

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN101218\  
 Data File : VN051842.D  
 Acq On : 12 Oct 2018 19:56  
 Operator : MD\SY  
 Sample : VN1012WBSD02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1012WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 10/15/2018 11:28:05 AM

Quant Time: Oct 13 02:19:35 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101118W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 12 09:51:20 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 826621   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1230679  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1089666  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 466325   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 379948   | 48.09 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.18% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 373439   | 48.80 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.60% |      |
| 50) Toluene-d8              | 10.09  | 98  | 1354534  | 47.50 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.00% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 430843   | 43.77 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 87.54% |      |

|                               |      |     |         |        |      |      |
|-------------------------------|------|-----|---------|--------|------|------|
| Target Compounds              |      |     |         | Qvalue |      |      |
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 95654   | 20.85  | ug/l | 97   |
| 3) Chloromethane              | 2.06 | 50  | 106002  | 19.07  | ug/l | 100  |
| 4) Vinyl Chloride             | 2.18 | 62  | 154286  | 18.51  | ug/l | 100  |
| 5) Bromomethane               | 2.57 | 94  | 144122  | 19.16  | ug/l | 98   |
| 6) Chloroethane               | 2.70 | 64  | 115279  | 18.83  | ug/l | 99   |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 236331  | 19.09  | ug/l | 100  |
| 8) Diethyl Ether              | 3.41 | 74  | 70105   | 20.54  | ug/l | 78   |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 135017  | 20.45  | ug/l | 98   |
| 10) Methyl Iodide             | 3.95 | 142 | 174996  | 20.12  | ug/l | 96   |
| 11) Tert butyl alcohol        | 4.79 | 59  | 41863   | 72.05  | ug/l | 96   |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 124287  | 20.95  | ug/l | 90   |
| 13) Acrolein                  | 3.61 | 56  | 45935   | 88.14  | ug/l | 99   |
| 14) Allyl chloride            | 4.33 | 41  | 139226  | 18.69  | ug/l | # 74 |
| 15) Acrylonitrile             | 5.00 | 53  | 171124  | 90.47  | ug/l | 99   |
| 16) Acetone                   | 3.82 | 43  | 117841  | 69.16  | ug/l | 100  |
| 17) Carbon Disulfide          | 4.05 | 76  | 291173  | 18.13  | ug/l | 100  |
| 18) Methyl Acetate            | 4.33 | 43  | 79561   | 17.08  | ug/l | # 88 |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 359569  | 19.25  | ug/l | 91   |
| 20) Methylene Chloride        | 4.55 | 84  | 143779  | 20.39  | ug/l | 89   |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96  | 143736  | 20.63  | ug/l | 85   |
| 22) Diisopropyl ether         | 5.96 | 45  | 322225  | 19.57  | ug/l | # 89 |
| 23) Vinyl Acetate             | 5.90 | 43  | 1092183 | 90.69  | ug/l | # 91 |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 226751  | 20.05  | ug/l | 97   |
| 25) 2-Butanone                | 6.84 | 43  | 180977  | 75.16  | ug/l | # 85 |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 195772  | 17.10  | ug/l | 99   |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 168064  | 20.93  | ug/l | 86   |
| 28) Bromochloromethane        | 7.20 | 49  | 88175   | 18.58  | ug/l | # 67 |
| 29) Tetrahydrofuran           | 7.22 | 42  | 119434  | 83.23  | ug/l | # 79 |
| 30) Chloroform                | 7.37 | 83  | 275476  | 20.37  | ug/l | 97   |
| 31) Cyclohexane               | 7.65 | 56  | 201067  | 19.84  | ug/l | # 81 |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 254787  | 20.07  | ug/l | 97   |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 191626  | 19.23  | ug/l | 96   |
| 37) Ethyl Acetate             | 6.93 | 43  | 86895   | 16.99  | ug/l | 95   |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 228419  | 19.78  | ug/l | 99   |

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 Sample : VN1012WBSD02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN1012WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 10/15/2018 11:28:05 AM

Quant Time: Oct 13 02:19:35 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101118W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 12 09:51:20 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 243748   | 19.91  | ug/l # | 88       |
| 40) Benzene                    | 8.04  | 78   | 576510   | 20.06  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.18  | 41   | 44197    | 17.92  | ug/l # | 84       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 186343   | 19.78  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 173695   | 16.64  | ug/l # | 95       |
| 44) Trichloroethene            | 8.84  | 130  | 177803   | 20.32  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 133649   | 19.78  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 99652    | 19.22  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 201271   | 19.42  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.20  | 41   | 77782    | 17.07  | ug/l # | 76       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 25766    | 322.85 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 444925   | 83.79  | ug/l   | 96       |
| 52) Toluene                    | 10.16 | 92   | 381351   | 19.76  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 175971   | 16.95  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 210156   | 18.44  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 138929   | 19.14  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 150500   | 17.60  | ug/l # | 88       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 214536   | 19.02  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 322227   | 86.55  | ug/l # | 88       |
| 59) 2-Hexanone                 | 10.75 | 43   | 274125   | 73.50  | ug/l   | 96       |
| 60) Dibromochloromethane       | 10.90 | 129  | 156946   | 18.21  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 141700   | 18.95  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 177965   | 21.29  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 435788   | 19.77  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 159767   | 19.02  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 725582   | 19.89  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.62 | 106  | 575647   | 39.06  | ug/l   | 96       |
| 69) o-Xylene                   | 11.95 | 106  | 289495   | 20.23  | ug/l   | 96       |
| 70) Styrene                    | 11.96 | 104  | 424582   | 19.23  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 92251    | 16.53  | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.25 | 105  | 760899   | 21.18  | ug/l   | 98       |
| 74) N-amyl acetate             | 12.07 | 43   | 125740   | 17.65  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 153306   | 19.42  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 137848m  | 23.73  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 186649   | 20.83  | ug/l   | 88       |
| 78) n-propylbenzene            | 12.59 | 91   | 802012   | 21.31  | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 476266   | 21.01  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 630949   | 21.55  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 30237    | 14.93  | ug/l   | 92       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 456730   | 20.97  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 584738   | 21.53  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 617943   | 21.20  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 745654   | 21.19  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 653043   | 21.11  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 312739   | 20.41  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 302680   | 20.38  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 476628   | 20.72  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.88 | 117  | 106617   | 18.99  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 314146   | 21.22  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 21586    | 18.58  | ug/l   | 98       |

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Sample : VN1012WBSD02  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 23 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD02

Manual Integrations  
APPROVED

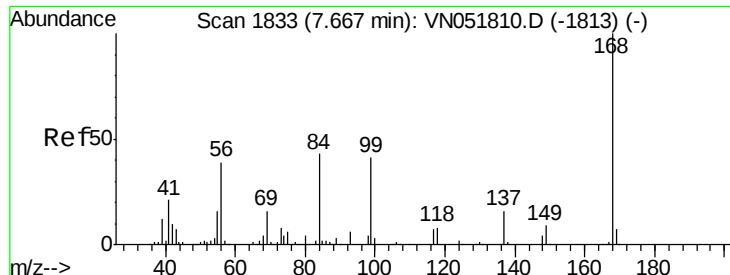
MMDadoda  
10/15/2018 11:28:05 AM

Quant Time: Oct 13 02:19:35 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101118W.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 12 09:51:20 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 119349   | 17.80 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 101453   | 21.20 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 229462   | 16.58 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 127291   | 18.67 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD02

Tgt Ion: 168 Resp: 826621

Ion Ratio Lower Upper

168 100

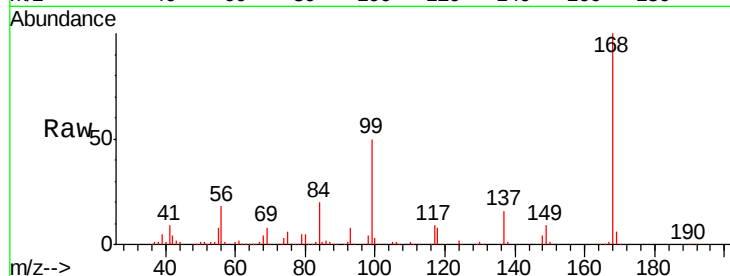
99 50.0 39.6 59.4

Manual Integrations

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10/15/2018 11:28:05 AM



Abundance Ion 167.90 (167.60 to 168.60): VN051810.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051810.D (-1813) (-)

7.67

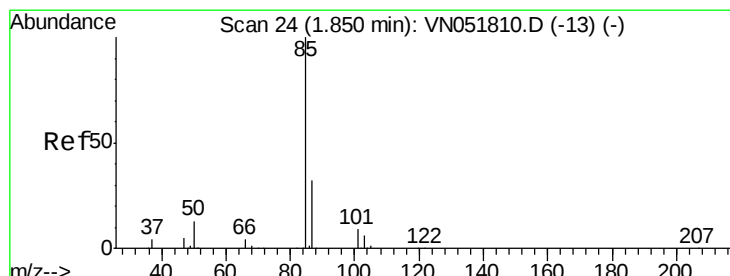
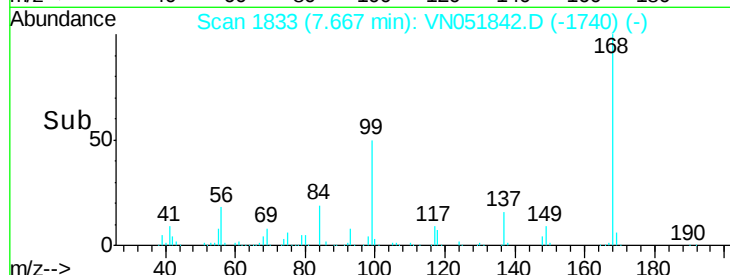
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.85 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051842.D

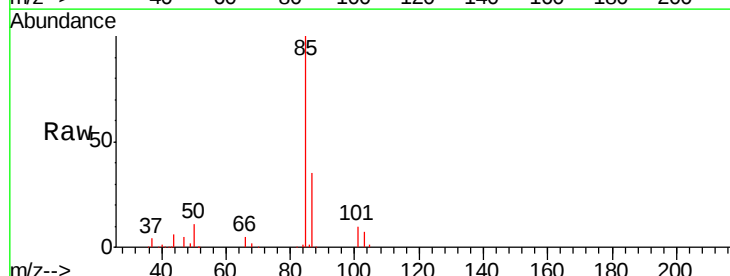
Acq: 12 Oct 2018 19:56

Tgt Ion: 85 Resp: 95654

Ion Ratio Lower Upper

85 100

87 34.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN051810.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN051810.D (-13) (-)

1.85

80000

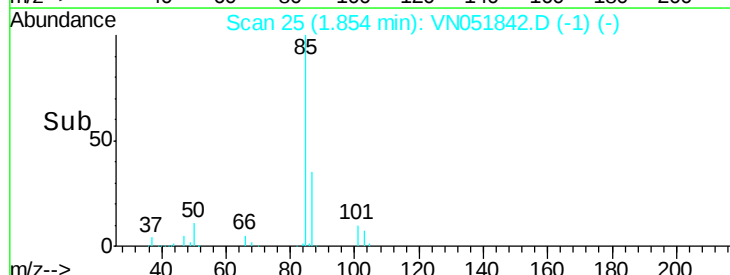
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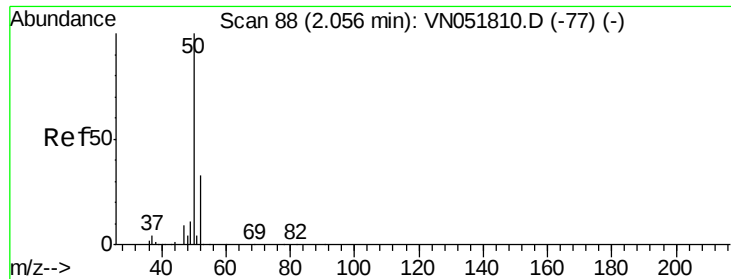
40000

20000

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Time-->





#3

Chloromethane

Concen: 19.07 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD02

Tgt Ion: 50 Resp: 106002

Ion Ratio Lower Upper

50 100

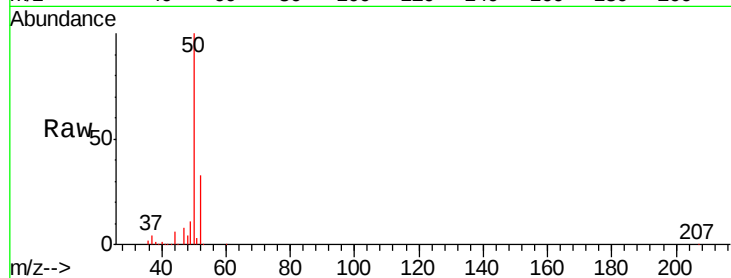
52 33.1 26.3 39.5

Manual Integrations

APPROVED

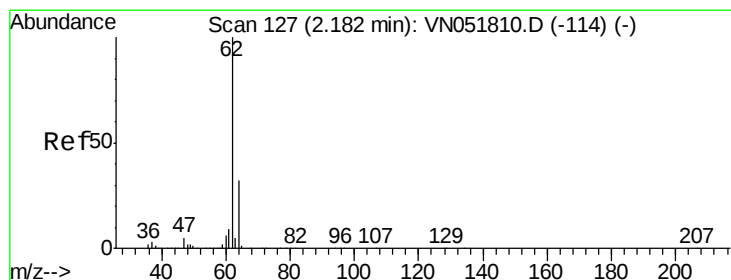
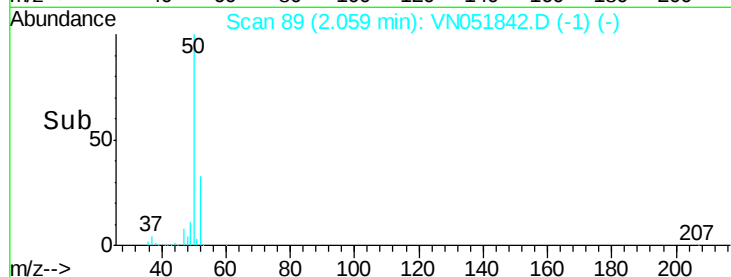
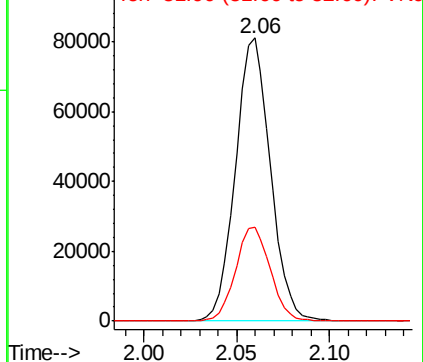
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10/15/2018 11:28:05 AM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 18.51 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051842.D

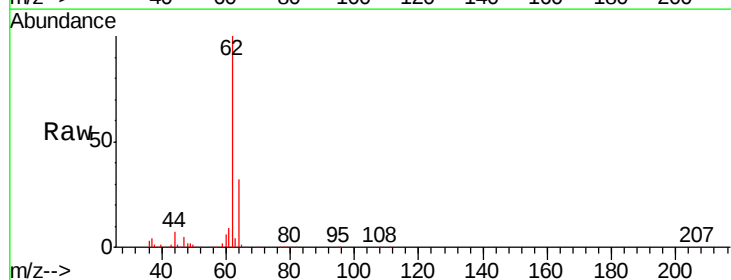
Acq: 12 Oct 2018 19:56

Tgt Ion: 62 Resp: 154286

Ion Ratio Lower Upper

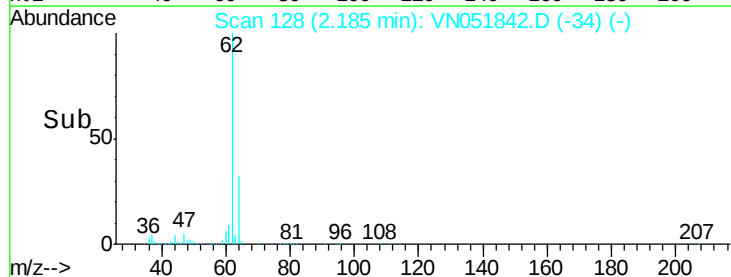
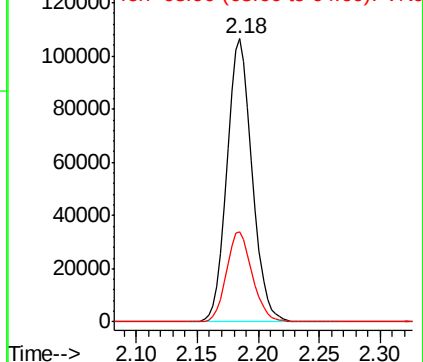
62 100

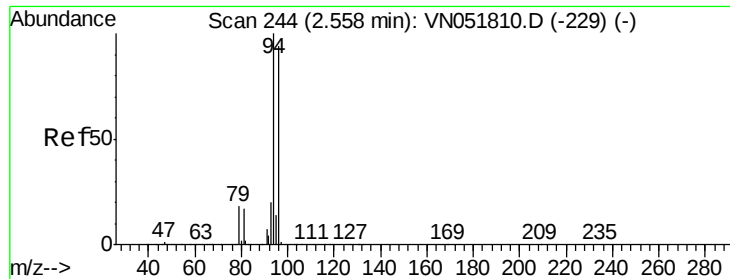
64 31.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 19.16 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD02

Tgt Ion: 94 Resp: 144122

Ion Ratio Lower Upper

94 100

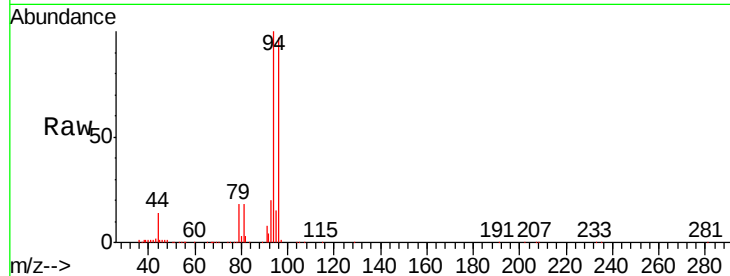
96 96.9 76.2 114.2

Manual Integrations

APPROVED

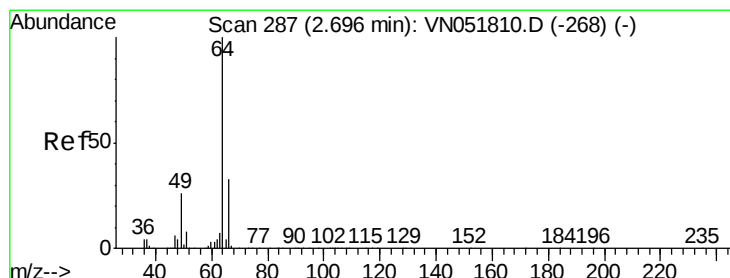
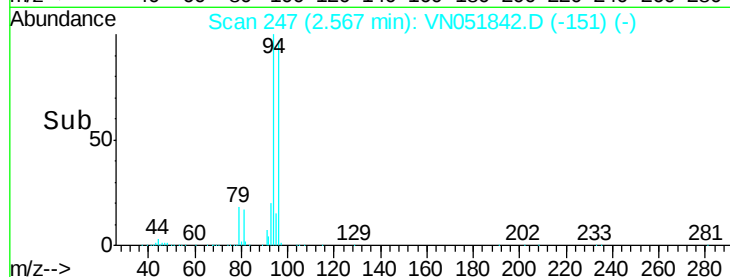
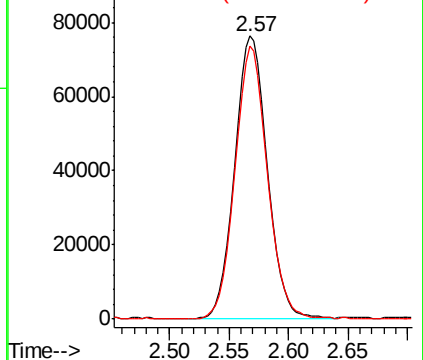
MMDadoda

10/15/2018 11:28:05 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.83 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.01 min

Lab File: VN051842.D

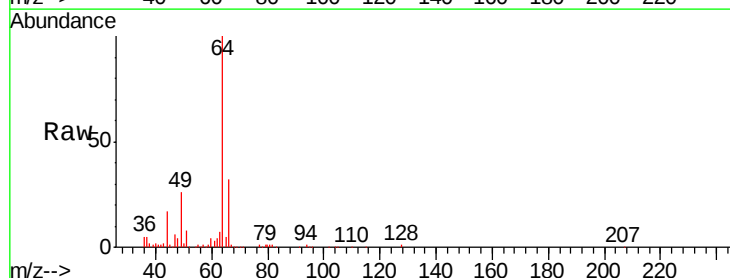
Acq: 12 Oct 2018 19:56

Tgt Ion: 64 Resp: 115279

Ion Ratio Lower Upper

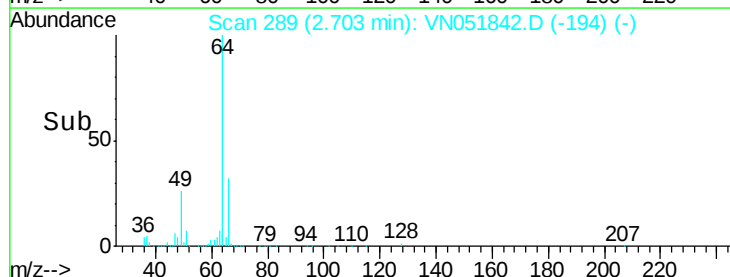
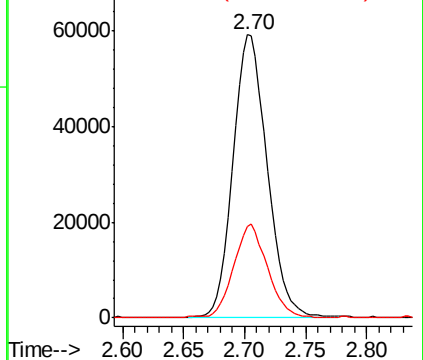
64 100

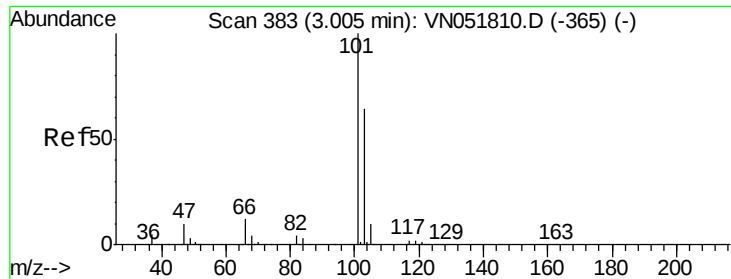
66 32.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

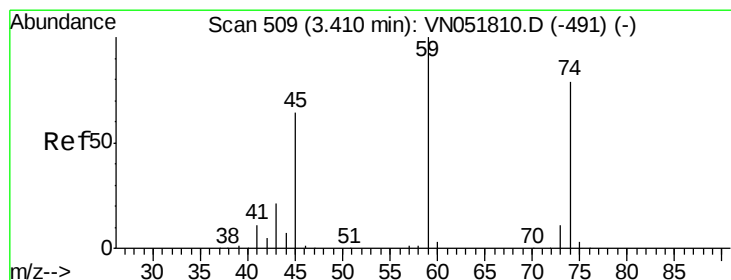
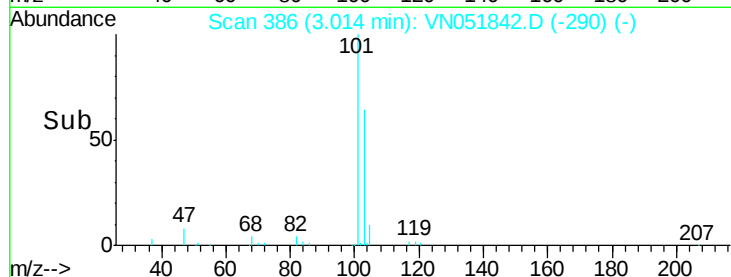
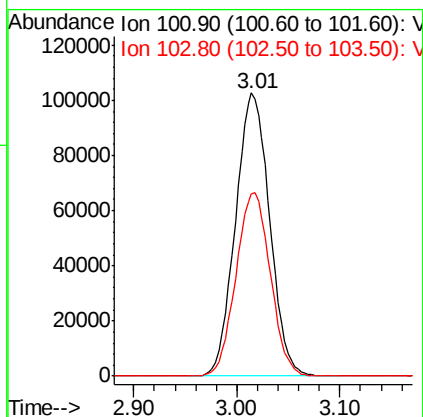
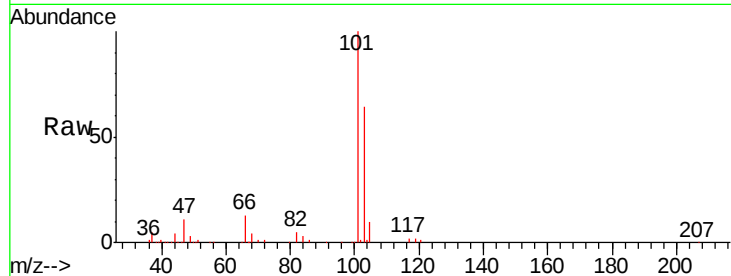
Trichlorofluoromethane  
Concen: 19.09 ug/l  
RT: 3.01 min Scan# 386  
Delta R.T. 0.01 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.2  | 51.6  | 77.4  |

Manual Integrations  
APPROVED

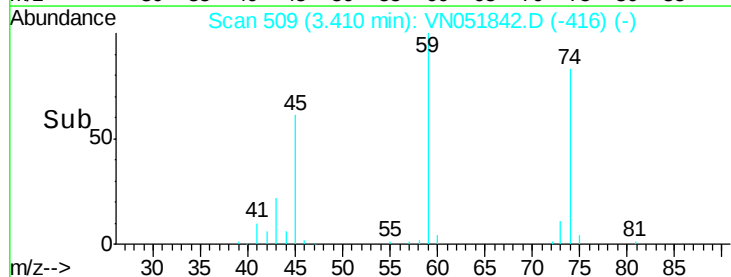
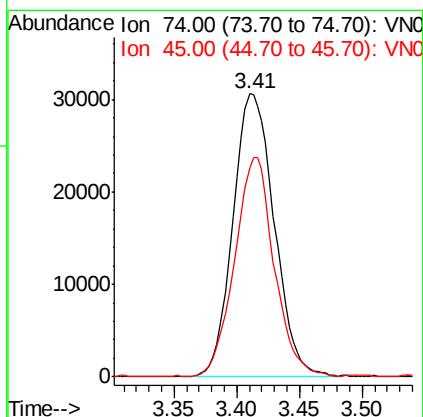
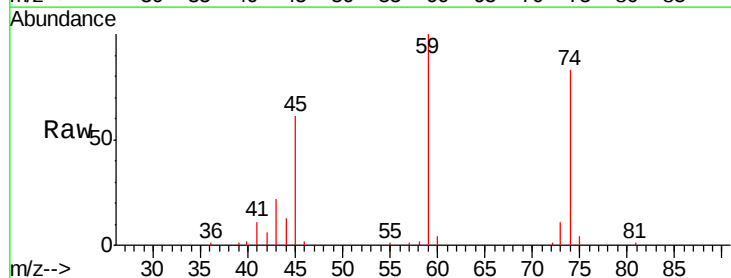
MMDadoda  
10/15/2018 11:28:05 AM

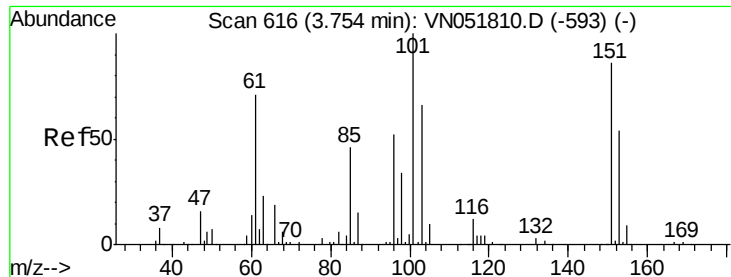


#8

Diethyl Ether  
Concen: 20.54 ug/l  
RT: 3.41 min Scan# 509  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 74.4  | 48.2  | 144.6 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.45 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

Instrument :

MSVOA\_N

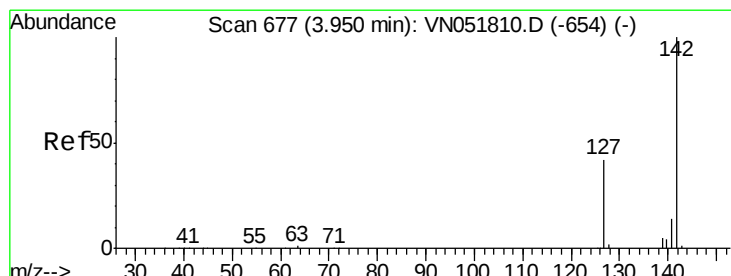
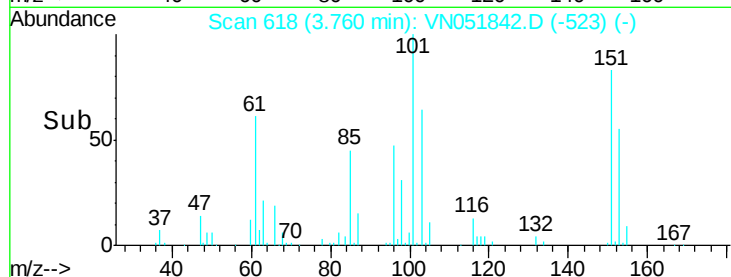
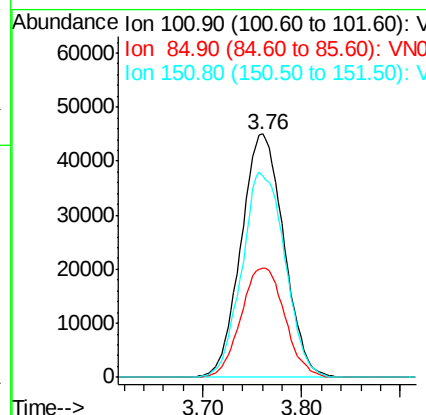
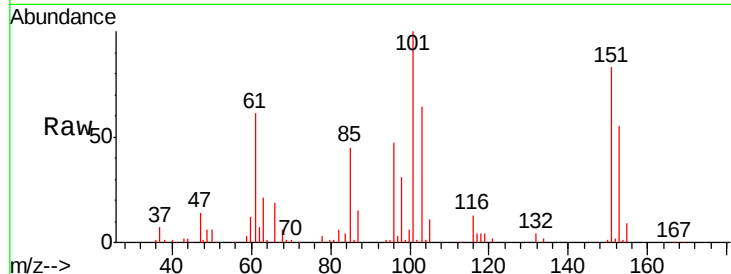
ClientSampleId :

VN1012WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 101   | Resp: | 135017 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 45.8  | 33.7  | 50.5   |
| 151       | 84.9  | 67.4  | 101.2  |

Manual Integrations  
APPROVED

MMDadoda  
10/15/2018 11:28:05 AM



#10

Methyl Iodide

Concen: 20.12 ug/l

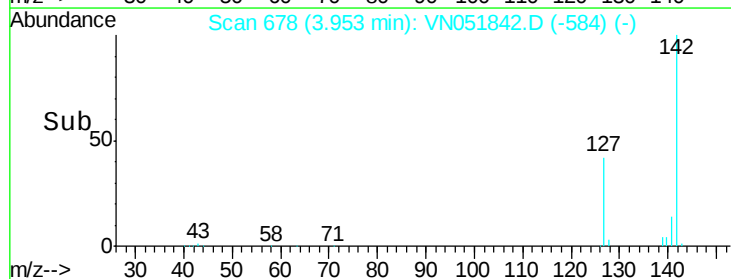
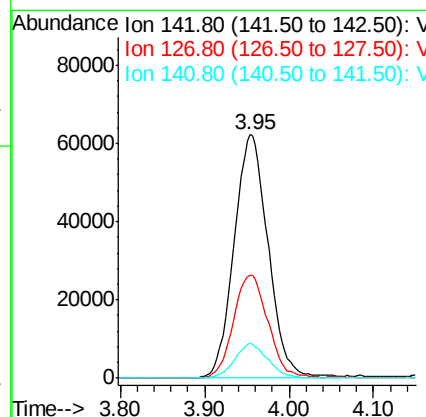
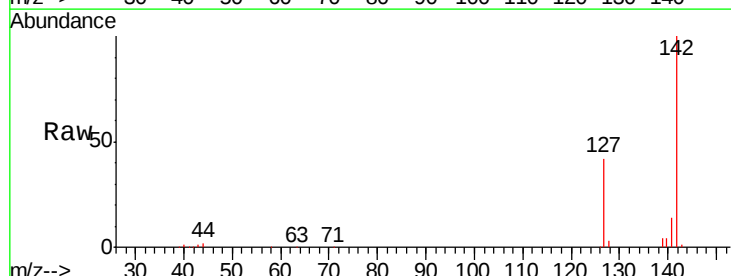
RT: 3.95 min Scan# 678

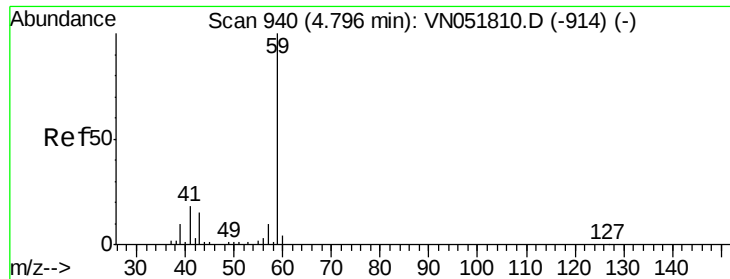
Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 174996 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 43.0  | 31.7  | 47.5   |
| 141       | 13.8  | 11.4  | 17.0   |





#11

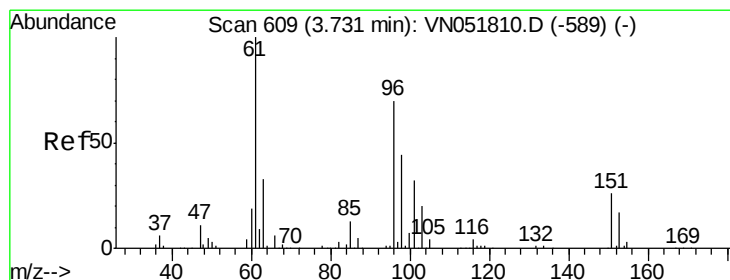
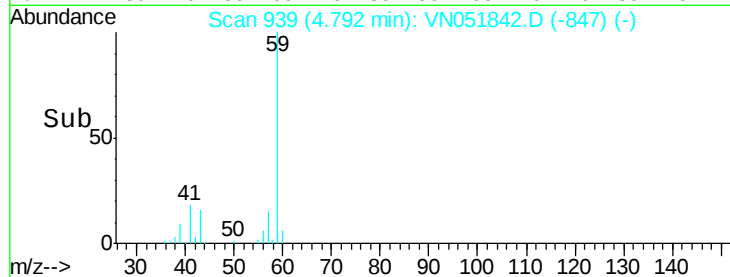
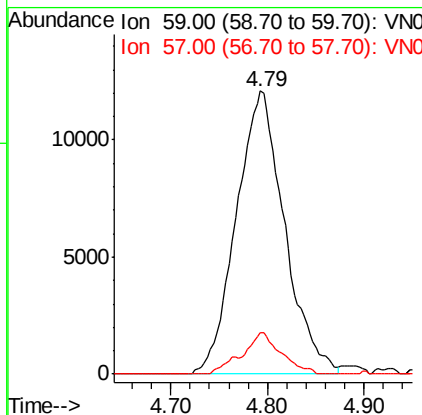
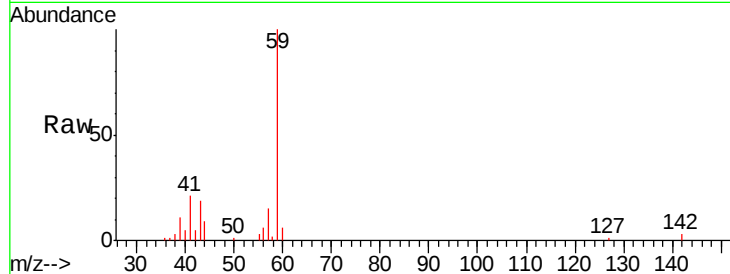
Tert butyl alcohol  
Concen: 72.05 ug/l  
RT: 4.79 min Scan# 939  
Delta R.T. -0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 11.9  | 8.3   | 12.5  |

Manual Integrations  
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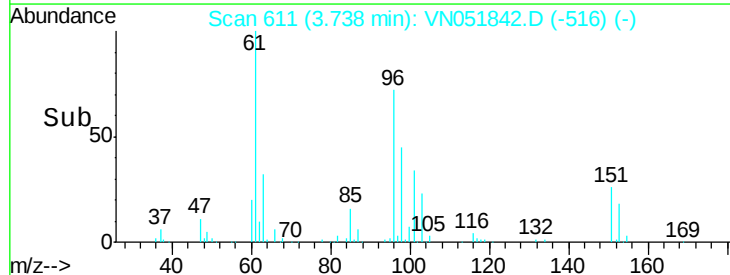
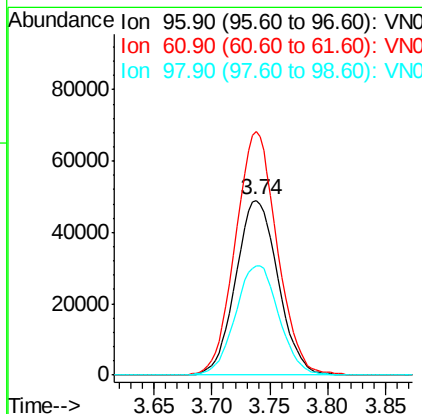
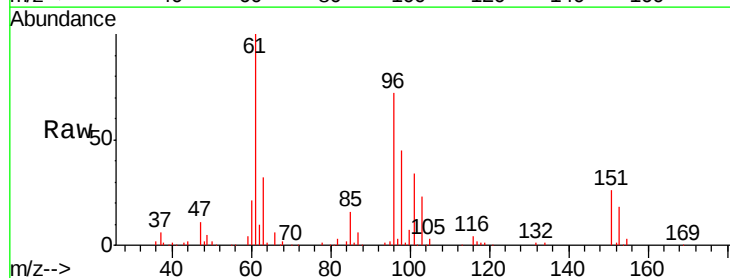
MMDadoda  
10/15/2018 11:28:05 AM

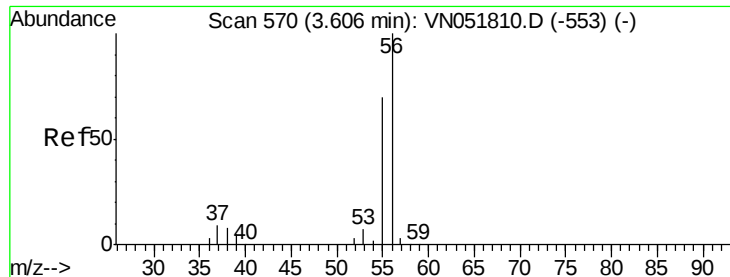


#12

1,1-Dichloroethene  
Concen: 20.95 ug/l  
RT: 3.74 min Scan# 611  
Delta R.T. 0.01 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 139.1 | 124.9 | 187.3 |
| 98      | 62.3  | 51.1  | 76.7  |





#13

Acrolein

Concen: 88.14 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD02

Tgt Ion: 56 Resp: 45935

Ion Ratio Lower Upper

56 100

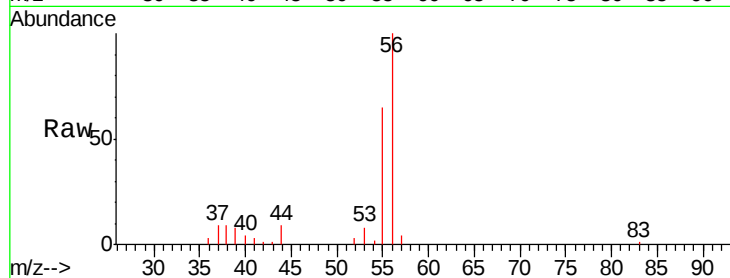
55 72.7 57.7 86.5

Manual Integrations

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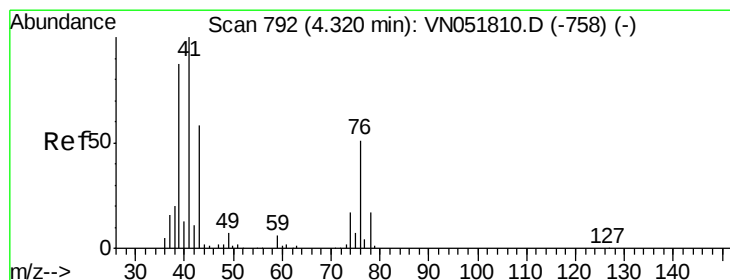
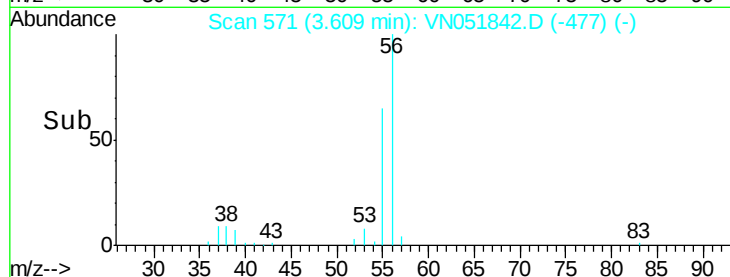
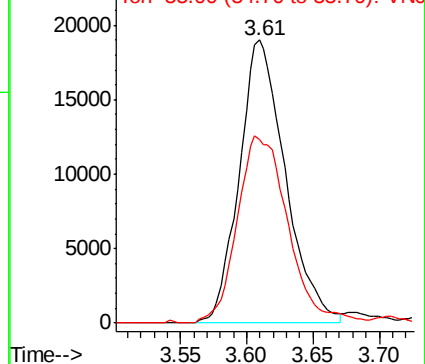
MMDadoda

10/15/2018 11:28:05 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.69 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.01 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

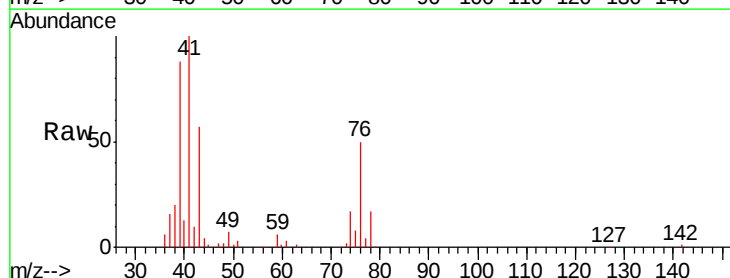
Tgt Ion: 41 Resp: 139226

Ion Ratio Lower Upper

41 100

39 84.7 50.2 75.2#

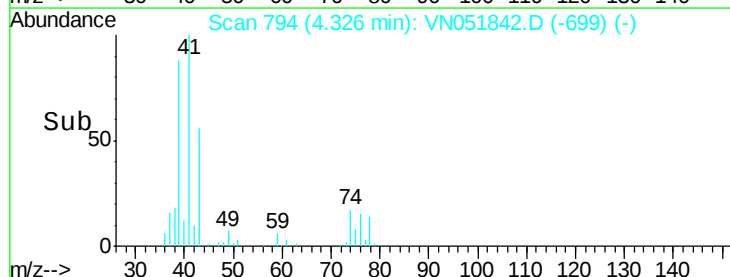
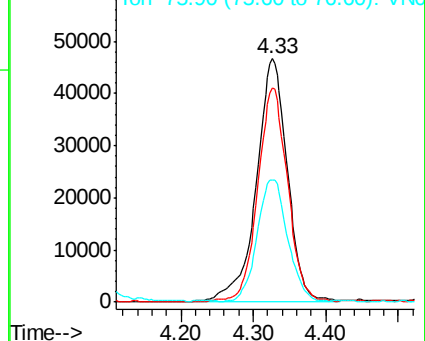
76 49.8 29.8 44.8#

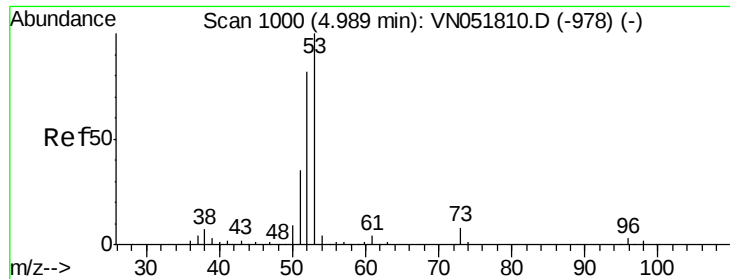


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 90.47 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

Instrument :

MSVOA\_N

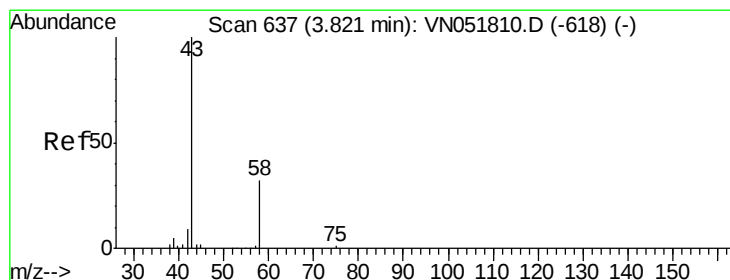
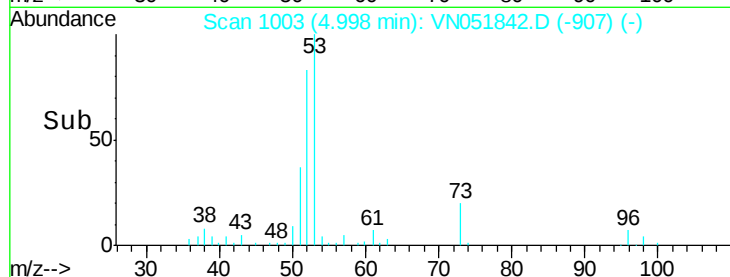
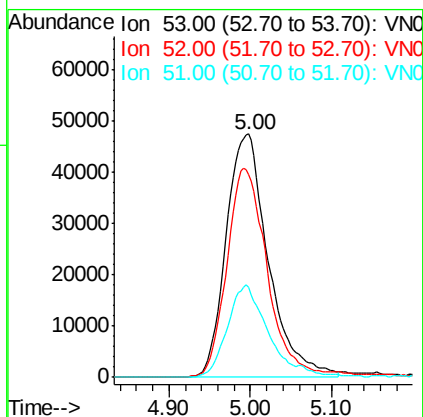
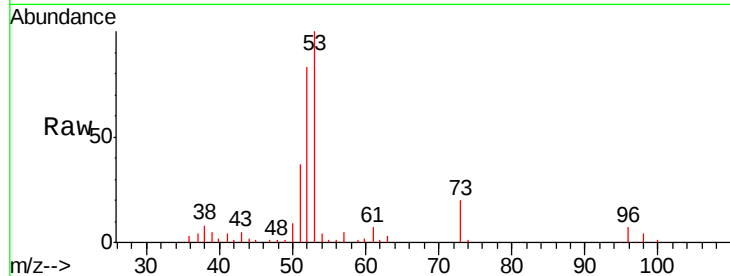
ClientSampleId :

VN1012WBSD02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 171124 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 81.8  | 65.9  | 98.9   |
| 51       | 36.8  | 28.6  | 43.0   |

Manual Integrations  
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10/15/2018 11:28:05 AM



#16

Acetone

Concen: 69.16 ug/l

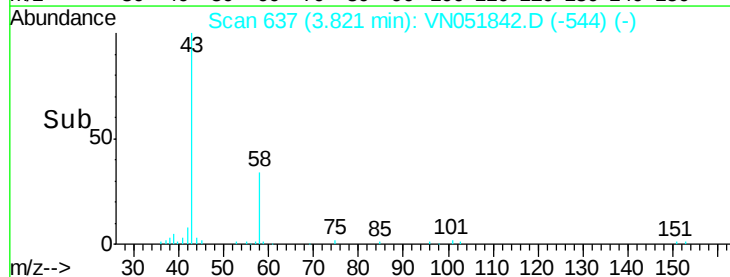
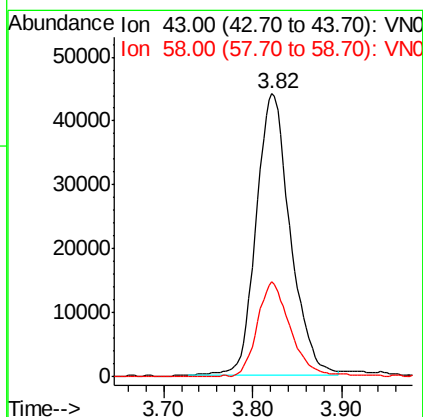
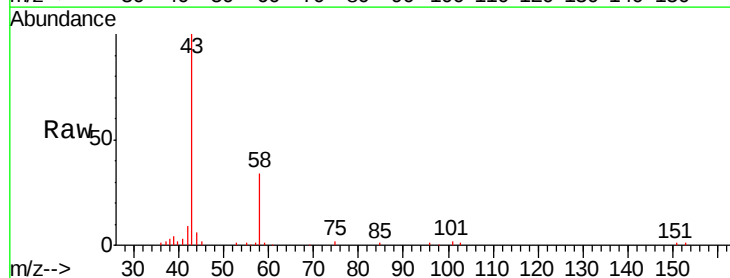
RT: 3.82 min Scan# 637

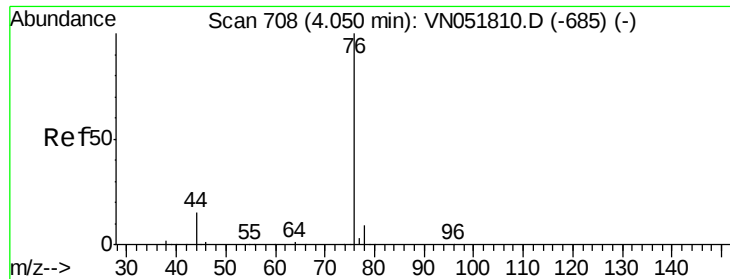
Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 117841 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 34.0  | 27.2  | 40.8   |





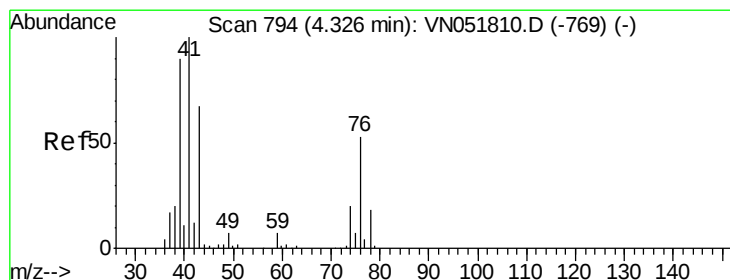
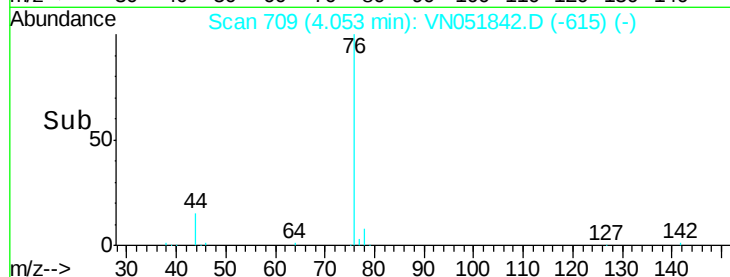
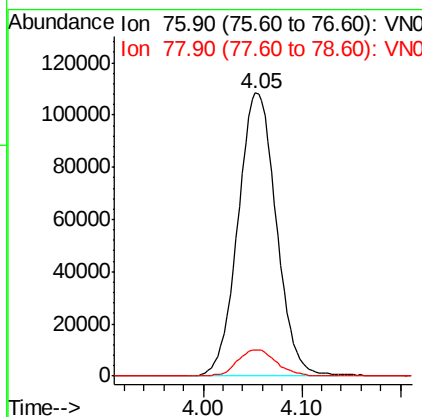
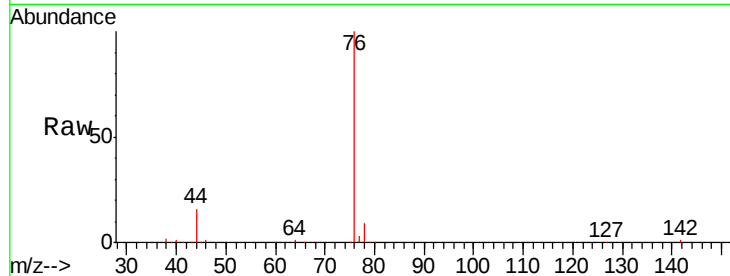
#17  
Carbon Disulfide  
Concen: 18.13 ug/l  
RT: 4.05 min Scan# 709  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.2   | 7.3   | 10.9  |

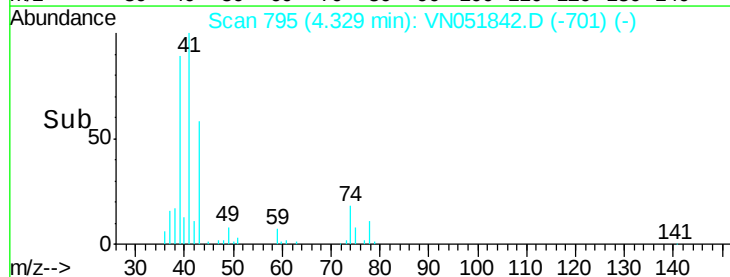
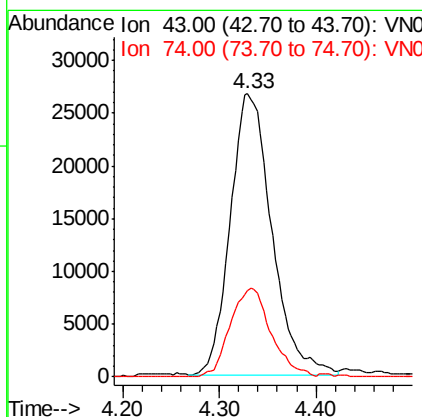
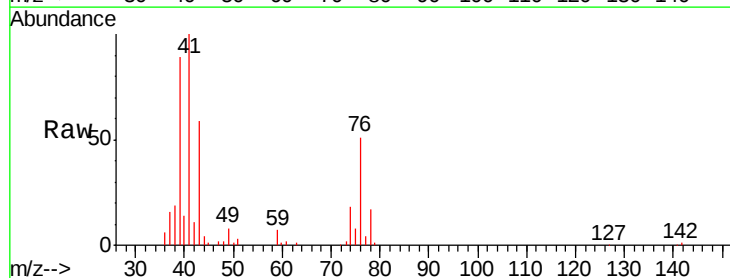
Manual Integrations  
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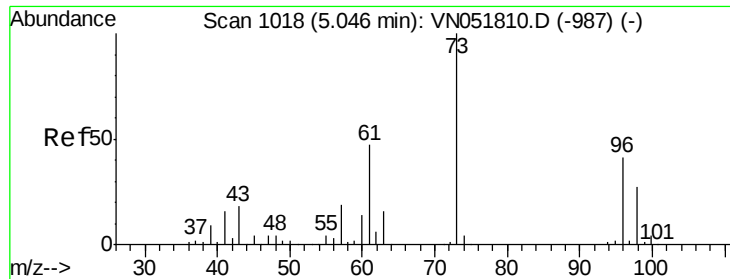
MMDadoda  
10/15/2018 11:28:05 AM



#18  
Methyl Acetate  
Concen: 17.08 ug/l  
RT: 4.33 min Scan# 795  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 31.0  | 19.8  | 29.8# |





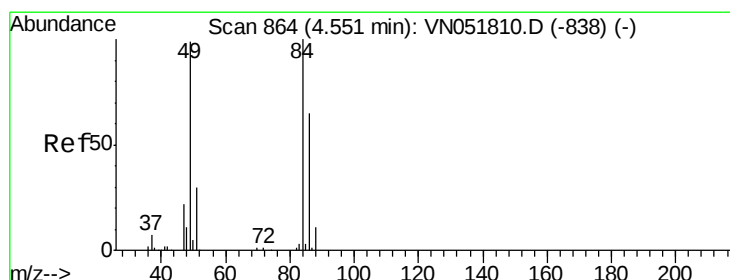
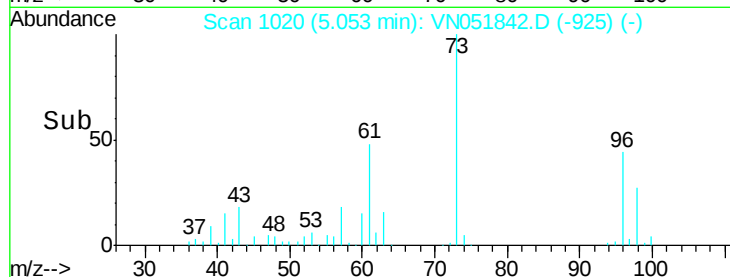
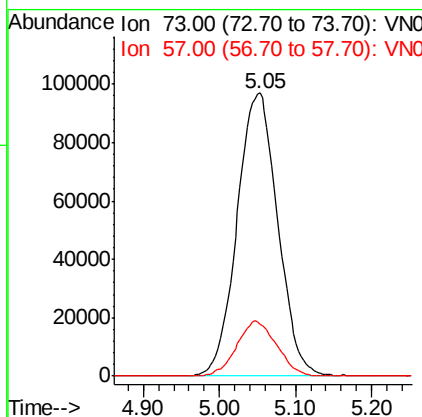
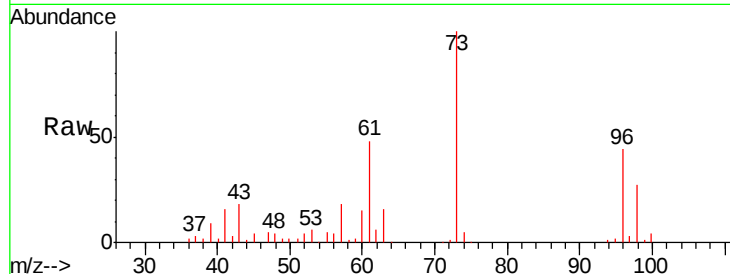
#19  
Methyl tert-butyl Ether  
Concen: 19.25 ug/l  
RT: 5.05 min Scan# 1020  
Delta R.T. 0.01 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD02

Tgt Ion: 73 Resp: 359569  
Ion Ratio Lower Upper  
73 100  
57 18.2 17.8 26.8

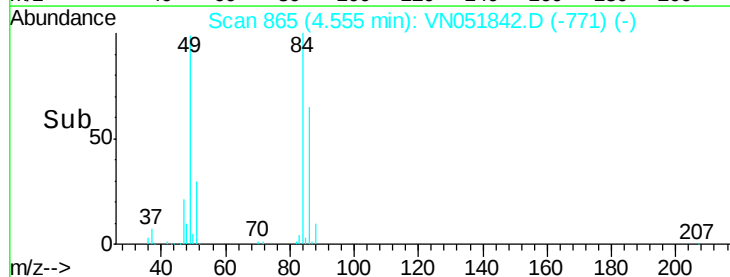
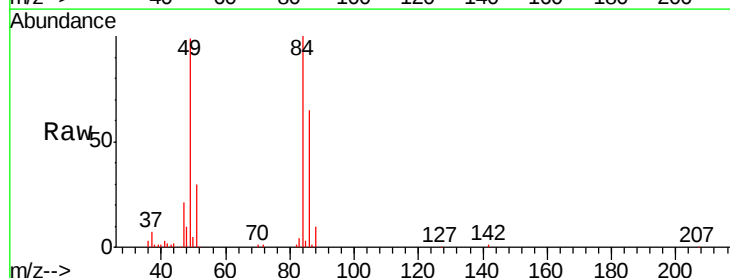
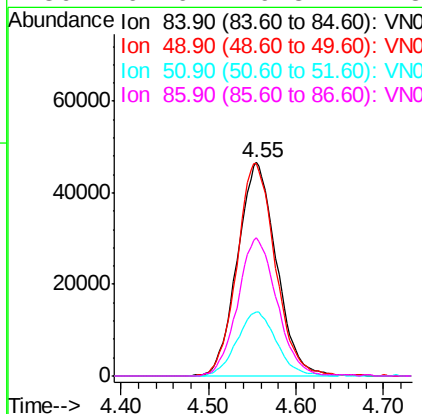
Manual Integrations  
APPROVED

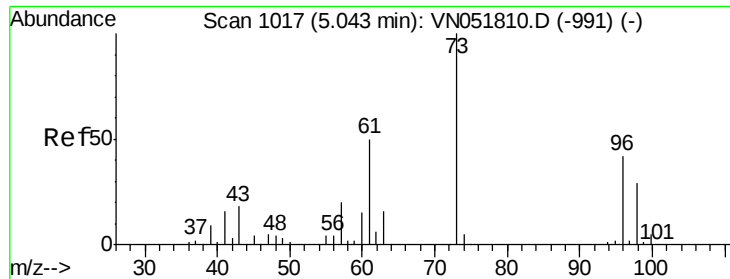
MMDadoda  
10/15/2018 11:28:05 AM



#20  
Methylene Chloride  
Concen: 20.39 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Tgt Ion: 84 Resp: 143779  
Ion Ratio Lower Upper  
84 100  
49 99.4 93.2 139.8  
51 30.0 29.0 43.6  
86 64.6 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 20.63 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD02

Tgt Ion: 96 Resp: 143736

Ion Ratio Lower Upper

96 100

61 111.0 107.4 161.0

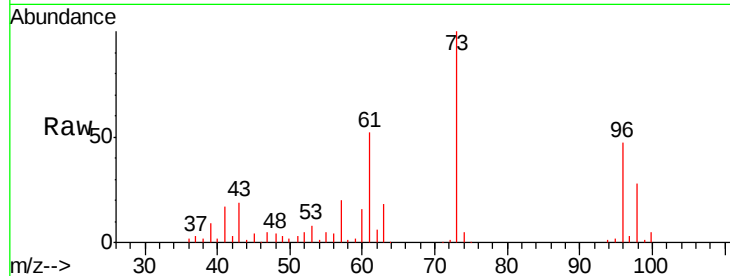
98 59.4 50.7 76.1

Manual Integrations

APPROVED

MMDadoda

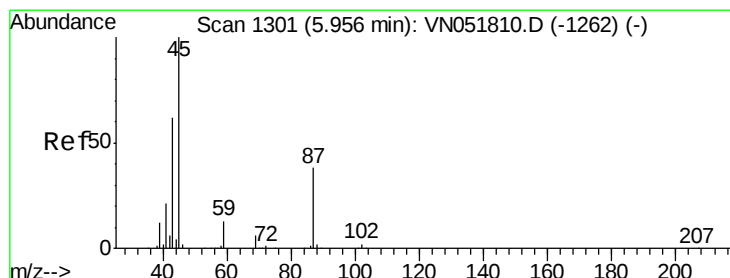
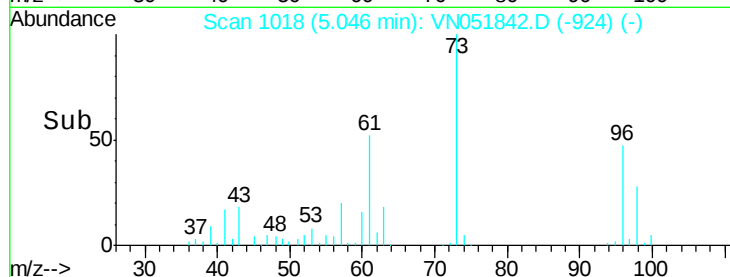
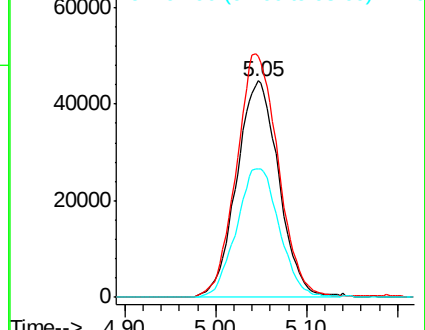
10/15/2018 11:28:05 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.57 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

Tgt Ion: 45 Resp: 322225

Ion Ratio Lower Upper

45 100

43 64.3 45.9 68.9

87 37.7 22.7 34.1#

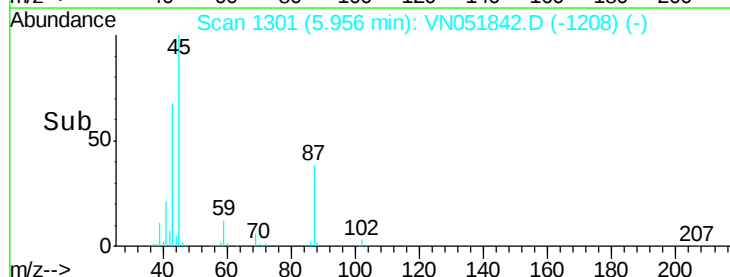
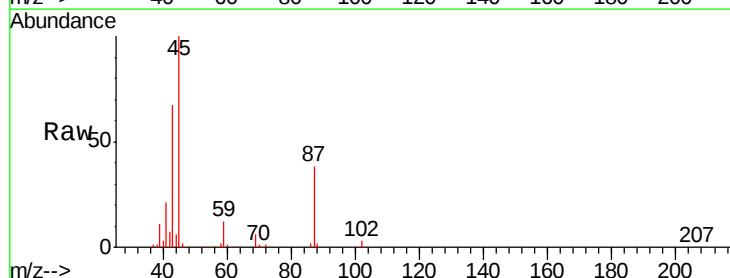
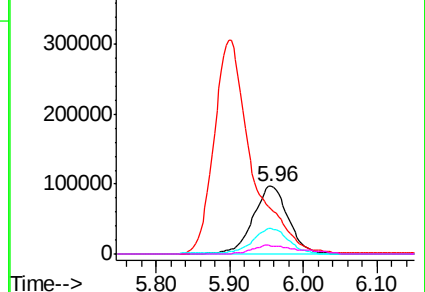
59 12.0 9.3 13.9

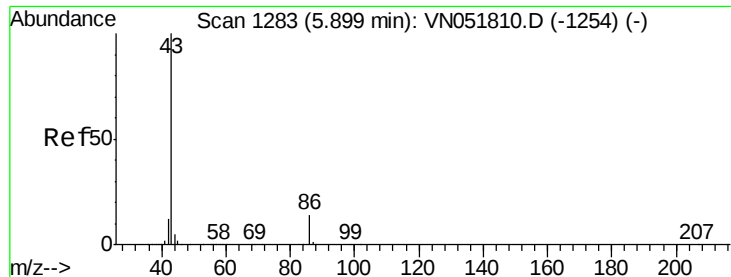
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 90.69 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD02

Tgt Ion: 43 Resp: 1092183

Ion Ratio Lower Upper

43 100

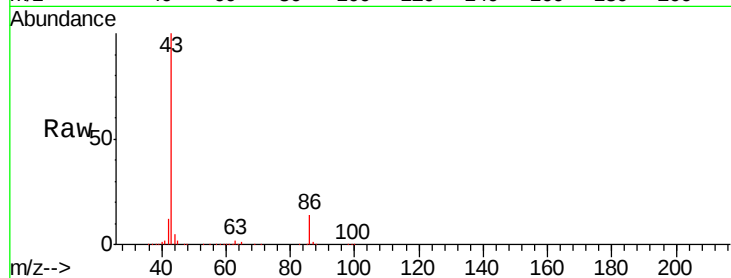
86 14.5 8.7 13.1#

Manual Integrations

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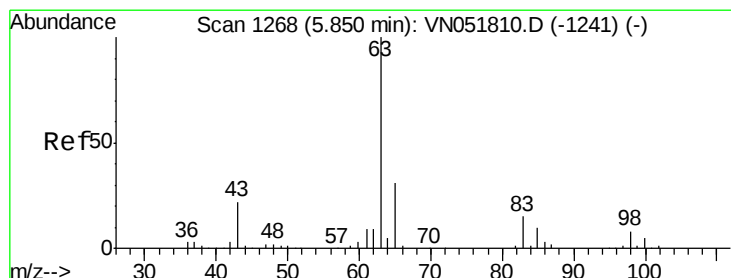
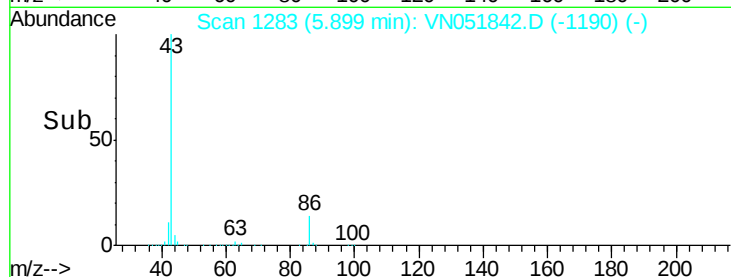
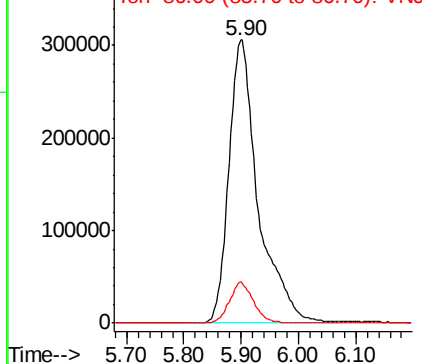
MMDadoda

10/15/2018 11:28:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.05 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

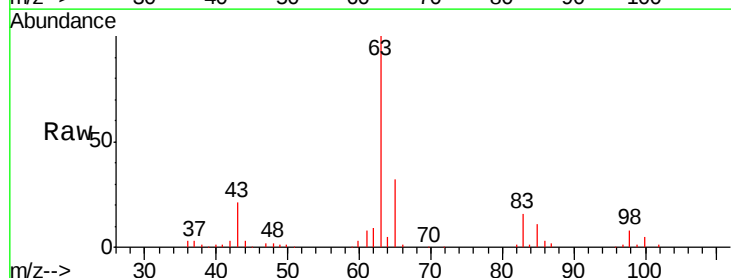
Tgt Ion: 63 Resp: 226751

Ion Ratio Lower Upper

63 100

98 7.6 3.3 9.8

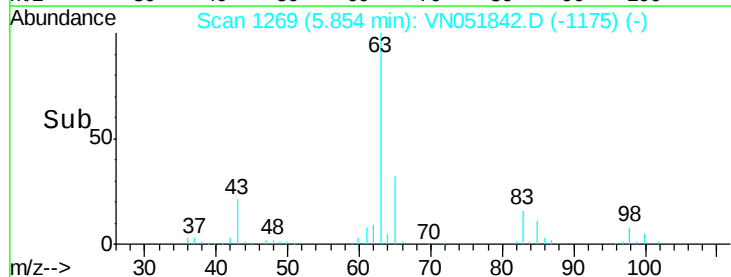
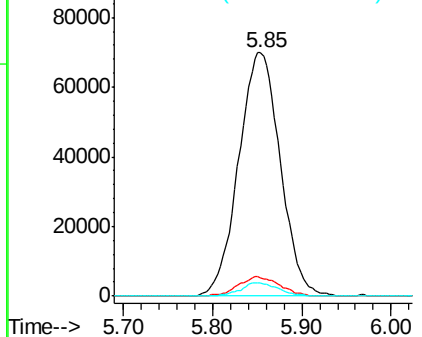
100 5.4 2.1 6.5

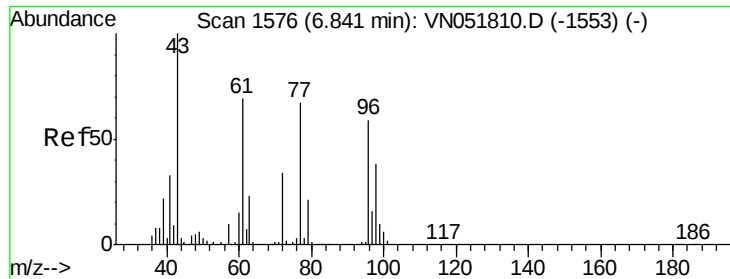


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





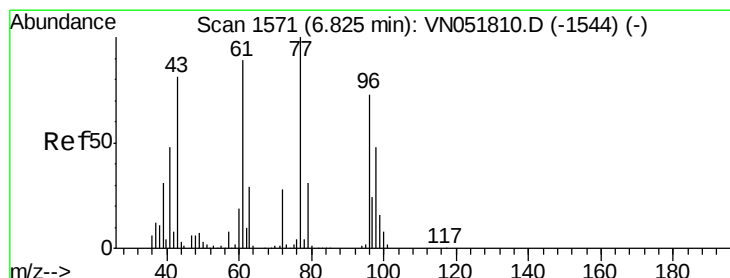
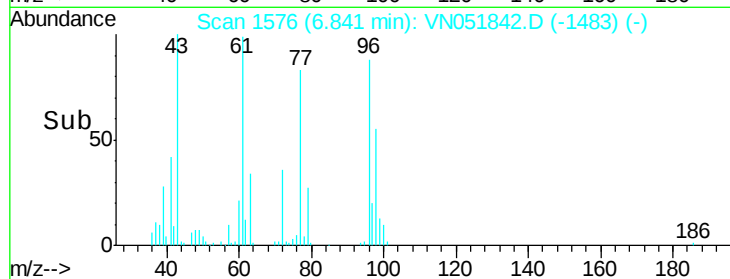
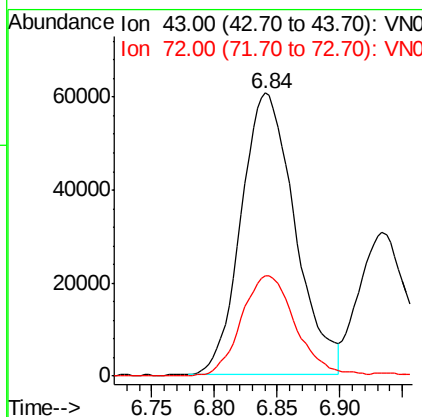
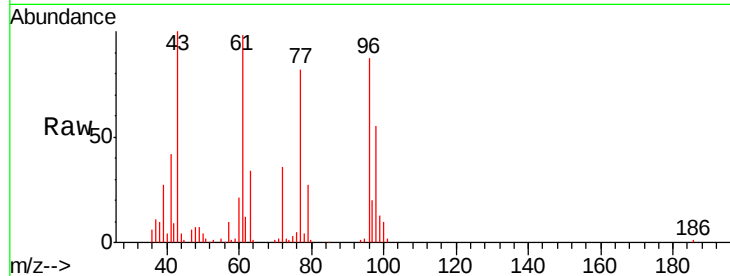
#25  
2-Butanone  
Concen: 75.16 ug/l  
RT: 6.84 min Scan# 1576  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD02

Tgt Ion: 43 Resp: 180977  
Ion Ratio Lower Upper  
43 100  
72 35.7 22.3 33.5#

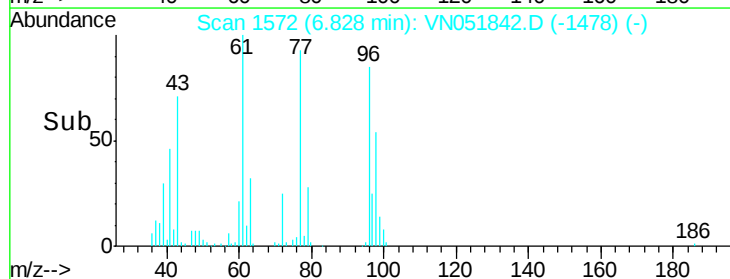
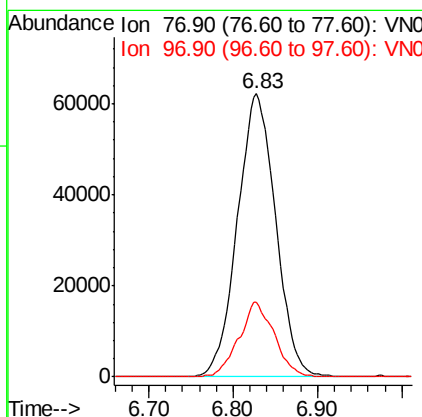
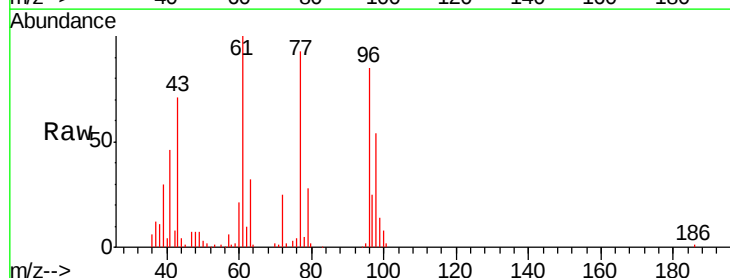
Manual Integrations  
APPROVED

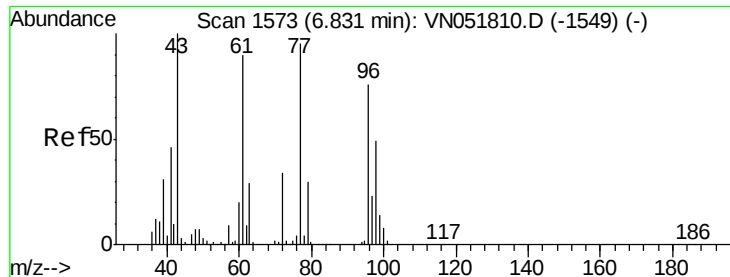
MMDadoda  
10/15/2018 11:28:05 AM



#26  
2,2-Dichloropropane  
Concen: 17.10 ug/l  
RT: 6.83 min Scan# 1572  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Tgt Ion: 77 Resp: 195772  
Ion Ratio Lower Upper  
77 100  
97 24.4 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.93 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

Instrument :

MSVOA\_N

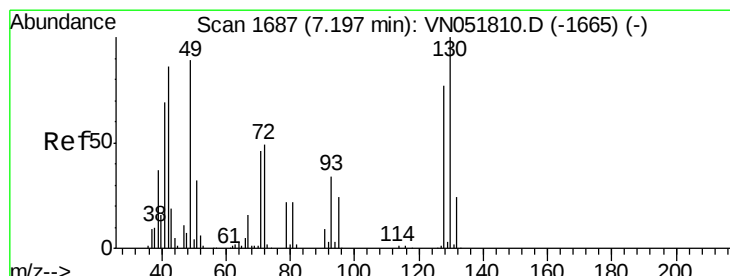
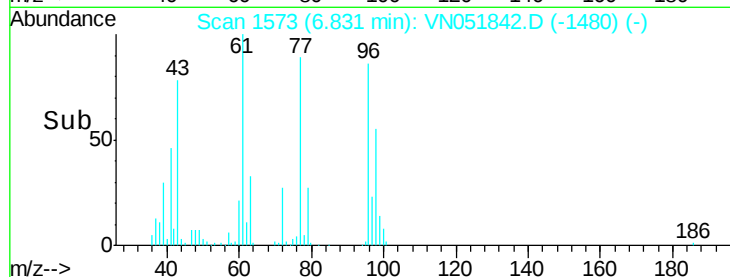
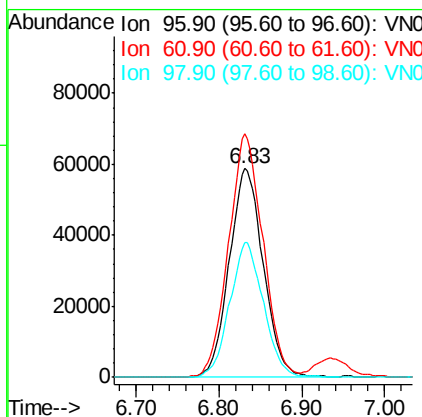
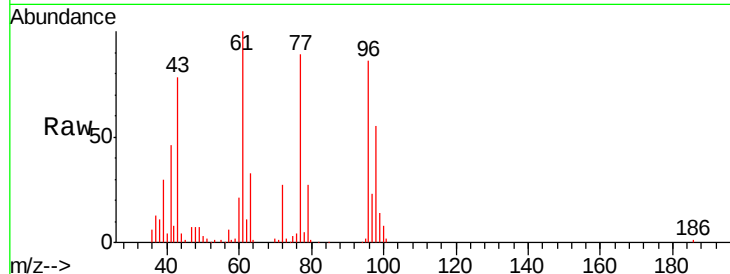
ClientSampleId :

VN1012WBSD02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 168064 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 117.7 | 0.0   | 283.4  |
| 98       | 63.8  | 0.0   | 129.8  |

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#28

Bromochloromethane

Concen: 18.58 ug/l

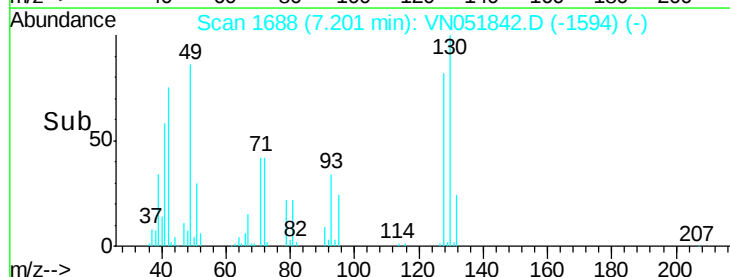
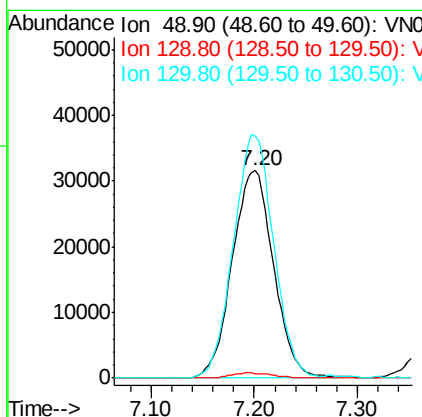
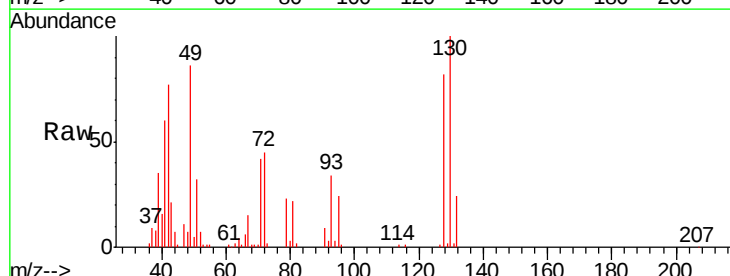
RT: 7.20 min Scan# 1688

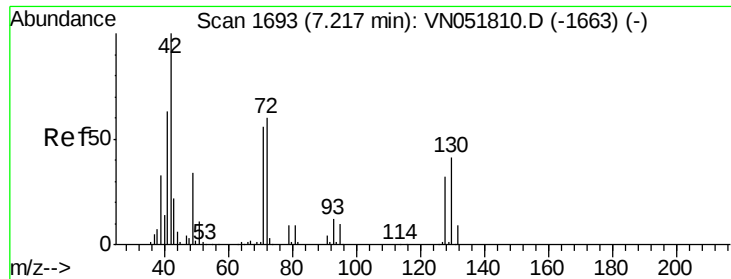
Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 88175  |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 2.4   | 0.0   | 4.2    |
| 130      | 114.2 | 67.1  | 100.7# |





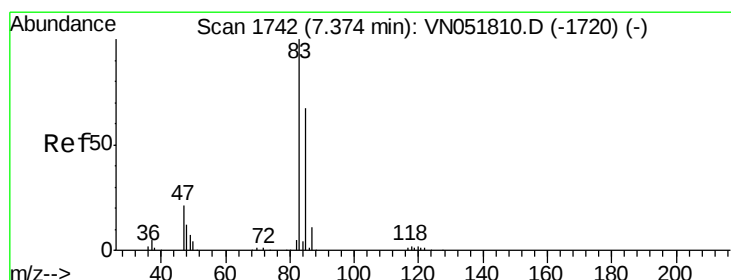
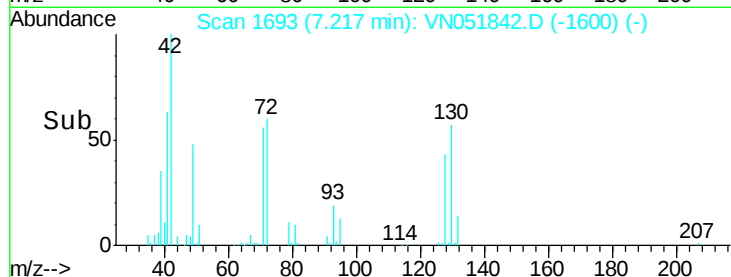
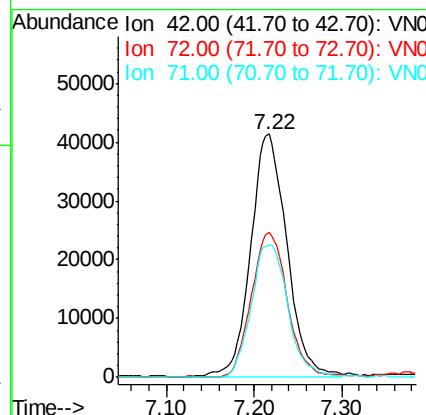
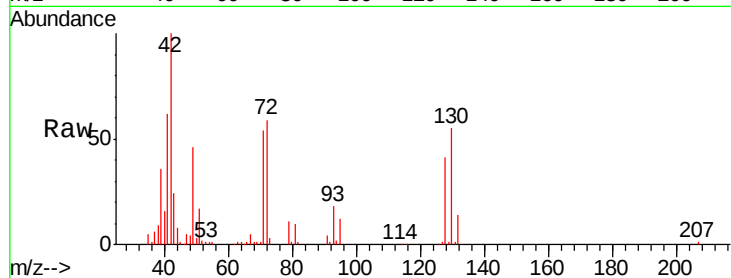
#29  
Tetrahydrofuran  
Concen: 83.23 ug/l  
RT: 7.22 min Scan# 1693  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 58.7  | 35.5  | 53.3# |
| 71      | 55.2  | 33.7  | 50.5# |

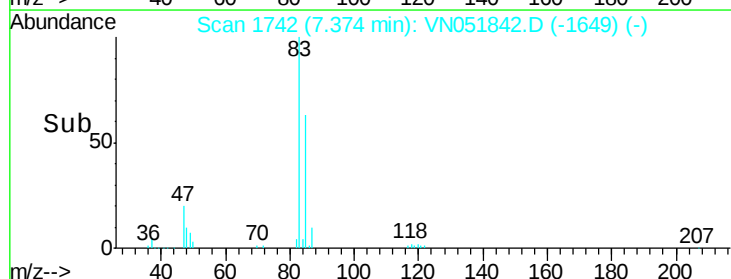
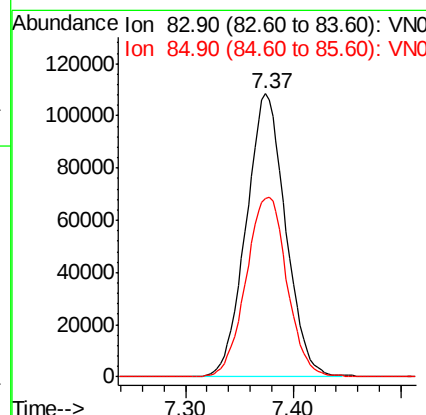
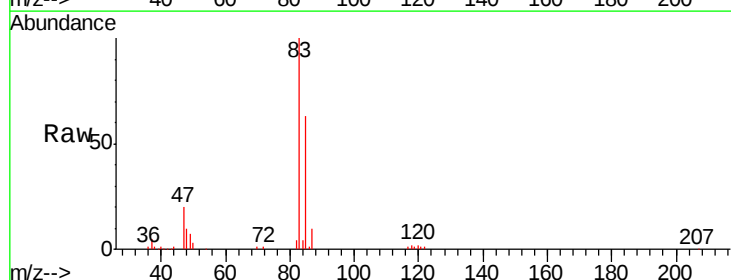
Manual Integrations  
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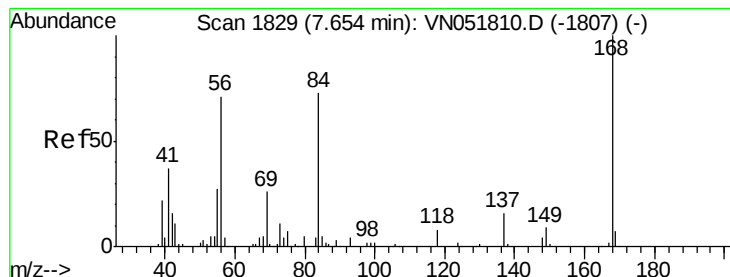
MMDadoda  
10/15/2018 11:28:05 AM



#30  
Chloroform  
Concen: 20.37 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.3  | 52.2  | 78.4  |





#31

Cyclohexane

Concen: 19.84 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD02

Tgt Ion: 56 Resp: 201067  
Ion Ratio Lower Upper

56 100

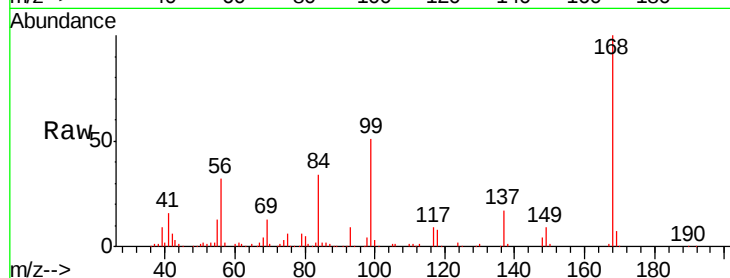
69 41.0 26.2 39.4#

84 104.1 68.3 102.5#

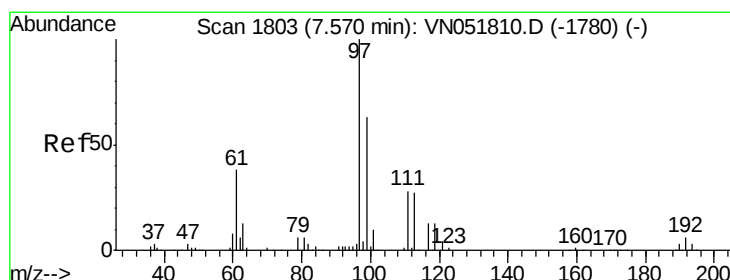
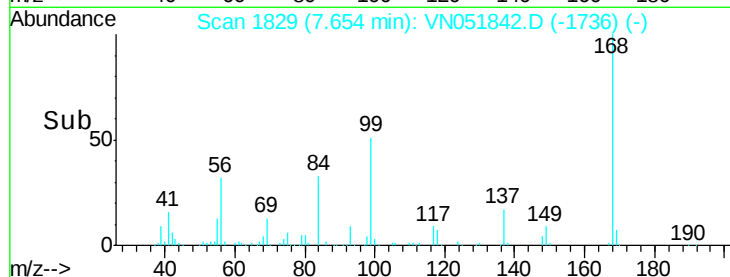
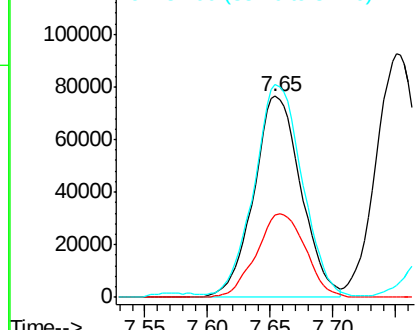
Manual Integrations  
APPROVED

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10/15/2018 11:28:05 AM



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



#32

1,1,1-Trichloroethane

Concen: 20.07 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051842.D

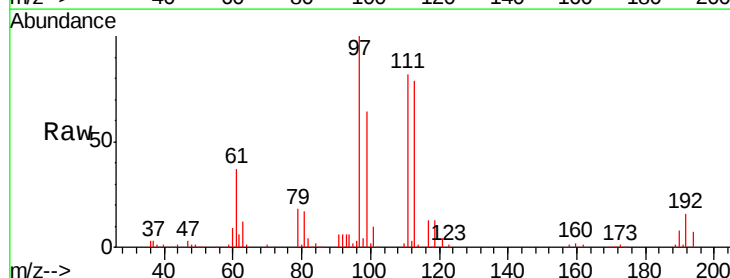
Acq: 12 Oct 2018 19:56

Tgt Ion: 97 Resp: 254787  
Ion Ratio Lower Upper

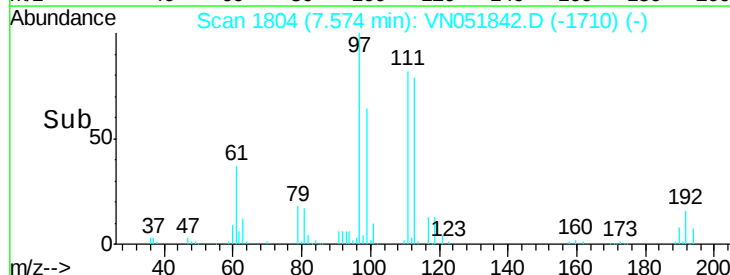
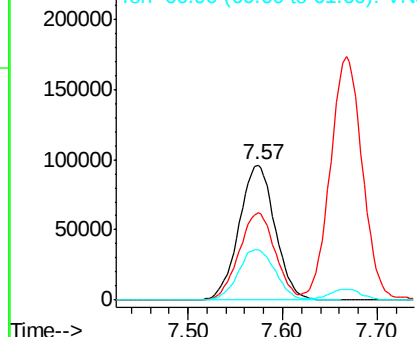
97 100

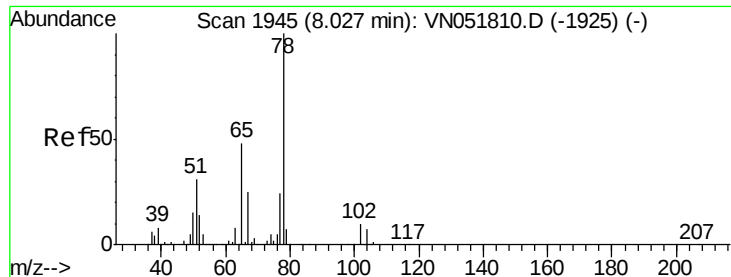
99 64.9 51.8 77.6

61 38.5 34.9 52.3



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





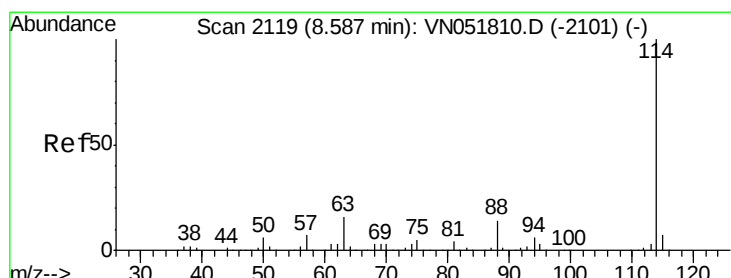
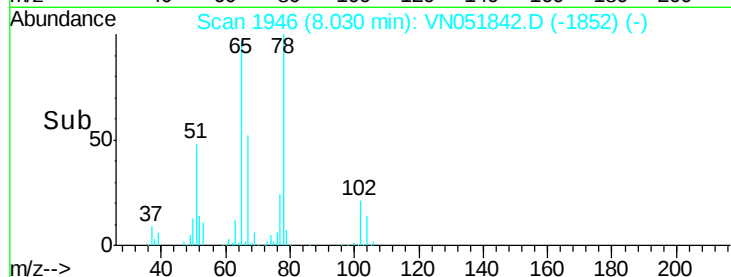
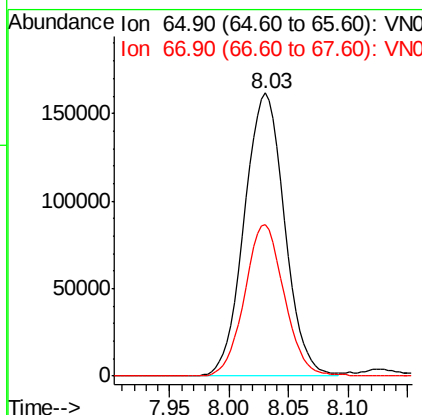
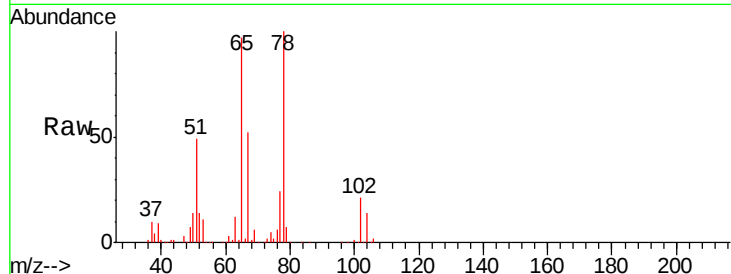
#33  
 1,2-Dichloroethane-d4  
 Concen: 20.07 ug/l  
 RT: 8.03 min Scan# 1946  
 Delta R.T. 0.00 min  
 Lab File: VN051842.D  
 Acq: 12 Oct 2018 19:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1012WBSD02

Tgt Ion: 65 Resp: 379948  
 Ion Ratio Lower Upper  
 65 100  
 67 52.5 0.0 110.4

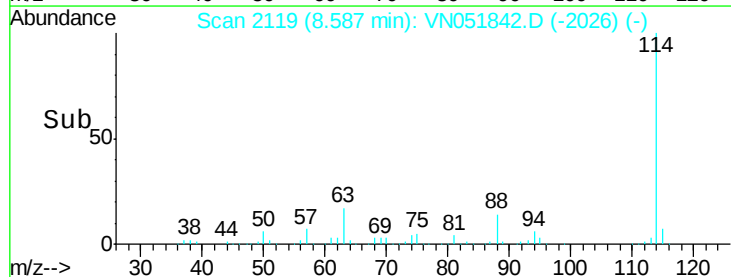
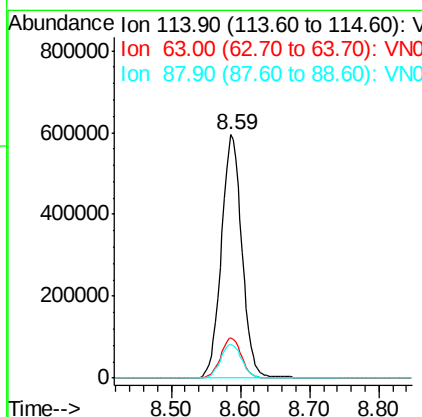
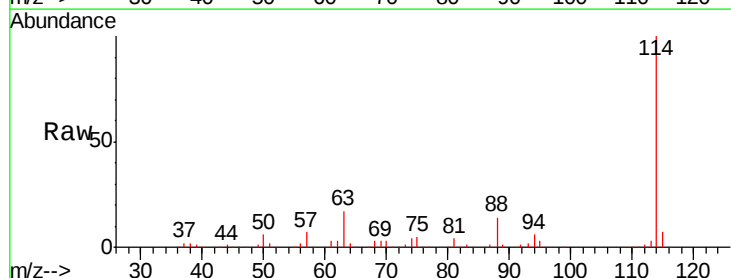
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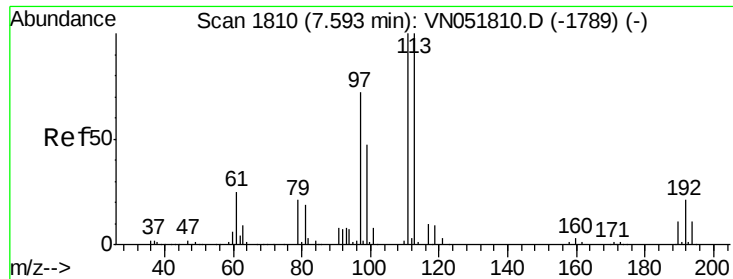
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN051842.D  
 Acq: 12 Oct 2018 19:56

Tgt Ion: 114 Resp: 1230679  
 Ion Ratio Lower Upper  
 114 100  
 63 16.6 0.0 38.6  
 88 14.1 0.0 30.6





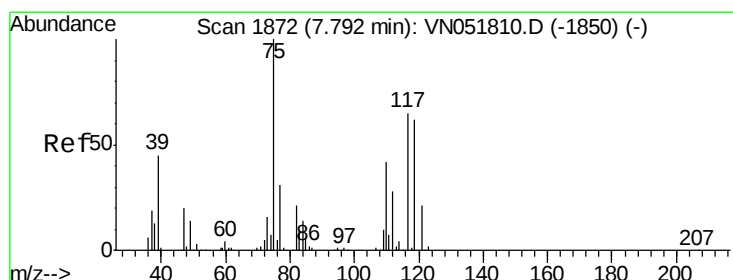
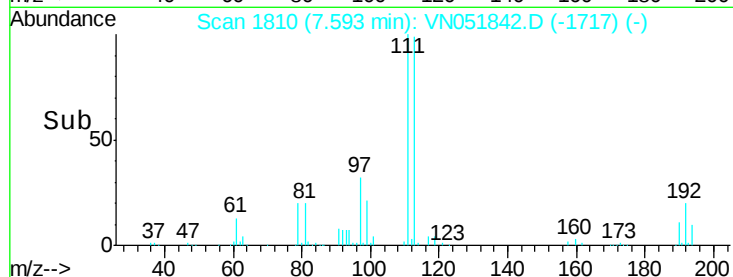
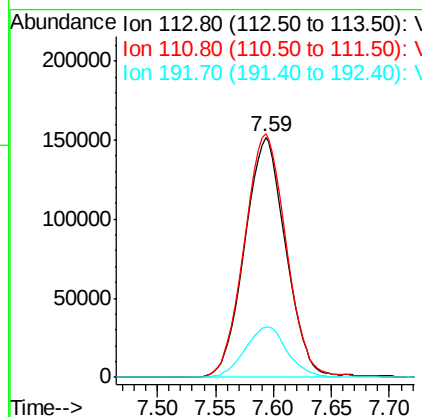
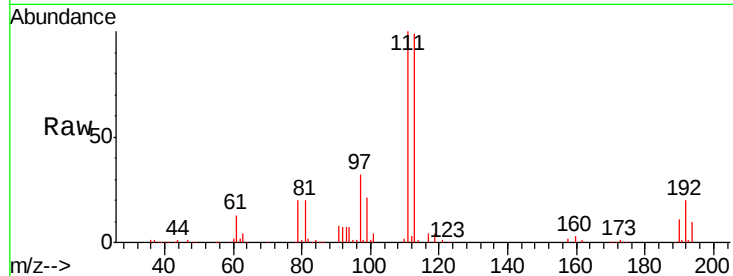
#35  
Dibromofluoromethane  
Concen: 50.00 ug/l  
RT: 7.59 min Scan# 1810  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 373439 |       |       |
| 111     | 104.1 | 82.6   | 123.8 |       |
| 192     | 21.6  | 18.0   | 27.0  |       |

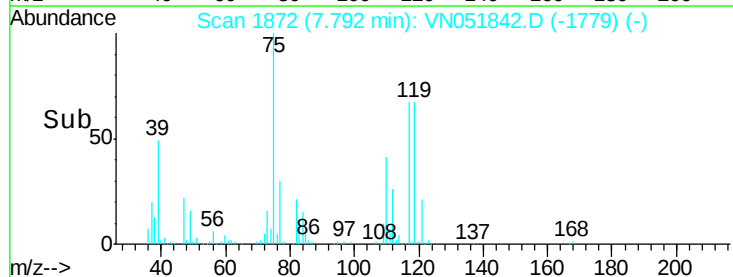
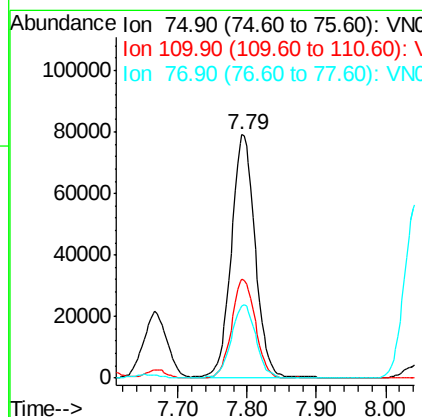
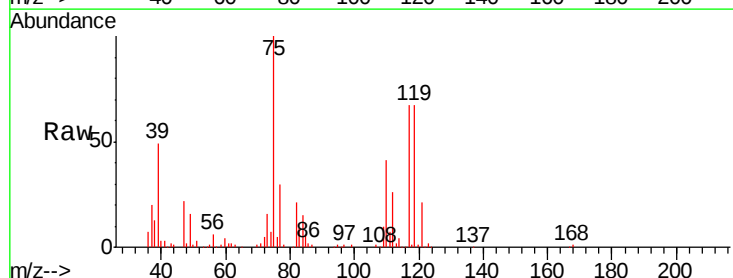
Manual Integrations  
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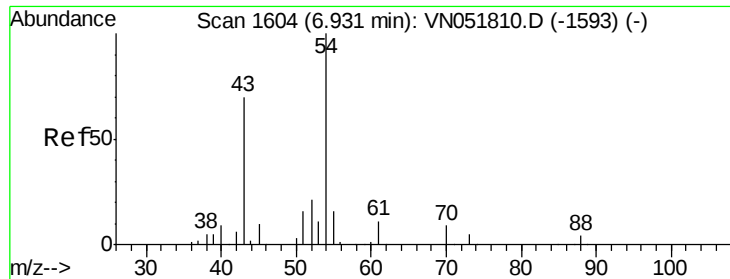
MMDadoda  
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#36  
1,1-Dichloropropene  
Concen: 19.23 ug/l  
RT: 7.79 min Scan# 1872  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 191626 |       |       |
| 110     | 40.2  | 18.1   | 54.4  |       |
| 77      | 30.8  | 24.8   | 37.2  |       |





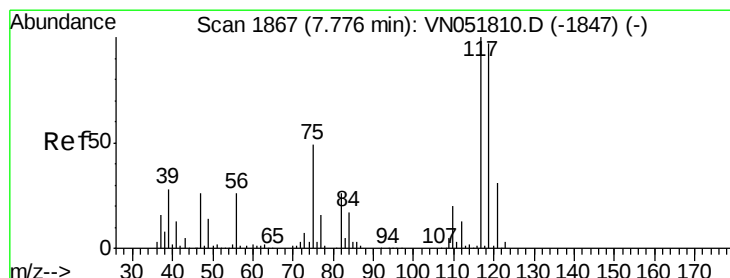
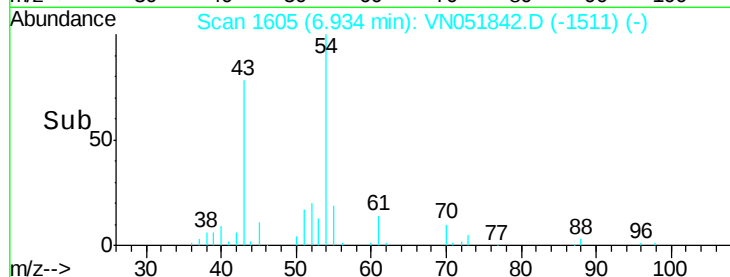
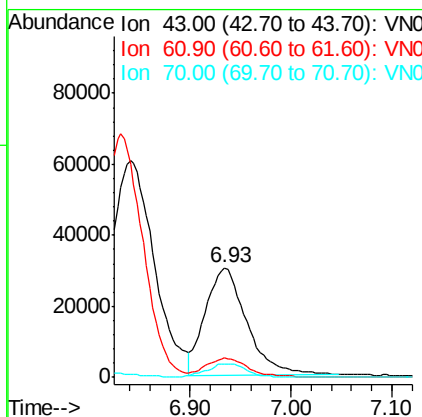
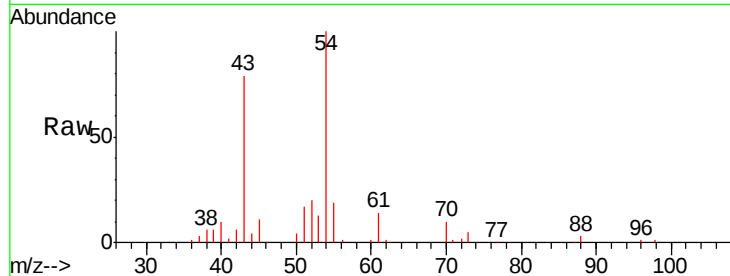
#37  
Ethyl Acetate  
Concen: 16.99 ug/l  
RT: 6.93 min Scan# 1605  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 17.3  | 12.0  | 18.0  |
| 70      | 12.2  | 8.6   | 13.0  |

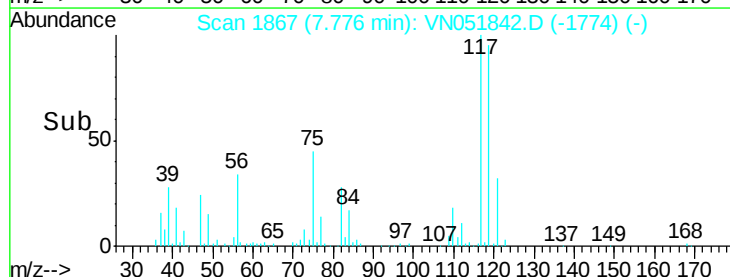
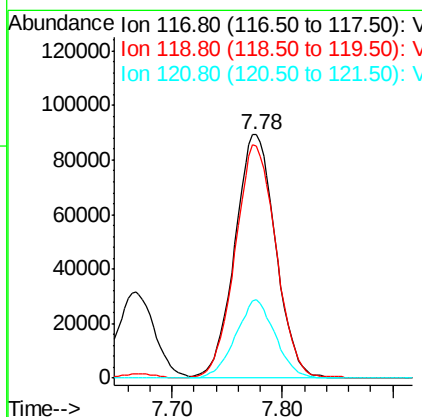
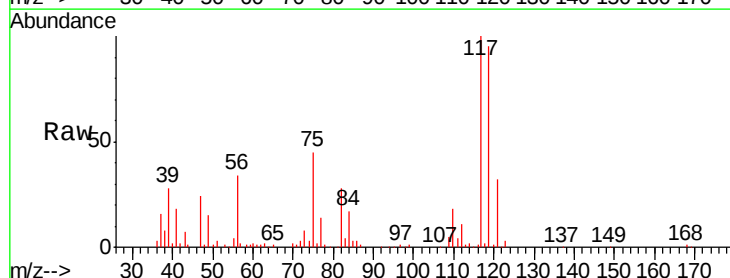
Manual Integrations  
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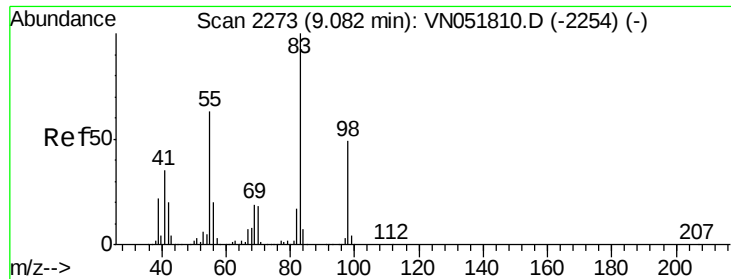
MMDadoda  
10/15/2018 11:28:05 AM



#38  
Carbon Tetrachloride  
Concen: 19.78 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.1  | 76.3  | 114.5 |
| 121     | 32.4  | 24.6  | 36.8  |





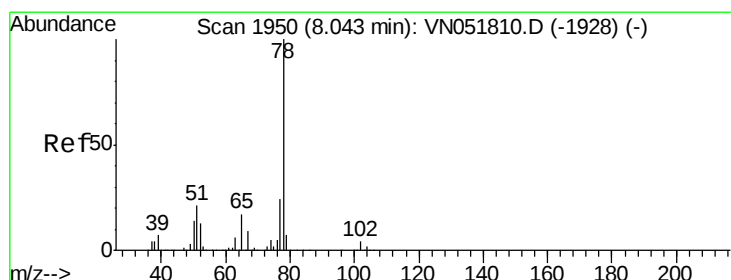
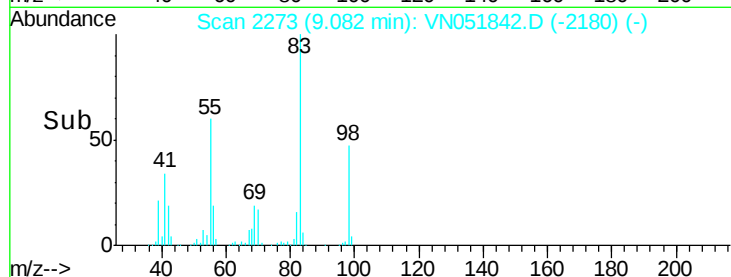
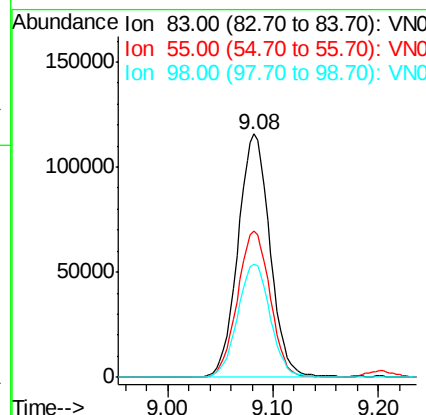
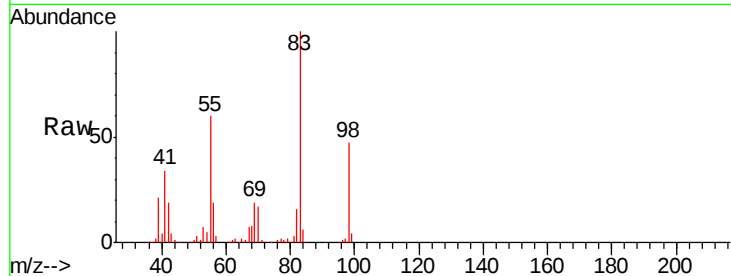
#39  
Methylcyclohexane  
Concen: 19.91 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD02

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 83      | 100   |            |       |
| 55      | 60.3  | 61.0       | 91.4# |
| 98      | 46.6  | 37.5       | 56.3  |

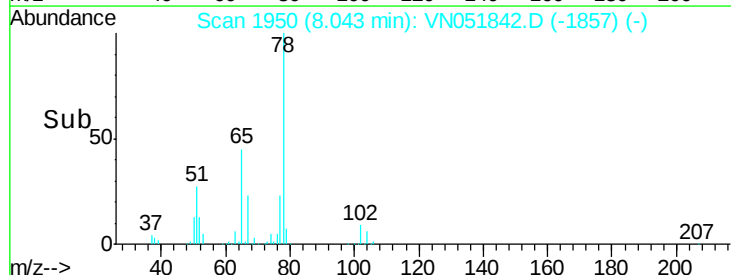
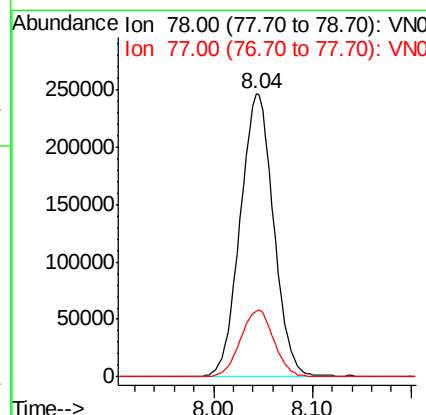
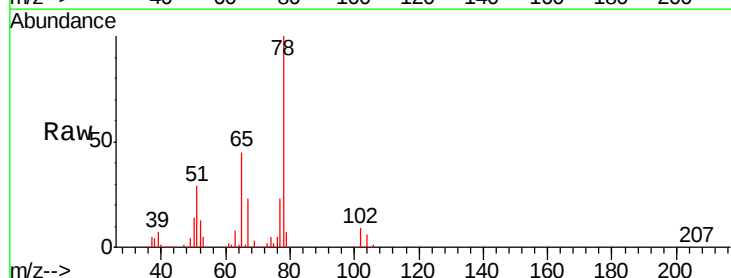
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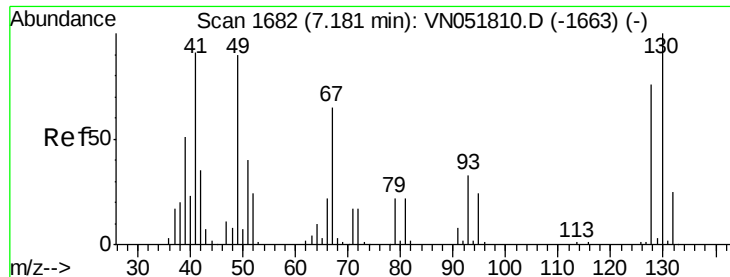
MMDadoda  
10/15/2018 11:28:05 AM



#40  
Benzene  
Concen: 20.06 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 78      | 100   |            |       |
| 77      | 23.3  | 19.0       | 28.4  |





#41

Methacrylonitrile

Concen: 17.92 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD02

Tgt Ion: 41 Resp: 44197  
Ion Ratio Lower Upper

41 100

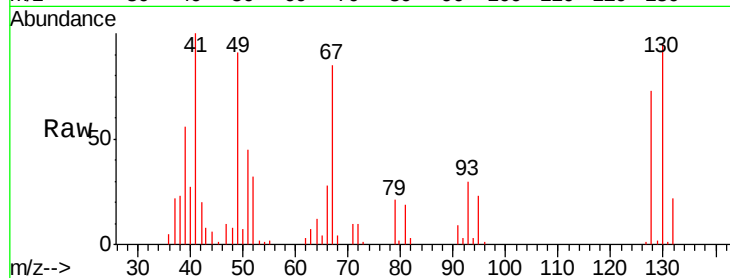
39 47.0 45.4 68.0

67 104.9 70.6 106.0

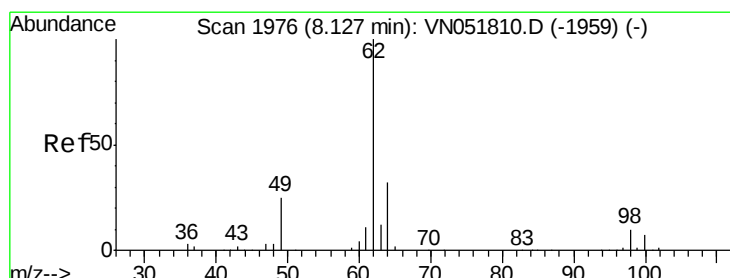
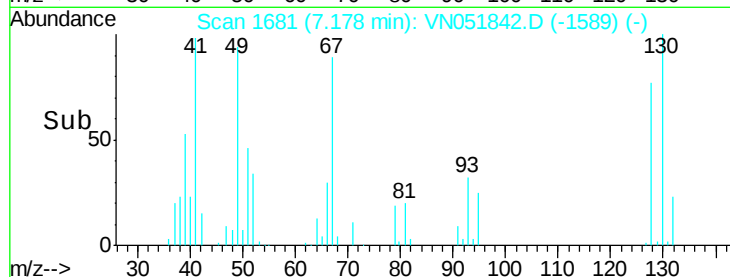
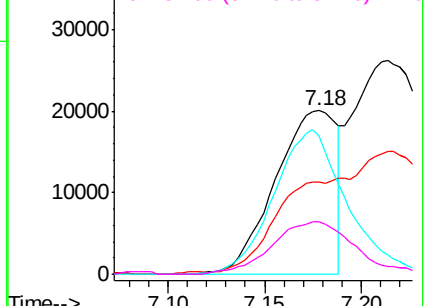
52 43.1 27.1 40.7#

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Abundance Ion 41.00 (40.70 to 41.70): VNC  
Ion 39.00 (38.70 to 39.70): VNC  
Ion 67.00 (66.70 to 67.70): VNC  
Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 19.78 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

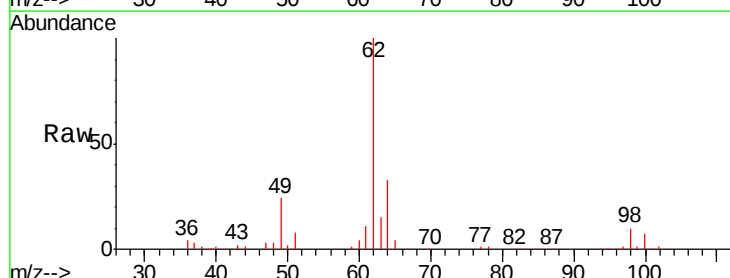
Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

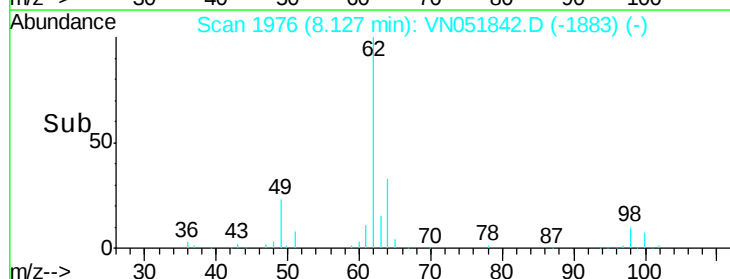
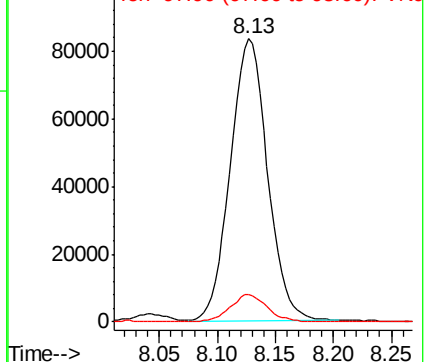
Tgt Ion: 62 Resp: 186343  
Ion Ratio Lower Upper

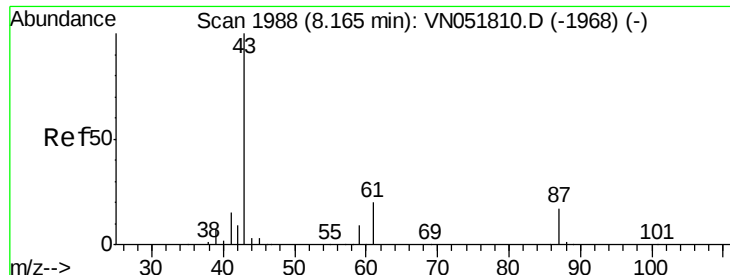
62 100

98 9.6 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VNC  
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 16.64 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

Instrument :

MSVOA\_N

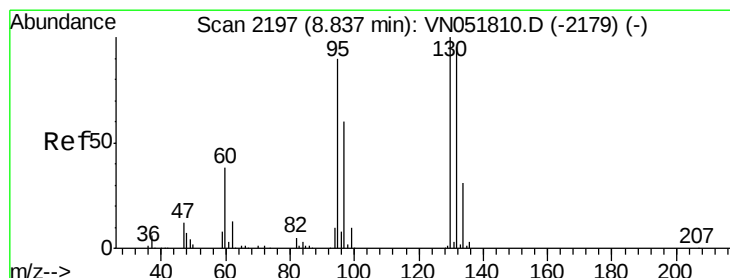
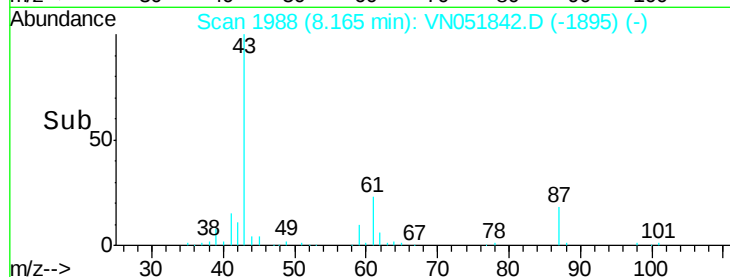
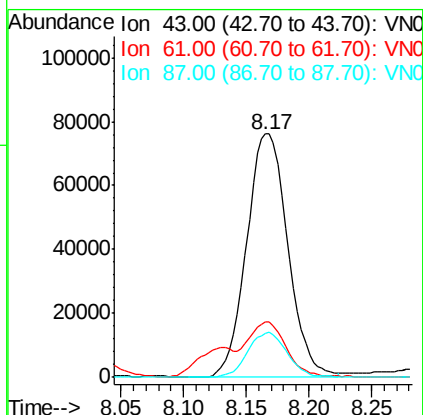
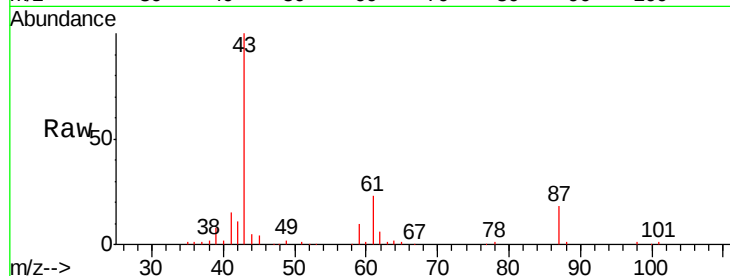
ClientSampleId :

VN1012WBSD02

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 173695 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 61        | 20.8 | 17.5  | 26.3   |
| 87        | 18.0 | 11.3  | 16.9   |

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#44

Trichloroethene

Concen: 20.32 ug/l

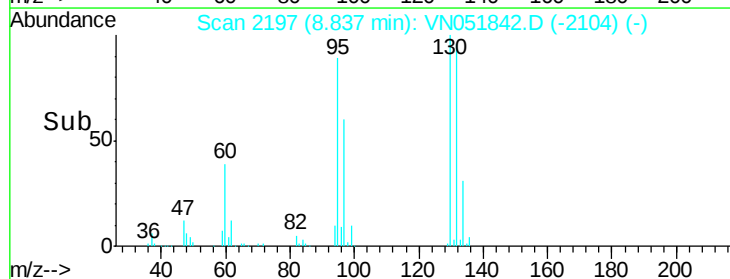
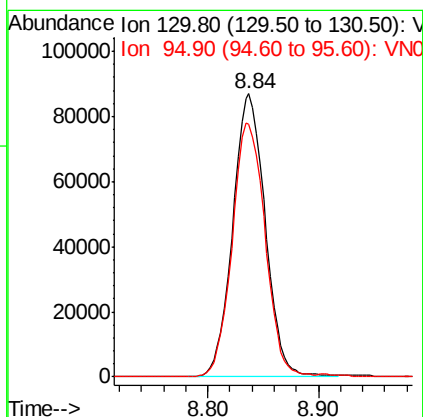
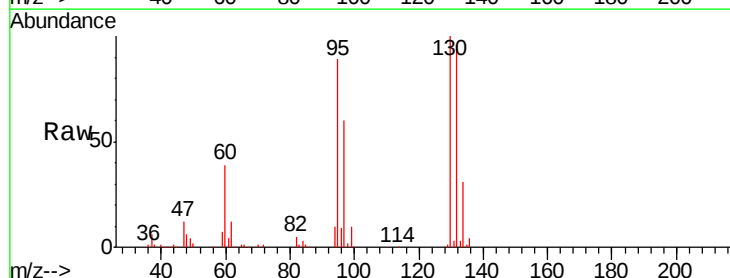
RT: 8.84 min Scan# 2197

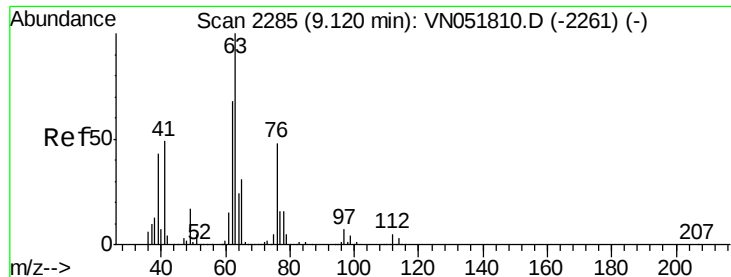
Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 130  | Resp: | 177803 |
| Ion Ratio |      | Lower | Upper  |
| 130       | 100  |       |        |
| 95        | 89.2 | 0.0   | 193.0  |





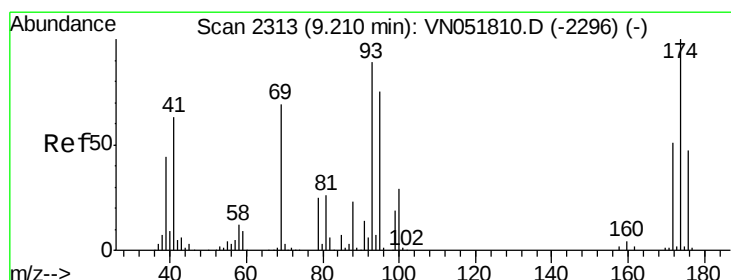
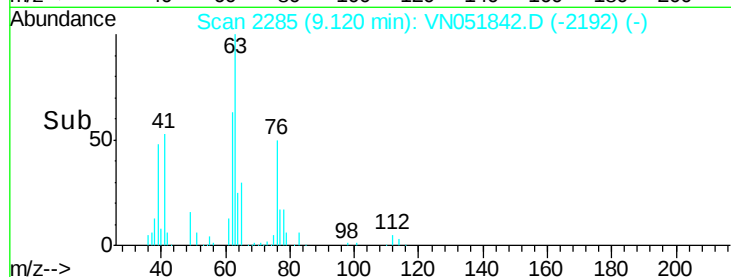
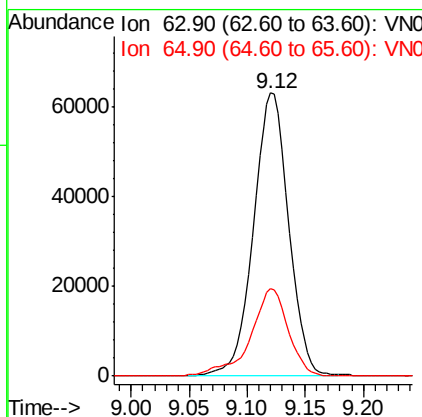
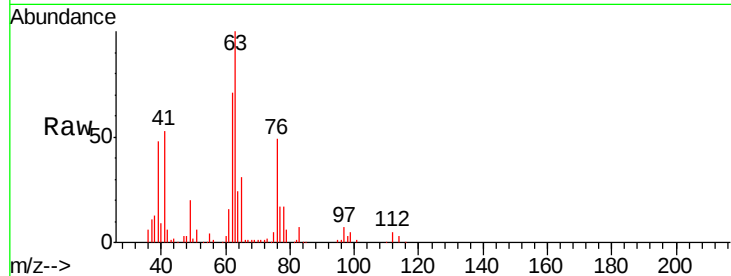
#45  
 1,2-Dichloropropane  
 Concen: 19.78 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN051842.D  
 Acq: 12 Oct 2018 19:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1012WBSD02

Tgt Ion: 63 Resp: 133649  
 Ion Ratio Lower Upper  
 63 100  
 65 30.6 25.0 37.6

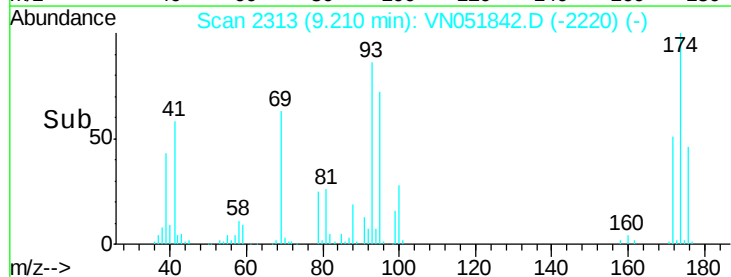
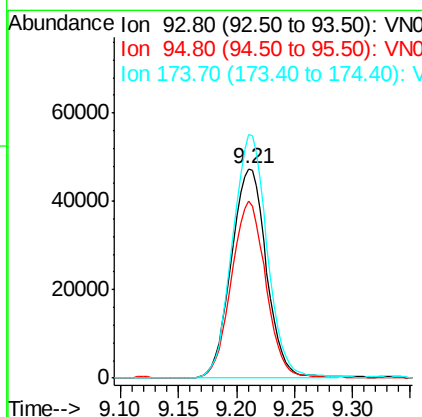
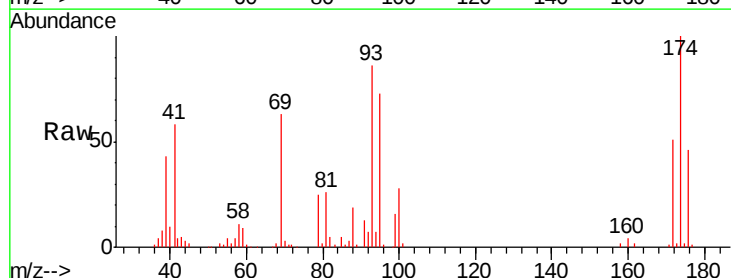
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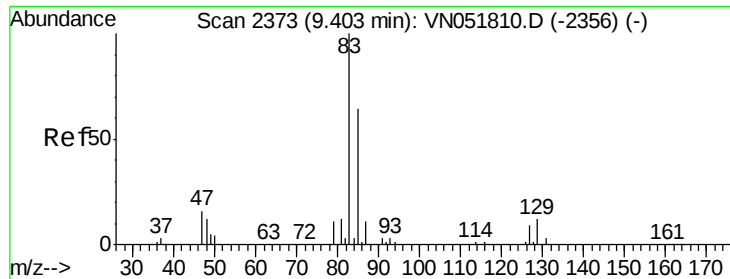
MMDadoda  
 10/15/2018 11:28:05 AM



#46  
 Dibromomethane  
 Concen: 19.22 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. 0.00 min  
 Lab File: VN051842.D  
 Acq: 12 Oct 2018 19:56

Tgt Ion: 93 Resp: 99652  
 Ion Ratio Lower Upper  
 93 100  
 95 83.0 66.7 100.1  
 174 115.1 89.8 134.6





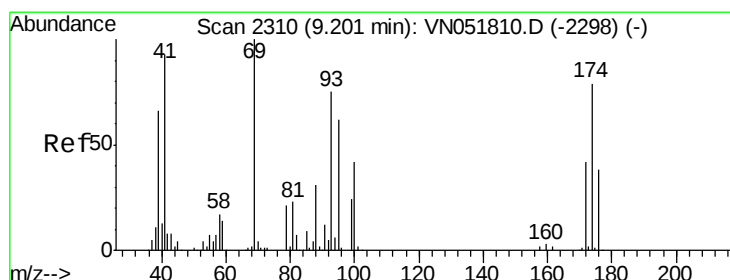
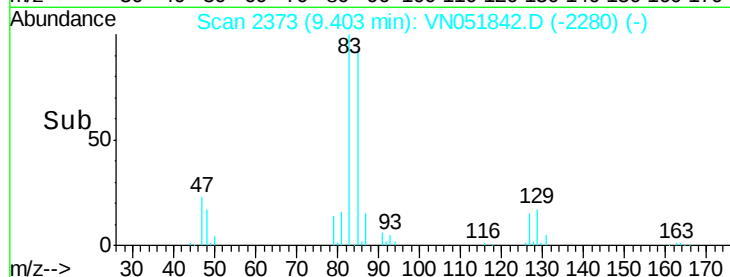
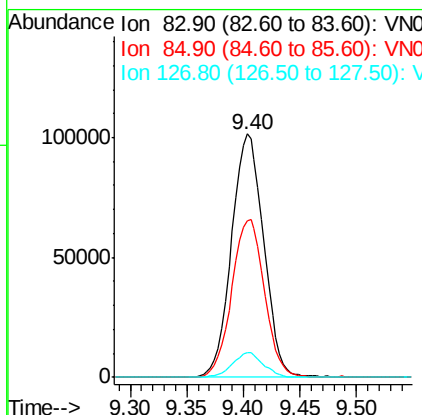
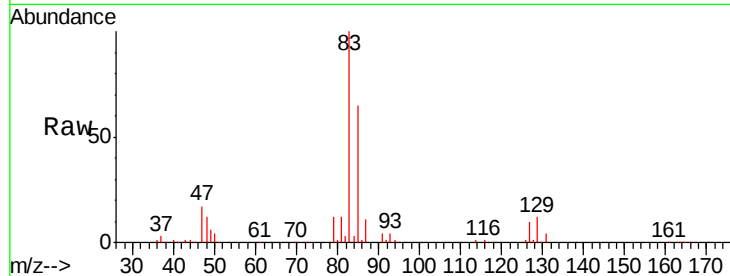
#47  
Bromodichloromethane  
Concen: 19.42 ug/l  
RT: 9.40 min Scan# 2373  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.5  | 52.6  | 78.8  |
| 127     | 10.3  | 7.2   | 10.8  |

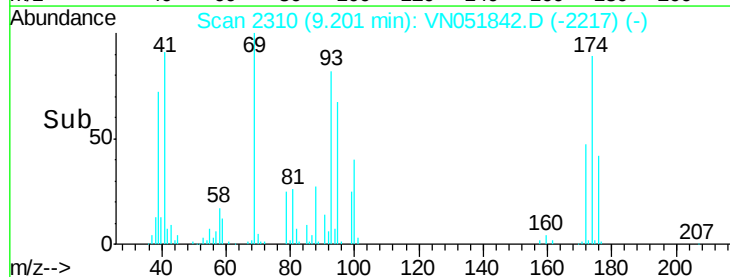
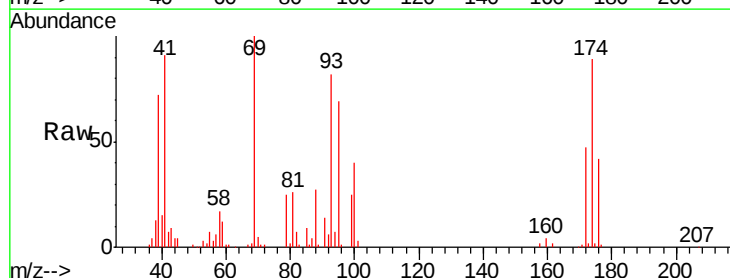
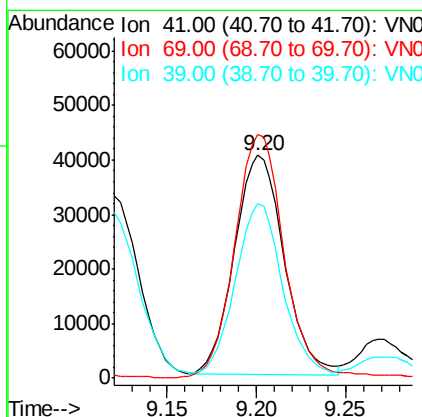
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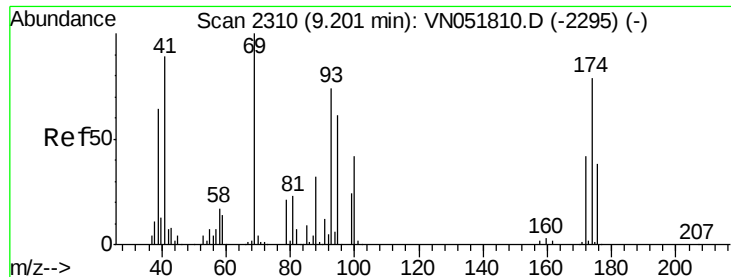
MMDadoda  
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#48  
Methyl methacrylate  
Concen: 17.07 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 112.0 | 74.7  | 112.1 |
| 39      | 76.4  | 42.2  | 63.2# |





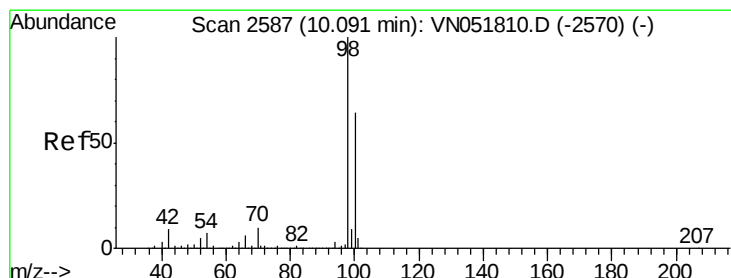
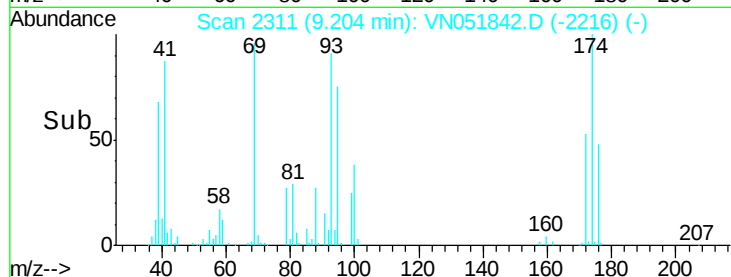
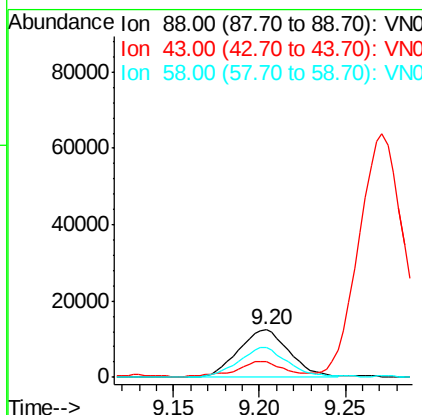
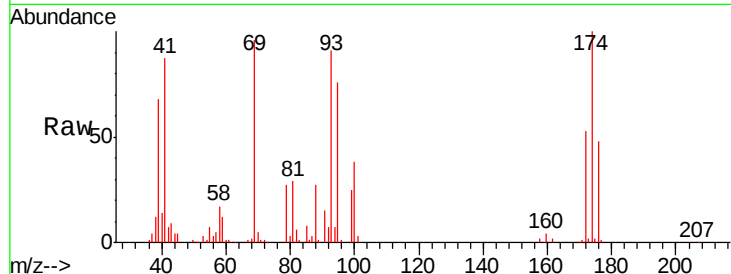
#49  
1,4-Dioxane  
Concen: 322.85 ug/l  
RT: 9.20 min Scan# 2311  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD02

Tgt Ion: 88 Resp: 25766  
Ion Ratio Lower Upper  
88 100  
43 29.6 25.9 38.9  
58 60.1 55.0 82.4

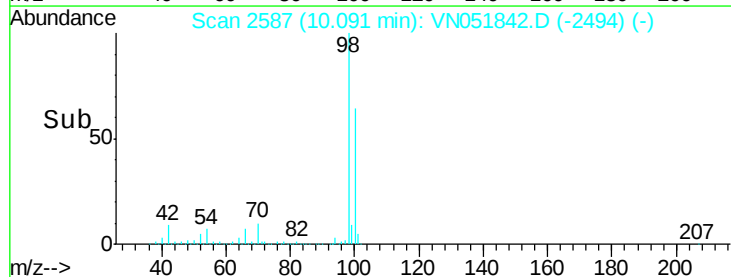
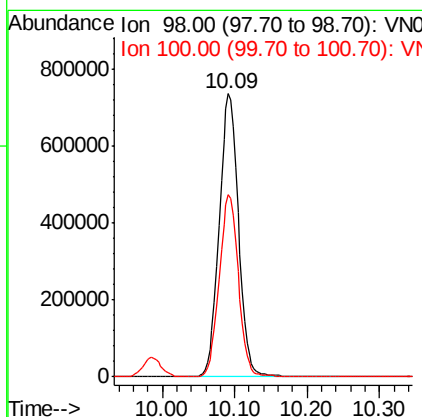
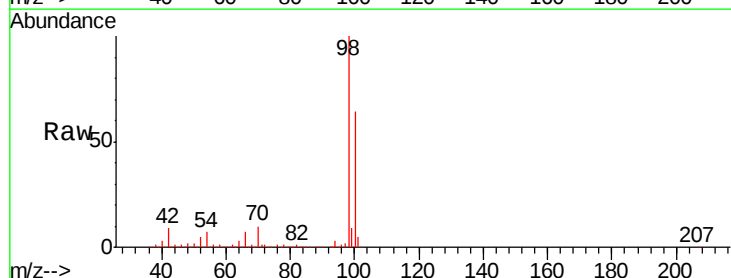
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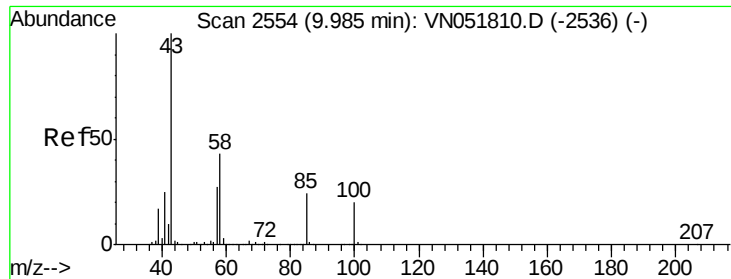
MMDadoda  
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#50  
Toluene-d8  
Concen: 322.85 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Tgt Ion: 98 Resp: 1354534  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.5 77.3





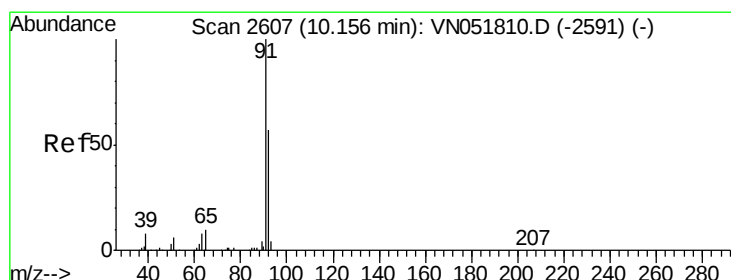
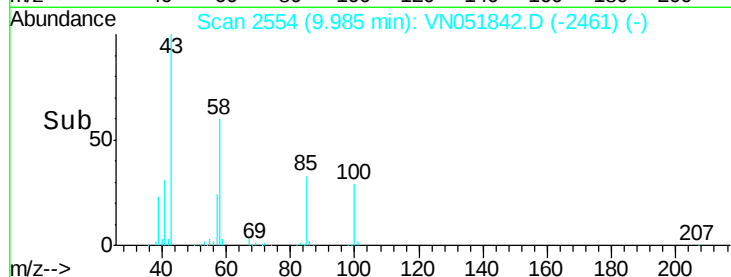
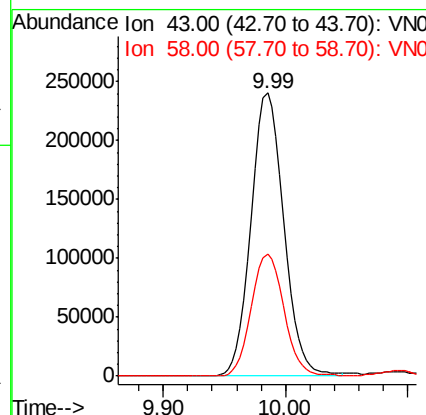
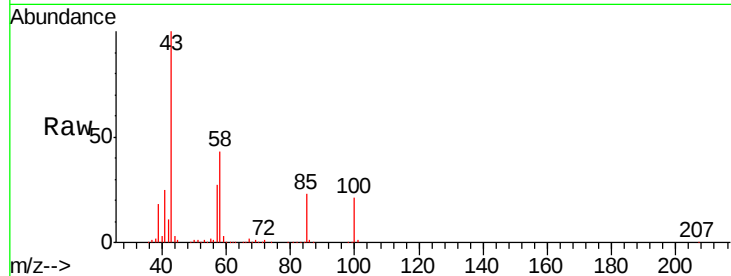
#51  
 4-Methyl-2-Pentanone  
 Concen: 83.79 ug/l  
 RT: 9.99 min Scan# 2554  
 Delta R.T. 0.00 min  
 Lab File: VN051842.D  
 Acq: 12 Oct 2018 19:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1012WBSD02

Tgt Ion: 43 Resp: 444925  
 Ion Ratio Lower Upper  
 43 100  
 58 43.1 32.4 48.6

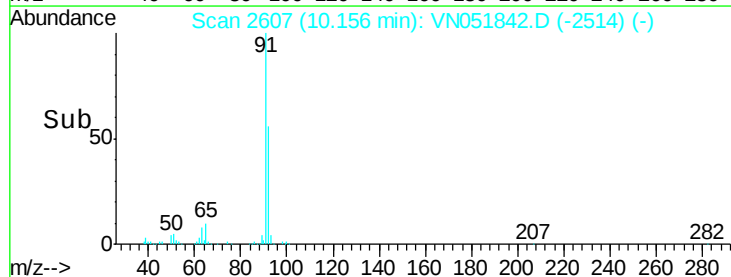
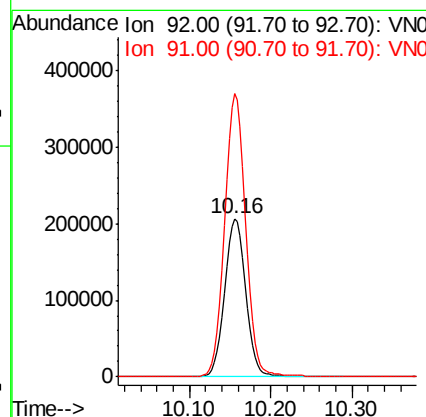
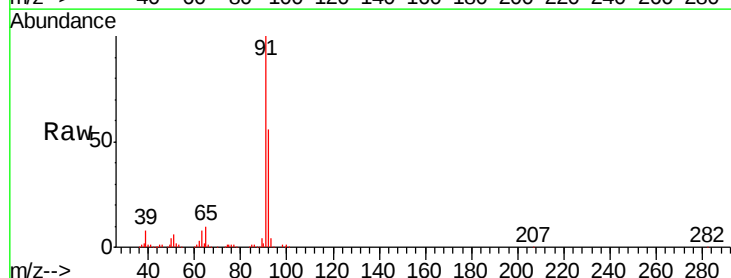
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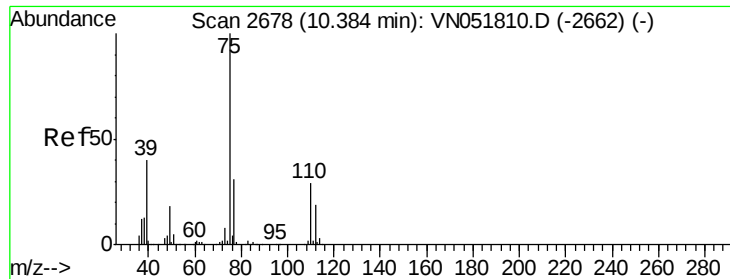
MMDadoda  
 10/15/2018 11:28:05 AM



#52  
 Toluene  
 Concen: 19.76 ug/l  
 RT: 10.16 min Scan# 2607  
 Delta R.T. 0.00 min  
 Lab File: VN051842.D  
 Acq: 12 Oct 2018 19:56

Tgt Ion: 92 Resp: 381351  
 Ion Ratio Lower Upper  
 92 100  
 91 177.8 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 16.95 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD02

Tgt Ion: 75 Resp: 175971

Ion Ratio Lower Upper

75 100

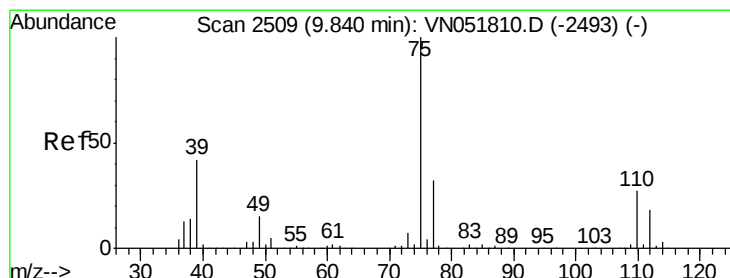
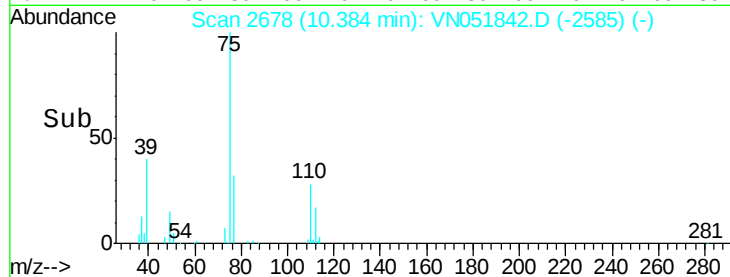
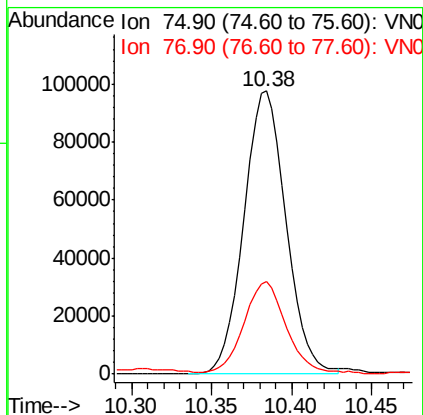
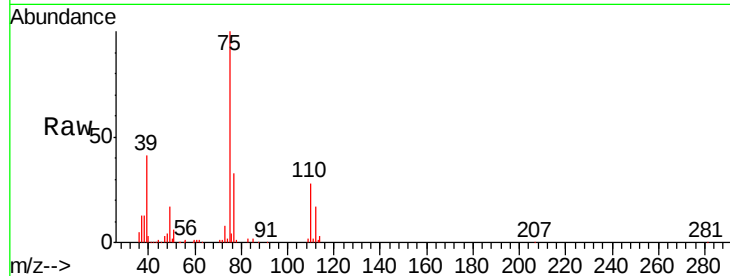
77 31.7 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 18.44 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

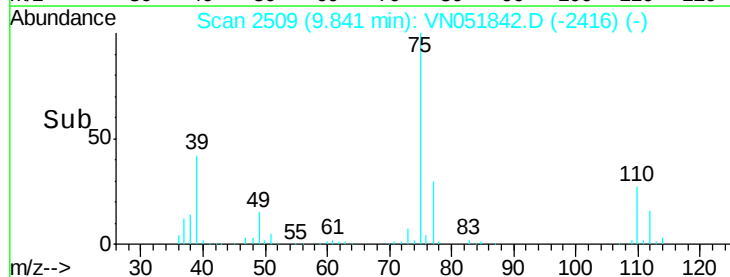
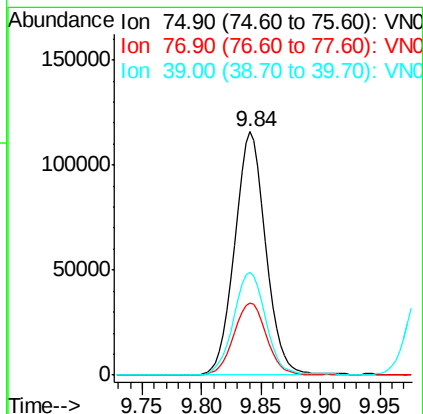
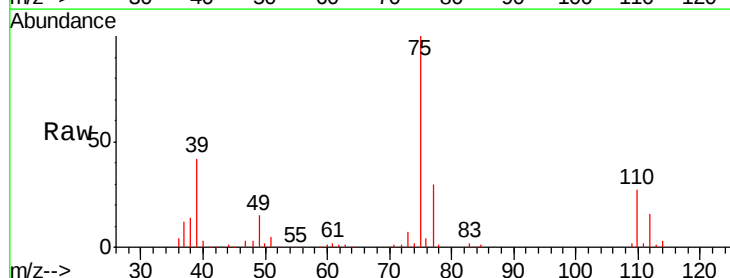
Tgt Ion: 75 Resp: 210156

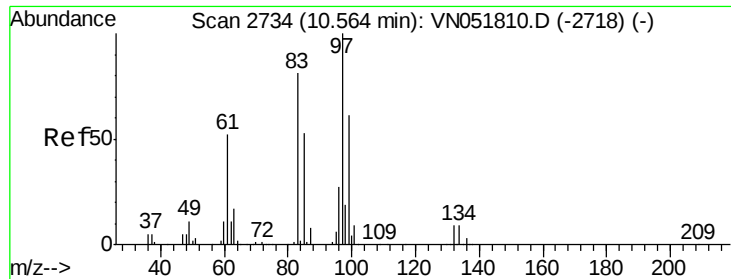
Ion Ratio Lower Upper

75 100

77 29.8 25.4 38.2

39 42.3 33.0 49.4





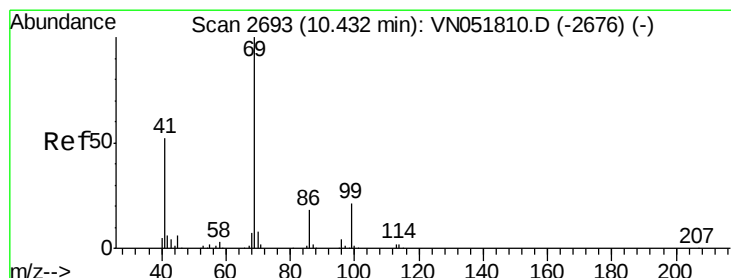
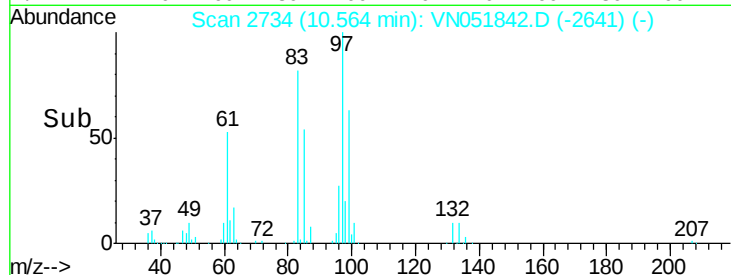
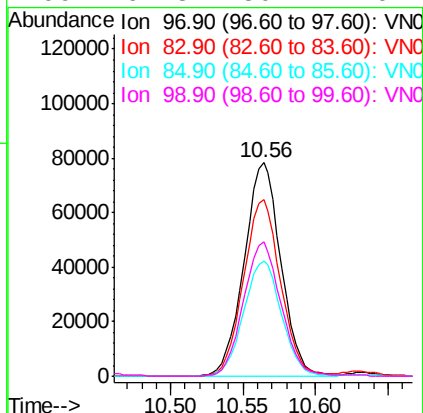
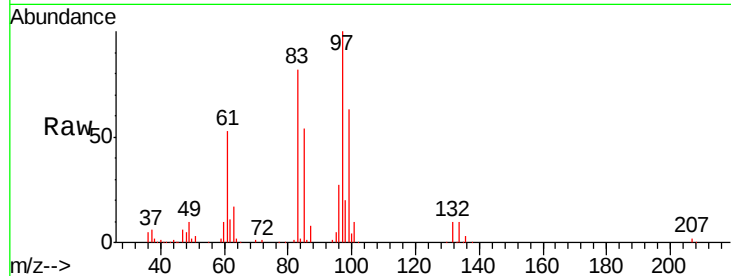
#55  
 1,1,2-Trichloroethane  
 Concen: 19.14 ug/l  
 RT: 10.56 min Scan# 2734  
 Delta R.T. 0.00 min  
 Lab File: VN051842.D  
 Acq: 12 Oct 2018 19:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1012WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 82.5  | 69.7  | 104.5 |
| 85      | 54.0  | 44.5  | 66.7  |
| 99      | 62.8  | 50.7  | 76.1  |

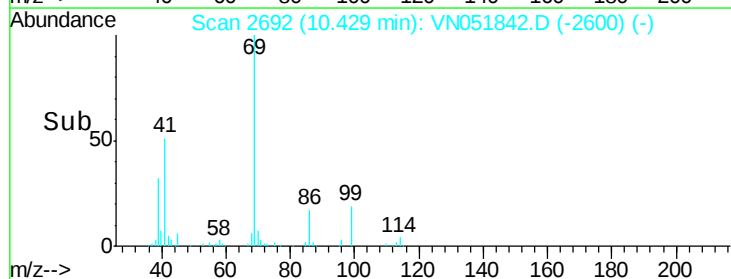
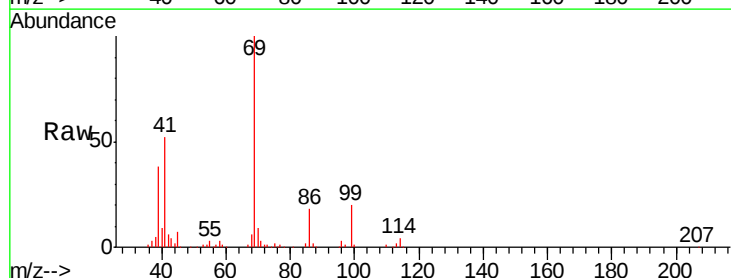
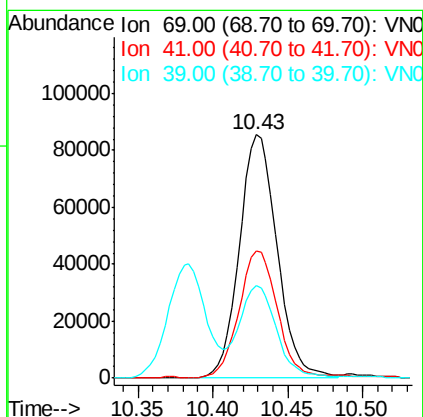
Manual Integrations  
 APPROVED

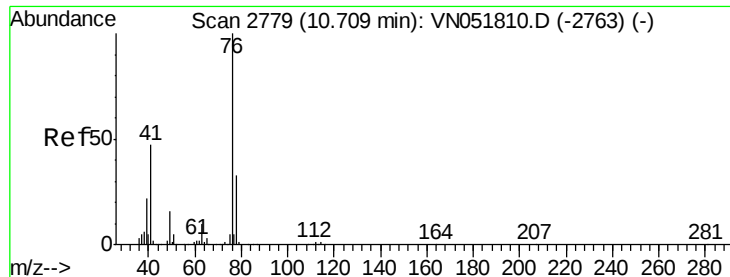
MMDadoda  
 10/15/2018 11:28:05 AM



#56  
 Ethyl methacrylate  
 Concen: 17.60 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. -0.00 min  
 Lab File: VN051842.D  
 Acq: 12 Oct 2018 19:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 52.4  | 48.3  | 72.5  |
| 39      | 38.3  | 24.0  | 36.0# |





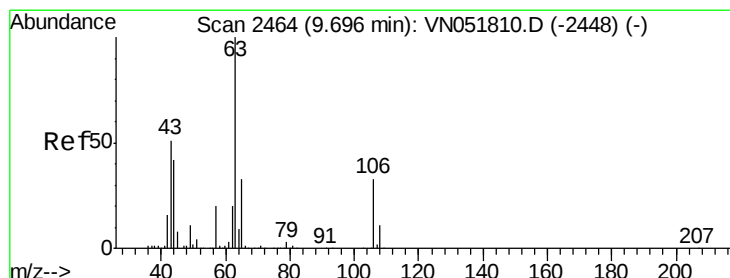
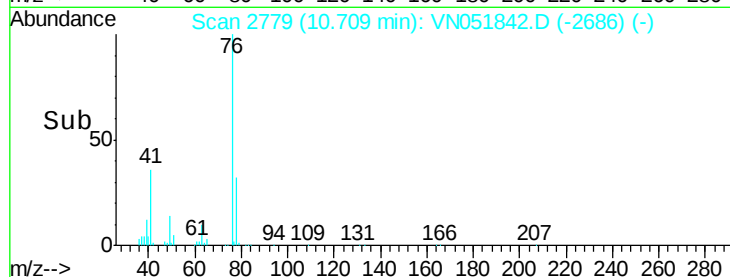
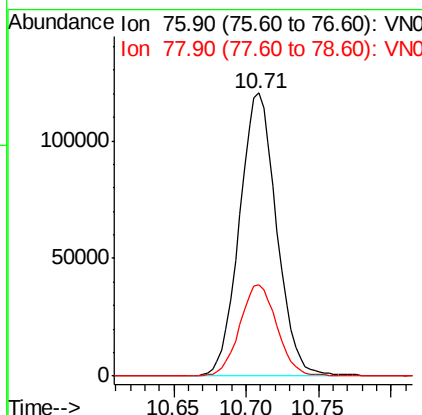
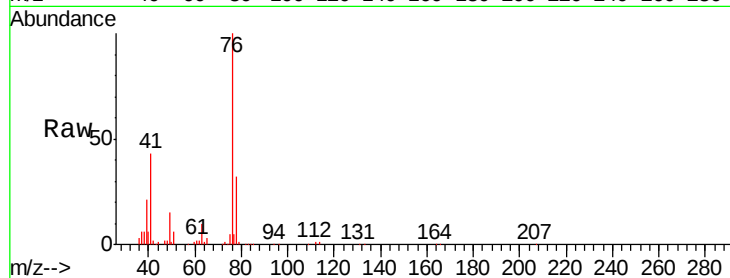
#57  
 1,3-Dichloropropane  
 Concen: 19.02 ug/l  
 RT: 10.71 min Scan# 2779  
 Delta R.T. 0.00 min  
 Lab File: VN051842.D  
 Acq: 12 Oct 2018 19:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1012WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.5  | 25.5  | 38.3  |

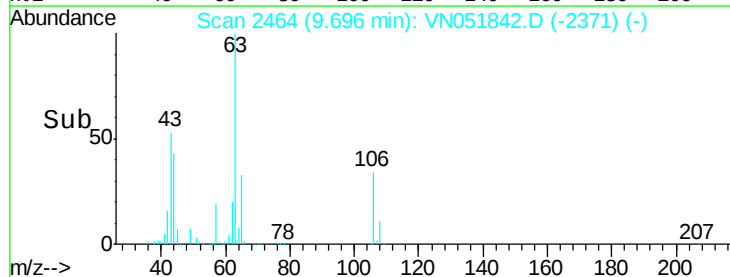
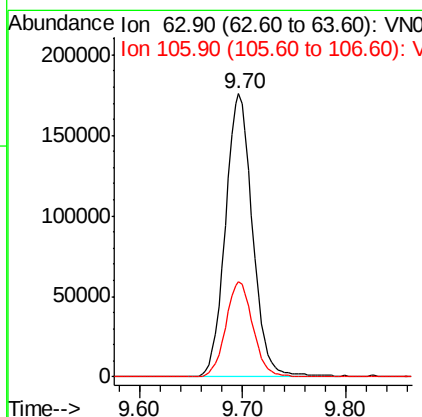
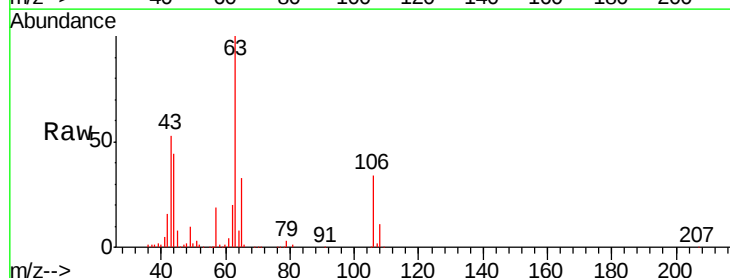
Manual Integrations  
 APPROVED

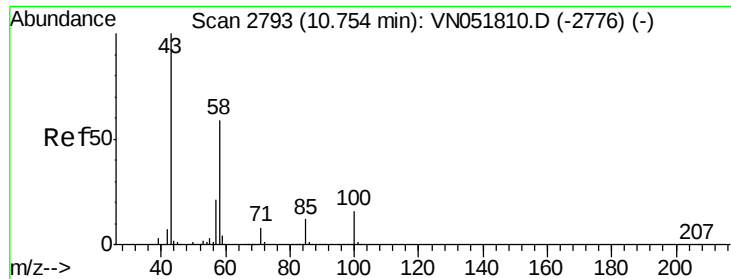
MMDadoda  
 10/15/2018 11:28:05 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 86.55 ug/l  
 RT: 9.70 min Scan# 2464  
 Delta R.T. 0.00 min  
 Lab File: VN051842.D  
 Acq: 12 Oct 2018 19:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 33.5  | 21.9  | 32.9# |





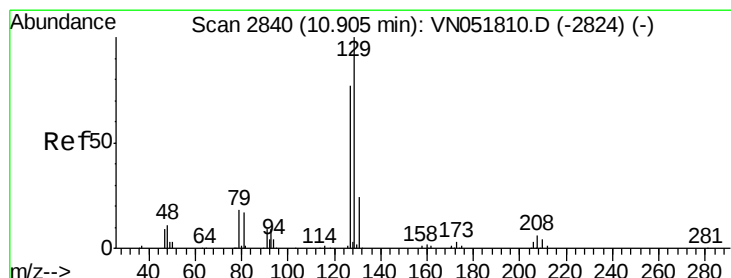
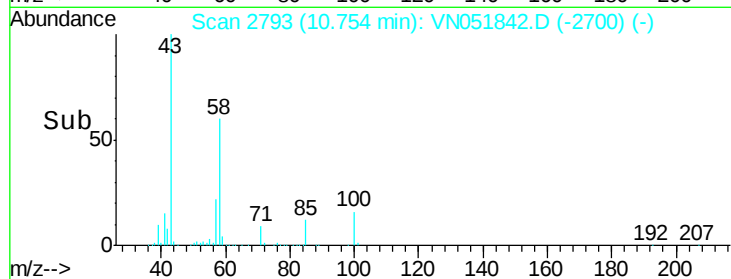
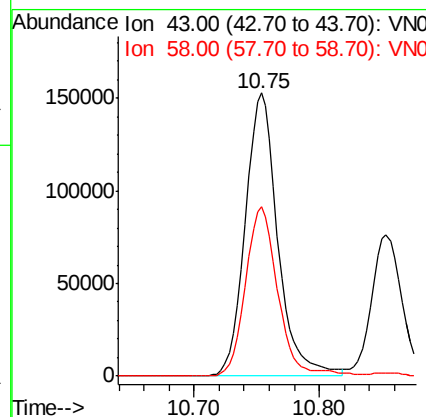
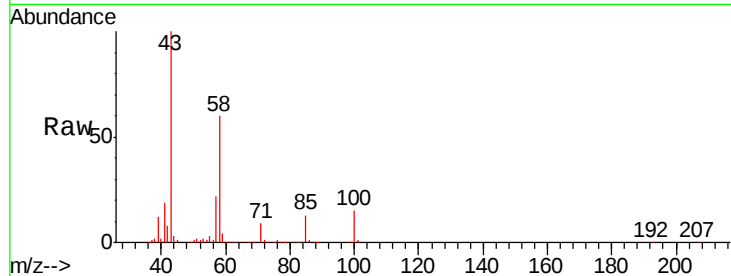
#59  
2-Hexanone  
Concen: 73.50 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD02

Tgt Ion: 43 Resp: 274125  
Ion Ratio Lower Upper  
43 100  
58 59.8 28.3 85.0

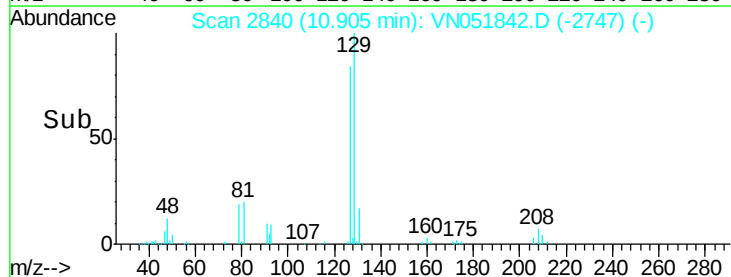
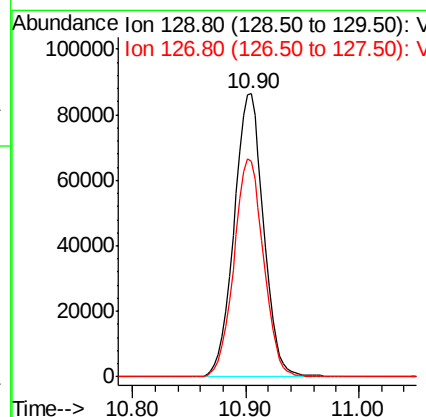
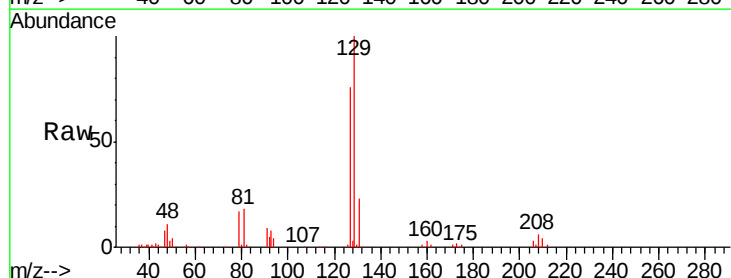
Manual Integrations  
APPROVED

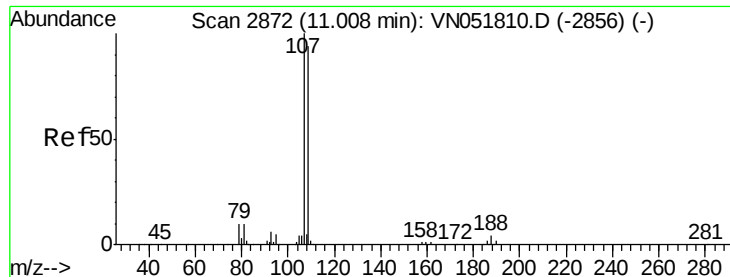
MMDadoda  
10/15/2018 11:28:05 AM



#60  
Dibromochloromethane  
Concen: 18.21 ug/l  
RT: 10.90 min Scan# 2840  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Tgt Ion: 129 Resp: 156946  
Ion Ratio Lower Upper  
129 100  
127 77.1 38.3 114.9





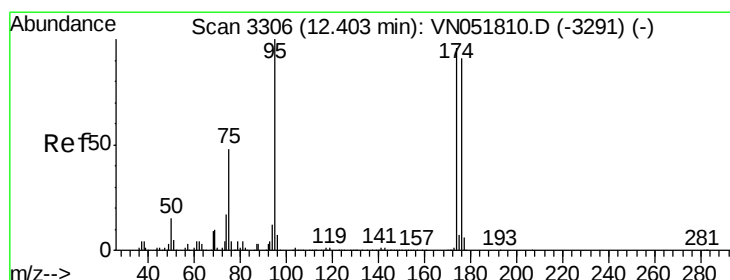
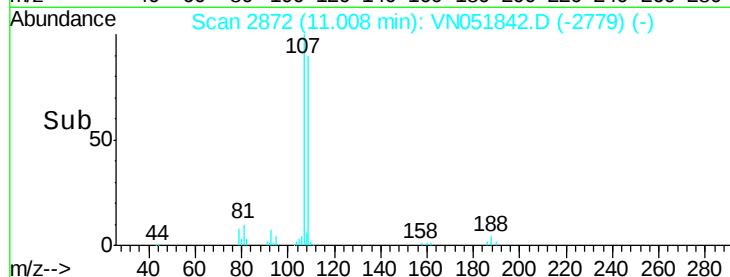
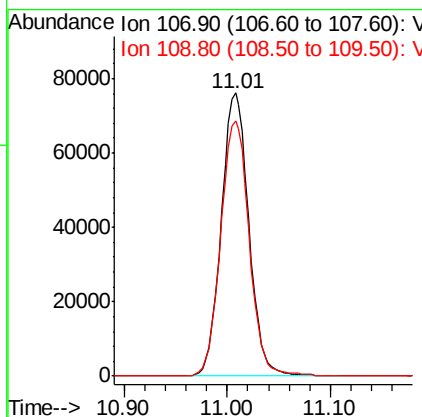
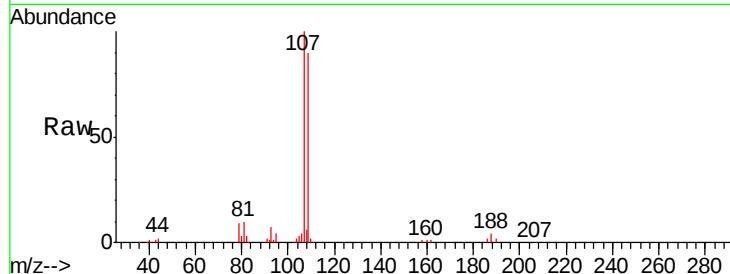
#61  
1,2-Dibromoethane  
Concen: 18.95 ug/l  
RT: 11.01 min Scan# 2872  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD02

Tgt Ion: 107 Resp: 141700  
Ion Ratio Lower Upper  
107 100  
109 93.3 75.4 113.2

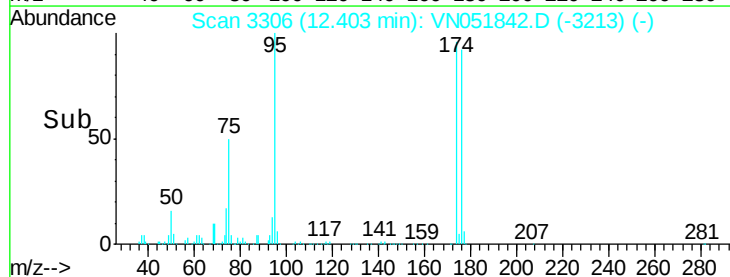
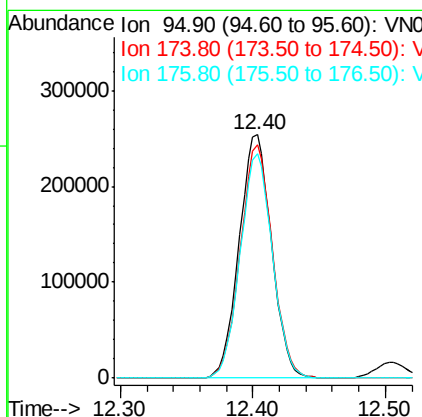
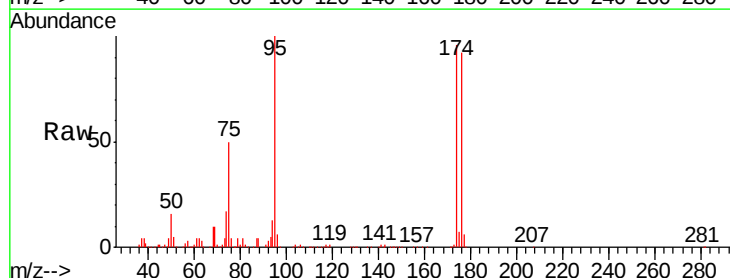
Manual Integrations  
APPROVED

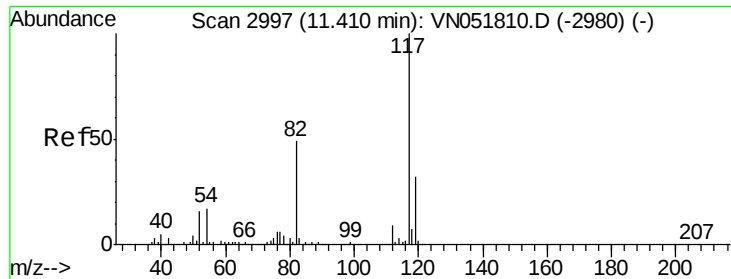
MMDadoda  
10/15/2018 11:28:05 AM



#62  
4-Bromofluorobenzene  
Concen: 18.95 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Tgt Ion: 95 Resp: 430843  
Ion Ratio Lower Upper  
95 100  
174 95.2 0.0 183.0  
176 92.0 0.0 178.8





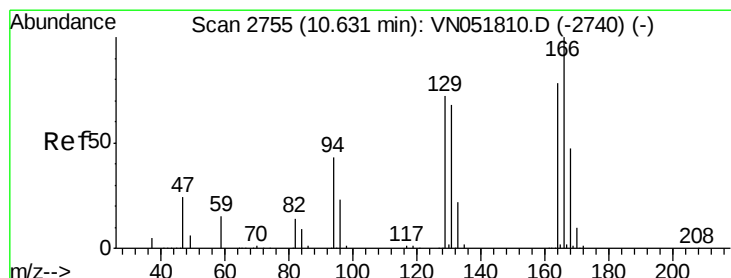
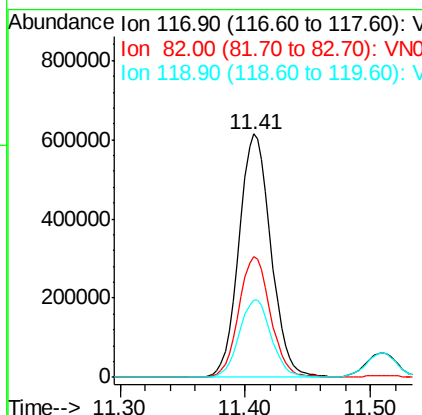
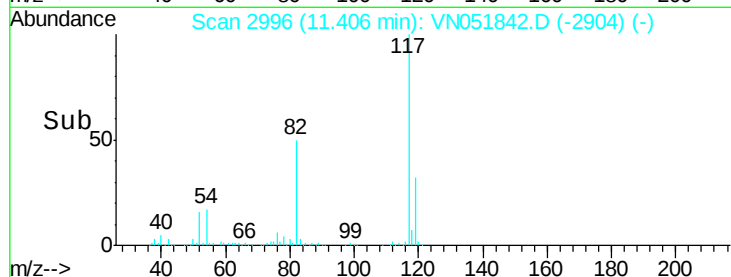
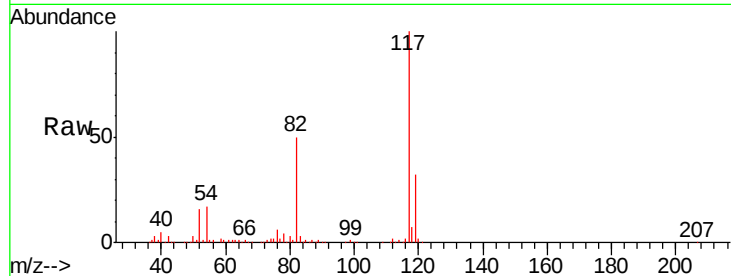
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD02

Tgt Ion:117 Resp: 1089666  
Ion Ratio Lower Upper  
117 100  
82 49.7 42.6 64.0  
119 32.0 25.8 38.6

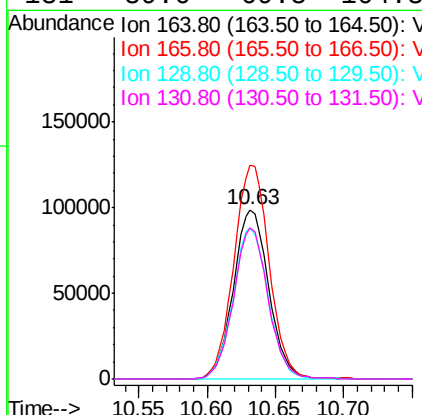
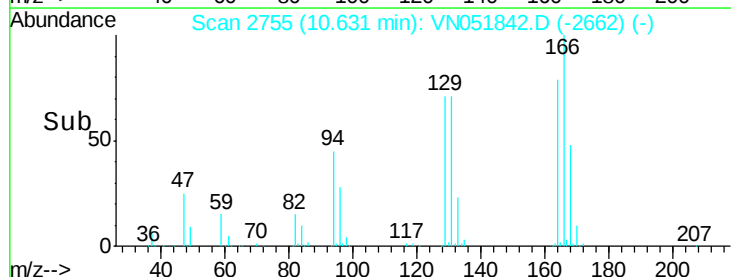
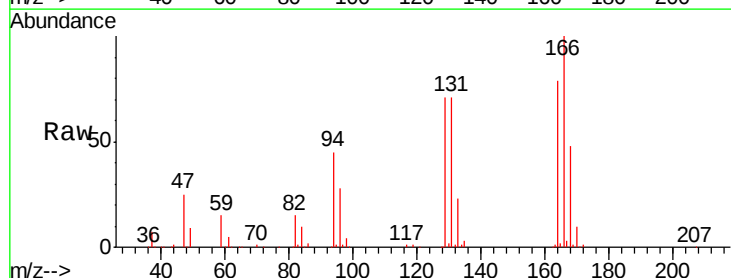
Manual Integrations  
APPROVED

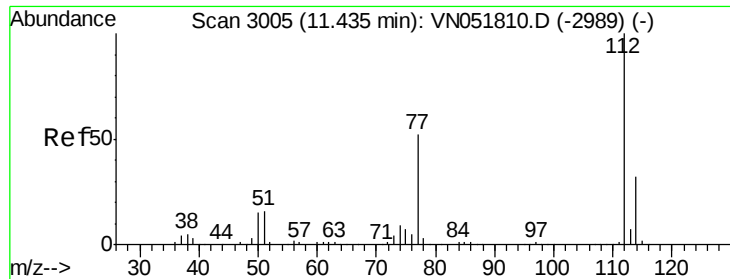
MMDadoda  
10/15/2018 11:28:05 AM



#64  
Tetrachloroethene  
Concen: 21.29 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Tgt Ion:164 Resp: 177965  
Ion Ratio Lower Upper  
164 100  
166 126.3 103.5 155.3  
129 89.2 72.7 109.1  
131 89.6 69.5 104.3





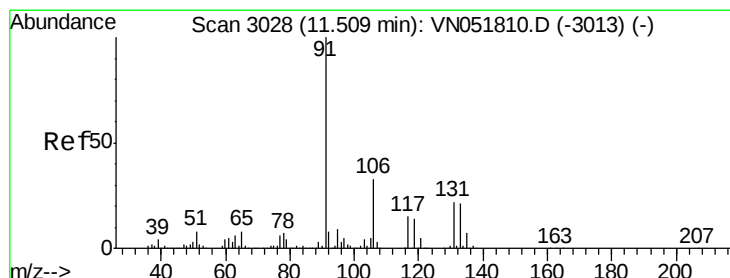
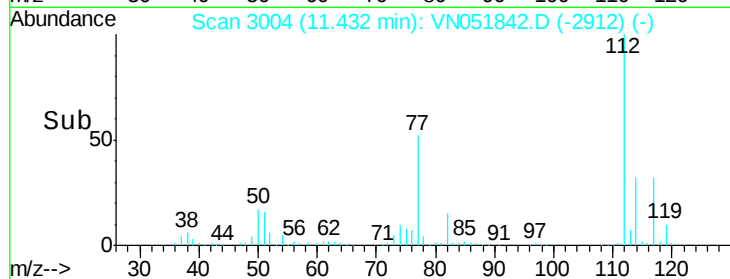
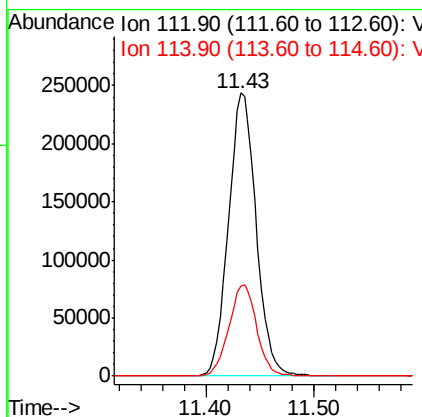
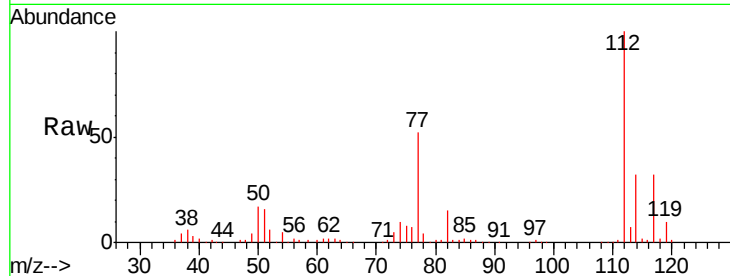
#65  
Chlorobenzene  
Concen: 19.77 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. -0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD02

Tgt Ion:112 Resp: 435788  
Ion Ratio Lower Upper  
112 100  
114 31.7 25.6 38.4

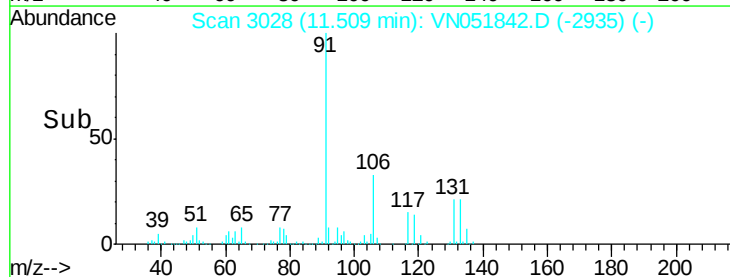
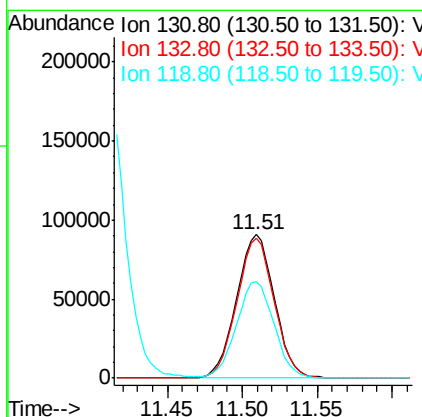
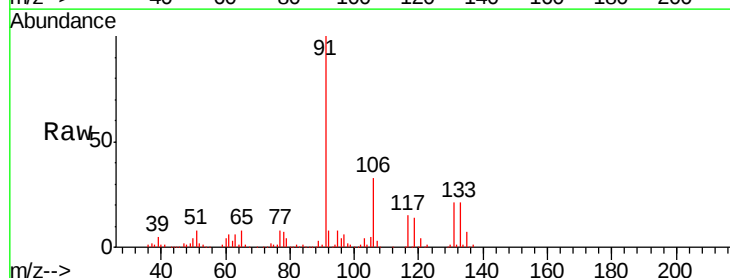
Manual Integrations  
APPROVED

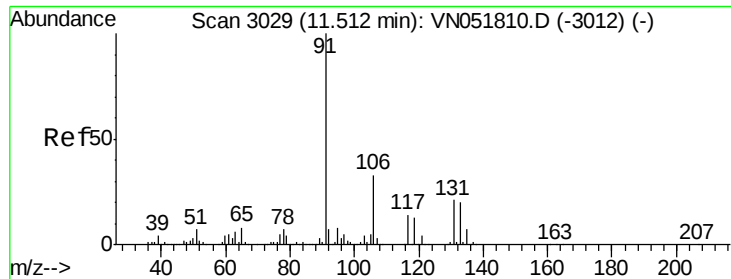
MMDadoda  
10/15/2018 11:28:05 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.02 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Tgt Ion:131 Resp: 159767  
Ion Ratio Lower Upper  
131 100  
133 96.0 47.4 142.3  
119 67.0 32.8 98.4





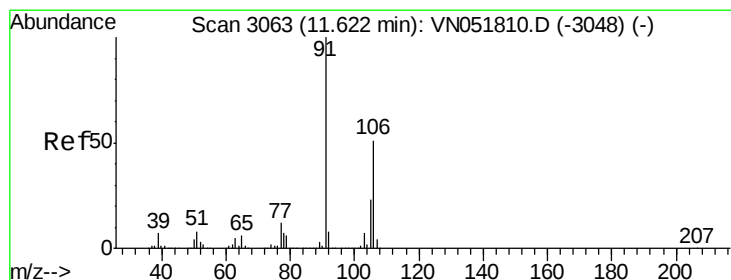
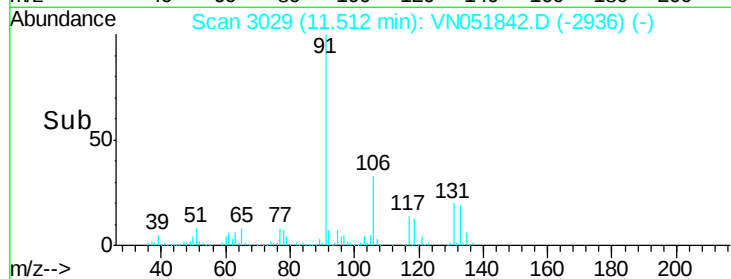
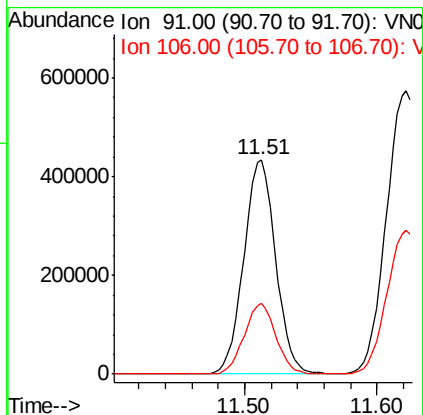
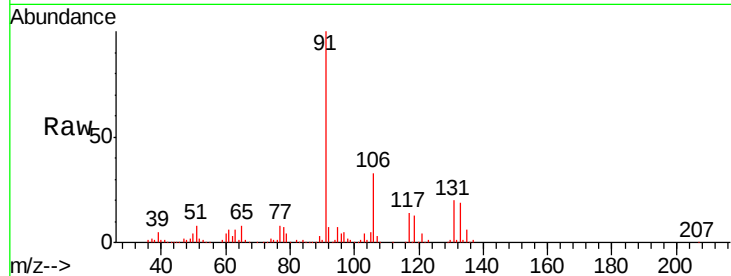
#67  
Ethyl Benzene  
Concen: 19.89 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD02

Tgt Ion: 91 Resp: 725582  
Ion Ratio Lower Upper  
91 100  
106 32.8 25.0 37.4

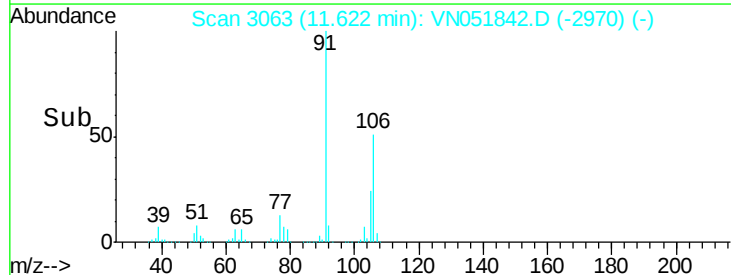
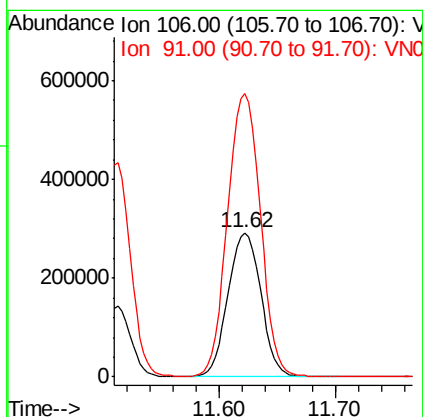
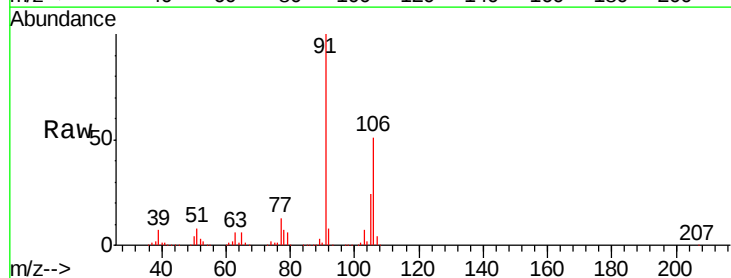
Manual Integrations  
APPROVED

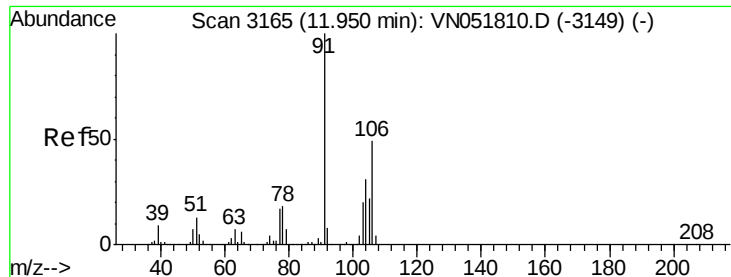
MMDadoda  
10/15/2018 11:28:05 AM



#68  
m/p-Xylenes  
Concen: 39.06 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Tgt Ion: 106 Resp: 575647  
Ion Ratio Lower Upper  
106 100  
91 195.9 161.0 241.6





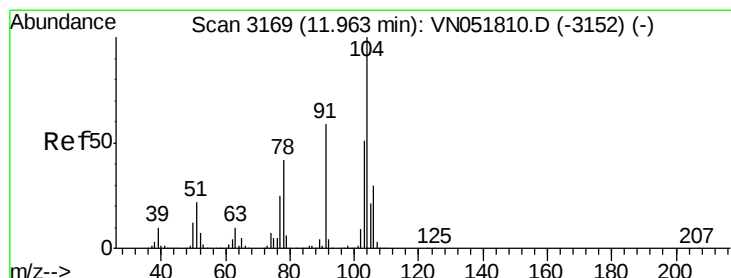
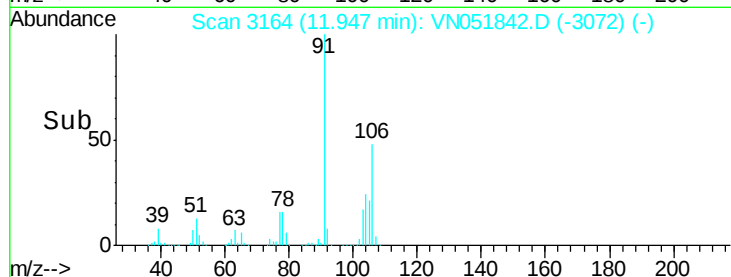
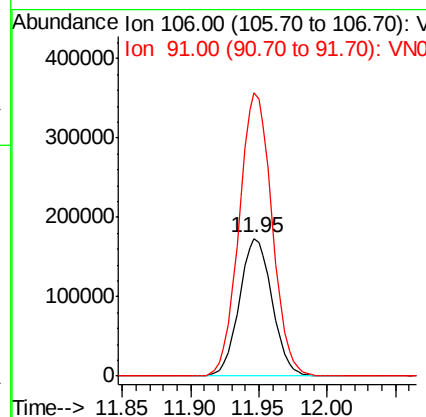
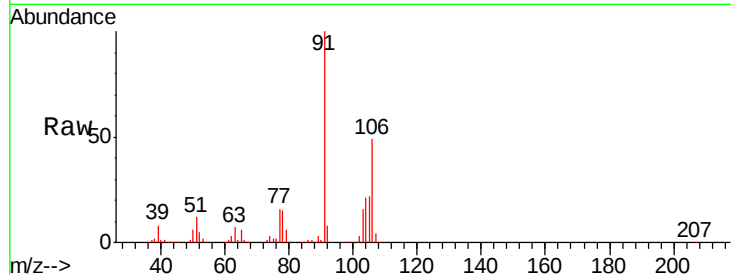
#69  
o-Xylene  
Concen: 20.23 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD02

Tgt Ion:106 Resp: 289495  
Ion Ratio Lower Upper  
106 100  
91 206.8 106.5 319.5

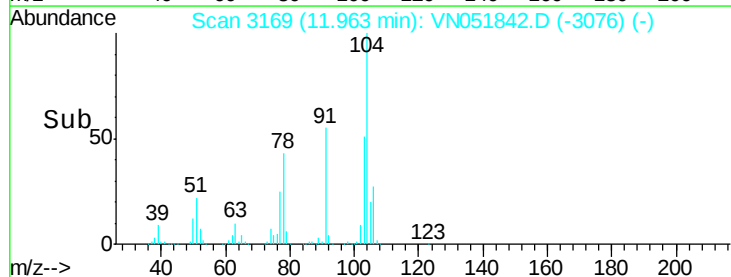
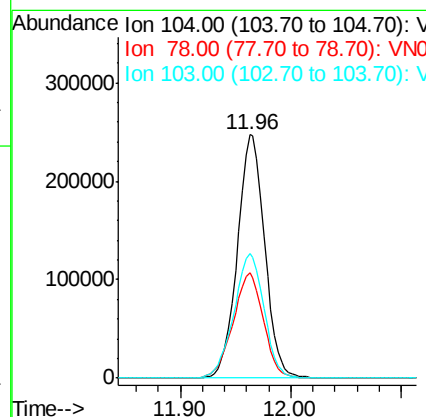
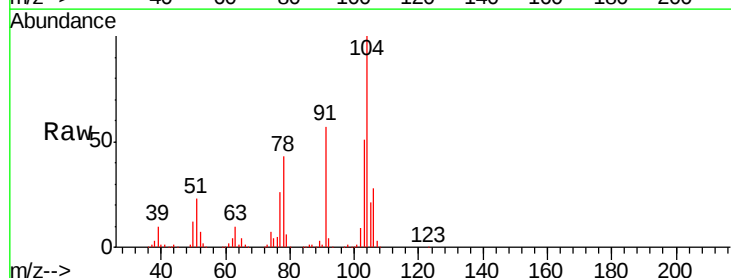
Manual Integrations  
APPROVED

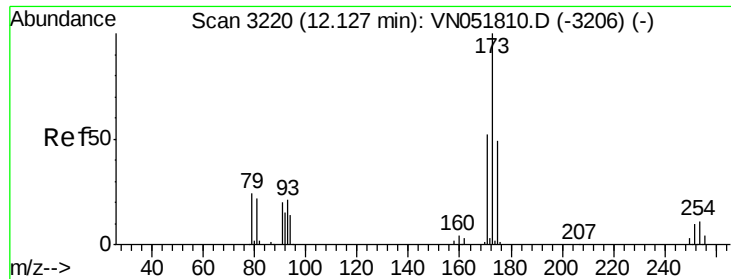
MMDadoda  
10/15/2018 11:28:05 AM



#70  
Styrene  
Concen: 19.23 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Tgt Ion:104 Resp: 424582  
Ion Ratio Lower Upper  
104 100  
78 48.0 38.2 57.4  
103 56.4 44.4 66.6





#71

Bromoform

Concen: 16.53 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD02

Tgt Ion:173 Resp: 92251

Ion Ratio Lower Upper

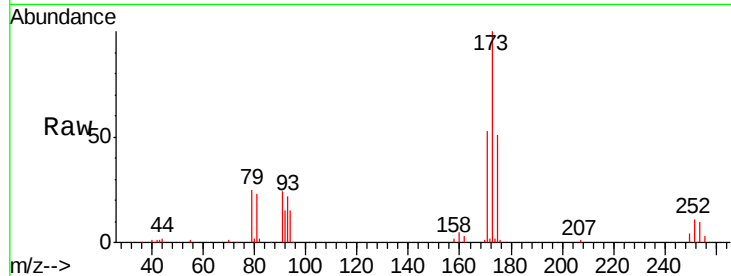
173 100

175 50.9 24.4 73.4

254 0.0 0.1 0.1#

Manual Integrations  
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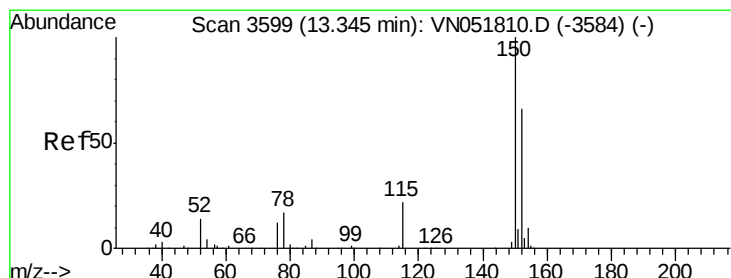
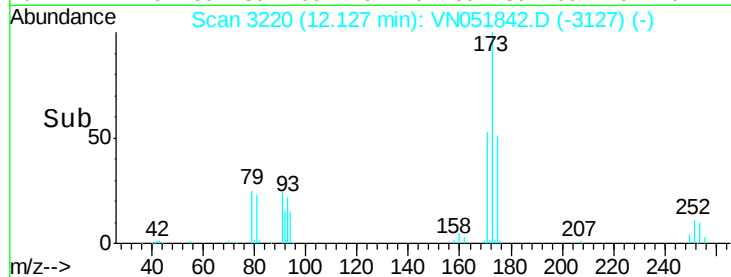
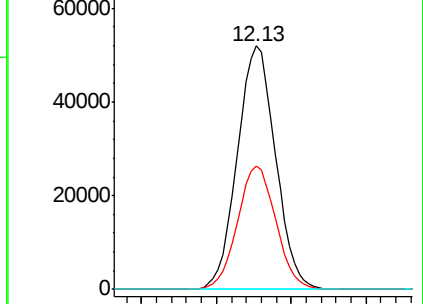
MMDadoda  
10/15/2018 11:28:05 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

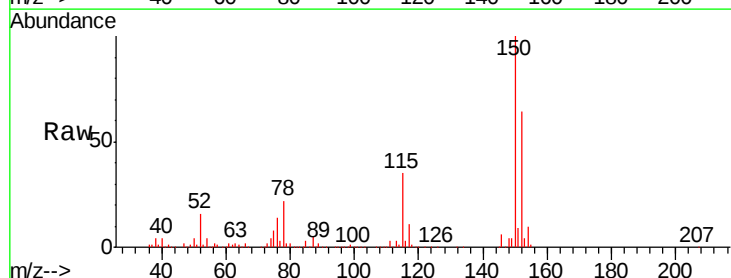
Tgt Ion:152 Resp: 466325

Ion Ratio Lower Upper

152 100

115 54.4 27.8 83.4

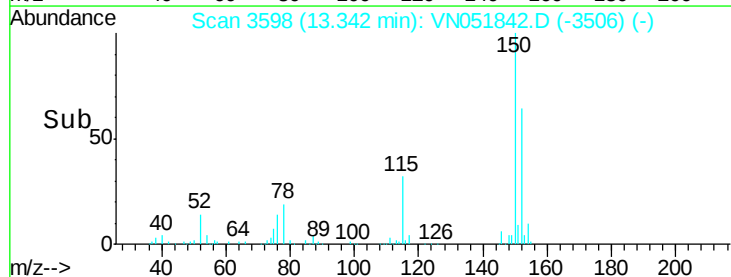
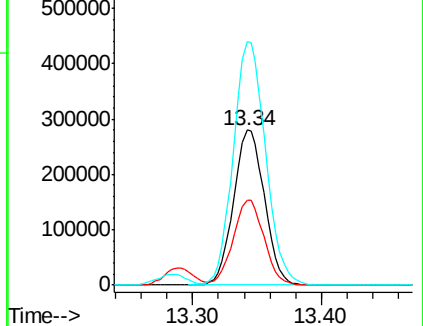
150 163.8 0.0 351.4

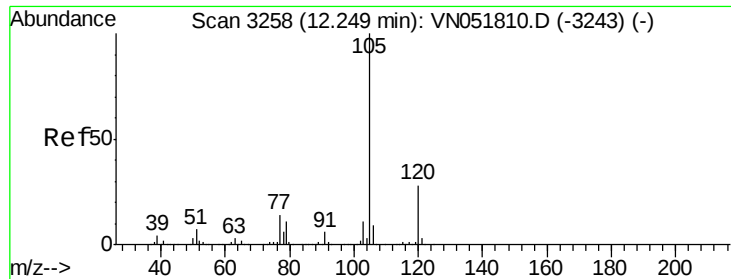


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.18 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD02

Tgt Ion: 105 Resp: 760899

Ion Ratio Lower Upper

105 100

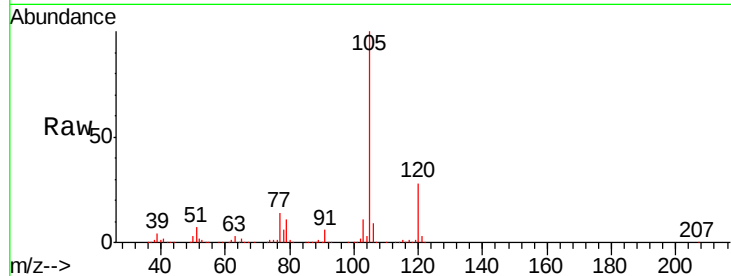
120 28.1 13.5 40.4

Manual Integrations

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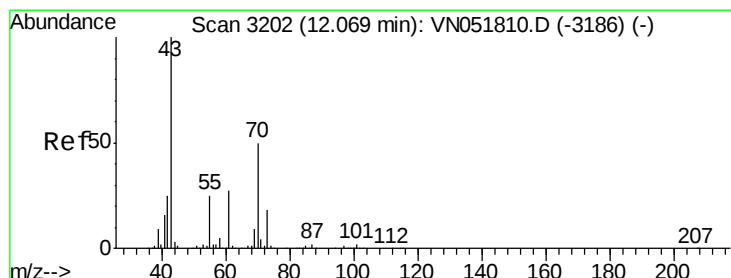
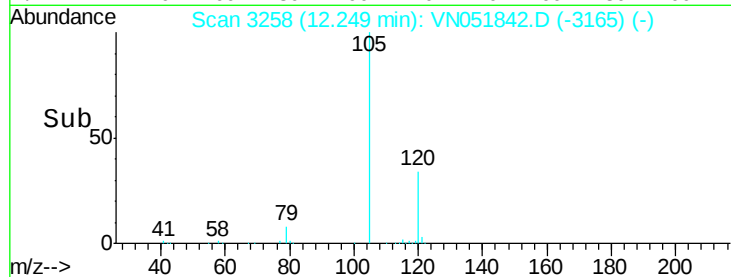
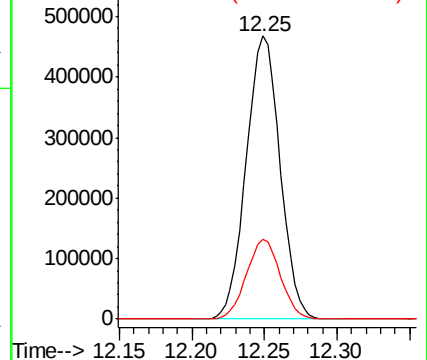
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.65 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

Tgt Ion: 43 Resp: 125740

Ion Ratio Lower Upper

43 100

70 49.6 36.2 54.2

55 25.8 21.8 32.8

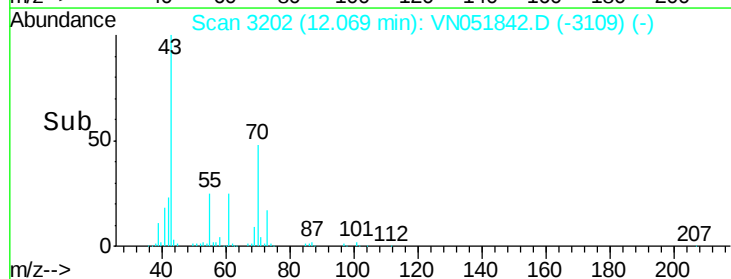
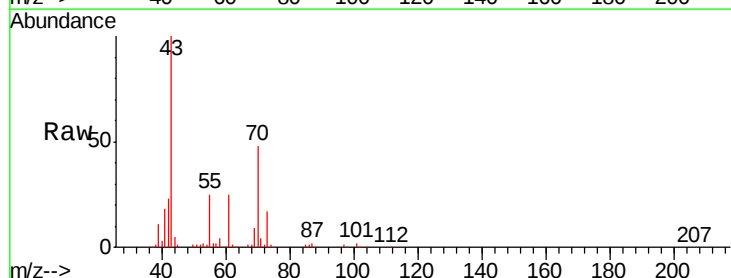
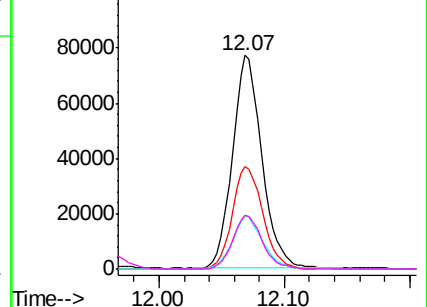
61 25.2 20.5 30.7

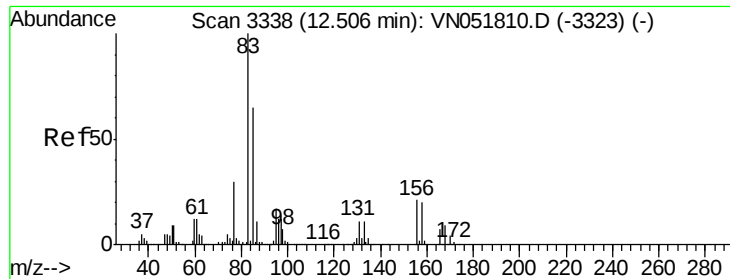
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.42 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

Instrument :

MSVOA\_N

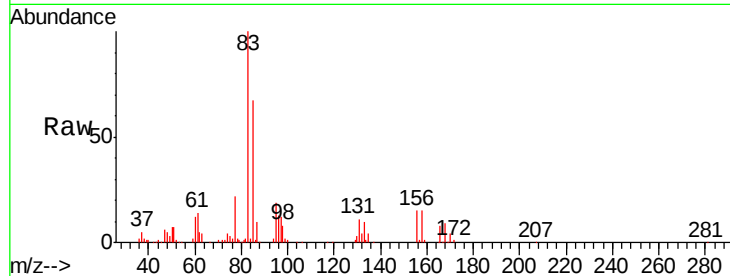
ClientSampleId :

VN1012WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 153306 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 11.4  | 5.3   | 15.9   |
| 85        | 64.6  | 31.9  | 95.7   |

Manual Integrations  
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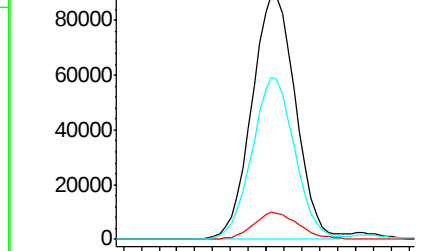
MMDadoda  
10/15/2018 11:28:05 AM



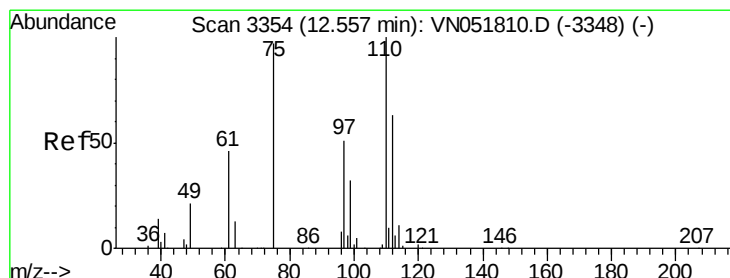
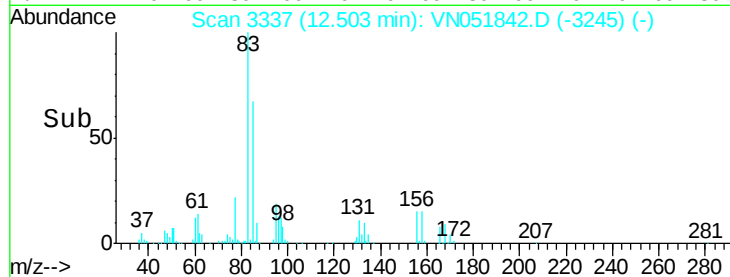
Abundance Ion 82.90 (82.60 to 83.60): VN051810.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN051810.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN051810.D (-3323) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 23.73 ug/l m

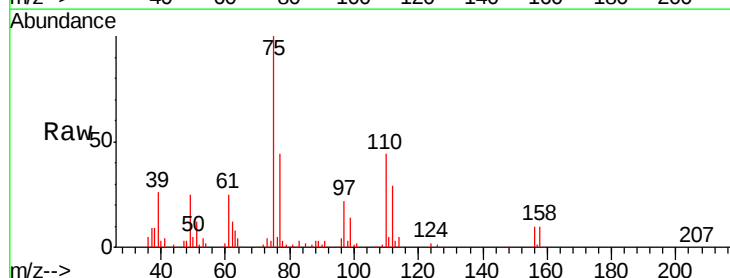
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051842.D

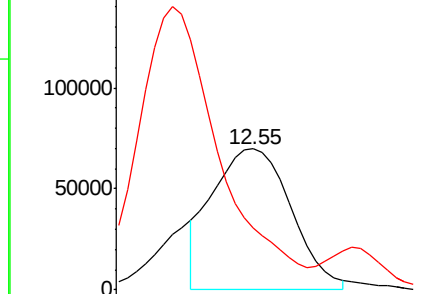
Acq: 12 Oct 2018 19:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 137848 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |

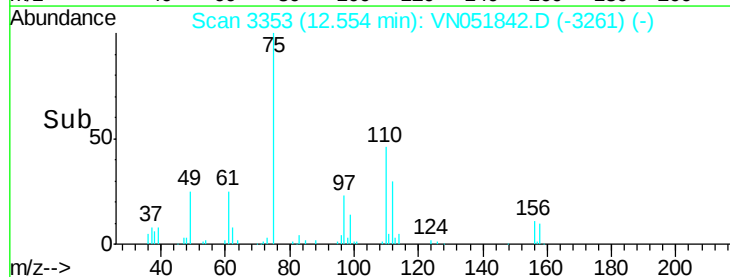


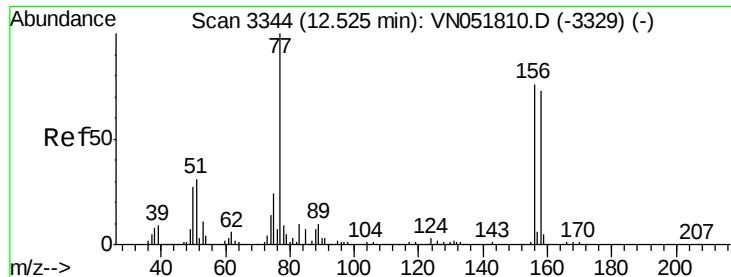
Abundance Ion 74.90 (74.60 to 75.60): VN051810.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051810.D (-3348) (-)



Time-->





#77

Bromobenzene

Concen: 20.83 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

Instrument :

MSVOA\_N

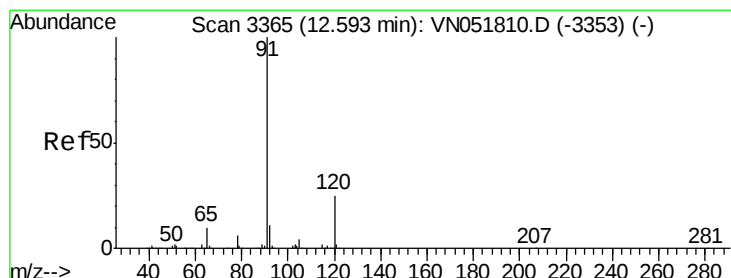
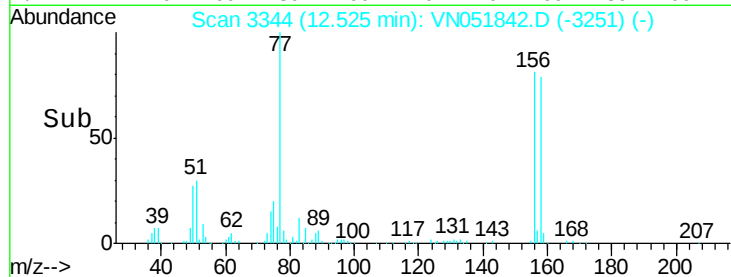
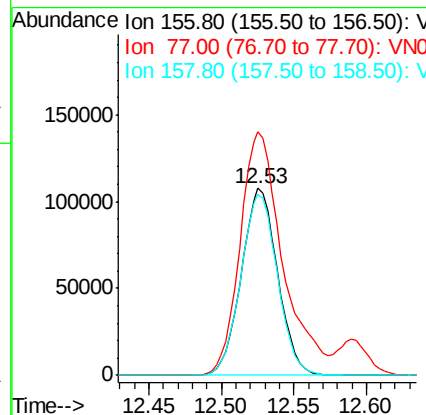
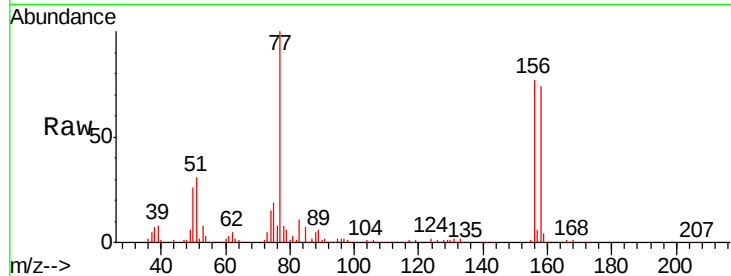
ClientSampleId :

VN1012WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 156   | Resp: | 186649 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 153.3 | 89.9  | 269.7  |
| 158       | 97.9  | 49.3  | 147.9  |

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#78

n-propylbenzene

Concen: 21.31 ug/l

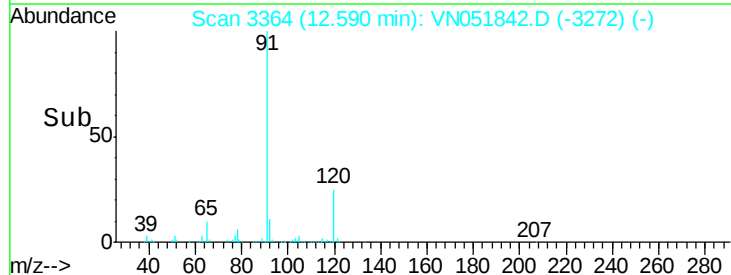
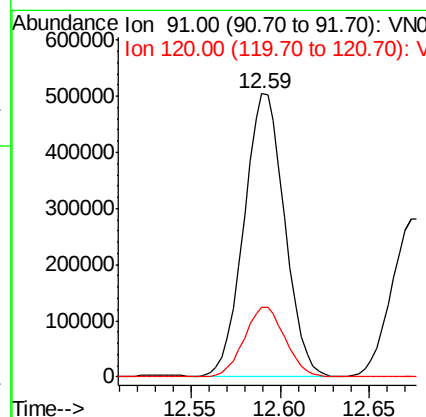
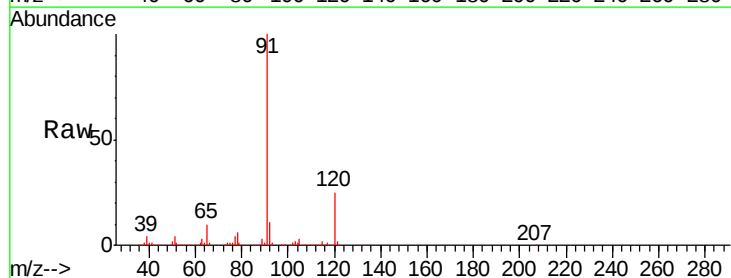
RT: 12.59 min Scan# 3364

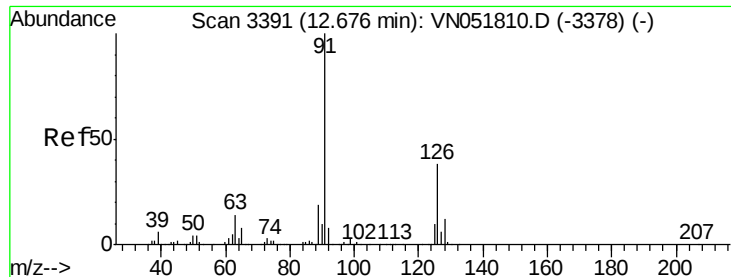
Delta R.T. -0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 802012 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 24.9  | 11.7  | 35.0   |





#79

2-Chlorotoluene

Concen: 21.01 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

Instrument :

MSVOA\_N

ClientSampleId :

VN1012WBSD02

Tgt Ion: 91 Resp: 476266

Ion Ratio Lower Upper

91 100

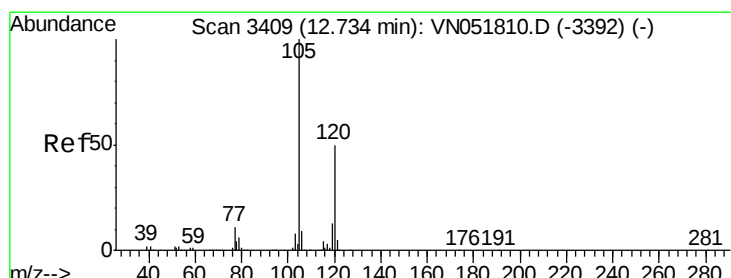
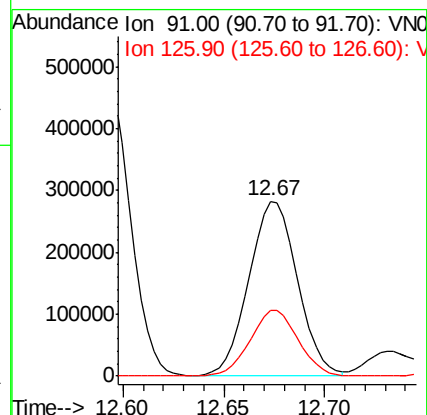
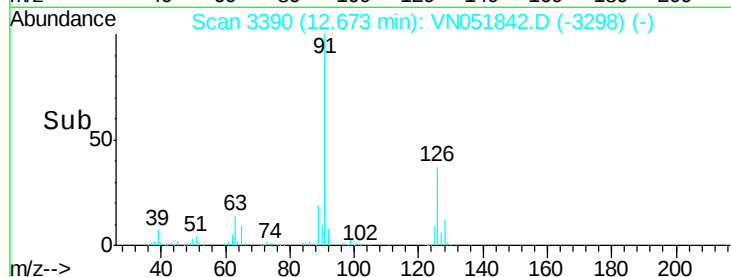
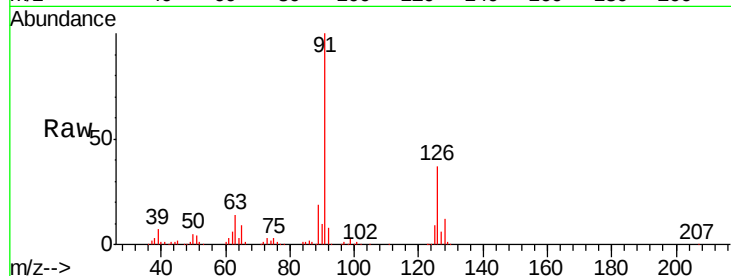
126 37.4 17.8 53.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.55 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051842.D

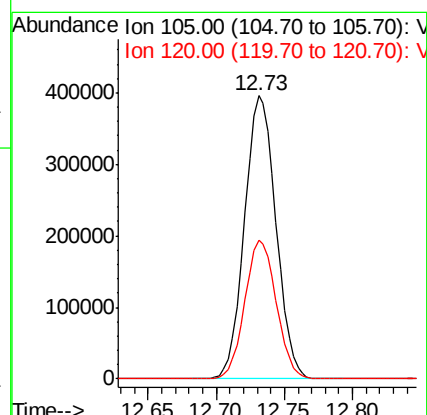
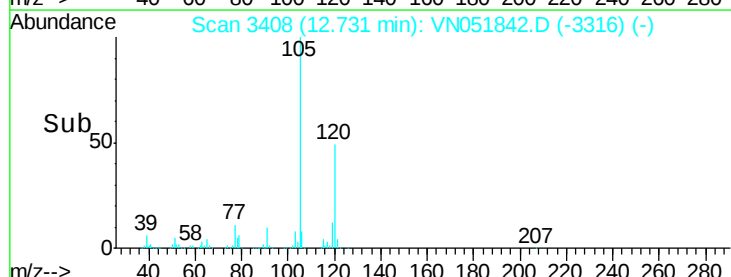
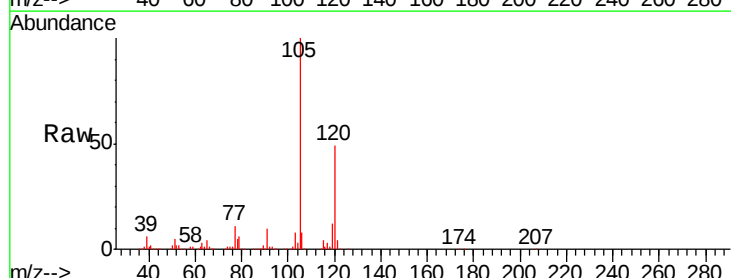
Acq: 12 Oct 2018 19:56

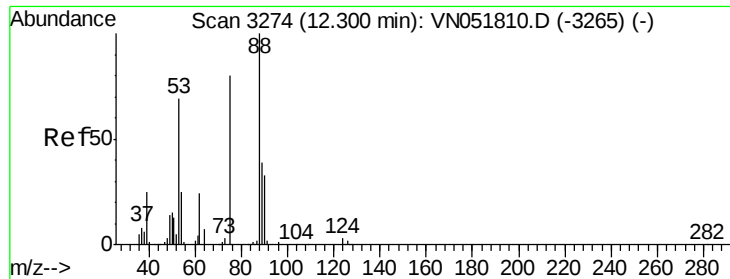
Tgt Ion: 105 Resp: 630949

Ion Ratio Lower Upper

105 100

120 49.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 14.93 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

Instrument :

MSVOA\_N

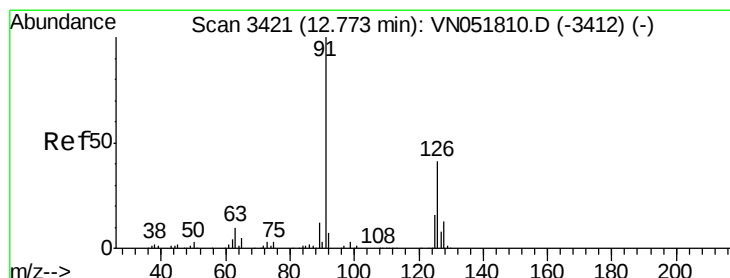
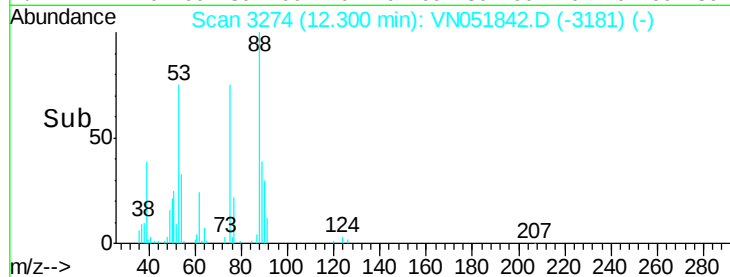
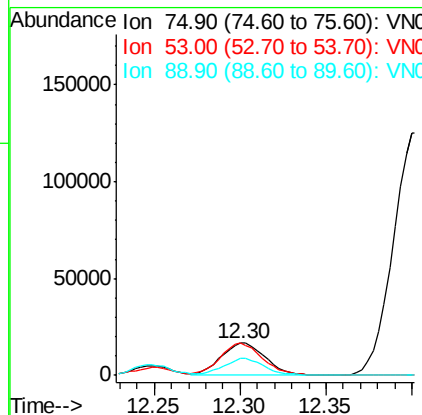
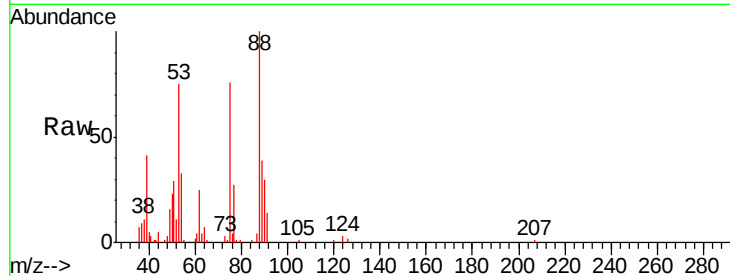
ClientSampleId :

VN1012WBSD02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 30237 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 94.9  | 68.9  | 103.3 |
| 89       | 48.0  | 36.1  | 54.1  |

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#82

4-Chlorotoluene

Concen: 20.97 ug/l

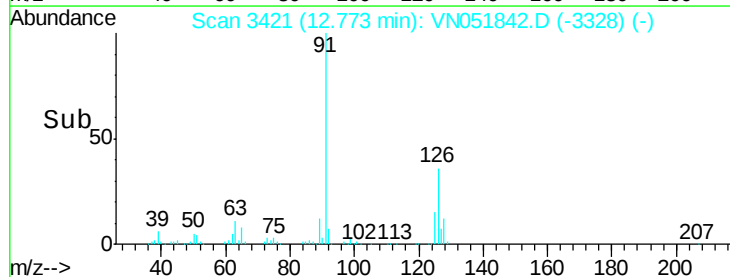
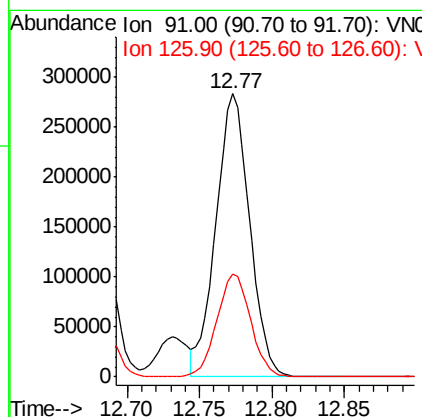
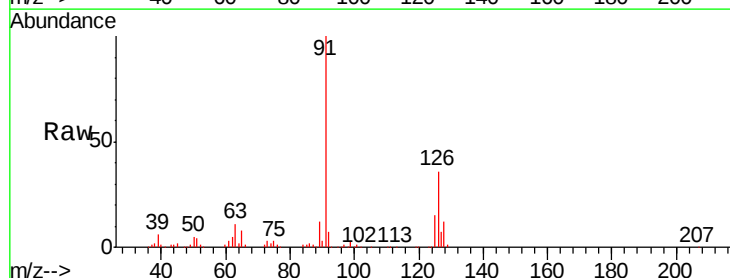
RT: 12.77 min Scan# 3421

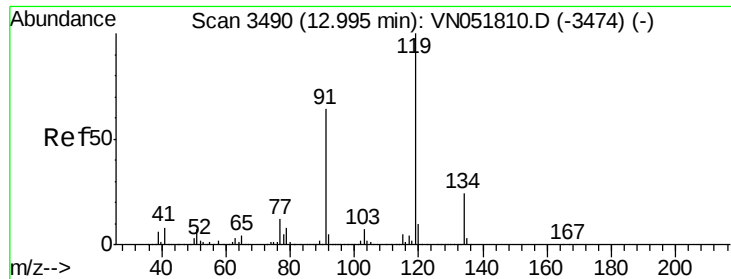
Delta R.T. 0.00 min

Lab File: VN051842.D

Acq: 12 Oct 2018 19:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 456730 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 36.3  | 17.5  | 52.5   |





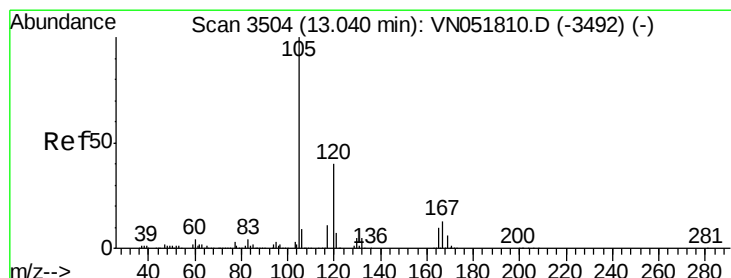
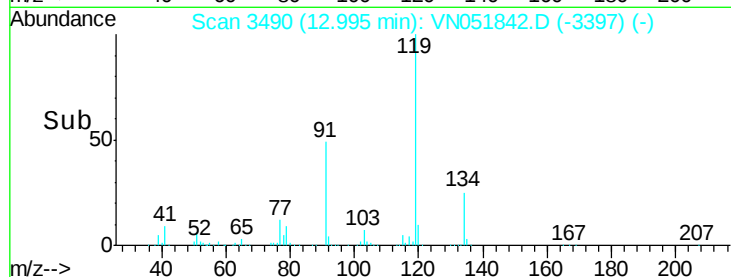
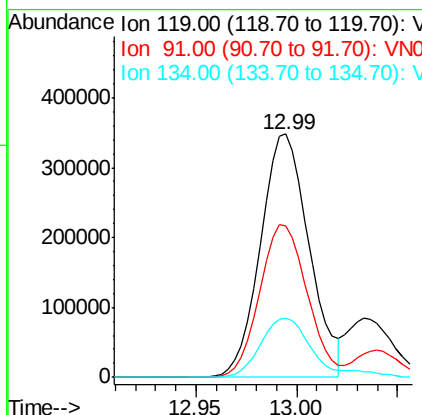
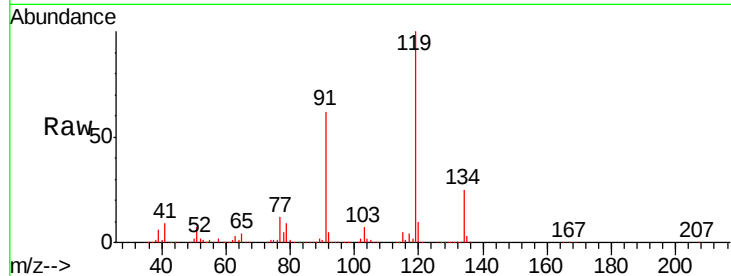
#83  
 tert-Butylbenzene  
 Concen: 21.53 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. 0.00 min  
 Lab File: VN051842.D  
 Acq: 12 Oct 2018 19:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1012WBSD02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 584738 |       |       |
| 91      | 62.0  | 31.6   | 94.7  |       |
| 134     | 26.4  | 13.4   | 40.1  |       |

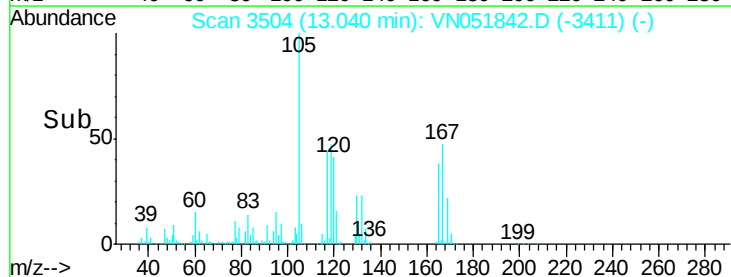
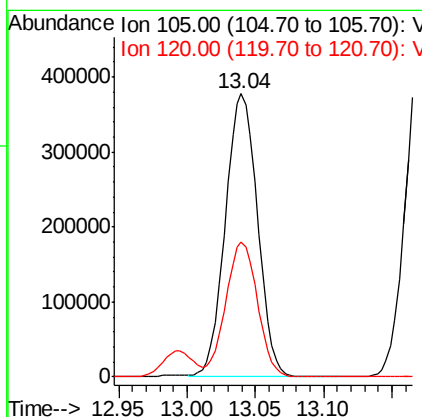
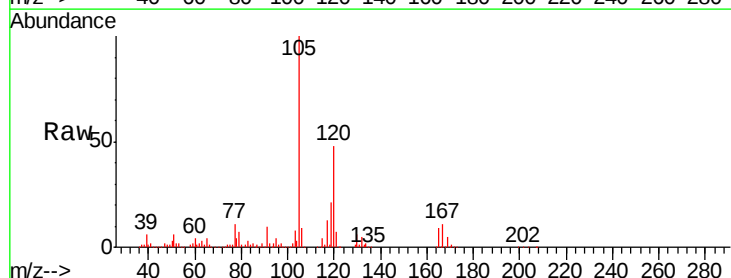
Manual Integrations  
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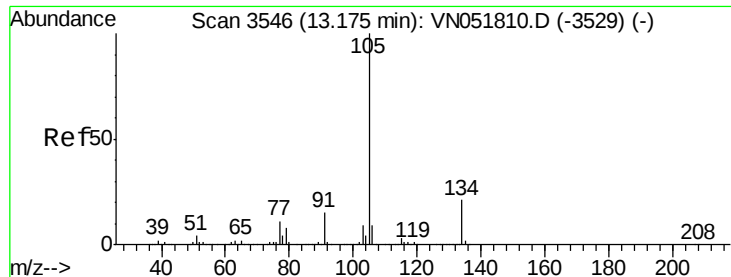
MMDadoda  
 10/15/2018 11:28:05 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.20 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN051842.D  
 Acq: 12 Oct 2018 19:56

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 617943 |       |       |
| 120     | 47.1  | 22.9   | 68.8  |       |





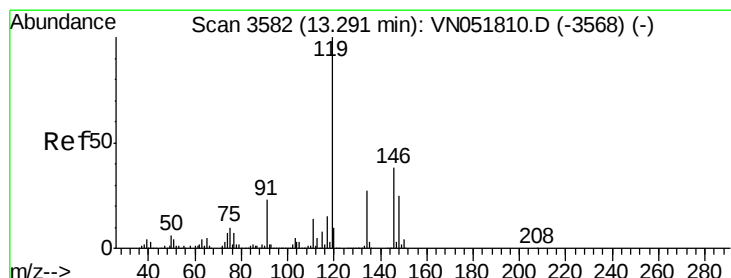
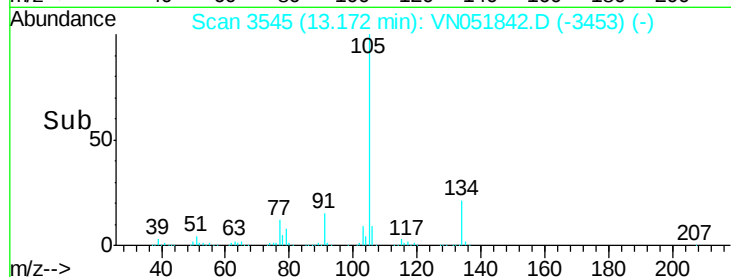
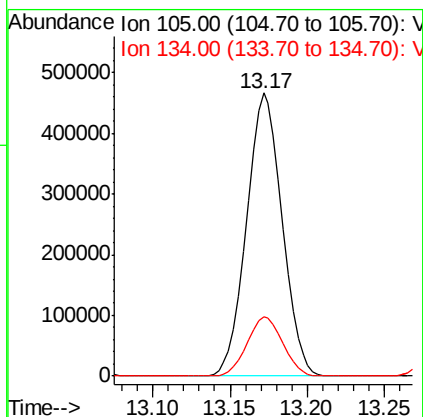
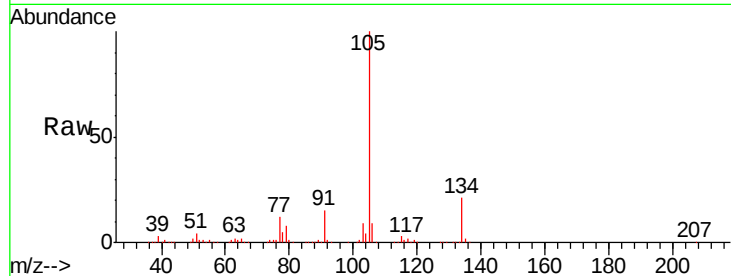
#85  
 sec-Butylbenzene  
 Concen: 21.19 ug/l  
 RT: 13.17 min Scan# 3545  
 Delta R.T. -0.00 min  
 Lab File: VN051842.D  
 Acq: 12 Oct 2018 19:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1012WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 21.0  | 10.3  | 30.8  |

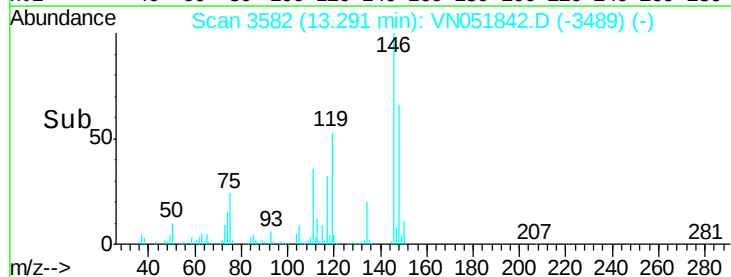
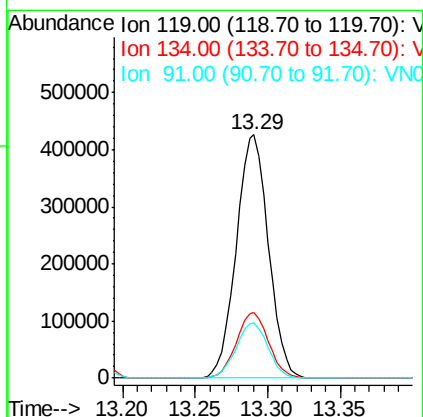
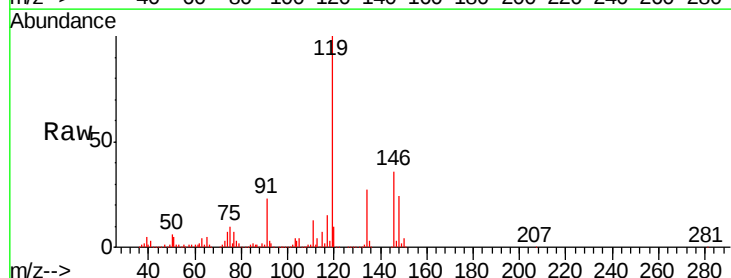
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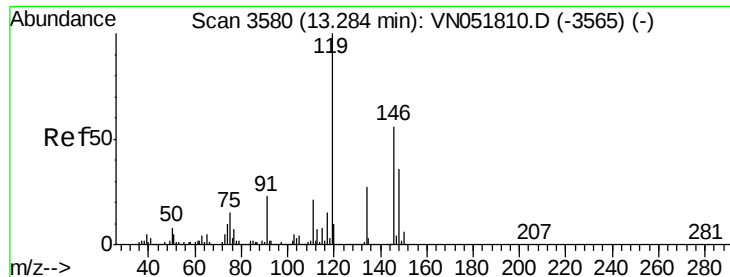
MMDadoda  
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#86  
 p-Isopropyltoluene  
 Concen: 21.11 ug/l  
 RT: 13.29 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN051842.D  
 Acq: 12 Oct 2018 19:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 27.0  | 13.7  | 41.0  |
| 91      | 22.8  | 11.2  | 33.5  |





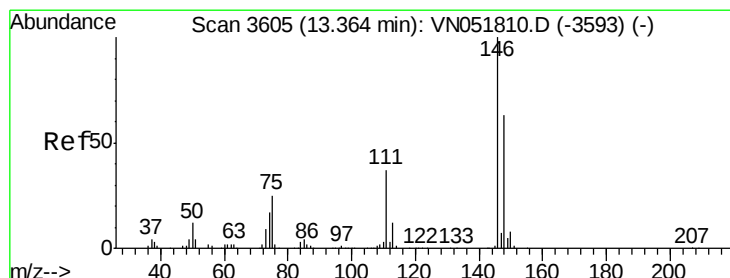
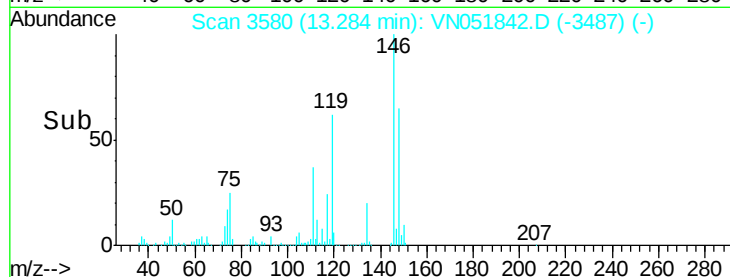
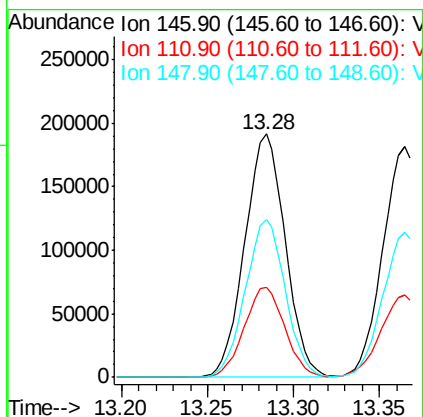
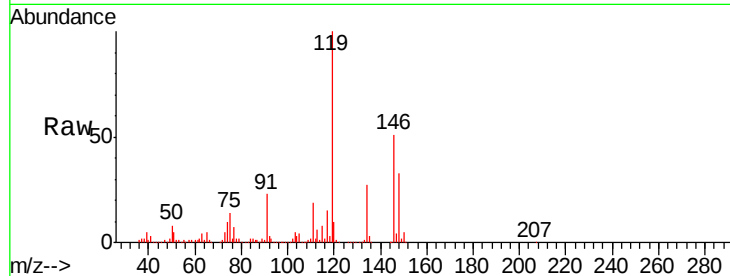
#87  
 1,3-Dichlorobenzene  
 Concen: 20.41 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN051842.D  
 Acq: 12 Oct 2018 19:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1012WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.1  | 19.1  | 57.3  |
| 148     | 64.2  | 32.2  | 96.6  |

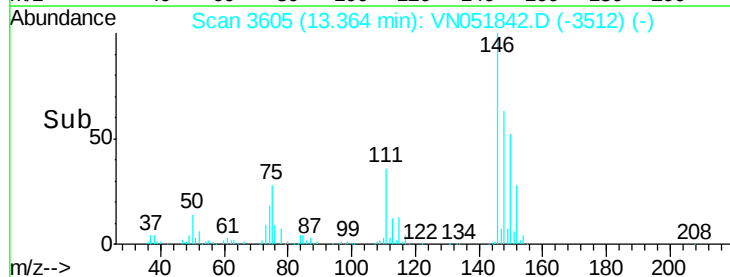
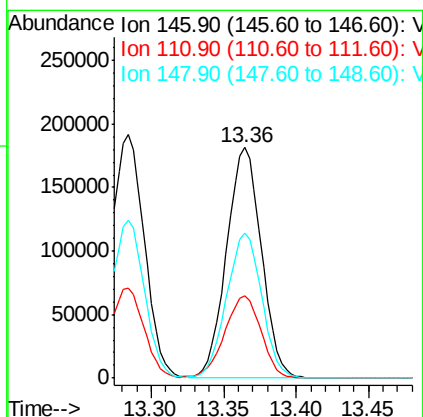
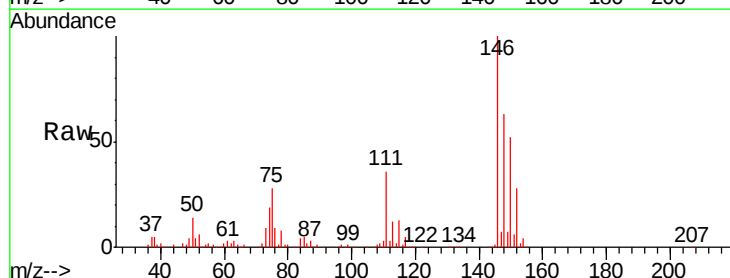
Manual Integrations  
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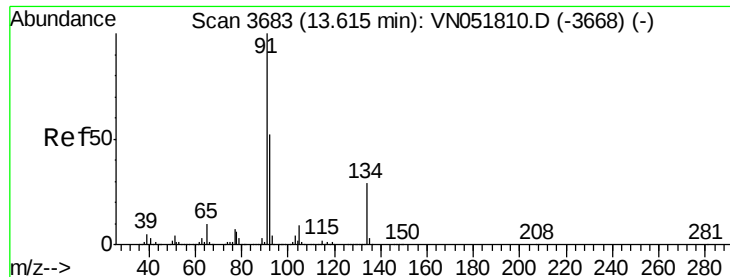
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 20.38 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN051842.D  
 Acq: 12 Oct 2018 19:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.4  | 18.8  | 56.3  |
| 148     | 63.4  | 32.2  | 96.6  |





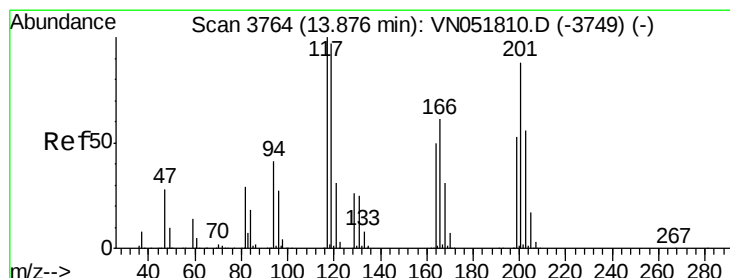
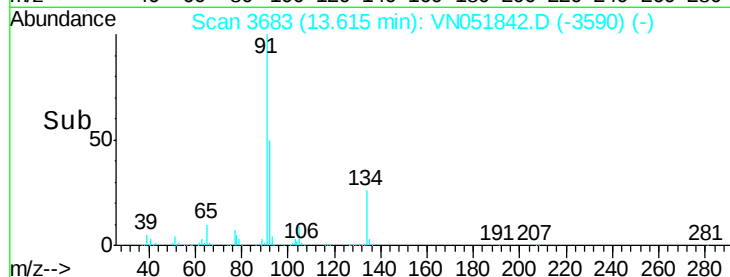
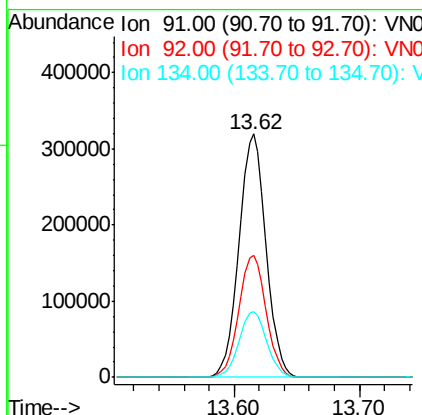
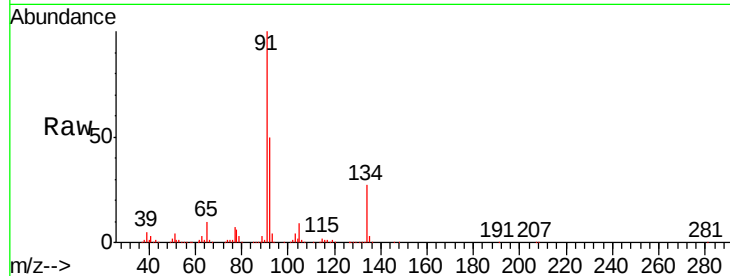
#89  
n-Butylbenzene  
Concen: 20.72 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 50.8  | 26.1  | 78.2  |
| 134     | 27.8  | 13.2  | 39.6  |

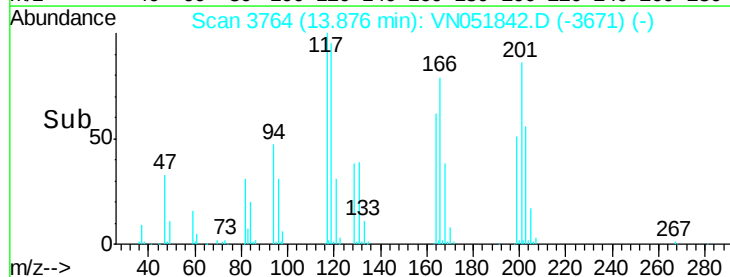
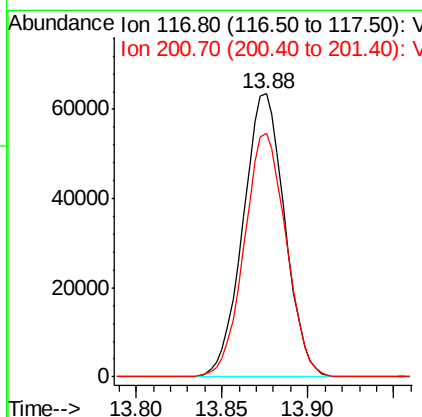
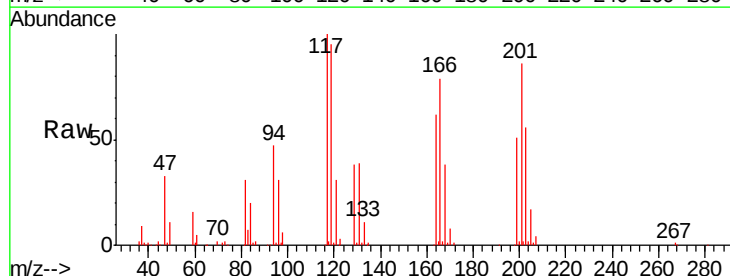
Manual Integrations  
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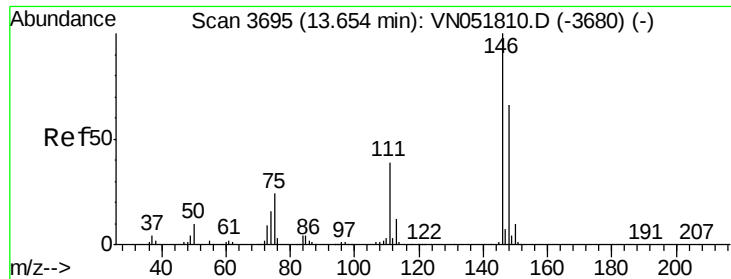
MMDadoda  
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#90  
Hexachloroethane  
Concen: 18.99 ug/l  
RT: 13.88 min Scan# 3764  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 86.5  | 46.0  | 137.8 |





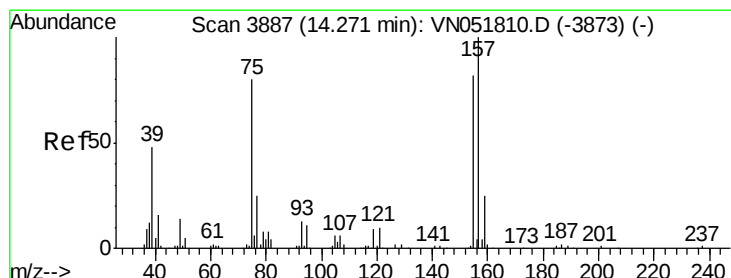
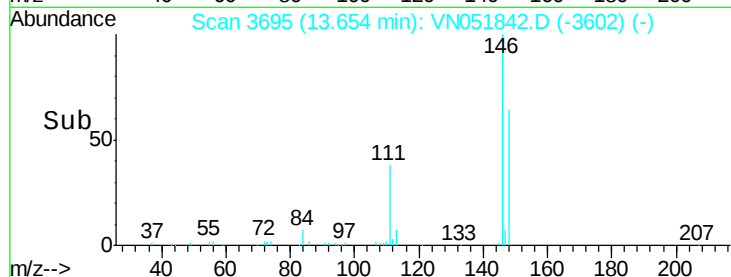
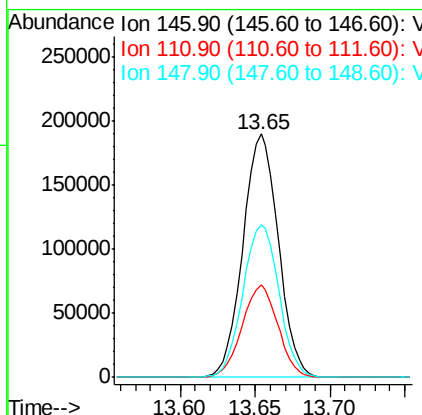
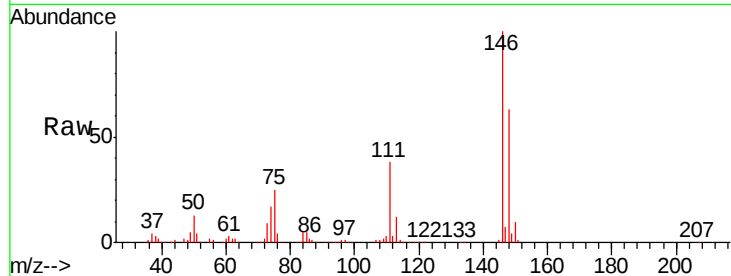
#91  
 1,2-Dichlorobenzene  
 Concen: 21.22 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN051842.D  
 Acq: 12 Oct 2018 19:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1012WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.4  | 19.8  | 59.3  |
| 148     | 63.7  | 32.3  | 96.8  |

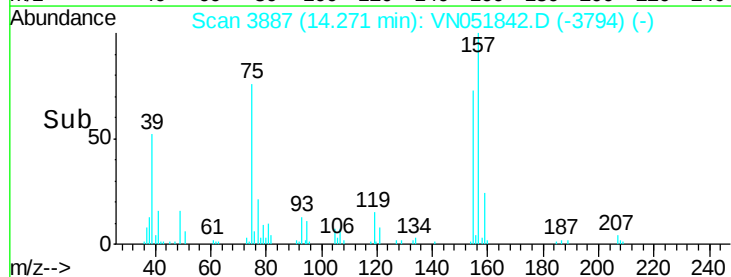
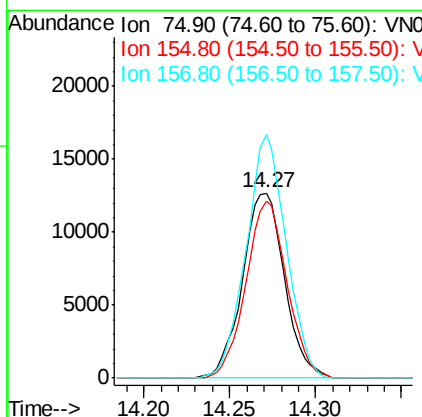
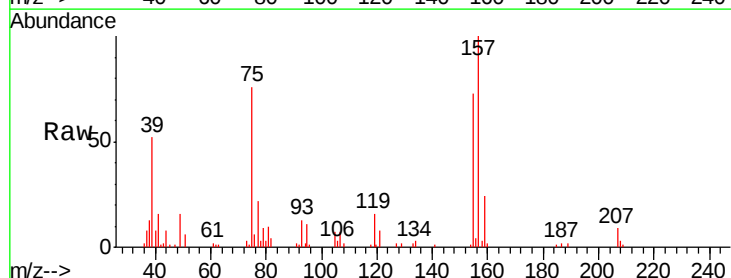
Manual Integrations  
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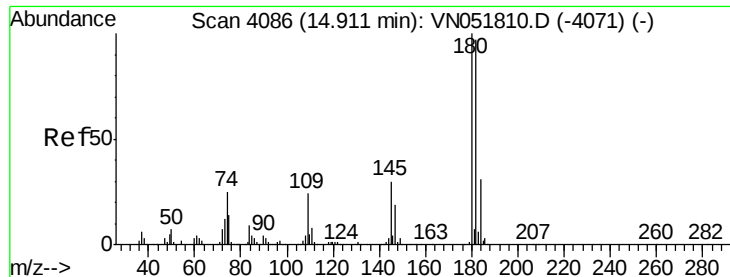
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.58 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. 0.00 min  
 Lab File: VN051842.D  
 Acq: 12 Oct 2018 19:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 92.8  | 46.4  | 139.1 |
| 157     | 125.3 | 60.7  | 182.0 |





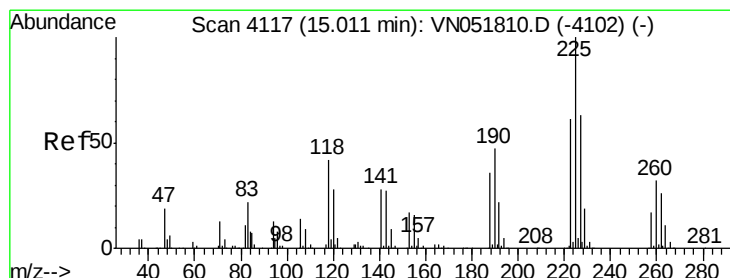
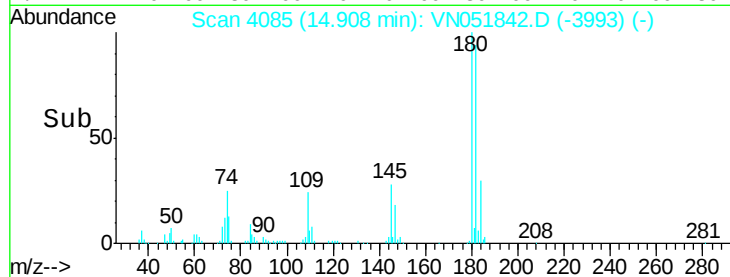
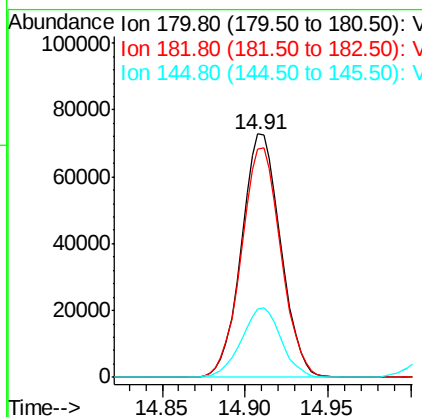
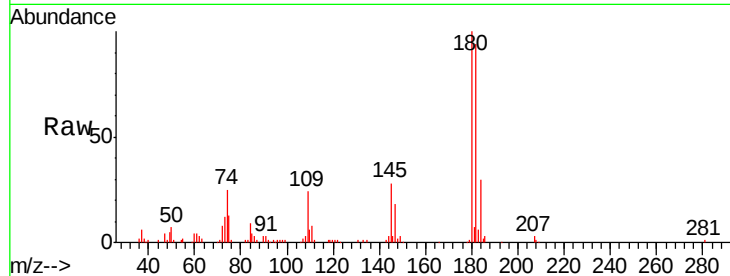
#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.80 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. -0.00 min  
 Lab File: VN051842.D  
 Acq: 12 Oct 2018 19:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1012WBSD02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 119349 |       |       |
| 182     | 95.5  | 48.2   | 144.6 |       |
| 145     | 29.1  | 14.1   | 42.2  |       |

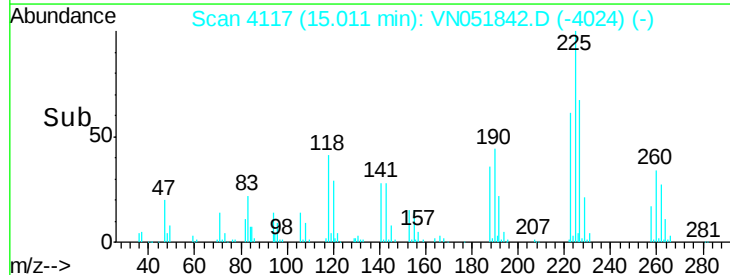
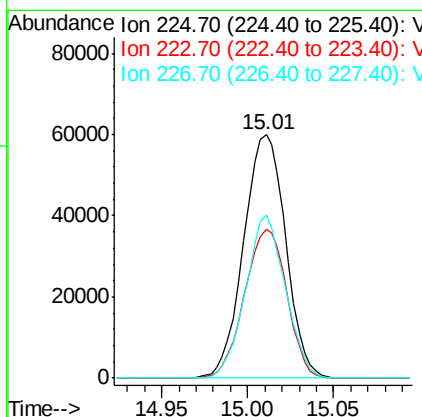
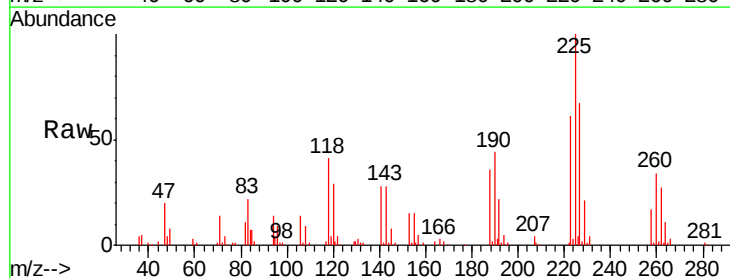
Manual Integrations  
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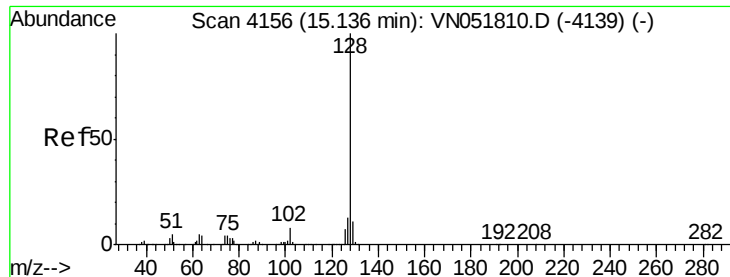
MMDadoda  
 10/15/2018 11:28:05 AM



#94  
 Hexachlorobutadiene  
 Concen: 21.20 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN051842.D  
 Acq: 12 Oct 2018 19:56

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 101453 |       |       |
| 223     | 61.5  | 31.3   | 93.8  |       |
| 227     | 63.4  | 32.0   | 96.2  |       |





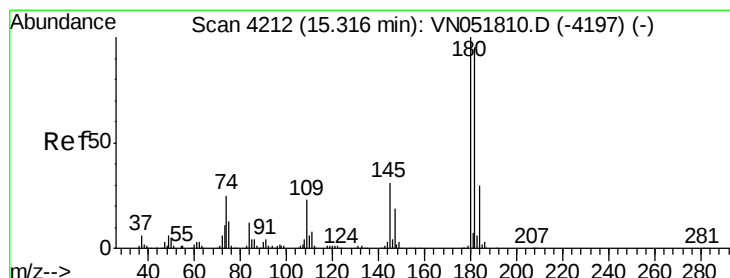
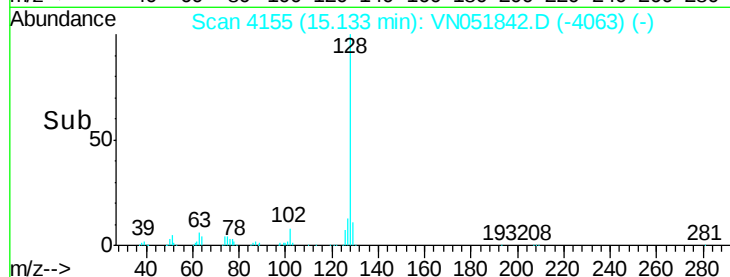
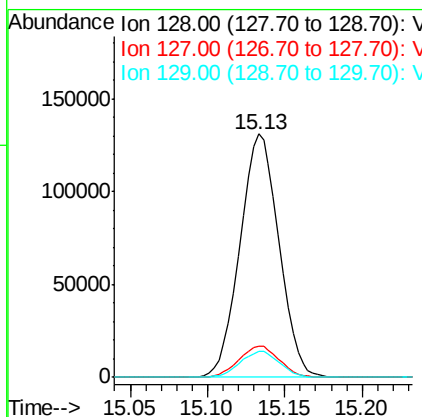
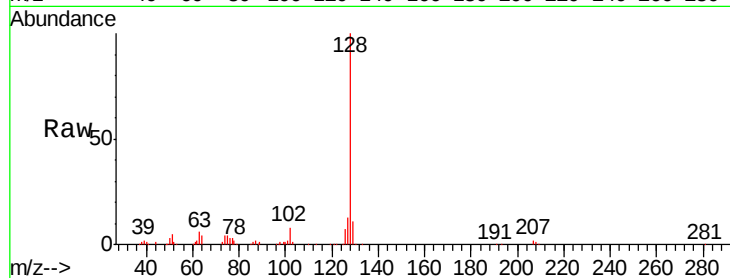
#95  
Naphthalene  
Concen: 16.58 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. -0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1012WBSD02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 229462 |       |       |
| 127     | 13.4  | 10.5   | 15.7  |       |
| 129     | 10.8  | 8.7    | 13.1  |       |

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#96  
1,2,3-Trichlorobenzene  
Concen: 18.67 ug/l  
RT: 15.32 min Scan# 4212  
Delta R.T. 0.00 min  
Lab File: VN051842.D  
Acq: 12 Oct 2018 19:56

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 127291 |       |       |
| 182     | 93.1  | 48.0   | 144.2 |       |
| 145     | 30.4  | 15.2   | 45.6  |       |

