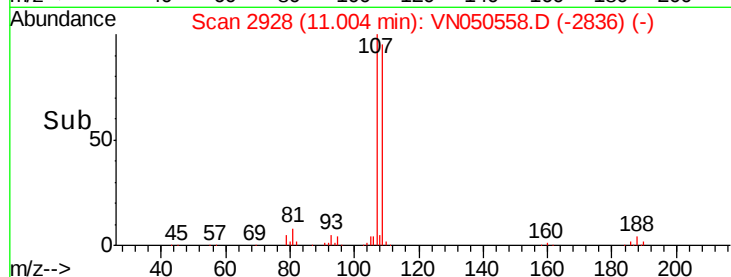
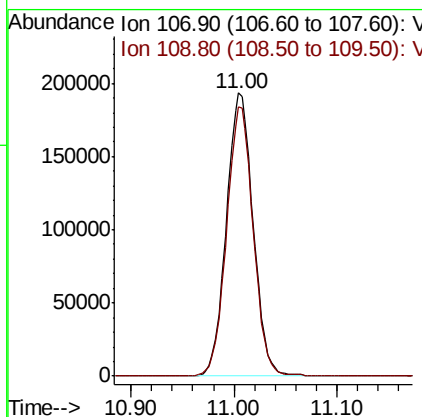
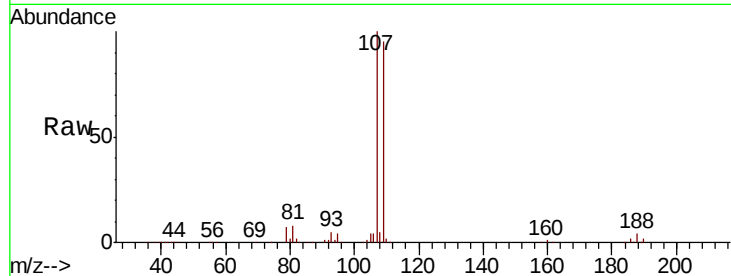
#61  
 1,2-Dibromoethane  
 Concen: 47.40 ug/l  
 RT: 11.00 min Scan# 2928  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 107 Resp: 349093  
 Ion Ratio Lower Upper  
 107 100  
 109 94.8 74.6 112.0

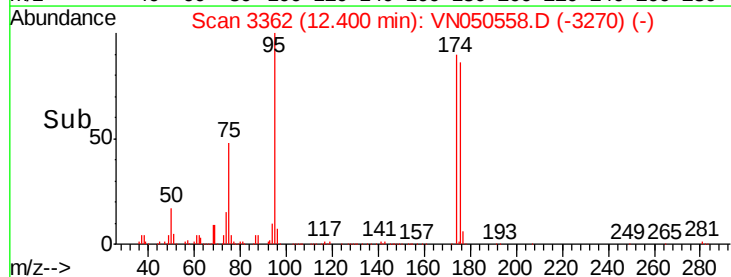
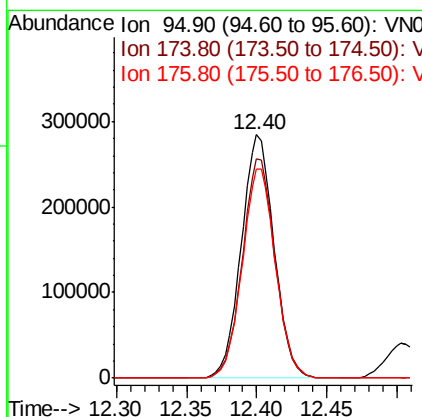
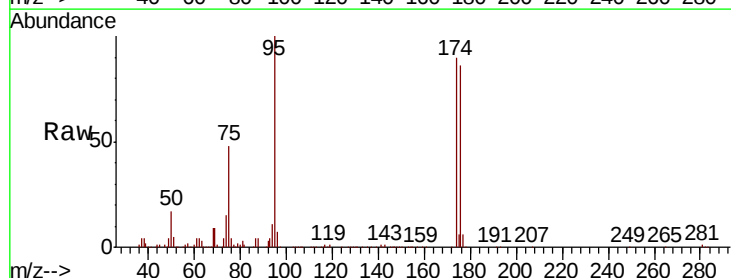
Manual Integrations  
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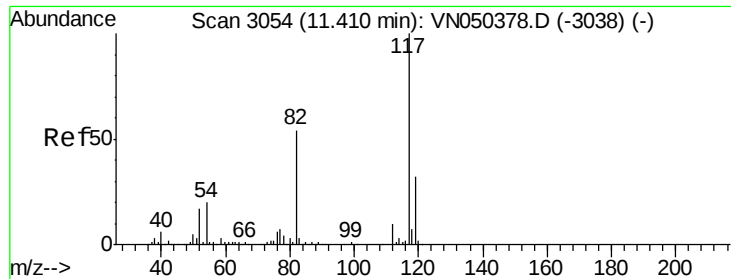
MMDadoda  
 8/14/2018 12:50:43 PM



#62  
 4-Bromofluorobenzene  
 Concen: 47.72 ug/l  
 RT: 12.40 min Scan# 3362  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

Tgt Ion: 95 Resp: 462745  
 Ion Ratio Lower Upper  
 95 100  
 174 90.3 0.0 178.2  
 176 87.2 0.0 173.4





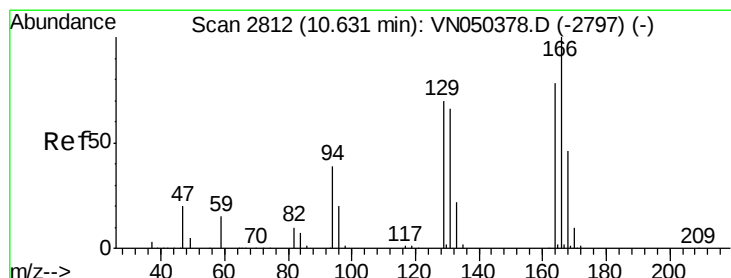
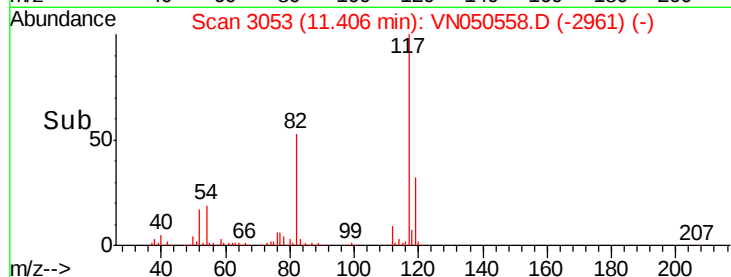
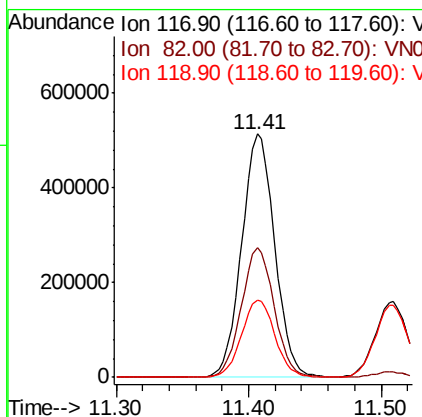
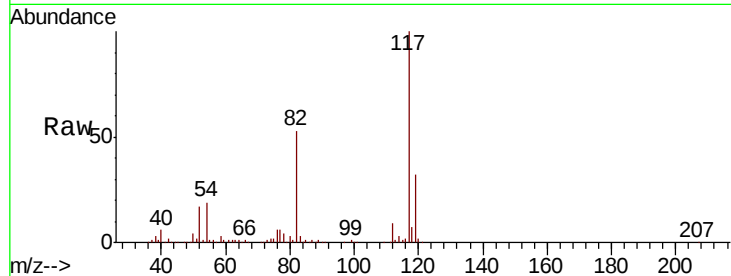
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3053  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 888155 |       |       |
| 82      | 53.1  |        | 43.7  | 65.5  |
| 119     | 31.7  |        | 26.1  | 39.1  |

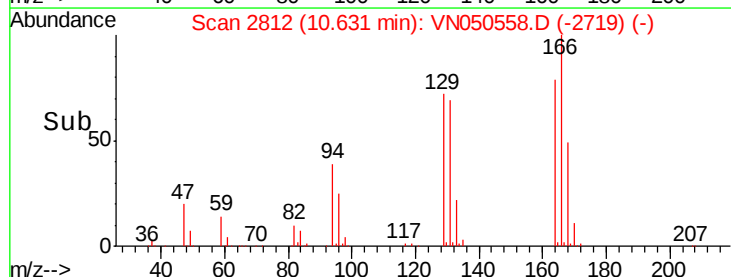
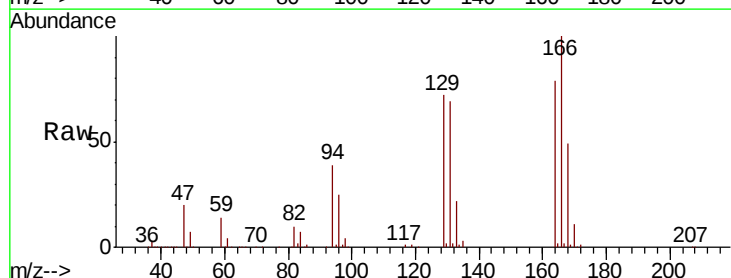
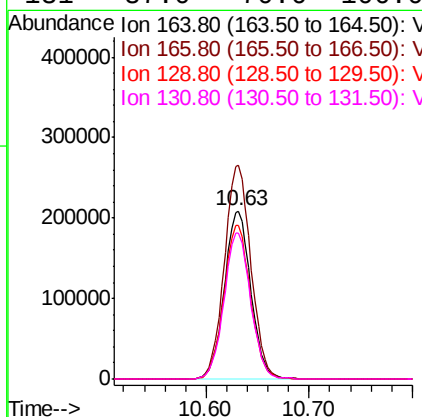
Manual Integrations  
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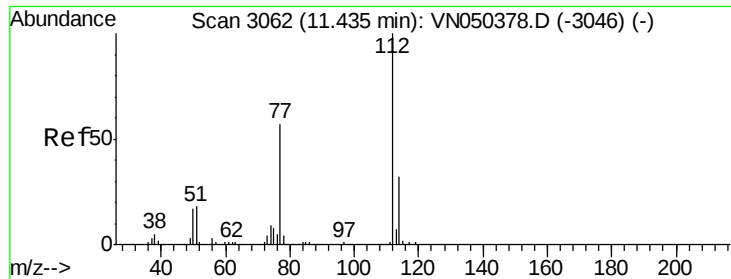
MMDadoda  
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#64  
Tetrachloroethene  
Concen: 44.80 ug/l  
RT: 10.63 min Scan# 2812  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 371803 |       |       |
| 166     | 126.9 |        | 102.1 | 153.1 |
| 129     | 91.6  |        | 73.2  | 109.8 |
| 131     | 87.0  |        | 70.6  | 106.0 |





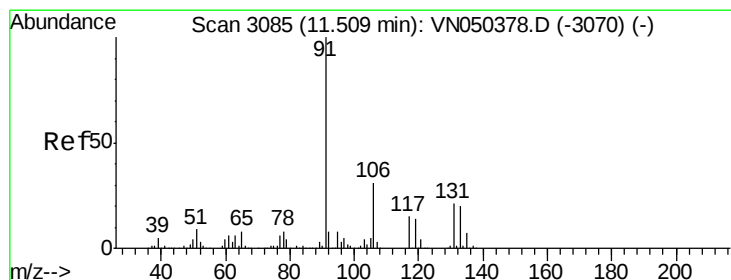
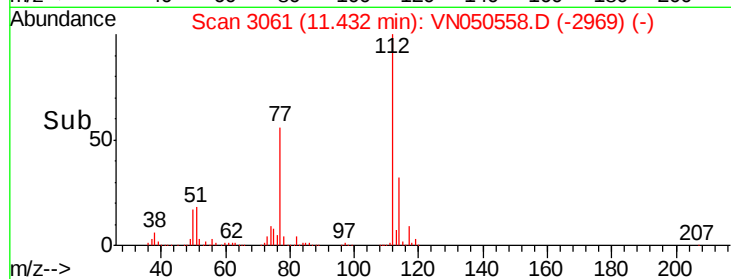
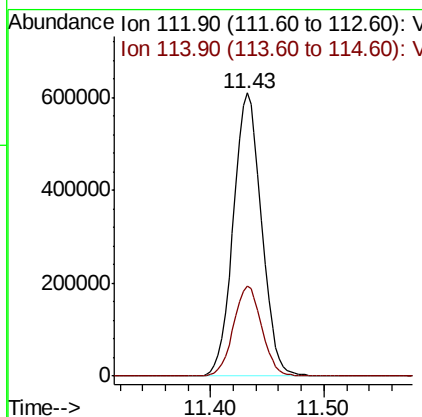
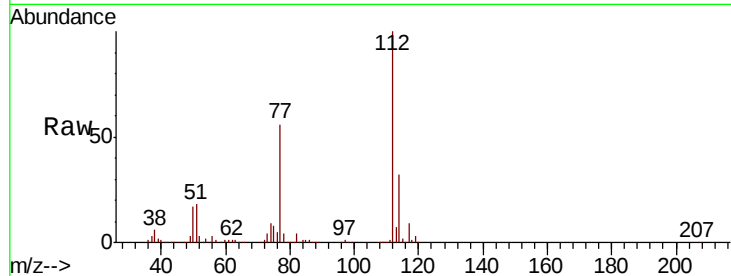
#65  
Chlorobenzene  
Concen: 47.52 ug/l  
RT: 11.43 min Scan# 3061  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 1058113  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.6 38.4

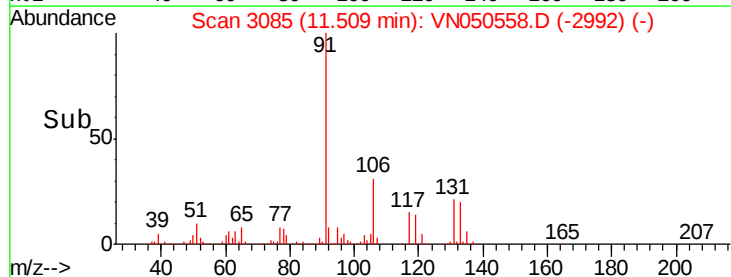
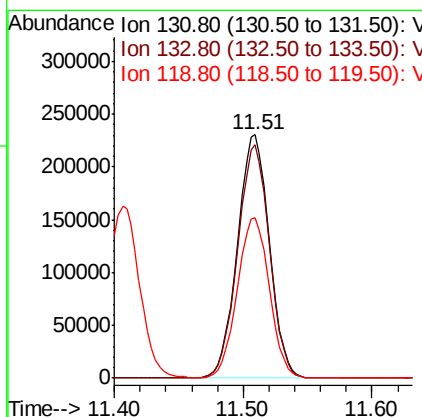
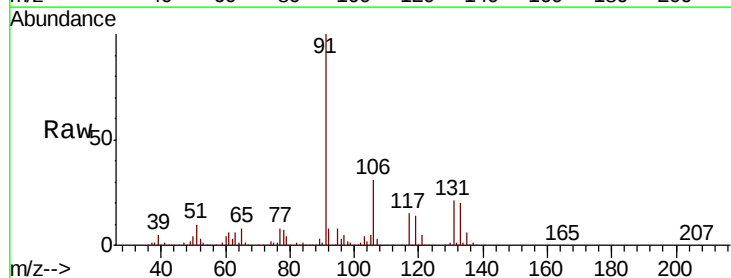
Manual Integrations  
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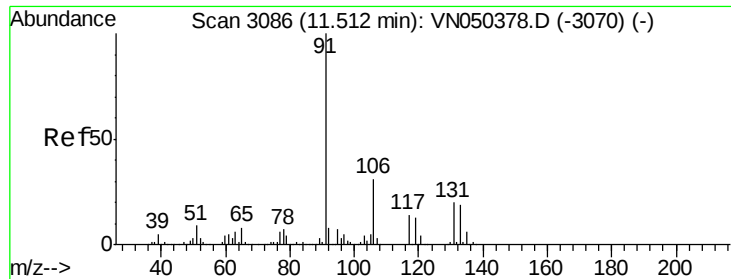
MMDadoda  
8/14/2018 12:50:43 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.91 ug/l  
RT: 11.51 min Scan# 3085  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Tgt Ion:131 Resp: 396336  
Ion Ratio Lower Upper  
131 100  
133 95.6 47.3 141.9  
119 66.4 32.9 98.7





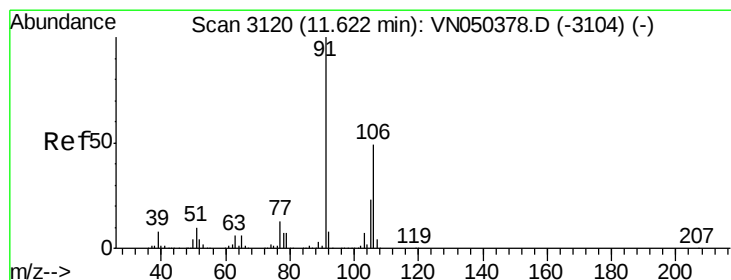
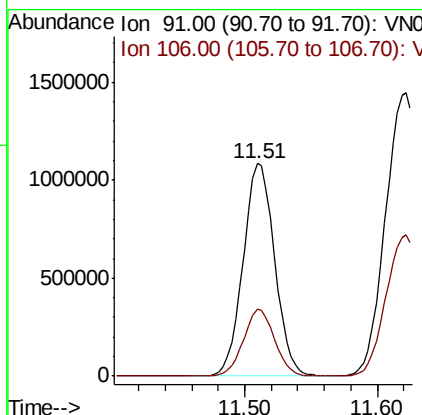
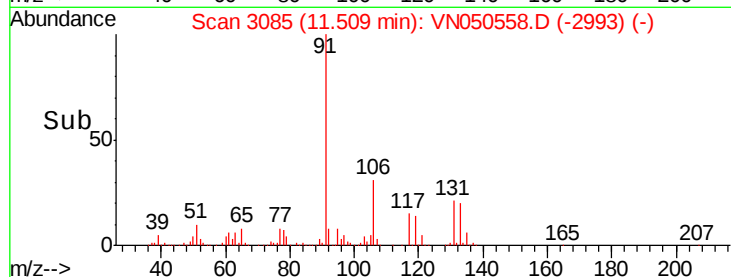
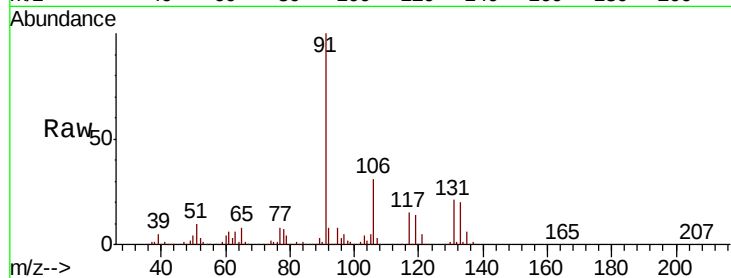
#67  
Ethyl Benzene  
Concen: 49.75 ug/l  
RT: 11.51 min Scan# 3085  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 1790475  
Ion Ratio Lower Upper  
91 100  
106 31.3 25.0 37.4

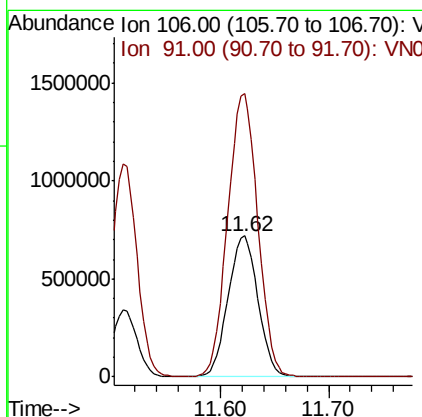
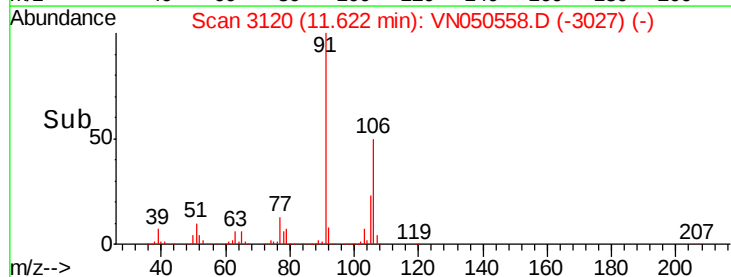
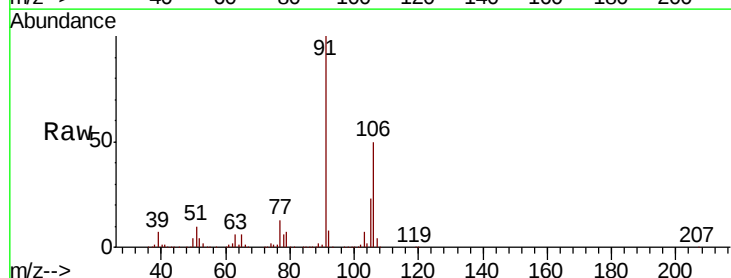
Manual Integrations  
APPROVED

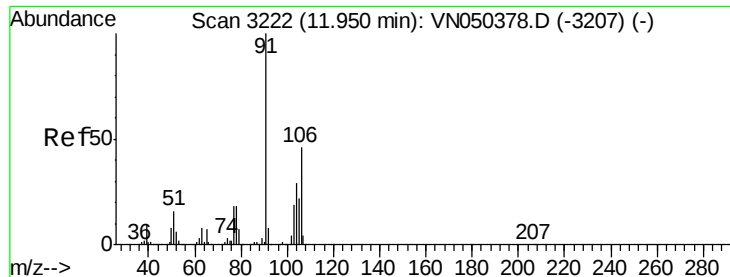
MMDadoda  
8/14/2018 12:50:43 PM



#68  
m/p-Xylenes  
Concen: 101.30 ug/l  
RT: 11.62 min Scan# 3120  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Tgt Ion: 106 Resp: 1387998  
Ion Ratio Lower Upper  
106 100  
91 202.3 162.2 243.2





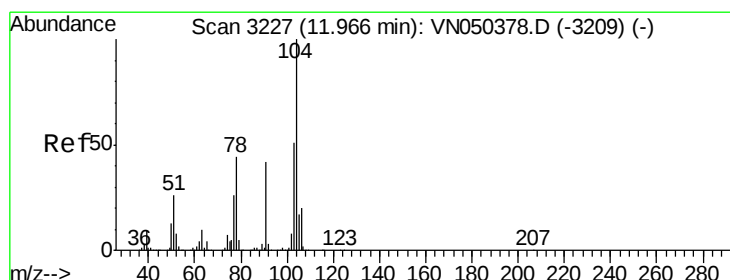
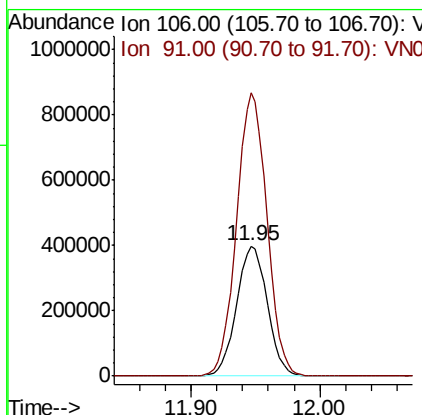
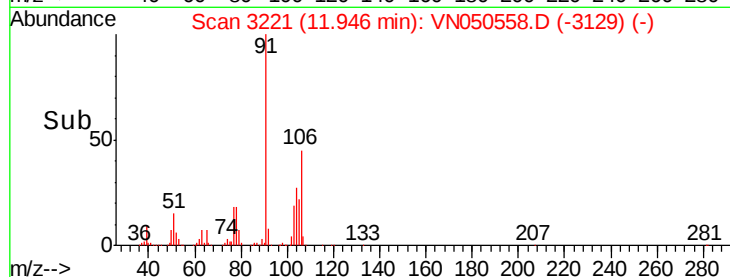
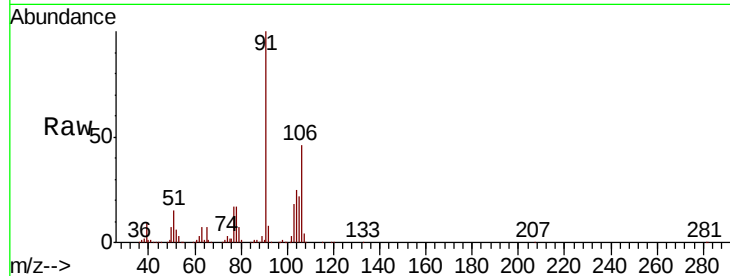
#69  
o-Xylene  
Concen: 49.97 ug/l  
RT: 11.95 min Scan# 3221  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 215.6 | 107.7 | 323.1 |

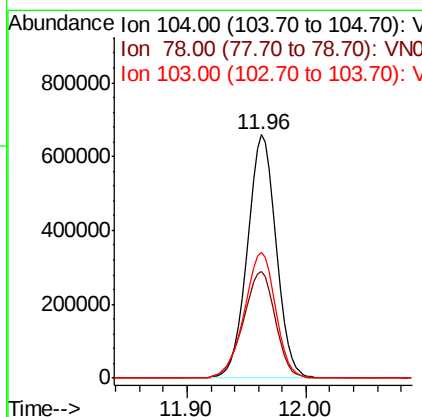
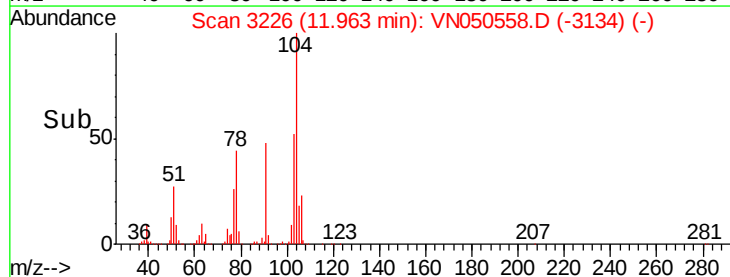
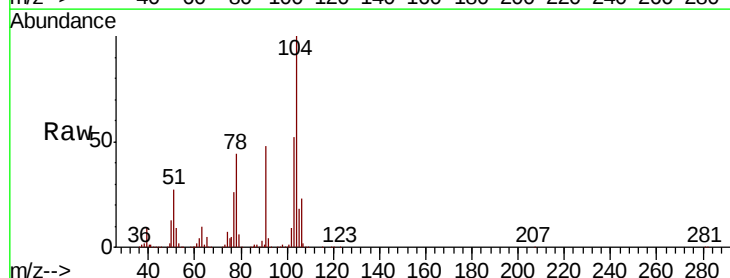
Manual Integrations  
APPROVED

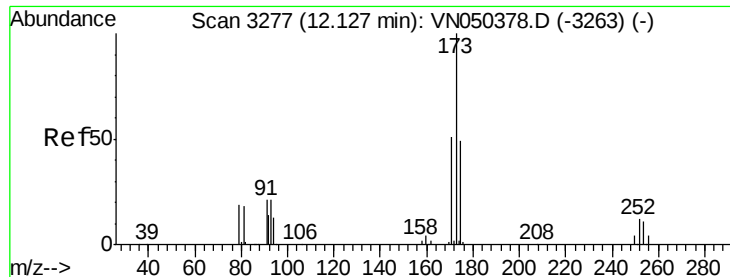
MMDadoda  
8/14/2018 12:50:43 PM



#70  
Styrene  
Concen: 51.43 ug/l  
RT: 11.96 min Scan# 3226  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 48.7  | 39.3  | 58.9  |
| 103     | 56.2  | 45.0  | 67.6  |





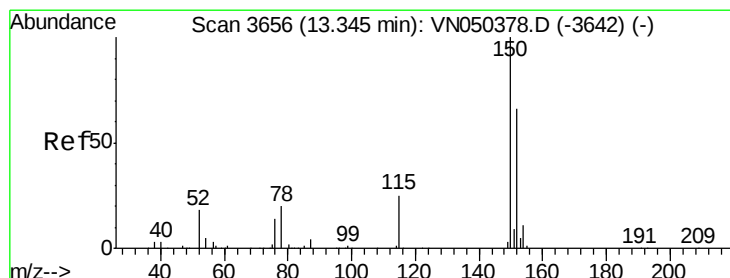
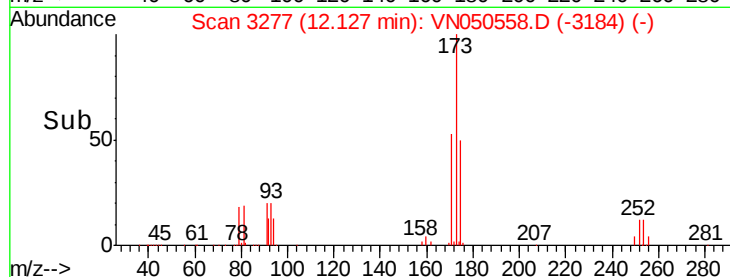
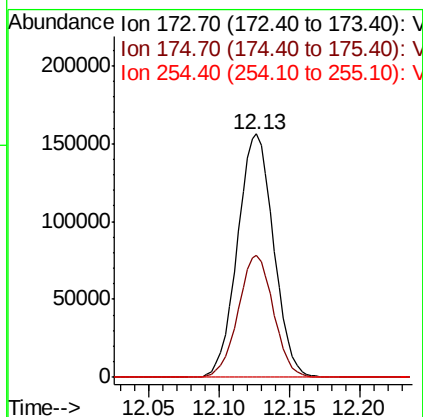
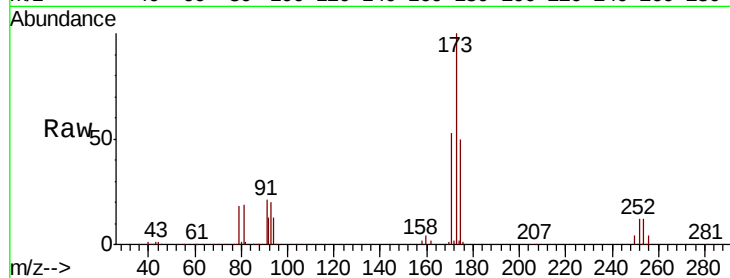
#71  
Bromoform  
Concen: 47.26 ug/l  
RT: 12.13 min Scan# 3277  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.9  | 24.1  | 72.2  |
| 254     | 0.0   | 0.2   | 0.2#  |

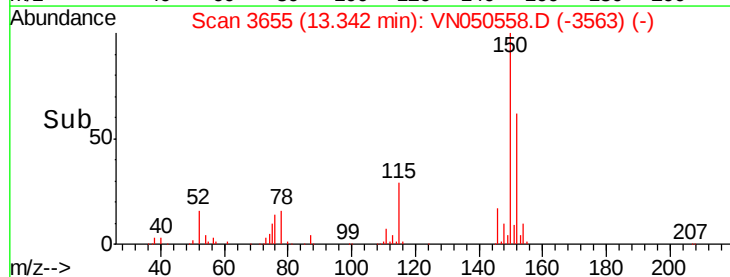
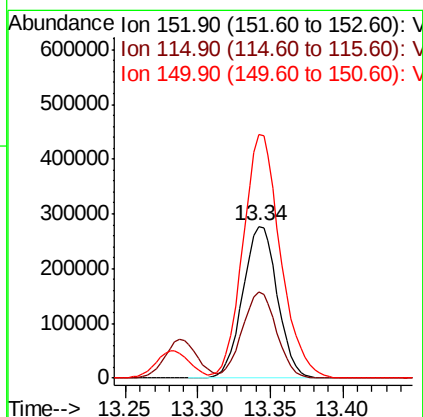
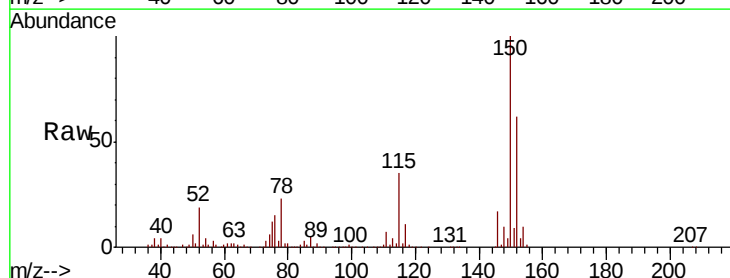
Manual Integrations  
APPROVED

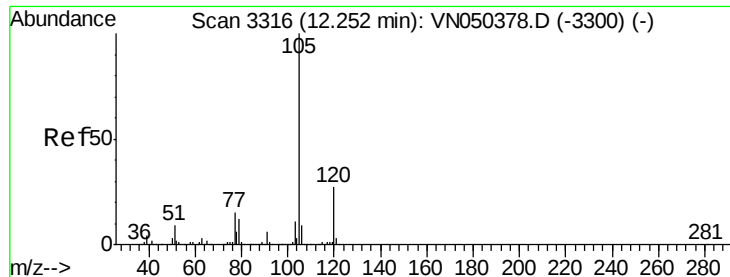
MMDadoda  
8/14/2018 12:50:43 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.34 min Scan# 3655  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.4  | 27.8  | 83.3  |
| 150     | 173.9 | 0.0   | 348.6 |





#73

Isopropylbenzene

Concen: 50.66 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1747273

Ion Ratio Lower Upper

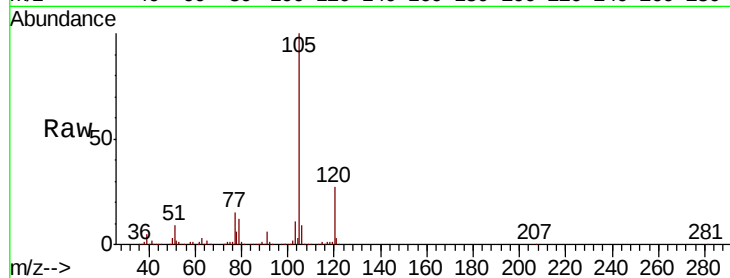
105 100

120 26.9 13.3 39.8

Manual Integrations  
APPROVED

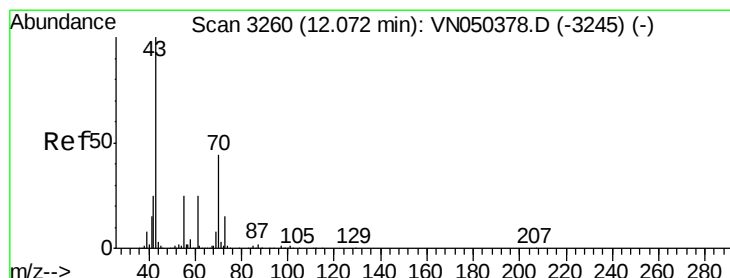
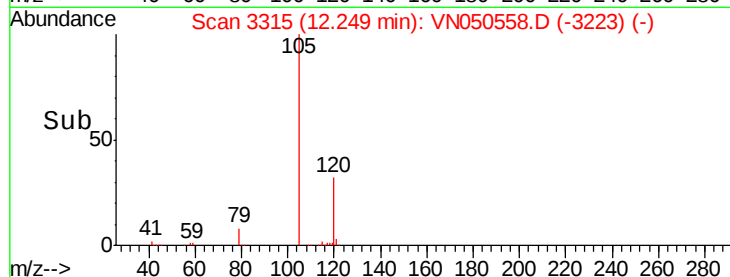
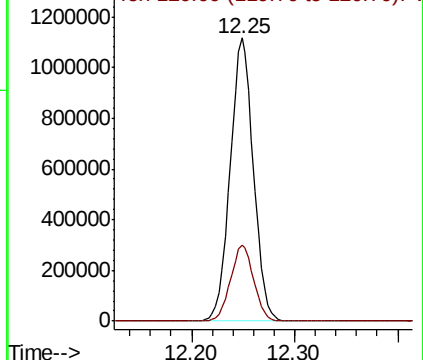
MMDadoda

8/14/2018 12:50:43 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.84 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Tgt Ion: 43 Resp: 490081

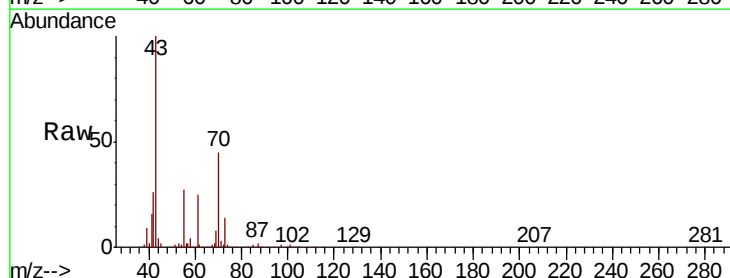
Ion Ratio Lower Upper

43 100

70 44.4 34.4 51.6

55 27.3 20.8 31.2

61 25.0 19.7 29.5

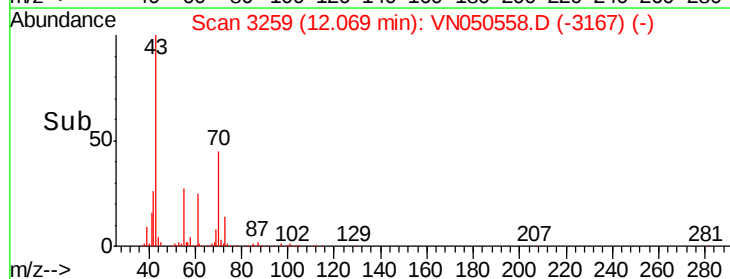
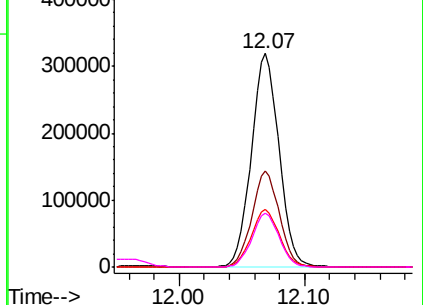


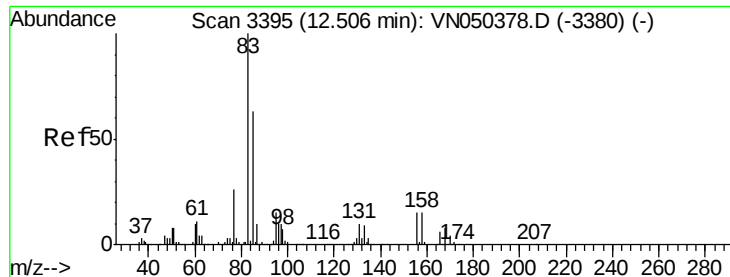
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 44.15 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

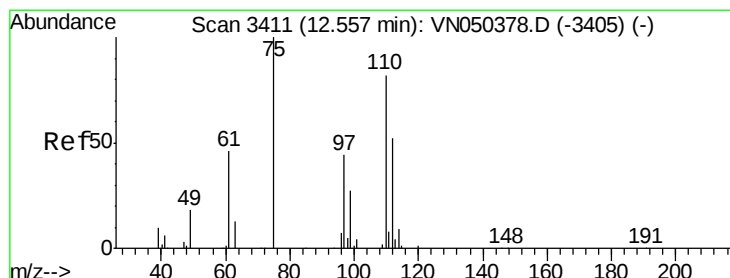
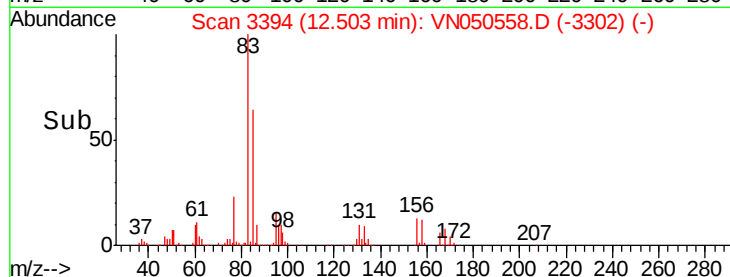
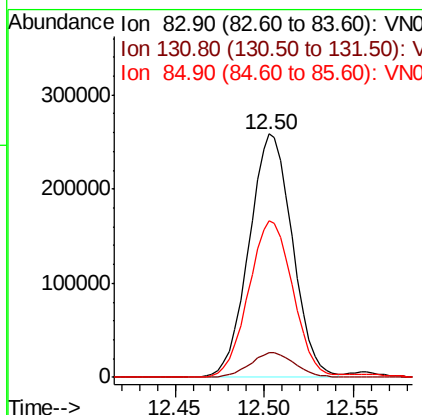
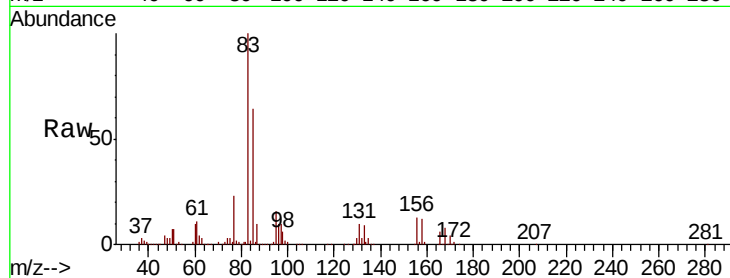
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 439342 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.6  | 5.1   | 15.3   |
| 85        | 65.5  | 32.3  | 96.8   |

Manual Integrations  
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8/14/2018 12:50:43 PM



#76

1,2,3-Trichloropropane

Concen: 45.81 ug/l m

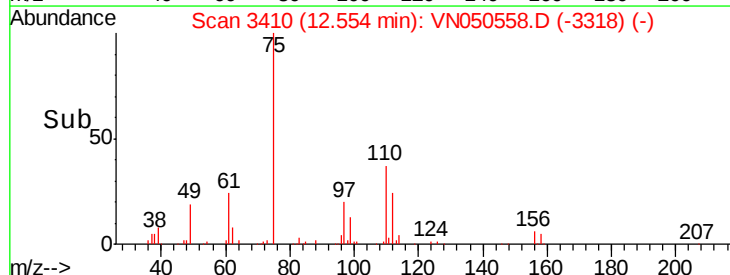
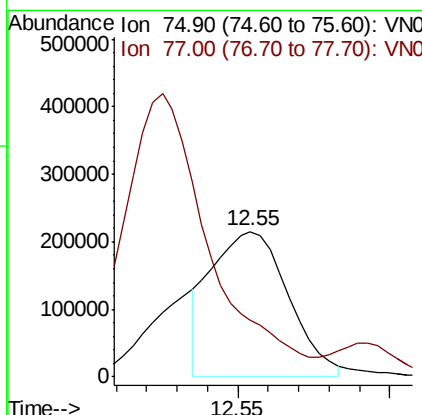
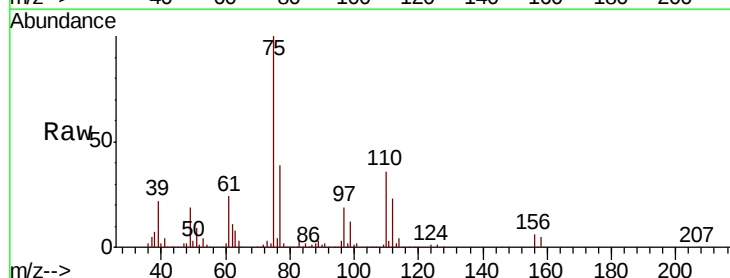
RT: 12.55 min Scan# 3410

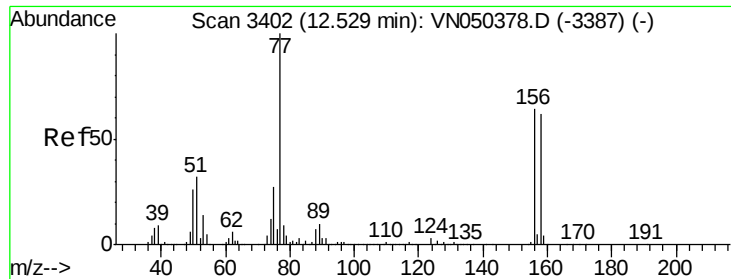
Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 381004 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





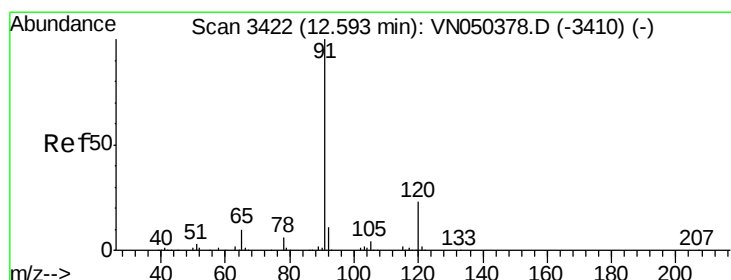
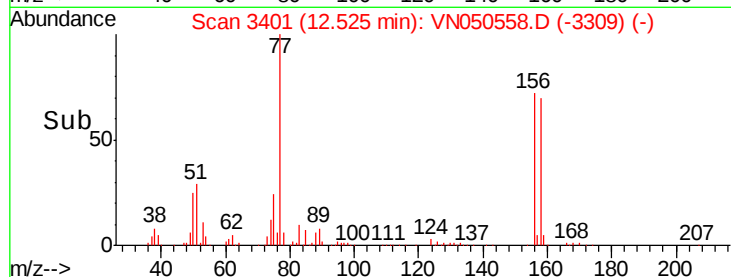
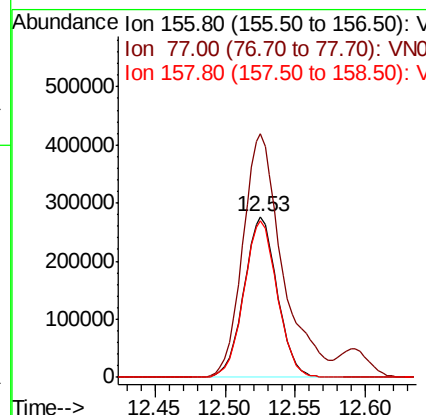
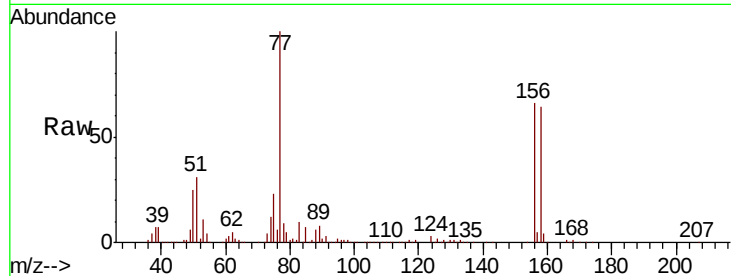
#77  
Bromobenzene  
Concen: 49.47 ug/l  
RT: 12.53 min Scan# 3401  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 181.0 | 91.7  | 275.1 |
| 158     | 97.6  | 48.9  | 146.6 |

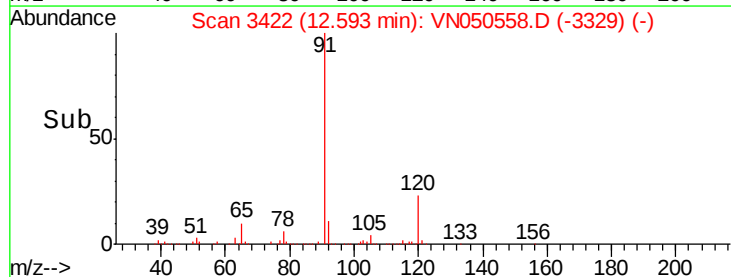
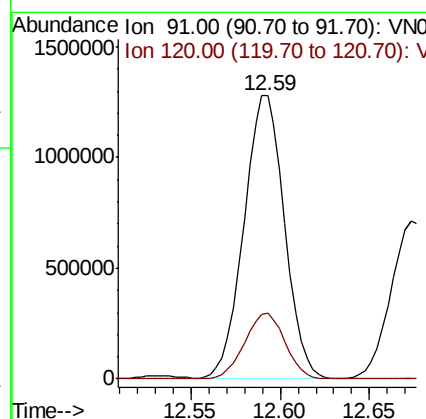
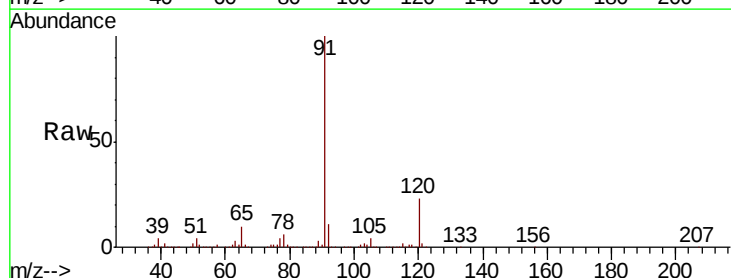
Manual Integrations  
APPROVED

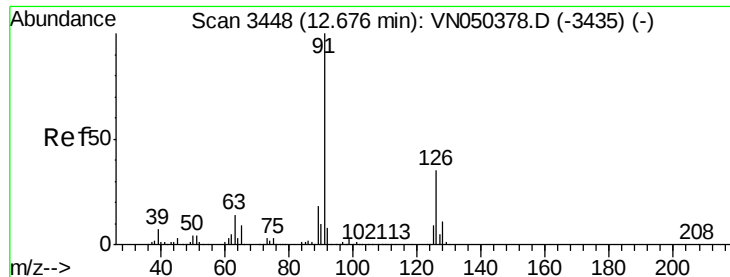
MMDadoda  
8/14/2018 12:50:43 PM



#78  
n-propylbenzene  
Concen: 51.70 ug/l  
RT: 12.59 min Scan# 3422  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.3  | 11.6  | 34.7  |





#79

2-Chlorotoluene

Concen: 49.80 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1200676

Ion Ratio Lower Upper

91 100

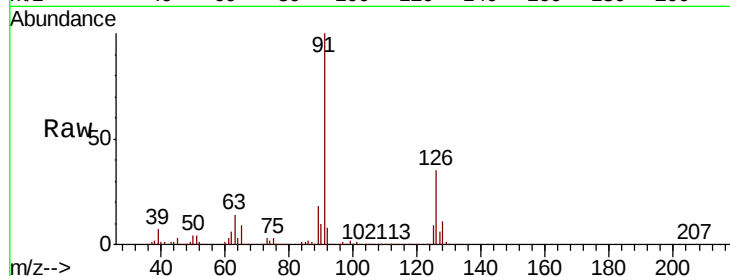
126 35.5 17.6 52.8

Manual Integrations

APPROVED

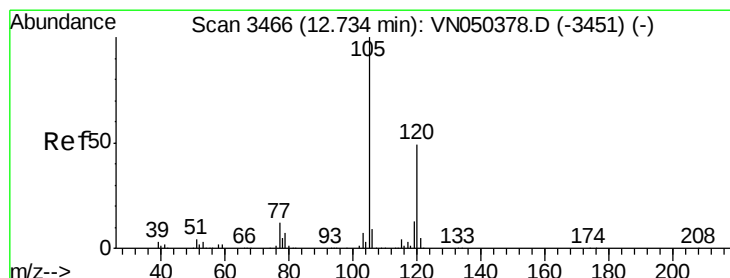
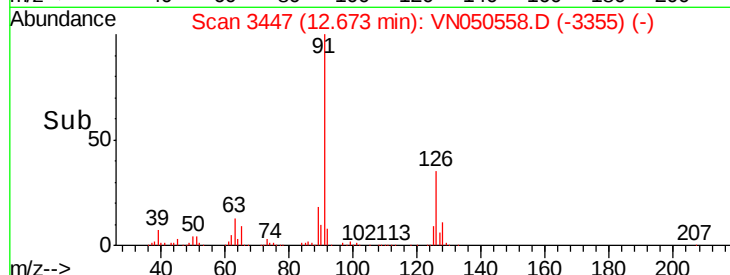
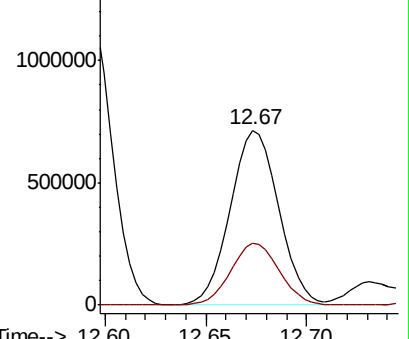
MMDadoda

8/14/2018 12:50:43 PM



Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050378.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.02 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050558.D

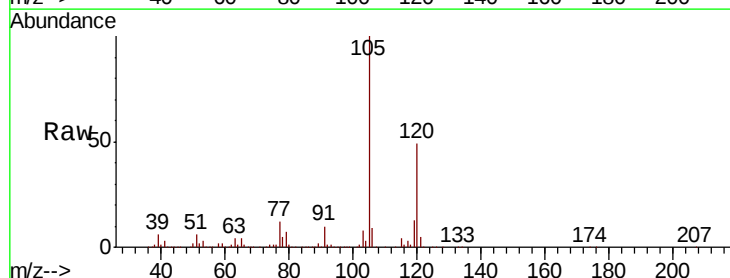
Acq: 13 Aug 2018 10:48

Tgt Ion:105 Resp: 1456368

Ion Ratio Lower Upper

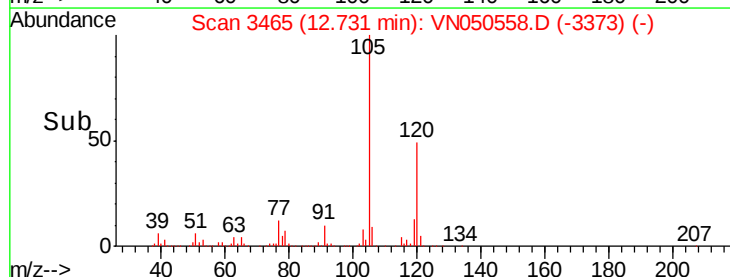
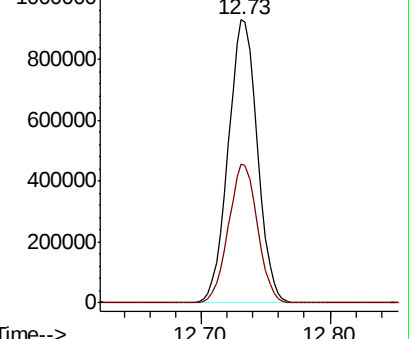
105 100

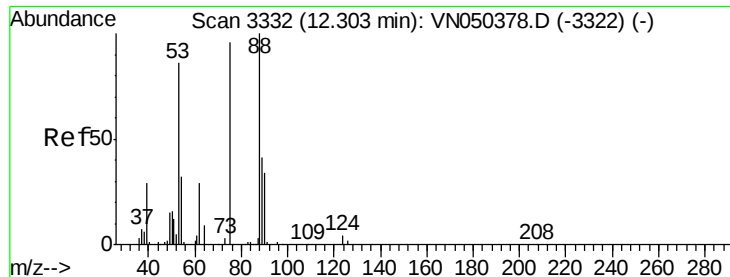
120 49.0 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050378.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN050378.D (-3451) (-)





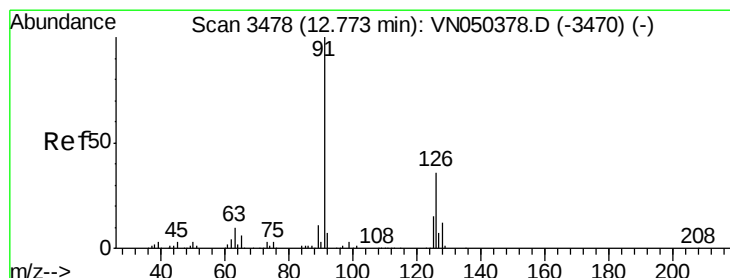
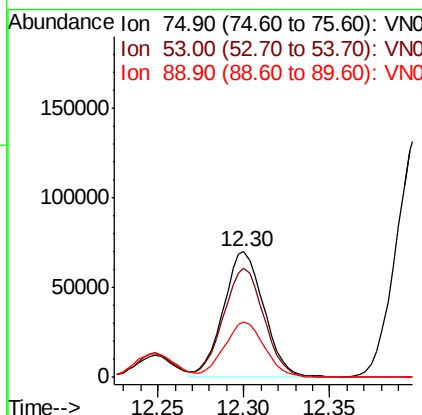
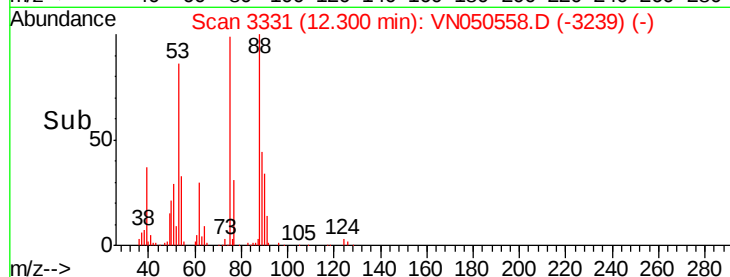
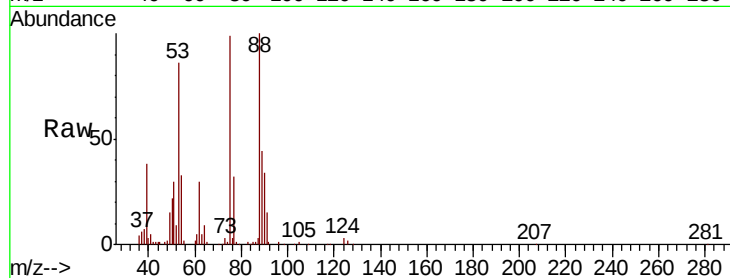
#81  
trans-1,4-Dichloro-2-butene  
Concen: 48.89 ug/l  
RT: 12.30 min Scan# 3331  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 87.5  | 73.5  | 110.3 |
| 89      | 44.0  | 36.0  | 54.0  |

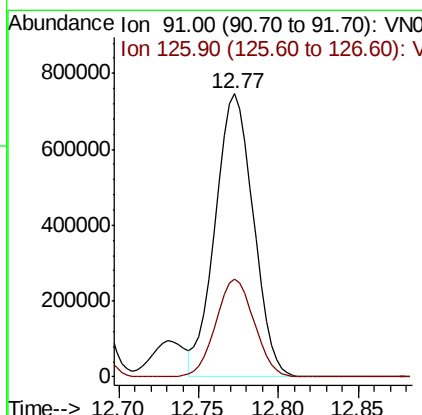
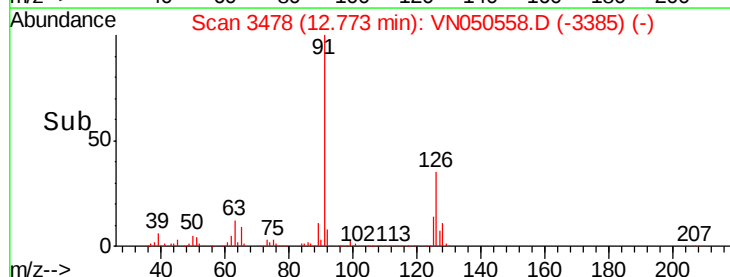
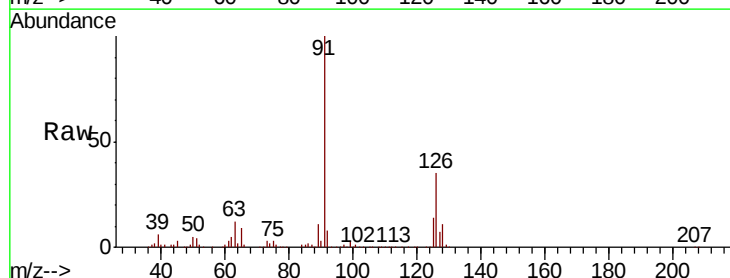
Manual Integrations  
APPROVED

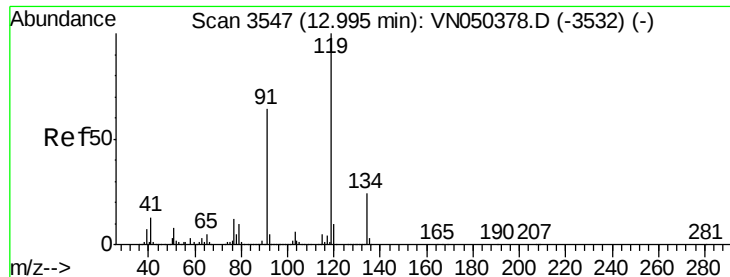
MMDadoda  
8/14/2018 12:50:43 PM



#82  
4-Chlorotoluene  
Concen: 50.87 ug/l  
RT: 12.77 min Scan# 3478  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.7  | 17.0  | 51.0  |





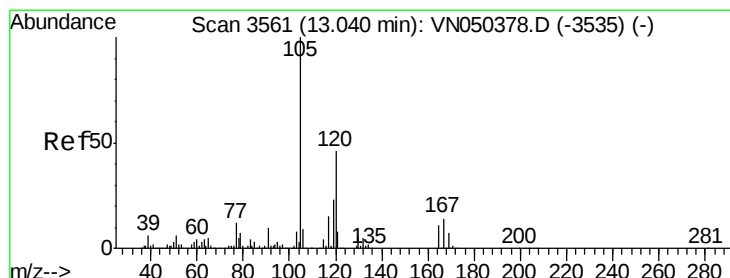
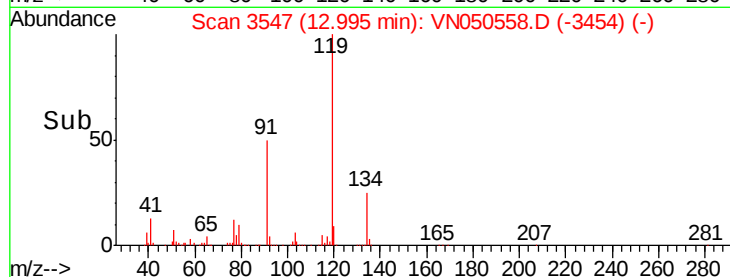
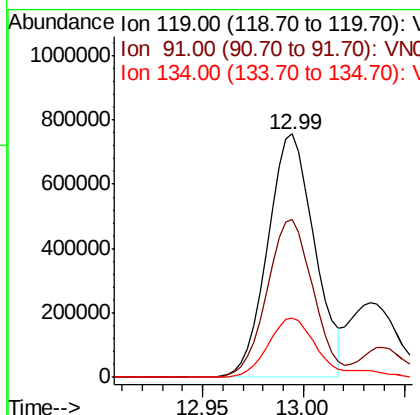
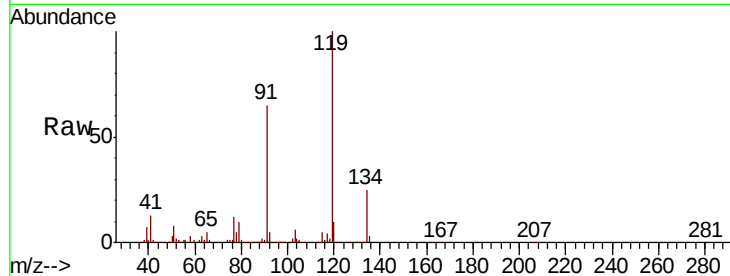
#83  
 tert-Butylbenzene  
 Concen: 49.94 ug/l  
 RT: 12.99 min Scan# 3547  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 63.9  | 32.1  | 96.3  |
| 134     | 24.8  | 13.2  | 39.5  |

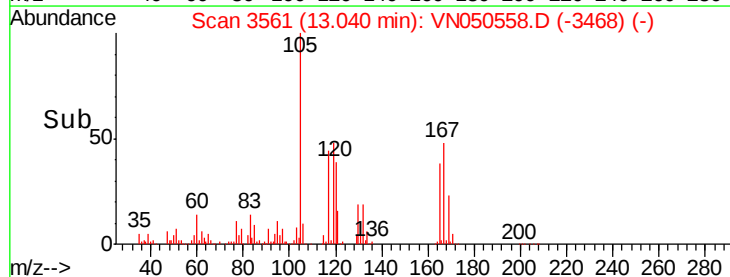
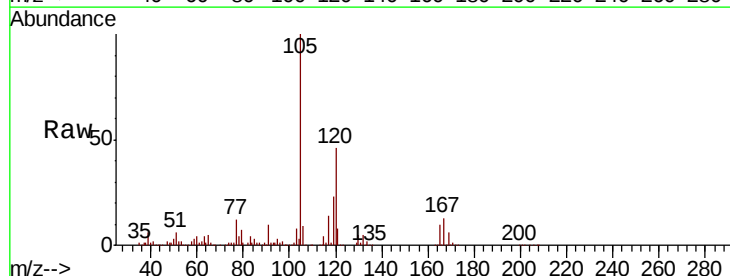
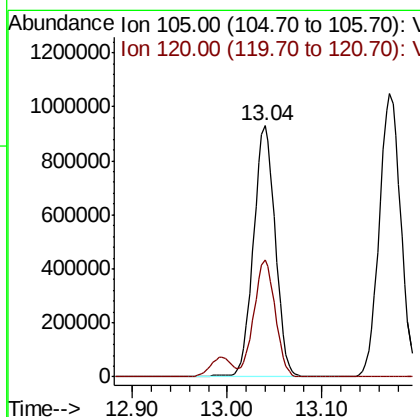
Manual Integrations  
 APPROVED

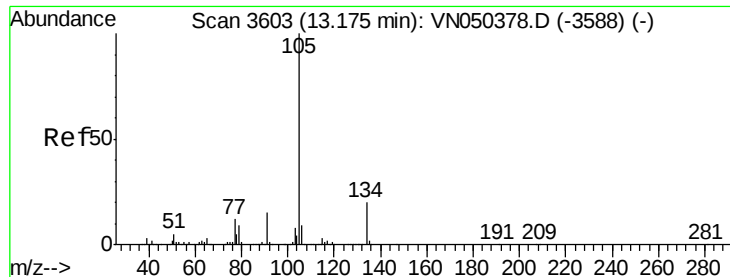
MMDadoda  
 8/14/2018 12:50:43 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 52.46 ug/l  
 RT: 13.04 min Scan# 3561  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.8  | 22.9  | 68.7  |





#85

sec-Butylbenzene

Concen: 50.65 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1648914

Ion Ratio Lower Upper

105 100

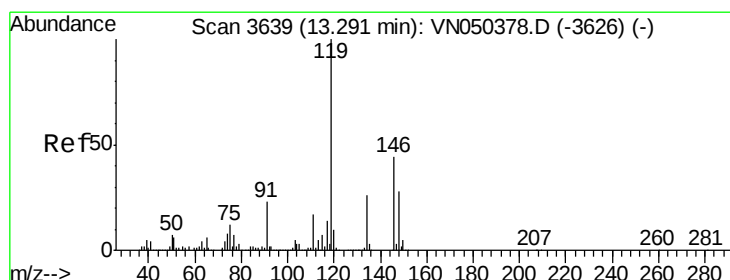
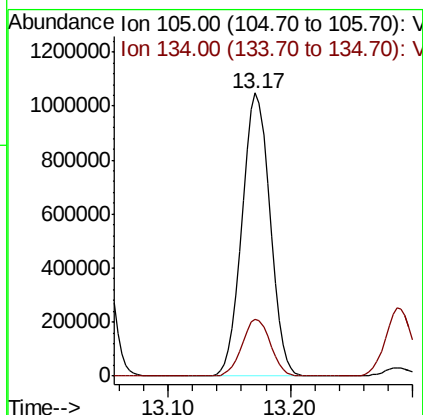
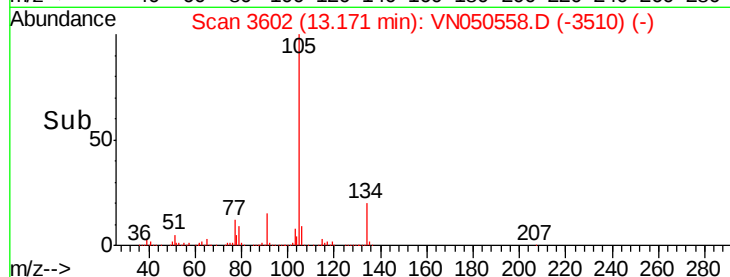
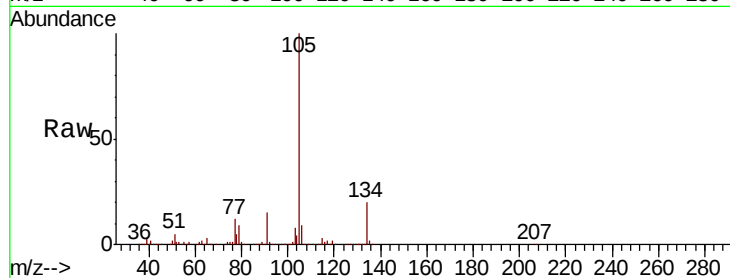
134 20.3 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.62 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

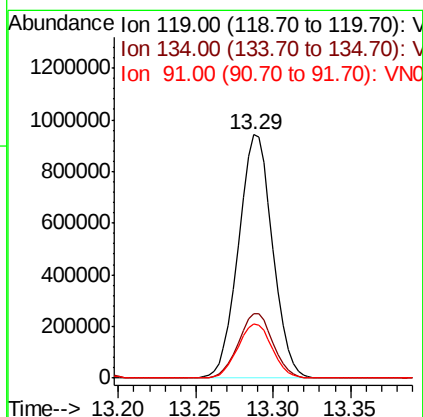
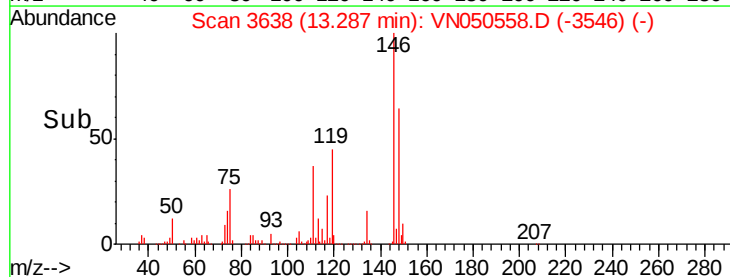
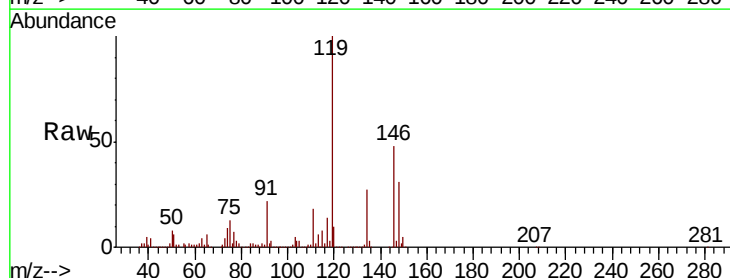
Tgt Ion:119 Resp: 1440003

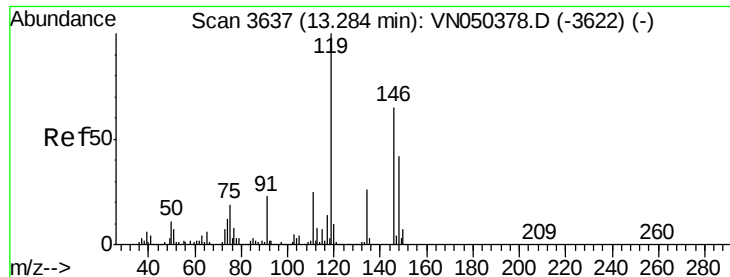
Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

91 22.5 11.4 34.2





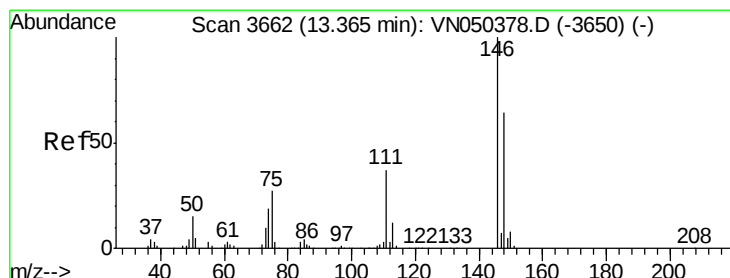
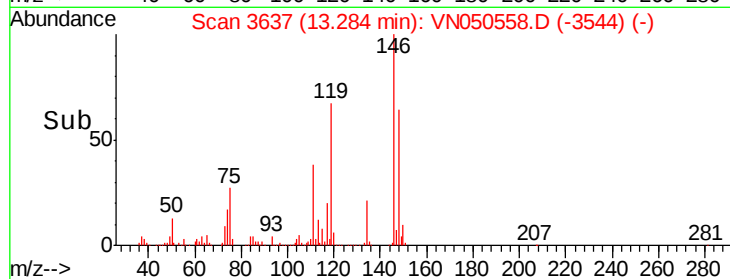
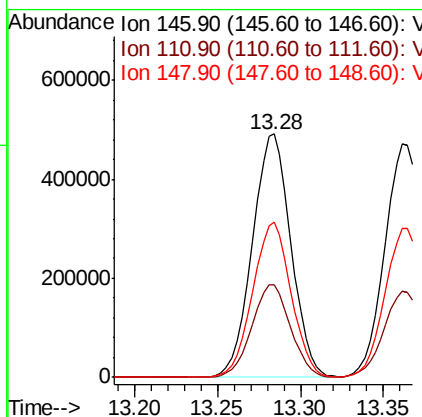
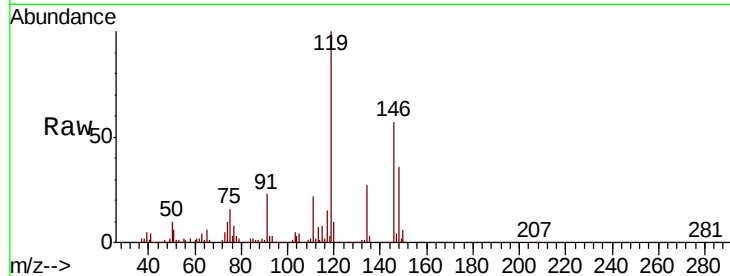
#87  
 1,3-Dichlorobenzene  
 Concen: 48.43 ug/l  
 RT: 13.28 min Scan# 3637  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 797058 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 38.1  | 18.8  | 56.4   |
| 148       | 63.5  | 31.9  | 95.9   |

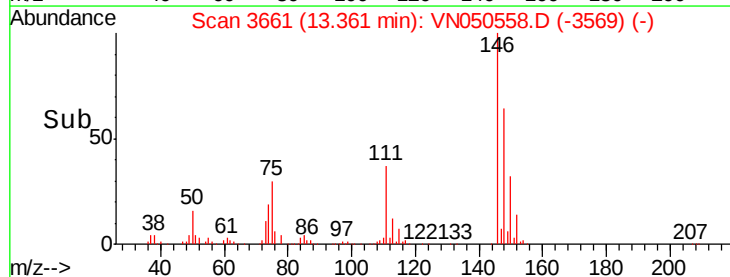
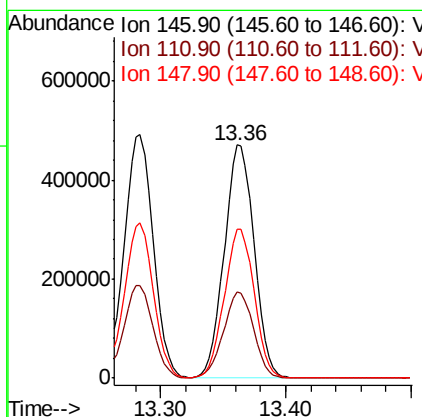
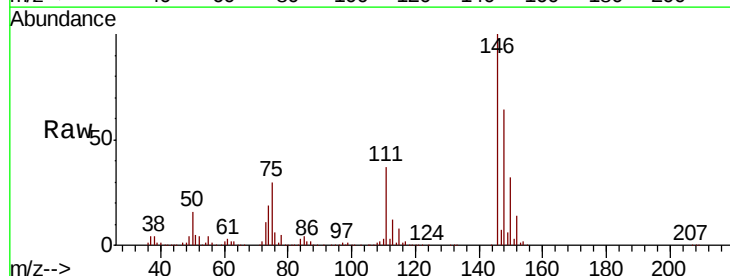
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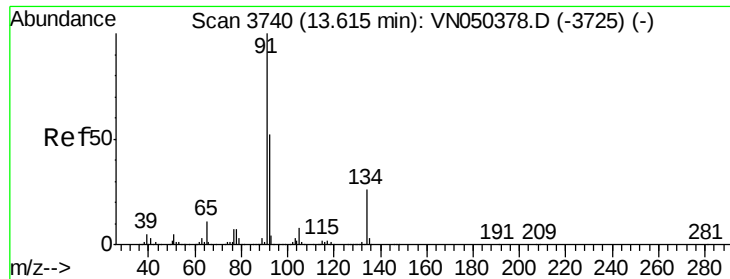
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#88  
 1,4-Dichlorobenzene  
 Concen: 47.34 ug/l  
 RT: 13.36 min Scan# 3661  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 778010 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 36.9  | 18.3  | 54.9   |
| 148       | 63.8  | 31.9  | 95.9   |





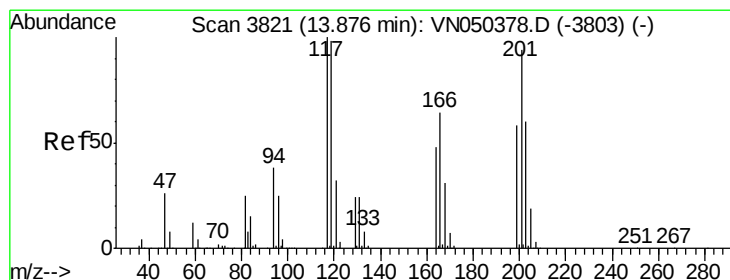
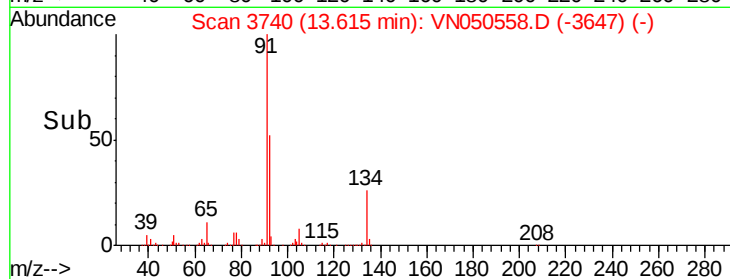
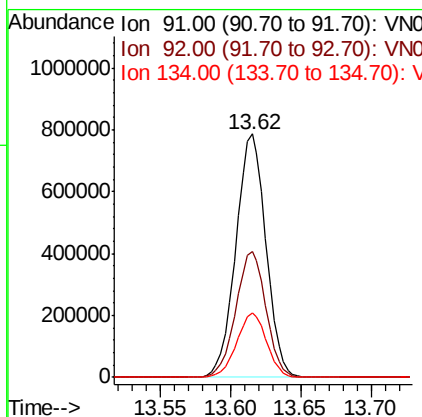
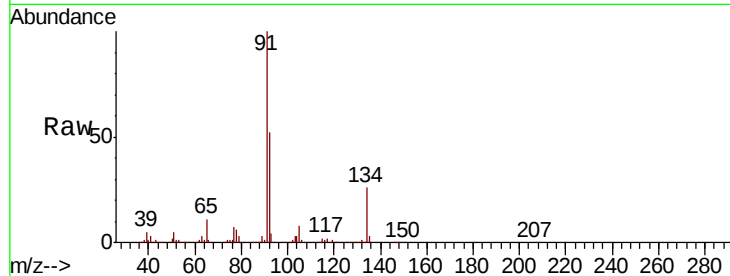
#89  
n-Butylbenzene  
Concen: 49.46 ug/l  
RT: 13.62 min Scan# 3740  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.9  | 25.8  | 77.4  |
| 134     | 26.2  | 12.8  | 38.4  |

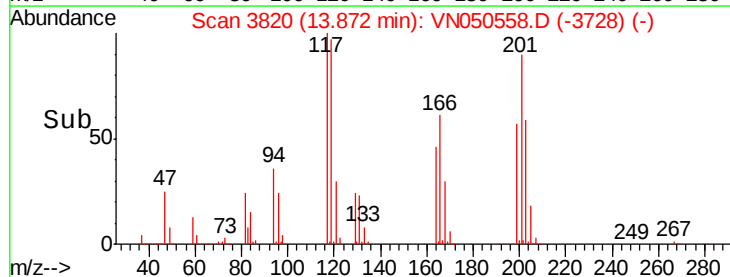
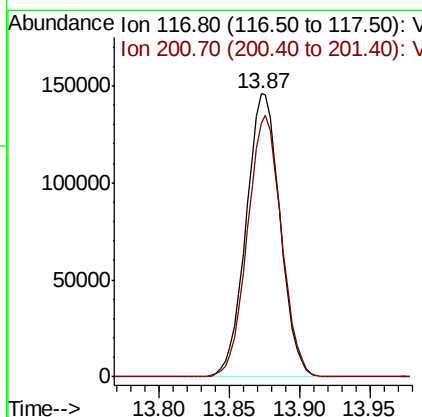
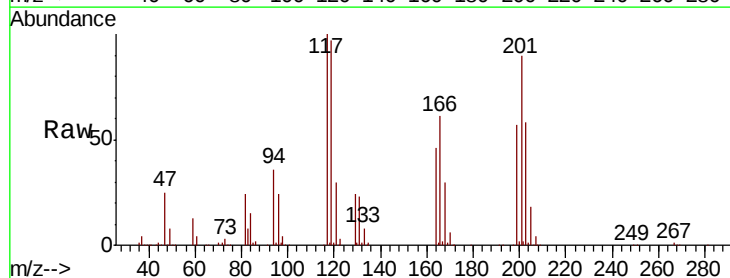
Manual Integrations  
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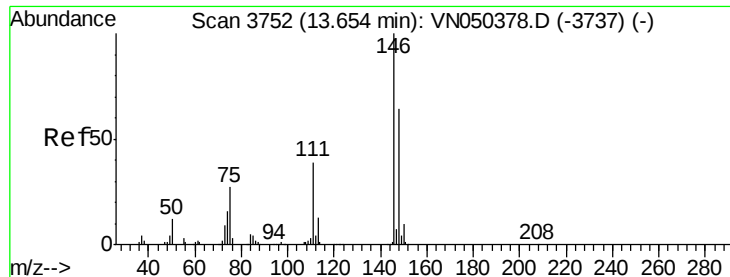
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#90  
Hexachloroethane  
Concen: 49.66 ug/l  
RT: 13.87 min Scan# 3820  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 92.1  | 45.6  | 136.8 |





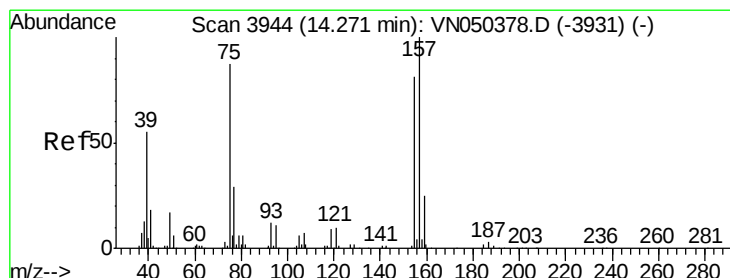
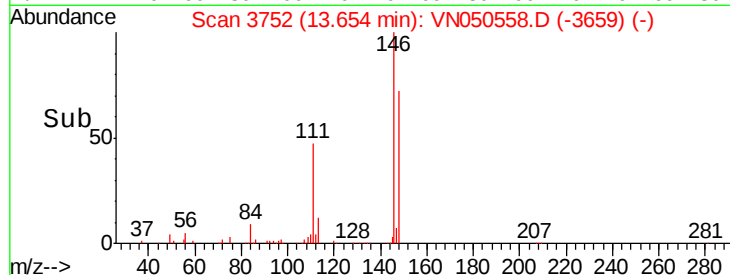
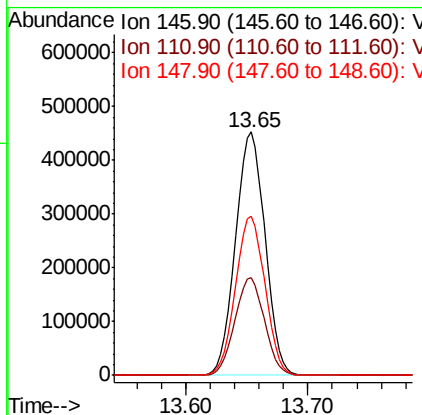
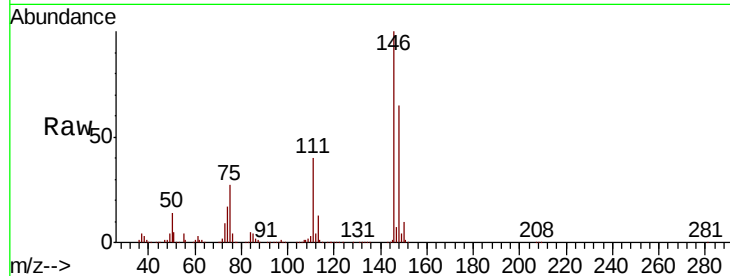
#91  
 1,2-Dichlorobenzene  
 Concen: 45.95 ug/l  
 RT: 13.65 min Scan# 3752  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.2  | 19.6  | 58.7  |
| 148     | 65.1  | 32.1  | 96.3  |

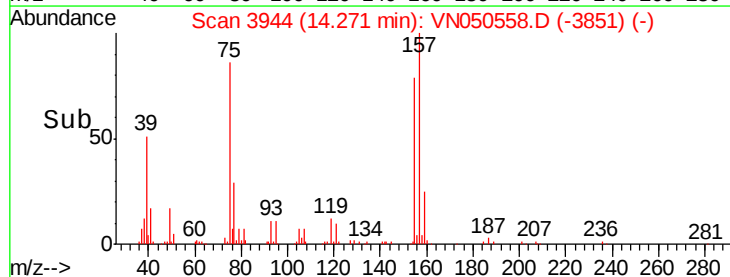
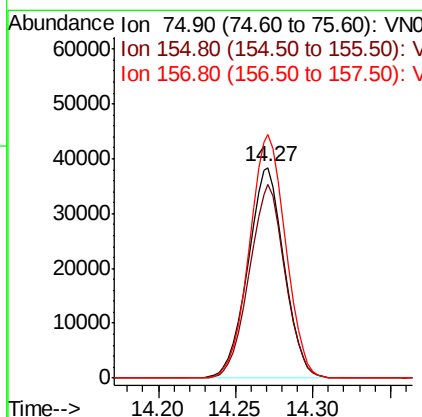
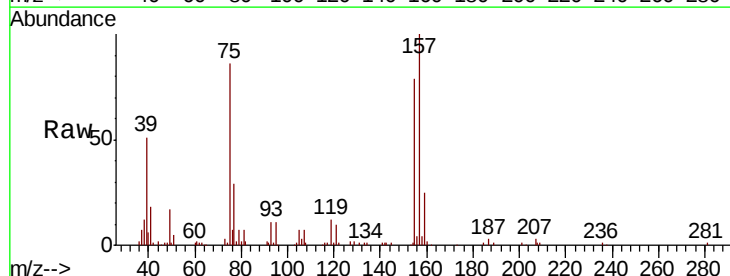
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 37.07 ug/l  
 RT: 14.27 min Scan# 3944  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 90.3  | 44.8  | 134.4 |
| 157     | 115.7 | 57.2  | 171.6 |





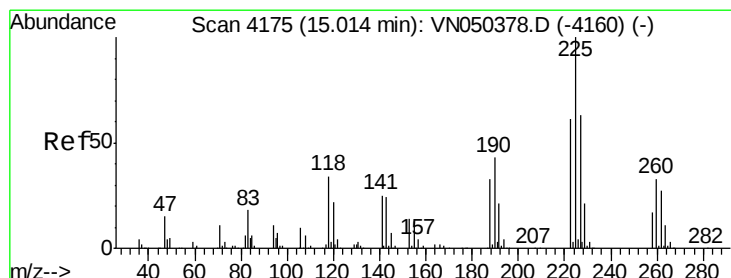
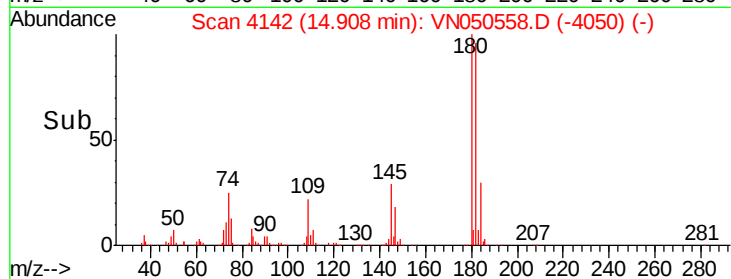
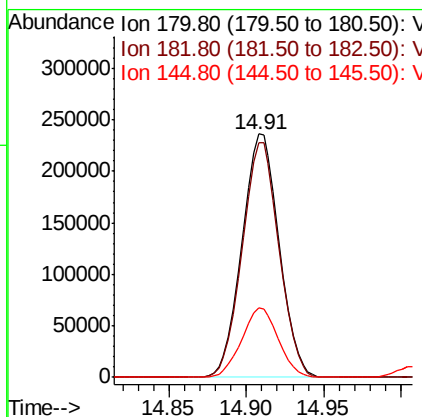
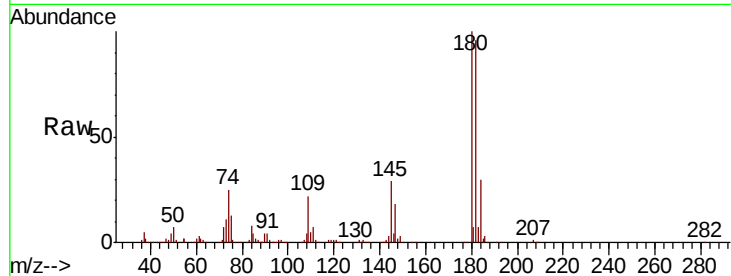
#93  
 1,2,4-Trichlorobenzene  
 Concen: 46.86 ug/l  
 RT: 14.91 min Scan# 4142  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 393733 |       |       |
| 182     | 95.7  | 46.7   | 140.1 |       |
| 145     | 28.3  | 13.8   | 41.4  |       |

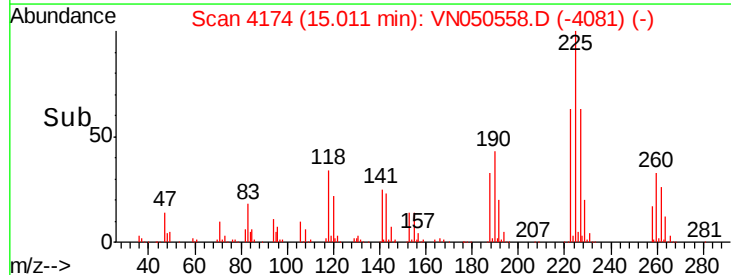
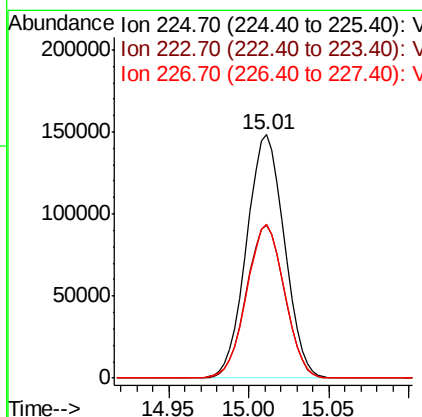
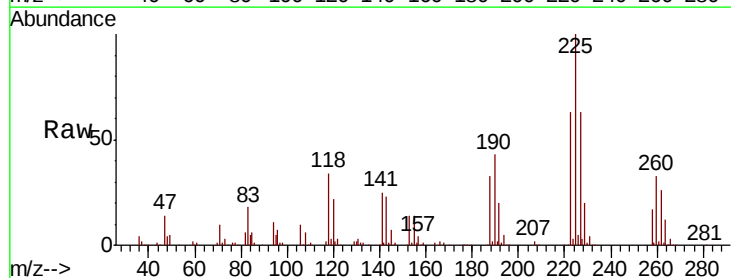
Manual Integrations  
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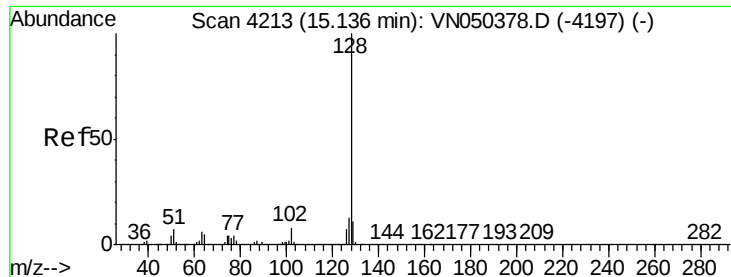
MMDadoda  
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#94  
 Hexachlorobutadiene  
 Concen: 52.37 ug/l  
 RT: 15.01 min Scan# 4174  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 240026 |       |       |
| 223     | 63.3  | 31.4   | 94.2  |       |
| 227     | 63.3  | 32.1   | 96.5  |       |





#95

Naphthalene

Concen: 37.91 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

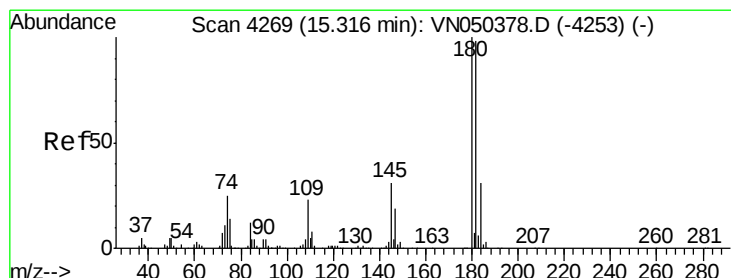
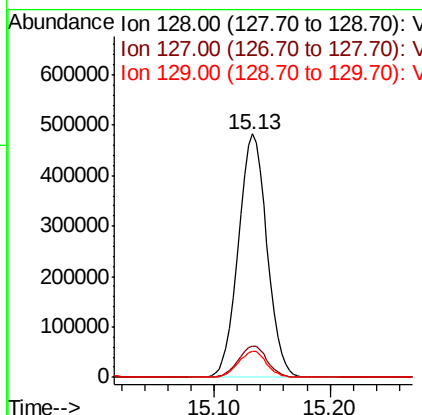
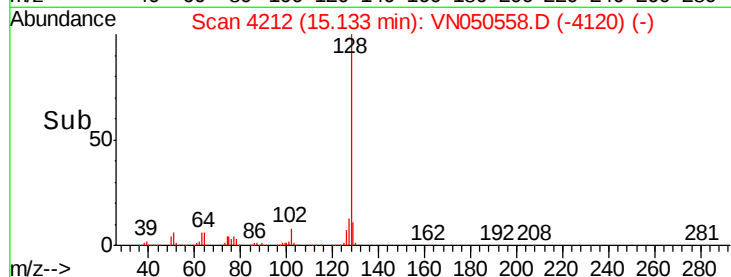
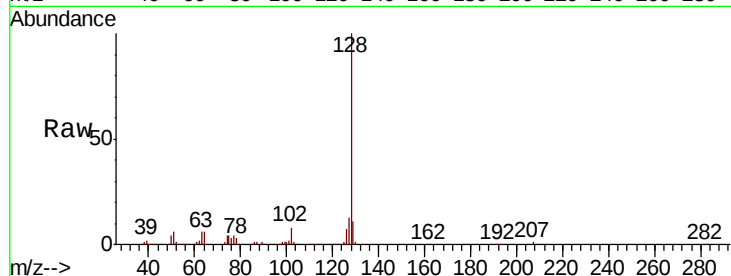
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 822326 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.1  | 10.4  | 15.6   |
| 129       | 10.6  | 8.8   | 13.2   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 44.29 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 376249 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 97.0  | 48.1  | 144.4  |
| 145       | 29.9  | 15.3  | 45.9   |

