

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\  
 Data File : VN050213.D  
 Acq On : 31 Jul 2018 14:27  
 Operator : MD\SY  
 Sample : VN0731WBSD02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0731WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 8/1/2018 11:14:14 AM

Quant Time: Jul 31 18:31:13 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 26 18:10:10 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 565553   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 870247   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 782416   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 380758   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 409914   | 51.95 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.90% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 362315   | 50.99 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.98% |      |
| 50) Toluene-d8            | 10.09  | 98  | 1279124  | 48.97 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.94%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 417007   | 48.48 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.96%  |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 149343  | 18.378  | ug/l | 99     |
| 3) Chloromethane              | 2.06 | 50  | 151282  | 17.127  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.18 | 62  | 161775  | 17.391  | ug/l | 100    |
| 5) Bromomethane               | 2.56 | 94  | 63437   | 11.509  | ug/l | 100    |
| 6) Chloroethane               | 2.70 | 64  | 98551   | 17.641  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 213644  | 17.729  | ug/l | 96     |
| 8) Diethyl Ether              | 3.41 | 74  | 80099   | 19.939  | ug/l | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 130347  | 17.988  | ug/l | 98     |
| 10) Methyl Iodide             | 3.95 | 142 | 66119   | 7.109   | ug/l | 96     |
| 11) Tert butyl alcohol        | 4.80 | 59  | 61113   | 105.260 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 118760  | 18.220  | ug/l | 98     |
| 13) Acrolein                  | 3.61 | 56  | 16381   | 35.117  | ug/l | 97     |
| 14) Allyl chloride            | 4.32 | 41  | 193094  | 19.104  | ug/l | 99     |
| 15) Acrylonitrile             | 4.99 | 53  | 262034  | 103.446 | ug/l | 99     |
| 16) Acetone                   | 3.82 | 43  | 206114  | 108.435 | ug/l | 98     |
| 17) Carbon Disulfide          | 4.05 | 76  | 325962  | 16.323  | ug/l | 99     |
| 18) Methyl Acetate            | 4.33 | 43  | 188066  | 25.206  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 365137  | 21.020  | ug/l | 99     |
| 20) Methylene Chloride        | 4.55 | 84  | 148986  | 20.556  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 128833  | 18.653  | ug/l | 96     |
| 22) Diisopropyl ether         | 5.96 | 45  | 435695  | 21.740  | ug/l | 97     |
| 23) Vinyl Acetate             | 5.90 | 43  | 1442508 | 101.853 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 257415  | 19.642  | ug/l | 99     |
| 25) 2-Butanone                | 6.84 | 43  | 315843  | 104.940 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 197847  | 19.845  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 148885  | 20.024  | ug/l | 98     |
| 28) Bromochloromethane        | 7.20 | 49  | 121108  | 20.261  | ug/l | 98     |
| 29) Tetrahydrofuran           | 7.22 | 42  | 204420  | 105.107 | ug/l | 98     |
| 30) Chloroform                | 7.37 | 83  | 264239  | 19.759  | ug/l | 99     |
| 31) Cyclohexane               | 7.66 | 56  | 195011  | 17.899  | ug/l | 96     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 216743  | 18.947  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.80 | 75  | 176384  | 17.990  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.93 | 43  | 137153  | 20.064  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 188176  | 18.088  | ug/l | 99     |

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 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0731WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 8/1/2018 11:14:14 AM

Quant Time: Jul 31 18:31:13 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 26 18:10:10 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 172965   | 17.149  | ug/l   | 97       |
| 40) Benzene                    | 8.04  | 78   | 579660   | 19.429  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.18  | 41   | 65617    | 20.166  | ug/l # | 87       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 194464   | 19.538  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 305807   | 23.127  | ug/l # | 92       |
| 44) Trichloroethene            | 8.84  | 130  | 148248   | 18.492  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 157644   | 19.949  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 98586    | 20.092  | ug/l   | 100      |
| 47) Bromodichloromethane       | 9.40  | 83   | 206532   | 19.943  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.20  | 41   | 121014   | 20.556  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 34815    | 434.546 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 698352   | 103.923 | ug/l   | 100      |
| 52) Toluene                    | 10.16 | 92   | 347793   | 19.748  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 196389   | 20.097  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 224950   | 20.142  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 142500   | 20.400  | ug/l   | 100      |
| 56) Ethyl methacrylate         | 10.43 | 69   | 169670   | 19.233  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 234543   | 20.619  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 357637   | 86.664  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 455361   | 95.483  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 155933   | 20.162  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 137627   | 19.857  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 134641   | 17.899  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.44 | 112  | 381783   | 19.317  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 150428   | 19.809  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.51 | 91   | 603373   | 19.005  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 472788   | 39.372  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 226929   | 19.824  | ug/l   | 100      |
| 70) Styrene                    | 11.97 | 104  | 364310   | 18.487  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 108974   | 19.728  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 593120   | 20.085  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 180407   | 19.989  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 181230   | 21.987  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 153344m  | 21.671  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 161722   | 19.760  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 672379   | 20.371  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 419444   | 20.503  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 489596   | 21.078  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 44903    | 20.128  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 415815   | 20.525  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 415985   | 20.522  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 495707   | 21.173  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 547780   | 20.225  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 461469   | 20.220  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 268349   | 19.341  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 262658   | 19.423  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 354912   | 18.912  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.88 | 117  | 93150    | 18.382  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 273083   | 19.690  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 27415    | 20.355  | ug/l   | 98       |

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Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBSD02

Manual Integrations  
APPROVED

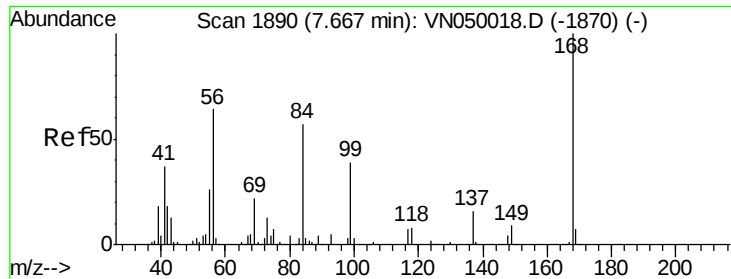
MMDadoda  
8/1/2018 11:14:14 AM

Quant Time: Jul 31 18:31:13 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 26 18:10:10 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 107547   | 16.805 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 78597    | 18.511 | ug/l  | 100      |
| 95) Naphthalene            | 15.14 | 128  | 234114   | 16.690 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 117525   | 17.887 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA\_N

ClientSampleId :

VN0731WBSD02

Tot Ion:168 Resp: 565553

Ion Ratio Lower Upper

168 100

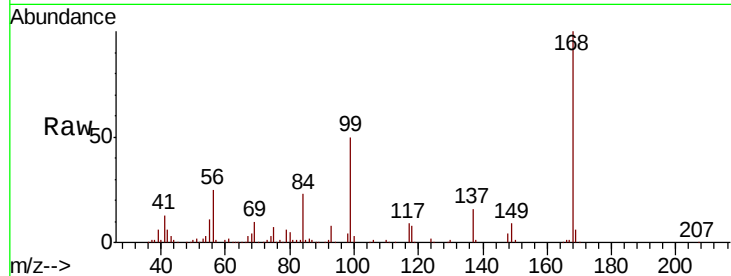
99 50.2 40.0 60.0

Manual Integrations

APPROVED

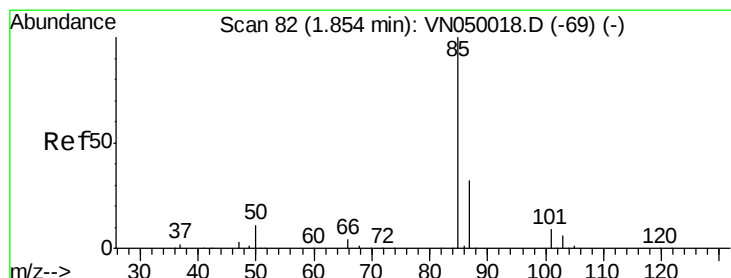
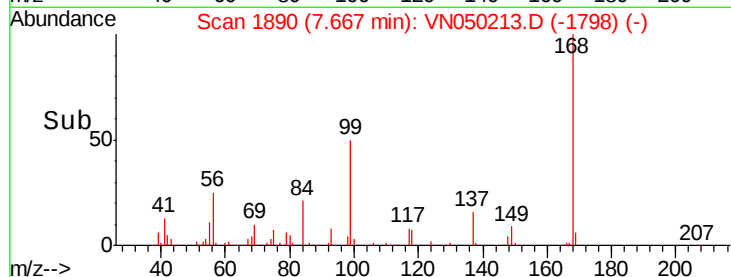
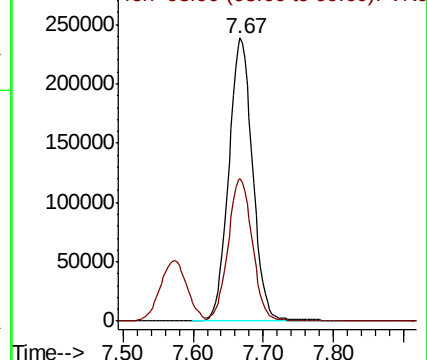
MMDadoda

8/1/2018 11:14:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.378 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050213.D

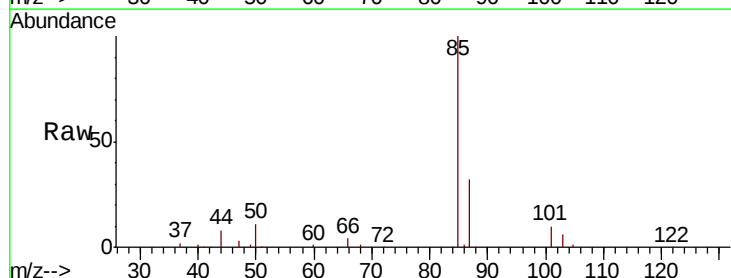
Acq: 31 Jul 2018 14:27

Tgt Ion: 85 Resp: 149343

Ion Ratio Lower Upper

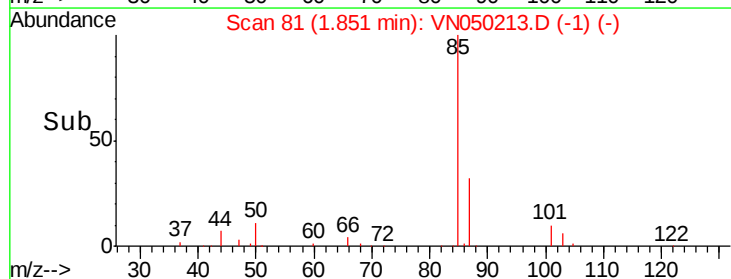
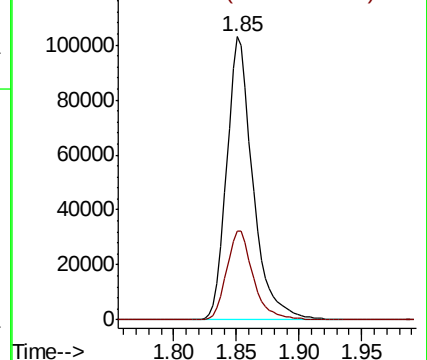
85 100

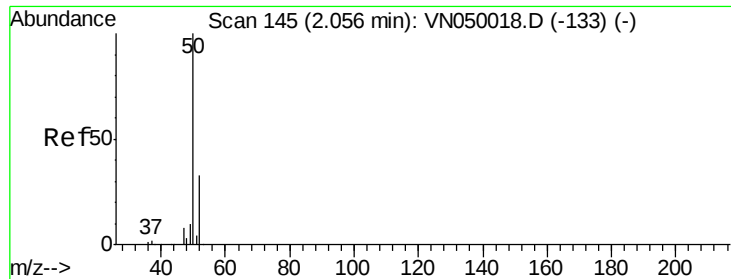
87 31.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 17.127 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA\_N

ClientSampleId :

VN0731WBSD02

Tot Ion: 50 Resp: 151282

Ion Ratio Lower Upper

50 100

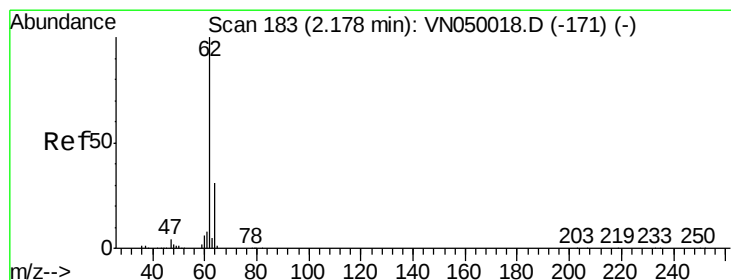
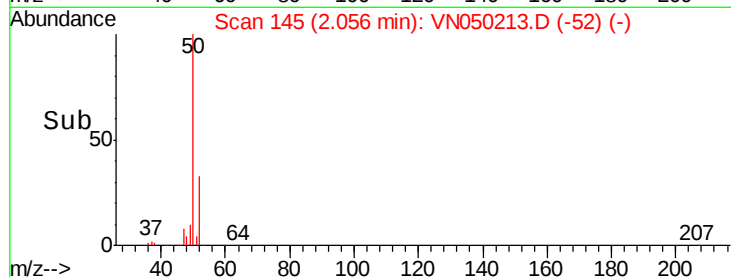
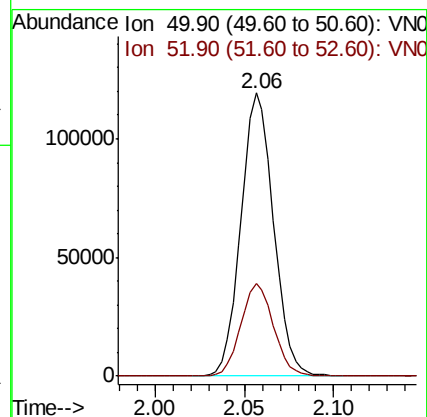
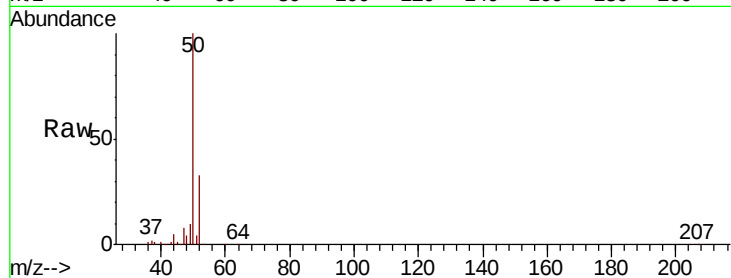
52 32.5 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

8/1/2018 11:14:14 AM



#4

Vinyl Chloride

Concen: 17.391 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050213.D

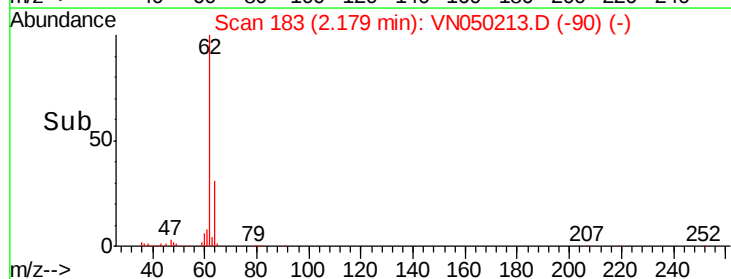
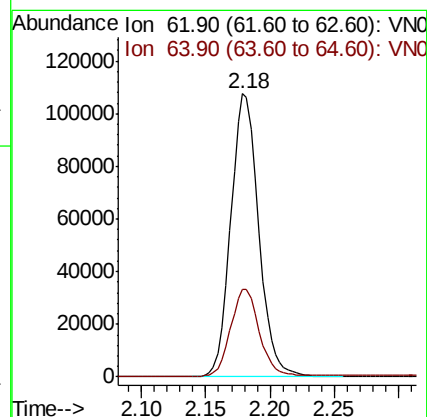
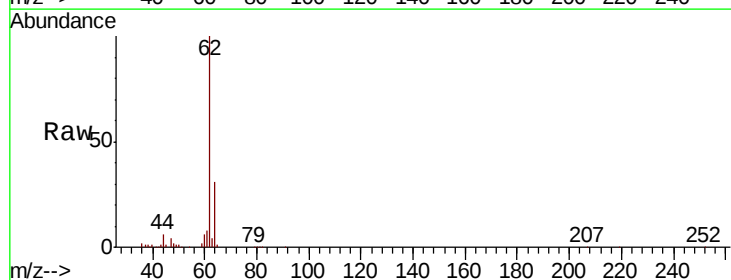
Acq: 31 Jul 2018 14:27

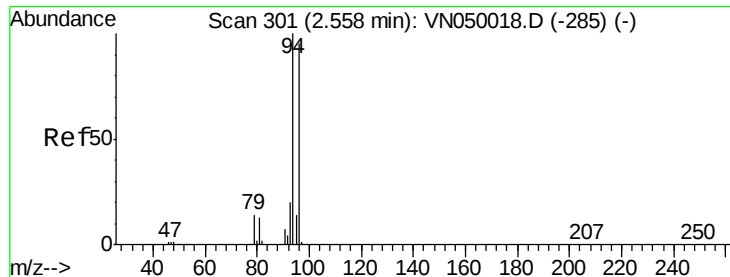
Tgt Ion: 62 Resp: 161775

Ion Ratio Lower Upper

62 100

64 30.9 24.7 37.1





#5

Bromomethane

Concen: 11.509 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA\_N

ClientSampleId :

VN0731WBSD02

Tot Ion: 94 Resp: 63437

Ion Ratio Lower Upper

94 100

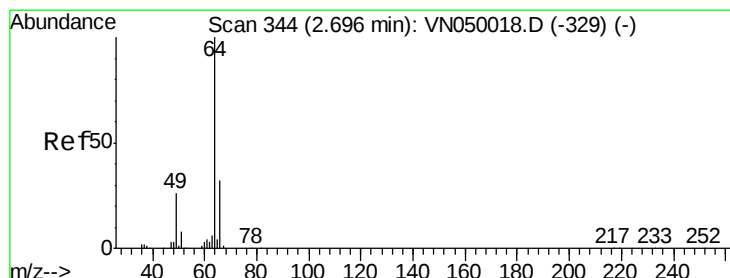
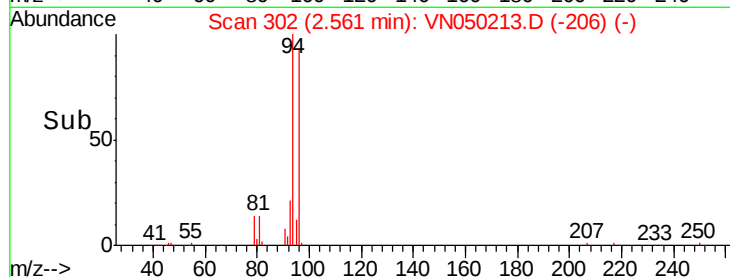
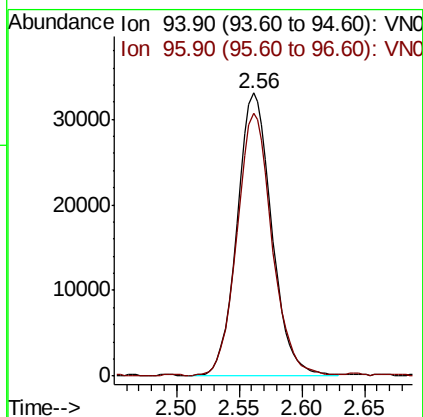
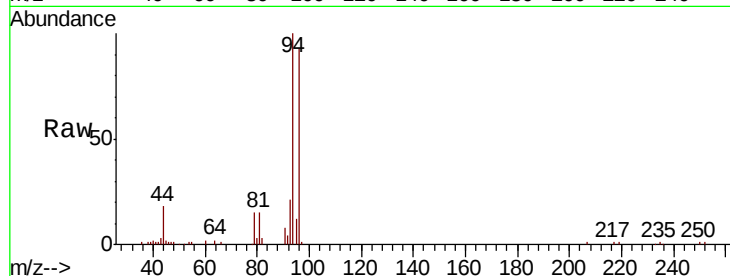
96 93.0 74.6 112.0

Manual Integrations

APPROVED

MMDadoda

8/1/2018 11:14:14 AM



#6

Chloroethane

Concen: 17.641 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050213.D

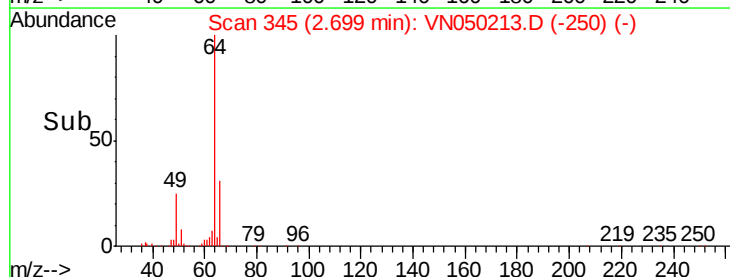
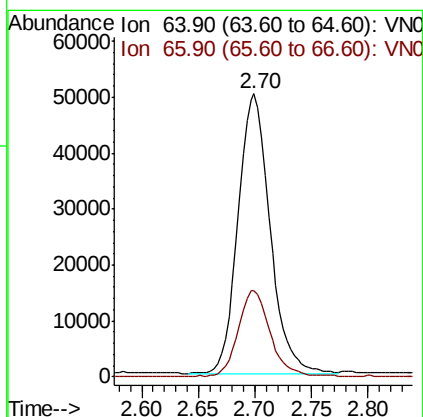
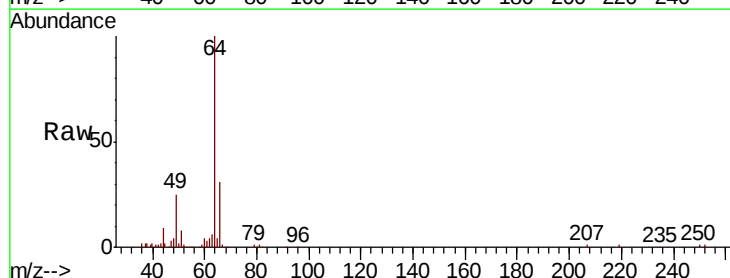
Acq: 31 Jul 2018 14:27

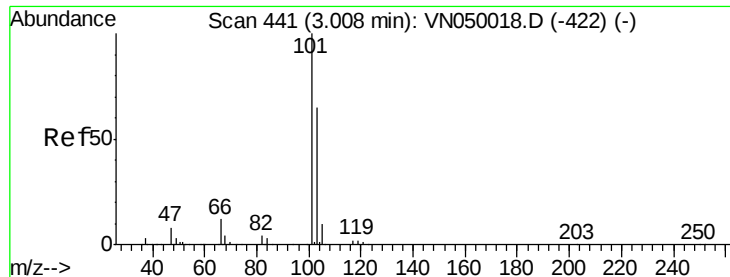
Tgt Ion: 64 Resp: 98551

Ion Ratio Lower Upper

64 100

66 31.0 25.3 37.9





#7

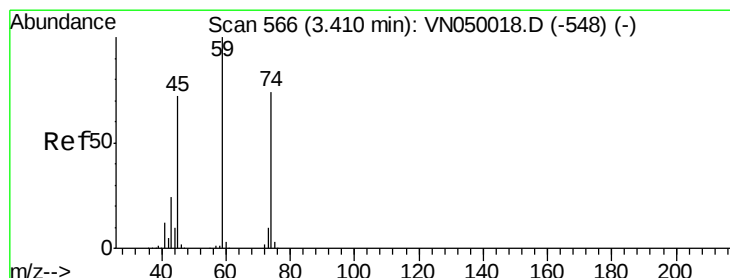
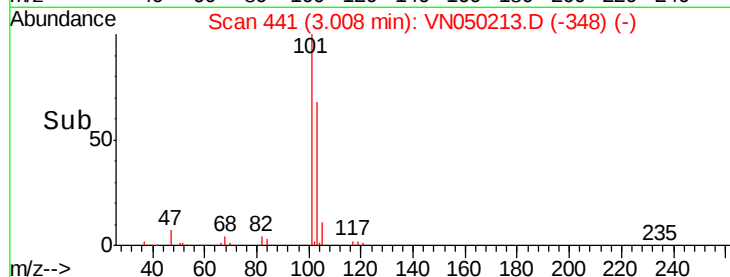
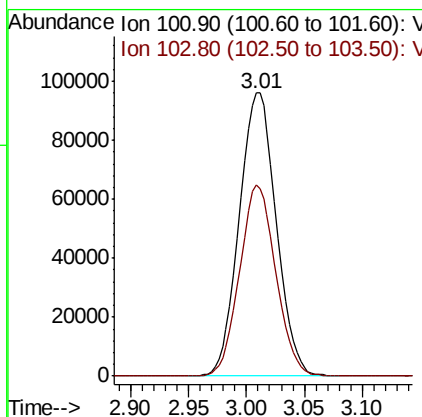
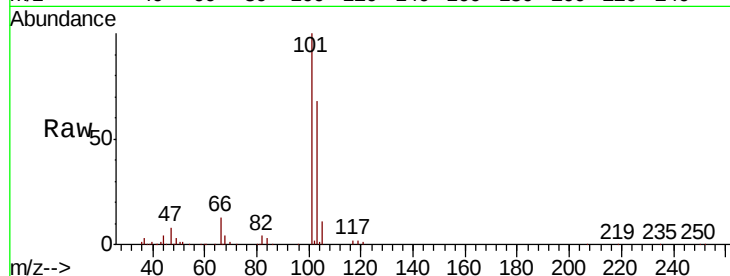
Trichlorofluoromethane  
 Concen: 17.729 ug/l  
 RT: 3.01 min Scan# 441  
 Delta R.T. 0.00 min  
 Lab File: VN050213.D  
 Acq: 31 Jul 2018 14:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0731WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 67.7  | 51.7  | 77.5  |

Manual Integrations  
 APPROVED

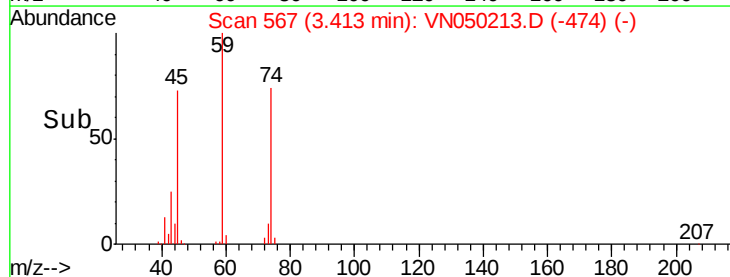
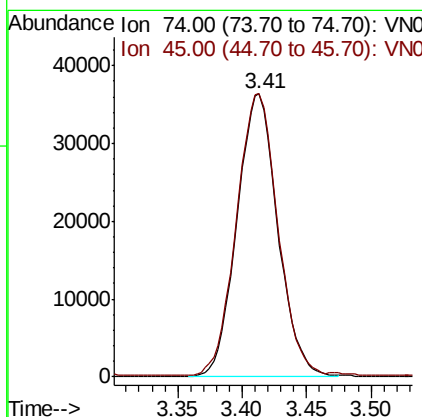
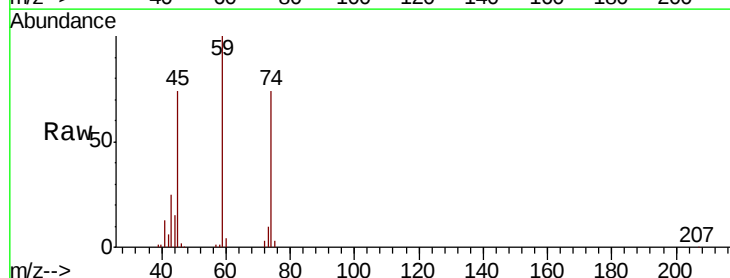
MMDadoda  
 8/1/2018 11:14:14 AM

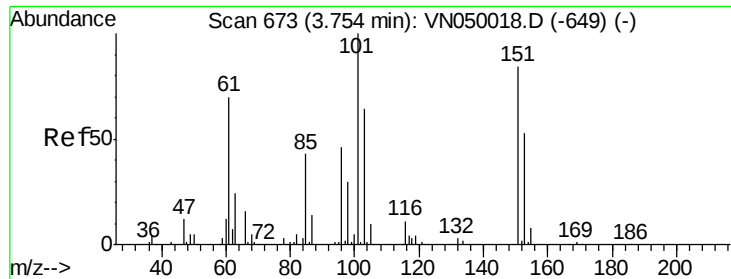


#8

Diethyl Ether  
 Concen: 19.939 ug/l  
 RT: 3.41 min Scan# 567  
 Delta R.T. 0.00 min  
 Lab File: VN050213.D  
 Acq: 31 Jul 2018 14:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 100.4 | 47.6  | 142.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.988 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA\_N

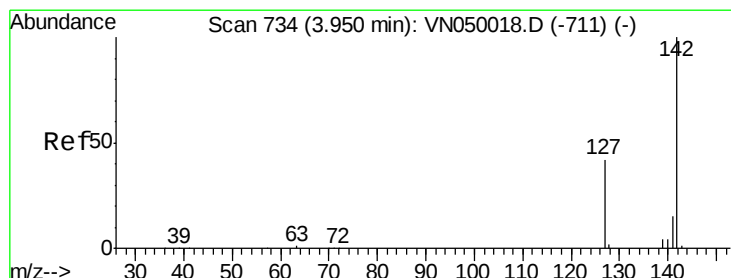
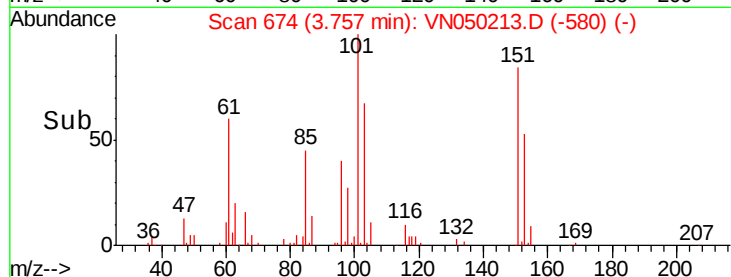
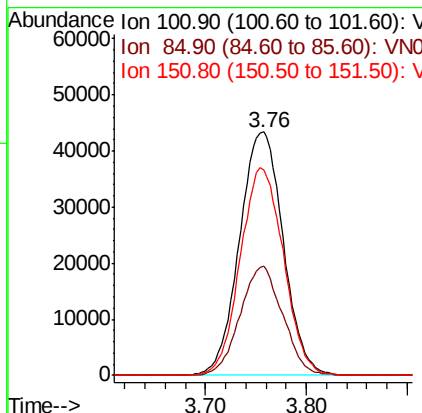
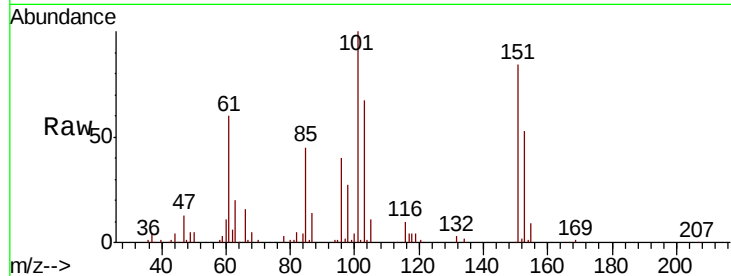
ClientSampleId :

VN0731WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 130347 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.6  | 34.2  | 51.2   |
| 151       | 84.4  | 66.3  | 99.5   |

Manual Integrations  
APPROVED

MMDadoda  
8/1/2018 11:14:14 AM



#10

Methyl Iodide

Concen: 7.109 ug/l

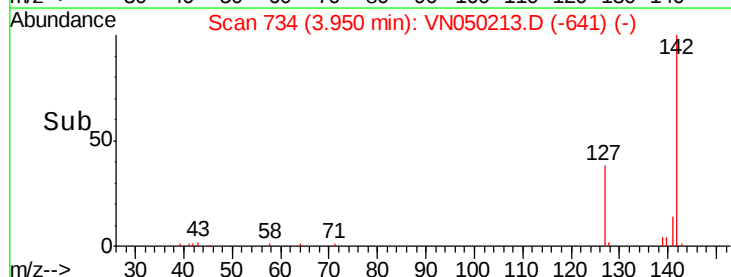
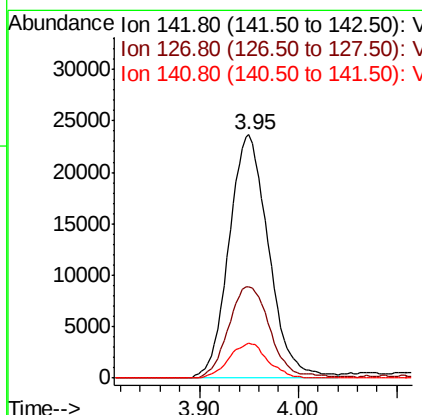
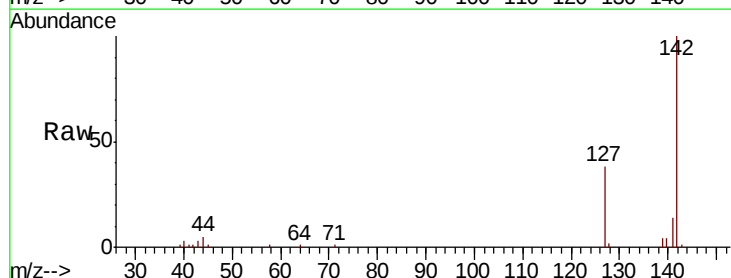
RT: 3.95 min Scan# 734

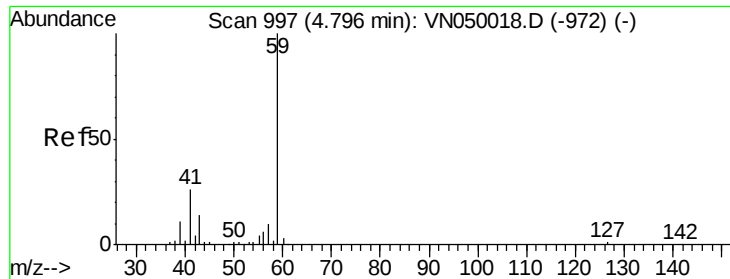
Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 66119 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 38.7  | 33.4  | 50.2  |
| 141       | 14.0  | 11.6  | 17.4  |





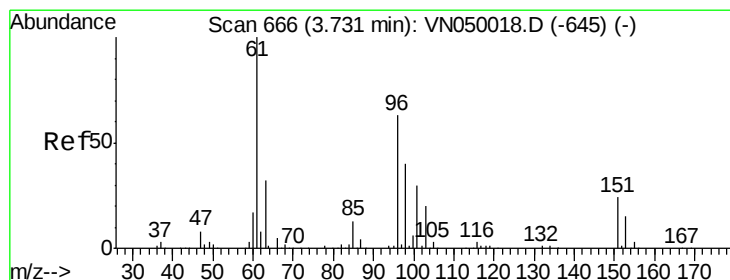
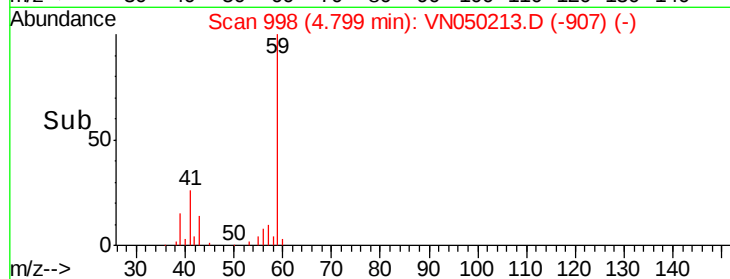
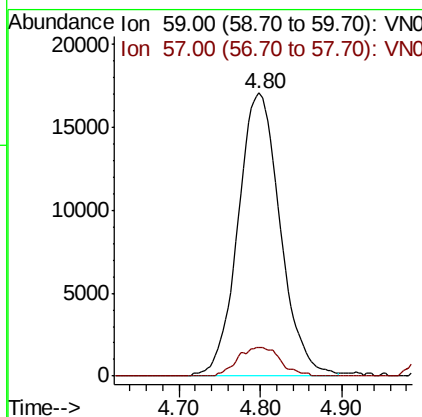
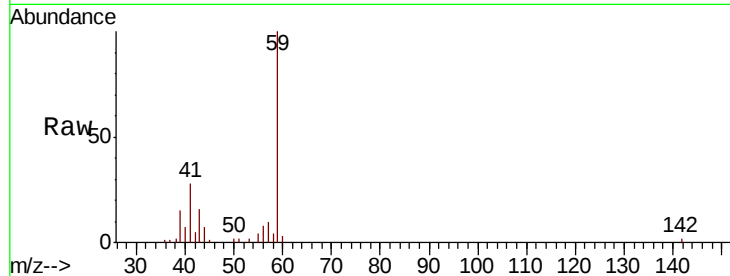
#11  
Tert butyl alcohol  
Concen: 105.260 ug/l  
RT: 4.80 min Scan# 998  
Delta R.T. -0.01 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.3  | 8.5   | 12.7  |

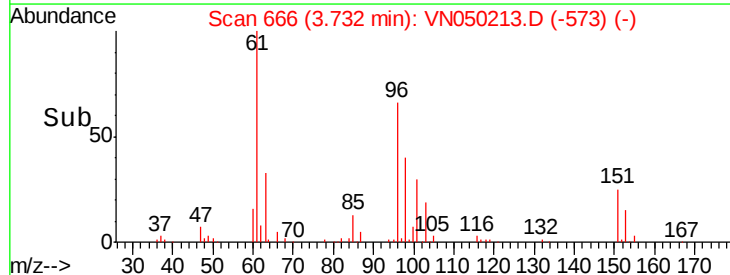
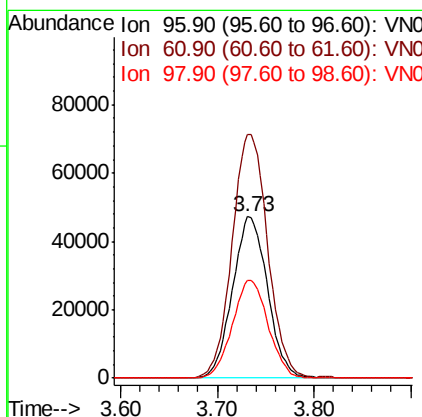
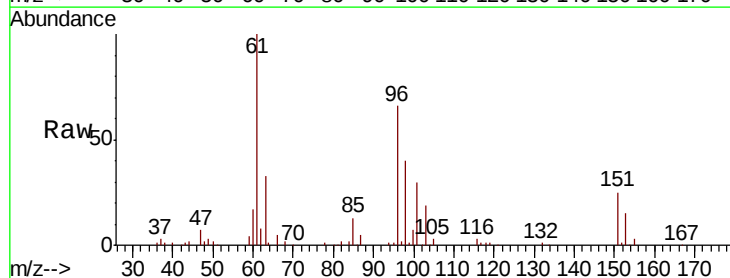
Manual Integrations  
APPROVED

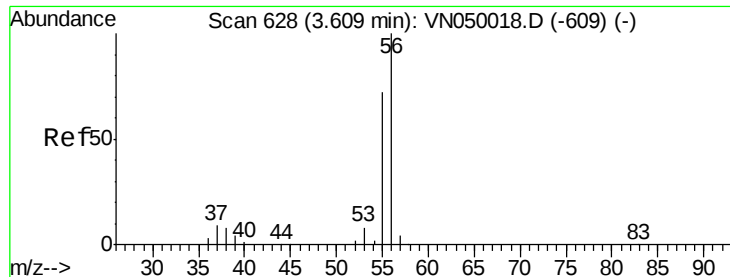
MMDadoda  
8/1/2018 11:14:14 AM



#12  
1,1-Dichloroethene  
Concen: 18.220 ug/l  
RT: 3.73 min Scan# 666  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 151.1 | 124.4 | 186.6 |
| 98      | 60.4  | 48.3  | 72.5  |





#13

Acrolein

Concen: 35.117 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA\_N

ClientSampleId :

VN0731WBSD02

Tot Ion: 56 Resp: 16381

Ion Ratio Lower Upper

56 100

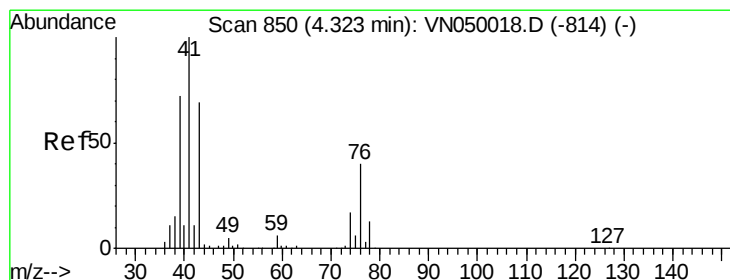
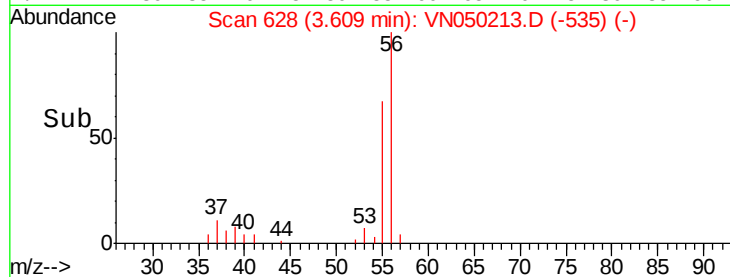
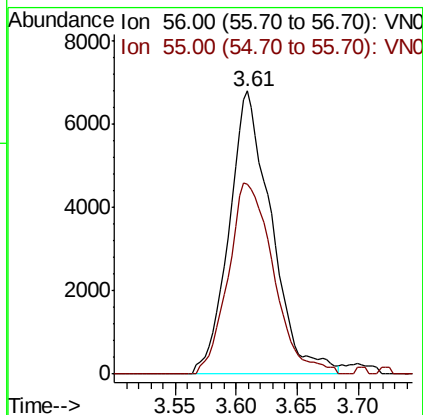
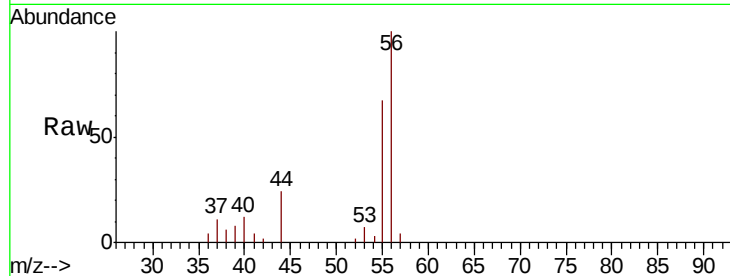
55 72.0 55.8 83.6

Manual Integrations

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MMDadoda

8/1/2018 11:14:14 AM



#14

Allyl chloride

Concen: 19.104 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

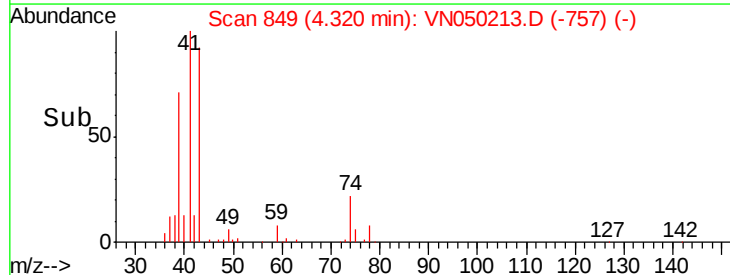
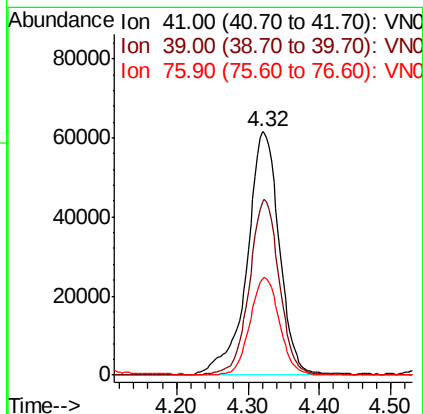
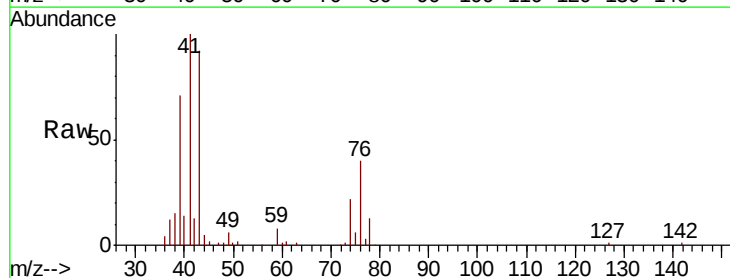
Tgt Ion: 41 Resp: 193094

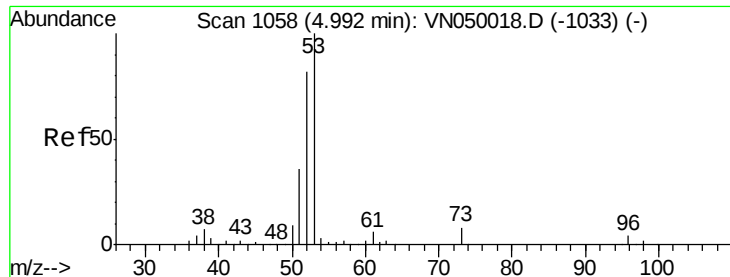
Ion Ratio Lower Upper

41 100

39 66.9 54.2 81.4

76 36.6 29.0 43.6





#15

Acrylonitrile

Concen: 103.446 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA\_N

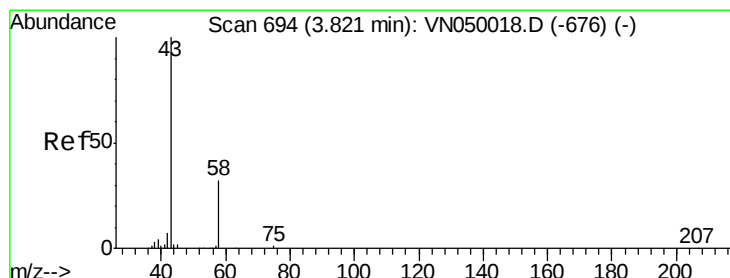
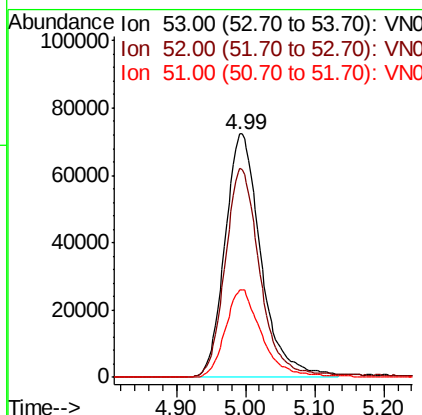
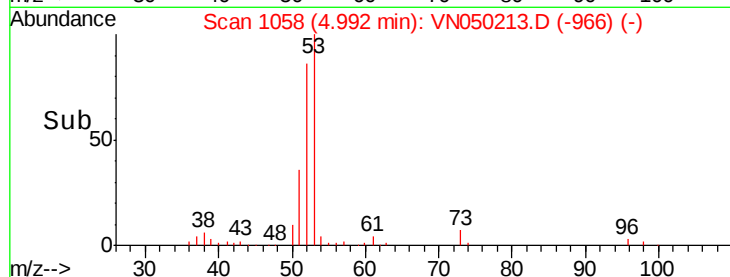
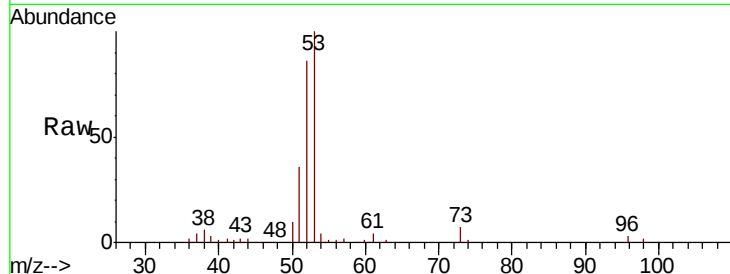
ClientSampleId :

VN0731WBSD02

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 262034 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.5  | 66.2  | 99.2   |
| 51       | 35.9  | 29.3  | 43.9   |

Manual Integrations  
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MMDadoda  
8/1/2018 11:14:14 AM



#16

Acetone

Concen: 108.435 ug/l

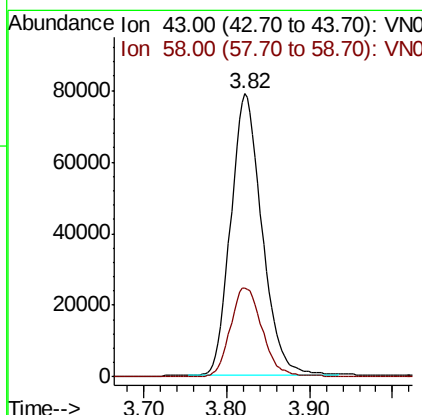
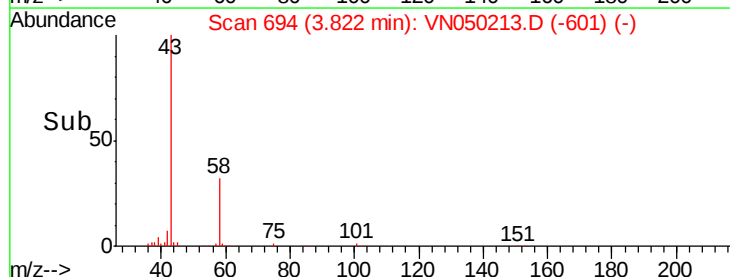
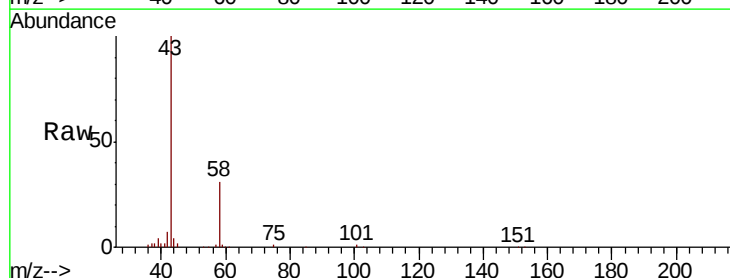
RT: 3.82 min Scan# 694

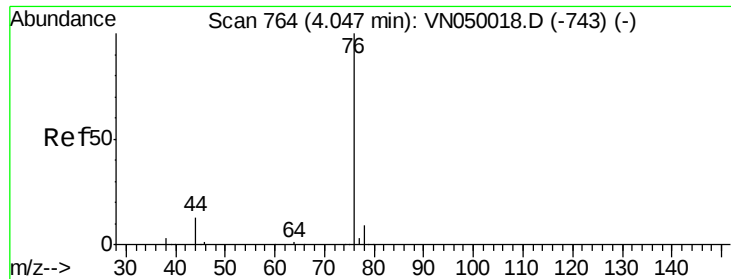
Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 206114 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 31.4  | 25.8  | 38.8   |





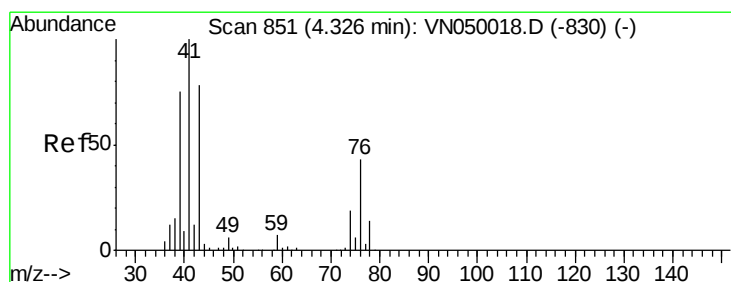
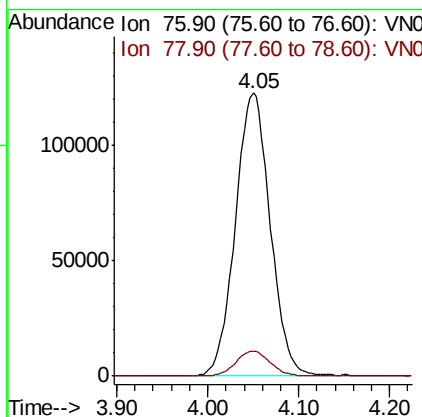
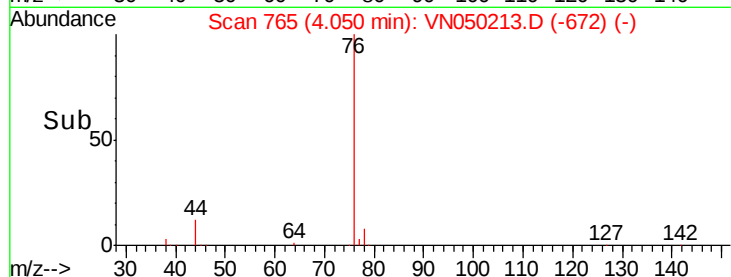
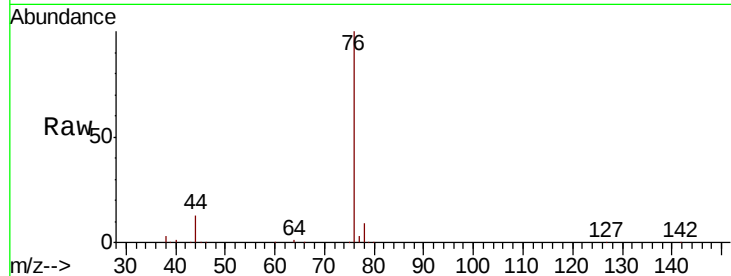
#17  
Carbon Disulfide  
Concen: 16.323 ug/l  
RT: 4.05 min Scan# 765  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.8   | 7.3   | 10.9  |

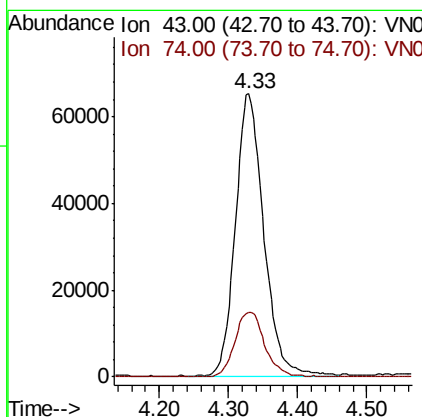
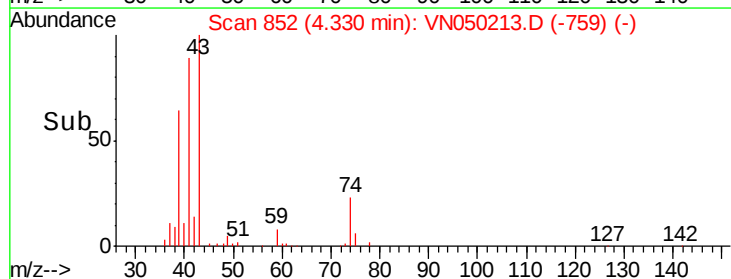
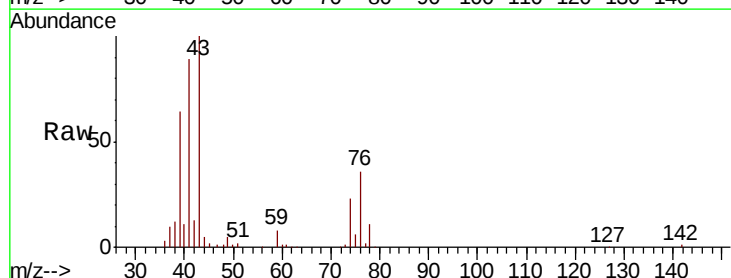
Manual Integrations  
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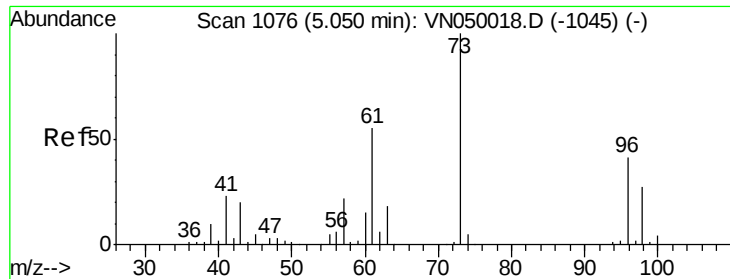
MMDadoda  
8/1/2018 11:14:14 AM



#18  
Methyl Acetate  
Concen: 25.206 ug/l  
RT: 4.33 min Scan# 852  
Delta R.T. -0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.7  | 19.2  | 28.8  |





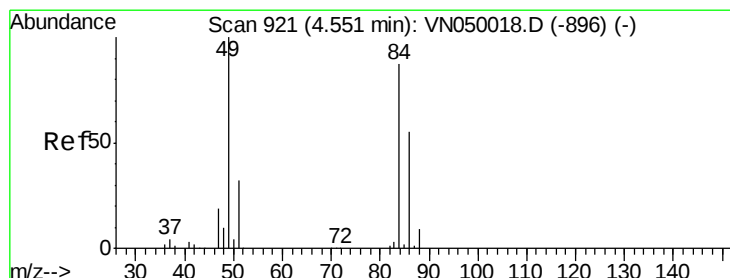
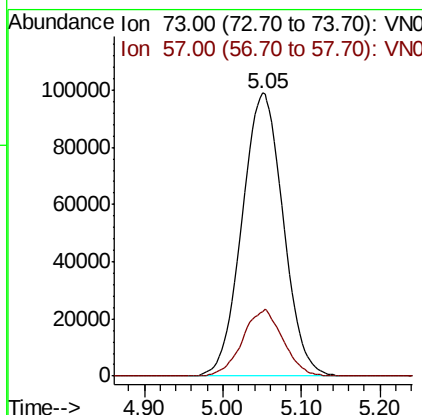
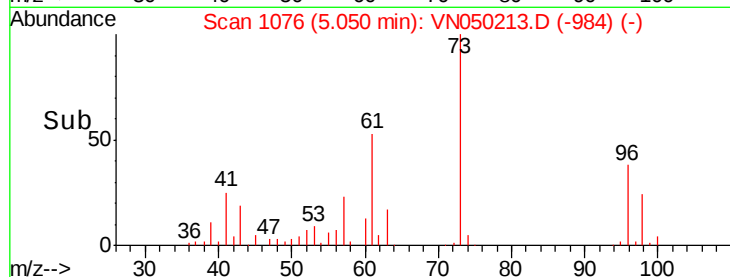
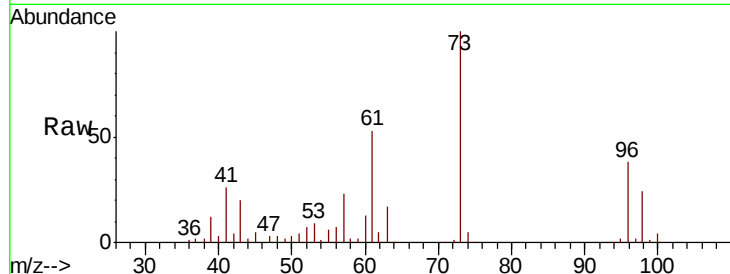
#19  
Methyl tert-butyl Ether  
Concen: 21.020 ug/l  
RT: 5.05 min Scan# 1076  
Delta R.T. -0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBSD02

Tot Ion: 73 Resp: 365137  
Ion Ratio Lower Upper  
73 100  
57 22.9 18.0 27.0

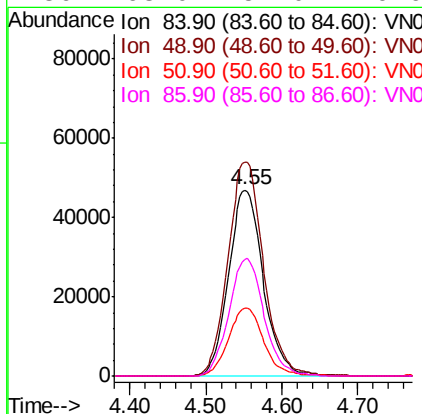
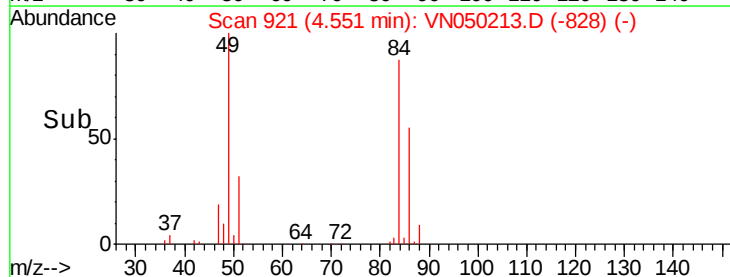
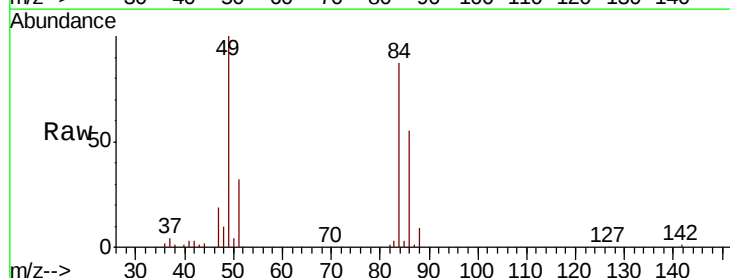
Manual Integrations  
APPROVED

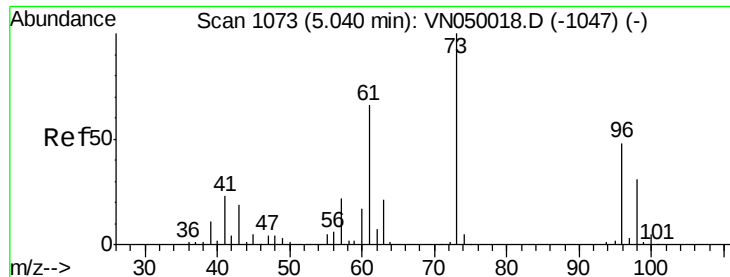
MMDadoda  
8/1/2018 11:14:14 AM



#20  
Methylene Chloride  
Concen: 20.556 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Tgt Ion: 84 Resp: 148986  
Ion Ratio Lower Upper  
84 100  
49 114.8 94.8 142.2  
51 36.7 28.3 42.5  
86 63.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.653 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA\_N

ClientSampleId :

VN0731WBSD02

Tot Ion: 96 Resp: 128833

Ion Ratio Lower Upper

96 100

61 132.2 110.7 166.1

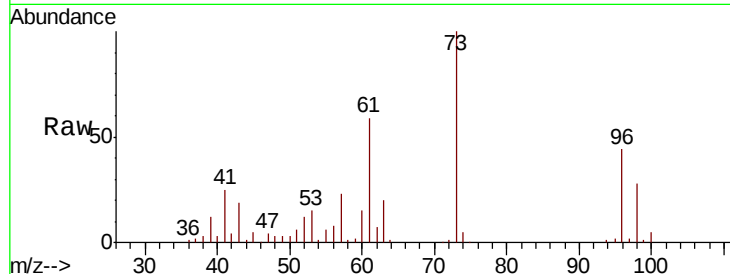
98 63.1 51.6 77.4

Manual Integrations

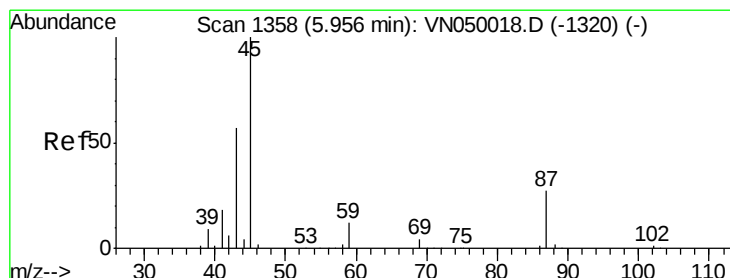
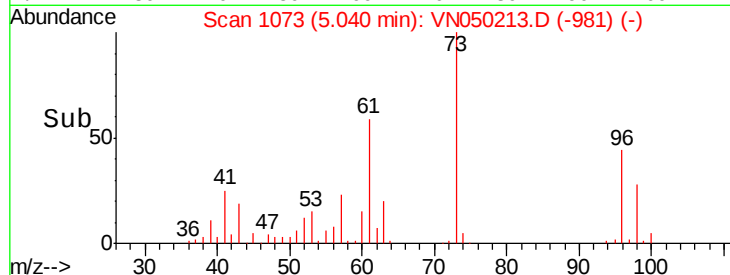
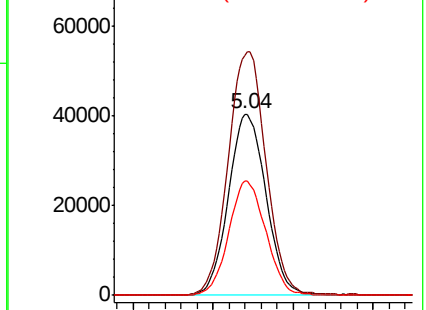
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Abundance Ion 95.90 (95.60 to 96.60): VNO  
Ion 60.90 (60.60 to 61.60): VNO  
Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 21.740 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Tgt Ion: 45 Resp: 435695

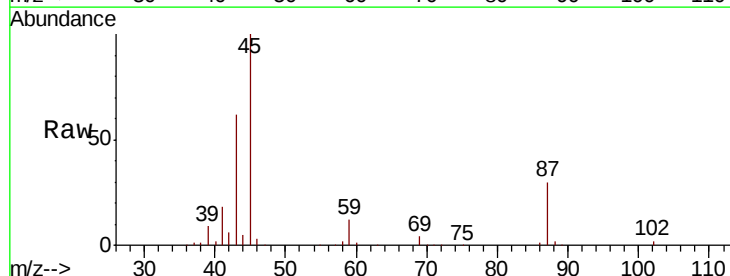
Ion Ratio Lower Upper

45 100

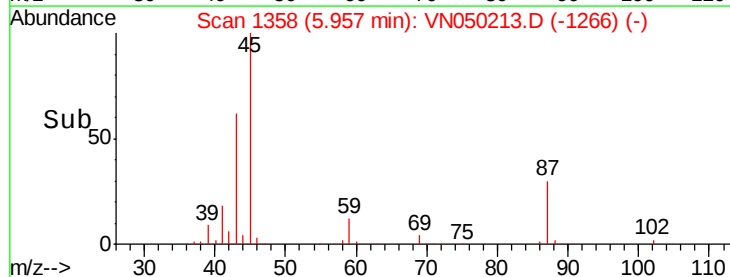
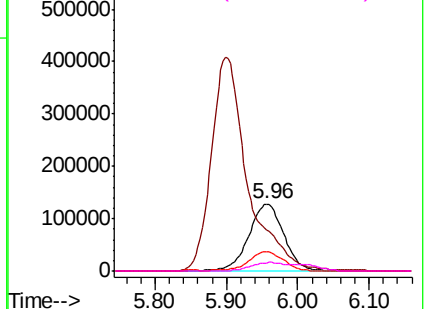
43 60.2 45.7 68.5

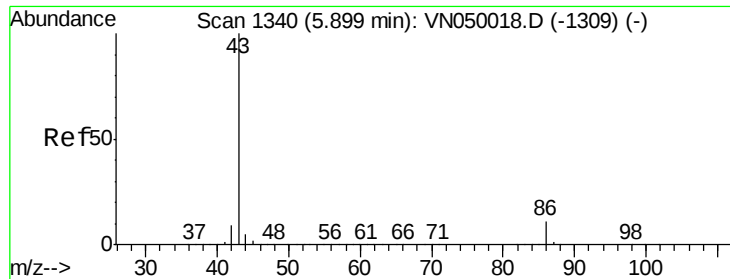
87 29.3 22.7 34.1

59 12.0 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VNO  
Ion 43.00 (42.70 to 43.70): VNO  
Ion 87.00 (86.70 to 87.70): VNO  
Ion 59.00 (58.70 to 59.70): VNO





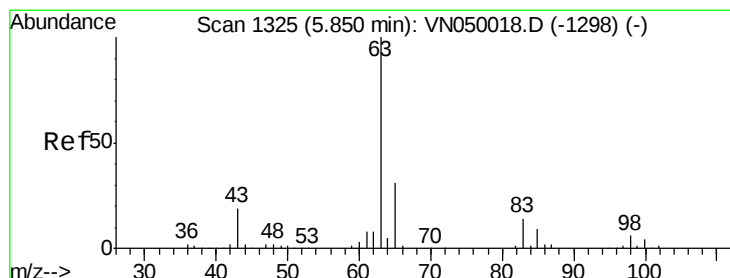
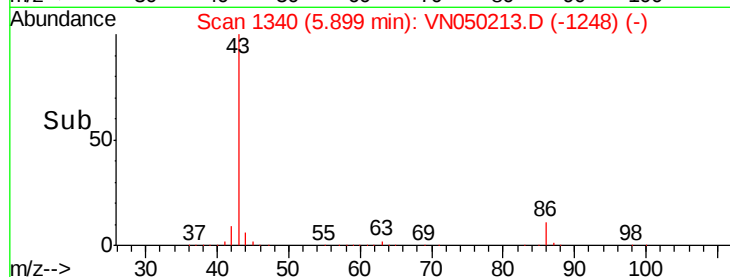
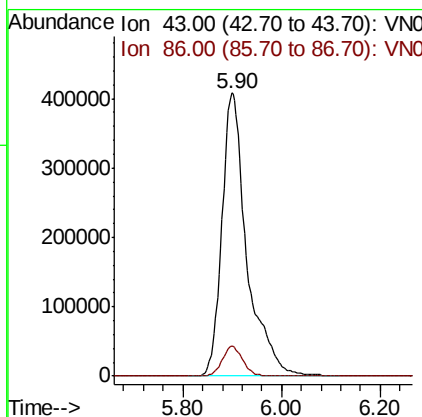
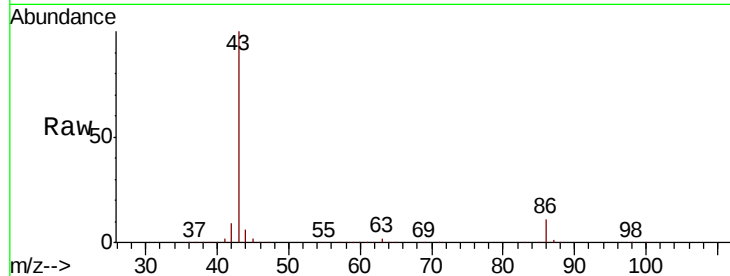
#23  
 Vinyl Acetate  
 Concen: 101.853 ug/l  
 RT: 5.90 min Scan# 1340  
 Delta R.T. -0.00 min  
 Lab File: VN050213.D  
 Acq: 31 Jul 2018 14:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0731WBSD02

Tot Ion: 43 Resp: 1442508  
 Ion Ratio Lower Upper  
 43 100  
 86 10.8 8.6 13.0

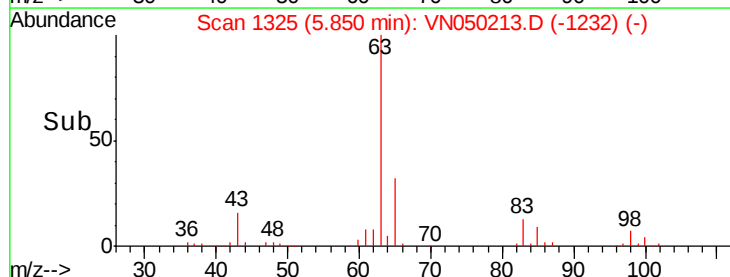
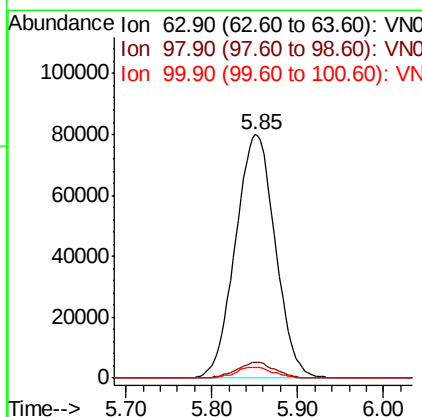
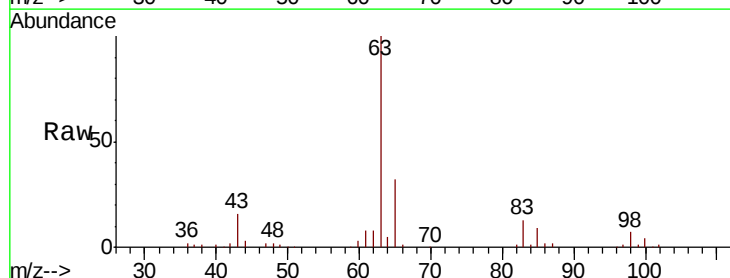
Manual Integrations  
 APPROVED

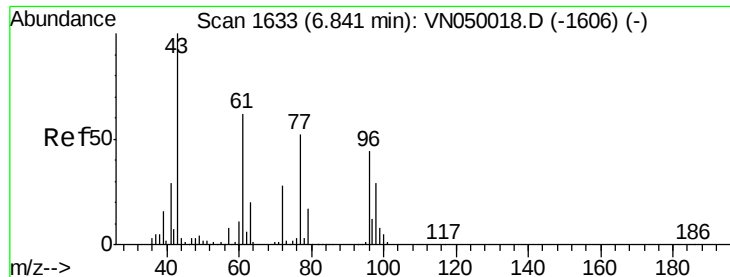
MMDadoda  
 8/1/2018 11:14:14 AM



#24  
 1,1-Dichloroethane  
 Concen: 19.642 ug/l  
 RT: 5.85 min Scan# 1325  
 Delta R.T. 0.00 min  
 Lab File: VN050213.D  
 Acq: 31 Jul 2018 14:27

Tgt Ion: 63 Resp: 257415  
 Ion Ratio Lower Upper  
 63 100  
 98 6.6 3.3 9.8  
 100 4.5 2.1 6.3





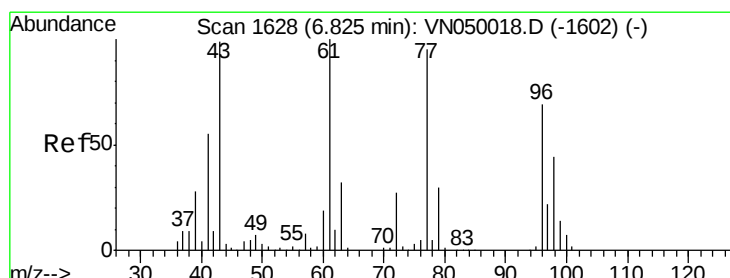
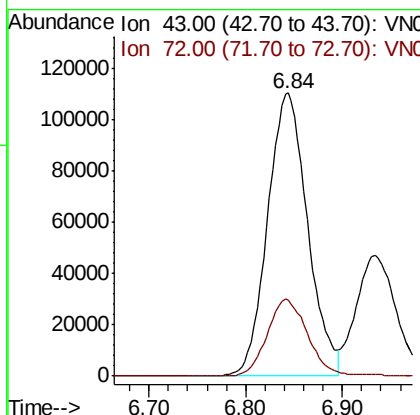
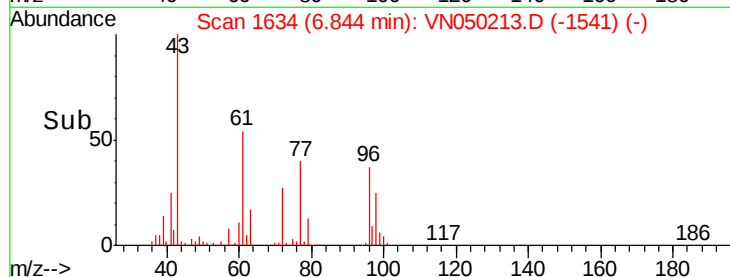
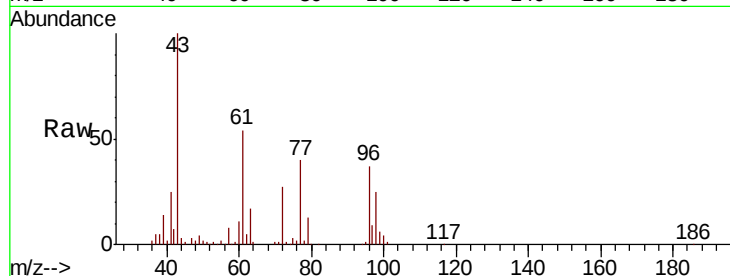
#25  
2-Butanone  
Concen: 104.940 ug/l  
RT: 6.84 min Scan# 1634  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBSD02

Tot Ion: 43 Resp: 315843  
Ion Ratio Lower Upper  
43 100  
72 26.9 21.5 32.3

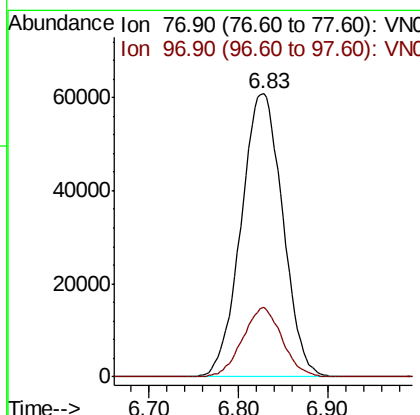
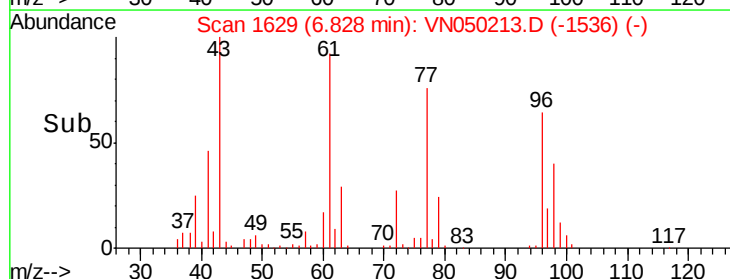
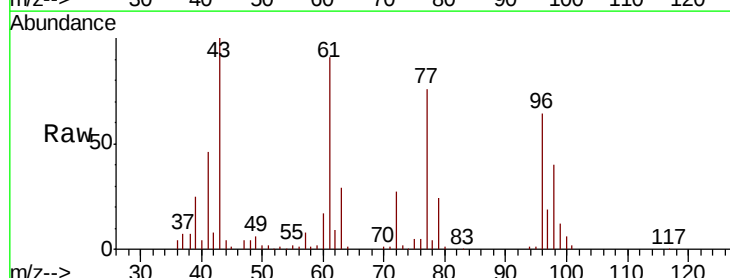
Manual Integrations  
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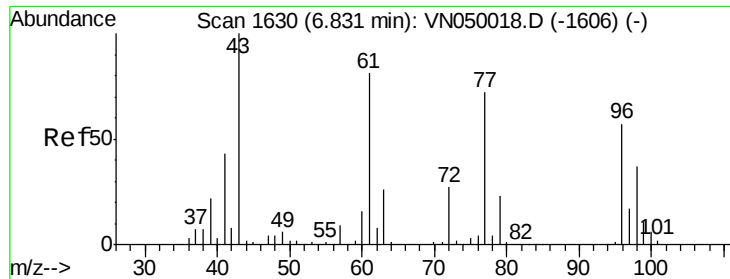
MMDadoda  
8/1/2018 11:14:14 AM



#26  
2,2-Dichloropropane  
Concen: 19.845 ug/l  
RT: 6.83 min Scan# 1629  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Tgt Ion: 77 Resp: 197847  
Ion Ratio Lower Upper  
77 100  
97 23.1 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.024 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA\_N

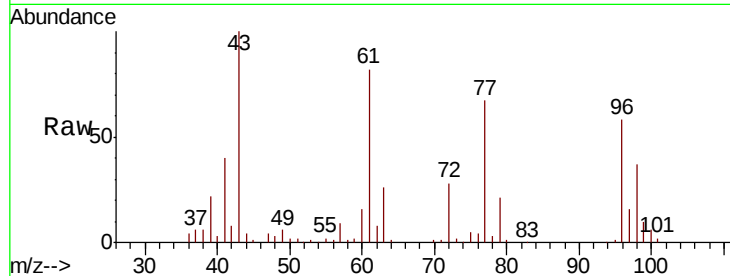
ClientSampleId :

VN0731WBSD02

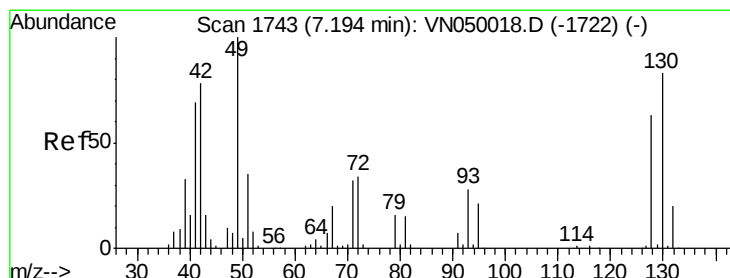
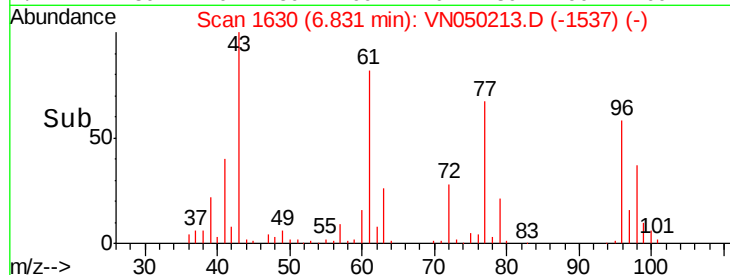
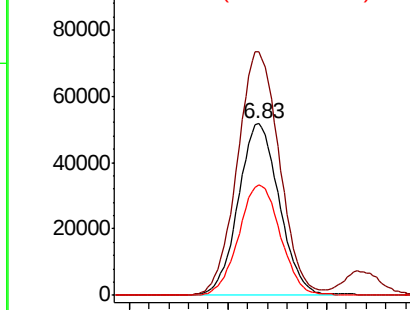
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 148885 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 146.1 | 0.0   | 285.0  |
| 98       | 65.6  | 0.0   | 129.2  |

Manual Integrations  
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8/1/2018 11:14:14 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.261 ug/l

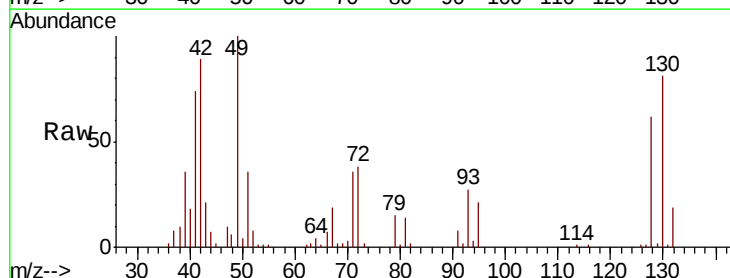
RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

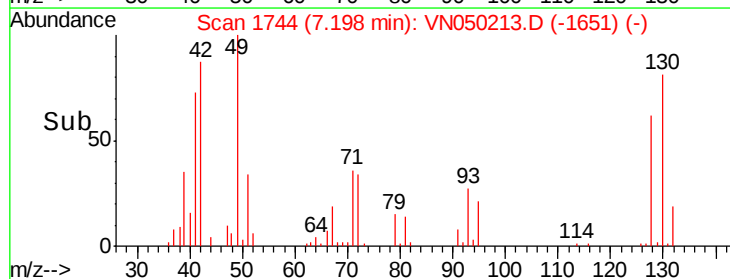
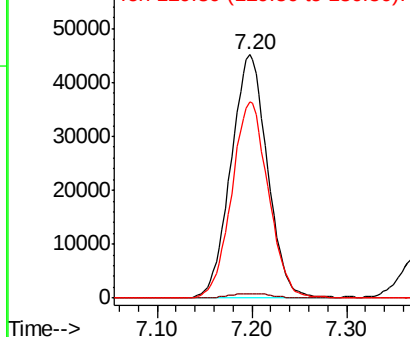
Lab File: VN050213.D

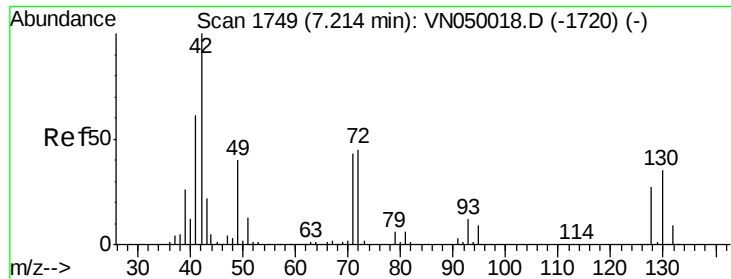
Acq: 31 Jul 2018 14:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 121108 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 2.1   | 0.0   | 4.0    |
| 130      | 80.9  | 66.3  | 99.5   |



Abundance Ion 48.90 (48.60 to 49.60): VN0  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V





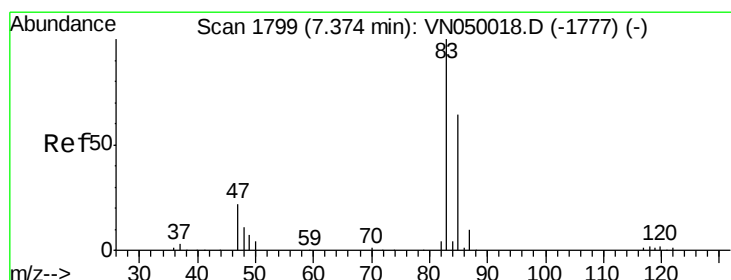
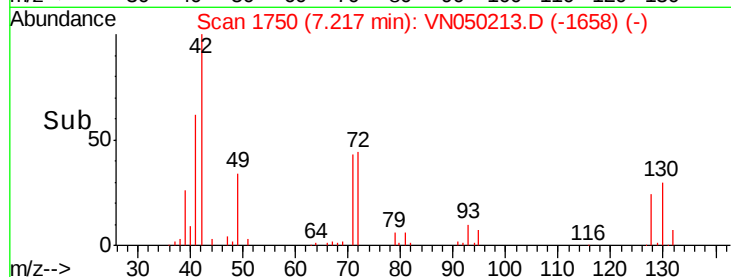
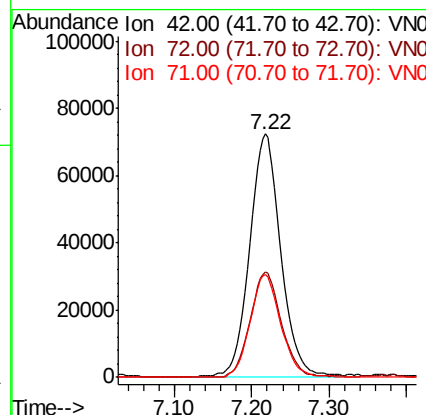
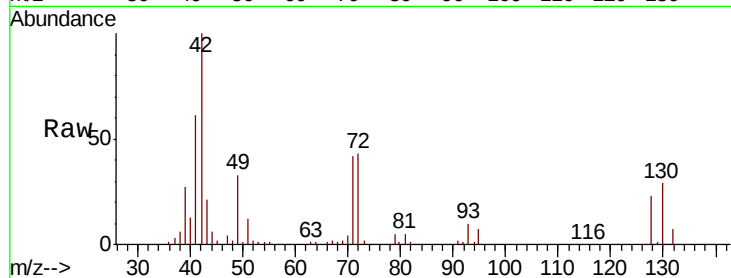
#29  
Tetrahydrofuran  
Concen: 105.107 ug/l  
RT: 7.22 min Scan# 1750  
Delta R.T. -0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.2  | 35.9  | 53.9  |
| 71      | 41.2  | 33.7  | 50.5  |

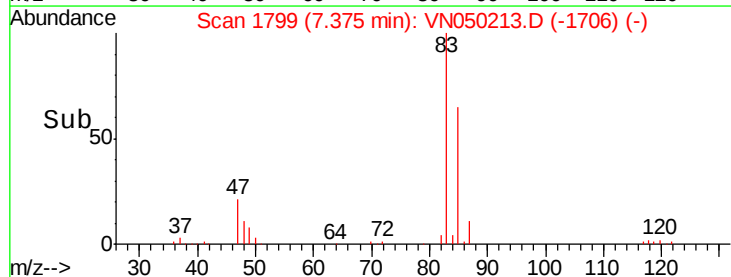
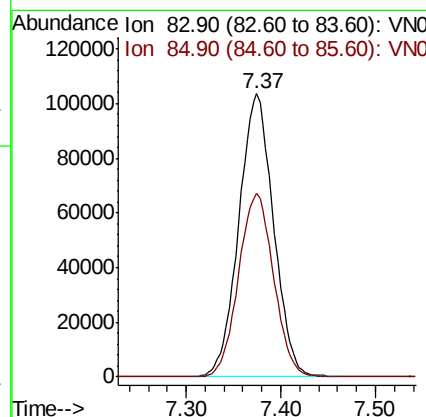
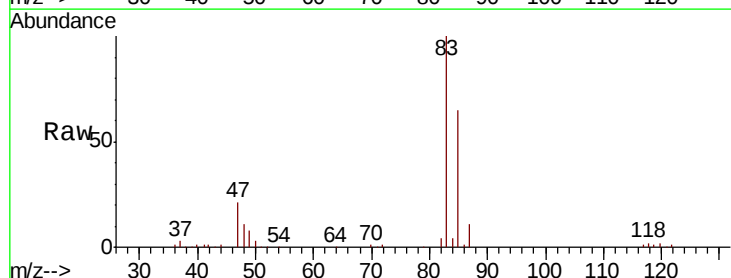
Manual Integrations  
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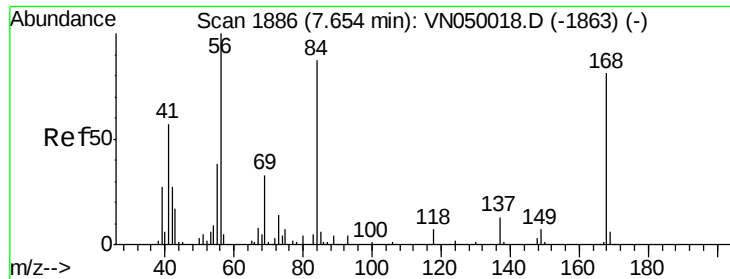
MMDadoda  
8/1/2018 11:14:14 AM



#30  
Chloroform  
Concen: 19.759 ug/l  
RT: 7.37 min Scan# 1799  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.7  | 52.5  | 78.7  |





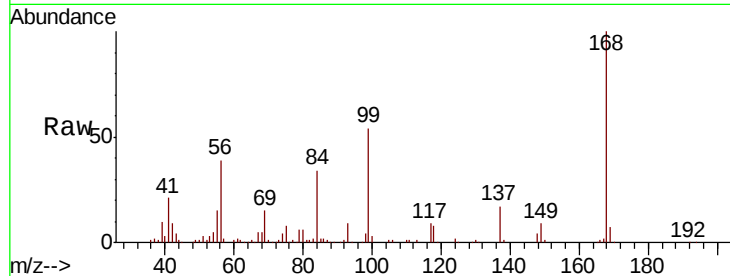
#31  
Cyclohexane  
Concen: 17.899 ug/l  
RT: 7.66 min Scan# 1887  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBSD02

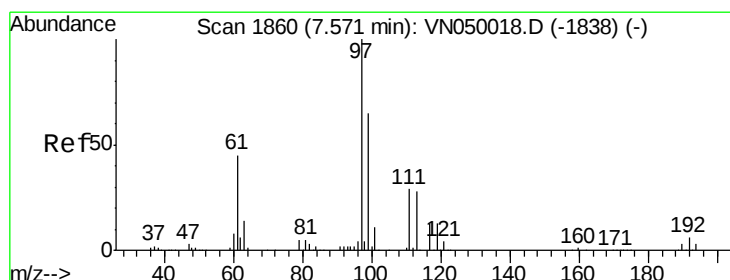
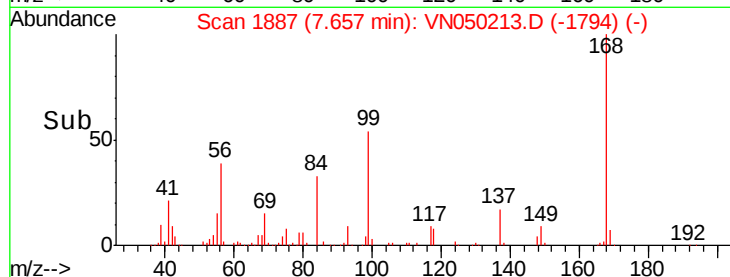
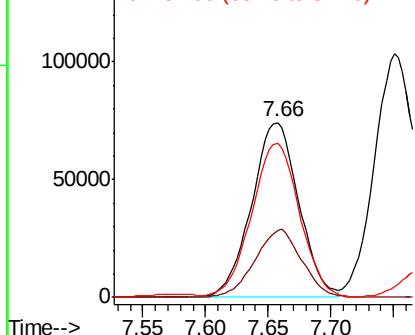
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 38.2  | 26.2  | 39.4  |
| 84      | 86.4  | 67.4  | 101.0 |

Manual Integrations  
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8/1/2018 11:14:14 AM

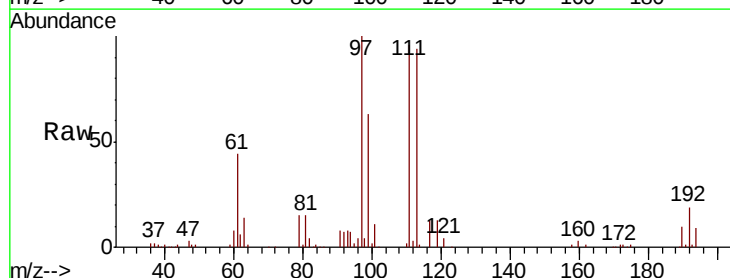


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

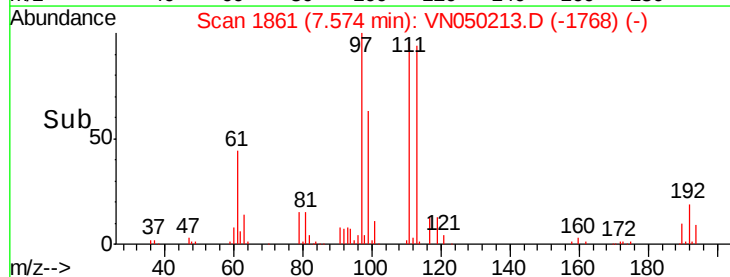
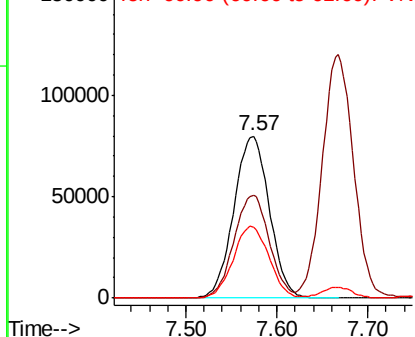


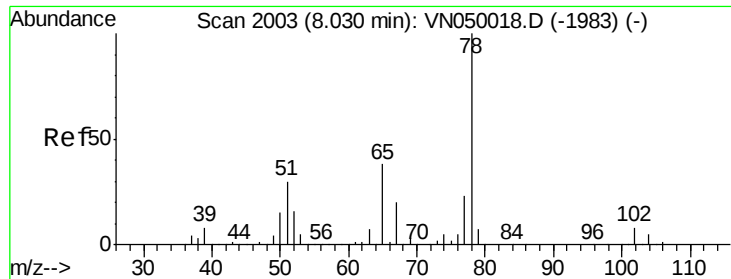
#32  
1,1,1-Trichloroethane  
Concen: 18.947 ug/l  
RT: 7.57 min Scan# 1861  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.2  | 51.4  | 77.0  |
| 61      | 44.5  | 35.4  | 53.0  |



Abundance Ion 96.90 (96.60 to 97.60): VN0  
Ion 98.90 (98.60 to 99.60): VN0  
Ion 60.90 (60.60 to 61.60): VN0





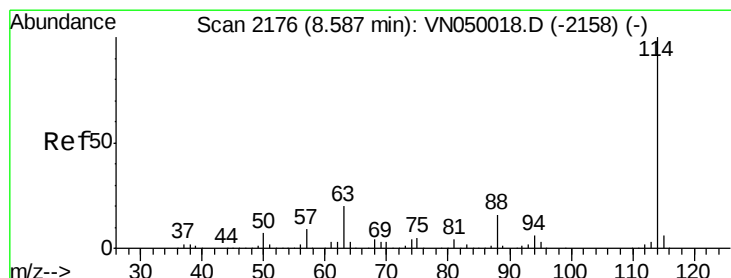
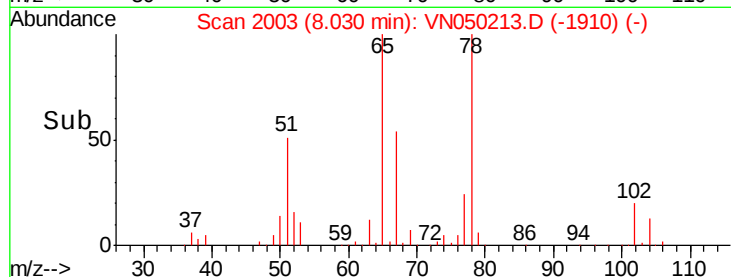
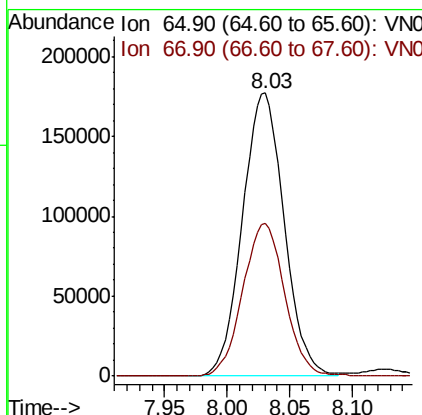
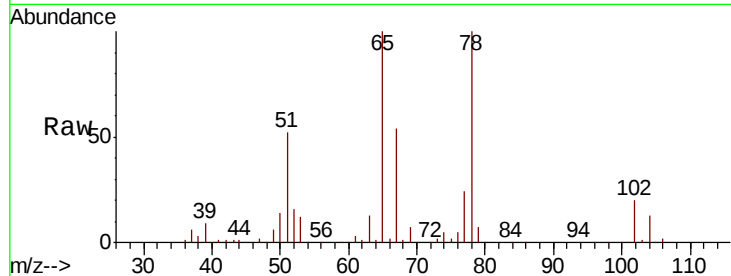
#33  
 1,2-Dichloroethane-d4  
 Concen: 51.949 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN050213.D  
 Acq: 31 Jul 2018 14:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0731WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 409914 |       |       |
| 67      | 54.4  | 0.0    | 108.4 |       |

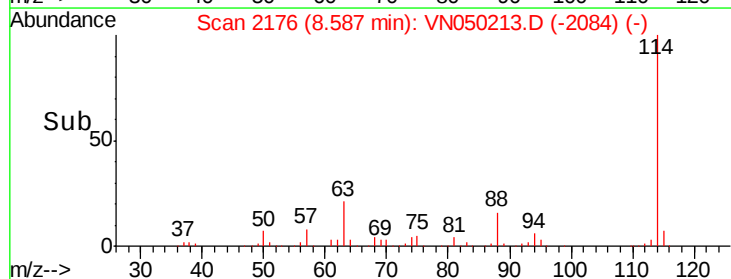
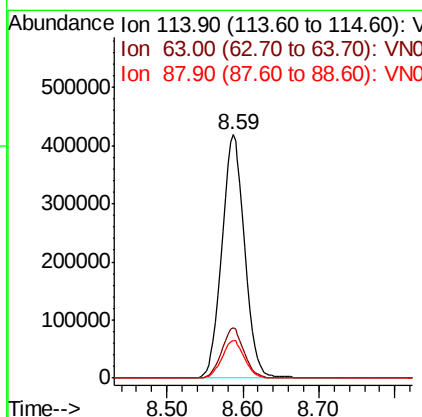
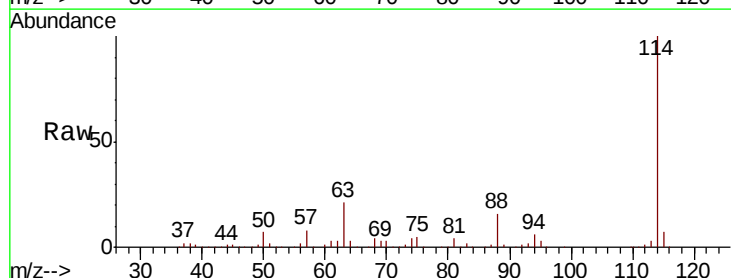
Manual Integrations  
 APPROVED

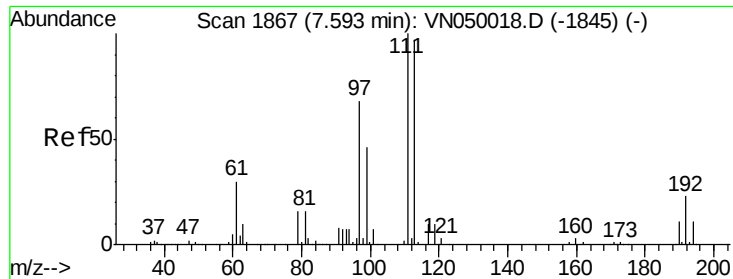
MMDadoda  
 8/1/2018 11:14:14 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. -0.00 min  
 Lab File: VN050213.D  
 Acq: 31 Jul 2018 14:27

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 870247 |       |       |
| 63      | 20.8  | 0.0    | 40.0  |       |
| 88      | 15.6  | 0.0    | 31.2  |       |





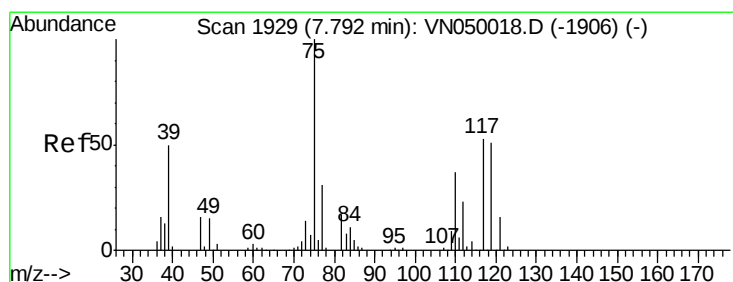
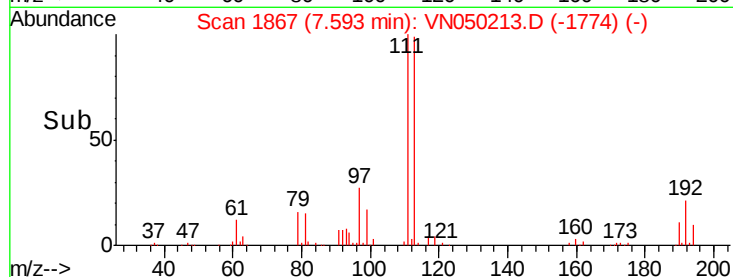
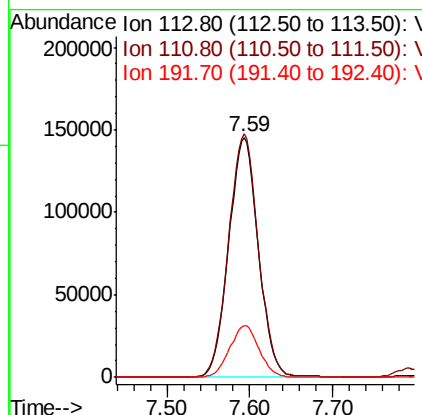
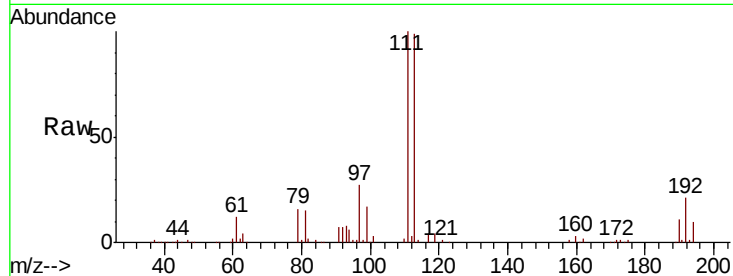
#35  
 Dibromofluoromethane  
 Concen: 50.992 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN050213.D  
 Acq: 31 Jul 2018 14:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0731WBSD02

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 102.0 | 80.7 | 121.1 |       |
| 192     | 21.5  | 17.8 | 26.6  |       |

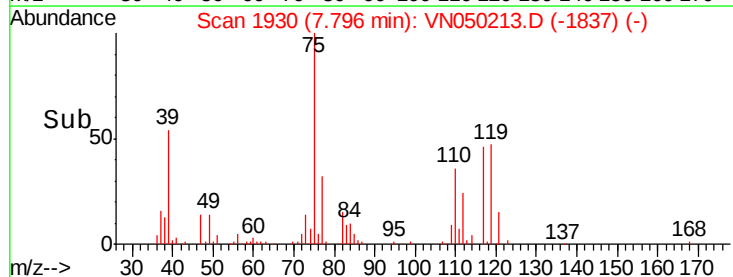
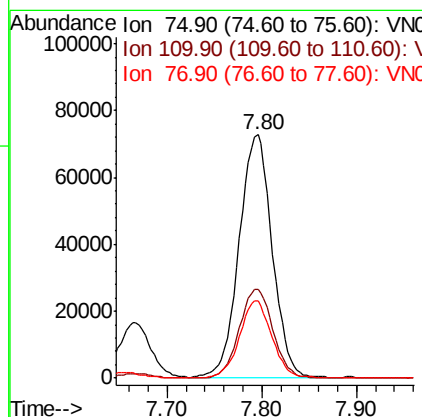
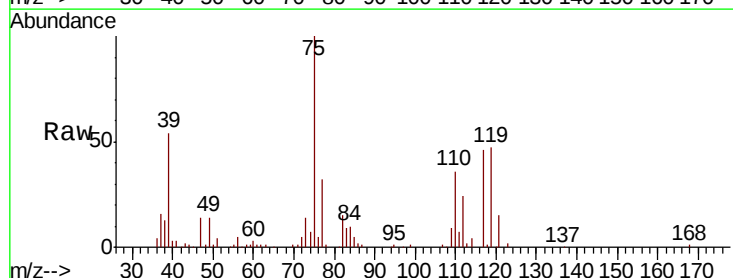
Manual Integrations  
 APPROVED

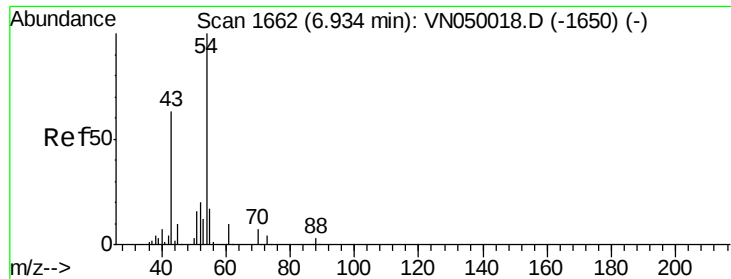
MMDadoda  
 8/1/2018 11:14:14 AM



#36  
 1,1-Dichloropropene  
 Concen: 17.990 ug/l  
 RT: 7.80 min Scan# 1930  
 Delta R.T. 0.00 min  
 Lab File: VN050213.D  
 Acq: 31 Jul 2018 14:27

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 37.2  | 18.4 | 55.2  |       |
| 77      | 31.3  | 25.3 | 37.9  |       |





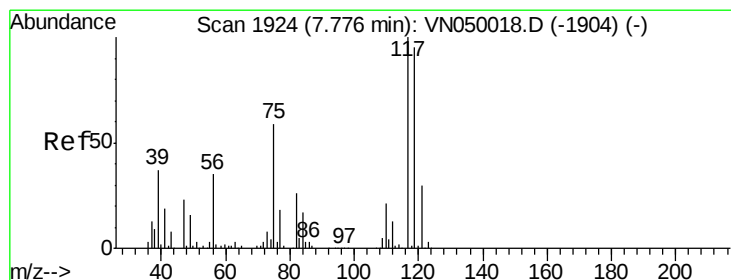
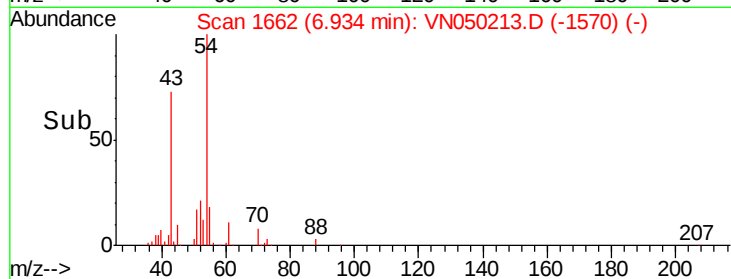
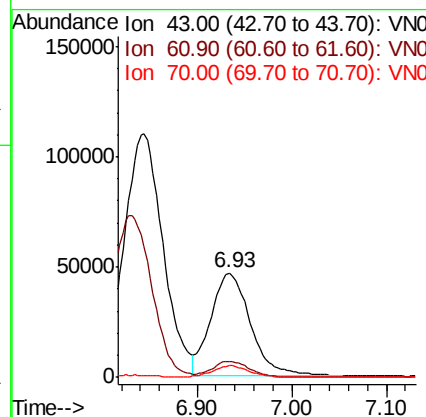
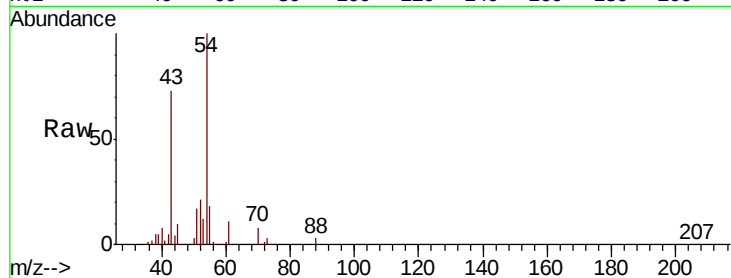
#37  
Ethyl Acetate  
Concen: 20.064 ug/l  
RT: 6.93 min Scan# 1662  
Delta R.T. -0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Instrument :  
MSVOA\_N  
ClientSampleID :  
VN0731WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.0  | 11.8  | 17.8  |
| 70      | 10.3  | 8.4   | 12.6  |

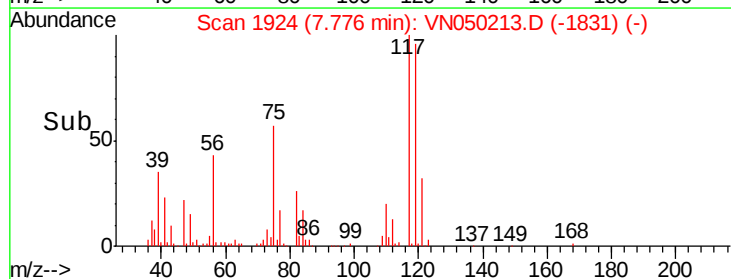
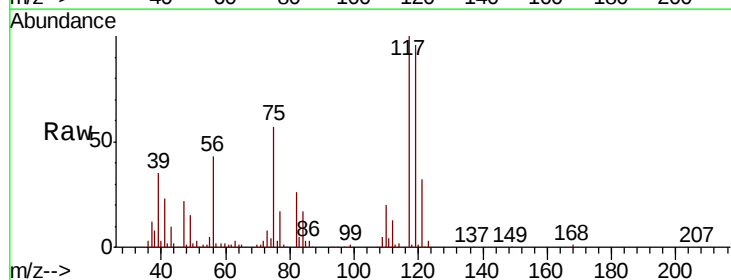
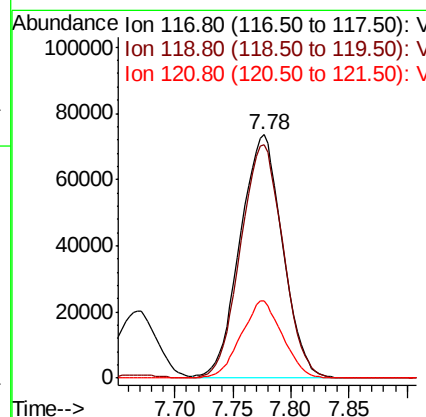
Manual Integrations  
APPROVED

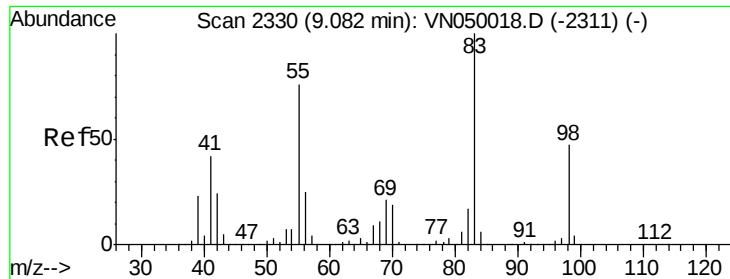
MMDadoda  
8/1/2018 11:14:14 AM



#38  
Carbon Tetrachloride  
Concen: 18.088 ug/l  
RT: 7.78 min Scan# 1924  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.0  | 77.4  | 116.0 |
| 121     | 31.7  | 23.9  | 35.9  |





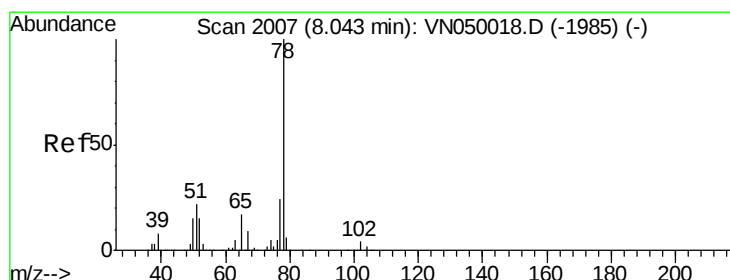
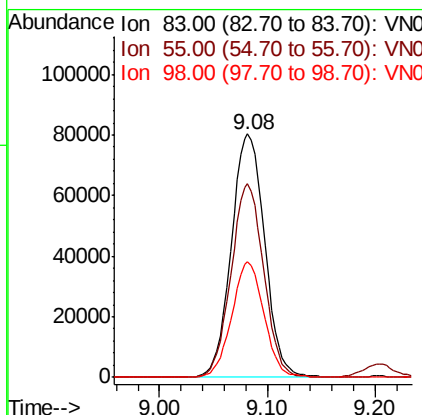
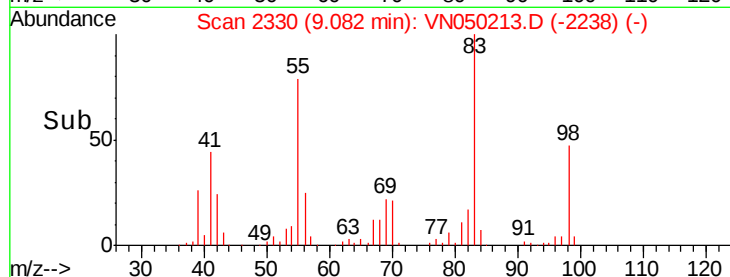
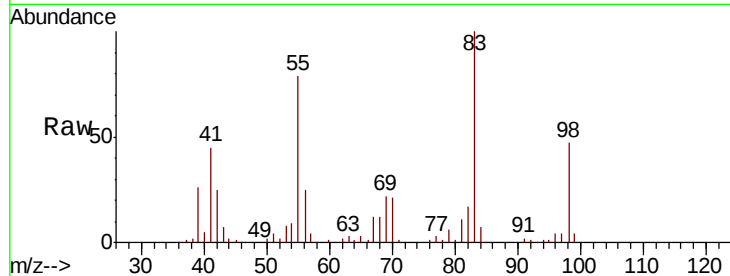
#39  
Methvlcvclohexane  
Concen: 17.149 ug/l  
RT: 9.08 min Scan# 2330  
Delta R.T. -0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 79.3  | 61.8  | 92.8  |
| 98      | 47.4  | 36.5  | 54.7  |

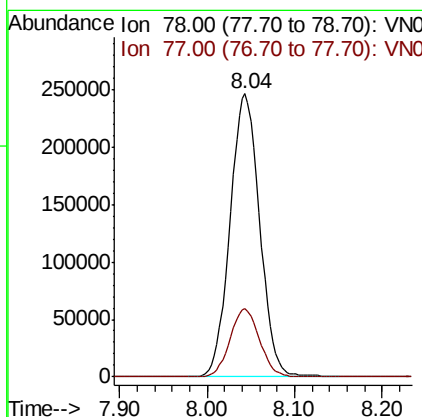
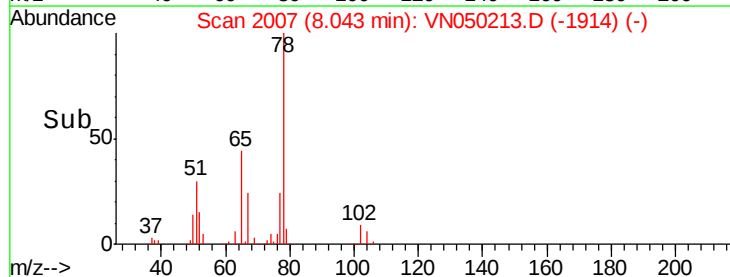
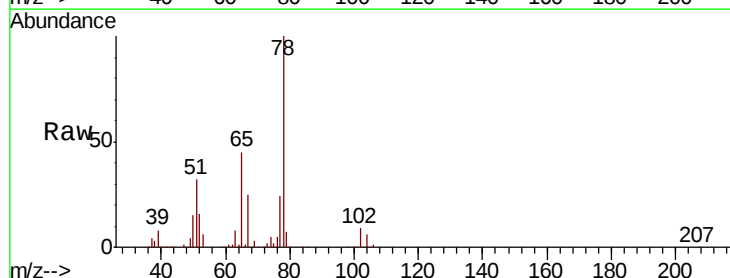
Manual Integrations  
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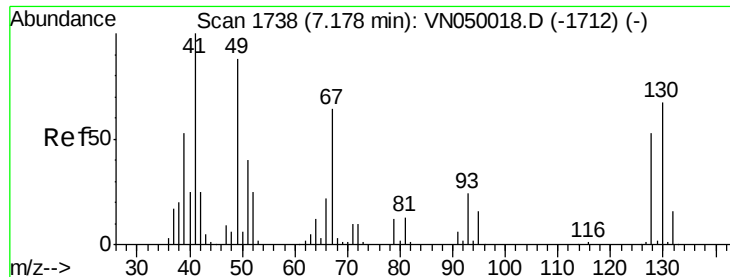
MMDadoda  
8/1/2018 11:14:14 AM



#40  
Benzene  
Concen: 19.429 ug/l  
RT: 8.04 min Scan# 2007  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.9  | 18.7  | 28.1  |





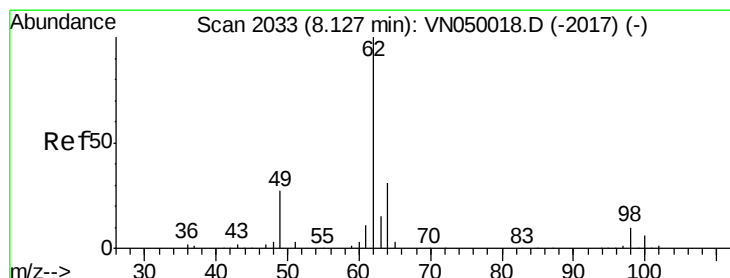
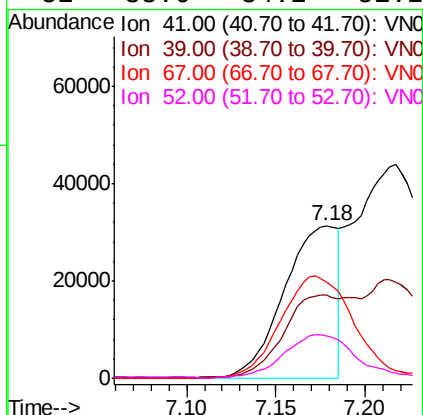
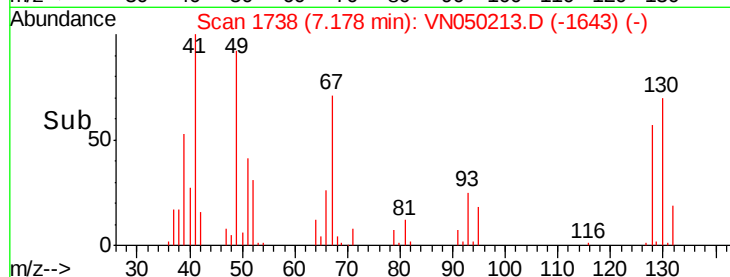
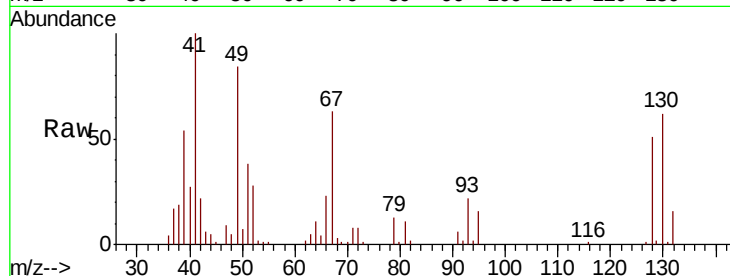
#41  
Methacrylonitrile  
Concen: 20.166 ug/l  
RT: 7.18 min Scan# 1738  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBSD02

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 54.4 | 55.8  | 83.6# |       |
| 67      | 92.8 | 84.3  | 126.5 |       |
| 52      | 38.6 | 34.2  | 51.2  |       |

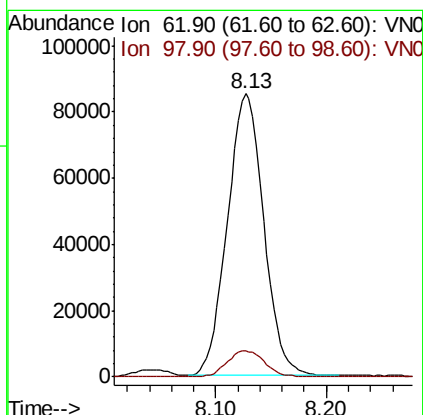
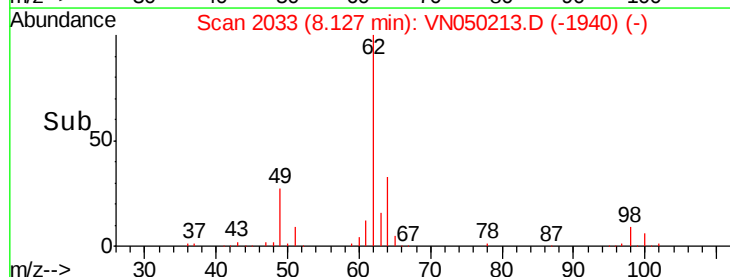
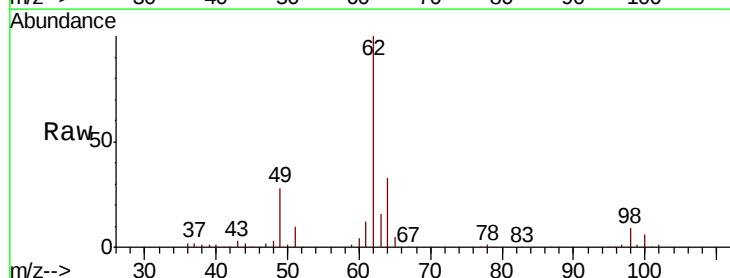
Manual Integrations  
APPROVED

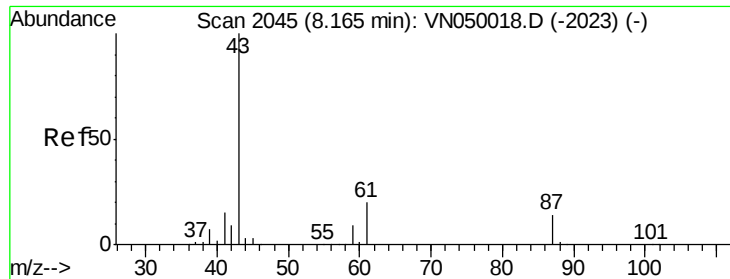
MMDadoda  
8/1/2018 11:14:14 AM



#42  
1,2-Dichloroethane  
Concen: 19.538 ug/l  
RT: 8.13 min Scan# 2033  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 9.6 | 0.0   | 18.8  |       |





#43

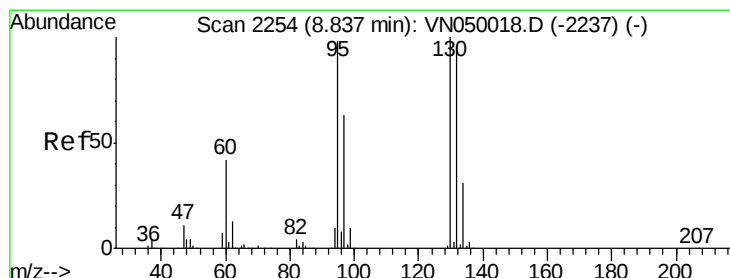
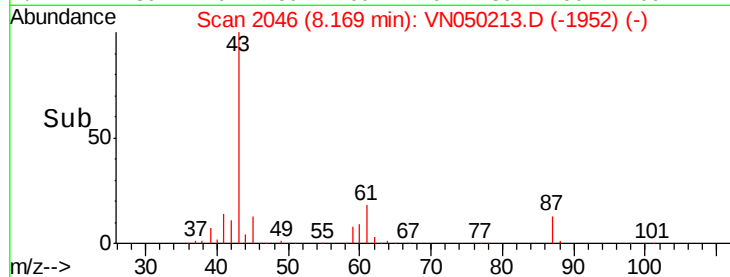
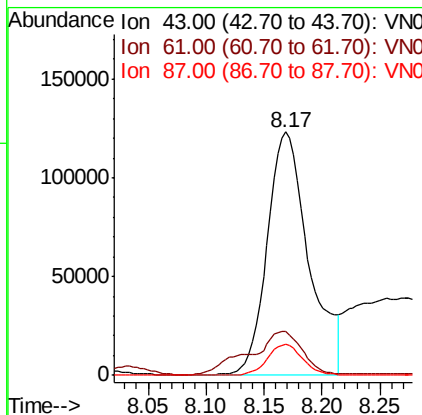
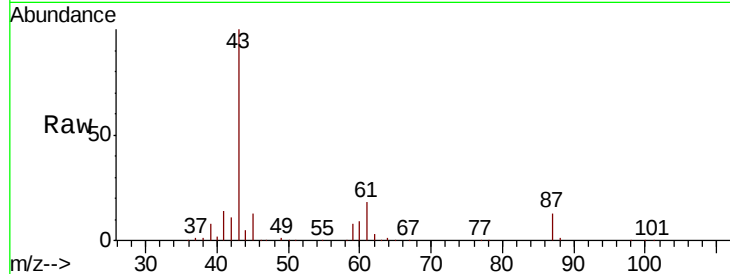
Isopropyl Acetate  
 Concen: 23.127 ug/l  
 RT: 8.17 min Scan# 2046  
 Delta R.T. 0.00 min  
 Lab File: VN050213.D  
 Acq: 31 Jul 2018 14:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0731WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.6  | 15.8  | 23.6# |
| 87      | 10.8  | 10.3  | 15.5  |

Manual Integrations  
 APPROVED

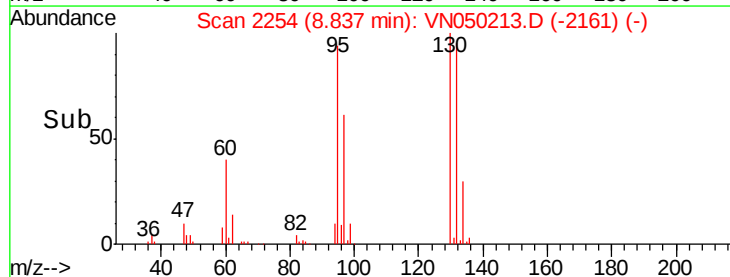
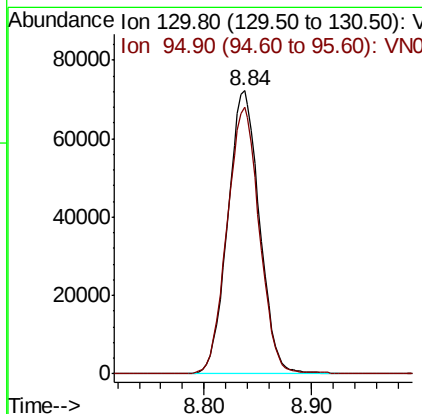
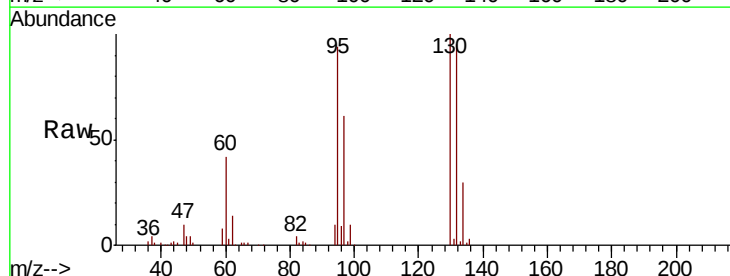
MMDadoda  
 8/1/2018 11:14:14 AM

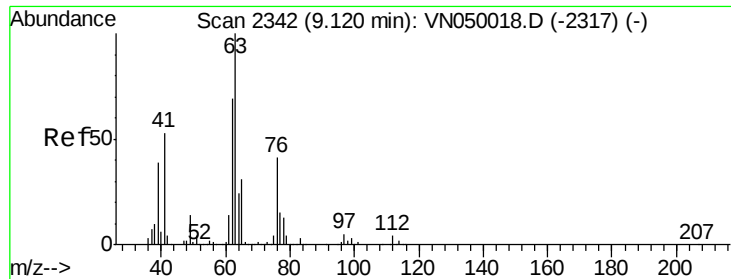


#44

Trichloroethene  
 Concen: 18.492 ug/l  
 RT: 8.84 min Scan# 2254  
 Delta R.T. 0.00 min  
 Lab File: VN050213.D  
 Acq: 31 Jul 2018 14:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 94.2  | 0.0   | 194.6 |





#45

1,2-Dichloropropane

Concen: 19.949 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA\_N

ClientSampleId :

VN0731WBSD02

Tot Ion: 63 Resp: 157644

Ion Ratio Lower Upper

63 100

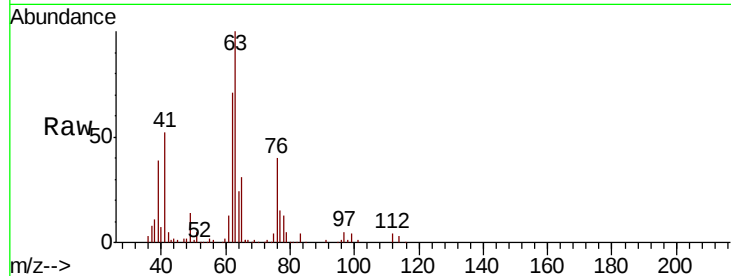
65 31.4 25.5 38.3

Manual Integrations

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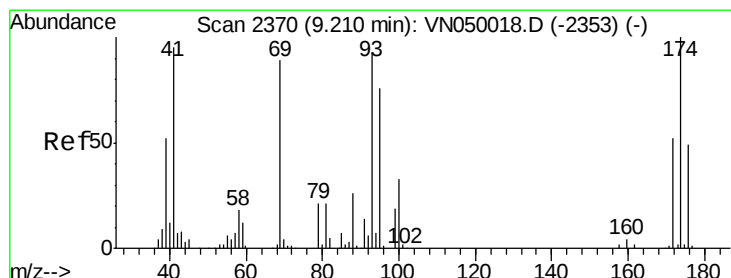
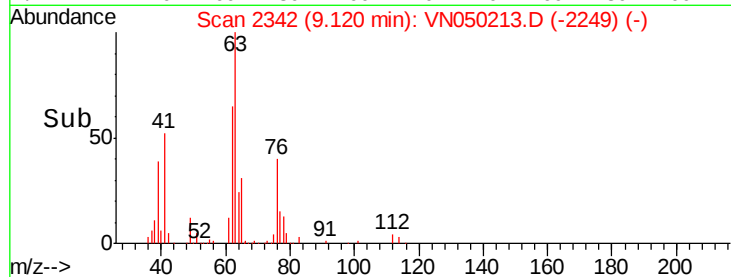
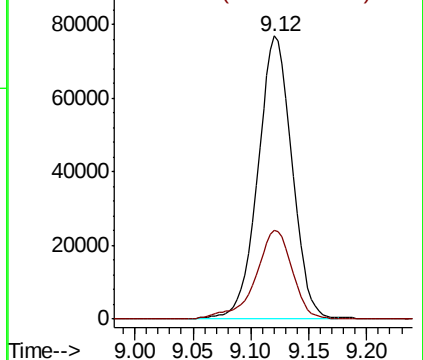
MMDadoda

8/1/2018 11:14:14 AM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 20.092 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

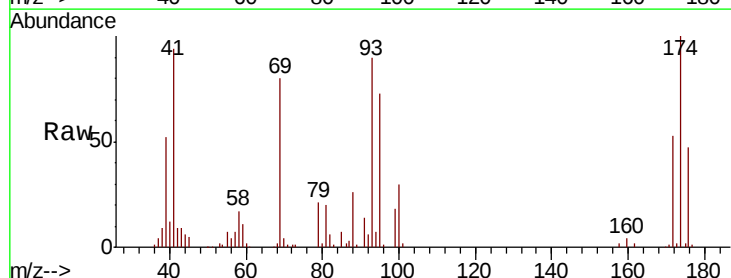
Tgt Ion: 93 Resp: 98586

Ion Ratio Lower Upper

93 100

95 83.4 66.6 100.0

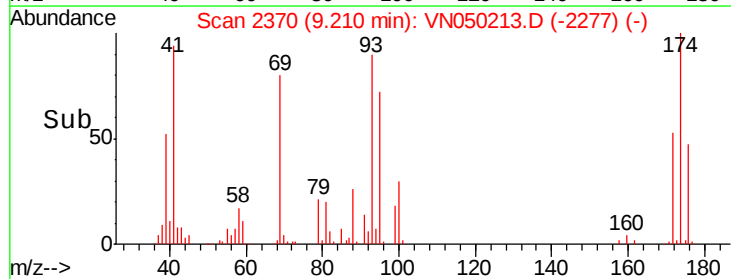
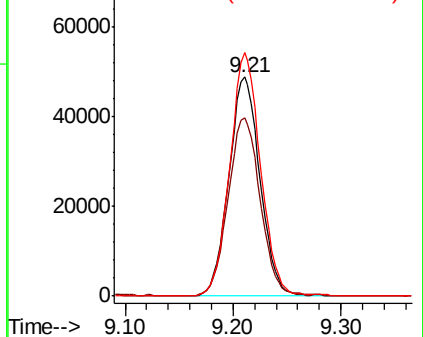
174 109.1 87.1 130.7

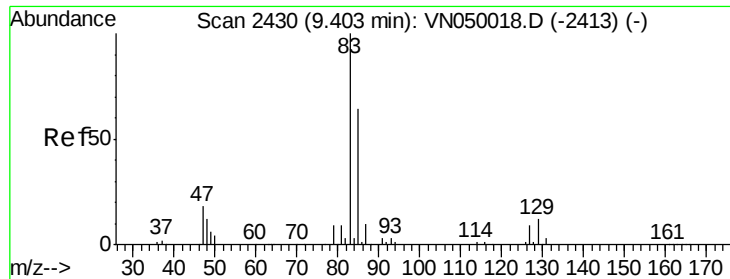


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





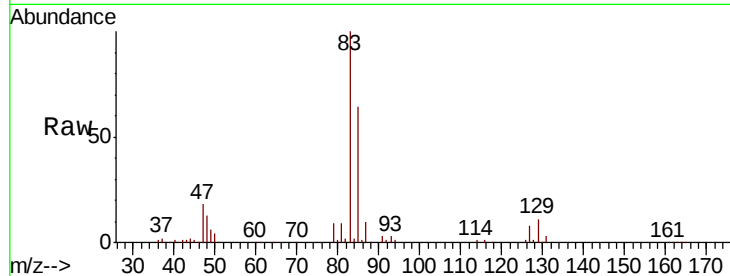
#47  
Bromodichloromethane  
Concen: 19.943 ug/l  
RT: 9.40 min Scan# 2430  
Delta R.T. -0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBSD02

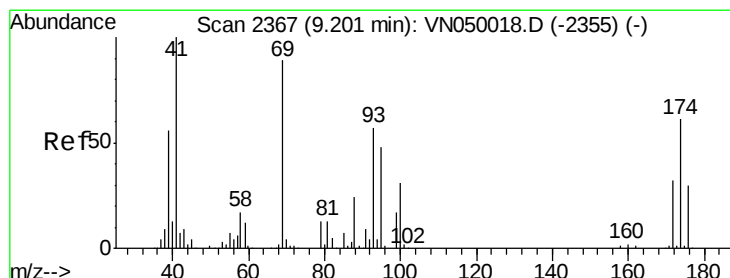
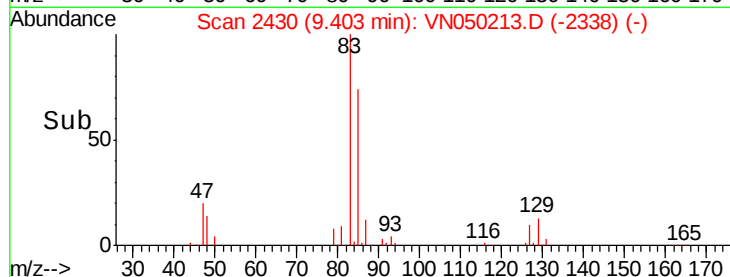
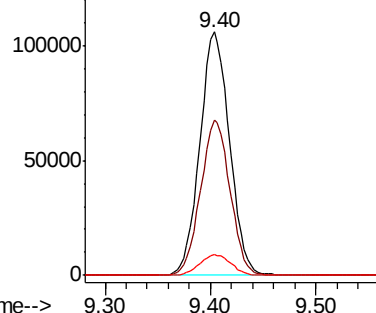
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.7  | 51.1  | 76.7  |
| 127     | 8.4   | 7.0   | 10.4  |

Manual Integrations  
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MMDadoda  
8/1/2018 11:14:14 AM

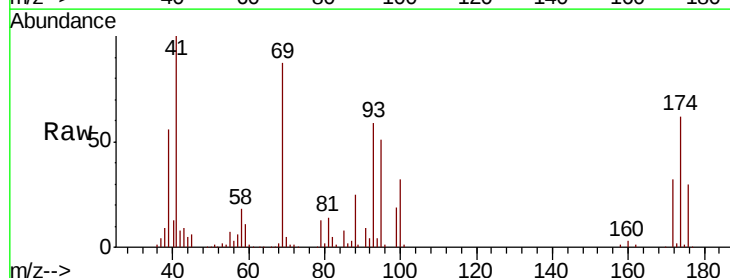


Abundance Ion 82.90 (82.60 to 83.60): VN050018.D (-2413) (-)

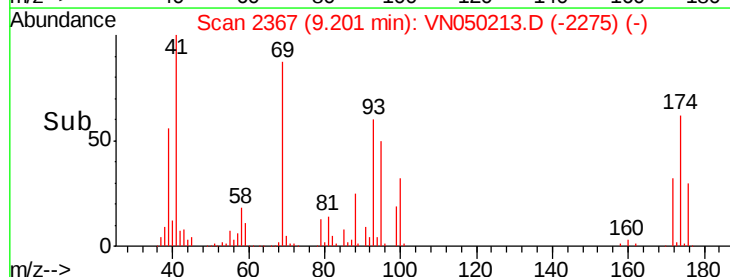
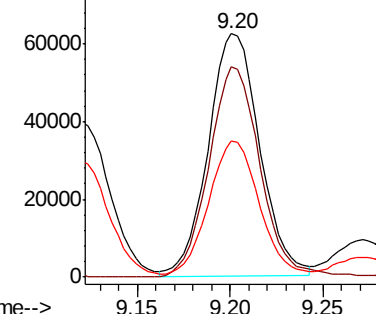


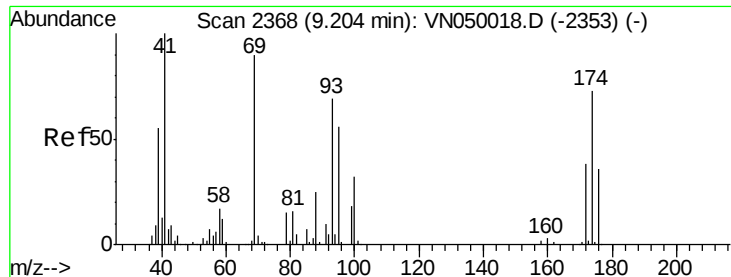
#48  
Methyl methacrylate  
Concen: 20.556 ug/l  
RT: 9.20 min Scan# 2367  
Delta R.T. -0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 87.1  | 70.6  | 105.8 |
| 39      | 55.2  | 43.9  | 65.9  |



Abundance Ion 41.00 (40.70 to 41.70): VN050018.D (-2355) (-)





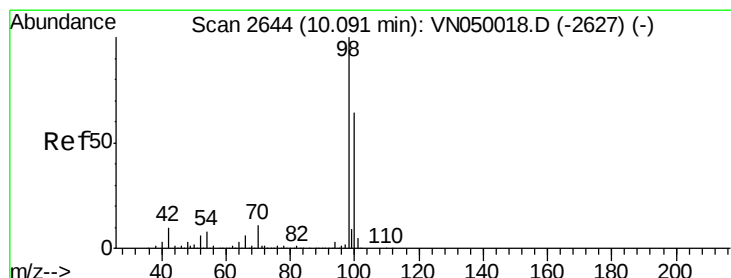
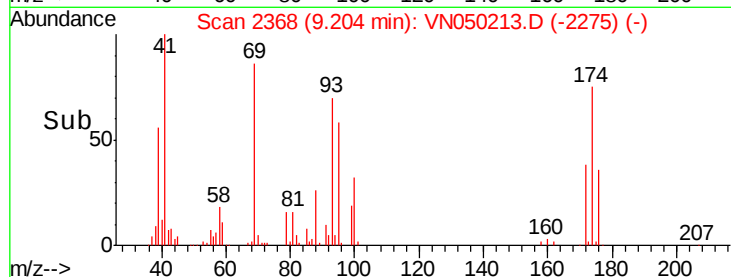
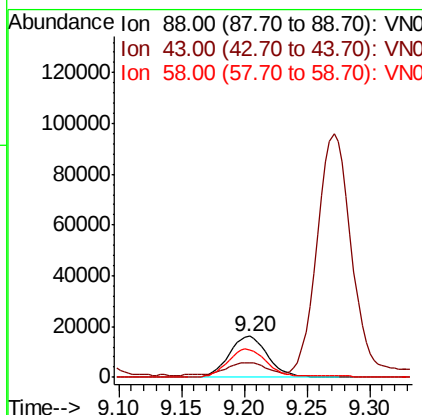
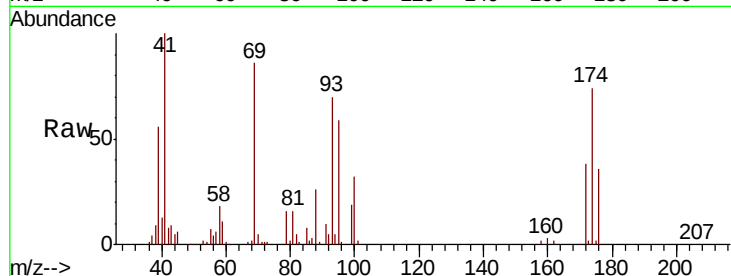
#49  
1,4-Dioxane  
Concen: 434.546 ug/l  
RT: 9.20 min Scan# 2368  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBSD02

| Tot Ion   | 88    | Resp  | 34815 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 32.9  | 26.9  | 40.3  |
| 58        | 69.4  | 57.3  | 85.9  |

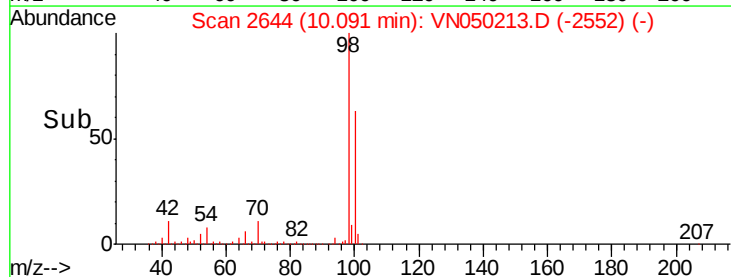
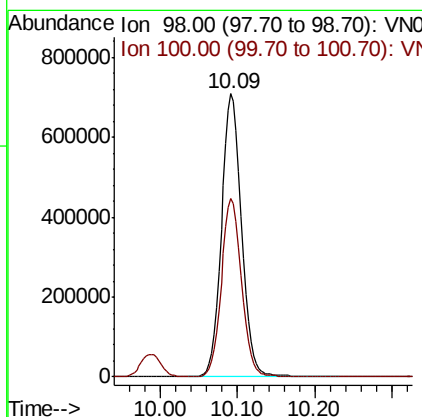
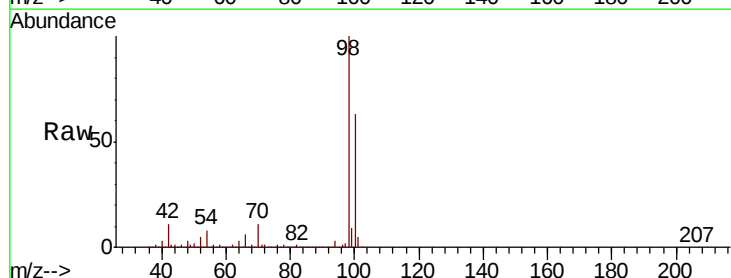
Manual Integrations  
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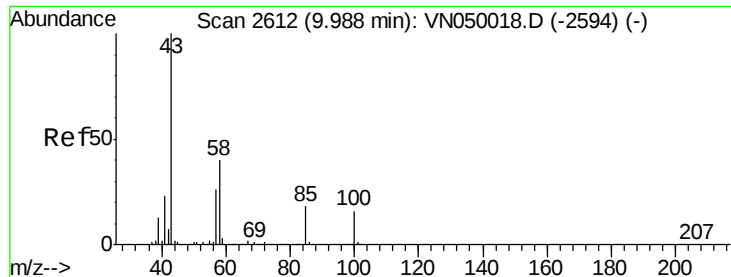
MMDadoda  
8/1/2018 11:14:14 AM



#50  
Toluene-d8  
Concen: 48.967 ug/l  
RT: 10.09 min Scan# 2644  
Delta R.T. -0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

| Tgt Ion   | 98    | Resp  | 1279124 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 98        | 100   |       |         |
| 100       | 63.7  | 50.7  | 76.1    |





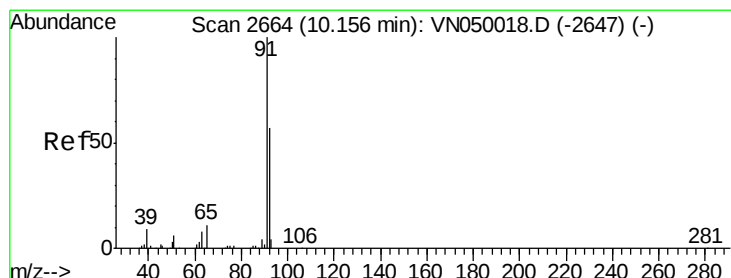
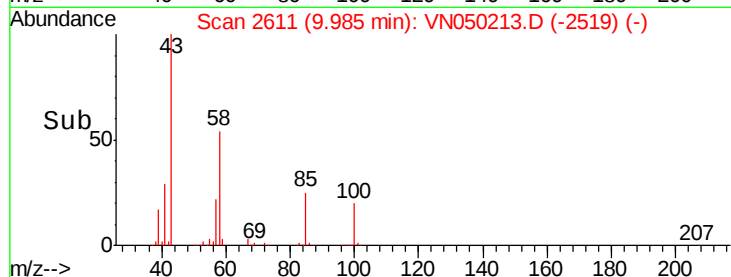
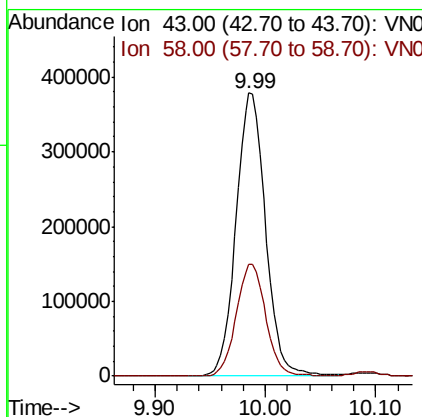
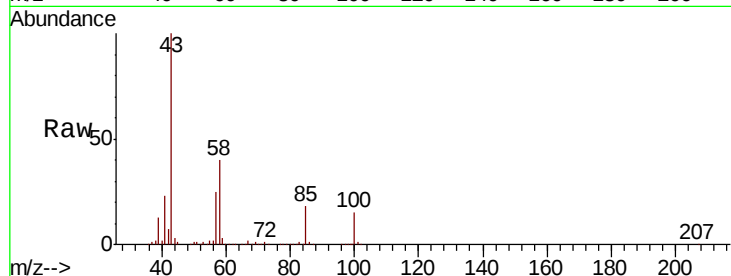
#51  
4-Methyl-2-Pentanone  
Concen: 103.923 ug/l  
RT: 9.99 min Scan# 2611  
Delta R.T. -0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 39.8  | 31.9  | 47.9  |

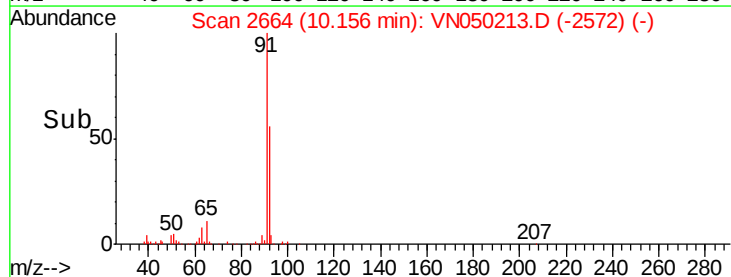
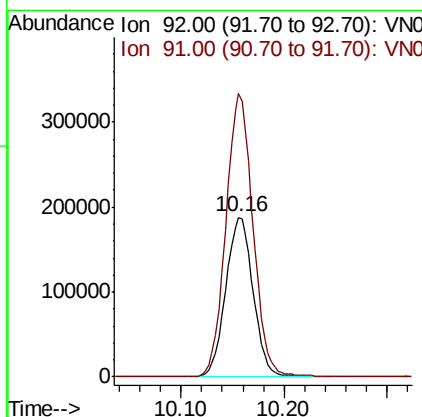
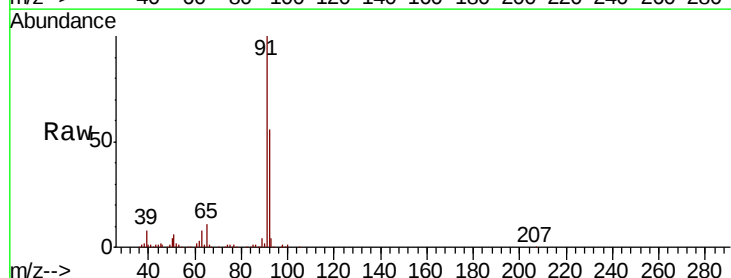
Manual Integrations  
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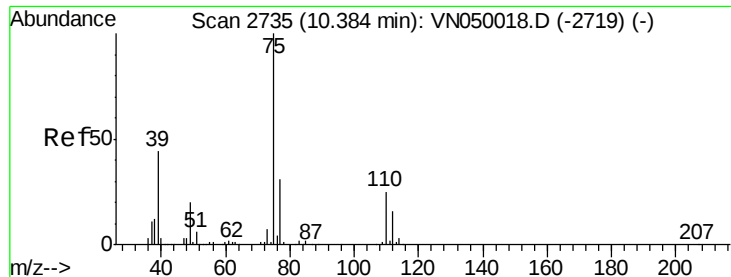
MMDadoda  
8/1/2018 11:14:14 AM



#52  
Toluene  
Concen: 19.748 ug/l  
RT: 10.16 min Scan# 2664  
Delta R.T. -0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 175.8 | 140.3 | 210.5 |





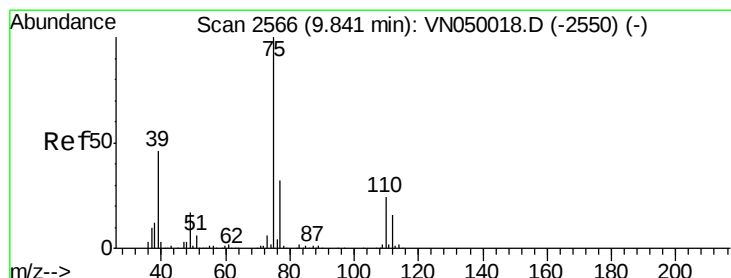
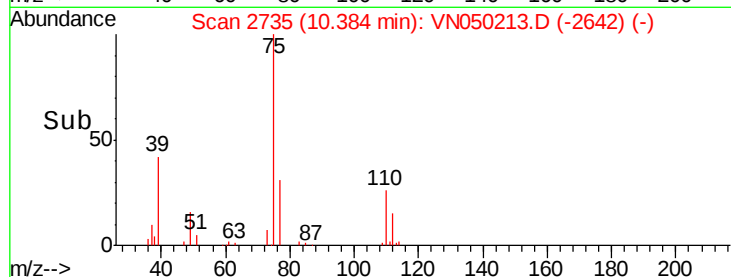
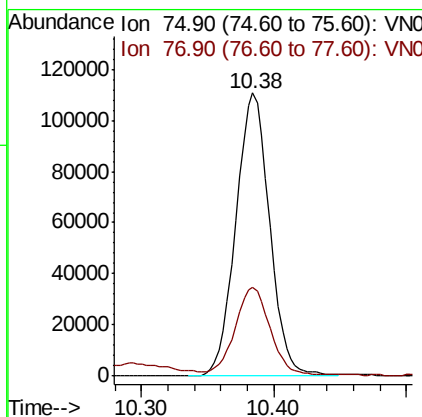
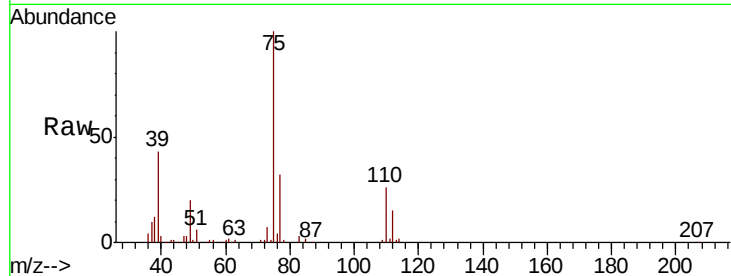
#53  
t-1,3-Dichloropropene  
Concen: 20.097 ug/l  
RT: 10.38 min Scan# 2735  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBSD02

| Tot Ion   | 75    | Resp  | 196389 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 31.0  | 24.9  | 37.3   |

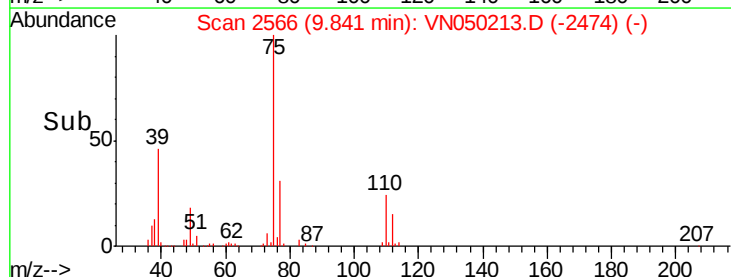
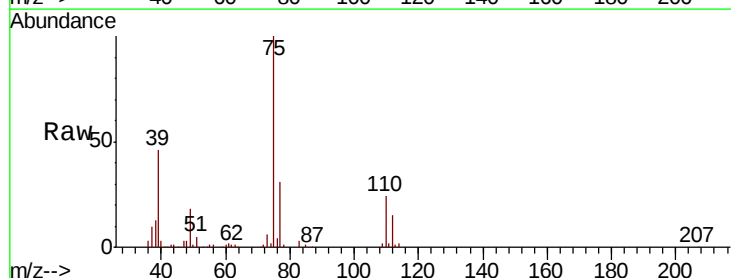
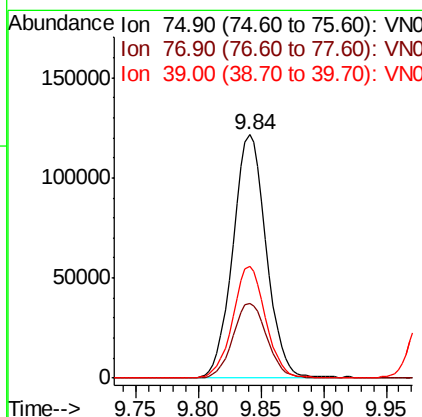
Manual Integrations  
APPROVED

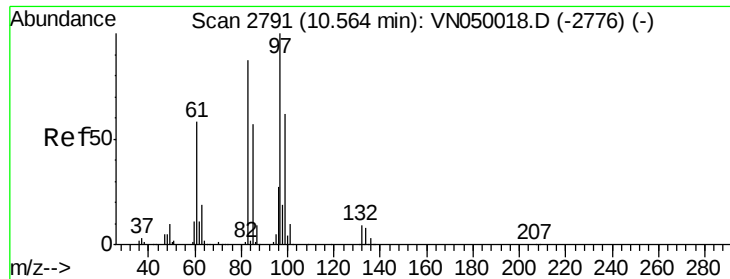
MMDadoda  
8/1/2018 11:14:14 AM



#54  
cis-1,3-Dichloropropene  
Concen: 20.142 ug/l  
RT: 9.84 min Scan# 2566  
Delta R.T. -0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

| Tgt Ion   | 75    | Resp  | 224950 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 30.9  | 25.5  | 38.3   |
| 39        | 46.1  | 36.6  | 55.0   |





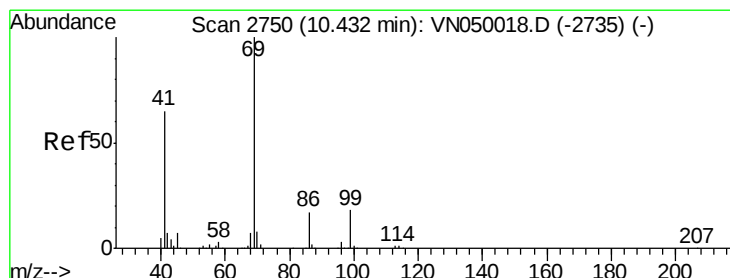
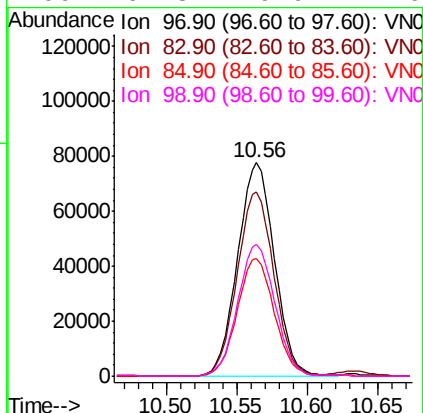
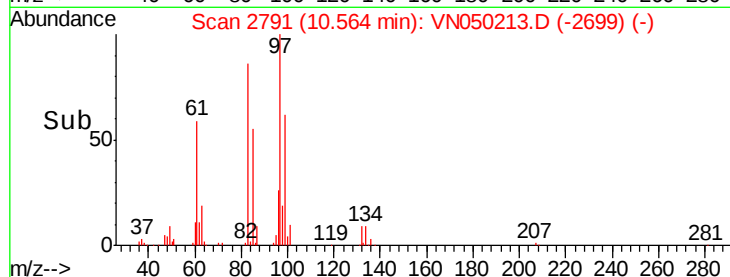
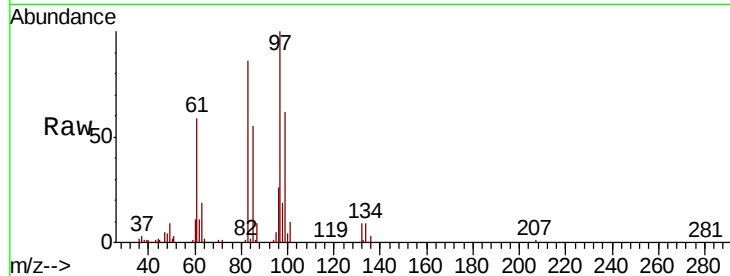
#55  
 1,1,2-Trichloroethane  
 Concen: 20.400 ug/l  
 RT: 10.56 min Scan# 2791  
 Delta R.T. -0.00 min  
 Lab File: VN050213.D  
 Acq: 31 Jul 2018 14:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0731WBSD02

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 142500 |       |       |
| 83      | 86.5 | 69.2  | 103.8  |       |       |
| 85      | 55.3 | 44.0  | 66.0   |       |       |
| 99      | 61.8 | 49.9  | 74.9   |       |       |

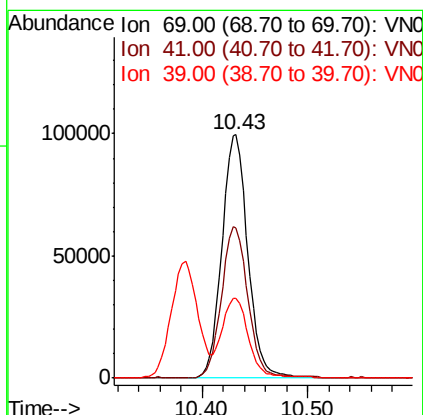
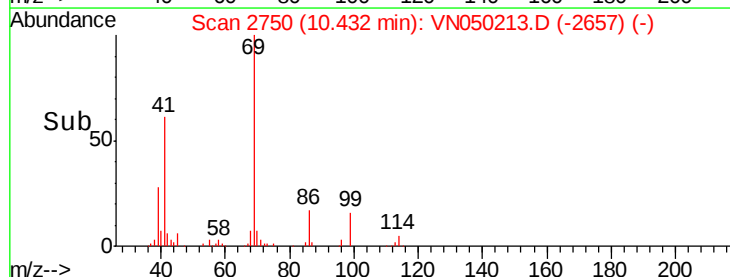
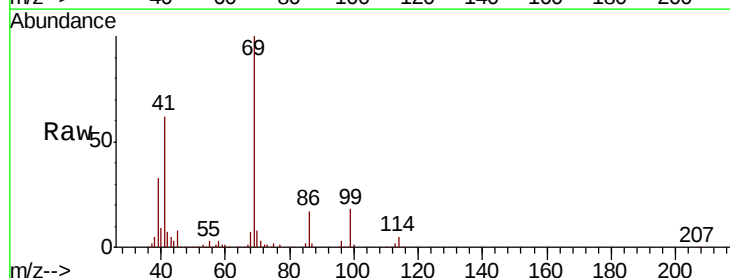
Manual Integrations  
 APPROVED

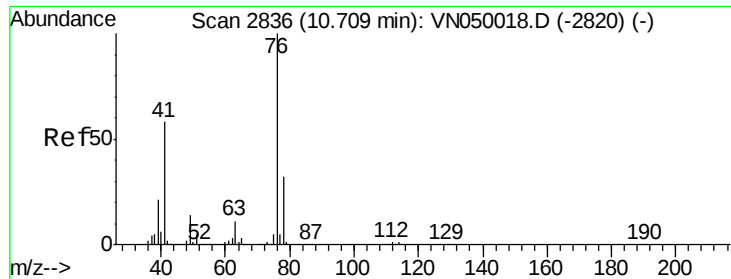
MMDadoda  
 8/1/2018 11:14:14 AM



#56  
 Ethyl methacrylate  
 Concen: 19.233 ug/l  
 RT: 10.43 min Scan# 2750  
 Delta R.T. 0.00 min  
 Lab File: VN050213.D  
 Acq: 31 Jul 2018 14:27

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 169670 |       |       |
| 41      | 62.9 | 51.0  | 76.4   |       |       |
| 39      | 32.8 | 26.6  | 40.0   |       |       |





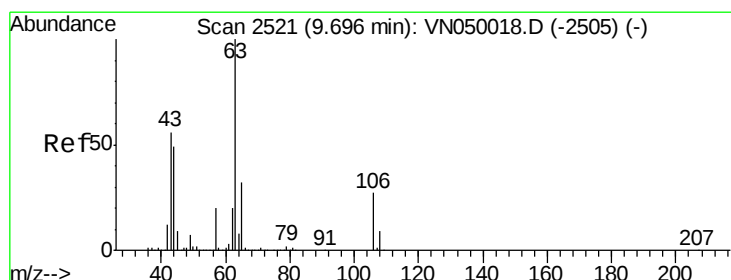
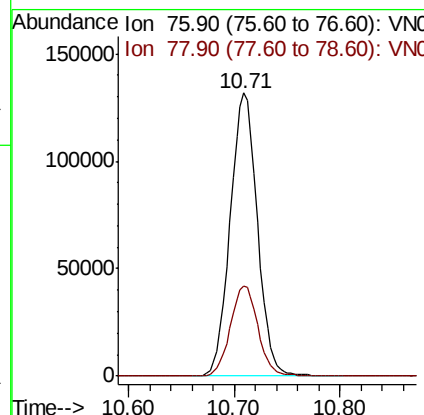
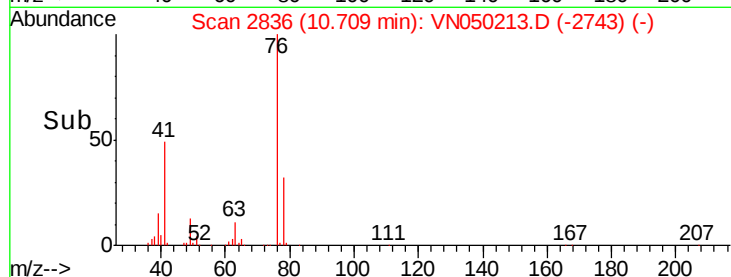
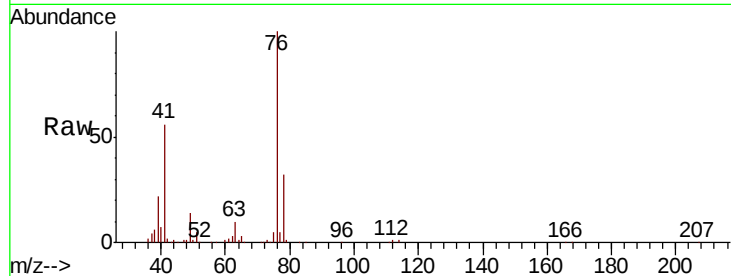
#57  
 1,3-Dichloropropane  
 Concen: 20.619 ug/l  
 RT: 10.71 min Scan# 2836  
 Delta R.T. 0.00 min  
 Lab File: VN050213.D  
 Acq: 31 Jul 2018 14:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0731WBSD02

Tot Ion: 76 Resp: 234543  
 Ion Ratio Lower Upper  
 76 100  
 78 32.4 25.7 38.5

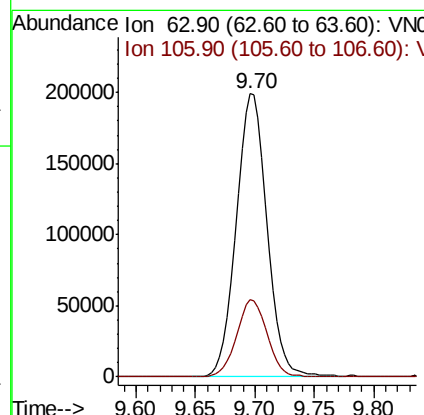
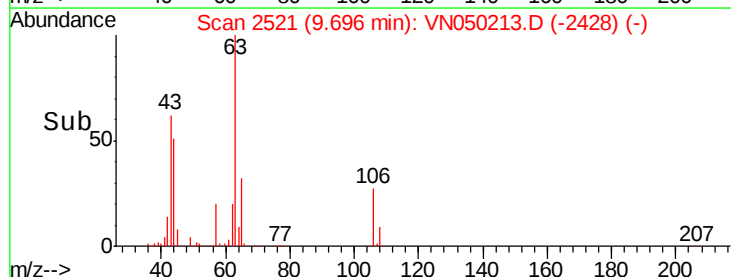
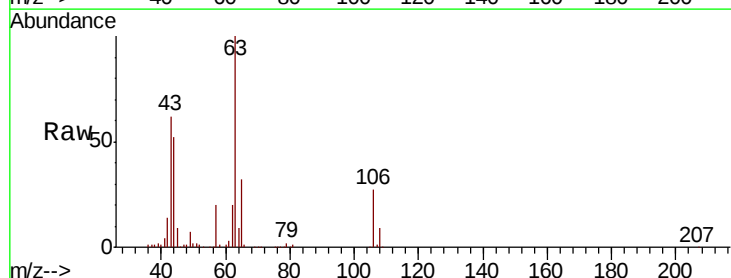
Manual Integrations  
 APPROVED

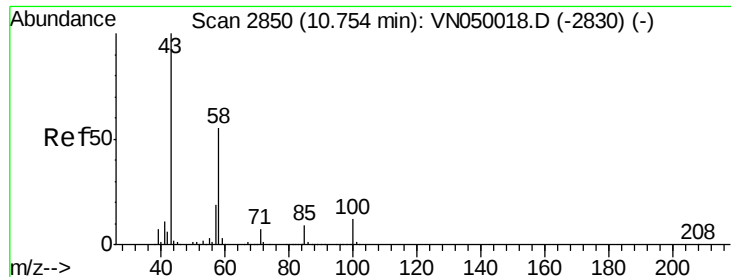
MMDadoda  
 8/1/2018 11:14:14 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 86.664 ug/l  
 RT: 9.70 min Scan# 2521  
 Delta R.T. -0.00 min  
 Lab File: VN050213.D  
 Acq: 31 Jul 2018 14:27

Tgt Ion: 63 Resp: 357637  
 Ion Ratio Lower Upper  
 63 100  
 106 27.0 21.7 32.5





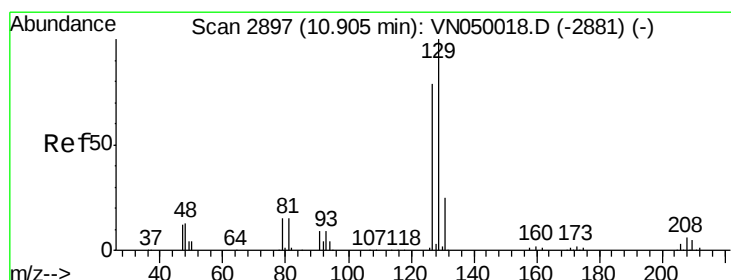
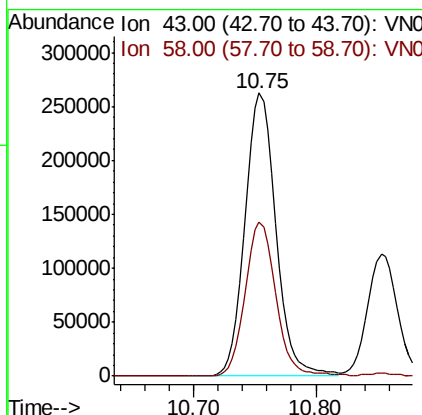
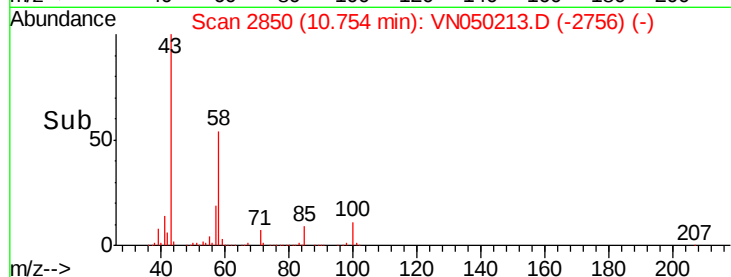
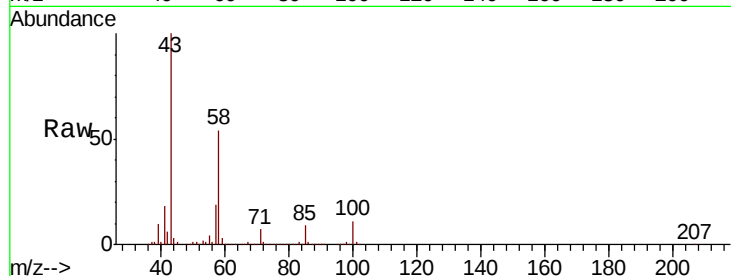
#59  
2-Hexanone  
Concen: 95.483 ug/l  
RT: 10.75 min Scan# 2850  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBSD02

Tot Ion: 43 Resp: 455361  
Ion Ratio Lower Upper  
43 100  
58 54.3 27.6 82.7

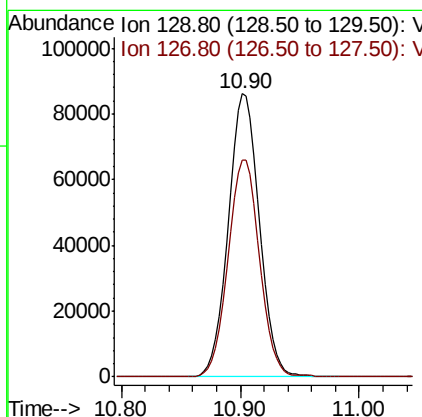
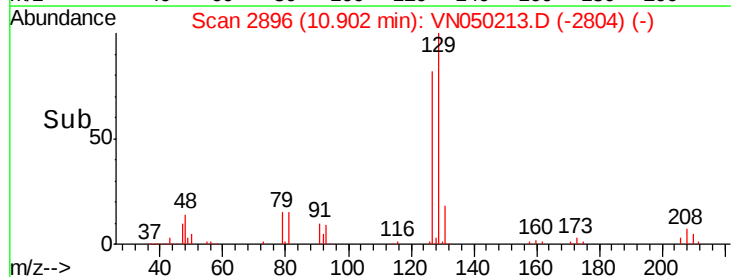
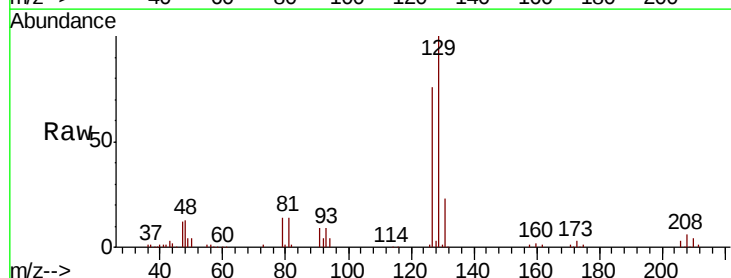
Manual Integrations  
APPROVED

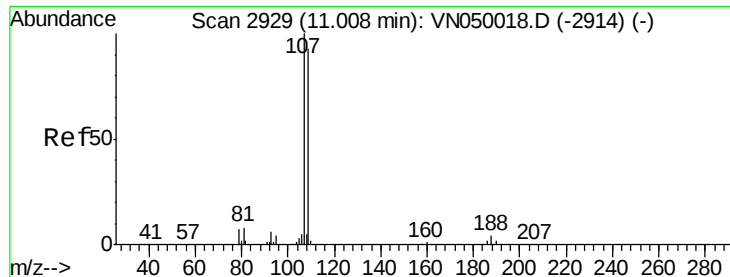
MMDadoda  
8/1/2018 11:14:14 AM



#60  
Dibromochloromethane  
Concen: 20.162 ug/l  
RT: 10.90 min Scan# 2896  
Delta R.T. -0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Tgt Ion: 129 Resp: 155933  
Ion Ratio Lower Upper  
129 100  
127 77.6 38.0 113.9





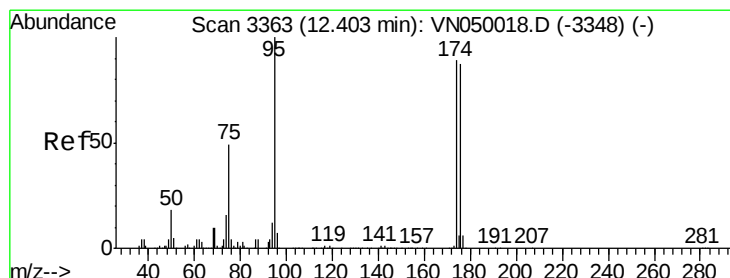
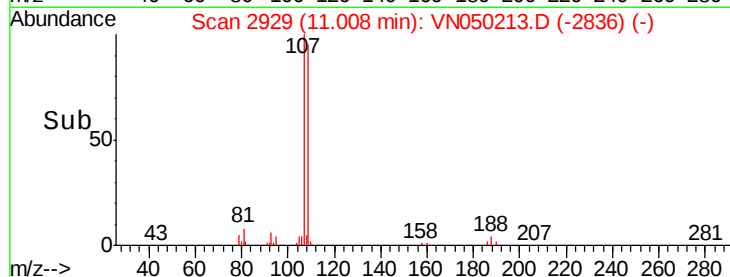
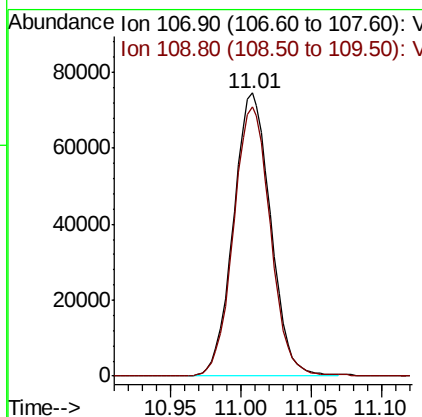
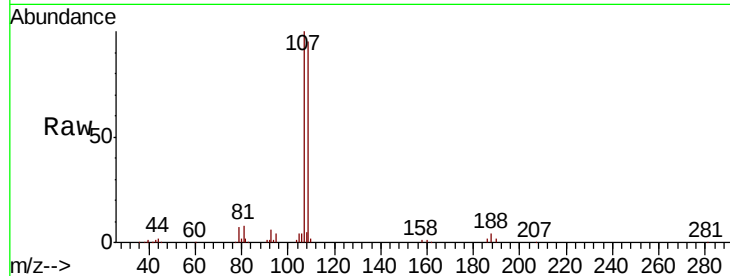
#61  
 1,2-Dibromoethane  
 Concen: 19.857 ug/l  
 RT: 11.01 min Scan# 2929  
 Delta R.T. 0.00 min  
 Lab File: VN050213.D  
 Acq: 31 Jul 2018 14:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0731WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.5  | 74.6  | 112.0 |

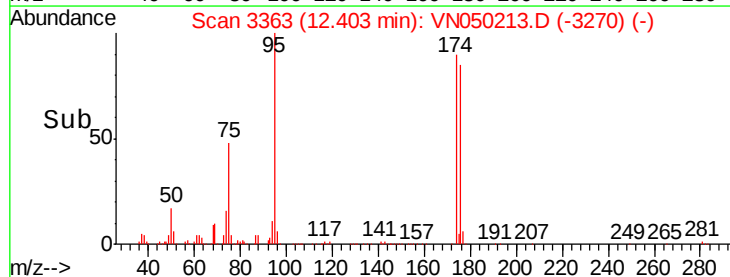
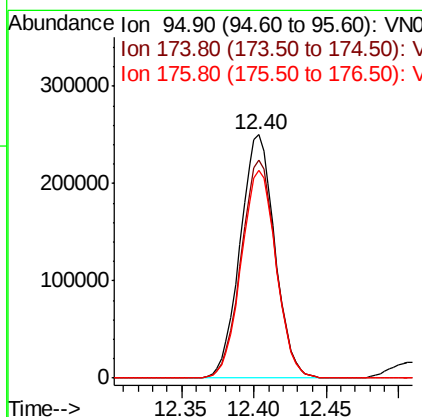
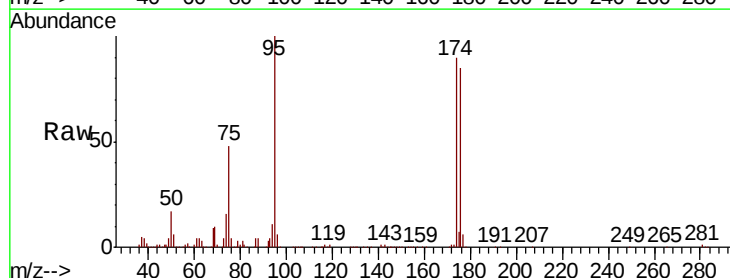
Manual Integrations  
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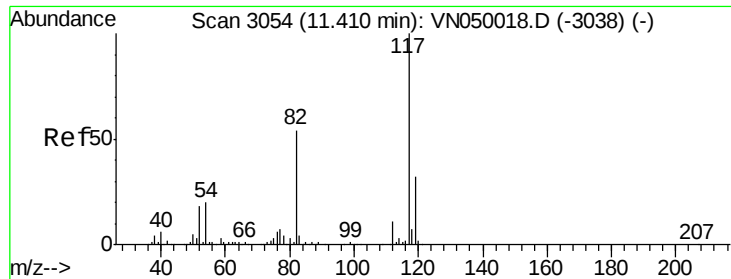
MMDadoda  
 8/1/2018 11:14:14 AM



#62  
 4-Bromofluorobenzene  
 Concen: 48.481 ug/l  
 RT: 12.40 min Scan# 3363  
 Delta R.T. 0.00 min  
 Lab File: VN050213.D  
 Acq: 31 Jul 2018 14:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 89.7  | 0.0   | 178.2 |
| 176     | 86.0  | 0.0   | 173.4 |





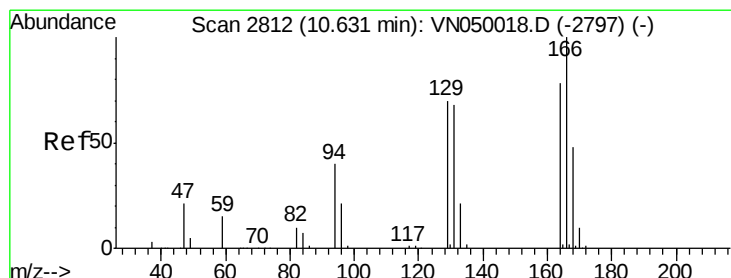
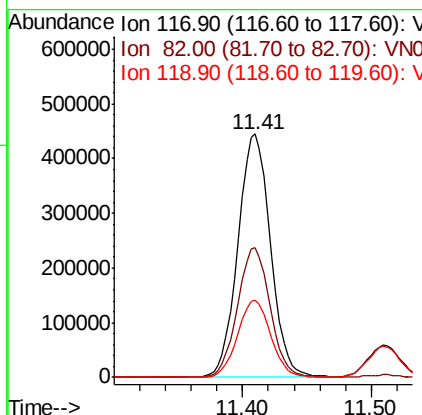
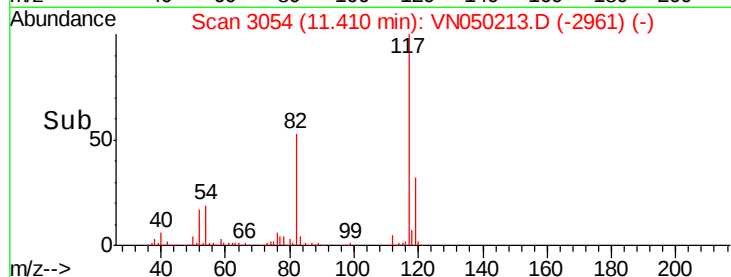
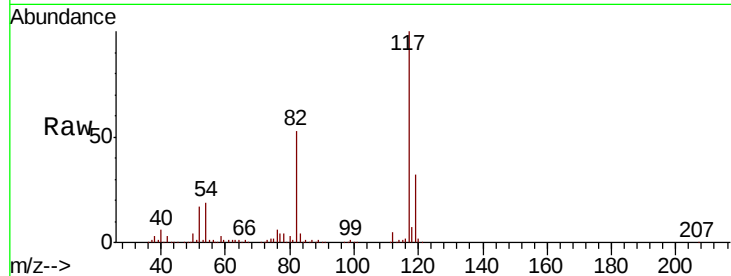
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.1  | 43.7  | 65.5  |
| 119     | 31.9  | 26.1  | 39.1  |

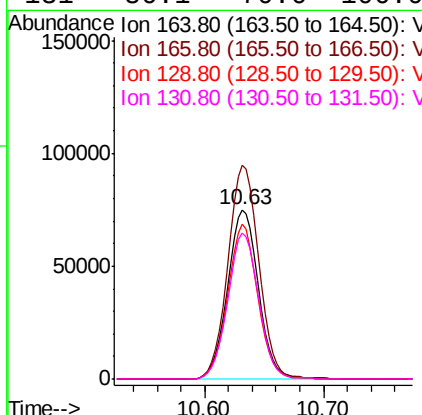
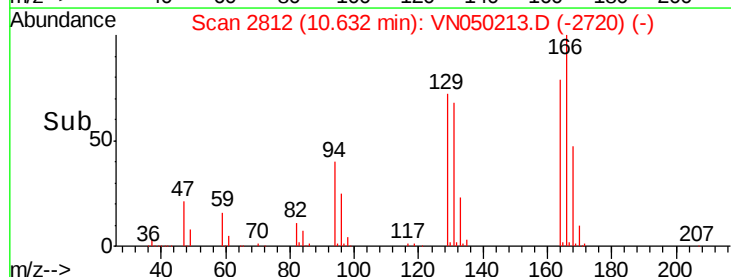
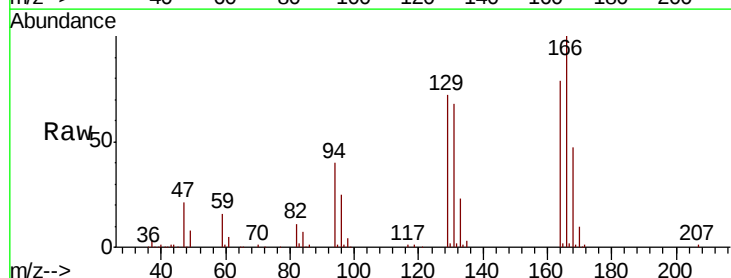
Manual Integrations  
APPROVED

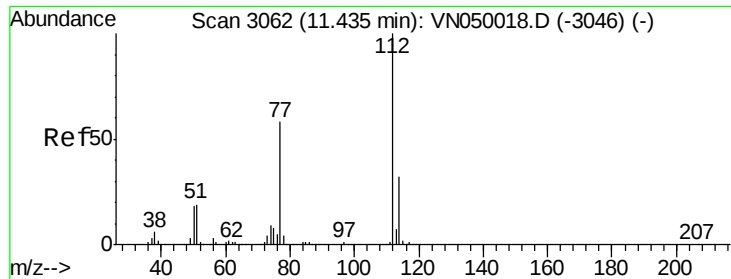
MMDadoda  
8/1/2018 11:14:14 AM



#64  
Tetrachloroethene  
Concen: 17.899 ug/l  
RT: 10.63 min Scan# 2812  
Delta R.T. -0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.0 | 102.1 | 153.1 |
| 129     | 91.3  | 73.2  | 109.8 |
| 131     | 86.1  | 70.6  | 106.0 |





#65

Chlorobenzene

Concen: 19.317 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA\_N

ClientSampled :

VN0731WBSD02

Tot Ion:112 Resp: 381783

Ion Ratio Lower Upper

112 100

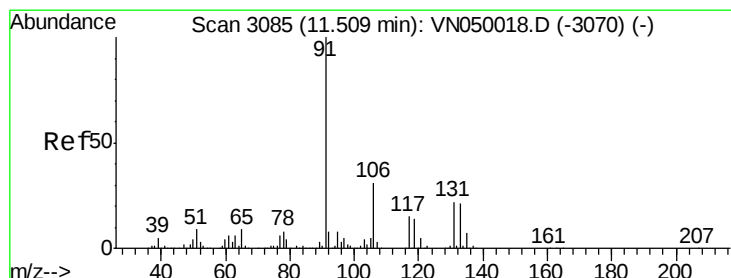
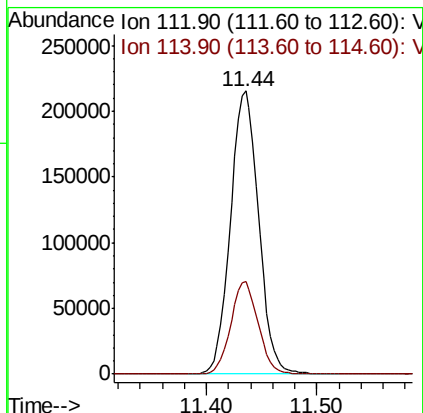
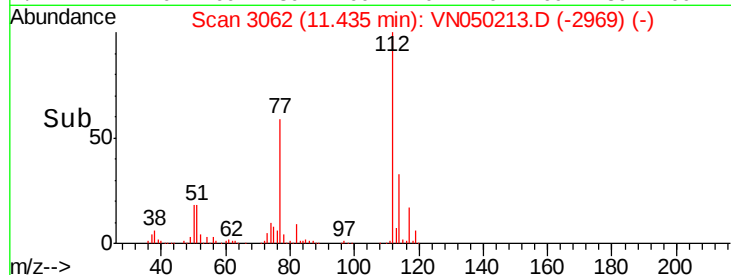
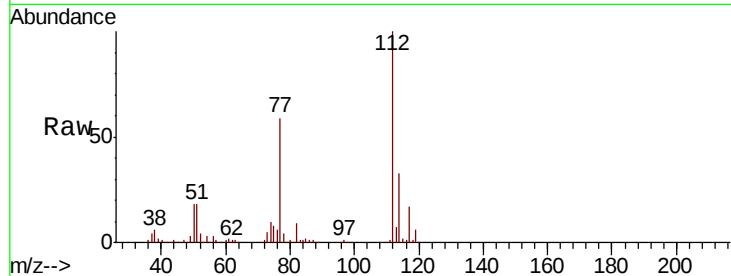
114 32.5 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

8/1/2018 11:14:14 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.809 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

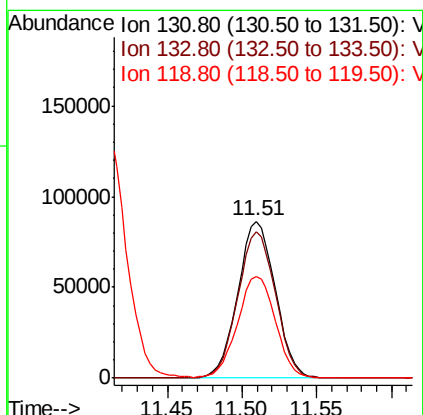
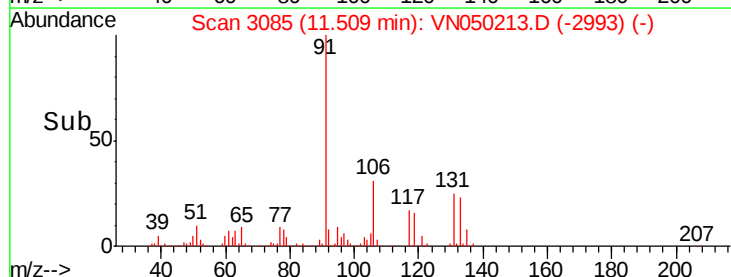
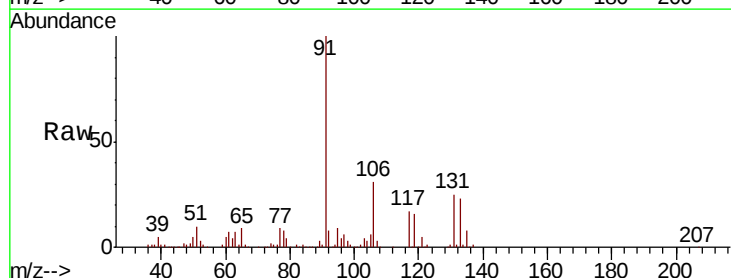
Tgt Ion:131 Resp: 150428

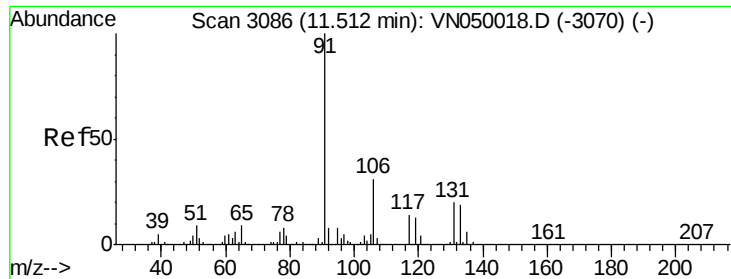
Ion Ratio Lower Upper

131 100

133 94.4 47.3 141.9

119 66.0 32.9 98.7





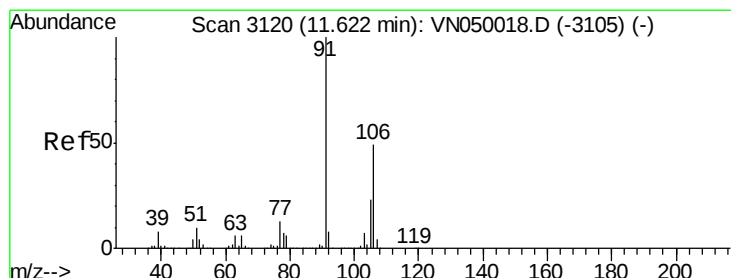
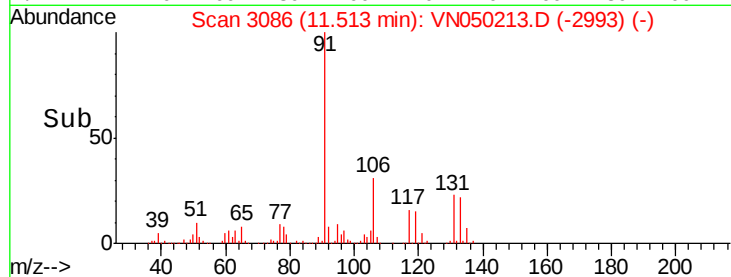
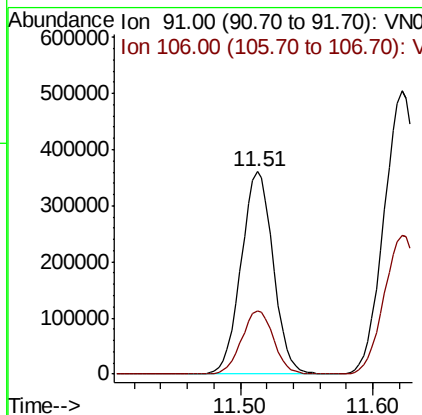
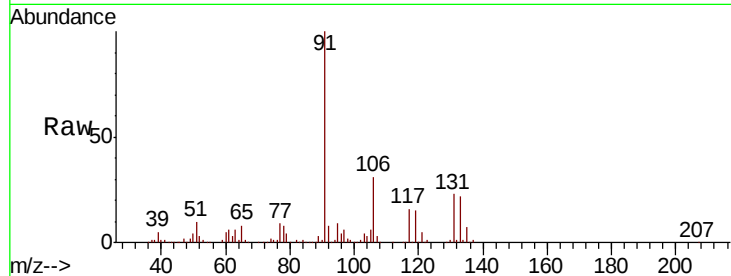
#67  
Ethyl Benzene  
Concen: 19.005 ug/l  
RT: 11.51 min Scan# 3086  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBSD02

Tot Ion: 91 Resp: 603373  
Ion Ratio Lower Upper  
91 100  
106 31.4 25.0 37.4

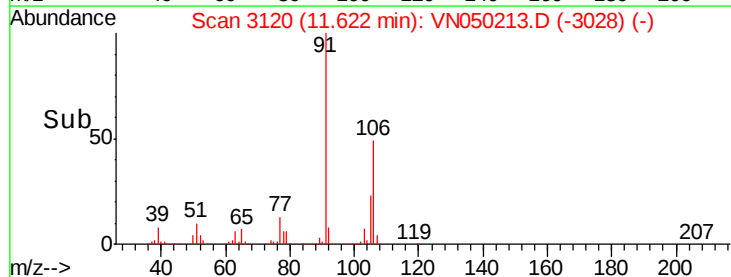
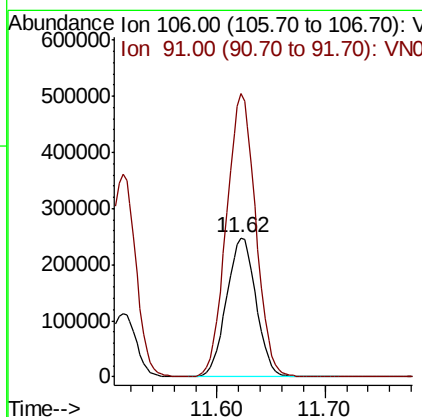
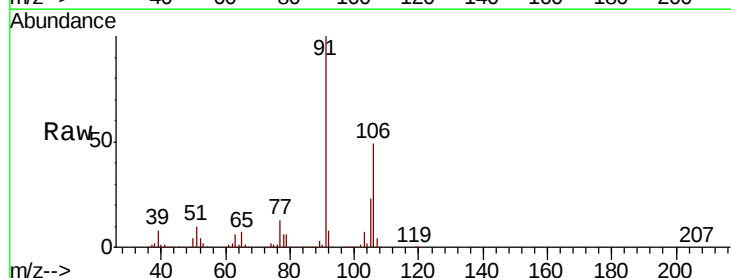
Manual Integrations  
APPROVED

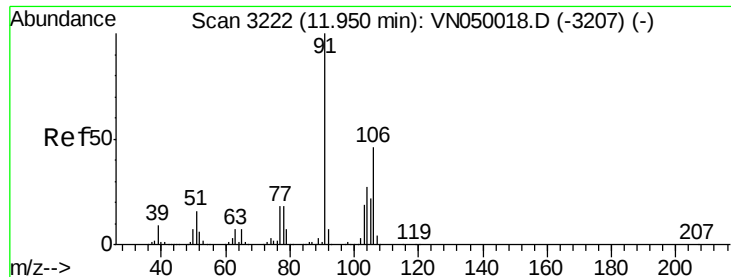
MMDadoda  
8/1/2018 11:14:14 AM



#68  
m/p-Xylenes  
Concen: 39.372 ug/l  
RT: 11.62 min Scan# 3120  
Delta R.T. -0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Tgt Ion: 106 Resp: 472788  
Ion Ratio Lower Upper  
106 100  
91 201.4 162.2 243.2





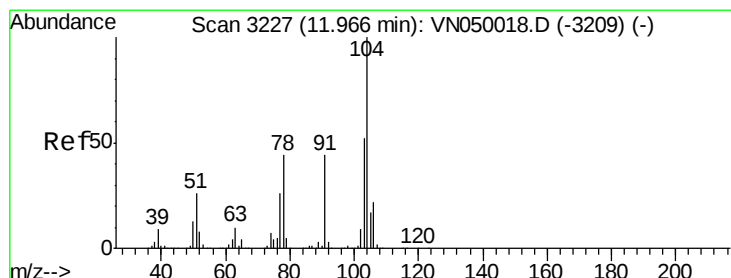
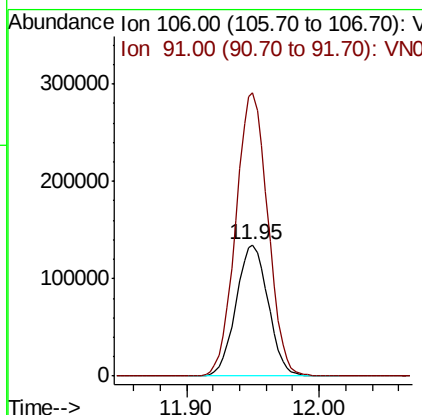
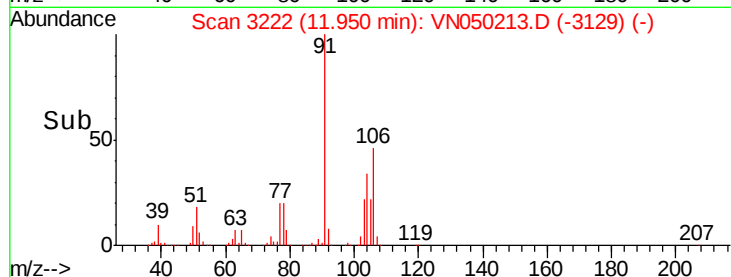
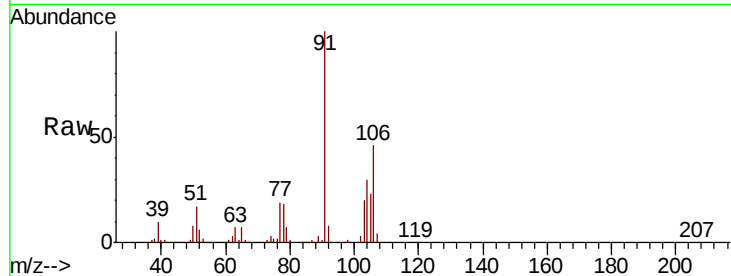
#69  
o-Xylene  
Concen: 19.824 ug/l  
RT: 11.95 min Scan# 3222  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBSD02

Tot Ion:106 Resp: 226929  
Ion Ratio Lower Upper  
106 100  
91 215.6 107.7 323.1

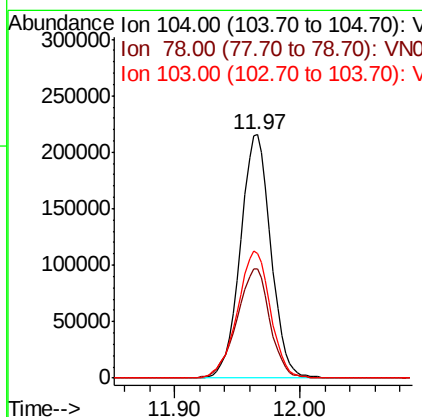
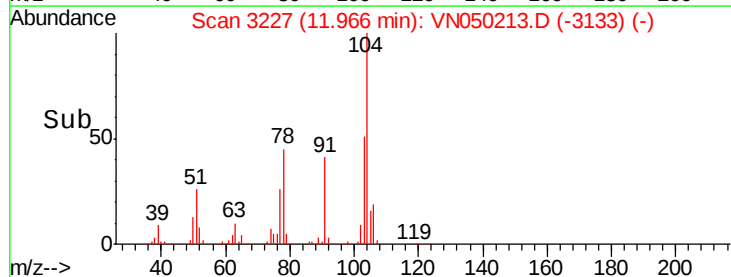
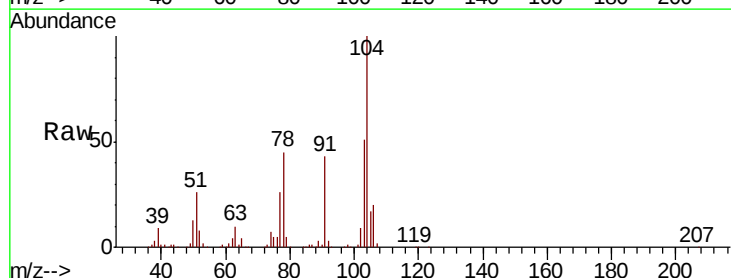
Manual Integrations  
APPROVED

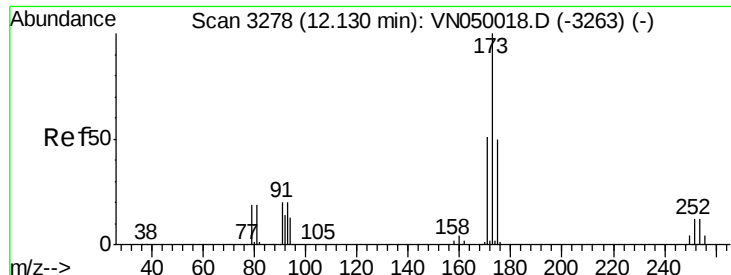
MMDadoda  
8/1/2018 11:14:14 AM



#70  
Styrene  
Concen: 18.487 ug/l  
RT: 11.97 min Scan# 3227  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Tgt Ion:104 Resp: 364310  
Ion Ratio Lower Upper  
104 100  
78 48.9 39.3 58.9  
103 56.5 45.0 67.6





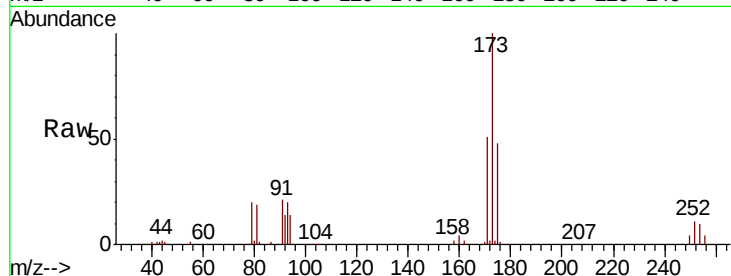
#71  
Bromoform  
Concen: 19.728 ug/l  
RT: 12.13 min Scan# 3277  
Delta R.T. -0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.5  | 24.1  | 72.2  |
| 254     | 0.0   | 0.2   | 0.2   |

Manual Integrations  
APPROVED

MMDadoda  
8/1/2018 11:14:14 AM

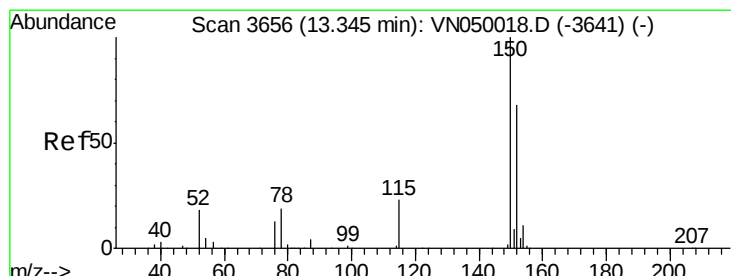
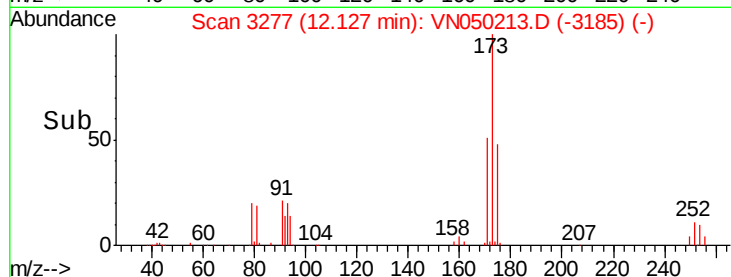
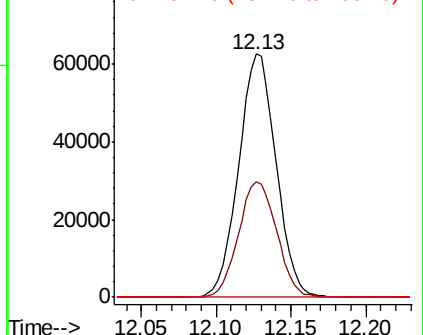


Abundance

Ion 172.70 (172.40 to 173.40): V

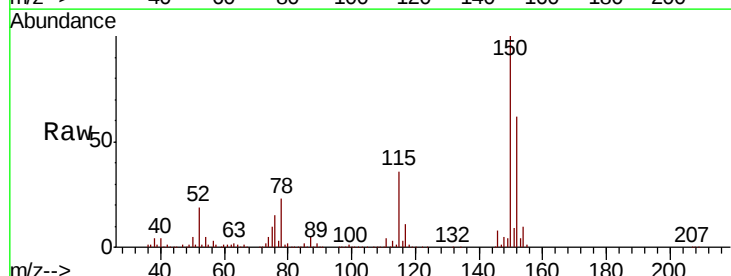
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3656  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.0  | 27.8  | 83.3  |
| 150     | 164.7 | 0.0   | 348.6 |

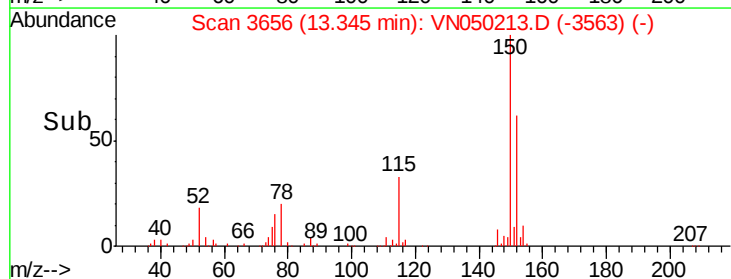
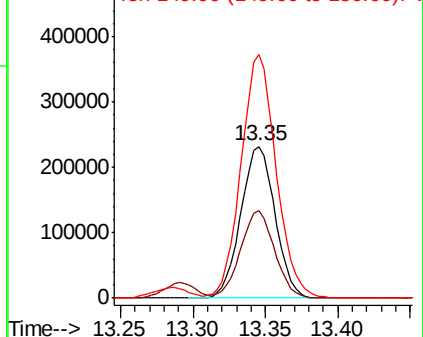


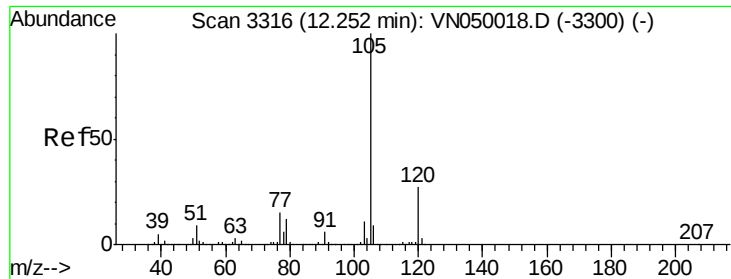
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.085 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA\_N

ClientSampleId :

VN0731WBSD02

Tot Ion: 105 Resp: 593120

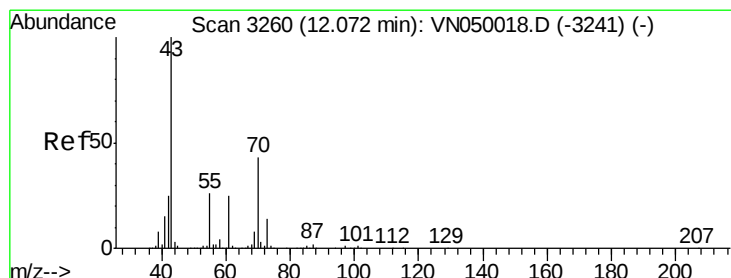
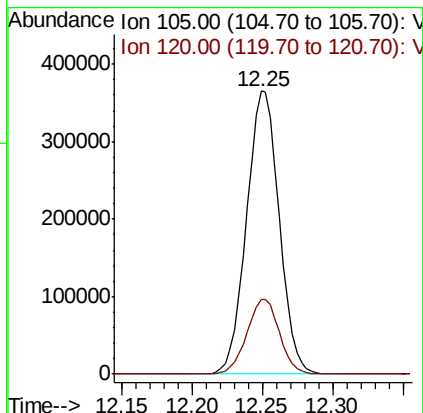
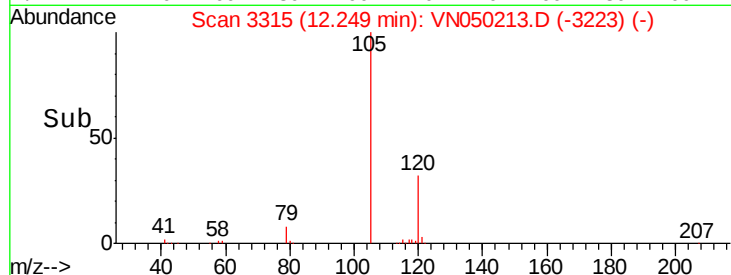
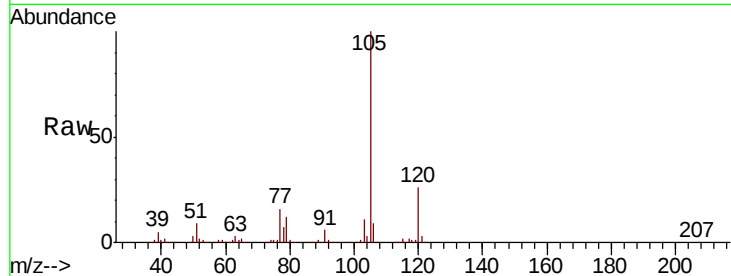
Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8

Manual Integrations  
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#74

N-ethyl acetate

Concen: 19.989 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Tgt Ion: 43 Resp: 180407

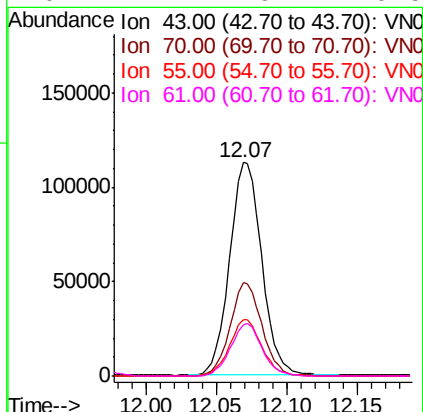
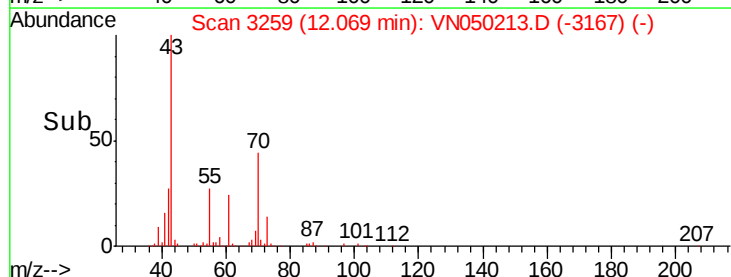
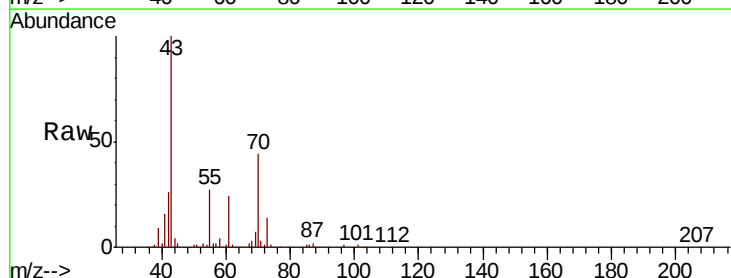
Ion Ratio Lower Upper

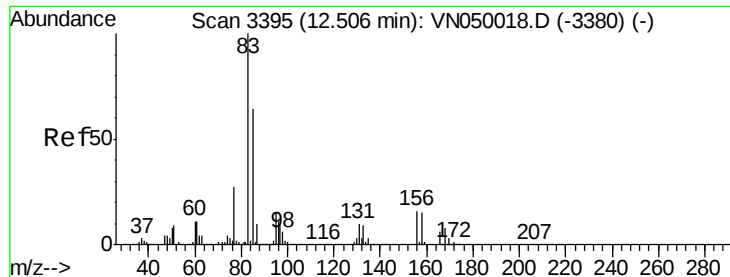
43 100

70 43.4 34.4 51.6

55 26.5 20.8 31.2

61 24.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.987 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA\_N

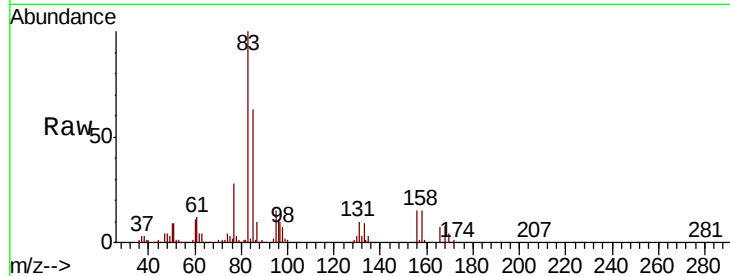
ClientSampleId :

VN0731WBSD02

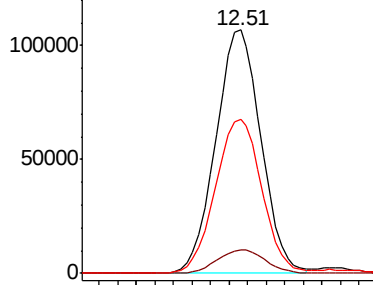
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 181230 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.3  | 5.1   | 15.3   |
| 85        | 65.2  | 32.3  | 96.8   |

Manual Integrations  
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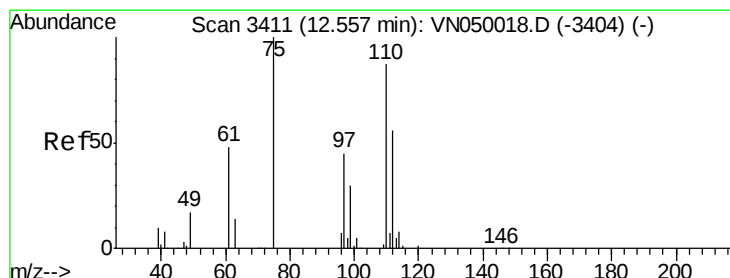
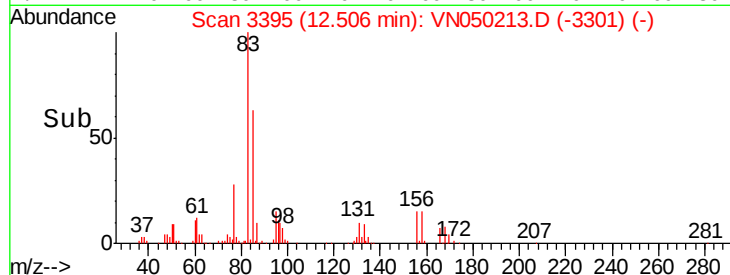
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8/1/2018 11:14:14 AM



Abundance Ion 82.90 (82.60 to 83.60): VN050213.D (-3301) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 21.671 ug/l m

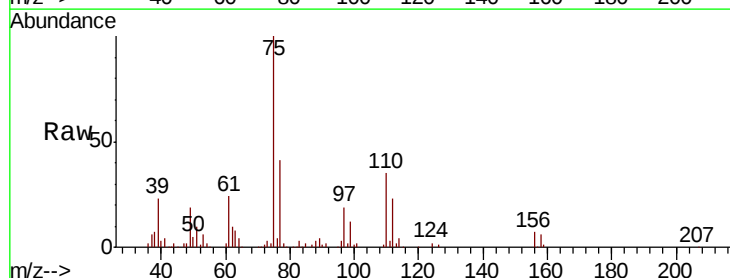
RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

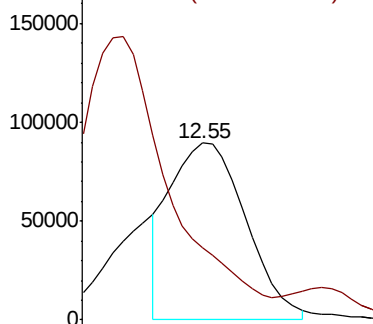
Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

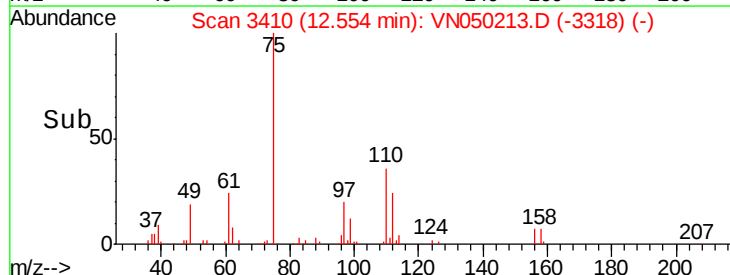
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 153344 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |

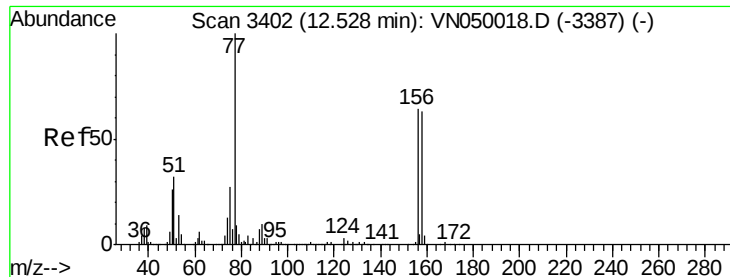


Abundance Ion 74.90 (74.60 to 75.60): VN050213.D (-3318) (-)



Time-->





#77

Bromobenzene

Concen: 19.760 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA\_N

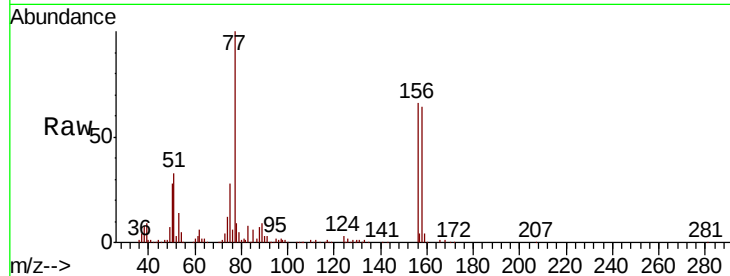
ClientSampleId :

VN0731WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 161722 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 186.4 | 91.7  | 275.1  |
| 158       | 97.6  | 48.9  | 146.6  |

Manual Integrations  
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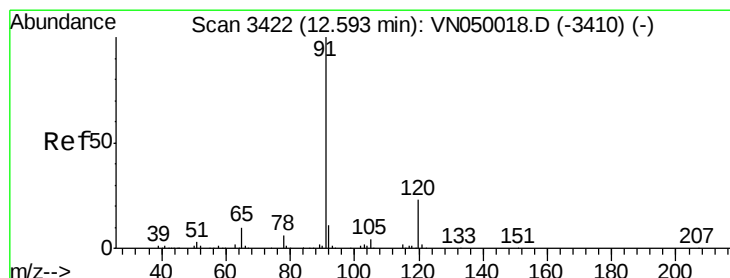
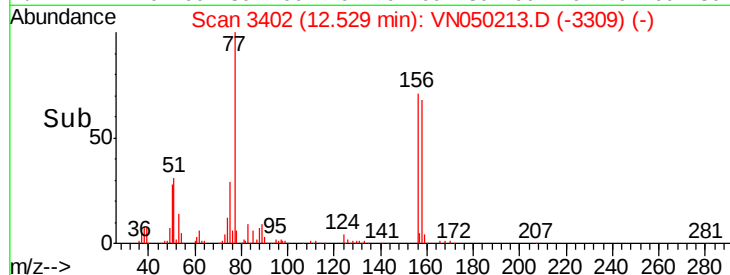
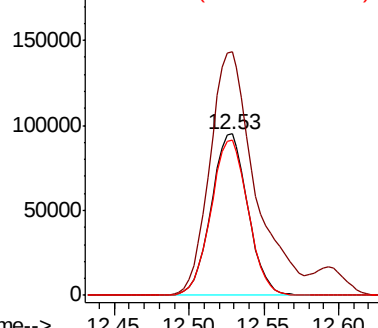


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.371 ug/l

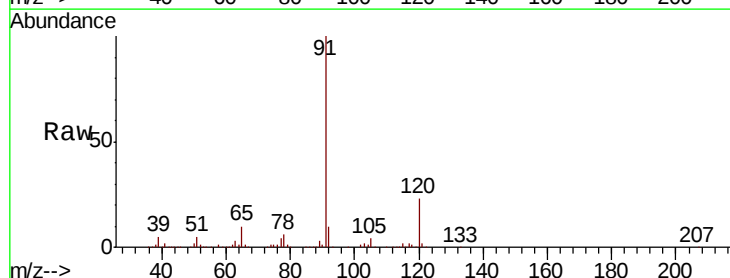
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

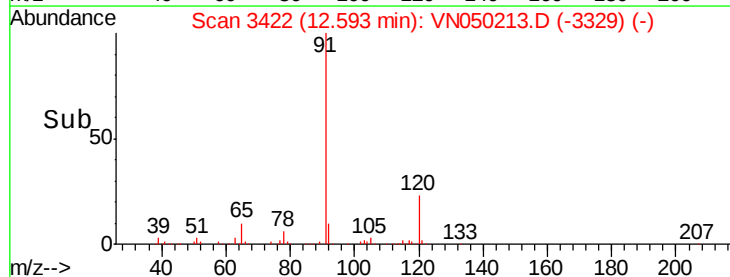
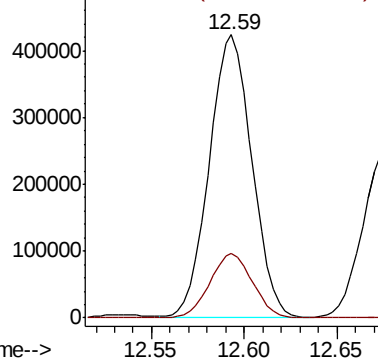
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 672379 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.8  | 11.6  | 34.7   |

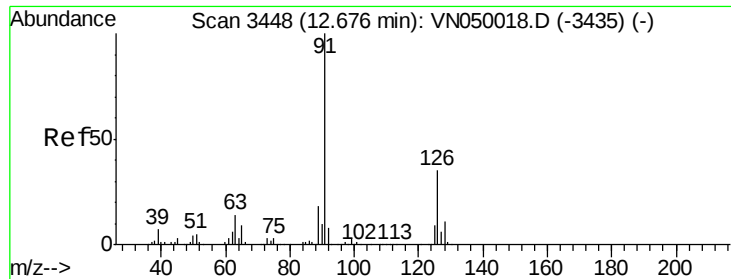


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.503 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA\_N

ClientSampled :

VN0731WBSD02

Tot Ion: 91 Resp: 419444

Ion Ratio Lower Upper

91 100

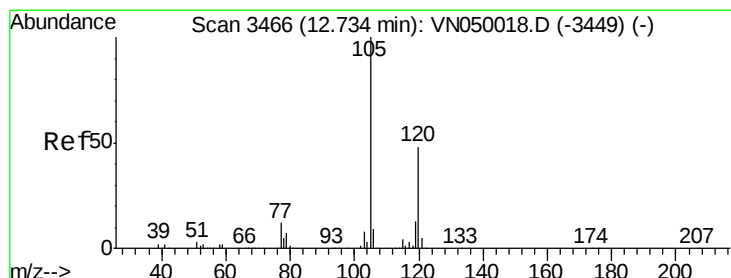
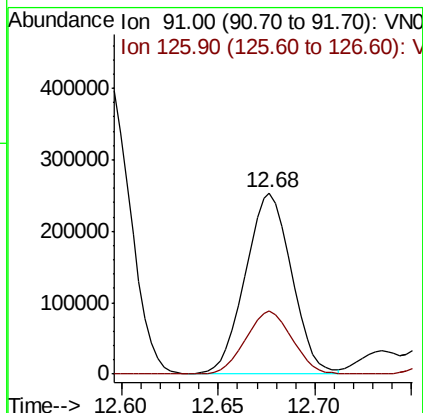
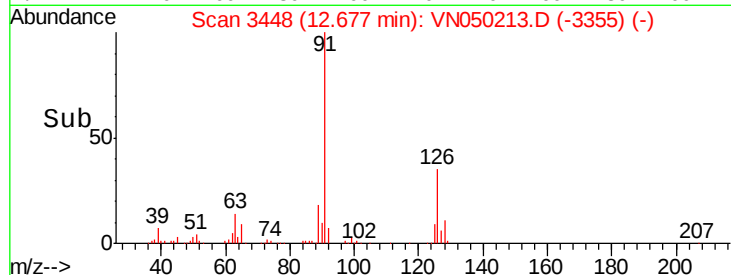
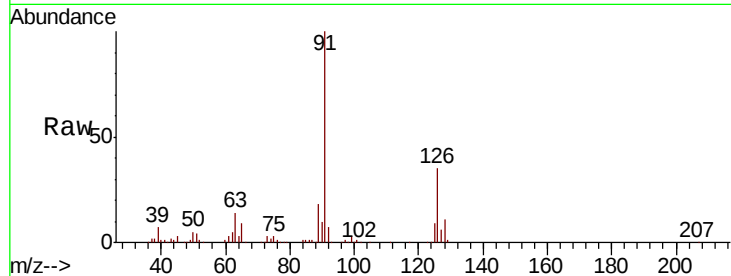
126 35.3 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.078 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050213.D

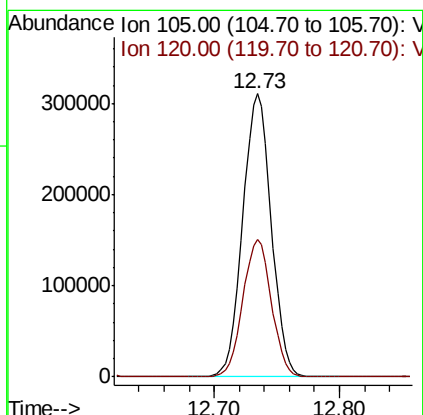
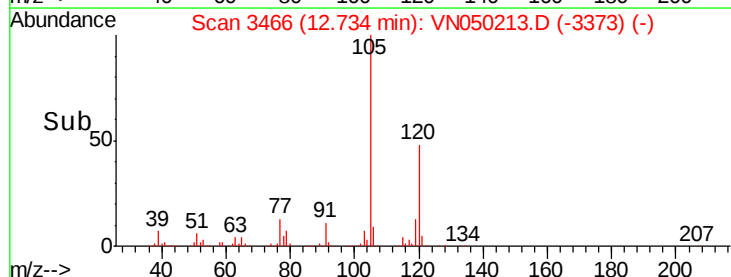
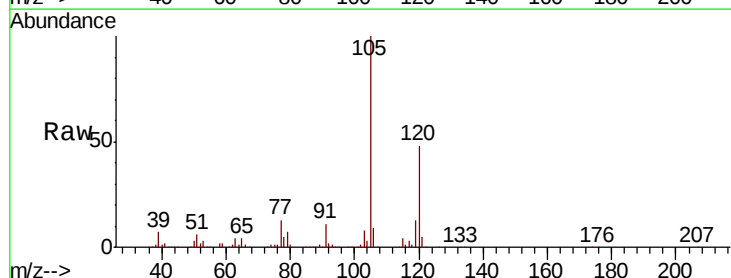
Acq: 31 Jul 2018 14:27

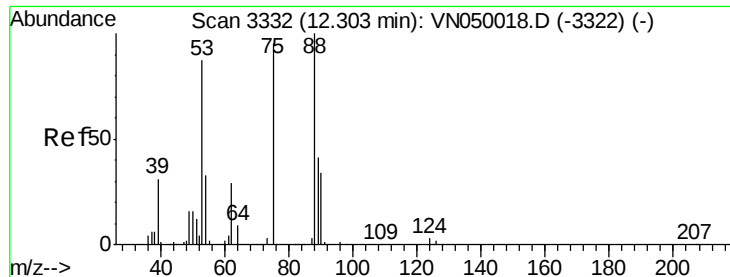
Tgt Ion: 105 Resp: 489596

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2





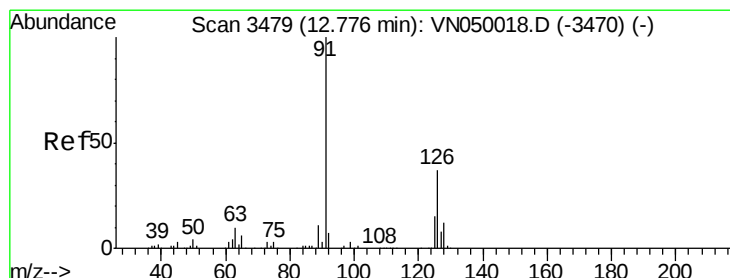
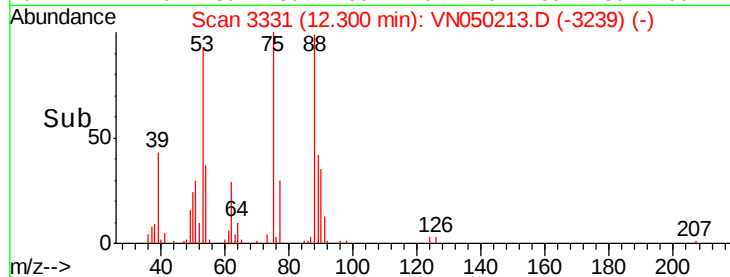
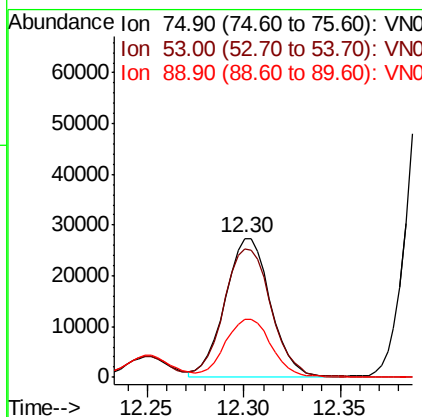
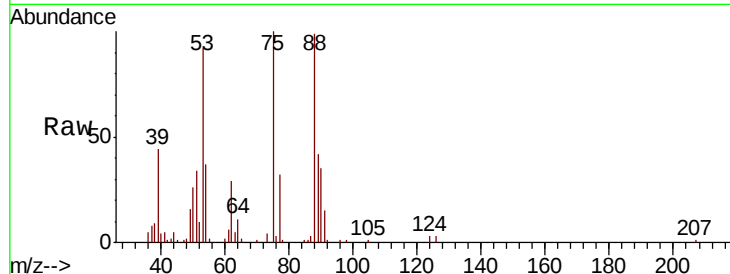
#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.128 ug/l  
RT: 12.30 min Scan# 3331  
Delta R.T. -0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 96.5  | 73.5  | 110.3 |
| 89      | 42.9  | 36.0  | 54.0  |

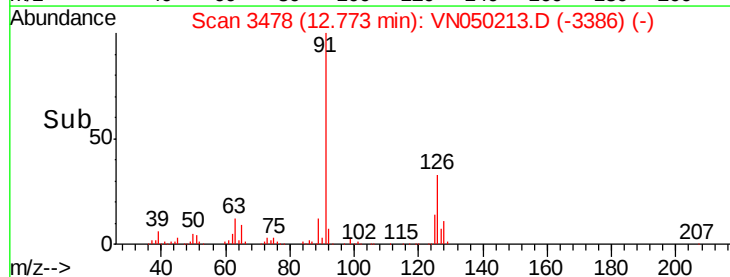
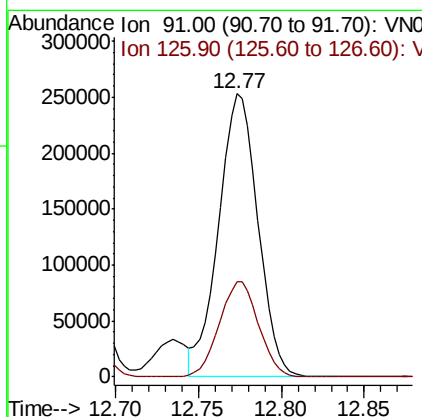
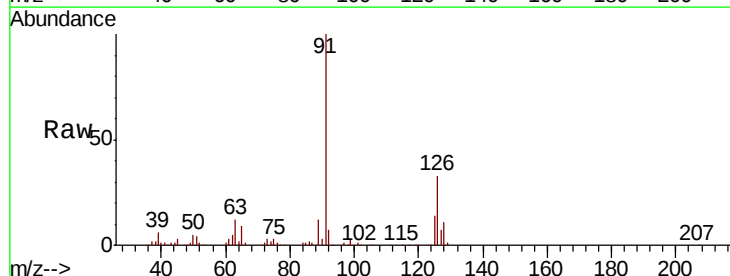
Manual Integrations  
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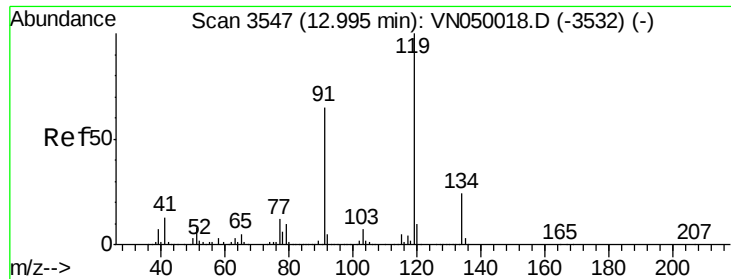
MMDadoda  
8/1/2018 11:14:14 AM



#82  
4-Chlorotoluene  
Concen: 20.525 ug/l  
RT: 12.77 min Scan# 3478  
Delta R.T. -0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.8  | 17.0  | 51.0  |





#83

tert-Butylbenzene

Concen: 20.522 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA\_N

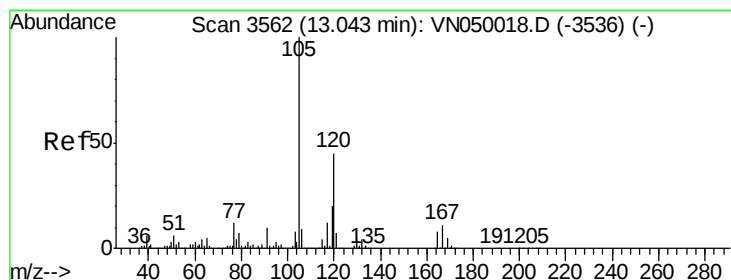
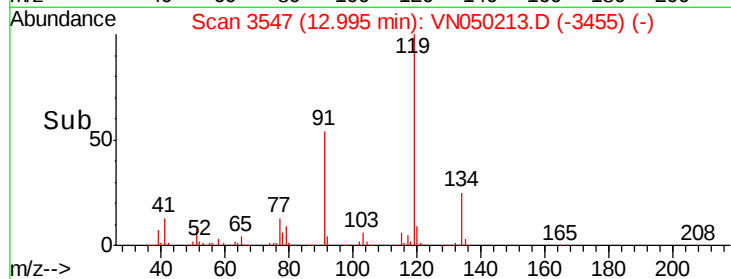
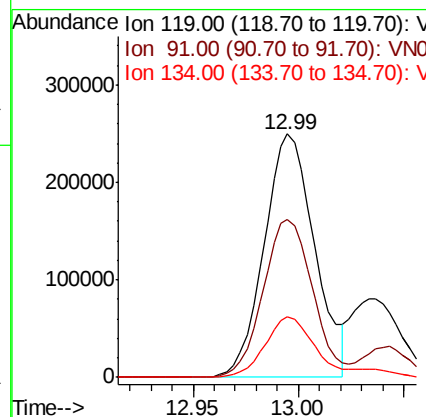
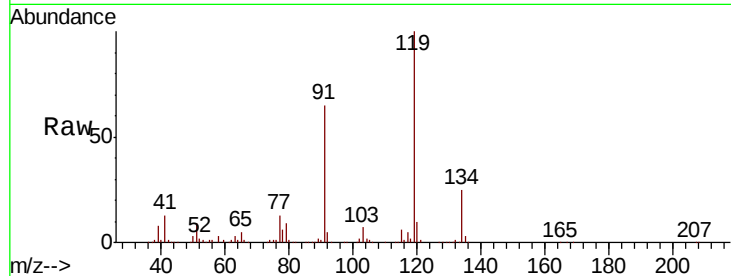
ClientSampleId :

VN0731WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 415985 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 63.7  | 32.1  | 96.3   |
| 134       | 24.1  | 13.2  | 39.5   |

Manual Integrations  
APPROVED

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8/1/2018 11:14:14 AM



#84

1,2,4-Trimethylbenzene

Concen: 21.173 ug/l

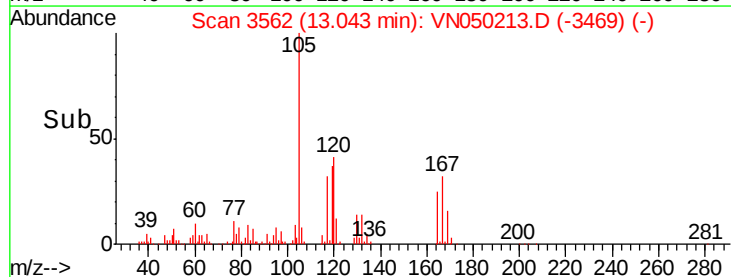
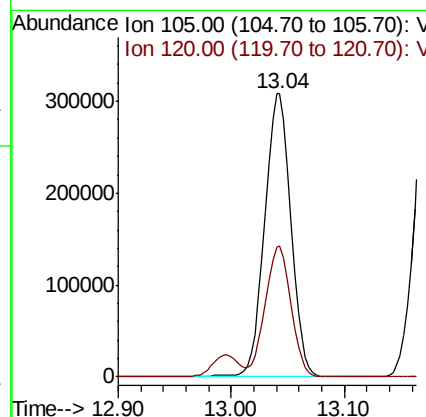
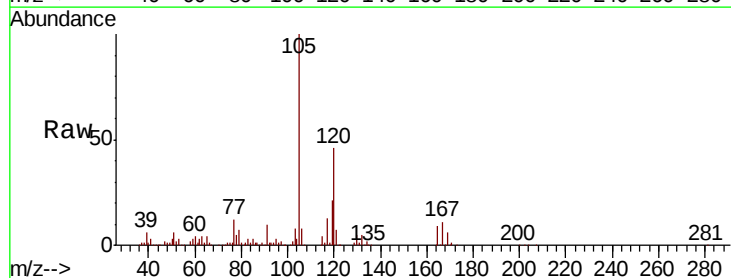
RT: 13.04 min Scan# 3562

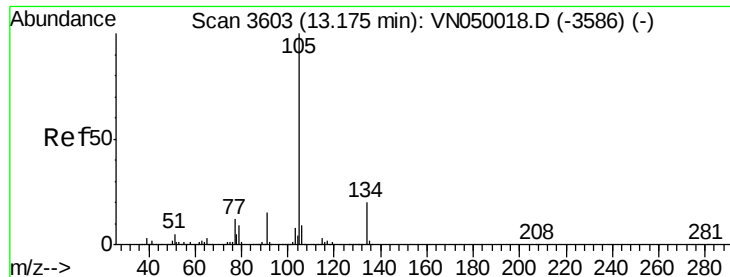
Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 495707 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 45.4  | 22.9  | 68.7   |





#85

sec-Butylbenzene

Concen: 20.225 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA\_N

ClientSampleId :

VN0731WBSD02

Tot Ion:105 Resp: 547780

Ion Ratio Lower Upper

105 100

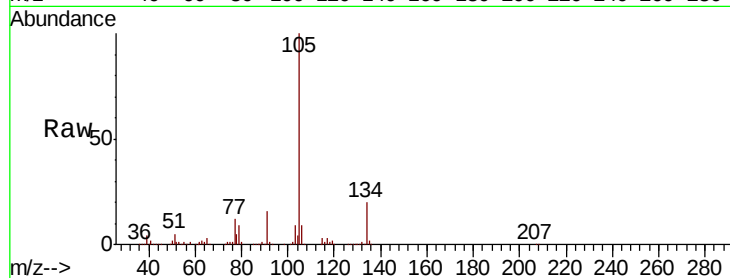
134 19.7 10.1 30.1

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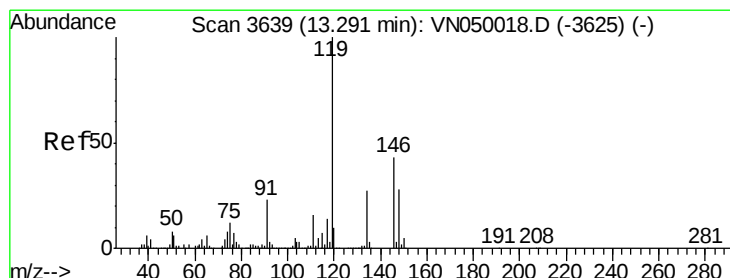
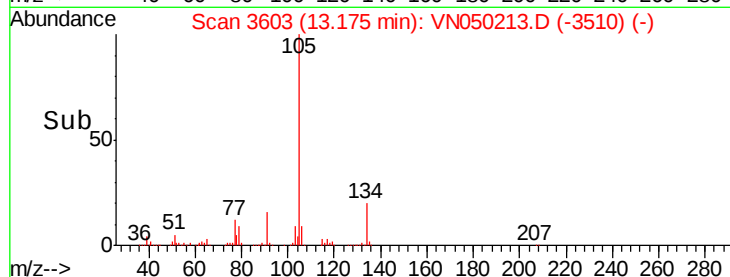
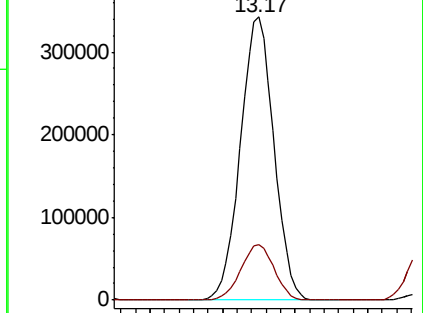
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.220 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

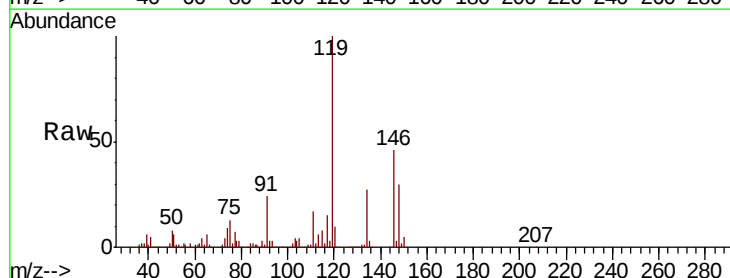
Tgt Ion:119 Resp: 461469

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

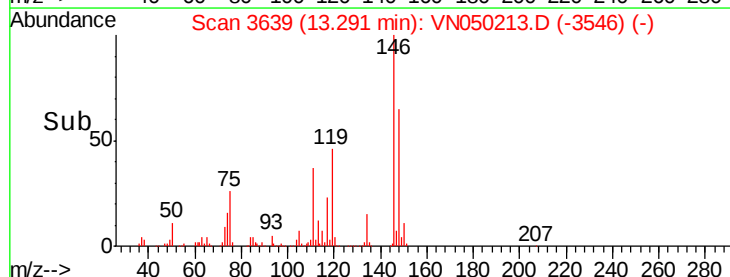
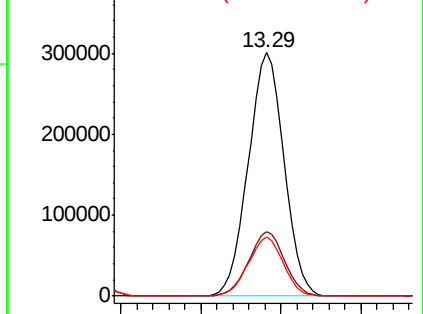
91 23.6 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





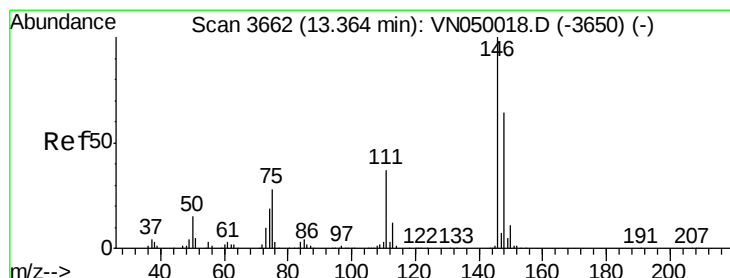
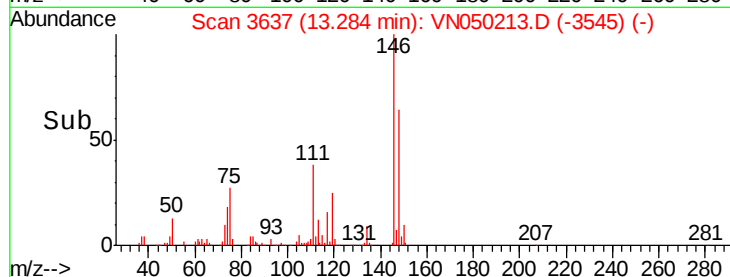
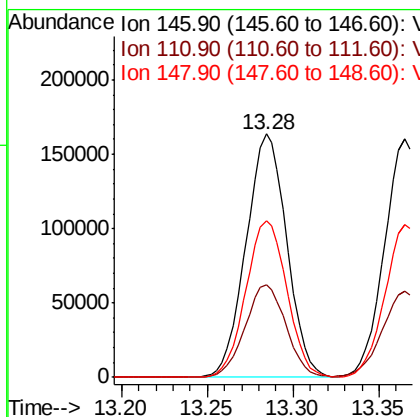
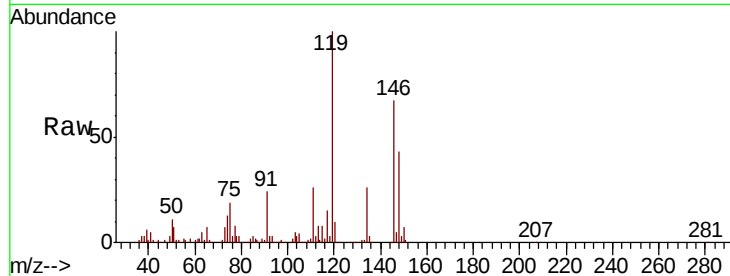
#87  
 1,3-Dichlorobenzene  
 Concen: 19.341 ug/l  
 RT: 13.28 min Scan# 3637  
 Delta R.T. -0.00 min  
 Lab File: VN050213.D  
 Acq: 31 Jul 2018 14:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0731WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.3  | 18.8  | 56.4  |
| 148     | 64.8  | 31.9  | 95.9  |

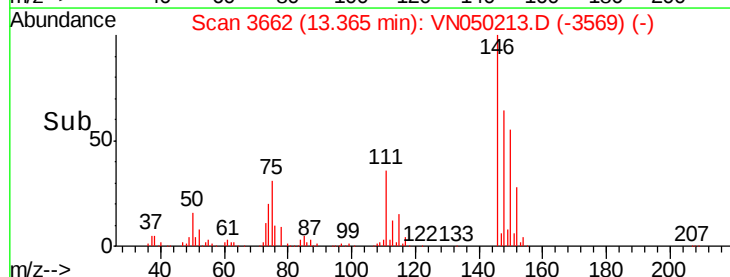
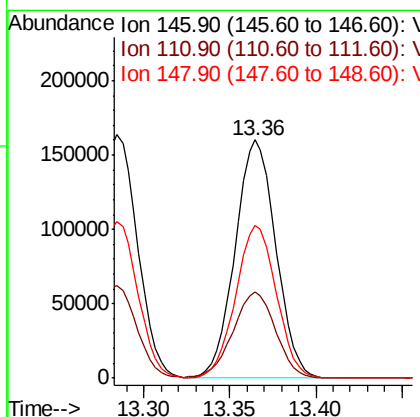
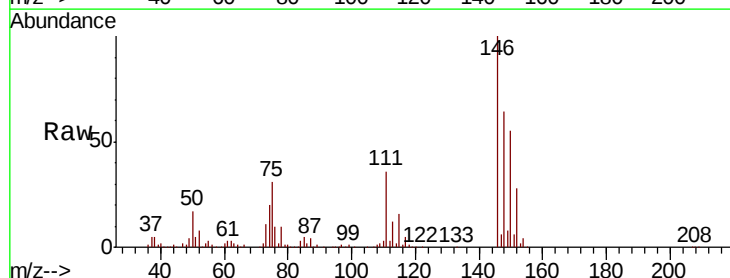
Manual Integrations  
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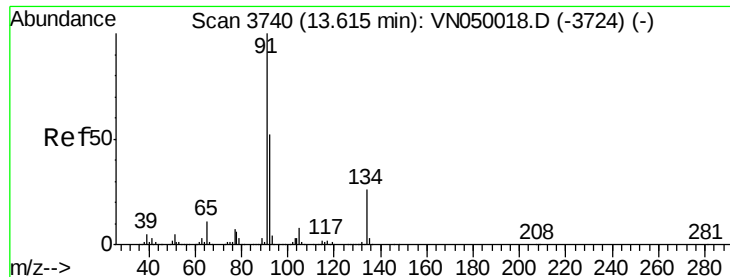
MMDadoda  
 8/1/2018 11:14:14 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.423 ug/l  
 RT: 13.36 min Scan# 3662  
 Delta R.T. 0.00 min  
 Lab File: VN050213.D  
 Acq: 31 Jul 2018 14:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.1  | 18.3  | 54.9  |
| 148     | 64.1  | 31.9  | 95.9  |





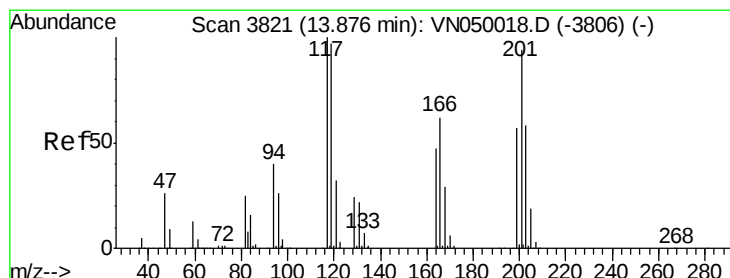
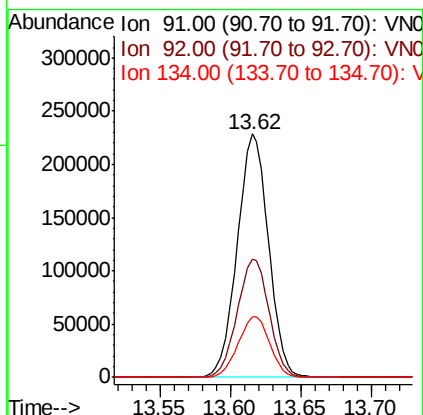
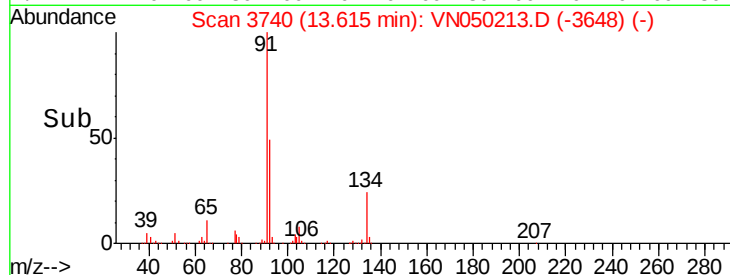
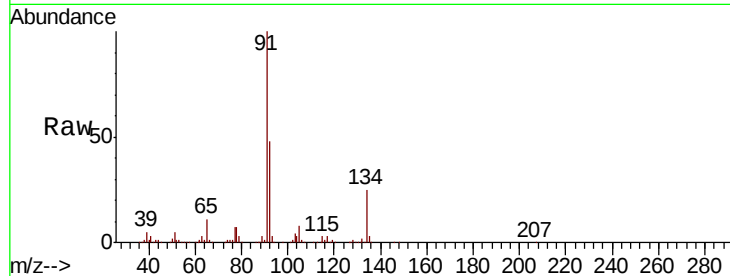
#89  
n-Butylbenzene  
Concen: 18.912 ug/l  
RT: 13.62 min Scan# 3740  
Delta R.T. -0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 49.4  | 25.8  | 77.4  |
| 134     | 25.3  | 12.8  | 38.4  |

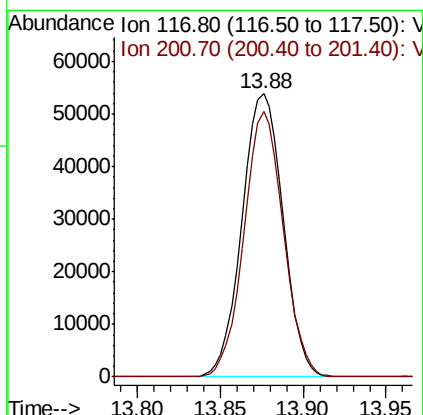
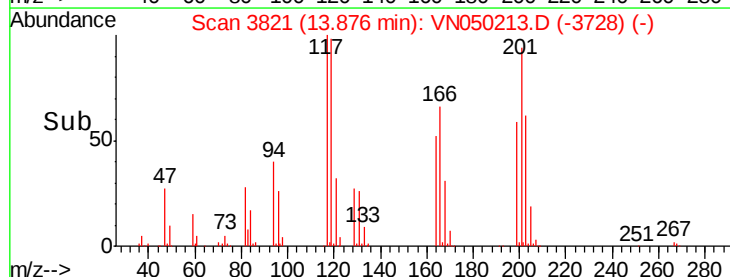
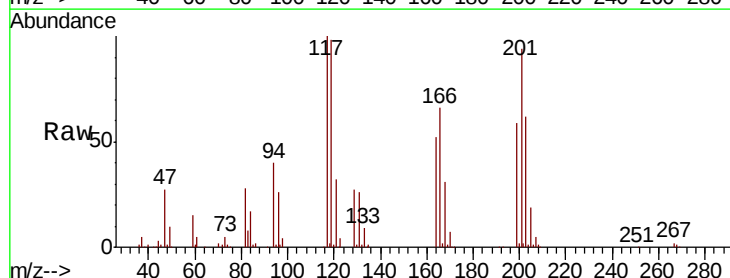
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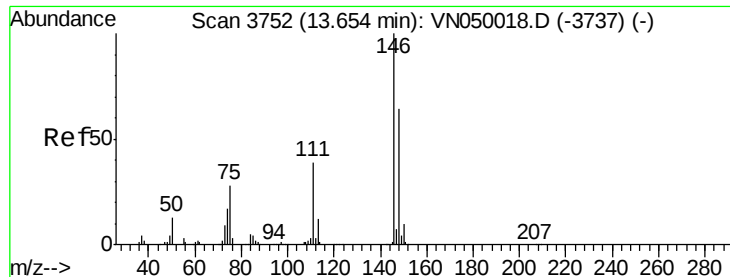
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#90  
Hexachloroethane  
Concen: 18.382 ug/l  
RT: 13.88 min Scan# 3821  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 89.8  | 45.6  | 136.8 |





#91

1,2-Dichlorobenzene

Concen: 19.690 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

Instrument :

MSVOA\_N

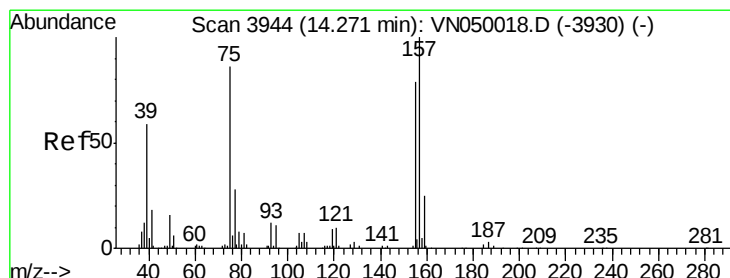
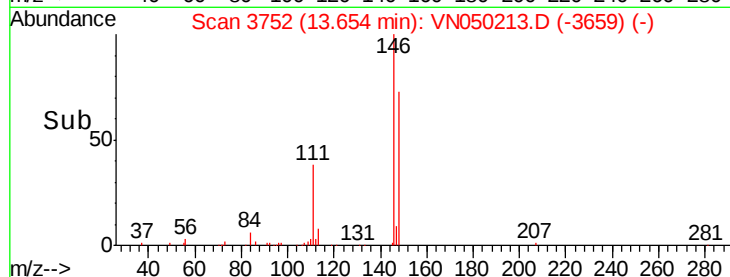
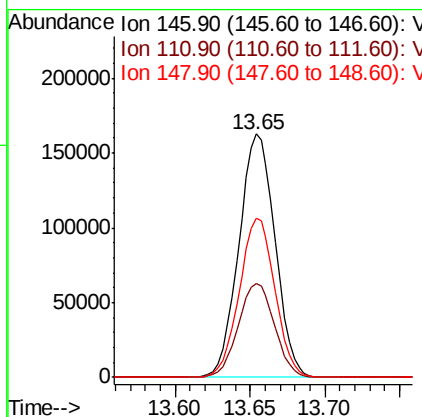
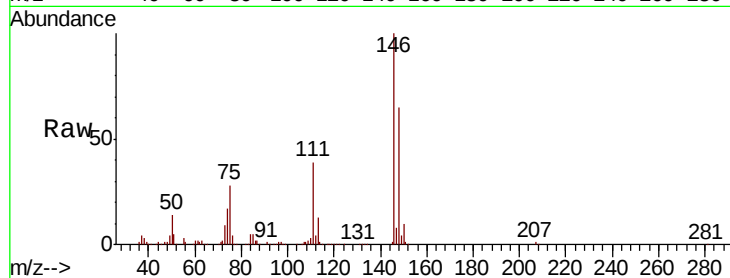
ClientSampleId :

VN0731WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 273083 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 38.7  | 19.6  | 58.7   |
| 148       | 64.1  | 32.1  | 96.3   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.355 ug/l

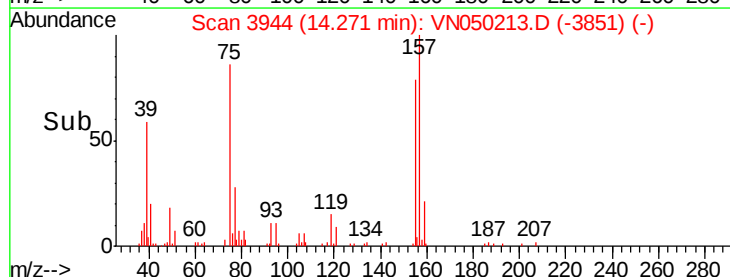
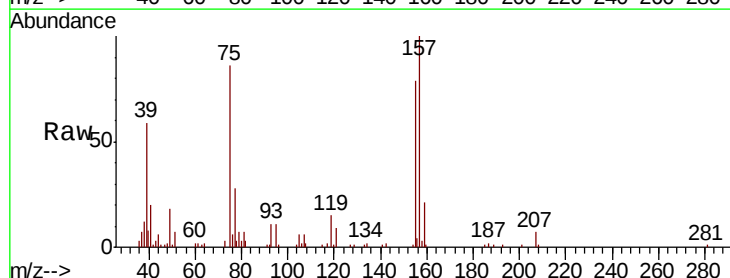
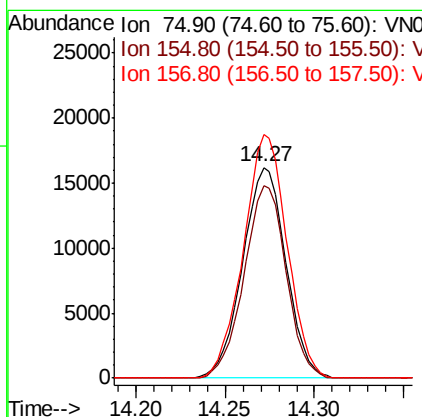
RT: 14.27 min Scan# 3944

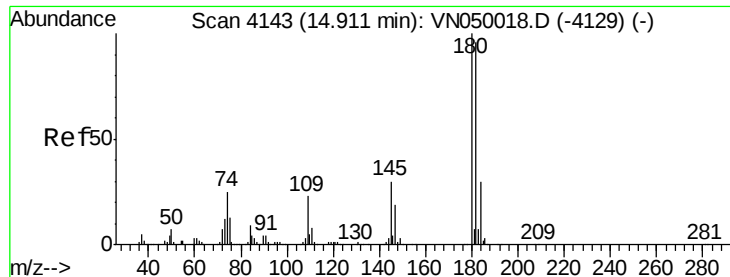
Delta R.T. 0.00 min

Lab File: VN050213.D

Acq: 31 Jul 2018 14:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 27415 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 88.6  | 44.8  | 134.4 |
| 157       | 116.7 | 57.2  | 171.6 |





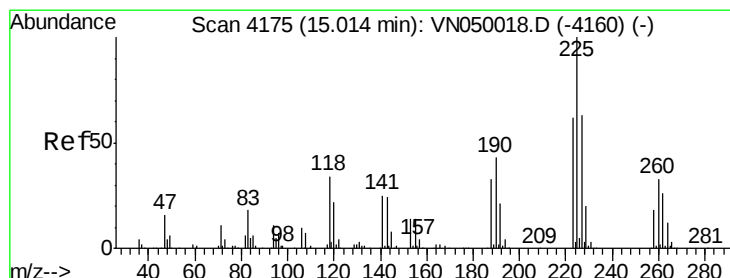
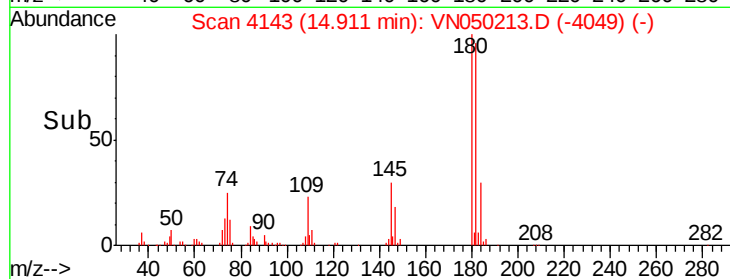
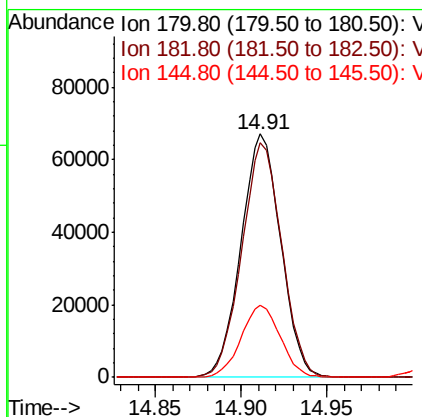
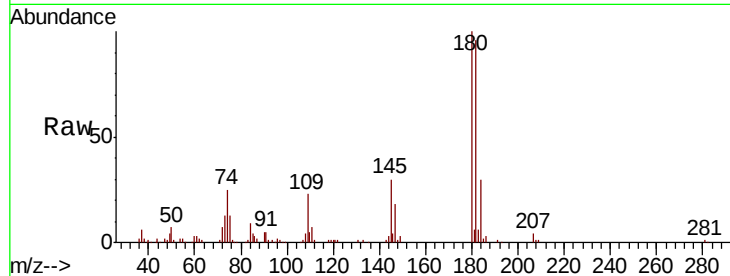
#93  
 1,2,4-Trichlorobenzene  
 Concen: 16.805 ug/l  
 RT: 14.91 min Scan# 4143  
 Delta R.T. 0.00 min  
 Lab File: VN050213.D  
 Acq: 31 Jul 2018 14:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0731WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 107547 |       |       |
| 182     | 97.0  | 46.7   | 140.1 |       |
| 145     | 29.3  | 13.8   | 41.4  |       |

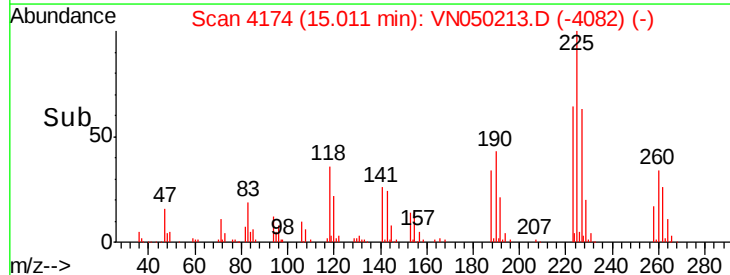
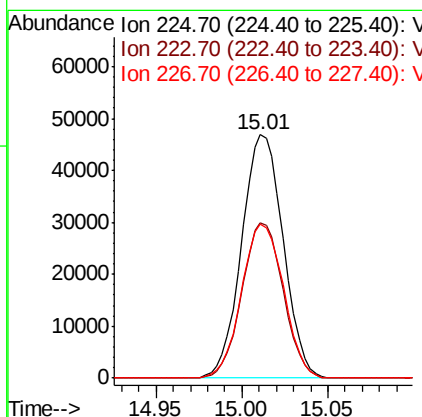
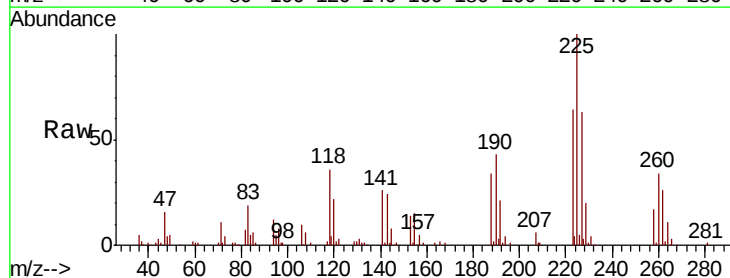
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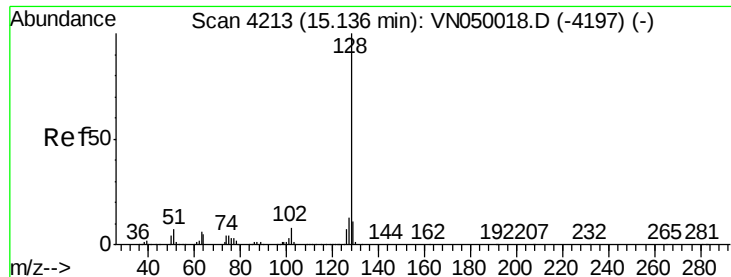
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#94  
 Hexachlorobutadiene  
 Concen: 18.511 ug/l  
 RT: 15.01 min Scan# 4174  
 Delta R.T. -0.00 min  
 Lab File: VN050213.D  
 Acq: 31 Jul 2018 14:27

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 78597 |       |       |
| 223     | 63.0  | 31.4  | 94.2  |       |
| 227     | 64.2  | 32.1  | 96.5  |       |





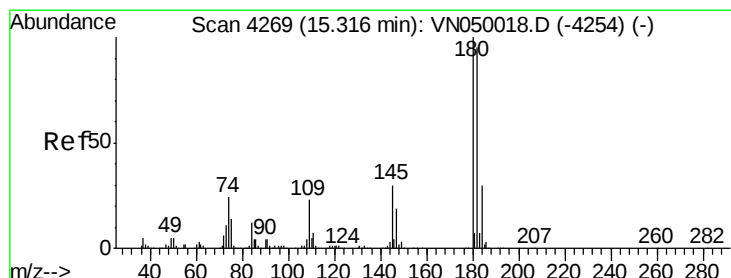
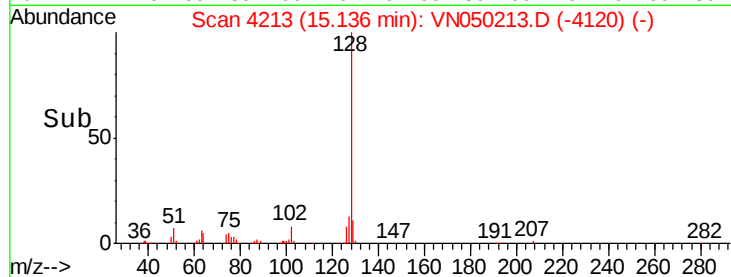
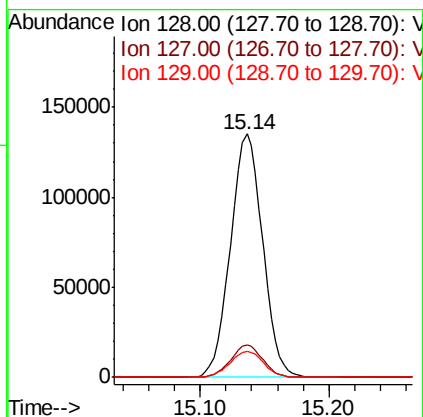
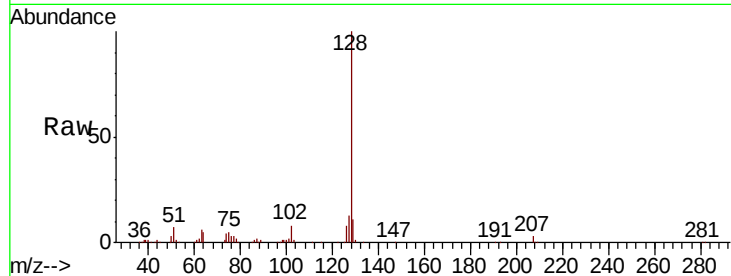
#95  
Naphthalene  
Concen: 16.690 ug/l  
RT: 15.14 min Scan# 4213  
Delta R.T. 0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0731WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.3  | 10.4  | 15.6  |
| 129     | 11.1  | 8.8   | 13.2  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 17.887 ug/l  
RT: 15.32 min Scan# 4269  
Delta R.T. -0.00 min  
Lab File: VN050213.D  
Acq: 31 Jul 2018 14:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.5  | 48.1  | 144.4 |
| 145     | 30.4  | 15.3  | 45.9  |

