

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\  
 Data File : VN050502.D  
 Acq On : 9 Aug 2018 22:52  
 Operator : MD\SY  
 Sample : VN0809WBSD02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0809WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 8/10/2018 10:53:12 AM

Quant Time: Aug 10 07:48:12 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Jul 26 15:21:50 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.20  | 128  | 137049   | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 731916   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 642638   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |        |
|---------------------------|--------|-------|----------|----------|------|--------|
| 27) 1,2-Dichloroethane-d4 | 8.03   | 65    | 276435   | 29.67    | ug/l | 0.00   |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 98.90% |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 292842   | 29.66    | ug/l | 0.00   |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 98.87% |
| 63) Toluene-d8            | 10.09  | 98    | 916791   | 29.87    | ug/l | 0.00   |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 99.57% |

## Target Compounds

|                               |      |     |        |        |        | Ovalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 143572 | 15.20  | ug/l   | 97     |
| 3) Chloromethane              | 2.06 | 50  | 180962 | 18.58  | ug/l   | 100    |
| 4) Vinyl Chloride             | 2.18 | 62  | 192981 | 18.62  | ug/l   | 99     |
| 5) Bromomethane               | 2.57 | 94  | 110600 | 17.50  | ug/l   | 97     |
| 6) Chloroethane               | 2.70 | 64  | 118198 | 19.28  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 254930 | 18.82  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 88862  | 19.56  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 158225 | 19.20  | ug/l   | 98     |
| 10) 1,1-Dichloroethene        | 3.74 | 96  | 144780 | 19.81  | ug/l   | 97     |
| 11) Methyl Iodide             | 3.95 | 142 | 75775  | 7.05   | ug/l   | 98     |
| 12) Methyl Acetate            | 4.33 | 43  | 132504 | 15.83  | ug/l   | 99     |
| 13) Acrolein                  | 3.61 | 56  | 43638  | 84.36  | ug/l   | 97     |
| 14) Acrylonitrile             | 5.00 | 53  | 266276 | 95.34  | ug/l   | 98     |
| 15) Acetone                   | 3.82 | 58  | 77072  | 103.83 | ug/l   | 93     |
| 16) Carbon Disulfide          | 4.05 | 76  | 419716 | 18.77  | ug/l   | 100    |
| 17) Allyl chloride            | 4.33 | 41  | 212842 | 18.44  | ug/l   | 97     |
| 18) Methylene Chloride        | 4.55 | 84  | 169544 | 20.11  | ug/l   | 99     |
| 19) trans-1,2-Dichloroethene  | 5.05 | 96  | 156850 | 20.05  | ug/l   | 97     |
| 20) Diisopropyl ether         | 5.96 | 45  | 488702 | 20.65  | ug/l   | 97     |
| 21) 1,1-Dichloroethane        | 5.85 | 63  | 299185 | 20.11  | ug/l   | 99     |
| 22) cis-1,2-Dichloroethene    | 6.83 | 96  | 178539 | 20.58  | ug/l   | 97     |
| 23) tert-Butyl Alcohol        | 4.80 | 59  | 53453  | 85.65  | ug/l # | 100    |
| 24) Methyl tert-Butyl Ether   | 5.05 | 73  | 402378 | 20.19  | ug/l   | 99     |
| 25) Chloroform                | 7.37 | 83  | 302559 | 20.09  | ug/l   | 98     |
| 26) Cyclohexane               | 7.66 | 56  | 230199 | 19.47  | ug/l # | 99     |
| 29) 1,1-Dichloropropene       | 7.80 | 75  | 220366 | 19.40  | ug/l   | 100    |
| 30) 2-Butanone                | 6.84 | 43  | 369835 | 103.76 | ug/l   | 97     |
| 31) 2,2-Dichloropropane       | 6.83 | 77  | 201914 | 16.08  | ug/l   | 99     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 258763 | 19.35  | ug/l   | 99     |
| 33) Carbon Tetrachloride      | 7.78 | 117 | 226888 | 19.04  | ug/l   | 100    |
| 34) Benzene                   | 8.05 | 78  | 676084 | 19.60  | ug/l   | 98     |
| 35) Methacrylonitrile         | 7.18 | 41  | 68730  | 16.94  | ug/l   | 95     |
| 36) 1,2-Dichloroethane        | 8.13 | 62  | 215400 | 19.02  | ug/l   | 100    |
| 37) Trichloroethene           | 8.84 | 130 | 182334 | 20.15  | ug/l   | 96     |
| 38) Methylcyclohexane         | 9.08 | 83  | 217840 | 18.19  | ug/l   | 98     |
| 39) 1,2-Dichloropropane       | 9.12 | 63  | 180050 | 19.81  | ug/l   | 99     |
| 40) Dibromomethane            | 9.21 | 93  | 108036 | 19.24  | ug/l   | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\  
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 Operator : MD\SY  
 Sample : VN0809WBSD02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0809WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 8/10/2018 10:53:12 AM

Quant Time: Aug 10 07:48:12 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Jul 26 15:21:50 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 41) Bromodichloromethane       | 9.41  | 83   | 227631   | 19.21  | ug/l   | 96       |
| 42) Vinyl Acetate              | 5.90  | 43   | 1592461  | 94.94  | ug/l   | 99       |
| 43) Ethyl Acetate              | 6.94  | 43   | 138044   | 18.55  | ug/l # | 92       |
| 44) Isopropyl Acetate          | 8.17  | 43   | 244678   | 17.75  | ug/l   | 100      |
| 45) 1,4-Dioxane                | 9.20  | 88   | 32358    | 356.64 | ug/l   | 97       |
| 46) Methyl methacrylate        | 9.20  | 41   | 114593   | 17.14  | ug/l   | 98       |
| 47) n-amyl Acetate             | 12.07 | 43   | 191018   | 17.80  | ug/l   | 99       |
| 48) t-1,3-Dichloropropene      | 10.38 | 75   | 208849   | 18.49  | ug/l   | 97       |
| 49) cis-1,3-Dichloropropene    | 9.84  | 75   | 251237   | 18.93  | ug/l   | 99       |
| 50) 1,1,2-Trichloroethane      | 10.56 | 97   | 153773   | 19.07  | ug/l   | 98       |
| 51) Ethyl methacrylate         | 10.43 | 69   | 179907   | 18.39  | ug/l   | 98       |
| 52) 1,3-Dichloropropane        | 10.71 | 76   | 253836   | 19.17  | ug/l   | 99       |
| 53) Dibromochloromethane       | 10.90 | 129  | 171760   | 18.77  | ug/l   | 99       |
| 54) 1,2-Dibromoethane          | 11.01 | 107  | 148572   | 18.82  | ug/l   | 100      |
| 55) 2-Chloroethyl vinyl ether  | 9.70  | 63   | 420987   | 95.06  | ug/l   | 99       |
| 56) Bromoform                  | 12.13 | 173  | 112530   | 17.42  | ug/l   | 99       |
| 58) 4-Methyl-2-Pentanone       | 9.99  | 43   | 853343   | 114.12 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.75 | 43   | 549190   | 107.65 | ug/l   | 99       |
| 61) Tetrachloroethene          | 10.63 | 164  | 170043   | 19.54  | ug/l   | 96       |
| 62) Toluene                    | 10.16 | 91   | 729042   | 19.88  | ug/l   | 99       |
| 64) Chlorobenzene              | 11.44 | 112  | 441524   | 19.86  | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 169063   | 19.50  | ug/l   | 99       |
| 66) Ethyl Benzene              | 11.51 | 91   | 731157   | 19.51  | ug/l   | 99       |
| 67) m/p-Xylenes                | 11.62 | 106  | 575297   | 39.90  | ug/l   | 99       |
| 68) o-Xylene                   | 11.95 | 106  | 276770   | 20.17  | ug/l   | 100      |
| 69) Styrene                    | 11.97 | 104  | 442686   | 20.13  | ug/l   | 99       |
| 70) Isopropylbenzene           | 12.25 | 105  | 728838   | 19.95  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 191215   | 19.06  | ug/l   | 98       |
| 72) 1,2,3-Trichloropropane     | 12.55 | 75   | 152274m  | 17.77  | ug/l   |          |
| 73) Bromobenzene               | 12.53 | 156  | 190338   | 19.56  | ug/l   | 99       |
| 74) n-propylbenzene            | 12.59 | 91   | 809798   | 19.03  | ug/l   | 100      |
| 75) 2-Chlorotoluene            | 12.68 | 91   | 506283   | 19.81  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 600482   | 20.01  | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene    | 12.30 | 75   | 38467    | 13.73  | ug/l   | 89       |
| 78) 4-Chlorotoluene            | 12.77 | 91   | 497045   | 19.62  | ug/l   | 98       |
| 79) tert-butylbenzene          | 12.99 | 119  | 506488   | 19.74  | ug/l   | 100      |
| 80) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 605343   | 19.91  | ug/l   | 98       |
| 81) sec-Butylbenzene           | 13.17 | 105  | 659404   | 18.92  | ug/l   | 100      |
| 82) p-Isopropyltoluene         | 13.29 | 119  | 565147   | 19.00  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene        | 13.28 | 146  | 329800   | 19.46  | ug/l   | 100      |
| 84) 1,4-Dichlorobenzene        | 13.36 | 146  | 315874   | 19.72  | ug/l   | 99       |
| 85) n-Butylbenzene             | 13.62 | 91   | 422166   | 17.49  | ug/l   | 100      |
| 86) Hexachloroethane           | 13.88 | 117  | 97028    | 16.33  | ug/l   | 99       |
| 87) 1,2-Dichlorobenzene        | 13.65 | 146  | 327512   | 19.77  | ug/l   | 100      |
| 88) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 27553    | 17.63  | ug/l   | 96       |
| 89) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 150563   | 19.03  | ug/l   | 99       |
| 90) Hexachlorobutadiene        | 15.01 | 225  | 94915    | 18.19  | ug/l   | 99       |
| 91) Naphthalene                | 15.14 | 128  | 309056   | 20.10  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 152094   | 18.90  | ug/l   | 100      |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\  
Data File : VN050502.D  
Acq On : 9 Aug 2018 22:52  
Operator : MD\SY  
Sample : VN0809WBSD02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0809WBSD02

Manual Integrations  
APPROVED

MMDadoda  
8/10/2018 10:53:12 AM

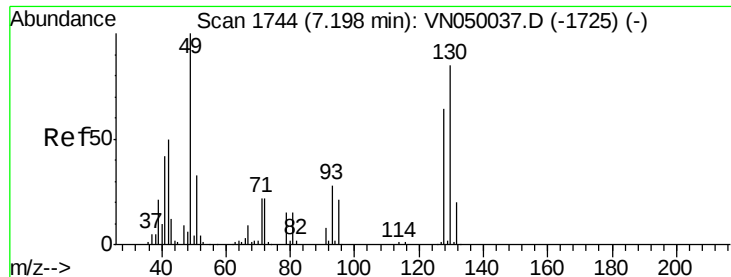
Quant Time: Aug 10 07:48:12 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Thu Jul 26 15:21:50 2018  
Response via : Initial Calibration

| 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# 1744

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA\_N

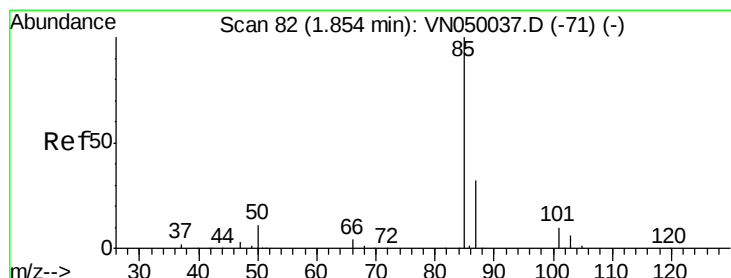
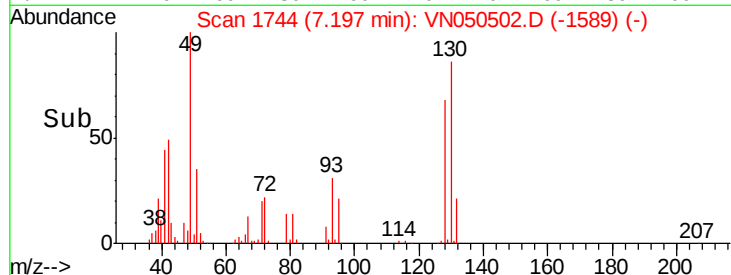
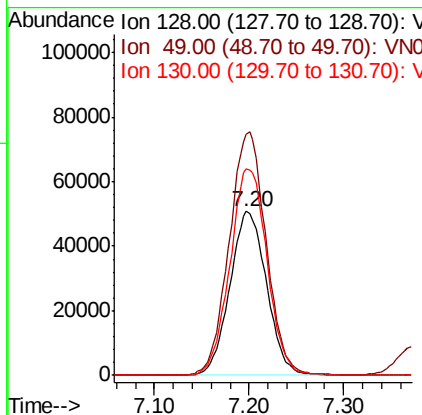
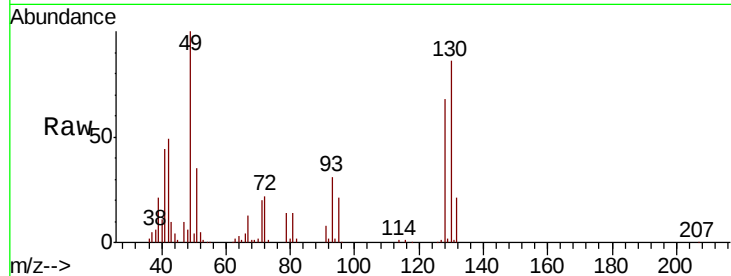
ClientSampleId :

VN0809WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 49      | 149.2 | 0.0   | 378.3 |
| 130     | 128.1 | 0.0   | 320.7 |

Manual Integrations  
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8/10/2018 10:53:12 AM



#2

Dichlorodifluoromethane

Concen: 15.20 ug/l

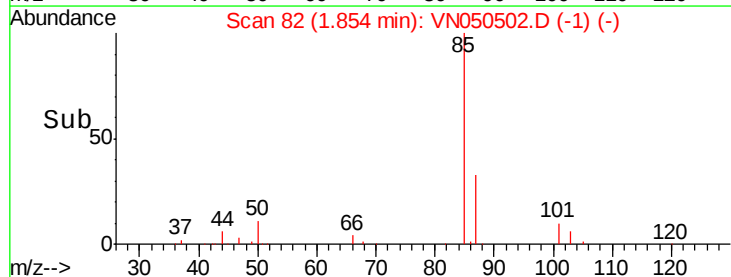
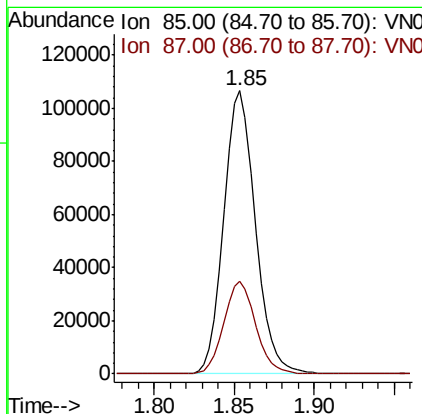
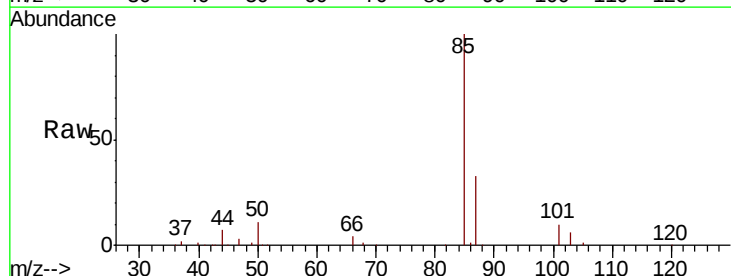
RT: 1.85 min Scan# 82

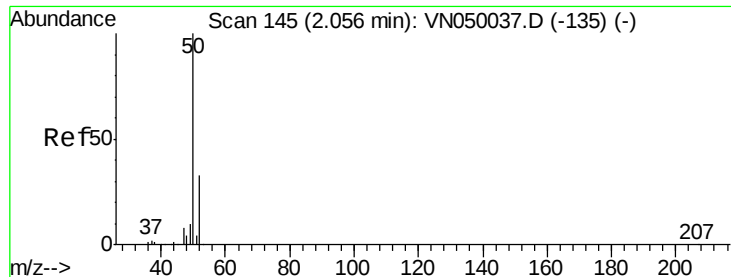
Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 32.8  | 15.4  | 46.4  |





#3

Chloromethane

Concen: 18.58 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA\_N

ClientSampleId :

VN0809WBSD02

Tot Ion: 50 Resp: 180962

Ion Ratio Lower Upper

50 100

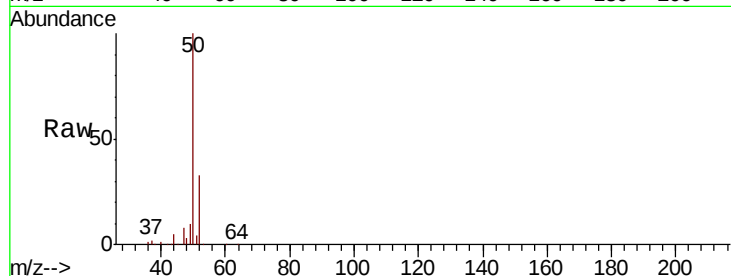
52 32.7 26.1 39.1

Manual Integrations

APPROVED

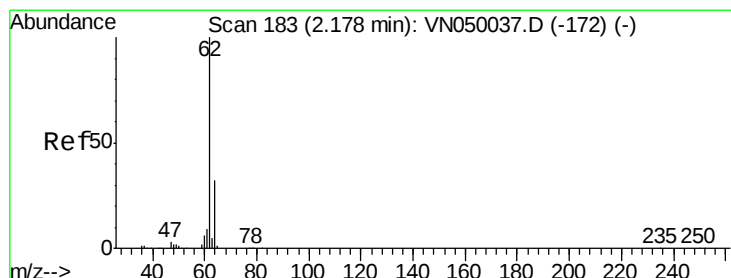
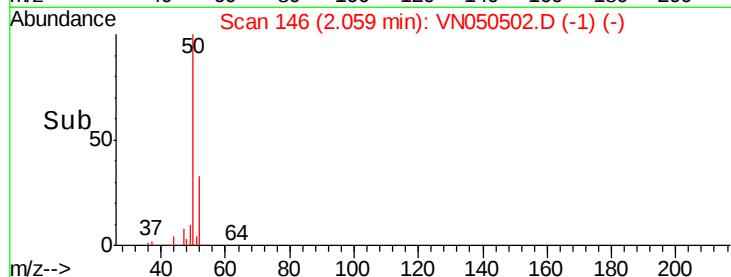
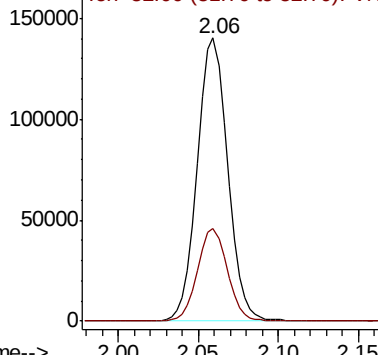
MMDadoda

8/10/2018 10:53:12 AM



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 18.62 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.01 min

Lab File: VN050502.D

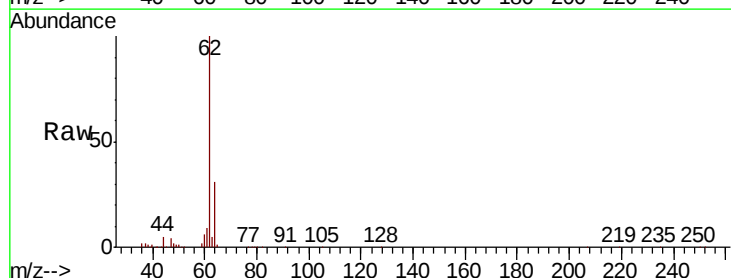
Acq: 9 Aug 2018 22:52

Tgt Ion: 62 Resp: 192981

Ion Ratio Lower Upper

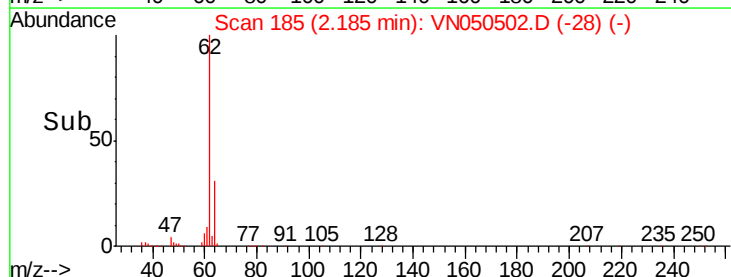
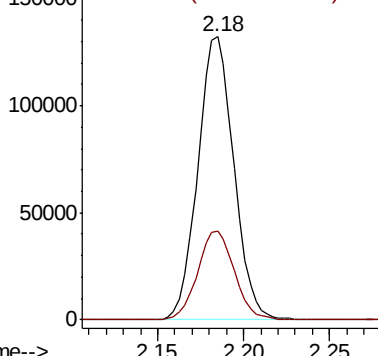
62 100

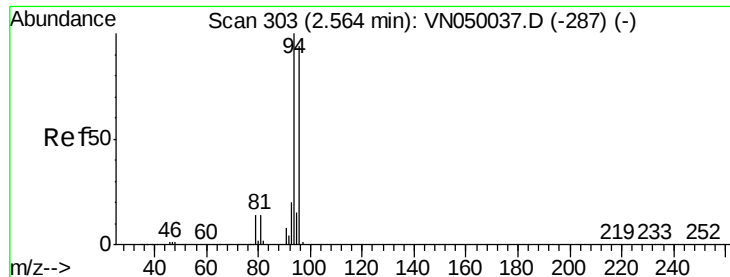
64 31.3 24.4 36.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 17.50 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA\_N

ClientSampleId :

VN0809WBSD02

Tot Ion: 94 Resp: 110600

Ion Ratio Lower Upper

94 100

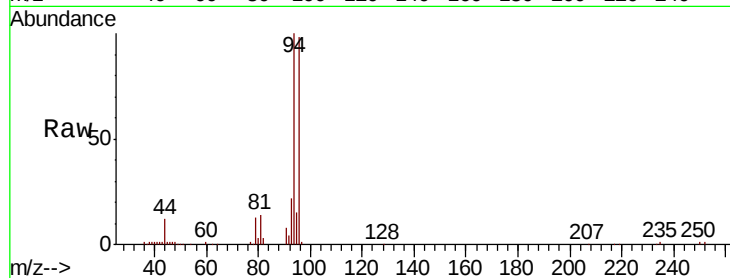
96 97.5 75.9 113.9

Manual Integrations

APPROVED

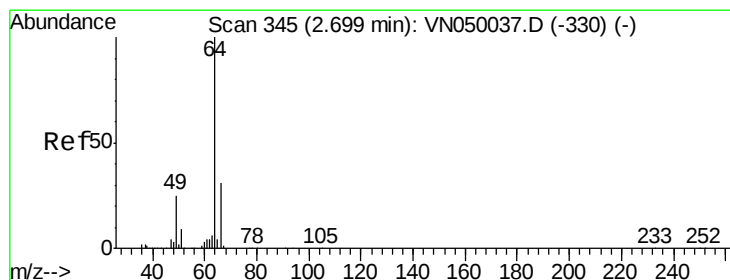
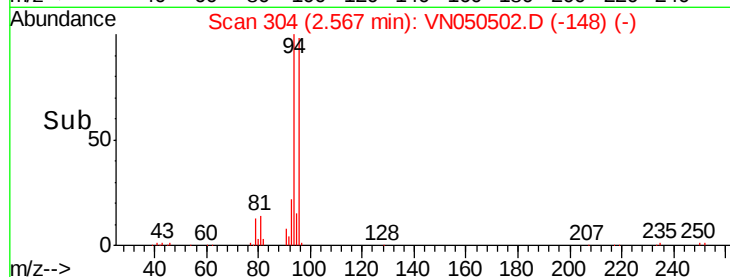
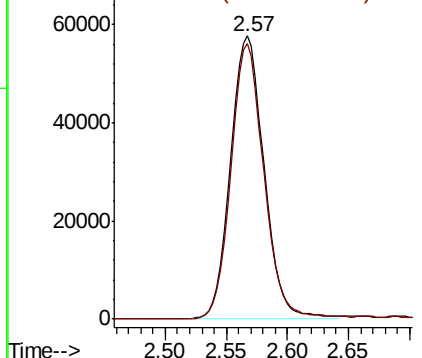
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.28 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050502.D

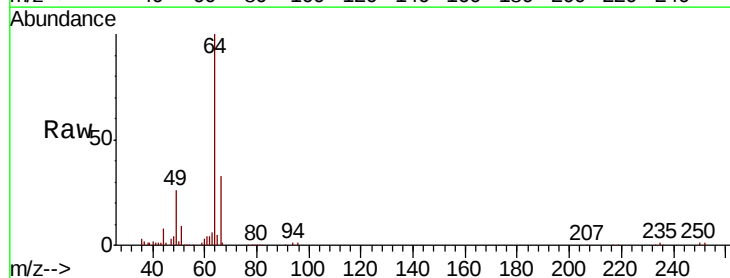
Acq: 9 Aug 2018 22:52

Tgt Ion: 64 Resp: 118198

Ion Ratio Lower Upper

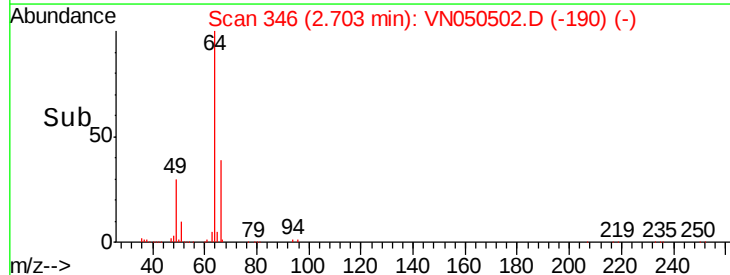
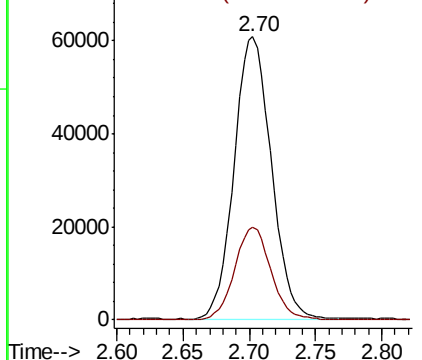
64 100

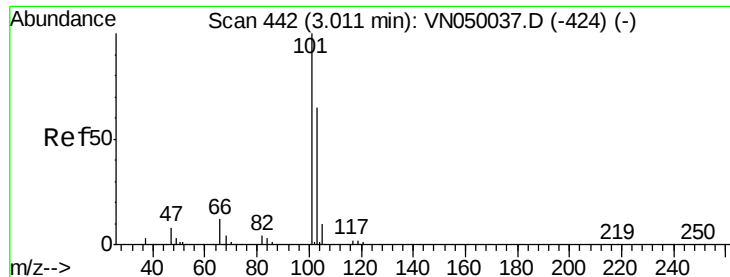
66 32.9 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

Trichlorofluoromethane

Concen: 18.82 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA\_N

ClientSampleId :

VN0809WBSD02

Tot Ion: 101 Resp: 254930

Ion Ratio Lower Upper

101 100

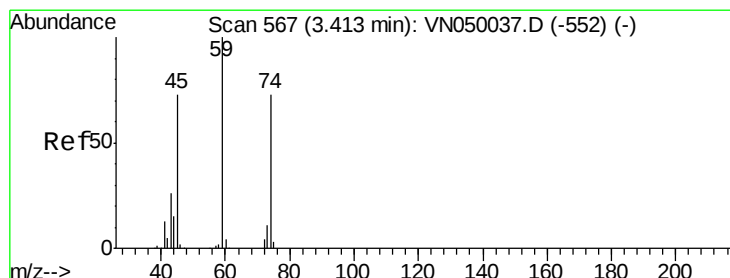
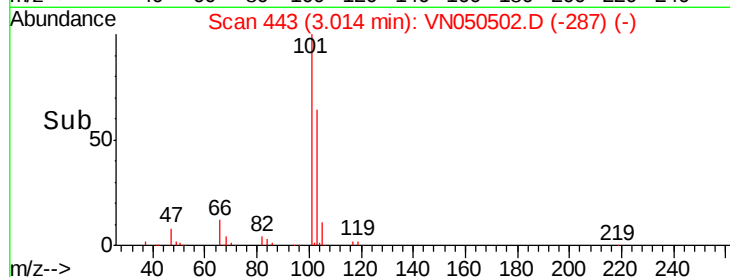
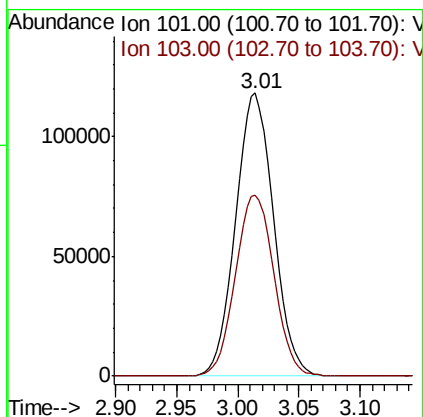
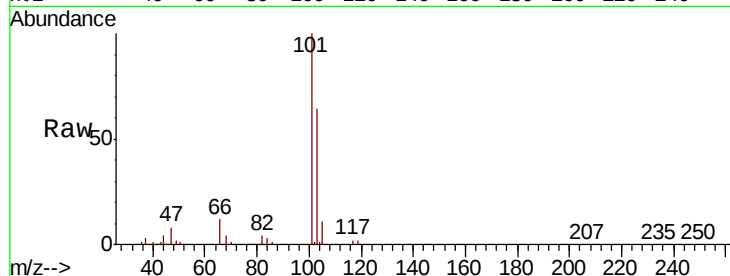
103 64.0 51.5 77.3

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#8

Diethyl Ether

Concen: 19.56 ug/l

RT: 3.41 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN050502.D

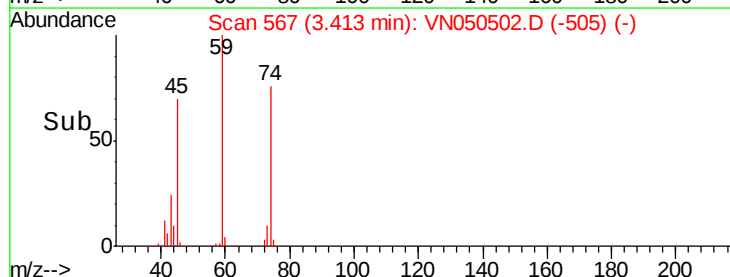
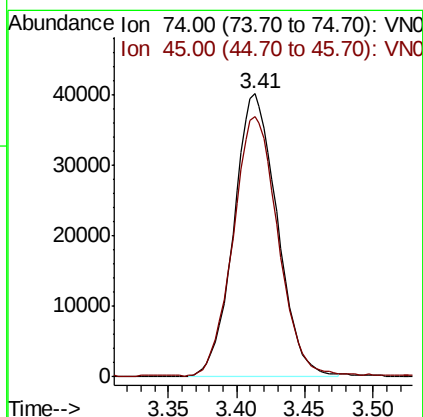
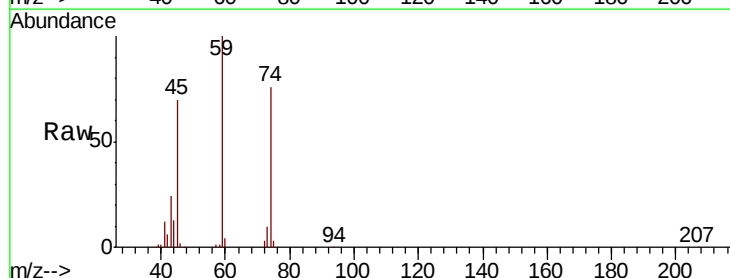
Acq: 9 Aug 2018 22:52

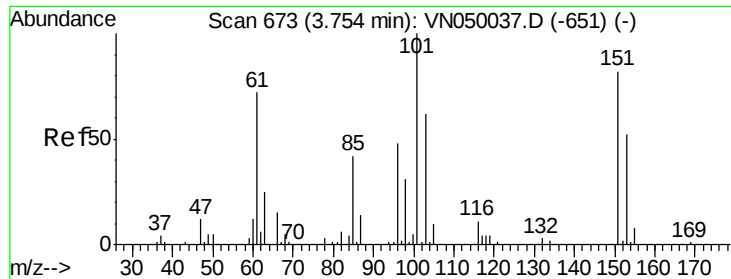
Tgt Ion: 74 Resp: 88862

Ion Ratio Lower Upper

74 100

45 94.4 18.7 167.9





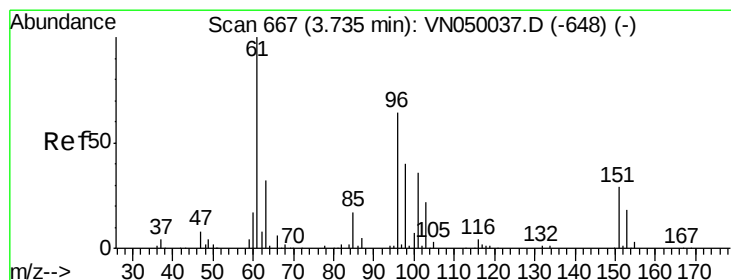
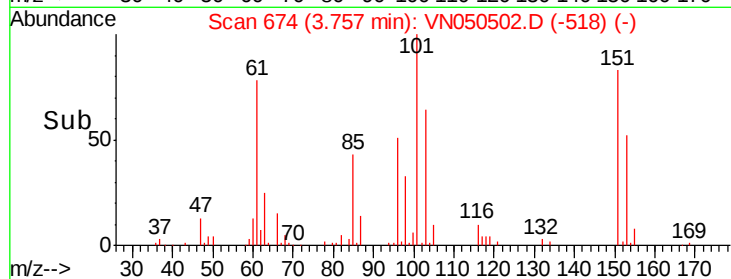
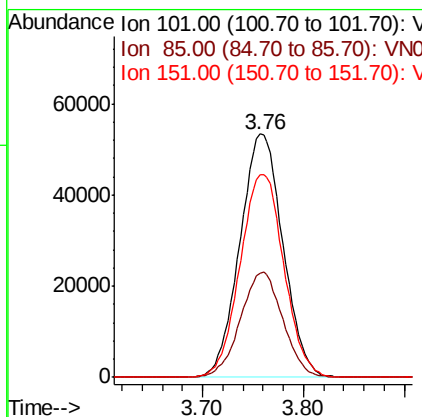
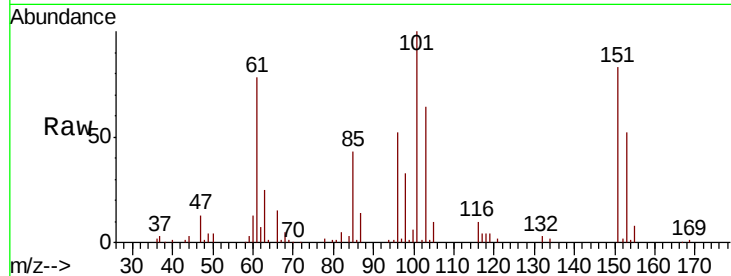
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 19.20 ug/l  
 RT: 3.76 min Scan# 674  
 Delta R.T. 0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0809WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 158225 |       |       |
| 85      | 42.5  | 0.0    | 83.0  |       |
| 151     | 84.9  | 0.0    | 166.8 |       |

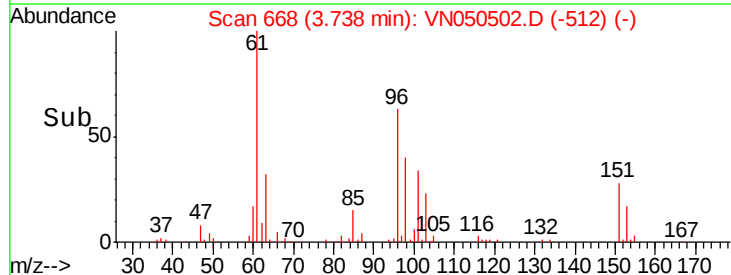
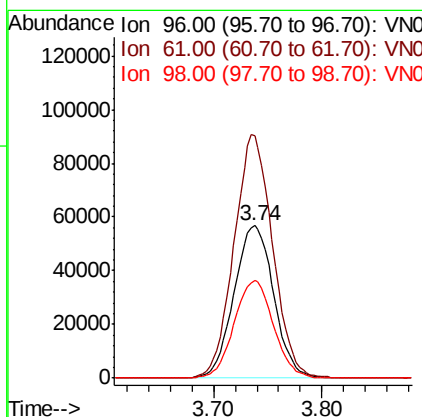
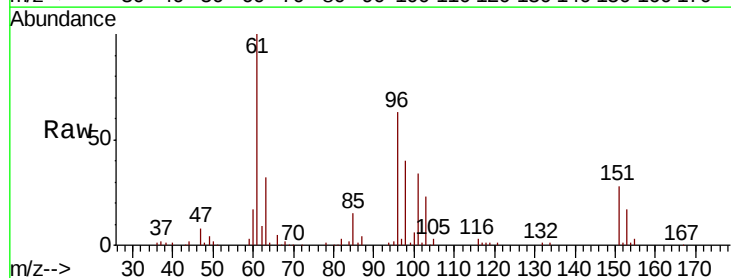
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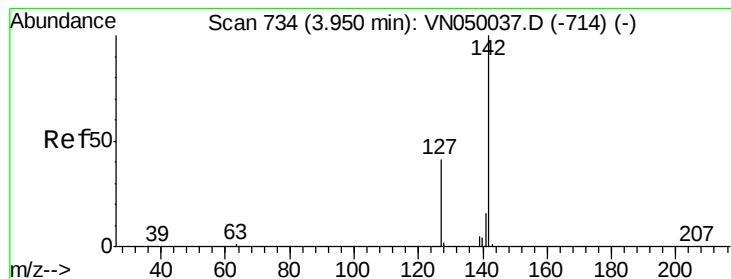
MMDadoda  
 8/10/2018 10:53:12 AM



#10  
 1,1-Dichloroethene  
 Concen: 19.81 ug/l  
 RT: 3.74 min Scan# 668  
 Delta R.T. 0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 144780 |       |       |
| 61      | 159.2 | 130.6  | 195.8 |       |
| 98      | 64.1  | 53.5   | 80.3  |       |





#11

Methvl Iodide

Concen: 7.05 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA\_N

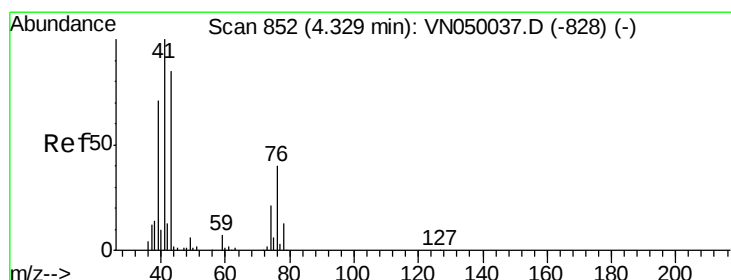
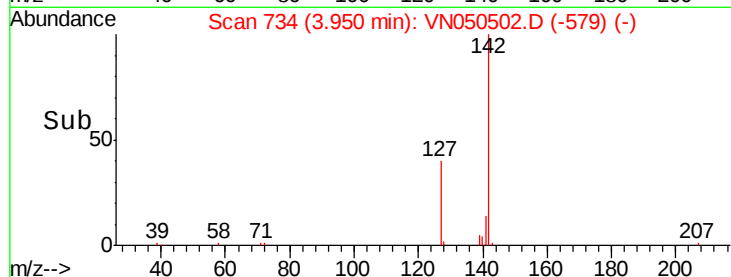
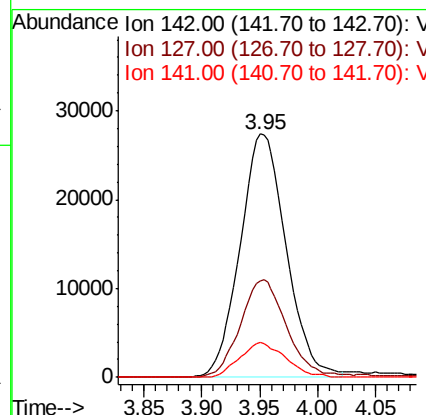
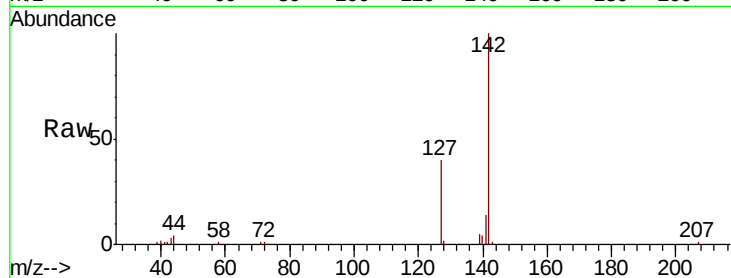
ClientSampleId :

VN0809WBSD02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 142   | Resp: | 75775 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 39.3  | 20.2  | 60.5  |
| 141       | 14.3  | 6.9   | 20.6  |

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#12

Methyl Acetate

Concen: 15.83 ug/l

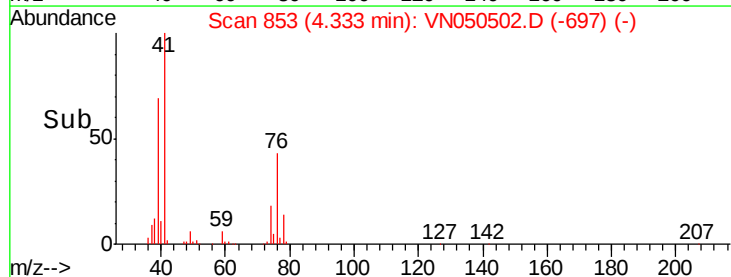
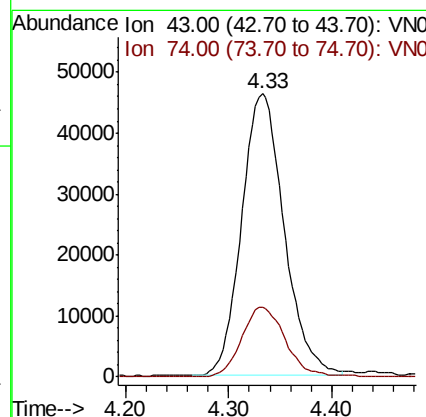
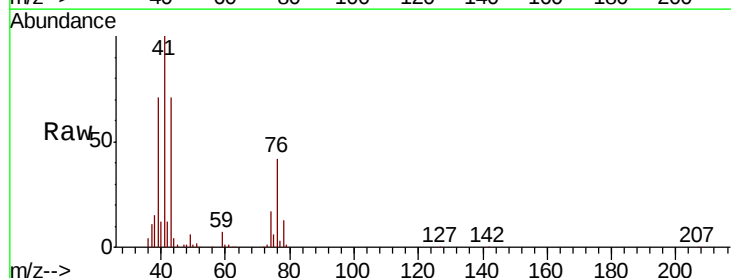
RT: 4.33 min Scan# 853

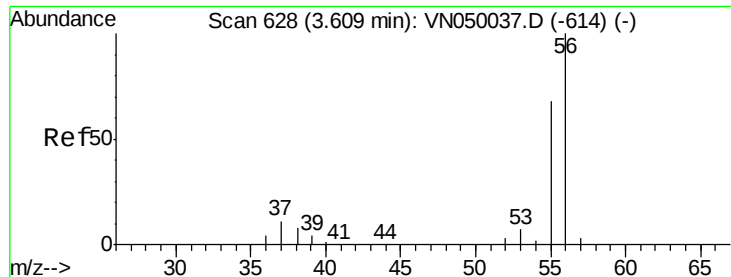
Delta R.T. 0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 132504 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 74        | 24.7  | 19.3  | 28.9   |





#13

Acrolein

Concen: 84.36 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA\_N

ClientSampleId :

VN0809WBSD02

Tot Ion: 56 Resp: 43638

Ion Ratio Lower Upper

56 100

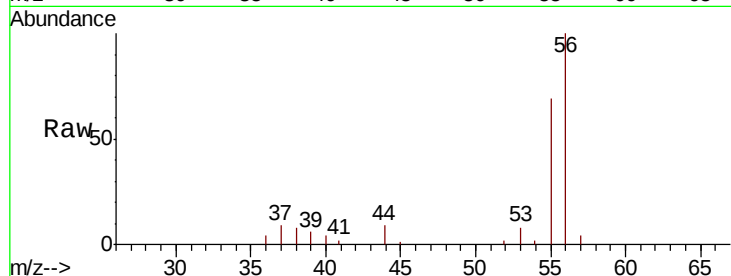
55 71.2 58.6 88.0

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

20000

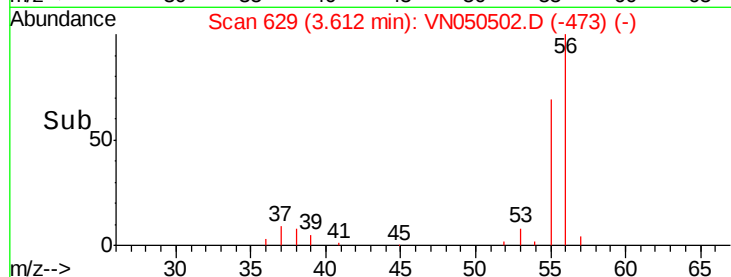
15000

10000

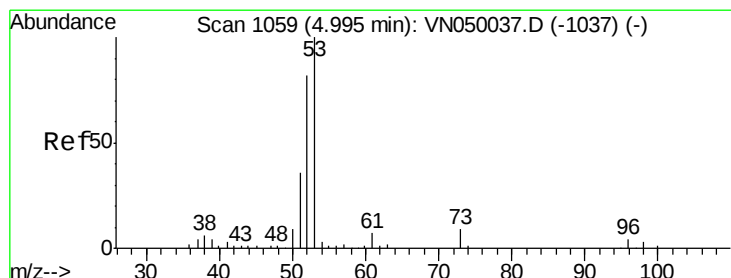
5000

0

Time-->



Time-->



#14

Acrylonitrile

Concen: 95.34 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

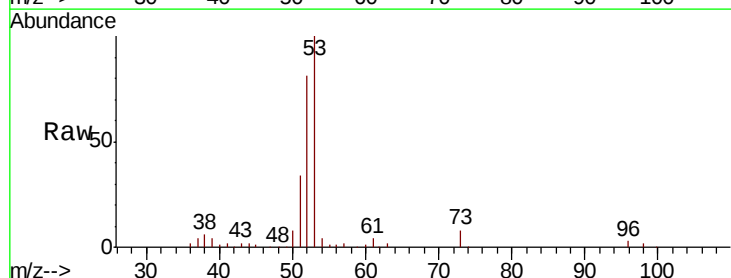
Tgt Ion: 53 Resp: 266276

Ion Ratio Lower Upper

53 100

52 80.5 41.5 124.5

51 36.4 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

100000

80000

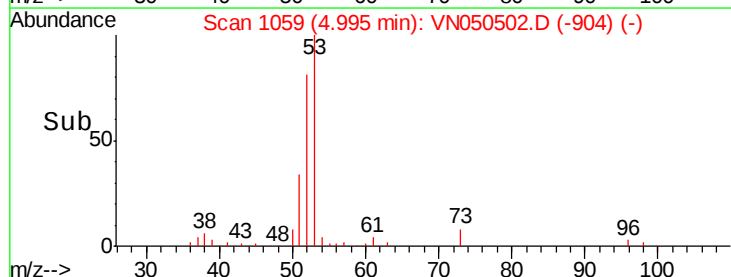
60000

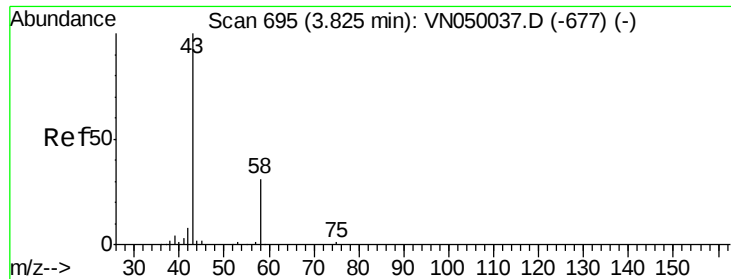
40000

20000

0

Time-->





#15

Acetone

Concen: 103.83 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA\_N

ClientSampleID :

VN0809WBSD02

Tot Ion: 58 Resp: 77072

Ion Ratio Lower Upper

58 100

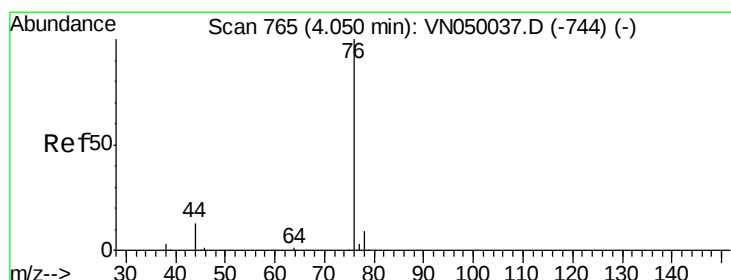
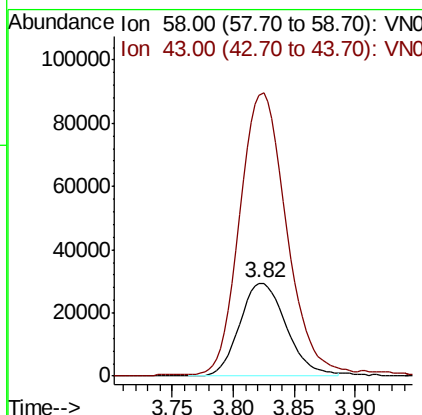
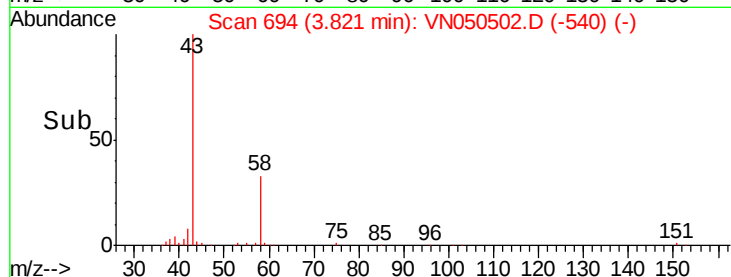
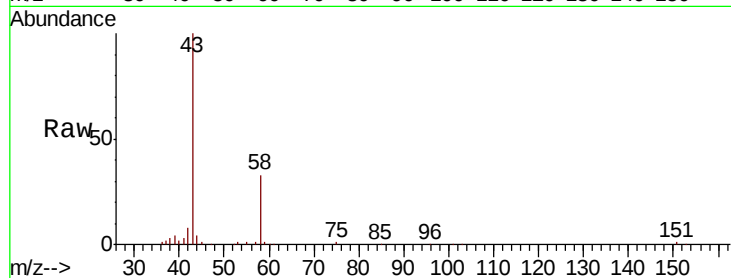
43 301.6 252.0 378.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 18.77 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050502.D

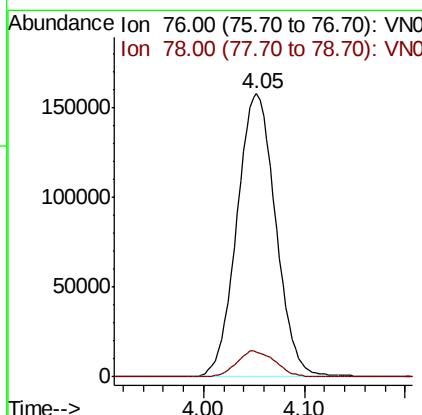
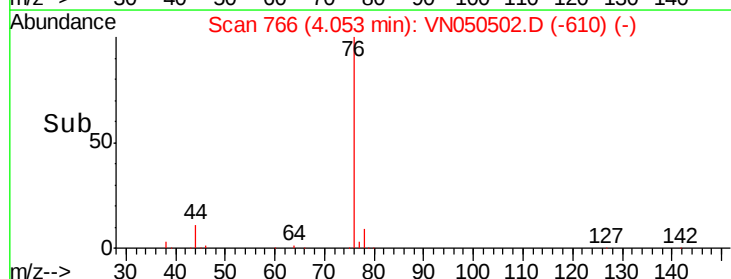
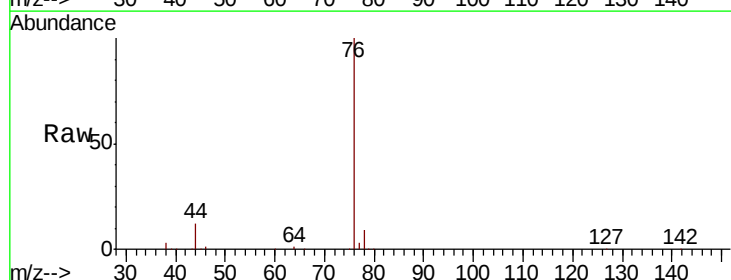
Acq: 9 Aug 2018 22:52

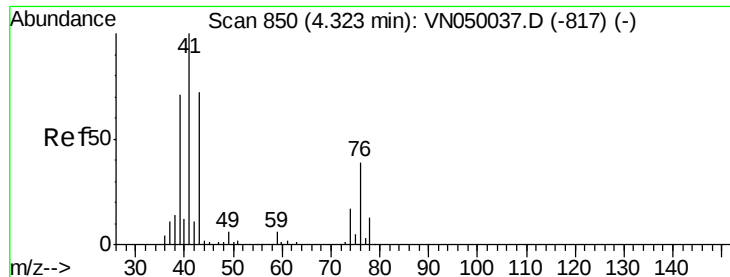
Tgt Ion: 76 Resp: 419716

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9





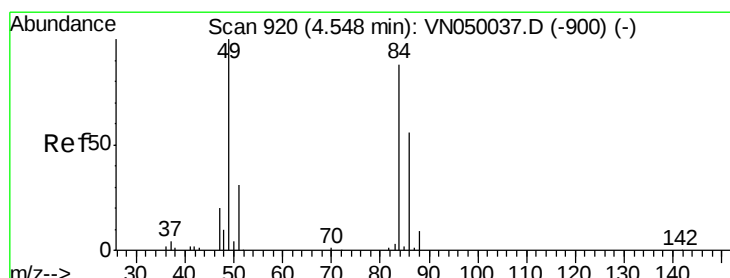
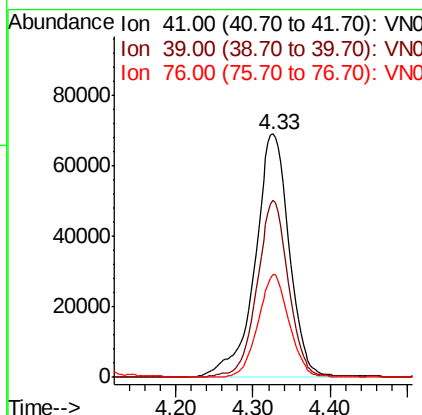
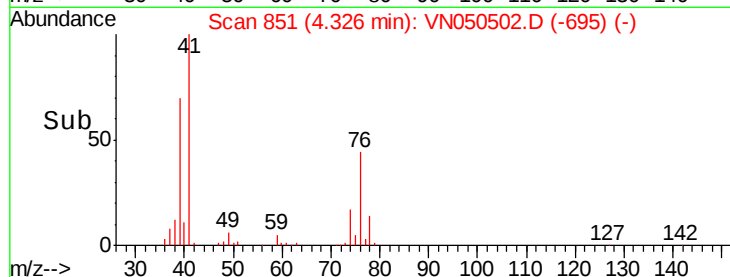
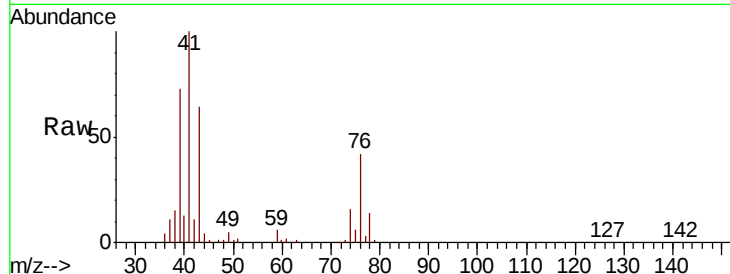
#17  
Allvl chloride  
Concen: 18.44 ug/l  
RT: 4.33 min Scan# 851  
Delta R.T. 0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0809WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 72.6  | 35.4  | 106.3 |
| 76      | 42.2  | 19.7  | 59.1  |

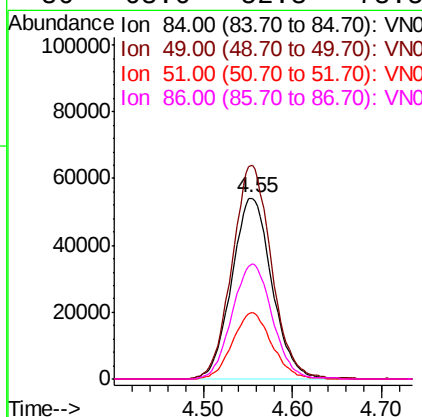
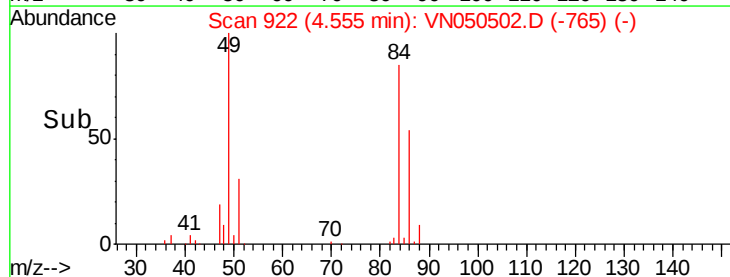
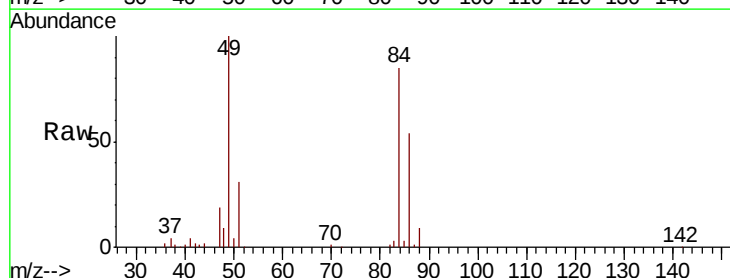
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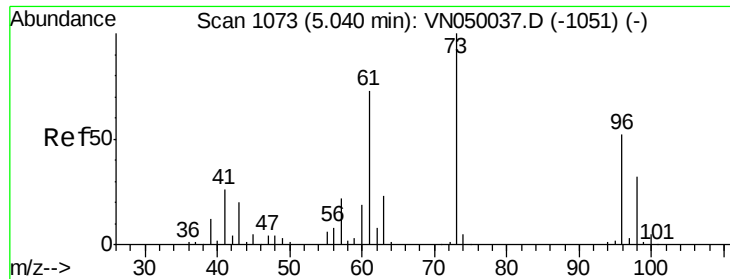
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#18  
Methylene Chloride  
Concen: 20.11 ug/l  
RT: 4.55 min Scan# 922  
Delta R.T. 0.01 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 118.1 | 95.1  | 142.7 |
| 51      | 36.8  | 28.8  | 43.2  |
| 86      | 63.6  | 52.3  | 78.5  |





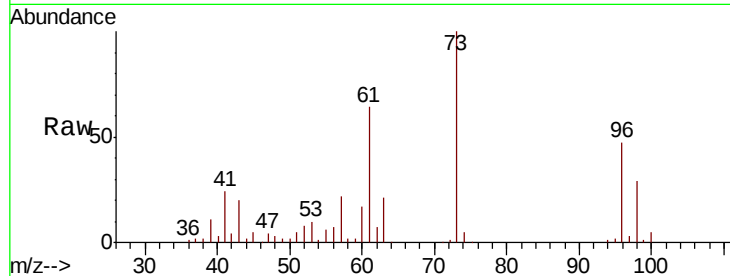
#19  
trans-1,2-Dichloroethene  
Concen: 20.05 ug/l  
RT: 5.05 min Scan# 1075  
Delta R.T. 0.01 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0809WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 135.9 | 112.1 | 168.1 |
| 98      | 61.5  | 51.3  | 76.9  |

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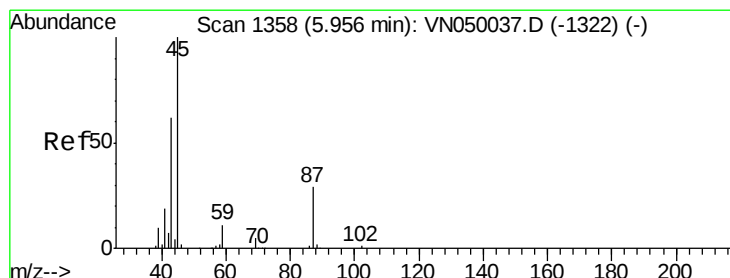
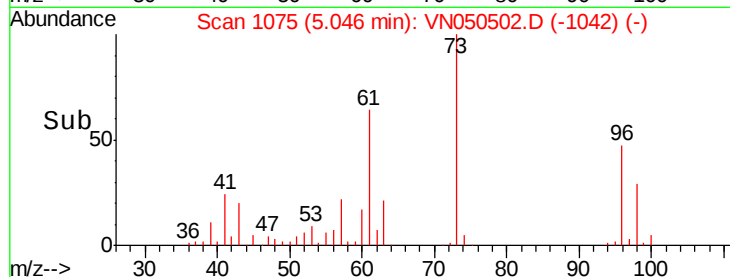
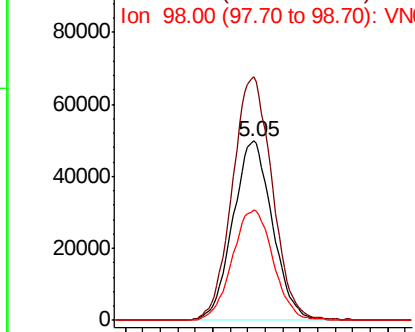


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20  
Diisopropyl ether  
Concen: 20.65 ug/l  
RT: 5.96 min Scan# 1358  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 60.9  | 46.6  | 70.0  |
| 87      | 28.8  | 22.3  | 33.5  |
| 59      | 12.0  | 9.5   | 14.3  |

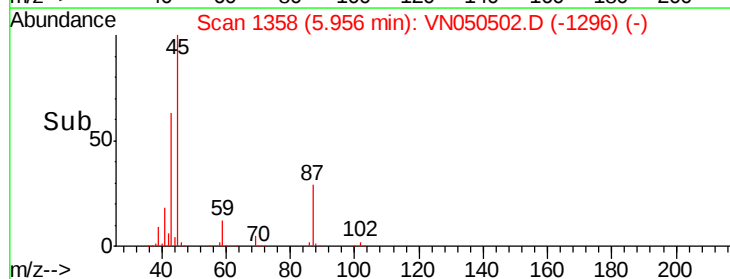
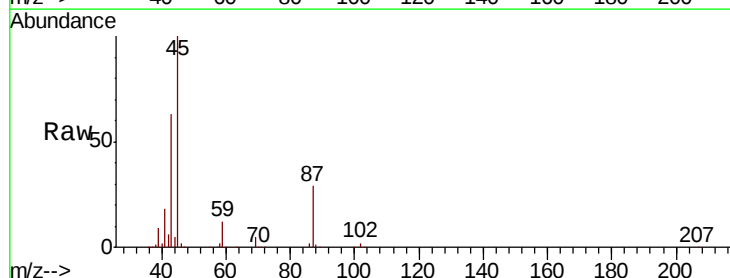
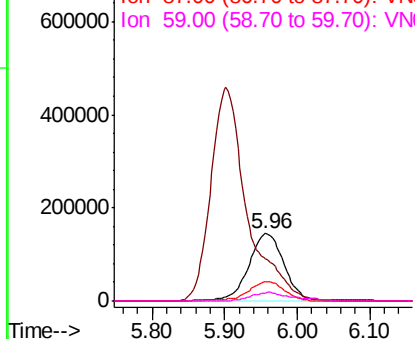
Abundance

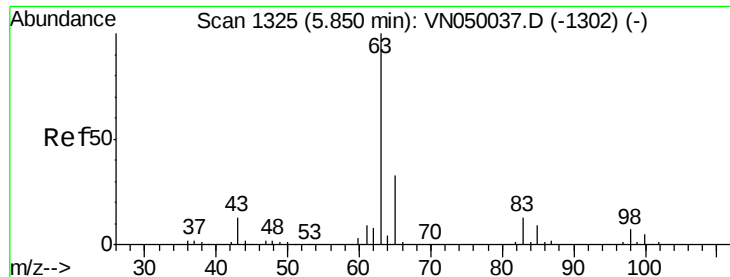
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





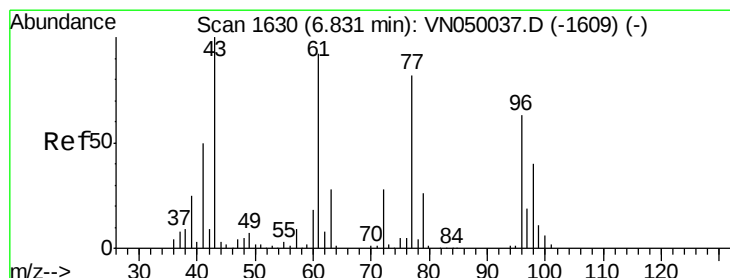
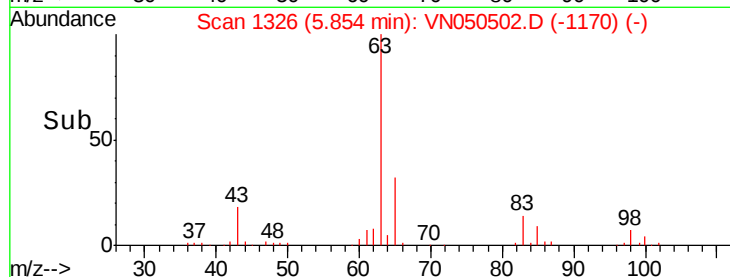
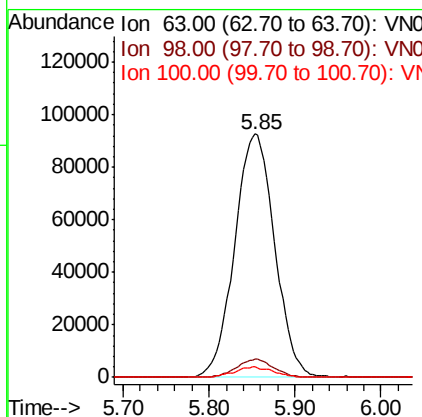
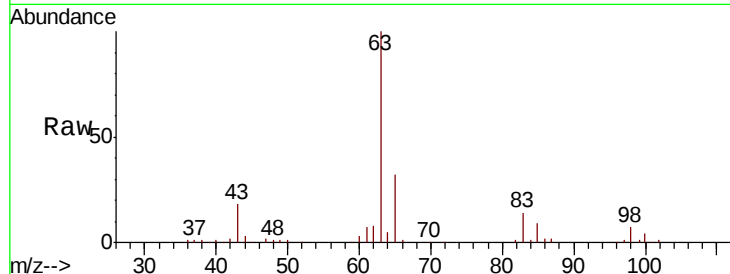
#21  
 1,1-Dichloroethane  
 Concen: 20.11 ug/l  
 RT: 5.85 min Scan# 1326  
 Delta R.T. 0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0809WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 63      | 100   | 299185 |       |       |
| 98      | 7.4   |        | 3.5   | 10.6  |
| 100     | 4.4   |        | 2.3   | 6.8   |

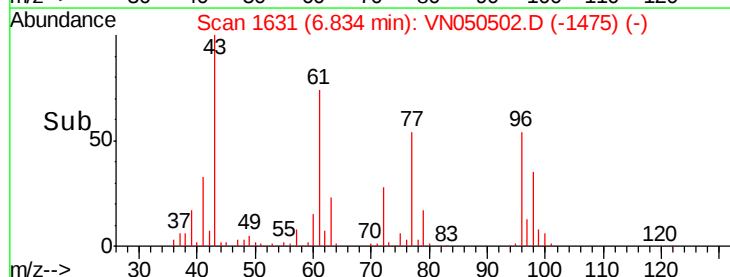
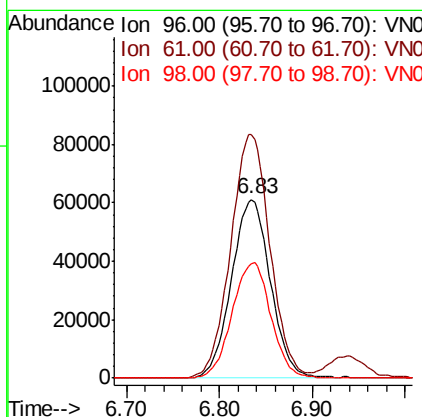
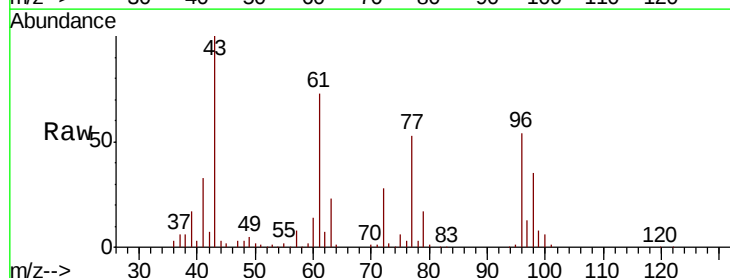
Manual Integrations  
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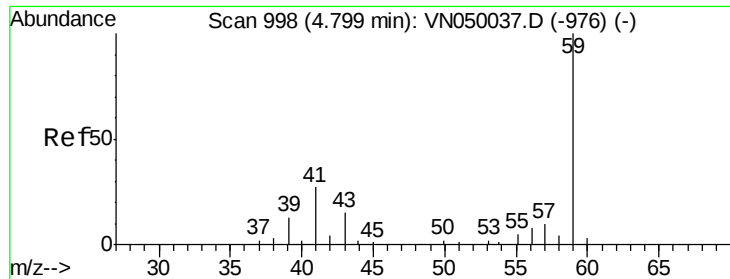
MMDadoda  
 8/10/2018 10:53:12 AM



#22  
 cis-1,2-Dichloroethene  
 Concen: 20.58 ug/l  
 RT: 6.83 min Scan# 1631  
 Delta R.T. 0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 178539 |       |       |
| 61      | 137.3 |        | 114.2 | 171.2 |
| 98      | 64.6  |        | 51.7  | 77.5  |





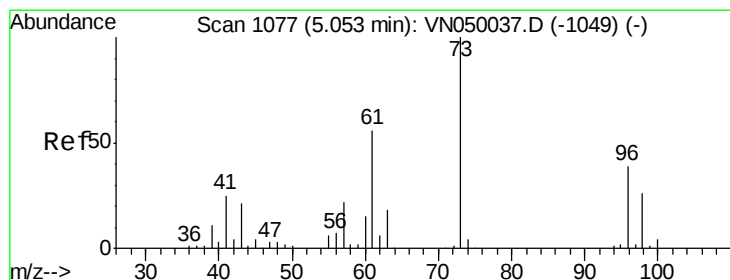
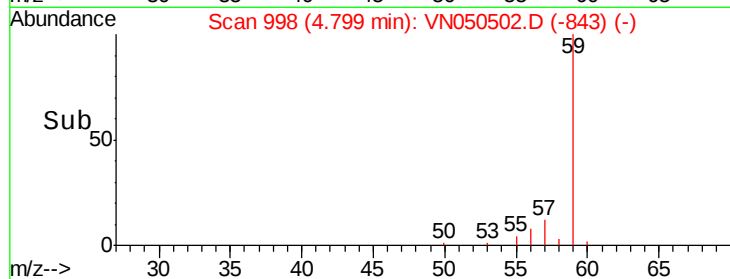
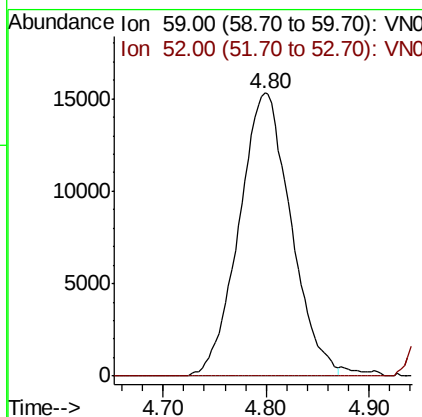
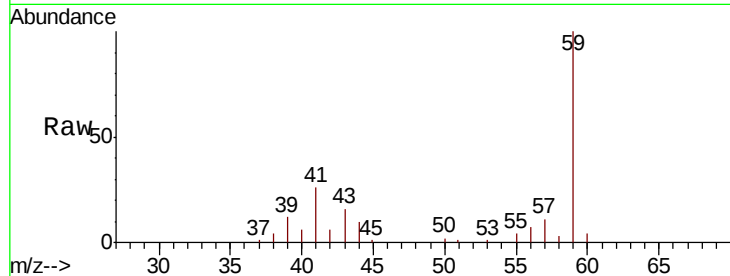
#23  
 tert-Butyl Alcohol  
 Concen: 85.65 ug/l  
 RT: 4.80 min Scan# 998  
 Delta R.T. -0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0809WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 52      | 0.0   | 0.1   | 0.1#  |

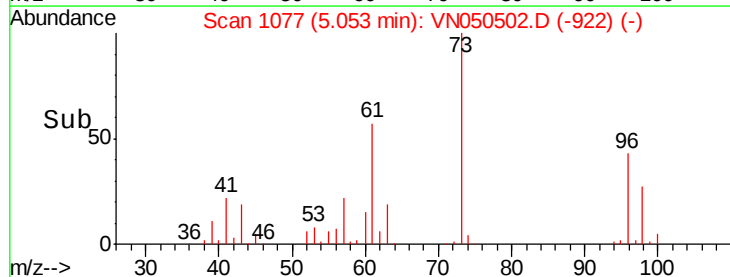
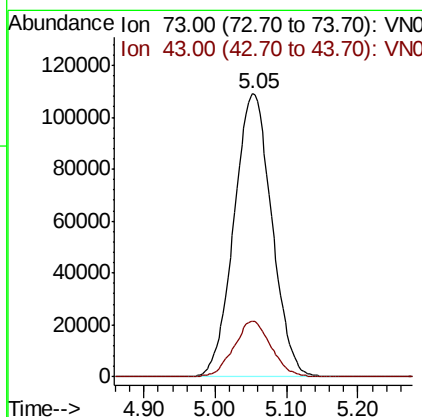
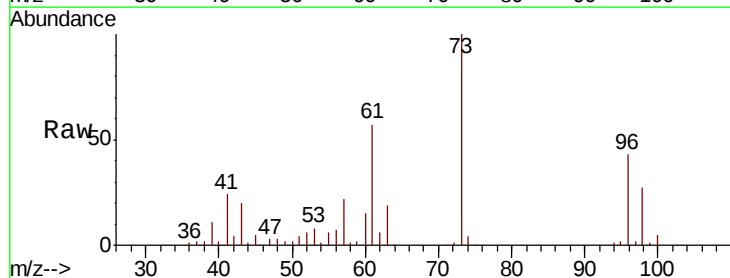
Manual Integrations  
 APPROVED

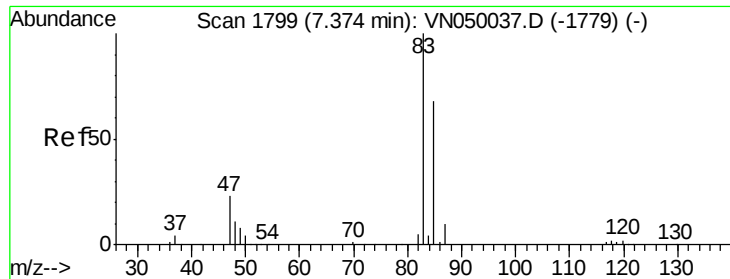
MMDadoda  
 8/10/2018 10:53:12 AM



#24  
 Methyl tert-Butyl Ether  
 Concen: 20.19 ug/l  
 RT: 5.05 min Scan# 1077  
 Delta R.T. -0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 43      | 19.1  | 15.5  | 23.3  |





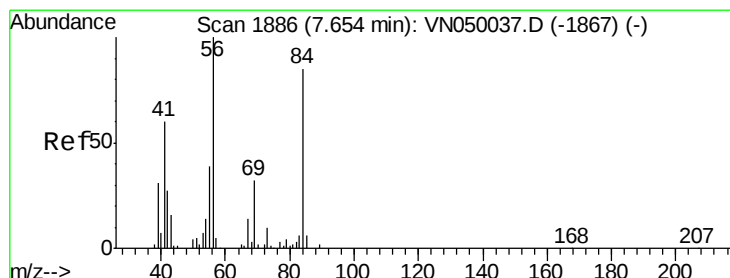
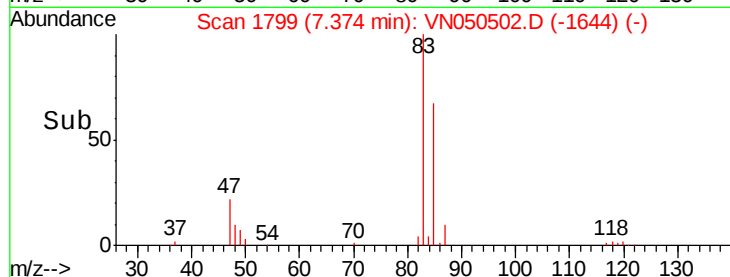
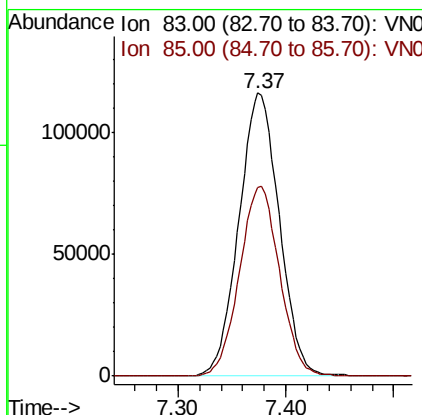
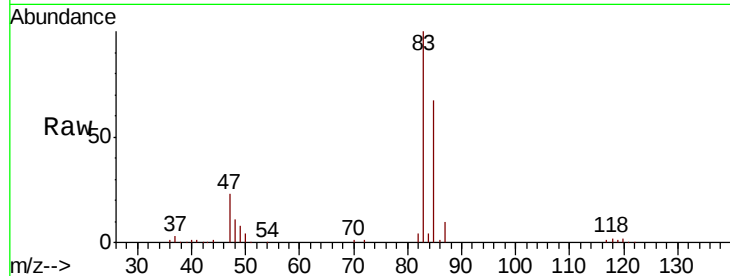
#25  
Chloroform  
Concen: 20.09 ug/l  
RT: 7.37 min Scan# 1799  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0809WBSD02

| Tot Ion   | 83   | Resp  | 302559 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 66.7 | 52.1  | 78.1   |

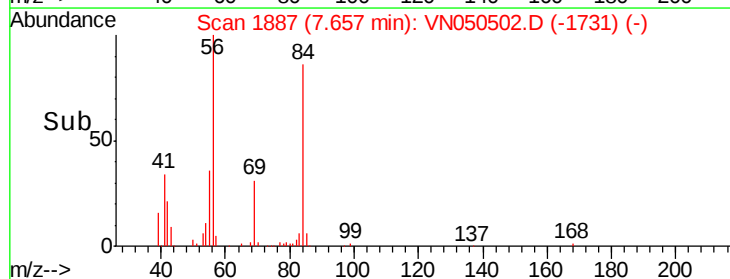
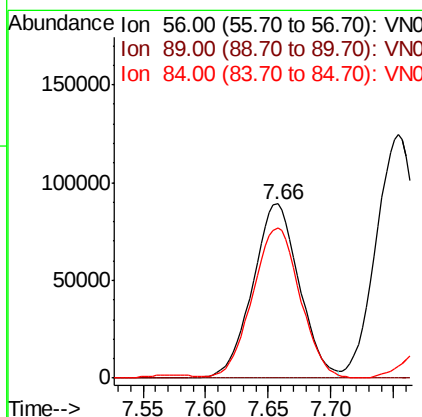
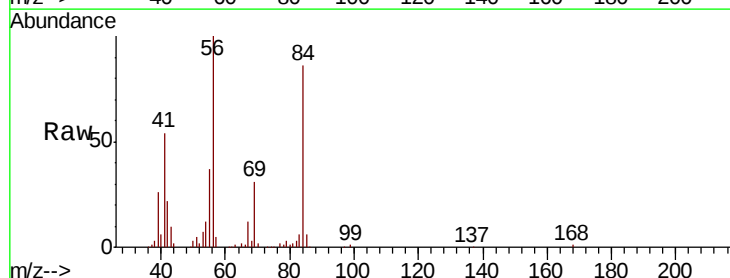
Manual Integrations  
APPROVED

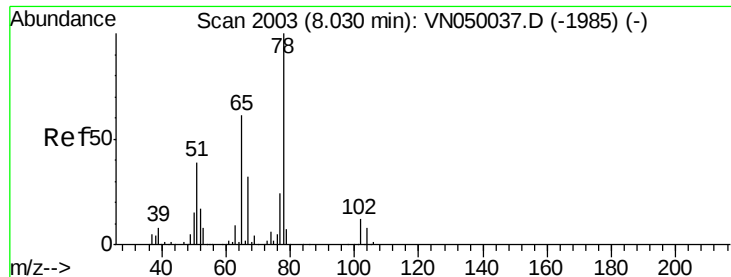
MMDadoda  
8/10/2018 10:53:12 AM



#26  
Cyclohexane  
Concen: 19.47 ug/l  
RT: 7.66 min Scan# 1887  
Delta R.T. 0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

| Tgt Ion   | 56   | Resp  | 230199 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 56        | 100  |       |        |
| 89        | 0.0  | 3.0   | 4.4#   |
| 84        | 87.3 | 69.8  | 104.8  |





#27

1,2-Dichloroethane-d4

Concen: 29.67 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA\_N

ClientSampleId :

VN0809WBSD02

Tot Ion: 65 Resp: 276435

Ion Ratio Lower Upper

65 100

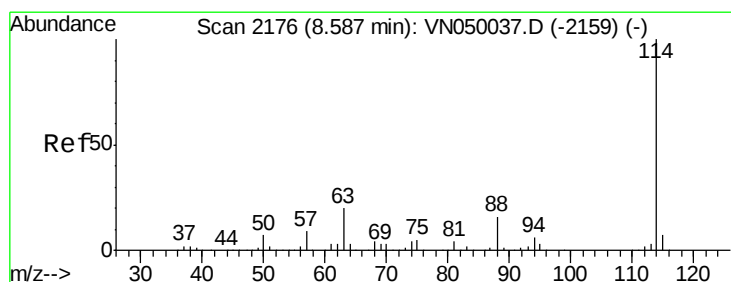
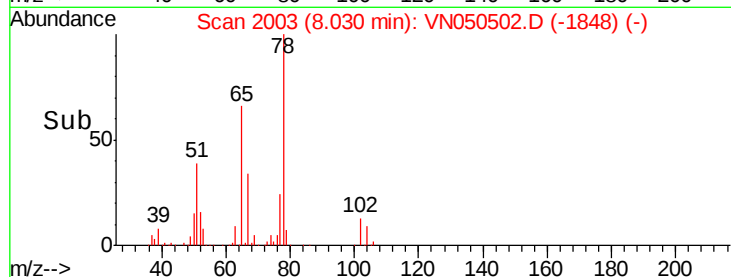
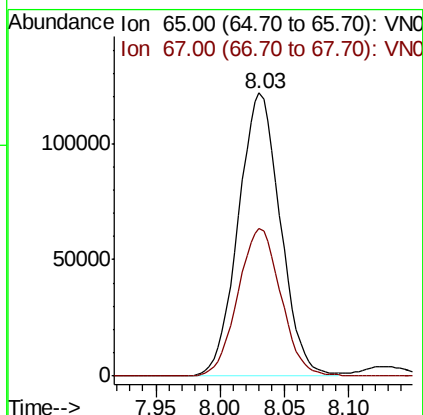
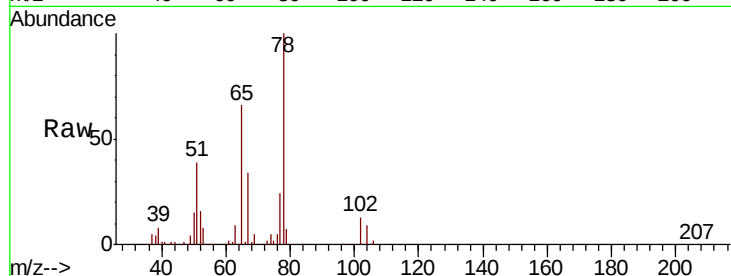
67 53.4 42.7 64.1

Manual Integrations

APPROVED

MMDadoda

8/10/2018 10:53:12 AM



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

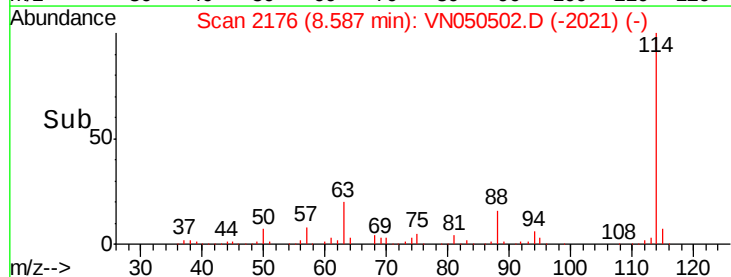
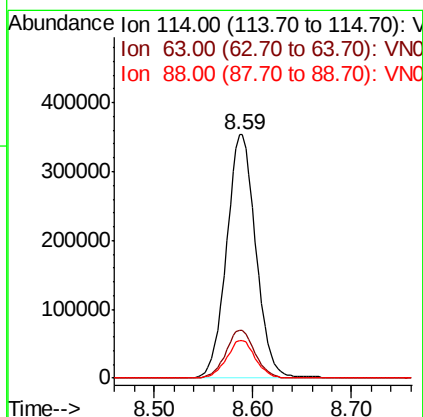
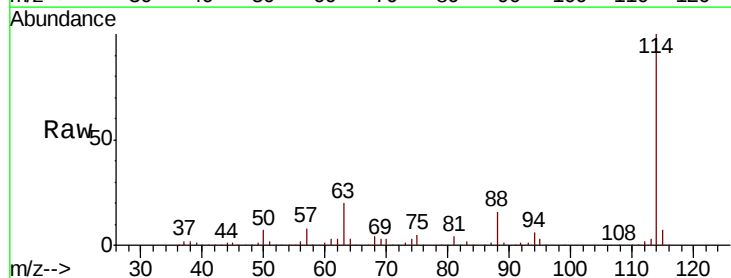
Tgt Ion: 114 Resp: 731916

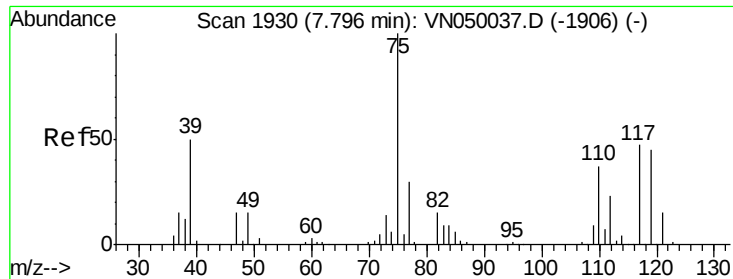
Ion Ratio Lower Upper

114 100

63 19.7 16.2 24.2

88 15.3 12.3 18.5





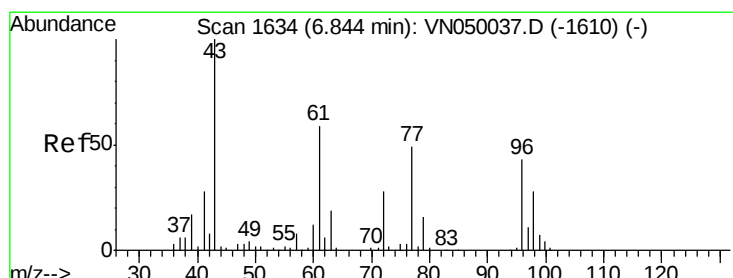
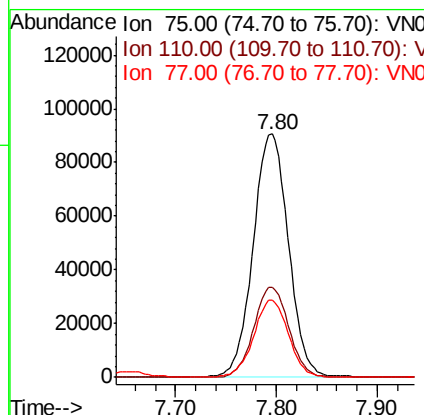
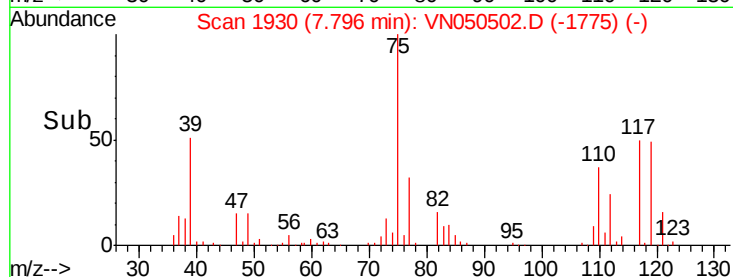
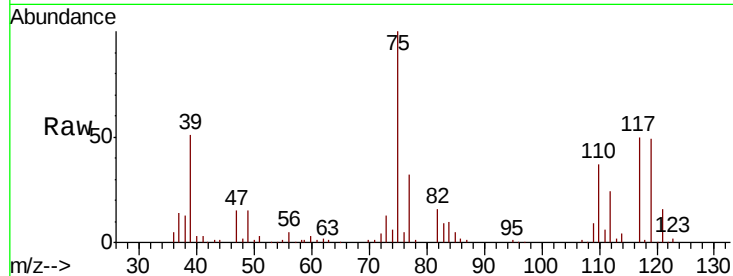
#29  
 1,1-Dichloropropene  
 Concen: 19.40 ug/l  
 RT: 7.80 min Scan# 1930  
 Delta R.T. -0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0809WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 220366 |       |       |
| 110     | 36.7  | 0.0    | 73.2  |       |
| 77      | 30.9  | 0.0    | 62.0  |       |

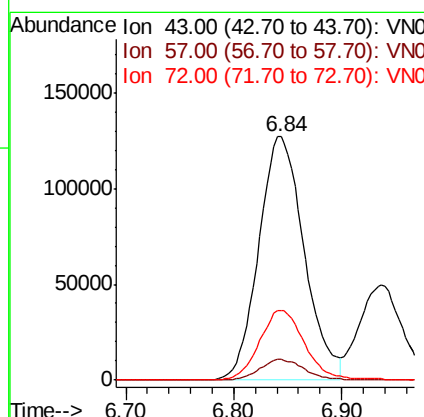
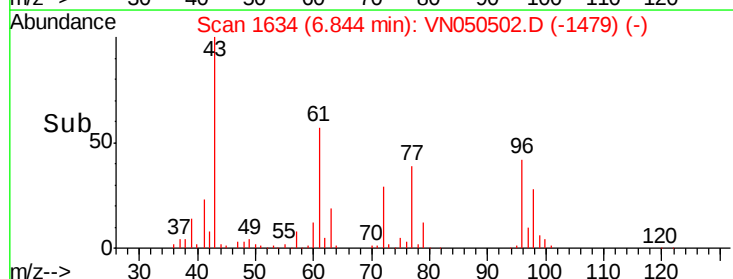
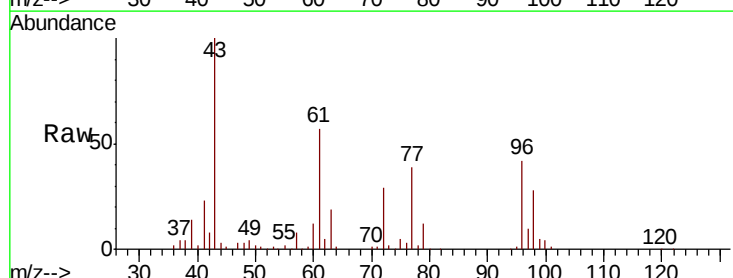
Manual Integrations  
 APPROVED

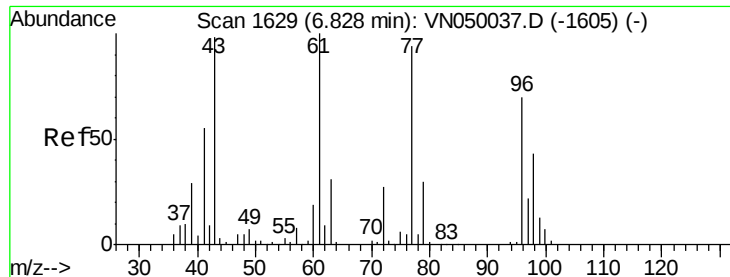
MMDadoda  
 8/10/2018 10:53:12 AM



#30  
 2-Butanone  
 Concen: 103.76 ug/l  
 RT: 6.84 min Scan# 1634  
 Delta R.T. -0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 369835 |       |       |
| 57      | 8.3   | 6.8    | 10.2  |       |
| 72      | 28.5  | 21.4   | 32.0  |       |





#31

2,2-Dichloropropane

Concen: 16.08 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA\_N

ClientSampleId :

VN0809WBSD02

Tot Ion: 77 Resp: 201914

Ion Ratio Lower Upper

77 100

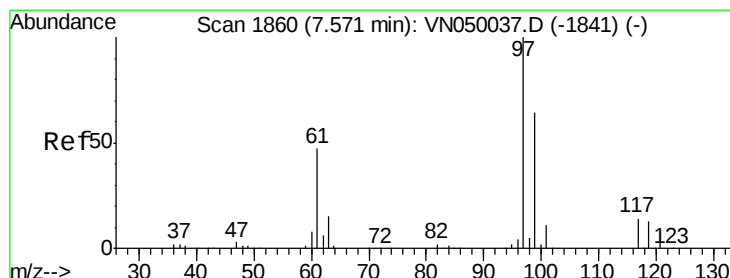
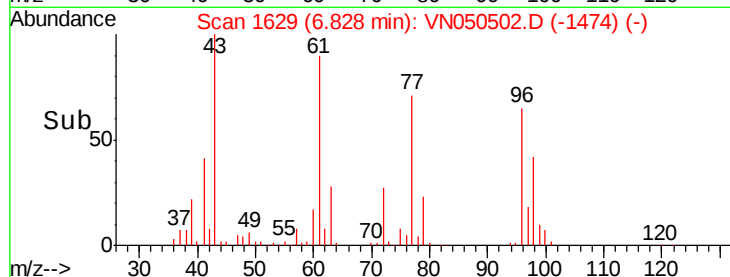
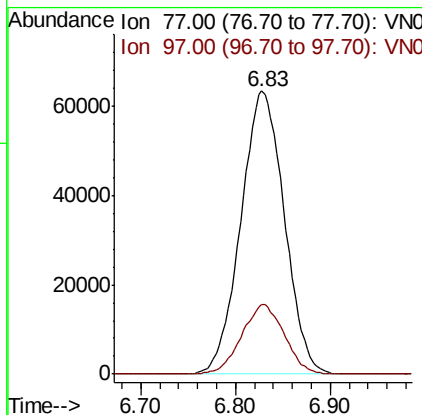
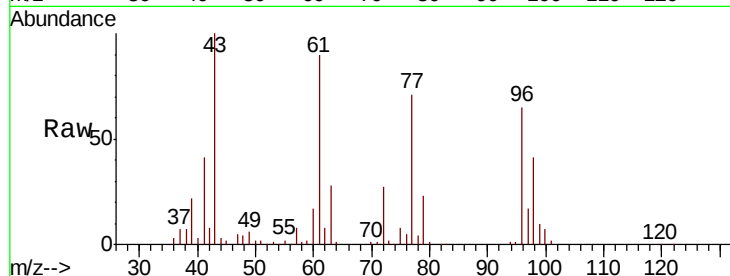
97 24.1 18.9 28.3

Manual Integrations

APPROVED

MMDadoda

8/10/2018 10:53:12 AM



#32

1,1,1-Trichloroethane

Concen: 19.35 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

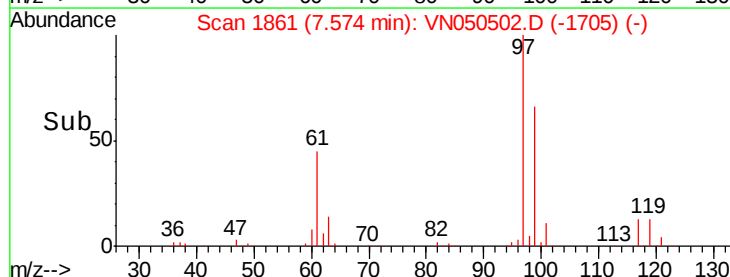
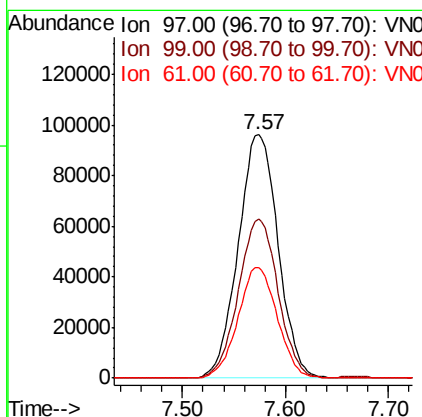
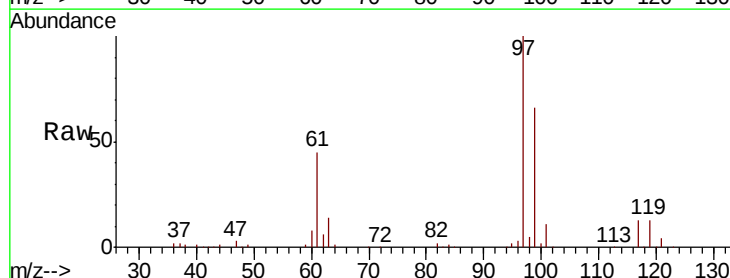
Tgt Ion: 97 Resp: 258763

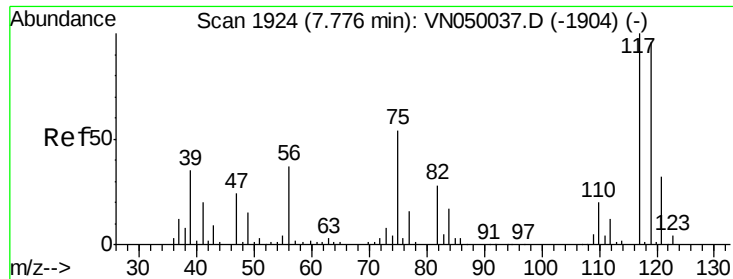
Ion Ratio Lower Upper

97 100

99 64.9 51.2 76.8

61 44.9 35.3 52.9





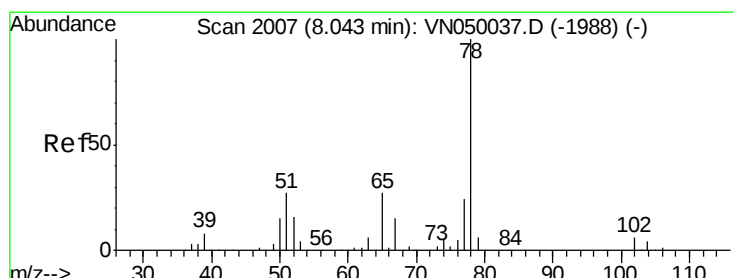
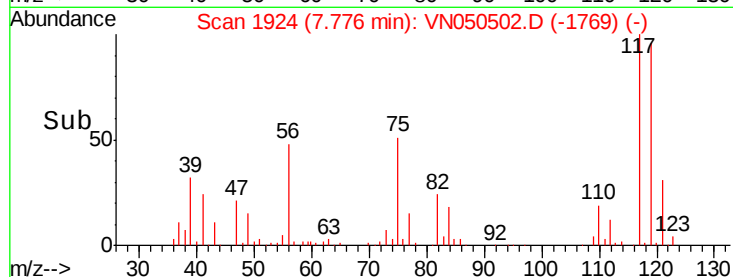
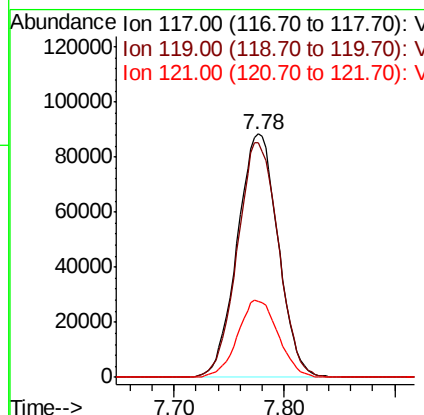
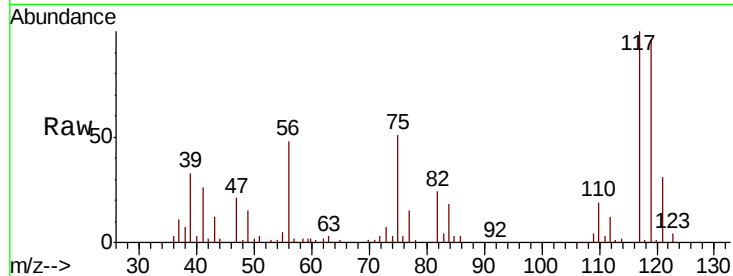
#33  
Carbon Tetrachloride  
Concen: 19.04 ug/l  
RT: 7.78 min Scan# 1924  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0809WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.2  | 76.9  | 115.3 |
| 121     | 31.4  | 24.4  | 36.6  |

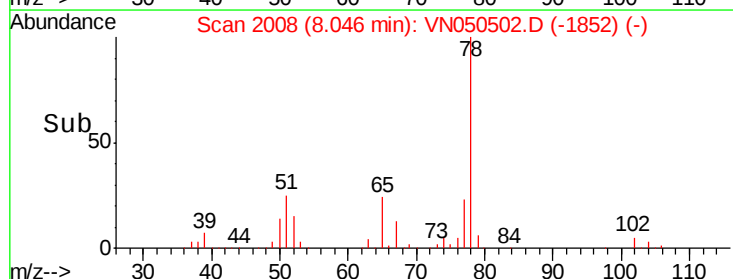
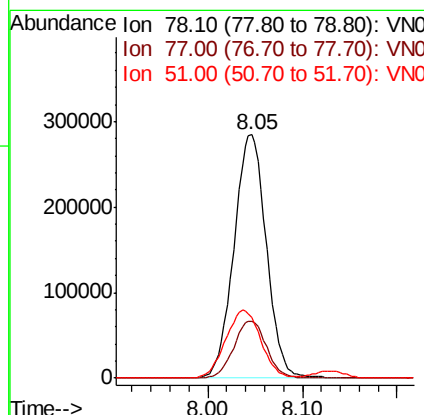
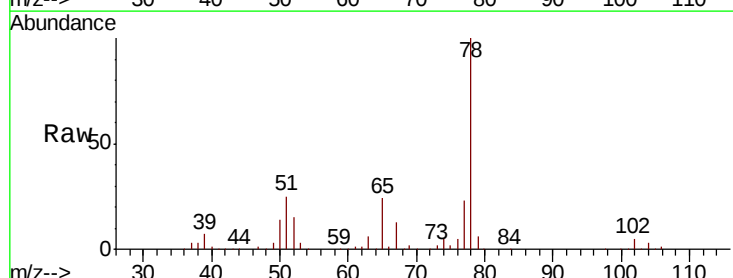
Manual Integrations  
APPROVED

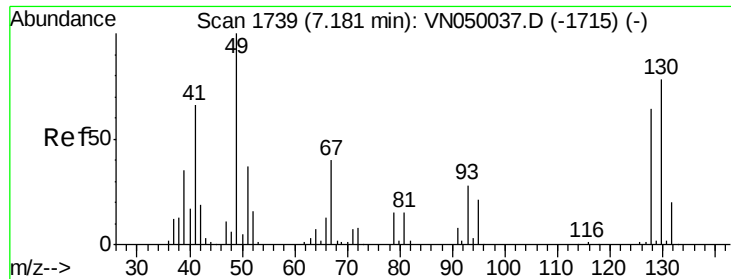
MMDadoda  
8/10/2018 10:53:12 AM



#34  
Benzene  
Concen: 19.60 ug/l  
RT: 8.05 min Scan# 2008  
Delta R.T. 0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.4  | 19.1  | 28.7  |
| 51      | 24.5  | 21.0  | 31.4  |





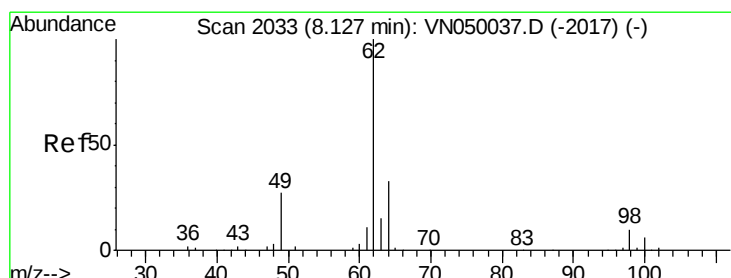
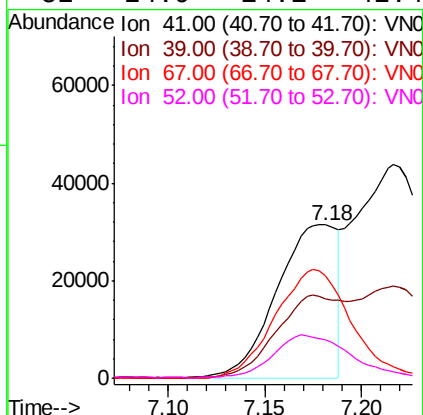
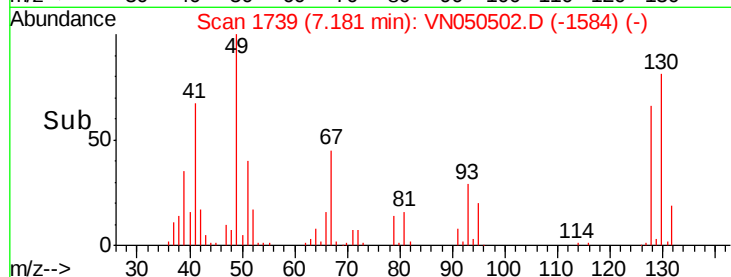
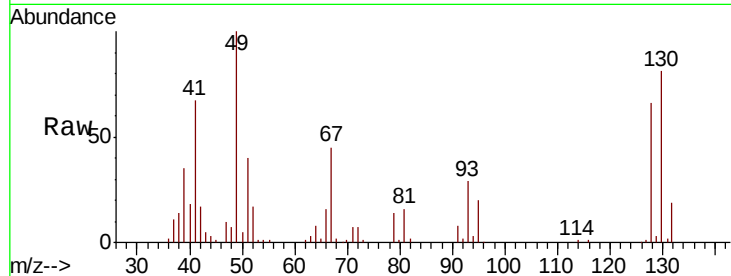
#35  
Methacrylonitrile  
Concen: 16.94 ug/l  
RT: 7.18 min Scan# 1739  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0809WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 51.4  | 27.6  | 82.7  |
| 67      | 66.6  | 35.1  | 105.5 |
| 52      | 24.9  | 14.1  | 42.4  |

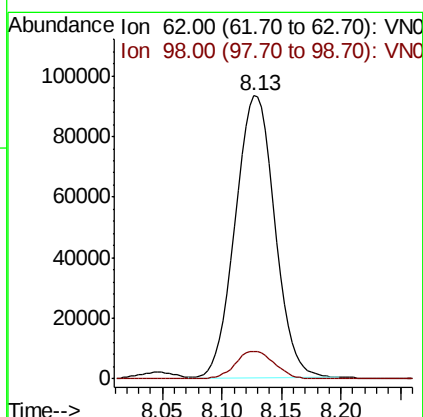
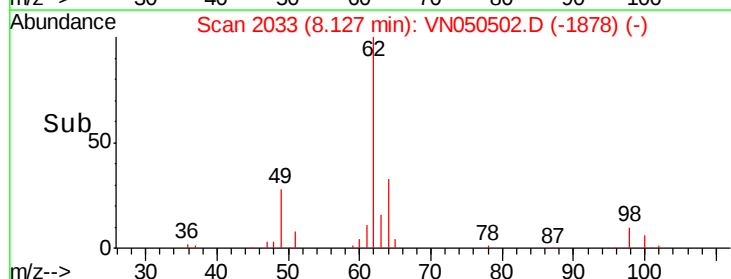
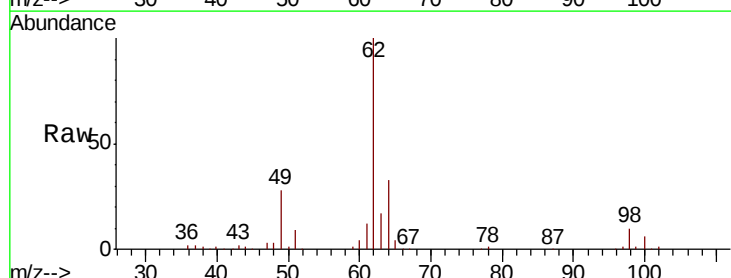
Manual Integrations  
APPROVED

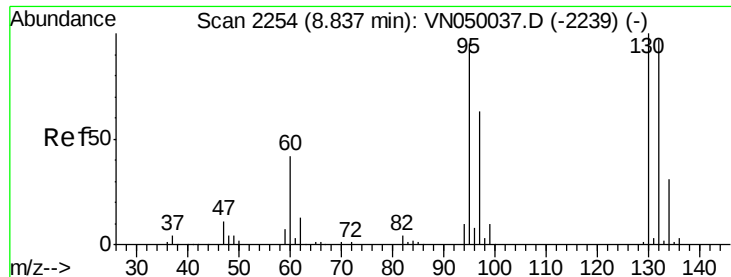
MMDadoda  
8/10/2018 10:53:12 AM



#36  
1,2-Dichloroethane  
Concen: 19.02 ug/l  
RT: 8.13 min Scan# 2033  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.6   | 7.8   | 11.6  |





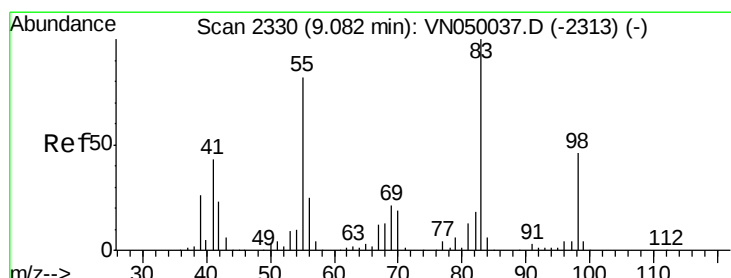
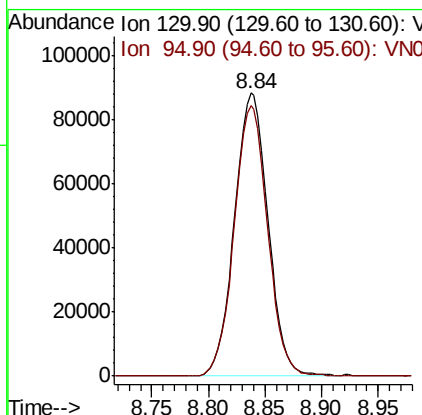
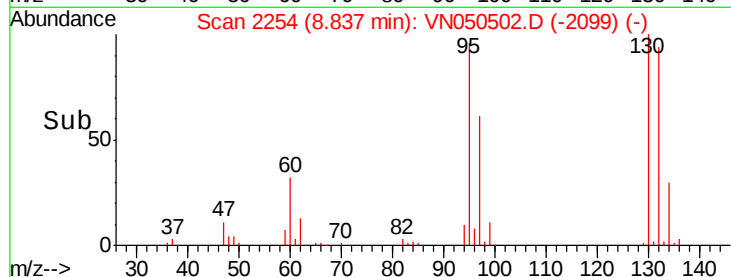
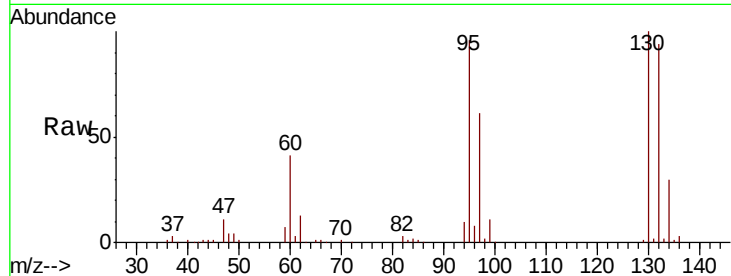
#37  
 Trichloroethene  
 Concen: 20.15 ug/l  
 RT: 8.84 min Scan# 2254  
 Delta R.T. -0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0809WBSD02

Tot Ion:130 Resp: 182334  
 Ion Ratio Lower Upper  
 130 100  
 95 95.7 79.7 119.5

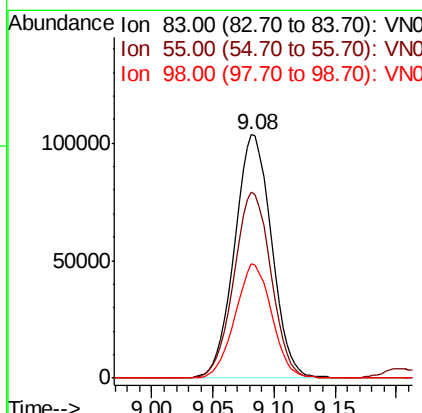
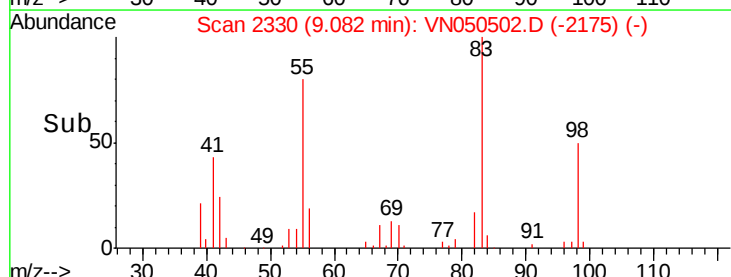
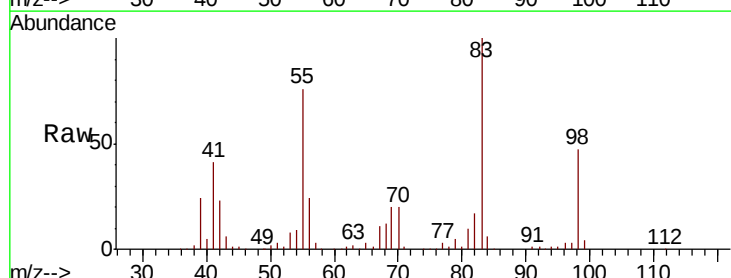
Manual Integrations  
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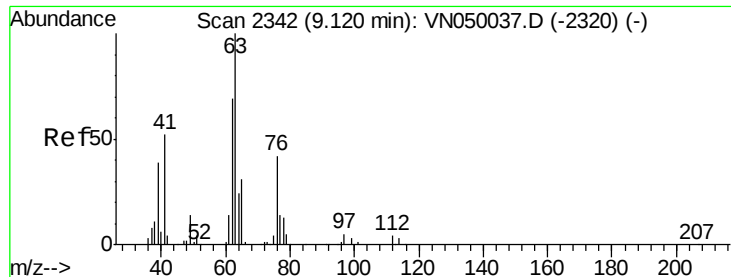
MMDadoda  
 8/10/2018 10:53:12 AM



#38  
 Methylcyclohexane  
 Concen: 18.19 ug/l  
 RT: 9.08 min Scan# 2330  
 Delta R.T. -0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

Tgt Ion: 83 Resp: 217840  
 Ion Ratio Lower Upper  
 83 100  
 55 76.7 39.3 117.8  
 98 46.4 23.0 69.0





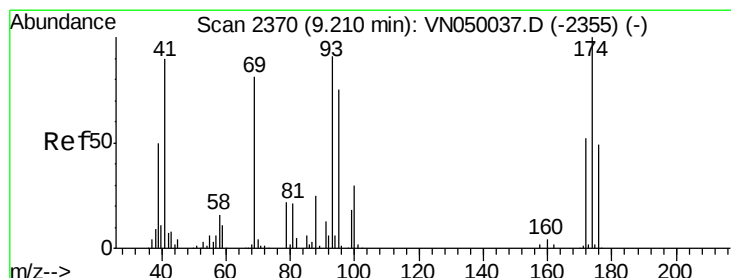
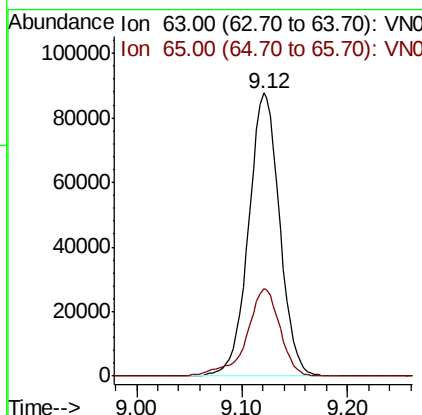
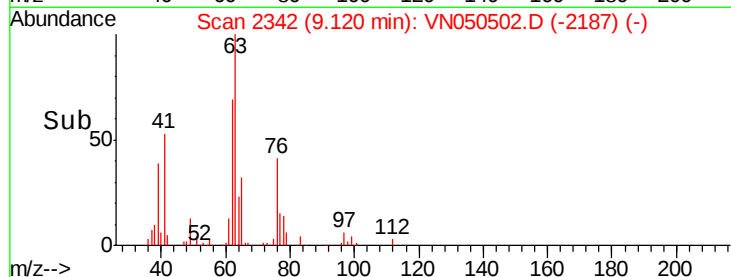
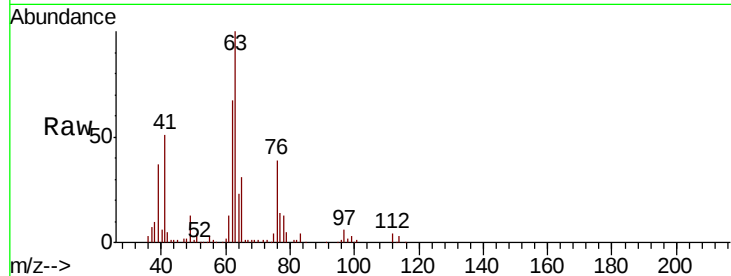
#39  
 1,2-Dichloropropane  
 Concen: 19.81 ug/l  
 RT: 9.12 min Scan# 2342  
 Delta R.T. -0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0809WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.8  | 24.2  | 36.2  |

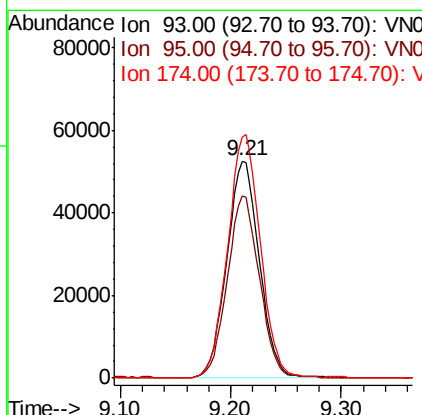
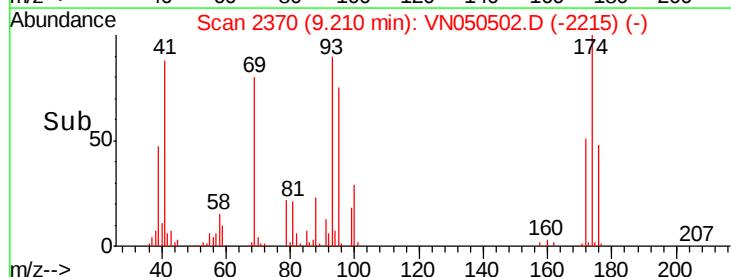
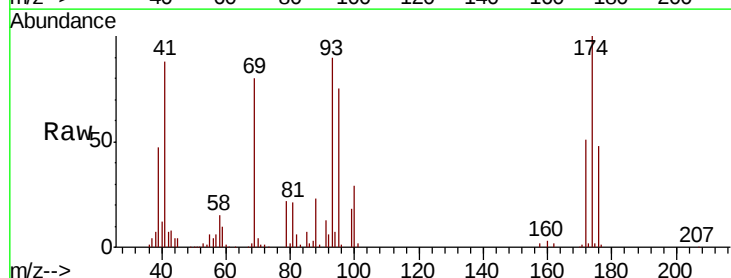
Manual Integrations  
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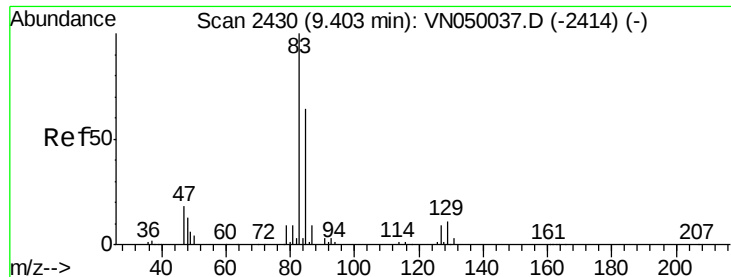
MMDadoda  
 8/10/2018 10:53:12 AM



#40  
 Dibromomethane  
 Concen: 19.24 ug/l  
 RT: 9.21 min Scan# 2370  
 Delta R.T. -0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.5  | 0.0   | 165.6 |
| 174     | 112.3 | 0.0   | 223.2 |





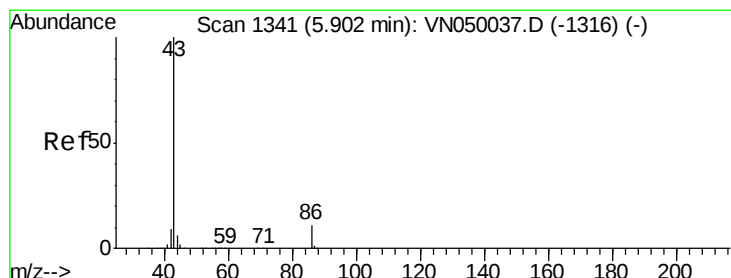
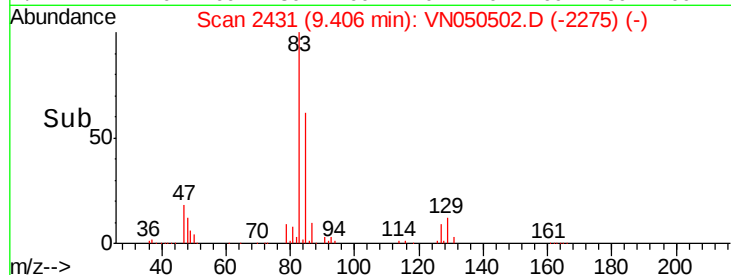
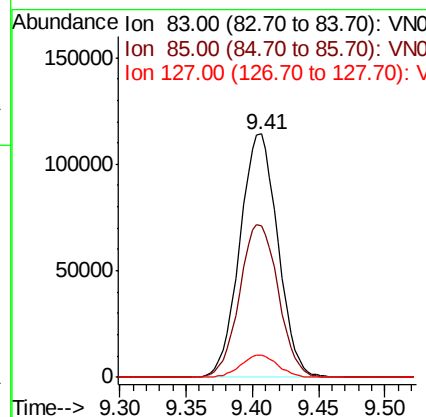
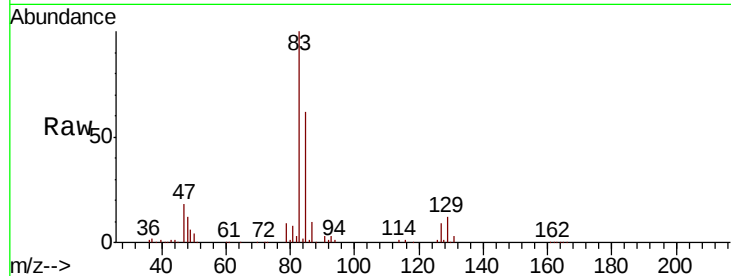
#41  
 Bromodichloromethane  
 Concen: 19.21 ug/l  
 RT: 9.41 min Scan# 2431  
 Delta R.T. 0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0809WBSD02

| Tot Ion   | 83   | Resp  | 227631 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 62.2 | 52.6  | 78.8   |
| 127       | 9.0  | 7.0   | 10.4   |

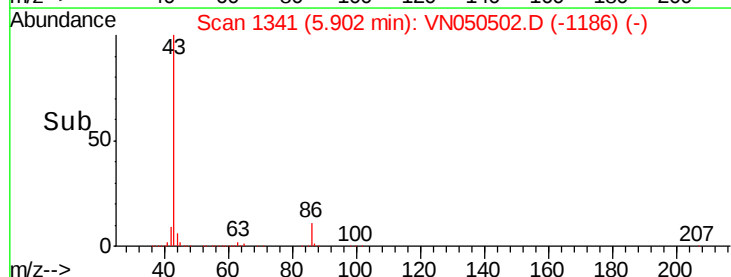
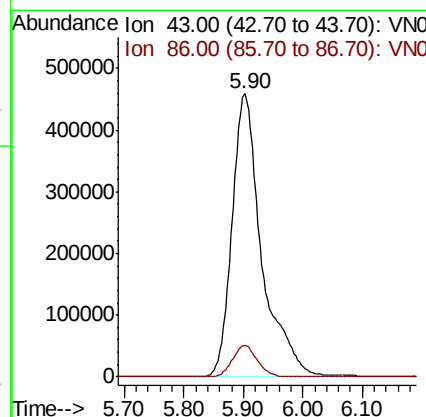
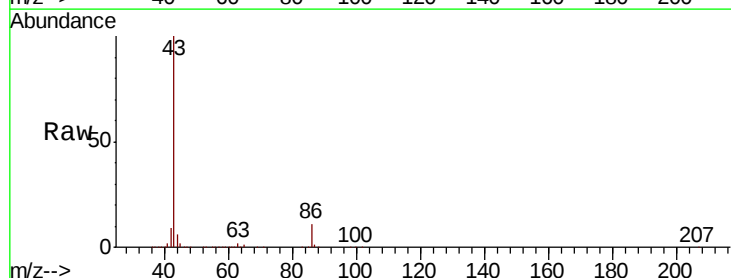
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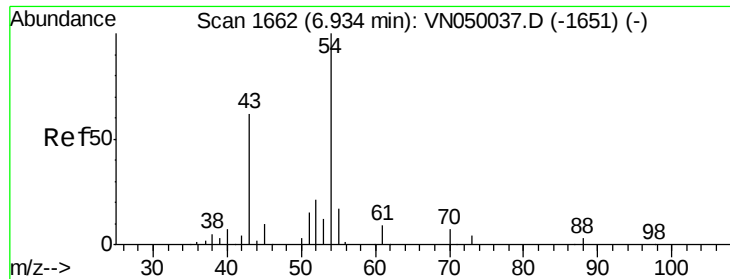
MMDadoda  
 8/10/2018 10:53:12 AM



#42  
 Vinyl Acetate  
 Concen: 94.94 ug/l  
 RT: 5.90 min Scan# 1341  
 Delta R.T. -0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

| Tgt Ion   | 43  | Resp  | 1592461 |
|-----------|-----|-------|---------|
| Ion Ratio | 100 | Lower | Upper   |
| 43        | 100 |       |         |
| 86        | 9.3 | 7.3   | 10.9    |





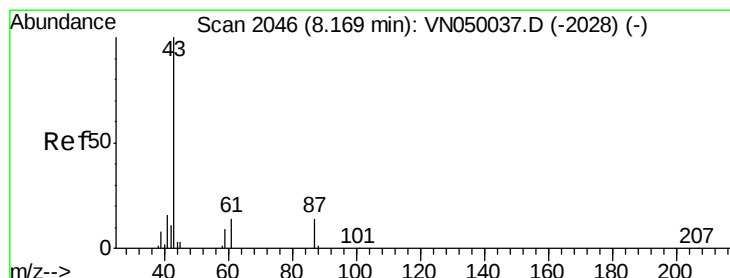
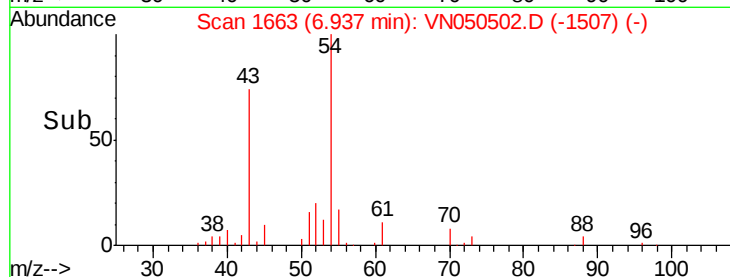
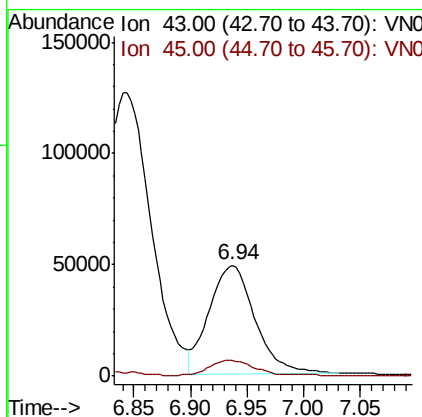
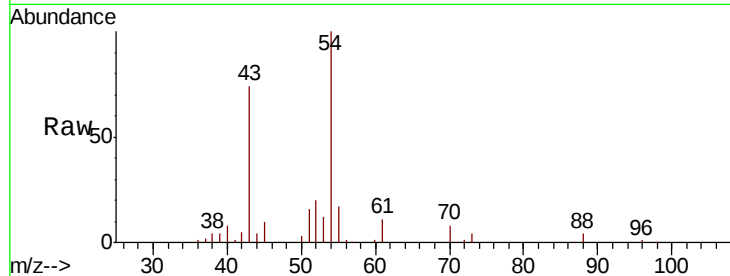
#43  
Ethyl Acetate  
Concen: 18.55 ug/l  
RT: 6.94 min Scan# 1663  
Delta R.T. 0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

Instrument :  
MSVOA\_N  
ClientSampleID :  
VN0809WBSD02

Tot Ion: 43 Resp: 138044  
Ion Ratio Lower Upper  
43 100  
45 12.9 13.0 19.6#

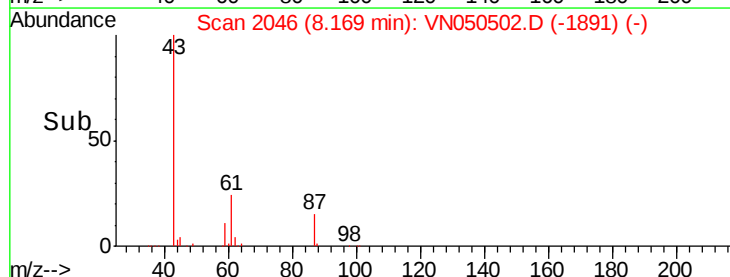
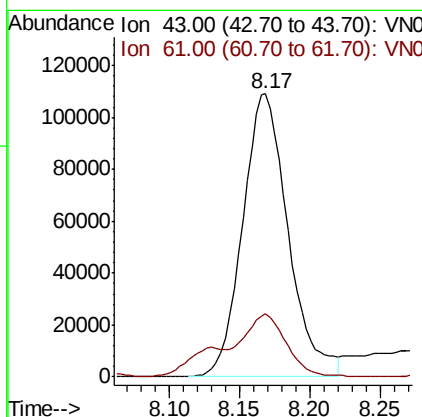
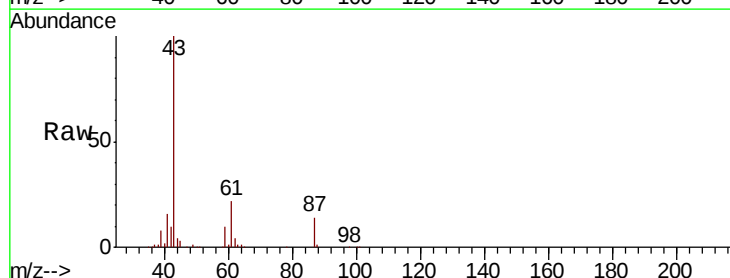
Manual Integrations  
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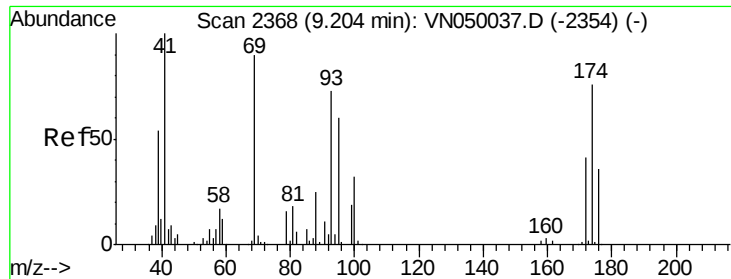
MMDadoda  
8/10/2018 10:53:12 AM



#44  
Isopropyl Acetate  
Concen: 17.75 ug/l  
RT: 8.17 min Scan# 2046  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

Tgt Ion: 43 Resp: 244678  
Ion Ratio Lower Upper  
43 100  
61 20.4 16.4 24.6





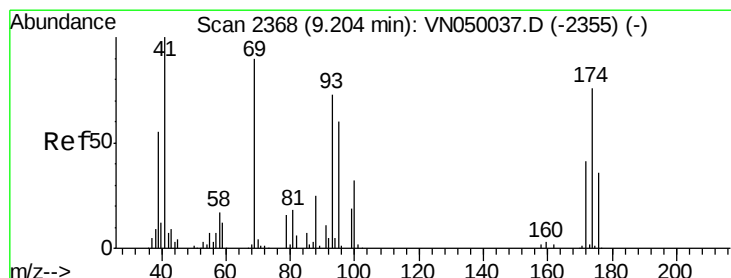
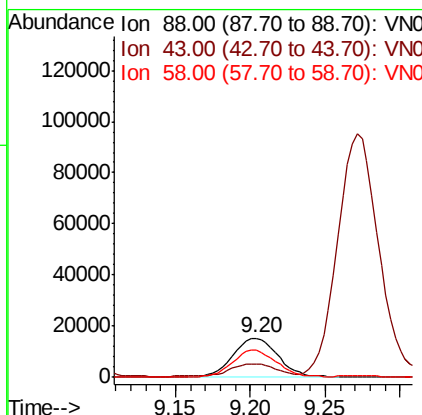
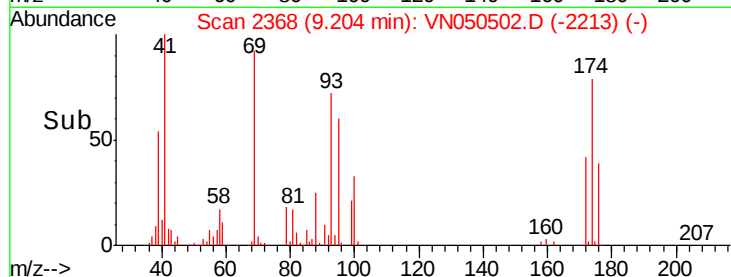
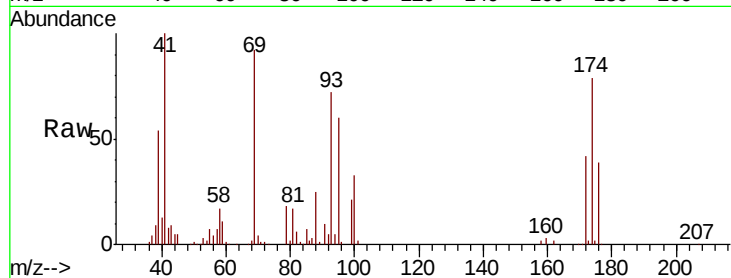
#45  
 1,4-Dioxane  
 Concen: 356.64 ug/l  
 RT: 9.20 min Scan# 2368  
 Delta R.T. -0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0809WBSD02

| Tot Ion | 88    | Resp  | 32358 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 31.6  | 26.9  | 40.3  |
| 58      | 68.7  | 53.6  | 80.4  |

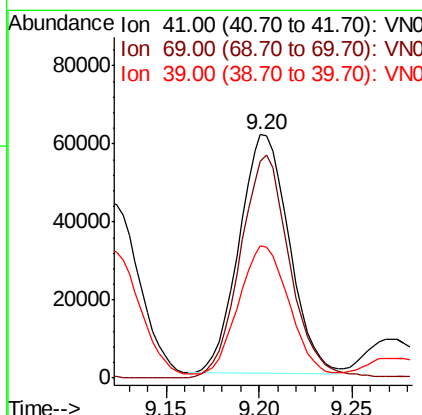
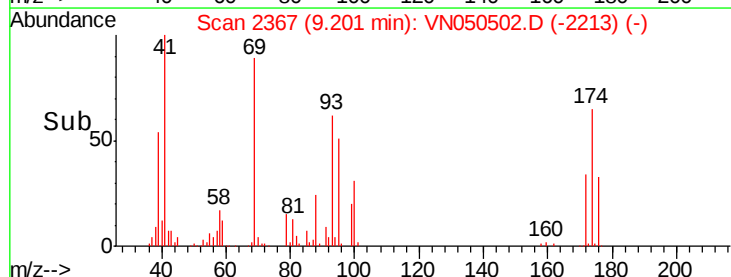
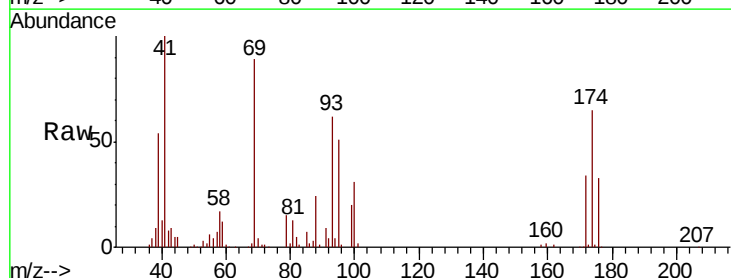
Manual Integrations  
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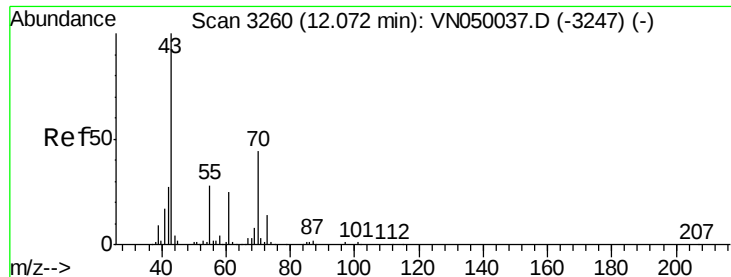
MMDadoda  
 8/10/2018 10:53:12 AM



#46  
 Methyl methacrylate  
 Concen: 17.14 ug/l  
 RT: 9.20 min Scan# 2367  
 Delta R.T. -0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

| Tgt Ion | 41    | Resp  | 114593 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 41      | 100   |       |        |
| 69      | 90.5  | 44.0  | 132.1  |
| 39      | 53.8  | 27.0  | 80.8   |





#47

n-amvl Acetate

Concen: 17.80 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA\_N

ClientSampleId :

VN0809WBSD02

Tot Ion: 43 Resp: 191018

Ion Ratio Lower Upper

43 100

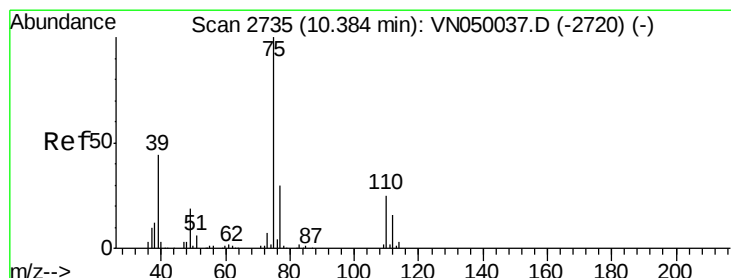
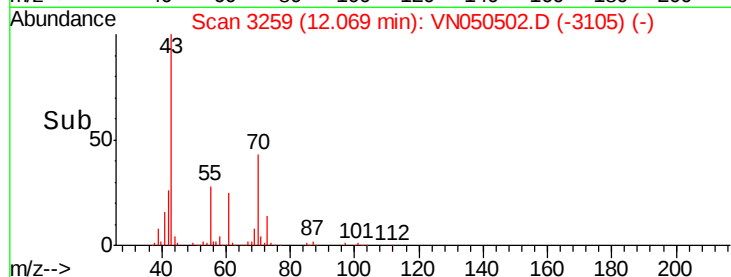
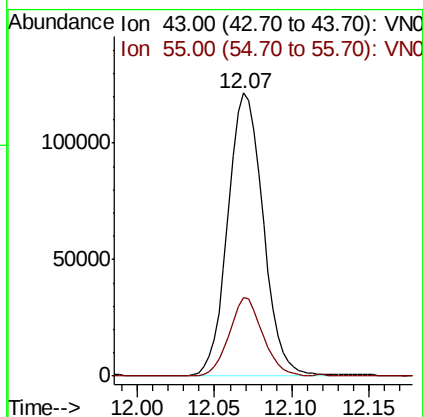
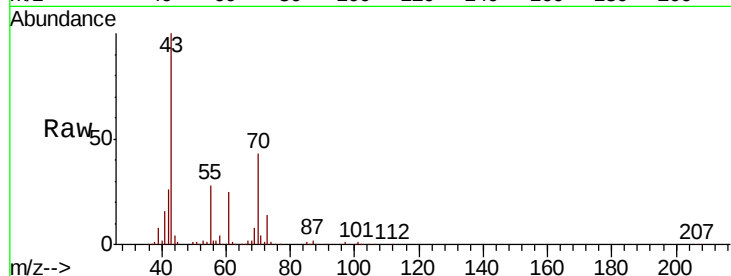
55 26.7 21.0 31.4

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8/10/2018 10:53:12 AM



#48

t-1,3-Dichloropropene

Concen: 18.49 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050502.D

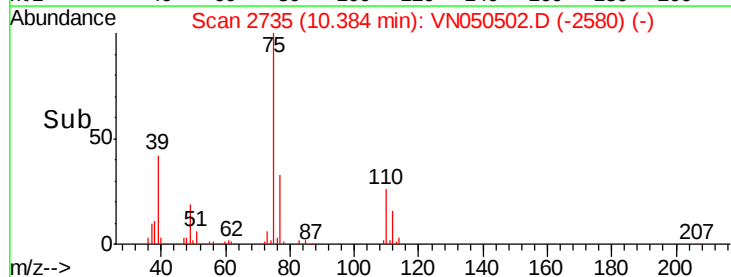
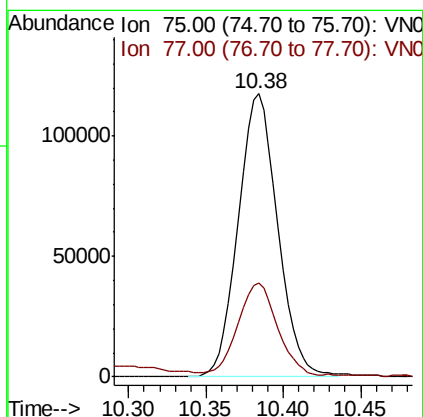
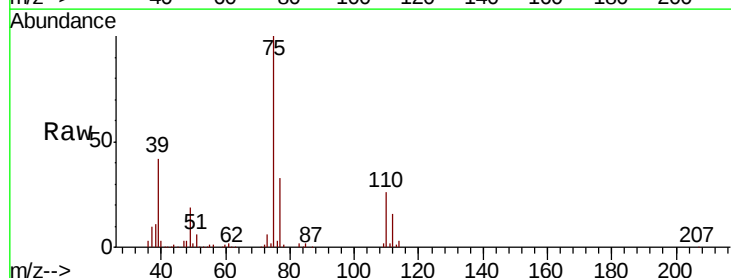
Acq: 9 Aug 2018 22:52

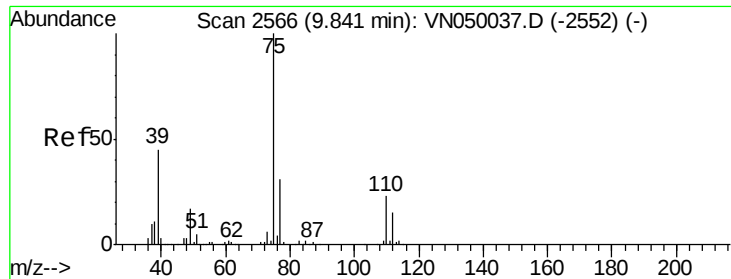
Tgt Ion: 75 Resp: 208849

Ion Ratio Lower Upper

75 100

77 32.3 24.6 37.0





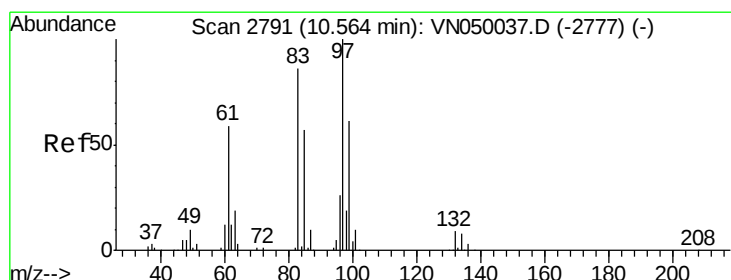
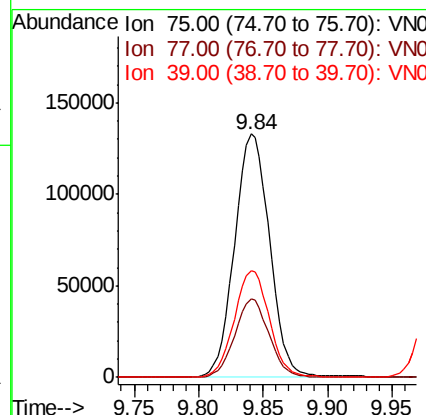
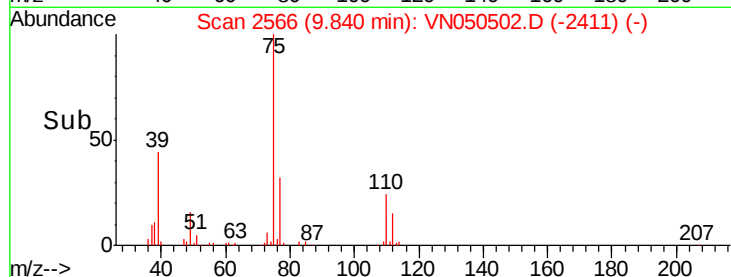
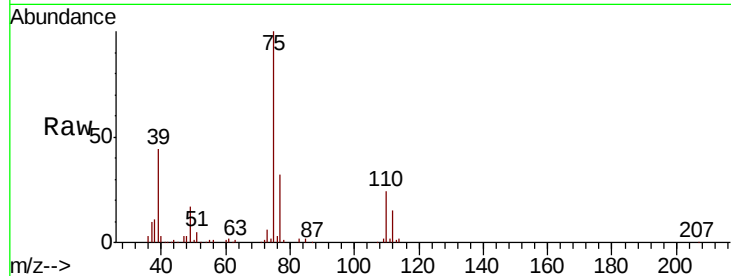
#49  
 cis-1,3-Dichloropropene  
 Concen: 18.93 ug/l  
 RT: 9.84 min Scan# 2566  
 Delta R.T. -0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0809WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.0  | 25.7  | 38.5  |
| 39      | 43.8  | 36.3  | 54.5  |

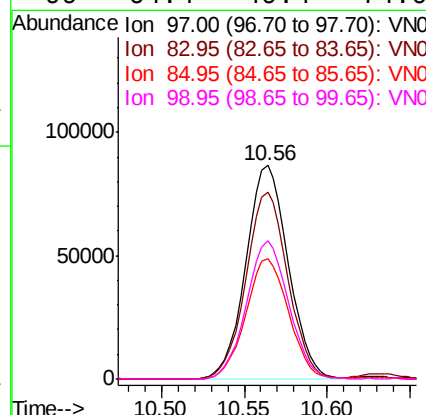
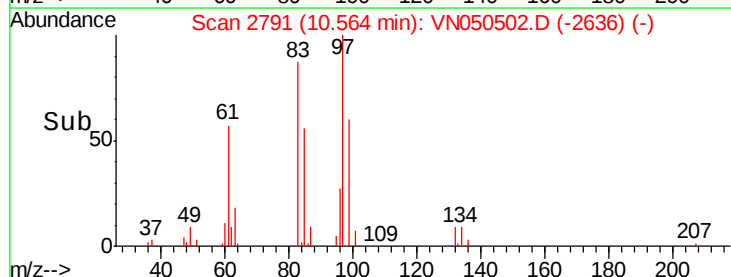
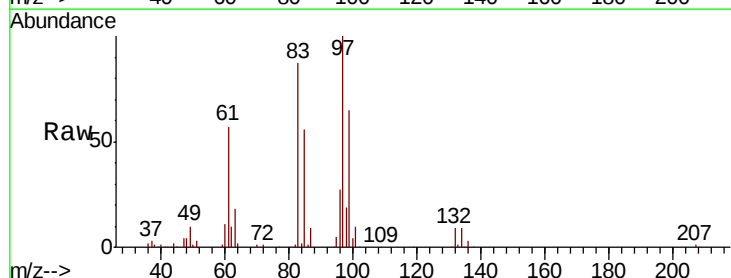
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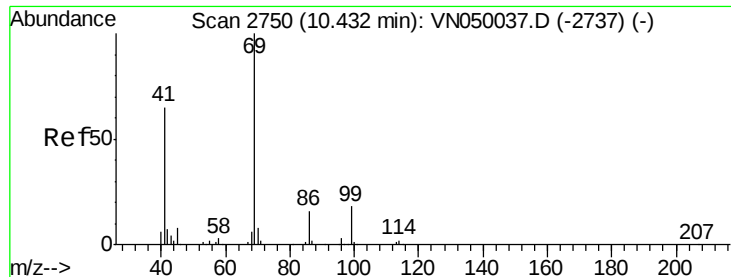
MMDadoda  
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#50  
 1,1,2-Trichloroethane  
 Concen: 19.07 ug/l  
 RT: 10.56 min Scan# 2791  
 Delta R.T. -0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 87.4  | 68.1  | 102.1 |
| 85      | 56.1  | 45.4  | 68.2  |
| 99      | 64.4  | 49.4  | 74.0  |





#51

Ethyl methacrylate

Concen: 18.39 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA\_N

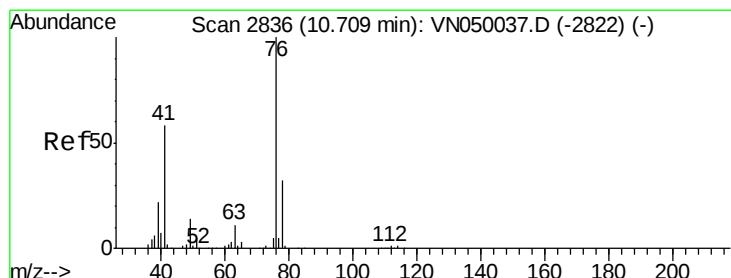
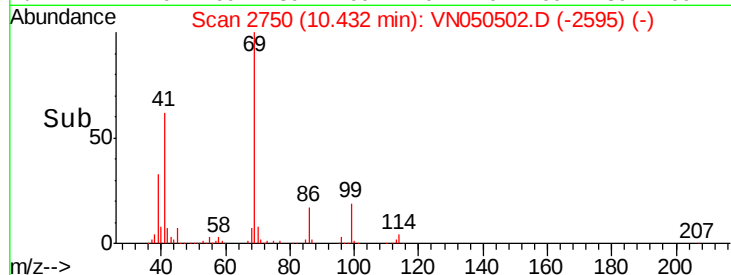
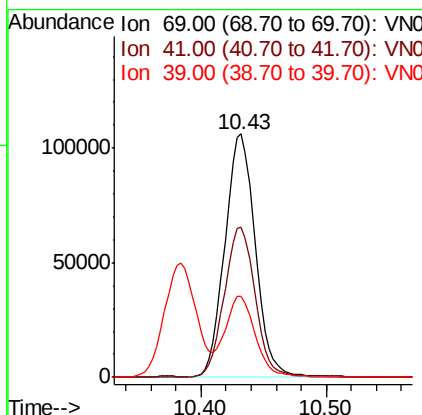
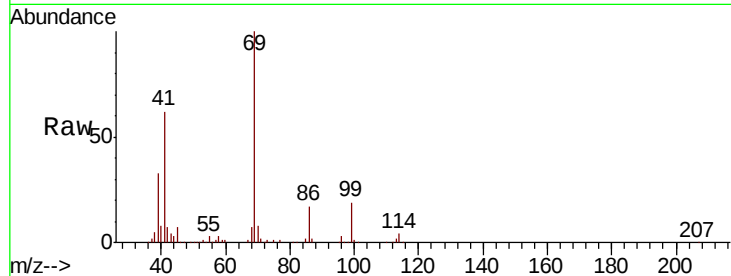
ClientSampled :

VN0809WBSD02

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 69    | Resp: | 179907 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 61.5  | 31.9  | 95.9   |
| 39       | 33.1  | 16.7  | 50.1   |

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8/10/2018 10:53:12 AM



#52

1,3-Dichloropropane

Concen: 19.17 ug/l

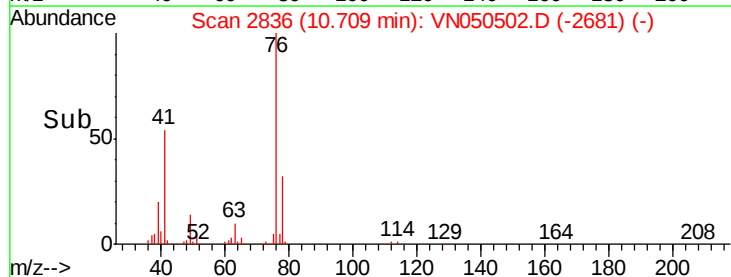
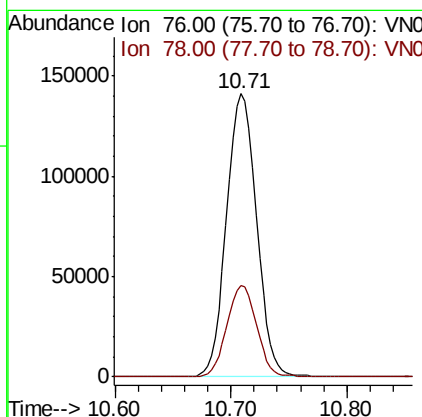
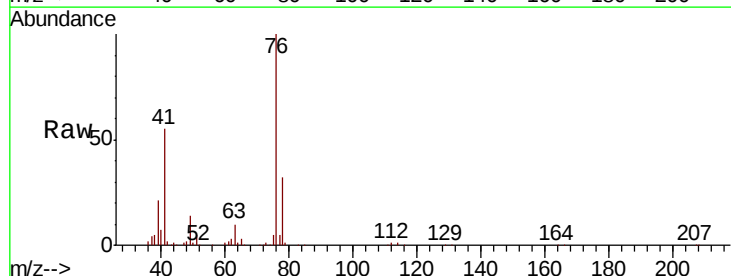
RT: 10.71 min Scan# 2836

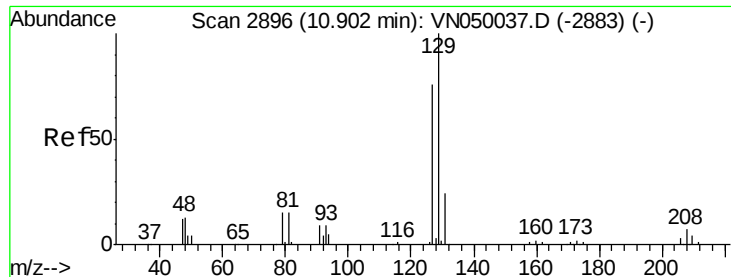
Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 76    | Resp: | 253836 |
| Ion      | Ratio | Lower | Upper  |
| 76       | 100   |       |        |
| 78       | 32.0  | 0.0   | 65.6   |





#53

Dibromochloromethane

Concen: 18.77 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA\_N

ClientSampleId :

VN0809WBSD02

Tot Ion:129 Resp: 171760

Ion Ratio Lower Upper

129 100

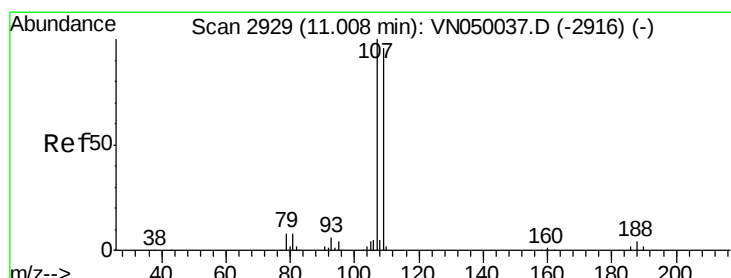
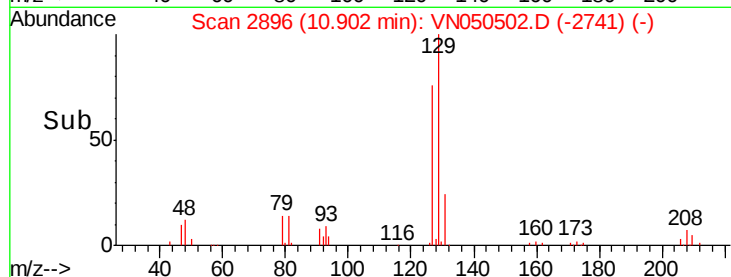
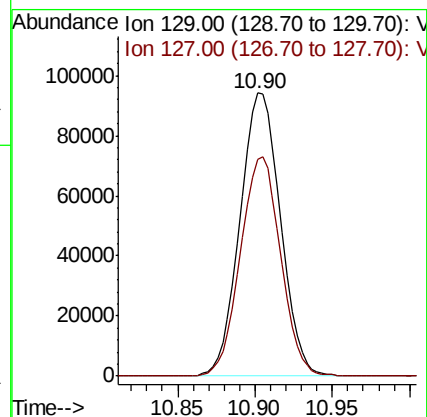
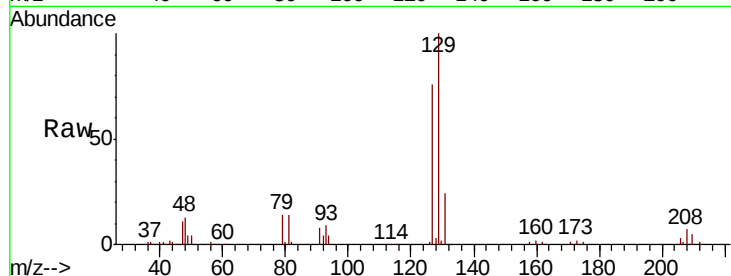
127 76.9 38.1 114.5

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MMDadoda

8/10/2018 10:53:12 AM



#54

1,2-Dibromoethane

Concen: 18.82 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050502.D

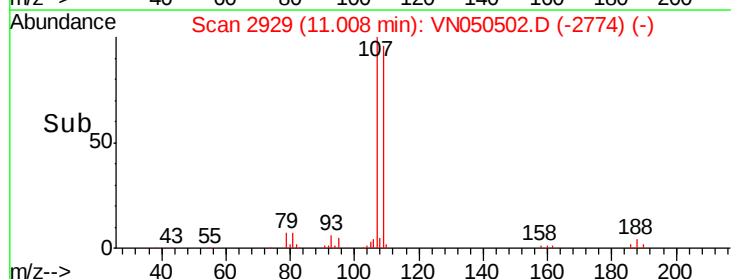
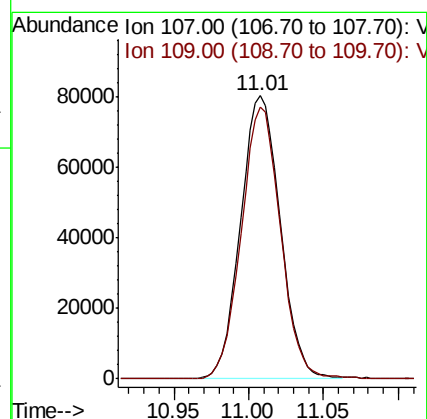
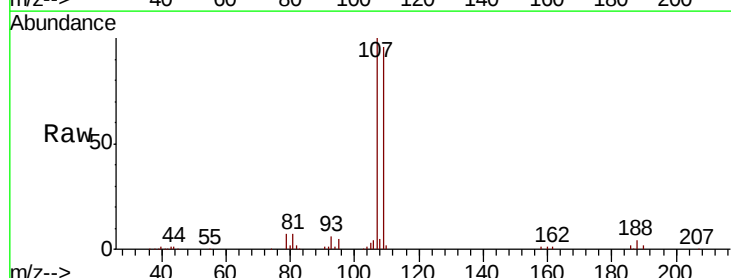
Acq: 9 Aug 2018 22:52

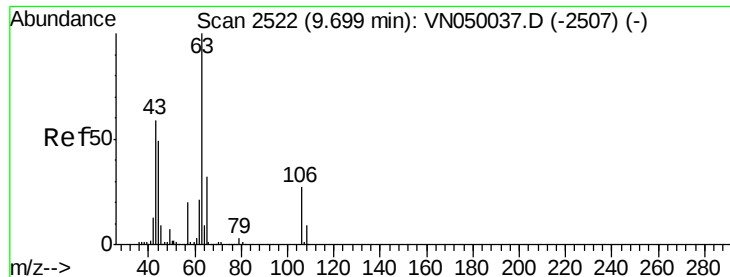
Tgt Ion:107 Resp: 148572

Ion Ratio Lower Upper

107 100

109 95.0 76.2 114.2





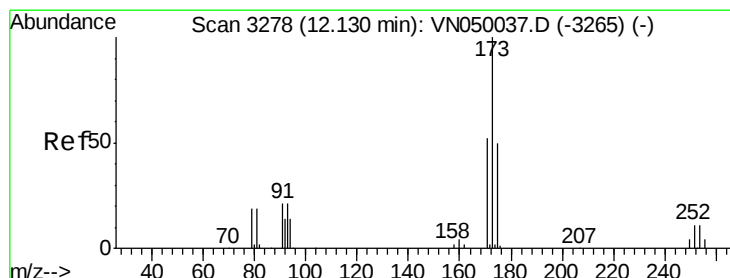
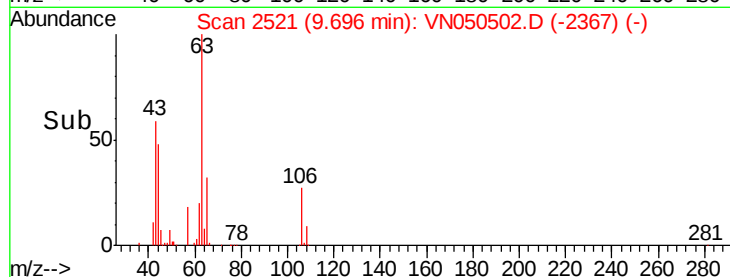
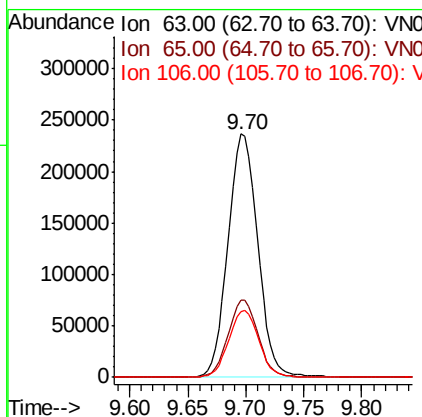
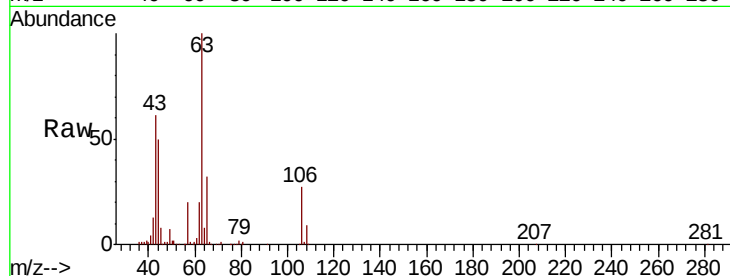
#55  
2-Chloroethyl vinyl ether  
Concen: 95.06 ug/l  
RT: 9.70 min Scan# 2521  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0809WBSD02

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 63    | Resp: | 420987 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 65       | 31.8  | 25.5  | 38.3   |
| 106      | 27.8  | 21.8  | 32.6   |

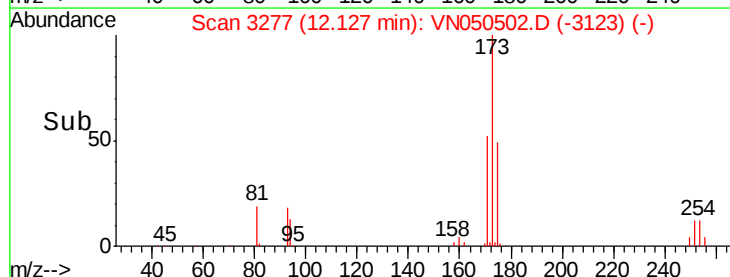
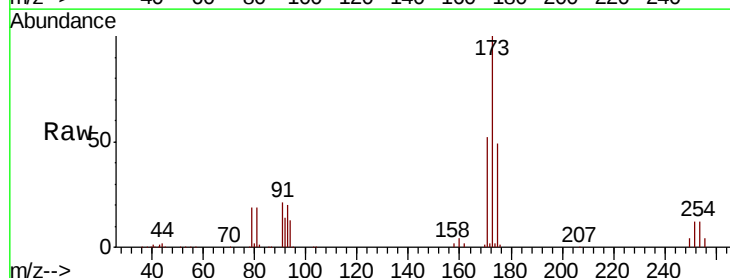
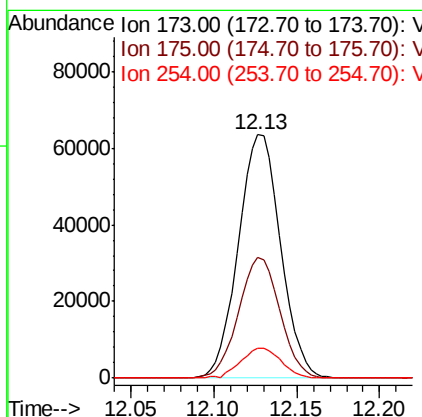
Manual Integrations  
APPROVED

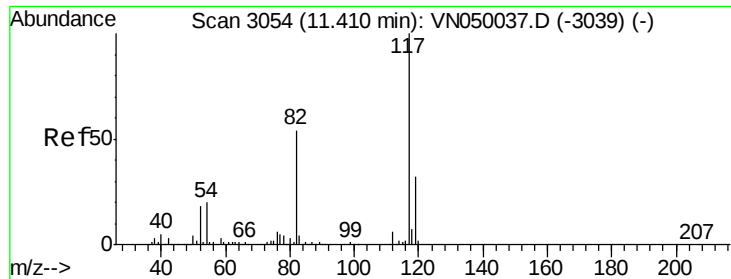
MMDadoda  
8/10/2018 10:53:12 AM



#56  
Bromoform  
Concen: 17.42 ug/l  
RT: 12.13 min Scan# 3277  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 173   | Resp: | 112530 |
| Ion      | Ratio | Lower | Upper  |
| 173      | 100   |       |        |
| 175      | 48.6  | 38.6  | 57.8   |
| 254      | 11.6  | 8.8   | 13.2   |





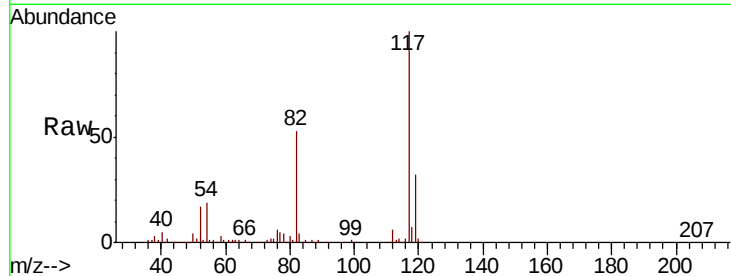
#57  
Chlorobenzene-d5  
Concen: 30.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0809WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.9  | 42.4  | 63.6  |
| 119     | 32.0  | 25.4  | 38.0  |

Manual Integrations  
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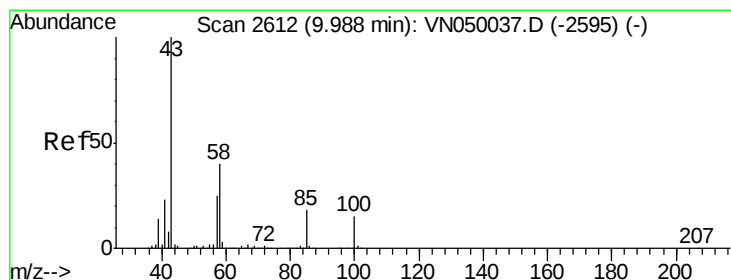
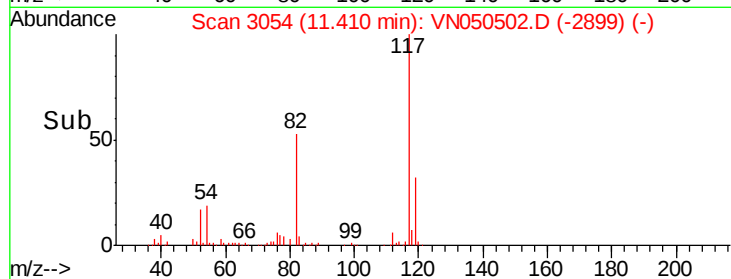
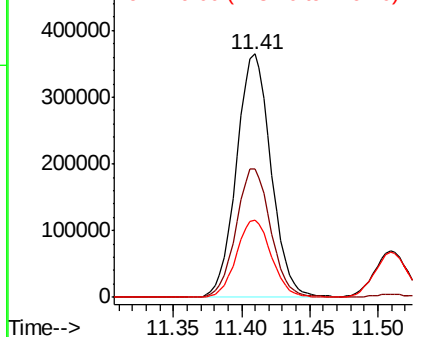


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58  
4-Methyl-2-Pentanone  
Concen: 114.12 ug/l  
RT: 9.99 min Scan# 2611  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

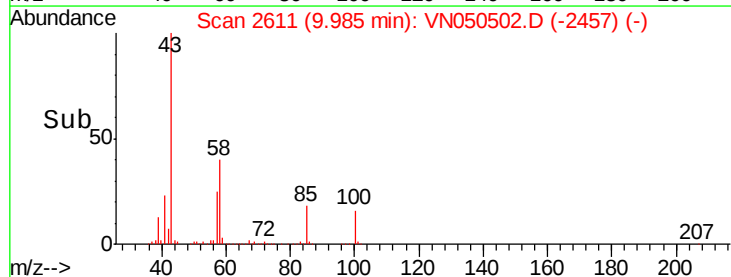
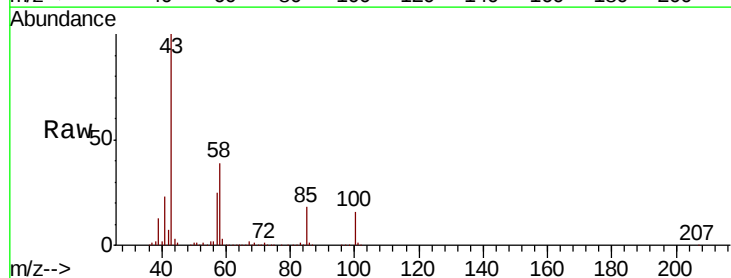
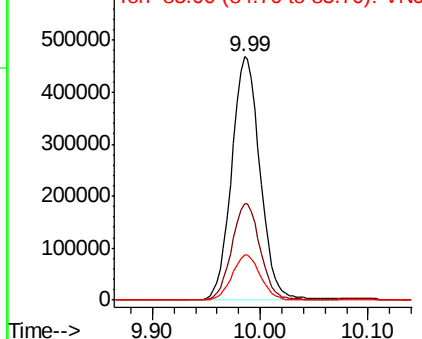
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 40.0  | 31.2  | 46.8  |
| 85      | 18.5  | 14.4  | 21.6  |

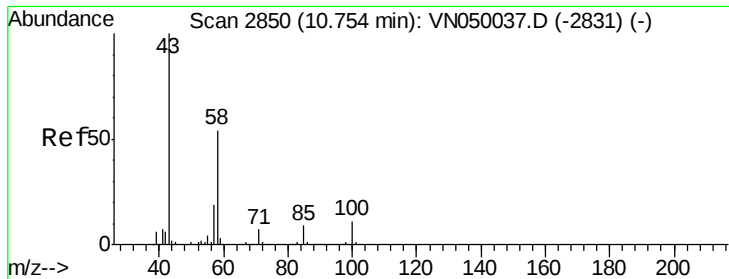
Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V





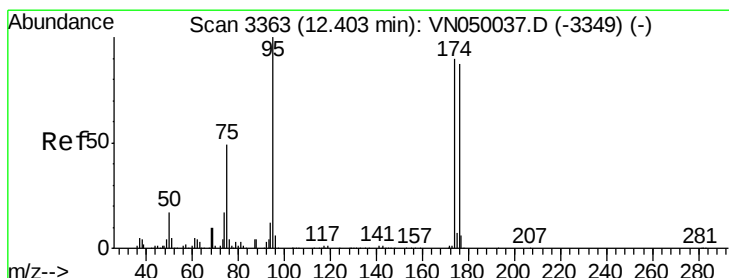
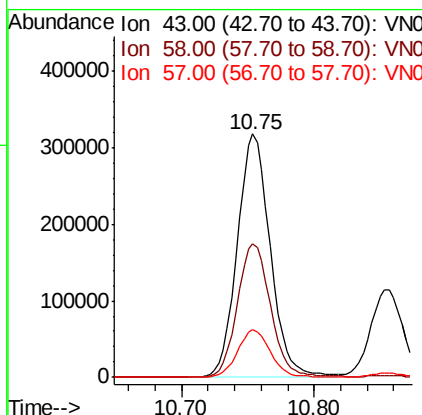
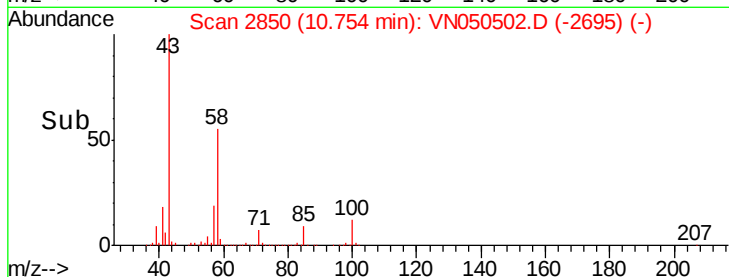
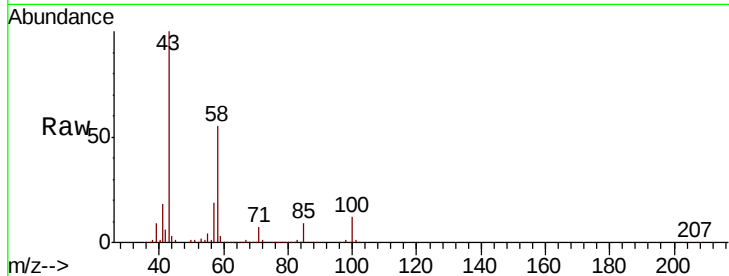
#59  
2-Hexanone  
Concen: 107.65 ug/l  
RT: 10.75 min Scan# 2850  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0809WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 55.5  | 43.8  | 65.8  |
| 57      | 19.5  | 15.1  | 22.7  |

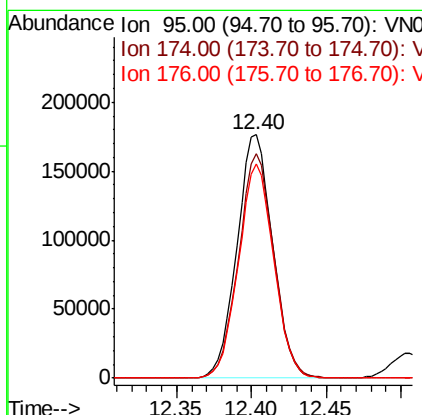
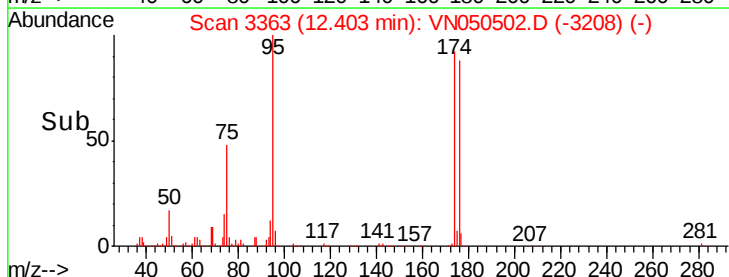
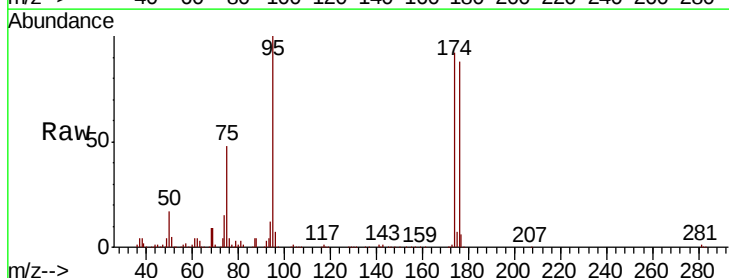
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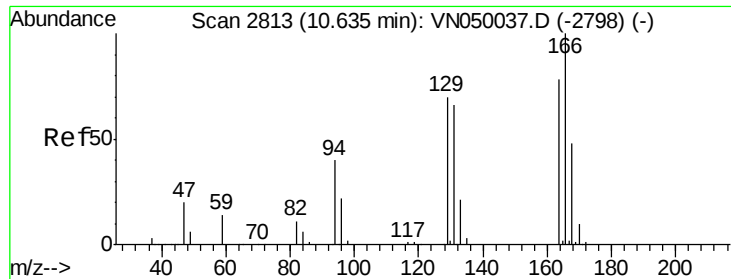
MMDadoda  
8/10/2018 10:53:12 AM



#60  
4-Bromofluorobenzene  
Concen: 29.66 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 91.3  | 72.3  | 108.5 |
| 176     | 86.8  | 70.0  | 105.0 |





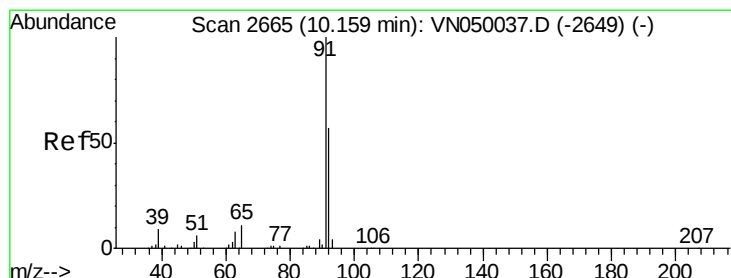
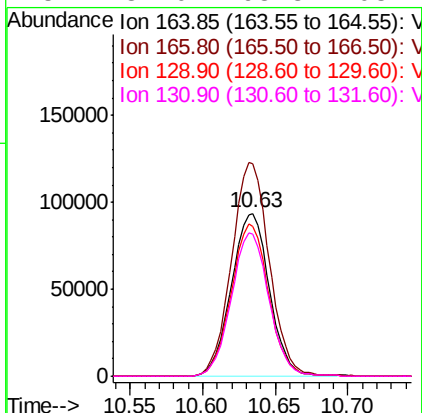
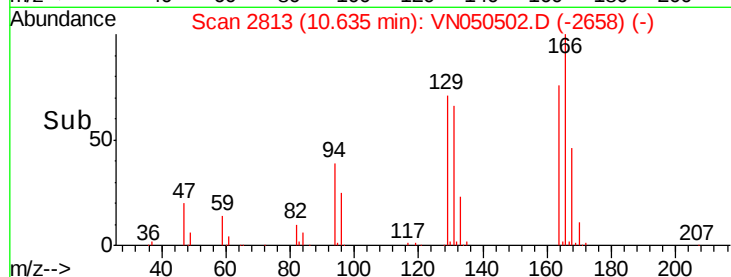
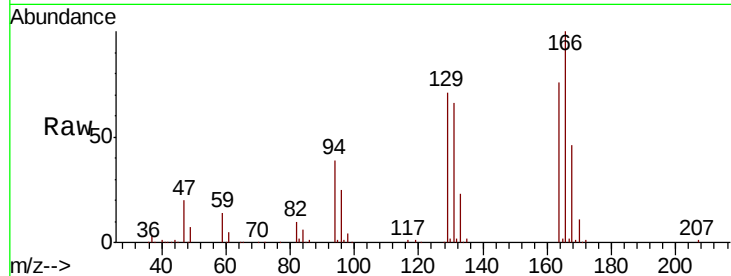
#61  
Tetrachloroethene  
Concen: 19.54 ug/l  
RT: 10.63 min Scan# 2813  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0809WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 130.8 | 100.0 | 150.0 |
| 129     | 92.4  | 69.3  | 103.9 |
| 131     | 87.0  | 68.8  | 103.2 |

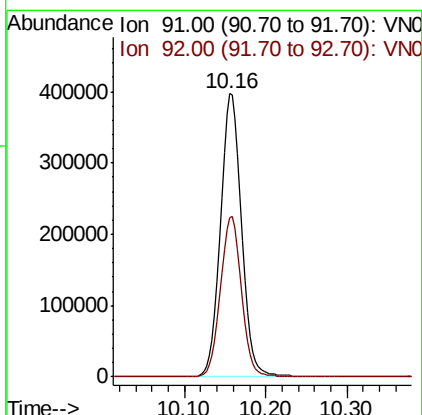
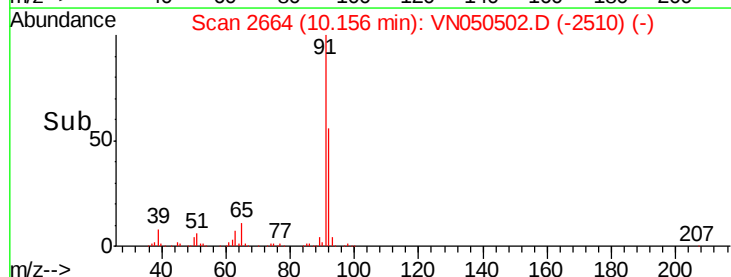
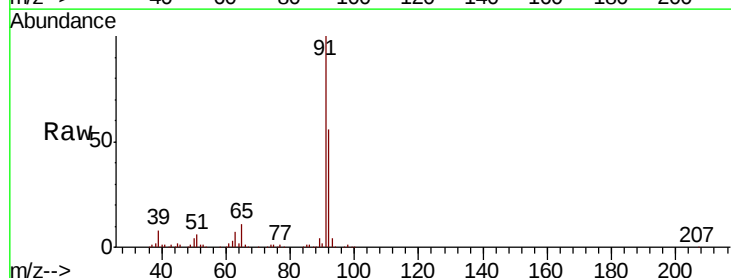
Manual Integrations  
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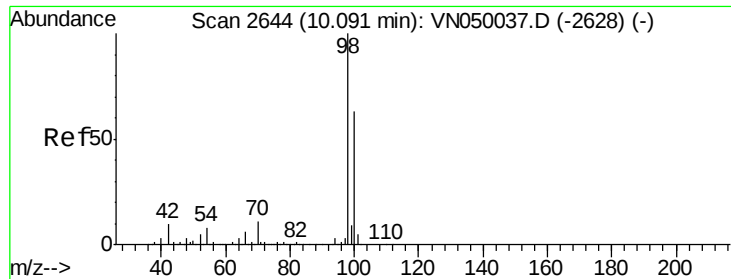
MMDadoda  
8/10/2018 10:53:12 AM



#62  
Toluene  
Concen: 19.88 ug/l  
RT: 10.16 min Scan# 2664  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 56.7  | 45.7  | 68.5  |





#63

Toluene-d8

Concen: 29.87 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA\_N

ClientSampleId :

VN0809WBSD02

Tot Ion: 98 Resp: 916791

Ion Ratio Lower Upper

98 100

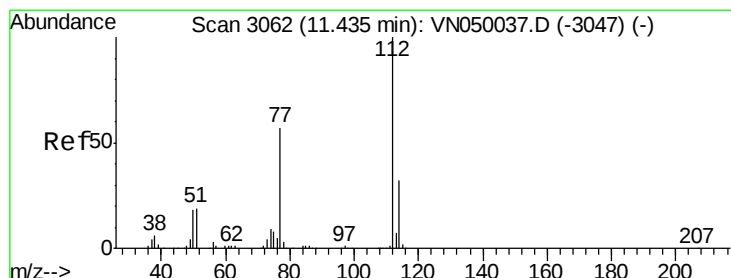
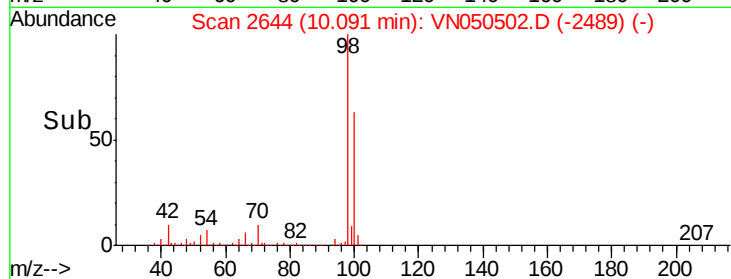
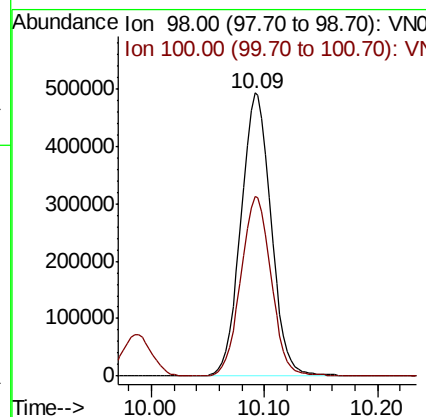
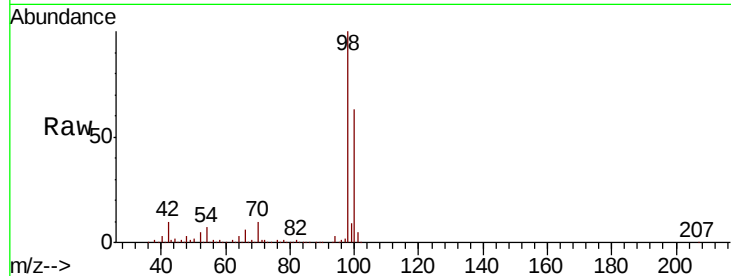
100 63.4 51.2 76.8

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#64

Chlorobenzene

Concen: 19.86 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050502.D

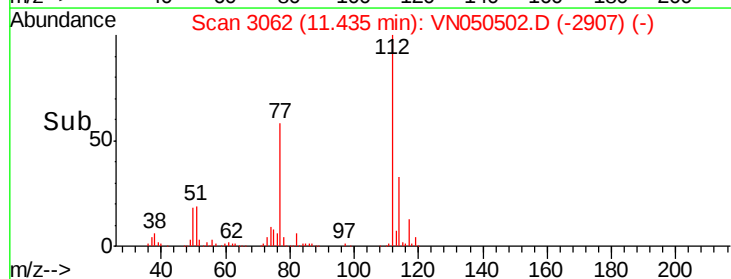
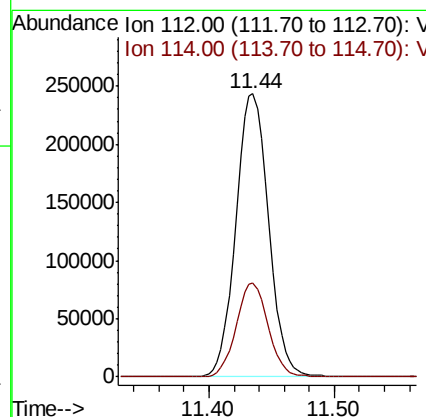
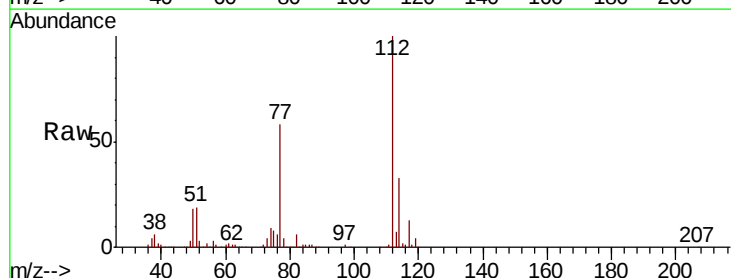
Acq: 9 Aug 2018 22:52

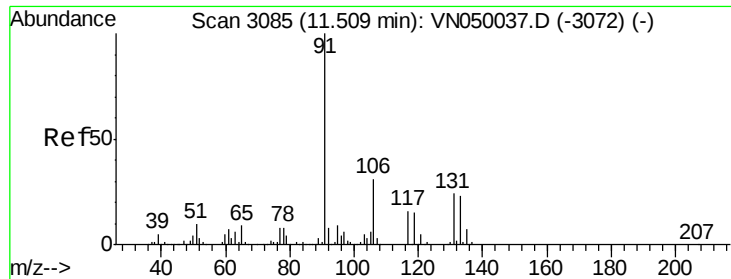
Tgt Ion: 112 Resp: 441524

Ion Ratio Lower Upper

112 100

114 33.1 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.50 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA\_N

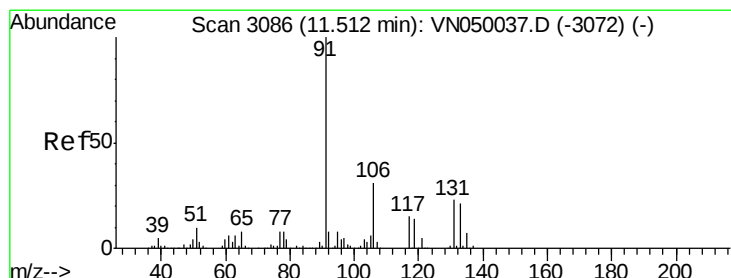
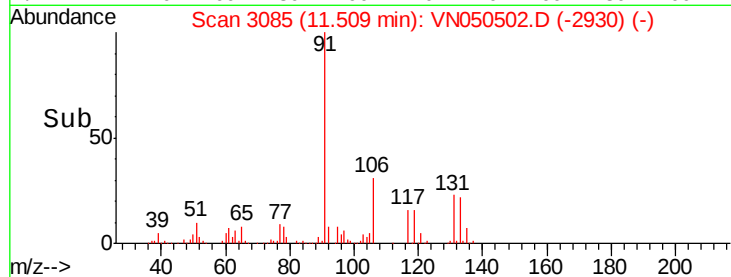
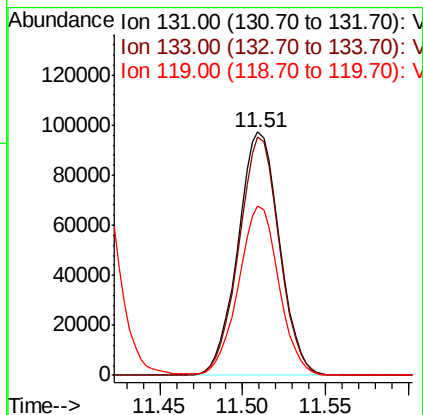
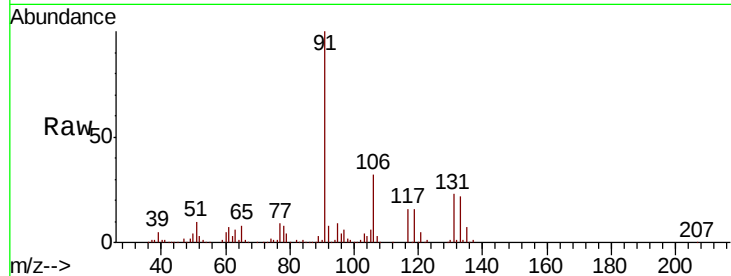
ClientSampleId :

VN0809WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 131   | Resp: | 169063 |
| Ion Ratio | Lower | Upper |        |
| 131       | 100   |       |        |
| 133       | 95.8  | 0.0   | 190.0  |
| 119       | 67.6  | 0.0   | 131.6  |

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#66

Ethyl Benzene

Concen: 19.51 ug/l

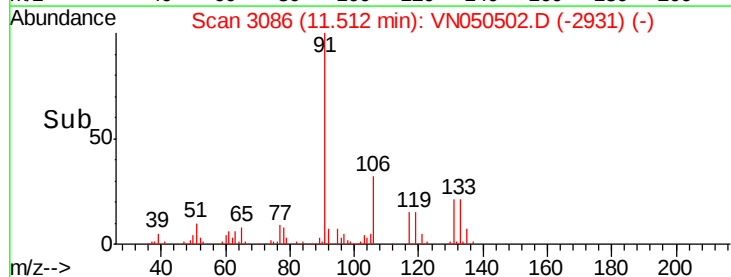
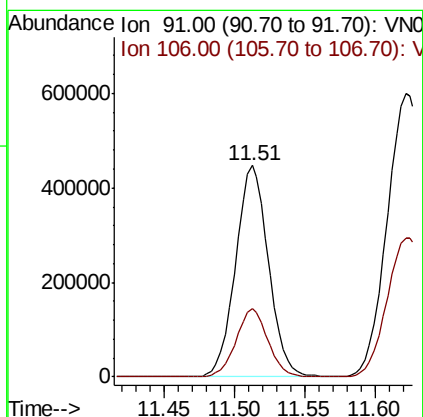
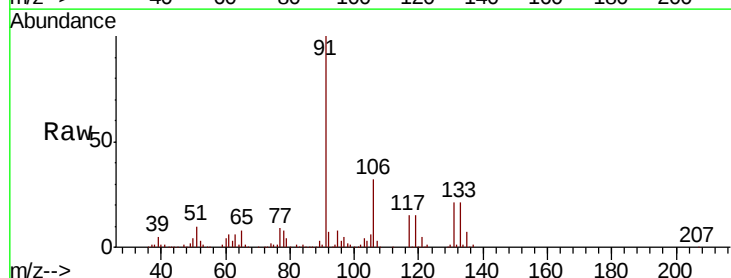
RT: 11.51 min Scan# 3086

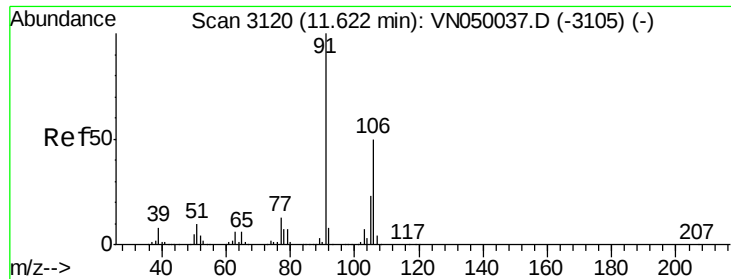
Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 731157 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 32.1  | 25.1  | 37.7   |





#67

m/p-Xvlenes

Concen: 39.90 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA\_N

ClientSampleId :

VN0809WBSD02

Tot Ion:106 Resp: 575297

Ion Ratio Lower Upper

106 100

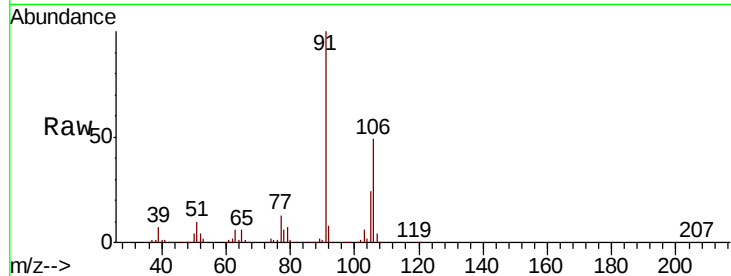
91 201.8 162.5 243.7

Manual Integrations

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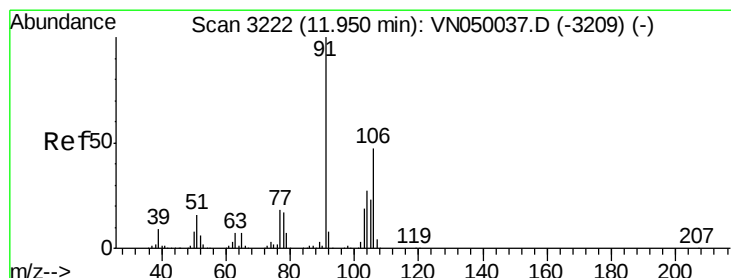
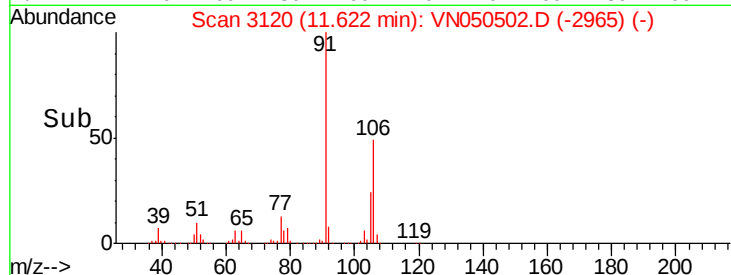
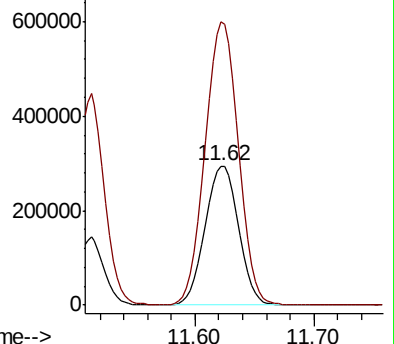
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.17 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN050502.D

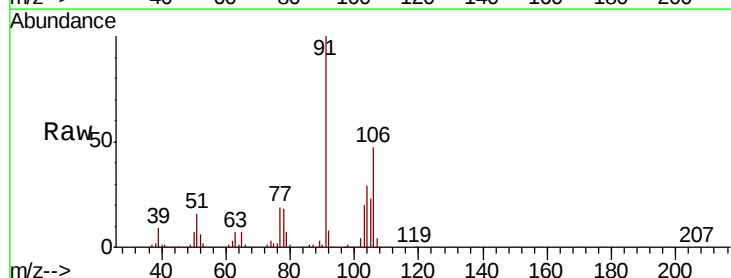
Acq: 9 Aug 2018 22:52

Tgt Ion:106 Resp: 276770

Ion Ratio Lower Upper

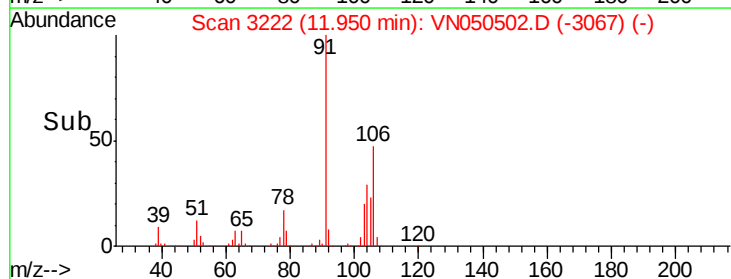
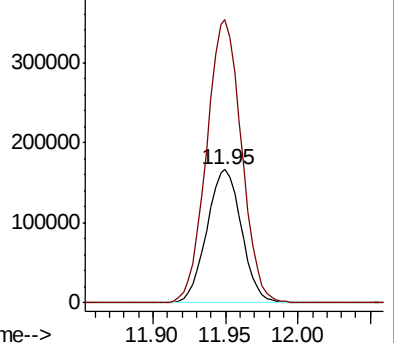
106 100

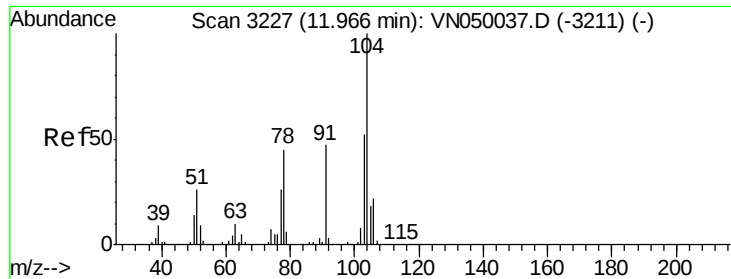
91 213.0 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





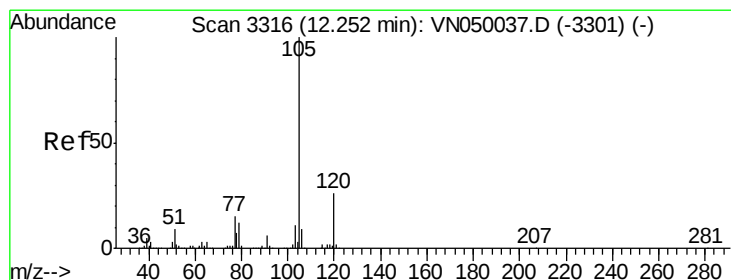
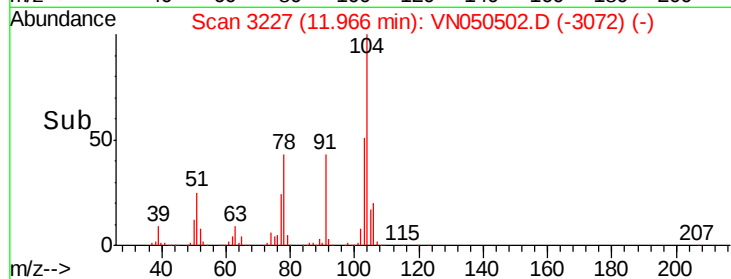
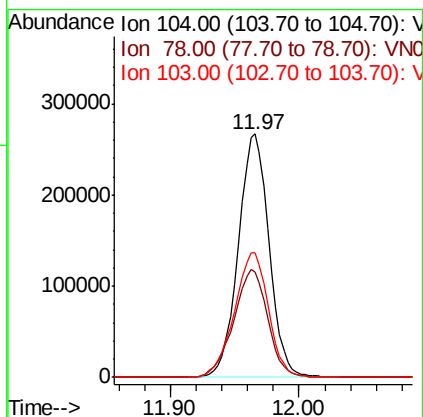
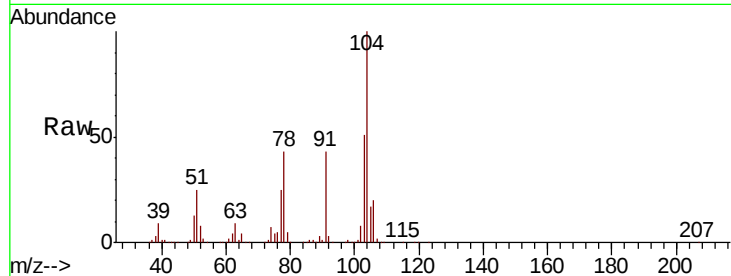
#69  
Stvrene  
Concen: 20.13 ug/l  
RT: 11.97 min Scan# 3227  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0809WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 49.0  | 39.3  | 58.9  |
| 103     | 56.6  | 44.5  | 66.7  |

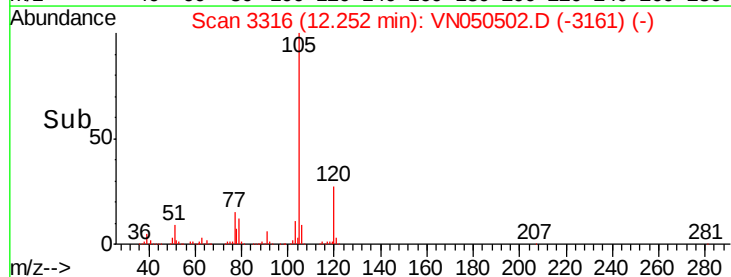
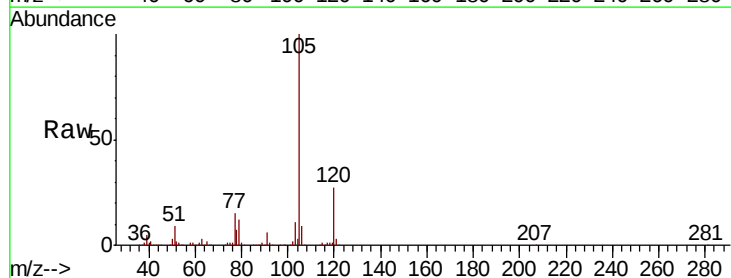
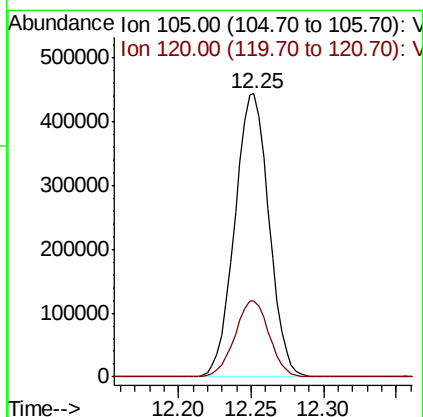
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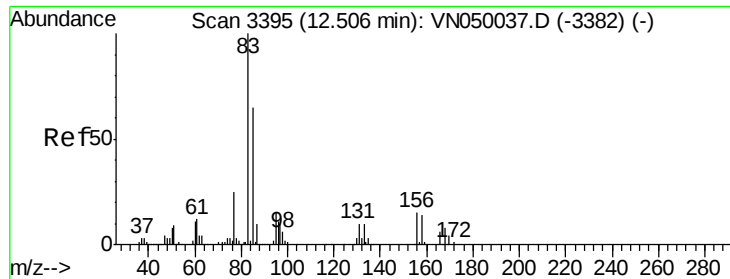
MMDadoda  
8/10/2018 10:53:12 AM



#70  
Isopropylbenzene  
Concen: 19.95 ug/l  
RT: 12.25 min Scan# 3316  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.8  | 18.9  | 35.1  |





#71

1,1,2,2-Tetrachloroethane

Concen: 19.06 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA\_N

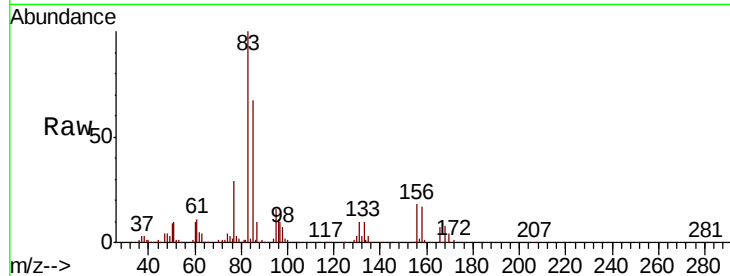
ClientSampleId :

VN0809WBSD02

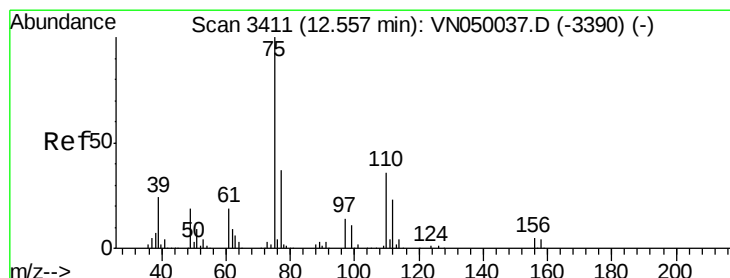
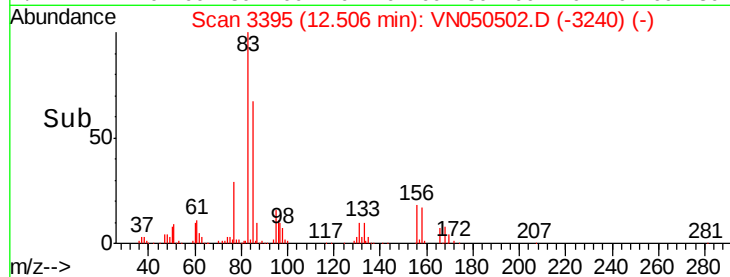
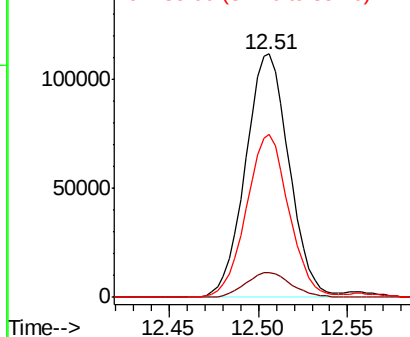
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 191215 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.5  | 5.2   | 15.6   |
| 85        | 65.1  | 31.7  | 95.1   |

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Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 131.00 (130.70 to 131.70): V  
Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 17.77 ug/l m

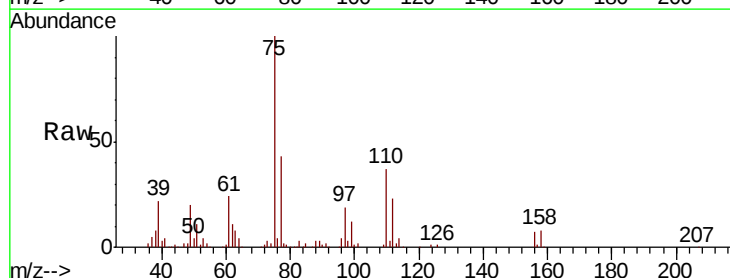
RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

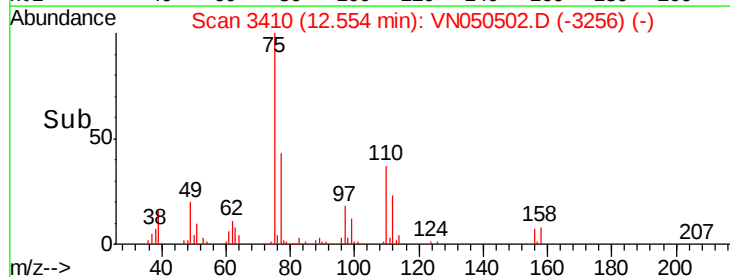
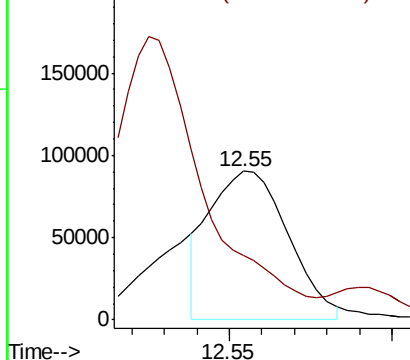
Lab File: VN050502.D

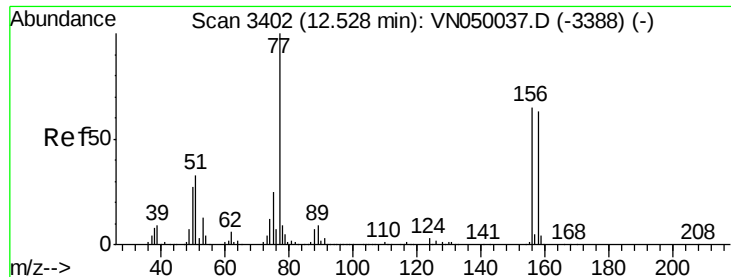
Acq: 9 Aug 2018 22:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 152274 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 225.3 | 0.0   | 454.4  |



Abundance Ion 75.00 (74.70 to 75.70): VN0  
Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 19.56 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA\_N

ClientSampleId :

VN0809WBSD02

Tot Ion:156 Resp: 190338

Ion Ratio Lower Upper

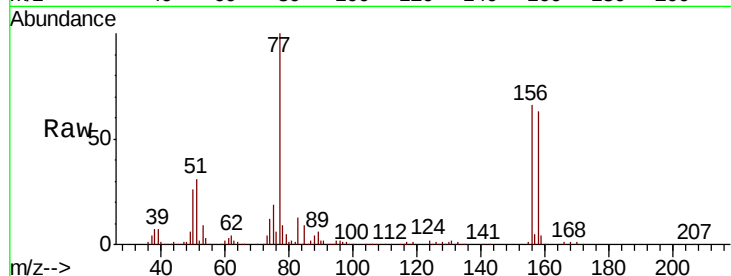
156 100

77 180.2 0.0 359.8

158 97.6 0.0 192.8

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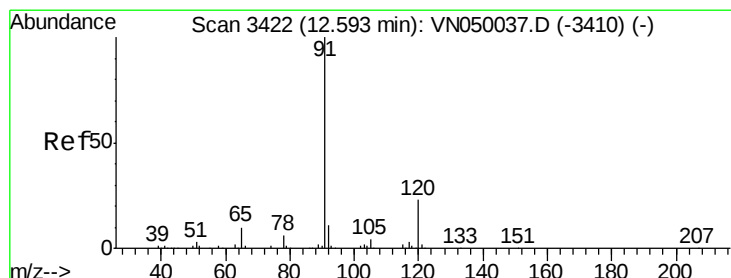
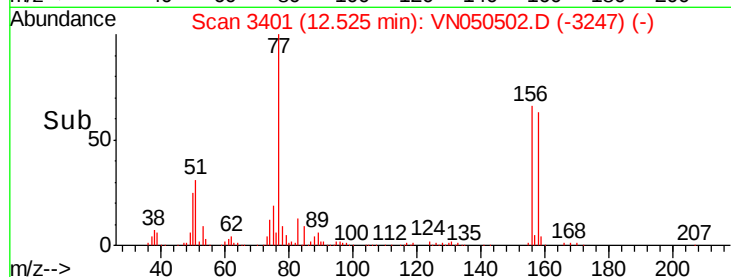
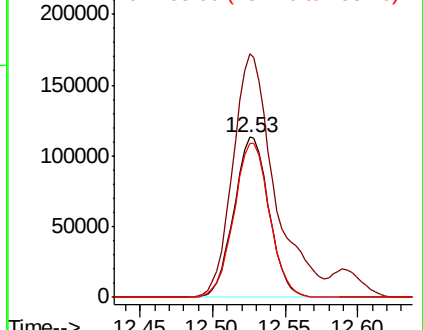
MMDadoda  
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.03 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050502.D

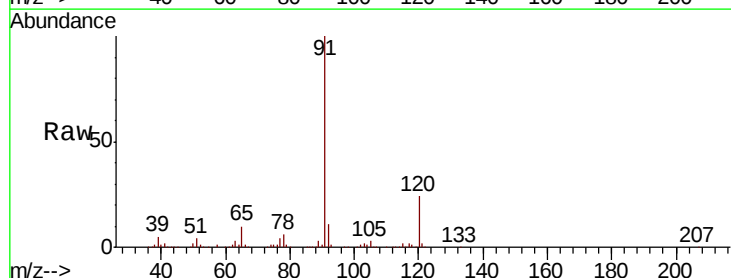
Acq: 9 Aug 2018 22:52

Tgt Ion: 91 Resp: 809798

Ion Ratio Lower Upper

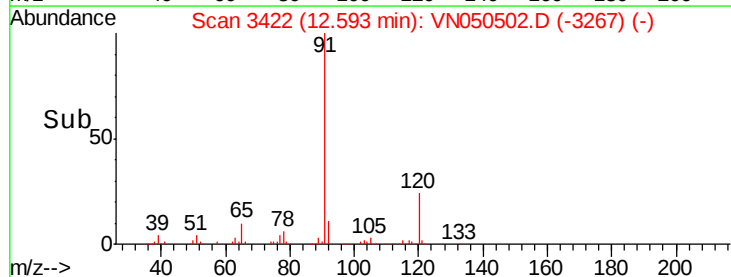
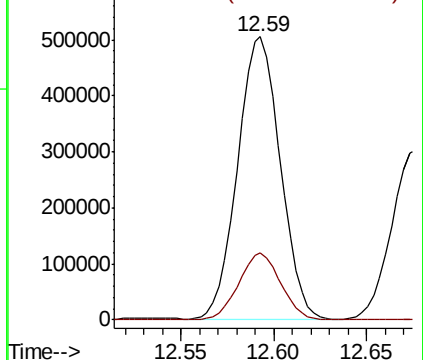
91 100

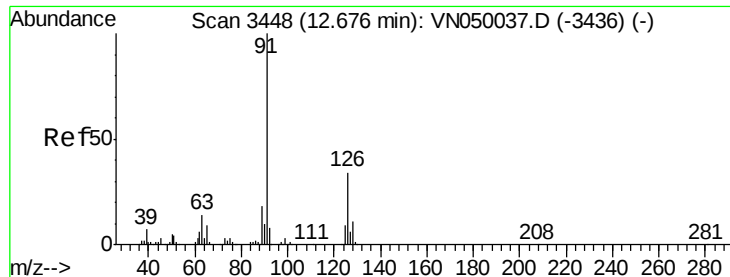
120 23.1 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.81 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA\_N

ClientSampleId :

VN0809WBSD02

Tot Ion: 91 Resp: 506283

Ion Ratio Lower Upper

91 100

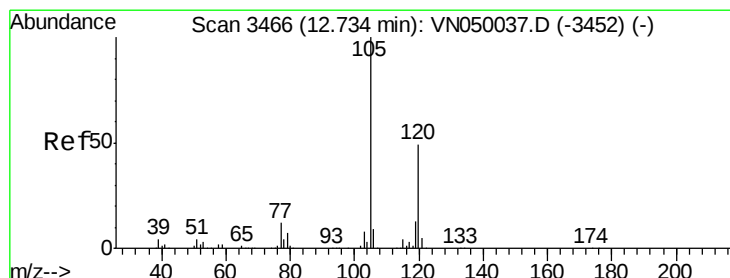
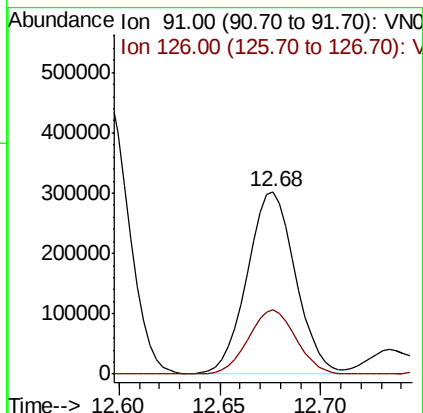
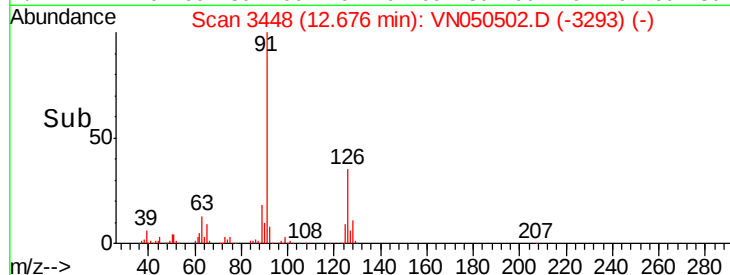
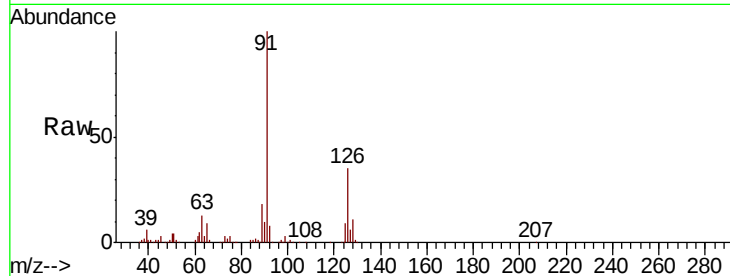
126 35.0 0.0 68.6

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#76

1,3,5-Trimethylbenzene

Concen: 20.01 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050502.D

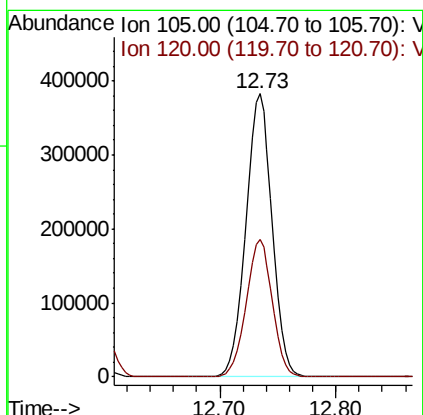
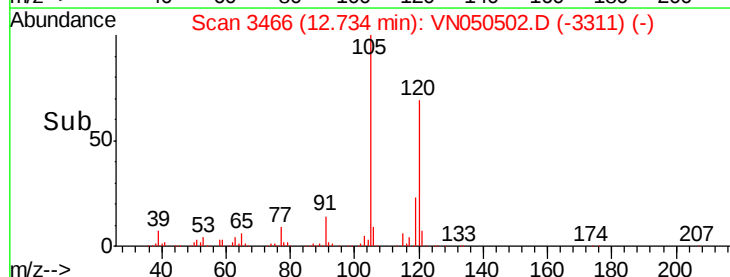
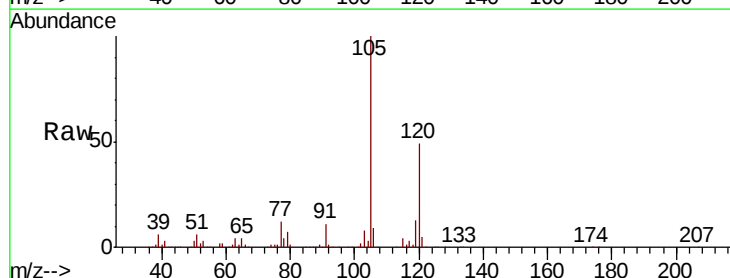
Acq: 9 Aug 2018 22:52

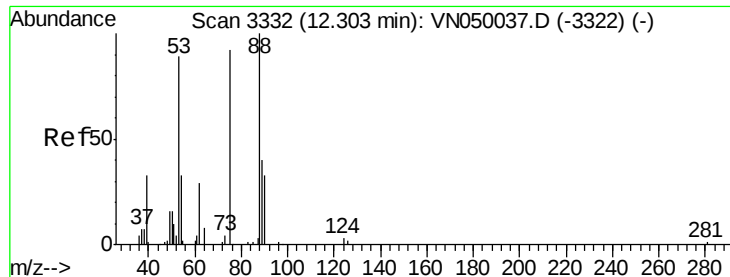
Tgt Ion: 105 Resp: 600482

Ion Ratio Lower Upper

105 100

120 48.5 0.0 98.0





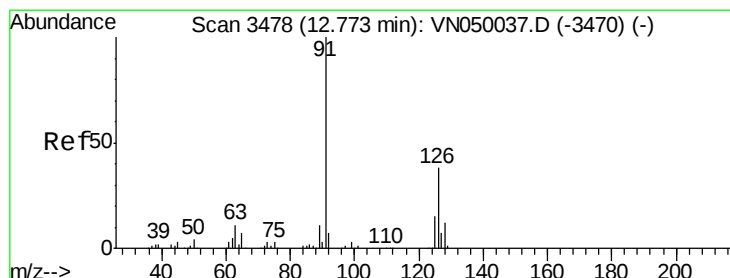
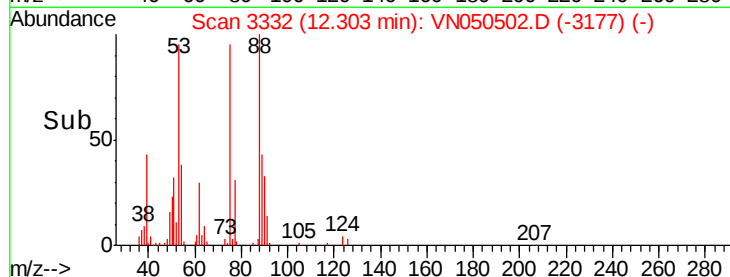
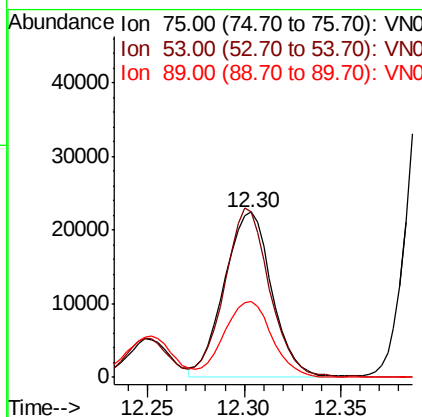
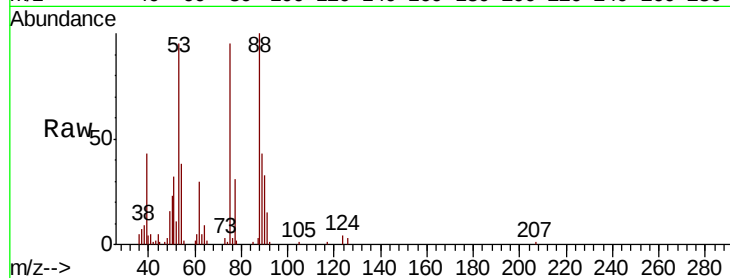
#77  
t-1,4-Dichloro-2-butene  
Concen: 13.73 ug/l  
RT: 12.30 min Scan# 3332  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0809WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 100.8 | 44.6  | 134.0 |
| 89      | 46.1  | 20.7  | 62.1  |

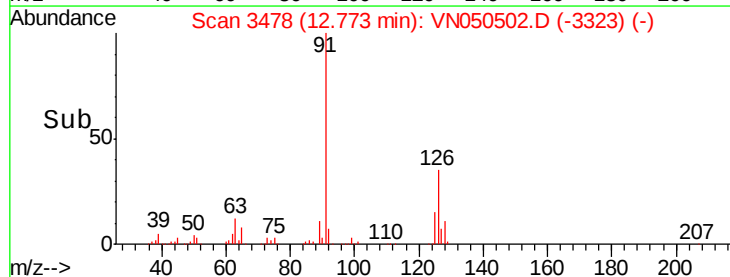
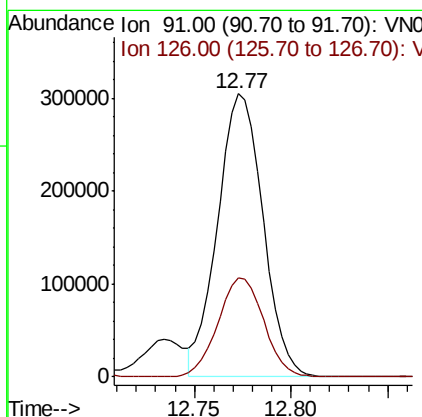
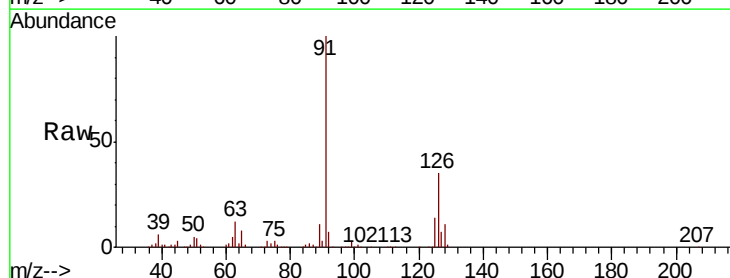
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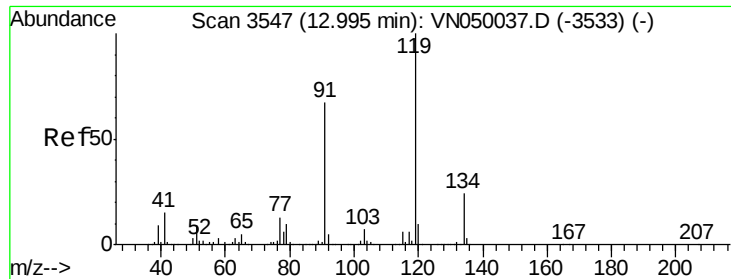
MMDadoda  
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#78  
4-Chlorotoluene  
Concen: 19.62 ug/l  
RT: 12.77 min Scan# 3478  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.4  | 0.0   | 68.4  |





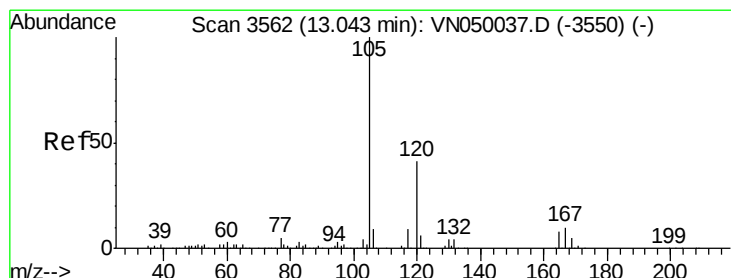
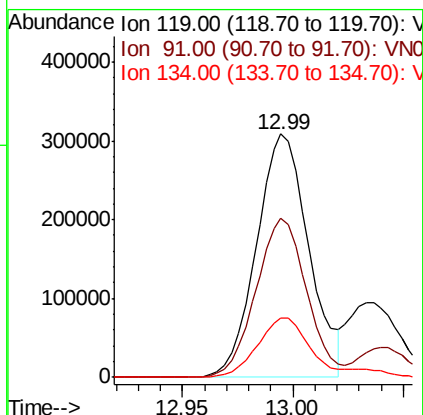
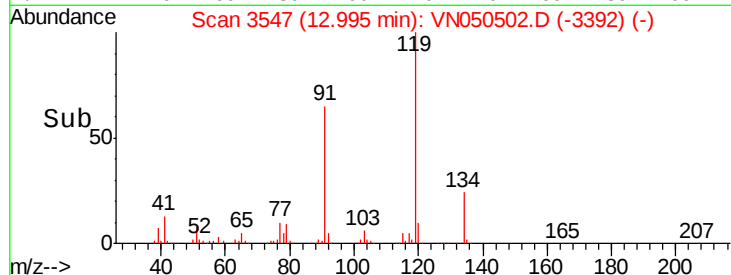
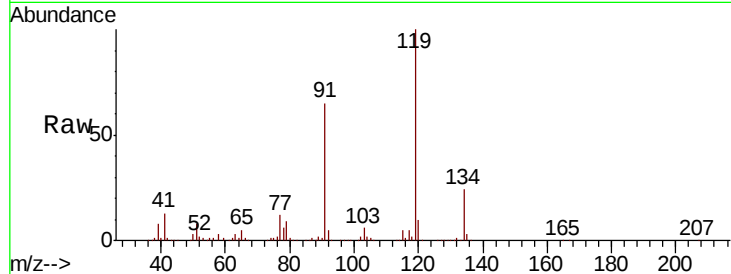
#79  
tert-butylbenzene  
Concen: 19.74 ug/l  
RT: 12.99 min Scan# 3547  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0809WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 506488 |       |       |
| 91      | 63.6  |        | 0.0   | 126.8 |
| 134     | 24.3  |        | 0.0   | 47.4  |

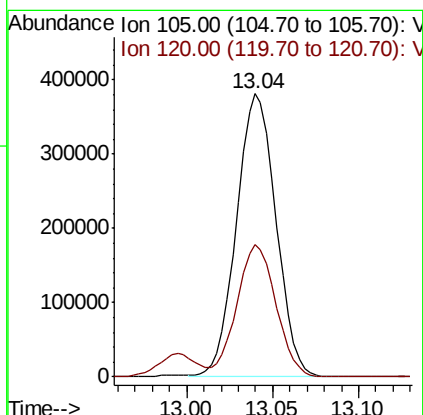
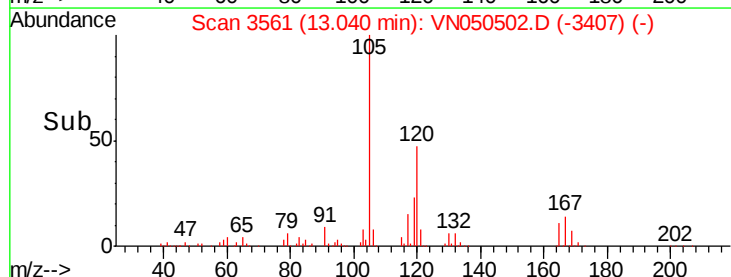
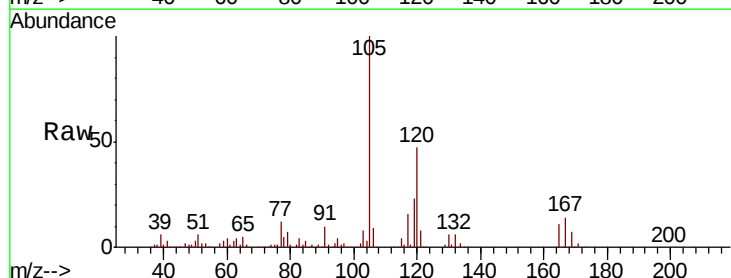
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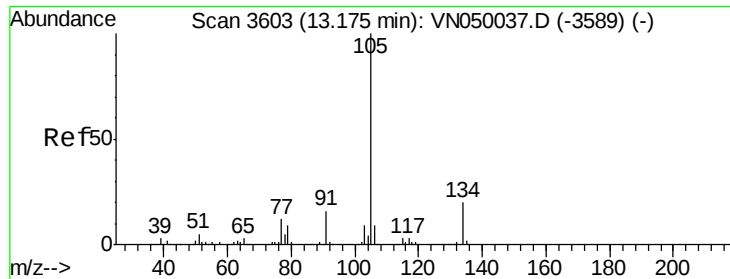
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#80  
1,2,4-Trimethylbenzene  
Concen: 19.91 ug/l  
RT: 13.04 min Scan# 3561  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 605343 |       |       |
| 120     | 46.5  |        | 0.0   | 90.6  |





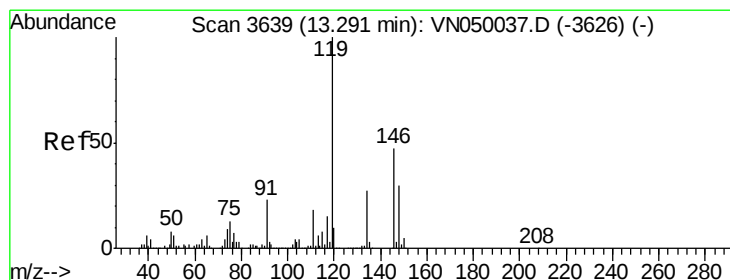
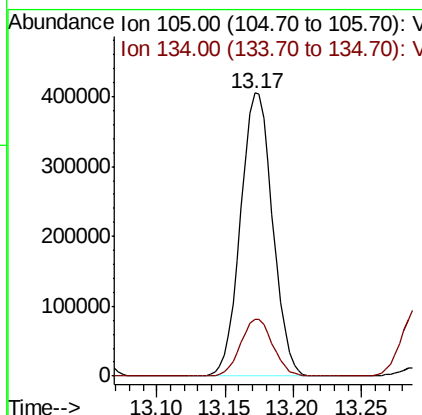
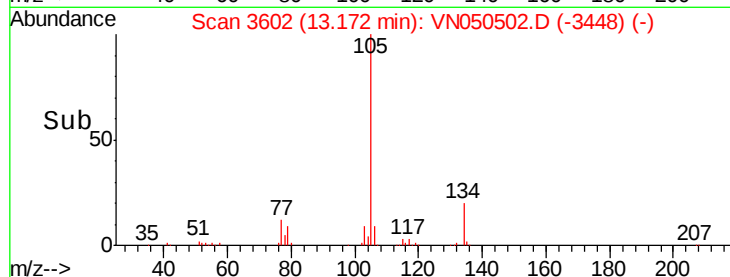
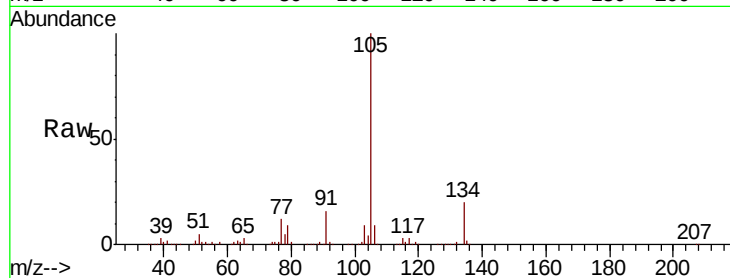
#81  
 sec-Butylbenzene  
 Concen: 18.92 ug/l  
 RT: 13.17 min Scan# 3602  
 Delta R.T. -0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0809WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 659404 |       |       |
| 134     | 20.2  | 0.0    | 40.6  |       |

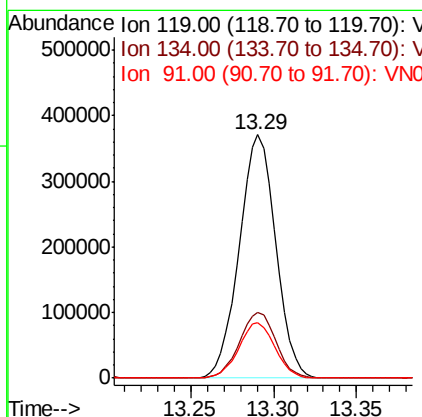
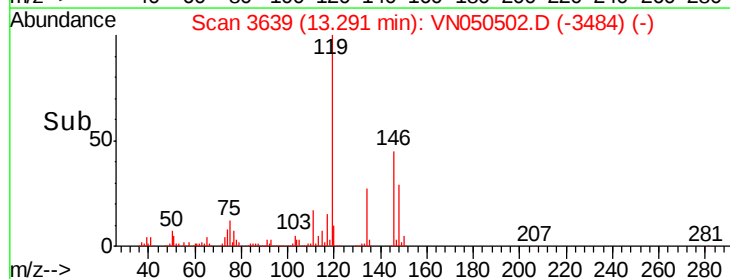
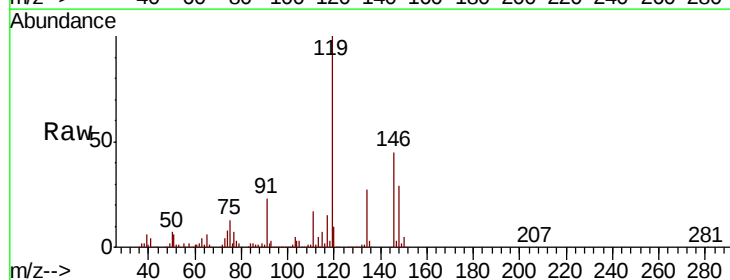
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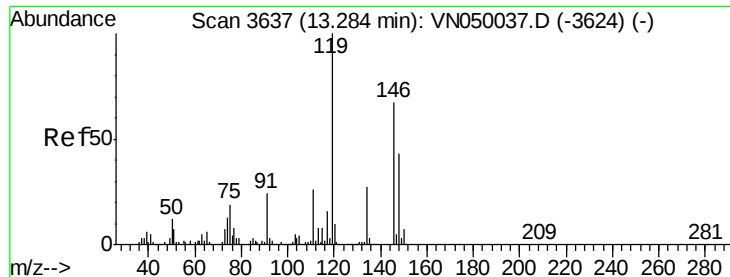
MMDadoda  
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#82  
 p-Isopropyltoluene  
 Concen: 19.00 ug/l  
 RT: 13.29 min Scan# 3639  
 Delta R.T. -0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 565147 |       |       |
| 134     | 26.9  | 0.0    | 52.2  |       |
| 91      | 22.7  | 0.0    | 45.6  |       |





#83

1,3-Dichlorobenzene

Concen: 19.46 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

Instrument :

MSVOA\_N

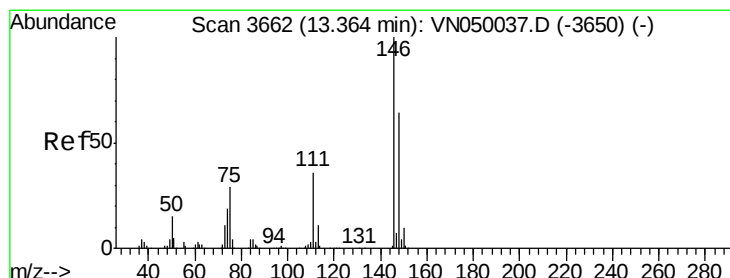
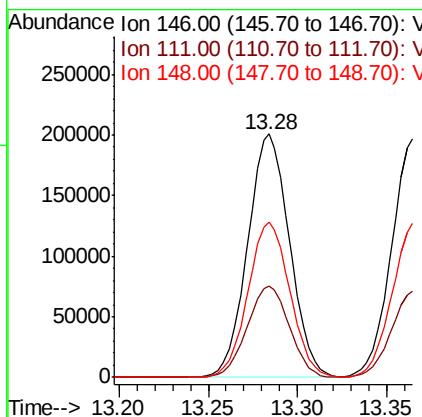
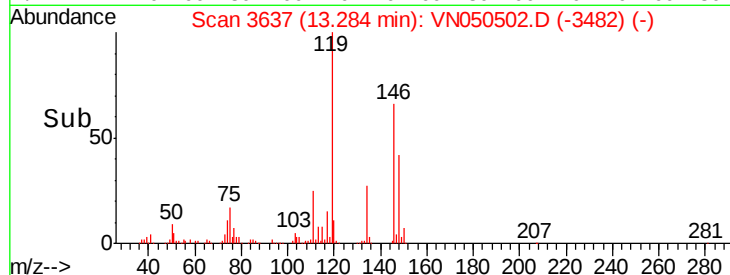
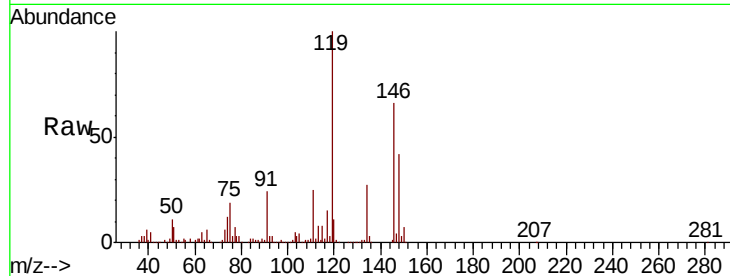
ClientSampleId :

VN0809WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 329800 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 37.7  | 19.1  | 57.1   |
| 148       | 64.0  | 31.9  | 95.9   |

Manual Integrations  
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8/10/2018 10:53:12 AM



#84

1,4-Dichlorobenzene

Concen: 19.72 ug/l

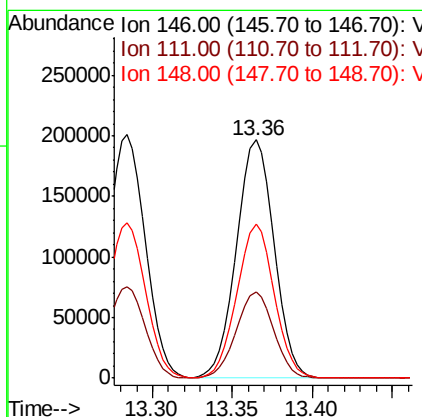
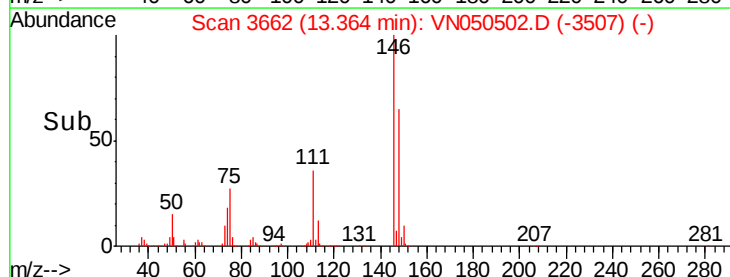
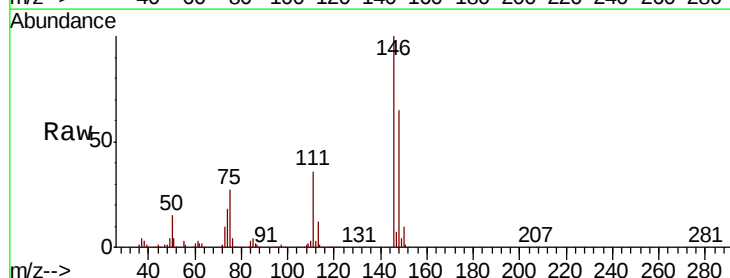
RT: 13.36 min Scan# 3662

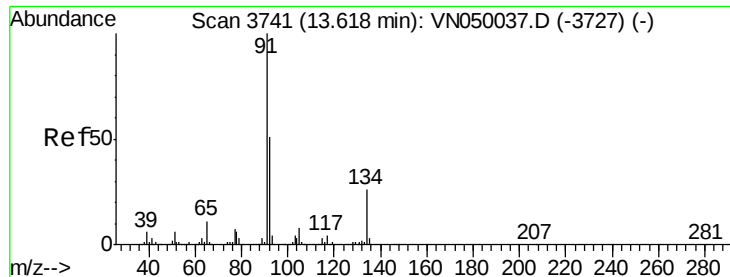
Delta R.T. -0.00 min

Lab File: VN050502.D

Acq: 9 Aug 2018 22:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 315874 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 35.8  | 17.9  | 53.8   |
| 148       | 64.0  | 32.4  | 97.0   |





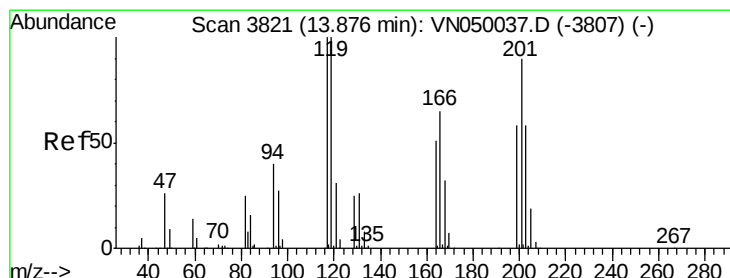
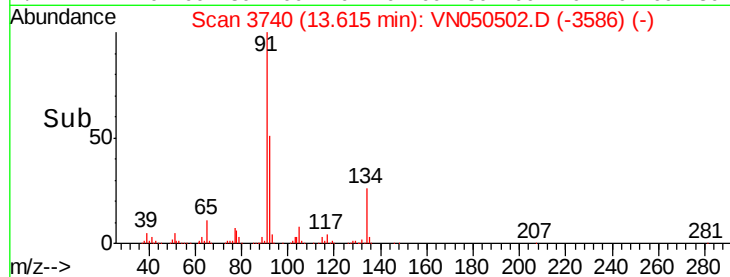
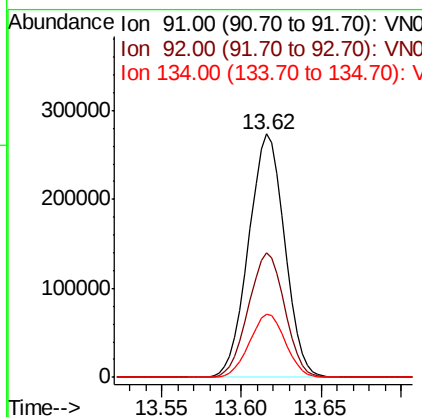
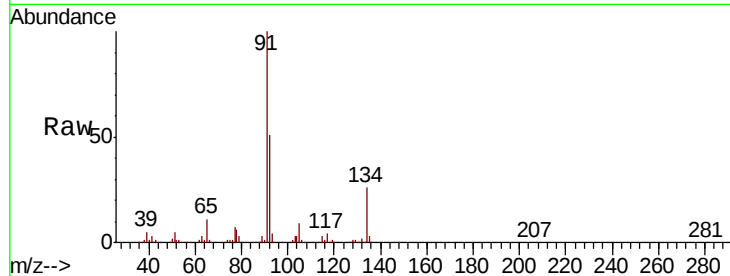
#85  
n-Butylbenzene  
Concen: 17.49 ug/l  
RT: 13.62 min Scan# 3740  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0809WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 422166 |       |       |
| 92      | 51.6  | 0.0    | 102.8 |       |
| 134     | 25.9  | 0.0    | 51.0  |       |

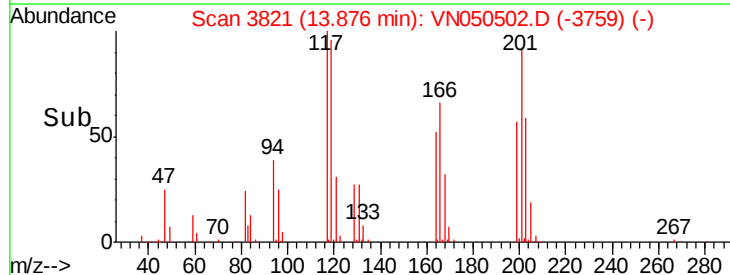
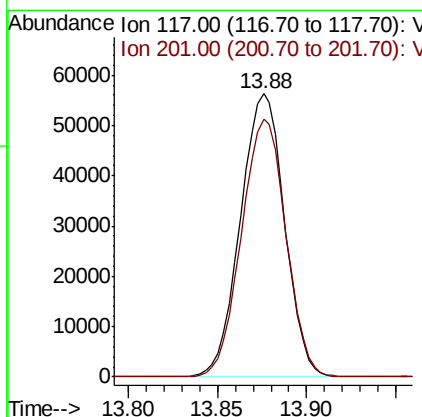
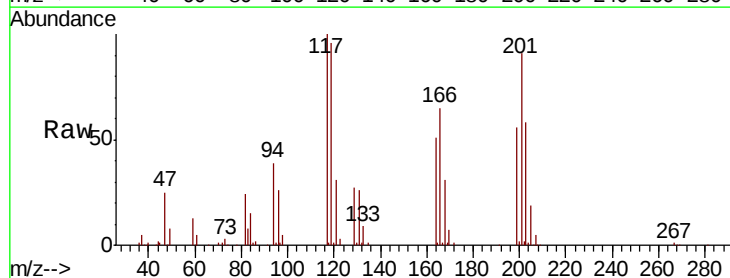
Manual Integrations  
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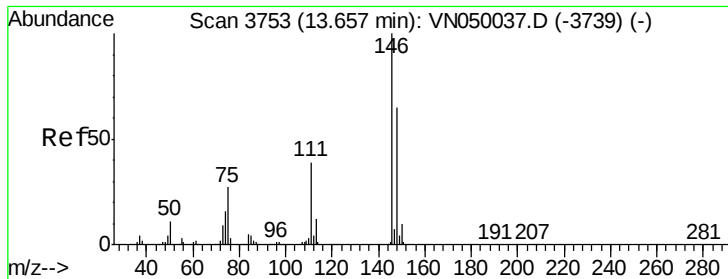
MMDadoda  
8/10/2018 10:53:12 AM



#86  
Hexachloroethane  
Concen: 16.33 ug/l  
RT: 13.88 min Scan# 3821  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 97028 |       |       |
| 201     | 91.7  | 46.6  | 139.7 |       |





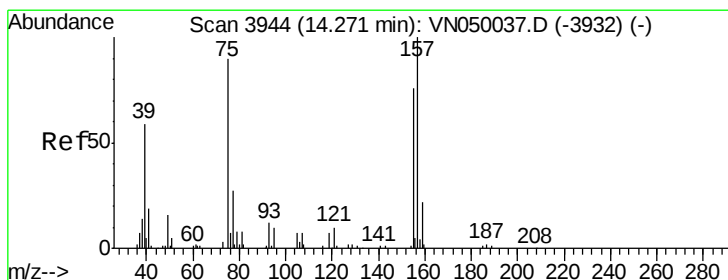
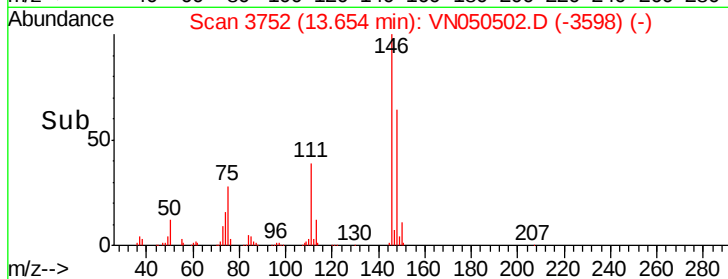
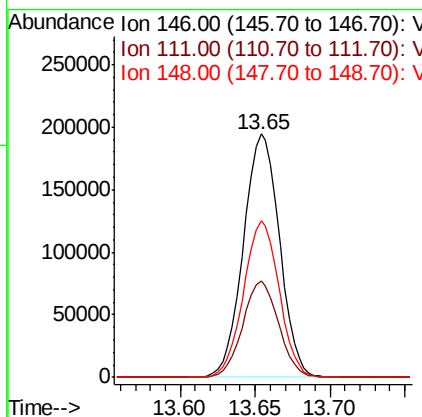
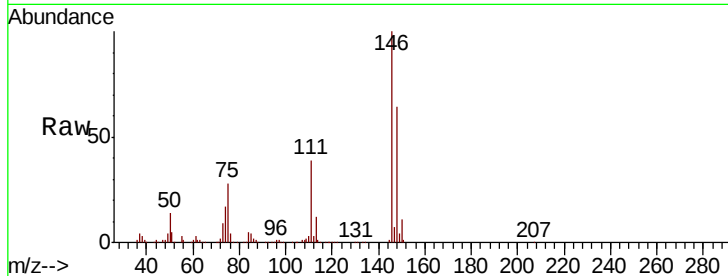
#87  
 1,2-Dichlorobenzene  
 Concen: 19.77 ug/l  
 RT: 13.65 min Scan# 3752  
 Delta R.T. -0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0809WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.2  | 19.8  | 59.3  |
| 148     | 63.5  | 31.8  | 95.3  |

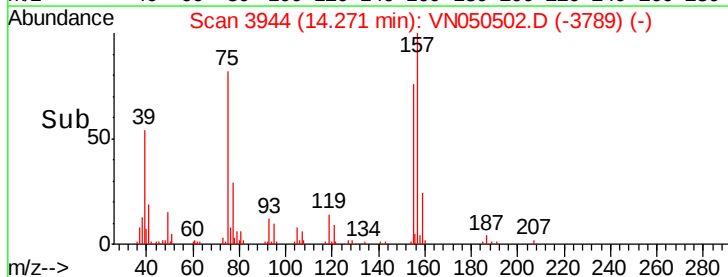
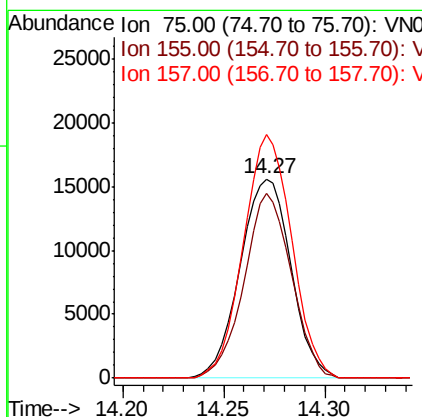
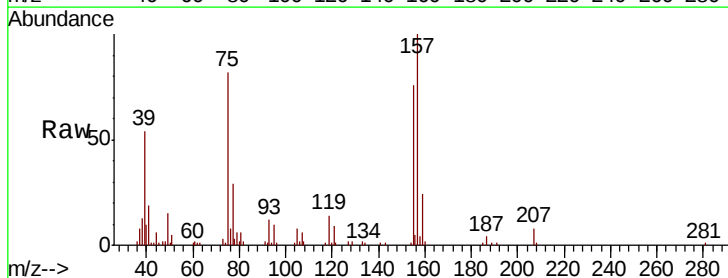
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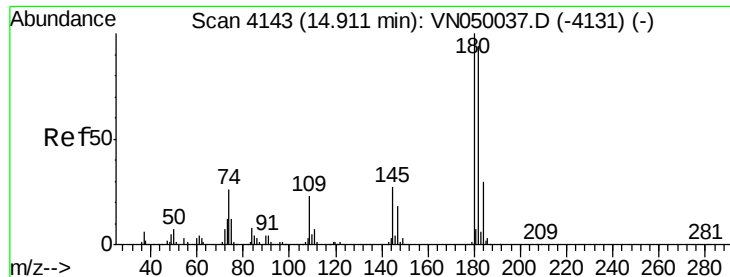
MMDadoda  
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#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 17.63 ug/l  
 RT: 14.27 min Scan# 3944  
 Delta R.T. -0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 86.1  | 73.0  | 109.6 |
| 157     | 116.1 | 94.9  | 142.3 |





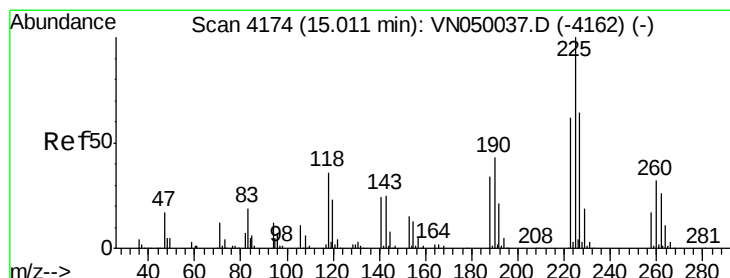
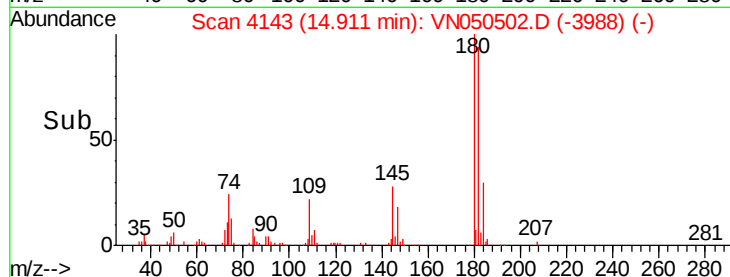
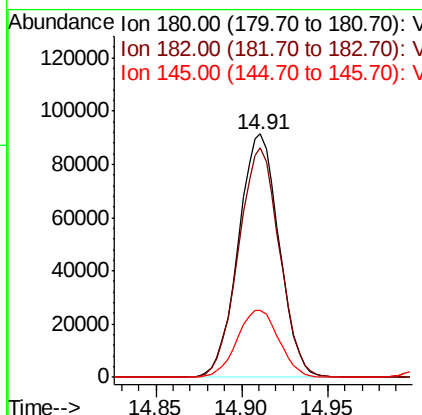
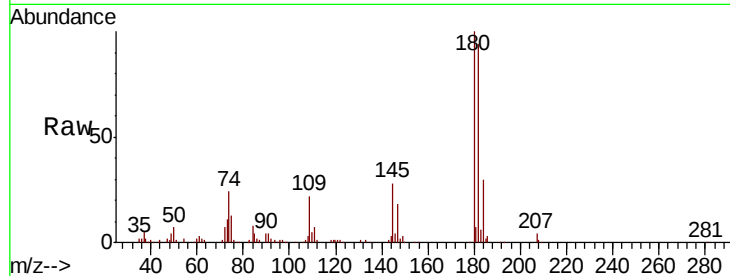
#89  
 1,2,4-Trichlorobenzene  
 Concen: 19.03 ug/l  
 RT: 14.91 min Scan# 4143  
 Delta R.T. -0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0809WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 150563 |       |       |
| 182     | 95.1  | 76.7   | 115.1 |       |
| 145     | 28.5  | 23.4   | 35.0  |       |

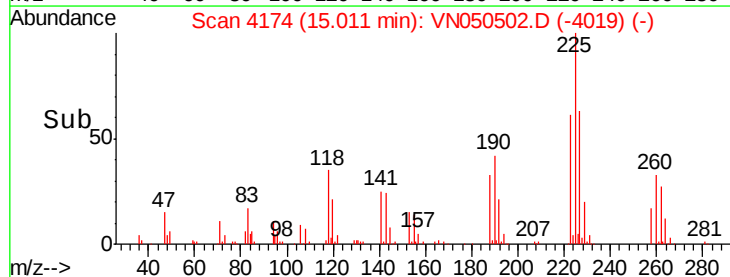
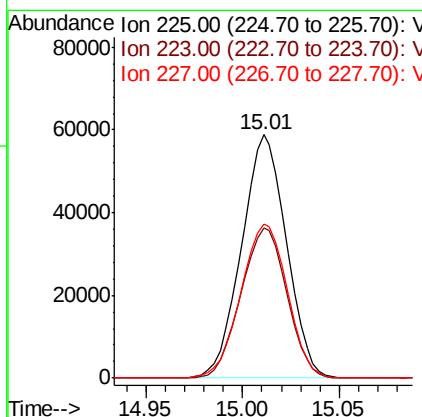
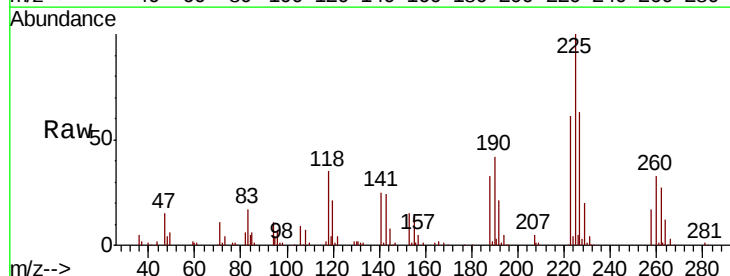
Manual Integrations  
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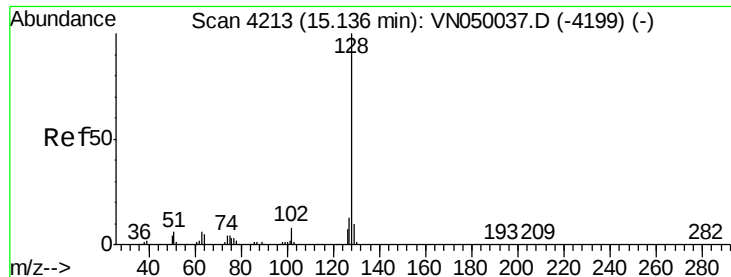
MMDadoda  
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#90  
 Hexachlorobutadiene  
 Concen: 18.19 ug/l  
 RT: 15.01 min Scan# 4174  
 Delta R.T. -0.00 min  
 Lab File: VN050502.D  
 Acq: 9 Aug 2018 22:52

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 94915 |       |       |
| 223     | 63.2  | 0.0   | 124.4 |       |
| 227     | 65.4  | 0.0   | 133.0 |       |





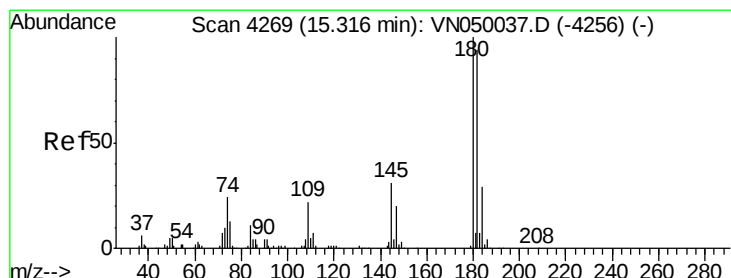
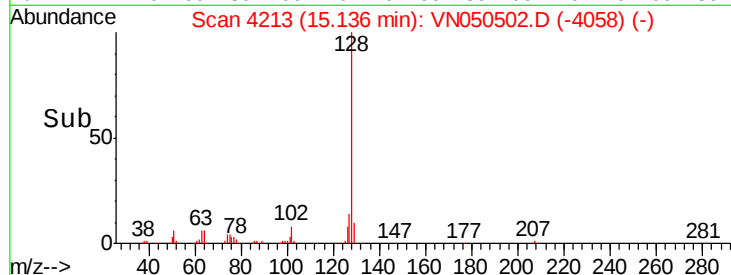
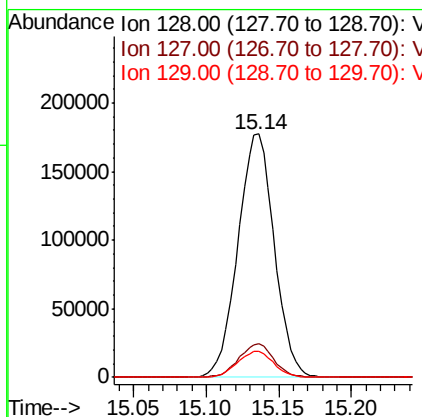
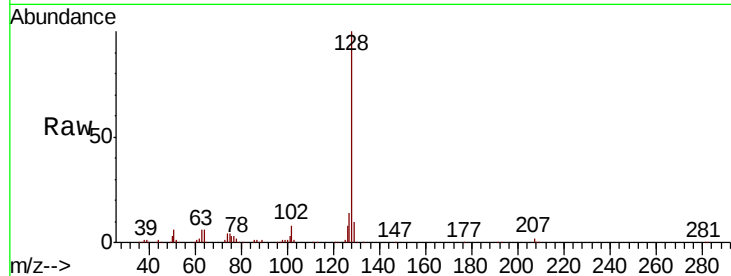
#91  
Naphthalene  
Concen: 20.10 ug/l  
RT: 15.14 min Scan# 4213  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0809WBSD02

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   |      |       |       |
| 127     | 13.4  | 10.2 | 15.4  |       |
| 129     | 10.8  | 9.0  | 13.4  |       |

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#92  
1,2,3-Trichlorobenzene  
Concen: 18.90 ug/l  
RT: 15.32 min Scan# 4269  
Delta R.T. -0.00 min  
Lab File: VN050502.D  
Acq: 9 Aug 2018 22:52

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 94.4  | 0.0  | 188.8 |       |
| 145     | 30.1  | 0.0  | 60.8  |       |

