

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\  
 Data File : VN050916.D  
 Acq On : 28 Aug 2018 16:10  
 Operator : MD\SY  
 Sample : VN0828WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0828WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 8/29/2018 11:10:20 AM

Quant Time: Aug 28 16:31:13 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue Aug 28 14:02:24 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.20  | 128  | 119711   | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 637345   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 546009   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.03   | 65    | 231209   | 30.27    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 100.90% |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 240822   | 29.66    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 98.87%  |
| 63) Toluene-d8            | 10.09  | 98    | 799642   | 31.40    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 104.67% |

## Target Compounds

|                               |      |     |        |        |        | Ovalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 159923 | 21.51  | ug/l   | 97     |
| 3) Chloromethane              | 2.06 | 50  | 174924 | 19.93  | ug/l   | 98     |
| 4) Vinyl Chloride             | 2.18 | 62  | 175742 | 20.26  | ug/l   | 96     |
| 5) Bromomethane               | 2.56 | 94  | 95284  | 18.02  | ug/l   | 94     |
| 6) Chloroethane               | 2.70 | 64  | 101318 | 19.80  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 234527 | 20.40  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 83186  | 20.52  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 147711 | 20.74  | ug/l   | 100    |
| 10) 1,1-Dichloroethene        | 3.73 | 96  | 131084 | 20.27  | ug/l   | 92     |
| 11) Methyl Iodide             | 3.95 | 142 | 110262 | 18.27  | ug/l   | 99     |
| 12) Methyl Acetate            | 4.33 | 43  | 156896 | 20.98  | ug/l   | 95     |
| 13) Acrolein                  | 3.61 | 56  | 14470  | 87.37  | ug/l   | 89     |
| 14) Acrylonitrile             | 5.00 | 53  | 250753 | 99.15  | ug/l   | 98     |
| 15) Acetone                   | 3.82 | 58  | 65678  | 101.49 | ug/l   | 94     |
| 16) Carbon Disulfide          | 4.05 | 76  | 382691 | 19.68  | ug/l   | 99     |
| 17) Allyl chloride            | 4.32 | 41  | 200228 | 19.67  | ug/l   | 95     |
| 18) Methylene Chloride        | 4.55 | 84  | 153169 | 20.17  | ug/l   | 94     |
| 19) trans-1,2-Dichloroethene  | 5.04 | 96  | 140793 | 20.43  | ug/l   | 95     |
| 20) Diisopropyl ether         | 5.96 | 45  | 439935 | 20.82  | ug/l   | 99     |
| 21) 1,1-Dichloroethane        | 5.85 | 63  | 260897 | 20.14  | ug/l   | 99     |
| 22) cis-1,2-Dichloroethene    | 6.83 | 96  | 154716 | 19.87  | ug/l   | 98     |
| 23) tert-Butyl Alcohol        | 4.80 | 59  | 55999  | 104.12 | ug/l # | 100    |
| 24) Methyl tert-Butyl Ether   | 5.05 | 73  | 363331 | 20.54  | ug/l   | 98     |
| 25) Chloroform                | 7.37 | 83  | 264193 | 20.43  | ug/l   | 100    |
| 26) Cyclohexane               | 7.65 | 56  | 215533 | 20.08  | ug/l # | 98     |
| 29) 1,1-Dichloropropene       | 7.80 | 75  | 189889 | 19.90  | ug/l   | 100    |
| 30) 2-Butanone                | 6.84 | 43  | 283007 | 96.41  | ug/l   | 98     |
| 31) 2,2-Dichloropropane       | 6.83 | 77  | 195702 | 21.08  | ug/l   | 99     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 219788 | 20.31  | ug/l   | 98     |
| 33) Carbon Tetrachloride      | 7.78 | 117 | 195499 | 20.06  | ug/l   | 98     |
| 34) Benzene                   | 8.04 | 78  | 600389 | 20.34  | ug/l   | 99     |
| 35) Methacrylonitrile         | 7.18 | 41  | 68982  | 21.45  | ug/l   | 93     |
| 36) 1,2-Dichloroethane        | 8.13 | 62  | 183554 | 20.56  | ug/l   | 99     |
| 37) Trichloroethene           | 8.84 | 130 | 154236 | 19.99  | ug/l   | 99     |
| 38) Methylcyclohexane         | 9.08 | 83  | 202209 | 19.73  | ug/l   | 98     |
| 39) 1,2-Dichloropropane       | 9.12 | 63  | 159382 | 20.67  | ug/l   | 99     |
| 40) Dibromomethane            | 9.21 | 93  | 94546  | 20.36  | ug/l   | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\  
 Data File : VN050916.D  
 Acq On : 28 Aug 2018 16:10  
 Operator : MD\SY  
 Sample : VN0828WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0828WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 8/29/2018 11:10:20 AM

Quant Time: Aug 28 16:31:13 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue Aug 28 14:02:24 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 41) Bromodichloromethane       | 9.40  | 83   | 197486   | 20.17  | ug/l   | 97       |
| 42) Vinyl Acetate              | 5.90  | 43   | 1356269  | 100.31 | ug/l   | 100      |
| 43) Ethyl Acetate              | 6.94  | 43   | 130849   | 21.76  | ug/l # | 91       |
| 44) Isopropyl Acetate          | 8.17  | 43   | 217699   | 20.52  | ug/l   | 98       |
| 45) 1,4-Dioxane                | 9.20  | 88   | 31047    | 393.89 | ug/l   | 95       |
| 46) Methyl methacrylate        | 9.20  | 41   | 110238   | 20.74  | ug/l   | 97       |
| 47) n-amyl Acetate             | 12.07 | 43   | 159590   | 18.71  | ug/l   | 97       |
| 48) t-1,3-Dichloropropene      | 10.38 | 75   | 186865   | 19.47  | ug/l   | 99       |
| 49) cis-1,3-Dichloropropene    | 9.84  | 75   | 218462   | 19.82  | ug/l   | 98       |
| 50) 1,1,2-Trichloroethane      | 10.56 | 97   | 138329   | 20.50  | ug/l   | 98       |
| 51) Ethyl methacrylate         | 10.43 | 69   | 157920   | 19.13  | ug/l   | 97       |
| 52) 1,3-Dichloropropane        | 10.71 | 76   | 226006   | 20.22  | ug/l   | 98       |
| 53) Dibromochloromethane       | 10.90 | 129  | 149575   | 19.49  | ug/l   | 99       |
| 54) 1,2-Dibromoethane          | 11.01 | 107  | 130796   | 19.60  | ug/l   | 100      |
| 55) 2-Chloroethyl vinyl ether  | 9.70  | 63   | 334999   | 97.52  | ug/l   | 100      |
| 56) Bromoform                  | 12.13 | 173  | 102740   | 18.83  | ug/l   | 98       |
| 58) 4-Methyl-2-Pentanone       | 9.99  | 43   | 640028   | 102.45 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.75 | 43   | 399158   | 97.75  | ug/l   | 99       |
| 61) Tetrachloroethene          | 10.63 | 164  | 141098   | 20.74  | ug/l   | 99       |
| 62) Toluene                    | 10.16 | 91   | 632182   | 20.75  | ug/l   | 99       |
| 64) Chlorobenzene              | 11.44 | 112  | 381079   | 20.19  | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 148511   | 20.83  | ug/l   | 100      |
| 66) Ethyl Benzene              | 11.51 | 91   | 632415   | 20.04  | ug/l   | 100      |
| 67) m/p-Xylenes                | 11.62 | 106  | 490263   | 40.38  | ug/l   | 99       |
| 68) o-Xylene                   | 11.95 | 106  | 233781   | 20.15  | ug/l   | 99       |
| 69) Styrene                    | 11.97 | 104  | 362529   | 19.66  | ug/l   | 99       |
| 70) Isopropylbenzene           | 12.25 | 105  | 620674   | 20.14  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 169873   | 20.35  | ug/l   | 97       |
| 72) 1,2,3-Trichloropropane     | 12.55 | 75   | 142781m  | 21.78  | ug/l   |          |
| 73) Bromobenzene               | 12.53 | 156  | 160954   | 19.85  | ug/l   | 100      |
| 74) n-propylbenzene            | 12.59 | 91   | 690767   | 19.82  | ug/l   | 100      |
| 75) 2-Chlorotoluene            | 12.67 | 91   | 423785   | 20.02  | ug/l   | 98       |
| 76) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 510306   | 20.26  | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene    | 12.30 | 75   | 38293    | 18.67  | ug/l   | 96       |
| 78) 4-Chlorotoluene            | 12.77 | 91   | 415195   | 19.92  | ug/l   | 99       |
| 79) tert-butylbenzene          | 12.99 | 119  | 438830   | 20.06  | ug/l   | 98       |
| 80) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 510052   | 20.31  | ug/l   | 98       |
| 81) sec-Butylbenzene           | 13.17 | 105  | 576057   | 20.13  | ug/l   | 100      |
| 82) p-Isopropyltoluene         | 13.29 | 119  | 492878   | 19.95  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene        | 13.28 | 146  | 264545   | 19.29  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene        | 13.36 | 146  | 250110   | 19.25  | ug/l   | 99       |
| 85) n-Butylbenzene             | 13.62 | 91   | 361972   | 19.20  | ug/l   | 99       |
| 86) Hexachloroethane           | 13.88 | 117  | 92118    | 19.43  | ug/l   | 99       |
| 87) 1,2-Dichlorobenzene        | 13.65 | 146  | 264958   | 19.63  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 25023    | 21.43  | ug/l   | 94       |
| 89) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 104900   | 17.46  | ug/l   | 99       |
| 90) Hexachlorobutadiene        | 15.01 | 225  | 86472    | 21.18  | ug/l   | 99       |
| 91) Naphthalene                | 15.14 | 128  | 209593   | 19.74  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 112102   | 18.59  | ug/l   | 99       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\  
Data File : VN050916.D  
Acq On : 28 Aug 2018 16:10  
Operator : MD\SY  
Sample : VN0828WBS01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0828WBS01

Manual Integrations  
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MMDadoda  
8/29/2018 11:10:20 AM

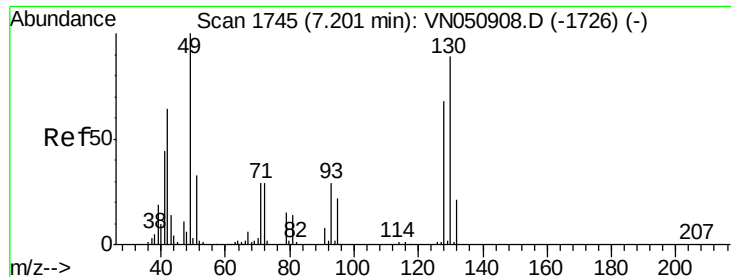
Quant Time: Aug 28 16:31:13 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Tue Aug 28 14:02:24 2018  
Response via : Initial Calibration

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

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





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

Instrument :

MSVOA\_N

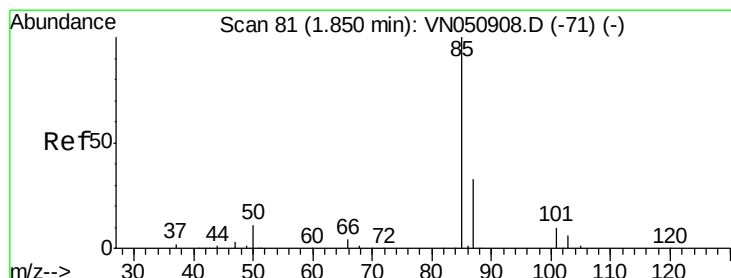
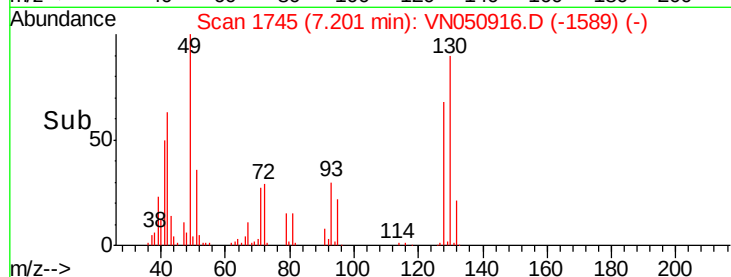
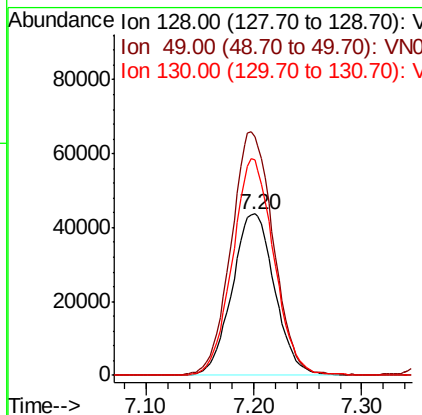
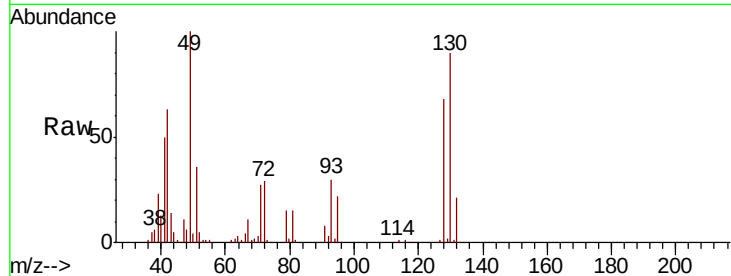
ClientSampleId :

VN0828WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 128   | Resp: | 119711 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 49       | 150.4 | 0.0   | 378.3  |
| 130      | 131.1 | 0.0   | 320.7  |

Manual Integrations  
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8/29/2018 11:10:20 AM



#2

Dichlorodifluoromethane

Concen: 21.51 ug/l

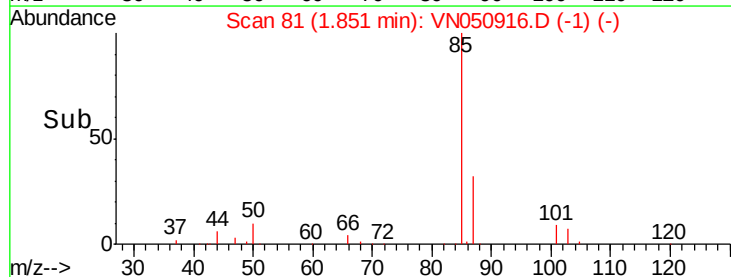
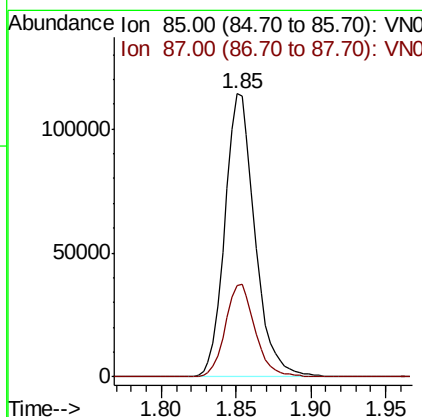
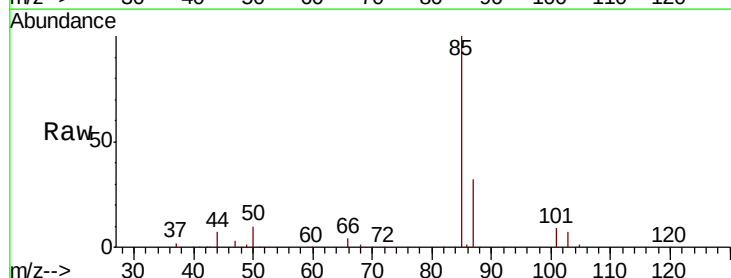
RT: 1.85 min Scan# 81

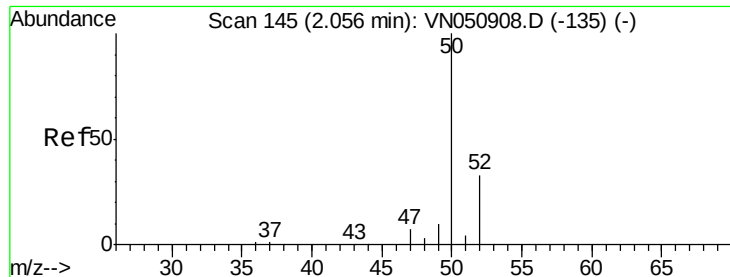
Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 85    | Resp: | 159923 |
| Ion      | Ratio | Lower | Upper  |
| 85       | 100   |       |        |
| 87       | 32.4  | 15.4  | 46.4   |





#3

Chloromethane

Concen: 19.93 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

Instrument :

MSVOA\_N

ClientSampleId :

VN0828WBS01

Tot Ion: 50 Resp: 174924

Ion Ratio Lower Upper

50 100

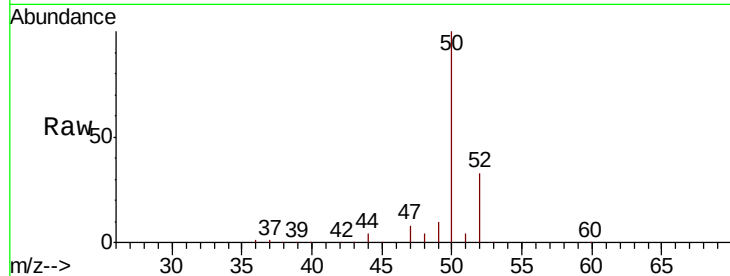
52 33.5 26.1 39.1

Manual Integrations

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8/29/2018 11:10:20 AM



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2.06

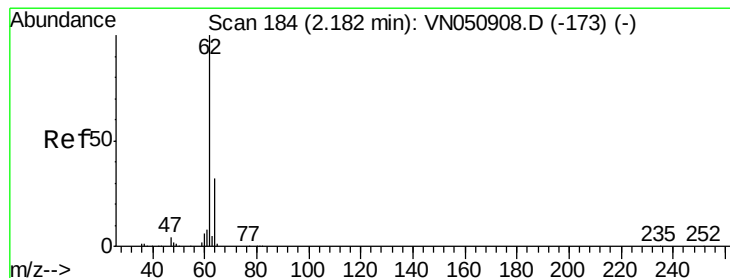
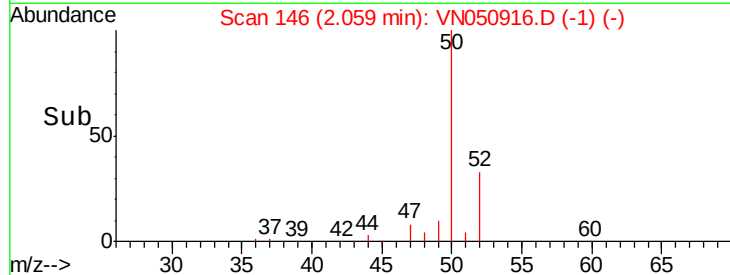
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 20.26 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050916.D

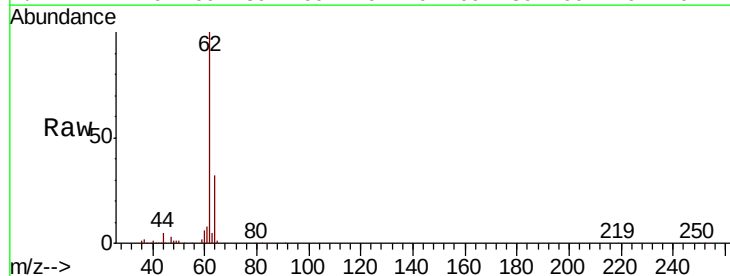
Acq: 28 Aug 2018 16:10

Tgt Ion: 62 Resp: 175742

Ion Ratio Lower Upper

62 100

64 32.5 24.4 36.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

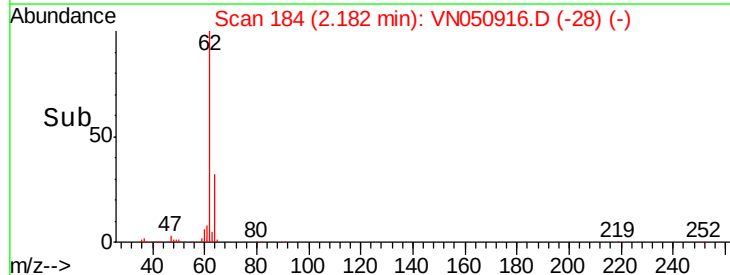
2.18

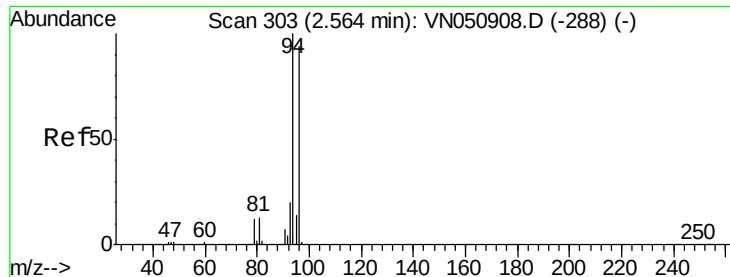
100000

50000

0

Time-->





#5

Bromomethane

Concen: 18.02 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

Instrument :

MSVOA\_N

ClientSampleId :

VN0828WBS01

Tot Ion: 94 Resp: 95284

Ion Ratio Lower Upper

94 100

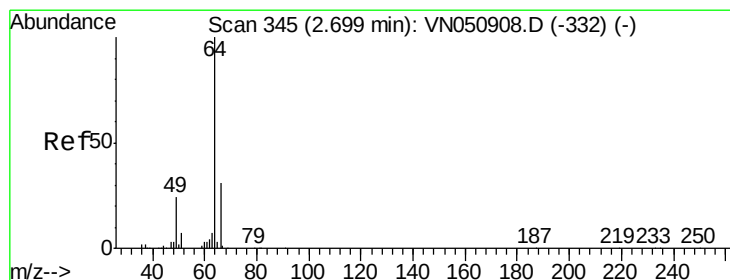
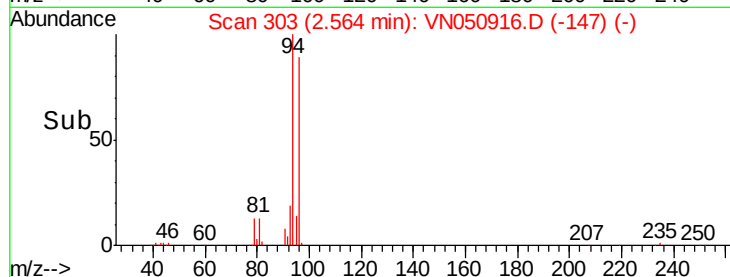
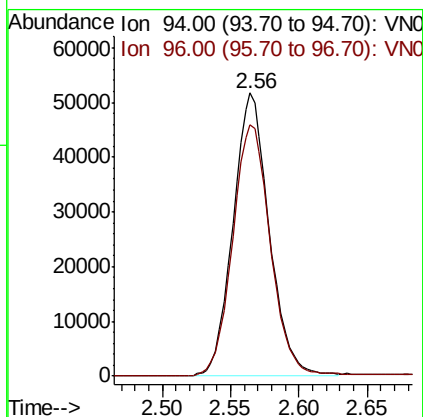
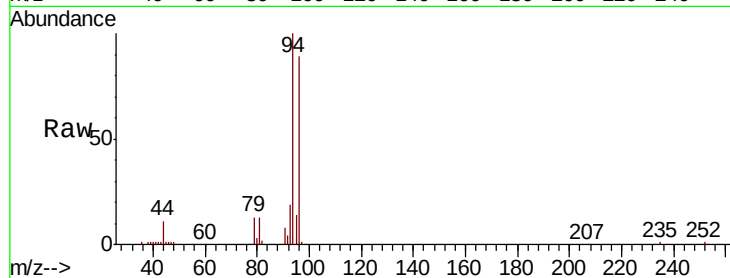
96 89.0 75.9 113.9

Manual Integrations

APPROVED

MMDadoda

8/29/2018 11:10:20 AM



#6

Chloroethane

Concen: 19.80 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050916.D

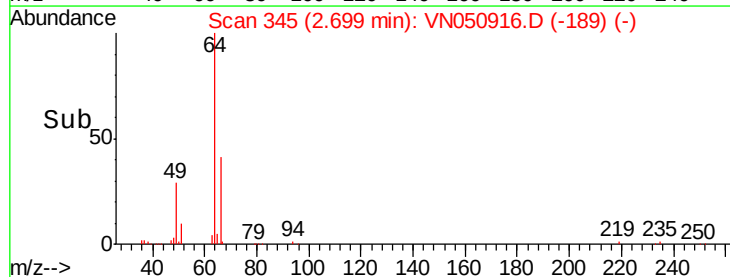
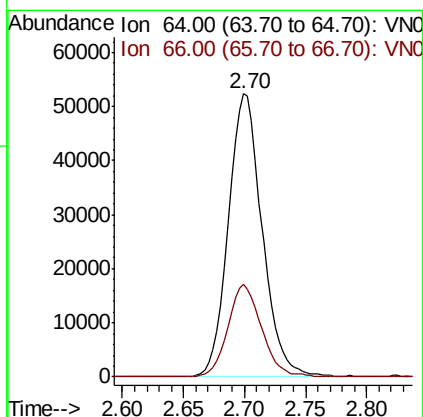
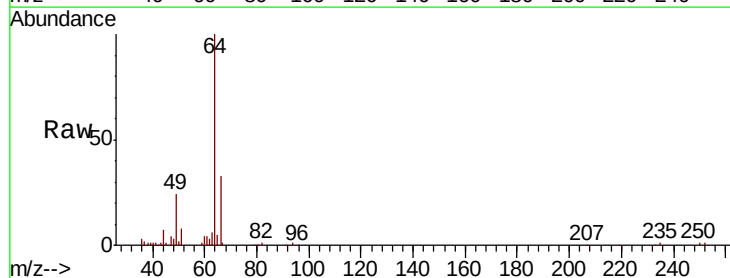
Acq: 28 Aug 2018 16:10

Tgt Ion: 64 Resp: 101318

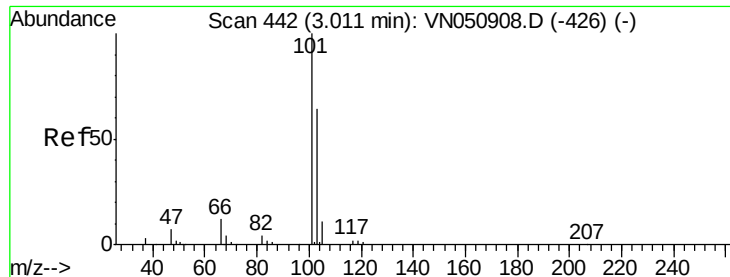
Ion Ratio Lower Upper

64 100

66 32.6 25.0 37.4







#7

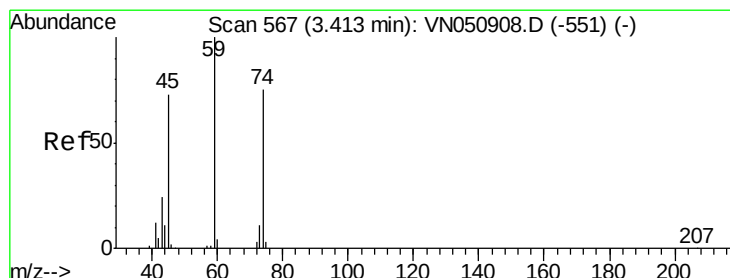
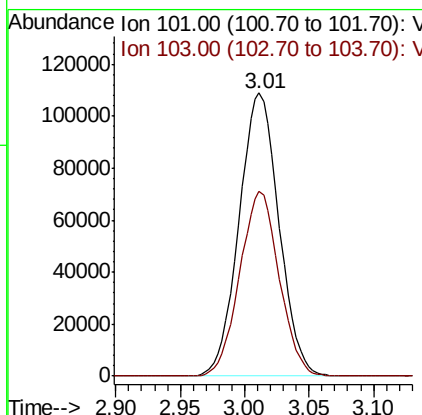
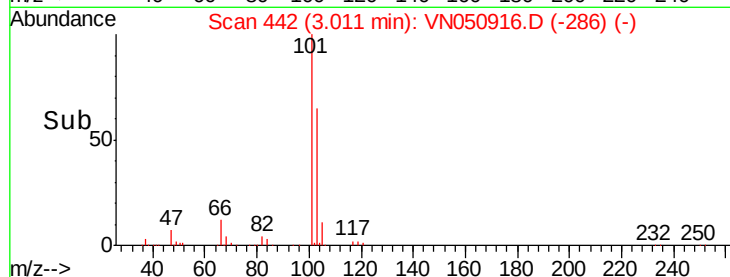
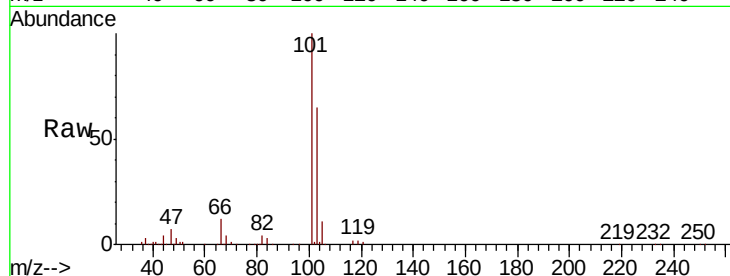
Trichlorofluoromethane  
 Concen: 20.40 ug/l  
 RT: 3.01 min Scan# 442  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0828WBS01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 101     | 100  |       | 234527 |       |       |
| 103     | 65.1 | 51.5  | 77.3   |       |       |

Manual Integrations  
 APPROVED

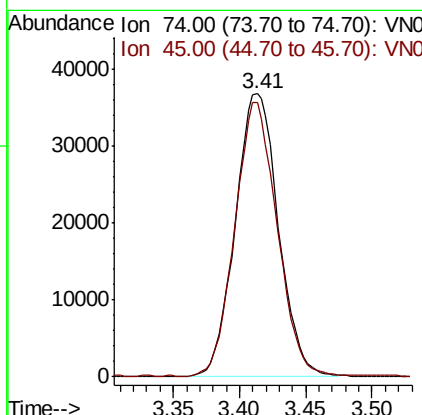
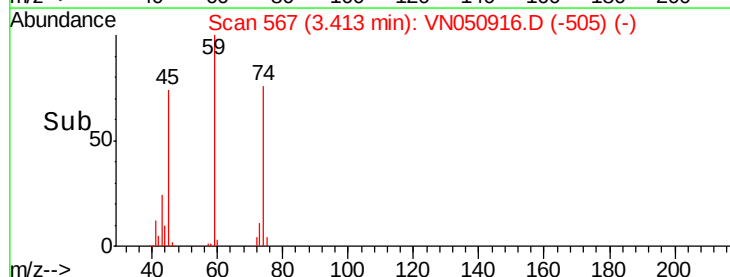
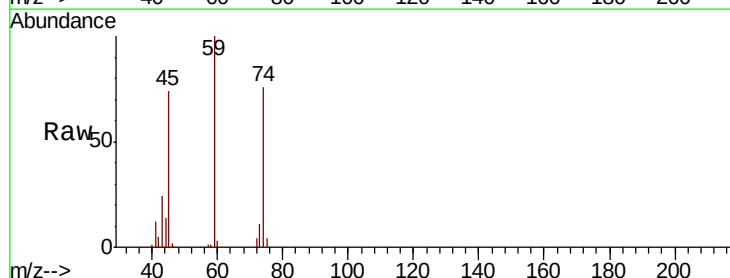
MMDadoda  
 8/29/2018 11:10:20 AM



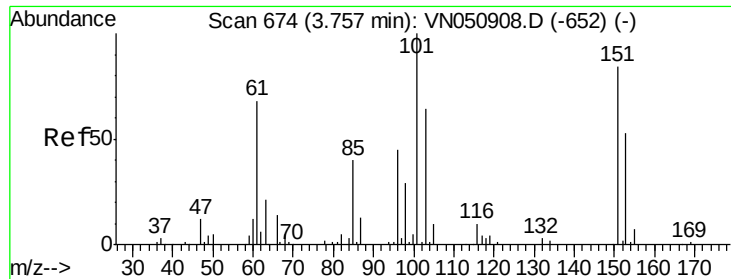
#8

Diethyl Ether  
 Concen: 20.52 ug/l  
 RT: 3.41 min Scan# 567  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 74      | 100  |       | 83186 |       |       |
| 45      | 95.6 | 18.7  | 167.9 |       |       |







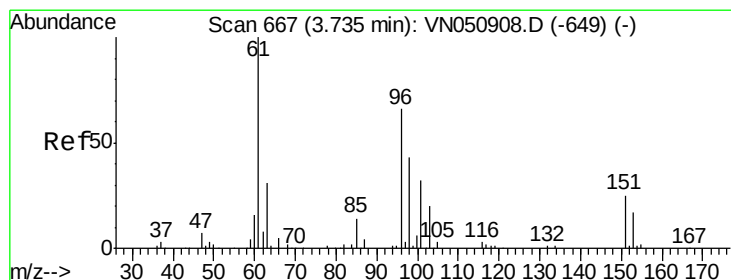
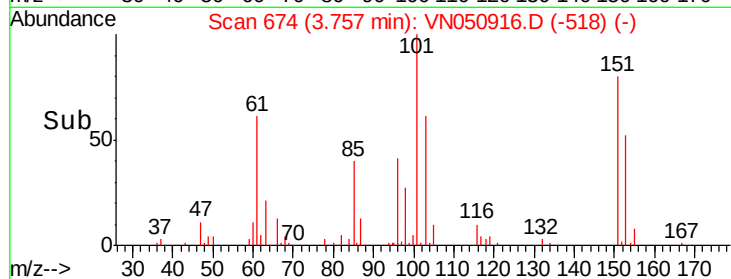
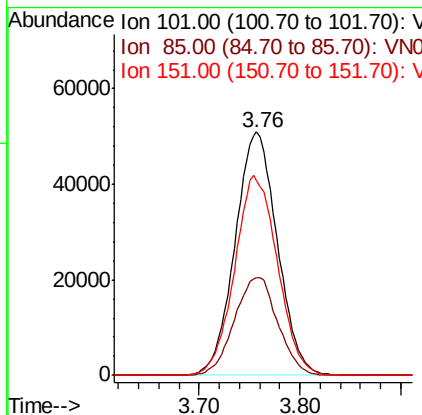
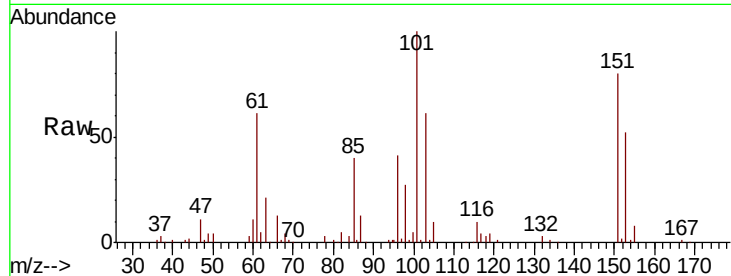
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 20.74 ug/l  
 RT: 3.76 min Scan# 674  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0828WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 147711 |       |       |
| 85      | 41.4  | 0.0    | 83.0  |       |
| 151     | 83.5  | 0.0    | 166.8 |       |

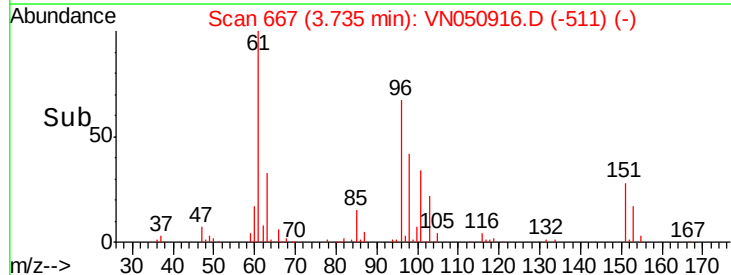
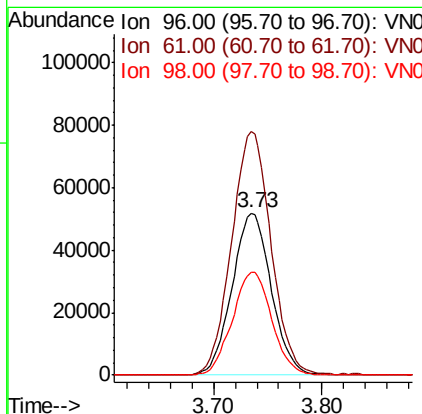
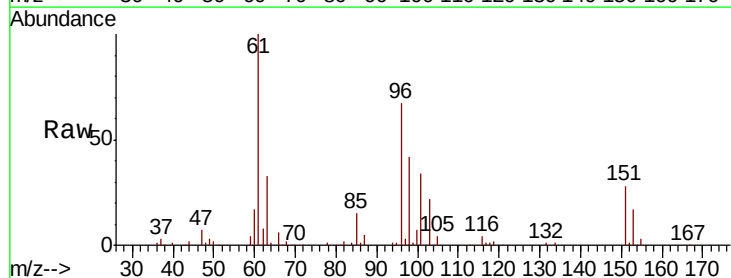
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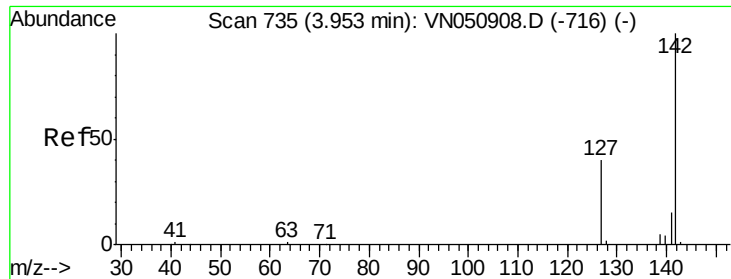
MMDadoda  
 8/29/2018 11:10:20 AM



#10  
 1,1-Dichloroethene  
 Concen: 20.27 ug/l  
 RT: 3.73 min Scan# 667  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 131084 |       |       |
| 61      | 150.4 | 130.6  | 195.8 |       |
| 98      | 63.2  | 53.5   | 80.3  |       |





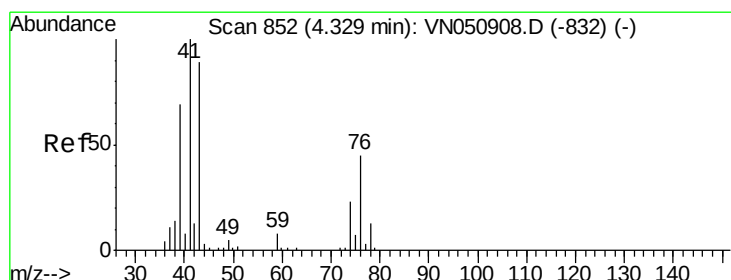
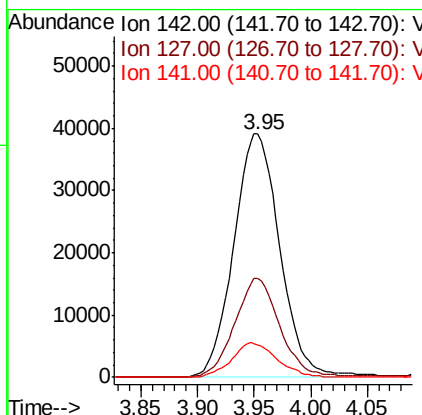
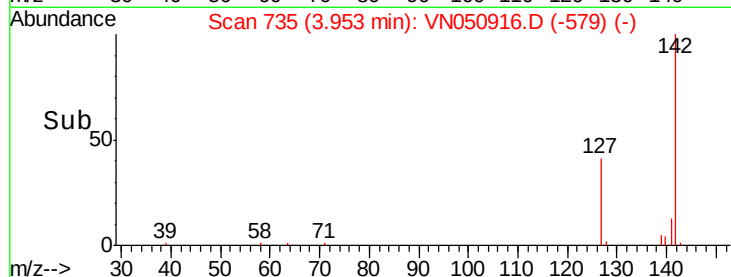
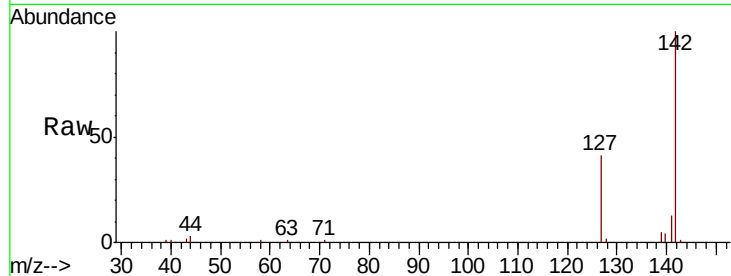
#11  
Methvl Iodide  
Concen: 18.27 ug/l  
RT: 3.95 min Scan# 735  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0828WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 40.7  | 20.2  | 60.5  |
| 141     | 13.3  | 6.9   | 20.6  |

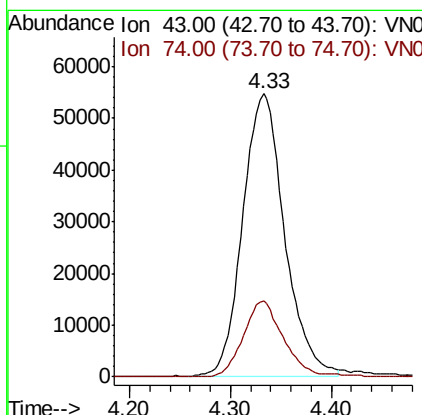
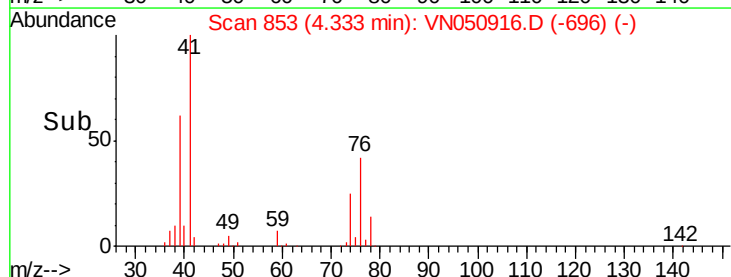
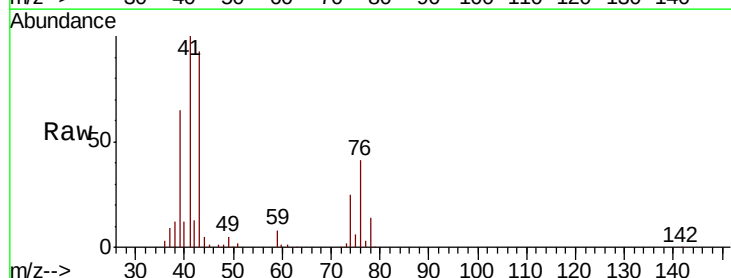
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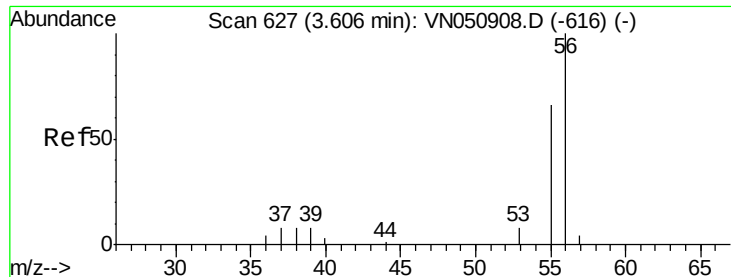
MMDadoda  
8/29/2018 11:10:20 AM



#12  
Methyl Acetate  
Concen: 20.98 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 26.6  | 19.3  | 28.9  |





#13

Acrolein

Concen: 87.37 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

Instrument :

MSVOA\_N

ClientSampleId :

VN0828WBS01

Tot Ion: 56 Resp: 14470

Ion Ratio Lower Upper

56 100

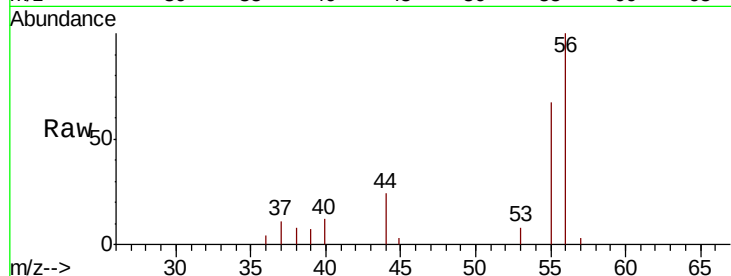
55 64.0 58.6 88.0

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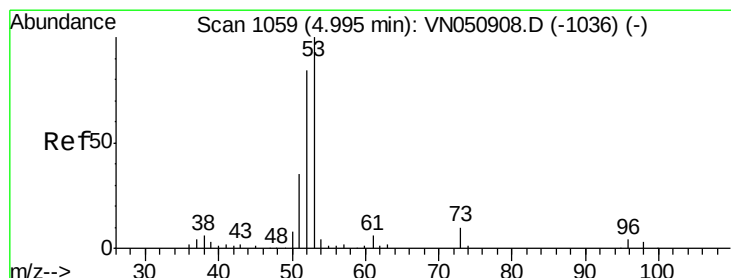
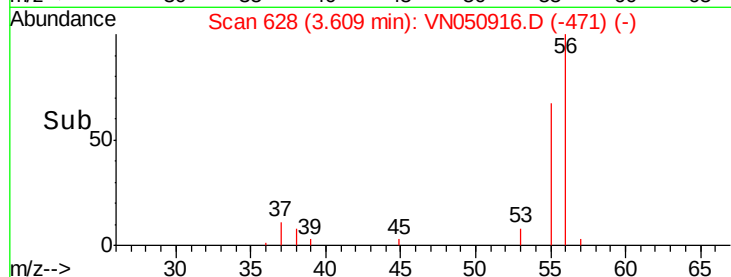
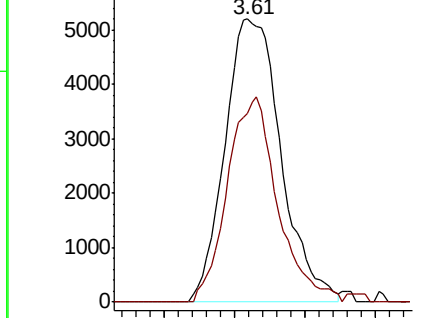
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 99.15 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

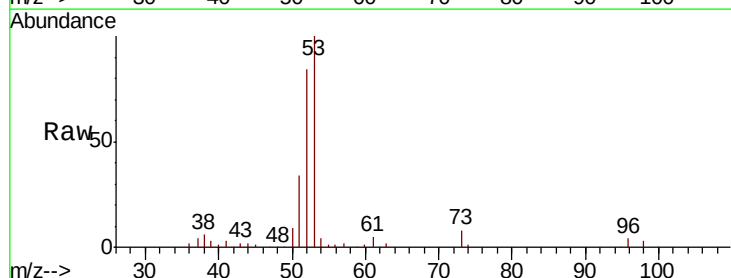
Tgt Ion: 53 Resp: 250753

Ion Ratio Lower Upper

53 100

52 82.3 41.5 124.5

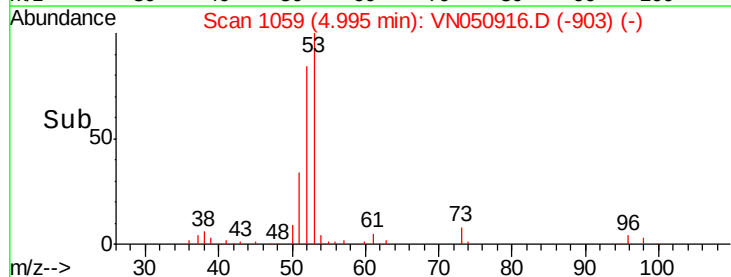
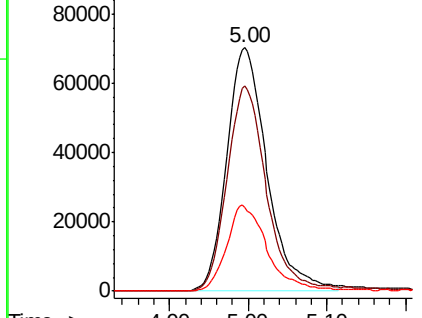
51 35.5 18.7 56.1

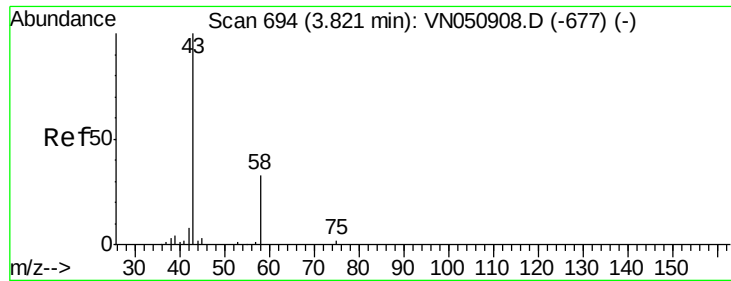


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 101.49 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

Instrument :

MSVOA\_N

ClientSampled :

VN0828WBS01

Tot Ion: 58 Resp: 65678

Ion Ratio Lower Upper

58 100

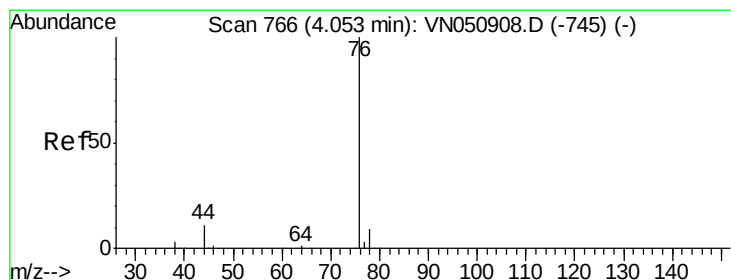
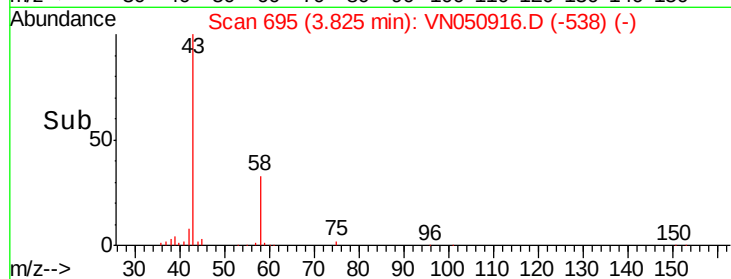
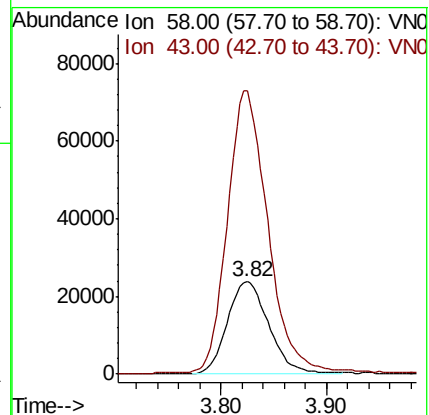
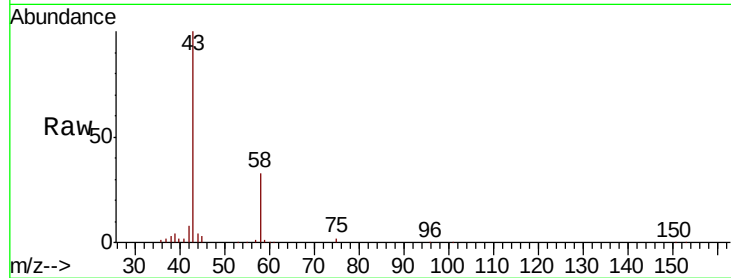
43 303.6 252.0 378.0

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#16

Carbon Disulfide

Concen: 19.68 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050916.D

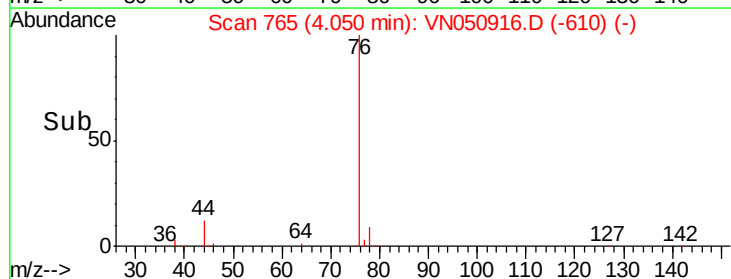
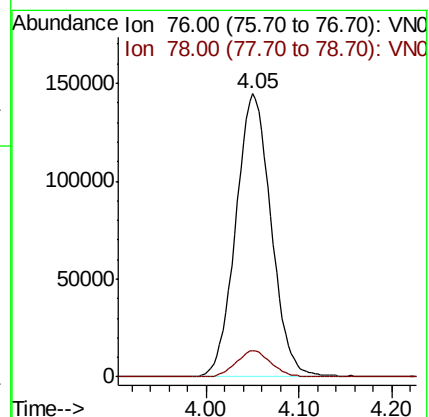
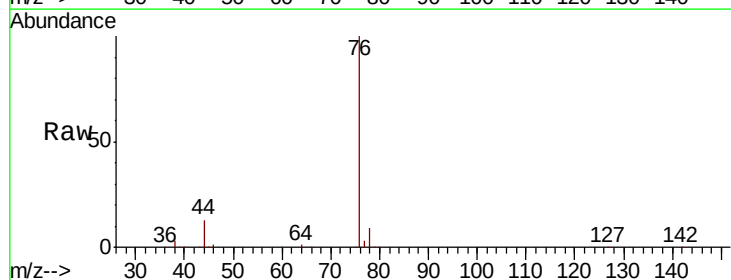
Acq: 28 Aug 2018 16:10

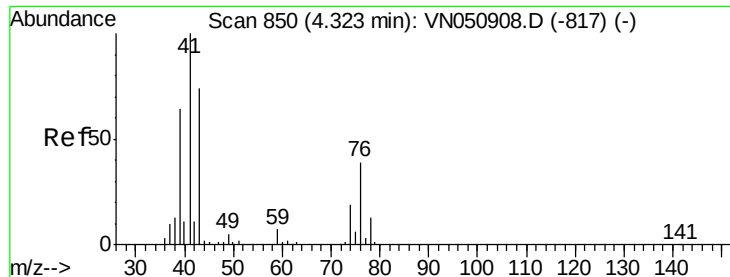
Tgt Ion: 76 Resp: 382691

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9





#17

Allvl chloride

Concen: 19.67 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

Instrument :

MSVOA\_N

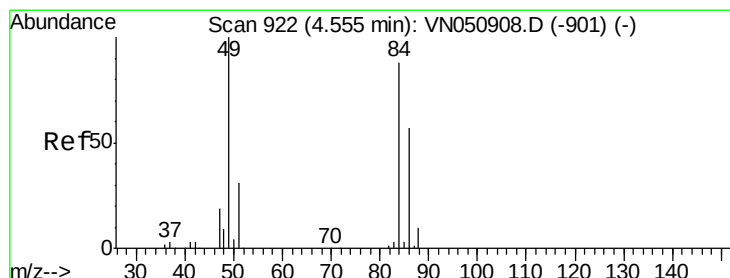
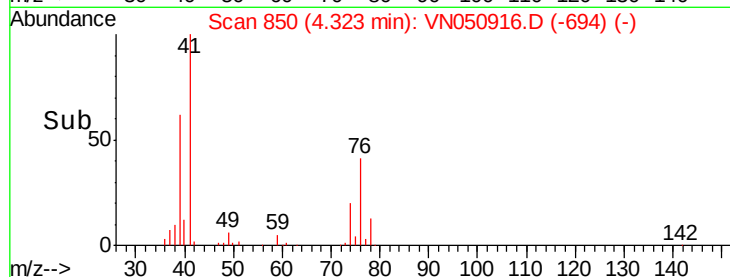
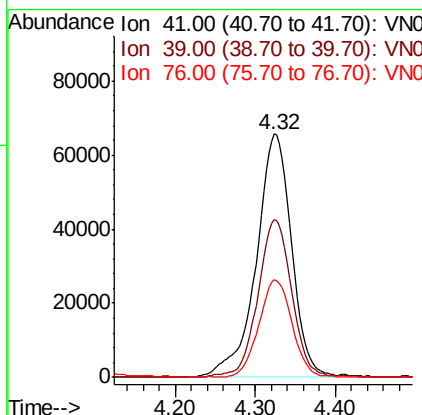
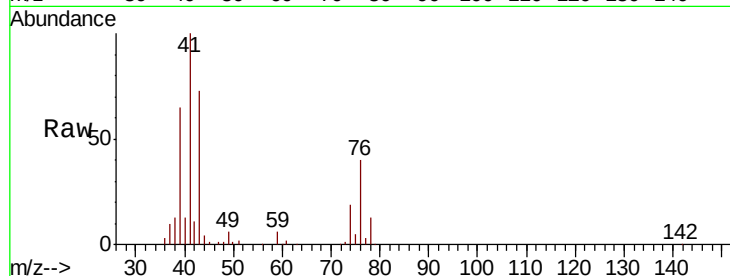
ClientSampleId :

VN0828WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 200228 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 65.0  | 35.4  | 106.3  |
| 76       | 39.7  | 19.7  | 59.1   |

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#18

Methylene Chloride

Concen: 20.17 ug/l

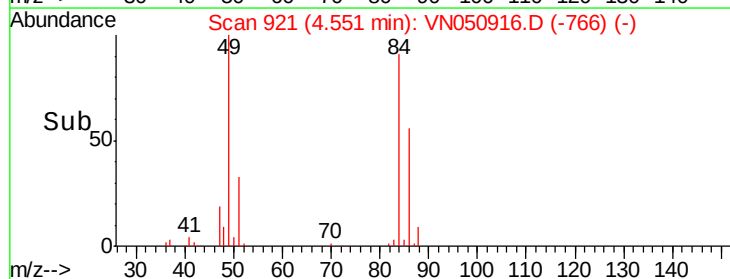
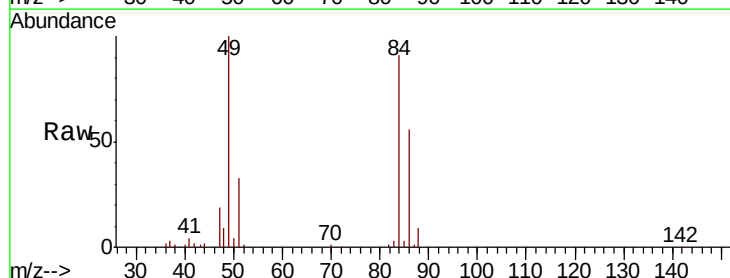
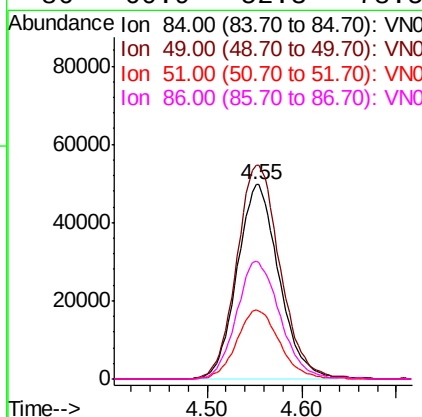
RT: 4.55 min Scan# 921

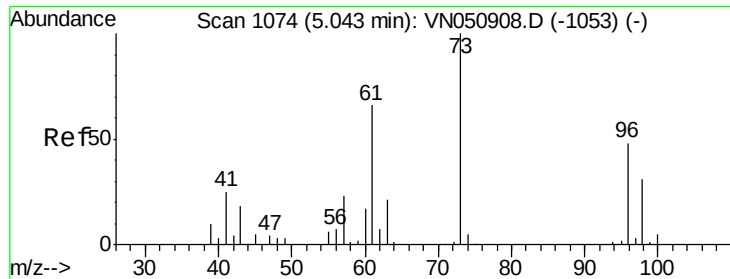
Delta R.T. -0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 153169 |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 109.7 | 95.1  | 142.7  |
| 51       | 35.7  | 28.8  | 43.2   |
| 86       | 60.9  | 52.3  | 78.5   |





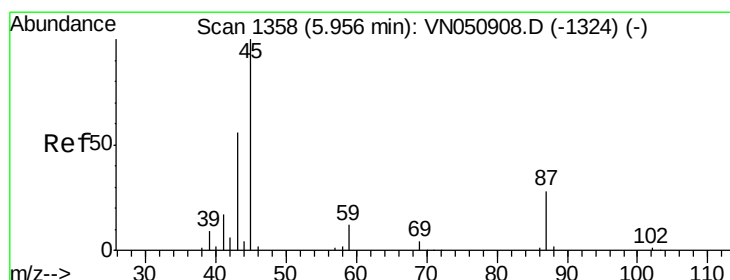
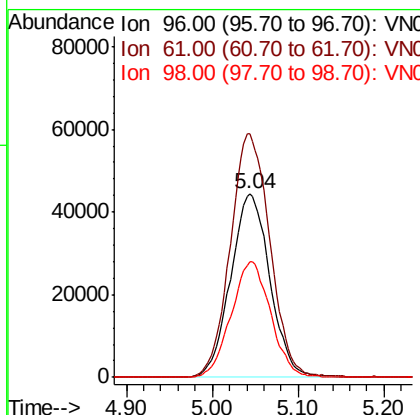
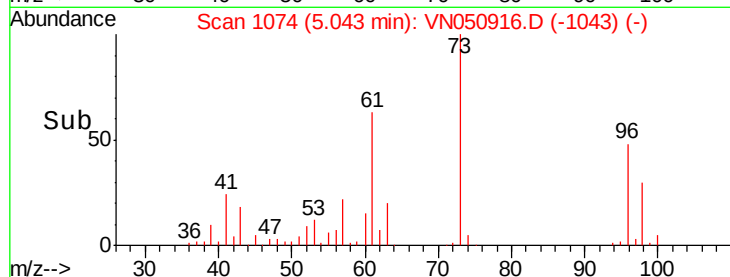
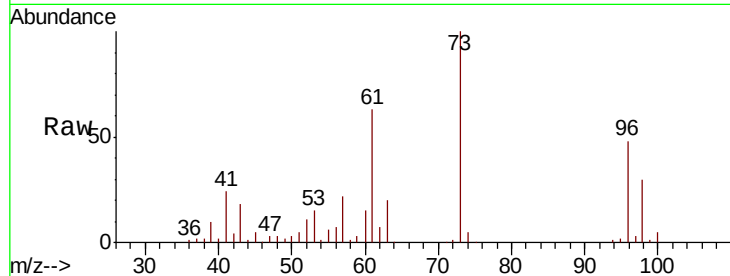
#19  
trans-1,2-Dichloroethene  
Concen: 20.43 ug/l  
RT: 5.04 min Scan# 1074  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0828WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 132.4 | 112.1 | 168.1 |
| 98      | 62.7  | 51.3  | 76.9  |

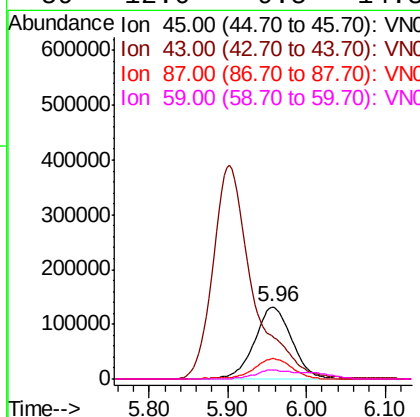
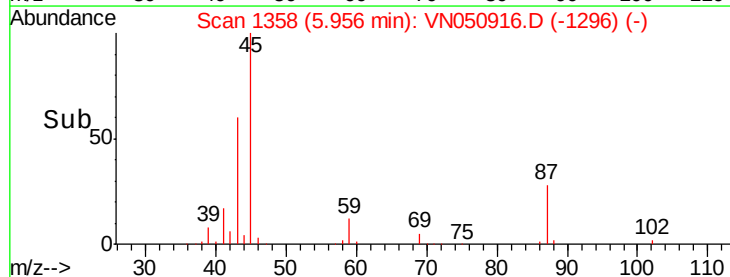
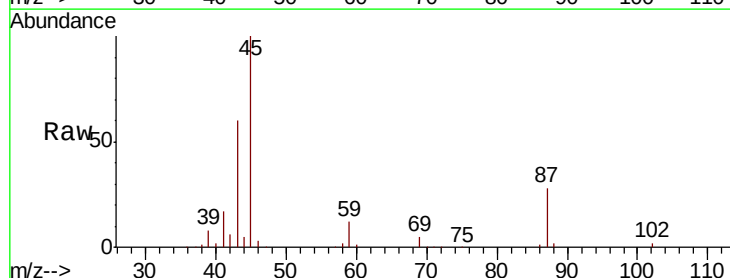
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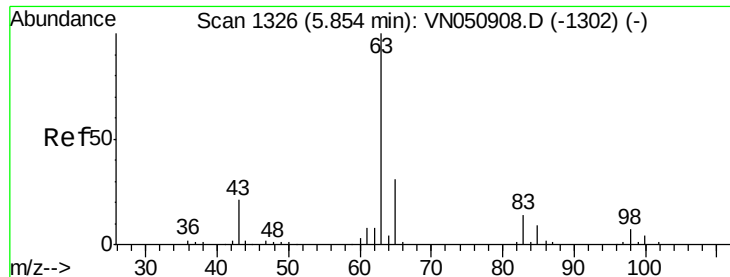
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#20  
Diisopropyl ether  
Concen: 20.82 ug/l  
RT: 5.96 min Scan# 1358  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 57.5  | 46.6  | 70.0  |
| 87      | 27.5  | 22.3  | 33.5  |
| 59      | 12.0  | 9.5   | 14.3  |





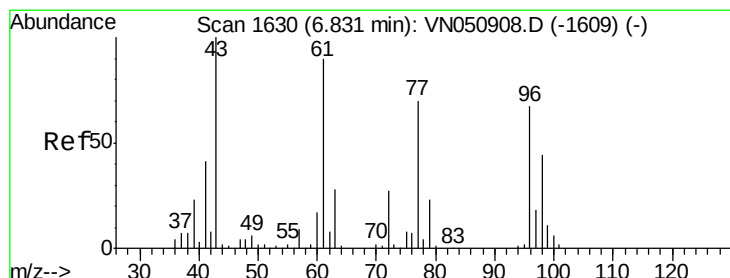
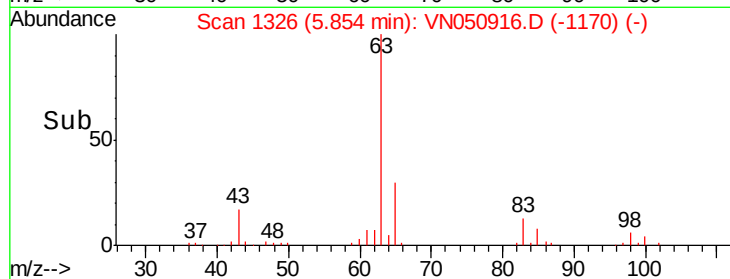
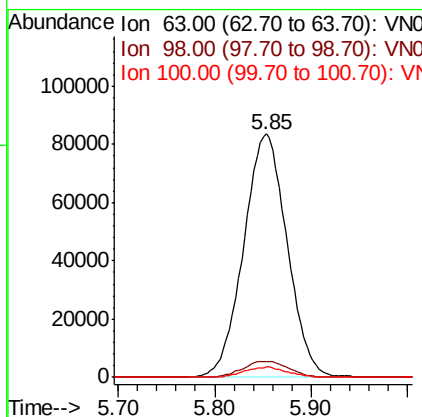
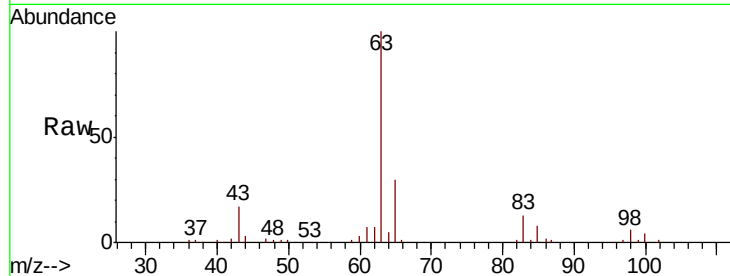
#21  
 1,1-Dichloroethane  
 Concen: 20.14 ug/l  
 RT: 5.85 min Scan# 1326  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0828WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 63      | 100   | 260897 |       |       |
| 98      | 6.4   | 3.5    | 10.6  |       |
| 100     | 4.3   | 2.3    | 6.8   |       |

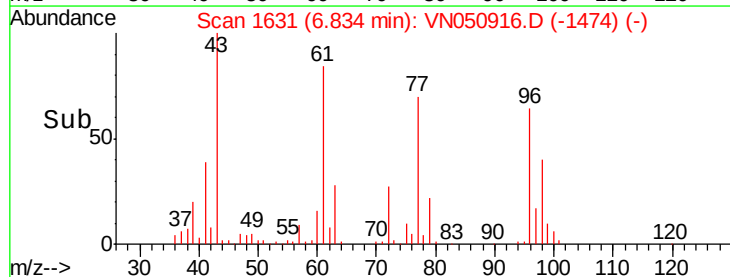
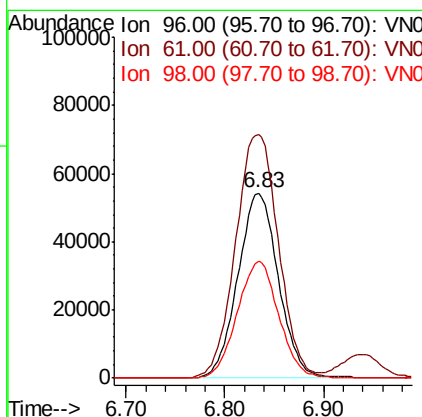
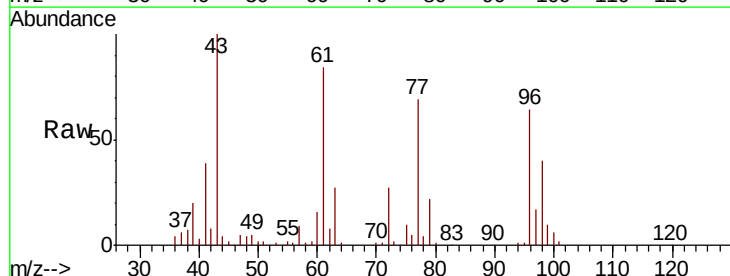
Manual Integrations  
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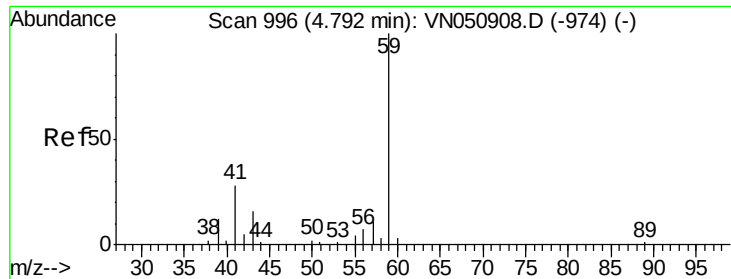


#22  
 cis-1,2-Dichloroethene  
 Concen: 19.87 ug/l  
 RT: 6.83 min Scan# 1631  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 154716 |       |       |
| 61      | 139.3 | 114.2  | 171.2 |       |
| 98      | 64.4  | 51.7   | 77.5  |       |







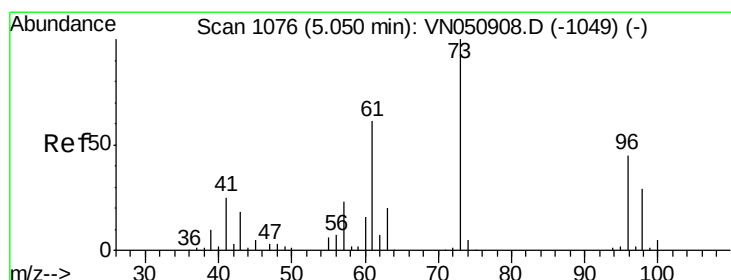
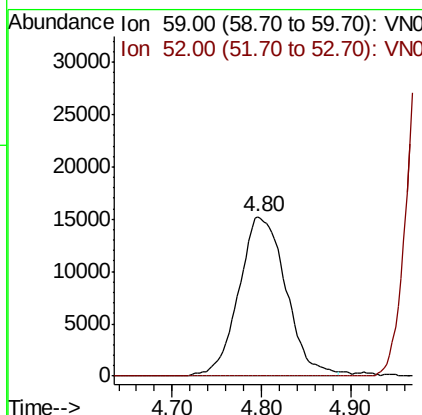
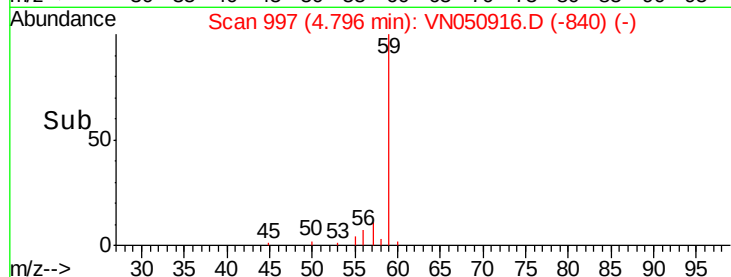
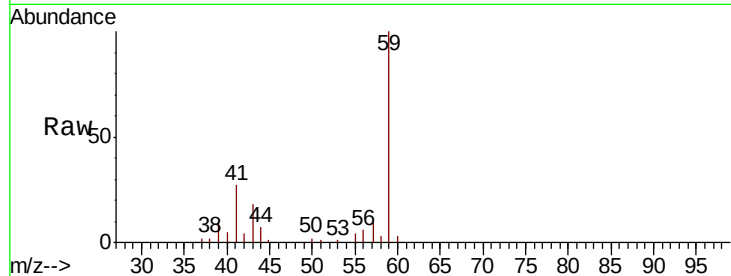
#23  
 tert-Butyl Alcohol  
 Concen: 104.12 ug/l  
 RT: 4.80 min Scan# 997  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0828WBS01

Tot Ion: 59 Resp: 55999  
 Ion Ratio Lower Upper  
 59 100  
 52 0.0 0.1 0.1#

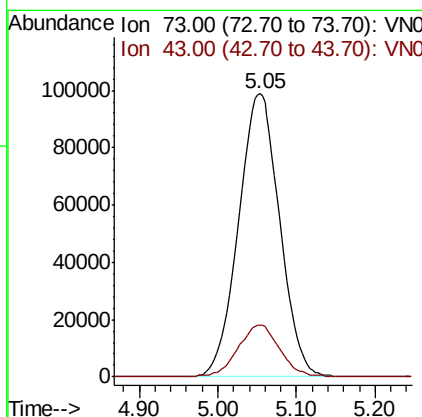
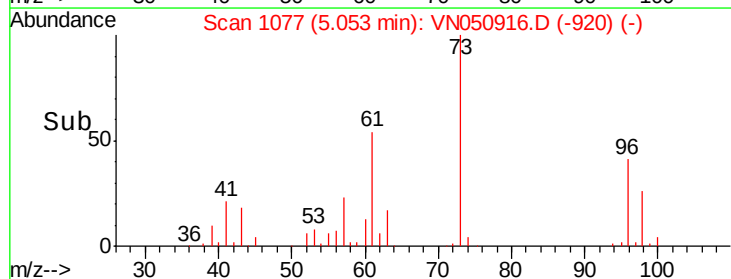
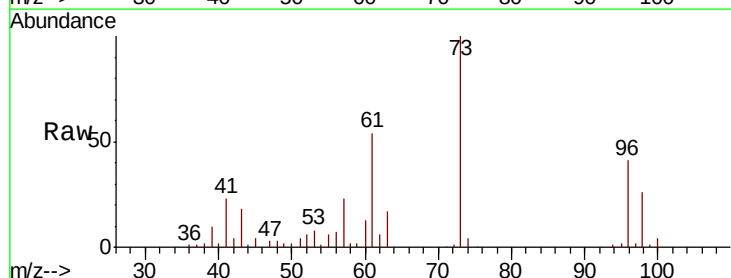
Manual Integrations  
 APPROVED

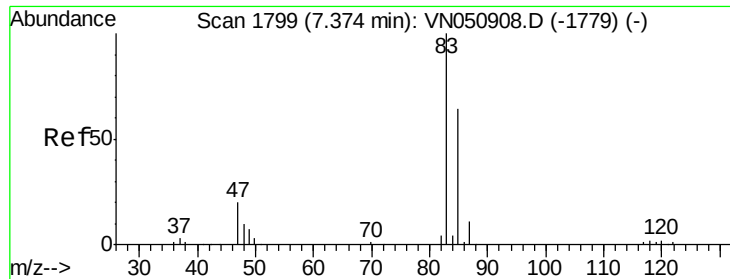
MMDadoda  
 8/29/2018 11:10:20 AM



#24  
 Methyl tert-Butyl Ether  
 Concen: 20.54 ug/l  
 RT: 5.05 min Scan# 1077  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

Tgt Ion: 73 Resp: 363331  
 Ion Ratio Lower Upper  
 73 100  
 43 18.5 15.5 23.3





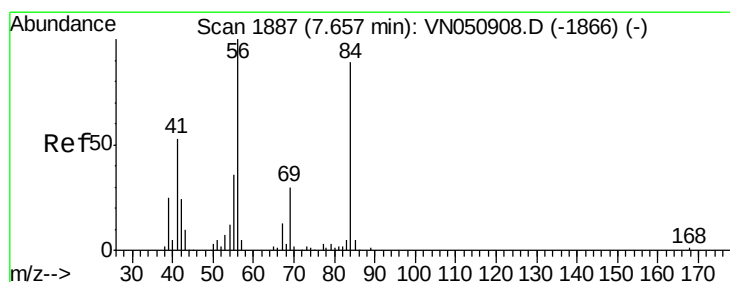
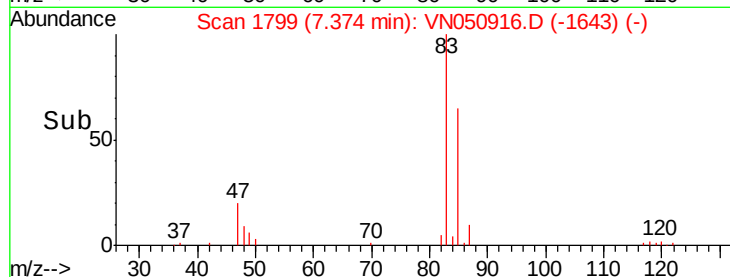
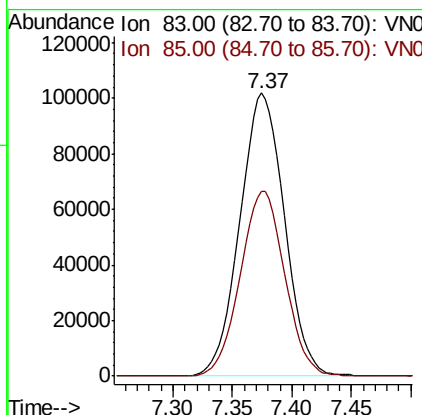
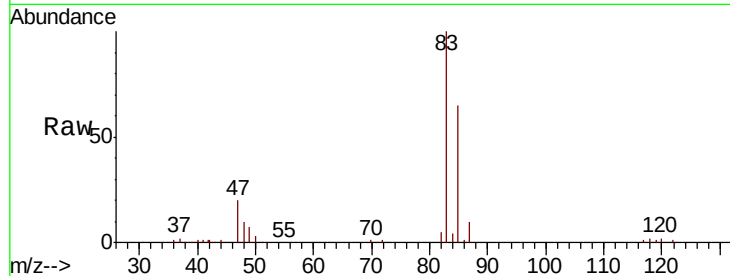
#25  
Chloroform  
Concen: 20.43 ug/l  
RT: 7.37 min Scan# 1799  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0828WBS01

| Tot Ion   | 83   | Resp  | 264193 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 65.4 | 52.1  | 78.1   |

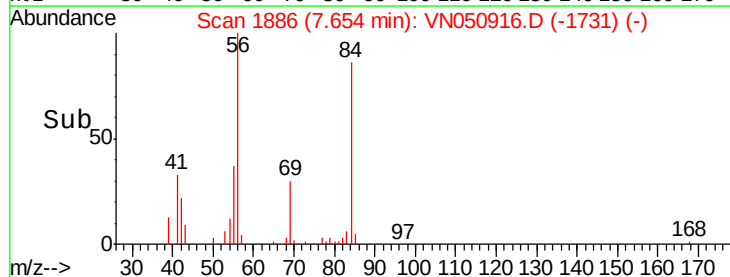
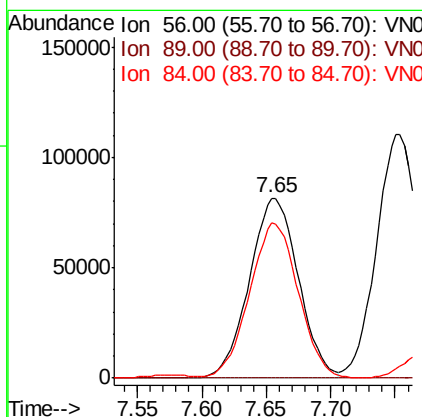
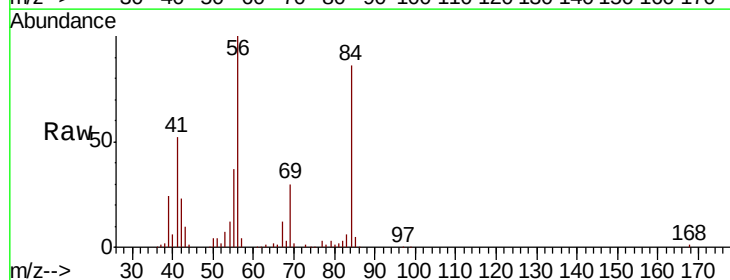
Manual Integrations  
APPROVED

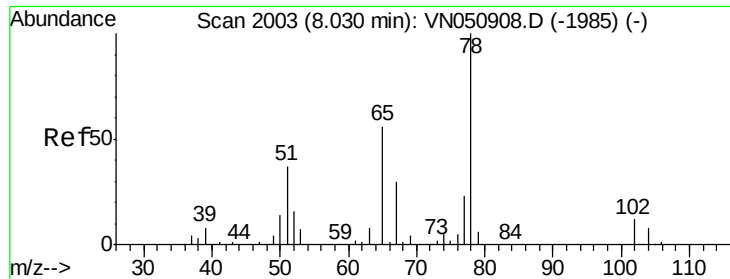
MMDadoda  
8/29/2018 11:10:20 AM



#26  
Cyclohexane  
Concen: 20.08 ug/l  
RT: 7.65 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

| Tgt Ion   | 56   | Resp  | 215533 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 56        | 100  |       |        |
| 89        | 0.0  | 3.0   | 4.4#   |
| 84        | 86.0 | 69.8  | 104.8  |





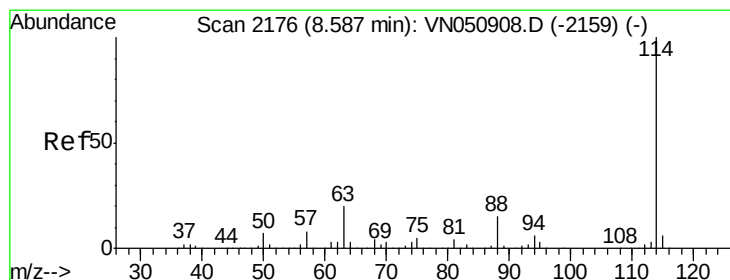
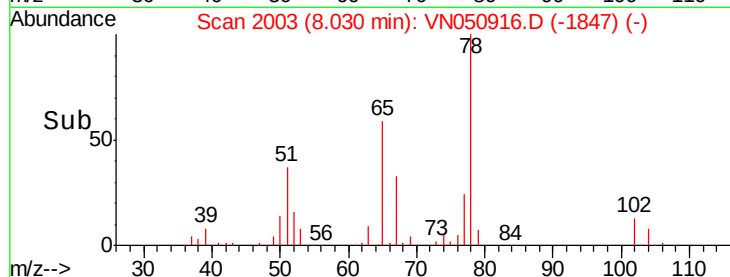
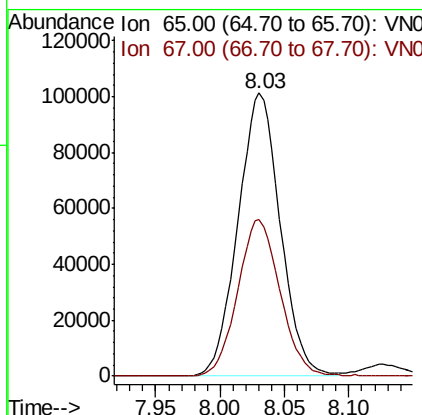
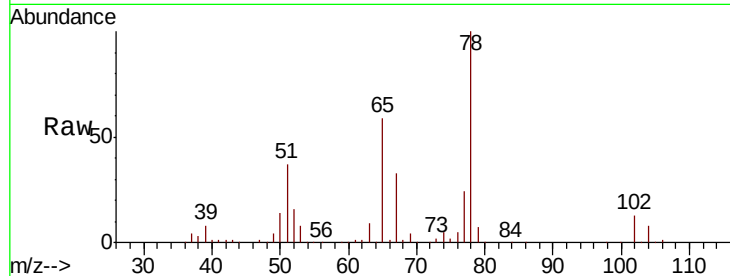
#27  
 1,2-Dichloroethane-d4  
 Concen: 30.27 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0828WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 55.3  | 42.7  | 64.1  |

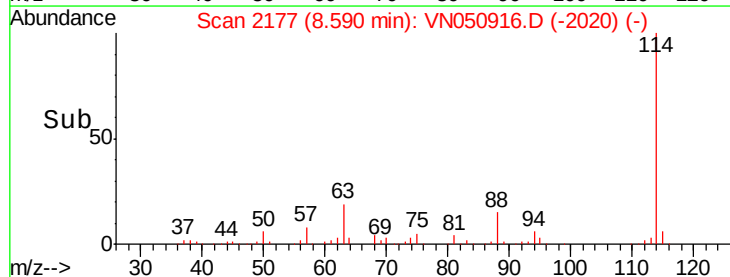
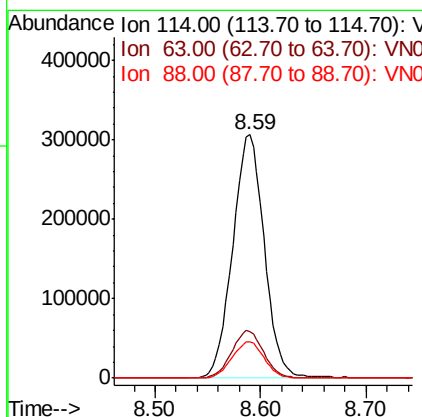
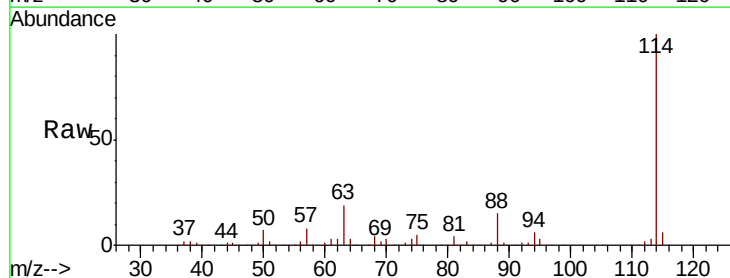
Manual Integrations  
 APPROVED

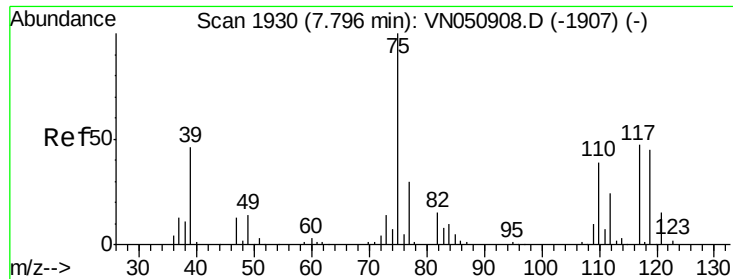
MMDadoda  
 8/29/2018 11:10:20 AM



#28  
 1,4-Difluorobenzene  
 Concen: 30.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.6  | 16.2  | 24.2  |
| 88      | 15.3  | 12.3  | 18.5  |





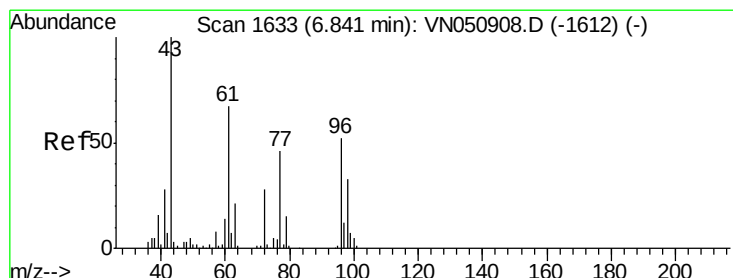
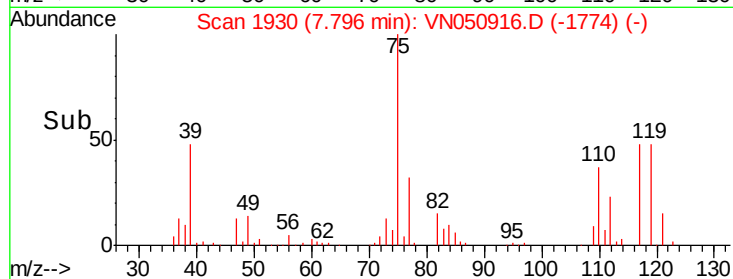
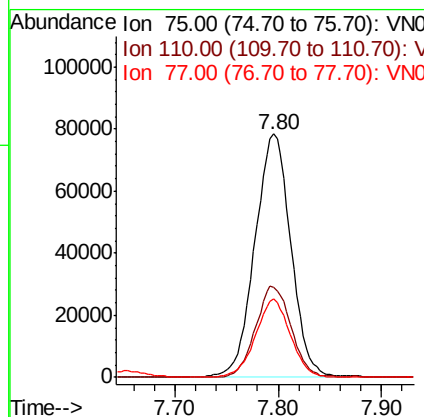
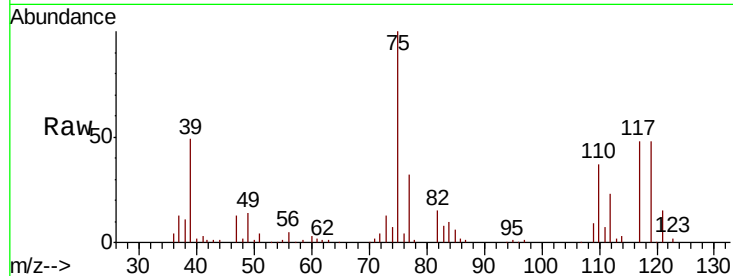
#29  
 1,1-Dichloropropene  
 Concen: 19.90 ug/l  
 RT: 7.80 min Scan# 1930  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0828WBS01

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 75      | 100   |            |       |
| 110     | 36.8  | 0.0        | 73.2  |
| 77      | 31.3  | 0.0        | 62.0  |

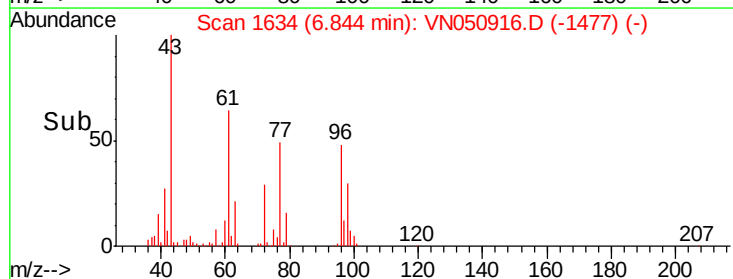
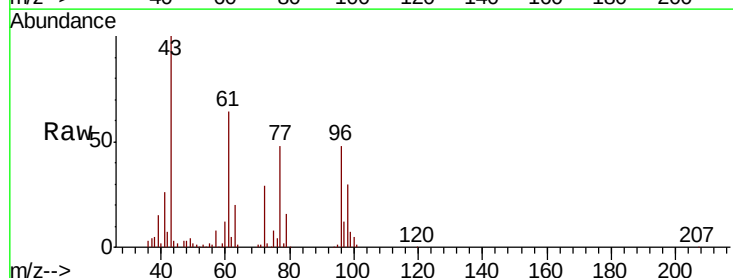
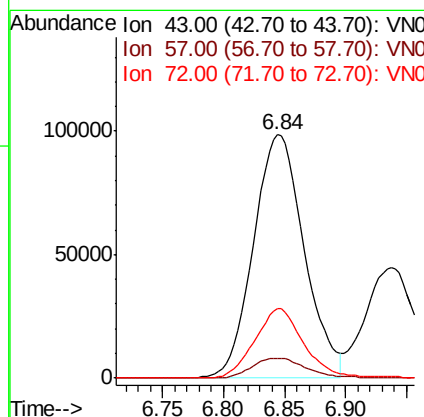
Manual Integrations  
 APPROVED

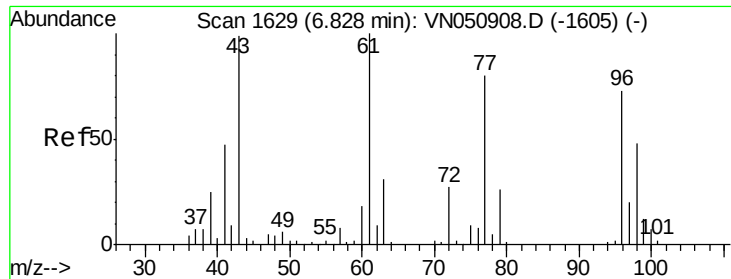
MMDadoda  
 8/29/2018 11:10:20 AM



#30  
 2-Butanone  
 Concen: 96.41 ug/l  
 RT: 6.84 min Scan# 1634  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 43      | 100   |            |       |
| 57      | 8.7   | 6.8        | 10.2  |
| 72      | 27.7  | 21.4       | 32.0  |





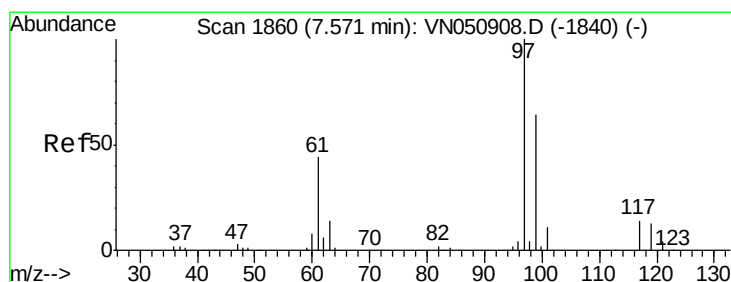
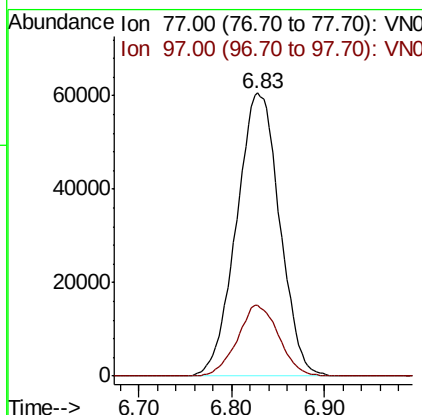
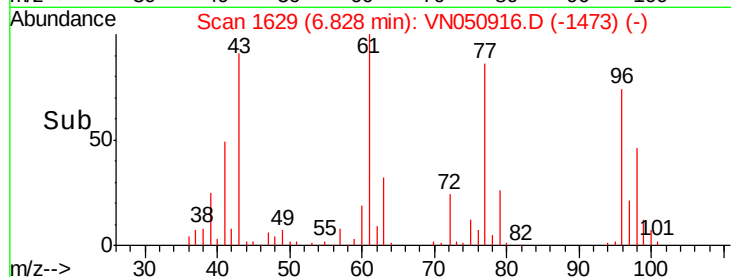
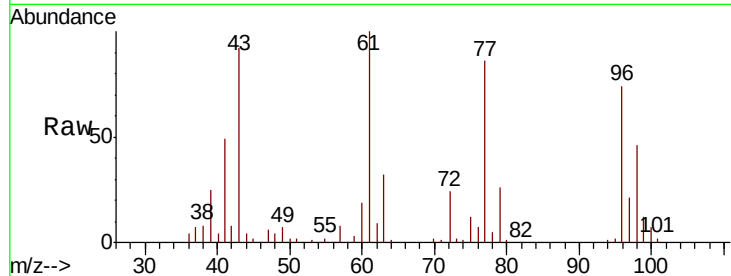
#31  
 2,2-Dichloropropane  
 Concen: 21.08 ug/l  
 RT: 6.83 min Scan# 1629  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0828WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 97      | 24.0  | 18.9  | 28.3  |

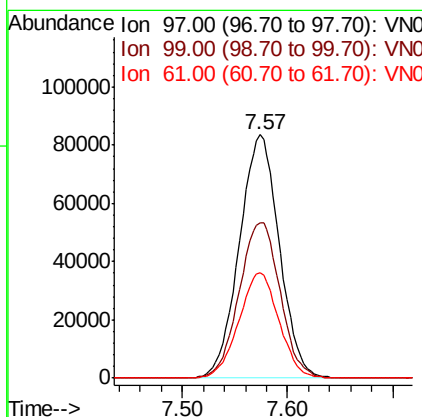
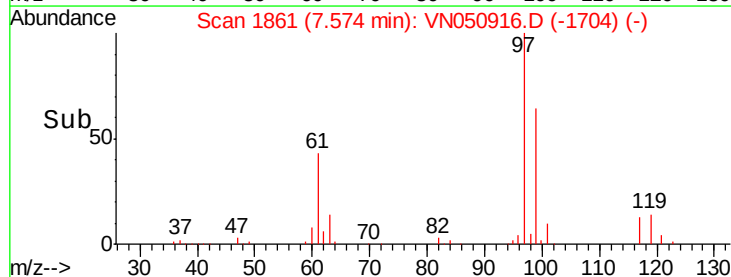
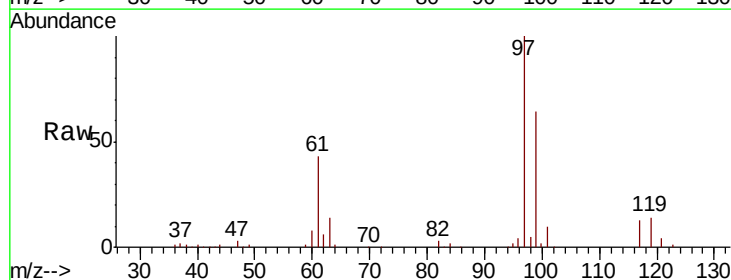
Manual Integrations  
 APPROVED

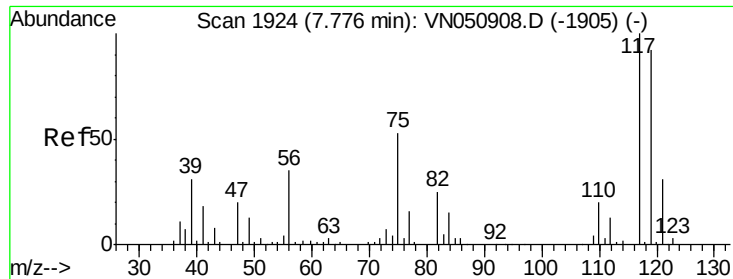
MMDadoda  
 8/29/2018 11:10:20 AM



#32  
 1,1,1-Trichloroethane  
 Concen: 20.31 ug/l  
 RT: 7.57 min Scan# 1861  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.7  | 51.2  | 76.8  |
| 61      | 43.6  | 35.3  | 52.9  |





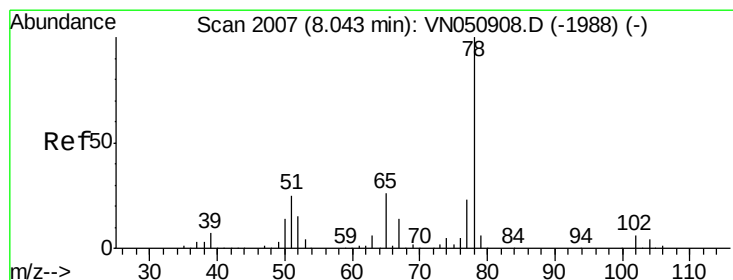
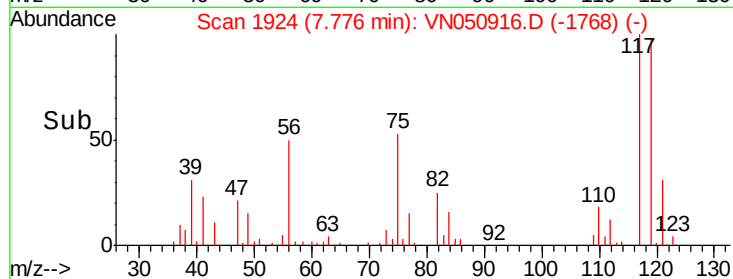
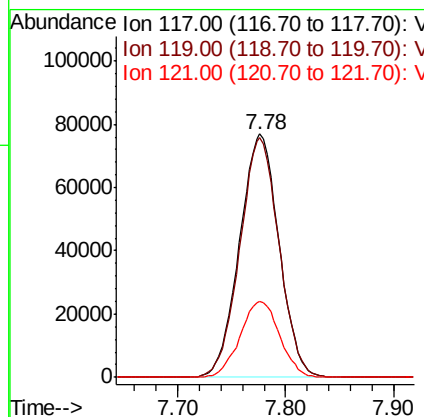
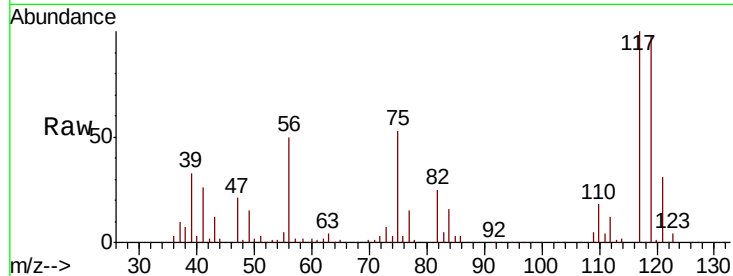
#33  
Carbon Tetrachloride  
Concen: 20.06 ug/l  
RT: 7.78 min Scan# 1924  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0828WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 98.4  | 76.9  | 115.3 |
| 121     | 31.2  | 24.4  | 36.6  |

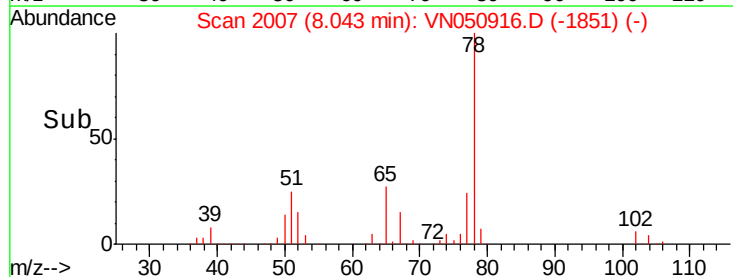
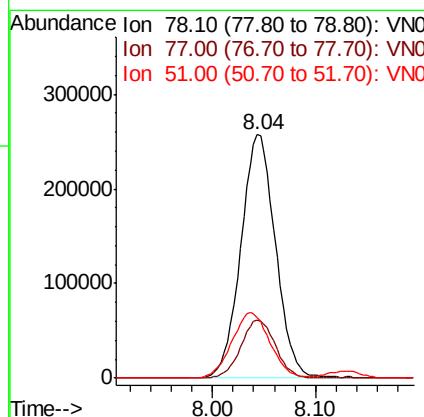
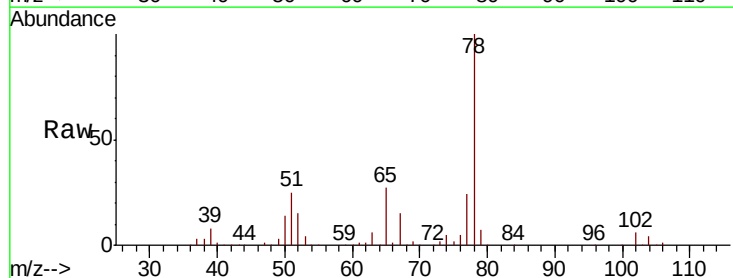
Manual Integrations  
APPROVED

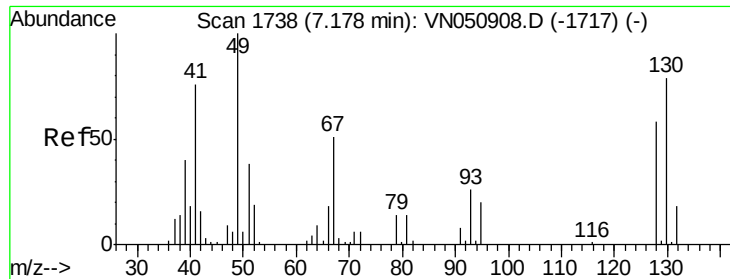
MMDadoda  
8/29/2018 11:10:20 AM



#34  
Benzene  
Concen: 20.34 ug/l  
RT: 8.04 min Scan# 2007  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.7  | 19.1  | 28.7  |
| 51      | 25.0  | 21.0  | 31.4  |





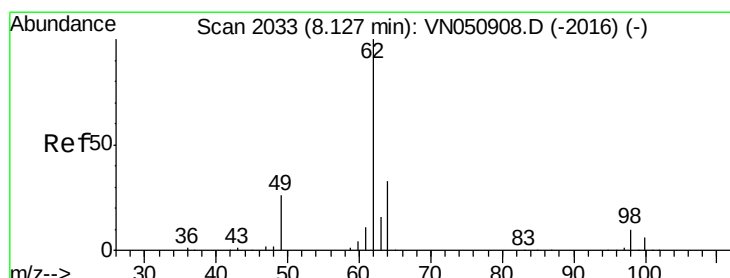
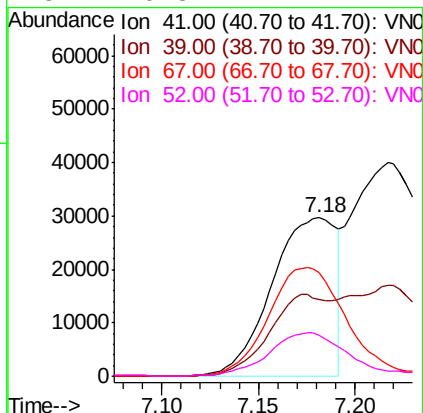
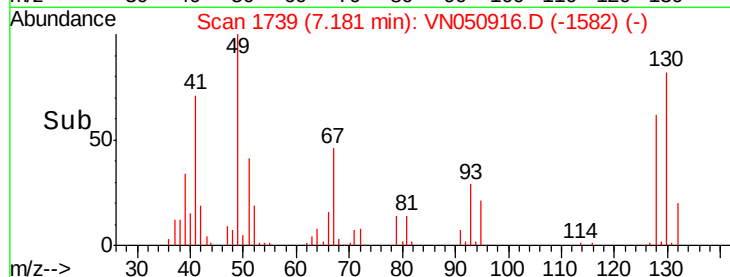
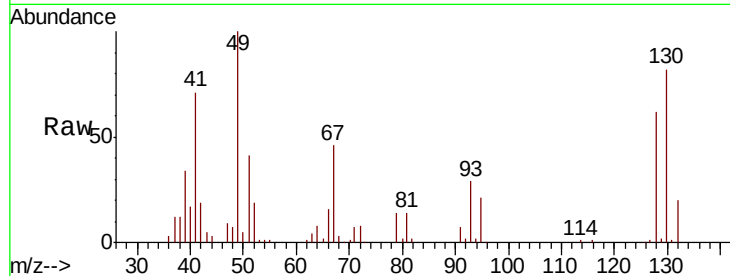
#35  
Methacrylonitrile  
Concen: 21.45 ug/l  
RT: 7.18 min Scan# 1739  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0828WBS01

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 48.3 | 27.6  | 82.7  |       |
| 67      | 65.4 | 35.1  | 105.5 |       |
| 52      | 26.3 | 14.1  | 42.4  |       |

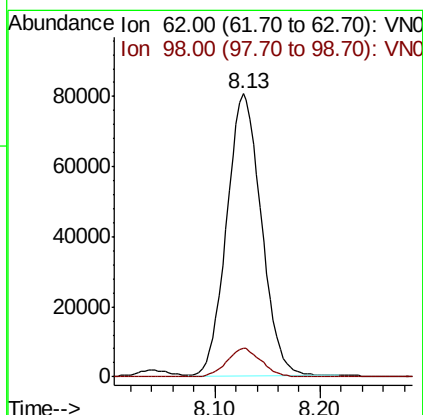
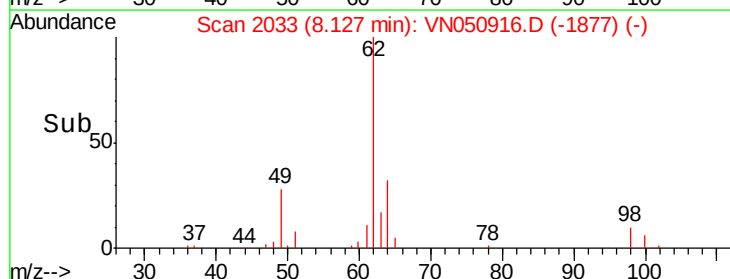
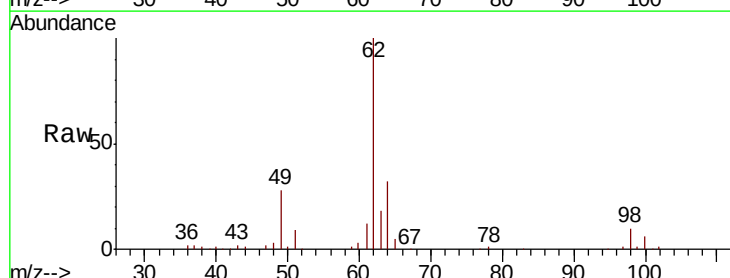
Manual Integrations  
APPROVED

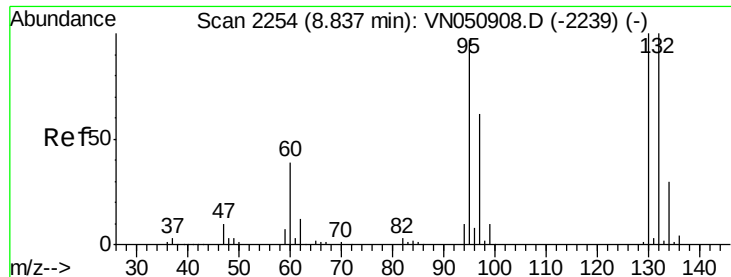
MMDadoda  
8/29/2018 11:10:20 AM



#36  
1,2-Dichloroethane  
Concen: 20.56 ug/l  
RT: 8.13 min Scan# 2033  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 62      | 100  |       |       |       |
| 98      | 10.0 | 7.8   | 11.6  |       |





#37

Trichloroethene

Concen: 19.99 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

Instrument :

MSVOA\_N

ClientSampled :

VN0828WBS01

Tot Ion:130 Resp: 154236

Ion Ratio Lower Upper

130 100

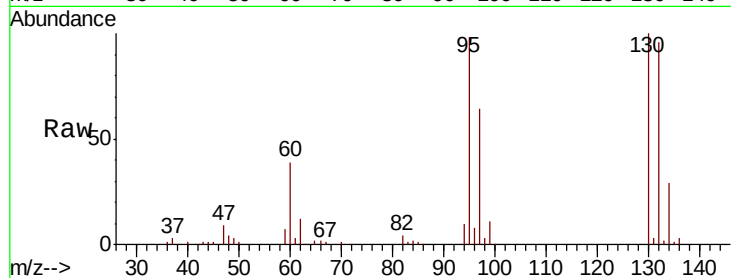
95 98.3 79.7 119.5

Manual Integrations

APPROVED

MMDadoda

8/29/2018 11:10:20 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

80000

60000

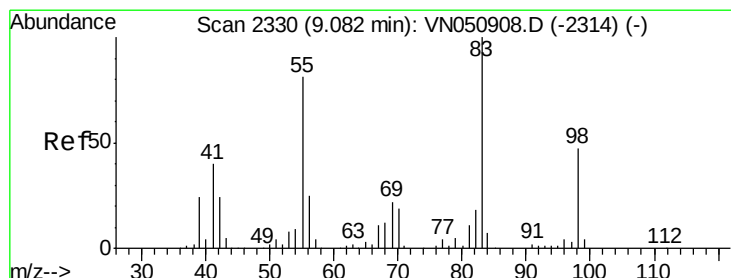
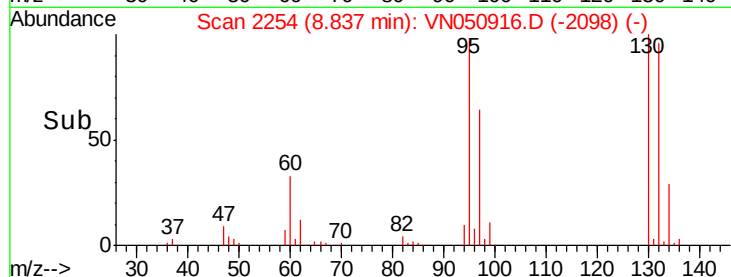
40000

20000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#38

Methylcyclohexane

Concen: 19.73 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

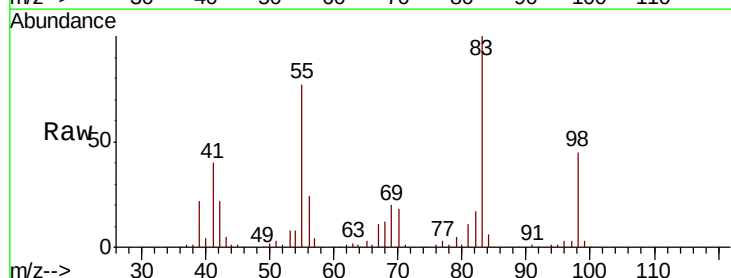
Tgt Ion: 83 Resp: 202209

Ion Ratio Lower Upper

83 100

55 76.6 39.3 117.8

98 45.4 23.0 69.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

120000

100000

80000

60000

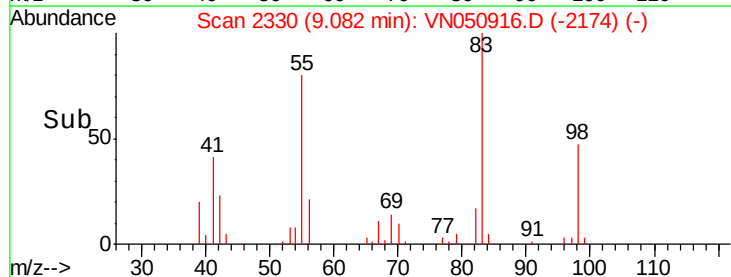
40000

20000

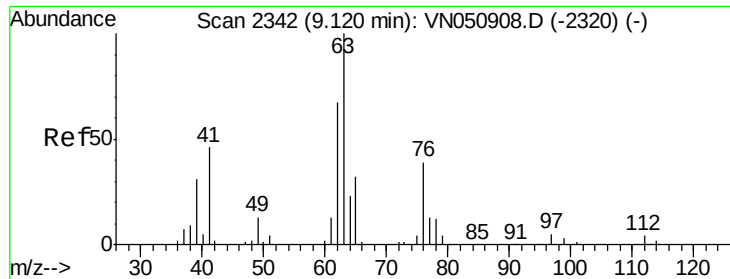
0

9.00 9.10 9.20

Time-->







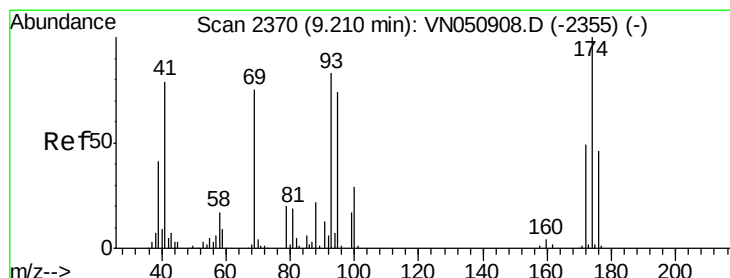
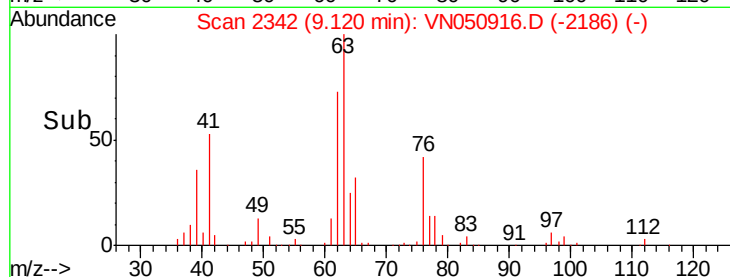
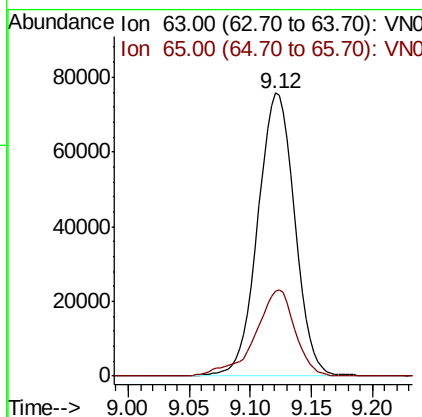
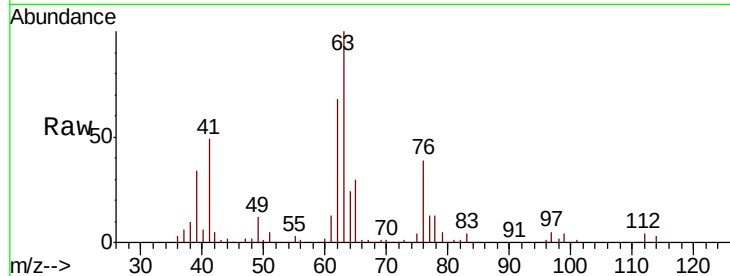
#39  
 1,2-Dichloropropane  
 Concen: 20.67 ug/l  
 RT: 9.12 min Scan# 2342  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0828WBS01

Tot Ion: 63 Resp: 159382  
 Ion Ratio Lower Upper  
 63 100  
 65 29.8 24.2 36.2

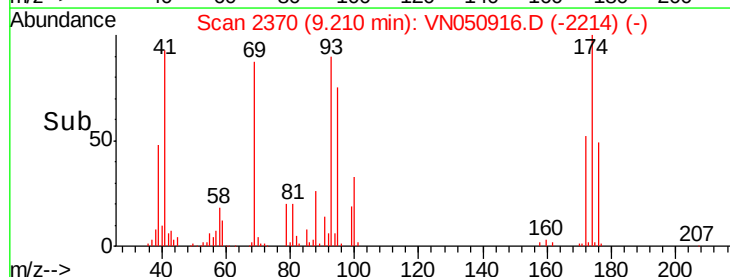
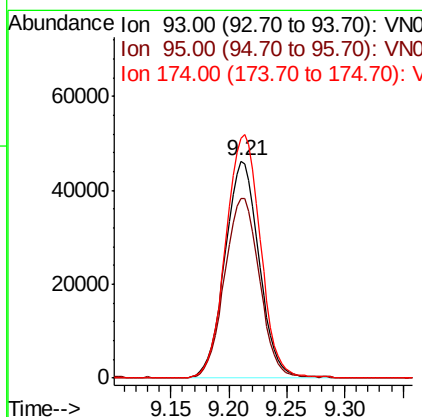
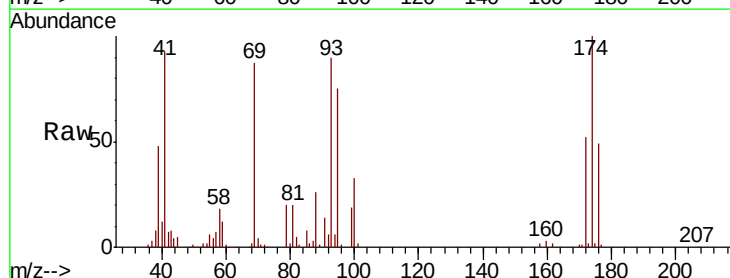
Manual Integrations  
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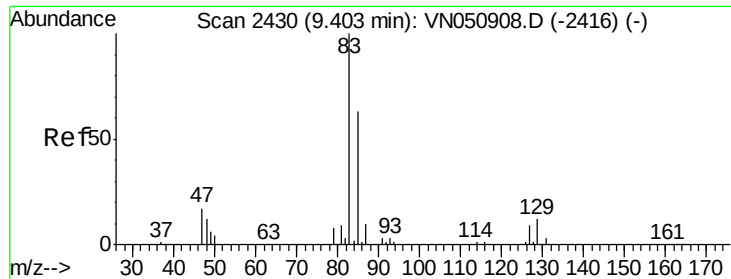
MMDadoda  
 8/29/2018 11:10:20 AM



#40  
 Dibromomethane  
 Concen: 20.36 ug/l  
 RT: 9.21 min Scan# 2370  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

Tgt Ion: 93 Resp: 94546  
 Ion Ratio Lower Upper  
 93 100  
 95 84.4 0.0 165.6  
 174 113.9 0.0 223.2





#41

Bromodichloromethane

Concen: 20.17 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

Instrument :

MSVOA\_N

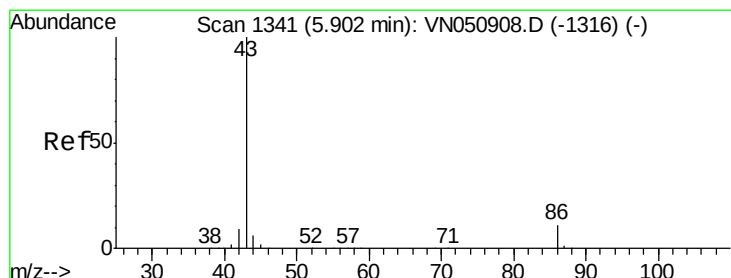
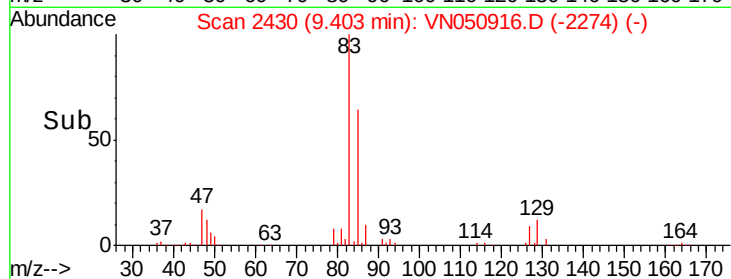
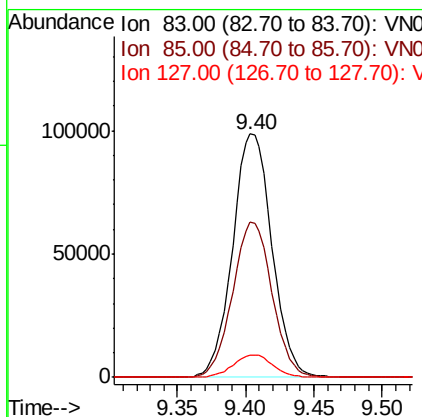
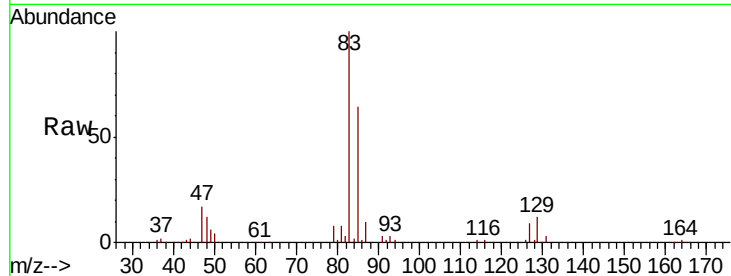
ClientSampleId :

VN0828WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 197486 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.5  | 52.6  | 78.8   |
| 127       | 9.1   | 7.0   | 10.4   |

Manual Integrations  
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#42

Vinyl Acetate

Concen: 100.31 ug/l

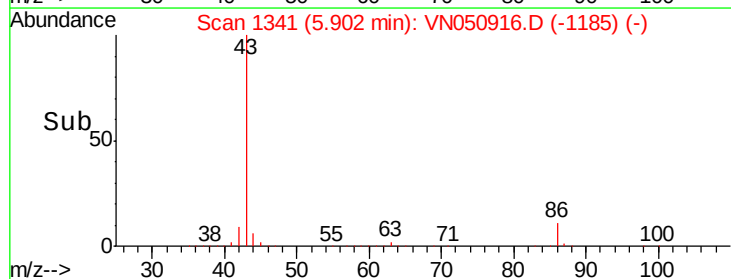
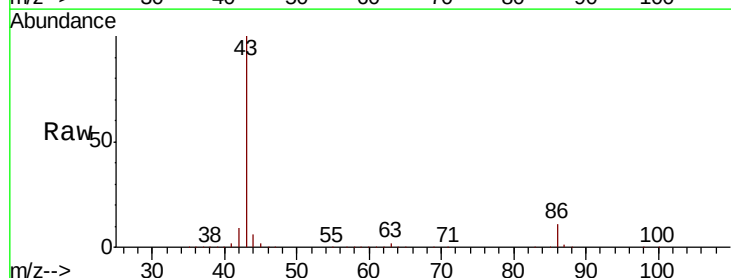
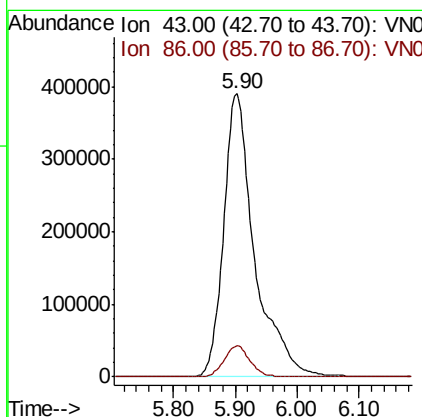
RT: 5.90 min Scan# 1341

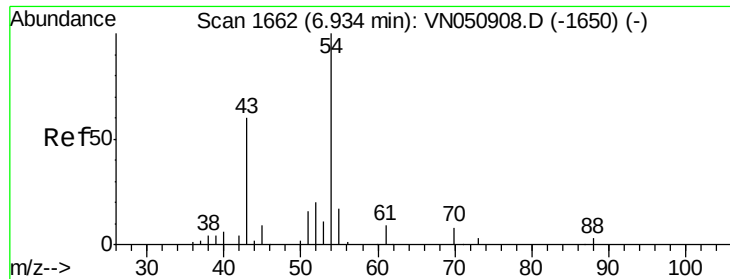
Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 43    | Resp: | 1356269 |
| Ion Ratio | Lower | Upper |         |
| 43        | 100   |       |         |
| 86        | 9.1   | 7.3   | 10.9    |





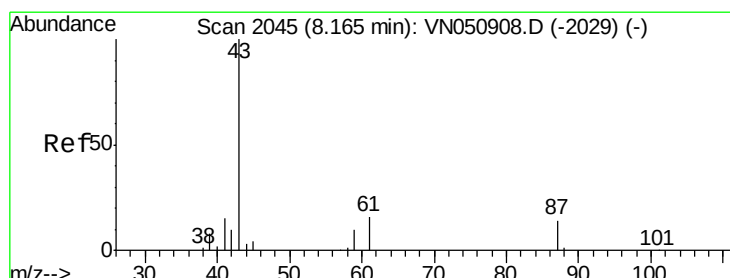
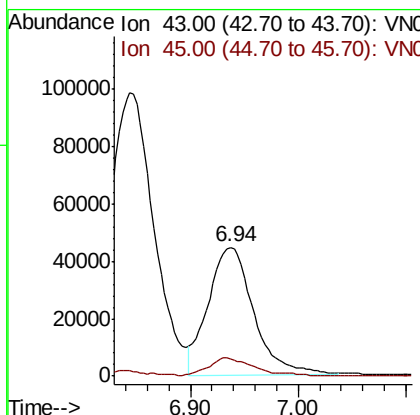
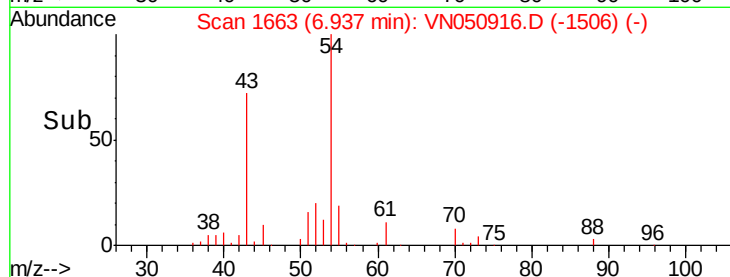
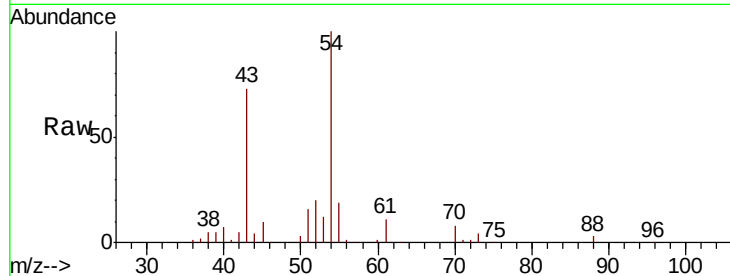
#43  
Ethyl Acetate  
Concen: 21.76 ug/l  
RT: 6.94 min Scan# 1663  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0828WBS01

Tot Ion: 43 Resp: 130849  
Ion Ratio Lower Upper  
43 100  
45 12.3 13.0 19.6#

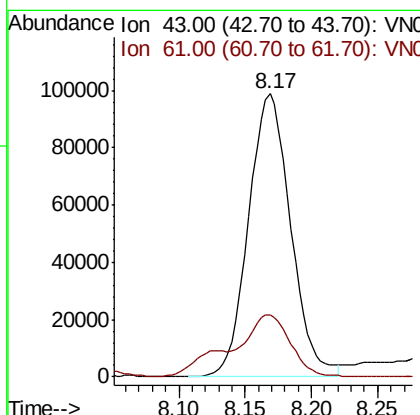
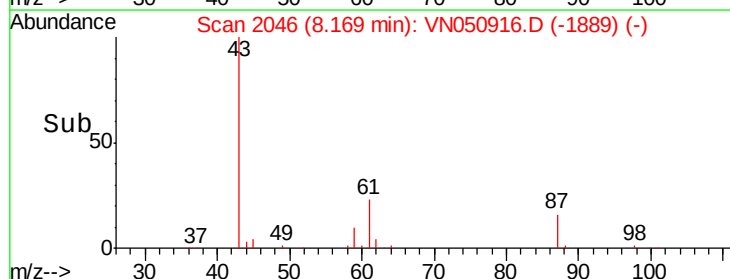
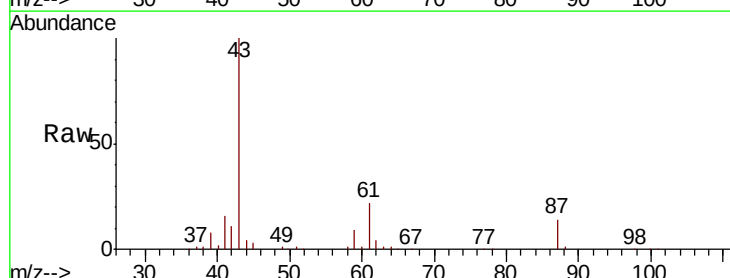
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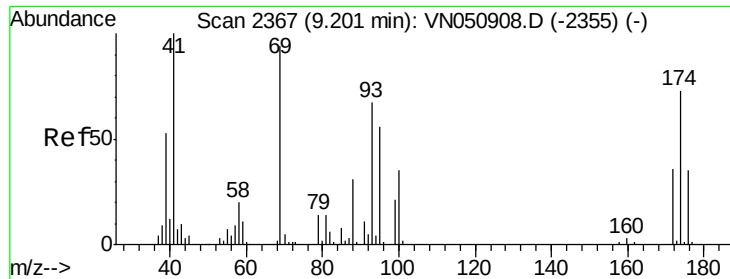
MMDadoda  
8/29/2018 11:10:20 AM



#44  
Isopropyl Acetate  
Concen: 20.52 ug/l  
RT: 8.17 min Scan# 2046  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

Tgt Ion: 43 Resp: 217699  
Ion Ratio Lower Upper  
43 100  
61 21.5 16.4 24.6





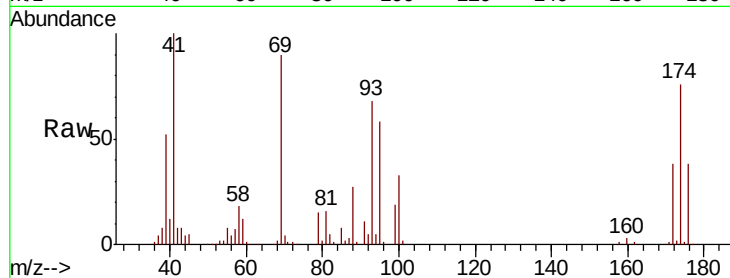
#45  
 1,4-Dioxane  
 Concen: 393.89 ug/l  
 RT: 9.20 min Scan# 2368  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0828WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 31.7  | 26.9  | 40.3  |
| 58      | 72.3  | 53.6  | 80.4  |

Manual Integrations  
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MMDadoda  
 8/29/2018 11:10:20 AM

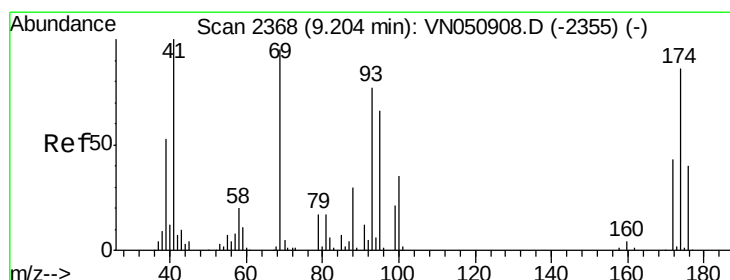
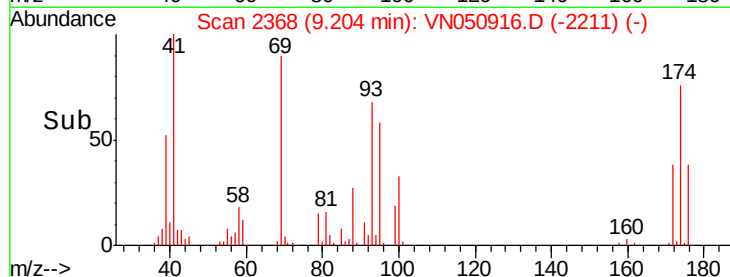
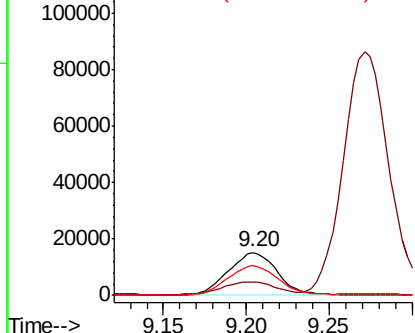


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46  
 Methyl methacrylate  
 Concen: 20.74 ug/l  
 RT: 9.20 min Scan# 2368  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

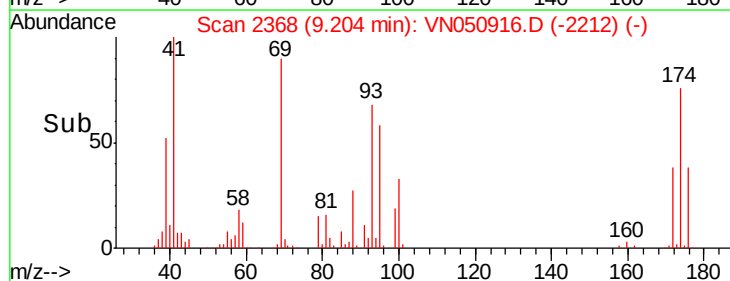
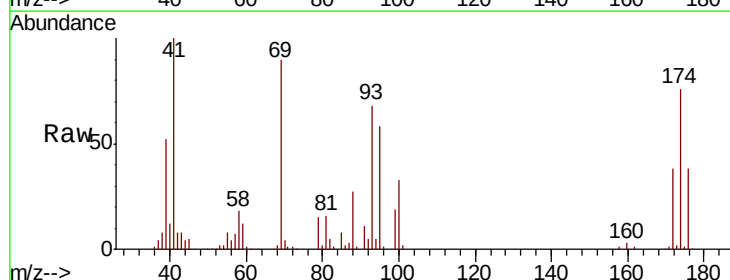
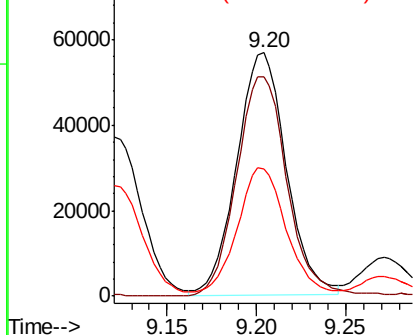
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 91.7  | 44.0  | 132.1 |
| 39      | 52.1  | 27.0  | 80.8  |

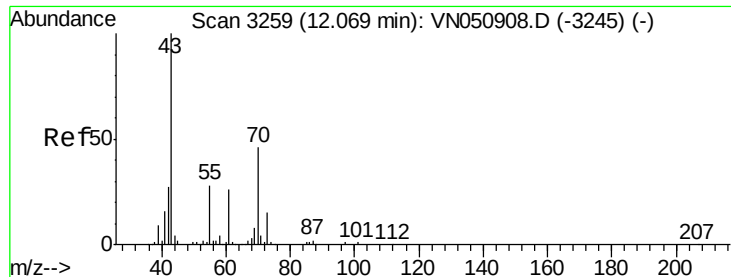
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 18.71 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

Instrument :

MSVOA\_N

ClientSampled :

VN0828WBS01

Tot Ion: 43 Resp: 159590

Ion Ratio Lower Upper

43 100

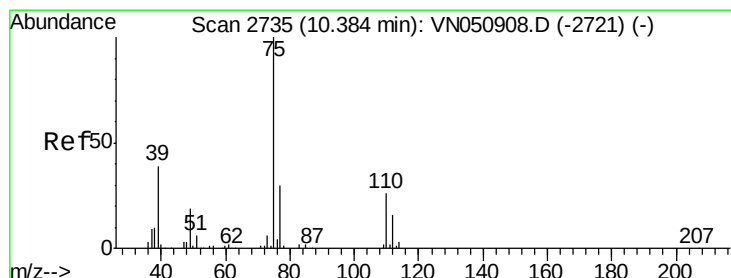
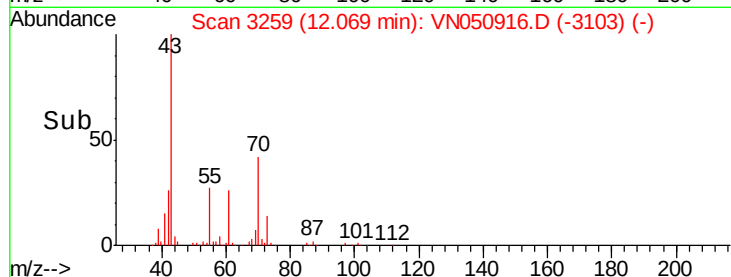
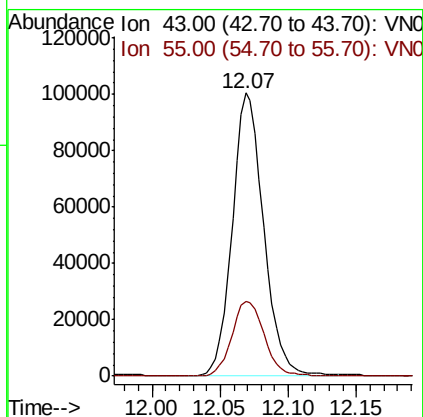
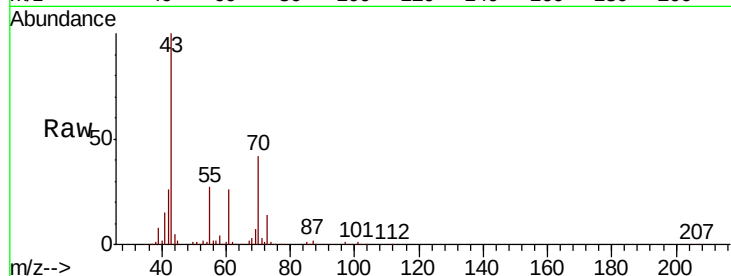
55 27.6 21.0 31.4

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#48

t-1,3-Dichloropropene

Concen: 19.47 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050916.D

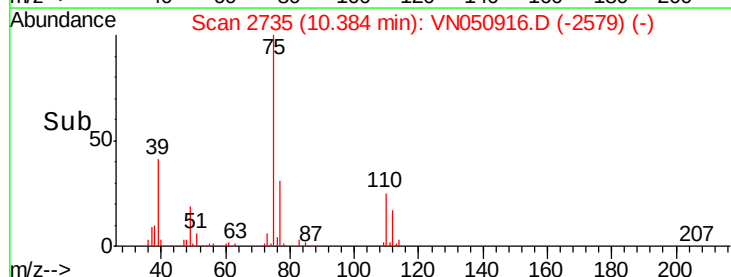
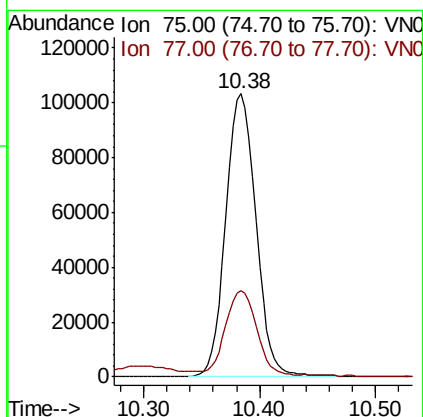
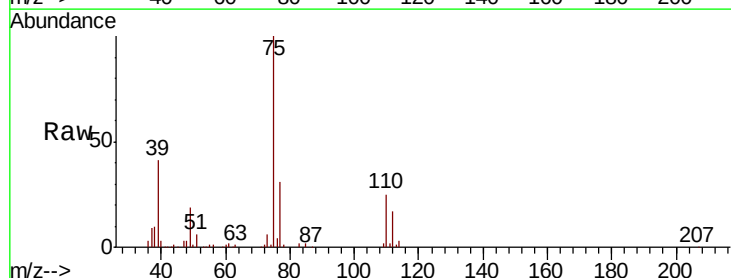
Acq: 28 Aug 2018 16:10

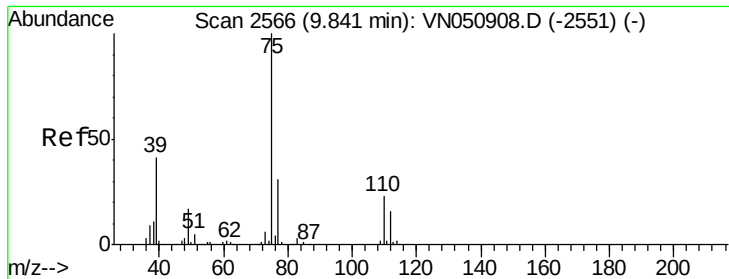
Tgt Ion: 75 Resp: 186865

Ion Ratio Lower Upper

75 100

77 30.3 24.6 37.0





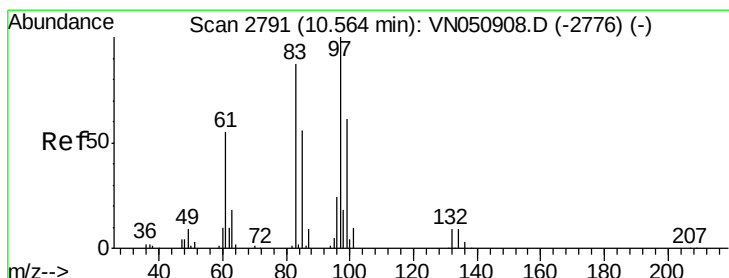
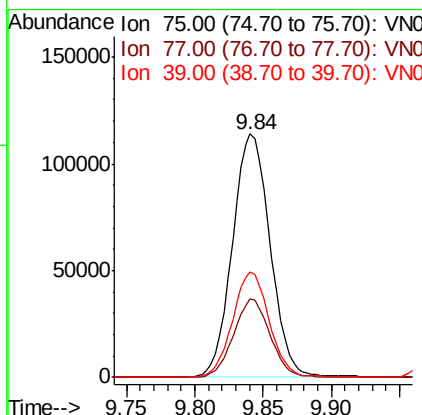
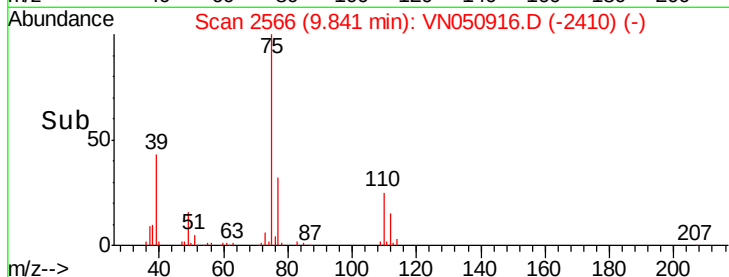
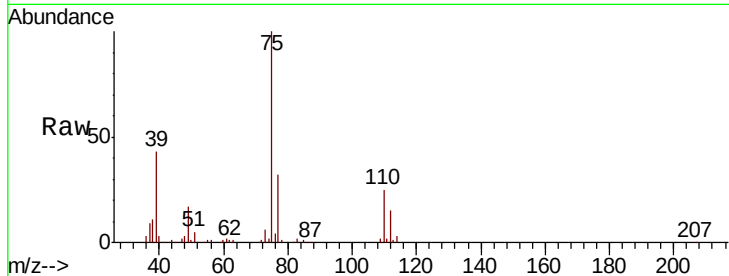
#49  
 cis-1,3-Dichloropropene  
 Concen: 19.82 ug/l  
 RT: 9.84 min Scan# 2566  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0828WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.1  | 25.7  | 38.5  |
| 39      | 43.1  | 36.3  | 54.5  |

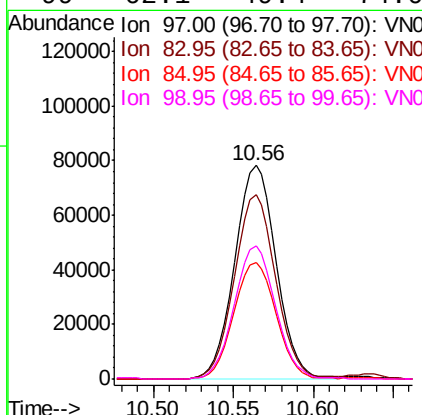
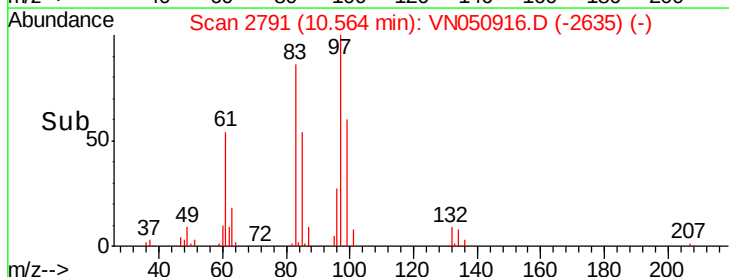
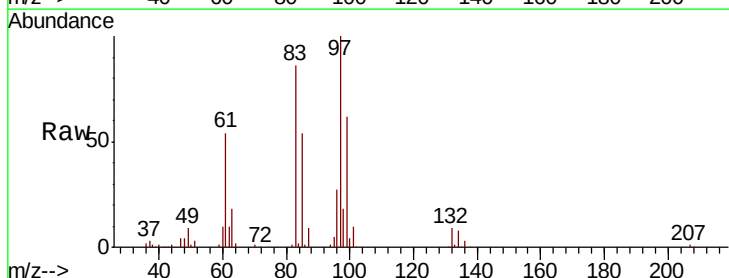
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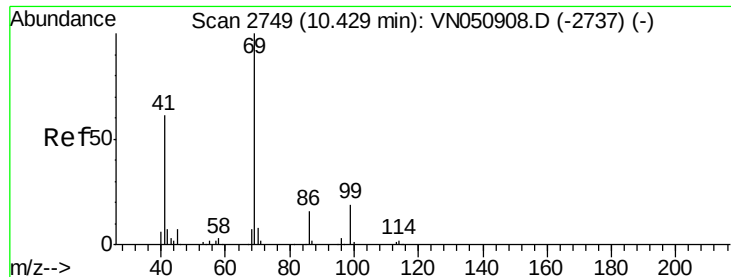
MMDadoda  
 8/29/2018 11:10:20 AM



#50  
 1,1,2-Trichloroethane  
 Concen: 20.50 ug/l  
 RT: 10.56 min Scan# 2791  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 86.0  | 68.1  | 102.1 |
| 85      | 54.2  | 45.4  | 68.2  |
| 99      | 62.1  | 49.4  | 74.0  |





#51

Ethyl methacrylate

Concen: 19.13 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

Instrument :

MSVOA\_N

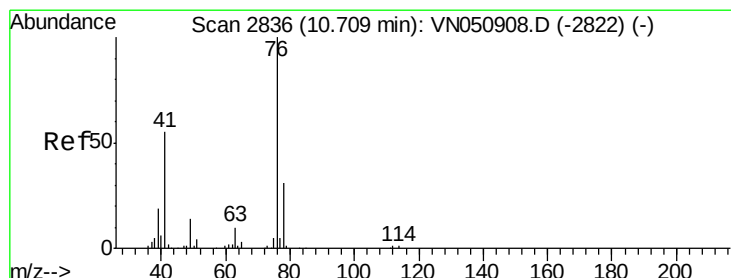
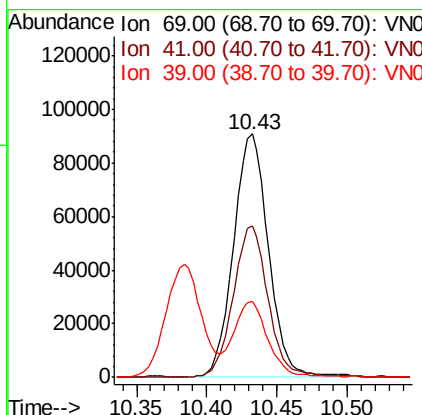
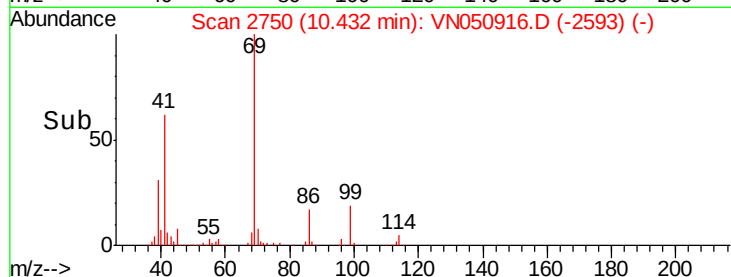
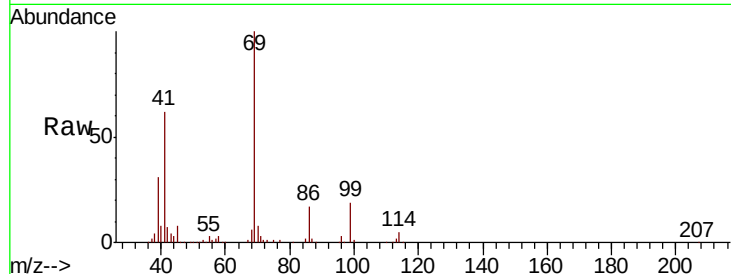
ClientSampled :

VN0828WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 69    | Resp: | 157920 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 62.1  | 31.9  | 95.9   |
| 39       | 30.6  | 16.7  | 50.1   |

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#52

1,3-Dichloropropane

Concen: 20.22 ug/l

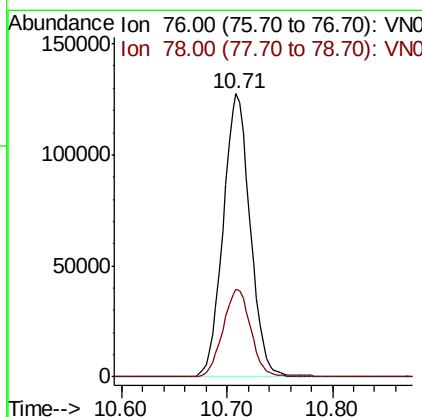
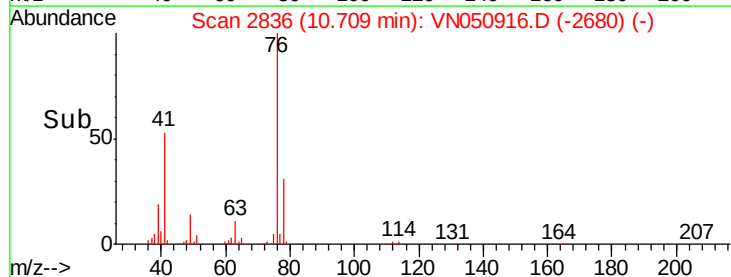
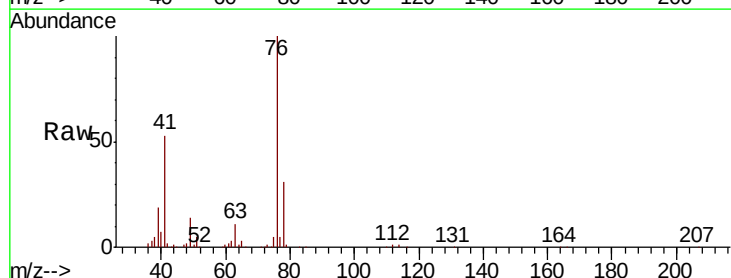
RT: 10.71 min Scan# 2836

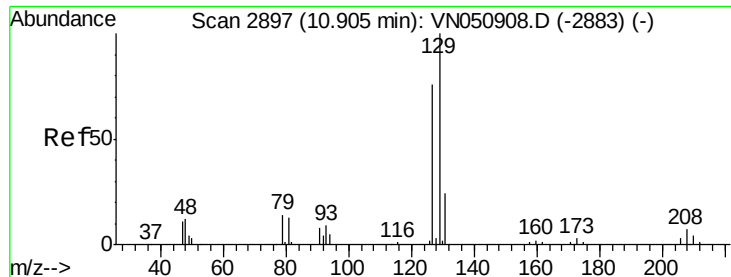
Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 76    | Resp: | 226006 |
| Ion      | Ratio | Lower | Upper  |
| 76       | 100   |       |        |
| 78       | 31.8  | 0.0   | 65.6   |





#53

Dibromochloromethane

Concen: 19.49 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

Instrument :

MSVOA\_N

ClientSampleId :

VN0828WBS01

Tot Ion:129 Resp: 149575

Ion Ratio Lower Upper

129 100

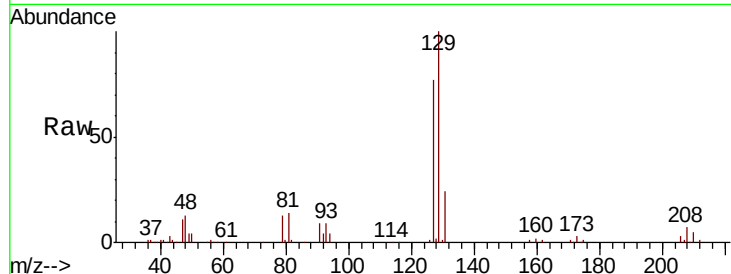
127 77.2 38.1 114.5

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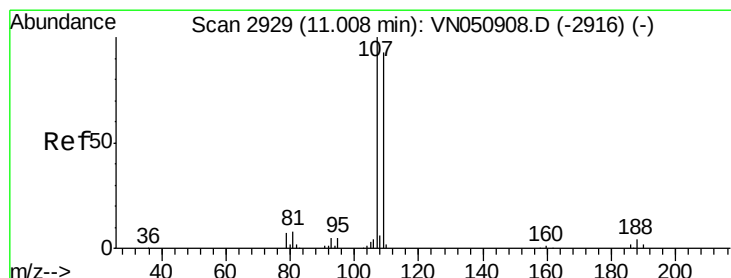
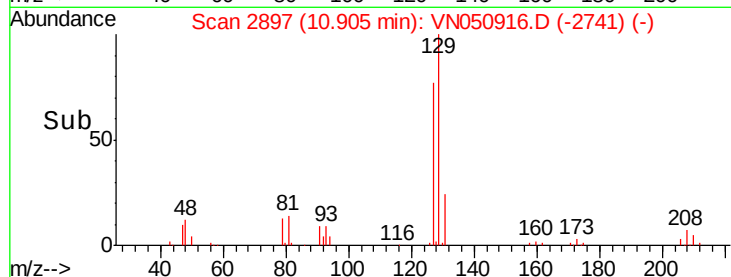
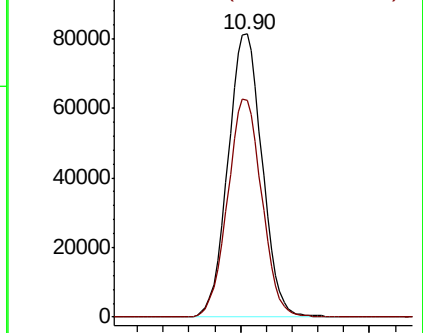
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.60 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050916.D

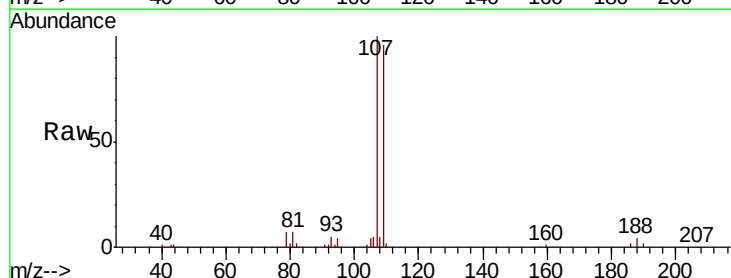
Acq: 28 Aug 2018 16:10

Tgt Ion:107 Resp: 130796

Ion Ratio Lower Upper

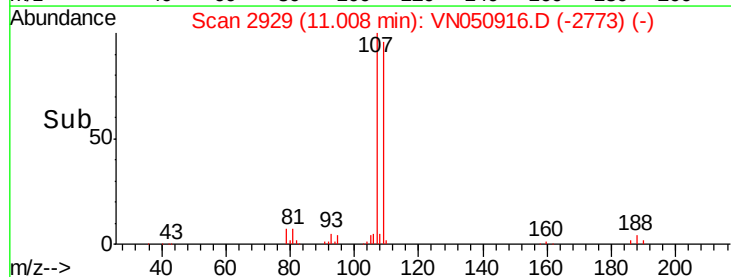
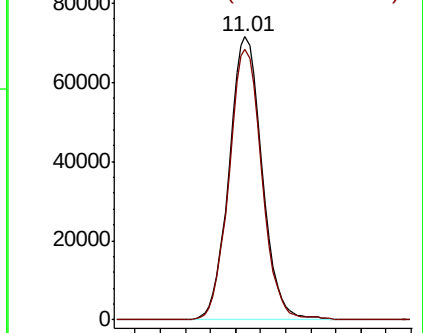
107 100

109 95.1 76.2 114.2

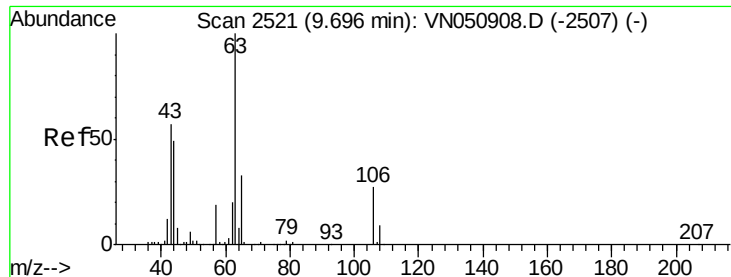


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V







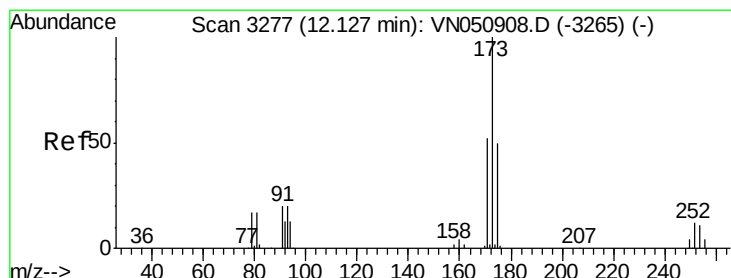
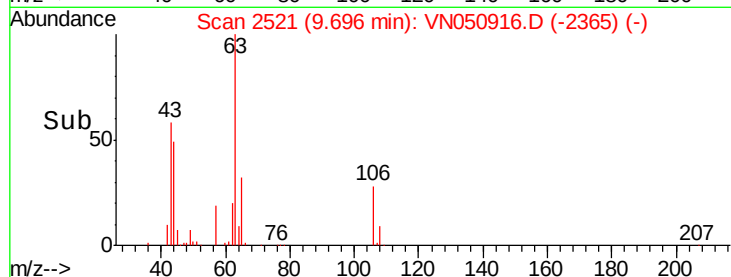
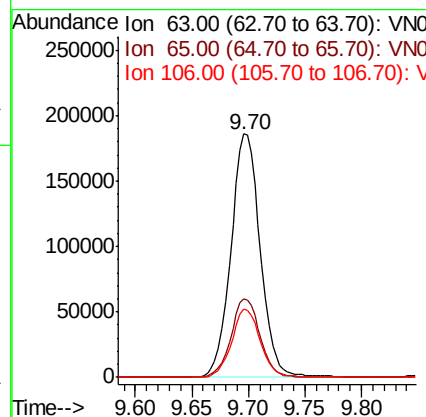
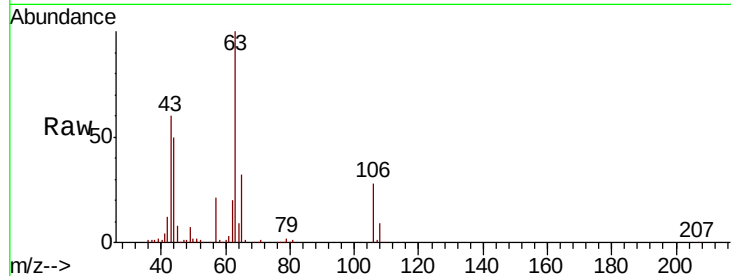
#55  
 2-Chloroethyl vinyl ether  
 Concen: 97.52 ug/l  
 RT: 9.70 min Scan# 2521  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0828WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.9  | 25.5  | 38.3  |
| 106     | 27.5  | 21.8  | 32.6  |

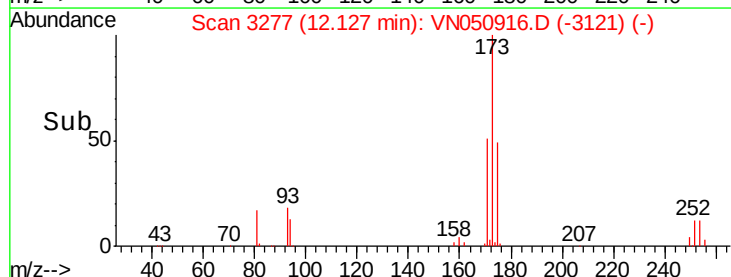
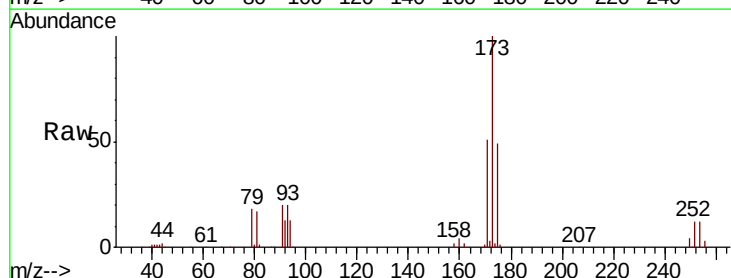
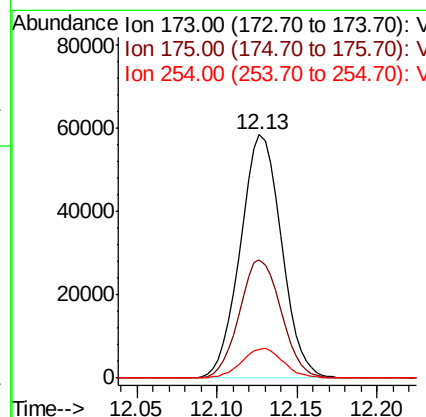
Manual Integrations  
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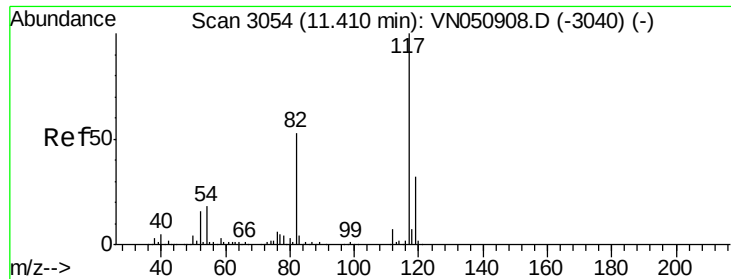
MMDadoda  
 8/29/2018 11:10:20 AM



#56  
 Bromoform  
 Concen: 18.83 ug/l  
 RT: 12.13 min Scan# 3277  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.1  | 38.6  | 57.8  |
| 254     | 12.2  | 8.8   | 13.2  |





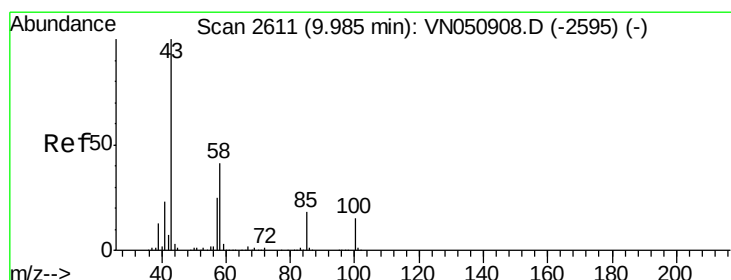
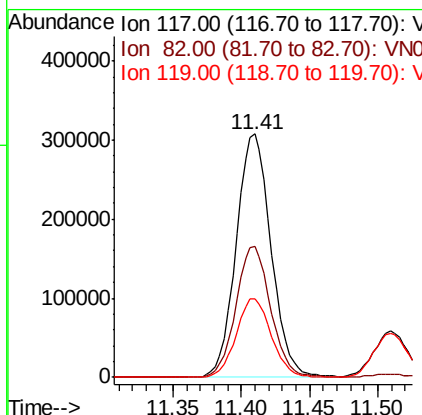
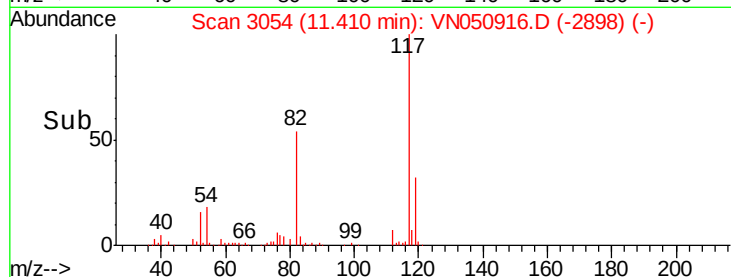
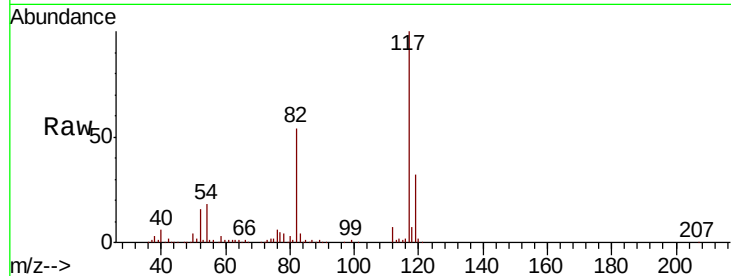
#57  
Chlorobenzene-d5  
Concen: 30.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0828WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 546009 |       |       |
| 82      | 53.9  |        | 42.4  | 63.6  |
| 119     | 32.5  |        | 25.4  | 38.0  |

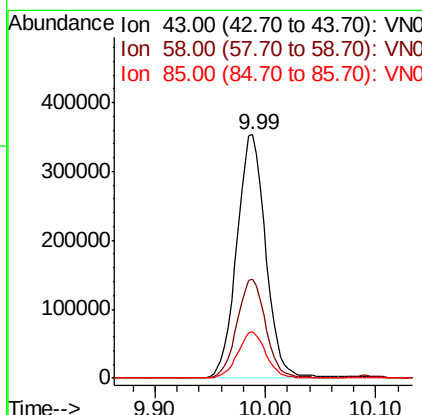
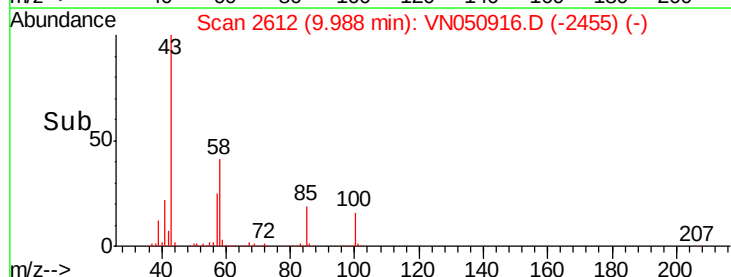
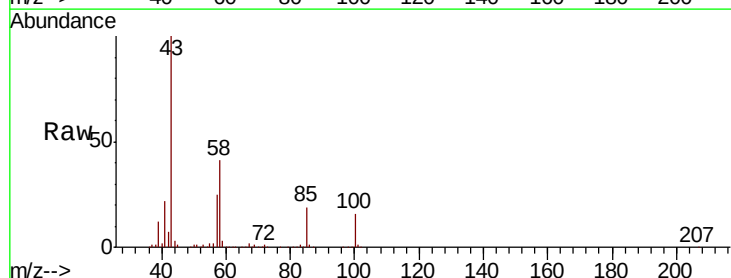
Manual Integrations  
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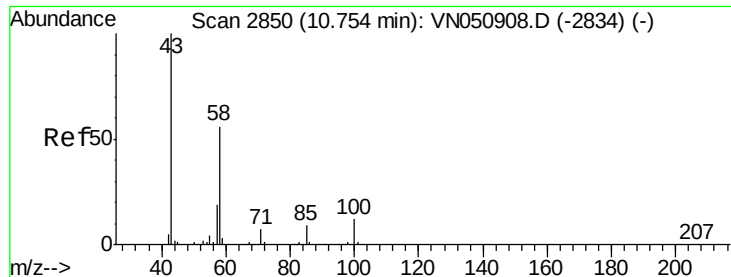
MMDadoda  
8/29/2018 11:10:20 AM



#58  
4-Methyl-2-Pentanone  
Concen: 102.45 ug/l  
RT: 9.99 min Scan# 2612  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 640028 |       |       |
| 58      | 40.6  |        | 31.2  | 46.8  |
| 85      | 18.6  |        | 14.4  | 21.6  |





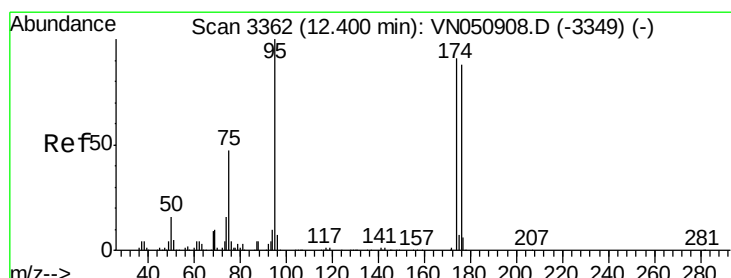
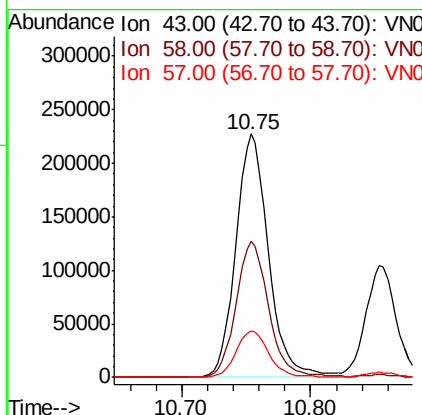
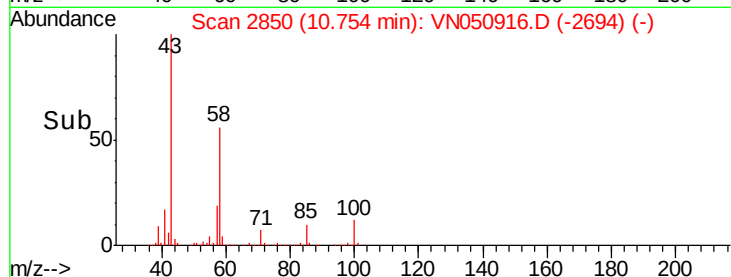
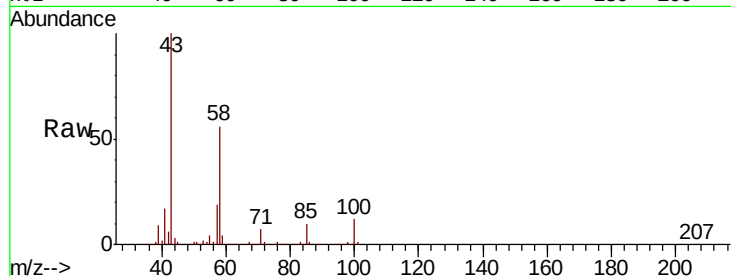
#59  
2-Hexanone  
Concen: 97.75 ug/l  
RT: 10.75 min Scan# 2850  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0828WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 56.0  | 43.8  | 65.8  |
| 57      | 19.3  | 15.1  | 22.7  |

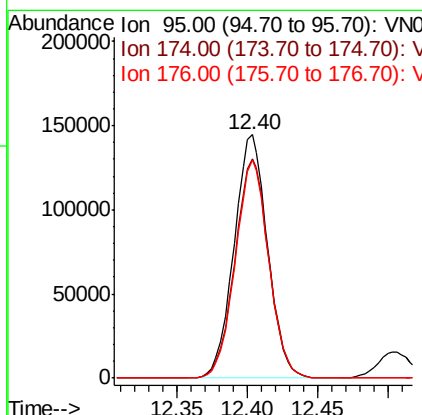
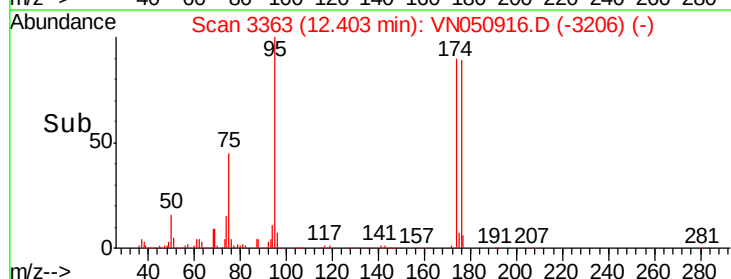
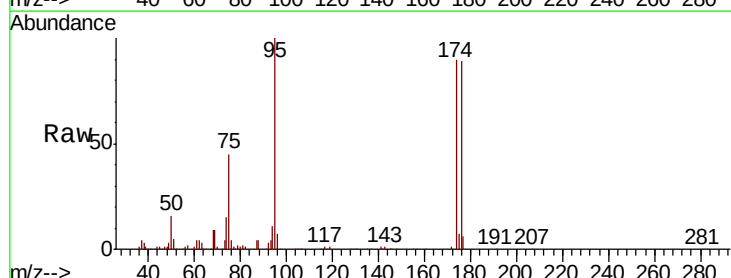
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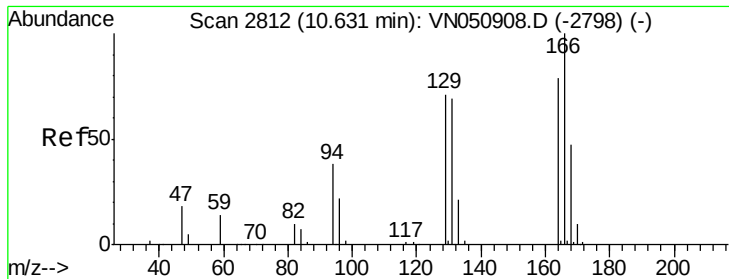
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8/29/2018 11:10:20 AM



#60  
4-Bromofluorobenzene  
Concen: 29.66 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 91.1  | 72.3  | 108.5 |
| 176     | 88.9  | 70.0  | 105.0 |





#61

Tetrachloroethene

Concen: 20.74 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

Instrument :

MSVOA\_N

ClientSampleId :

VN0828WBS01

Tot Ion:164 Resp: 141098

Ion Ratio Lower Upper

164 100

166 124.7 100.0 150.0

129 88.5 69.3 103.9

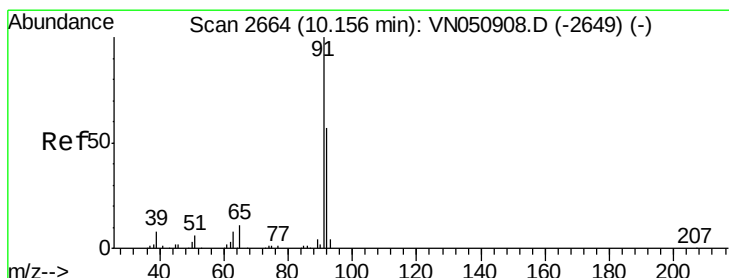
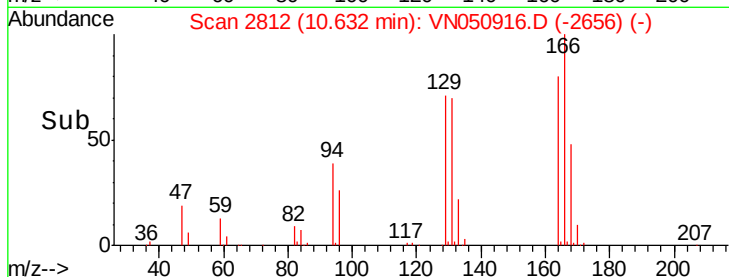
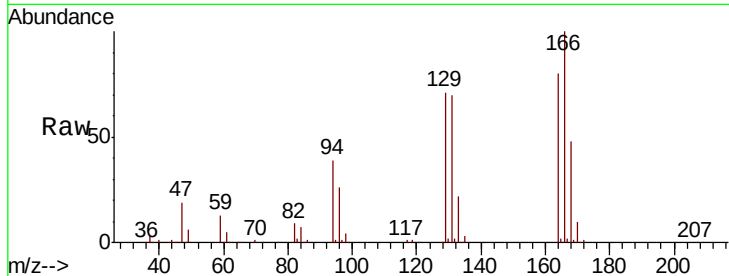
131 86.6 68.8 103.2

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#62

Toluene

Concen: 20.75 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050916.D

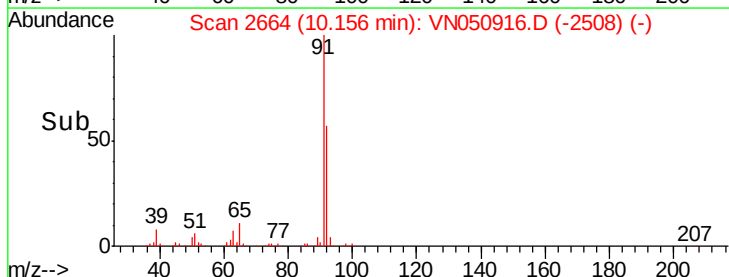
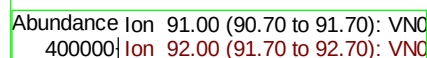
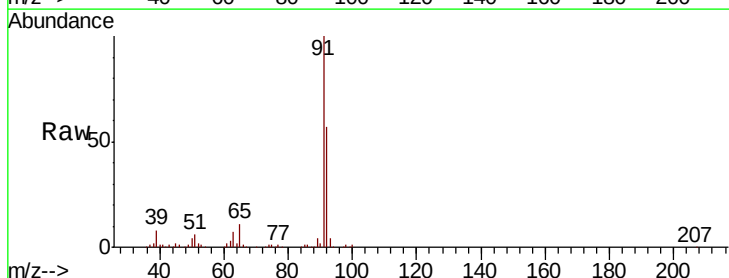
Acq: 28 Aug 2018 16:10

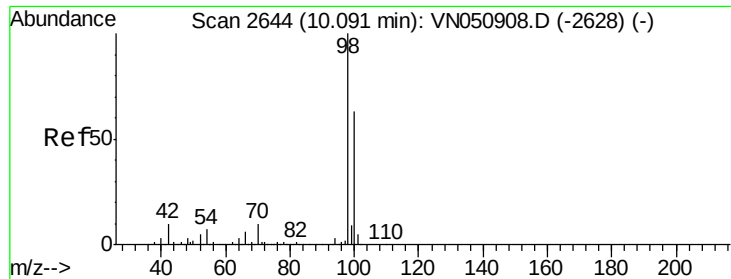
Tgt Ion: 91 Resp: 632182

Ion Ratio Lower Upper

91 100

92 57.5 45.7 68.5





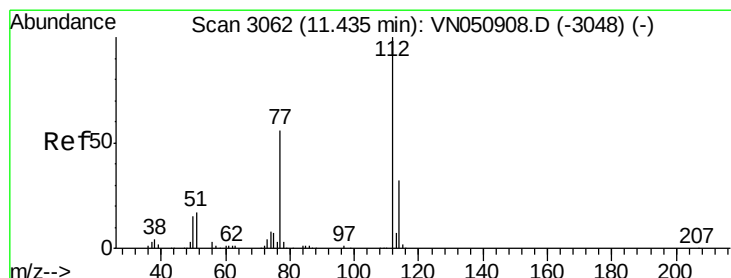
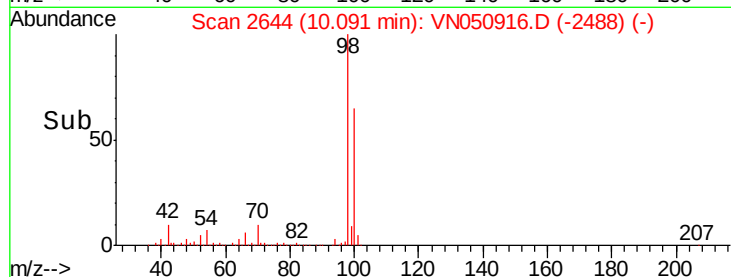
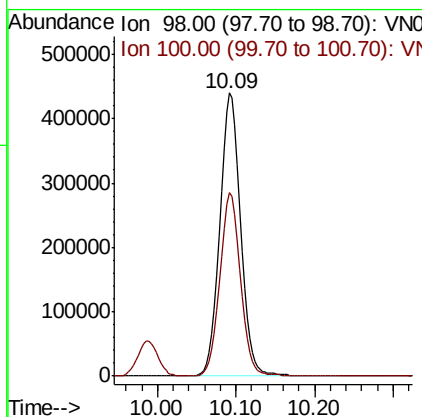
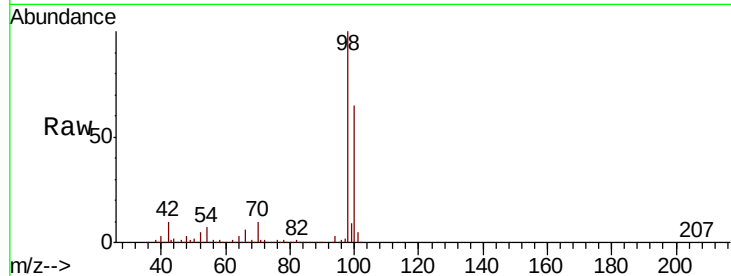
#63  
Toluene-d8  
Concen: 31.40 ug/l  
RT: 10.09 min Scan# 2644  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0828WBS01

Tot Ion: 98 Resp: 799642  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.2 76.8

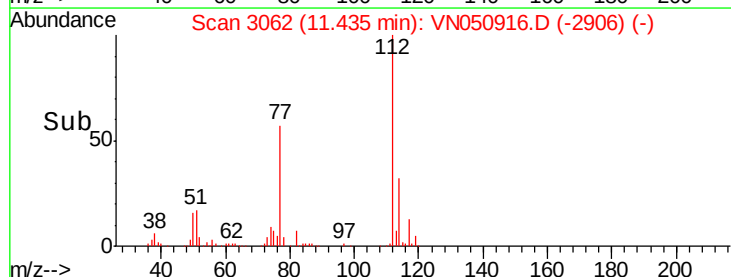
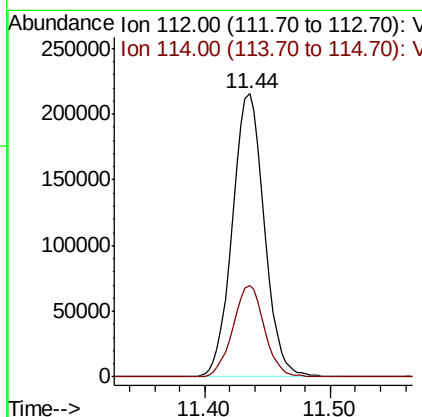
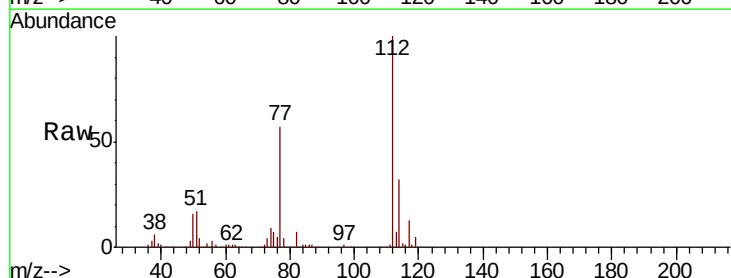
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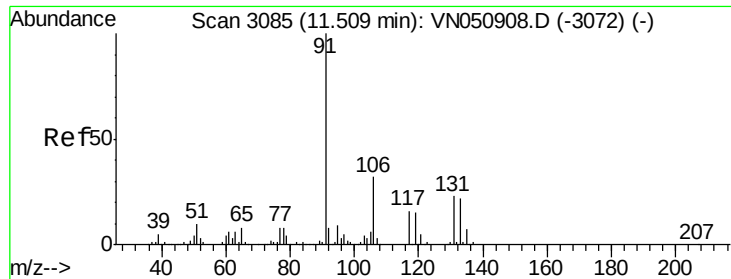
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#64  
Chlorobenzene  
Concen: 20.19 ug/l  
RT: 11.44 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

Tgt Ion: 112 Resp: 381079  
Ion Ratio Lower Upper  
112 100  
114 32.3 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.83 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

Instrument :

MSVOA\_N

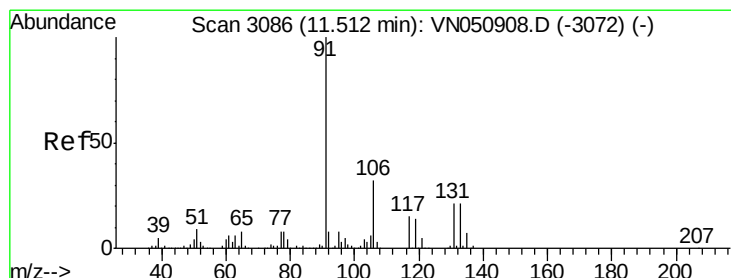
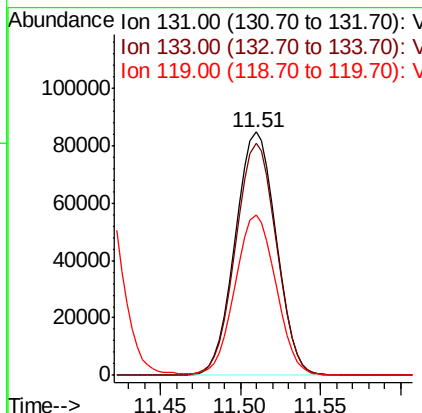
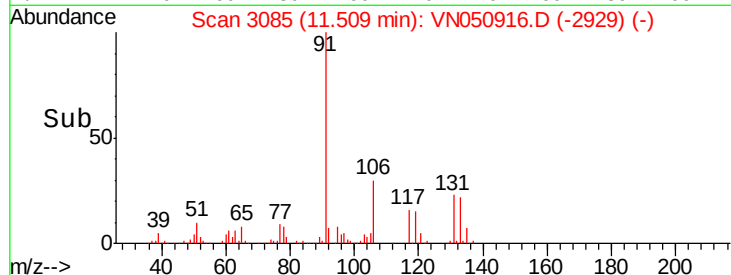
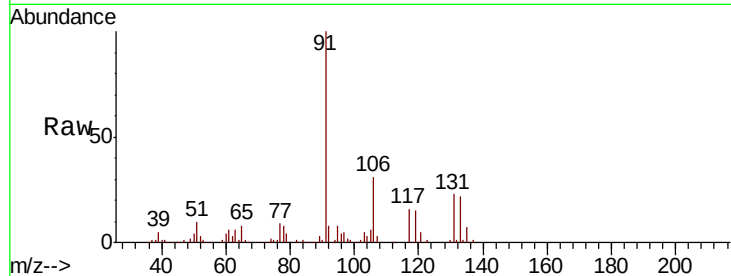
ClientSampled :

VN0828WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 131   | Resp: | 148511 |
| Ion Ratio | Lower | Upper |        |
| 131       | 100   |       |        |
| 133       | 95.4  | 0.0   | 190.0  |
| 119       | 65.6  | 0.0   | 131.6  |

Manual Integrations  
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#66

Ethyl Benzene

Concen: 20.04 ug/l

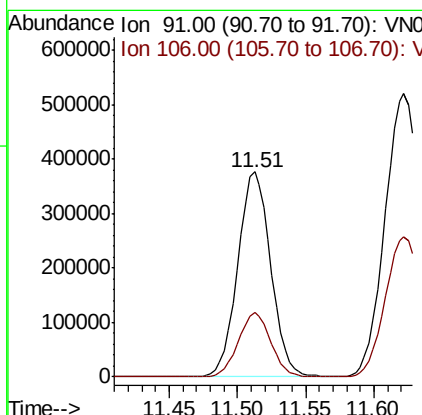
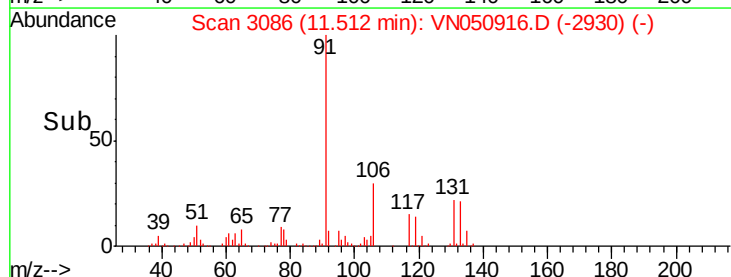
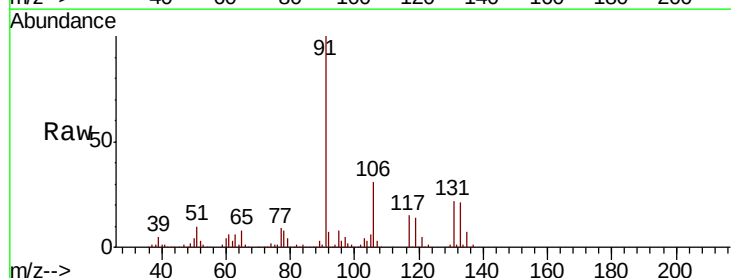
RT: 11.51 min Scan# 3086

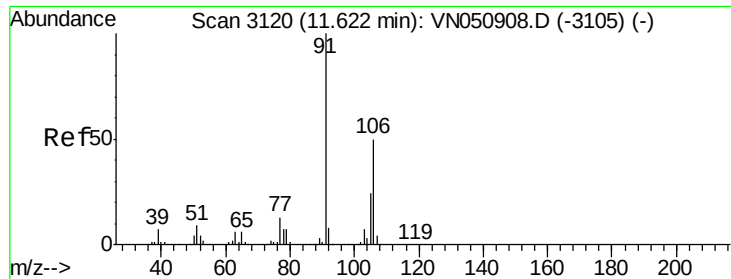
Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 632415 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 31.2  | 25.1  | 37.7   |





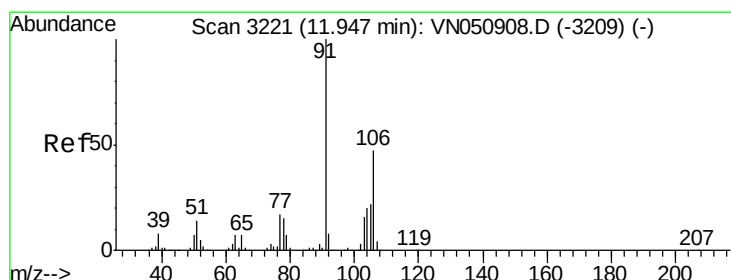
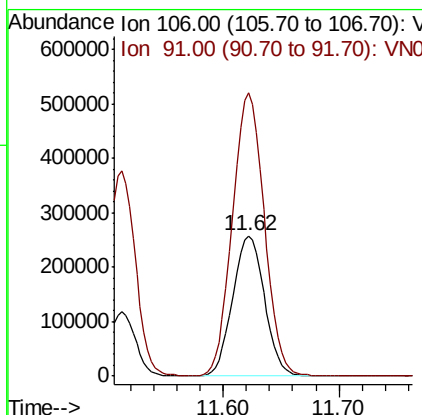
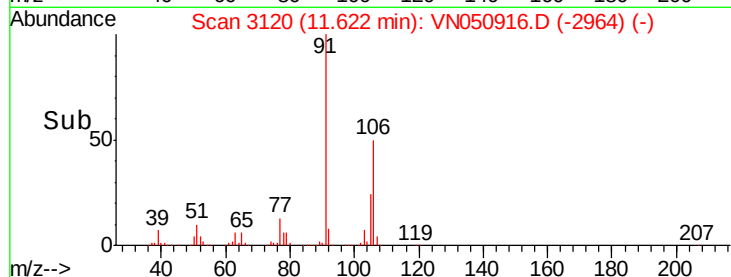
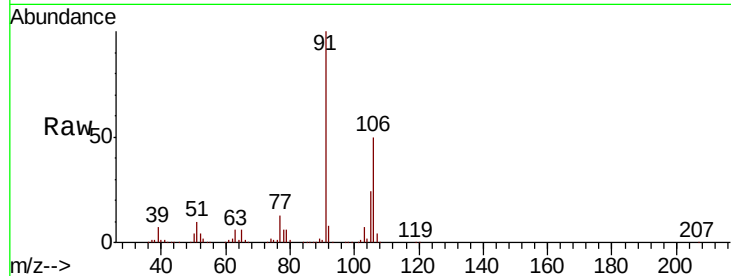
#67  
m/p-Xylenes  
Concen: 40.38 ug/l  
RT: 11.62 min Scan# 3120  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0828WBS01

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 490263 |       |       |
| 91      | 202.3 | 162.5 | 243.7  |       |       |

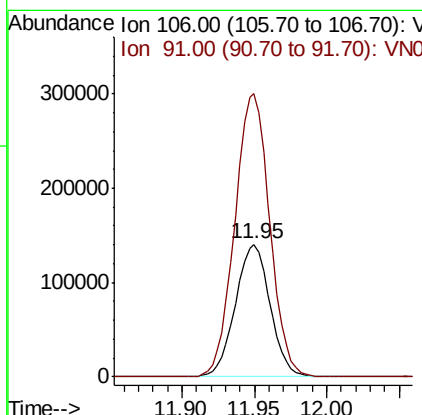
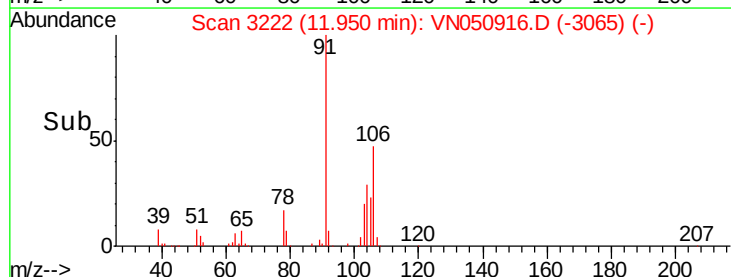
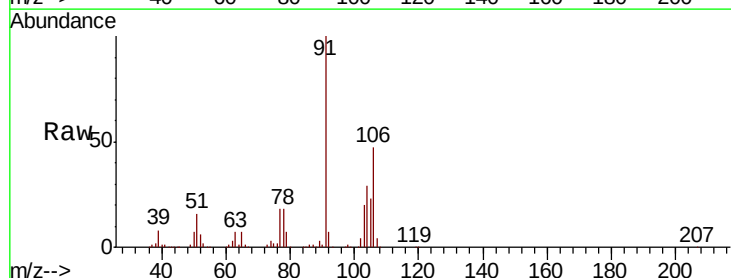
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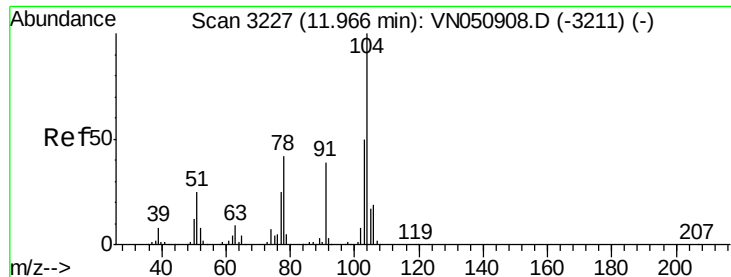
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#68  
o-Xylene  
Concen: 20.15 ug/l  
RT: 11.95 min Scan# 3222  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 233781 |       |       |
| 91      | 215.2 | 106.8 | 320.4  |       |       |





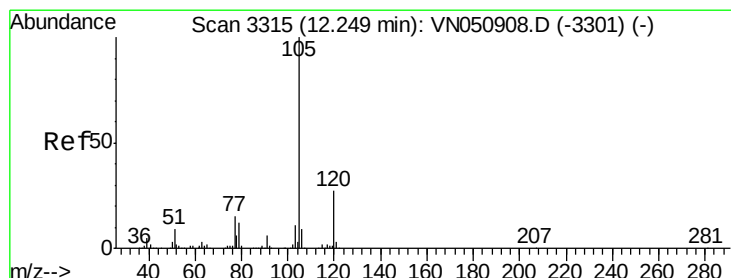
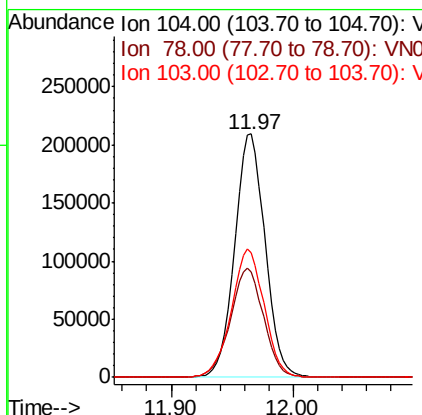
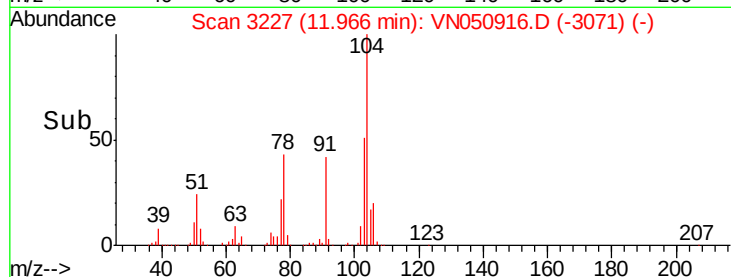
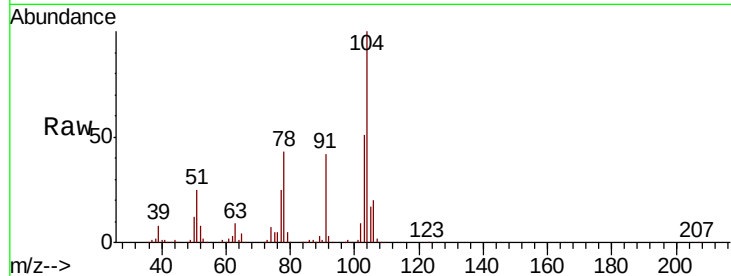
#69  
Stvrene  
Concen: 19.66 ug/l  
RT: 11.97 min Scan# 3227  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0828WBS01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 362529 |       |       |
| 78      | 49.2 | 39.3  | 58.9   |       |       |
| 103     | 56.9 | 44.5  | 66.7   |       |       |

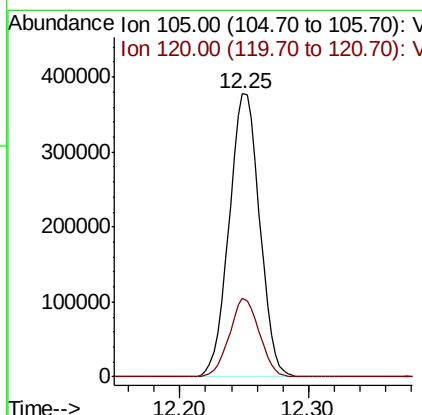
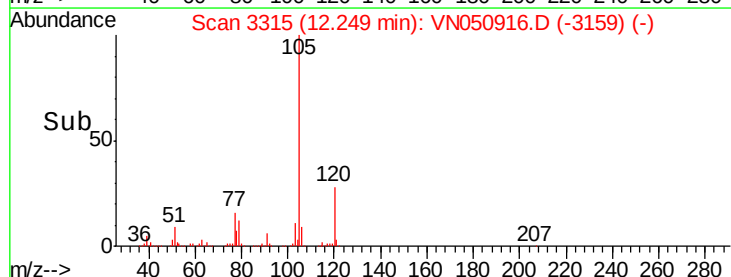
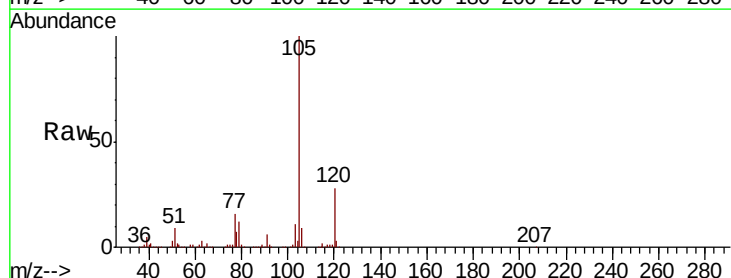
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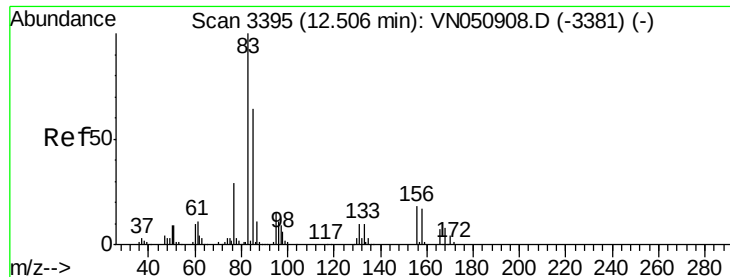


#70  
Isopropylbenzene  
Concen: 20.14 ug/l  
RT: 12.25 min Scan# 3315  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 105     | 100  |       | 620674 |       |       |
| 120     | 27.2 | 18.9  | 35.1   |       |       |







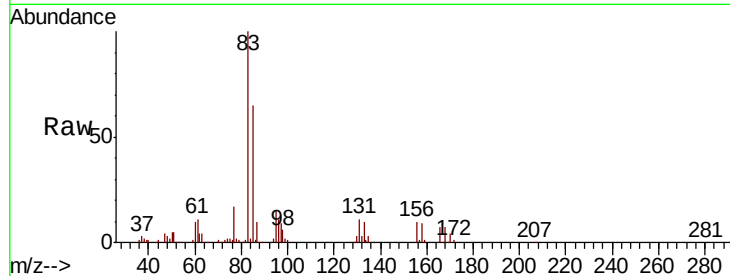
#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 20.35 ug/l  
 RT: 12.50 min Scan# 3394  
 Delta R.T. -0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0828WBS01

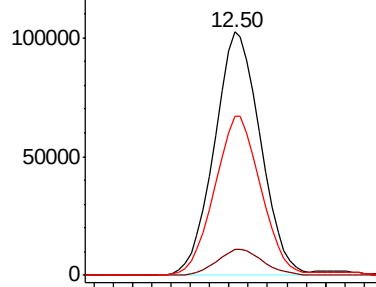
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 131     | 10.9  | 5.2   | 15.6  |
| 85      | 65.8  | 31.7  | 95.1  |

Manual Integrations  
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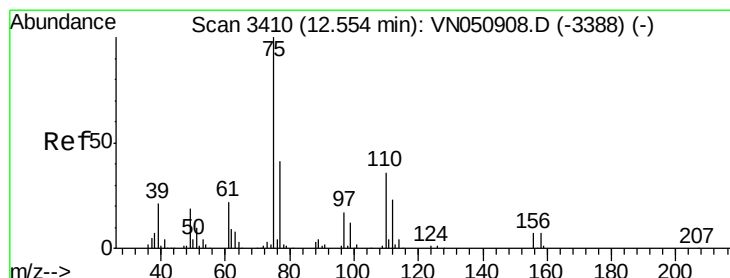
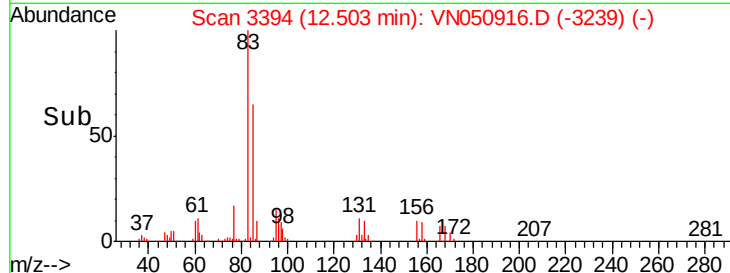
MMDadoda  
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Abundance Ion 83.00 (82.70 to 83.70): VN050916.D (-3239) (-)  
 Ion 131.00 (130.70 to 131.70): VN050916.D (-3239) (-)  
 Ion 85.00 (84.70 to 85.70): VN050916.D (-3239) (-)

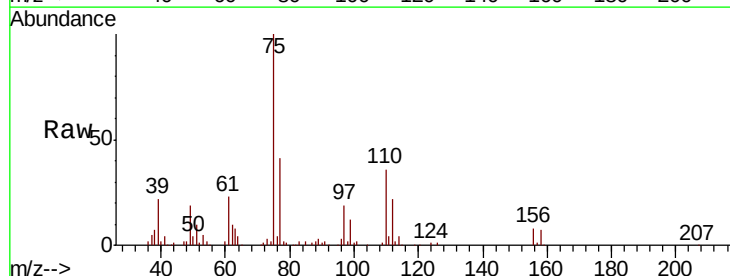


Time-->

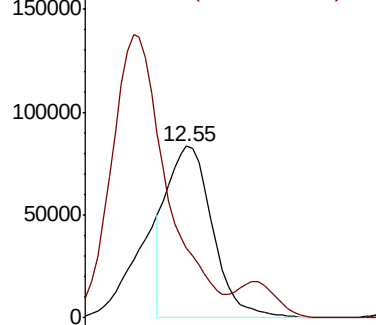


#72  
 1,2,3-Trichloropropane  
 Concen: 21.78 ug/l m  
 RT: 12.55 min Scan# 3410  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

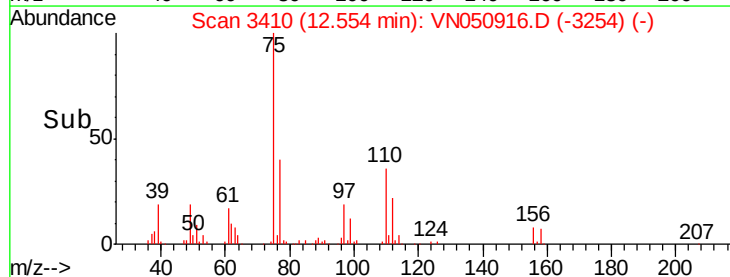
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 202.0 | 0.0   | 454.4 |

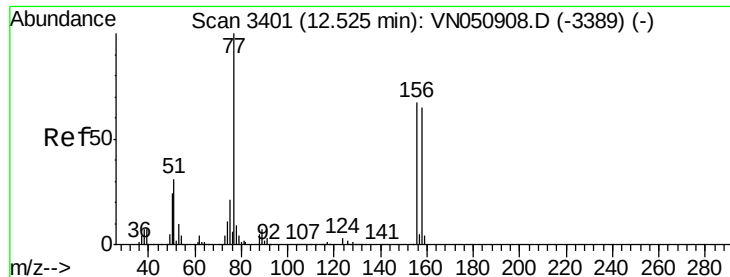


Abundance Ion 75.00 (74.70 to 75.70): VN050916.D (-3254) (-)  
 Ion 77.00 (76.70 to 77.70): VN050916.D (-3254) (-)



Time-->





#73

Bromobenzene

Concen: 19.85 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

Instrument :

MSVOA\_N

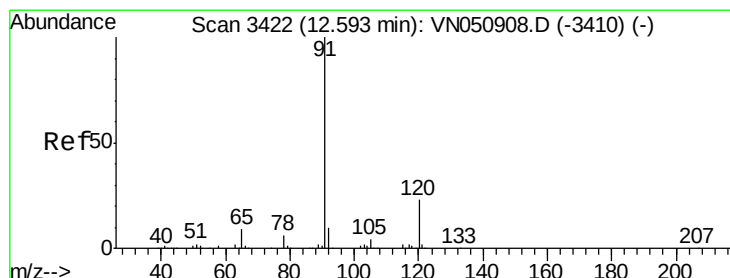
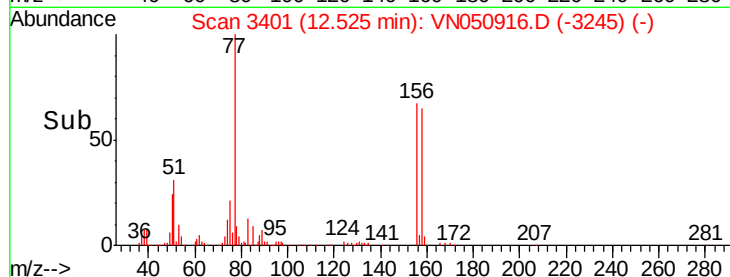
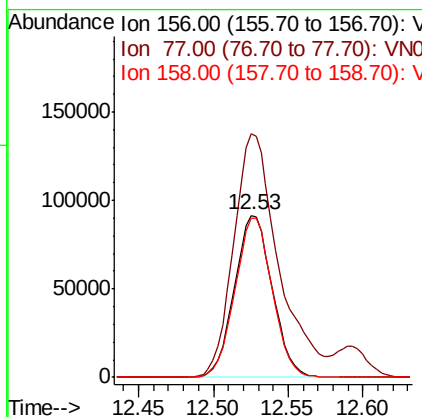
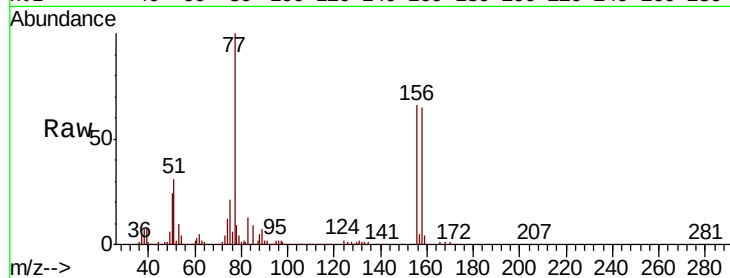
ClientSampleId :

VN0828WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 160954 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 179.2 | 0.0   | 359.8  |
| 158       | 96.7  | 0.0   | 192.8  |

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#74

n-propylbenzene

Concen: 19.82 ug/l

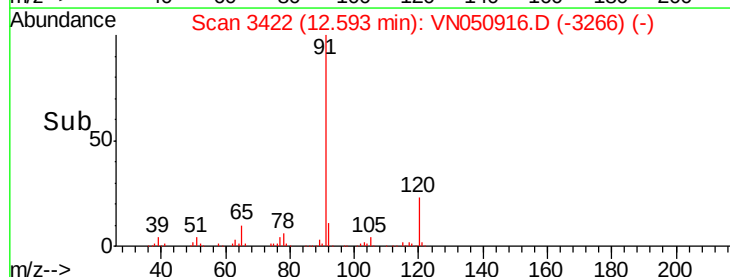
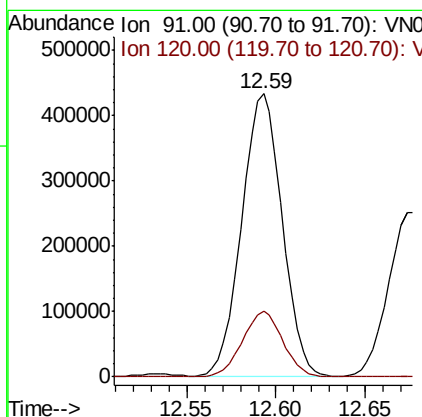
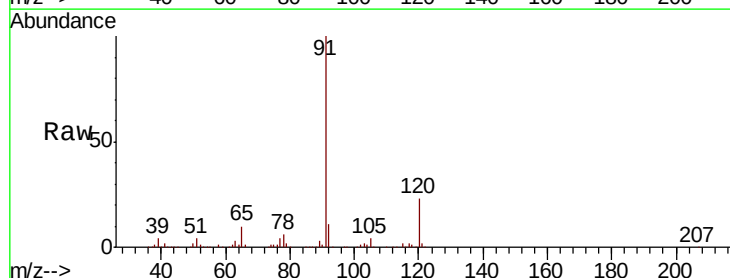
RT: 12.59 min Scan# 3422

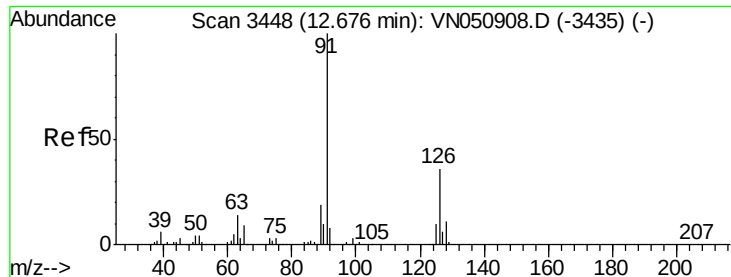
Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 690767 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.1  | 0.0   | 46.4   |





#75

2-Chlorotoluene

Concen: 20.02 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

Instrument :

MSVOA\_N

ClientSampled :

VN0828WBS01

Tot Ion: 91 Resp: 423785

Ion Ratio Lower Upper

91 100

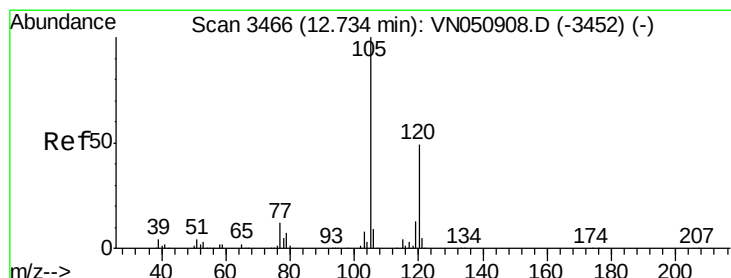
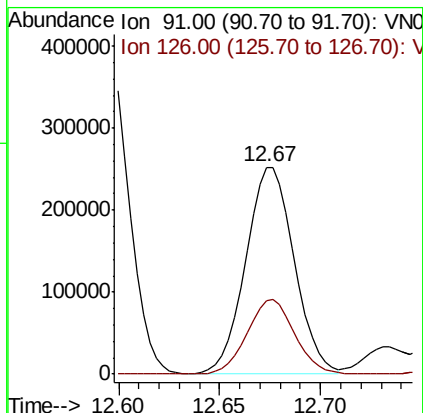
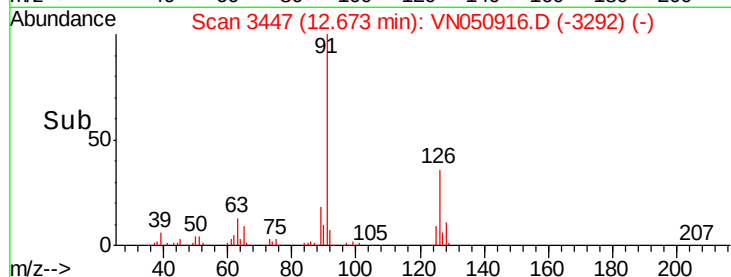
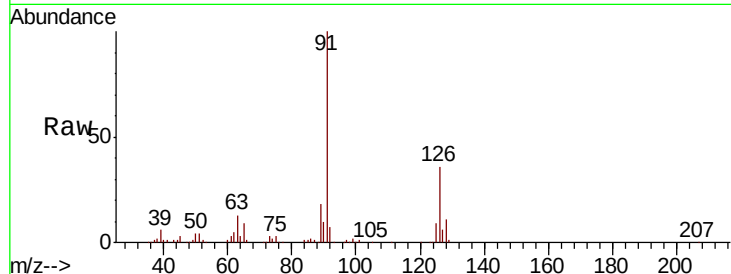
126 35.4 0.0 68.6

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.26 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050916.D

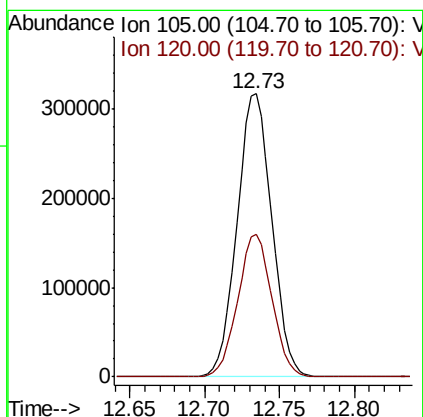
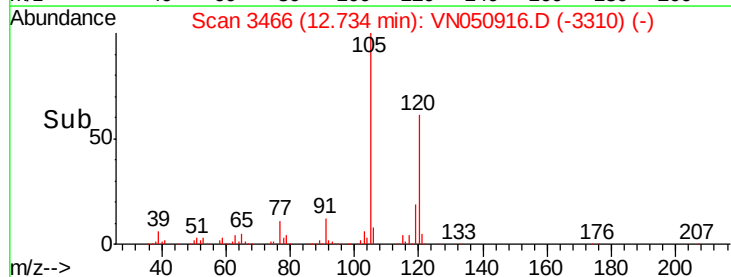
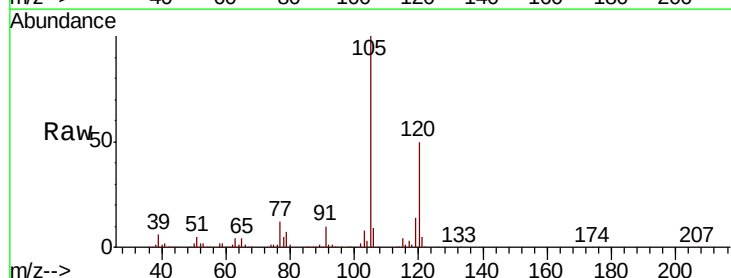
Acq: 28 Aug 2018 16:10

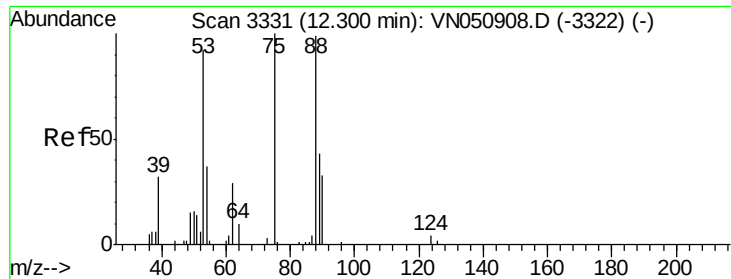
Tgt Ion: 105 Resp: 510306

Ion Ratio Lower Upper

105 100

120 49.9 0.0 98.0





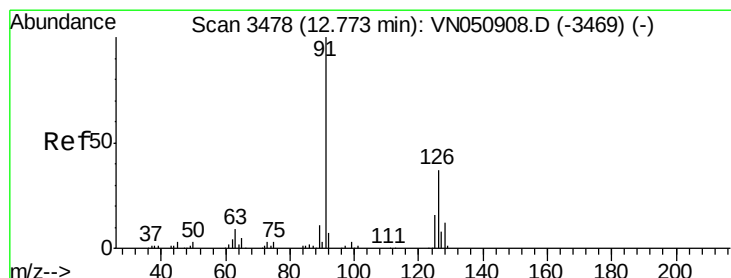
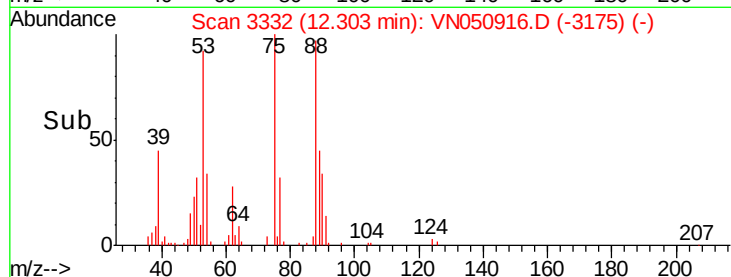
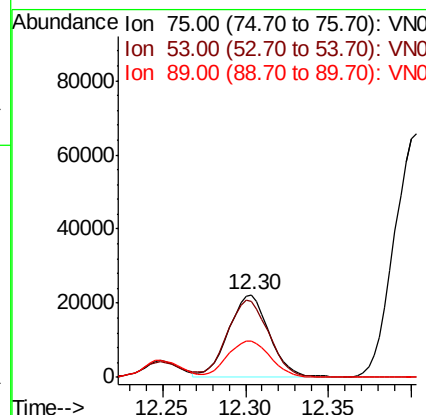
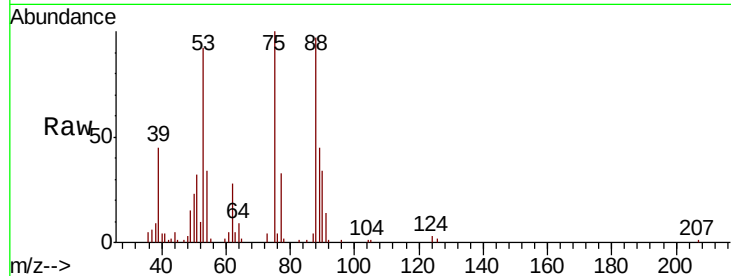
#77  
t-1,4-Dichloro-2-butene  
Concen: 18.67 ug/l  
RT: 12.30 min Scan# 3332  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0828WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 92.4  | 44.6  | 134.0 |
| 89      | 44.6  | 20.7  | 62.1  |

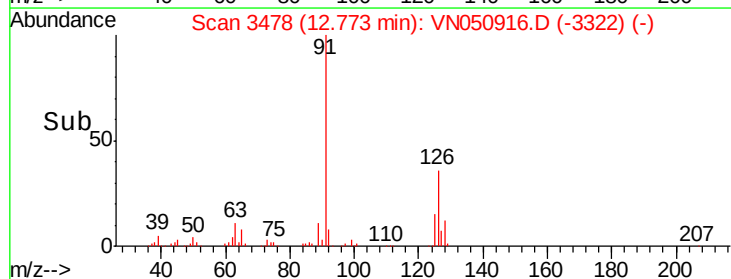
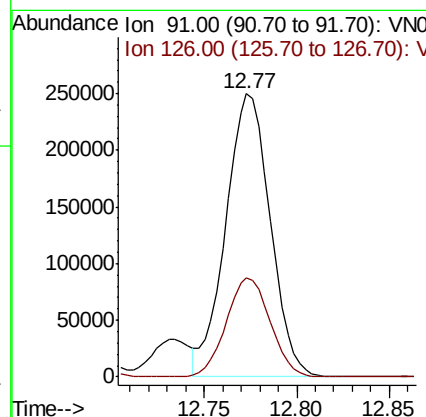
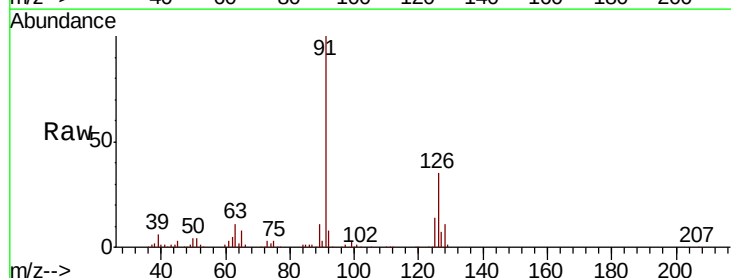
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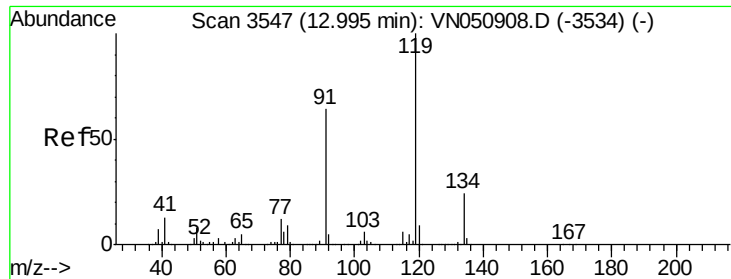
MMDadoda  
8/29/2018 11:10:20 AM



#78  
4-Chlorotoluene  
Concen: 19.92 ug/l  
RT: 12.77 min Scan# 3478  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.7  | 0.0   | 68.4  |





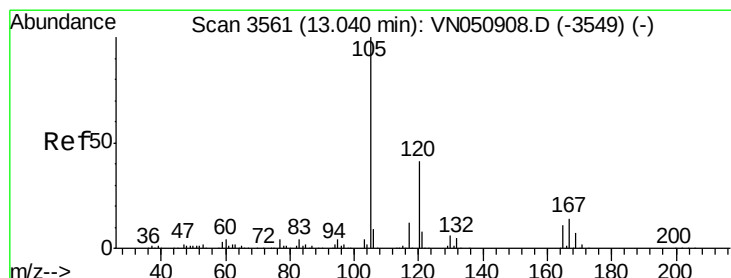
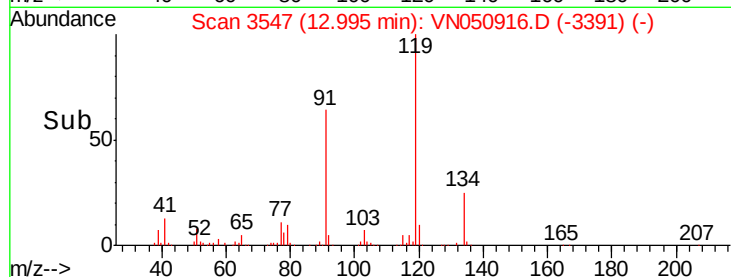
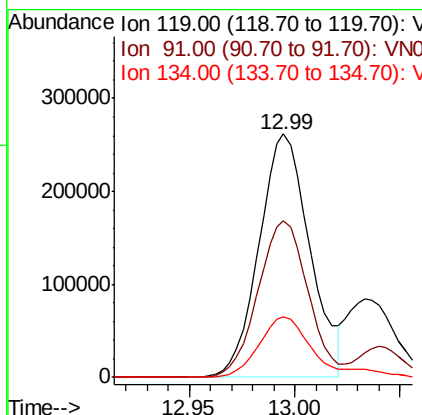
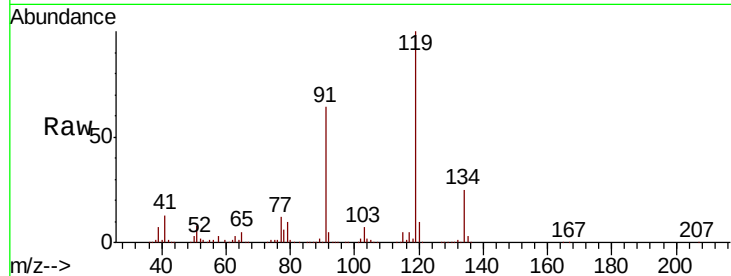
#79  
 tert-butylbenzene  
 Concen: 20.06 ug/l  
 RT: 12.99 min Scan# 3547  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0828WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 438830 |       |       |
| 91      | 63.4  |        | 0.0   | 126.8 |
| 134     | 27.2  |        | 0.0   | 47.4  |

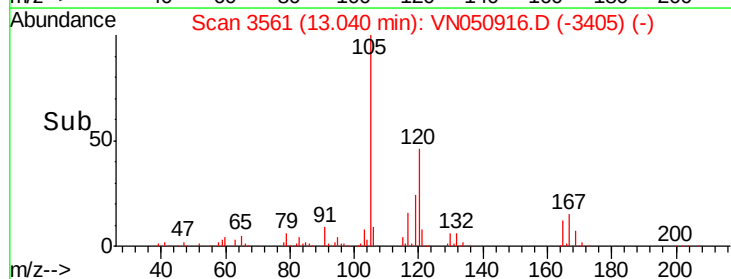
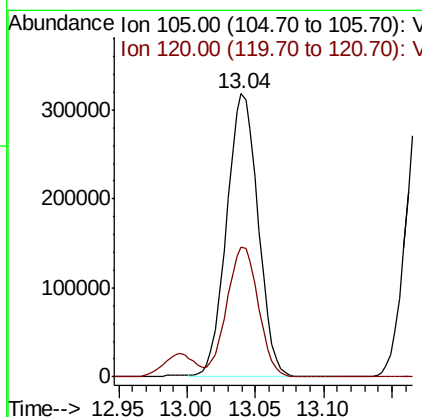
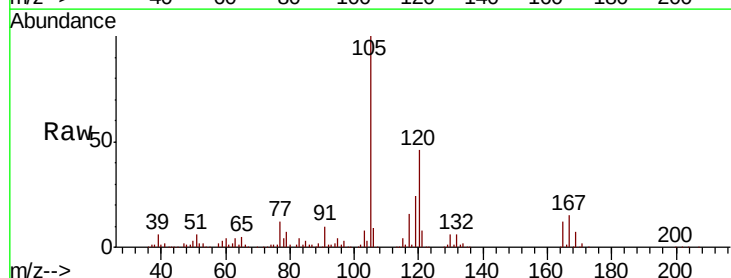
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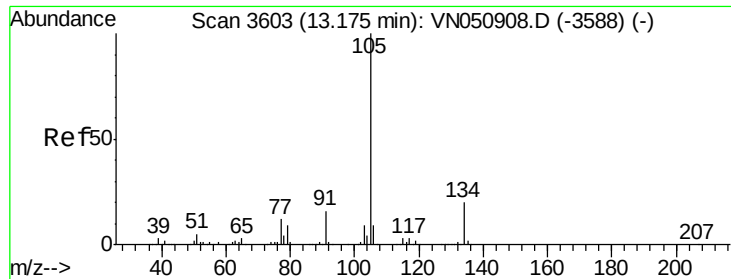
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#80  
 1,2,4-Trimethylbenzene  
 Concen: 20.31 ug/l  
 RT: 13.04 min Scan# 3561  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 510052 |       |       |
| 120     | 46.3  |        | 0.0   | 90.6  |





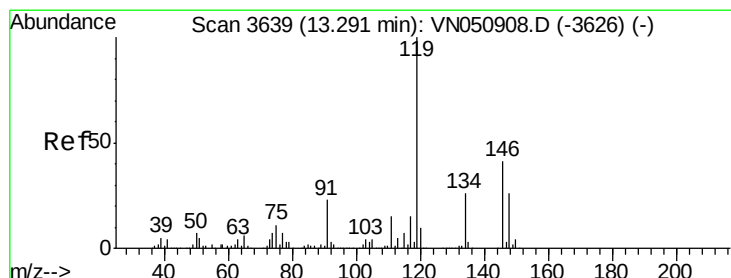
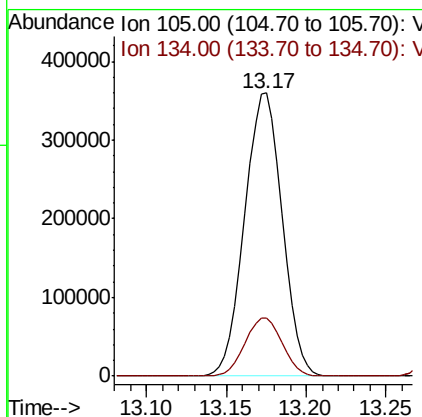
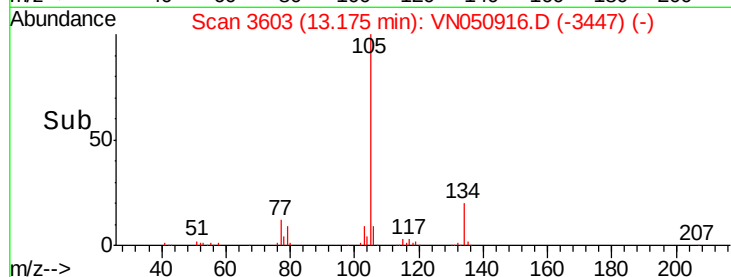
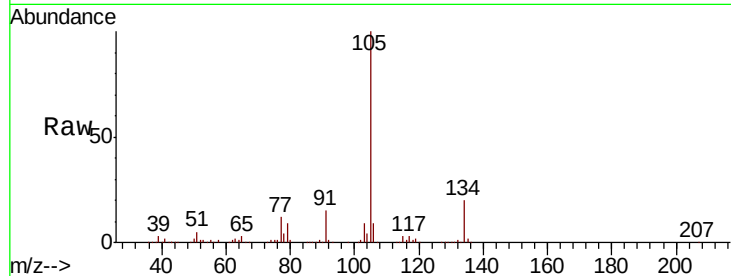
#81  
 sec-Butylbenzene  
 Concen: 20.13 ug/l  
 RT: 13.17 min Scan# 3603  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0828WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 576057 |       |       |
| 134     | 20.4  | 0.0    | 40.6  |       |

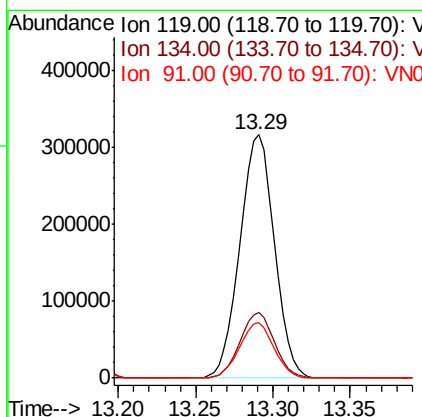
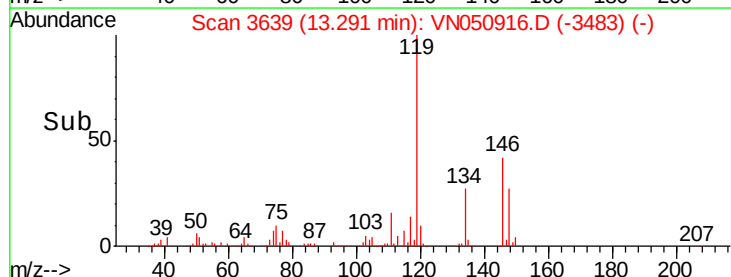
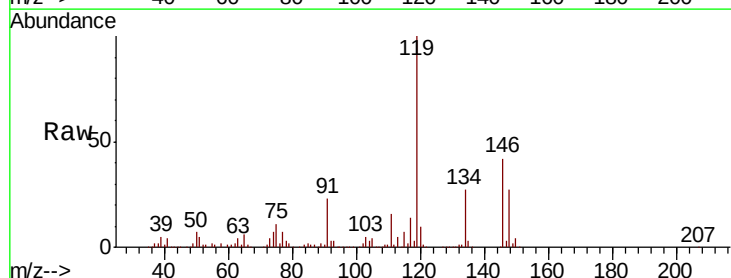
Manual Integrations  
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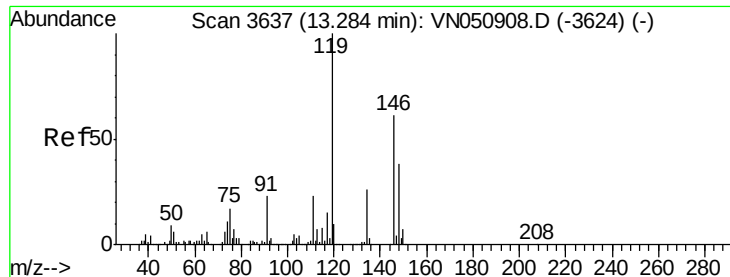
MMDadoda  
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#82  
 p-Isopropyltoluene  
 Concen: 19.95 ug/l  
 RT: 13.29 min Scan# 3639  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 492878 |       |       |
| 134     | 26.7  | 0.0    | 52.2  |       |
| 91      | 22.6  | 0.0    | 45.6  |       |





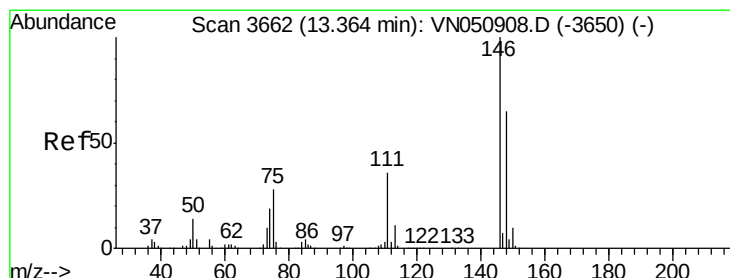
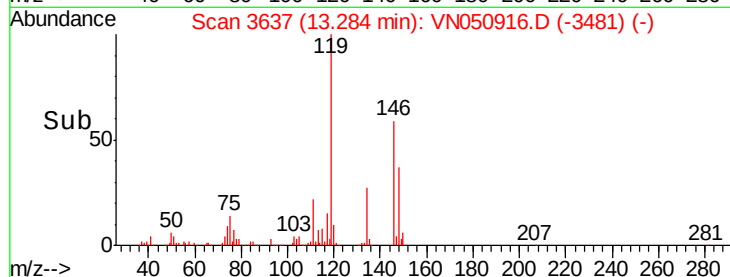
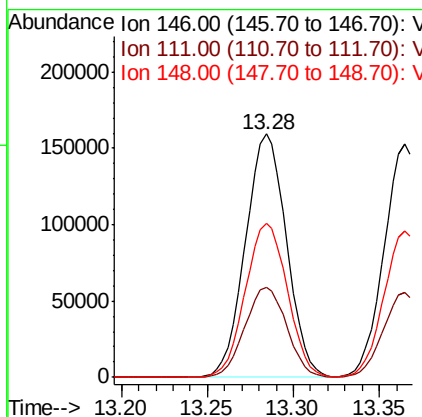
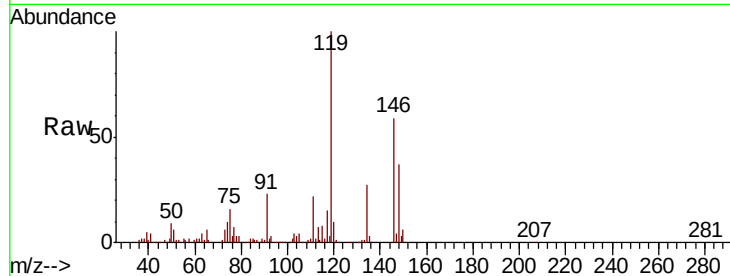
#83  
1,3-Dichlorobenzene  
Concen: 19.29 ug/l  
RT: 13.28 min Scan# 3637  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0828WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.7  | 19.1  | 57.1  |
| 148     | 64.6  | 31.9  | 95.9  |

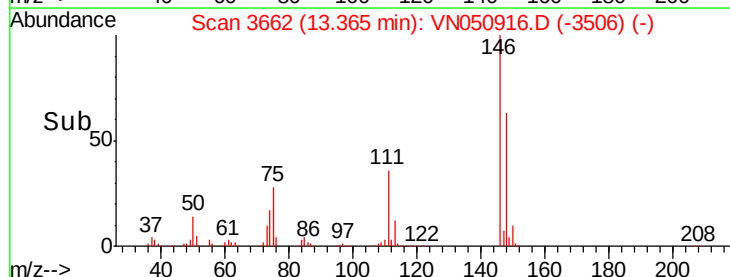
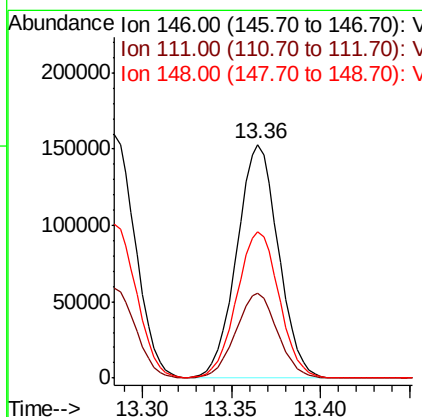
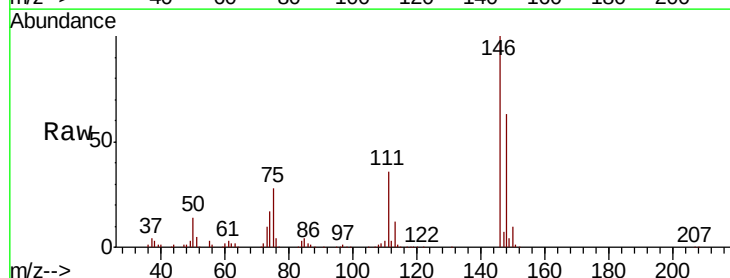
Manual Integrations  
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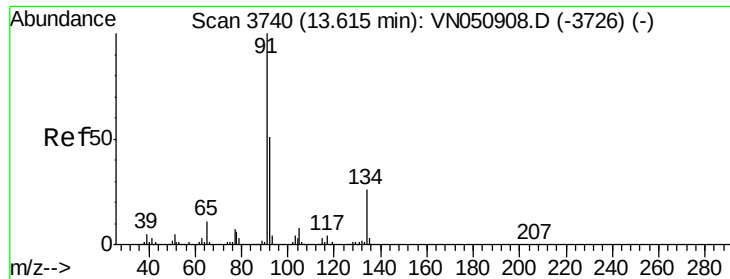
MMDadoda  
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#84  
1,4-Dichlorobenzene  
Concen: 19.25 ug/l  
RT: 13.36 min Scan# 3662  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.3  | 17.9  | 53.8  |
| 148     | 63.9  | 32.4  | 97.0  |





#85

n-Butylbenzene

Concen: 19.20 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

Instrument :

MSVOA\_N

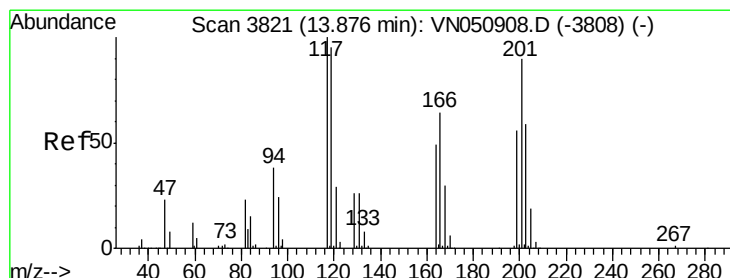
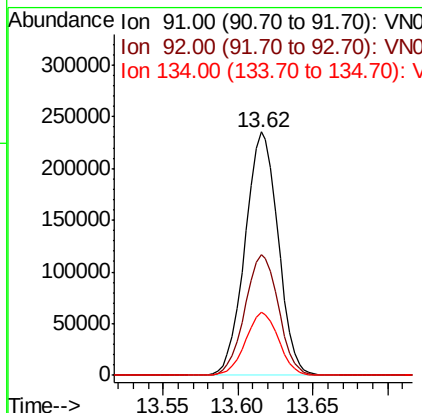
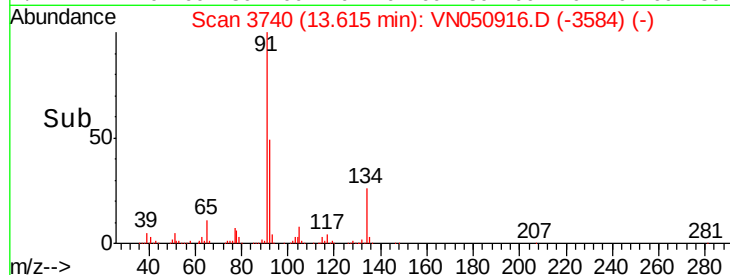
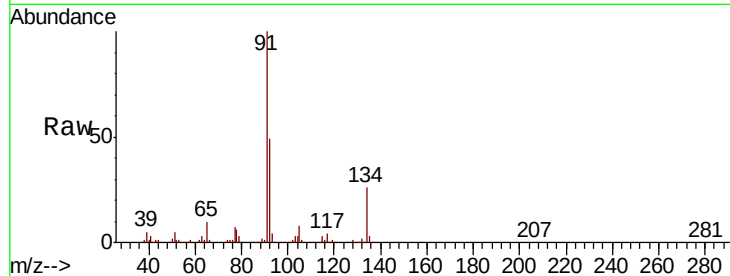
ClientSampled :

VN0828WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 91    | Resp: | 361972 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 50.4  | 0.0   | 102.8  |
| 134      | 25.8  | 0.0   | 51.0   |

Manual Integrations  
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8/29/2018 11:10:20 AM



#86

Hexachloroethane

Concen: 19.43 ug/l

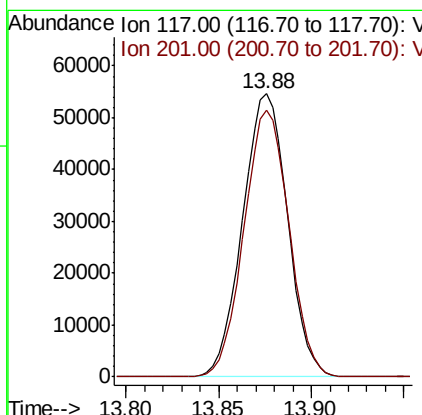
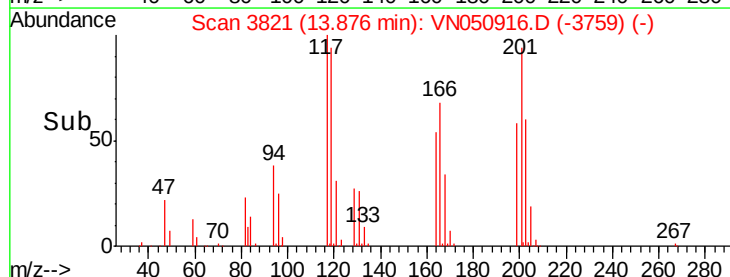
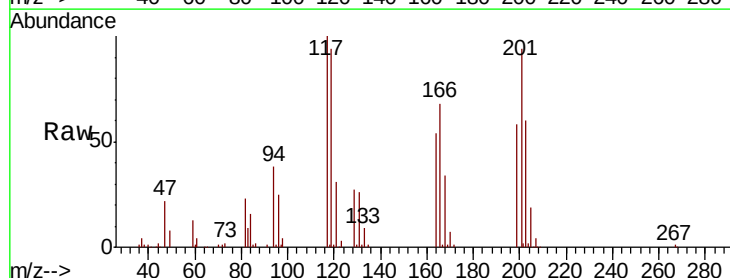
RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

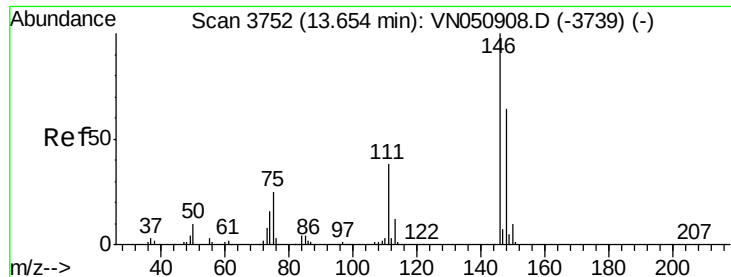
Lab File: VN050916.D

Acq: 28 Aug 2018 16:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 92118 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 94.0  | 46.6  | 139.7 |







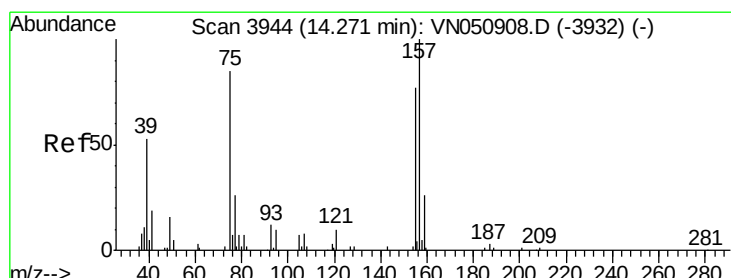
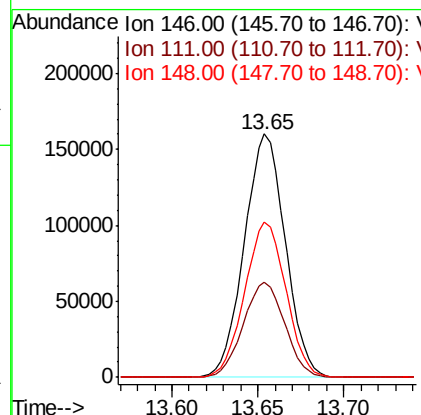
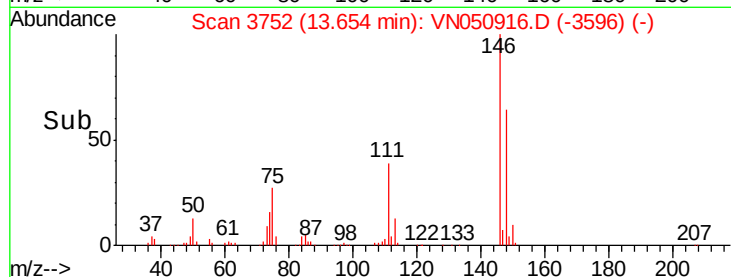
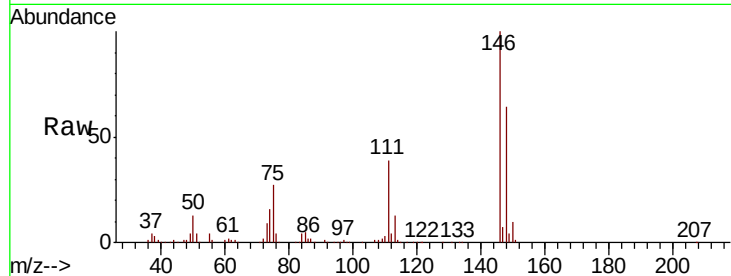
#87  
 1,2-Dichlorobenzene  
 Concen: 19.63 ug/l  
 RT: 13.65 min Scan# 3752  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0828WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.5  | 19.8  | 59.3  |
| 148     | 64.2  | 31.8  | 95.3  |

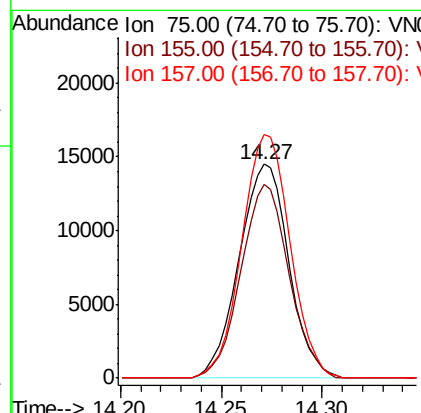
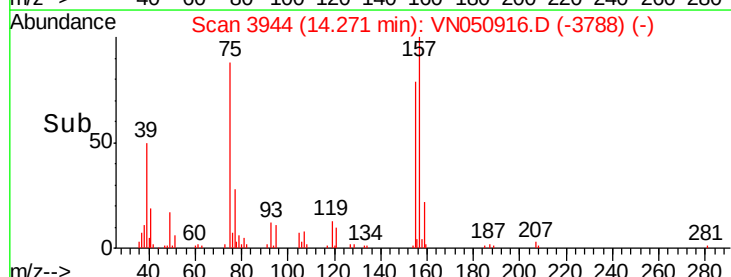
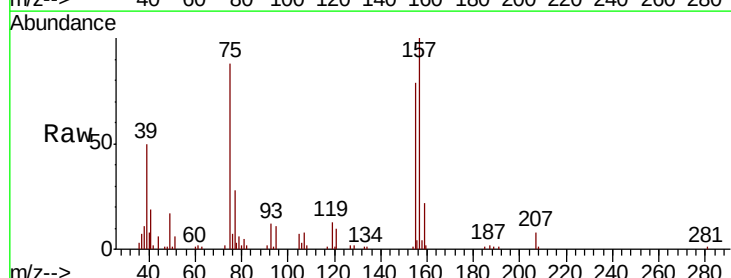
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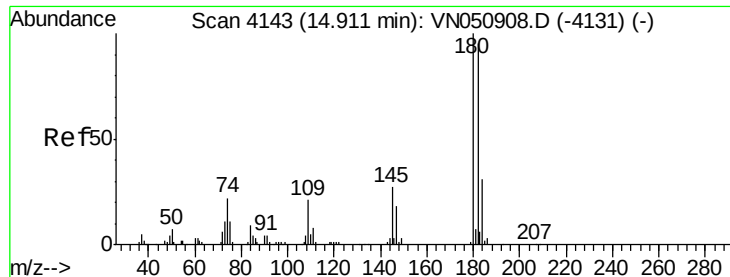
MMDadoda  
 8/29/2018 11:10:20 AM



#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.43 ug/l  
 RT: 14.27 min Scan# 3944  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 87.4  | 73.0  | 109.6 |
| 157     | 111.1 | 94.9  | 142.3 |





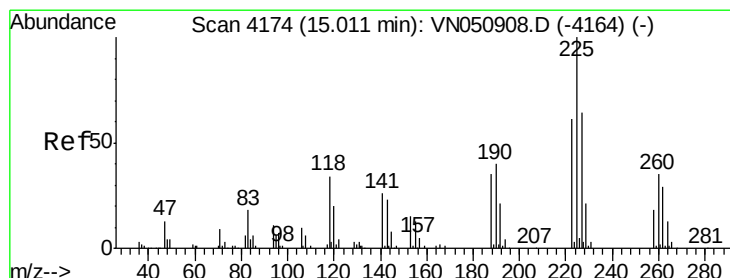
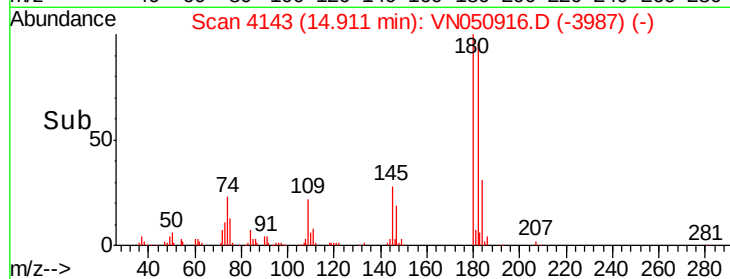
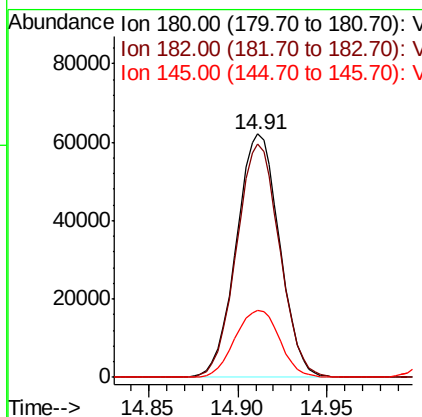
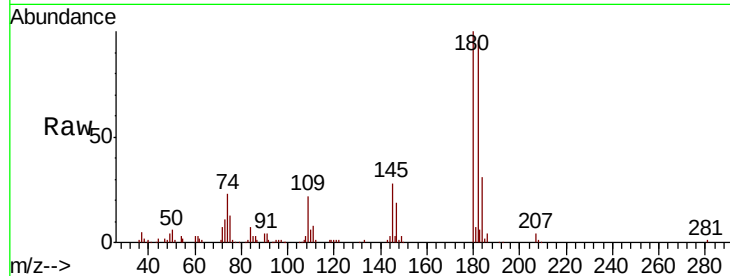
#89  
 1,2,4-Trichlorobenzene  
 Concen: 17.46 ug/l  
 RT: 14.91 min Scan# 4143  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0828WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 104900 |       |       |
| 182     | 95.5  | 76.7   | 115.1 |       |
| 145     | 28.6  | 23.4   | 35.0  |       |

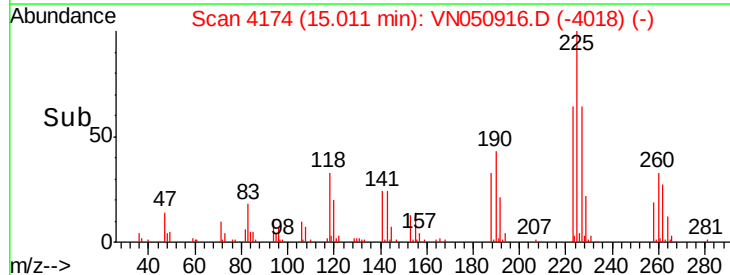
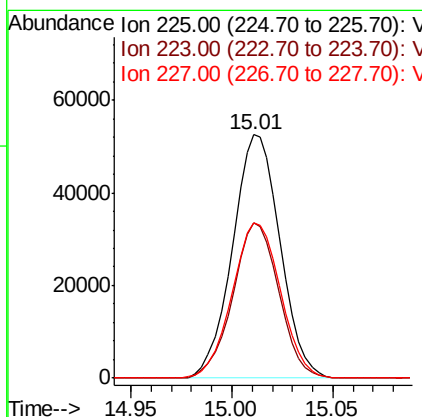
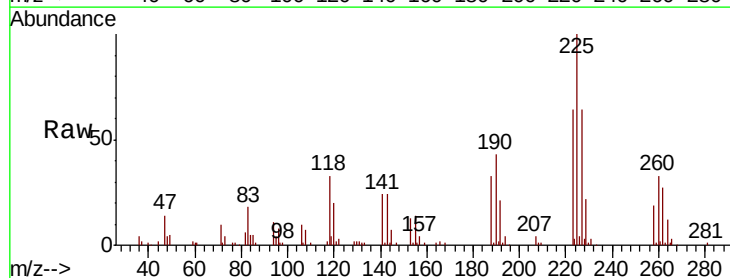
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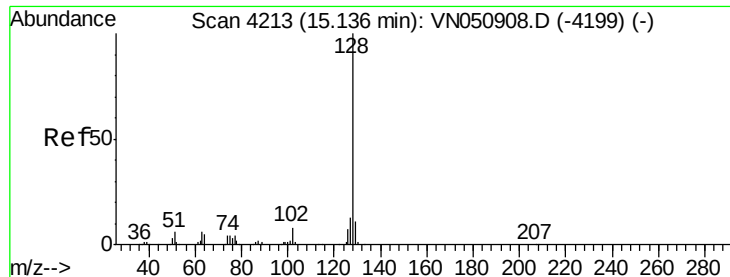
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 8/29/2018 11:10:20 AM



#90  
 Hexachlorobutadiene  
 Concen: 21.18 ug/l  
 RT: 15.01 min Scan# 4174  
 Delta R.T. 0.00 min  
 Lab File: VN050916.D  
 Acq: 28 Aug 2018 16:10

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 86472 |       |       |
| 223     | 61.9  | 0.0   | 124.4 |       |
| 227     | 65.1  | 0.0   | 133.0 |       |





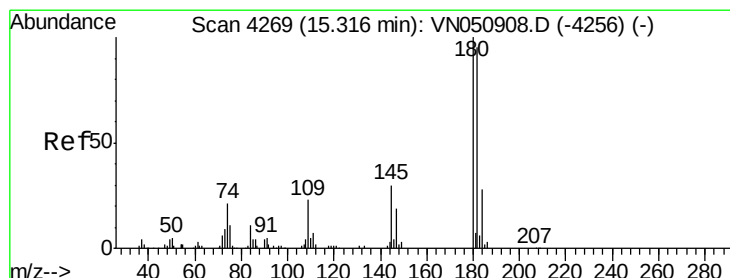
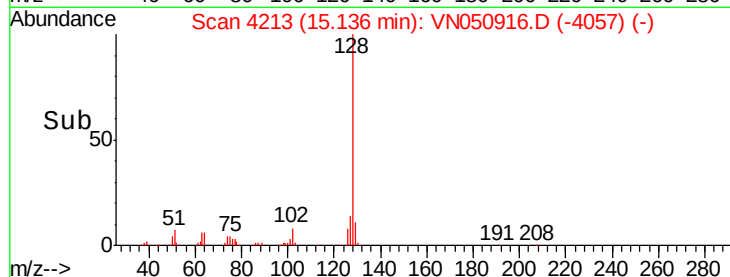
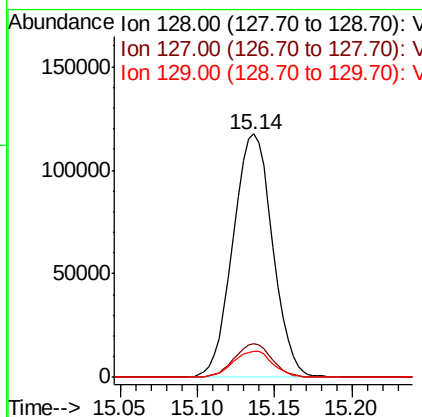
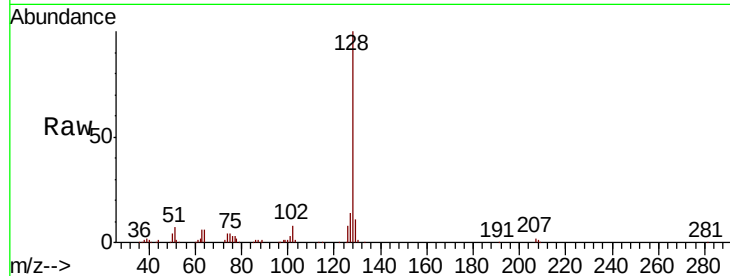
#91  
Naphthalene  
Concen: 19.74 ug/l  
RT: 15.14 min Scan# 4213  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0828WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.2  | 10.2  | 15.4  |
| 129     | 11.0  | 9.0   | 13.4  |

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#92  
1,2,3-Trichlorobenzene  
Concen: 18.59 ug/l  
RT: 15.32 min Scan# 4269  
Delta R.T. 0.00 min  
Lab File: VN050916.D  
Acq: 28 Aug 2018 16:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.0  | 0.0   | 188.8 |
| 145     | 29.9  | 0.0   | 60.8  |

