

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN101218\  
 Data File : VN051836.D  
 Acq On : 12 Oct 2018 16:40  
 Operator : MD\SY  
 Sample : VN1012WBSD01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN1012WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 10/15/2018 11:28:01 AM

Quant Time: Oct 13 02:01:21 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\624N101218W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Oct 12 10:23:44 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.20  | 128  | 130510   | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 744296   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 652311   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.03   | 65    | 247385   | 31.15    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 103.83% |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 273471   | 29.07    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 96.90%  |
| 63) Toluene-d8            | 10.09  | 98    | 876626   | 30.95    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 103.17% |

## Target Compounds

|                               |      |     |         |        |        | Qvalue |
|-------------------------------|------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 98973   | 19.52  | ug/l   | 99     |
| 3) Chloromethane              | 2.06 | 50  | 112840  | 21.06  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.18 | 62  | 165482  | 20.68  | ug/l   | 99     |
| 5) Bromomethane               | 2.57 | 94  | 149855  | 21.19  | ug/l   | 85     |
| 6) Chloroethane               | 2.70 | 64  | 125033  | 21.68  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 241242  | 21.14  | ug/l   | 96     |
| 8) Diethyl Ether              | 3.41 | 74  | 68593   | 20.65  | ug/l   | 73     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 133185  | 20.50  | ug/l # | 40     |
| 10) 1,1-Dichloroethene        | 3.74 | 96  | 122405  | 20.37  | ug/l   | 86     |
| 11) Methyl Iodide             | 3.95 | 142 | 168833  | 19.33  | ug/l   | 91     |
| 12) Methyl Acetate            | 4.33 | 43  | 78911   | 21.15  | ug/l # | 89     |
| 13) Acrolein                  | 3.61 | 56  | 22601   | 91.93  | ug/l   | 88     |
| 14) Acrylonitrile             | 5.00 | 53  | 174004  | 104.34 | ug/l # | 59     |
| 15) Acetone                   | 3.82 | 58  | 41712   | 101.18 | ug/l   | 88     |
| 16) Carbon Disulfide          | 4.05 | 76  | 293887  | 18.62  | ug/l   | 97     |
| 17) Allyl chloride            | 4.33 | 41  | 140517  | 19.70  | ug/l   | 73     |
| 18) Methylene Chloride        | 4.55 | 84  | 139676  | 20.79  | ug/l   | 88     |
| 19) trans-1,2-Dichloroethene  | 5.05 | 96  | 134365  | 19.58  | ug/l   | 86     |
| 20) Diisopropyl ether         | 5.95 | 45  | 326254  | 20.53  | ug/l # | 89     |
| 21) 1,1-Dichloroethane        | 5.85 | 63  | 231470  | 20.85  | ug/l # | 97     |
| 22) cis-1,2-Dichloroethene    | 6.83 | 96  | 162846  | 20.21  | ug/l # | 82     |
| 23) tert-Butyl Alcohol        | 4.79 | 59  | 45647   | 103.93 | ug/l # | 100    |
| 24) Methyl tert-Butyl Ether   | 5.05 | 73  | 357993m | 20.68  | ug/l   |        |
| 25) Chloroform                | 7.37 | 83  | 270942  | 20.57  | ug/l   | 96     |
| 26) Cyclohexane               | 7.66 | 56  | 189001  | 20.08  | ug/l # | 72     |
| 29) 1,1-Dichloropropene       | 7.80 | 75  | 189983  | 19.80  | ug/l   | 94     |
| 30) 2-Butanone                | 6.84 | 43  | 193306  | 96.40  | ug/l # | 86     |
| 31) 2,2-Dichloropropane       | 6.83 | 77  | 200785  | 17.79  | ug/l # | 77     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 250579  | 19.70  | ug/l   | 96     |
| 33) Carbon Tetrachloride      | 7.78 | 117 | 221948  | 19.29  | ug/l   | 92     |
| 34) Benzene                   | 8.04 | 78  | 573582  | 20.21  | ug/l # | 68     |
| 35) Methacrylonitrile         | 7.18 | 41  | 45363   | 17.22  | ug/l   | 83     |
| 36) 1,2-Dichloroethane        | 8.13 | 62  | 184082  | 20.24  | ug/l   | 96     |
| 37) Trichloroethene           | 8.84 | 130 | 172719  | 19.61  | ug/l   | 98     |
| 38) Methylcyclohexane         | 9.08 | 83  | 240841  | 19.57  | ug/l   | 79     |
| 39) 1,2-Dichloropropane       | 9.12 | 63  | 135471  | 20.27  | ug/l   | 97     |
| 40) Dibromomethane            | 9.21 | 93  | 100422  | 20.25  | ug/l   | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN101218\  
 Data File : VN051836.D  
 Acq On : 12 Oct 2018 16:40  
 Operator : MD\SY  
 Sample : VN1012WBSD01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN1012WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 10/15/2018 11:28:01 AM

Quant Time: Oct 13 02:01:21 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\624N101218W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Oct 12 10:23:44 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 41) Bromodichloromethane       | 9.40  | 83   | 198893   | 19.41  | ug/l   | 94       |
| 42) Vinyl Acetate              | 5.90  | 43   | 1131659  | 100.25 | ug/l # | 90       |
| 43) Ethyl Acetate              | 6.93  | 43   | 91372    | 20.98  | ug/l   | 99       |
| 44) Isopropyl Acetate          | 8.17  | 43   | 177453   | 20.40  | ug/l   | 99       |
| 45) 1,4-Dioxane                | 9.20  | 88   | 28572    | 409.15 | ug/l # | 78       |
| 46) Methyl methacrylate        | 9.20  | 41   | 81289    | 20.26  | ug/l   | 76       |
| 47) n-amyl Acetate             | 12.07 | 43   | 132332   | 18.18  | ug/l # | 73       |
| 48) t-1,3-Dichloropropene      | 10.38 | 75   | 184000   | 18.42  | ug/l   | 100      |
| 49) cis-1,3-Dichloropropene    | 9.84  | 75   | 207037   | 18.80  | ug/l   | 98       |
| 50) 1,1,2-Trichloroethane      | 10.56 | 97   | 139564   | 20.36  | ug/l   | 95       |
| 51) Ethyl methacrylate         | 10.43 | 69   | 157157   | 20.03  | ug/l   | 83       |
| 52) 1,3-Dichloropropane        | 10.71 | 76   | 215768   | 20.40  | ug/l   | 97       |
| 53) Dibromochloromethane       | 10.90 | 129  | 155491   | 18.34  | ug/l   | 96       |
| 54) 1,2-Dibromoethane          | 11.01 | 107  | 139918   | 19.45  | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether  | 9.70  | 63   | 327387   | 97.60  | ug/l # | 92       |
| 56) Bromoform                  | 12.13 | 173  | 94268    | 16.86  | ug/l # | 91       |
| 58) 4-Methyl-2-Pentanone       | 9.99  | 43   | 474239   | 108.64 | ug/l # | 89       |
| 59) 2-Hexanone                 | 10.75 | 43   | 294376   | 99.96  | ug/l   | 91       |
| 61) Tetrachloroethene          | 10.63 | 164  | 170184   | 20.40  | ug/l   | 95       |
| 62) Toluene                    | 10.16 | 91   | 661361   | 20.41  | ug/l   | 98       |
| 64) Chlorobenzene              | 11.43 | 112  | 431401   | 20.33  | ug/l   | 97       |
| 65) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 162706   | 19.97  | ug/l   | 99       |
| 66) Ethyl Benzene              | 11.51 | 91   | 721523   | 20.15  | ug/l   | 100      |
| 67) m/p-Xylenes                | 11.62 | 106  | 575786   | 39.65  | ug/l   | 98       |
| 68) o-Xylene                   | 11.95 | 106  | 289051   | 20.19  | ug/l   | 88       |
| 69) Styrene                    | 11.96 | 104  | 426392   | 19.41  | ug/l   | 97       |
| 70) Isopropylbenzene           | 12.25 | 105  | 758361   | 19.87  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 159476   | 21.16  | ug/l   | 96       |
| 72) 1,2,3-Trichloropropane     | 12.55 | 75   | 132988m  | 22.43  | ug/l   |          |
| 73) Bromobenzene               | 12.53 | 156  | 182136   | 19.26  | ug/l   | 84       |
| 74) n-propylbenzene            | 12.59 | 91   | 805592   | 19.62  | ug/l   | 95       |
| 75) 2-Chlorotoluene            | 12.68 | 91   | 478863   | 19.89  | ug/l   | 95       |
| 76) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 625323   | 19.81  | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene    | 12.30 | 75   | 31060    | 15.84  | ug/l   | 96       |
| 78) 4-Chlorotoluene            | 12.77 | 91   | 453951   | 19.19  | ug/l   | 92       |
| 79) tert-butylbenzene          | 12.99 | 119  | 571074   | 19.67  | ug/l   | 96       |
| 80) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 615888   | 19.52  | ug/l   | 96       |
| 81) sec-Butylbenzene           | 13.17 | 105  | 738323   | 19.44  | ug/l   | 98       |
| 82) p-Isopropyltoluene         | 13.29 | 119  | 645185   | 18.99  | ug/l   | 97       |
| 83) 1,3-Dichlorobenzene        | 13.28 | 146  | 308413   | 18.49  | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene        | 13.36 | 146  | 283010   | 18.02  | ug/l   | 98       |
| 85) n-Butylbenzene             | 13.62 | 91   | 470763   | 18.37  | ug/l   | 96       |
| 86) Hexachloroethane           | 13.87 | 117  | 103858   | 17.73  | ug/l   | 89       |
| 87) 1,2-Dichlorobenzene        | 13.65 | 146  | 306711   | 18.99  | ug/l   | 96       |
| 88) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 20335    | 18.06  | ug/l # | 72       |
| 89) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 114952   | 18.51  | ug/l   | 98       |
| 90) Hexachlorobutadiene        | 15.01 | 225  | 94592    | 18.17  | ug/l   | 96       |
| 91) Naphthalene                | 15.13 | 128  | 226964   | 18.81  | ug/l   | 98       |
| 92) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 125295   | 17.05  | ug/l   | 93       |
| -----                          |       |      |          |        |        |          |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN101218\  
Data File : VN051836.D  
Acq On : 12 Oct 2018 16:40  
Operator : MD\SY  
Sample : VN1012WBSD01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 15 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD01

Manual Integrations  
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10/15/2018 11:28:01 AM

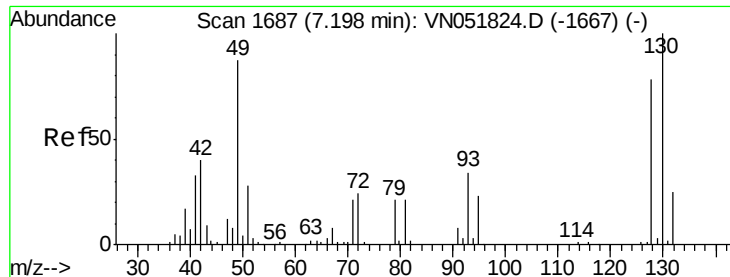
Quant Time: Oct 13 02:01:21 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\624N101218W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Oct 12 10:23:44 2018  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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





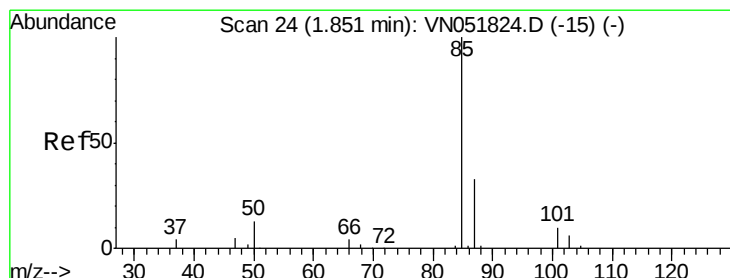
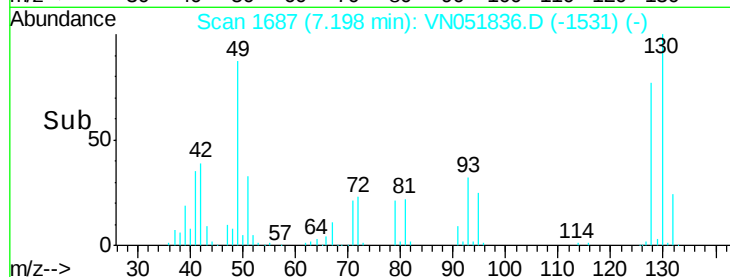
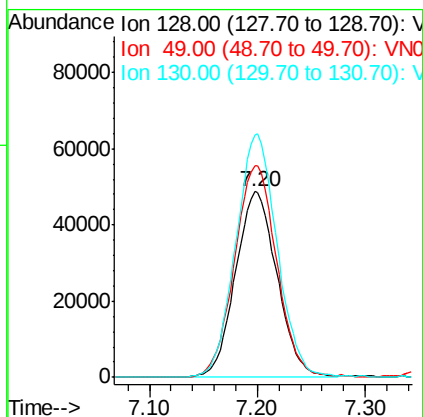
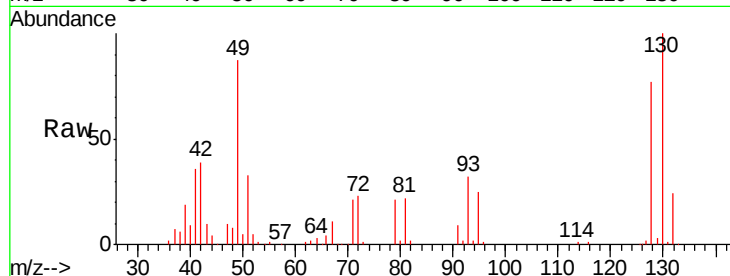
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Bromochloromethane  
Concen: 30.00 ug/l  
RT: 7.20 min Scan# 1687  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 130510 |       |       |
| 49      | 115.7 | 0.0    | 403.3 |       |
| 130     | 130.4 | 0.0    | 326.0 |       |

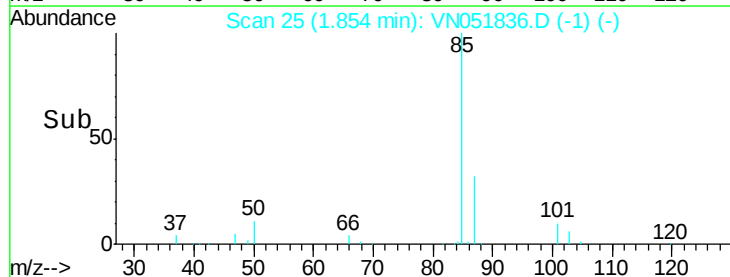
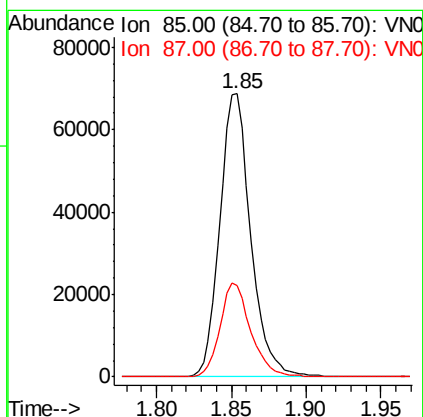
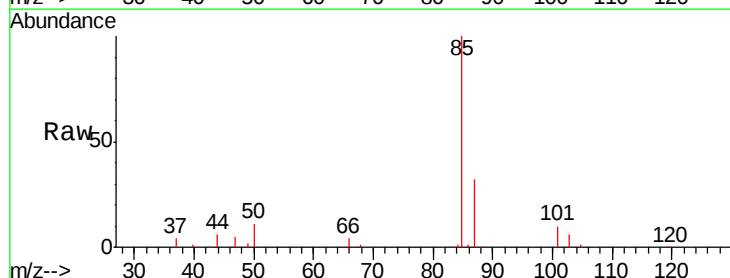
Manual Integrations  
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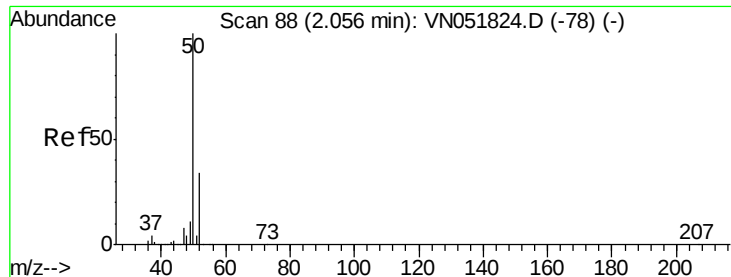
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#2  
Dichlorodifluoromethane  
Concen: 19.52 ug/l  
RT: 1.85 min Scan# 25  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 85      | 100   | 98973 |       |       |
| 87      | 32.1  | 16.3  | 48.8  |       |





#3

Chloromethane

Concen: 21.06 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD01

Tgt Ion: 50 Resp: 112840

Ion Ratio Lower Upper

50 100

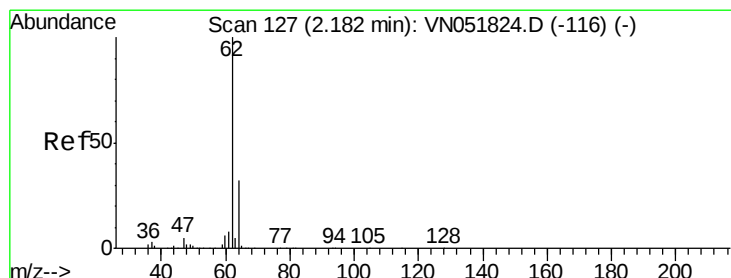
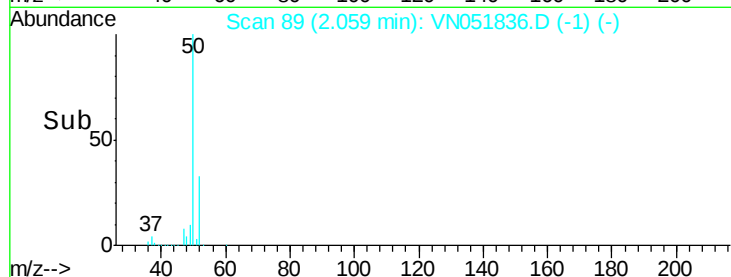
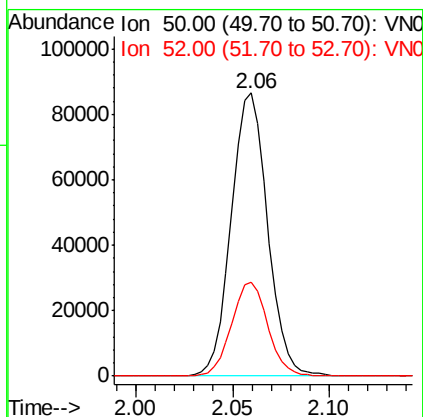
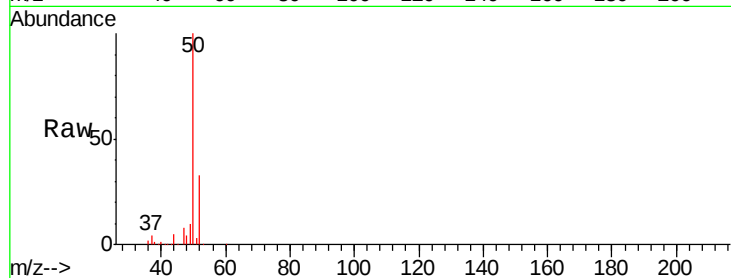
52 33.4 27.2 40.8

Manual Integrations

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10/15/2018 11:28:01 AM



#4

Vinyl Chloride

Concen: 20.68 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051836.D

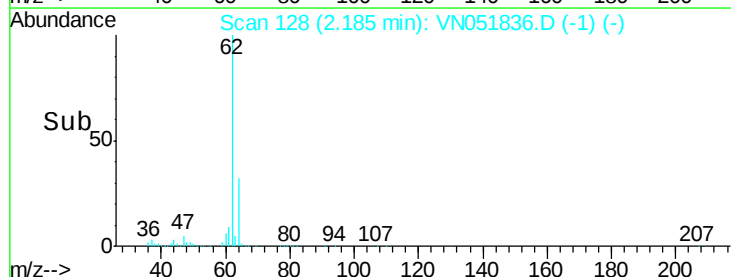
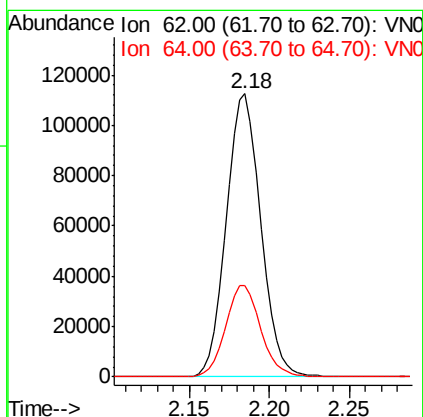
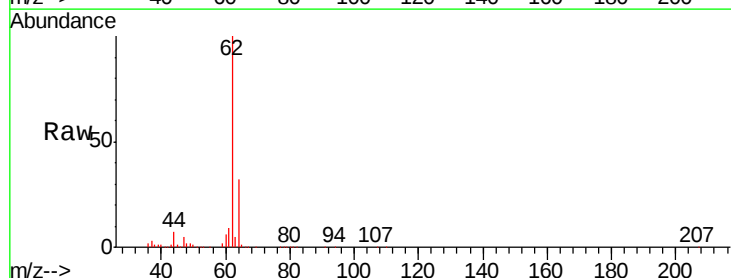
Acq: 12 Oct 2018 16:40

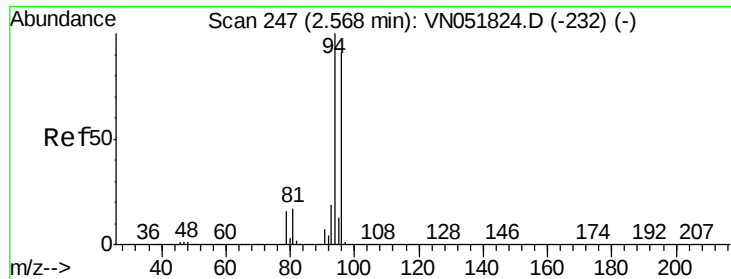
Tgt Ion: 62 Resp: 165482

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2





#5

Bromomethane

Concen: 21.19 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD01

Tgt Ion: 94 Resp: 149855

Ion Ratio Lower Upper

94 100

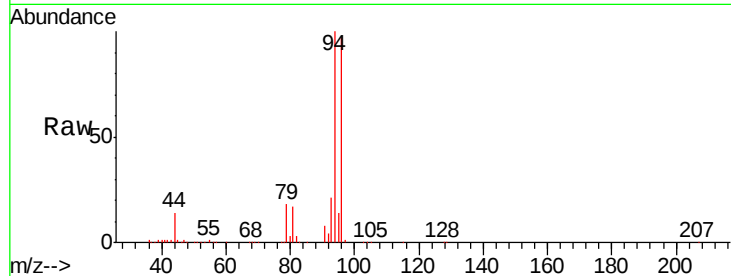
96 96.9 66.4 99.6

Manual Integrations

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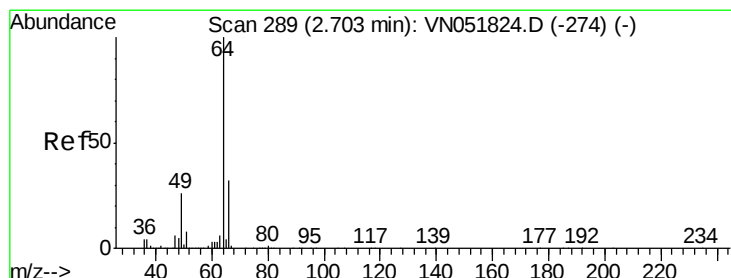
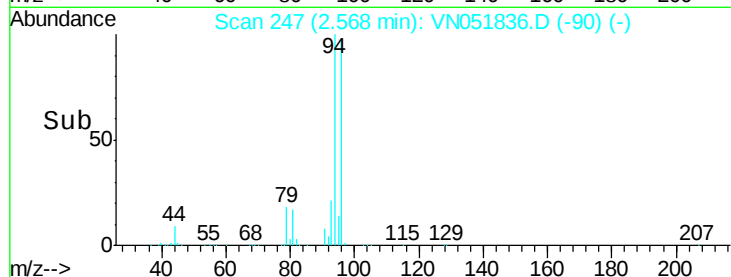
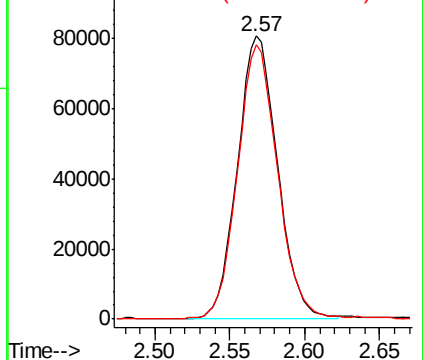
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.68 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051836.D

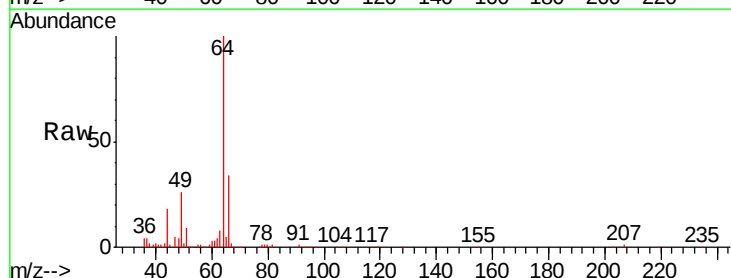
Acq: 12 Oct 2018 16:40

Tgt Ion: 64 Resp: 125033

Ion Ratio Lower Upper

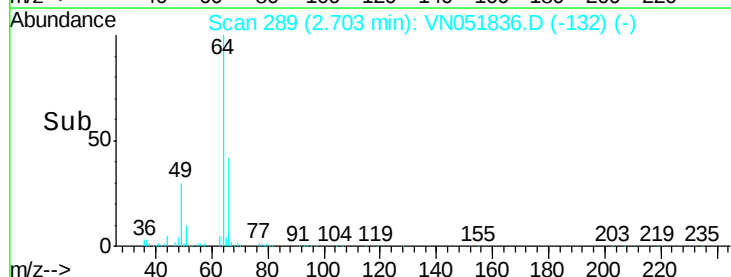
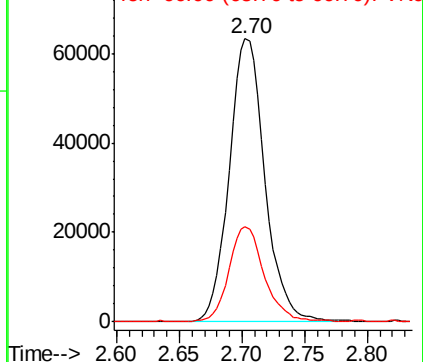
64 100

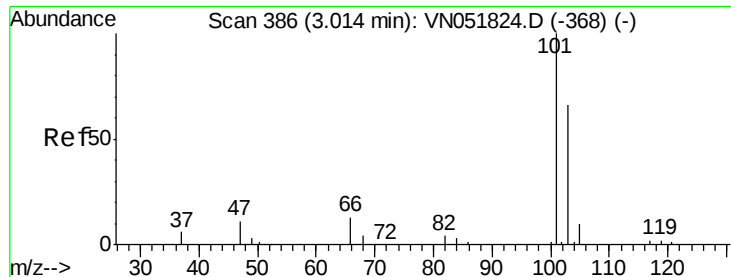
66 33.8 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

Trichlorofluoromethane

Concen: 21.14 ug/l

RT: 3.01 min Scan# 385

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD01

Tgt Ion:101 Resp: 241242

Ion Ratio Lower Upper

101 100

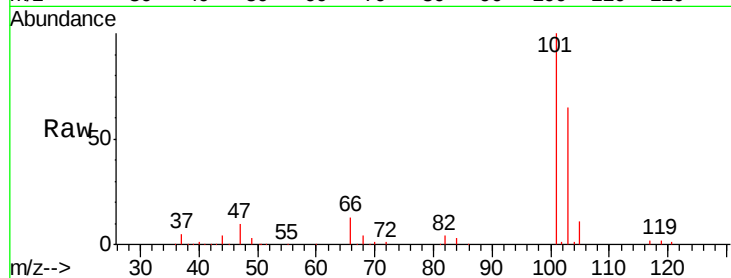
103 65.0 54.8 82.2

Manual Integrations

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10/15/2018 11:28:01 AM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

120000

100000

80000

60000

40000

20000

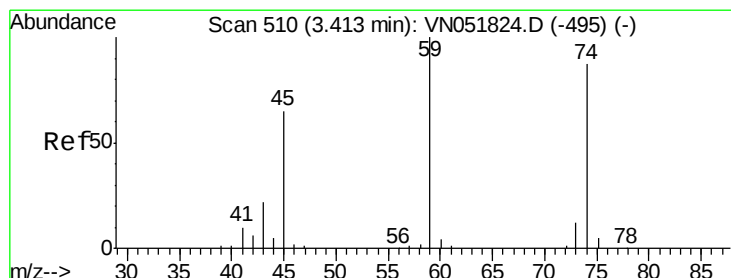
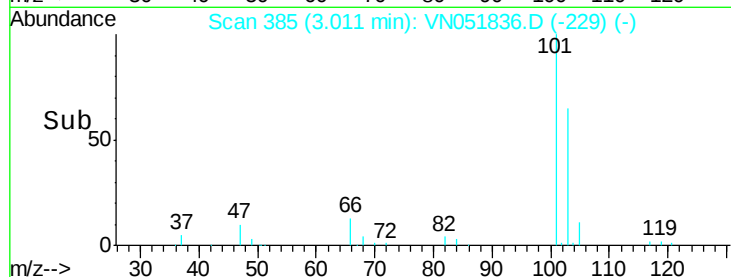
0

3.01

3.05

3.10

Time-->



#8

Diethyl Ether

Concen: 20.65 ug/l

RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN051836.D

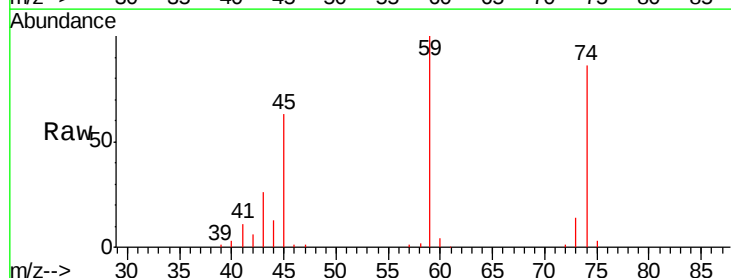
Acq: 12 Oct 2018 16:40

Tgt Ion: 74 Resp: 68593

Ion Ratio Lower Upper

74 100

45 76.3 20.7 186.5



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

30000

20000

10000

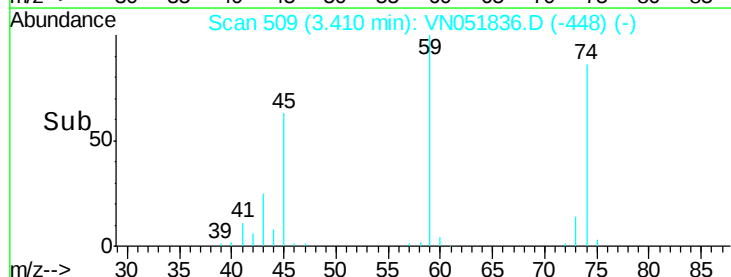
0

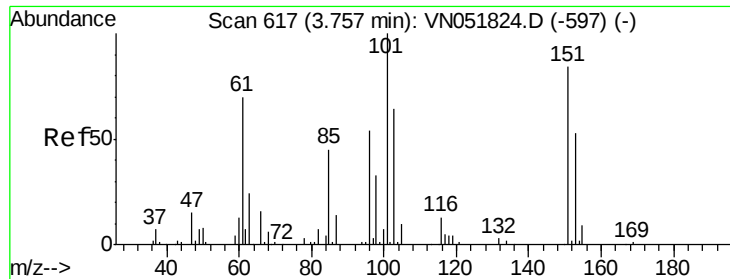
3.41

3.45

3.50

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.50 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

Instrument :

MSVOA\_N

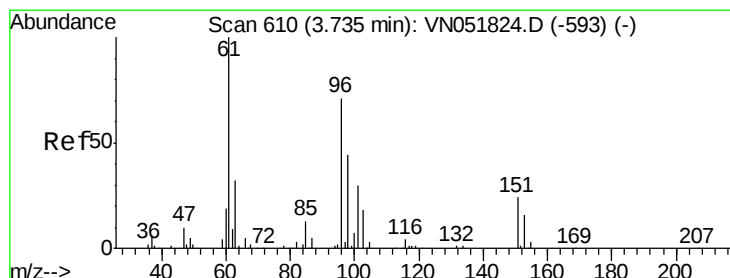
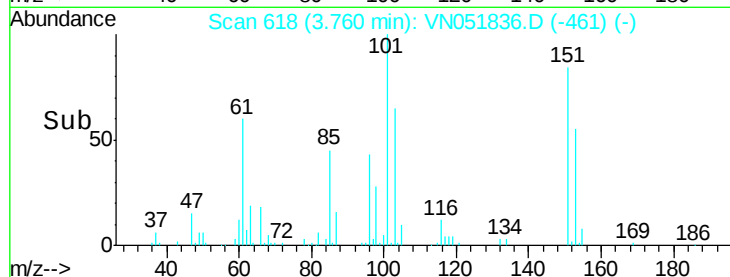
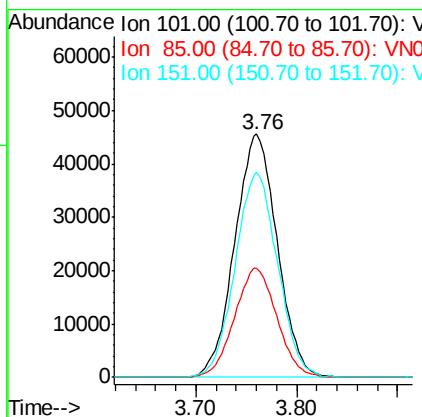
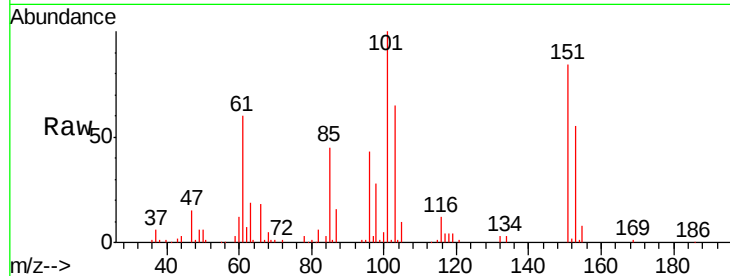
ClientSampleId :

VN1012WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 101   | Resp: | 133185 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 44.7  | 0.0   | 46.0   |
| 151       | 84.1  | 0.0   | 82.2#  |

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#10

1,1-Dichloroethene

Concen: 20.37 ug/l

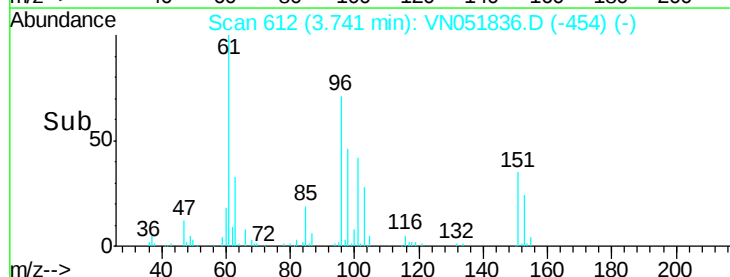
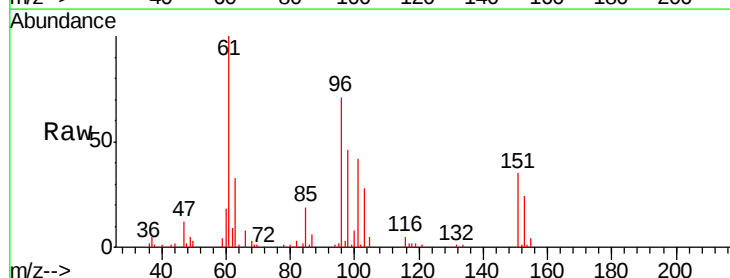
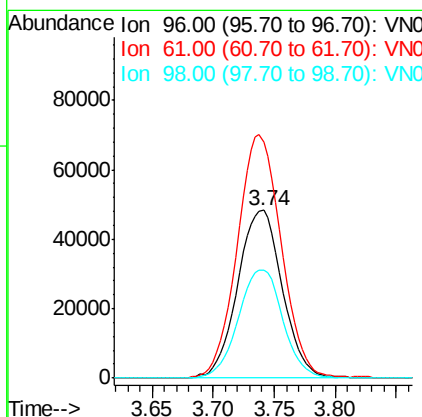
RT: 3.74 min Scan# 612

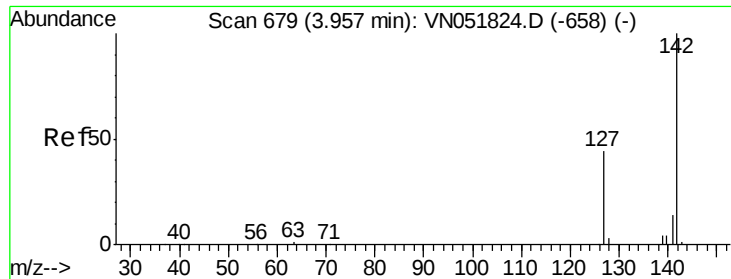
Delta R.T. 0.01 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 96    | Resp: | 122405 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 140.2 | 133.0 | 199.6  |
| 98        | 64.1  | 52.6  | 78.8   |





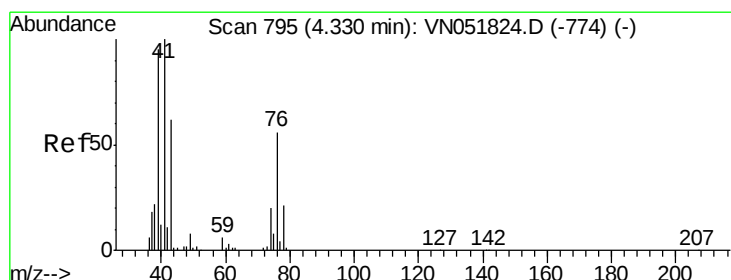
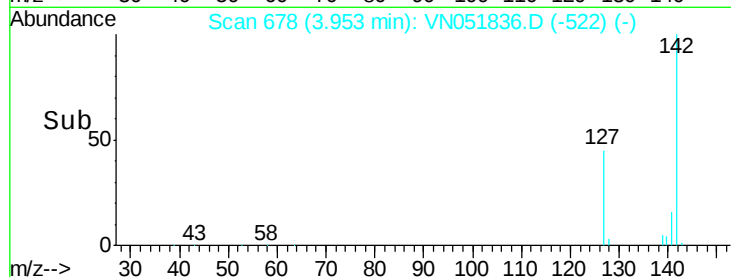
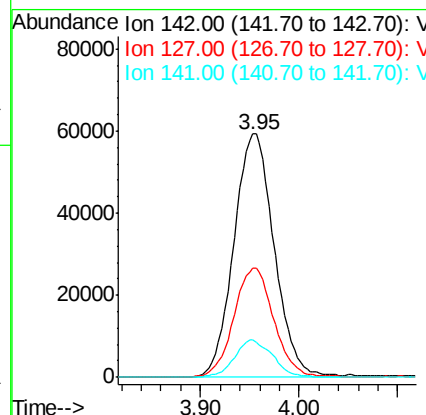
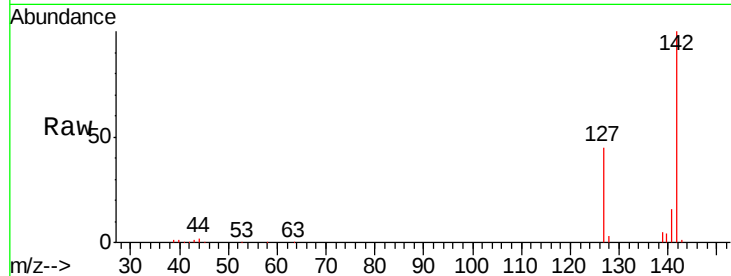
#11  
Methyl Iodide  
Concen: 19.33 ug/l  
RT: 3.95 min Scan# 678  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 44.9  | 19.7  | 59.0  |
| 141     | 15.6  | 6.3   | 18.9  |

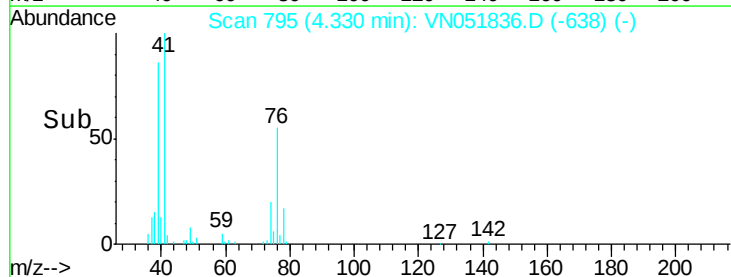
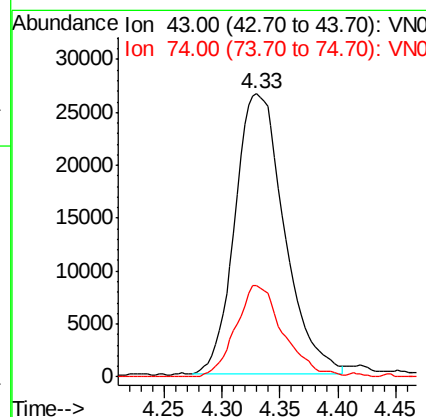
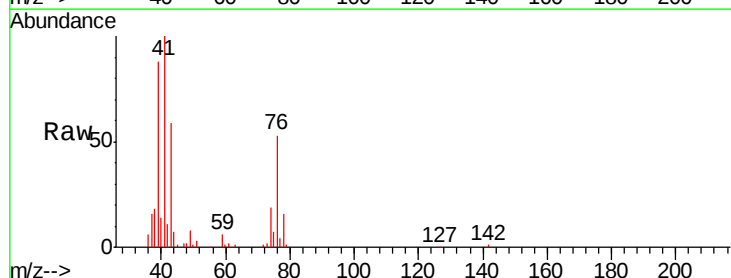
Manual Integrations  
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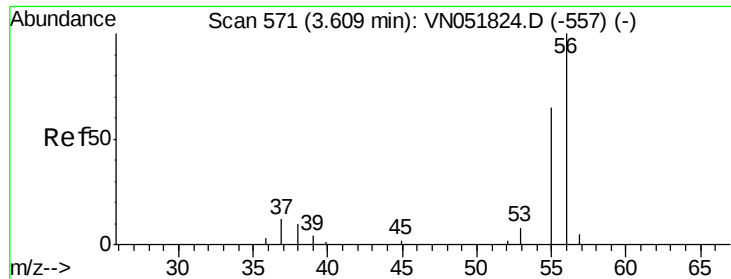
MMDadoda  
10/15/2018 11:28:01 AM



#12  
Methyl Acetate  
Concen: 21.15 ug/l  
RT: 4.33 min Scan# 795  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 32.8  | 21.8  | 32.6# |





#13

Acrolein

Concen: 91.93 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD01

Tgt Ion: 56 Resp: 22601

Ion Ratio Lower Upper

56 100

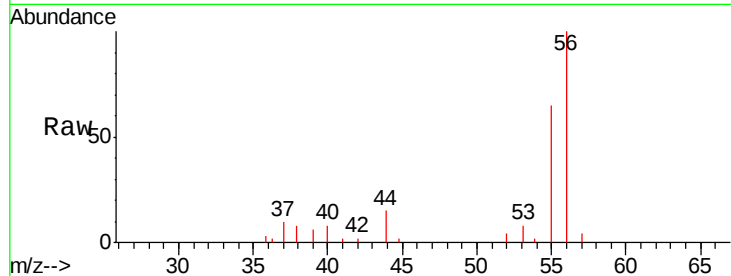
55 69.7 64.0 96.0

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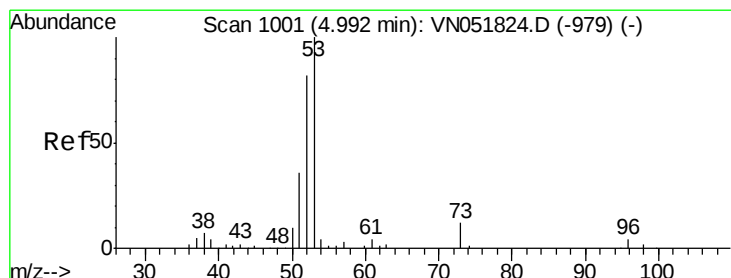
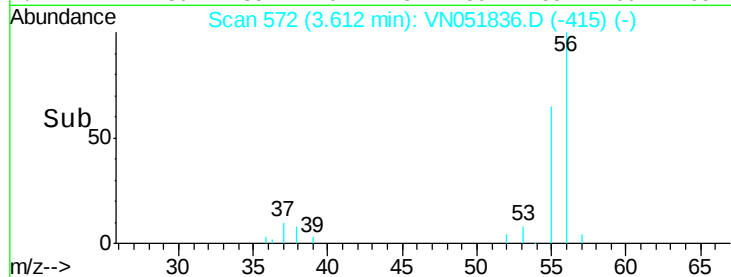
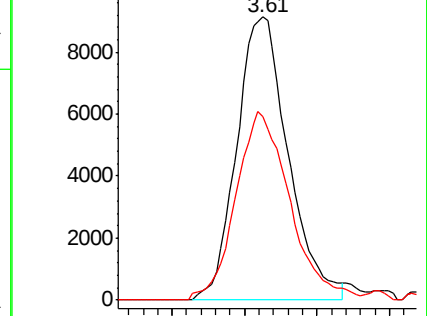
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 104.34 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

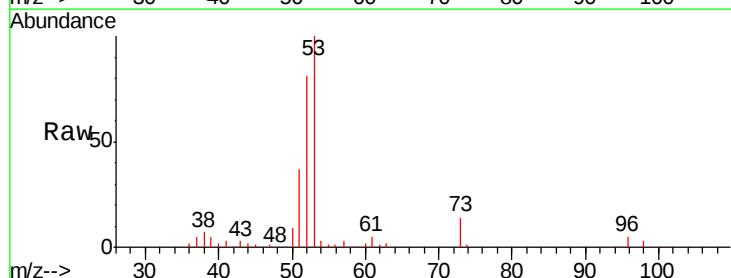
Tgt Ion: 53 Resp: 174004

Ion Ratio Lower Upper

53 100

52 83.7 18.3 54.8#

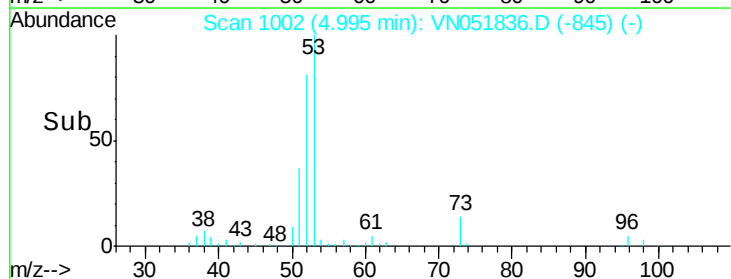
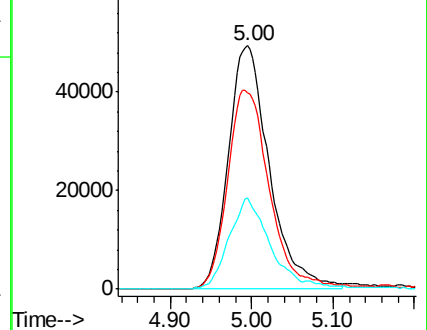
51 36.1 19.7 59.1

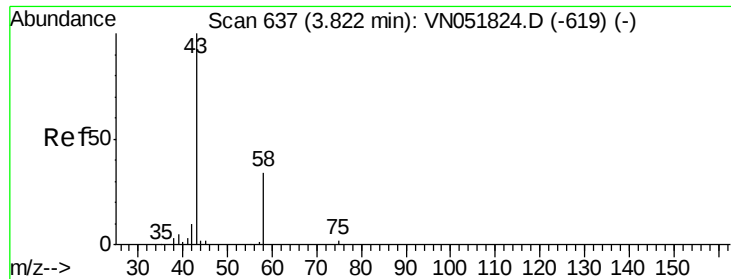


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 101.18 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD01

Tgt Ion: 58 Resp: 41712

Ion Ratio Lower Upper

58 100

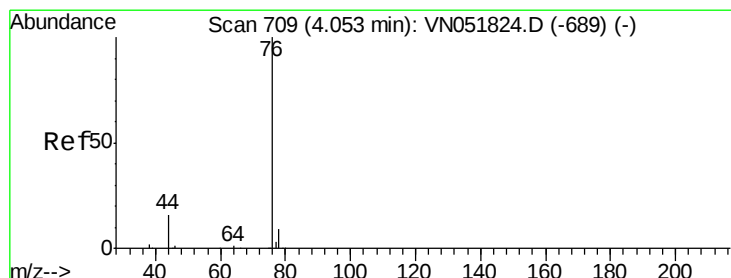
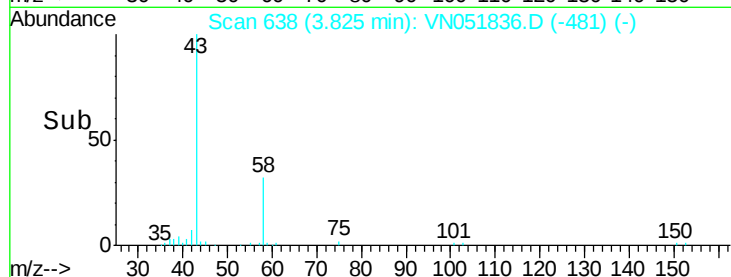
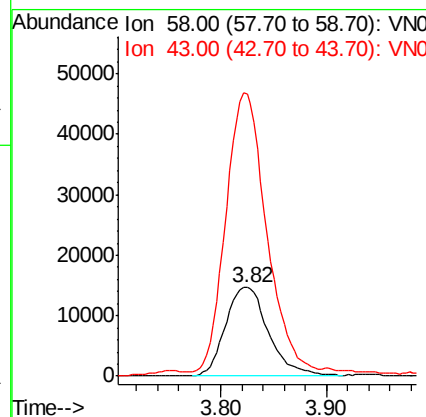
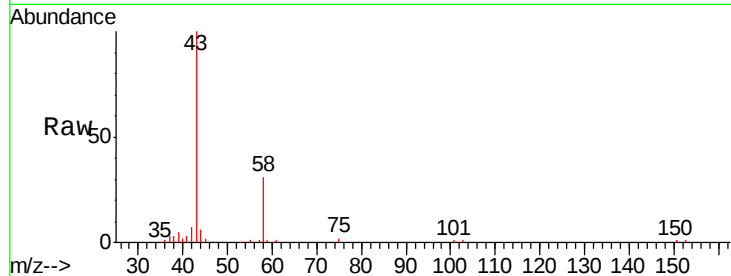
43 313.4 232.2 348.2

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#16

Carbon Disulfide

Concen: 18.62 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051836.D

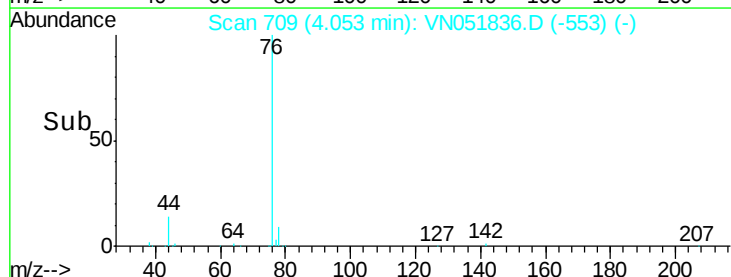
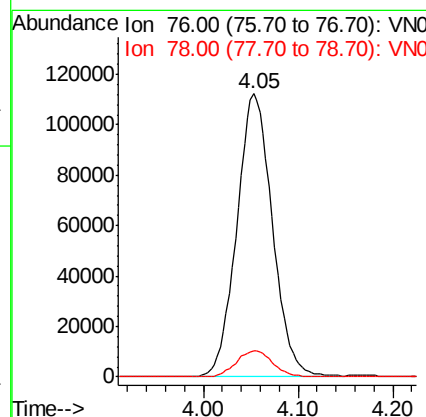
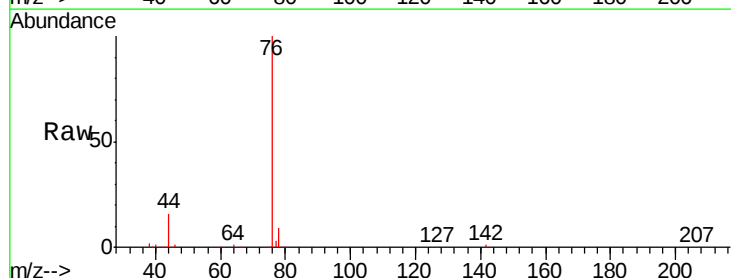
Acq: 12 Oct 2018 16:40

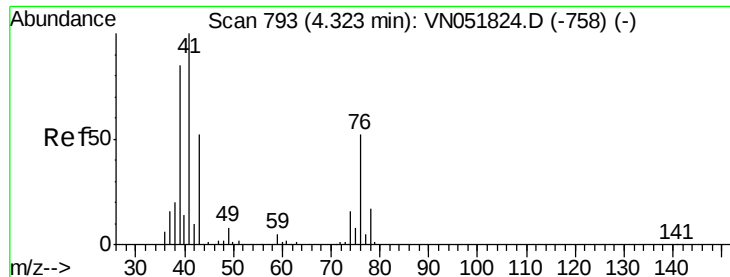
Tgt Ion: 76 Resp: 293887

Ion Ratio Lower Upper

76 100

78 9.3 6.7 10.1





#17

Allyl chloride

Concen: 19.70 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

Instrument :

MSVOA\_N

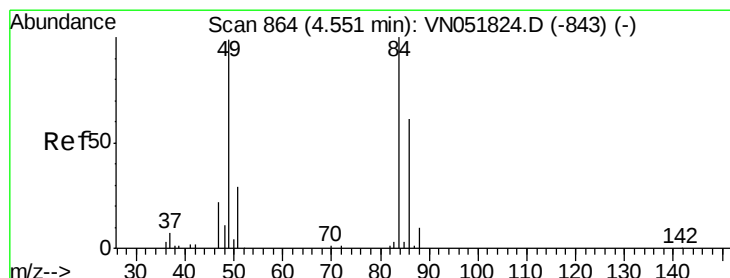
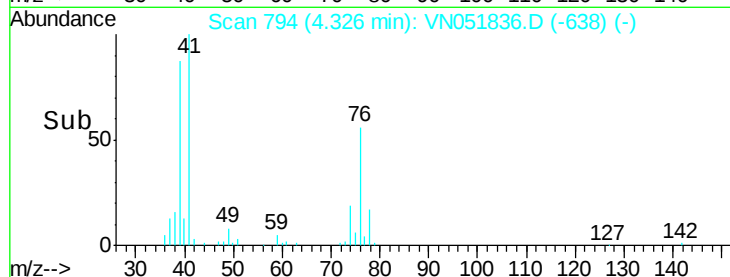
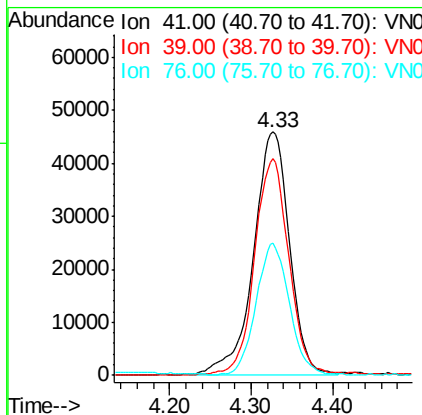
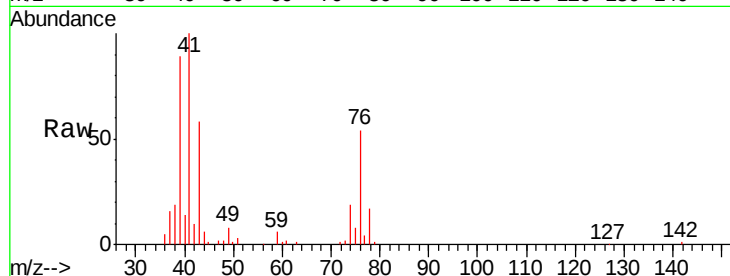
ClientSampleId :

VN1012WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 140517 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 89.0  | 32.6  | 97.8   |
| 76       | 54.0  | 20.2  | 60.5   |

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#18

Methylene Chloride

Concen: 20.79 ug/l

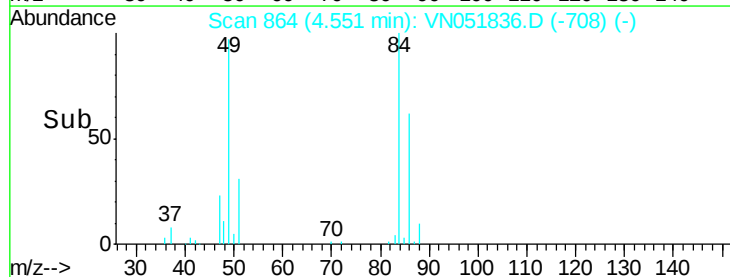
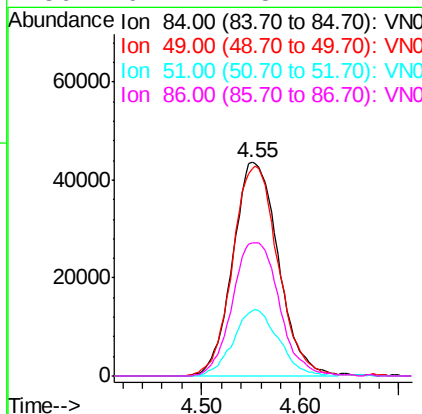
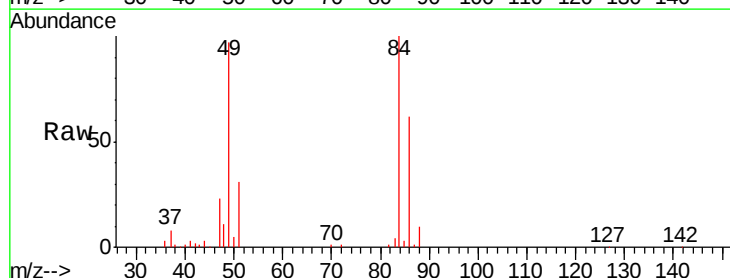
RT: 4.55 min Scan# 864

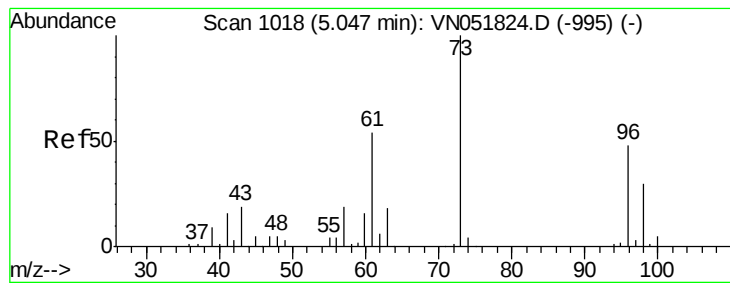
Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 139676 |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 96.7  | 91.6  | 137.4  |
| 51       | 30.7  | 29.8  | 44.6   |
| 86       | 62.2  | 48.2  | 72.4   |





#19

trans-1,2-Dichloroethene

Concen: 19.58 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

Instrument :

MSVOA\_N

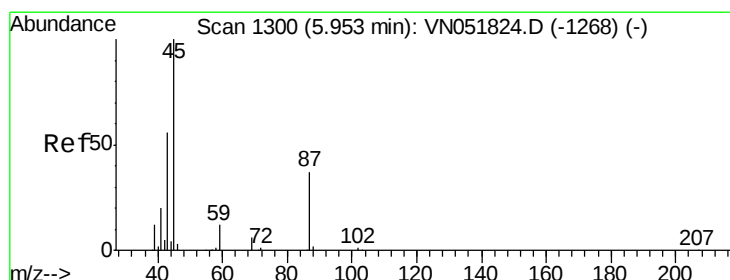
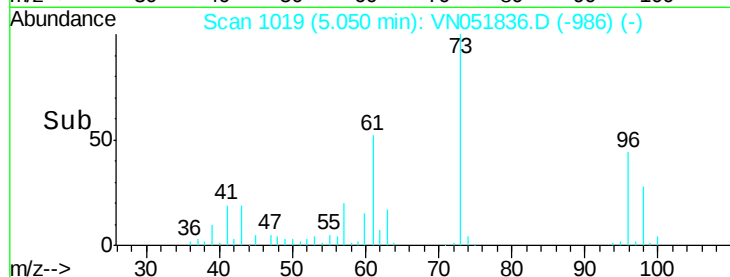
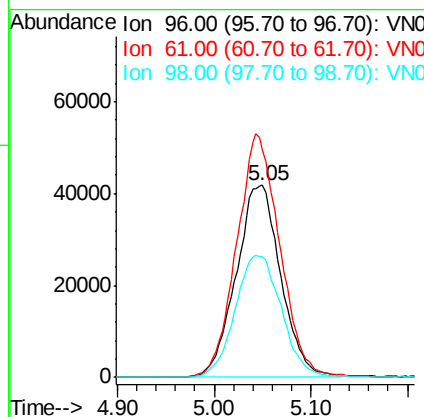
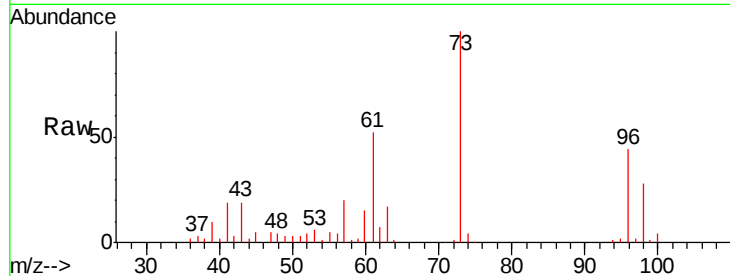
ClientSampleId :

VN1012WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 134365 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 118.3 | 112.3 | 168.5  |
| 98       | 62.7  | 47.1  | 70.7   |

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#20

Diisopropyl ether

Concen: 20.53 ug/l

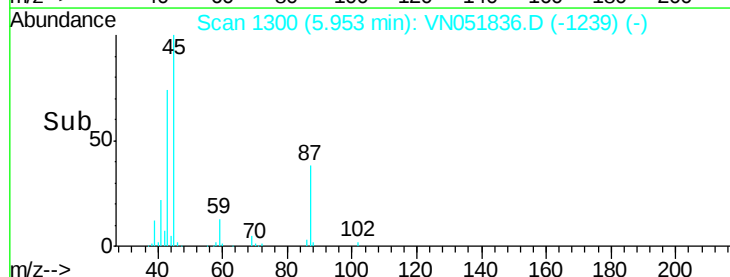
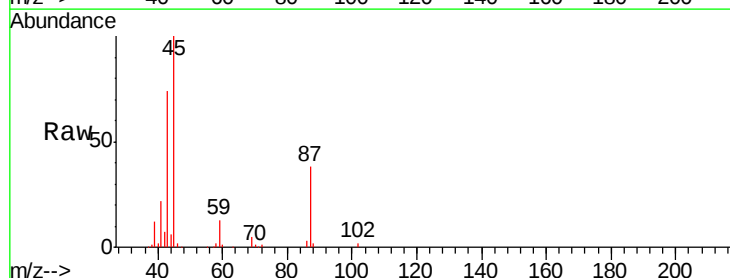
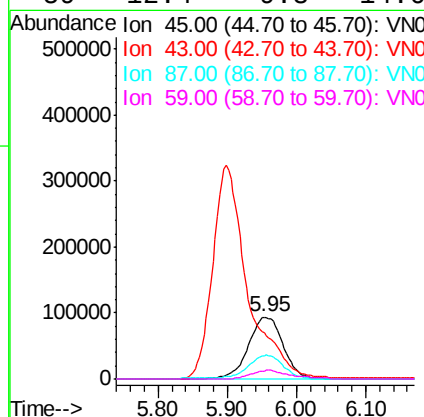
RT: 5.95 min Scan# 1300

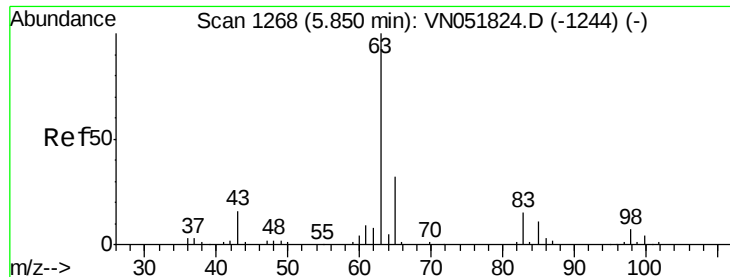
Delta R.T. -0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 326254 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 70.9  | 62.1  | 93.1   |
| 87       | 37.6  | 19.9  | 29.9   |
| 59       | 12.4  | 9.8   | 14.6   |





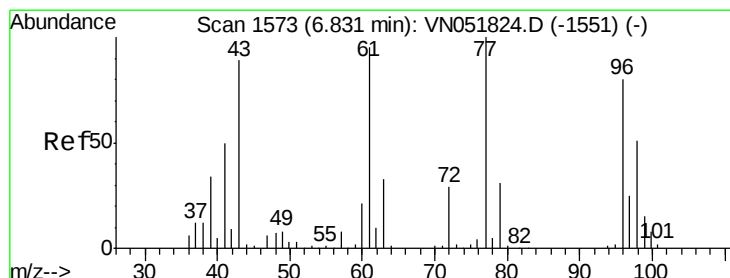
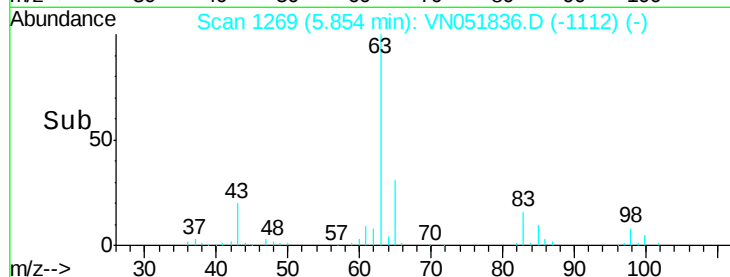
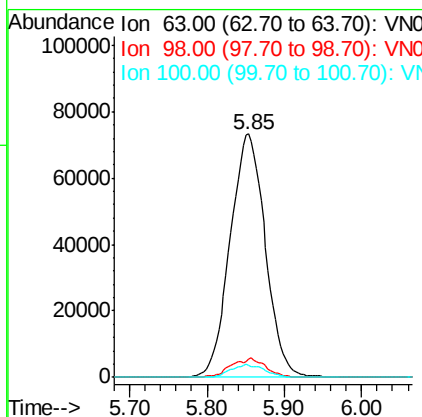
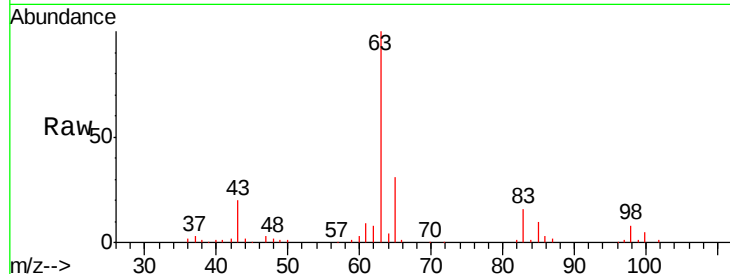
#21  
 1,1-Dichloroethane  
 Concen: 20.85 ug/l  
 RT: 5.85 min Scan# 1269  
 Delta R.T. 0.00 min  
 Lab File: VN051836.D  
 Acq: 12 Oct 2018 16:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1012WBSD01

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 63      | 100   |            |            |
| 98      | 7.5   | 4.1        | 12.3       |
| 100     | 4.9   | 1.6        | 4.7        |

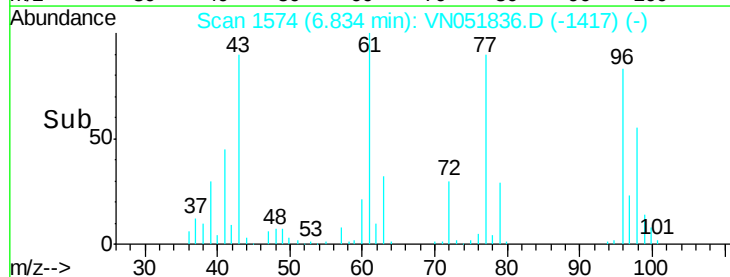
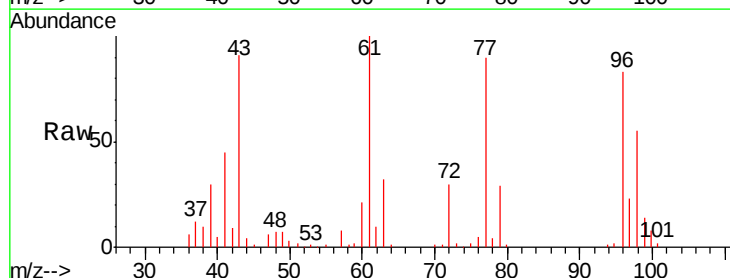
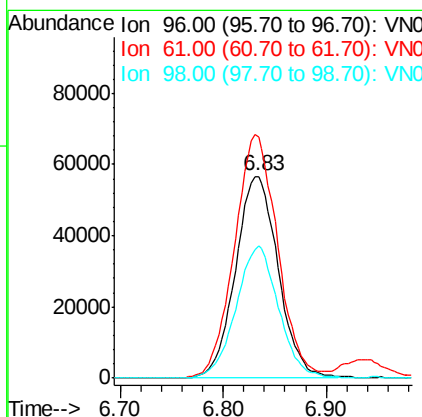
Manual Integrations  
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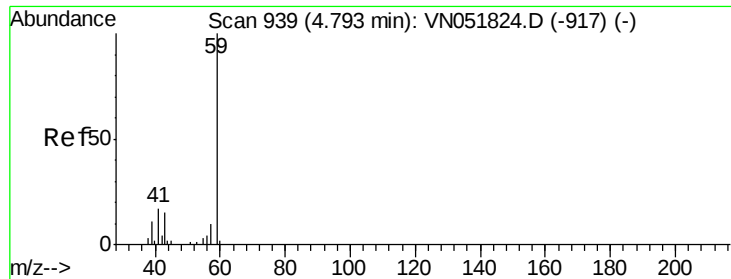
MMDadoda  
 10/15/2018 11:28:01 AM



#22  
 cis-1,2-Dichloroethene  
 Concen: 20.21 ug/l  
 RT: 6.83 min Scan# 1574  
 Delta R.T. 0.00 min  
 Lab File: VN051836.D  
 Acq: 12 Oct 2018 16:40

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 96      | 100   |            |            |
| 61      | 122.7 | 124.5      | 186.7      |
| 98      | 65.1  | 51.9       | 77.9       |





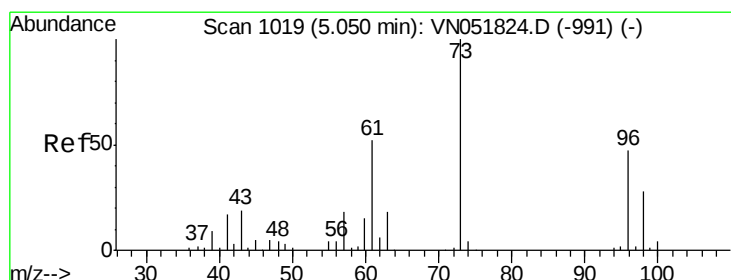
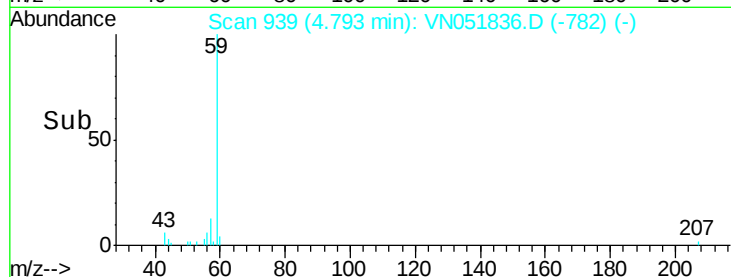
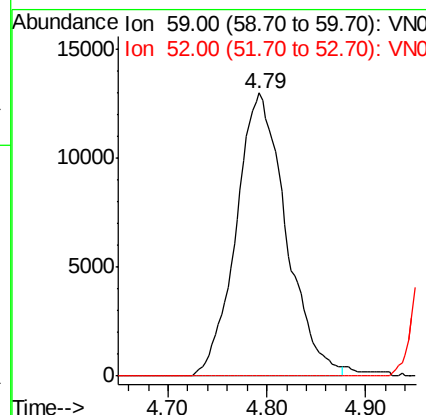
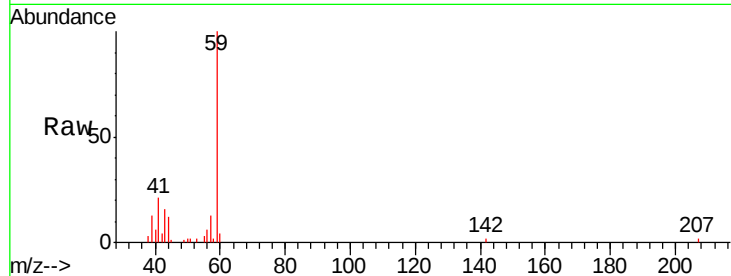
#23  
 tert-Butyl Alcohol  
 Concen: 103.93 ug/l  
 RT: 4.79 min Scan# 939  
 Delta R.T. 0.00 min  
 Lab File: VN051836.D  
 Acq: 12 Oct 2018 16:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1012WBSD01

Tgt Ion: 59 Resp: 45647  
 Ion Ratio Lower Upper  
 59 100  
 52 0.0 0.0 0.0

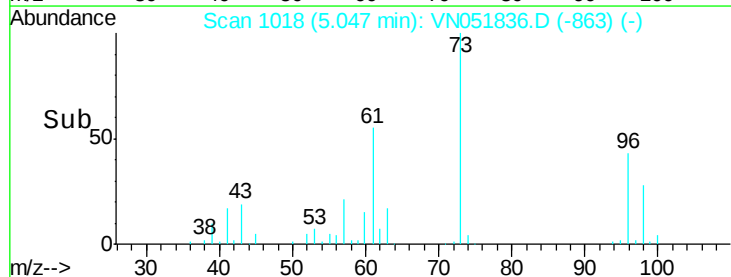
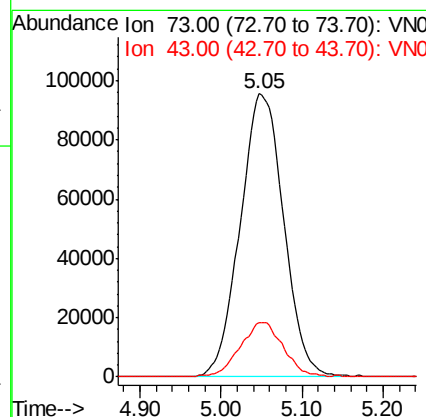
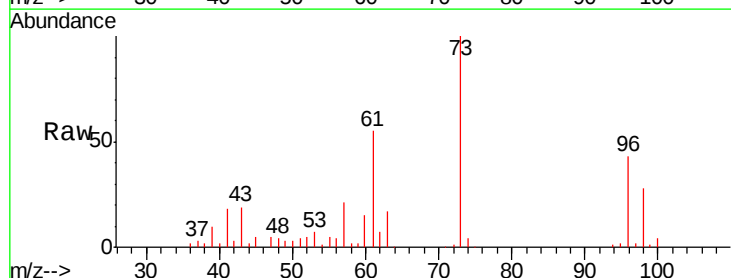
Manual Integrations  
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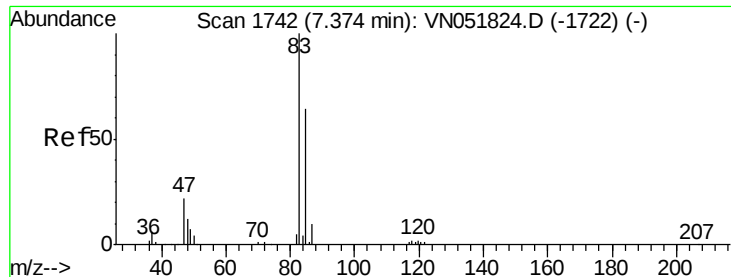
MMDadoda  
 10/15/2018 11:28:01 AM



#24  
 Methyl tert-Butyl Ether  
 Concen: 20.68 ug/l m  
 RT: 5.05 min Scan# 1018  
 Delta R.T. -0.00 min  
 Lab File: VN051836.D  
 Acq: 12 Oct 2018 16:40

Tgt Ion: 73 Resp: 357993  
 Ion Ratio Lower Upper  
 73 100  
 43 0.0 5.4 8.0#





#25

Chloroform

Concen: 20.57 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD01

Tgt Ion: 83 Resp: 270942

Ion Ratio Lower Upper

83 100

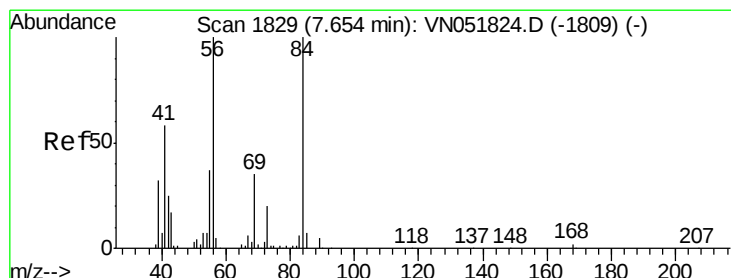
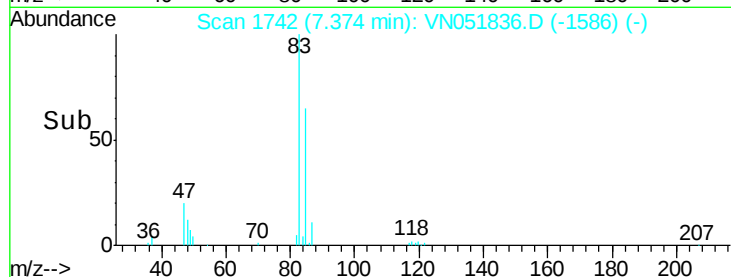
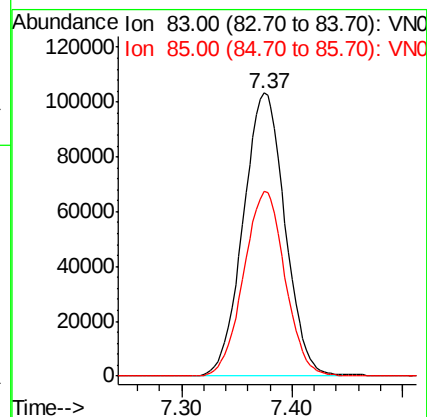
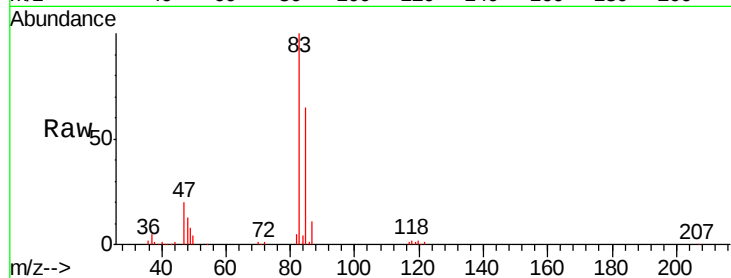
85 65.1 54.6 82.0

Manual Integrations

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#26

Cyclohexane

Concen: 20.08 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

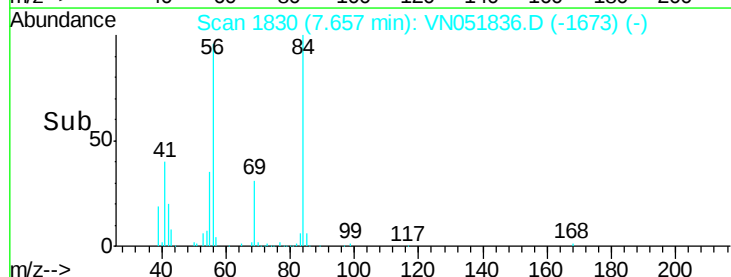
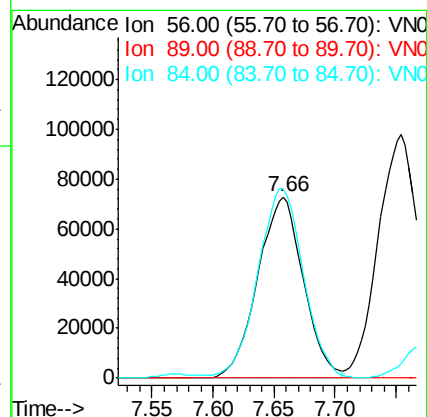
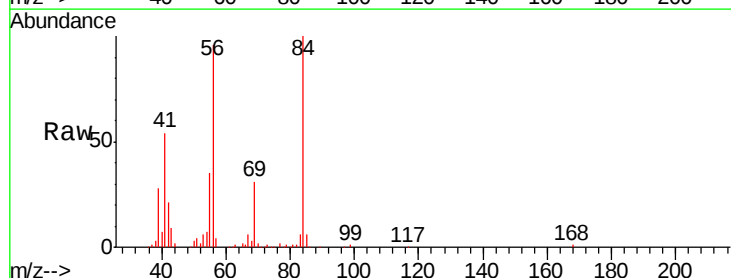
Tgt Ion: 56 Resp: 189001

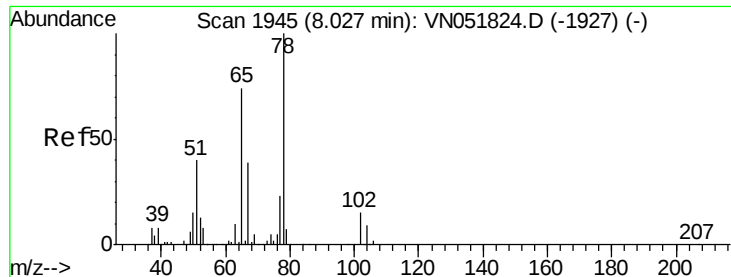
Ion Ratio Lower Upper

56 100

89 0.1 1.5 2.3#

84 105.2 64.2 96.4#





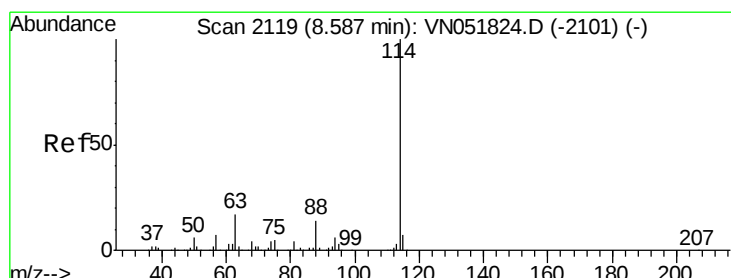
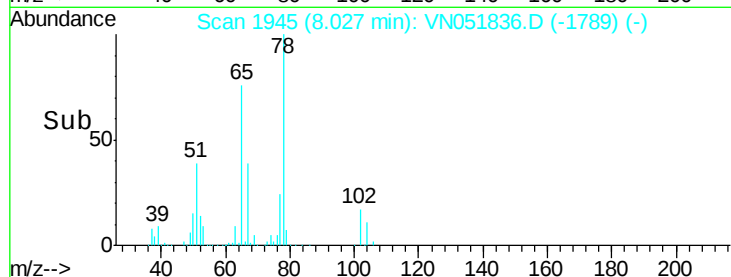
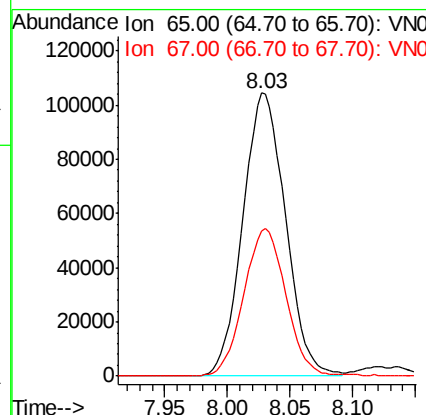
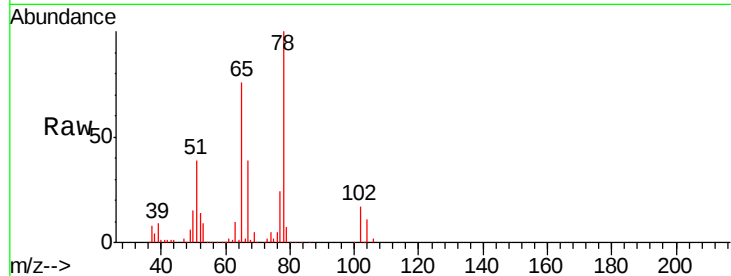
#27  
 1,2-Dichloroethane-d4  
 Concen: 20.08 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN051836.D  
 Acq: 12 Oct 2018 16:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1012WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 51.5  | 41.8  | 62.8  |

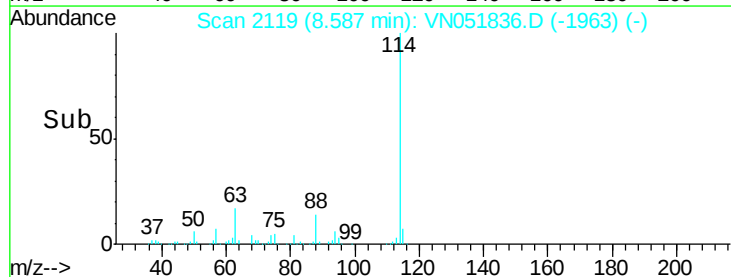
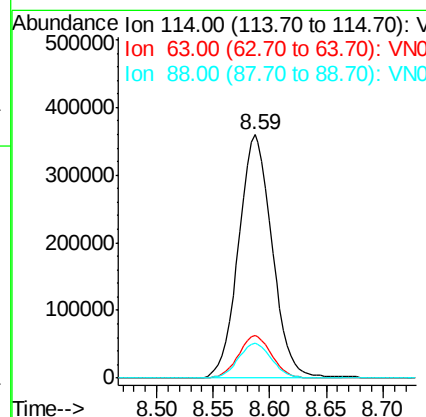
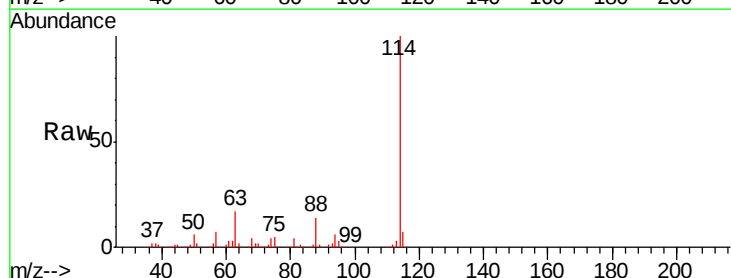
Manual Integrations  
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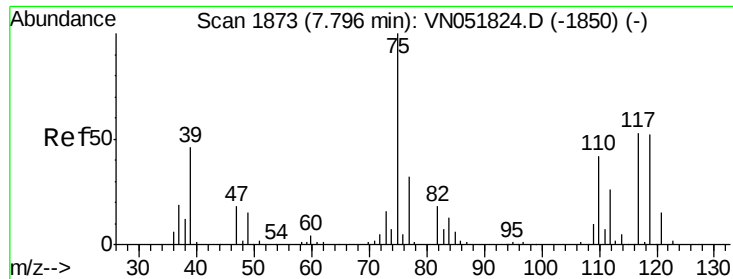
MMDadoda  
 10/15/2018 11:28:01 AM



#28  
 1,4-Difluorobenzene  
 Concen: 30.00 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN051836.D  
 Acq: 12 Oct 2018 16:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 17.1  | 16.2  | 24.2  |
| 88      | 14.2  | 12.2  | 18.4  |





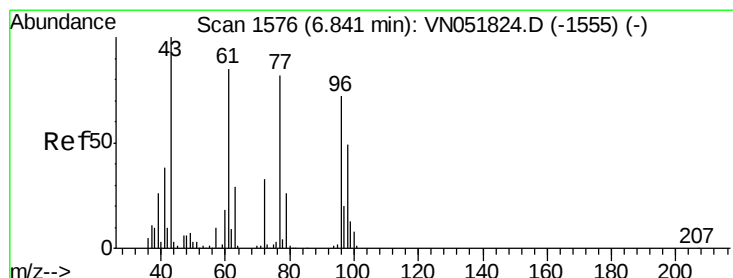
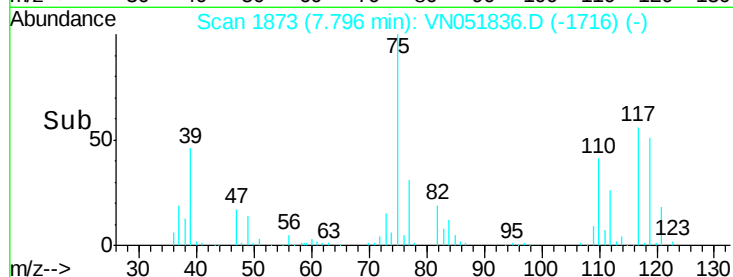
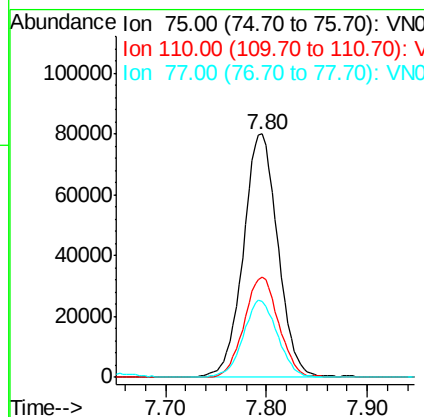
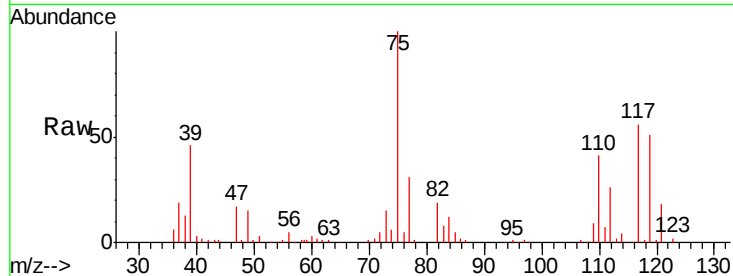
#29  
 1,1-Dichloropropene  
 Concen: 19.80 ug/l  
 RT: 7.80 min Scan# 1873  
 Delta R.T. 0.00 min  
 Lab File: VN051836.D  
 Acq: 12 Oct 2018 16:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1012WBSD01

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 75      | 100   |            |       |
| 110     | 41.1  | 0.0        | 70.8  |
| 77      | 31.4  | 0.0        | 61.6  |

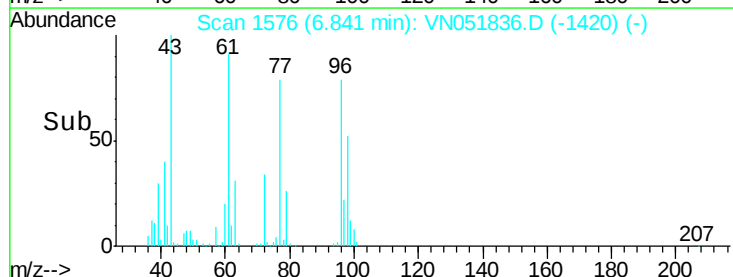
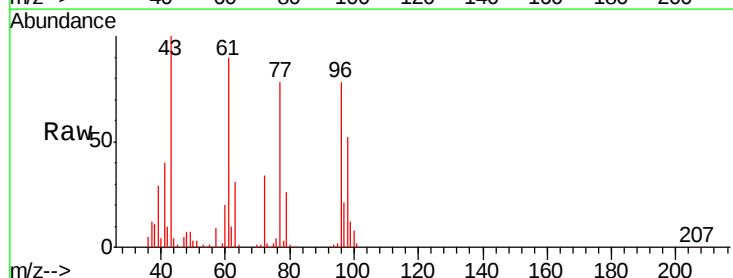
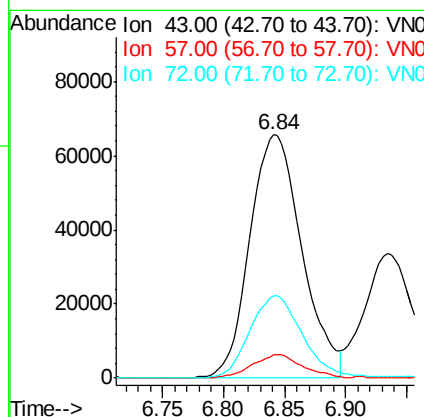
Manual Integrations  
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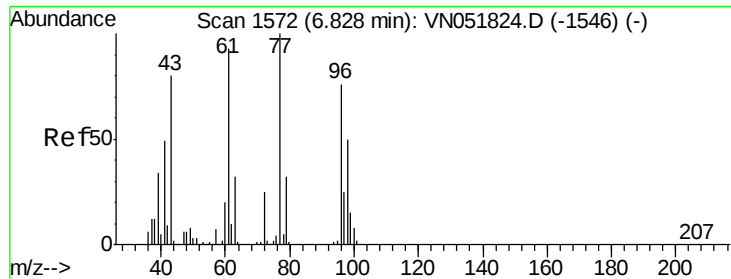
MMDadoda  
 10/15/2018 11:28:01 AM



#30  
 2-Butanone  
 Concen: 96.40 ug/l  
 RT: 6.84 min Scan# 1576  
 Delta R.T. 0.00 min  
 Lab File: VN051836.D  
 Acq: 12 Oct 2018 16:40

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 43      | 100   |            |       |
| 57      | 9.4   | 4.5        | 6.7#  |
| 72      | 34.4  | 21.5       | 32.3# |





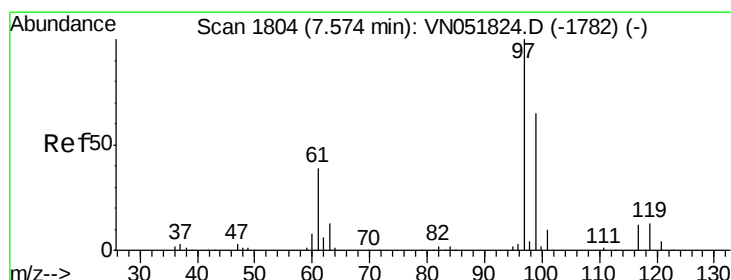
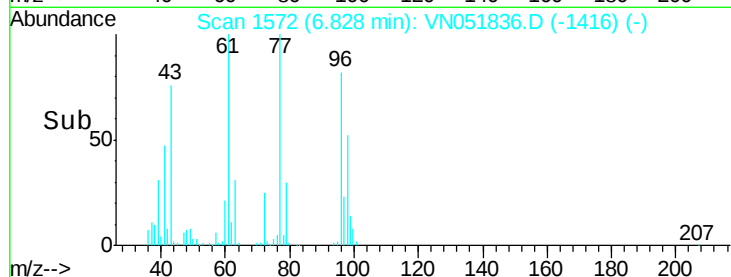
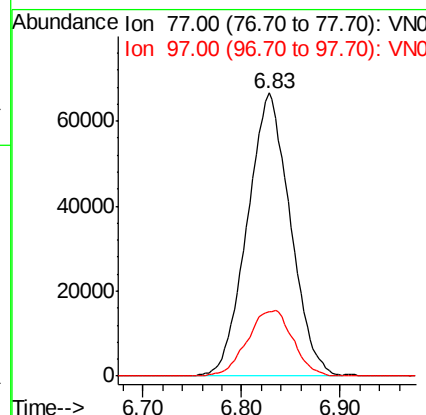
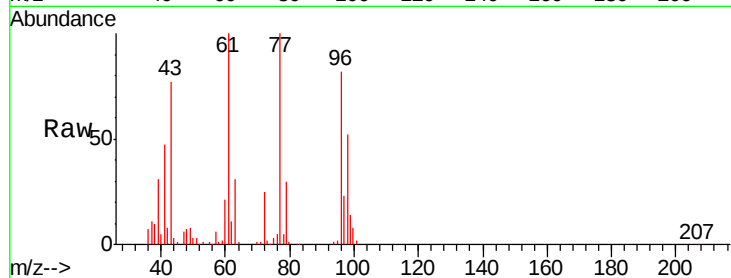
#31  
 2,2-Dichloropropane  
 Concen: 17.79 ug/l  
 RT: 6.83 min Scan# 1572  
 Delta R.T. 0.00 min  
 Lab File: VN051836.D  
 Acq: 12 Oct 2018 16:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1012WBSD01

Tgt Ion: 77 Resp: 200785  
 Ion Ratio Lower Upper  
 77 100  
 97 24.6 12.0 18.0#

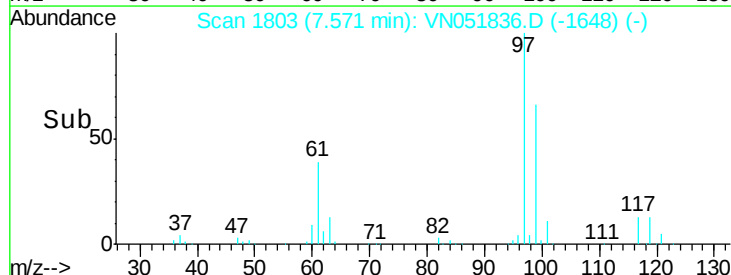
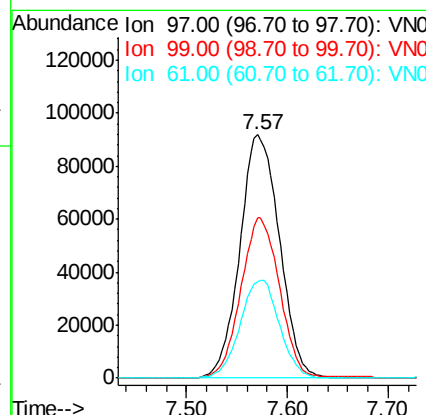
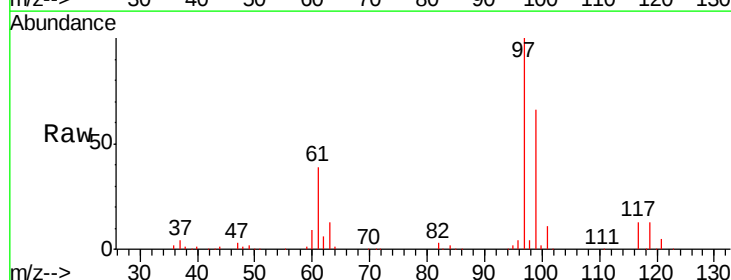
Manual Integrations  
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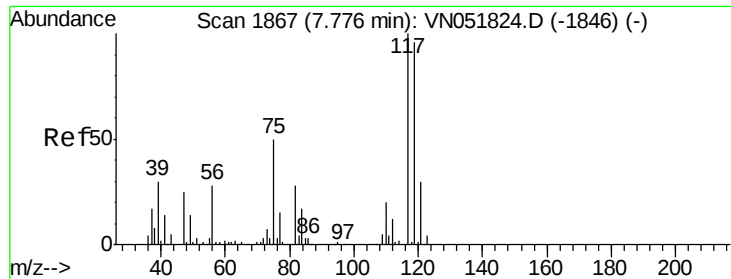
MMDadoda  
 10/15/2018 11:28:01 AM



#32  
 1,1,1-Trichloroethane  
 Concen: 19.70 ug/l  
 RT: 7.57 min Scan# 1803  
 Delta R.T. -0.00 min  
 Lab File: VN051836.D  
 Acq: 12 Oct 2018 16:40

Tgt Ion: 97 Resp: 250579  
 Ion Ratio Lower Upper  
 97 100  
 99 64.2 51.6 77.4  
 61 39.9 37.4 56.0





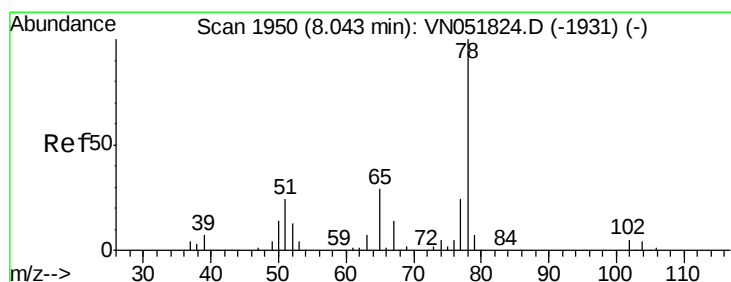
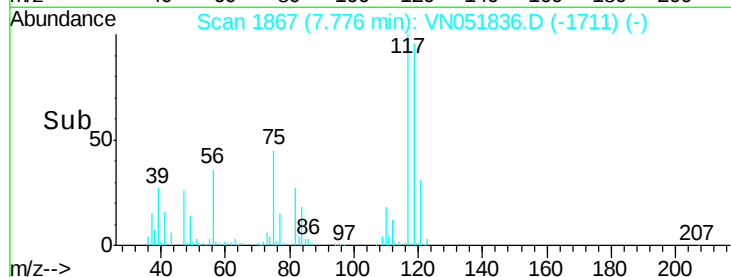
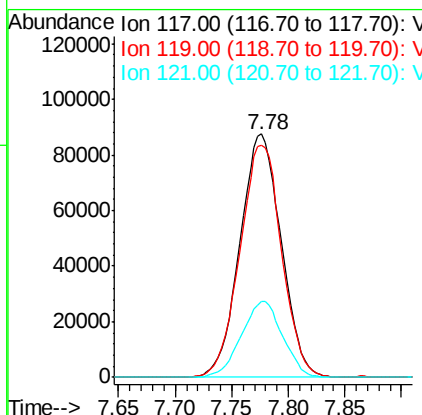
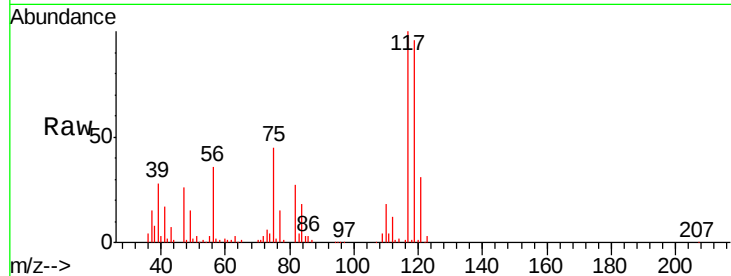
#33  
Carbon Tetrachloride  
Concen: 19.29 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.6  | 85.1  | 127.7 |
| 121     | 31.0  | 24.2  | 36.2  |

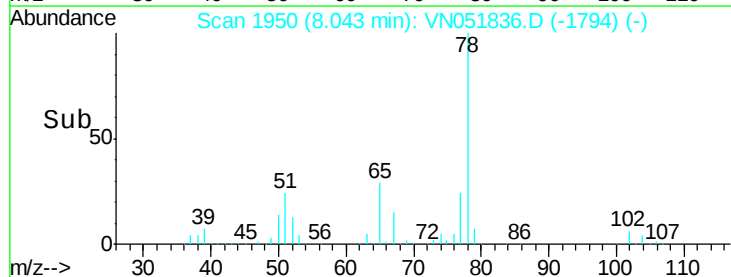
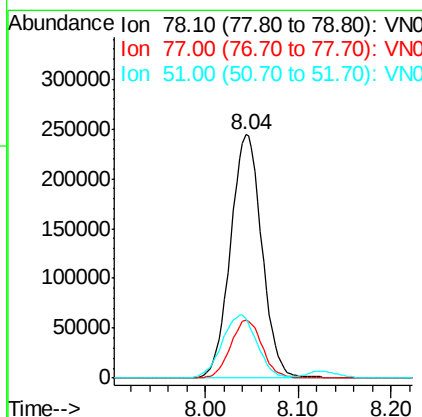
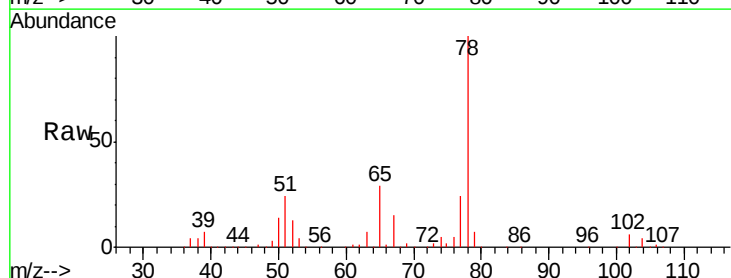
Manual Integrations  
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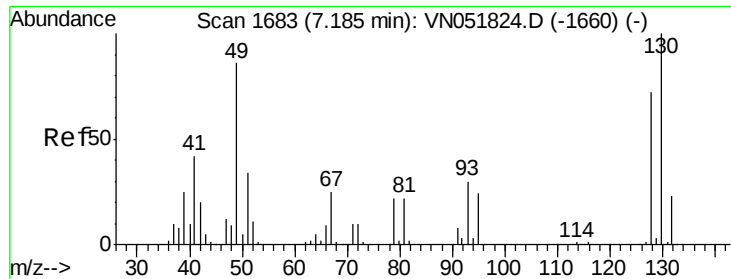
MMDadoda  
10/15/2018 11:28:01 AM



#34  
Benzene  
Concen: 20.21 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.8  | 18.8  | 28.2  |
| 51      | 24.3  | 46.2  | 69.4# |





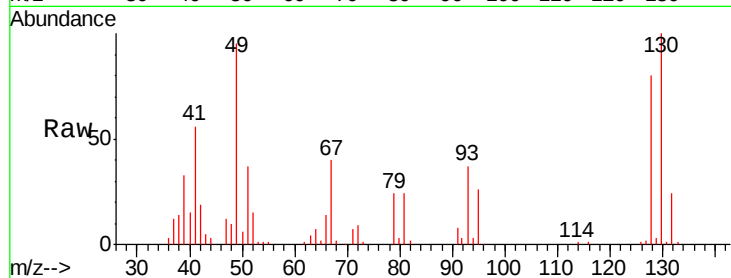
#35  
Methacrylonitrile  
Concen: 17.22 ug/l  
RT: 7.18 min Scan# 1682  
Delta R.T. -0.01 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD01

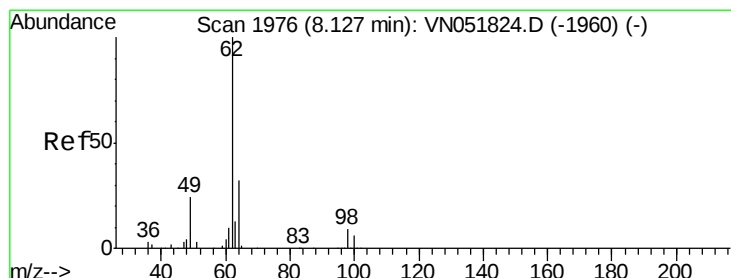
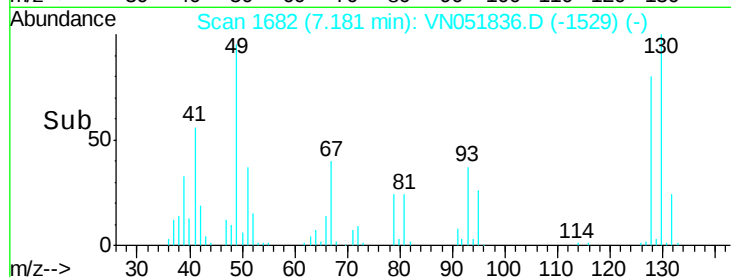
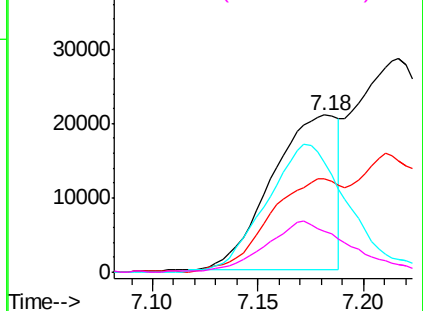
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 60.3  | 22.6  | 67.7  |
| 67      | 70.4  | 28.9  | 86.8  |
| 52      | 25.4  | 11.3  | 33.9  |

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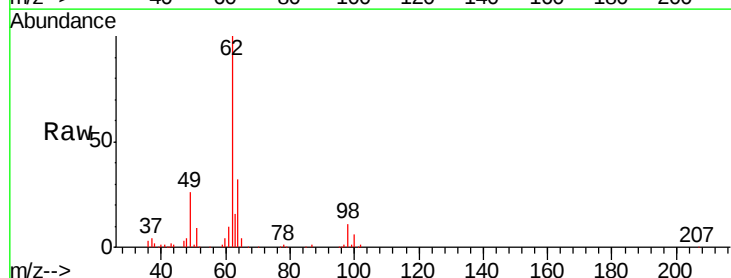


Abundance Ion 41.00 (40.70 to 41.70): VN051824.D (-1660) (-)  
Ion 39.00 (38.70 to 39.70): VN051824.D (-1660) (-)  
Ion 67.00 (66.70 to 67.70): VN051824.D (-1660) (-)  
Ion 52.00 (51.70 to 52.70): VN051824.D (-1660) (-)

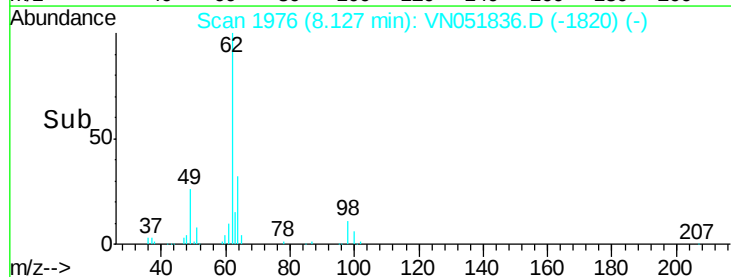
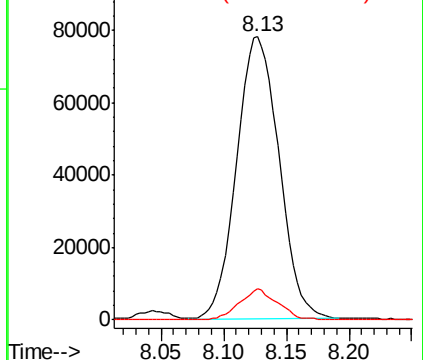


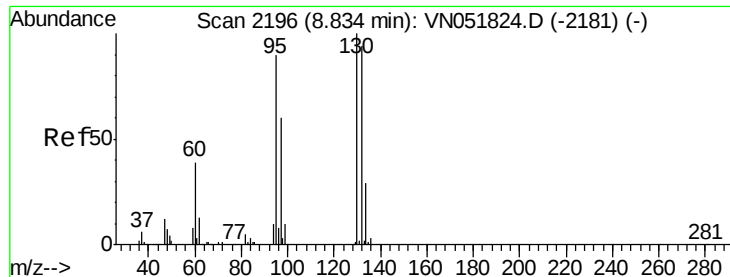
#36  
1,2-Dichloroethane  
Concen: 20.24 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.9   | 6.9   | 10.3  |



Abundance Ion 62.00 (61.70 to 62.70): VN051824.D (-1960) (-)  
Ion 98.00 (97.70 to 98.70): VN051824.D (-1960) (-)





#37

Trichloroethene

Concen: 19.61 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD01

Tgt Ion: 130 Resp: 172719

Ion Ratio Lower Upper

130 100

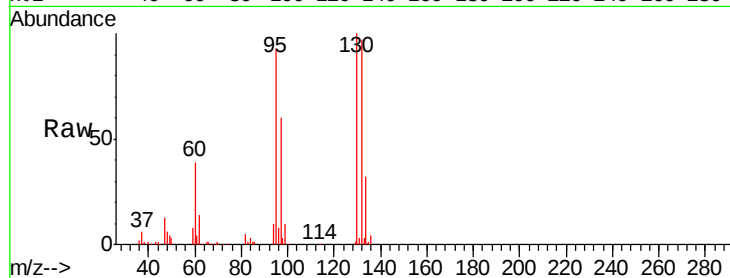
95 93.1 76.4 114.6

Manual Integrations

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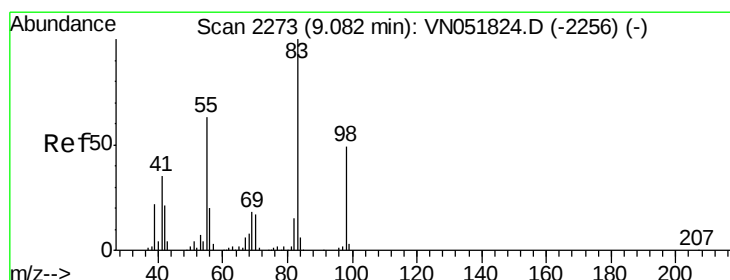
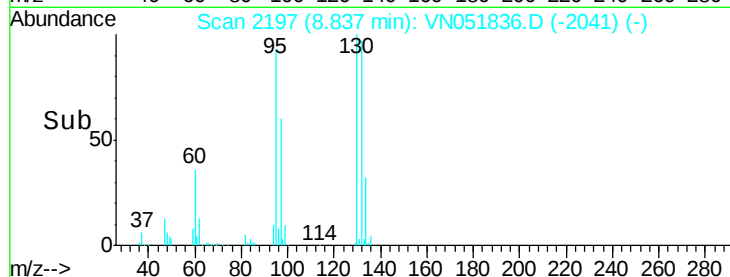
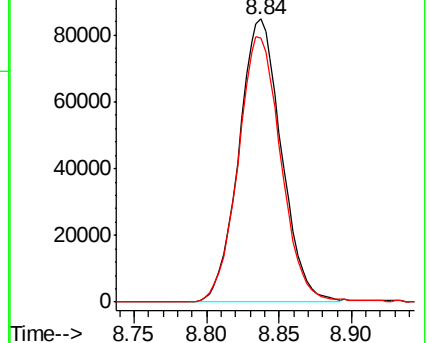
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): VN051836.D (-2041) (-)

Ion 94.90 (94.60 to 95.60): VN051836.D (-2041) (-)



#38

Methylcyclohexane

Concen: 19.57 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

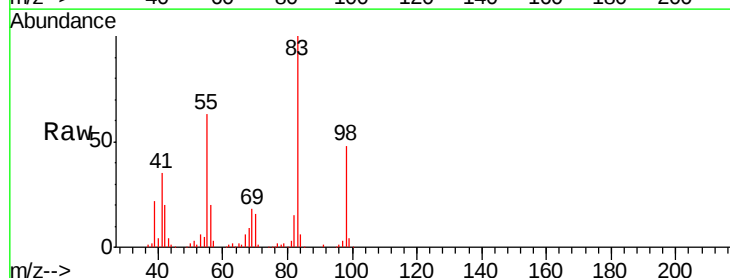
Tgt Ion: 83 Resp: 240841

Ion Ratio Lower Upper

83 100

55 62.1 43.0 129.2

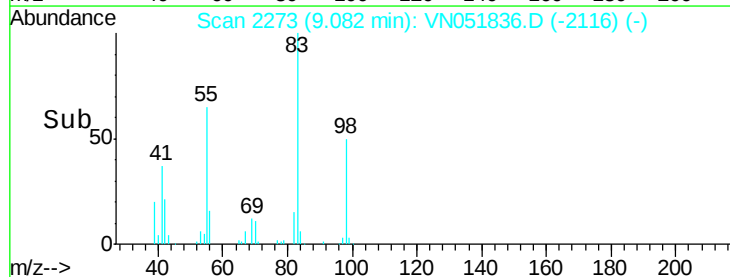
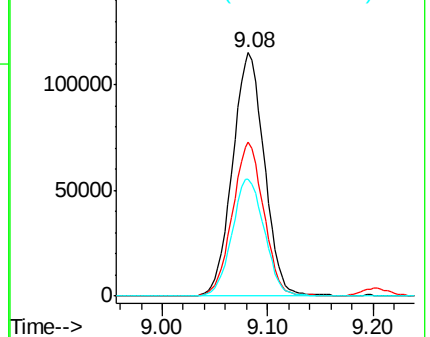
98 49.0 21.3 63.7

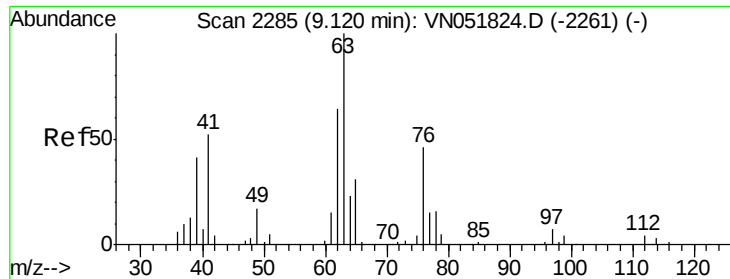


Abundance Ion 83.00 (82.70 to 83.70): VN051836.D (-2116) (-)

Ion 55.00 (54.70 to 55.70): VN051836.D (-2116) (-)

Ion 98.00 (97.70 to 98.70): VN051836.D (-2116) (-)





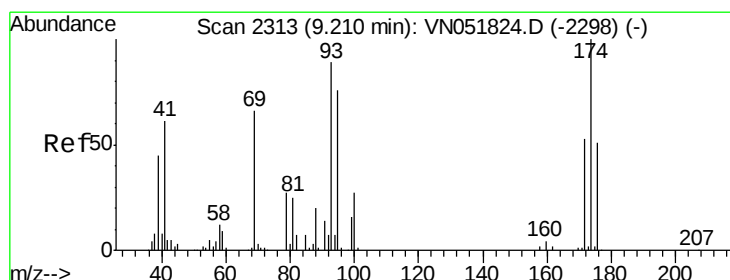
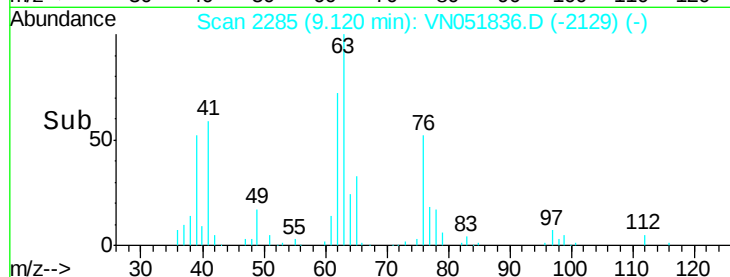
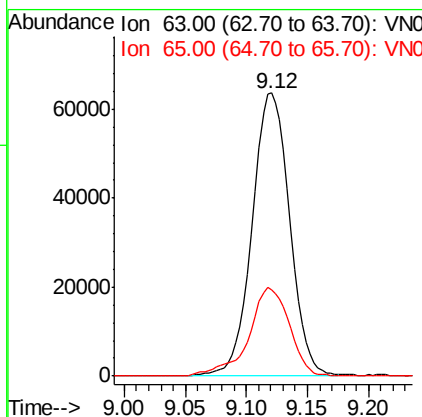
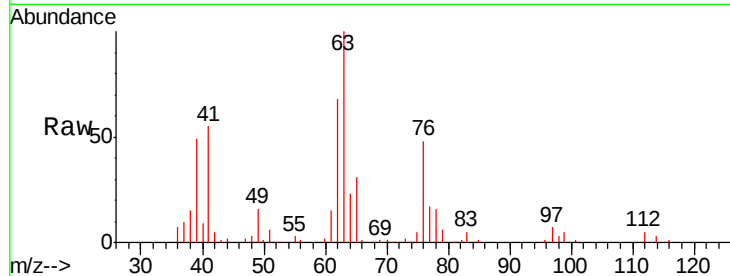
#39  
 1,2-Dichloropropane  
 Concen: 20.27 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN051836.D  
 Acq: 12 Oct 2018 16:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1012WBSD01

Tgt Ion: 63 Resp: 135471  
 Ion Ratio Lower Upper  
 63 100  
 65 30.3 23.2 34.8

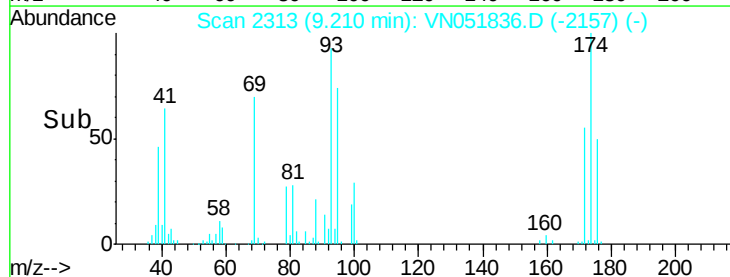
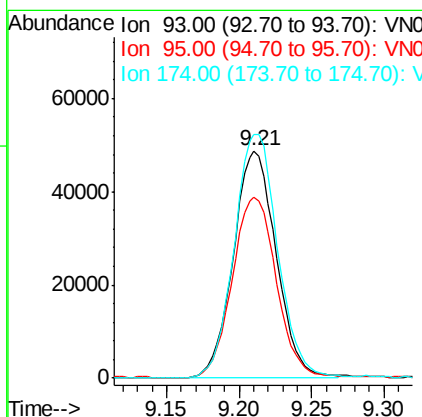
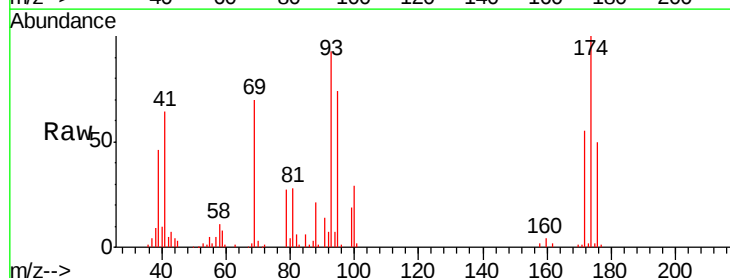
Manual Integrations  
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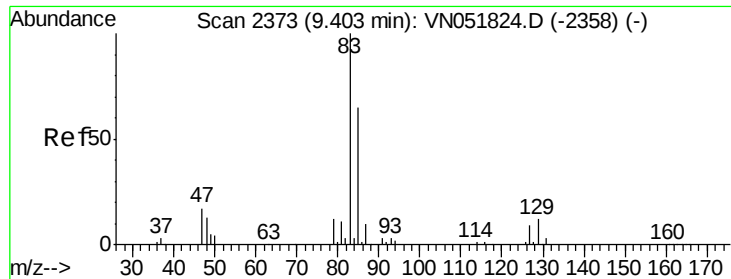
MMDadoda  
 10/15/2018 11:28:01 AM



#40  
 Dibromomethane  
 Concen: 20.25 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. 0.00 min  
 Lab File: VN051836.D  
 Acq: 12 Oct 2018 16:40

Tgt Ion: 93 Resp: 100422  
 Ion Ratio Lower Upper  
 93 100  
 95 81.9 0.0 162.0  
 174 109.0 0.0 214.0





#41

Bromodichloromethane

Concen: 19.41 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

Instrument :

MSVOA\_N

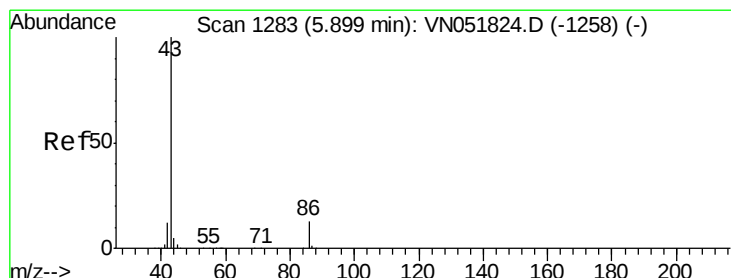
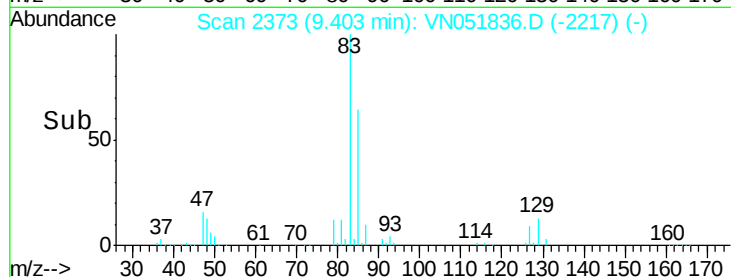
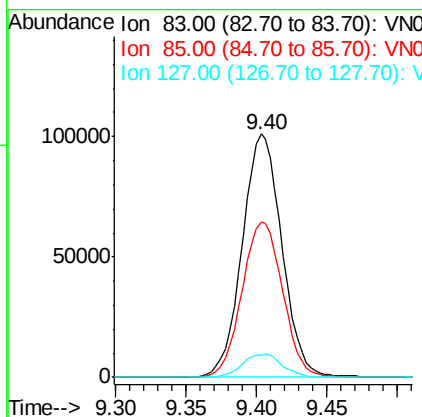
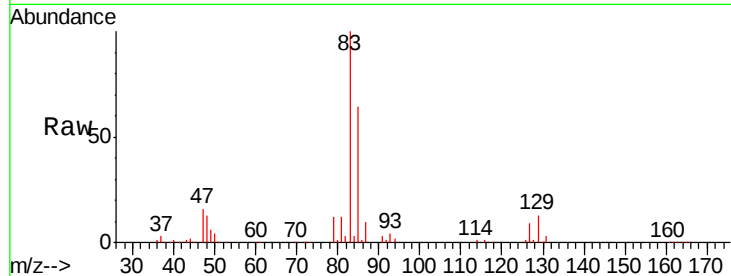
ClientSampleId :

VN1012WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 198893 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 63.7  | 55.7  | 83.5   |
| 127      | 10.0  | 8.2   | 12.4   |

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#42

Vinyl Acetate

Concen: 100.25 ug/l

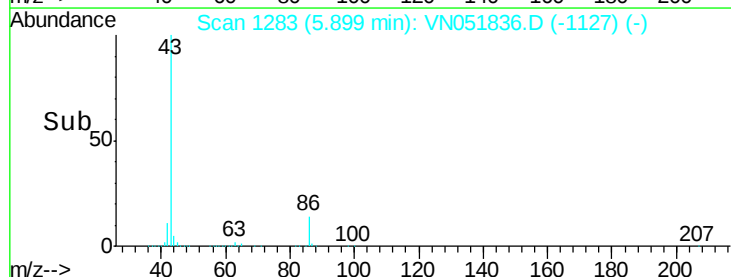
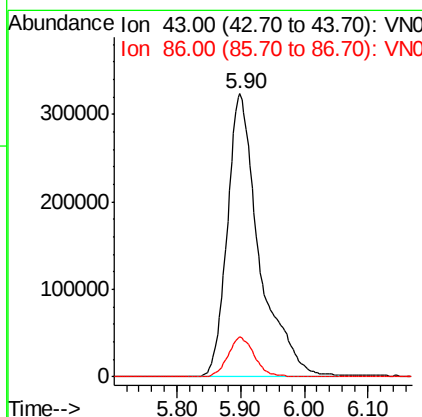
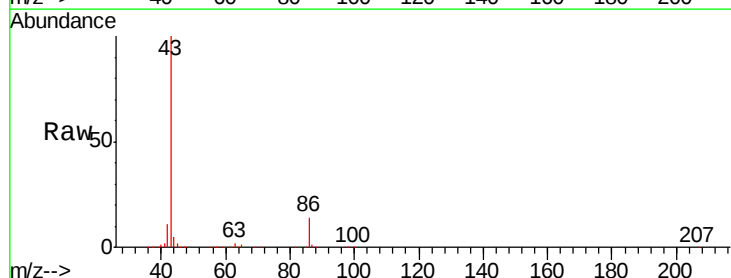
RT: 5.90 min Scan# 1283

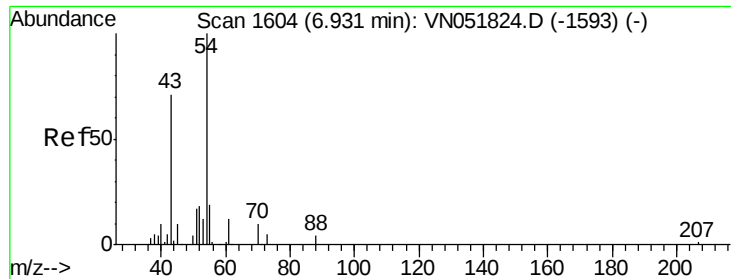
Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 43    | Resp: | 1131659 |
| Ion      | Ratio | Lower | Upper   |
| 43       | 100   |       |         |
| 86       | 11.6  | 6.5   | 9.7#    |





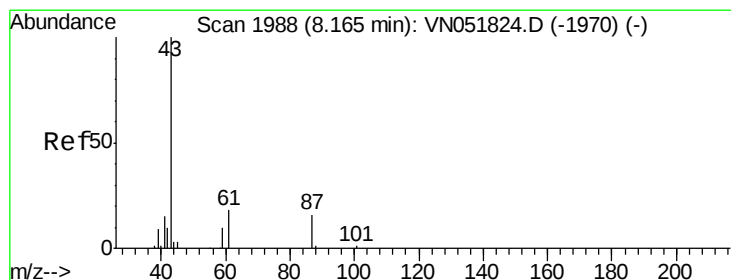
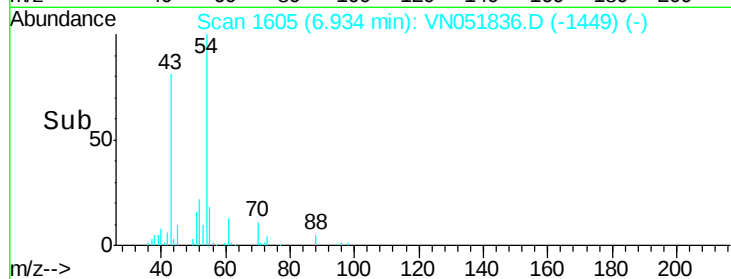
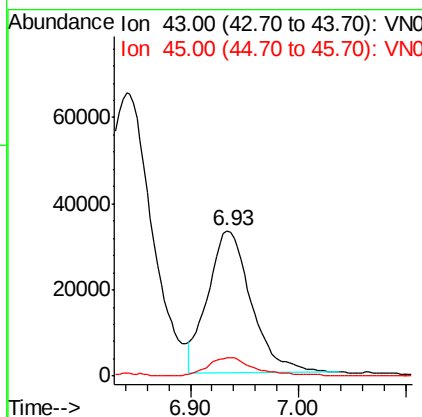
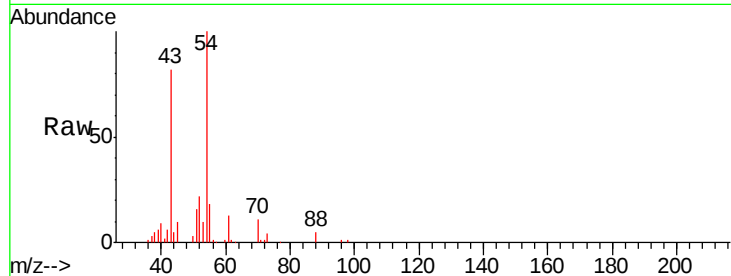
#43  
Ethyl Acetate  
Concen: 20.98 ug/l  
RT: 6.93 min Scan# 1605  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD01

Tgt Ion: 43 Resp: 91372  
Ion Ratio Lower Upper  
43 100  
45 14.1 11.0 16.6

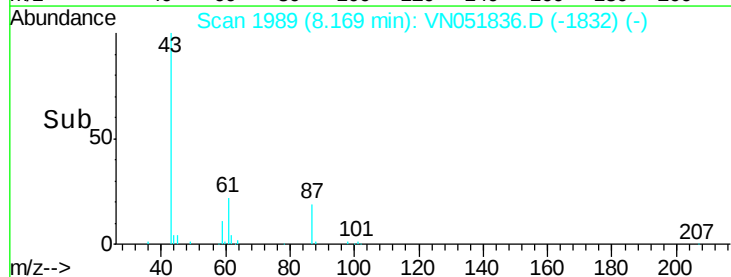
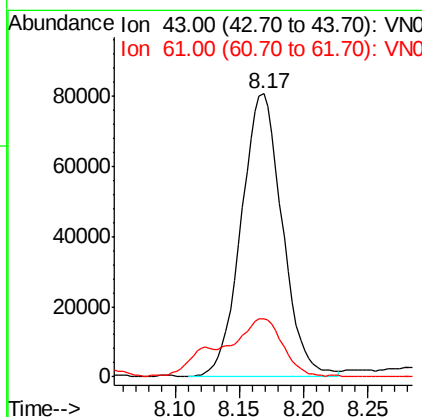
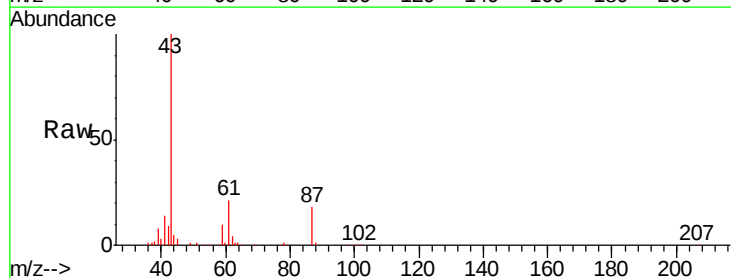
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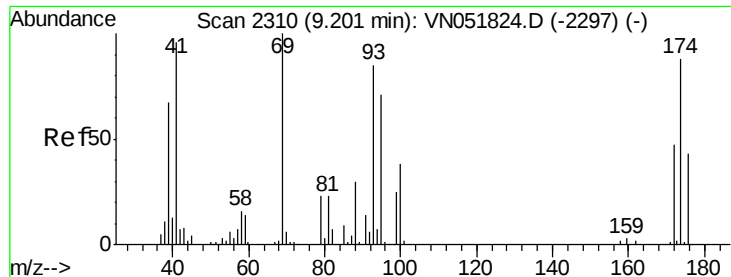
MMDadoda  
10/15/2018 11:28:01 AM



#44  
Isopropyl Acetate  
Concen: 20.40 ug/l  
RT: 8.17 min Scan# 1989  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

Tgt Ion: 43 Resp: 177453  
Ion Ratio Lower Upper  
43 100  
61 19.4 15.9 23.9





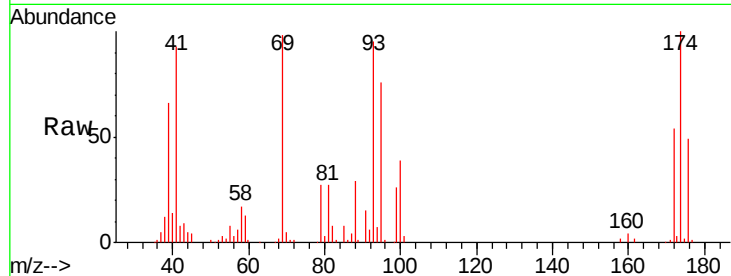
#45  
1,4-Dioxane  
Concen: 409.15 ug/l  
RT: 9.20 min Scan# 2311  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD01

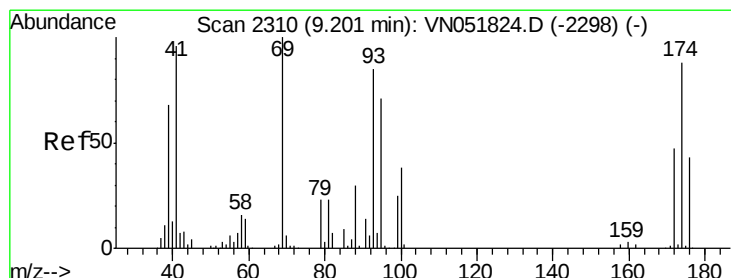
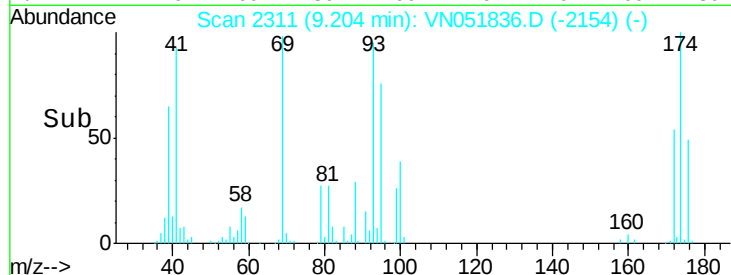
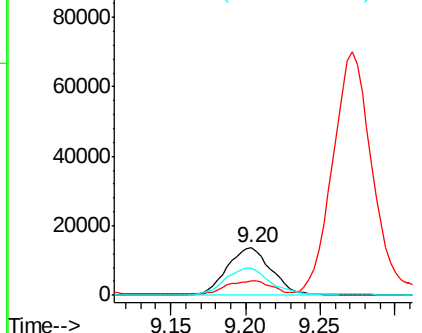
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 27.7  | 26.2  | 39.2  |
| 58      | 57.3  | 65.6  | 98.4# |

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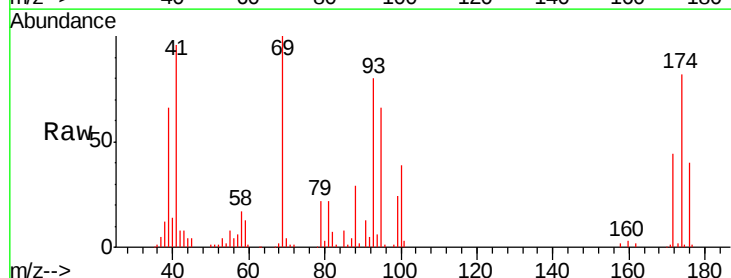


Abundance Ion 88.00 (87.70 to 88.70): VNO  
Ion 43.00 (42.70 to 43.70): VNO  
Ion 58.00 (57.70 to 58.70): VNO

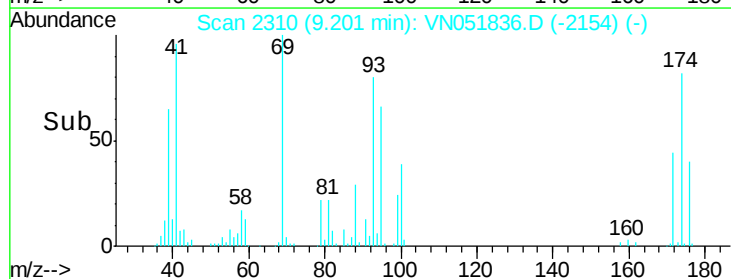
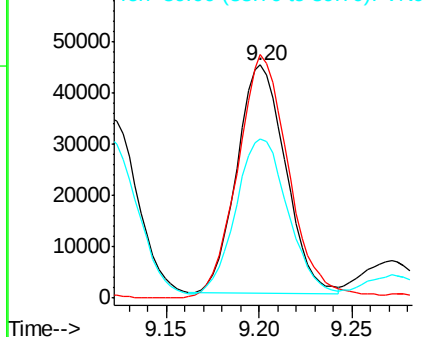


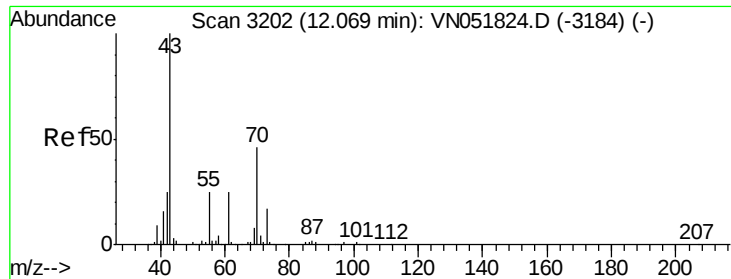
#46  
Methyl methacrylate  
Concen: 20.26 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 106.0 | 40.7  | 122.1 |
| 39      | 68.2  | 27.3  | 81.9  |



Abundance Ion 41.00 (40.70 to 41.70): VNO  
Ion 69.00 (68.70 to 69.70): VNO  
Ion 39.00 (38.70 to 39.70): VNO





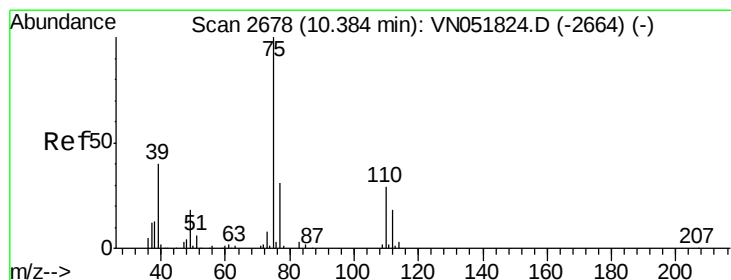
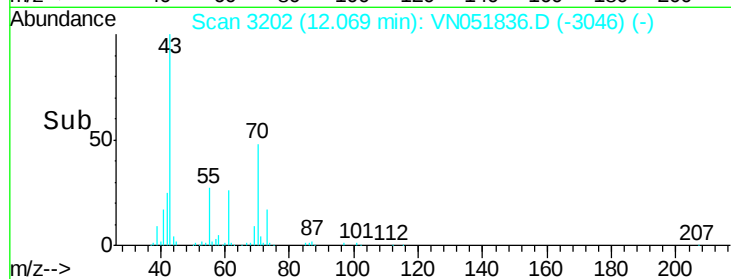
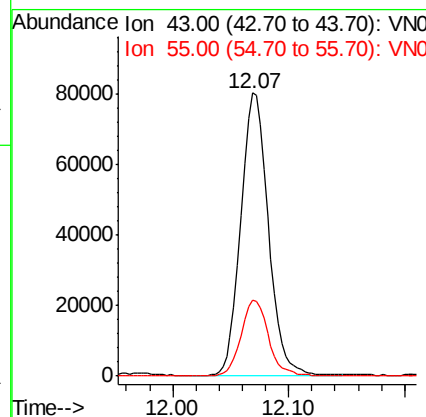
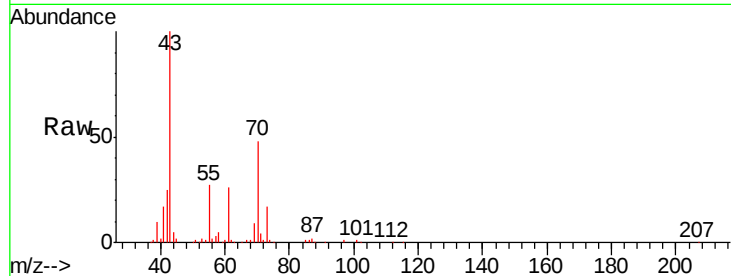
#47  
n-amy1 Acetate  
Concen: 18.18 ug/l  
RT: 12.07 min Scan# 3202  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD01

Tgt Ion: 43 Resp: 132332  
Ion Ratio Lower Upper  
43 100  
55 26.6 12.2 18.4#

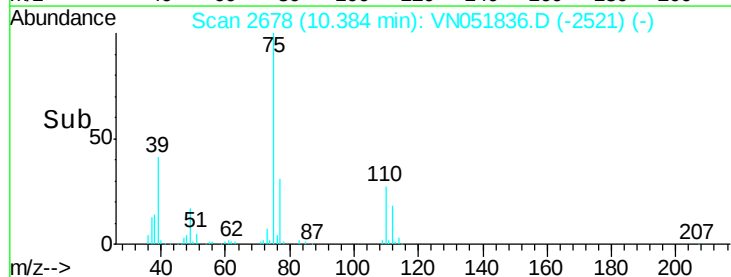
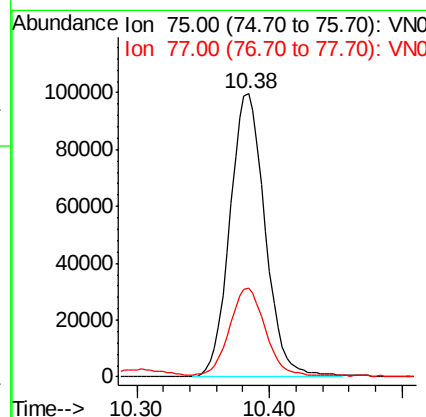
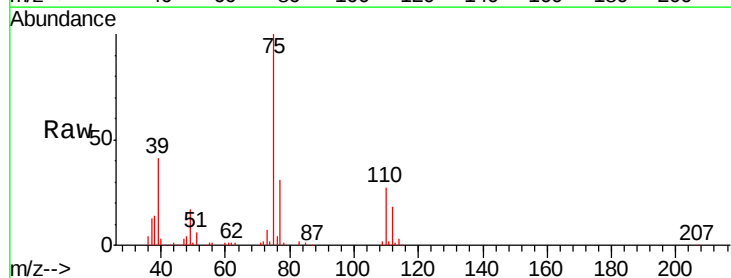
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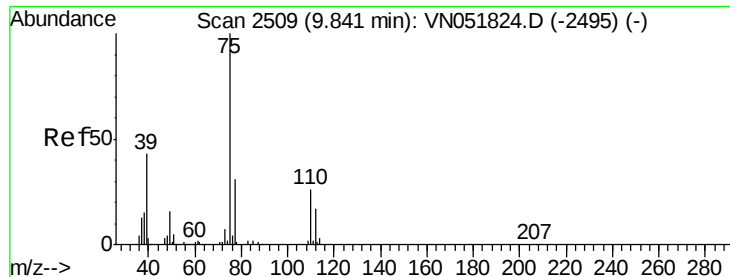
MMDadoda  
10/15/2018 11:28:01 AM



#48  
t-1,3-Dichloropropene  
Concen: 18.42 ug/l  
RT: 10.38 min Scan# 2678  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

Tgt Ion: 75 Resp: 184000  
Ion Ratio Lower Upper  
75 100  
77 30.8 24.6 37.0





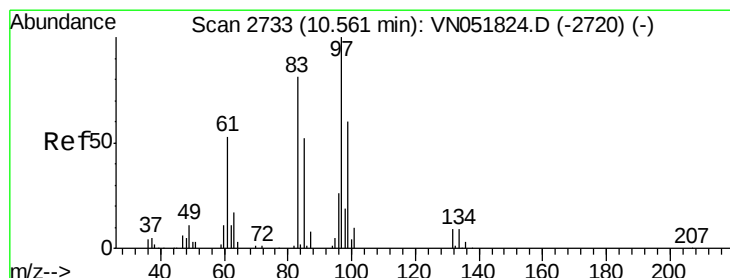
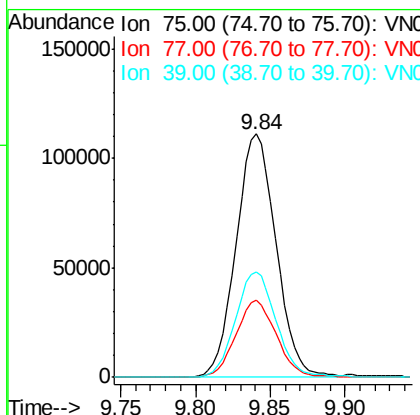
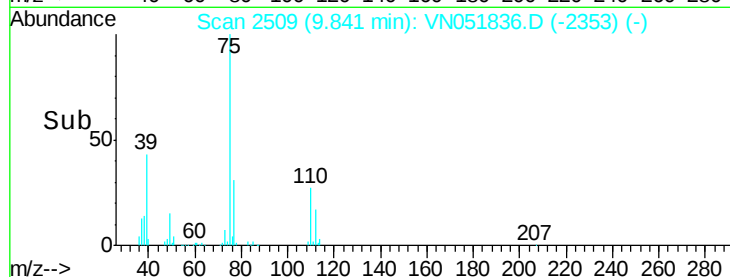
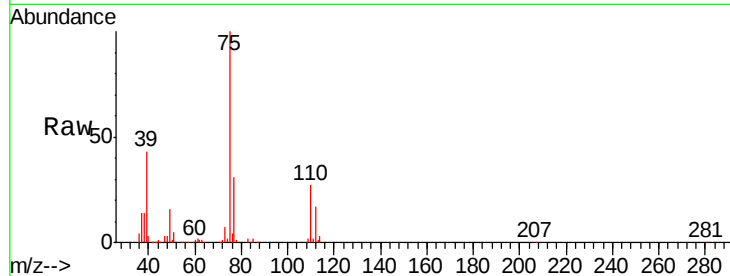
#49  
 cis-1,3-Dichloropropene  
 Concen: 18.80 ug/l  
 RT: 9.84 min Scan# 2509  
 Delta R.T. 0.00 min  
 Lab File: VN051836.D  
 Acq: 12 Oct 2018 16:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1012WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.5  | 23.2  | 34.8  |
| 39      | 43.2  | 34.6  | 52.0  |

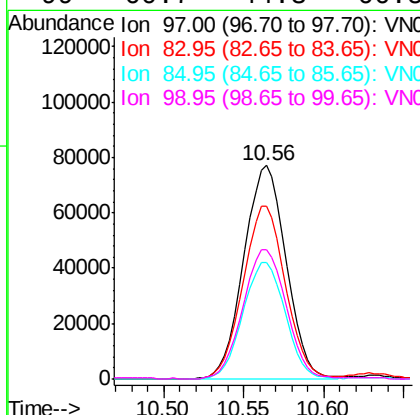
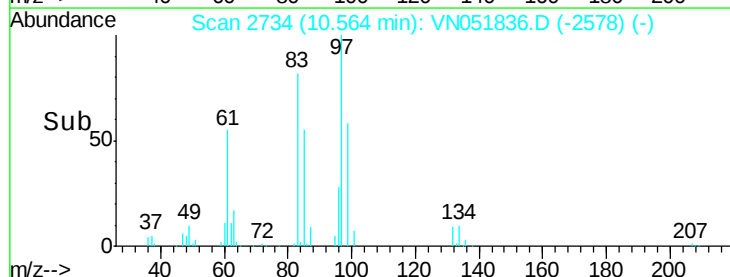
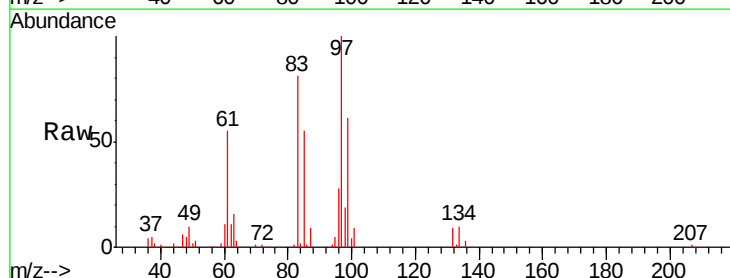
Manual Integrations  
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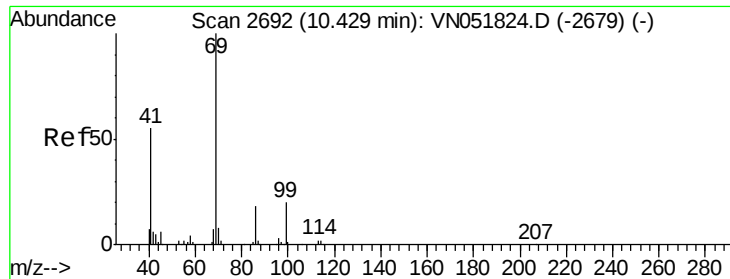
MMDadoda  
 10/15/2018 11:28:01 AM



#50  
 1,1,2-Trichloroethane  
 Concen: 20.36 ug/l  
 RT: 10.56 min Scan# 2734  
 Delta R.T. 0.00 min  
 Lab File: VN051836.D  
 Acq: 12 Oct 2018 16:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 81.1  | 68.2  | 102.4 |
| 85      | 54.8  | 42.5  | 63.7  |
| 99      | 60.7  | 44.3  | 66.5  |





#51

Ethyl methacrylate

Concen: 20.03 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD01

Tgt Ion: 69 Resp: 157157  
Ion Ratio Lower Upper

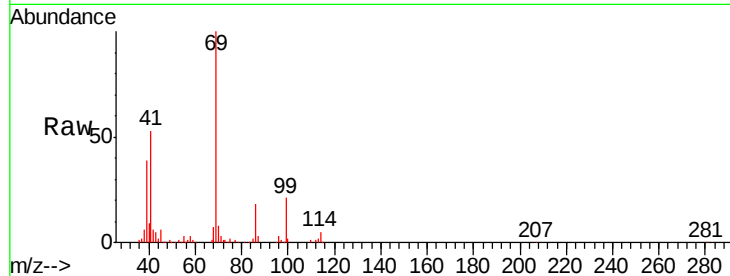
69 100

41 52.7 34.4 103.1

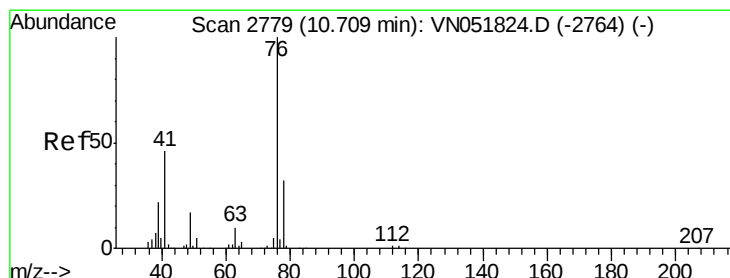
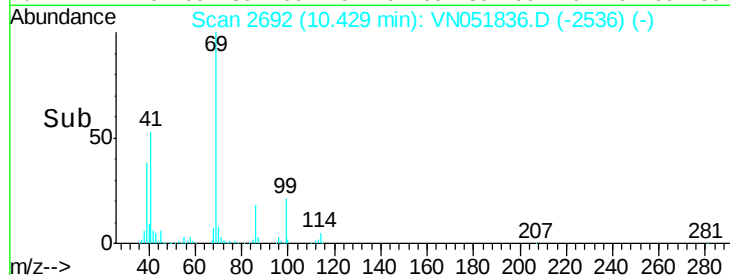
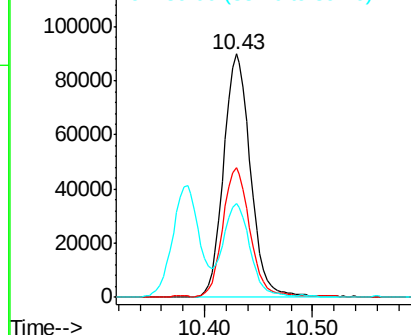
39 38.3 16.3 48.8

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10/15/2018 11:28:01 AM



Abundance Ion 69.00 (68.70 to 69.70): VN0  
Ion 41.00 (40.70 to 41.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.40 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

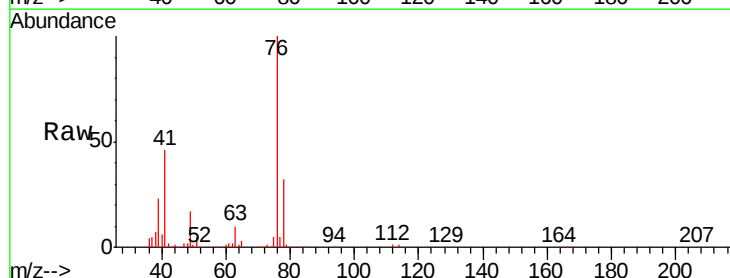
Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

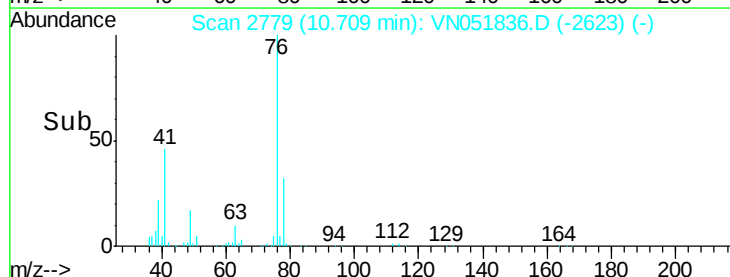
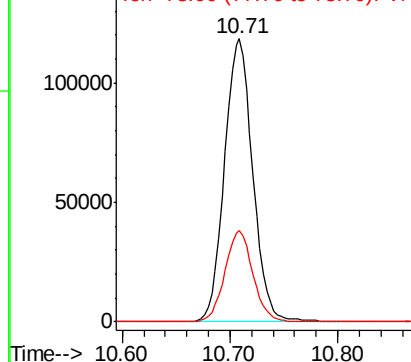
Tgt Ion: 76 Resp: 215768  
Ion Ratio Lower Upper

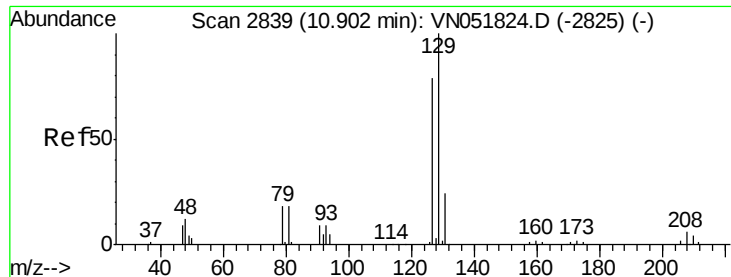
76 100

78 32.0 0.0 67.6



Abundance Ion 76.00 (75.70 to 76.70): VN0  
Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 18.34 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD01

Tgt Ion:129 Resp: 155491

Ion Ratio Lower Upper

129 100

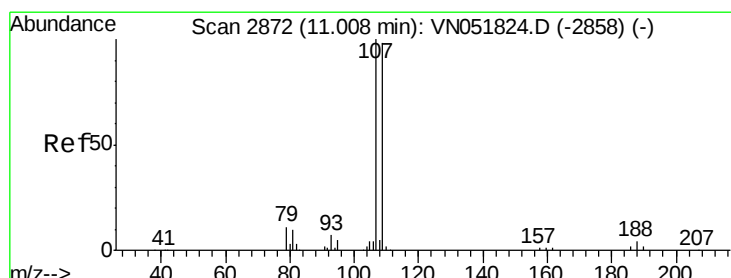
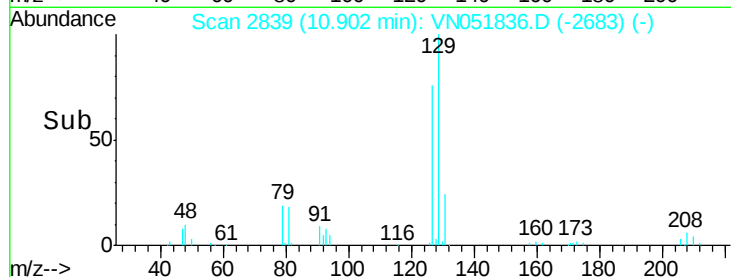
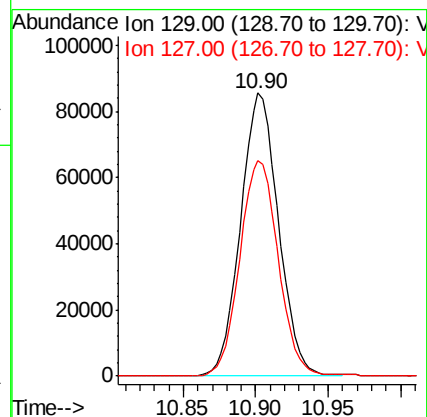
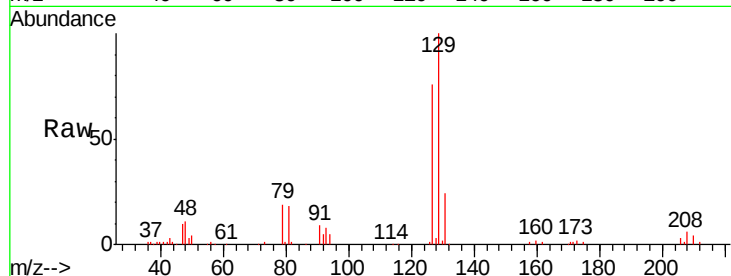
127 77.1 40.2 120.5

Manual Integrations

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10/15/2018 11:28:01 AM



#54

1,2-Dibromoethane

Concen: 19.45 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051836.D

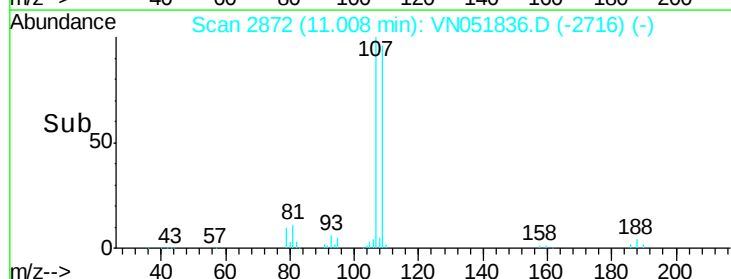
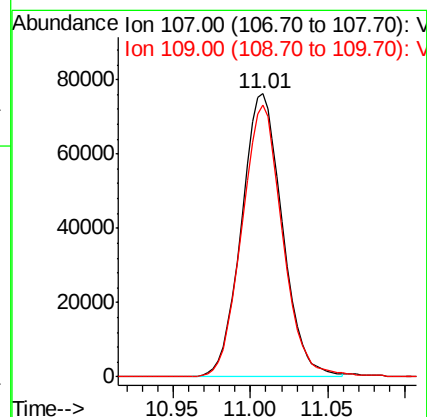
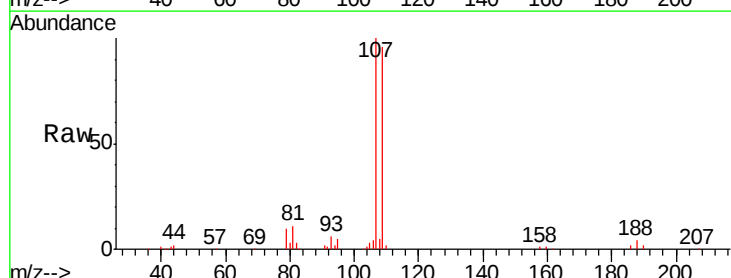
Acq: 12 Oct 2018 16:40

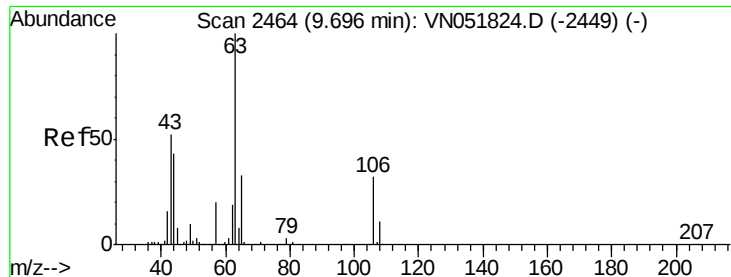
Tgt Ion:107 Resp: 139918

Ion Ratio Lower Upper

107 100

109 95.9 77.4 116.0





#55

2-Chloroethyl vinyl ether

Concen: 97.60 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD01

Tgt Ion: 63 Resp: 327387  
Ion Ratio Lower Upper

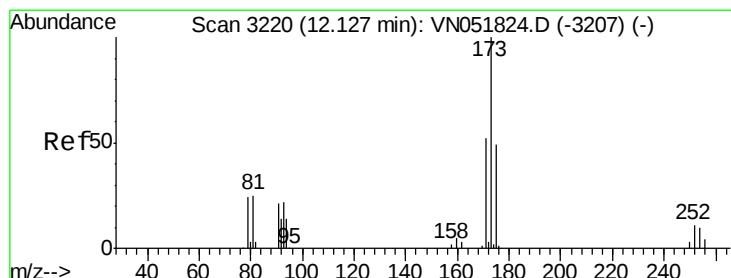
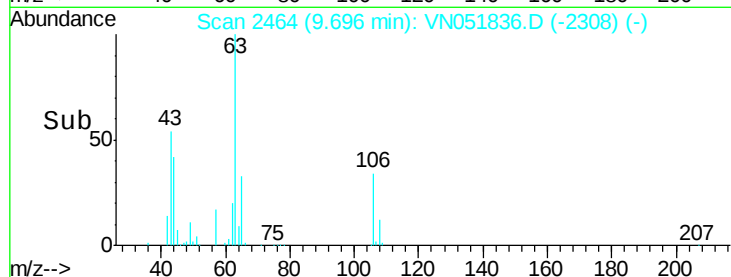
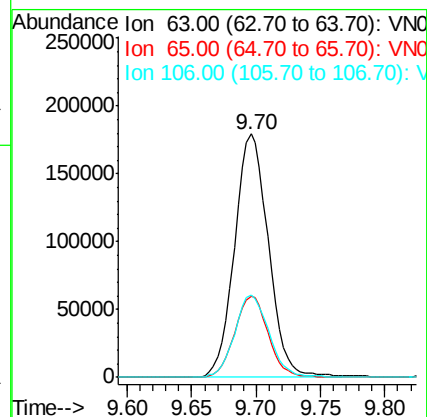
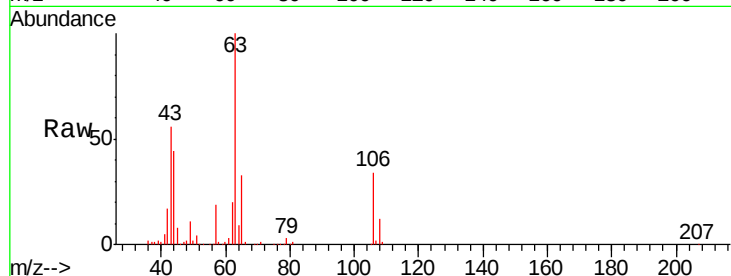
63 100

65 33.0 25.4 38.0

106 34.5 21.2 31.8#

Manual Integrations  
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10/15/2018 11:28:01 AM



#56

Bromoform

Concen: 16.86 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051836.D

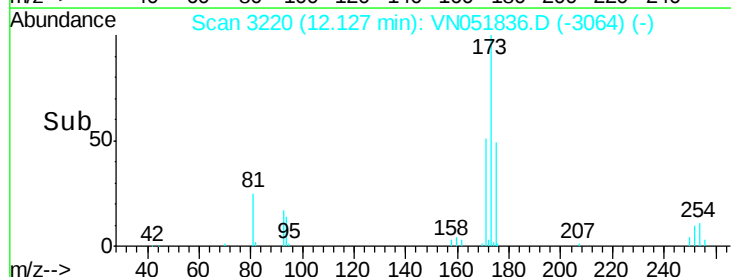
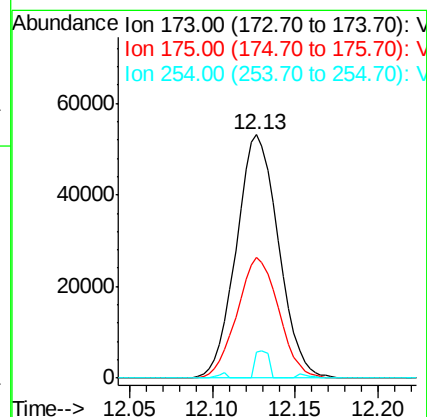
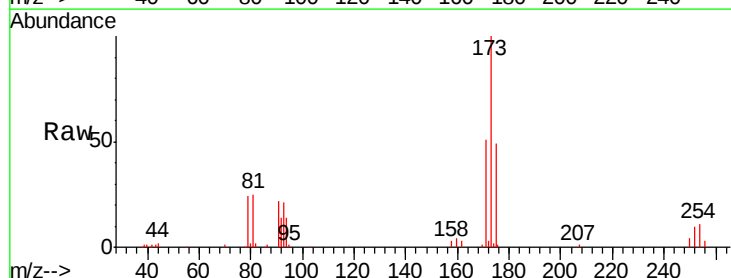
Acq: 12 Oct 2018 16:40

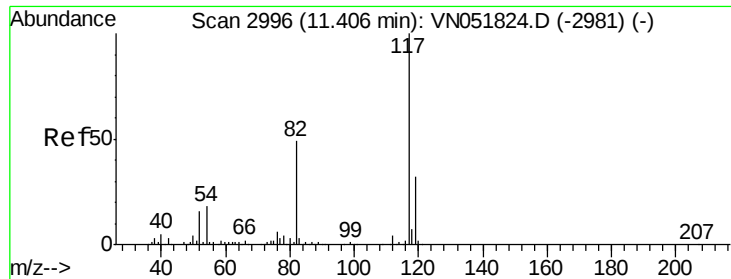
Tgt Ion: 173 Resp: 94268  
Ion Ratio Lower Upper

173 100

175 48.7 35.8 53.8

254 3.5 8.6 13.0#





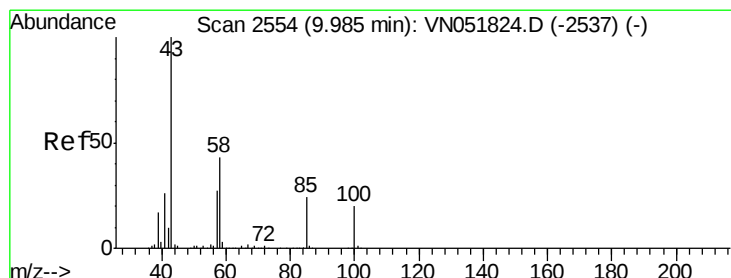
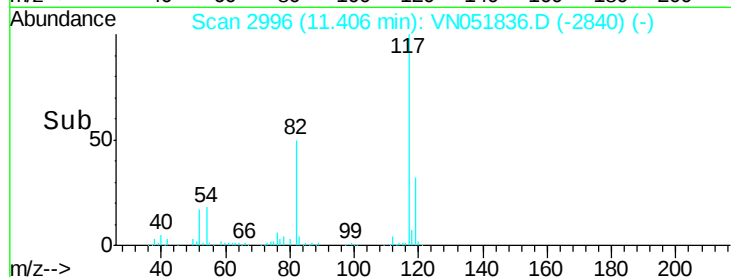
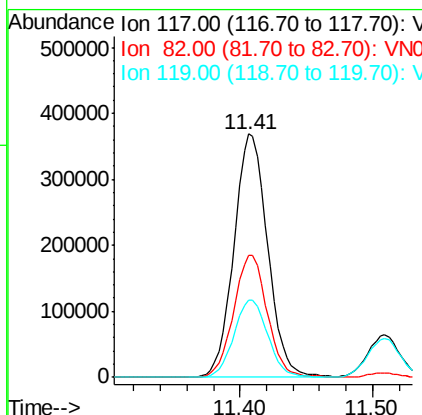
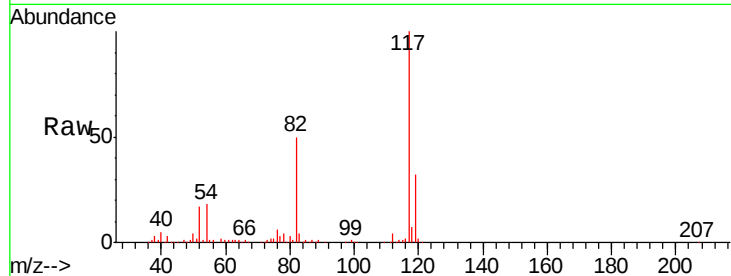
#57  
Chlorobenzene-d5  
Concen: 30.00 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 50.0  | 44.1  | 66.1  |
| 119     | 32.1  | 25.8  | 38.8  |

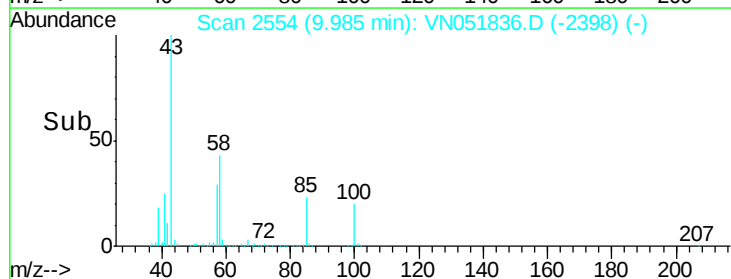
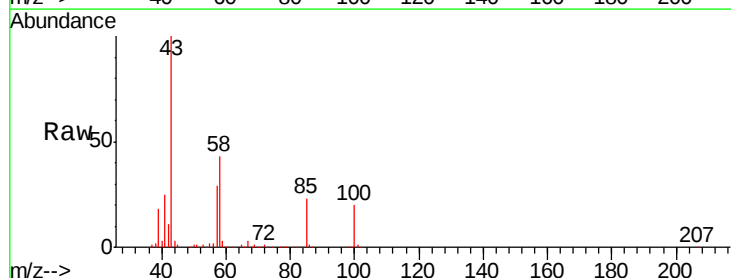
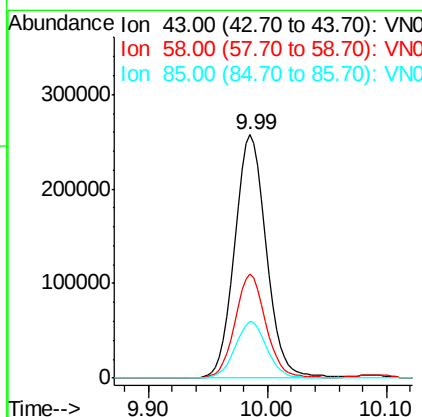
Manual Integrations  
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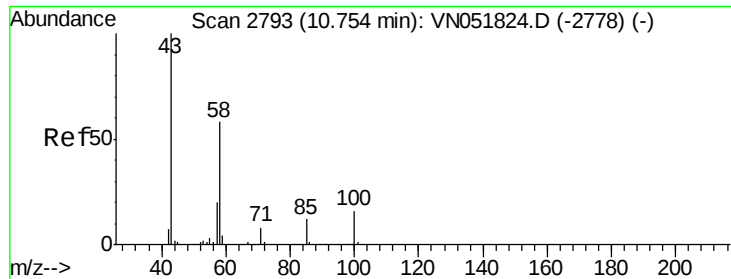
MMDadoda  
10/15/2018 11:28:01 AM



#58  
4-Methyl-2-Pentanone  
Concen: 108.64 ug/l  
RT: 9.99 min Scan# 2554  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 41.8  | 29.3  | 43.9  |
| 85      | 23.2  | 12.6  | 18.8  |





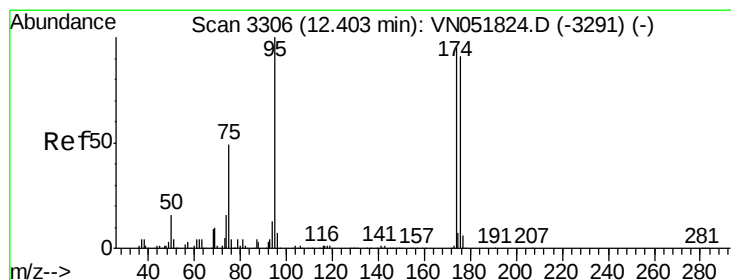
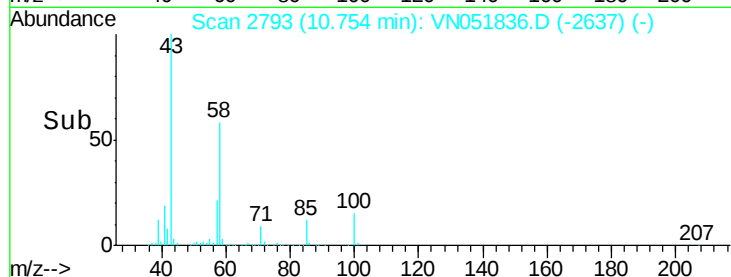
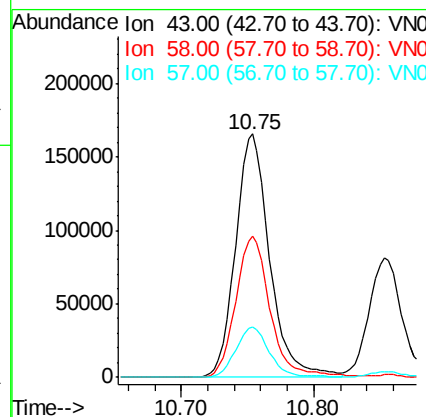
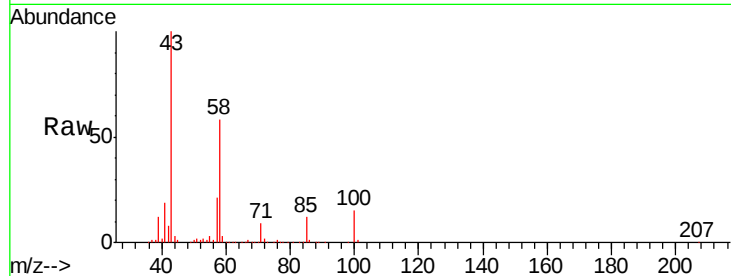
#59  
2-Hexanone  
Concen: 99.96 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 58.5  | 41.3  | 61.9  |
| 57      | 19.9  | 13.4  | 20.0  |

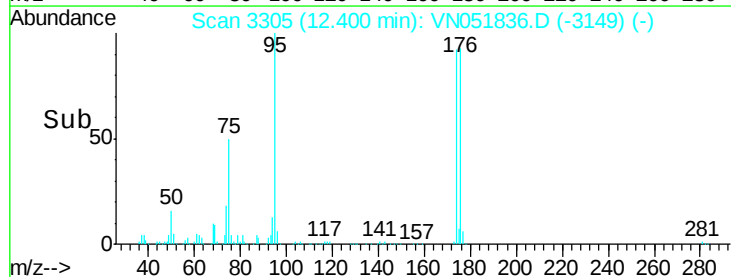
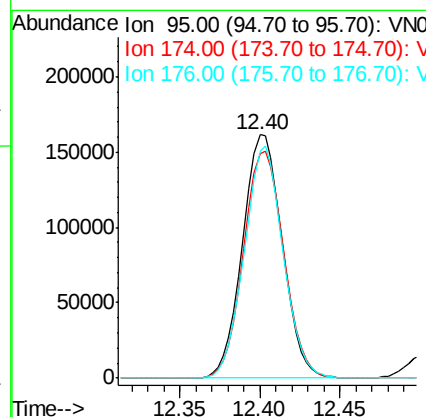
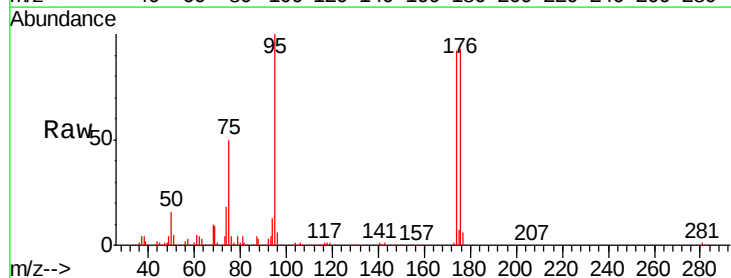
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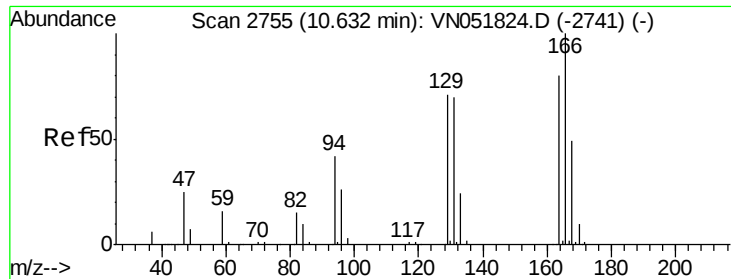
MMDadoda  
10/15/2018 11:28:01 AM



#60  
4-Bromofluorobenzene  
Concen: 99.96 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 94.8  | 73.5  | 110.3 |
| 176     | 92.9  | 70.2  | 105.2 |





#61

Tetrachloroethene

Concen: 20.40 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD01

Tgt Ion: 164 Resp: 170184

Ion Ratio Lower Upper

164 100

166 131.7 98.7 148.1

129 91.9 69.6 104.4

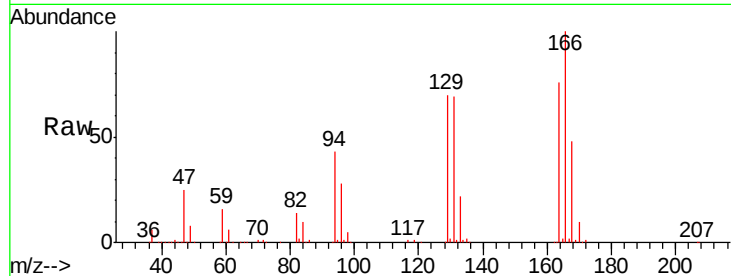
131 91.3 72.4 108.6

Manual Integrations

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MMDadoda

10/15/2018 11:28:01 AM

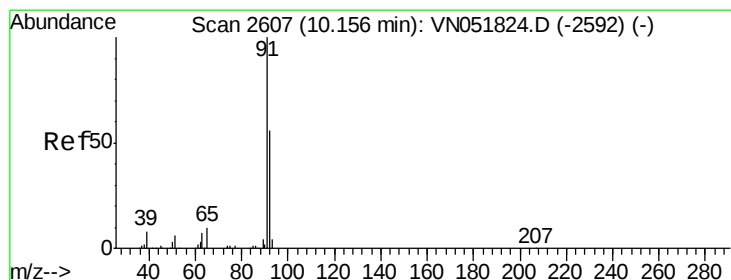
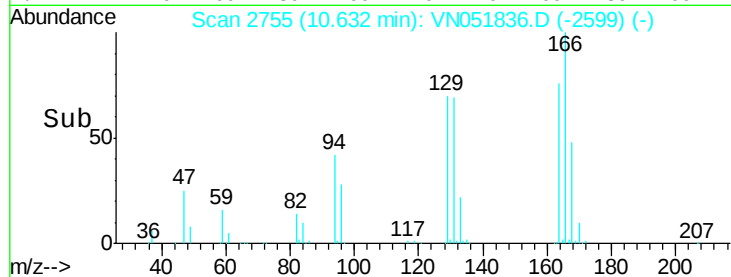
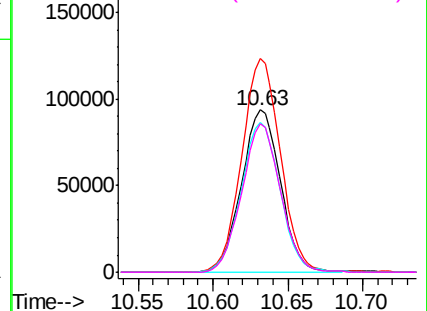


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.41 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051836.D

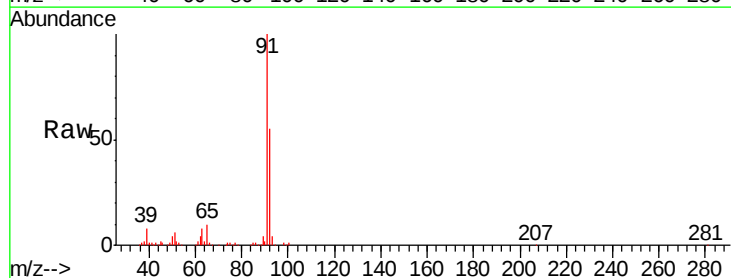
Acq: 12 Oct 2018 16:40

Tgt Ion: 91 Resp: 661361

Ion Ratio Lower Upper

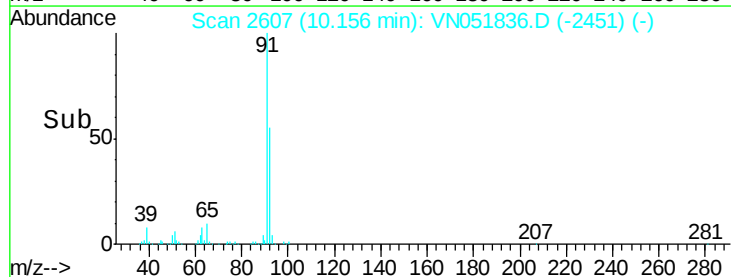
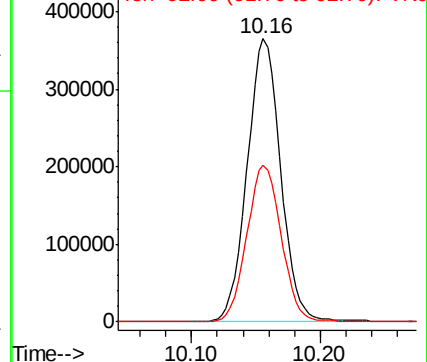
91 100

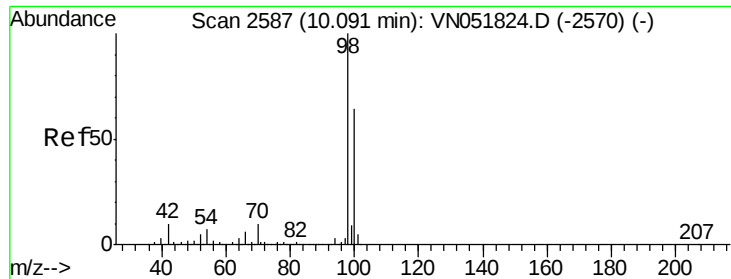
92 56.9 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





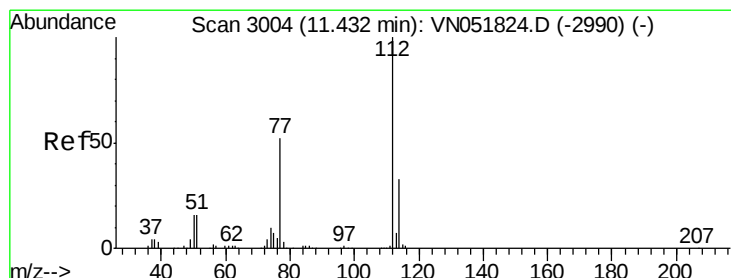
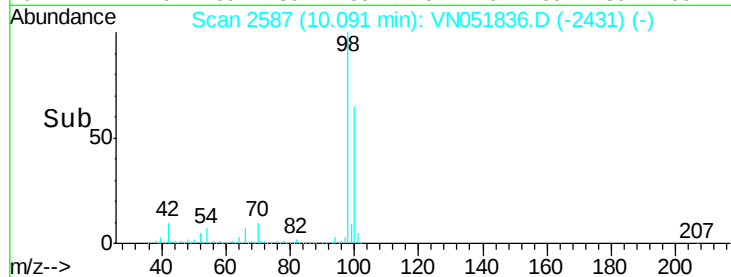
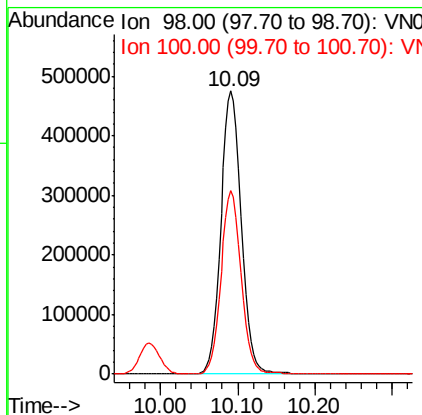
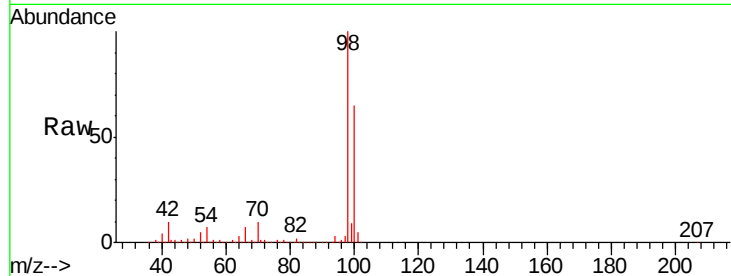
#63  
Toluene-d8  
Concen: 20.41 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD01

Tgt Ion: 98 Resp: 876626  
Ion Ratio Lower Upper  
98 100  
100 63.0 50.8 76.2

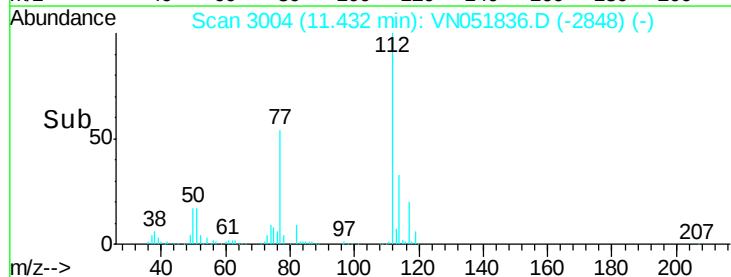
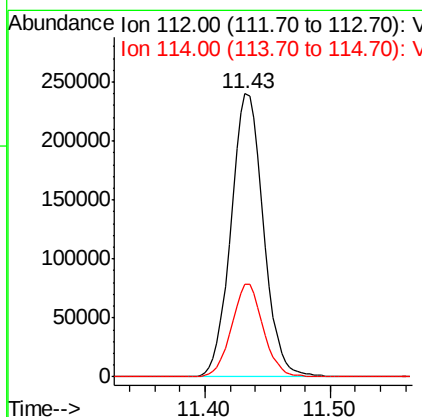
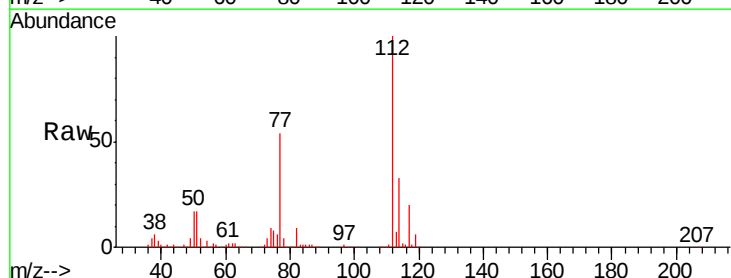
Manual Integrations  
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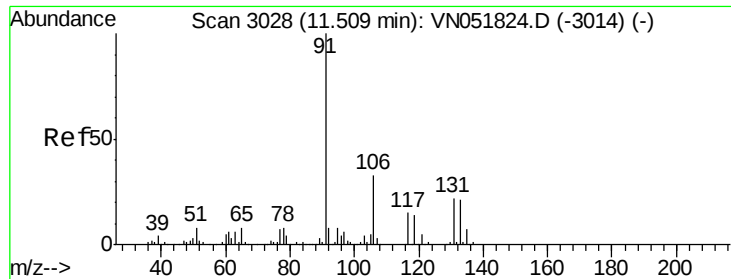
MMDadoda  
10/15/2018 11:28:01 AM



#64  
Chlorobenzene  
Concen: 20.33 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

Tgt Ion: 112 Resp: 431401  
Ion Ratio Lower Upper  
112 100  
114 32.7 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.97 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

Instrument :

MSVOA\_N

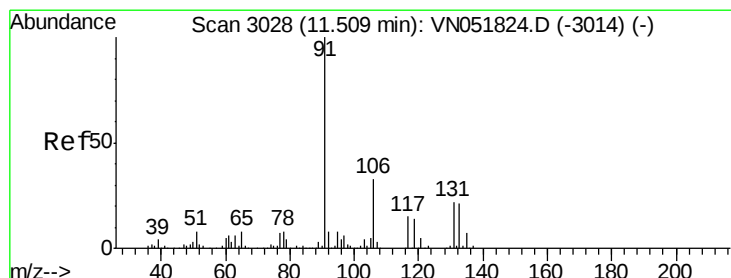
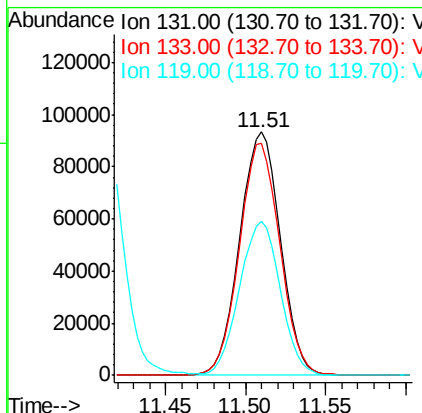
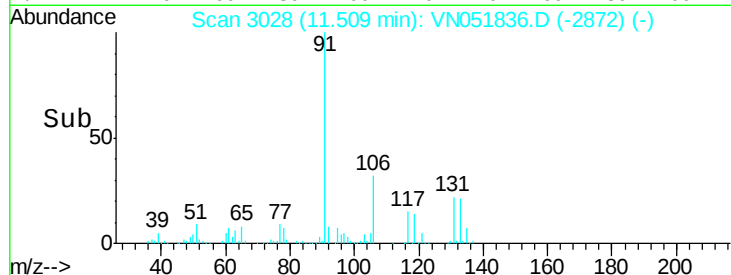
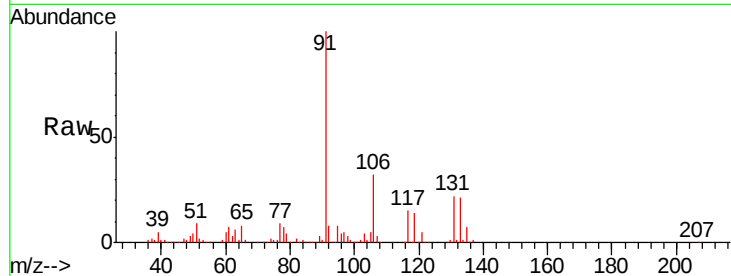
ClientSampleId :

VN1012WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 131   | Resp: | 162706 |
| Ion Ratio | Lower | Upper |        |
| 131       | 100   |       |        |
| 133       | 94.7  | 0.0   | 190.4  |
| 119       | 63.5  | 0.0   | 128.0  |

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#66

Ethyl Benzene

Concen: 20.15 ug/l

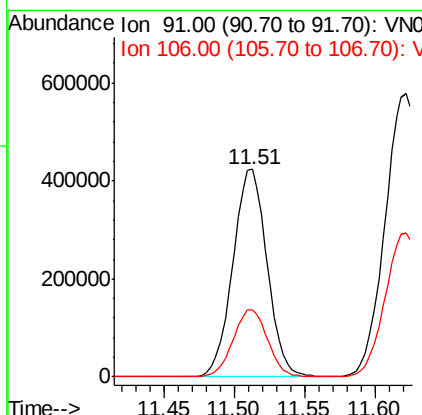
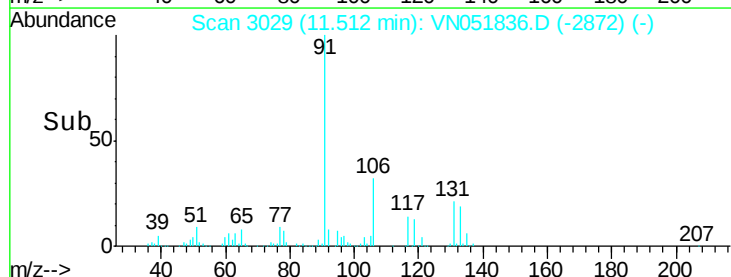
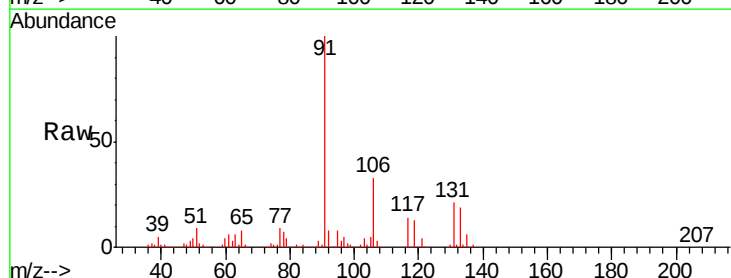
RT: 11.51 min Scan# 3029

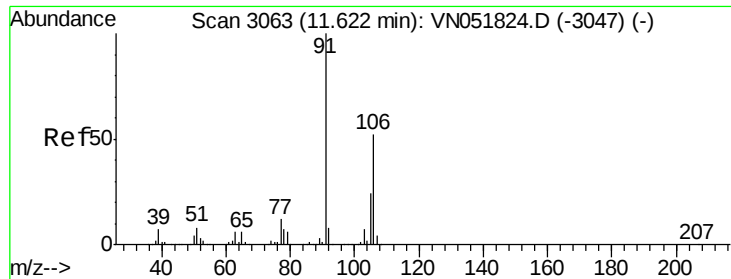
Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 721523 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 32.5  | 25.9  | 38.9   |





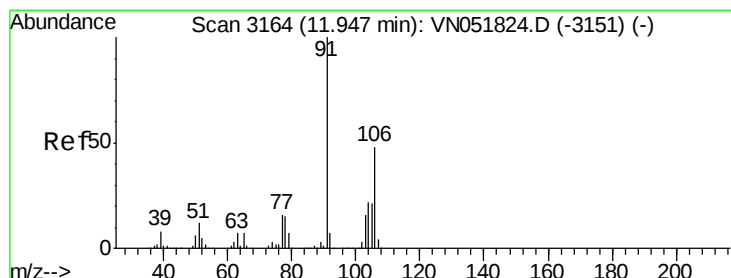
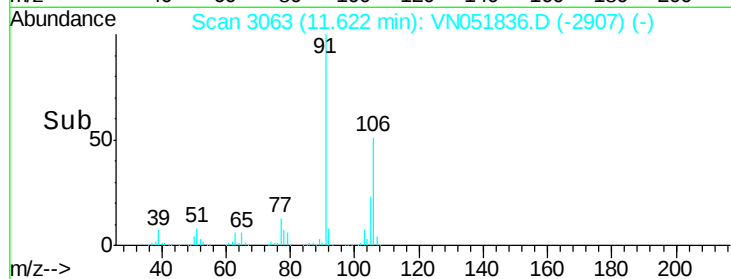
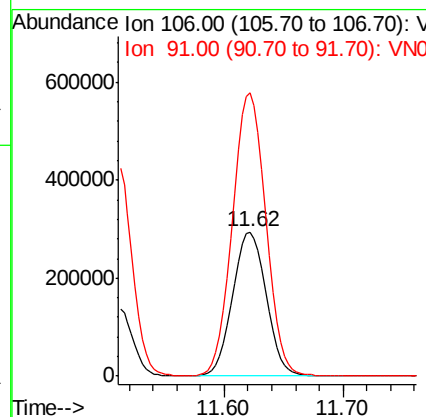
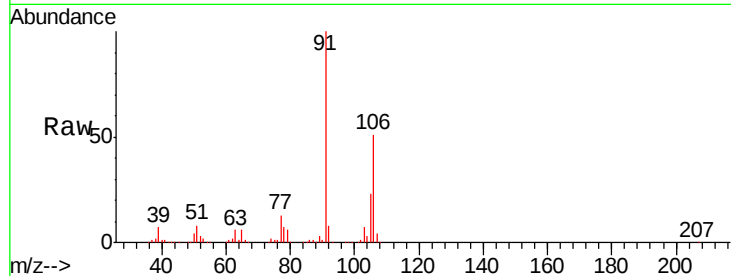
#67  
m/p-Xylenes  
Concen: 39.65 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD01

Tgt Ion:106 Resp: 575786  
Ion Ratio Lower Upper  
106 100  
91 195.2 158.8 238.2

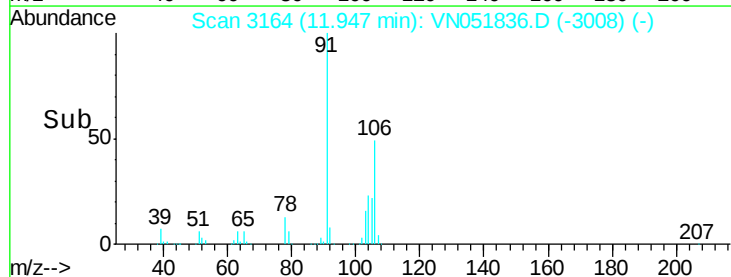
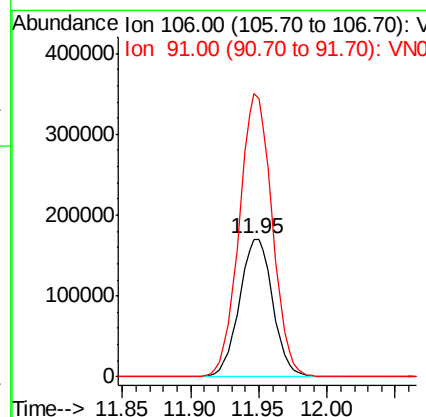
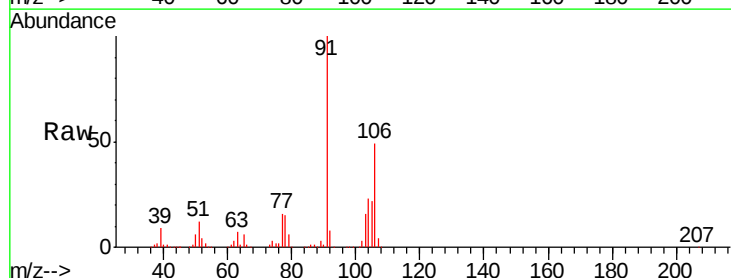
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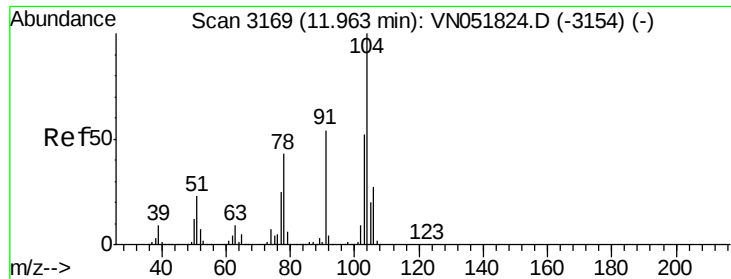
MMDadoda  
10/15/2018 11:28:01 AM



#68  
o-Xylene  
Concen: 20.19 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

Tgt Ion:106 Resp: 289051  
Ion Ratio Lower Upper  
106 100  
91 203.5 111.1 333.3





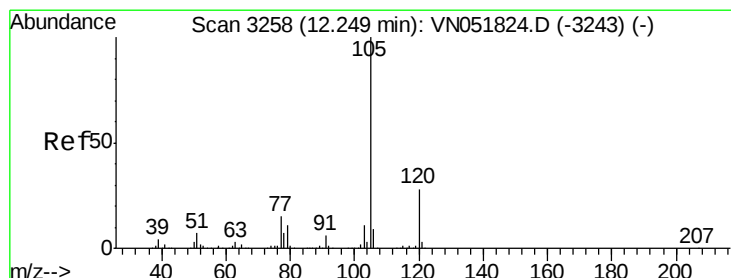
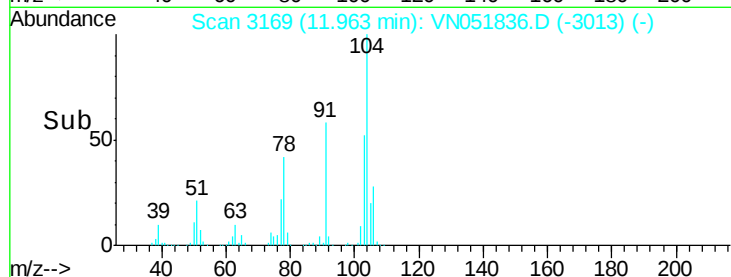
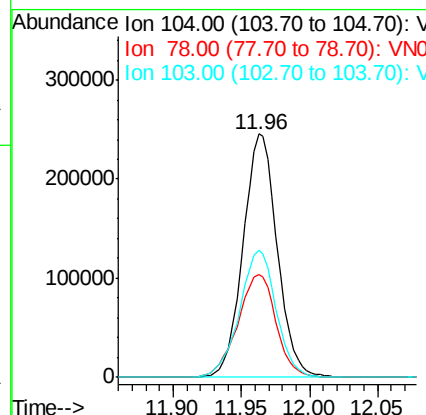
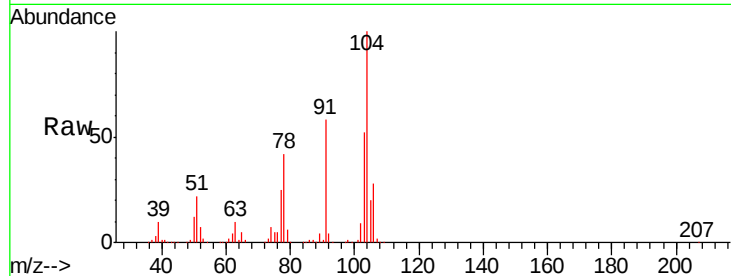
#69  
Styrene  
Concen: 19.41 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 47.3  | 40.6  | 60.8  |
| 103     | 56.0  | 44.0  | 66.0  |

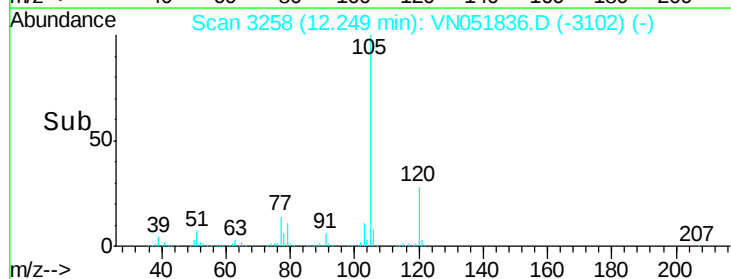
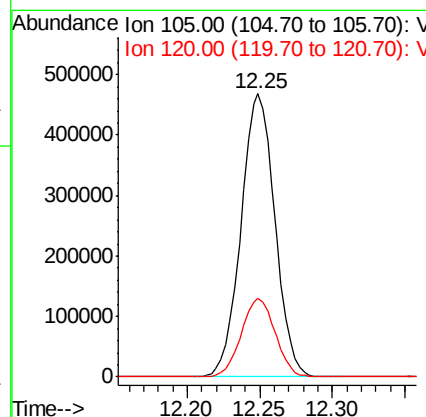
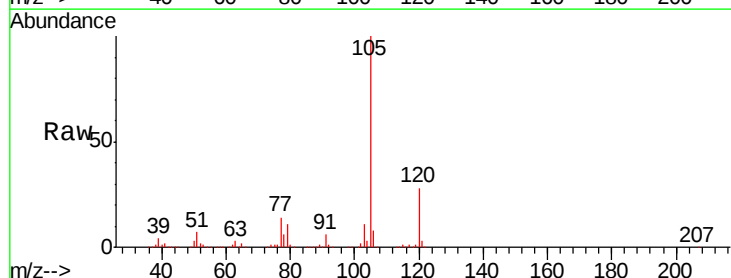
Manual Integrations  
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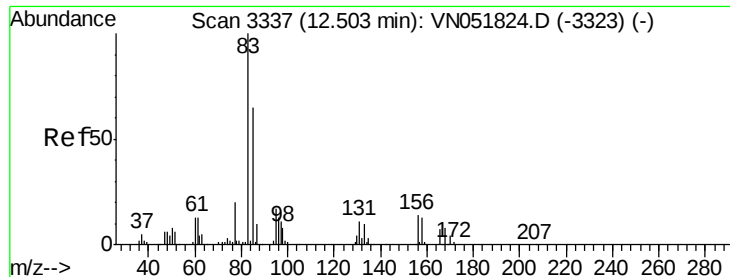
MMDadoda  
10/15/2018 11:28:01 AM



#70  
Isopropylbenzene  
Concen: 19.87 ug/l  
RT: 12.25 min Scan# 3258  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 27.7  | 19.0  | 35.4  |





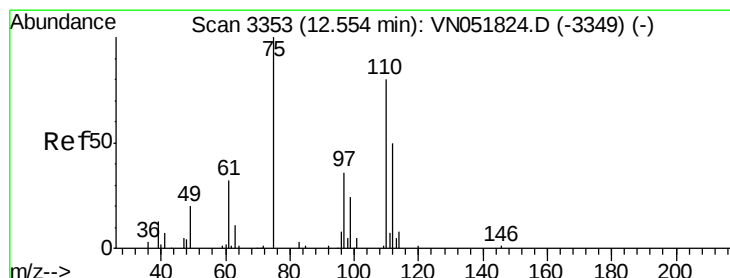
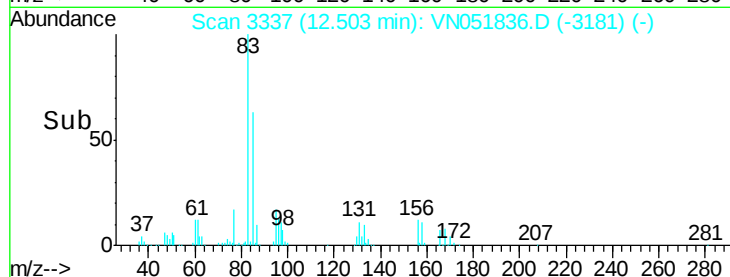
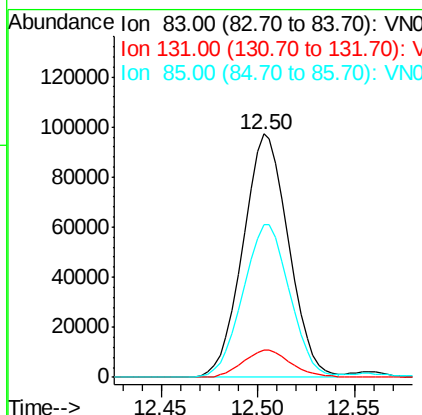
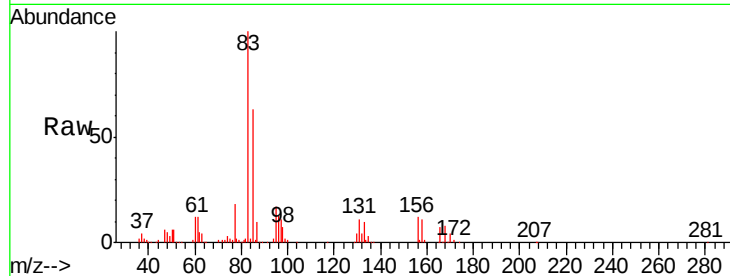
#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 21.16 ug/l  
 RT: 12.50 min Scan# 3337  
 Delta R.T. 0.00 min  
 Lab File: VN051836.D  
 Acq: 12 Oct 2018 16:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1012WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 131     | 11.8  | 5.5   | 16.4  |
| 85      | 64.6  | 30.6  | 91.8  |

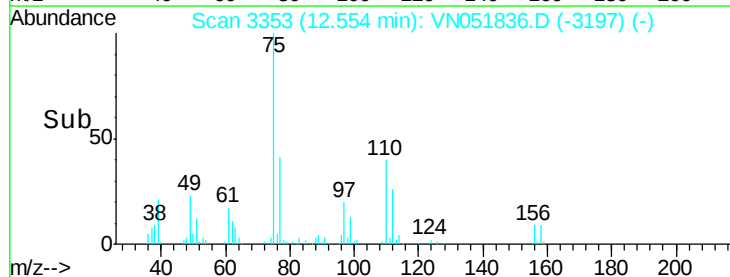
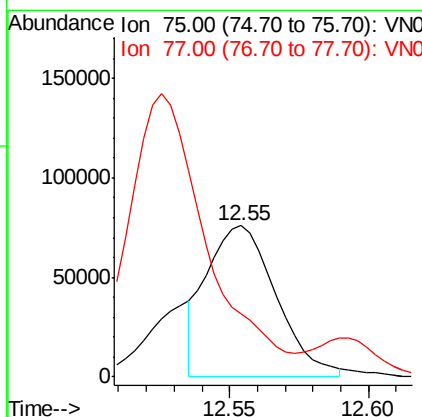
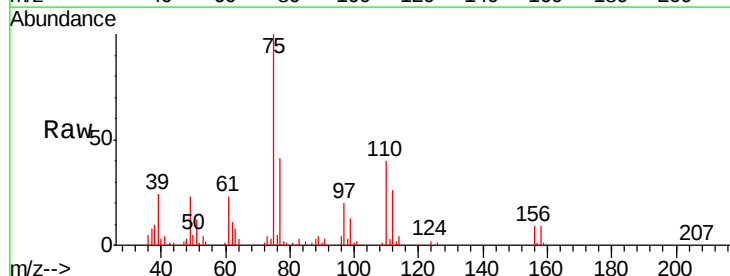
Manual Integrations  
 APPROVED

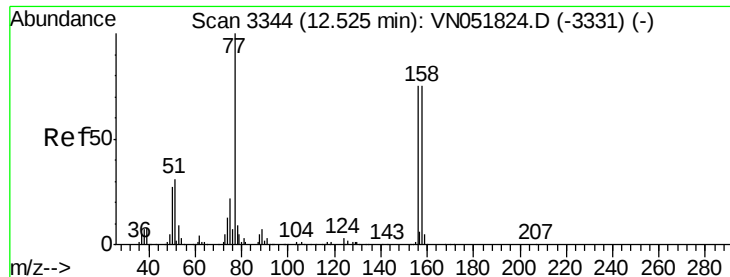
MMDadoda  
 10/15/2018 11:28:01 AM



#72  
 1,2,3-Trichloropropane  
 Concen: 22.43 ug/l m  
 RT: 12.55 min Scan# 3353  
 Delta R.T. 0.00 min  
 Lab File: VN051836.D  
 Acq: 12 Oct 2018 16:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 212.0 | 0.0   | 400.0 |





#73

Bromobenzene

Concen: 19.26 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

Instrument :

MSVOA\_N

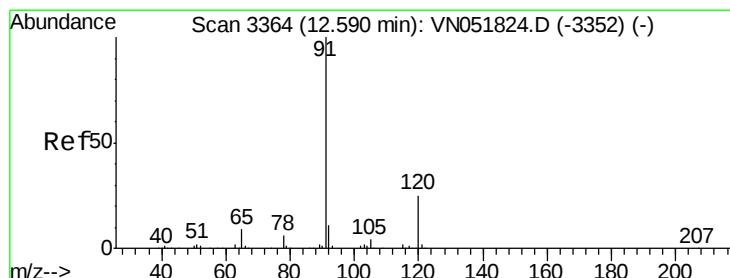
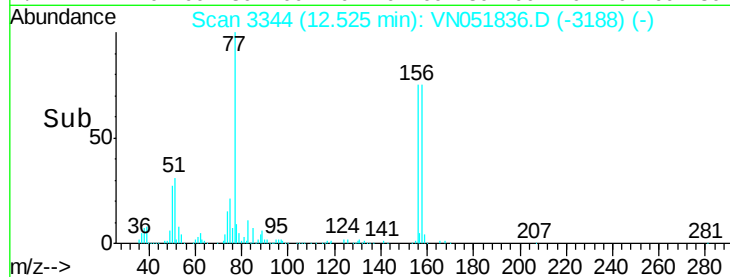
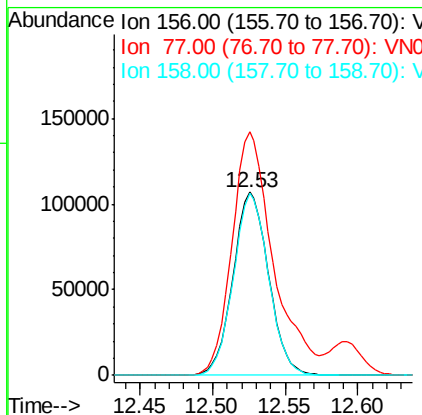
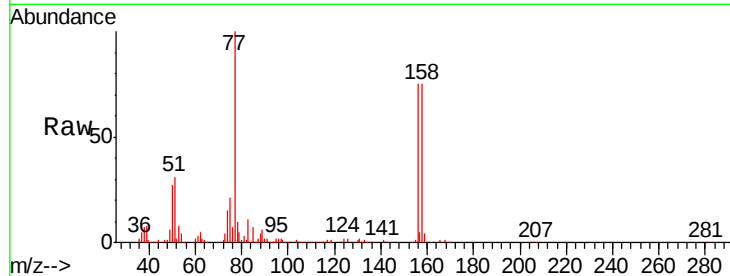
ClientSampleId :

VN1012WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 156   | Resp: | 182136 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 154.8 | 0.0   | 377.4  |
| 158       | 98.1  | 0.0   | 203.0  |

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10/15/2018 11:28:01 AM



#74

n-propylbenzene

Concen: 19.62 ug/l

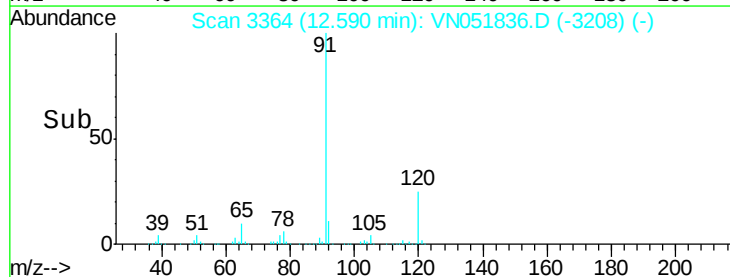
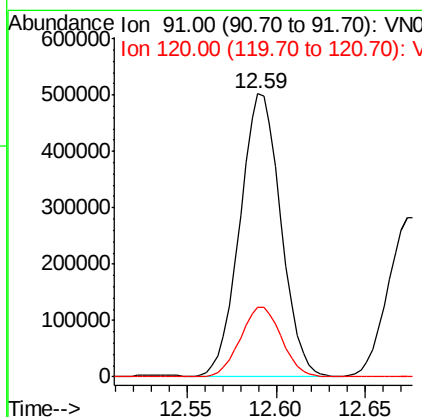
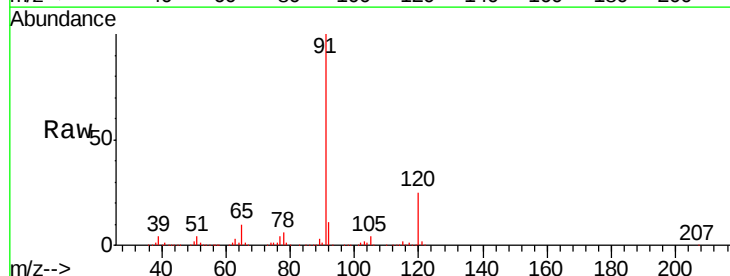
RT: 12.59 min Scan# 3364

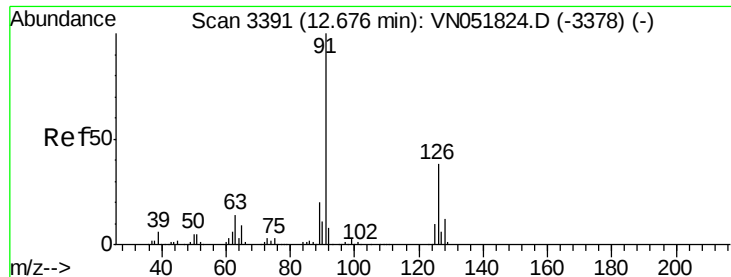
Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 805592 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 24.8  | 0.0   | 45.0   |





#75

2-Chlorotoluene

Concen: 19.89 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD01

Tgt Ion: 91 Resp: 478863

Ion Ratio Lower Upper

91 100

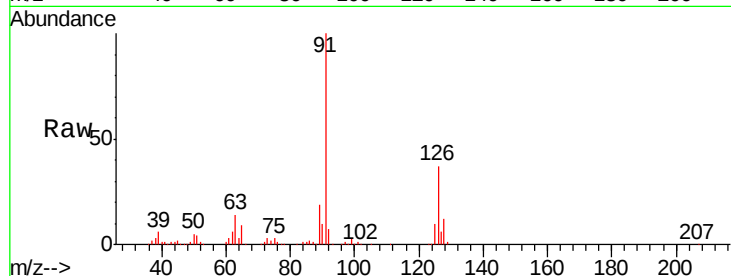
126 36.9 0.0 67.6

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Abundance Ion 91.00 (90.70 to 91.70): VN051824.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN051824.D (-3378) (-)

400000

300000

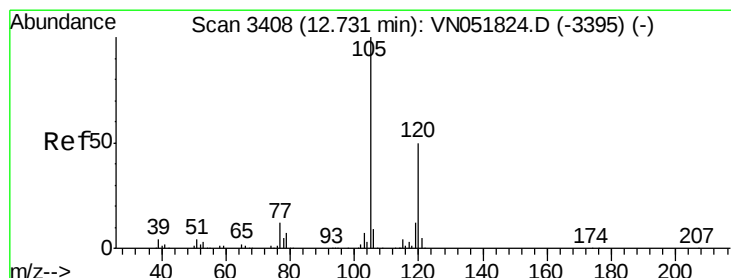
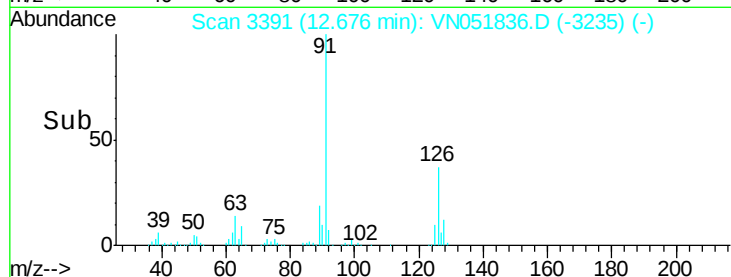
200000

100000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.81 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051836.D

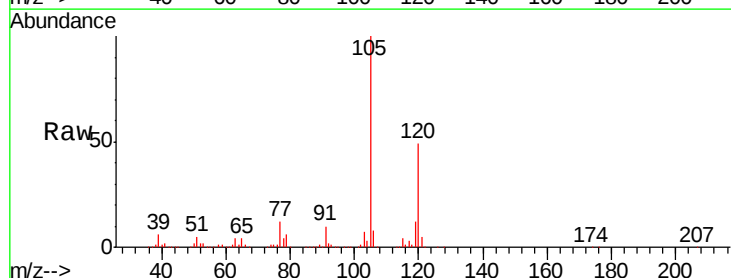
Acq: 12 Oct 2018 16:40

Tgt Ion: 105 Resp: 625323

Ion Ratio Lower Upper

105 100

120 49.2 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): VN051824.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN051824.D (-3395) (-)

400000

300000

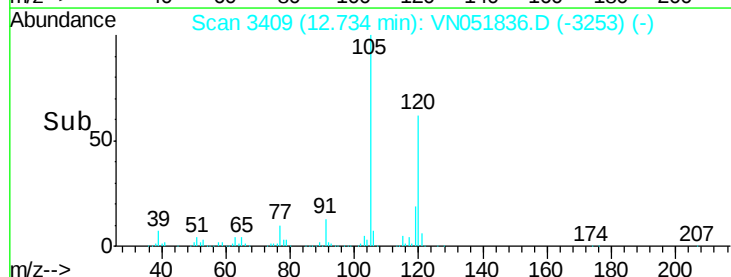
200000

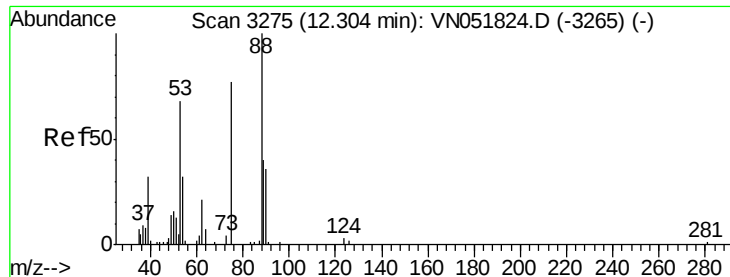
100000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 15.84 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD01

Tgt Ion: 75 Resp: 31060

Ion Ratio Lower Upper

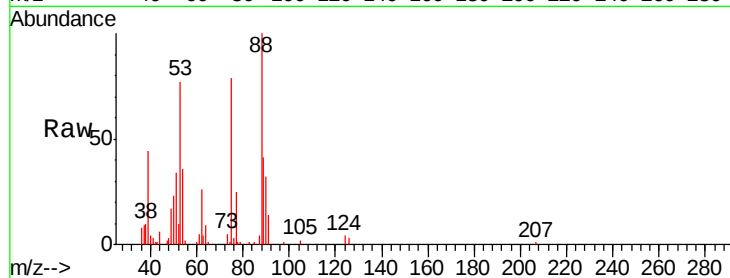
75 100

53 97.6 46.3 138.9

89 51.1 24.6 73.8

Manual Integrations  
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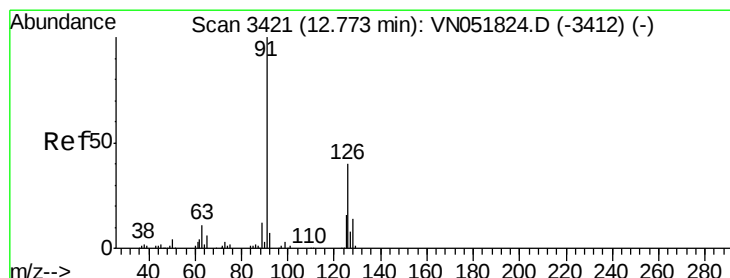
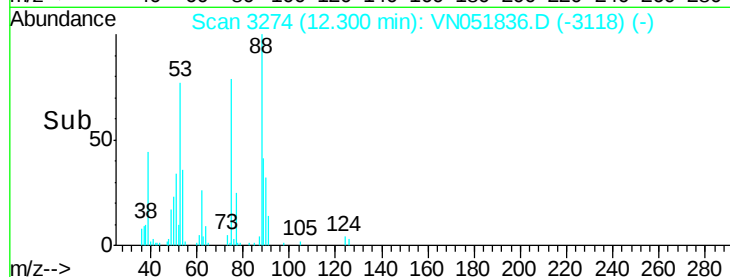
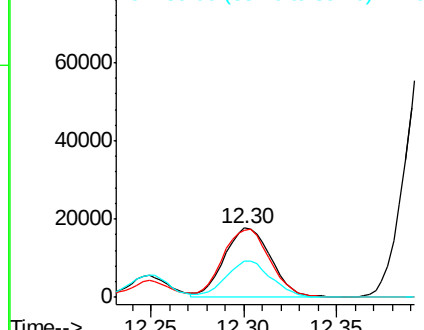
MMDadoda  
10/15/2018 11:28:01 AM



Abundance Ion 75.00 (74.70 to 75.70): VN051836.D (-3118) (-)

Ion 53.00 (52.70 to 53.70): VN051836.D (-3118) (-)

Ion 89.00 (88.70 to 89.70): VN051836.D (-3118) (-)



#78

4-Chlorotoluene

Concen: 19.19 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051836.D

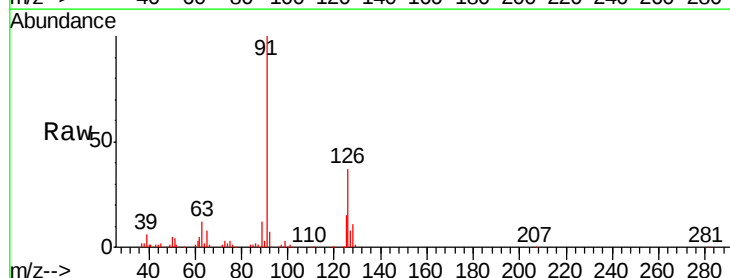
Acq: 12 Oct 2018 16:40

Tgt Ion: 91 Resp: 453951

Ion Ratio Lower Upper

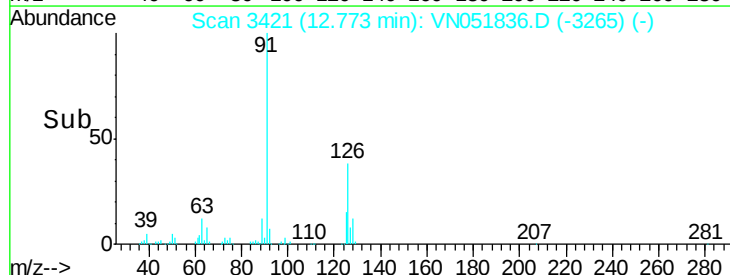
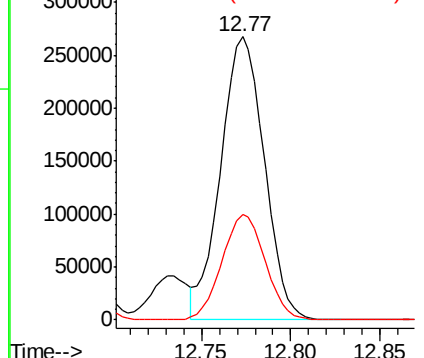
91 100

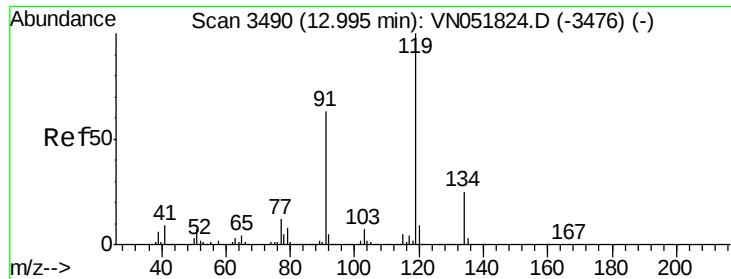
126 36.8 0.0 65.2



Abundance Ion 91.00 (90.70 to 91.70): VN051836.D (-3265) (-)

Ion 126.00 (125.70 to 126.70): VN051836.D (-3265) (-)





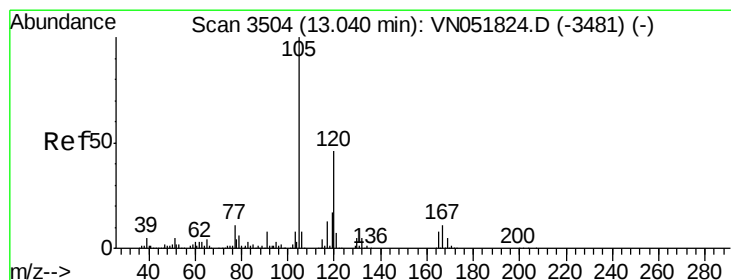
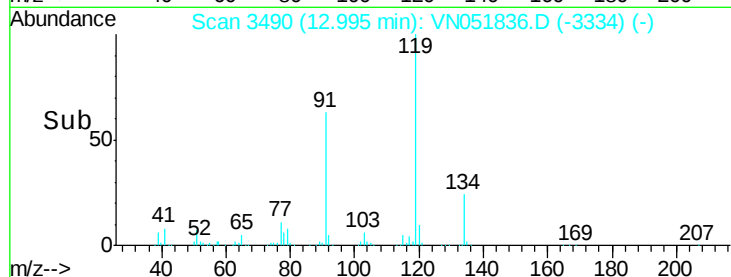
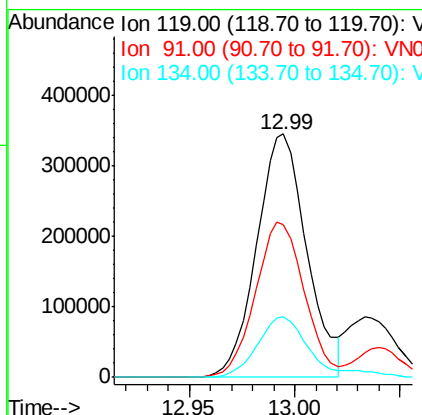
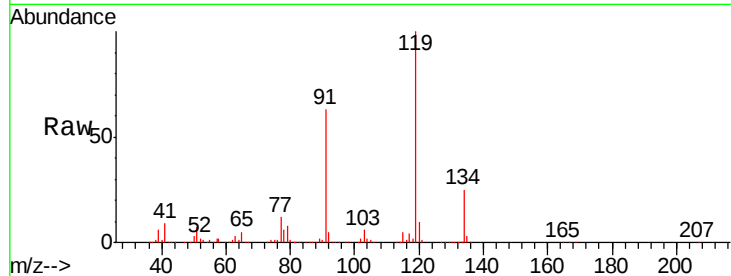
#79  
tert-butylbenzene  
Concen: 19.67 ug/l  
RT: 12.99 min Scan# 3490  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 571074 |       |       |
| 91      | 62.3  | 0.0    | 131.6 |       |
| 134     | 24.6  | 0.0    | 46.2  |       |

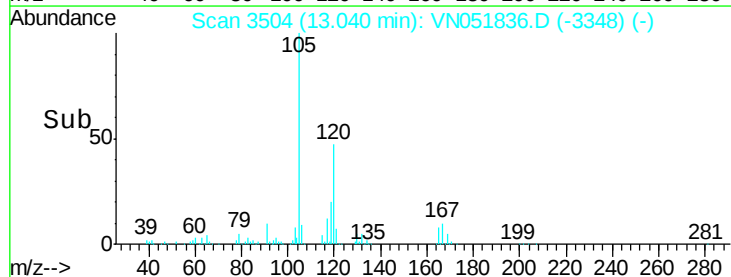
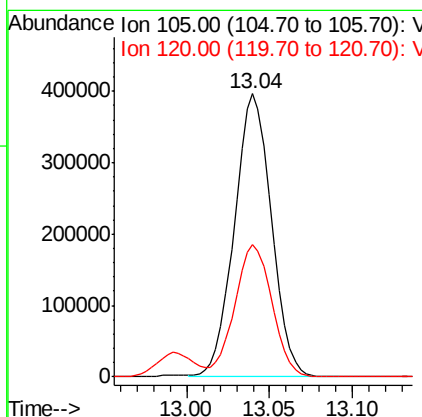
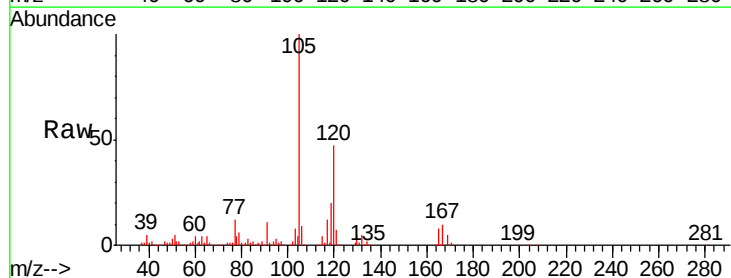
Manual Integrations  
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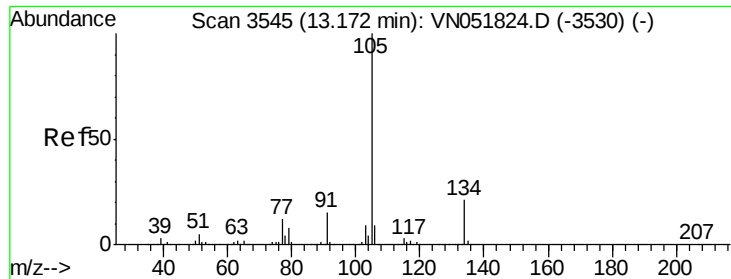
MMDadoda  
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#80  
1,2,4-Trimethylbenzene  
Concen: 19.52 ug/l  
RT: 13.04 min Scan# 3504  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 615888 |       |       |
| 120     | 47.1  | 0.0    | 89.6  |       |





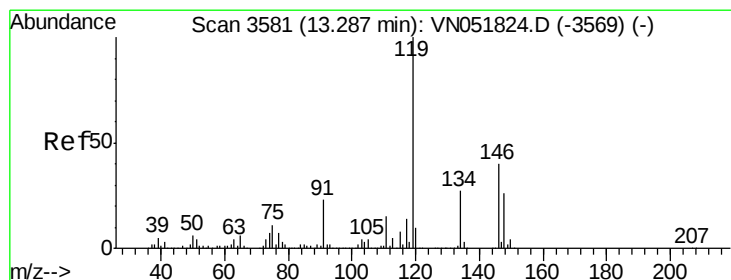
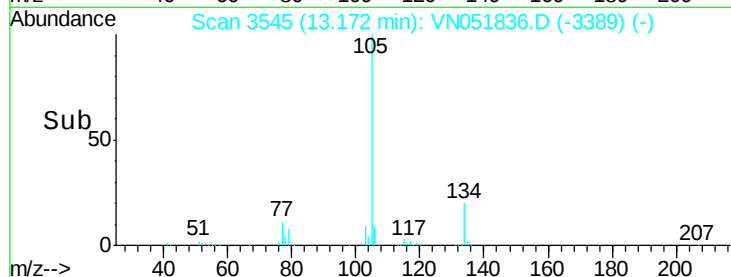
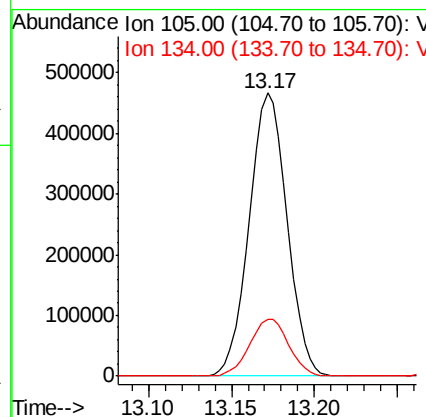
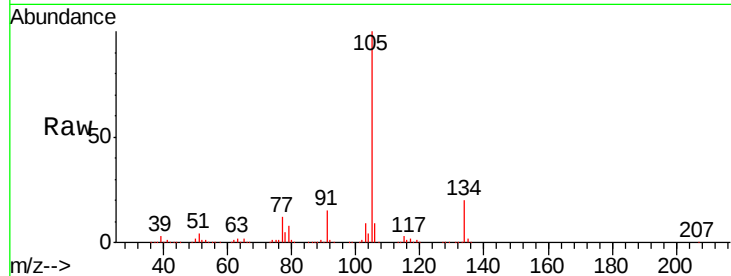
#81  
 sec-Butylbenzene  
 Concen: 19.44 ug/l  
 RT: 13.17 min Scan# 3545  
 Delta R.T. 0.00 min  
 Lab File: VN051836.D  
 Acq: 12 Oct 2018 16:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1012WBSD01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 738323 |       |       |
| 134     | 20.7  | 0.0    | 39.4  |       |

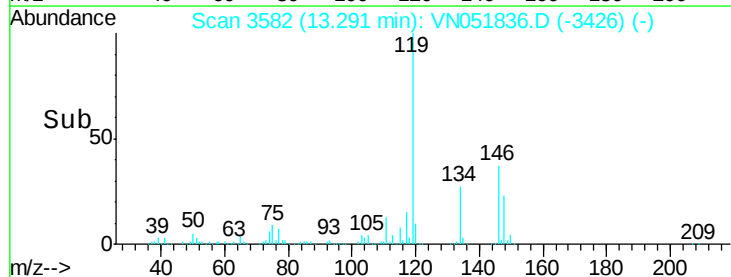
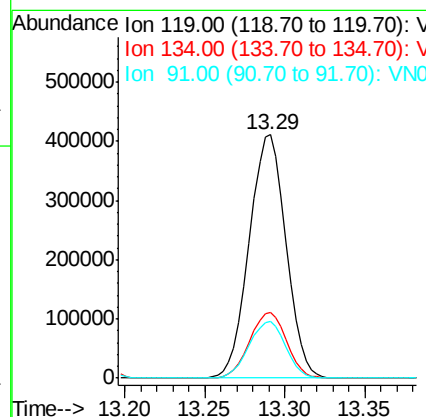
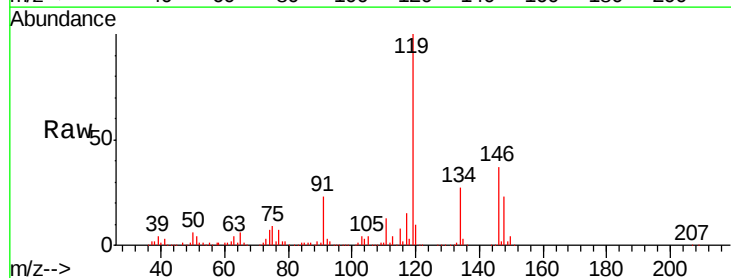
Manual Integrations  
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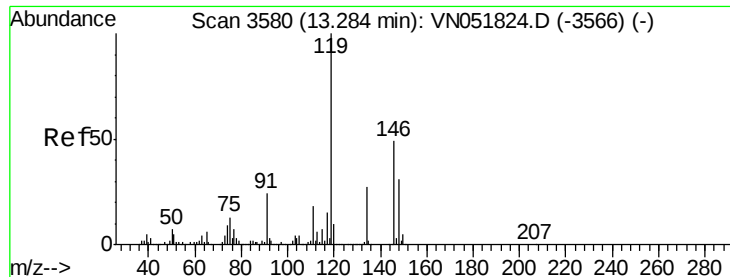
MMDadoda  
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#82  
 p-Isopropyltoluene  
 Concen: 18.99 ug/l  
 RT: 13.29 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN051836.D  
 Acq: 12 Oct 2018 16:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 645185 |       |       |
| 134     | 27.0  | 0.0    | 53.6  |       |
| 91      | 23.2  | 0.0    | 52.0  |       |





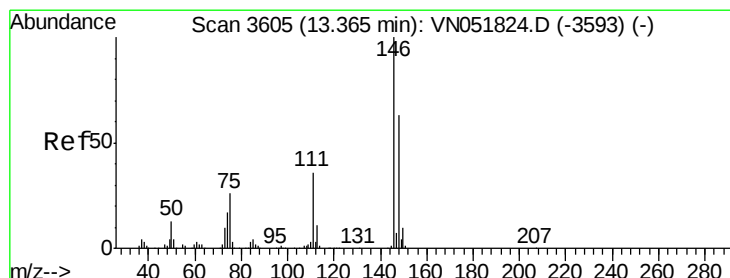
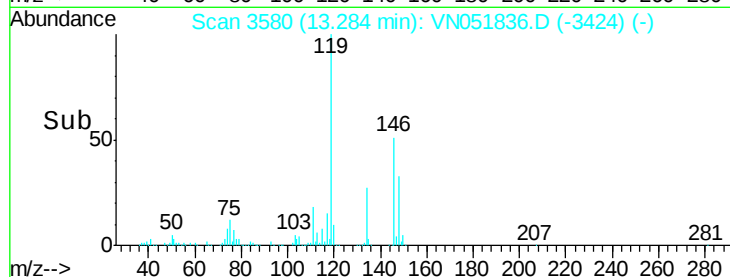
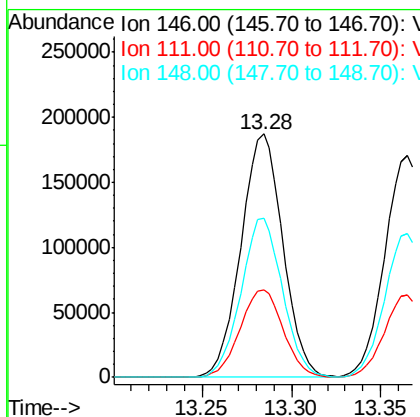
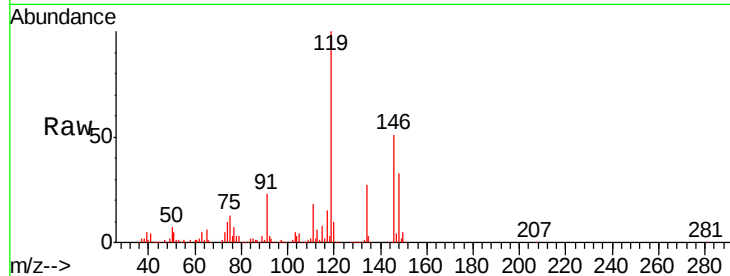
#83  
1,3-Dichlorobenzene  
Concen: 18.49 ug/l  
RT: 13.28 min Scan# 3580  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.9  | 18.1  | 54.3  |
| 148     | 64.6  | 31.3  | 93.8  |

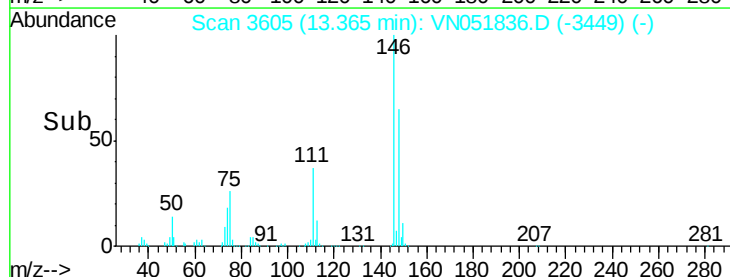
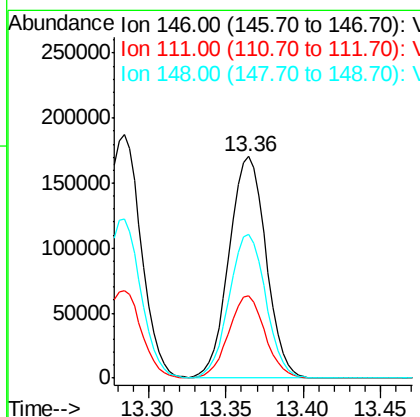
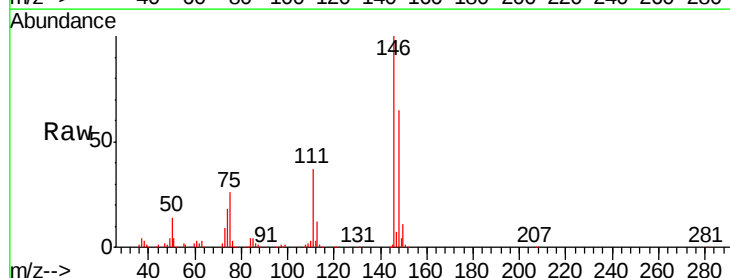
Manual Integrations  
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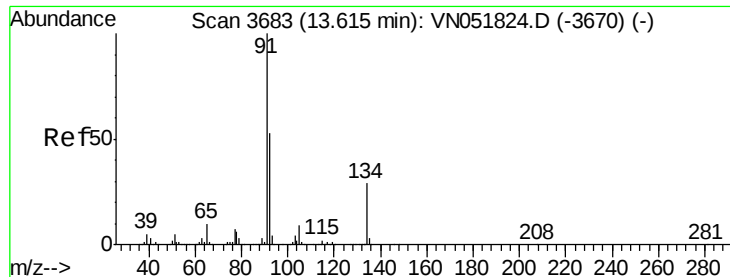
MMDadoda  
10/15/2018 11:28:01 AM



#84  
1,4-Dichlorobenzene  
Concen: 18.02 ug/l  
RT: 13.36 min Scan# 3605  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.2  | 17.4  | 52.2  |
| 148     | 64.4  | 32.8  | 98.3  |





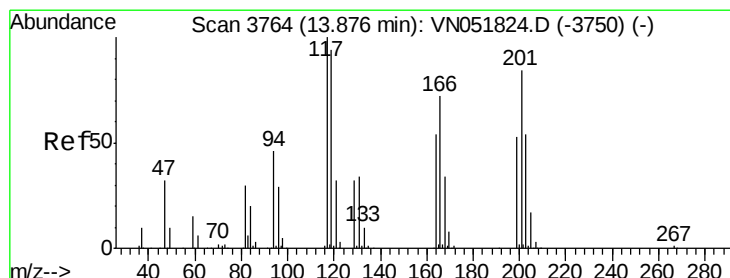
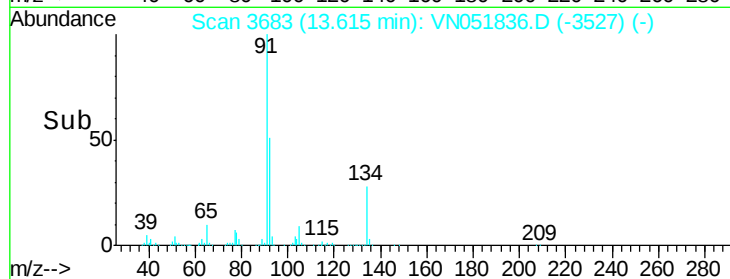
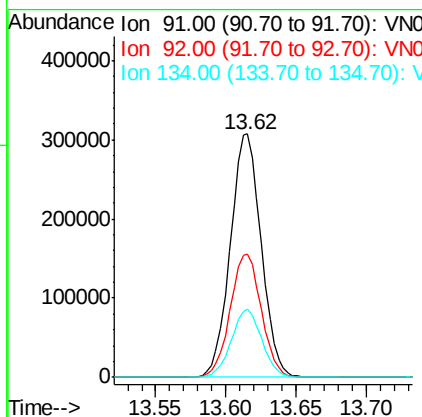
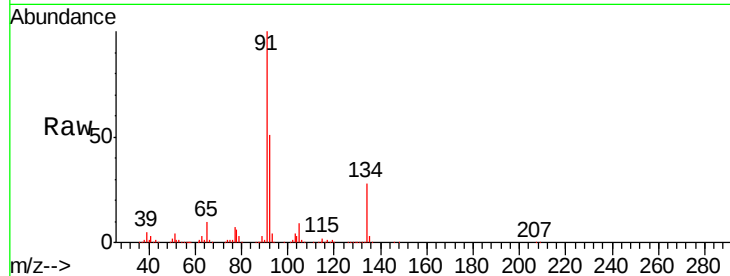
#85  
n-Butylbenzene  
Concen: 18.37 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.0  | 0.0   | 97.4  |
| 134     | 27.8  | 0.0   | 49.6  |

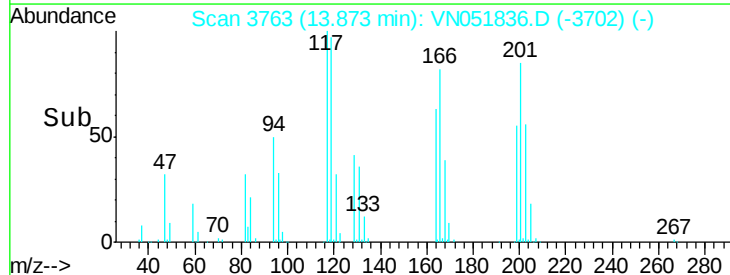
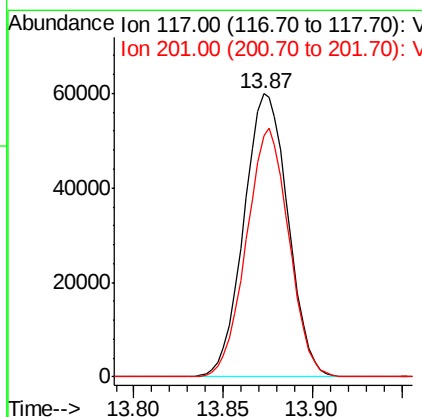
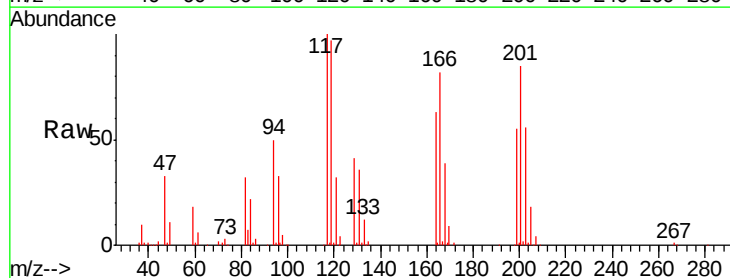
Manual Integrations  
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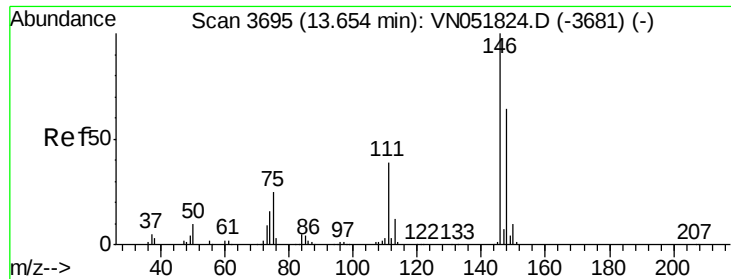
MMDadoda  
10/15/2018 11:28:01 AM



#86  
Hexachloroethane  
Concen: 17.73 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. -0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 84.5  | 47.8  | 143.3 |





#87

1,2-Dichlorobenzene

Concen: 18.99 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

Instrument :

MSVOA\_N

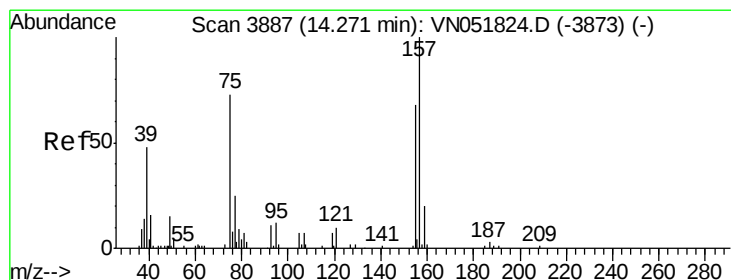
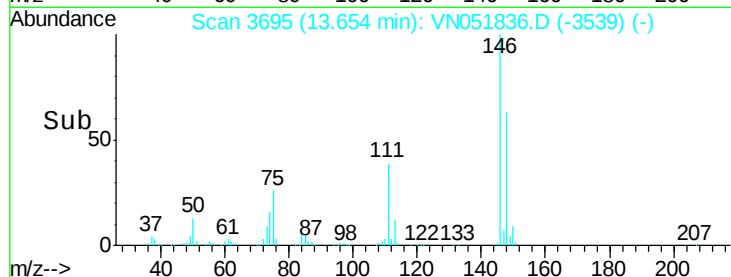
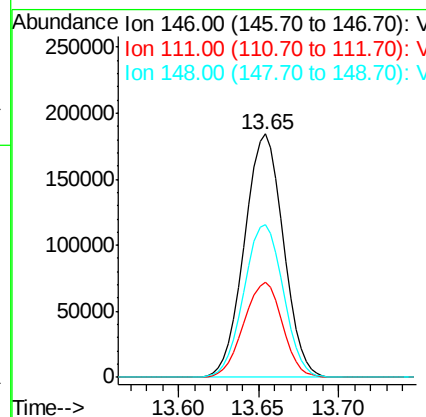
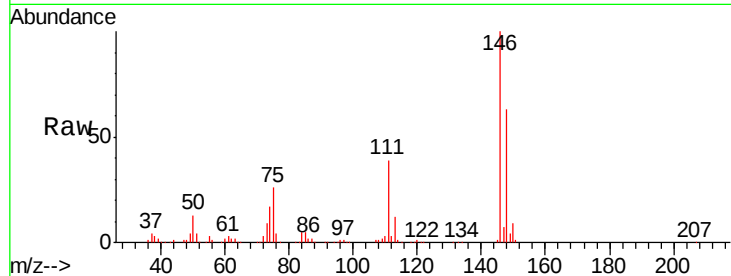
ClientSampleId :

VN1012WBSD01

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 146  | Resp: | 306711 |
| Ion Ratio |      | Lower | Upper  |
| 146       | 100  |       |        |
| 111       | 38.7 | 20.8  | 62.2   |
| 148       | 63.5 | 33.2  | 99.6   |

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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.06 ug/l

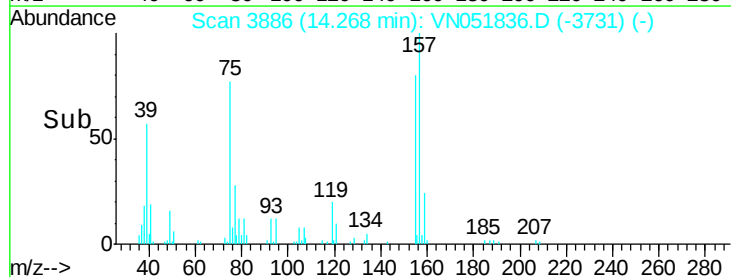
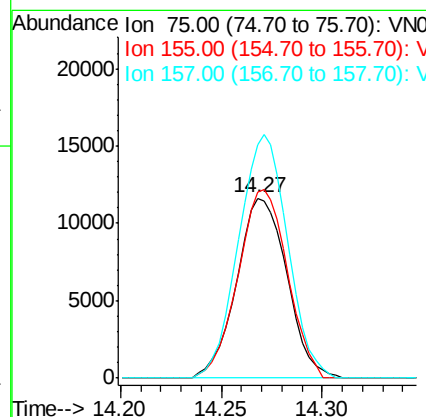
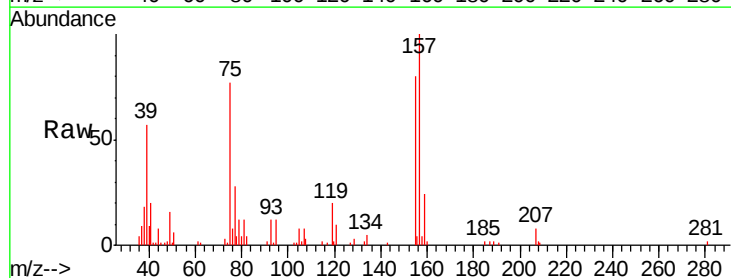
RT: 14.27 min Scan# 3886

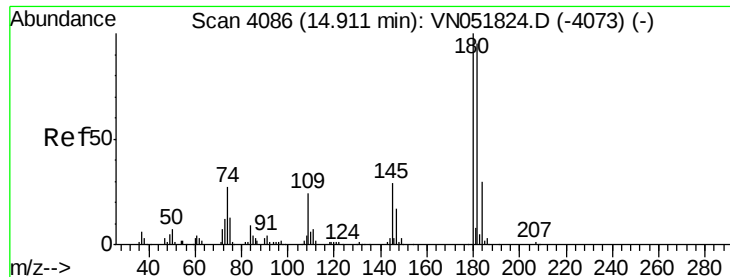
Delta R.T. -0.00 min

Lab File: VN051836.D

Acq: 12 Oct 2018 16:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 20335  |
| Ion Ratio |       | Lower | Upper  |
| 75        | 100   |       |        |
| 155       | 102.6 | 57.0  | 85.6#  |
| 157       | 131.8 | 87.4  | 131.0# |





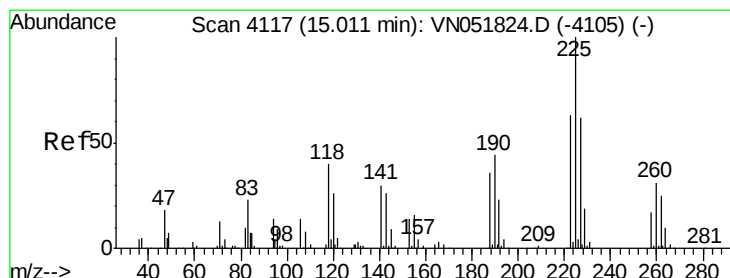
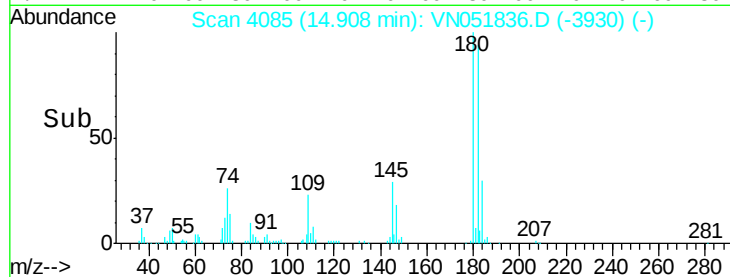
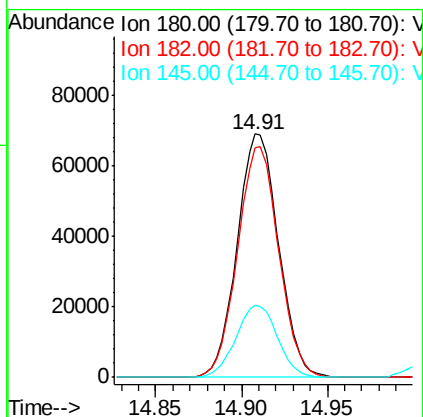
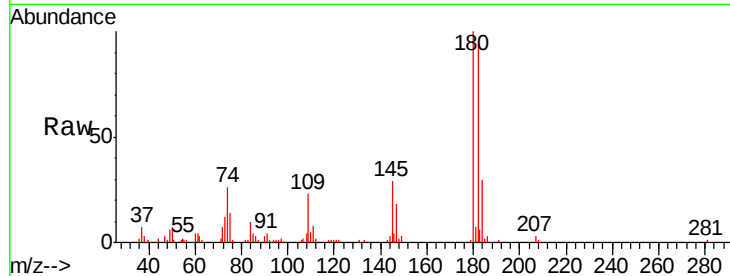
#89  
 1,2,4-Trichlorobenzene  
 Concen: 18.51 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. -0.00 min  
 Lab File: VN051836.D  
 Acq: 12 Oct 2018 16:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1012WBSD01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 114952 |       |       |
| 182     | 94.4  | 77.7   | 116.5 |       |
| 145     | 29.8  | 23.4   | 35.2  |       |

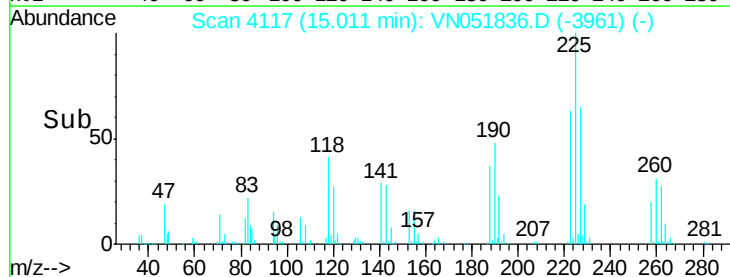
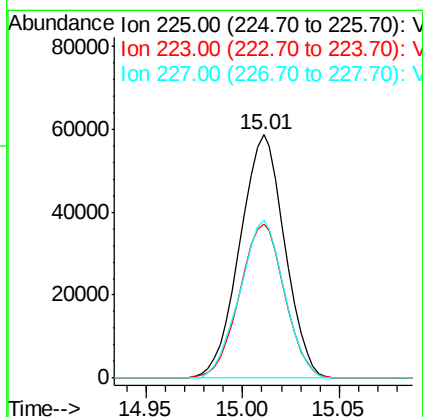
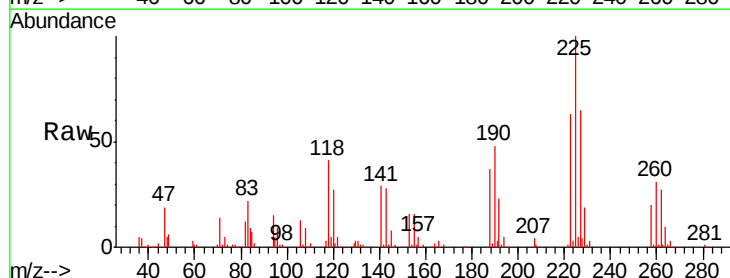
Manual Integrations  
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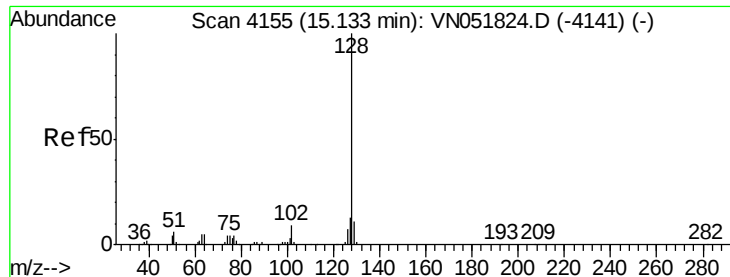
MMDadoda  
 10/15/2018 11:28:01 AM



#90  
 Hexachlorobutadiene  
 Concen: 18.17 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN051836.D  
 Acq: 12 Oct 2018 16:40

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 94592 |       |       |
| 223     | 63.5  | 0.0   | 117.0 |       |
| 227     | 64.1  | 0.0   | 127.0 |       |





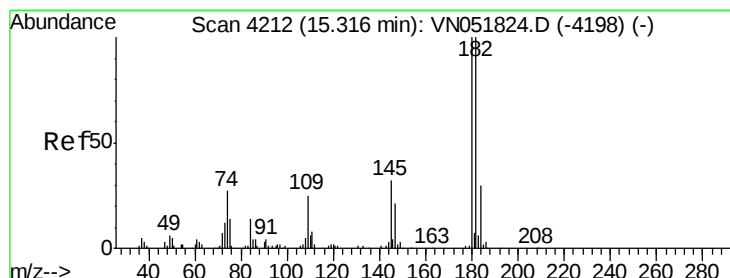
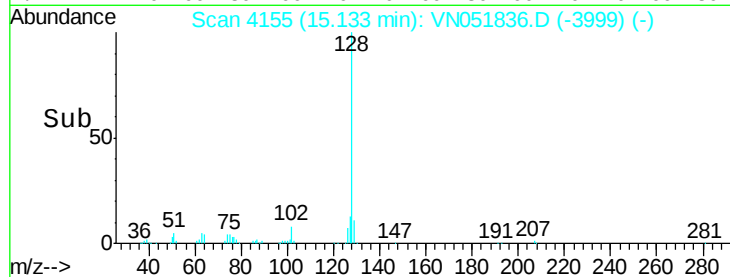
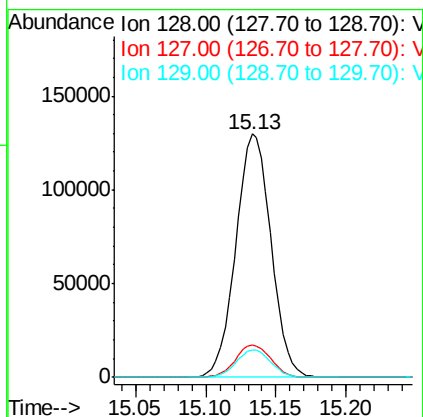
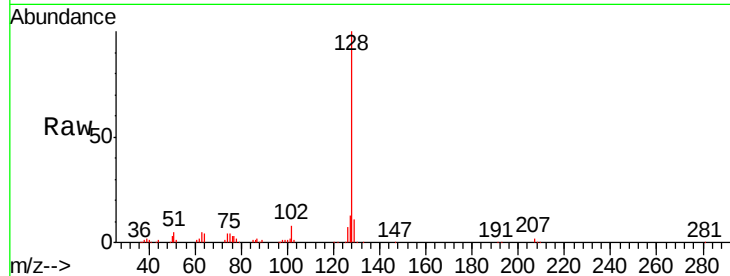
#91  
Naphthalene  
Concen: 18.81 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.5  | 10.1  | 15.1  |
| 129     | 11.0  | 8.4   | 12.6  |

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#92  
1,2,3-Trichlorobenzene  
Concen: 17.05 ug/l  
RT: 15.32 min Scan# 4212  
Delta R.T. 0.00 min  
Lab File: VN051836.D  
Acq: 12 Oct 2018 16:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.9  | 0.0   | 198.0 |
| 145     | 31.4  | 0.0   | 36.8  |

