

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110218\  
 Data File : VN052119.D  
 Acq On : 2 Nov 2018 10:47  
 Operator : MD\SY  
 Sample : VN1102WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 6 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1102WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 11/5/2018 11:52:52 AM

Quant Time: Nov 02 22:45:46 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N103018W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 31 02:45:22 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 302031   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 559618   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 500092   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 216130   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 209406   | 43.21 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 86.42% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 170901   | 48.82 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.64% |      |
| 50) Toluene-d8              | 10.09  | 98  | 656957   | 46.95 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.90% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 224540   | 43.71 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 87.42% |      |

| Target Compounds              |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 73847  | 20.115  | ug/l   | 97     |
| 3) Chloromethane              | 2.06 | 50  | 88351  | 19.095  | ug/l   | 96     |
| 4) Vinyl Chloride             | 2.19 | 62  | 89301  | 17.932  | ug/l   | 98     |
| 5) Bromomethane               | 2.56 | 94  | 59689  | 15.978  | ug/l   | 99     |
| 6) Chloroethane               | 2.71 | 64  | 55587  | 17.288  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 122491 | 21.538  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.42 | 74  | 43733  | 20.614  | ug/l   | 89     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 70329  | 20.961  | ug/l   | 95     |
| 10) Methyl Iodide             | 3.96 | 142 | 87559  | 19.913  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.79 | 59  | 24749  | 101.972 | ug/l # | 91     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 64231  | 20.272  | ug/l   | 88     |
| 13) Acrolein                  | 3.61 | 56  | 17310  | 88.129  | ug/l   | 96     |
| 14) Allyl chloride            | 4.33 | 41  | 105725 | 16.673  | ug/l   | 97     |
| 15) Acrylonitrile             | 4.99 | 53  | 131888 | 95.054  | ug/l   | 97     |
| 16) Acetone                   | 3.82 | 43  | 99349  | 96.031  | ug/l   | 96     |
| 17) Carbon Disulfide          | 4.06 | 76  | 176835 | 17.712  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.33 | 43  | 63647  | 19.326  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 195564 | 18.791  | ug/l   | 98     |
| 20) Methylene Chloride        | 4.55 | 84  | 75534  | 19.161  | ug/l   | 92     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96  | 72614  | 20.099  | ug/l   | 92     |
| 22) Diisopropyl ether         | 5.96 | 45  | 245800 | 17.934  | ug/l   | 99     |
| 23) Vinyl Acetate             | 5.90 | 43  | 883176 | 93.002  | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 140944 | 18.391  | ug/l   | 100    |
| 25) 2-Butanone                | 6.84 | 43  | 166080 | 102.351 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 104110 | 17.105  | ug/l   | 82     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 84281  | 19.534  | ug/l   | 92     |
| 28) Bromochloromethane        | 7.20 | 49  | 62185  | 16.373  | ug/l   | 87     |
| 29) Tetrahydrofuran           | 7.22 | 42  | 108597 | 100.456 | ug/l   | 98     |
| 30) Chloroform                | 7.38 | 83  | 139387 | 18.221  | ug/l   | 98     |
| 31) Cyclohexane               | 7.66 | 56  | 128629 | 16.107  | ug/l # | 90     |
| 32) 1,1,1-Trichloroethane     | 7.58 | 97  | 118652 | 19.286  | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 7.80 | 75  | 104297 | 18.329  | ug/l   | 96     |
| 37) Ethyl Acetate             | 6.93 | 43  | 73924  | 19.409  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 100455 | 20.474  | ug/l   | 96     |

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 Acq On : 2 Nov 2018 10:47  
 Operator : MD\SY  
 Sample : VN1102WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 6 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN1102WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 11/5/2018 11:52:52 AM

Quant Time: Nov 02 22:45:46 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N103018W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 31 02:45:22 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 121351   | 17.971  | ug/l   | 96       |
| 40) Benzene                    | 8.04  | 78   | 309921   | 18.830  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.18  | 41   | 39531    | 20.199  | ug/l # | 85       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 105243   | 17.327  | ug/l   | 96       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 131168   | 19.363  | ug/l   | 99       |
| 44) Trichloroethene            | 8.84  | 130  | 77223    | 20.980  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 84041    | 17.925  | ug/l   | 98       |
| 46) Dibromomethane             | 9.21  | 93   | 52034    | 19.857  | ug/l   | 92       |
| 47) Bromodichloromethane       | 9.40  | 83   | 103650   | 18.965  | ug/l   | 95       |
| 48) Methyl methacrylate        | 9.20  | 41   | 63763    | 18.566  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 11643    | 419.226 | ug/l # | 92       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 366969   | 99.668  | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 193095   | 19.435  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 101235   | 17.521  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 118715   | 18.500  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 71539    | 20.216  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 96439    | 19.052  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 124496   | 19.120  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 255335   | 94.832  | ug/l   | 95       |
| 59) 2-Hexanone                 | 10.75 | 43   | 256434   | 97.734  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 72681    | 20.863  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 72752    | 20.681  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 63744    | 21.040  | ug/l   | 93       |
| 65) Chlorobenzene              | 11.44 | 112  | 213058   | 20.228  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 72044    | 21.783  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 365211   | 19.443  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.62 | 106  | 278999   | 41.498  | ug/l   | 94       |
| 69) o-Xylene                   | 11.95 | 106  | 135622   | 20.386  | ug/l   | 97       |
| 70) Styrene                    | 11.97 | 104  | 218142   | 20.265  | ug/l   | 97       |
| 71) Bromoform                  | 12.13 | 173  | 41621    | 20.907  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.25 | 105  | 352817   | 19.090  | ug/l   | 98       |
| 74) N-amyl acetate             | 12.07 | 43   | 116815   | 18.111  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 89133    | 20.112  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 74009m   | 18.706  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 80454    | 20.805  | ug/l   | 86       |
| 78) n-propylbenzene            | 12.59 | 91   | 404895   | 18.080  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 242165   | 18.549  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 285318   | 18.970  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 20670    | 17.341  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 246478   | 18.514  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 247829   | 19.616  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 293984   | 19.638  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 338528   | 18.757  | ug/l   | 97       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 280558   | 19.087  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 138983   | 19.708  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 144697   | 20.472  | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.62 | 91   | 241738   | 17.245  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.88 | 117  | 46440    | 18.436  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 136546   | 20.594  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 13375    | 21.472  | ug/l   | 85       |

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Data File : VN052119.D  
Acq On : 2 Nov 2018 10:47  
Operator : MD\SY  
Sample : VN1102WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 6 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1102WBSD01

Manual Integrations  
APPROVED

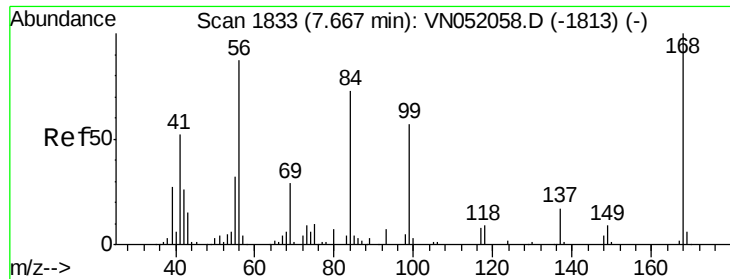
MMDadoda  
11/5/2018 11:52:52 AM

Quant Time: Nov 02 22:45:46 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N103018W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 31 02:45:22 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 54883    | 22.229 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 30281    | 21.913 | ug/l  | 94       |
| 95) Naphthalene            | 15.14 | 128  | 140669   | 22.715 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 48133    | 22.591 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

Instrument :

MSVOA\_N

ClientSampleId :

VN1102WBSD01

Tot Ion:168 Resp: 302031

Ion Ratio Lower Upper

168 100

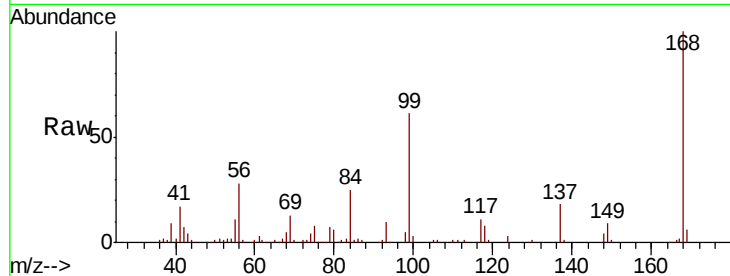
99 60.9 56.6 85.0

Manual Integrations

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11/5/2018 11:52:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

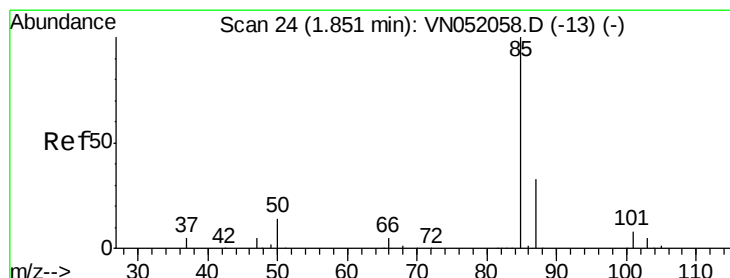
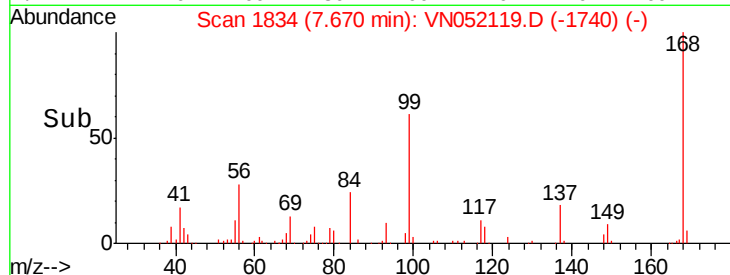
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 20.115 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052119.D

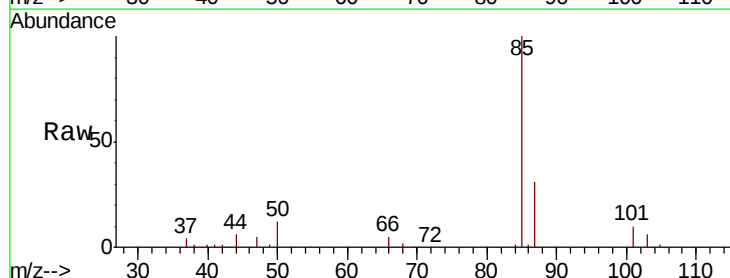
Acq: 2 Nov 2018 10:47

Tgt Ion: 85 Resp: 73847

Ion Ratio Lower Upper

85 100

87 30.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

60000

50000

40000

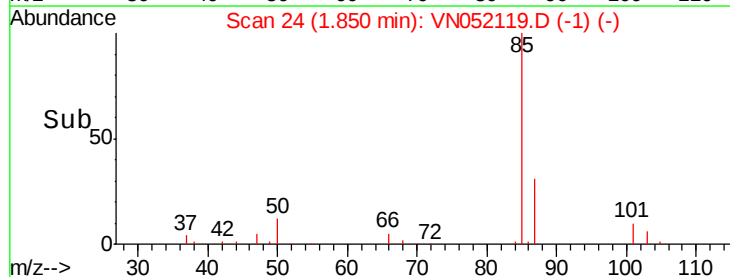
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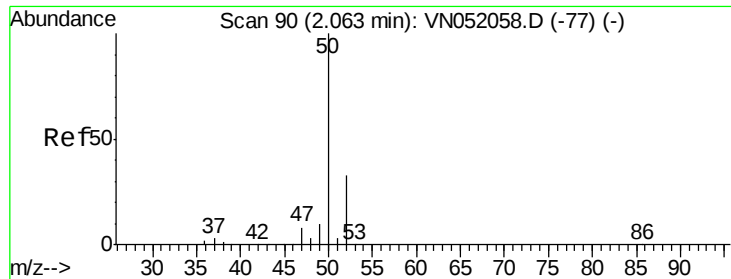
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 19.095 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

Instrument :

MSVOA\_N

ClientSampleId :

VN1102WBSD01

Tot Ion: 50 Resp: 88351

Ion Ratio Lower Upper

50 100

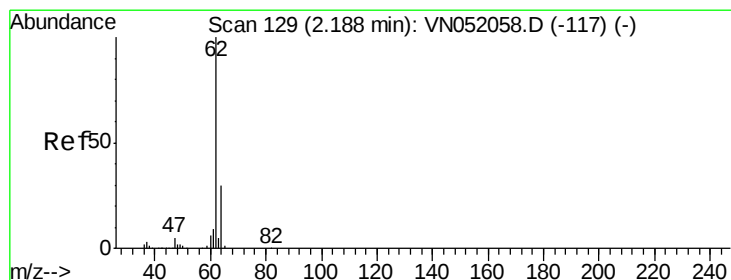
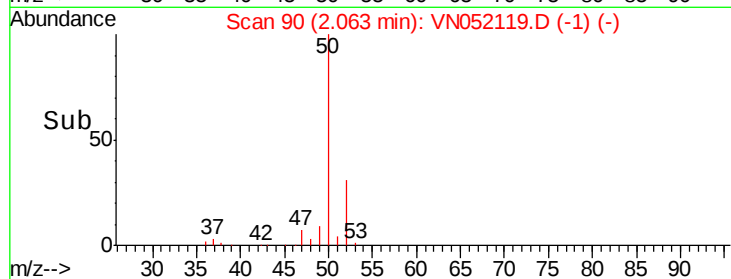
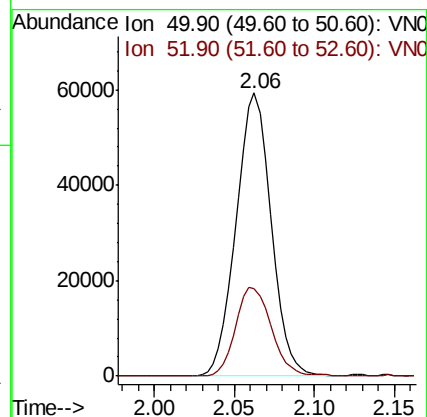
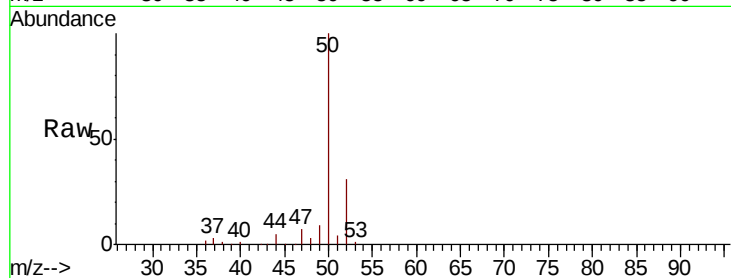
52 30.8 26.6 39.8

Manual Integrations

APPROVED

MMDadoda

11/5/2018 11:52:52 AM



#4

Vinyl Chloride

Concen: 17.932 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052119.D

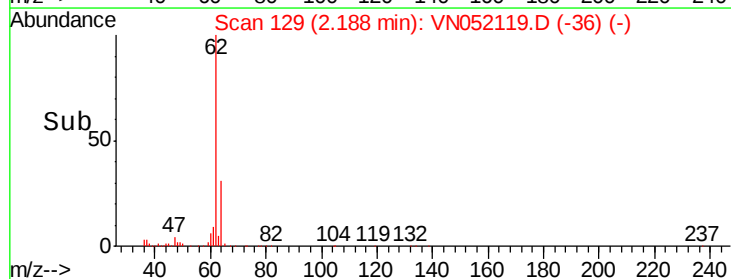
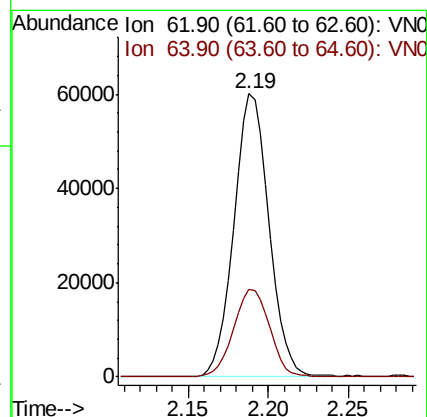
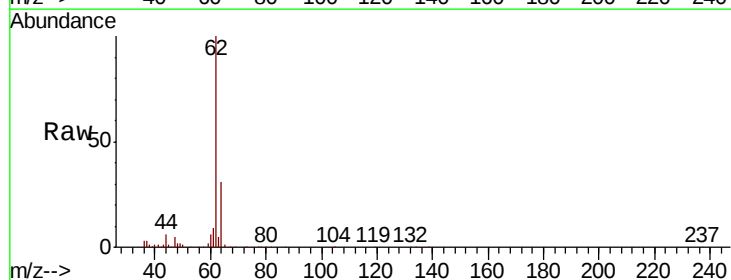
Acq: 2 Nov 2018 10:47

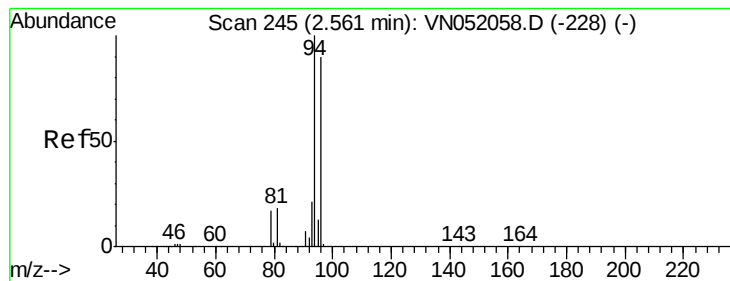
Tgt Ion: 62 Resp: 89301

Ion Ratio Lower Upper

62 100

64 30.7 23.7 35.5





#5

Bromomethane

Concen: 15.978 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

Instrument :

MSVOA\_N

ClientSampleId :

VN1102WBSD01

Tot Ion: 94 Resp: 59689

Ion Ratio Lower Upper

94 100

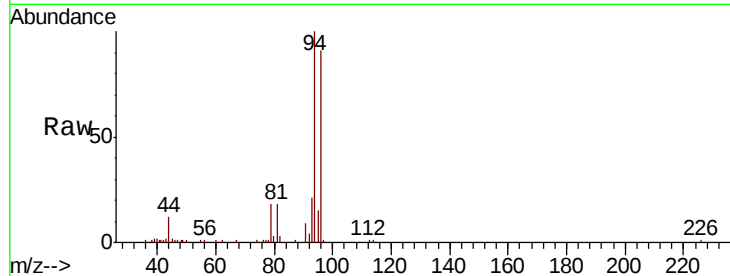
96 91.1 71.8 107.6

Manual Integrations

APPROVED

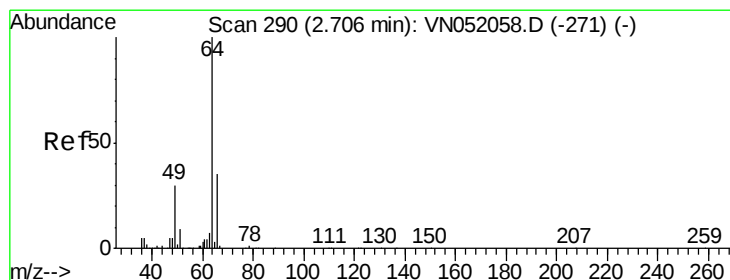
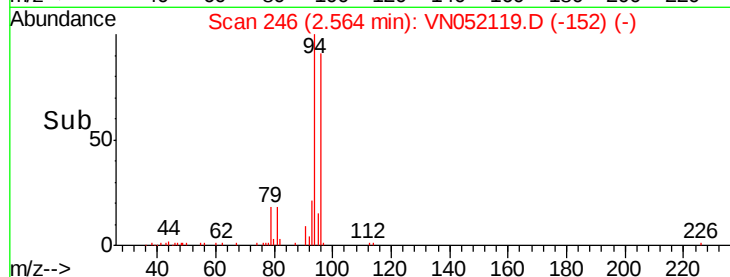
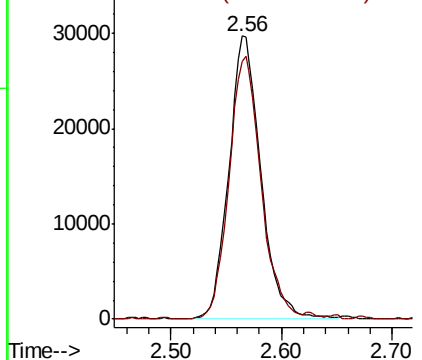
MMDadoda

11/5/2018 11:52:52 AM



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 17.288 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052119.D

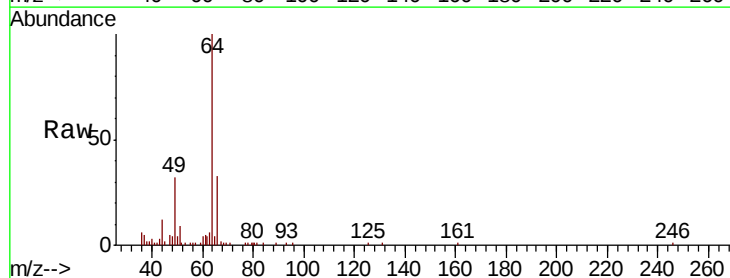
Acq: 2 Nov 2018 10:47

Tgt Ion: 64 Resp: 55587

Ion Ratio Lower Upper

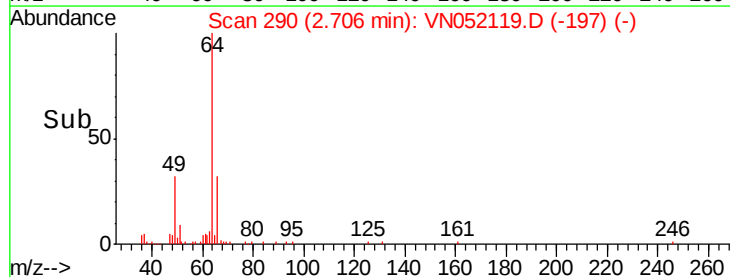
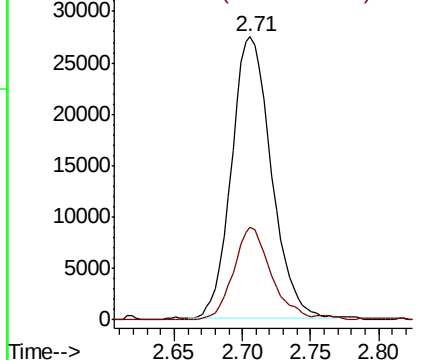
64 100

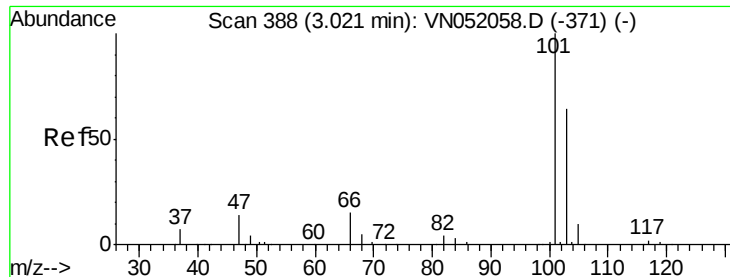
66 33.1 27.9 41.9



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

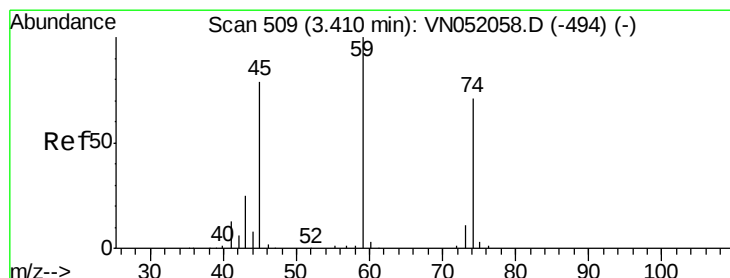
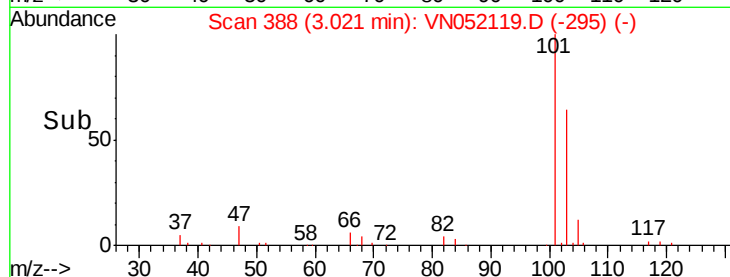
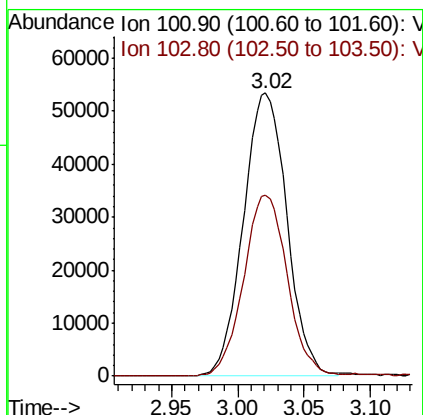
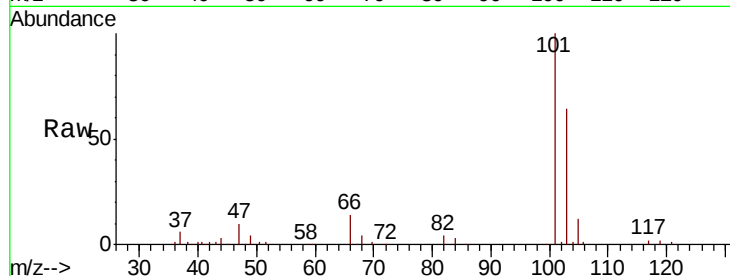
Trichlorofluoromethane  
Concen: 21.538 ug/l  
RT: 3.02 min Scan# 388  
Delta R.T. -0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1102WBSD01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 101     | 100  |       | 122491 |       |       |
| 103     | 64.1 | 51.0  | 76.4   |       |       |

Manual Integrations  
APPROVED

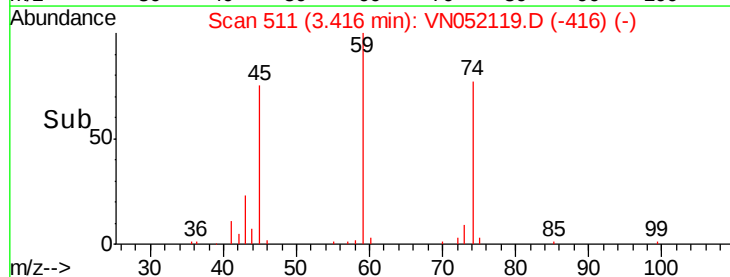
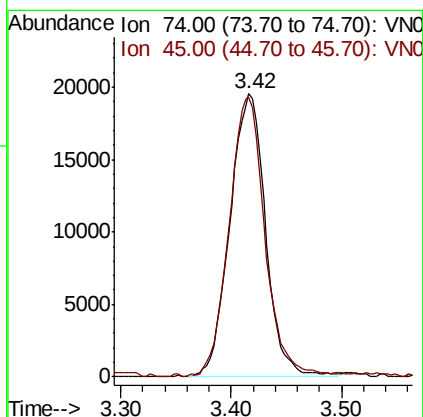
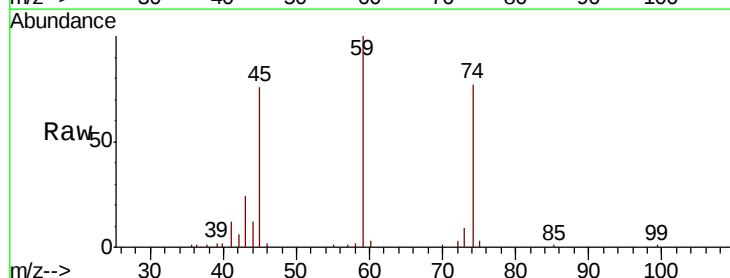
MMDadoda  
11/5/2018 11:52:52 AM

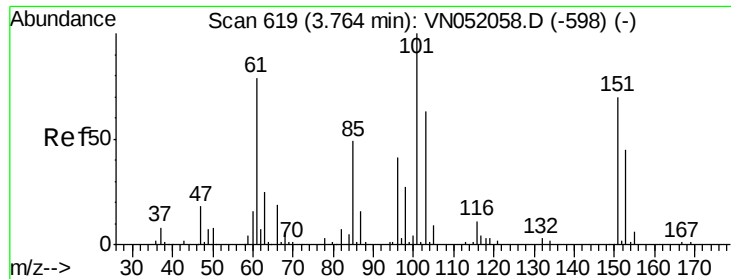


#8

Diethyl Ether  
Concen: 20.614 ug/l  
RT: 3.42 min Scan# 511  
Delta R.T. 0.01 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 74      | 100  |       | 43733 |       |       |
| 45      | 99.6 | 55.6  | 166.8 |       |       |





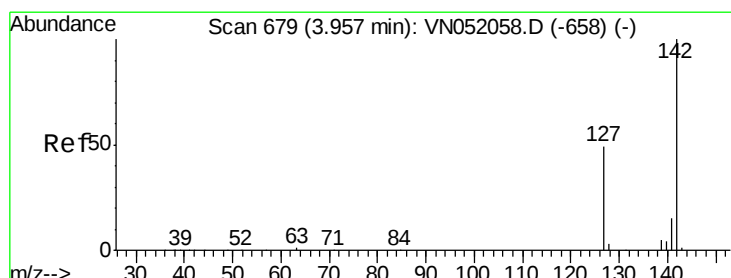
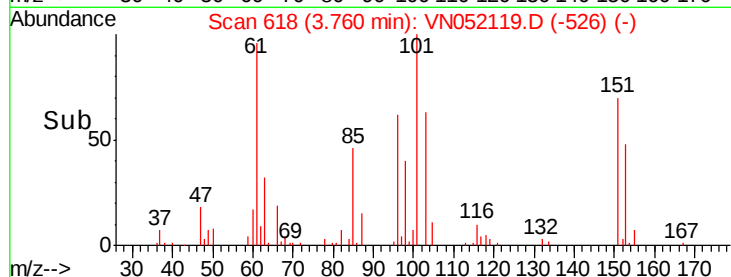
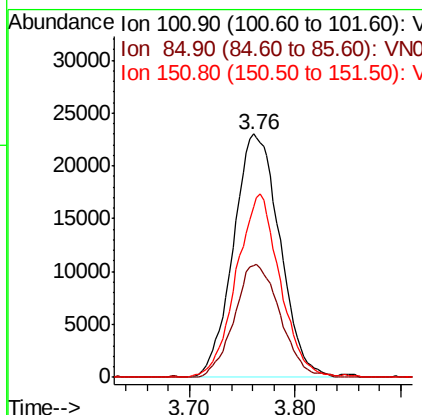
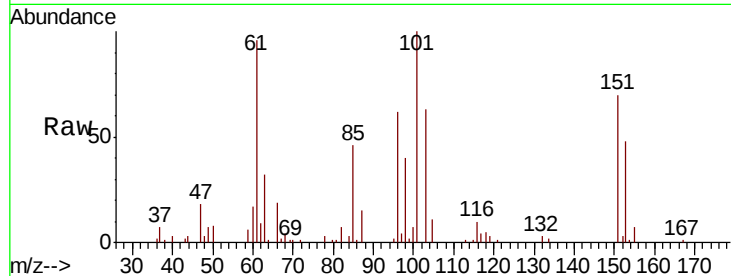
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 20.961 ug/l  
 RT: 3.76 min Scan# 618  
 Delta R.T. -0.00 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1102WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 85      | 45.7  | 38.6  | 58.0  |
| 151     | 70.8  | 52.6  | 78.8  |

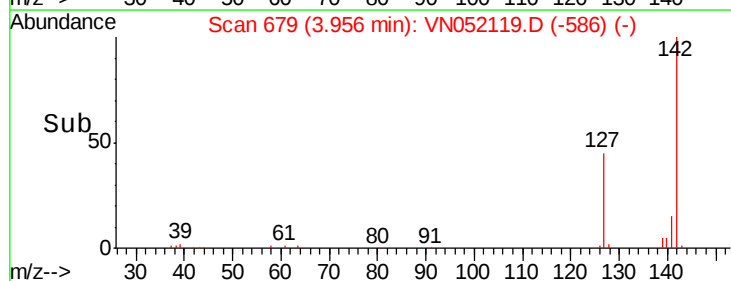
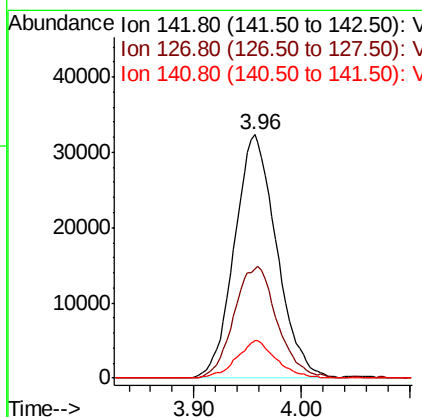
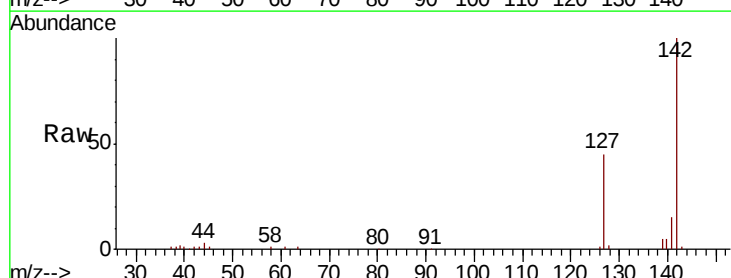
Manual Integrations  
 APPROVED

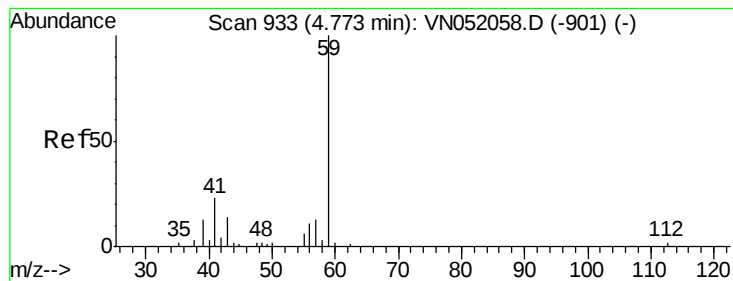
MMDadoda  
 11/5/2018 11:52:52 AM



#10  
 Methyl Iodide  
 Concen: 19.913 ug/l  
 RT: 3.96 min Scan# 679  
 Delta R.T. -0.00 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 47.1  | 37.3  | 55.9  |
| 141     | 14.5  | 11.4  | 17.2  |





#11

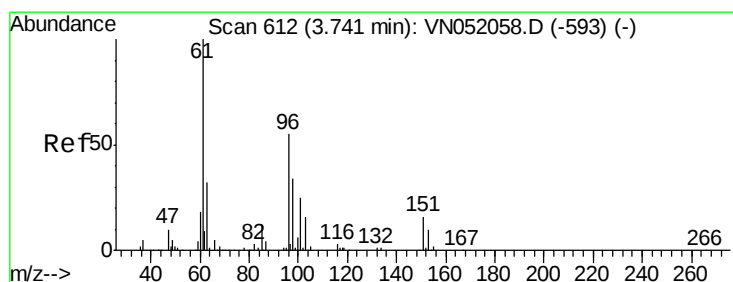
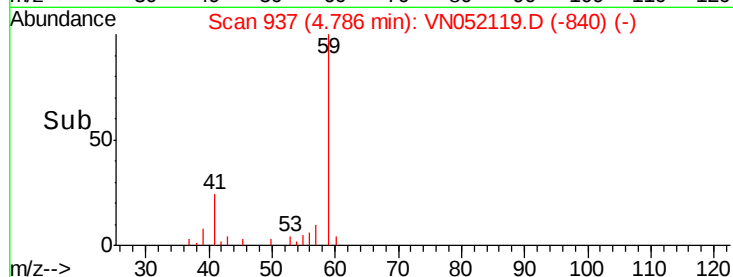
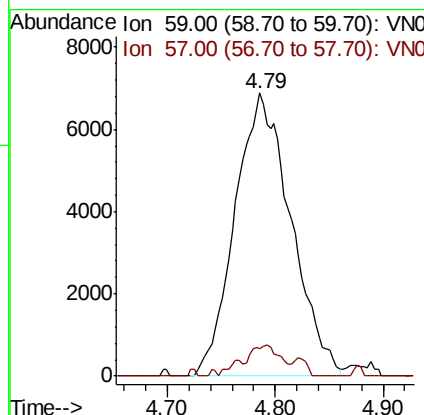
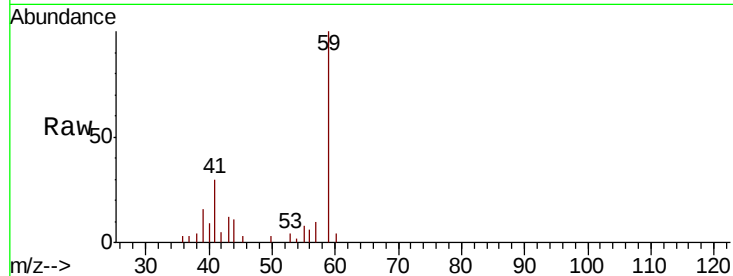
Tert butyl alcohol  
Concen: 101.972 ug/l  
RT: 4.79 min Scan# 937  
Delta R.T. 0.01 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1102WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 5.6   | 7.0   | 10.6# |

Manual Integrations  
APPROVED

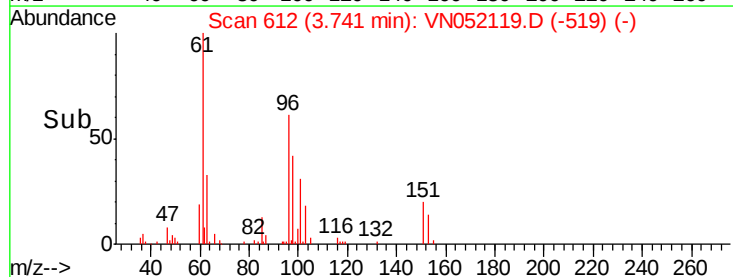
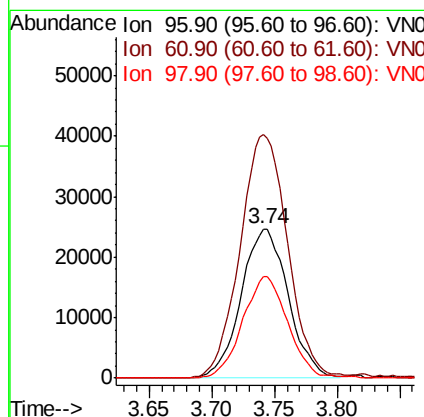
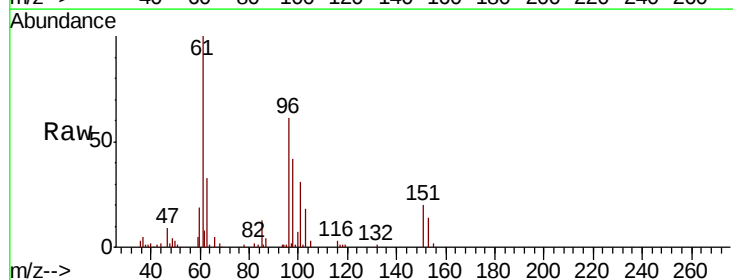
MMDadoda  
11/5/2018 11:52:52 AM

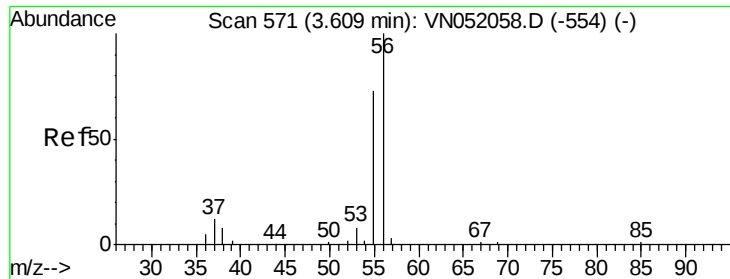


#12

1,1-Dichloroethene  
Concen: 20.272 ug/l  
RT: 3.74 min Scan# 612  
Delta R.T. -0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 162.5 | 145.7 | 218.5 |
| 98      | 68.0  | 49.8  | 74.8  |





#13

Acrolein

Concen: 88.129 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

Instrument :

MSVOA\_N

ClientSampleId :

VN1102WBSD01

Tot Ion: 56 Resp: 17310

Ion Ratio Lower Upper

56 100

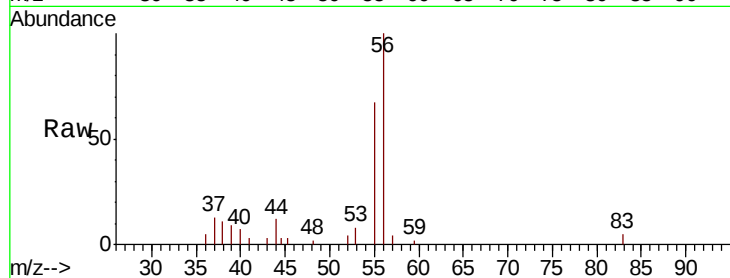
55 71.5 59.9 89.9

Manual Integrations

APPROVED

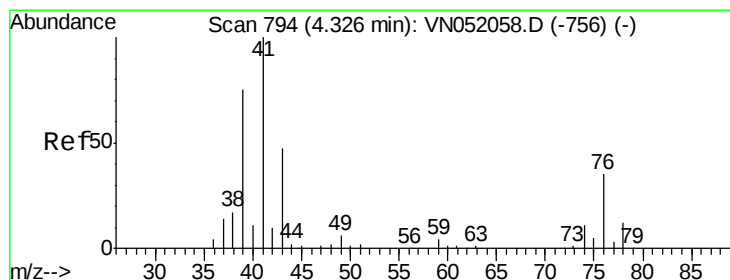
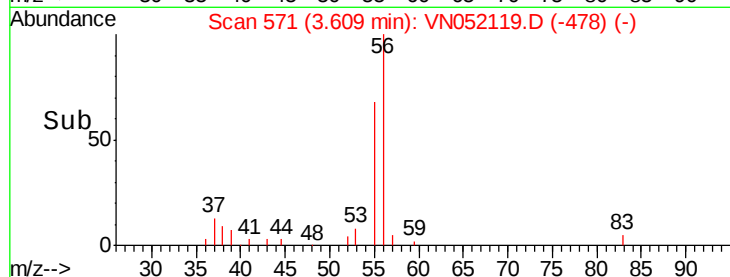
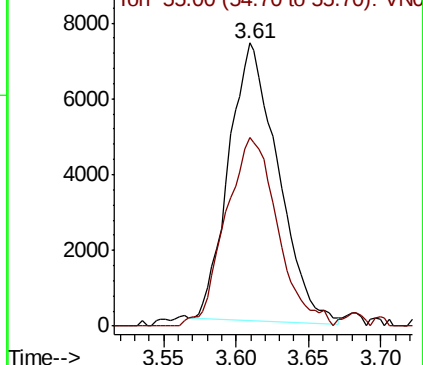
MMDadoda

11/5/2018 11:52:52 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 16.673 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

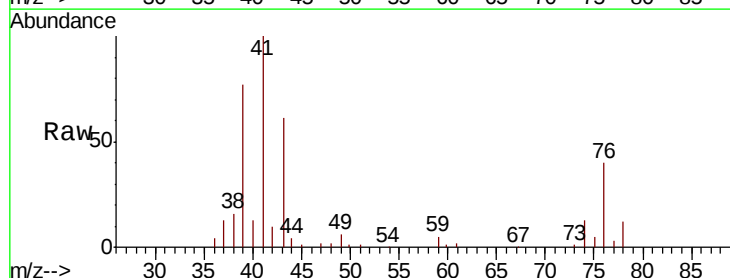
Tgt Ion: 41 Resp: 105725

Ion Ratio Lower Upper

41 100

39 72.3 58.1 87.1

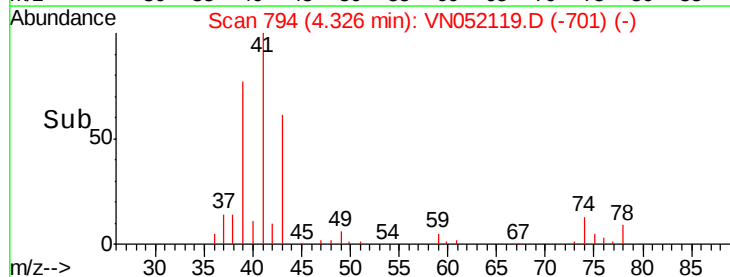
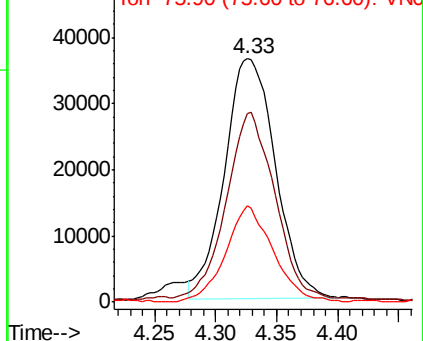
76 37.3 26.0 39.0

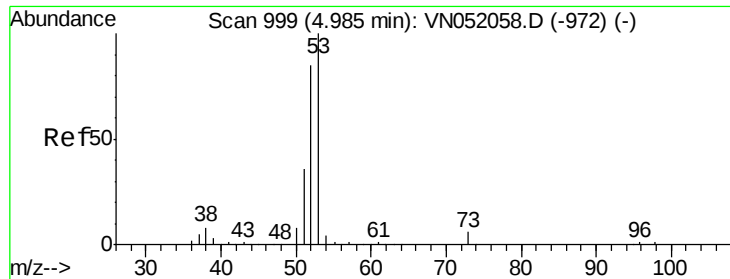


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 95.054 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

Instrument :

MSVOA\_N

ClientSampleId :

VN1102WBSD01

Tot Ion: 53 Resp: 131888

Ion Ratio Lower Upper

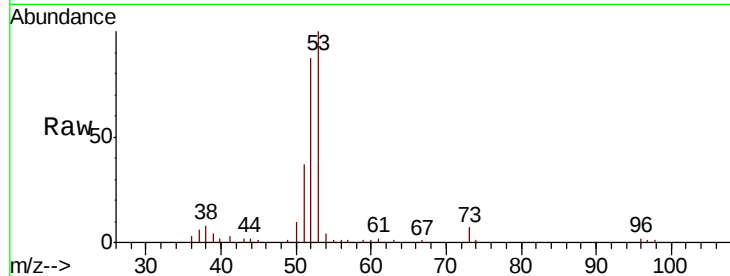
53 100

52 85.9 66.6 100.0

51 37.4 29.0 43.6

Manual Integrations  
APPROVED

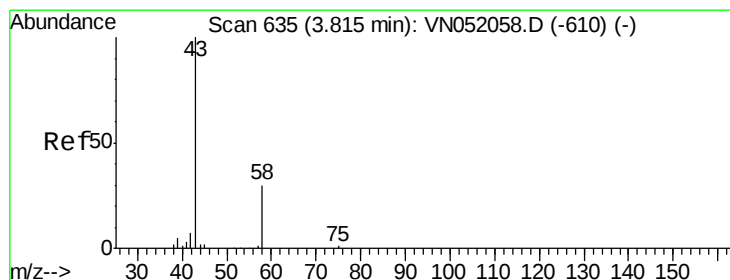
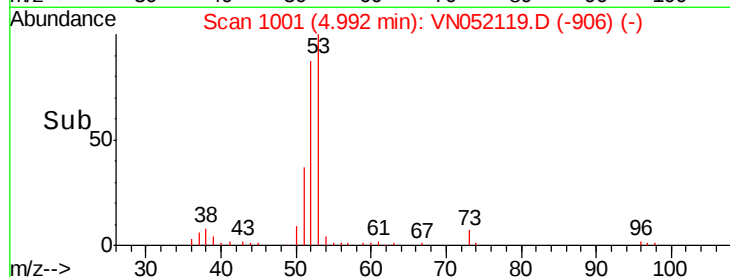
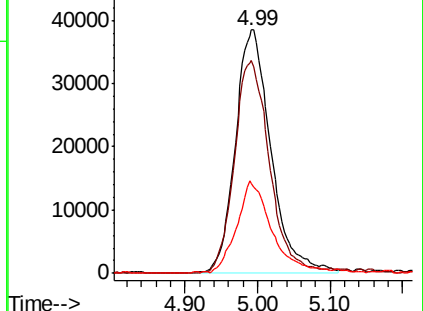
MMDadoda  
11/5/2018 11:52:52 AM



Abundance Ion 53.00 (52.70 to 53.70): VN052119.D (-906) (-)

Ion 52.00 (51.70 to 52.70): VN052119.D (-906) (-)

Ion 51.00 (50.70 to 51.70): VN052119.D (-906) (-)



#16

Acetone

Concen: 96.031 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052119.D

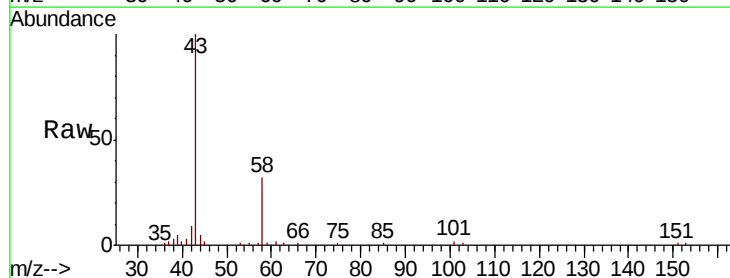
Acq: 2 Nov 2018 10:47

Tgt Ion: 43 Resp: 99349

Ion Ratio Lower Upper

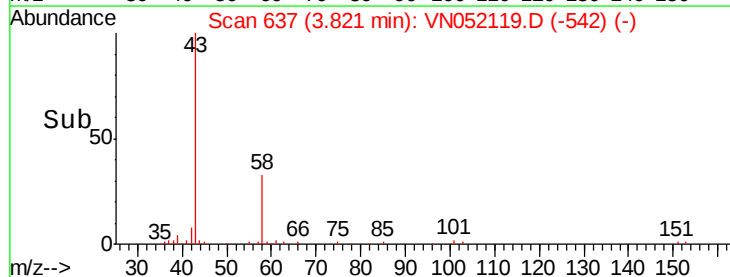
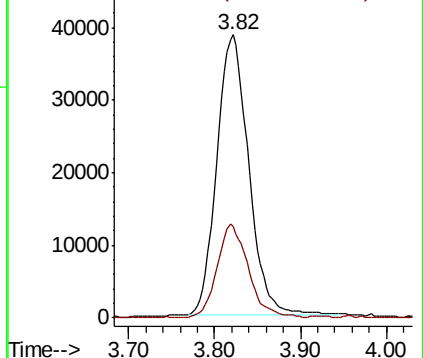
43 100

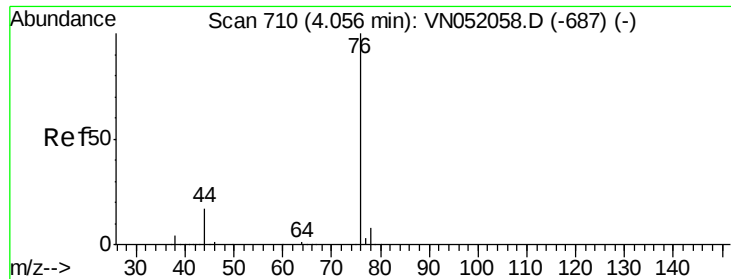
58 32.6 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN052119.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052119.D (-542) (-)





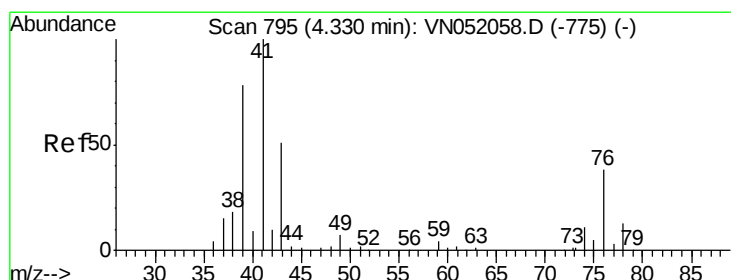
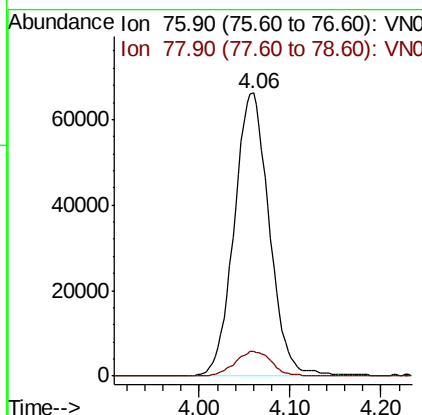
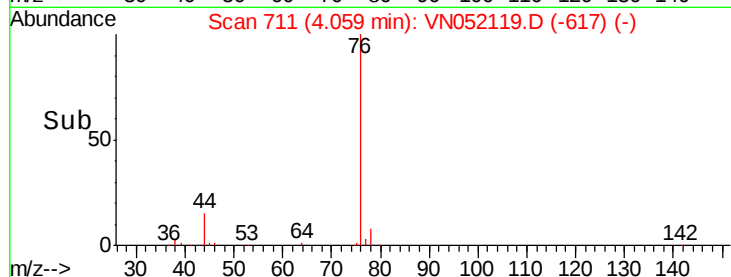
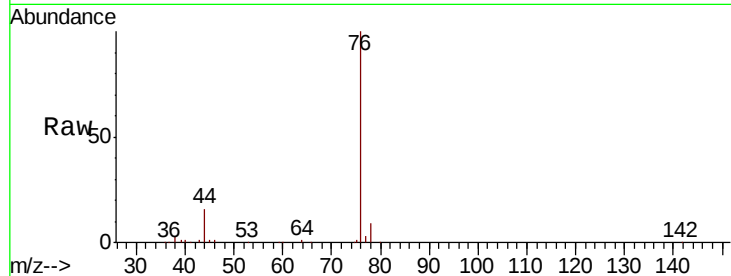
#17  
Carbon Disulfide  
Concen: 17.712 ug/l  
RT: 4.06 min Scan# 711  
Delta R.T. 0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1102WBSD01

Tot Ion: 76 Resp: 176835  
Ion Ratio Lower Upper  
76 100  
78 9.0 6.8 10.2

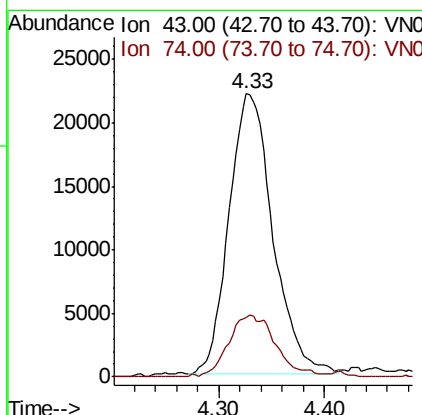
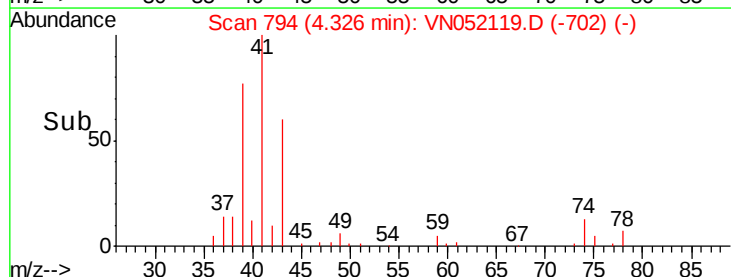
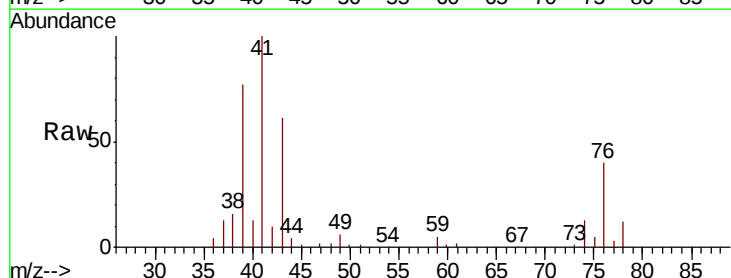
Manual Integrations  
APPROVED

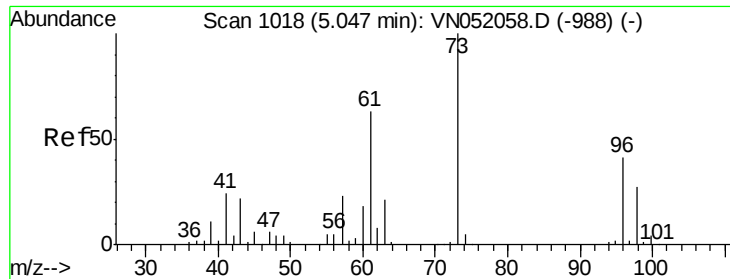
MMDadoda  
11/5/2018 11:52:52 AM



#18  
Methyl Acetate  
Concen: 19.326 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. -0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Tgt Ion: 43 Resp: 63647  
Ion Ratio Lower Upper  
43 100  
74 23.6 17.9 26.9





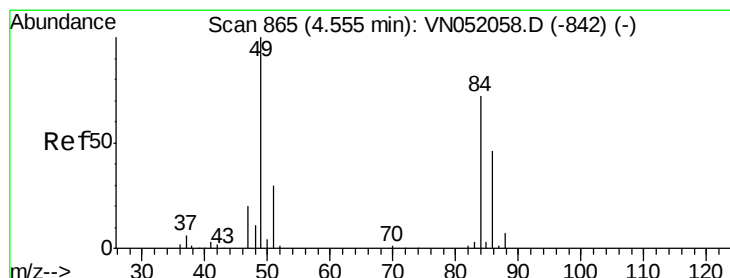
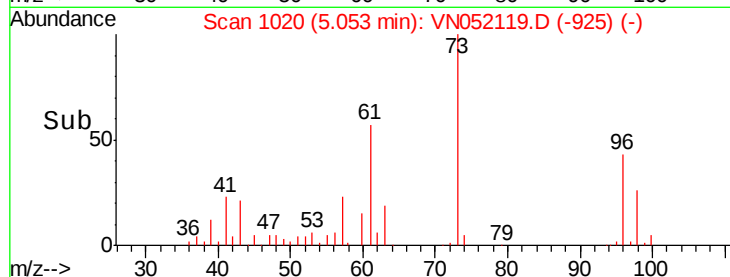
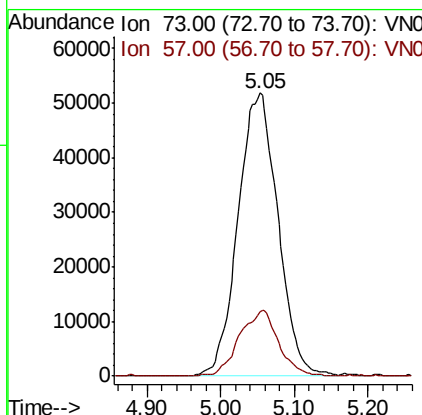
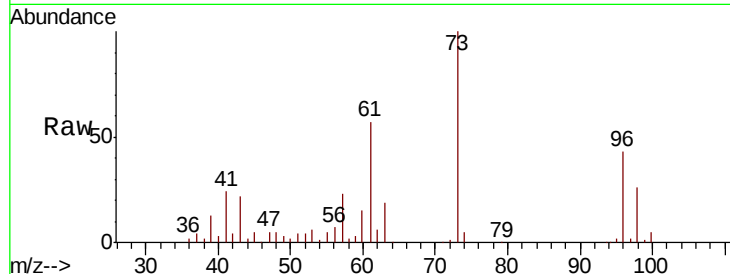
#19  
Methvl tert-butvl Ether  
Concen: 18.791 ug/l  
RT: 5.05 min Scan# 1020  
Delta R.T. 0.01 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1102WBSD01

Tot Ion: 73 Resp: 195564  
Ion Ratio Lower Upper  
73 100  
57 22.6 18.7 28.1

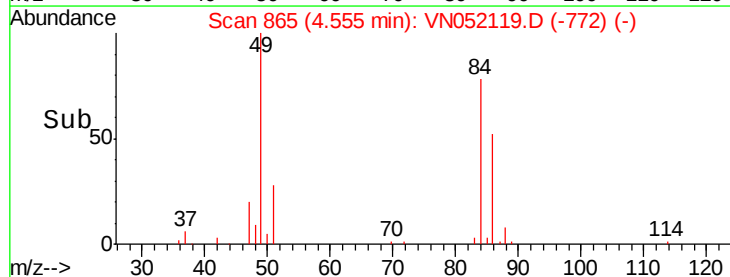
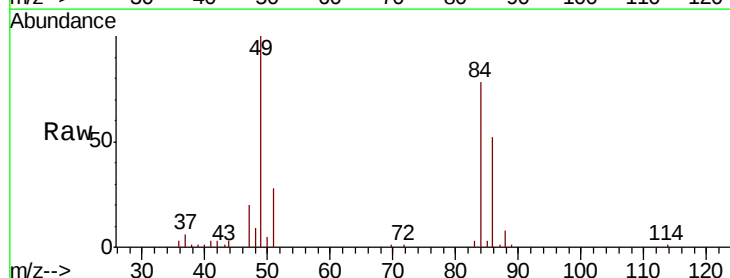
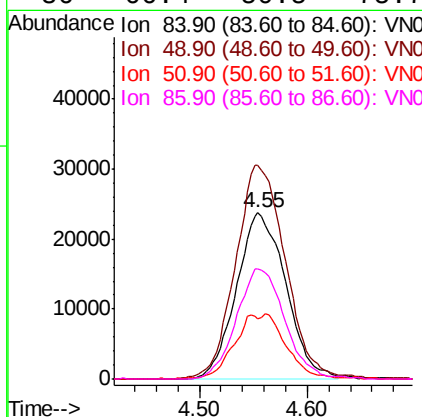
Manual Integrations  
APPROVED

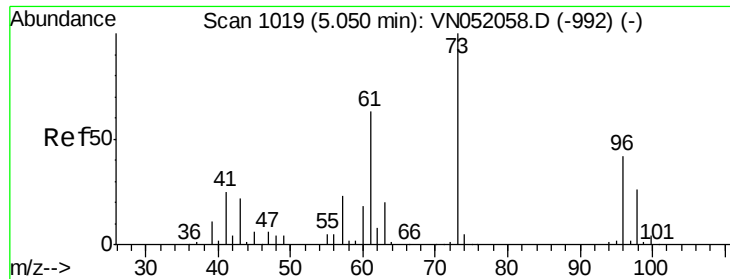
MMDadoda  
11/5/2018 11:52:52 AM



#20  
Methylene Chloride  
Concen: 19.161 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. -0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Tgt Ion: 84 Resp: 75534  
Ion Ratio Lower Upper  
84 100  
49 126.9 110.6 165.8  
51 35.8 33.7 50.5  
86 66.4 50.5 75.7





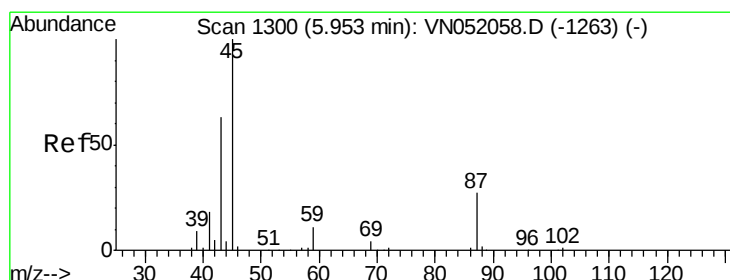
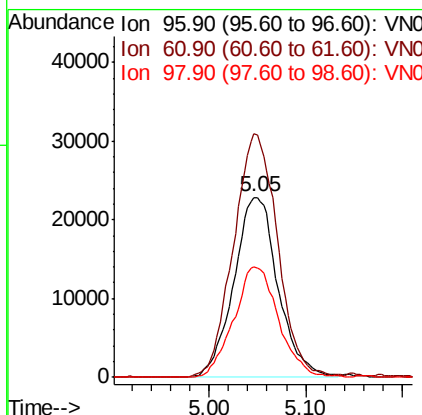
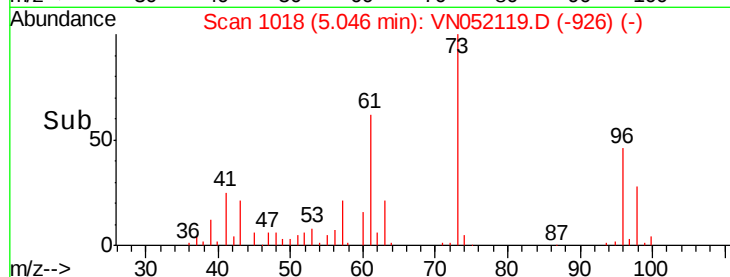
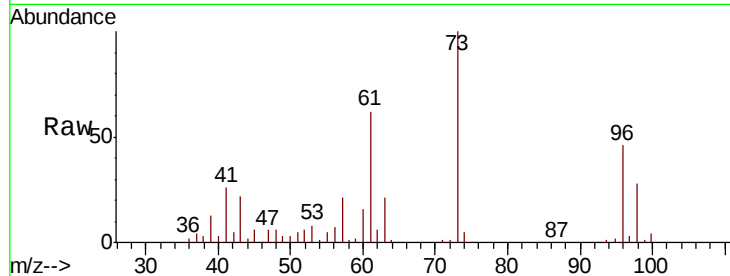
#21  
trans-1,2-Dichloroethene  
Concen: 20.099 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. -0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1102WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 135.3 | 118.6 | 178.0 |
| 98      | 61.2  | 49.7  | 74.5  |

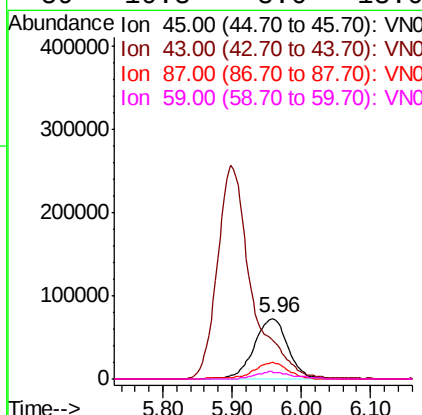
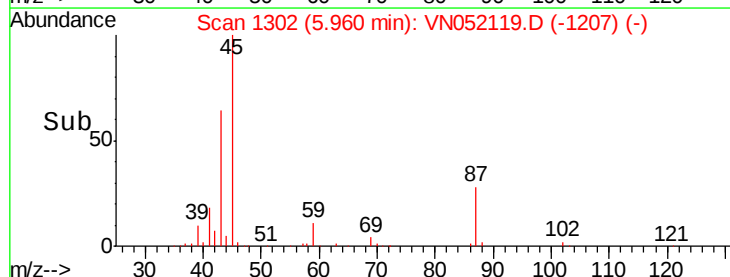
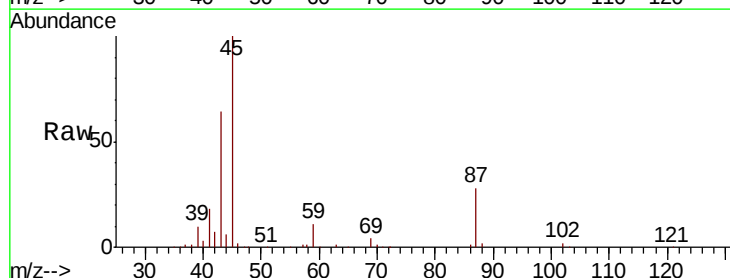
Manual Integrations  
APPROVED

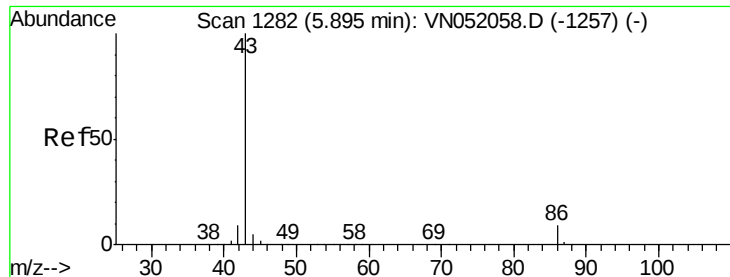
MMDadoda  
11/5/2018 11:52:52 AM



#22  
Diisopropyl ether  
Concen: 17.934 ug/l  
RT: 5.96 min Scan# 1302  
Delta R.T. 0.01 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 63.0  | 50.5  | 75.7  |
| 87      | 27.5  | 21.5  | 32.3  |
| 59      | 10.3  | 8.6   | 13.0  |





#23

Vinyl Acetate

Concen: 93.002 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

Instrument :

MSVOA\_N

ClientSampleId :

VN1102WBSD01

Tot Ion: 43 Resp: 883176

Ion Ratio Lower Upper

43 100

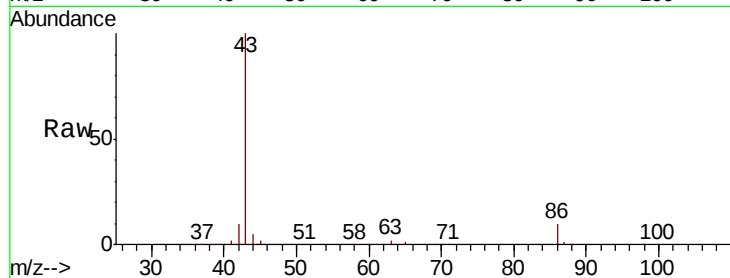
86 9.8 7.3 10.9

Manual Integrations

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MMDadoda

11/5/2018 11:52:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VN052119.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN052119.D (-1189) (-)

5.90

250000

200000

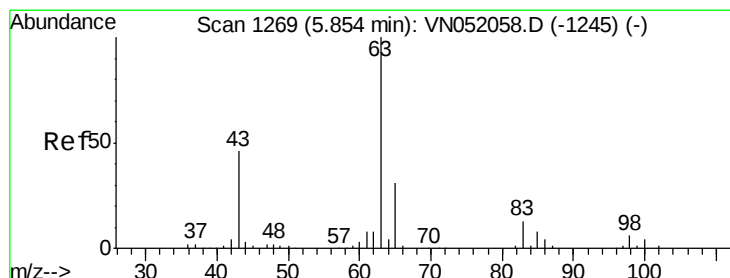
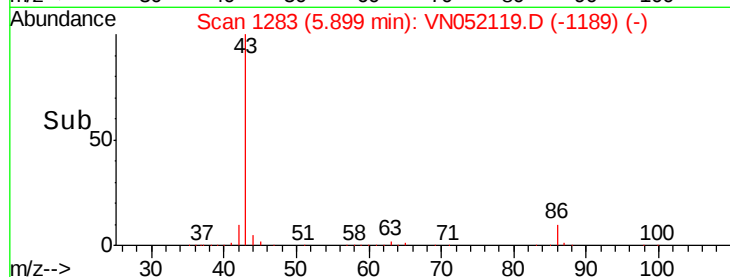
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.391 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

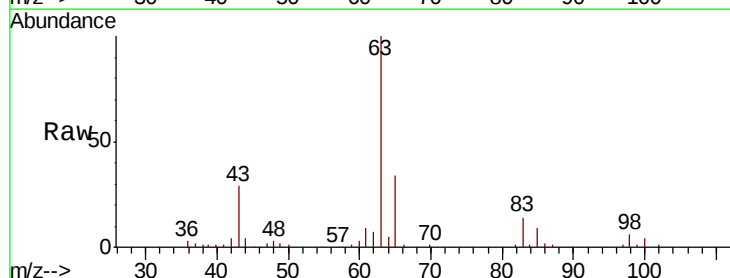
Tgt Ion: 63 Resp: 140944

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN052119.D (-1176) (-)

Ion 97.90 (97.60 to 98.60): VN052119.D (-1176) (-)

Ion 99.90 (99.60 to 100.60): VN052119.D (-1176) (-)

5.85

60000

50000

40000

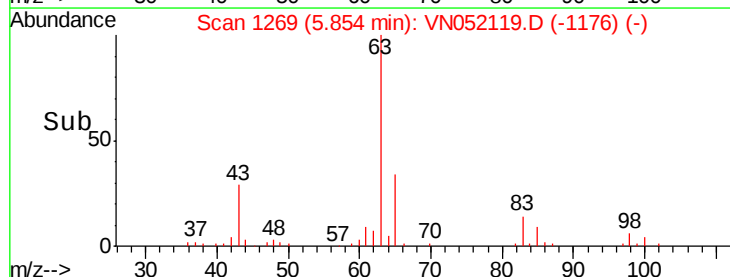
30000

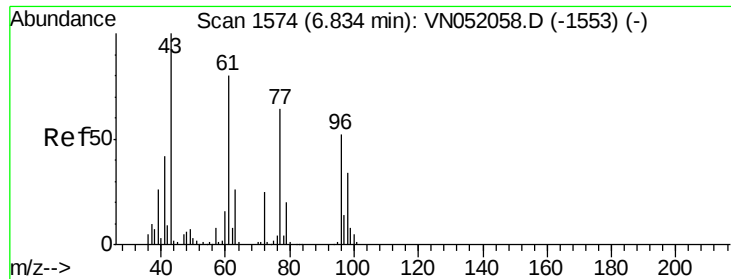
20000

10000

0

Time-->





#25

2-Butanone

Concen: 102.351 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

Instrument :

MSVOA\_N

ClientSampleId :

VN1102WBSD01

Tot Ion: 43 Resp: 166080

Ion Ratio Lower Upper

43 100

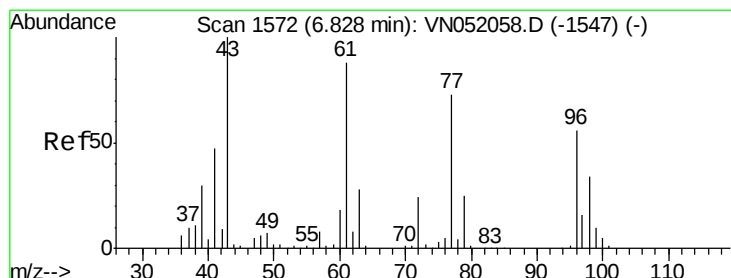
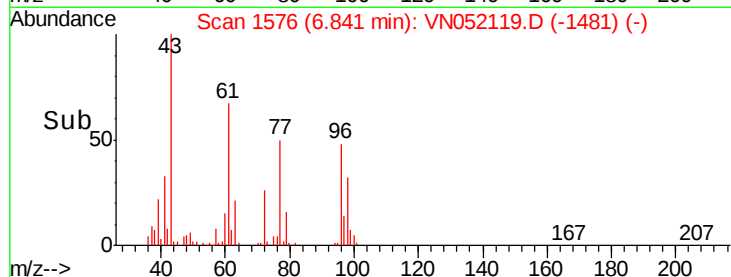
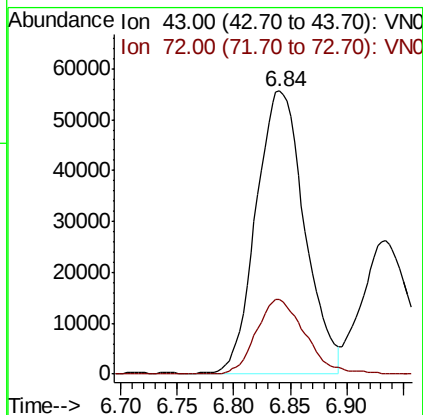
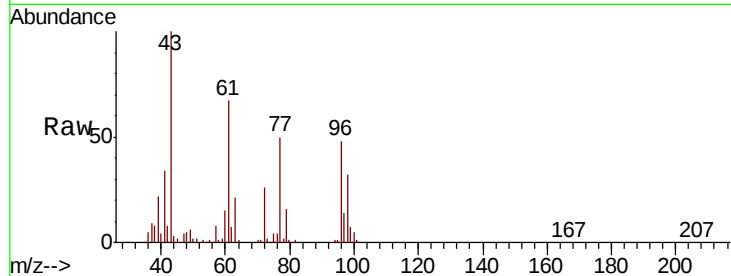
72 26.3 20.2 30.2

Manual Integrations

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11/5/2018 11:52:52 AM



#26

2,2-Dichloropropane

Concen: 17.105 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052119.D

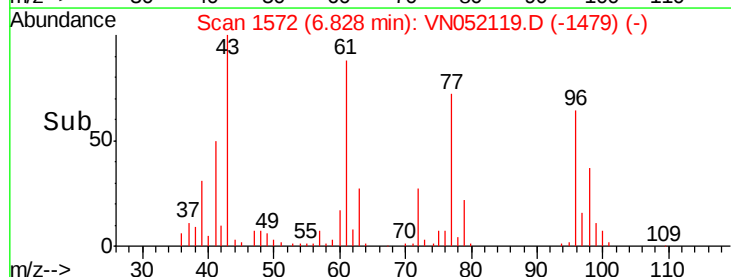
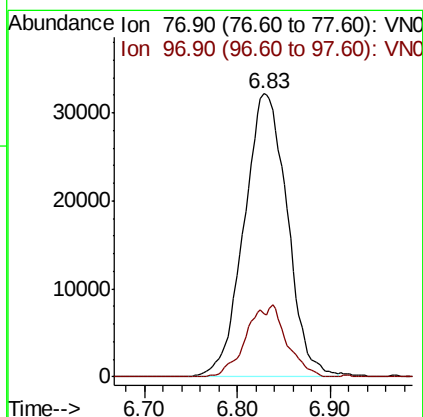
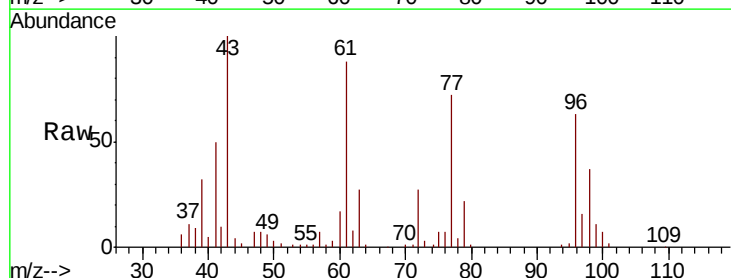
Acq: 2 Nov 2018 10:47

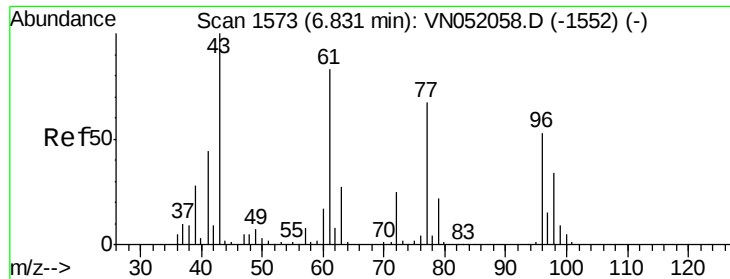
Tgt Ion: 77 Resp: 104110

Ion Ratio Lower Upper

77 100

97 12.6 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 19.534 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

Instrument :

MSVOA\_N

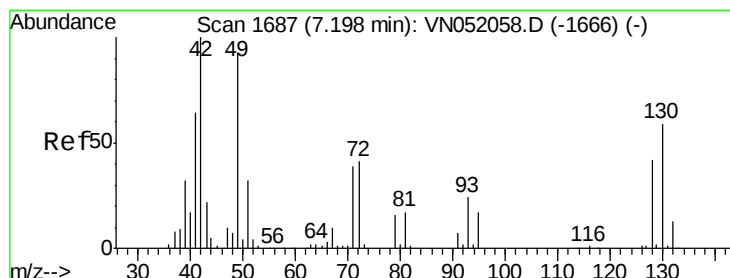
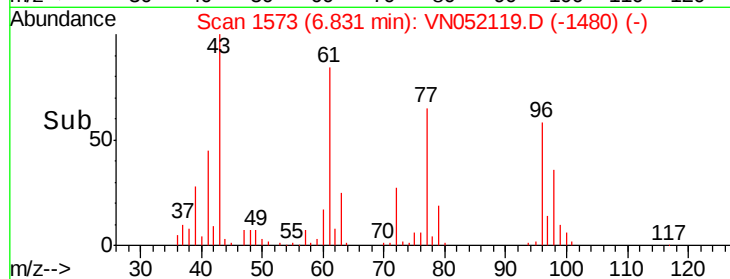
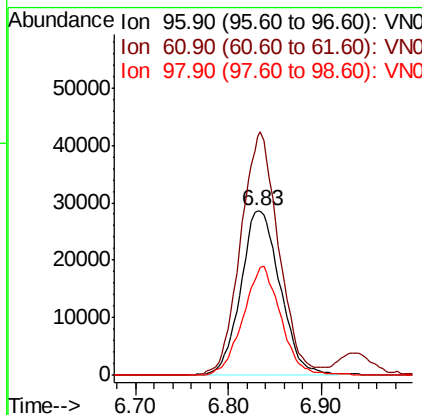
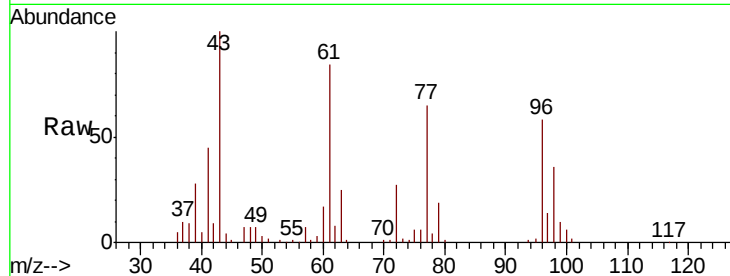
ClientSampled :

VN1102WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 84281 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 142.4 | 0.0   | 312.8 |
| 98       | 63.2  | 0.0   | 127.0 |

Manual Integrations  
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11/5/2018 11:52:52 AM



#28

Bromochloromethane

Concen: 16.373 ug/l

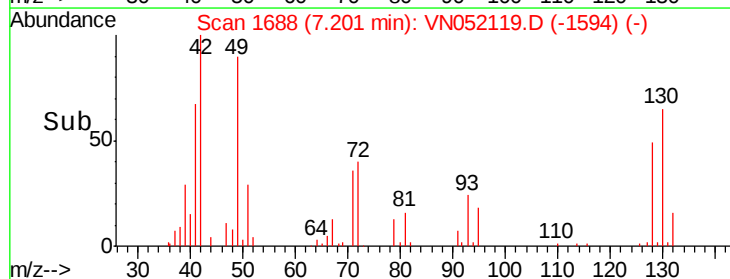
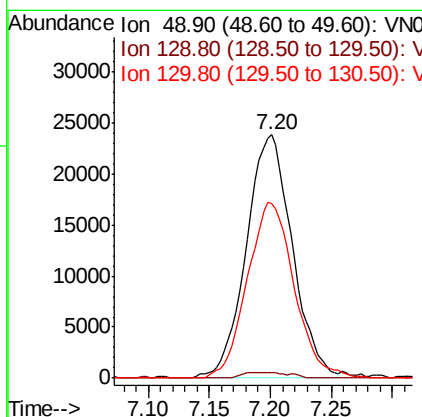
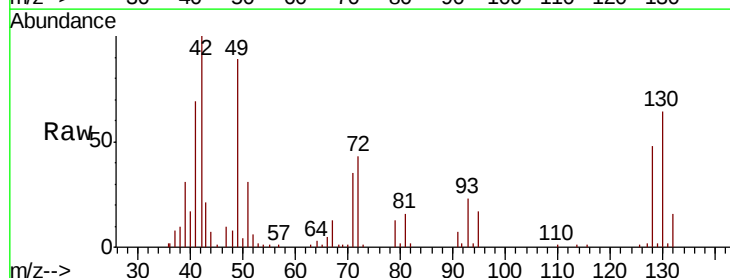
RT: 7.20 min Scan# 1688

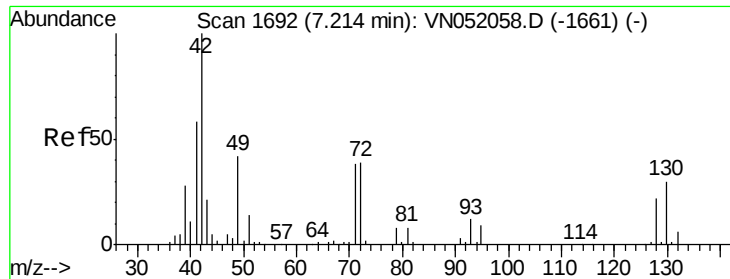
Delta R.T. 0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 62185 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.9   | 0.0   | 2.4   |
| 130      | 73.9  | 50.8  | 76.2  |





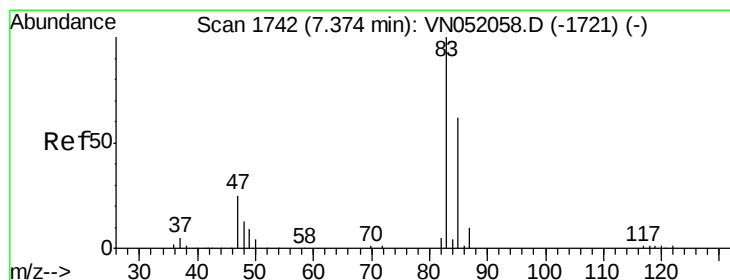
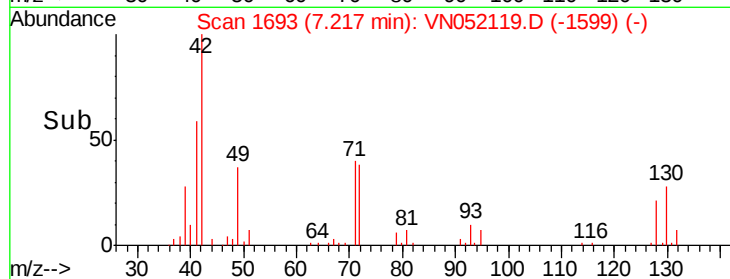
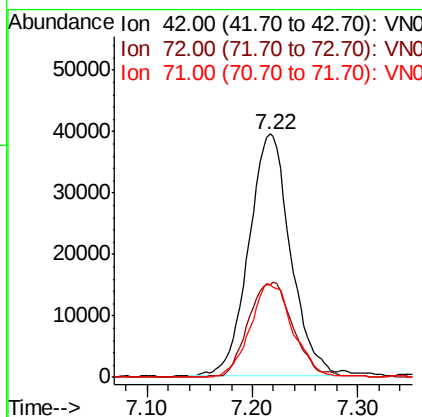
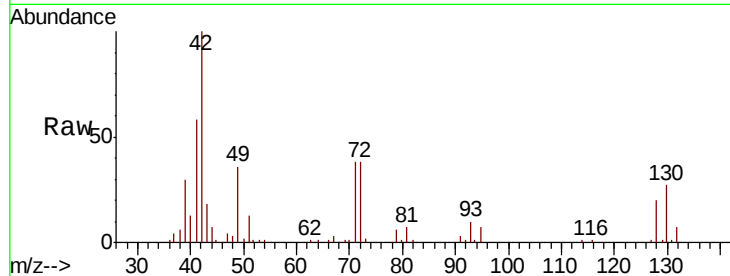
#29  
Tetrahydrofuran  
Concen: 100.456 ug/l  
RT: 7.22 min Scan# 1693  
Delta R.T. 0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1102WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 42.1  | 32.5  | 48.7  |
| 71      | 39.6  | 30.6  | 46.0  |

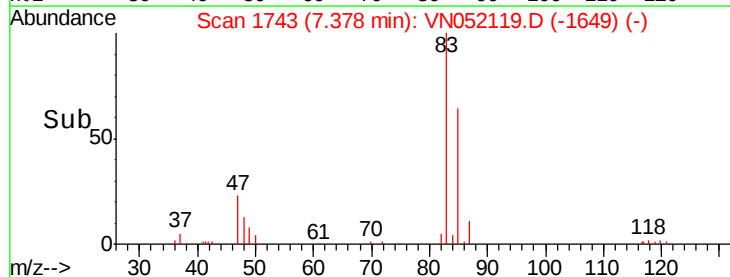
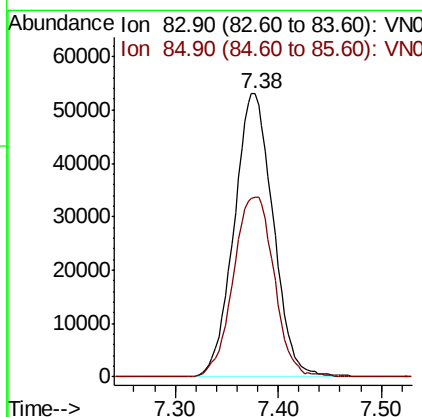
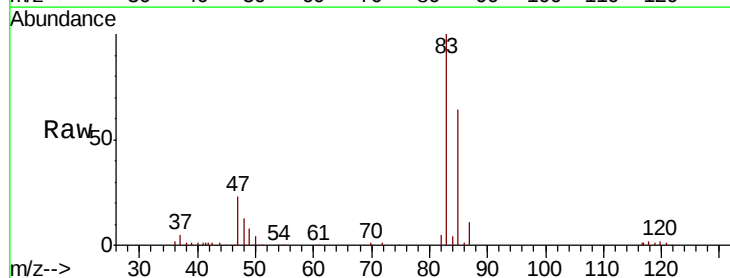
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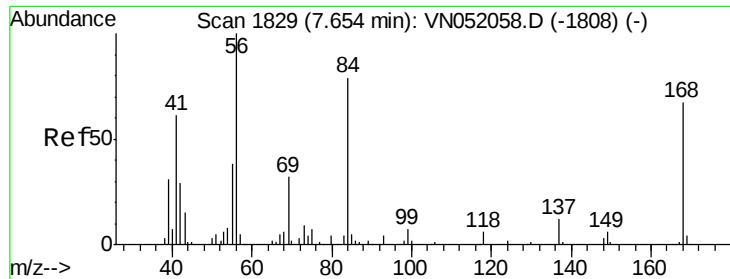
MMDadoda  
11/5/2018 11:52:52 AM



#30  
Chloroform  
Concen: 18.221 ug/l  
RT: 7.38 min Scan# 1743  
Delta R.T. 0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.7  | 49.6  | 74.4  |





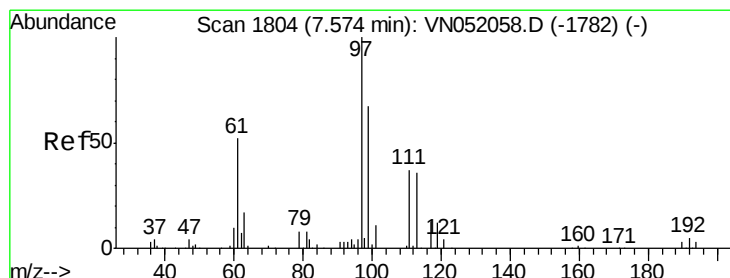
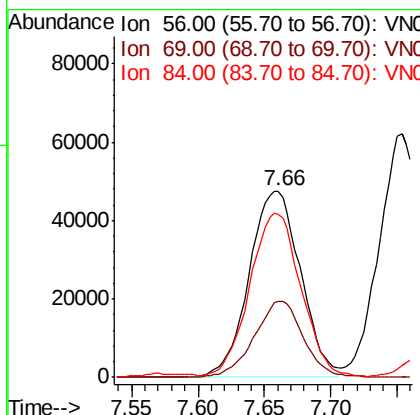
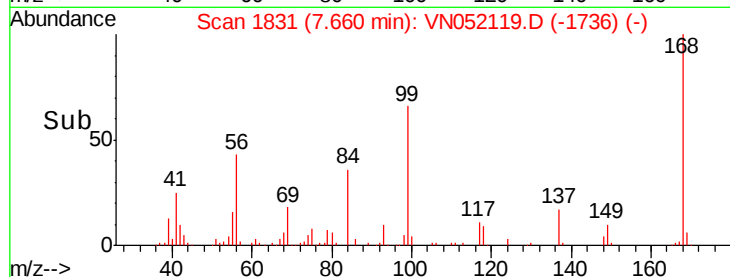
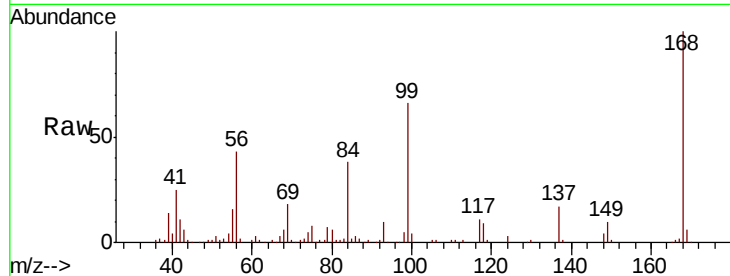
#31  
Cyclohexane  
Concen: 16.107 ug/l  
RT: 7.66 min Scan# 1831  
Delta R.T. 0.01 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Instrument :  
MSVOA\_N  
ClientSampled :  
VN1102WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 41.1  | 25.8  | 38.6# |
| 84      | 85.8  | 63.5  | 95.3  |

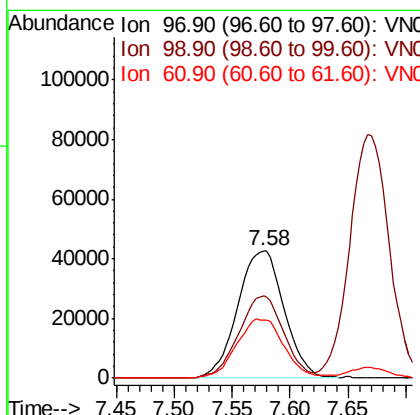
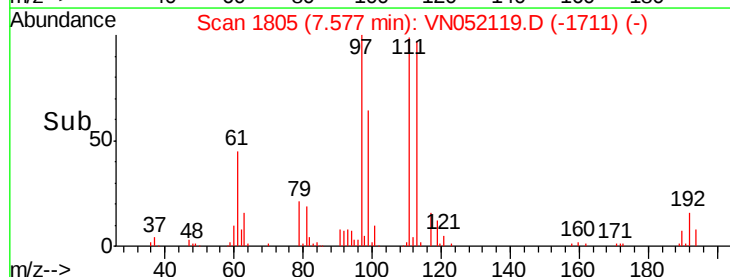
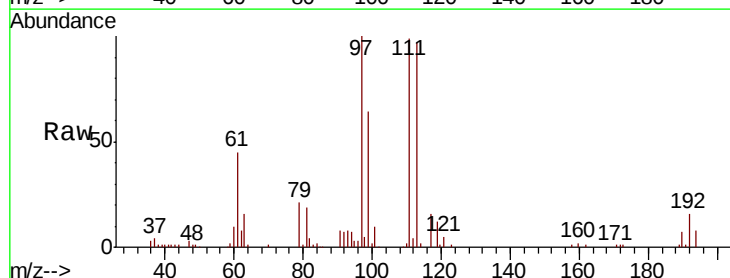
Manual Integrations  
APPROVED

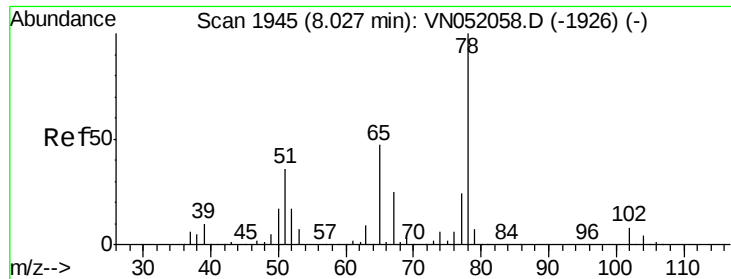
MMDadoda  
11/5/2018 11:52:52 AM



#32  
1,1,1-Trichloroethane  
Concen: 19.286 ug/l  
RT: 7.58 min Scan# 1805  
Delta R.T. 0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 62.5  | 51.4  | 77.2  |
| 61      | 47.1  | 40.3  | 60.5  |





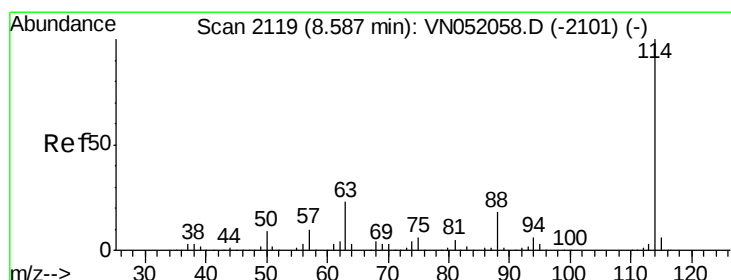
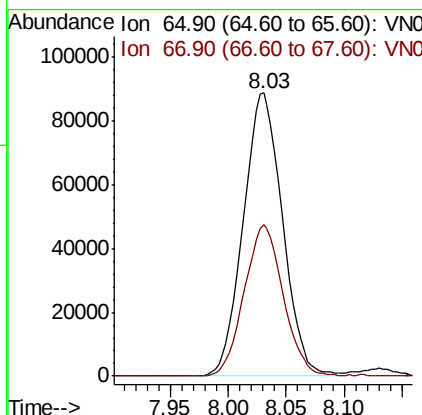
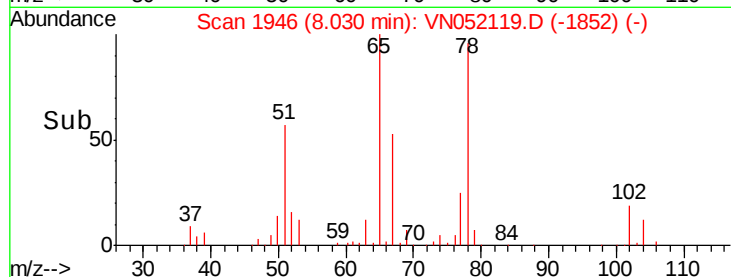
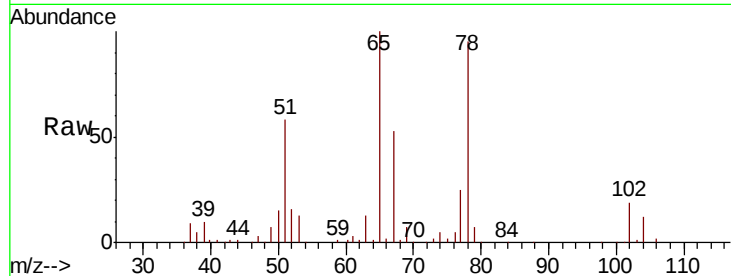
#33  
 1,2-Dichloroethane-d4  
 Concen: 19.286 ug/l  
 RT: 8.03 min Scan# 1946  
 Delta R.T. 0.00 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1102WBSD01

Tot Ion: 65 Resp: 209406  
 Ion Ratio Lower Upper  
 65 100  
 67 53.1 0.0 105.2

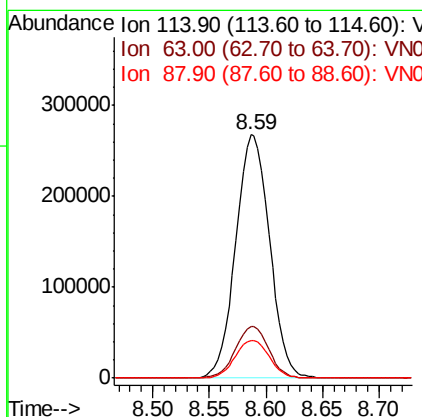
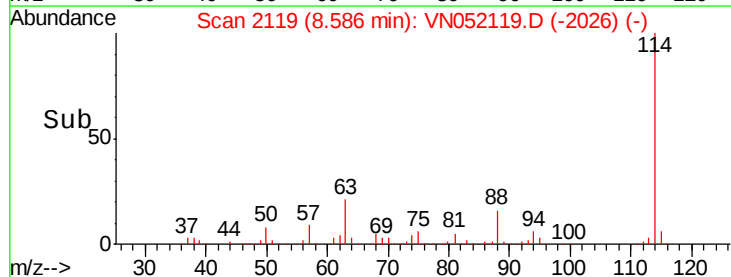
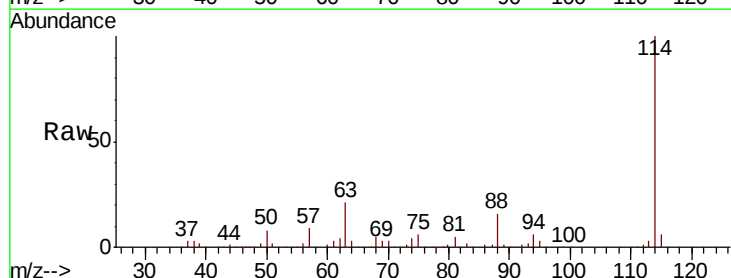
Manual Integrations  
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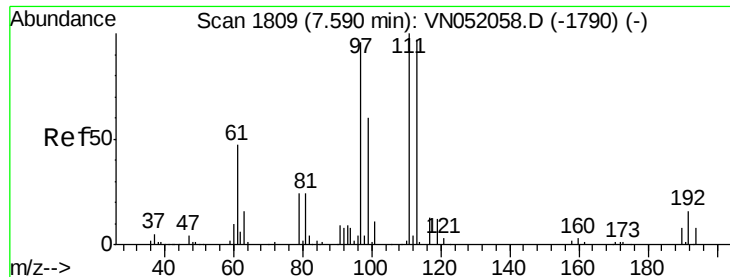
MMDadoda  
 11/5/2018 11:52:52 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

Tgt Ion: 114 Resp: 559618  
 Ion Ratio Lower Upper  
 114 100  
 63 21.2 0.0 46.0  
 88 15.7 0.0 35.4





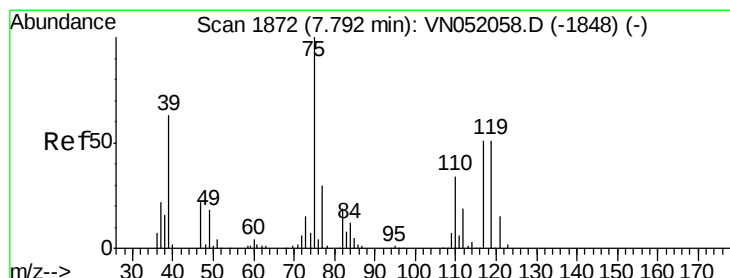
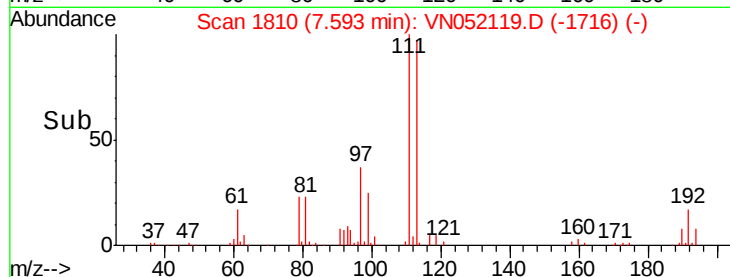
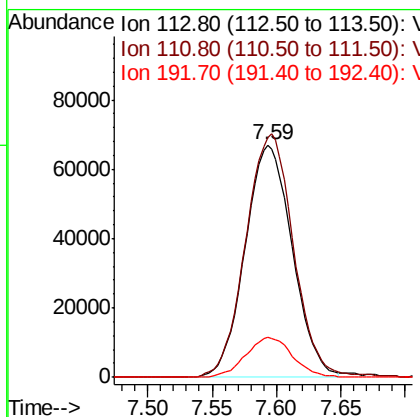
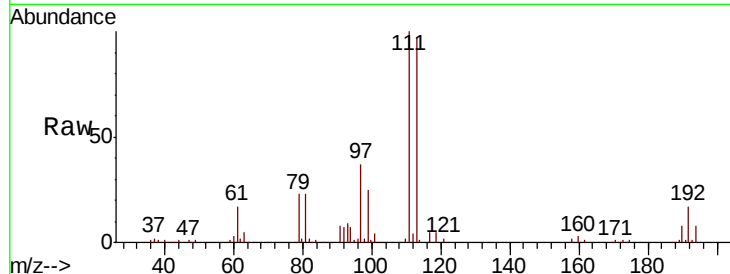
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1102WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 170901 |       |       |
| 111     | 105.8 | 83.1   | 124.7 |       |
| 192     | 17.1  | 12.7   | 19.1  |       |

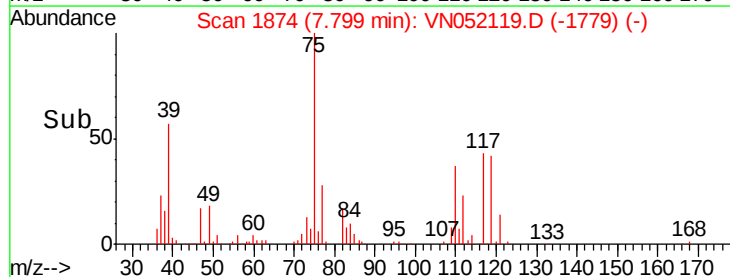
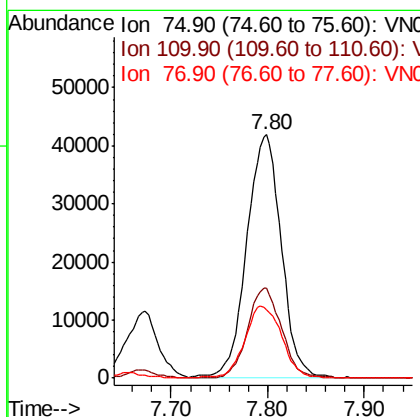
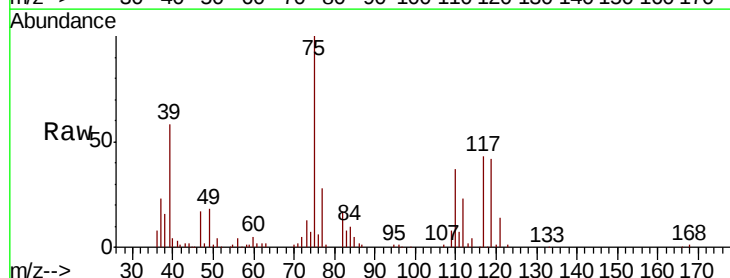
Manual Integrations  
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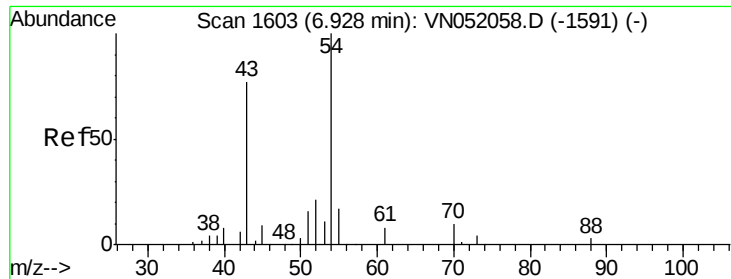
MMDadoda  
 11/5/2018 11:52:52 AM



#36  
 1,1-Dichloropropene  
 Concen: 18.329 ug/l  
 RT: 7.80 min Scan# 1874  
 Delta R.T. 0.01 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 104297 |       |       |
| 110     | 36.1  | 16.0   | 48.0  |       |
| 77      | 31.1  | 24.5   | 36.7  |       |





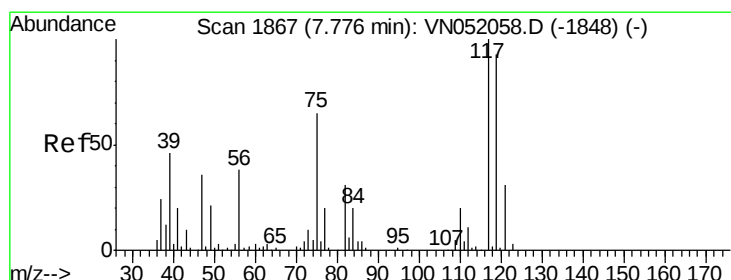
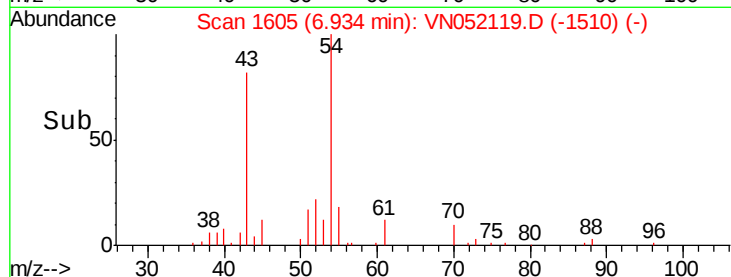
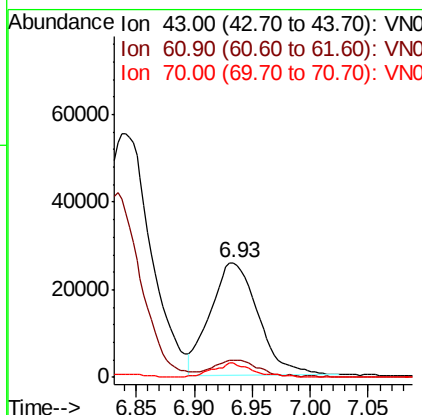
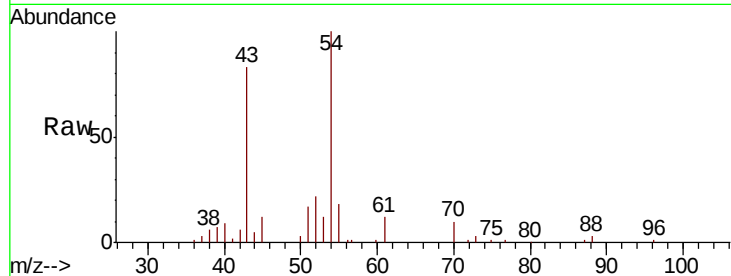
#37  
Ethyl Acetate  
Concen: 19.409 ug/l  
RT: 6.93 min Scan# 1605  
Delta R.T. 0.01 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1102WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.1  | 10.9  | 16.3  |
| 70      | 10.7  | 8.6   | 12.8  |

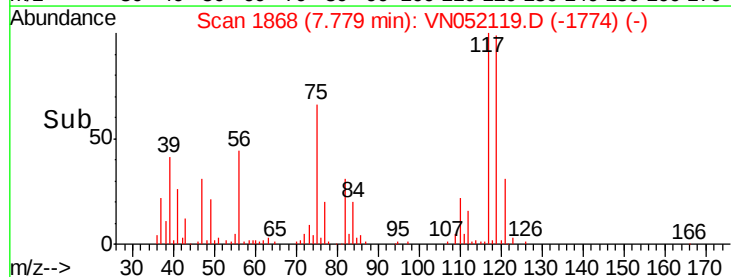
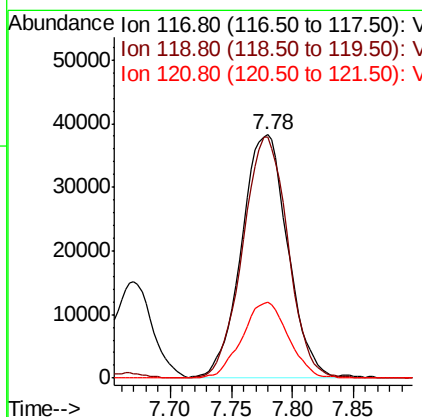
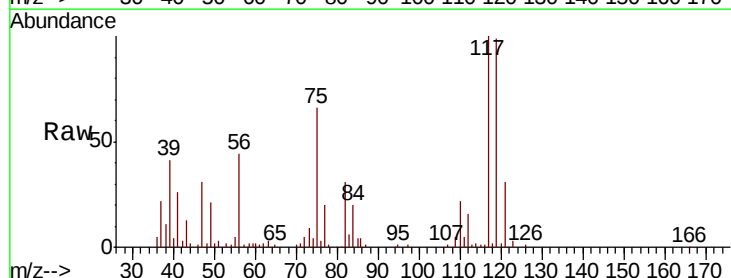
Manual Integrations  
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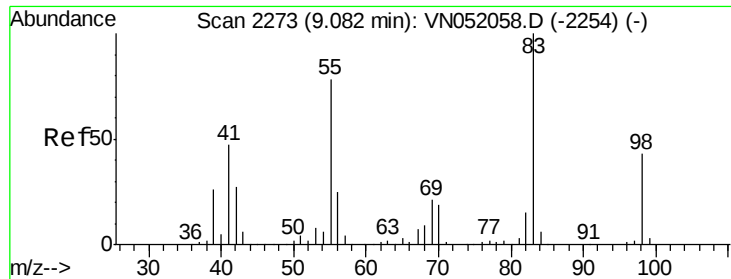
MMDadoda  
11/5/2018 11:52:52 AM



#38  
Carbon Tetrachloride  
Concen: 20.474 ug/l  
RT: 7.78 min Scan# 1868  
Delta R.T. 0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 98.9  | 74.8  | 112.2 |
| 121     | 31.1  | 25.1  | 37.7  |





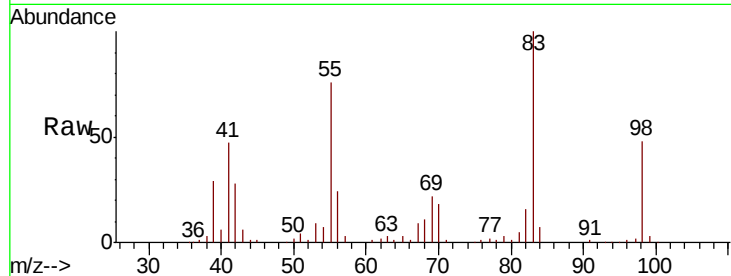
#39  
Methvlcvclohexane  
Concen: 17.971 ug/l  
RT: 9.08 min Scan# 2274  
Delta R.T. 0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Instrument :  
MSVOA\_N  
ClientSampled :  
VN1102WBSD01

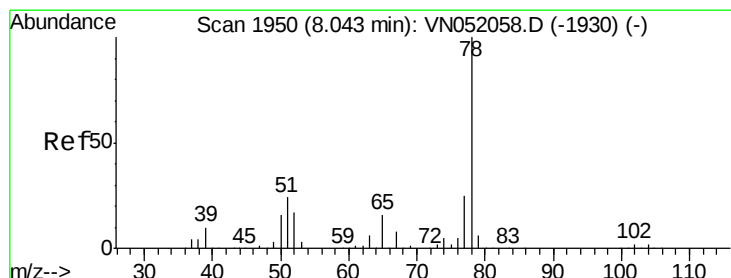
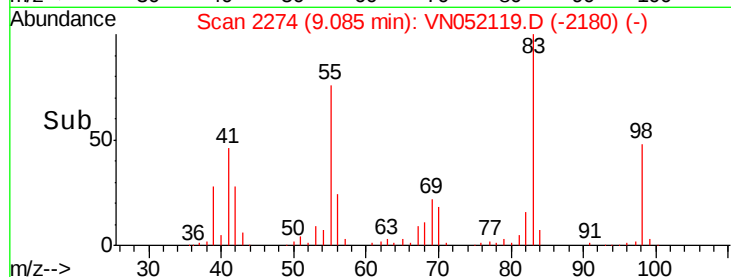
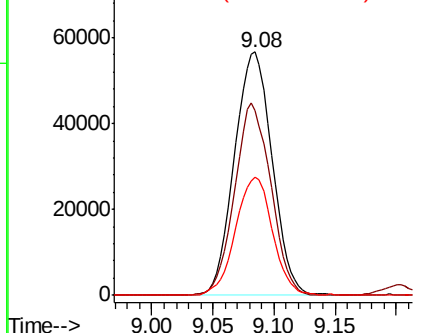
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 75.7  | 62.0  | 93.0  |
| 98      | 48.3  | 34.7  | 52.1  |

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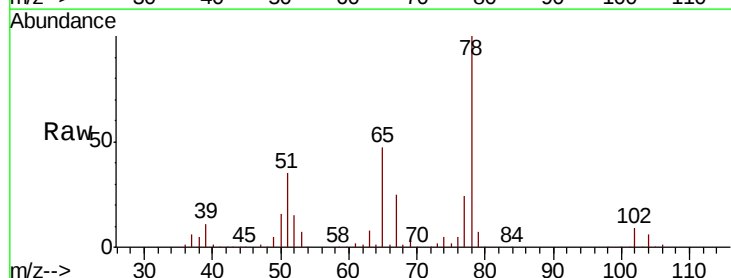


Abundance Ion 83.00 (82.70 to 83.70): VNO  
Ion 55.00 (54.70 to 55.70): VNO  
Ion 98.00 (97.70 to 98.70): VNO

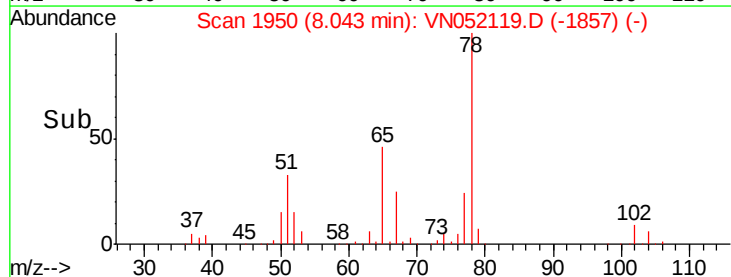
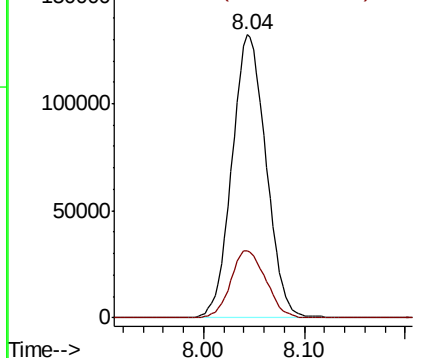


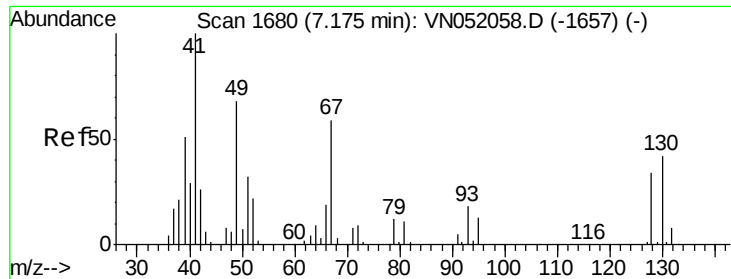
#40  
Benzene  
Concen: 18.830 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. -0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.9  | 19.8  | 29.6  |



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





#41

Methacrylonitrile

Concen: 20.199 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

Instrument :

MSVOA\_N

ClientSampleId :

VN1102WBSD01

Tot Ion: 41 Resp: 39531

Ion Ratio Lower Upper

41 100

39 72.6 33.2 49.8#

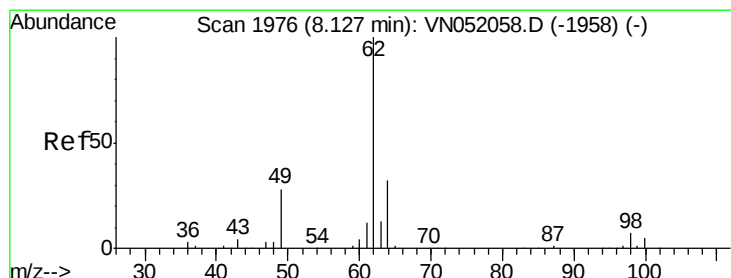
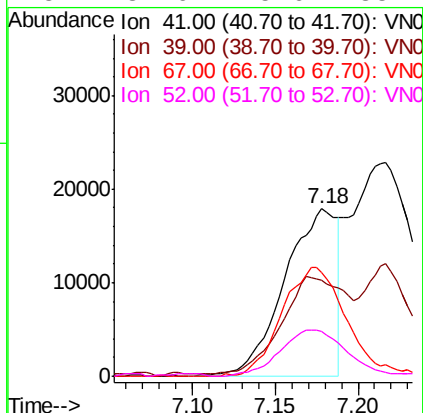
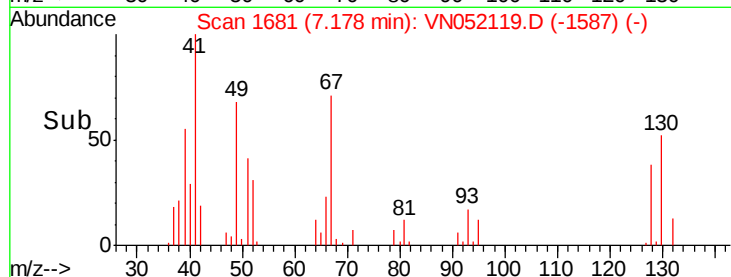
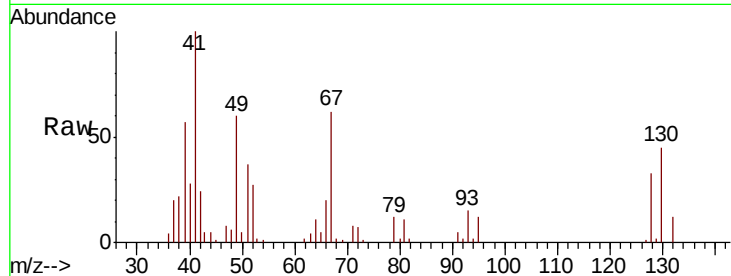
67 80.0 63.5 95.3

52 34.6 25.6 38.4

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#42

1,2-Dichloroethane

Concen: 17.327 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN052119.D

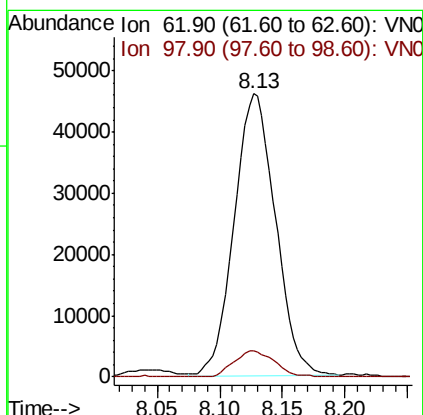
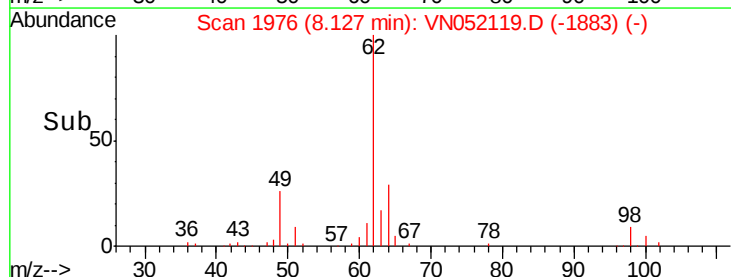
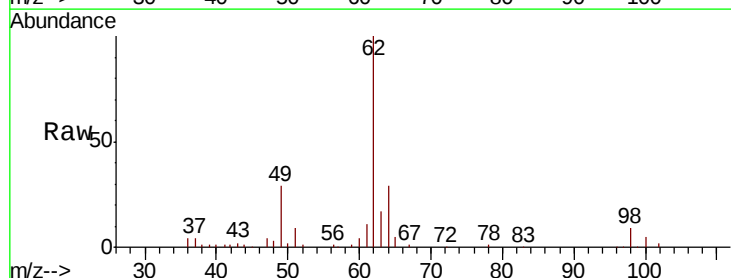
Acq: 2 Nov 2018 10:47

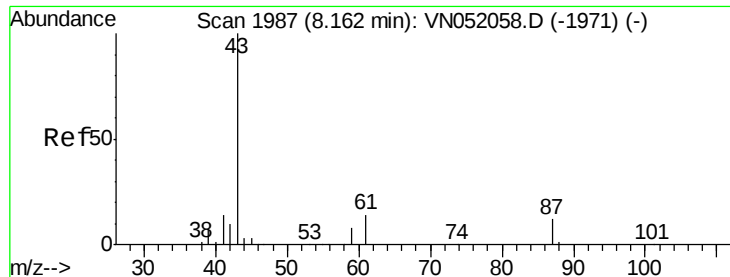
Tgt Ion: 62 Resp: 105243

Ion Ratio Lower Upper

62 100

98 9.1 0.0 15.2





#43

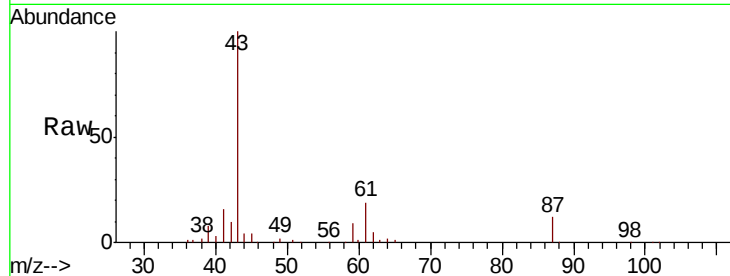
Isopropyl Acetate  
 Concen: 19.363 ug/l  
 RT: 8.17 min Scan# 1988  
 Delta R.T. 0.00 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1102WBSD01

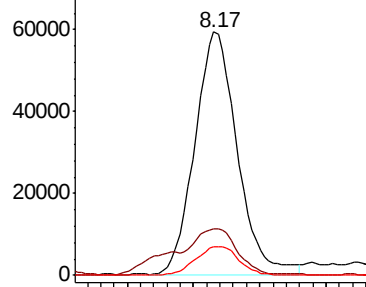
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.5  | 15.4  | 23.0  |
| 87      | 12.2  | 9.8   | 14.8  |

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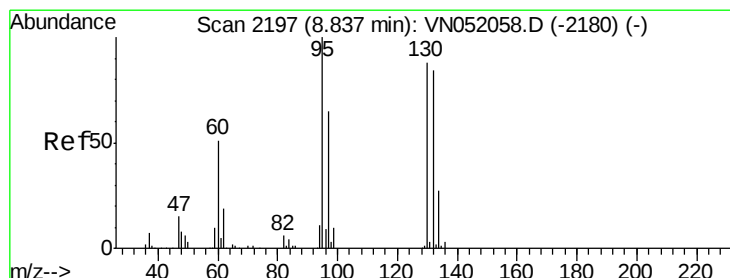
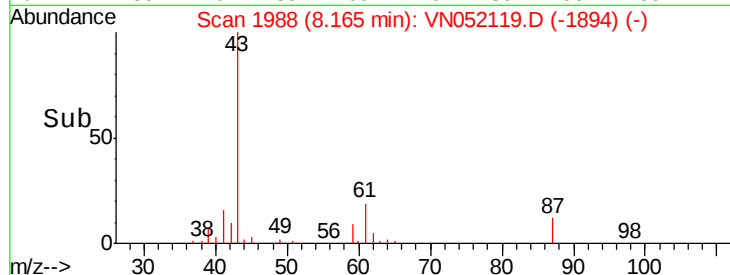
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Abundance Ion 43.00 (42.70 to 43.70): VN052119.D (-1894) (-)  
 Ion 61.00 (60.70 to 61.70): VN052119.D (-1894) (-)  
 Ion 87.00 (86.70 to 87.70): VN052119.D (-1894) (-)



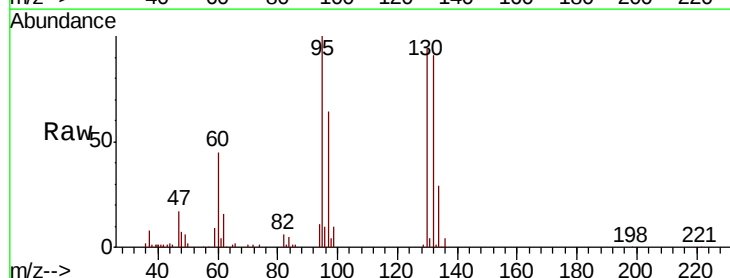
Time-->



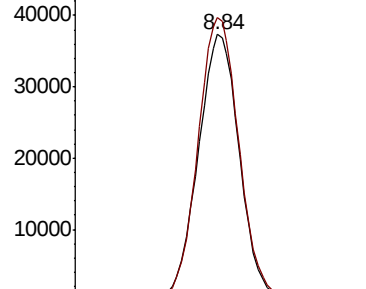
#44

Trichloroethene  
 Concen: 20.980 ug/l  
 RT: 8.84 min Scan# 2197  
 Delta R.T. -0.00 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

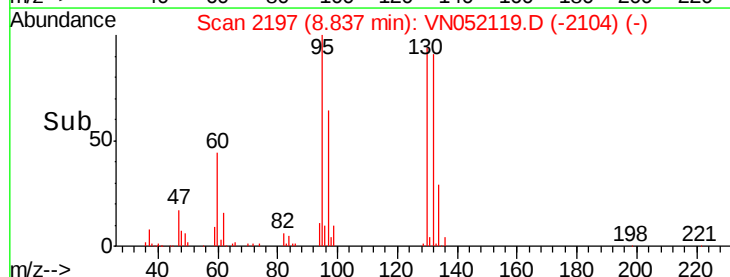
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 106.3 | 0.0   | 228.4 |

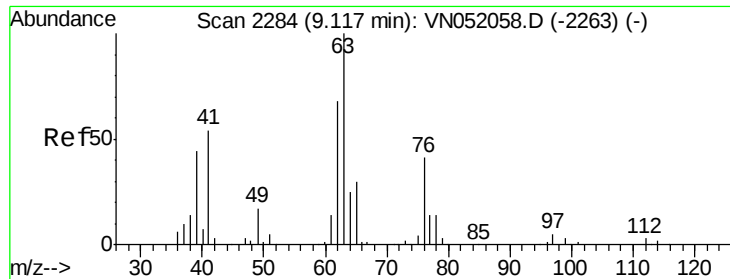


Abundance Ion 129.80 (129.50 to 130.50): VN052119.D (-2104) (-)  
 Ion 94.90 (94.60 to 95.60): VN052119.D (-2104) (-)



Time-->





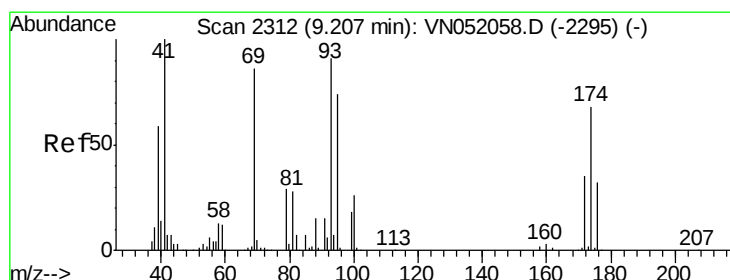
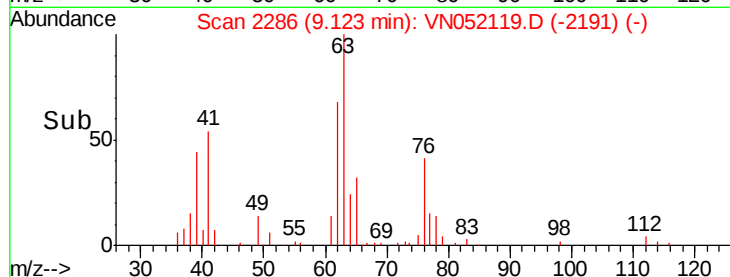
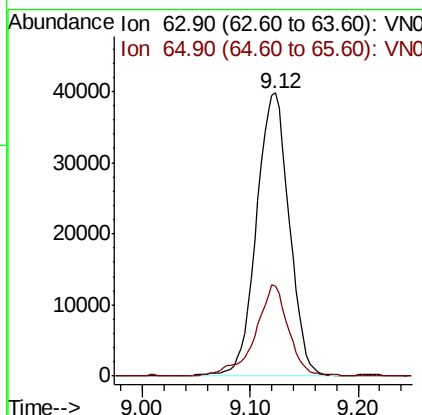
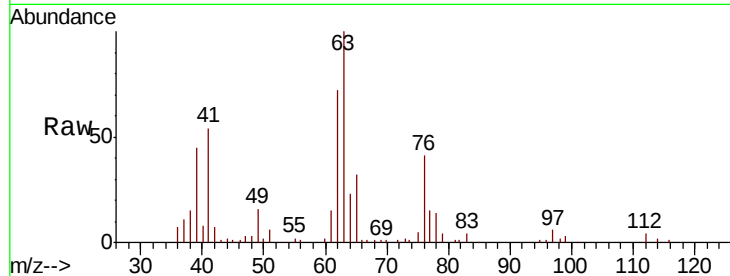
#45  
 1,2-Dichloropropane  
 Concen: 17.925 ug/l  
 RT: 9.12 min Scan# 2286  
 Delta R.T. 0.01 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1102WBSD01

Tot Ion: 63 Resp: 84041  
 Ion Ratio Lower Upper  
 63 100  
 65 31.9 24.5 36.7

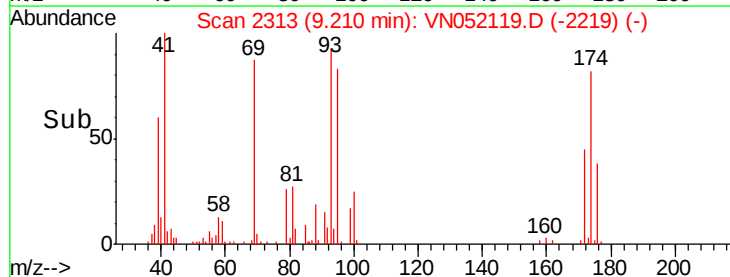
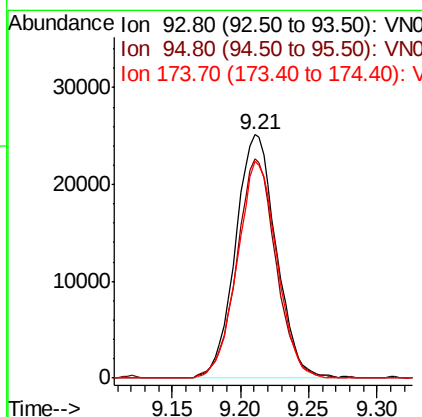
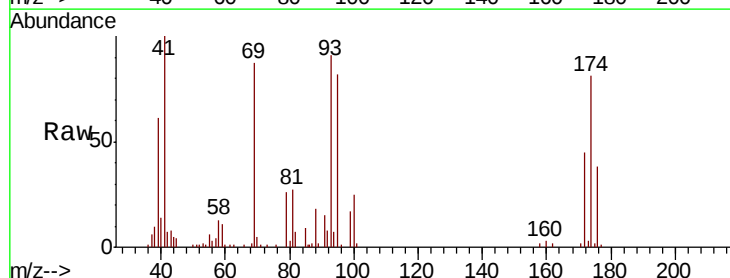
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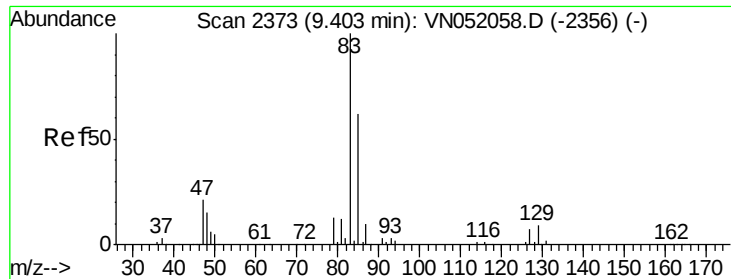
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 11/5/2018 11:52:52 AM



#46  
 Dibromomethane  
 Concen: 19.857 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. 0.00 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

Tgt Ion: 93 Resp: 52034  
 Ion Ratio Lower Upper  
 93 100  
 95 86.9 67.2 100.8  
 174 86.7 59.7 89.5





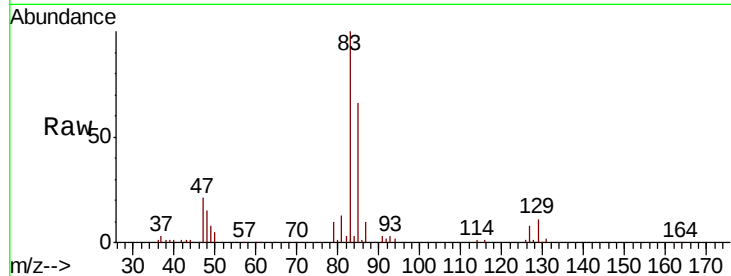
#47  
Bromodichloromethane  
Concen: 18.965 ug/l  
RT: 9.40 min Scan# 2373  
Delta R.T. -0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Instrument :  
MSVOA\_N  
ClientSampled :  
VN1102WBSD01

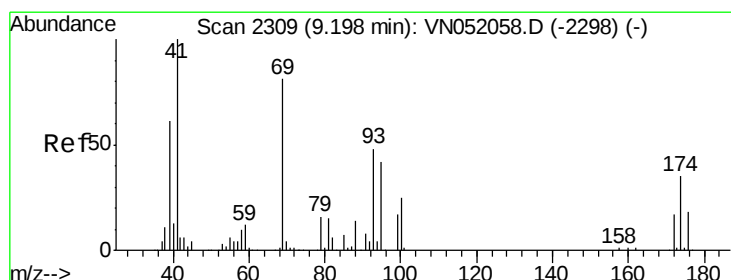
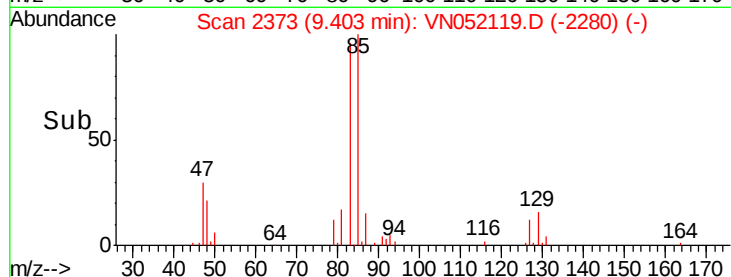
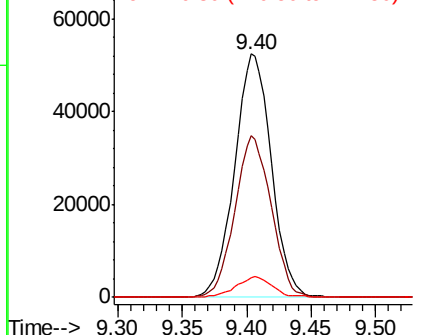
| Tot Ion   | 83   | Resp  | 103650 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 66.2 | 49.4  | 74.2   |
| 127       | 7.8  | 5.8   | 8.8    |

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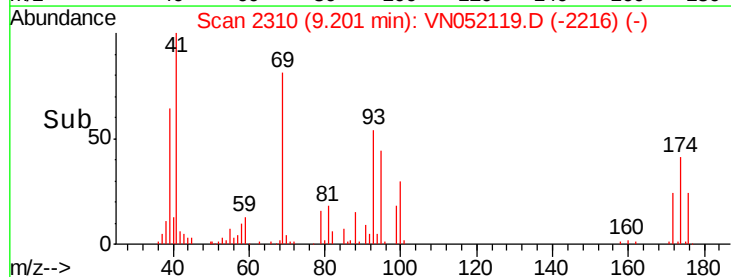
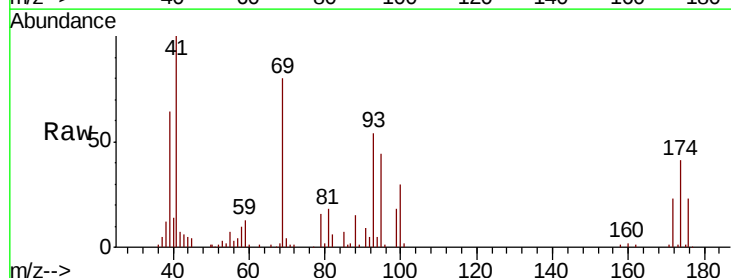
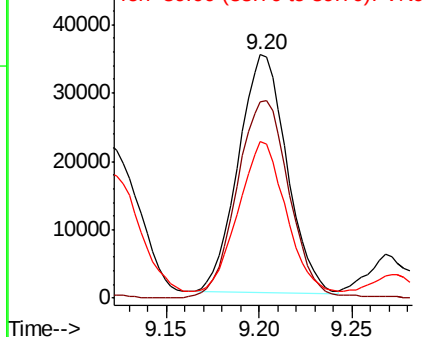
Abundance Ion 82.90 (82.60 to 83.60): VN052119.D (-2280) (-)  
Ion 84.90 (84.60 to 85.60): VN052119.D (-2280) (-)  
Ion 126.80 (126.50 to 127.50): VN052119.D (-2280) (-)

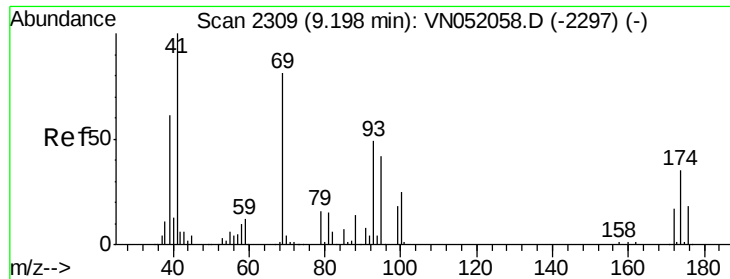


#48  
Methyl methacrylate  
Concen: 18.566 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

| Tgt Ion   | 41   | Resp  | 63763 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 69        | 88.7 | 67.1  | 100.7 |
| 39        | 65.4 | 50.5  | 75.7  |

Abundance Ion 41.00 (40.70 to 41.70): VN052119.D (-2216) (-)  
Ion 69.00 (68.70 to 69.70): VN052119.D (-2216) (-)  
Ion 39.00 (38.70 to 39.70): VN052119.D (-2216) (-)





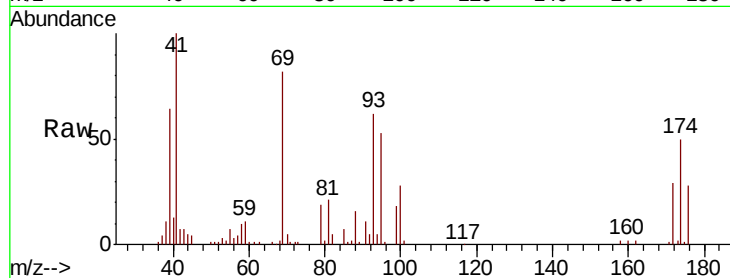
#49  
1,4-Dioxane  
Concen: 419.226 ug/l  
RT: 9.20 min Scan# 2311  
Delta R.T. 0.01 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1102WBSD01

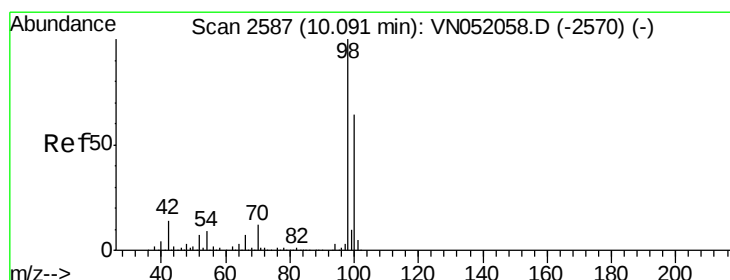
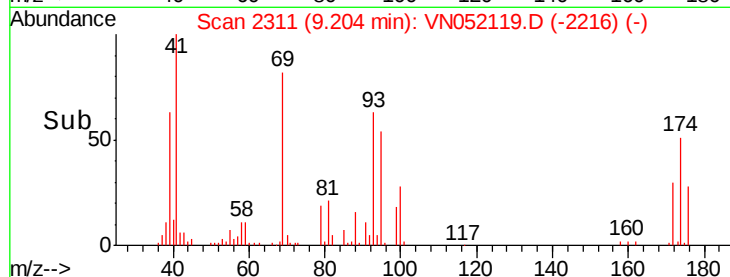
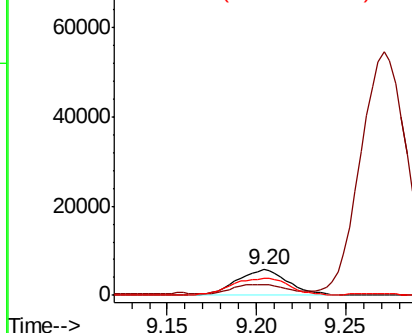
Tot Ion: 88 Resp: 11643  
Ion Ratio Lower Upper  
88 100  
43 33.8 34.1 51.1#  
58 74.8 62.8 94.2

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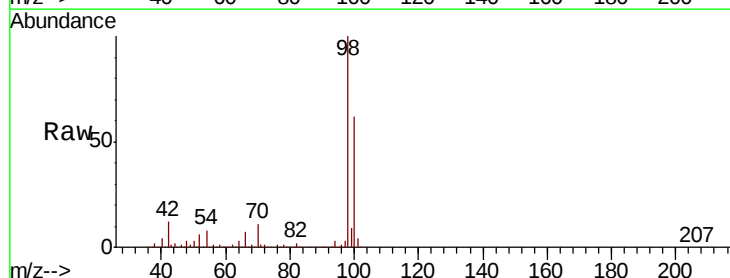


Abundance Ion 88.00 (87.70 to 88.70): VNC  
Ion 43.00 (42.70 to 43.70): VNC  
Ion 58.00 (57.70 to 58.70): VNC

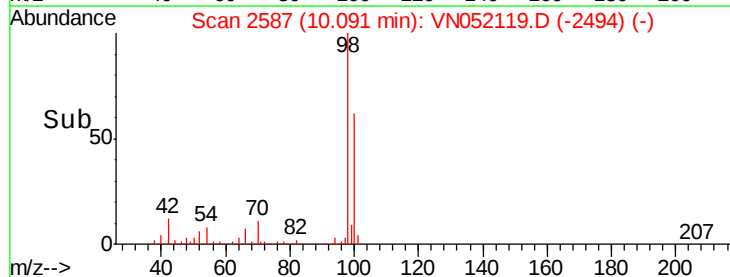
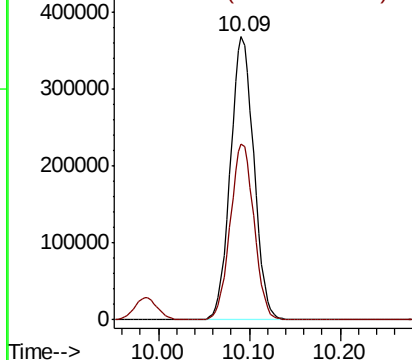


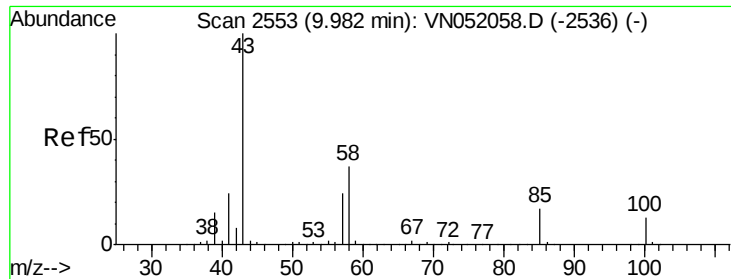
#50  
Toluene-d8  
Concen: 419.226 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Tgt Ion: 98 Resp: 656957  
Ion Ratio Lower Upper  
98 100  
100 63.1 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VNC  
Ion 100.00 (99.70 to 100.70): VNC





#51

4-Methyl-2-Pentanone

Concen: 99.668 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

Instrument :

MSVOA\_N

ClientSampleId :

VN1102WBSD01

Tot Ion: 43 Resp: 366969

Ion Ratio Lower Upper

43 100

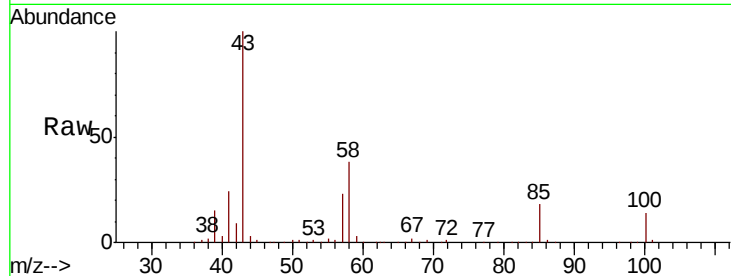
58 37.6 29.7 44.5

Manual Integrations

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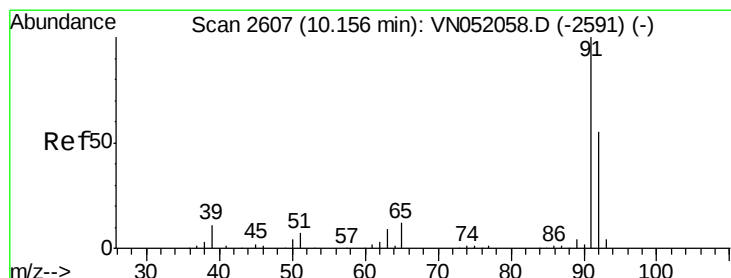
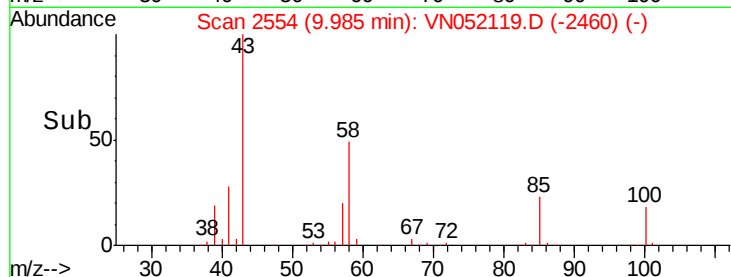
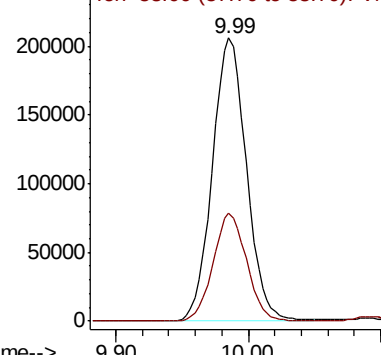
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.435 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052119.D

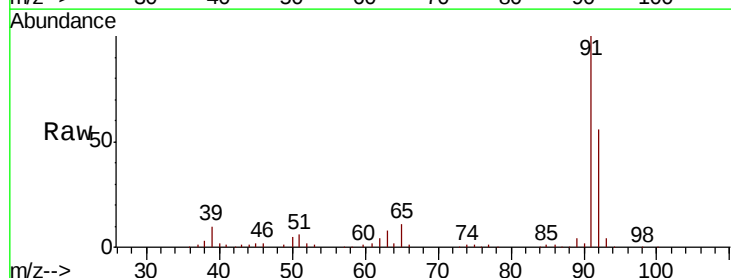
Acq: 2 Nov 2018 10:47

Tgt Ion: 92 Resp: 193095

Ion Ratio Lower Upper

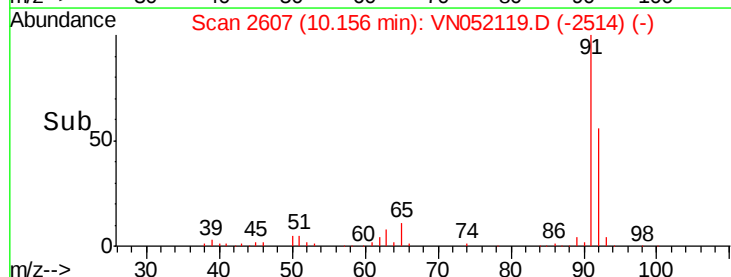
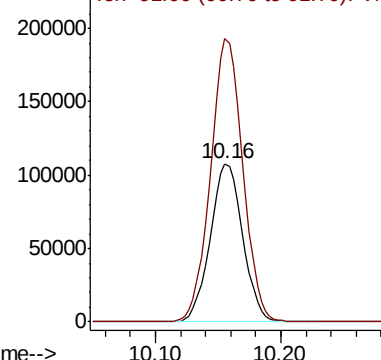
92 100

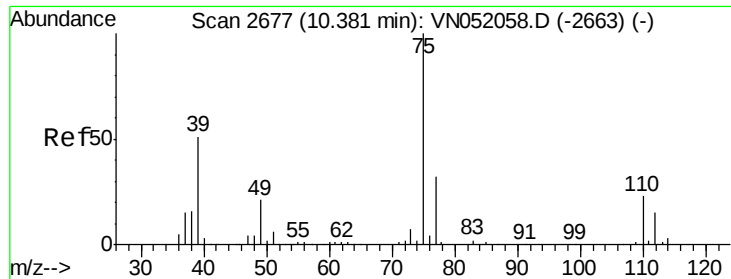
91 178.0 143.9 215.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





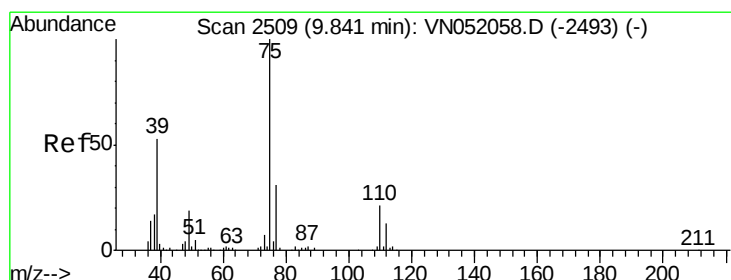
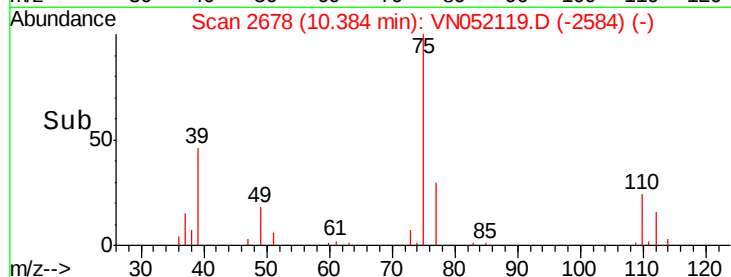
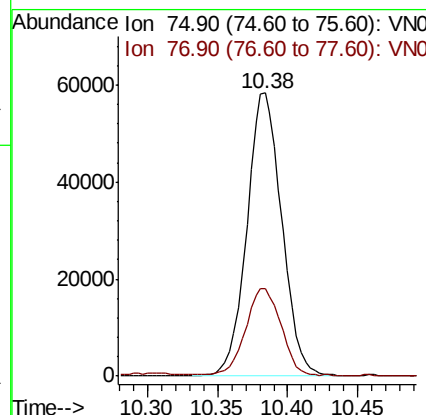
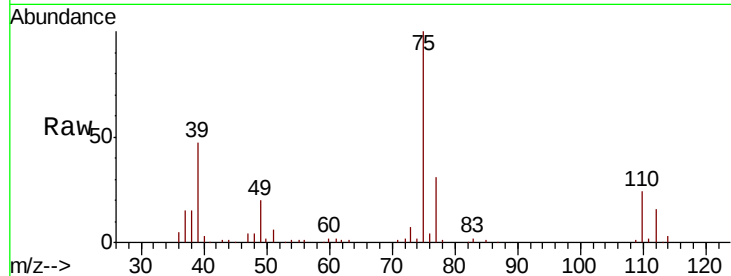
#53  
t-1,3-Dichloropropene  
Concen: 17.521 ug/l  
RT: 10.38 min Scan# 2678  
Delta R.T. 0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1102WBSD01

Tot Ion: 75 Resp: 101235  
Ion Ratio Lower Upper  
75 100  
77 30.9 25.6 38.4

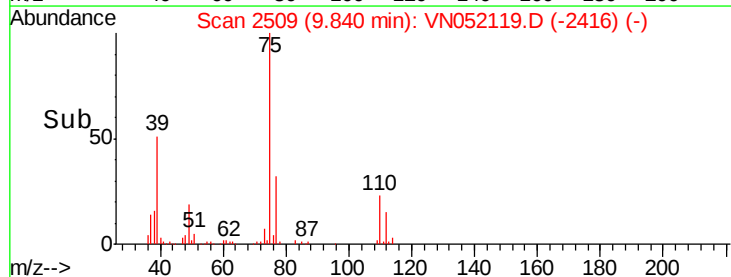
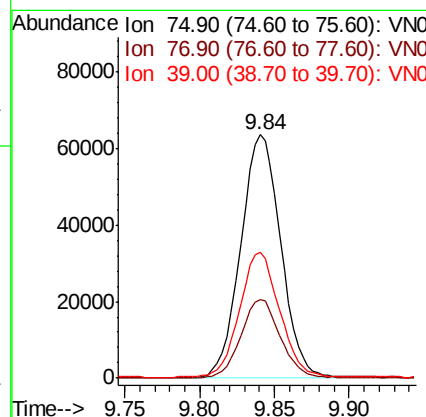
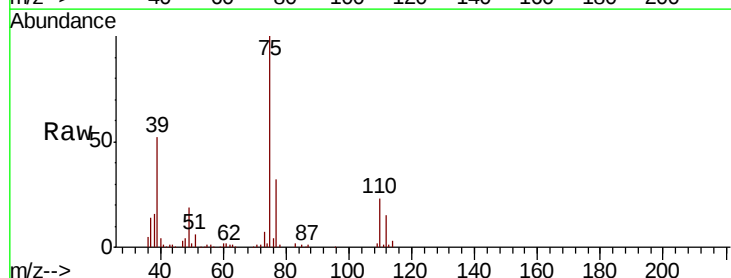
Manual Integrations  
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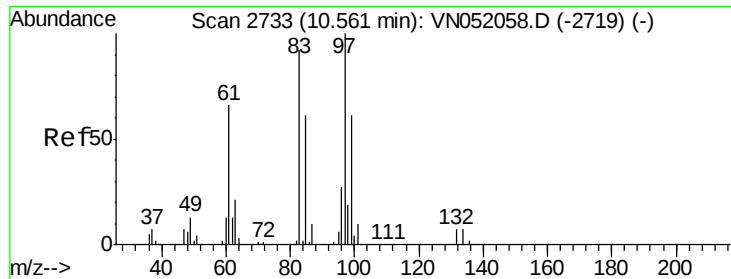
MMDadoda  
11/5/2018 11:52:52 AM



#54  
cis-1,3-Dichloropropene  
Concen: 18.500 ug/l  
RT: 9.84 min Scan# 2509  
Delta R.T. -0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Tgt Ion: 75 Resp: 118715  
Ion Ratio Lower Upper  
75 100  
77 32.1 25.0 37.4  
39 51.4 42.3 63.5





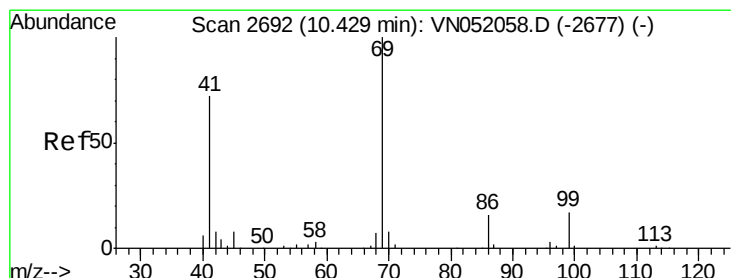
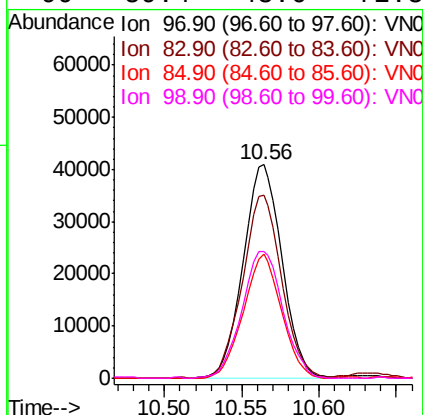
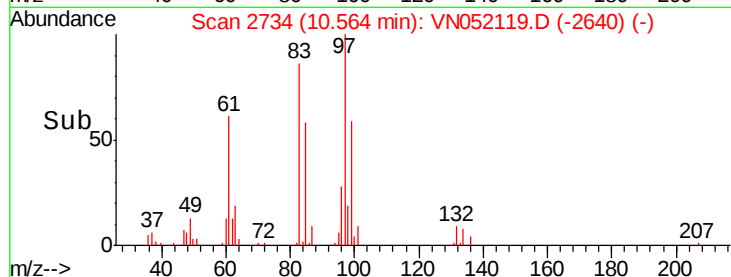
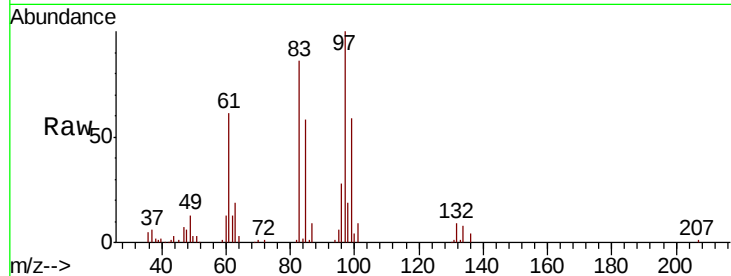
#55  
 1,1,2-Trichloroethane  
 Concen: 20.216 ug/l  
 RT: 10.56 min Scan# 2734  
 Delta R.T. 0.00 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1102WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 85.6  | 73.8  | 110.8 |
| 85      | 58.0  | 48.4  | 72.6  |
| 99      | 59.4  | 48.6  | 72.8  |

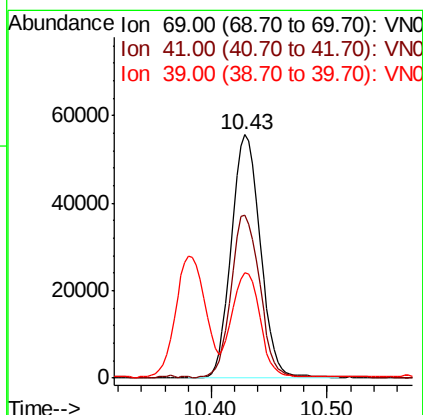
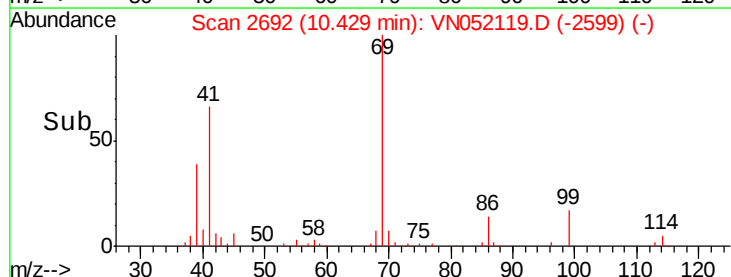
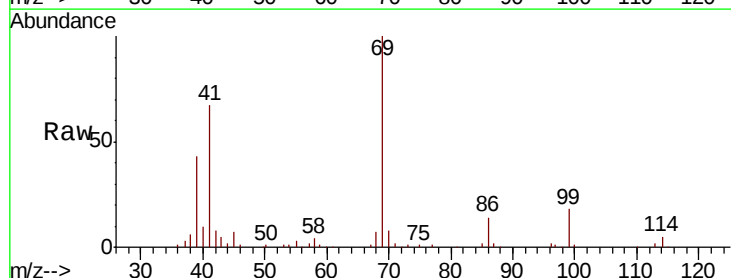
Manual Integrations  
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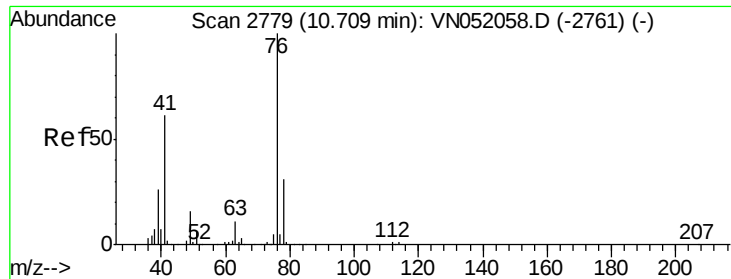
MMDadoda  
 11/5/2018 11:52:52 AM



#56  
 Ethyl methacrylate  
 Concen: 19.052 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. -0.00 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 65.3  | 55.5  | 83.3  |
| 39      | 41.5  | 33.0  | 49.4  |





#57

1,3-Dichloropropane

Concen: 19.120 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

Instrument :

MSVOA\_N

ClientSampleId :

VN1102WBSD01

Tot Ion: 76 Resp: 124496

Ion Ratio Lower Upper

76 100

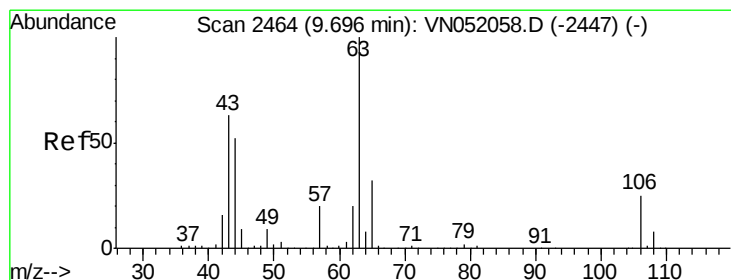
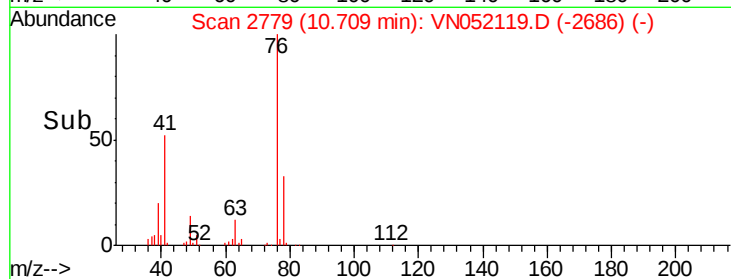
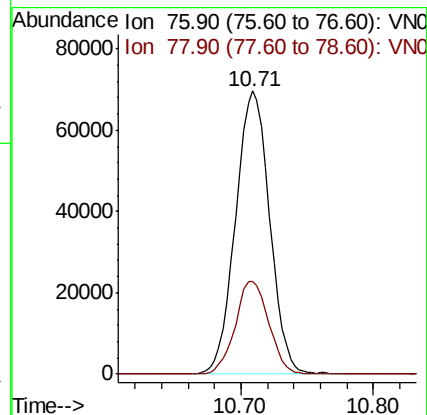
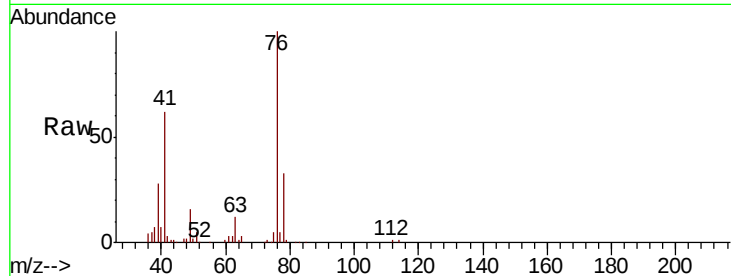
78 32.2 25.4 38.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 94.832 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052119.D

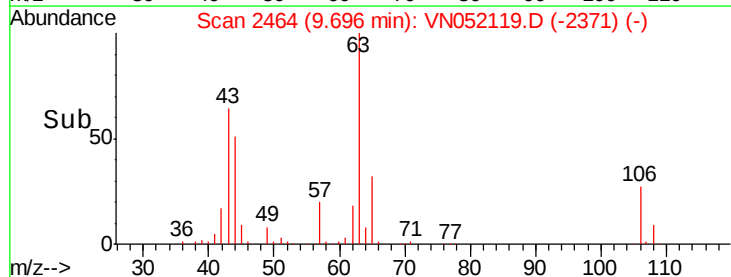
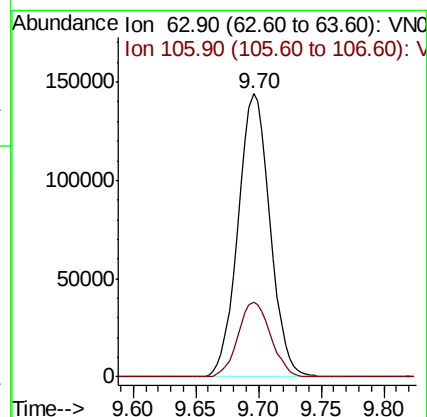
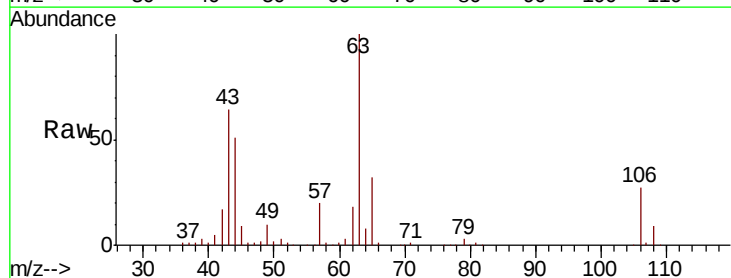
Acq: 2 Nov 2018 10:47

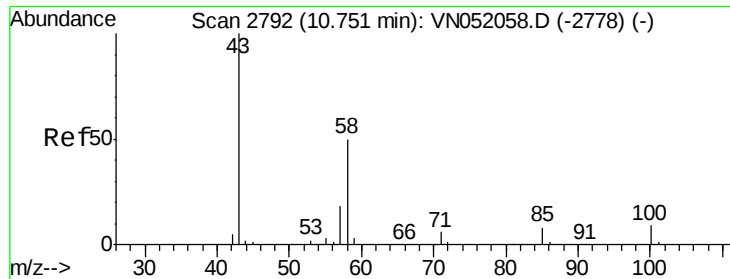
Tgt Ion: 63 Resp: 255335

Ion Ratio Lower Upper

63 100

106 27.0 19.4 29.2





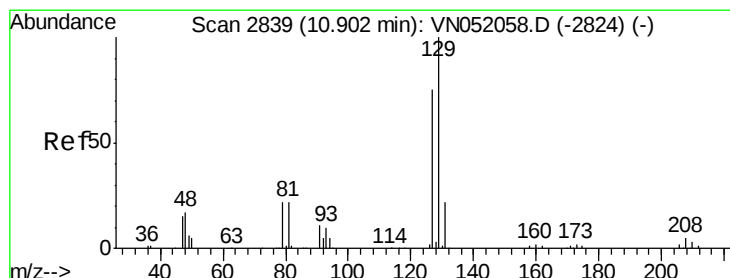
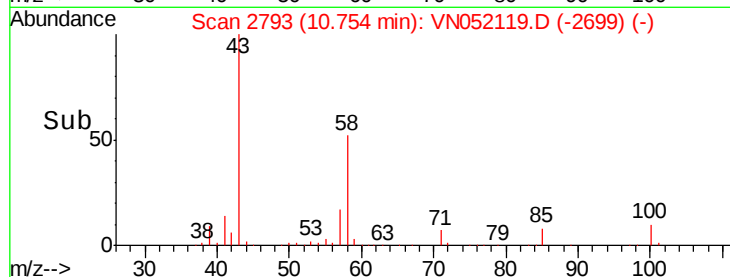
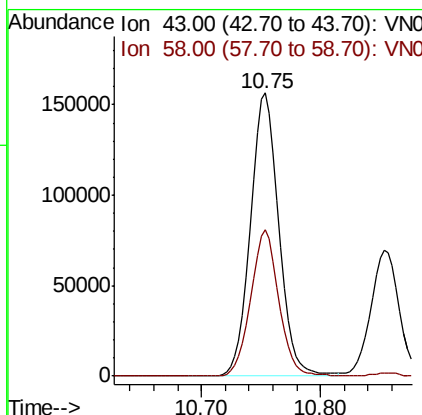
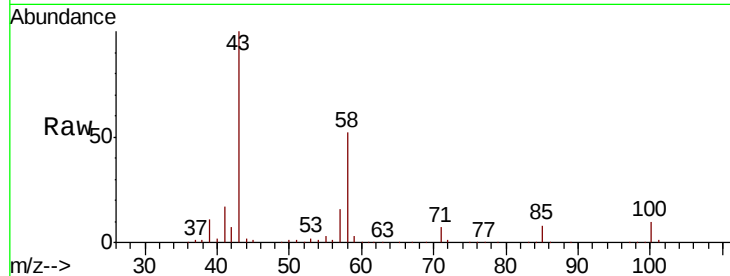
#59  
2-Hexanone  
Concen: 97.734 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1102WBSD01

Tot Ion: 43 Resp: 256434  
Ion Ratio Lower Upper  
43 100  
58 51.4 25.2 75.6

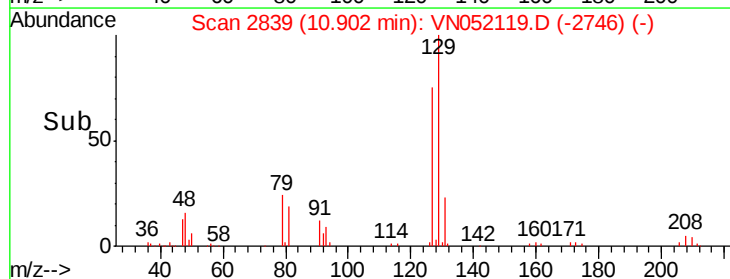
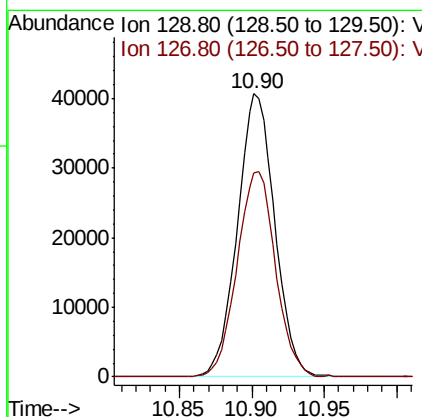
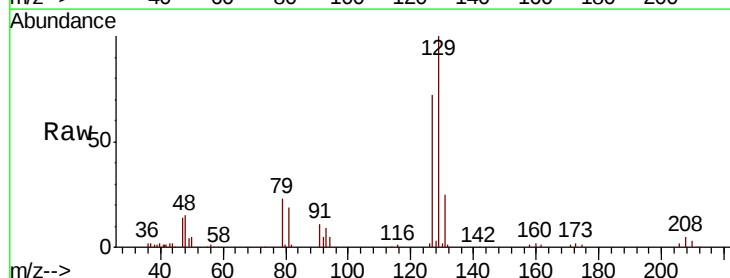
Manual Integrations  
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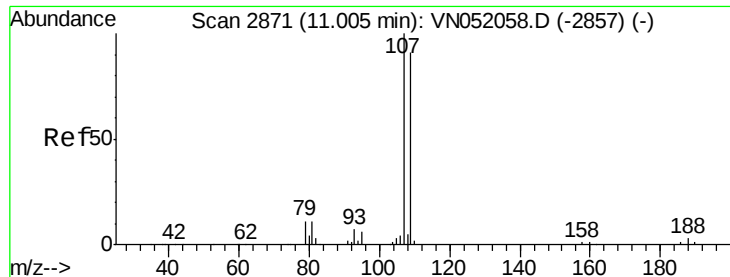
MMDadoda  
11/5/2018 11:52:52 AM



#60  
Dibromochloromethane  
Concen: 20.863 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. -0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Tgt Ion: 129 Resp: 72681  
Ion Ratio Lower Upper  
129 100  
127 74.6 38.5 115.5





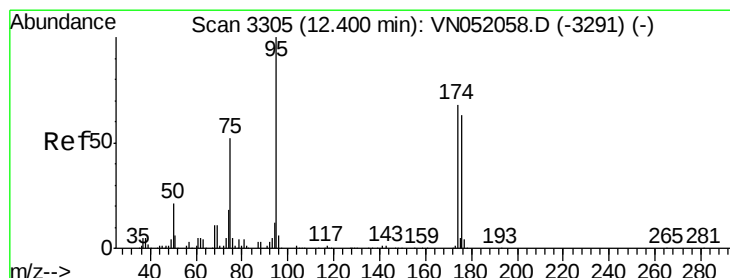
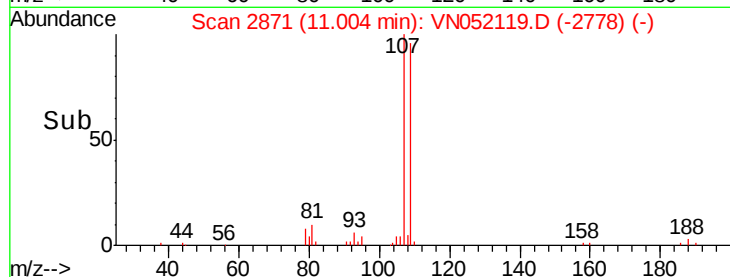
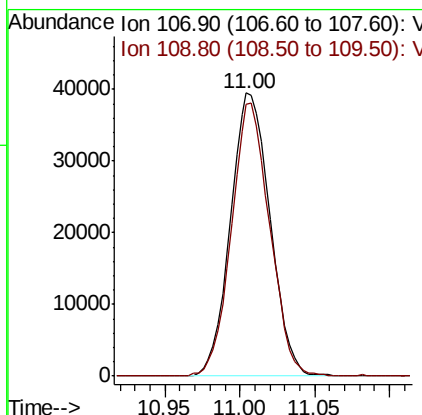
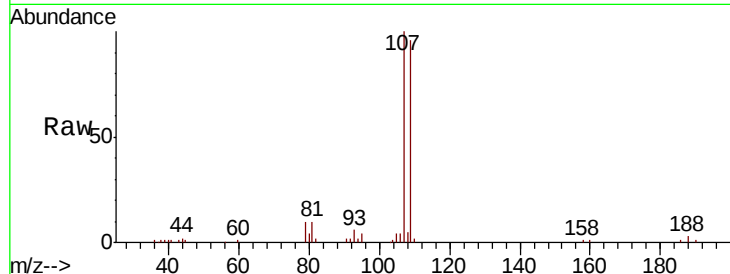
#61  
 1,2-Dibromoethane  
 Concen: 20.681 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. -0.00 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1102WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.2  | 75.1  | 112.7 |

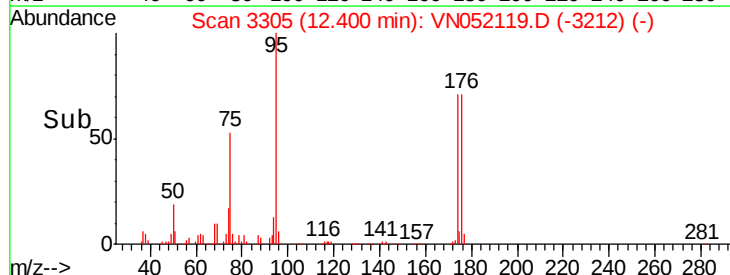
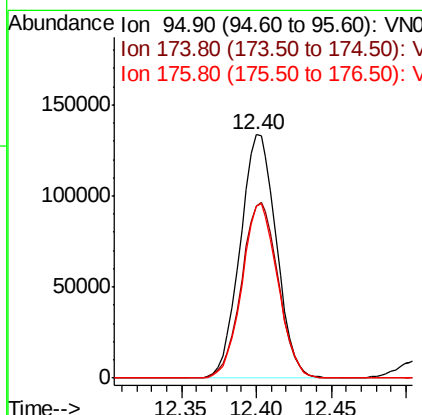
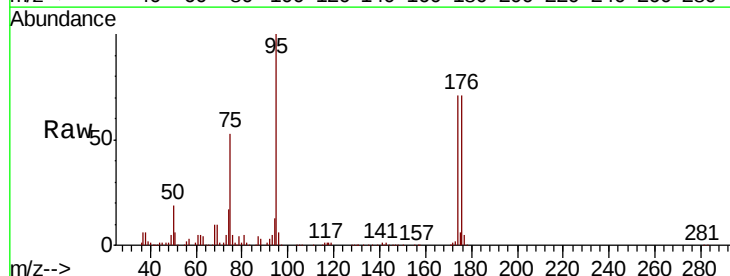
Manual Integrations  
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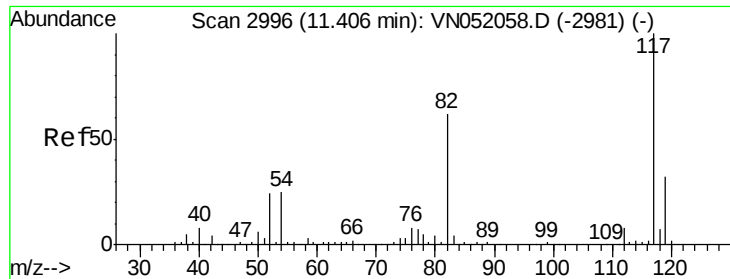
MMDadoda  
 11/5/2018 11:52:52 AM



#62  
 4-Bromofluorobenzene  
 Concen: 20.681 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. -0.00 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 73.1  | 0.0   | 131.8 |
| 176     | 70.9  | 0.0   | 126.0 |





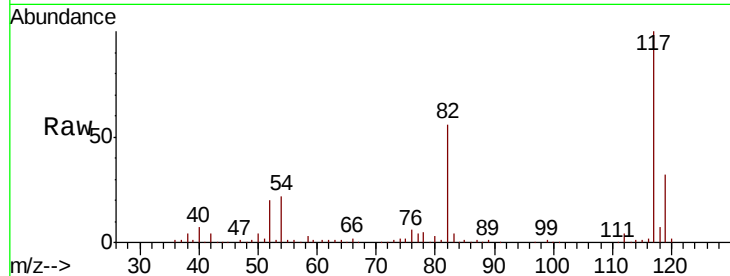
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1102WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.9  | 49.9  | 74.9  |
| 119     | 32.4  | 25.7  | 38.5  |

Manual Integrations  
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11/5/2018 11:52:52 AM

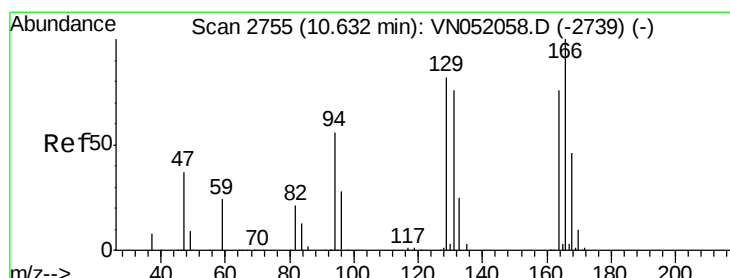
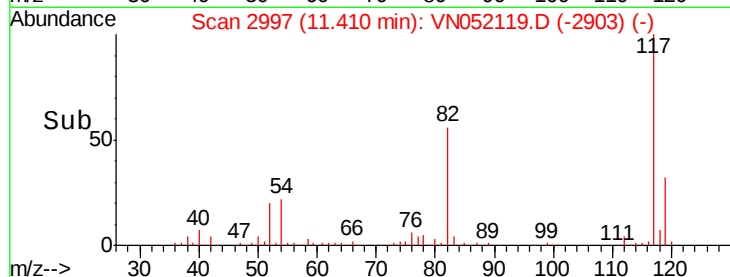
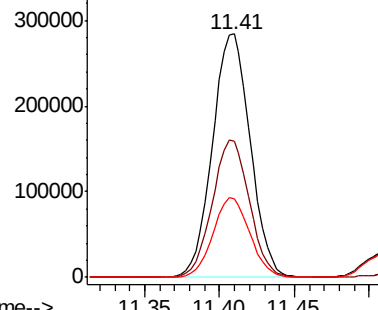


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64  
Tetrachloroethene  
Concen: 21.040 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. -0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 120.0 | 105.4 | 158.0 |
| 129     | 106.1 | 86.1  | 129.1 |
| 131     | 91.2  | 80.3  | 120.5 |

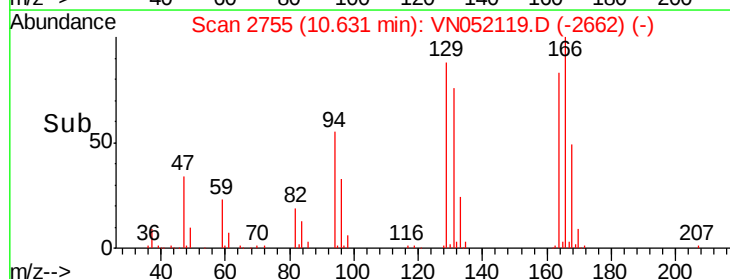
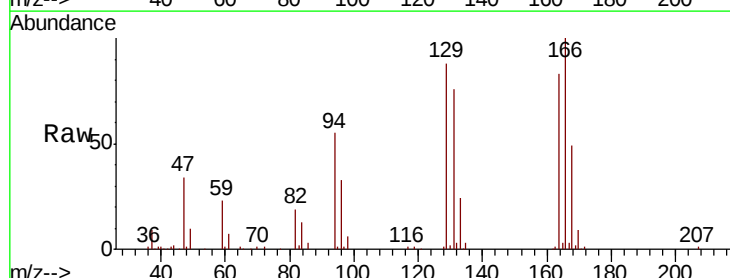
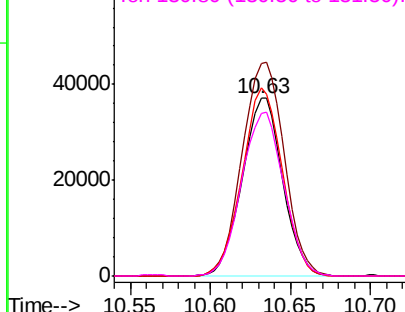
Abundance

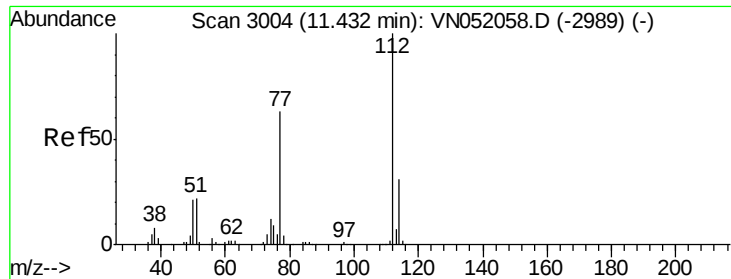
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





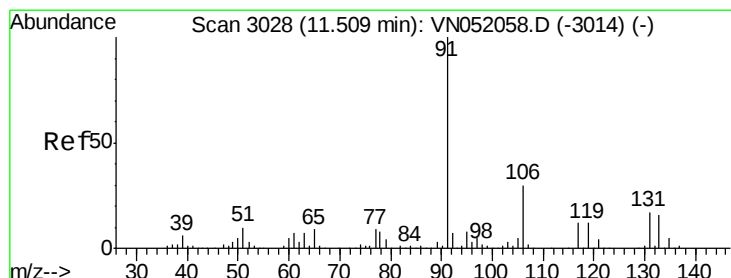
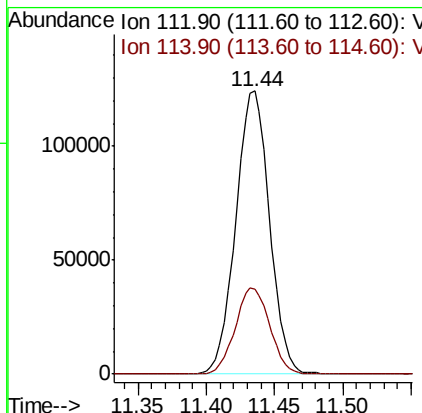
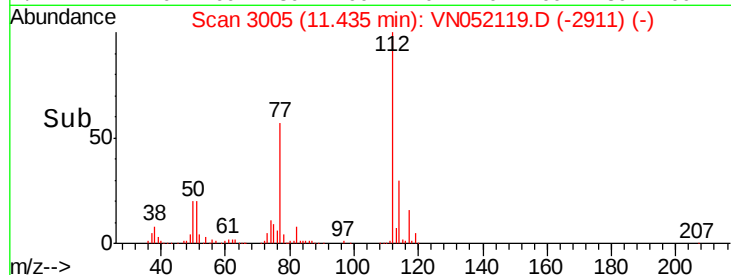
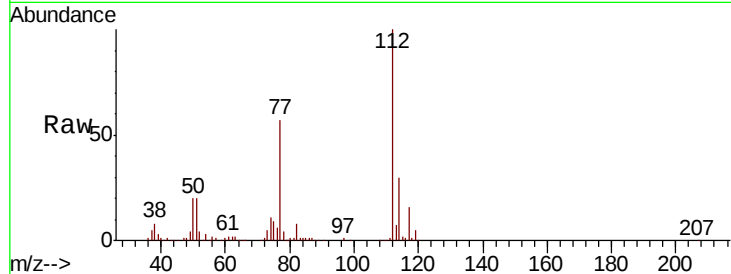
#65  
Chlorobenzene  
Concen: 20.228 ug/l  
RT: 11.44 min Scan# 3005  
Delta R.T. 0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1102WBSD01

Tot Ion:112 Resp: 213058  
Ion Ratio Lower Upper  
112 100  
114 29.8 25.1 37.7

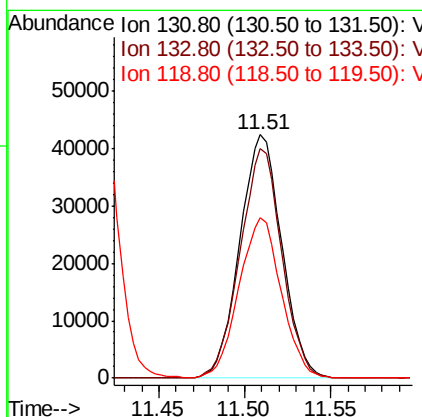
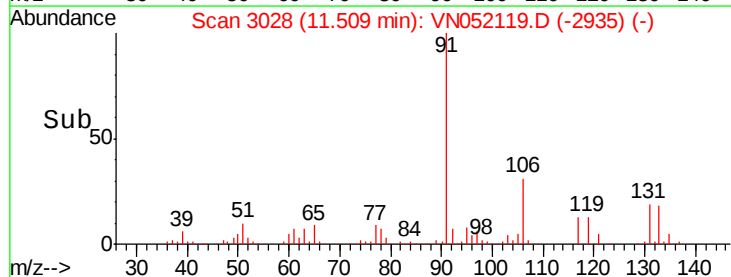
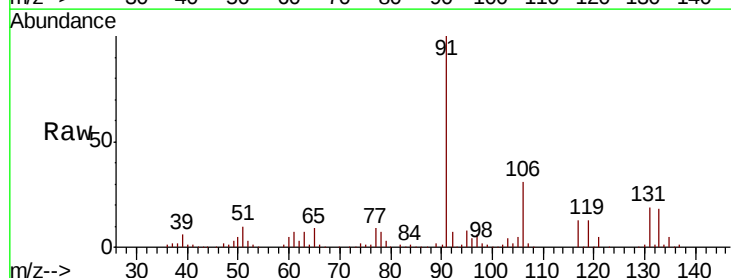
Manual Integrations  
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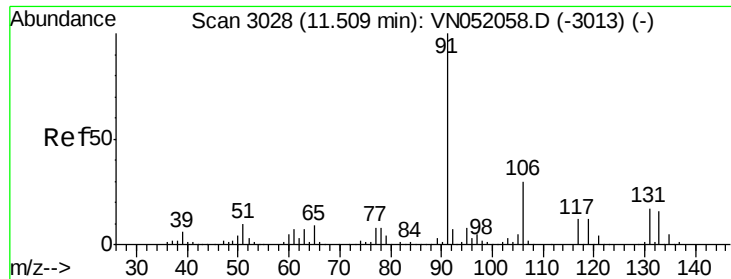
MMDadoda  
11/5/2018 11:52:52 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.783 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Tgt Ion:131 Resp: 72044  
Ion Ratio Lower Upper  
131 100  
133 93.5 47.6 142.9  
119 66.4 34.4 103.2





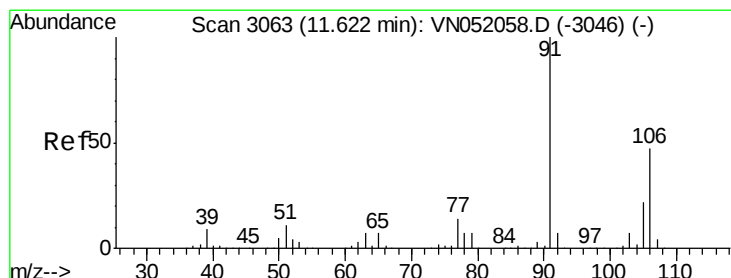
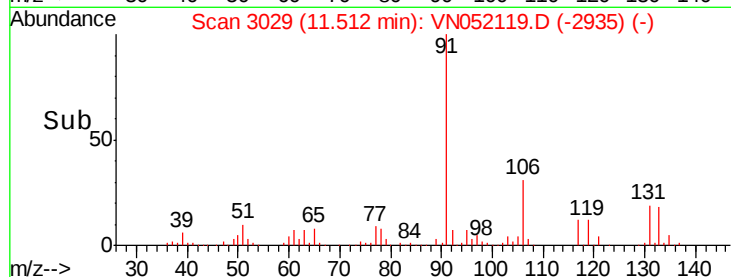
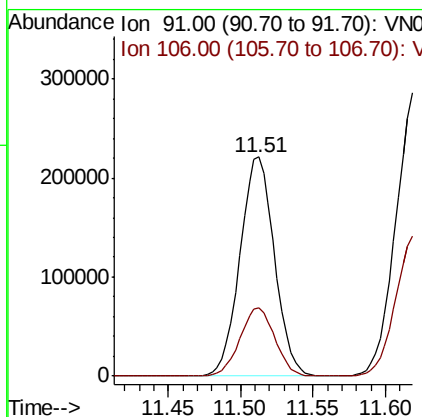
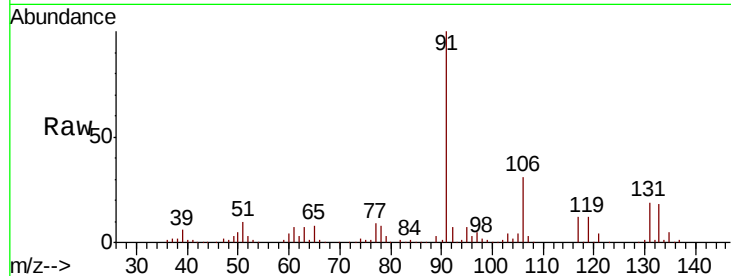
#67  
Ethyl Benzene  
Concen: 19.443 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1102WBSD01

Tot Ion: 91 Resp: 365211  
Ion Ratio Lower Upper  
91 100  
106 31.5 24.1 36.1

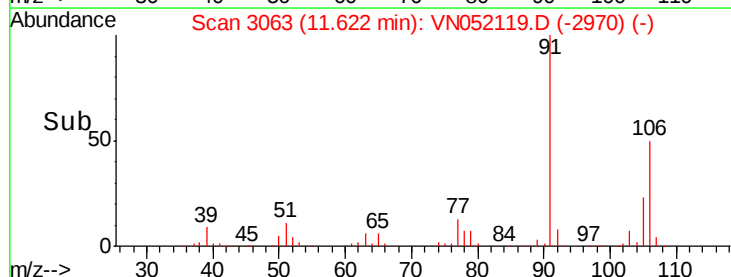
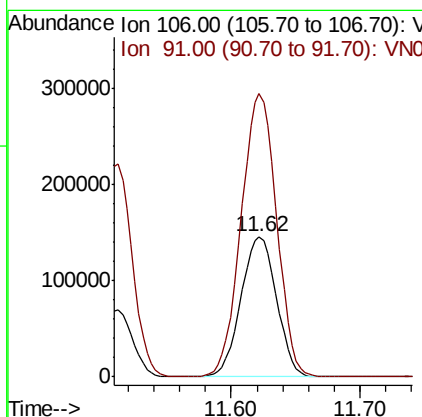
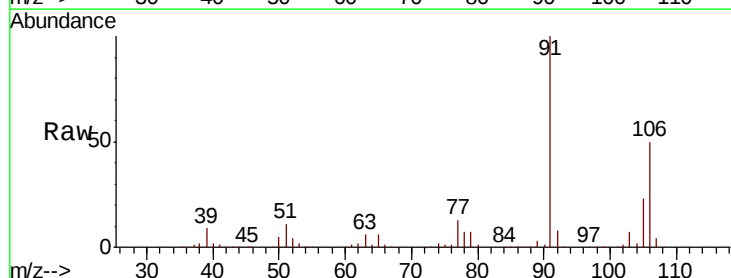
Manual Integrations  
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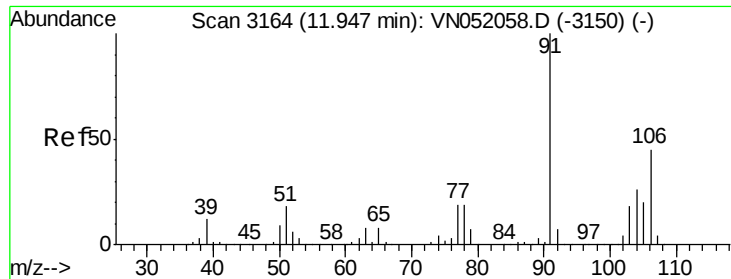
MMDadoda  
11/5/2018 11:52:52 AM



#68  
m/p-Xylenes  
Concen: 41.498 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. -0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Tgt Ion: 106 Resp: 278999  
Ion Ratio Lower Upper  
106 100  
91 201.2 168.7 253.1





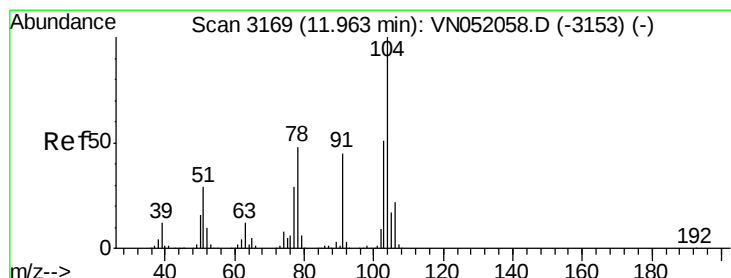
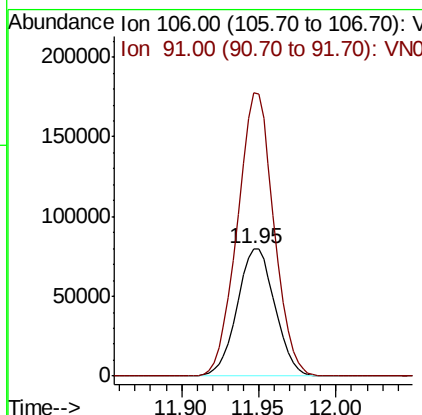
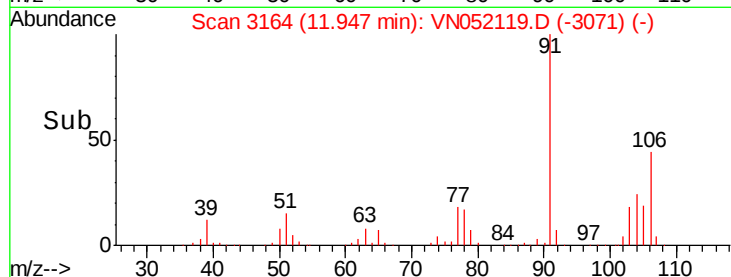
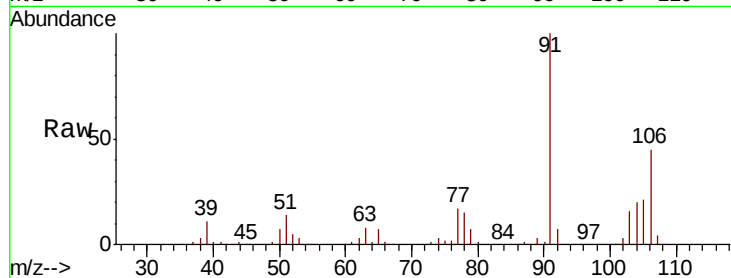
#69  
o-Xylene  
Concen: 20.386 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1102WBSD01

Tot Ion:106 Resp: 135622  
Ion Ratio Lower Upper  
106 100  
91 214.9 109.6 328.6

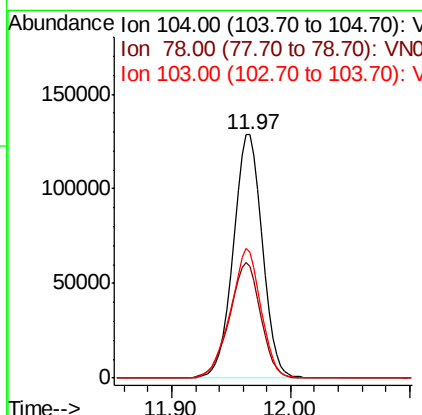
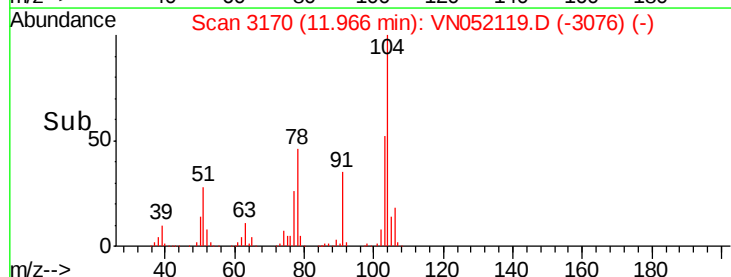
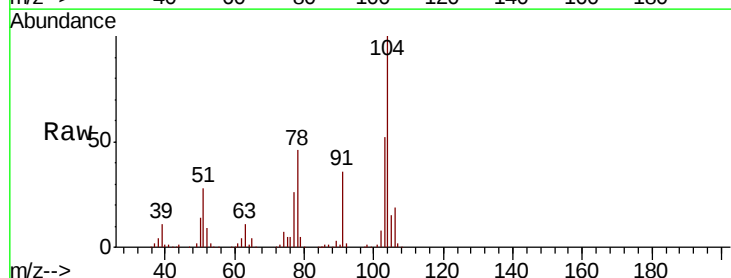
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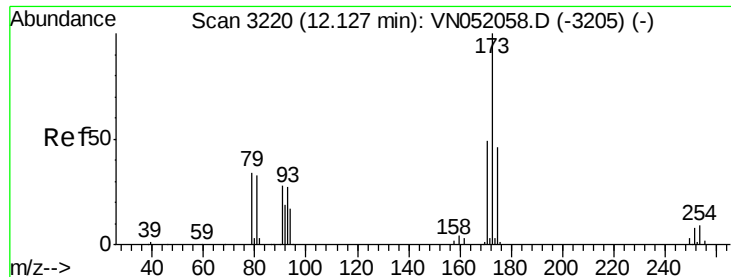
MMDadoda  
11/5/2018 11:52:52 AM



#70  
Styrene  
Concen: 20.265 ug/l  
RT: 11.97 min Scan# 3170  
Delta R.T. 0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Tgt Ion:104 Resp: 218142  
Ion Ratio Lower Upper  
104 100  
78 51.0 43.0 64.6  
103 55.6 45.1 67.7





#71

Bromoform

Concen: 20.907 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

Instrument :

MSVOA\_N

ClientSampleId :

VN1102WBSD01

Tot Ion:173 Resp: 41621

Ion Ratio Lower Upper

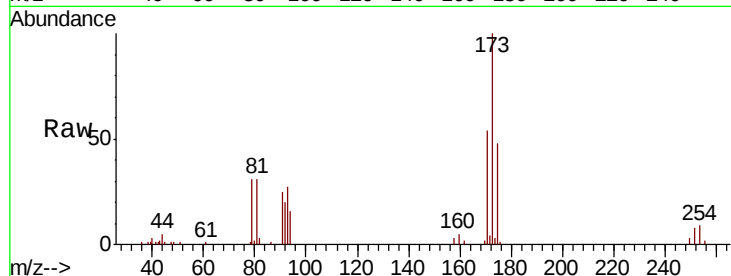
173 100

175 49.3 23.9 71.7

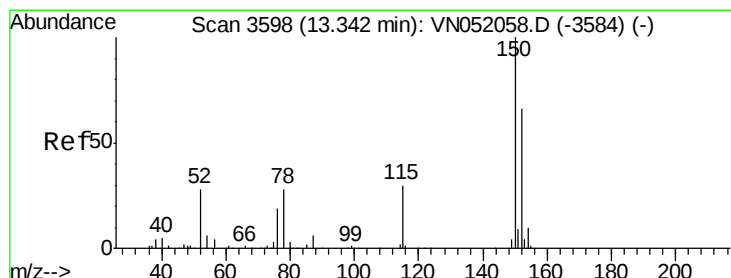
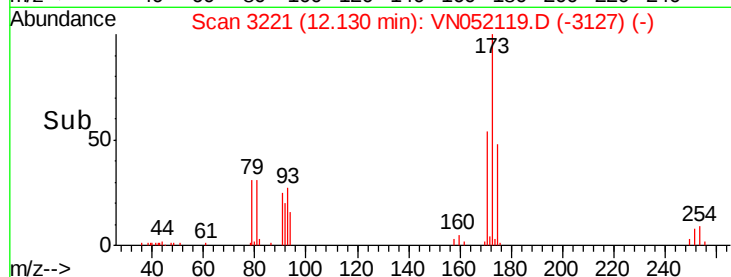
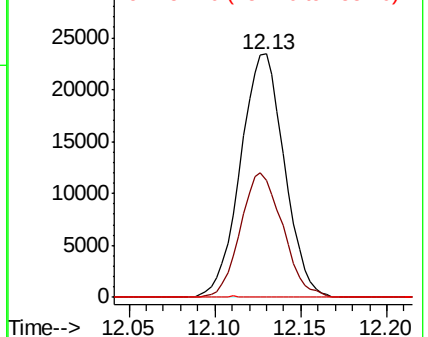
254 0.1 0.0 0.0#

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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

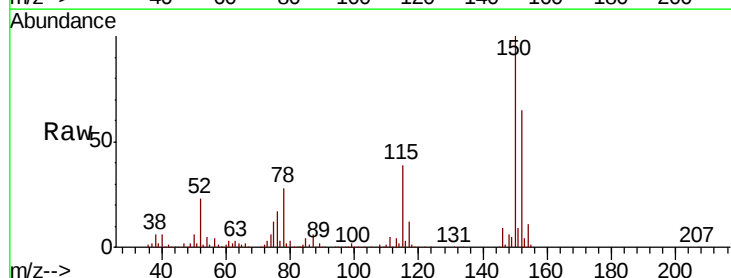
Tgt Ion:152 Resp: 216130

Ion Ratio Lower Upper

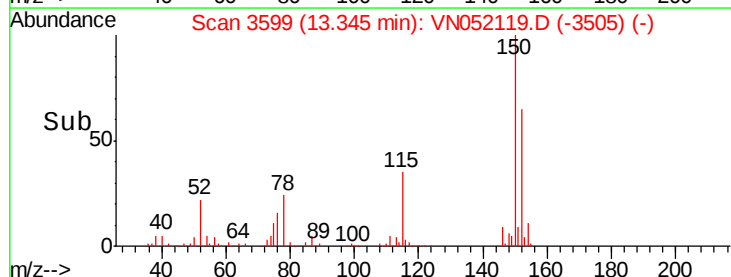
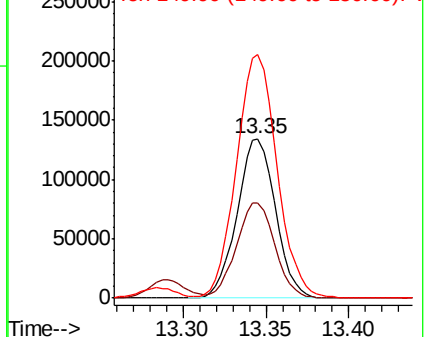
152 100

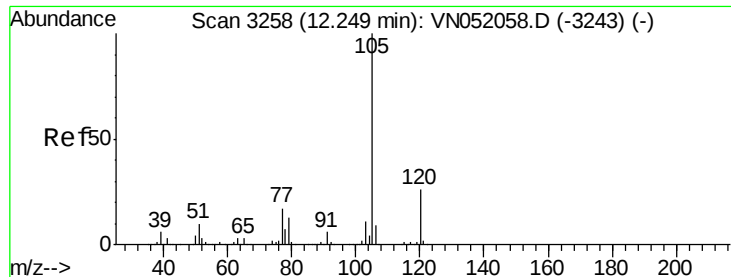
115 60.2 31.6 95.0

150 161.8 0.0 345.0



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: 19.090 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

Instrument :

MSVOA\_N

ClientSampled :

VN1102WBSD01

Tot Ion: 105 Resp: 352817

Ion Ratio Lower Upper

105 100

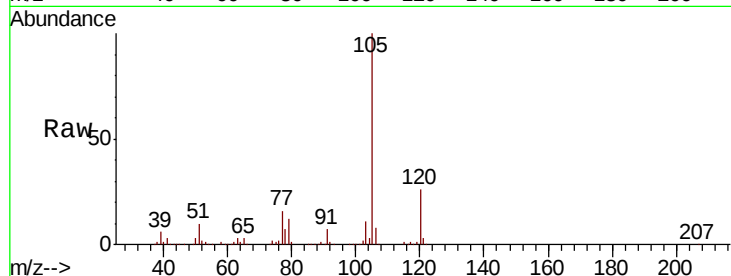
120 26.5 12.8 38.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

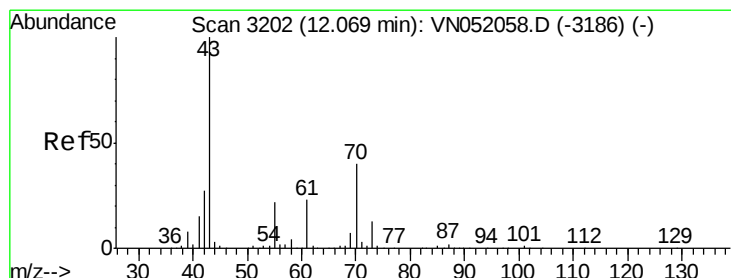
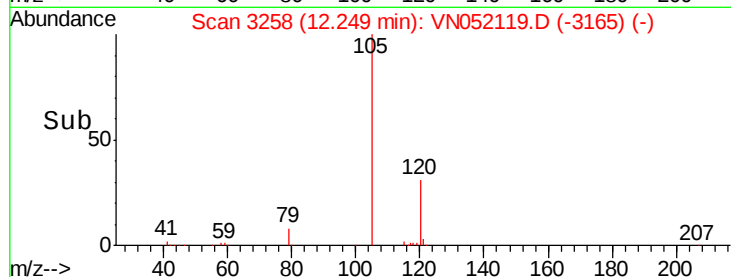
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 18.111 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

Tgt Ion: 43 Resp: 116815

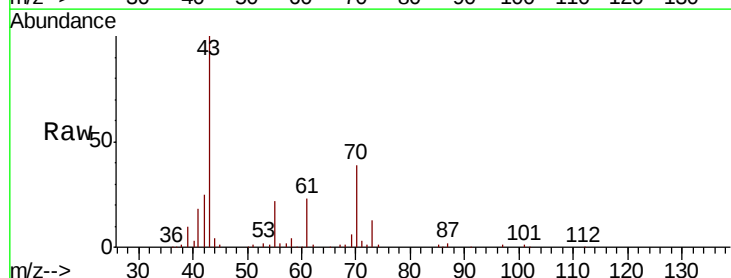
Ion Ratio Lower Upper

43 100

70 40.7 31.9 47.9

55 23.2 18.4 27.6

61 22.8 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

60000

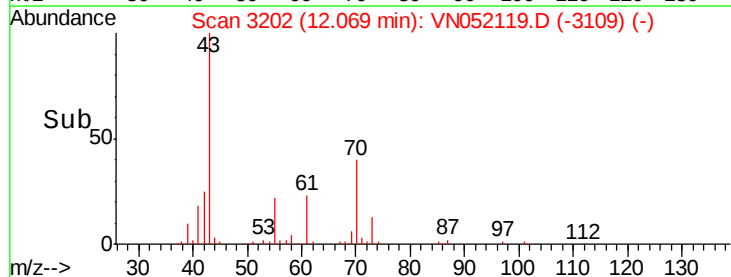
40000

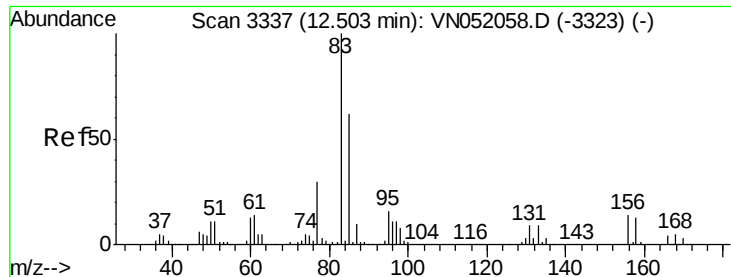
20000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.112 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

Instrument :

MSVOA\_N

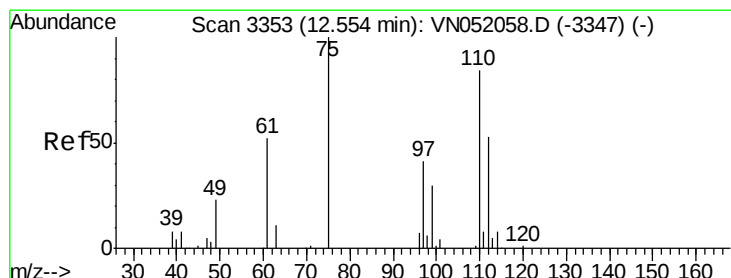
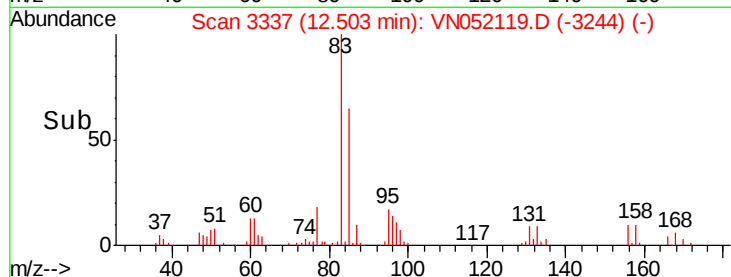
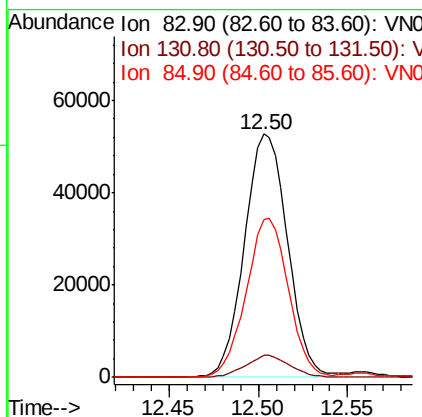
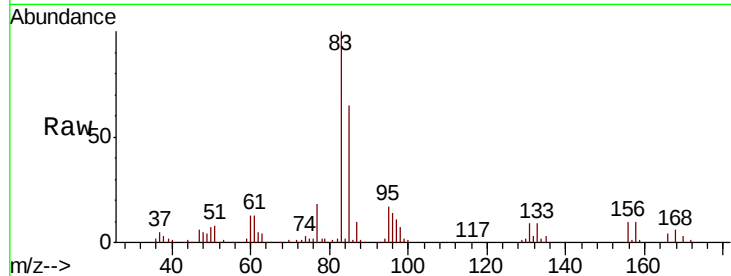
ClientSampleId :

VN1102WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 89133 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.2   | 4.5   | 13.4  |
| 85        | 64.1  | 31.3  | 93.9  |

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#76

1,2,3-Trichloropropane

Concen: 18.706 ug/l m

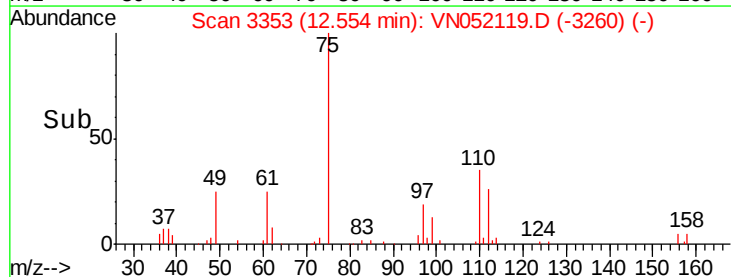
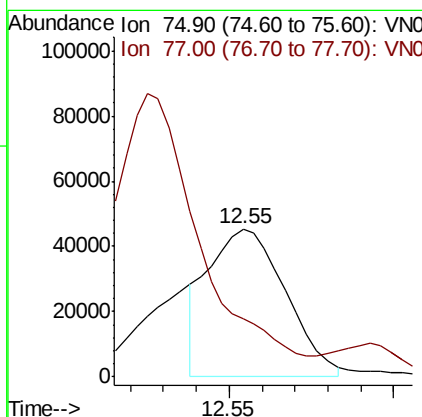
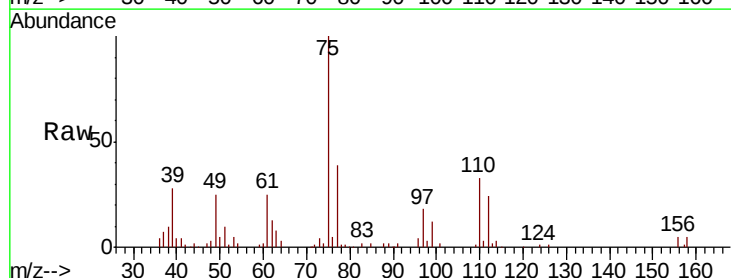
RT: 12.55 min Scan# 3353

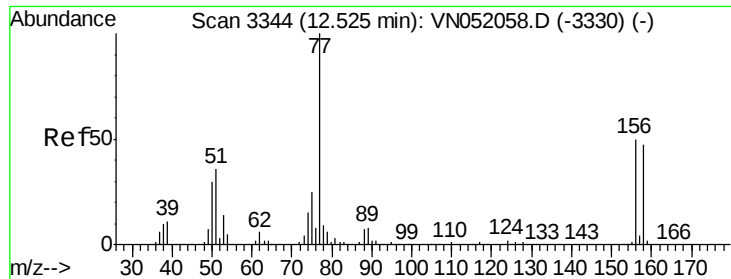
Delta R.T. -0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 74009 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 20.805 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

Instrument :

MSVOA\_N

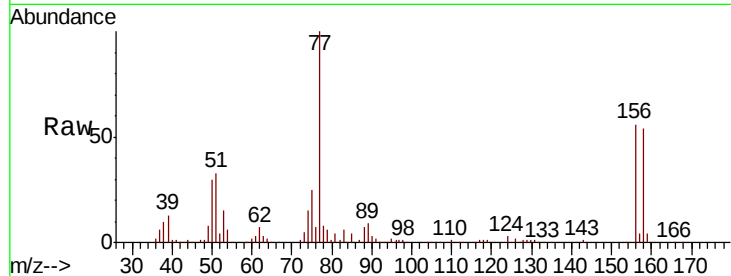
ClientSampleId :

VN1102WBSD01

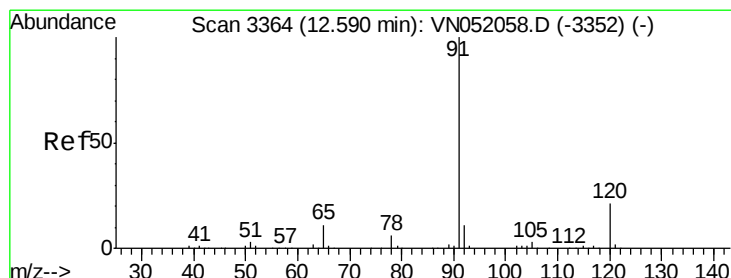
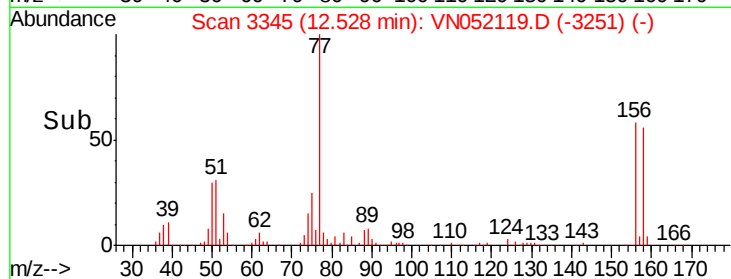
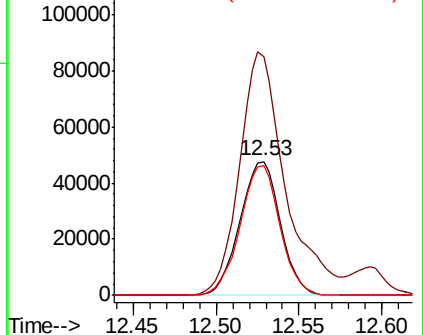
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 156   | Resp: | 80454 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 206.4 | 119.6 | 358.6 |
| 158       | 95.6  | 47.8  | 143.4 |

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



#78

n-propylbenzene

Concen: 18.080 ug/l

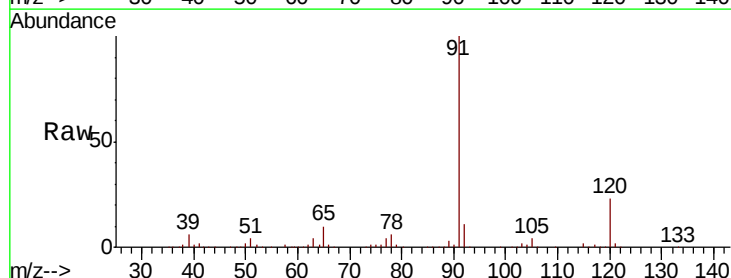
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

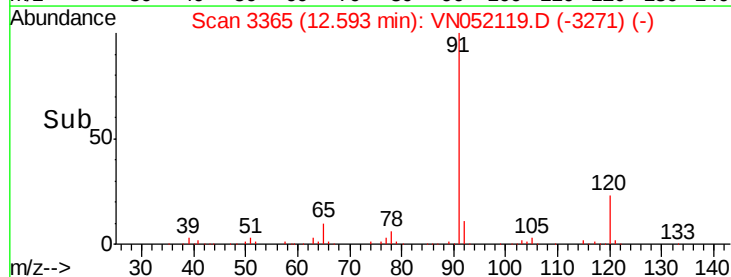
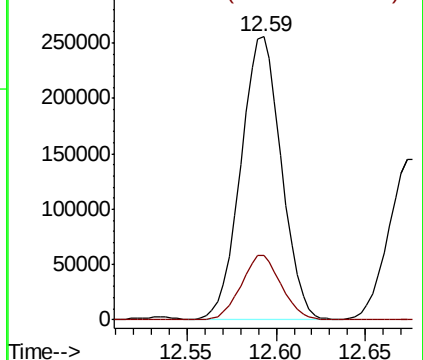
Lab File: VN052119.D

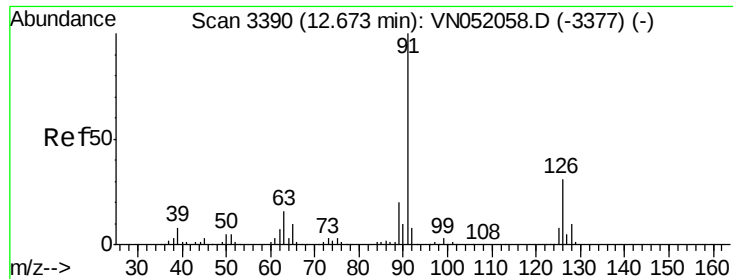
Acq: 2 Nov 2018 10:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 404895 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.7  | 10.8  | 32.4   |



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





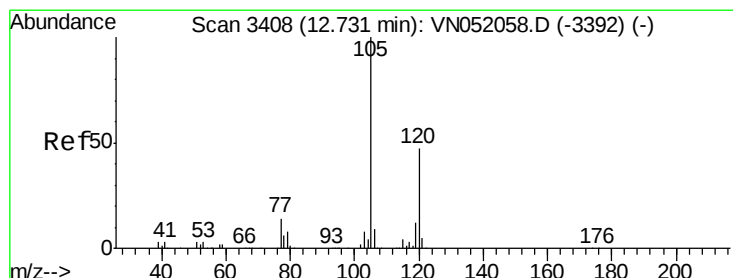
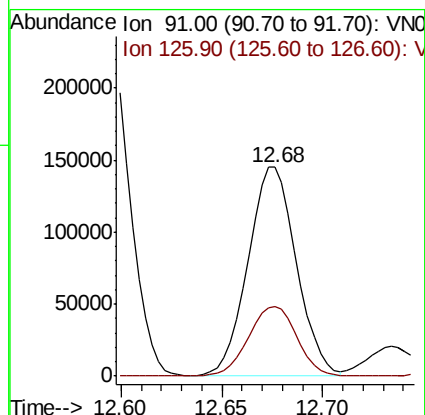
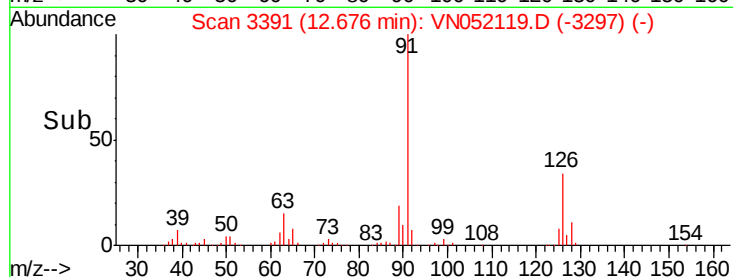
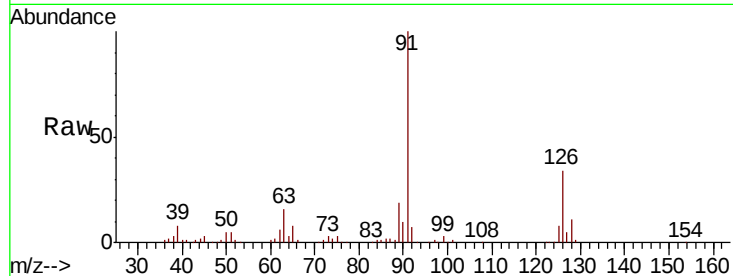
#79  
 2-Chlorotoluene  
 Concen: 18.549 ug/l  
 RT: 12.68 min Scan# 3391  
 Delta R.T. 0.00 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1102WBSD01

Tot Ion: 91 Resp: 242165  
 Ion Ratio Lower Upper  
 91 100  
 126 33.7 15.9 47.6

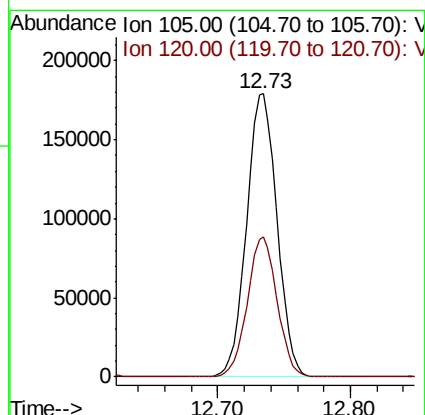
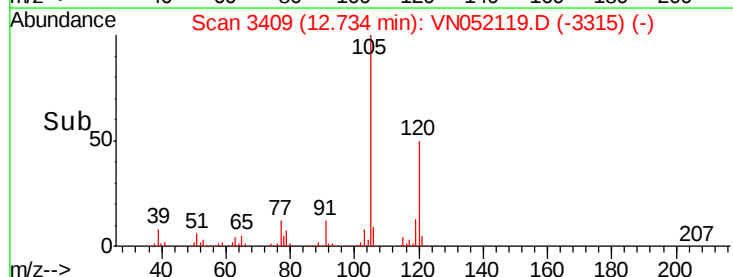
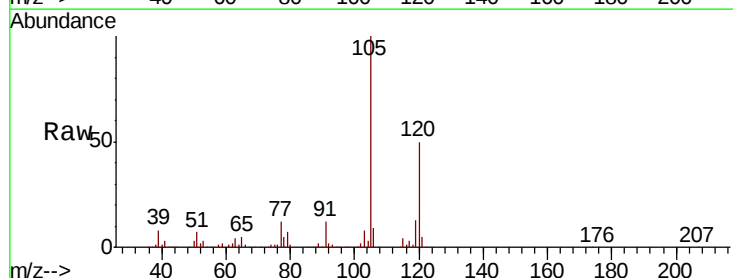
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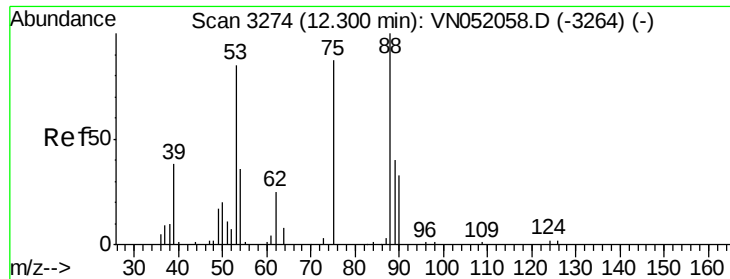
MMDadoda  
 11/5/2018 11:52:52 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 18.970 ug/l  
 RT: 12.73 min Scan# 3409  
 Delta R.T. 0.00 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

Tgt Ion: 105 Resp: 285318  
 Ion Ratio Lower Upper  
 105 100  
 120 48.2 23.4 70.0





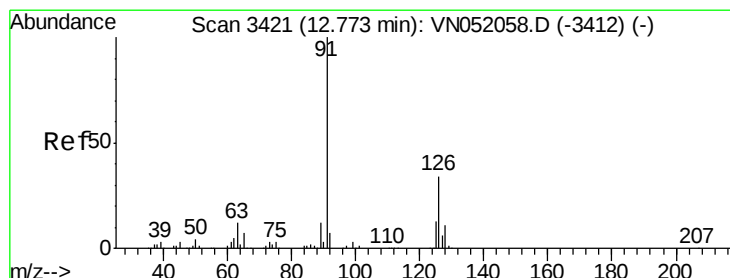
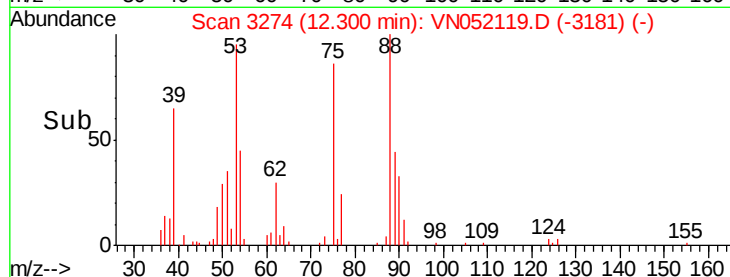
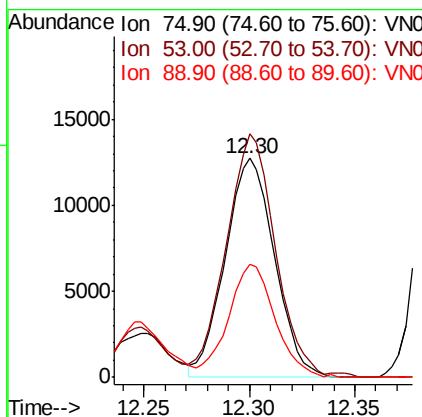
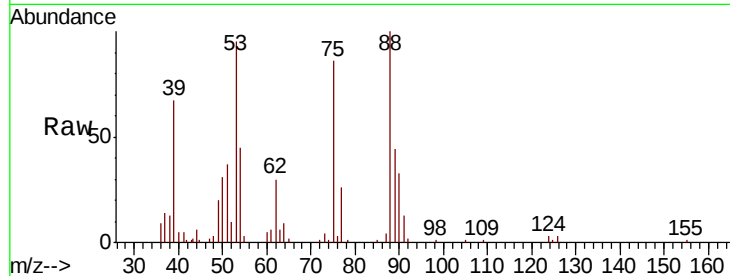
#81  
trans-1,4-Dichloro-2-butene  
Concen: 17.341 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. -0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Instrument :  
MSVOA\_N  
ClientSampled :  
VN1102WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 108.0 | 81.8  | 122.6 |
| 89      | 48.6  | 36.6  | 54.8  |

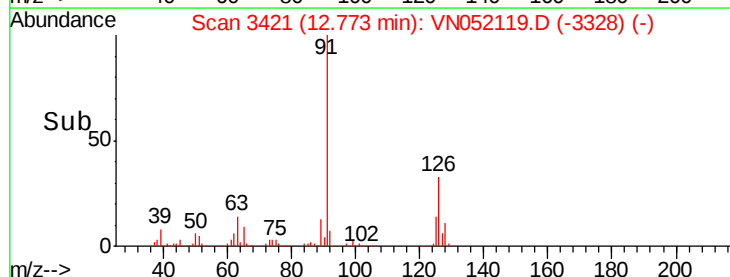
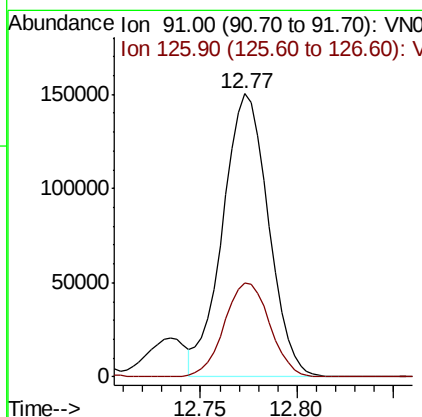
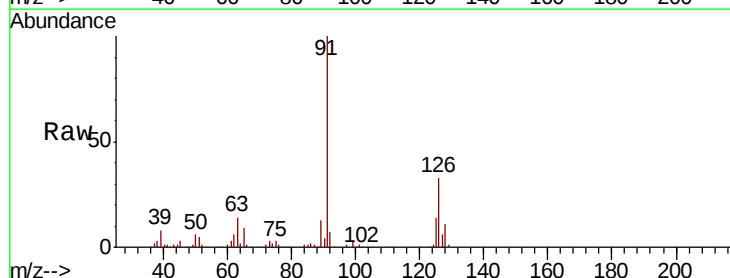
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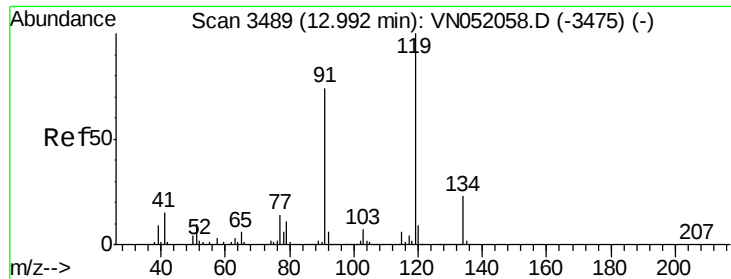
MMDadoda  
11/5/2018 11:52:52 AM



#82  
4-Chlorotoluene  
Concen: 18.514 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. -0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.3  | 15.7  | 47.1  |





#83

tert-Butylbenzene

Concen: 19.616 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

Instrument :

MSVOA\_N

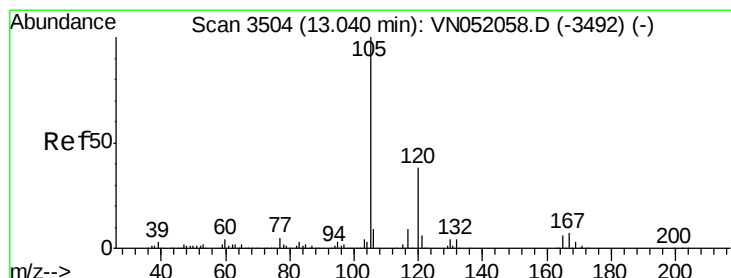
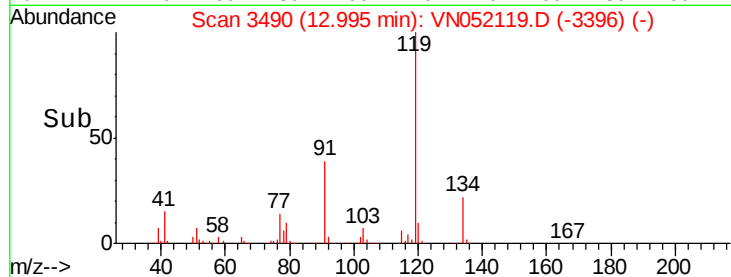
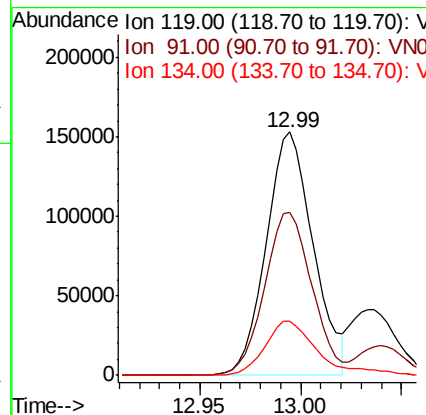
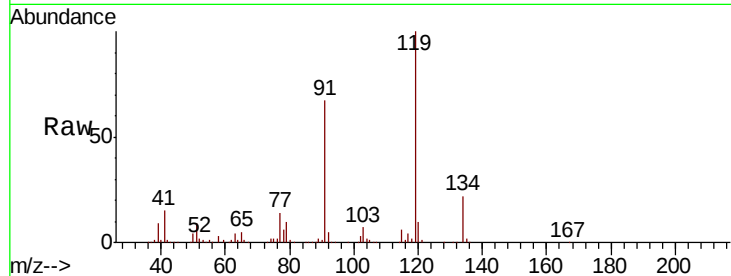
ClientSampleId :

VN1102WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 247829 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 67.3  | 36.6  | 109.9  |
| 134       | 25.2  | 12.5  | 37.5   |

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11/5/2018 11:52:52 AM



#84

1,2,4-Trimethylbenzene

Concen: 19.638 ug/l

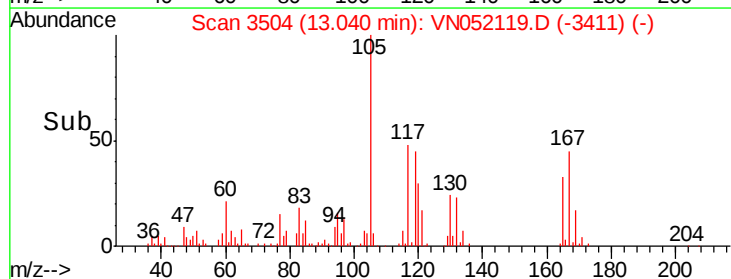
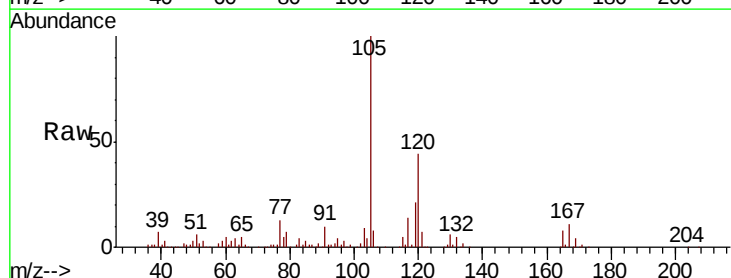
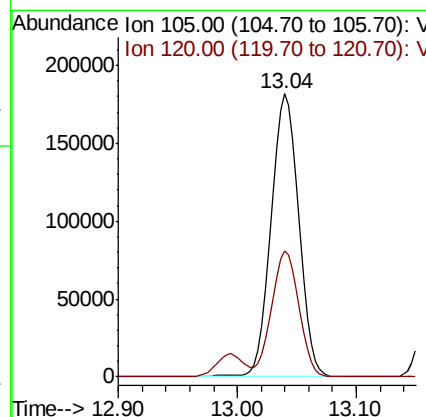
RT: 13.04 min Scan# 3504

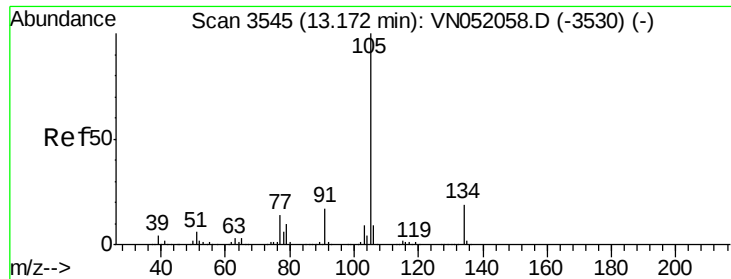
Delta R.T. -0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 293984 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 43.6  | 21.9  | 65.5   |





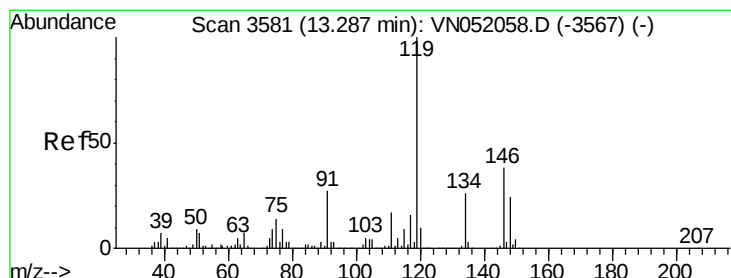
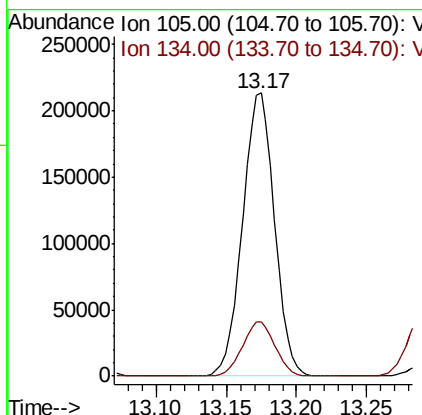
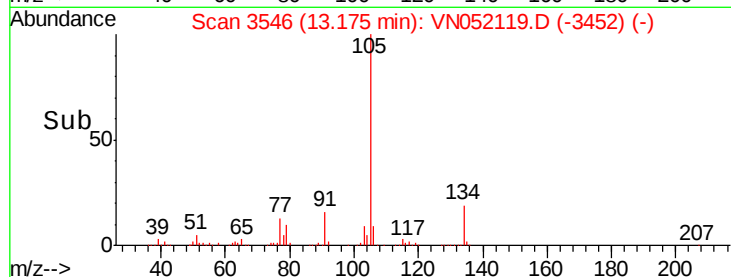
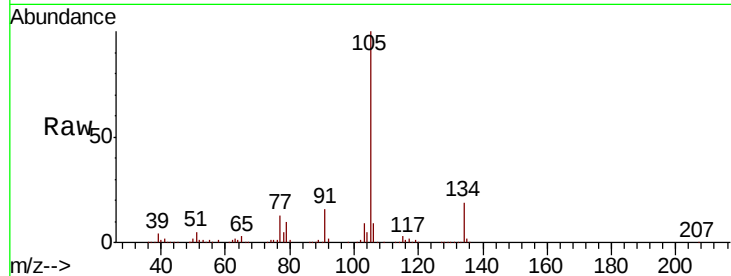
#85  
 sec-Butylbenzene  
 Concen: 18.757 ug/l  
 RT: 13.17 min Scan# 3546  
 Delta R.T. 0.00 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1102WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 338528 |       |       |
| 134     | 19.3  | 9.1    | 27.3  |       |

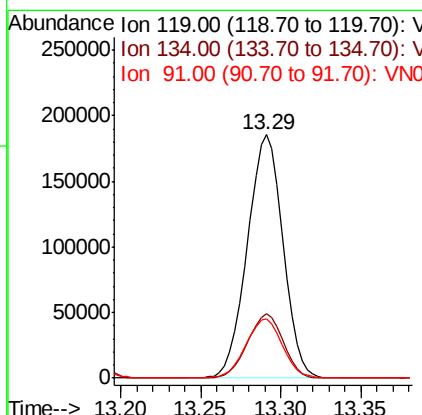
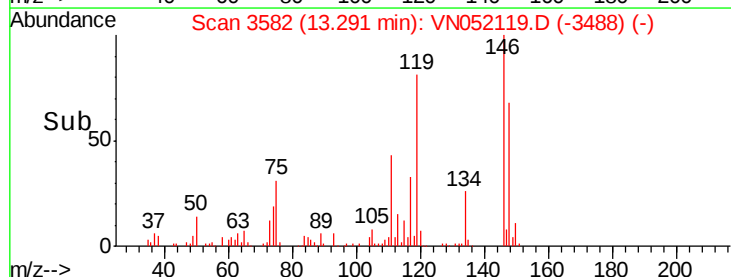
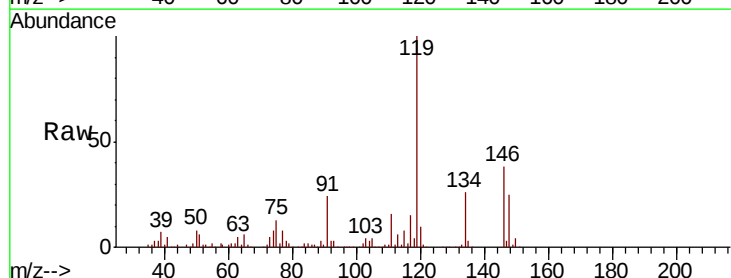
Manual Integrations  
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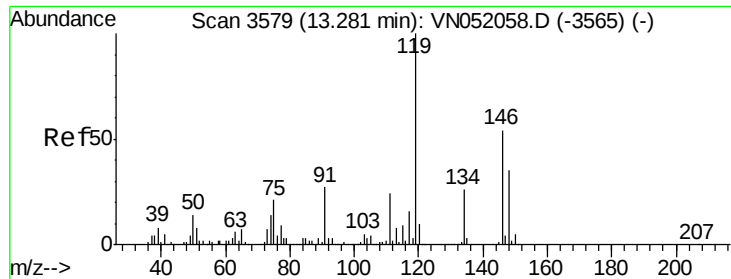
MMDadoda  
 11/5/2018 11:52:52 AM



#86  
 p-Isopropyltoluene  
 Concen: 19.087 ug/l  
 RT: 13.29 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 280558 |       |       |
| 134     | 26.5  | 12.8   | 38.3  |       |
| 91      | 25.1  | 13.4   | 40.2  |       |





#87

1,3-Dichlorobenzene

Concen: 19.708 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

Instrument :

MSVOA\_N

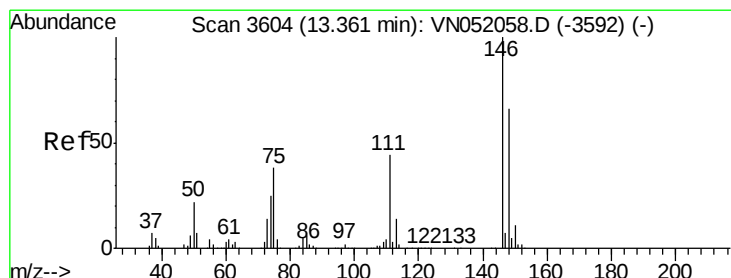
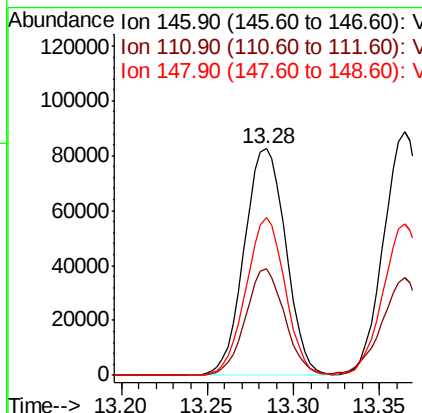
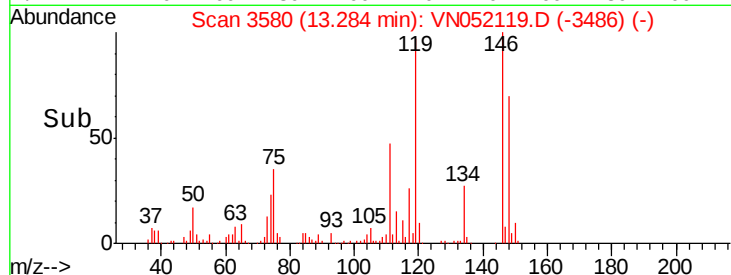
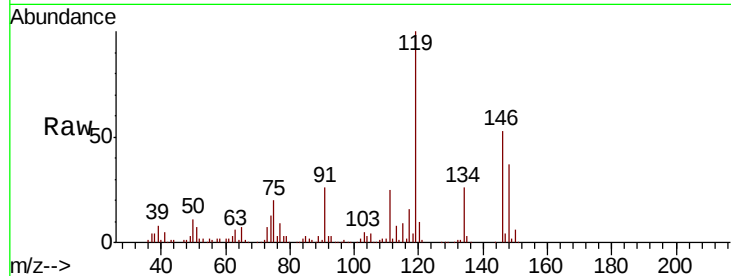
ClientSampleId :

VN1102WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 138983 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 44.3  | 22.9  | 68.8   |
| 148       | 65.6  | 31.8  | 95.4   |

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#88

1,4-Dichlorobenzene

Concen: 20.472 ug/l

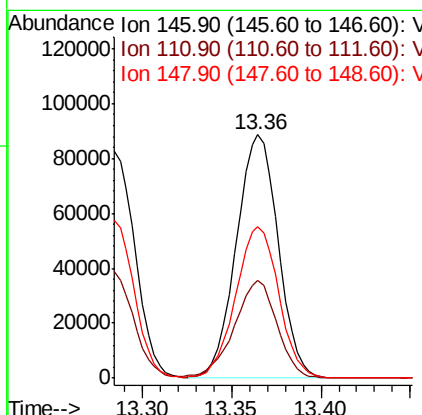
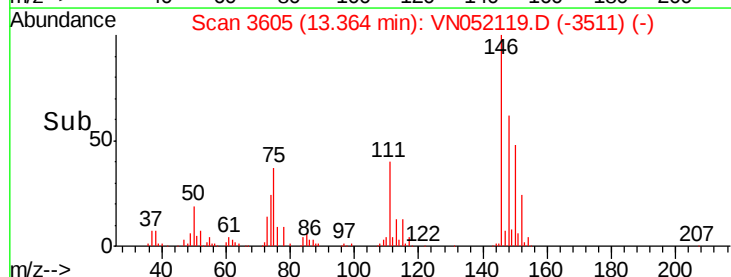
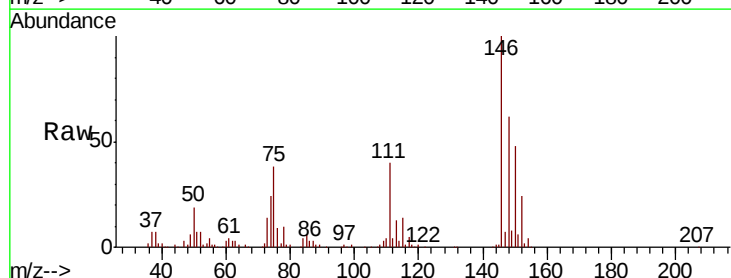
RT: 13.36 min Scan# 3605

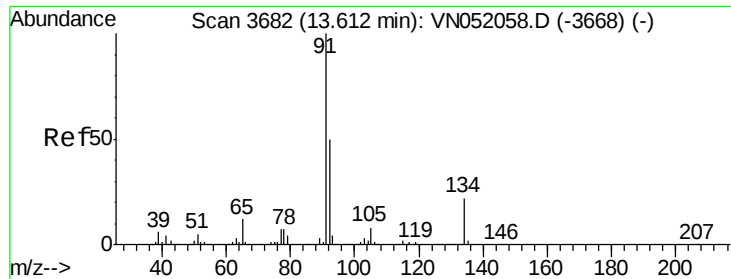
Delta R.T. 0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 144697 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 41.1  | 21.9  | 65.8   |
| 148       | 64.1  | 32.6  | 98.0   |





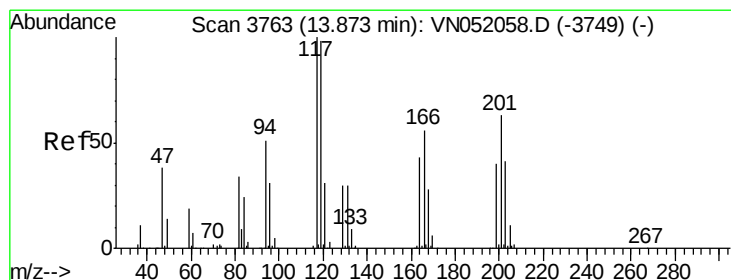
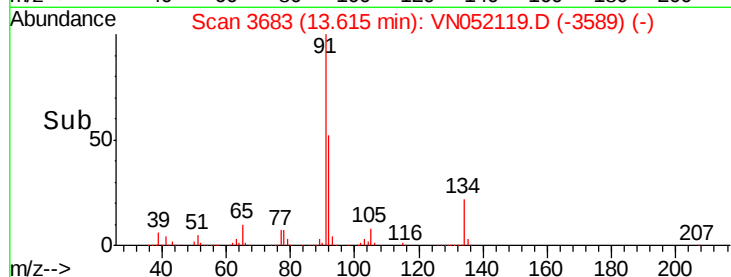
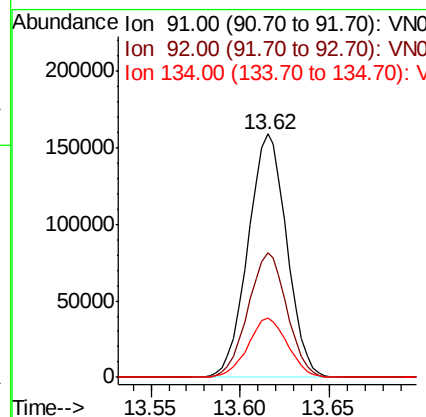
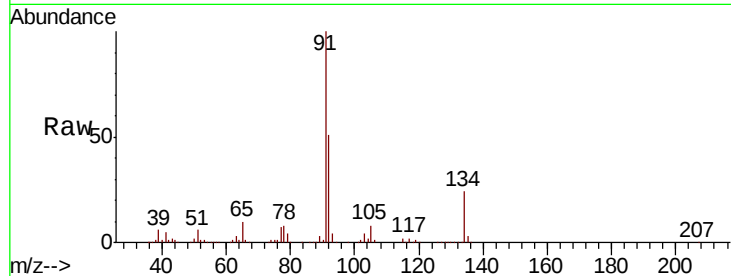
#89  
n-Butylbenzene  
Concen: 17.245 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. 0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1102WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.4  | 25.3  | 75.8  |
| 134     | 24.9  | 11.2  | 33.5  |

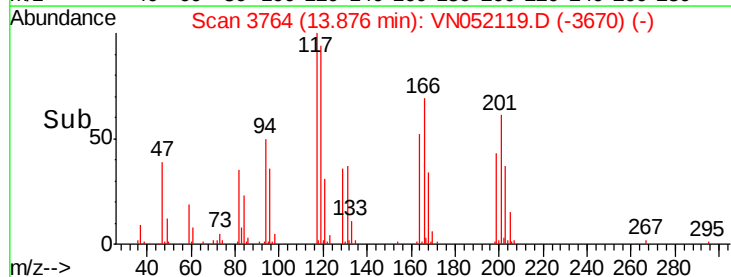
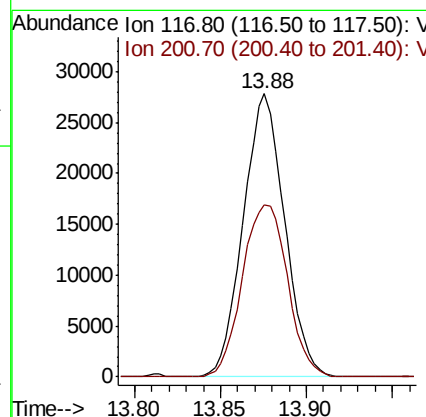
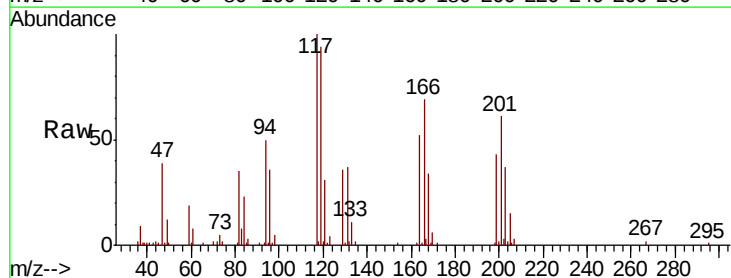
Manual Integrations  
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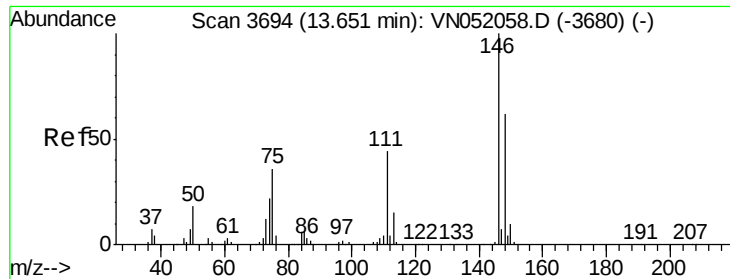
MMDadoda  
11/5/2018 11:52:52 AM



#90  
Hexachloroethane  
Concen: 18.436 ug/l  
RT: 13.88 min Scan# 3764  
Delta R.T. 0.00 min  
Lab File: VN052119.D  
Acq: 2 Nov 2018 10:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 66.3  | 31.1  | 93.5  |





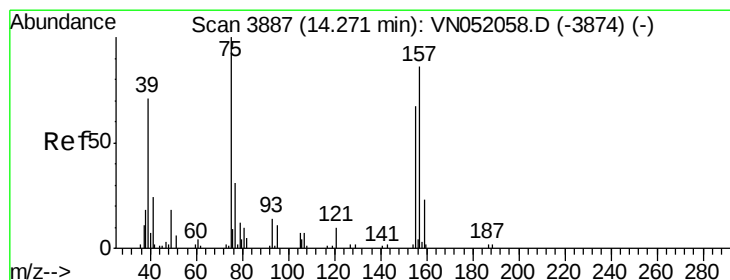
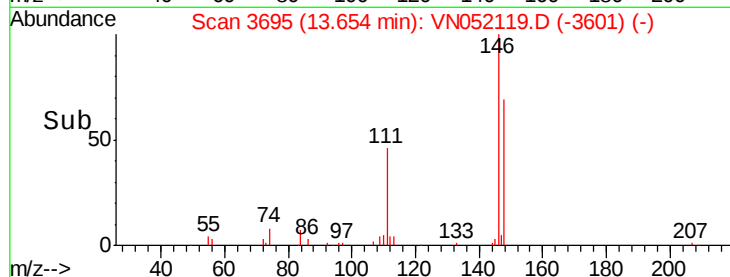
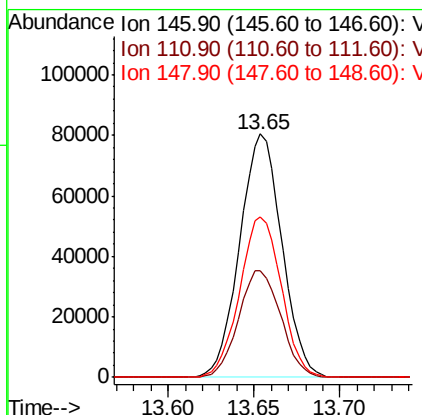
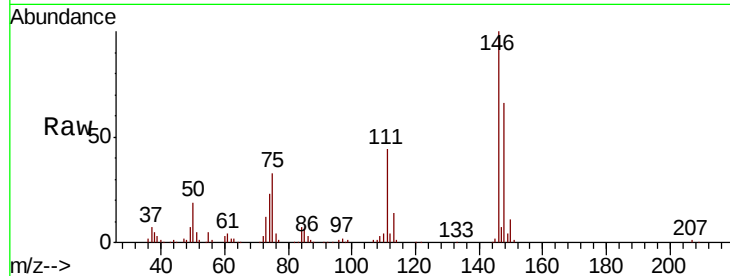
#91  
 1,2-Dichlorobenzene  
 Concen: 20.594 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1102WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.9  | 22.5  | 67.5  |
| 148     | 65.0  | 30.9  | 92.8  |

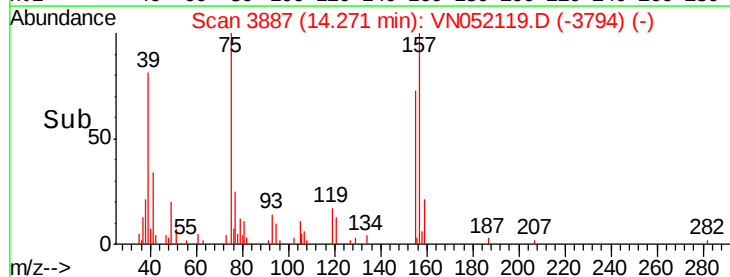
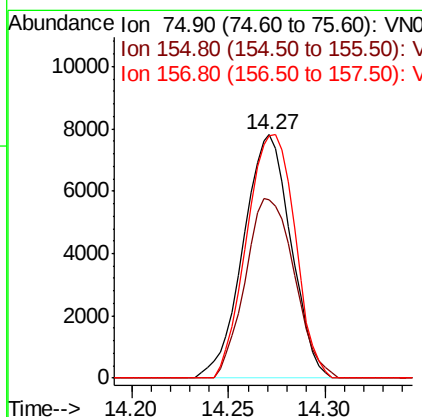
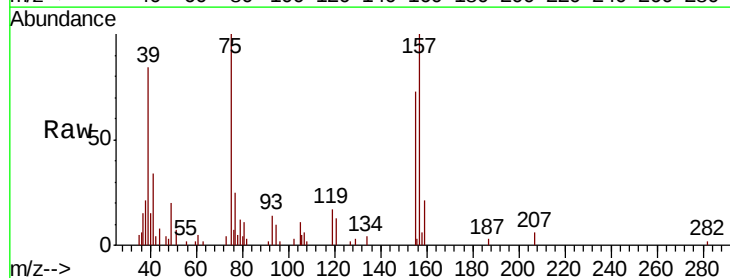
Manual Integrations  
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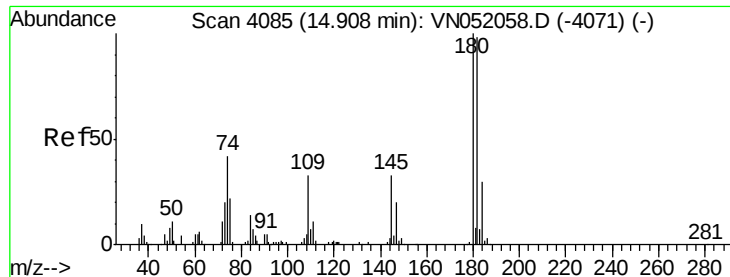
MMDadoda  
 11/5/2018 11:52:52 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.472 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. 0.00 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 76.1  | 34.0  | 102.0 |
| 157     | 101.5 | 42.1  | 126.4 |





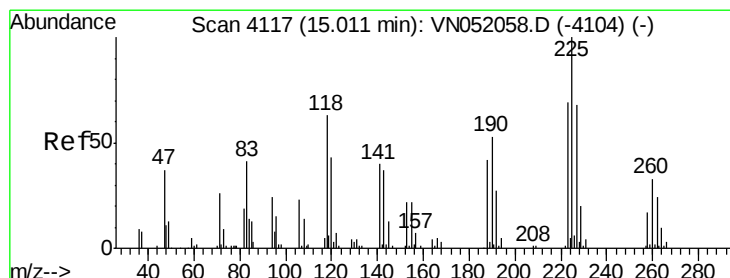
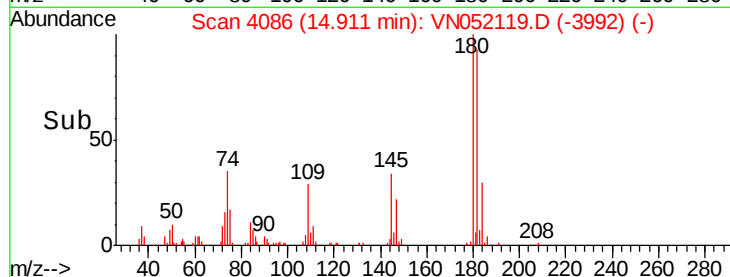
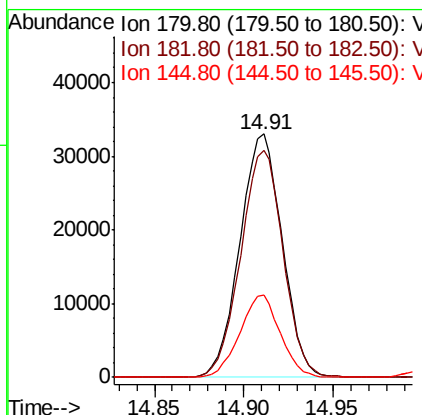
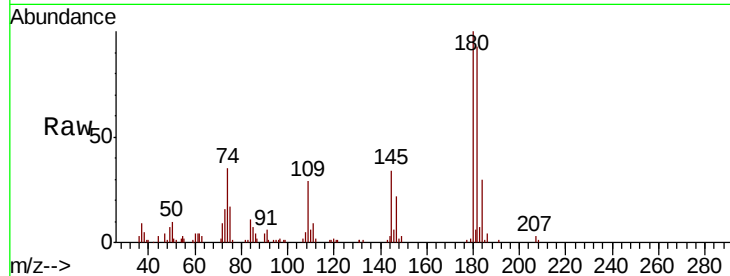
#93  
 1,2,4-Trichlorobenzene  
 Concen: 22.229 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1102WBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 93.3  | 49.1 | 147.4 |       |
| 145     | 32.2  | 16.4 | 49.2  |       |

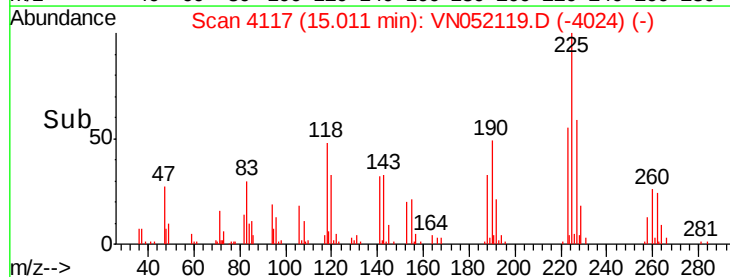
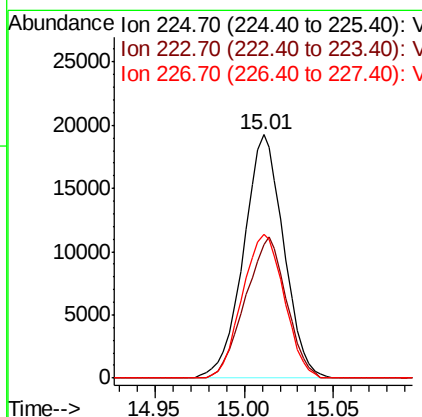
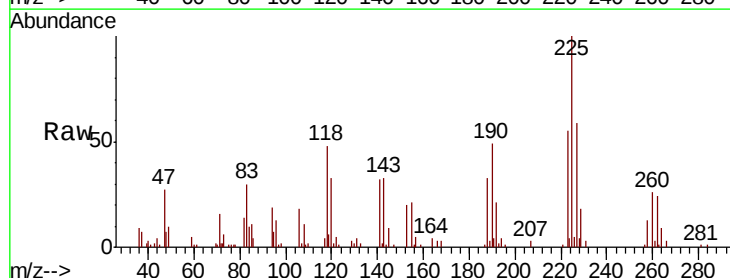
Manual Integrations  
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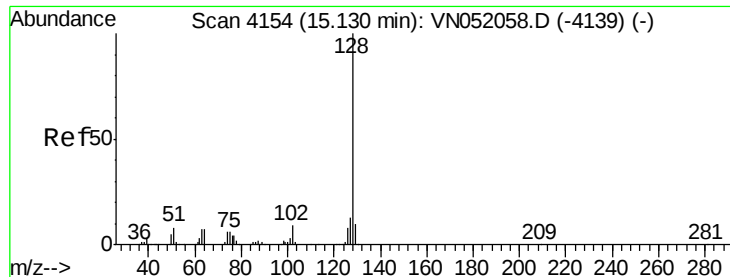
MMDadoda  
 11/5/2018 11:52:52 AM



#94  
 Hexachlorobutadiene  
 Concen: 21.913 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. -0.00 min  
 Lab File: VN052119.D  
 Acq: 2 Nov 2018 10:47

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 59.4  | 33.1 | 99.3  |       |
| 227     | 61.8  | 32.6 | 97.8  |       |





#95

Naphthalene

Concen: 22.715 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

Instrument :

MSVOA\_N

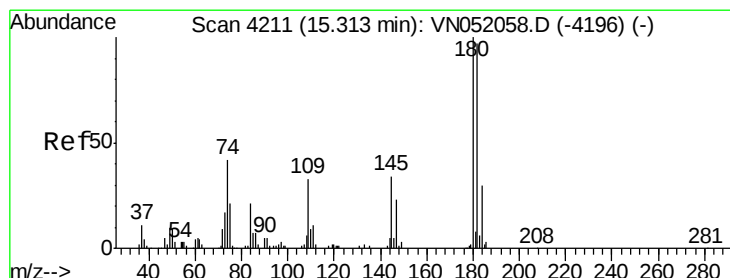
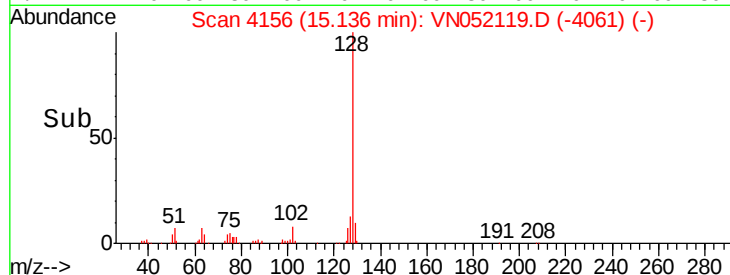
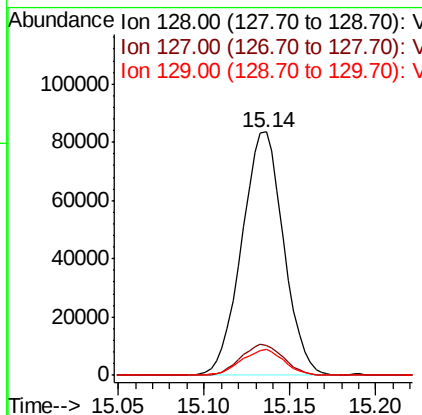
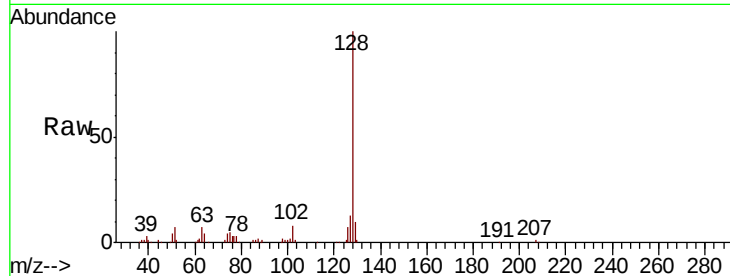
ClientSampleId :

VN1102WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 140669 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.2  | 10.5  | 15.7   |
| 129       | 10.7  | 8.6   | 12.8   |

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#96

1,2,3-Trichlorobenzene

Concen: 22.591 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052119.D

Acq: 2 Nov 2018 10:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 48133 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.6  | 47.2  | 141.6 |
| 145       | 31.6  | 16.6  | 49.7  |

