

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\  
 Data File : VN050975.D  
 Acq On : 30 Aug 2018 20:48  
 Operator : MD\SY  
 Sample : VN0830WBSD02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0830WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 8/31/2018 11:32:25 AM

Quant Time: Aug 31 07:01:18 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Aug 29 01:38:44 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.20  | 128  | 114883   | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 615222   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 527750   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.03   | 65    | 222738   | 30.38    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 101.27% |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 228613   | 29.13    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 97.10%  |
| 63) Toluene-d8            | 10.09  | 98    | 767652   | 31.19    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 103.97% |

## Target Compounds

|                               |      |     |        |       |        | Ovalue |
|-------------------------------|------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 138033 | 19.35 | ug/l   | 100    |
| 3) Chloromethane              | 2.06 | 50  | 155896 | 18.50 | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.18 | 62  | 155512 | 18.68 | ug/l   | 100    |
| 5) Bromomethane               | 2.56 | 94  | 92125  | 18.16 | ug/l   | 98     |
| 6) Chloroethane               | 2.70 | 64  | 91697  | 18.68 | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 213932 | 19.39 | ug/l   | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 71932  | 18.49 | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 131814 | 19.29 | ug/l   | 99     |
| 10) 1,1-Dichloroethene        | 3.74 | 96  | 115595 | 18.62 | ug/l   | 95     |
| 11) Methyl Iodide             | 3.95 | 142 | 91946  | 15.88 | ug/l   | 99     |
| 12) Methyl Acetate            | 4.33 | 43  | 151136 | 21.06 | ug/l   | 97     |
| 13) Acrolein                  | 3.62 | 56  | 8801   | 55.37 | ug/l   | 94     |
| 14) Acrylonitrile             | 4.99 | 53  | 225281 | 92.82 | ug/l   | 97     |
| 15) Acetone                   | 3.82 | 58  | 55416  | 89.23 | ug/l   | 87     |
| 16) Carbon Disulfide          | 4.05 | 76  | 335111 | 17.95 | ug/l   | 100    |
| 17) Allyl chloride            | 4.32 | 41  | 171156 | 17.52 | ug/l   | 98     |
| 18) Methylene Chloride        | 4.55 | 84  | 137268 | 18.84 | ug/l   | 97     |
| 19) trans-1,2-Dichloroethene  | 5.04 | 96  | 123386 | 18.66 | ug/l   | 99     |
| 20) Diisopropyl ether         | 5.96 | 45  | 392968 | 19.38 | ug/l   | 98     |
| 21) 1,1-Dichloroethane        | 5.85 | 63  | 239289 | 19.25 | ug/l   | 99     |
| 22) cis-1,2-Dichloroethene    | 6.83 | 96  | 139594 | 18.68 | ug/l   | 98     |
| 23) tert-Butyl Alcohol        | 4.79 | 59  | 45620  | 88.39 | ug/l # | 100    |
| 24) Methyl tert-Butyl Ether   | 5.05 | 73  | 314420 | 18.52 | ug/l   | 99     |
| 25) Chloroform                | 7.37 | 83  | 242853 | 19.57 | ug/l   | 96     |
| 26) Cyclohexane               | 7.66 | 56  | 183170 | 17.79 | ug/l # | 98     |
| 29) 1,1-Dichloropropene       | 7.80 | 75  | 170608 | 18.52 | ug/l   | 99     |
| 30) 2-Butanone                | 6.84 | 43  | 241843 | 85.35 | ug/l   | 99     |
| 31) 2,2-Dichloropropane       | 6.83 | 77  | 164633 | 18.37 | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 203992 | 19.53 | ug/l   | 98     |
| 33) Carbon Tetrachloride      | 7.78 | 117 | 181744 | 19.32 | ug/l   | 98     |
| 34) Benzene                   | 8.04 | 78  | 542790 | 19.05 | ug/l   | 98     |
| 35) Methacrylonitrile         | 7.17 | 41  | 50351  | 16.22 | ug/l   | 96     |
| 36) 1,2-Dichloroethane        | 8.13 | 62  | 167305 | 19.42 | ug/l   | 100    |
| 37) Trichloroethene           | 8.84 | 130 | 142426 | 19.12 | ug/l   | 98     |
| 38) Methylcyclohexane         | 9.08 | 83  | 173642 | 17.55 | ug/l   | 100    |
| 39) 1,2-Dichloropropane       | 9.12 | 63  | 145349 | 19.53 | ug/l   | 100    |
| 40) Dibromomethane            | 9.21 | 93  | 87086  | 19.43 | ug/l   | 97     |

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 Sample : VN0830WBSD02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 8/31/2018 11:32:25 AM

Quant Time: Aug 31 07:01:18 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Aug 29 01:38:44 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Bromodichloromethane       | 9.40  | 83   | 180675   | 19.12  | ug/l  | 98       |
| 42) Vinyl Acetate              | 5.90  | 43   | 1175045  | 90.03  | ug/l  | 100      |
| 43) Ethyl Acetate              | 6.94  | 43   | 105253   | 18.13  | ug/l  | 99       |
| 44) Isopropyl Acetate          | 8.17  | 43   | 199282   | 19.46  | ug/l  | 100      |
| 45) 1,4-Dioxane                | 9.20  | 88   | 27252    | 358.18 | ug/l  | 99       |
| 46) Methyl methacrylate        | 9.20  | 41   | 95877    | 18.69  | ug/l  | 96       |
| 47) n-amyl Acetate             | 12.07 | 43   | 134968   | 16.39  | ug/l  | 98       |
| 48) t-1,3-Dichloropropene      | 10.38 | 75   | 166906   | 18.02  | ug/l  | 99       |
| 49) cis-1,3-Dichloropropene    | 9.84  | 75   | 199352   | 18.74  | ug/l  | 98       |
| 50) 1,1,2-Trichloroethane      | 10.56 | 97   | 125678   | 19.30  | ug/l  | 97       |
| 51) Ethyl methacrylate         | 10.43 | 69   | 139073   | 17.45  | ug/l  | 98       |
| 52) 1,3-Dichloropropane        | 10.71 | 76   | 206714   | 19.16  | ug/l  | 99       |
| 53) Dibromochloromethane       | 10.90 | 129  | 139308   | 18.81  | ug/l  | 97       |
| 54) 1,2-Dibromoethane          | 11.01 | 107  | 119123   | 18.50  | ug/l  | 99       |
| 55) 2-Chloroethyl vinyl ether  | 9.70  | 63   | 300626   | 90.66  | ug/l  | 100      |
| 56) Bromoform                  | 12.13 | 173  | 95224    | 18.08  | ug/l  | 100      |
| 58) 4-Methyl-2-Pentanone       | 9.99  | 43   | 560593   | 92.84  | ug/l  | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 350521   | 88.81  | ug/l  | 99       |
| 61) Tetrachloroethene          | 10.63 | 164  | 128322   | 19.51  | ug/l  | 97       |
| 62) Toluene                    | 10.16 | 91   | 573682   | 19.48  | ug/l  | 100      |
| 64) Chlorobenzene              | 11.44 | 112  | 350427   | 19.20  | ug/l  | 99       |
| 65) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 136523   | 19.82  | ug/l  | 99       |
| 66) Ethyl Benzene              | 11.51 | 91   | 558127   | 18.30  | ug/l  | 100      |
| 67) m/p-Xylenes                | 11.62 | 106  | 447564   | 38.14  | ug/l  | 99       |
| 68) o-Xylene                   | 11.95 | 106  | 211362   | 18.85  | ug/l  | 99       |
| 69) Styrene                    | 11.97 | 104  | 336143   | 18.86  | ug/l  | 98       |
| 70) Isopropylbenzene           | 12.25 | 105  | 556076   | 18.66  | ug/l  | 99       |
| 71) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 157039   | 19.47  | ug/l  | 100      |
| 72) 1,2,3-Trichloropropane     | 12.55 | 75   | 136115m  | 19.56  | ug/l  |          |
| 73) Bromobenzene               | 12.53 | 156  | 144628   | 18.45  | ug/l  | 99       |
| 74) n-propylbenzene            | 12.59 | 91   | 615992   | 18.29  | ug/l  | 99       |
| 75) 2-Chlorotoluene            | 12.68 | 91   | 388817   | 19.00  | ug/l  | 99       |
| 76) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 464586   | 19.08  | ug/l  | 99       |
| 77) t-1,4-Dichloro-2-butene    | 12.30 | 75   | 33322    | 16.81  | ug/l  | 98       |
| 78) 4-Chlorotoluene            | 12.77 | 91   | 373653   | 18.54  | ug/l  | 100      |
| 79) tert-butylbenzene          | 12.99 | 119  | 384180   | 18.17  | ug/l  | 97       |
| 80) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 460343   | 18.96  | ug/l  | 100      |
| 81) sec-Butylbenzene           | 13.17 | 105  | 513424   | 18.56  | ug/l  | 99       |
| 82) p-Isopropyltoluene         | 13.29 | 119  | 433366   | 18.15  | ug/l  | 99       |
| 83) 1,3-Dichlorobenzene        | 13.28 | 146  | 242520   | 18.30  | ug/l  | 99       |
| 84) 1,4-Dichlorobenzene        | 13.36 | 146  | 229290   | 18.26  | ug/l  | 99       |
| 85) n-Butylbenzene             | 13.62 | 91   | 305567   | 16.77  | ug/l  | 99       |
| 86) Hexachloroethane           | 13.88 | 117  | 86850    | 18.95  | ug/l  | 99       |
| 87) 1,2-Dichlorobenzene        | 13.65 | 146  | 248059   | 19.02  | ug/l  | 99       |
| 88) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 21083    | 18.68  | ug/l  | 94       |
| 89) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 85599    | 14.74  | ug/l  | 99       |
| 90) Hexachlorobutadiene        | 15.01 | 225  | 78521    | 19.90  | ug/l  | 99       |
| 91) Naphthalene                | 15.13 | 128  | 166599   | 17.75  | ug/l  | 99       |
| 92) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 95534    | 16.39  | ug/l  | 99       |

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Sample : VN0830WBSD02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD02

Manual Integrations  
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MMDadoda  
8/31/2018 11:32:25 AM

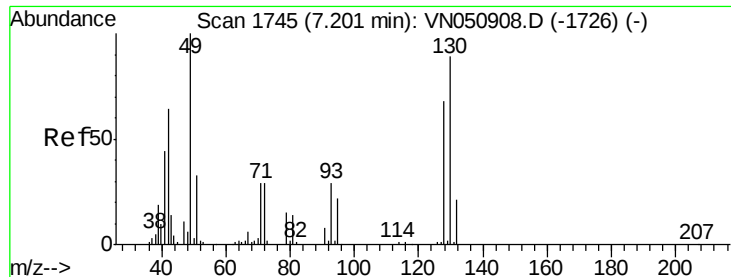
Quant Time: Aug 31 07:01:18 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Aug 29 01:38:44 2018  
Response via : Initial Calibration

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

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





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA\_N

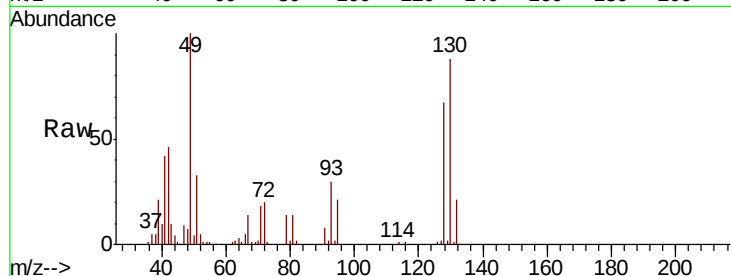
ClientSampleId :

VN0830WBSD02

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 128   | Resp: | 114883 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 49       | 151.6 | 0.0   | 380.3  |
| 130      | 130.9 | 0.0   | 325.3  |

Manual Integrations  
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8/31/2018 11:32:25 AM

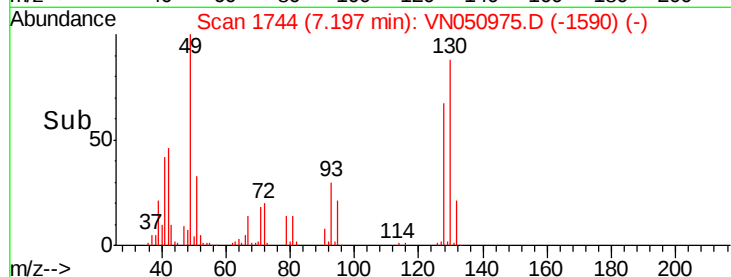


Abundance Ion 128.00 (127.70 to 128.70): VN050908.D (-1726) (-)

Ion 49.00 (48.70 to 49.70): VN050908.D (-1726) (-)

Ion 130.00 (129.70 to 130.70): VN050908.D (-1726) (-)

Time-->

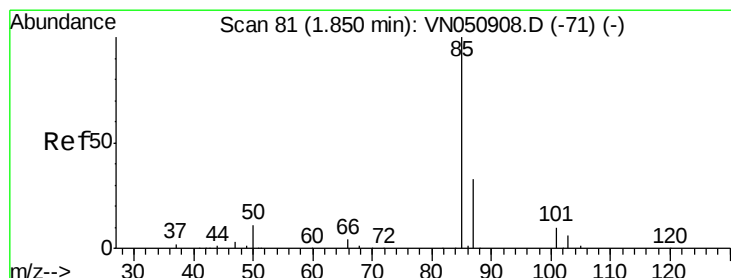


Abundance Ion 128.00 (127.70 to 128.70): VN050975.D (-1590) (-)

Ion 49.00 (48.70 to 49.70): VN050975.D (-1590) (-)

Ion 130.00 (129.70 to 130.70): VN050975.D (-1590) (-)

Time-->



#2

Dichlorodifluoromethane

Concen: 19.35 ug/l

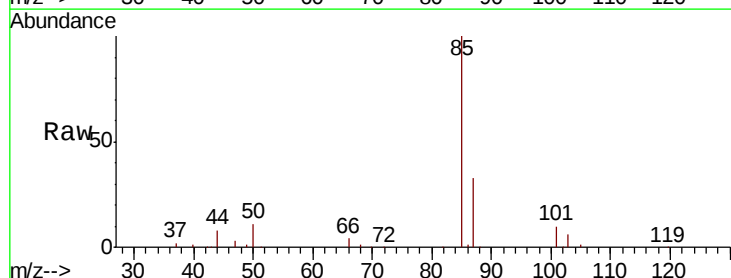
RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

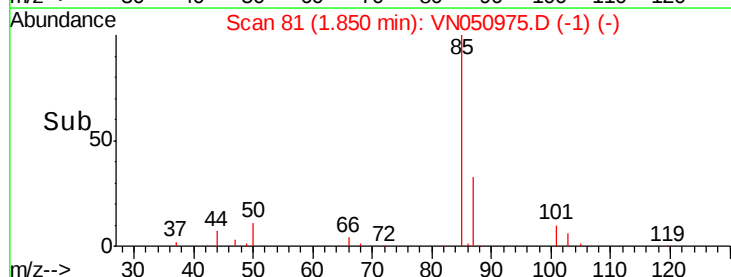
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 85    | Resp: | 138033 |
| Ion      | Ratio | Lower | Upper  |
| 85       | 100   |       |        |
| 87       | 32.6  | 16.4  | 49.1   |



Abundance Ion 85.00 (84.70 to 85.70): VN050908.D (-71) (-)

Ion 87.00 (86.70 to 87.70): VN050908.D (-71) (-)

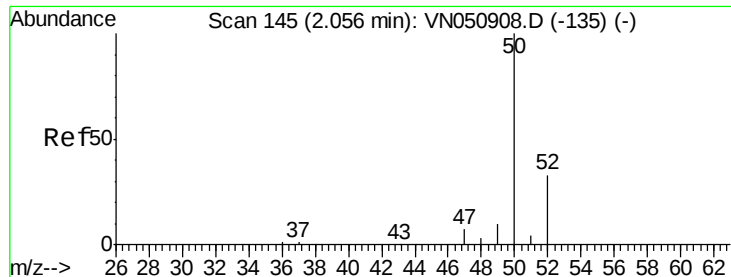
Time-->



Abundance Ion 85.00 (84.70 to 85.70): VN050975.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VN050975.D (-1) (-)

Time-->



#3

Chloromethane

Concen: 18.50 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA\_N

ClientSampleId :

VN0830WBSD02

Tot Ion: 50 Resp: 155896

Ion Ratio Lower Upper

50 100

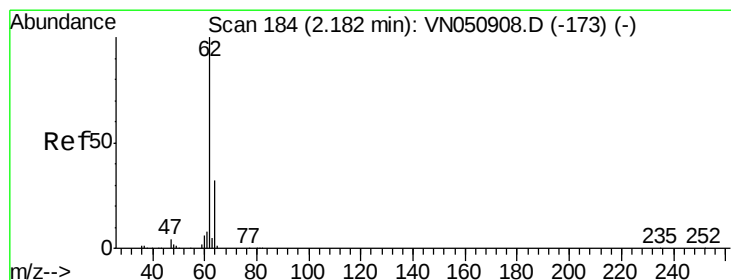
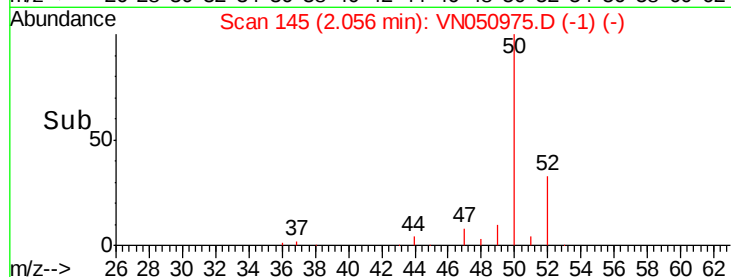
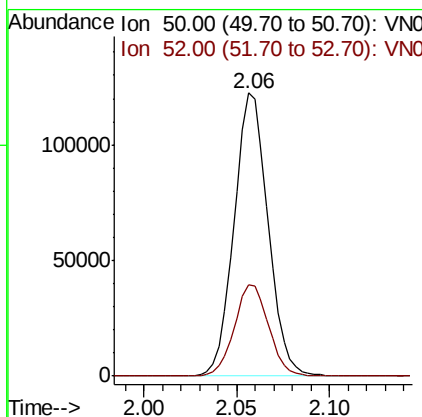
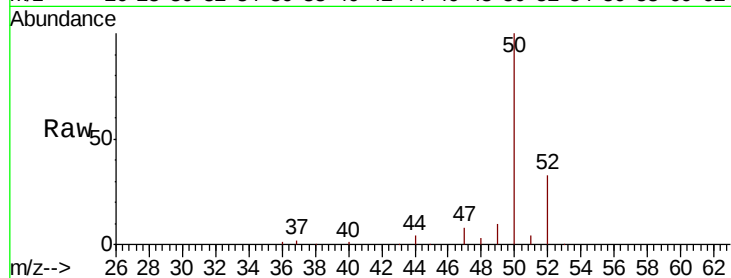
52 32.5 26.2 39.4

Manual Integrations

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8/31/2018 11:32:25 AM



#4

Vinyl Chloride

Concen: 18.68 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050975.D

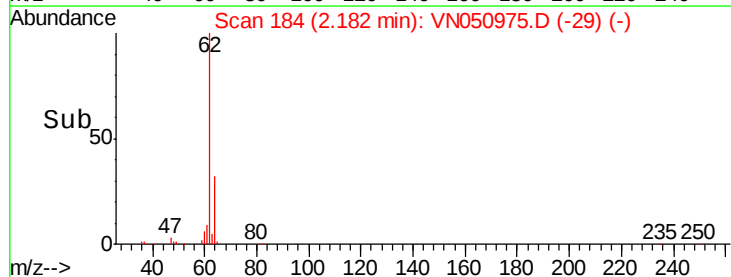
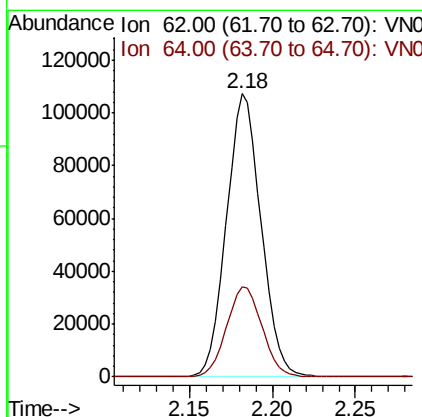
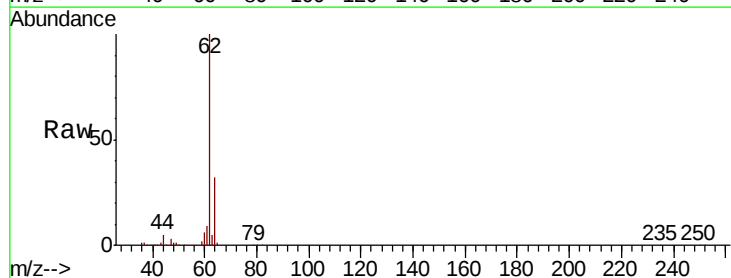
Acq: 30 Aug 2018 20:48

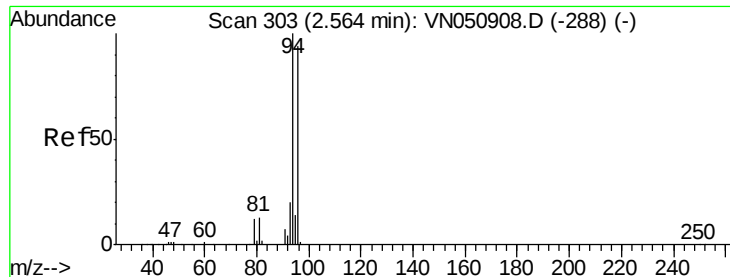
Tgt Ion: 62 Resp: 155512

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 18.16 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA\_N

ClientSampleId :

VN0830WBSD02

Tot Ion: 94 Resp: 92125

Ion Ratio Lower Upper

94 100

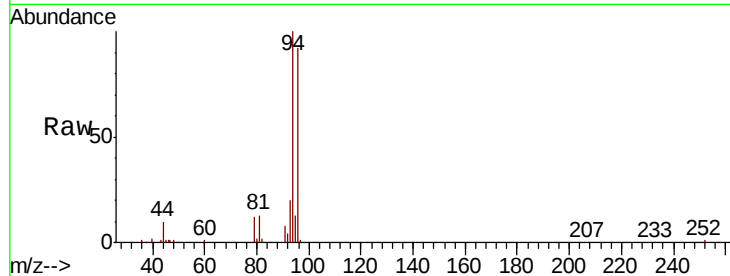
96 91.8 74.9 112.3

Manual Integrations

APPROVED

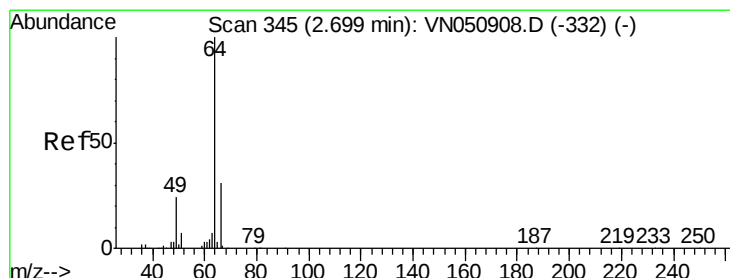
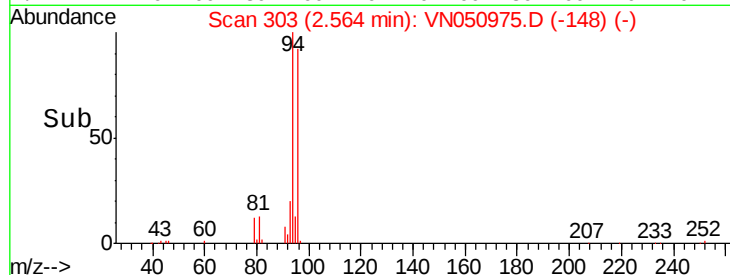
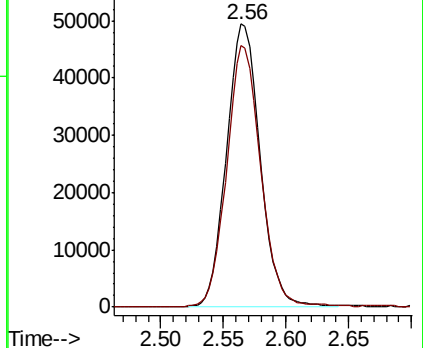
MMDadoda

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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: 18.68 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050975.D

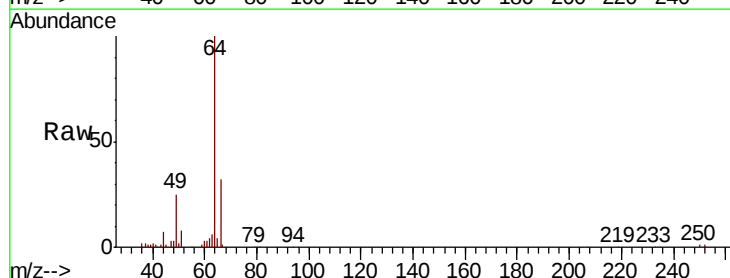
Acq: 30 Aug 2018 20:48

Tgt Ion: 64 Resp: 91697

Ion Ratio Lower Upper

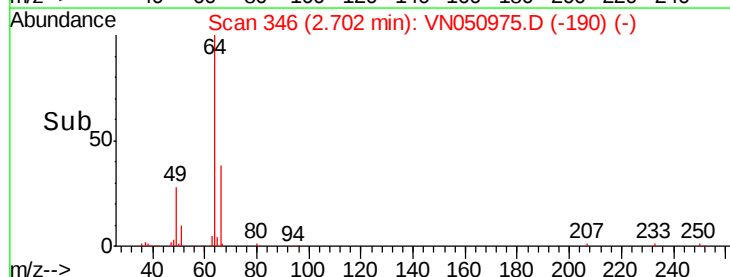
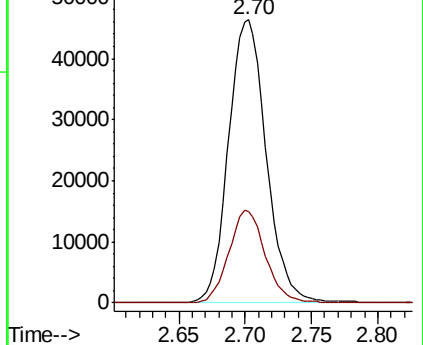
64 100

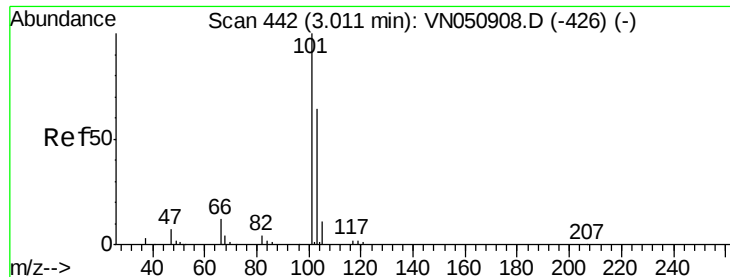
66 32.5 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

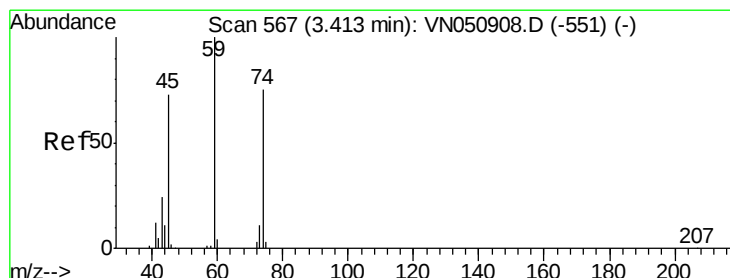
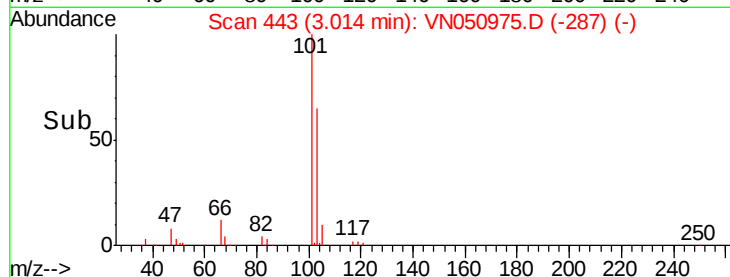
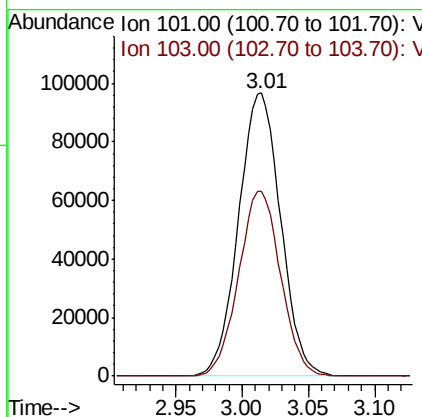
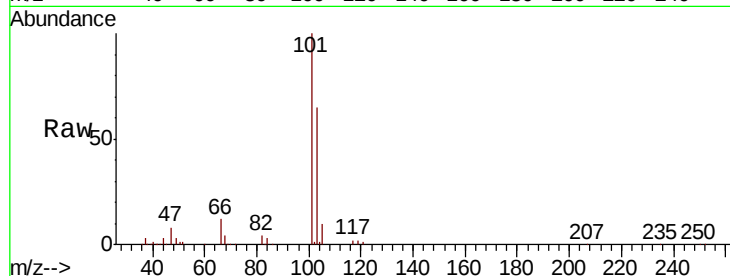
Trichlorofluoromethane  
 Concen: 19.39 ug/l  
 RT: 3.01 min Scan# 443  
 Delta R.T. 0.00 min  
 Lab File: VN050975.D  
 Acq: 30 Aug 2018 20:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.3  | 51.3  | 76.9  |

Manual Integrations  
 APPROVED

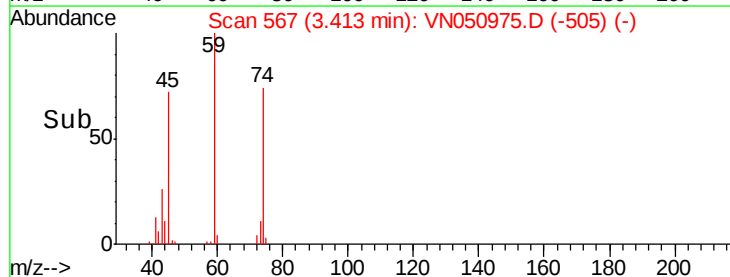
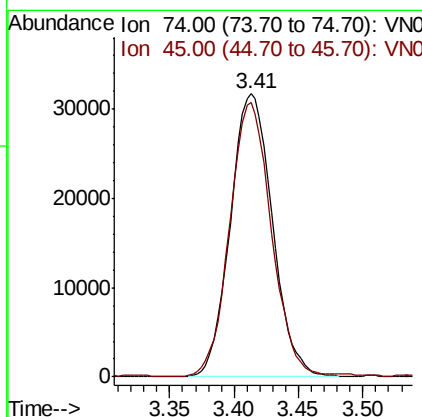
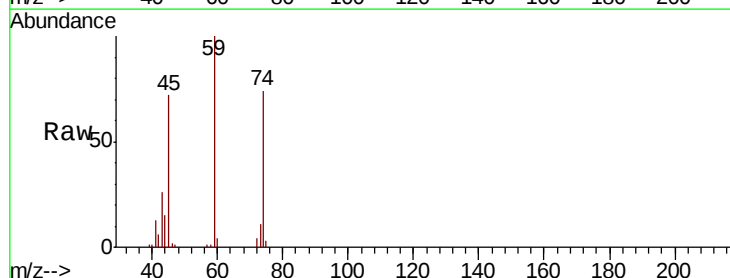
MMDadoda  
 8/31/2018 11:32:25 AM

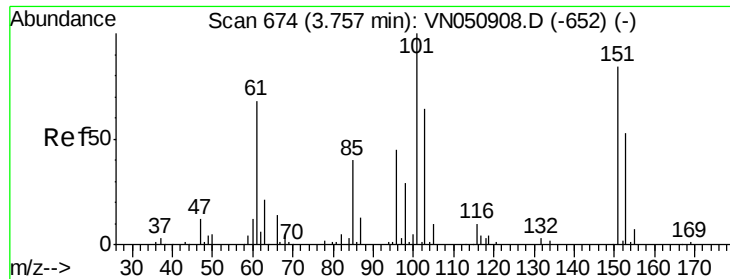


#8

Diethyl Ether  
 Concen: 18.49 ug/l  
 RT: 3.41 min Scan# 567  
 Delta R.T. -0.00 min  
 Lab File: VN050975.D  
 Acq: 30 Aug 2018 20:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 96.2  | 19.7  | 177.1 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.29 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA\_N

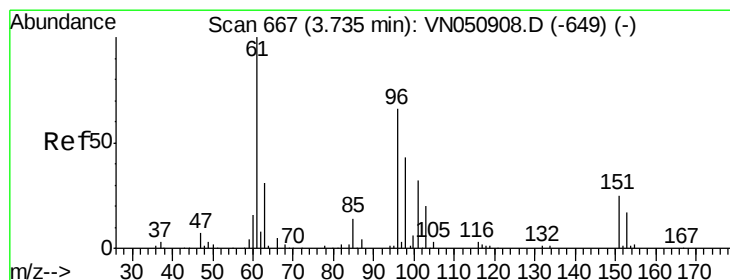
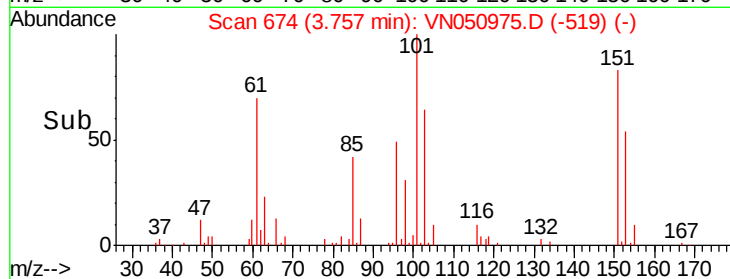
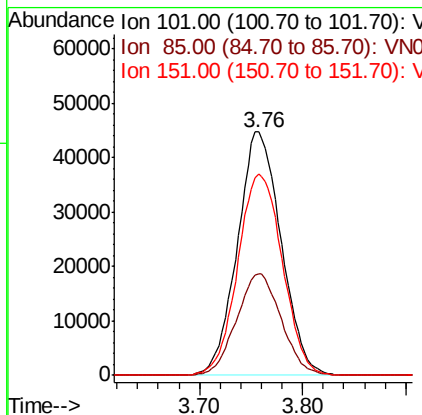
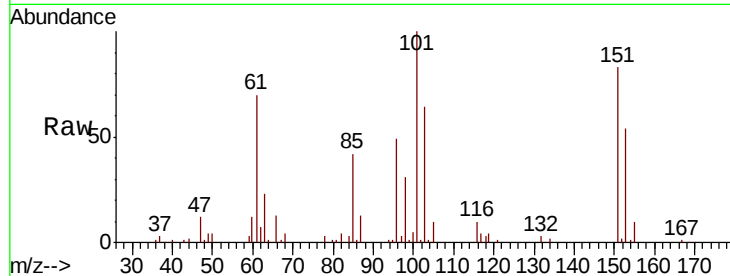
ClientSampleId :

VN0830WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 131814 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.4  | 0.0   | 83.6   |
| 151       | 84.3  | 0.0   | 167.0  |

Manual Integrations  
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MMDadoda  
8/31/2018 11:32:25 AM



#10

1,1-Dichloroethene

Concen: 18.62 ug/l

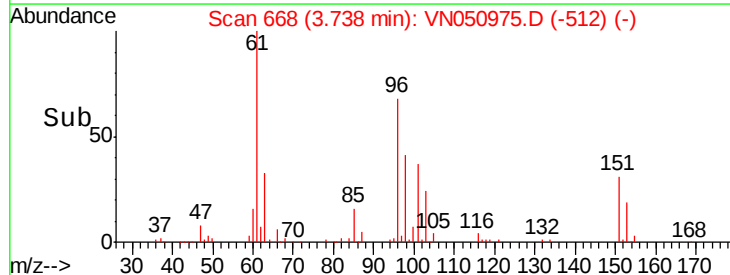
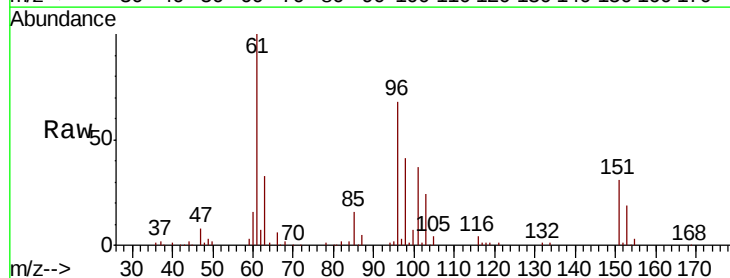
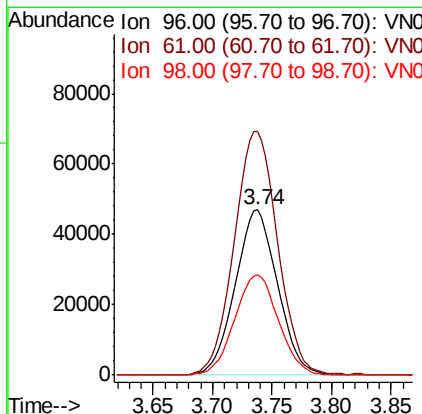
RT: 3.74 min Scan# 668

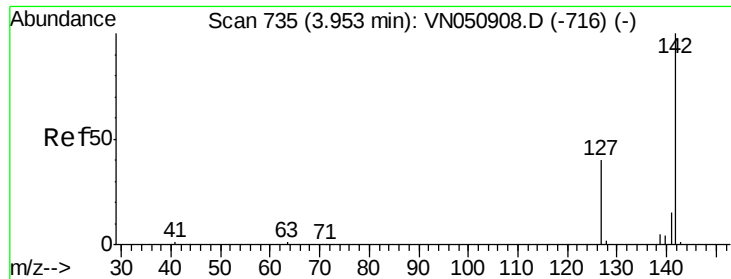
Delta R.T. 0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 96    | Resp: | 115595 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 147.0 | 121.8 | 182.8  |
| 98        | 60.9  | 52.3  | 78.5   |





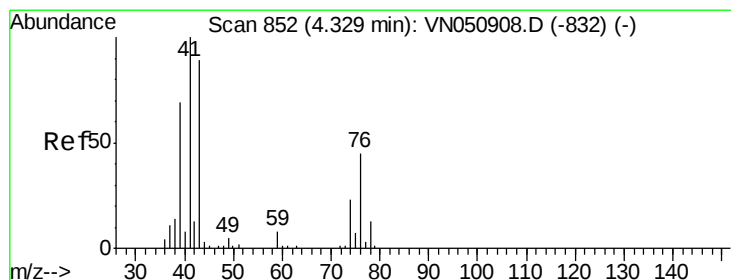
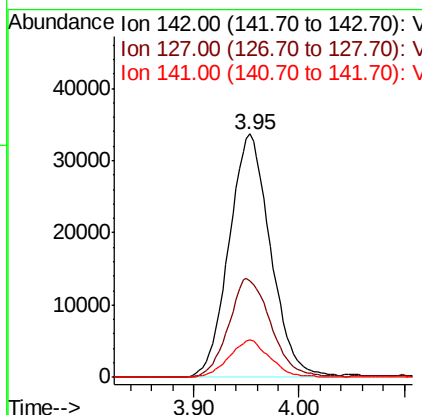
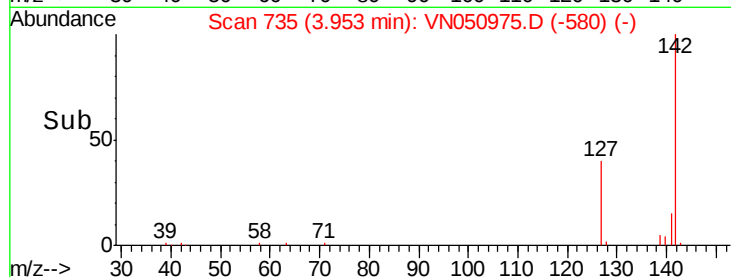
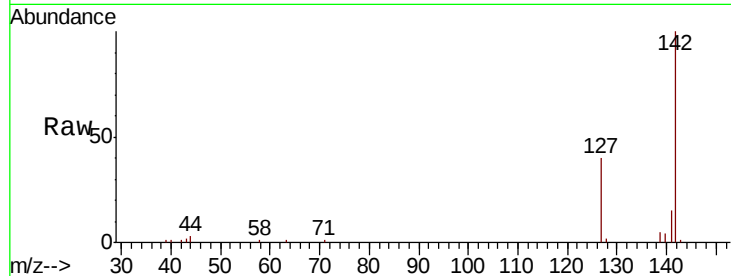
#11  
Methvl Iodide  
Concen: 15.88 ug/l  
RT: 3.95 min Scan# 735  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 39.5  | 19.7  | 59.1  |
| 141     | 15.4  | 7.3   | 22.0  |

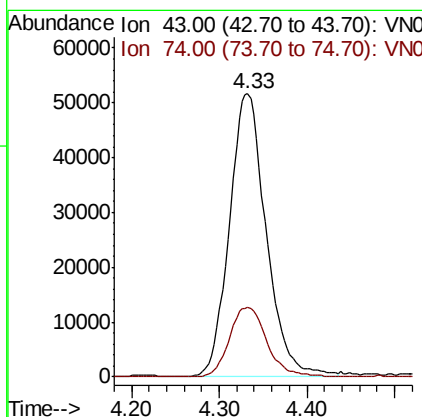
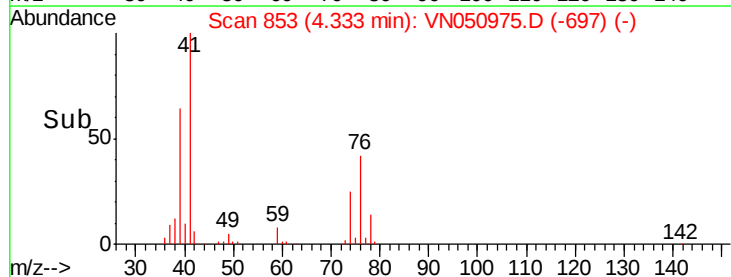
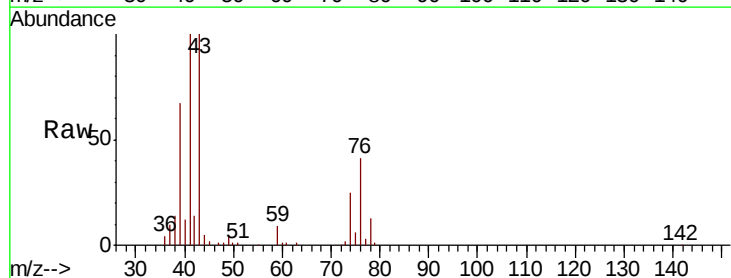
Manual Integrations  
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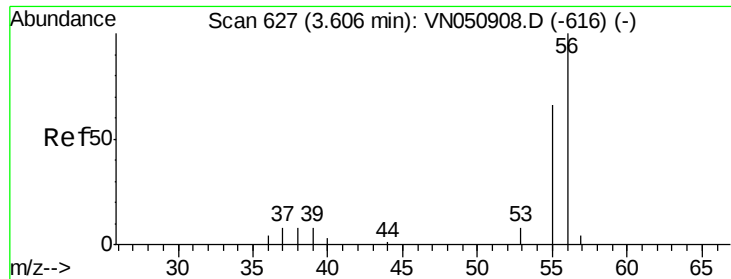
MMDadoda  
8/31/2018 11:32:25 AM



#12  
Methyl Acetate  
Concen: 21.06 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.5  | 20.6  | 31.0  |





#13

Acrolein

Concen: 55.37 ug/l

RT: 3.62 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA\_N

ClientSampleId :

VN0830WBSD02

Tot Ion: 56 Resp: 8801

Ion Ratio Lower Upper

56 100

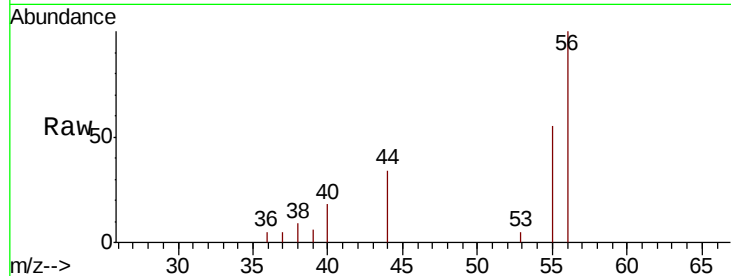
55 68.9 59.1 88.7

Manual Integrations

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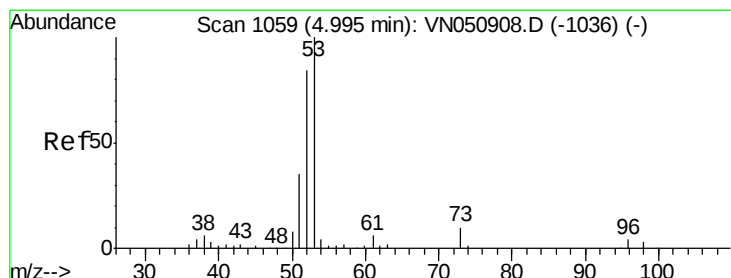
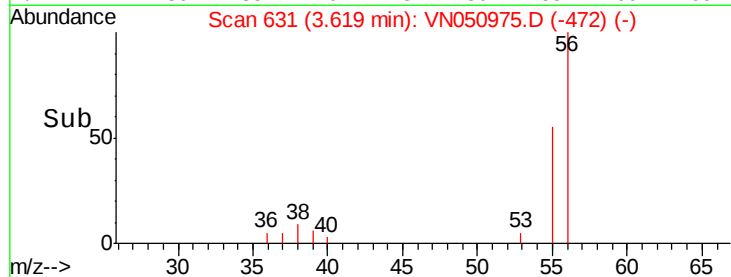
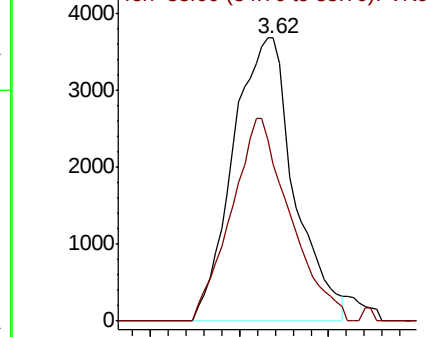
MMDadoda

8/31/2018 11:32:25 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 92.82 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

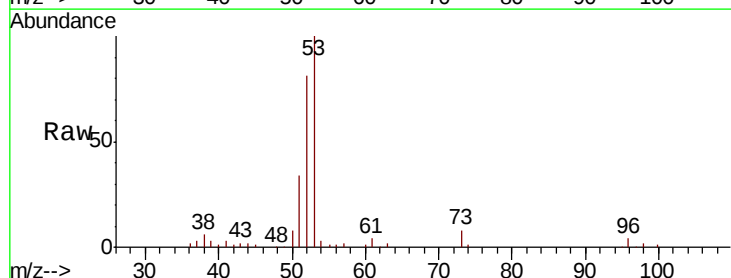
Tgt Ion: 53 Resp: 225281

Ion Ratio Lower Upper

53 100

52 80.5 42.2 126.6

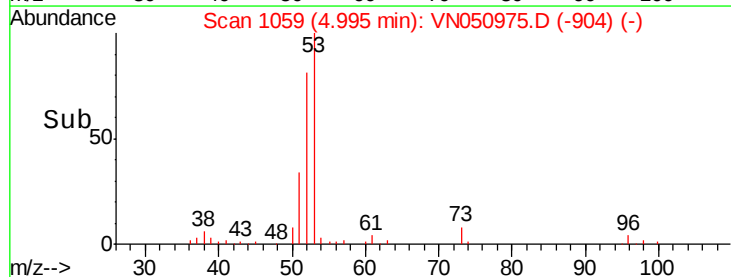
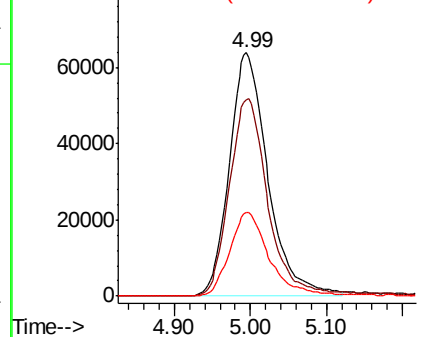
51 35.1 17.7 53.1

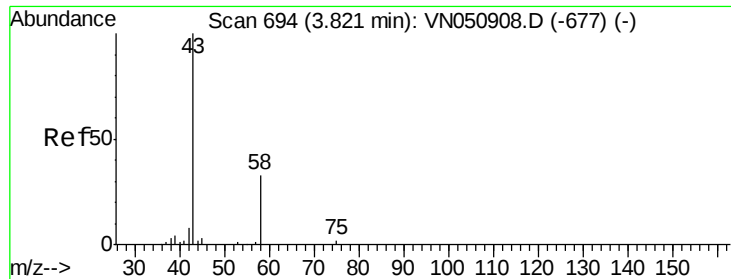


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 89.23 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA\_N

ClientSampleId :

VN0830WBSD02

Tot Ion: 58 Resp: 55416

Ion Ratio Lower Upper

58 100

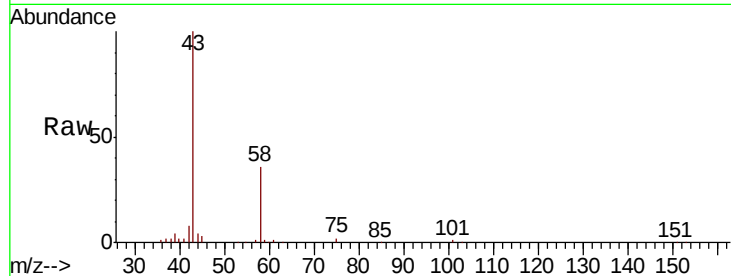
43 273.3 239.4 359.0

Manual Integrations

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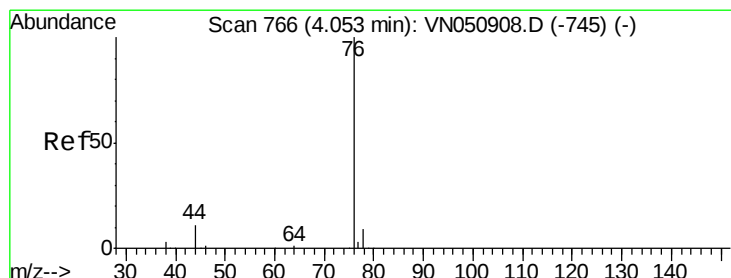
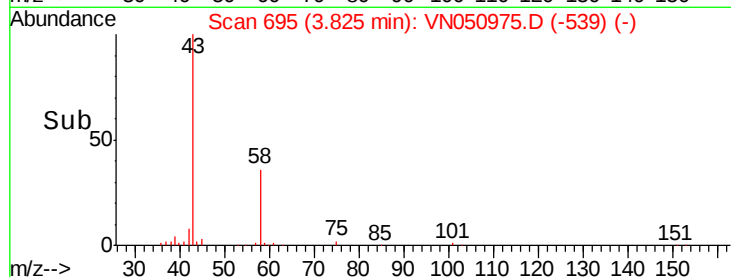
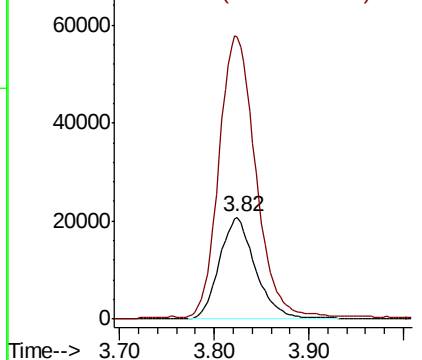
MMDadoda

8/31/2018 11:32:25 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.95 ug/l

RT: 4.05 min Scan# 766

Delta R.T. -0.00 min

Lab File: VN050975.D

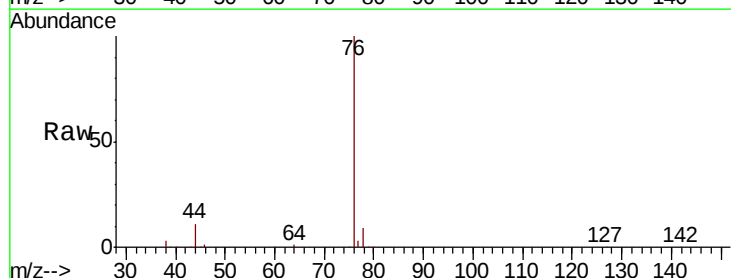
Acq: 30 Aug 2018 20:48

Tgt Ion: 76 Resp: 335111

Ion Ratio Lower Upper

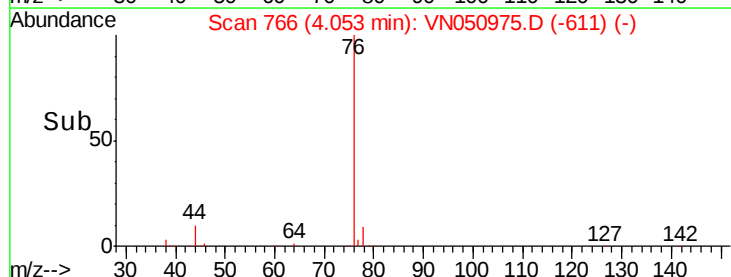
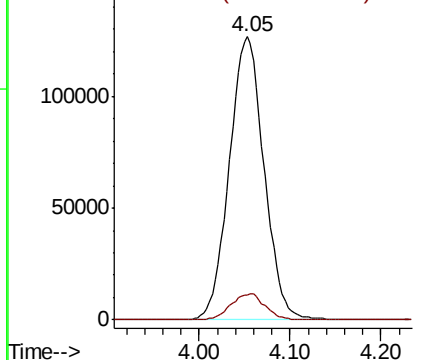
76 100

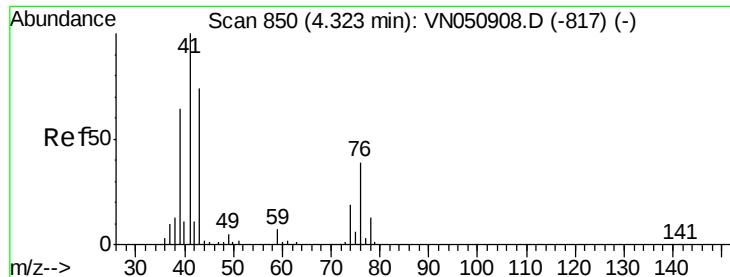
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





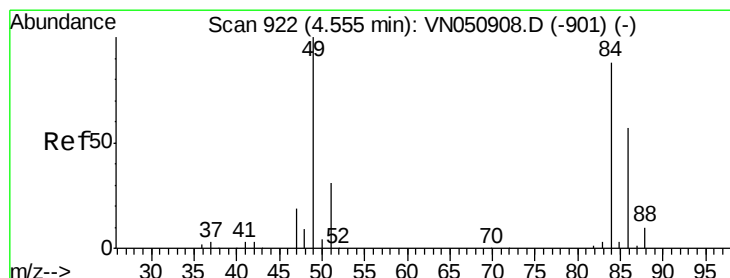
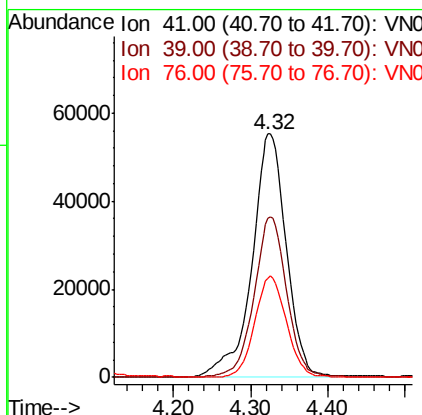
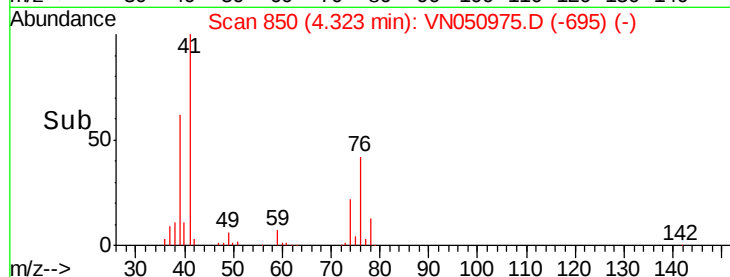
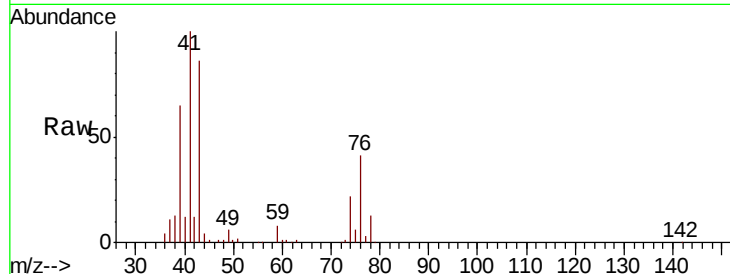
#17  
Allvl chloride  
Concen: 17.52 ug/l  
RT: 4.32 min Scan# 850  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD02

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 41   | Resp: | 171156 |
| Ion Ratio |      | Lower | Upper  |
| 41        | 100  |       |        |
| 39        | 65.1 | 32.2  | 96.6   |
| 76        | 40.6 | 19.6  | 58.7   |

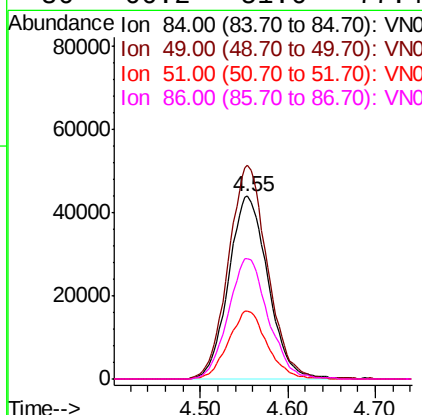
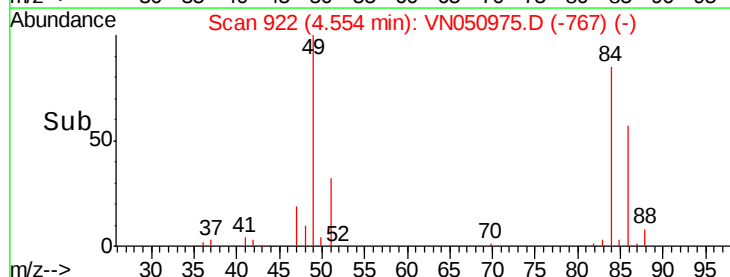
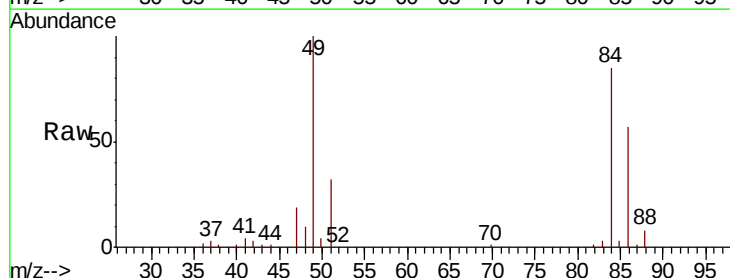
Manual Integrations  
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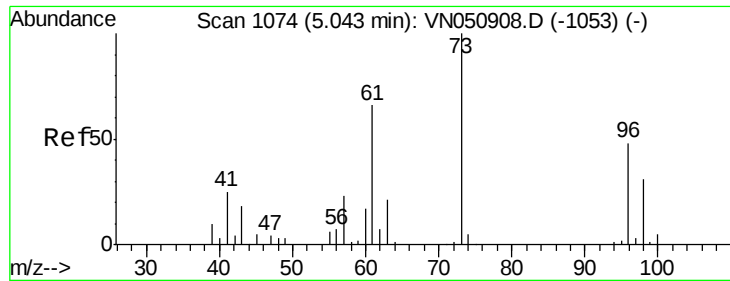
MMDadoda  
8/31/2018 11:32:25 AM



#18  
Methylene Chloride  
Concen: 18.84 ug/l  
RT: 4.55 min Scan# 922  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 84    | Resp: | 137268 |
| Ion Ratio |       | Lower | Upper  |
| 84        | 100   |       |        |
| 49        | 116.7 | 90.6  | 135.8  |
| 51        | 37.5  | 28.4  | 42.6   |
| 86        | 66.2  | 51.6  | 77.4   |





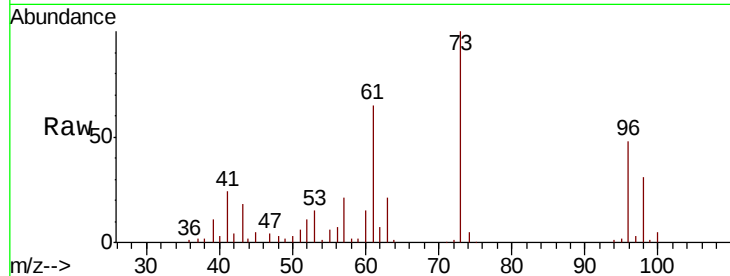
#19  
trans-1,2-Dichloroethene  
Concen: 18.66 ug/l  
RT: 5.04 min Scan# 1074  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 136.3 | 109.5 | 164.3 |
| 98      | 64.0  | 51.9  | 77.9  |

Manual Integrations  
APPROVED

MMDadoda  
8/31/2018 11:32:25 AM

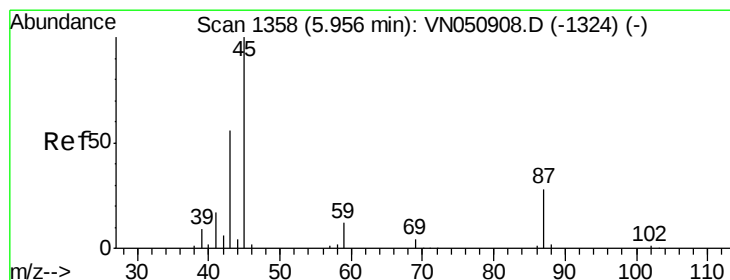
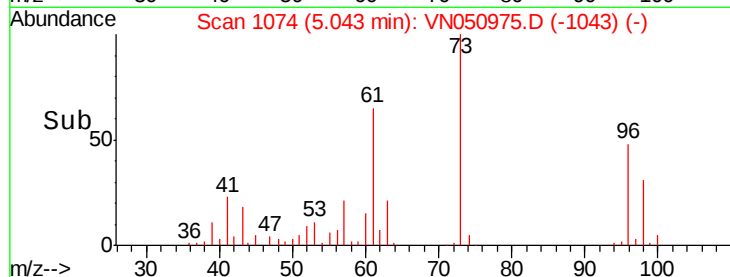
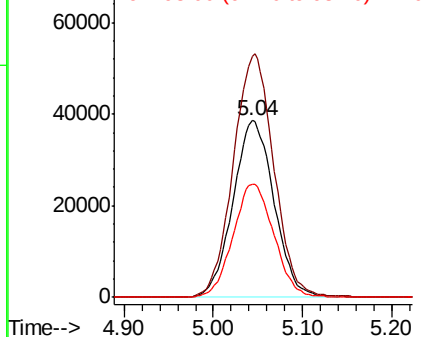


Abundance

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: 19.38 ug/l  
RT: 5.96 min Scan# 1359  
Delta R.T. 0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 57.5  | 47.0  | 70.6  |
| 87      | 27.3  | 22.8  | 34.2  |
| 59      | 12.1  | 9.5   | 14.3  |

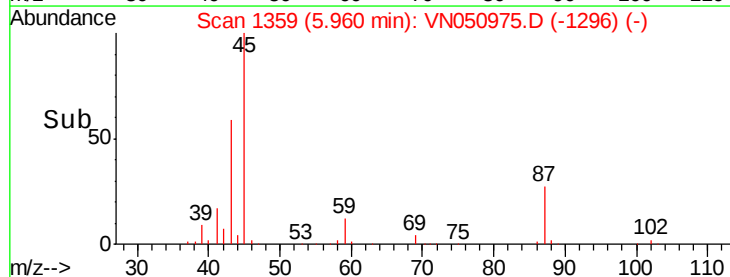
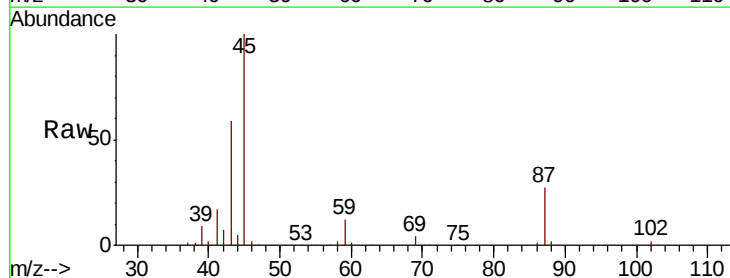
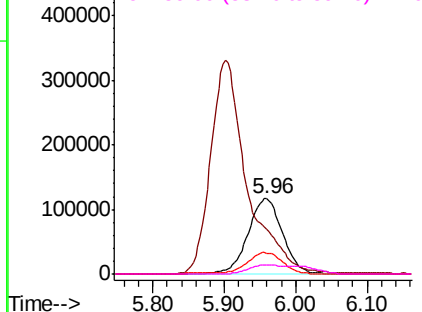
Abundance

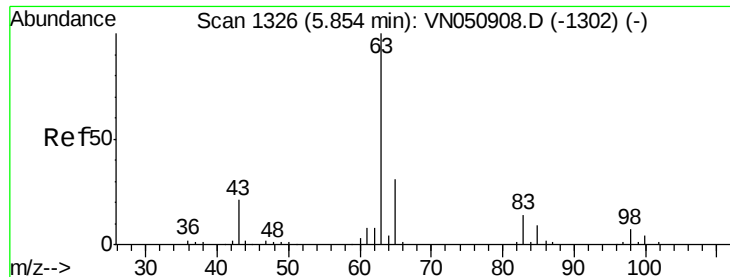
Ion 45.00 (44.70 to 45.70): VN0

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: 19.25 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA\_N

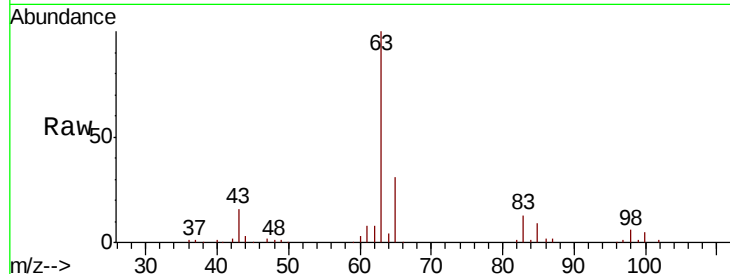
ClientSampleId :

VN0830WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 63      | 100   | 239289 |       |       |
| 98      | 6.3   |        | 3.3   | 9.9   |
| 100     | 4.6   |        | 2.0   | 6.0   |

Manual Integrations  
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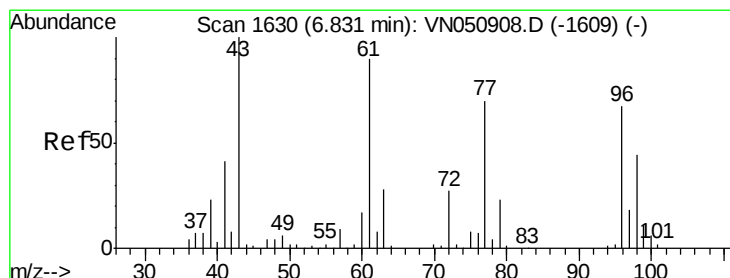
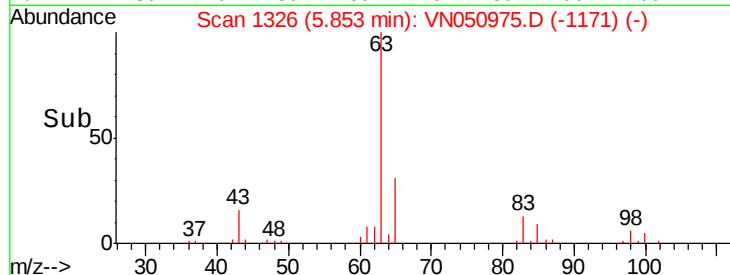
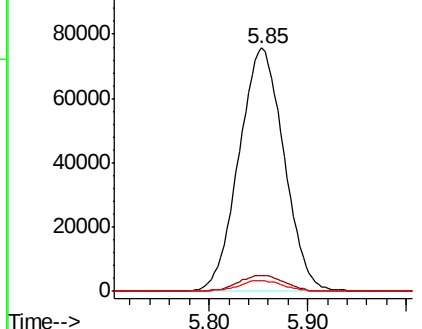
MMDadoda  
8/31/2018 11:32:25 AM



Abundance Ion 63.00 (62.70 to 63.70): VN050908.D (-1302) (-)

Ion 98.00 (97.70 to 98.70): VN050908.D (-1302) (-)

Ion 100.00 (99.70 to 100.70): VN050908.D (-1302) (-)



#22

cis-1,2-Dichloroethene

Concen: 18.68 ug/l

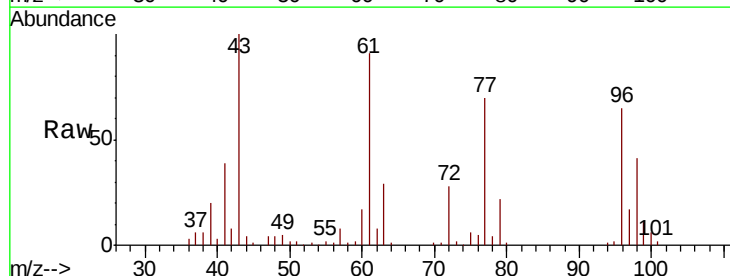
RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

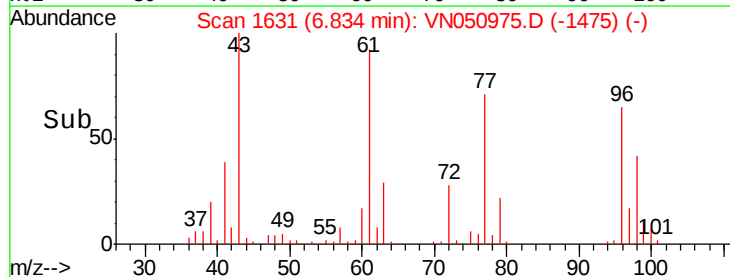
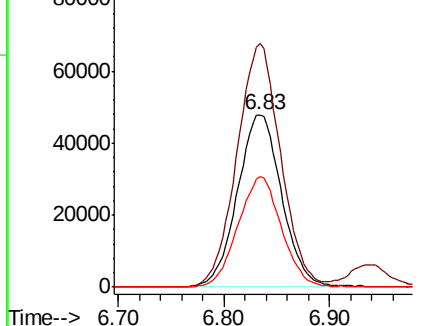
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 139594 |       |       |
| 61      | 139.7 |        | 110.0 | 165.0 |
| 98      | 62.8  |        | 51.7  | 77.5  |

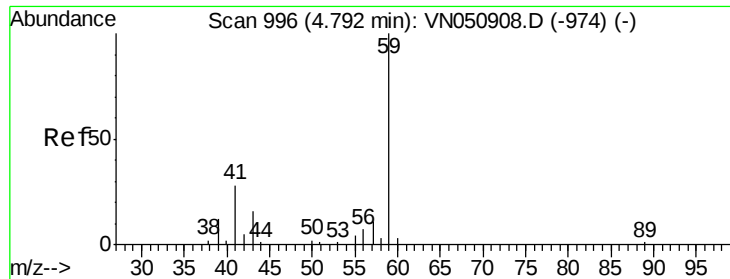


Abundance Ion 96.00 (95.70 to 96.70): VN050908.D (-1609) (-)

Ion 61.00 (60.70 to 61.70): VN050908.D (-1609) (-)

Ion 98.00 (97.70 to 98.70): VN050908.D (-1609) (-)





#23

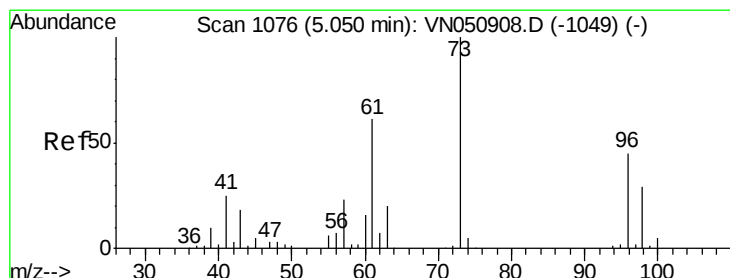
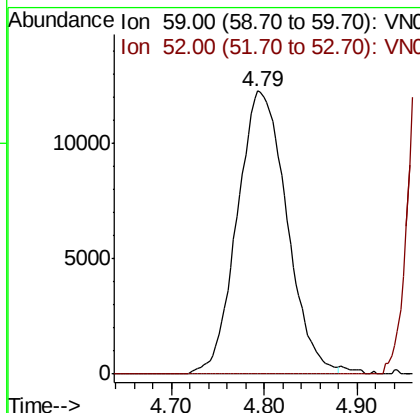
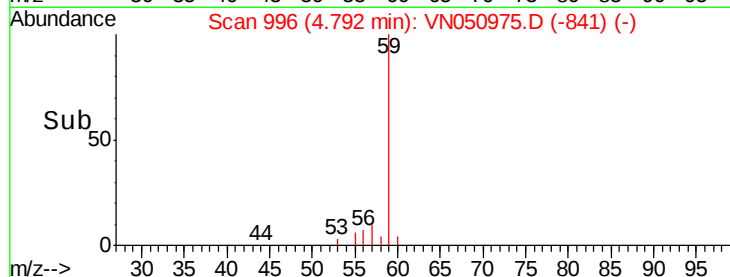
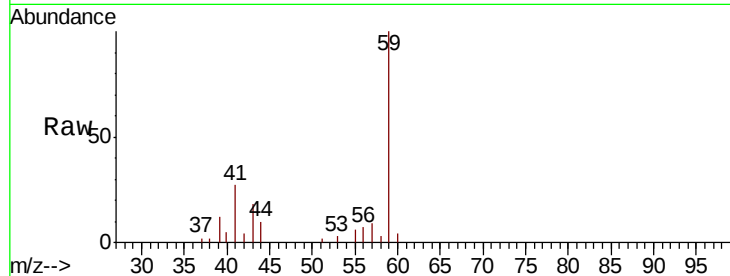
tert-Butyl Alcohol  
 Concen: 88.39 ug/l  
 RT: 4.79 min Scan# 996  
 Delta R.T. -0.00 min  
 Lab File: VN050975.D  
 Acq: 30 Aug 2018 20:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD02

Tot Ion: 59 Resp: 45620  
 Ion Ratio Lower Upper  
 59 100  
 52 0.0 0.1 0.1#

Manual Integrations  
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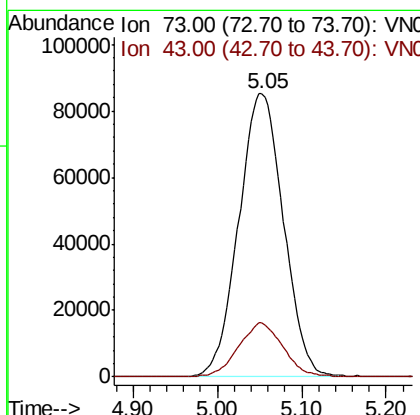
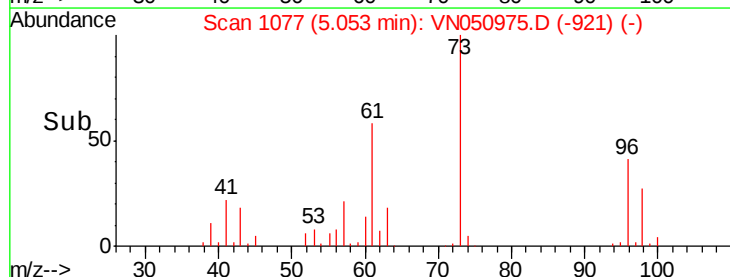
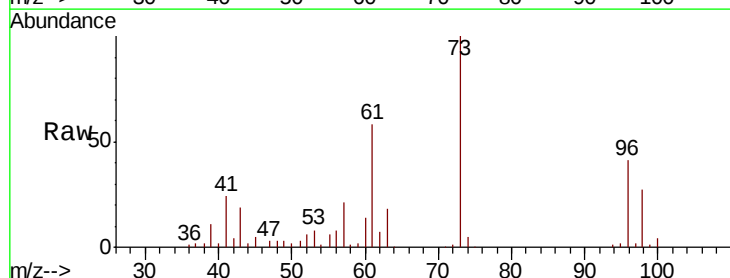
MMDadoda  
 8/31/2018 11:32:25 AM

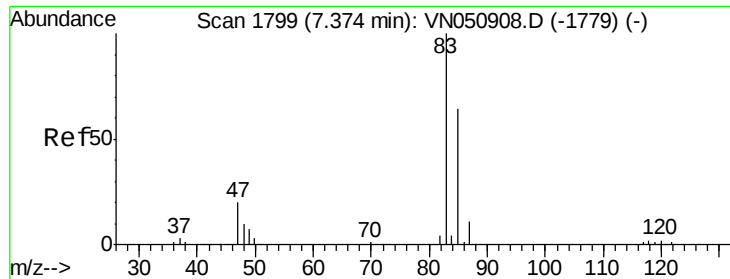


#24

Methyl tert-Butyl Ether  
 Concen: 18.52 ug/l  
 RT: 5.05 min Scan# 1077  
 Delta R.T. 0.00 min  
 Lab File: VN050975.D  
 Acq: 30 Aug 2018 20:48

Tgt Ion: 73 Resp: 314420  
 Ion Ratio Lower Upper  
 73 100  
 43 18.6 14.4 21.6





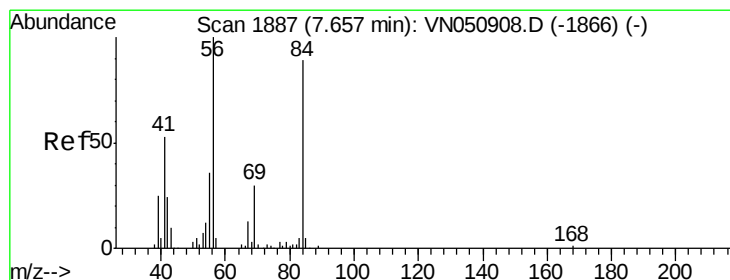
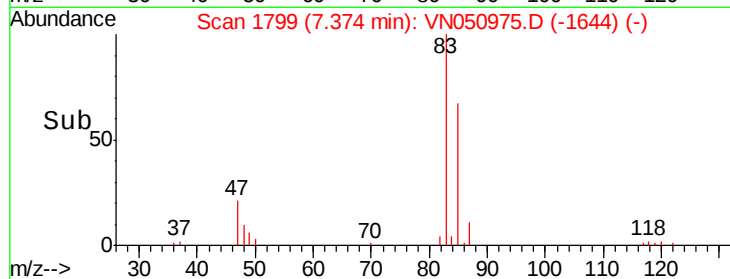
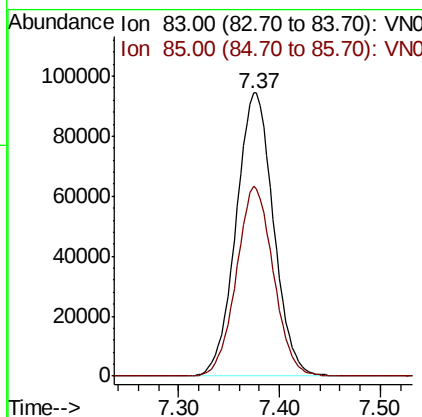
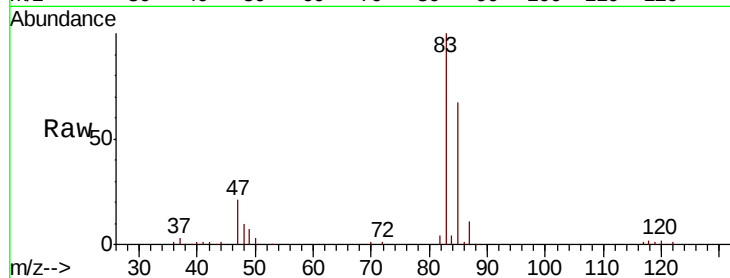
#25  
Chloroform  
Concen: 19.57 ug/l  
RT: 7.37 min Scan# 1799  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD02

| Tot Ion   | 83   | Resp  | 242853 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 67.0 | 51.4  | 77.0   |

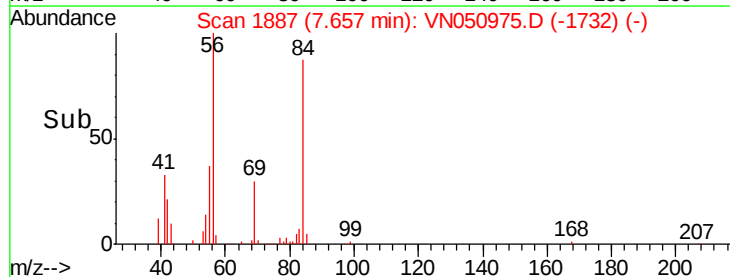
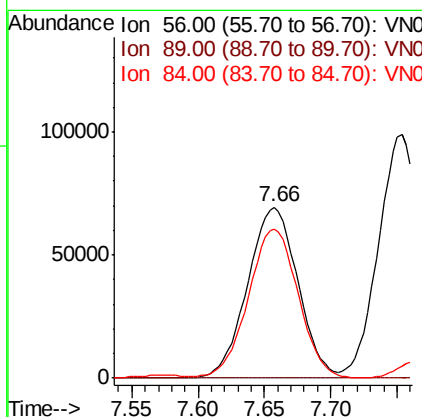
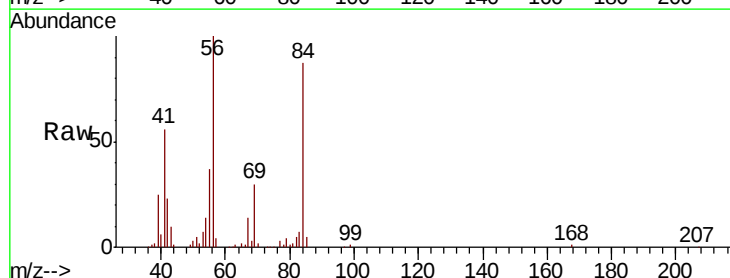
Manual Integrations  
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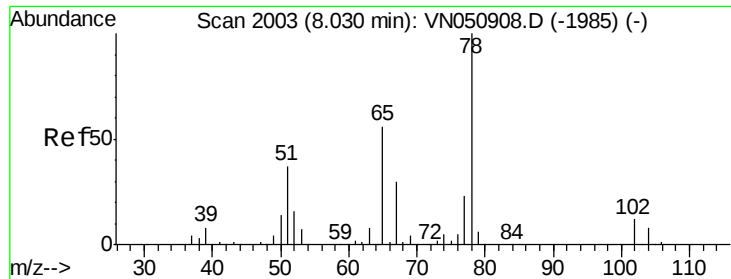
MMDadoda  
8/31/2018 11:32:25 AM



#26  
Cyclohexane  
Concen: 17.79 ug/l  
RT: 7.66 min Scan# 1887  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

| Tgt Ion   | 56   | Resp  | 183170 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 56        | 100  |       |        |
| 89        | 0.0  | 0.4   | 0.6#   |
| 84        | 86.0 | 70.4  | 105.6  |





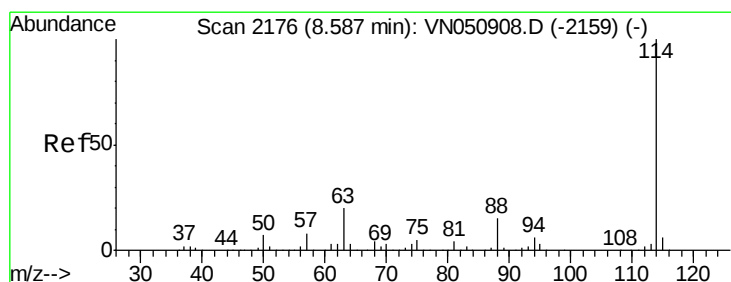
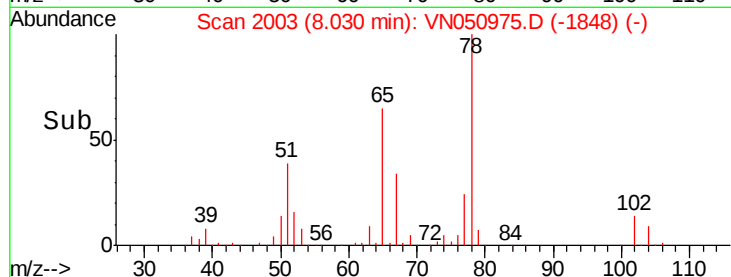
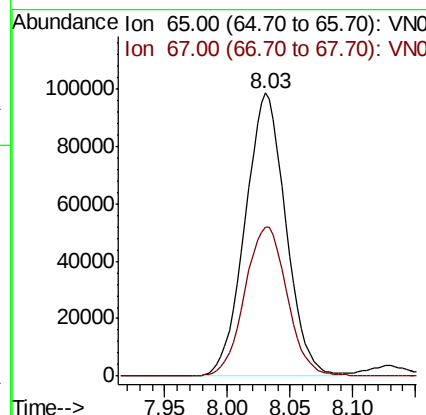
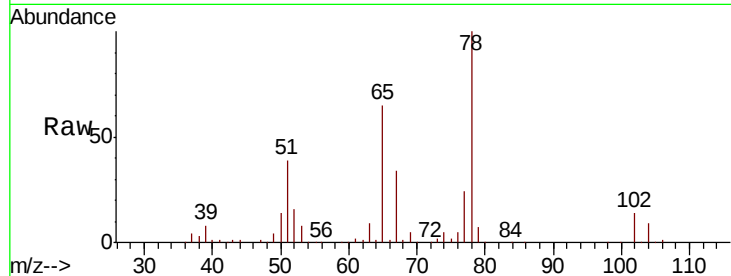
#27  
 1,2-Dichloroethane-d4  
 Concen: 30.38 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. -0.00 min  
 Lab File: VN050975.D  
 Acq: 30 Aug 2018 20:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD02

Tot Ion: 65 Resp: 222738  
 Ion Ratio Lower Upper  
 65 100  
 67 54.9 43.7 65.5

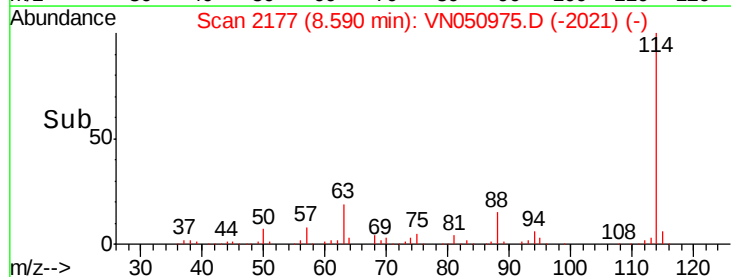
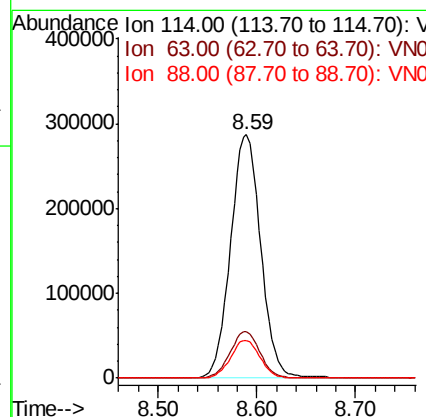
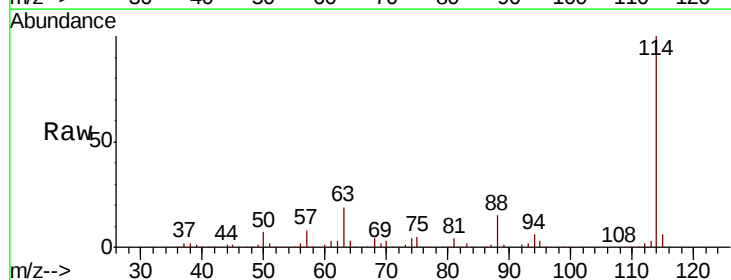
Manual Integrations  
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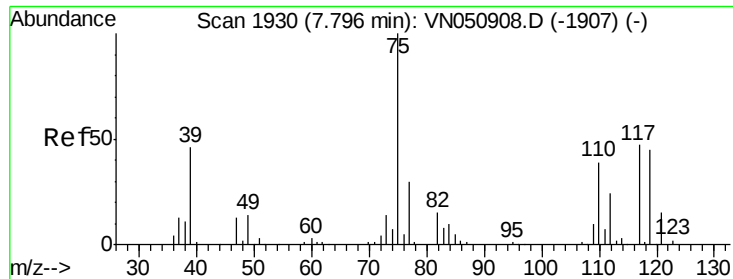
MMDadoda  
 8/31/2018 11:32:25 AM



#28  
 1,4-Difluorobenzene  
 Concen: 30.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN050975.D  
 Acq: 30 Aug 2018 20:48

Tgt Ion: 114 Resp: 615222  
 Ion Ratio Lower Upper  
 114 100  
 63 19.1 15.6 23.4  
 88 15.2 12.2 18.4





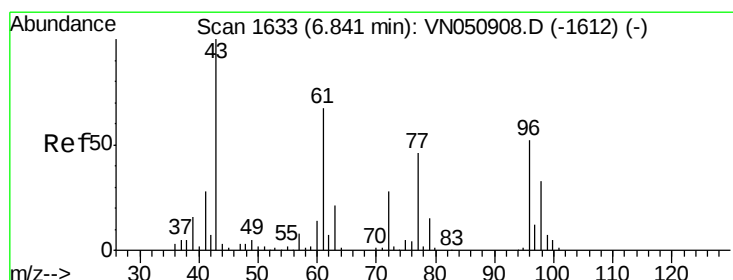
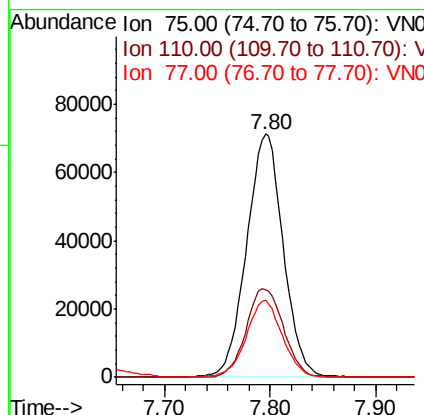
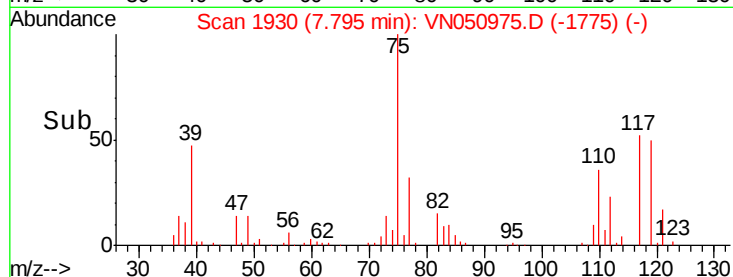
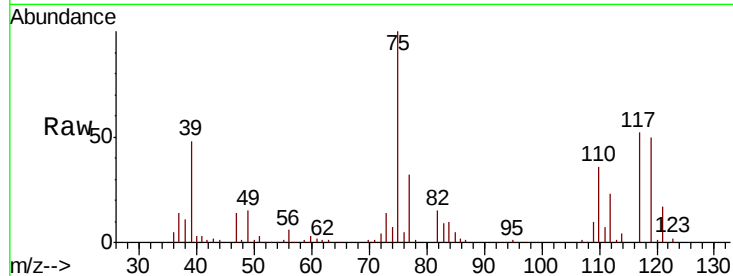
#29  
 1,1-Dichloropropene  
 Concen: 18.52 ug/l  
 RT: 7.80 min Scan# 1930  
 Delta R.T. -0.00 min  
 Lab File: VN050975.D  
 Acq: 30 Aug 2018 20:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD02

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 37.6  | 0.0  | 75.0  |       |
| 77      | 31.6  | 0.0  | 60.6  |       |

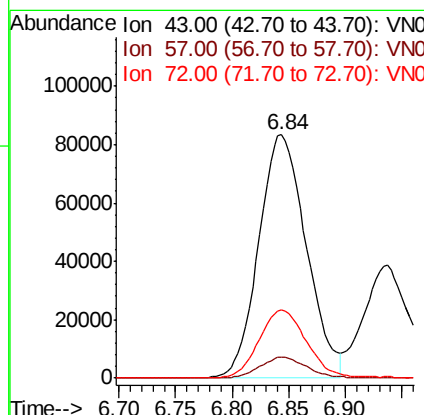
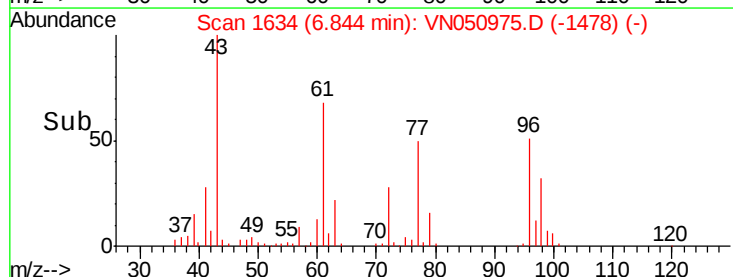
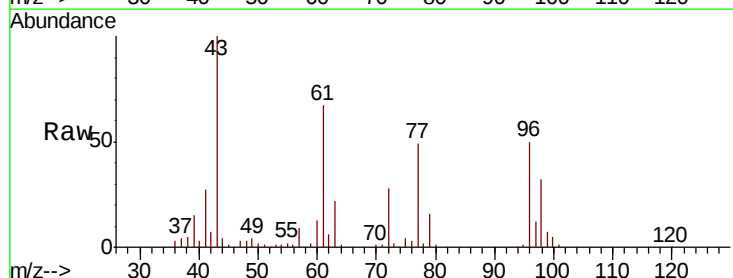
Manual Integrations  
 APPROVED

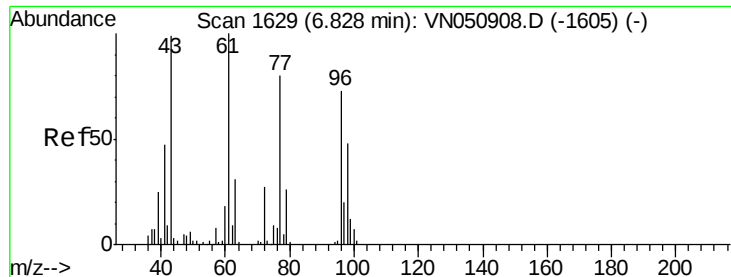
MMDadoda  
 8/31/2018 11:32:25 AM



#30  
 2-Butanone  
 Concen: 85.35 ug/l  
 RT: 6.84 min Scan# 1634  
 Delta R.T. 0.00 min  
 Lab File: VN050975.D  
 Acq: 30 Aug 2018 20:48

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 43      | 100   |      |       |       |
| 57      | 8.5   | 6.9  | 10.3  |       |
| 72      | 28.1  | 22.8 | 34.2  |       |





#31

2,2-Dichloropropane

Concen: 18.37 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA\_N

ClientSampleId :

VN0830WBSD02

Tot Ion: 77 Resp: 164633

Ion Ratio Lower Upper

77 100

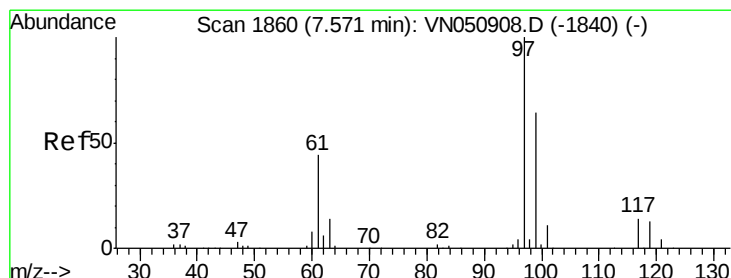
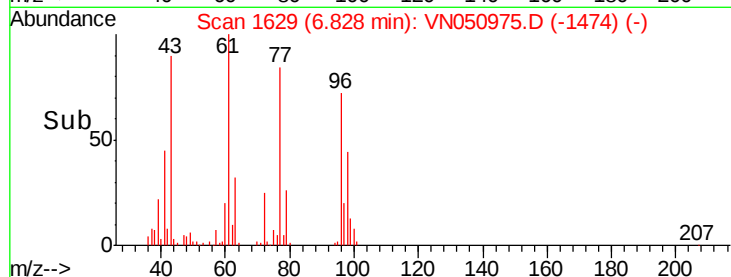
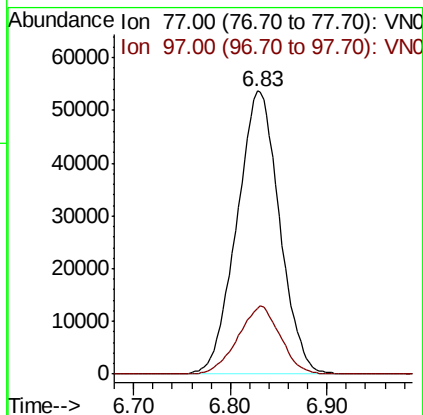
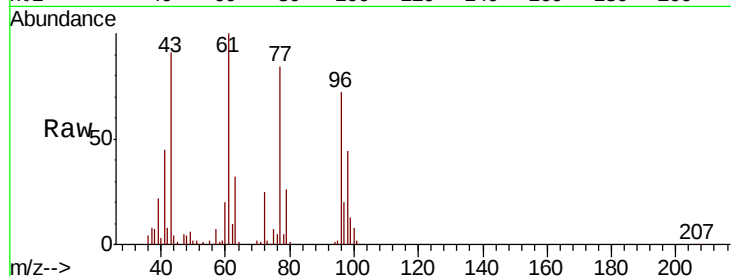
97 23.8 20.2 30.2

Manual Integrations

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MMDadoda

8/31/2018 11:32:25 AM



#32

1,1,1-Trichloroethane

Concen: 19.53 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

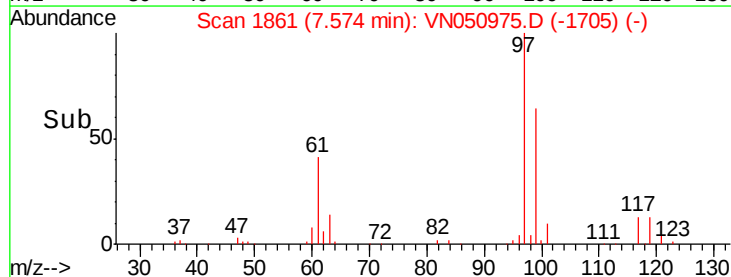
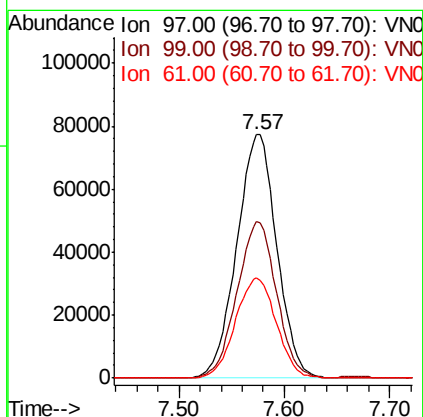
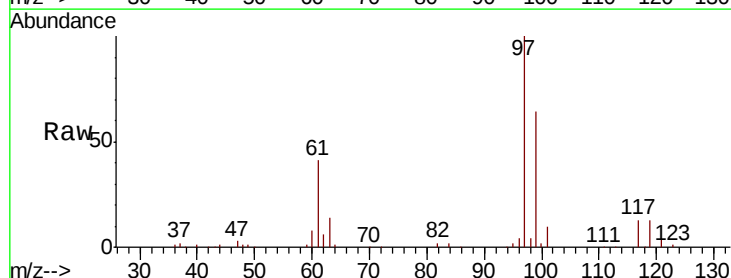
Tgt Ion: 97 Resp: 203992

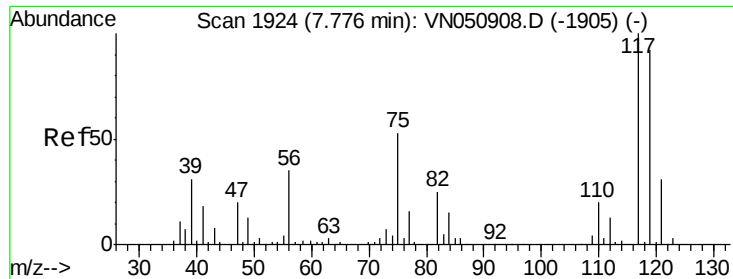
Ion Ratio Lower Upper

97 100

99 63.4 52.0 78.0

61 42.0 35.0 52.6





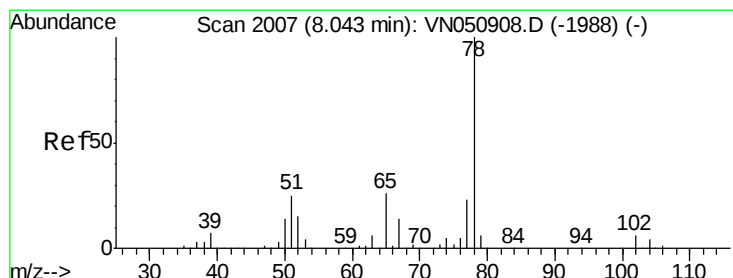
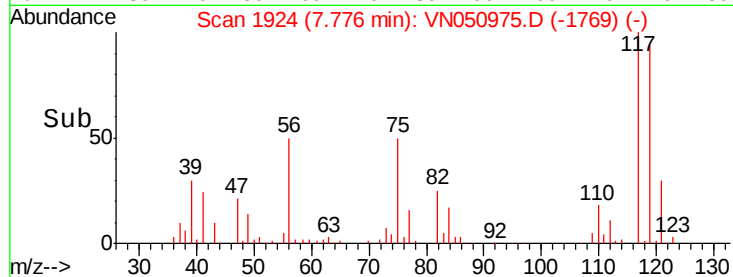
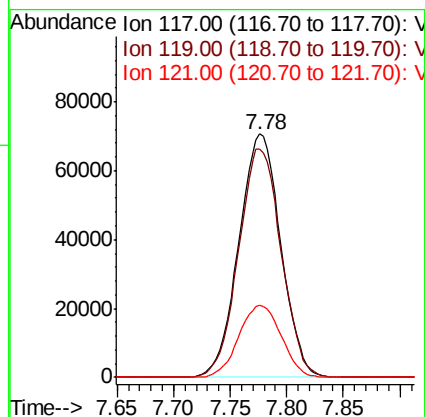
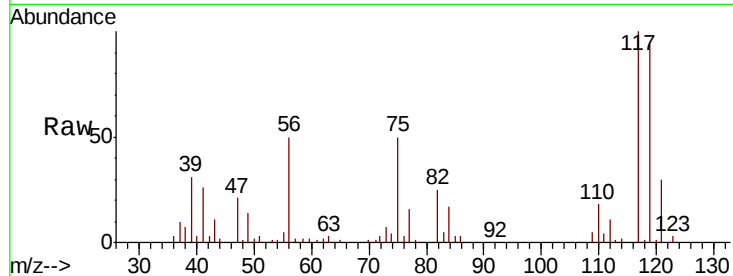
#33  
Carbon Tetrachloride  
Concen: 19.32 ug/l  
RT: 7.78 min Scan# 1924  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.0  | 73.5  | 110.3 |
| 121     | 29.5  | 24.6  | 37.0  |

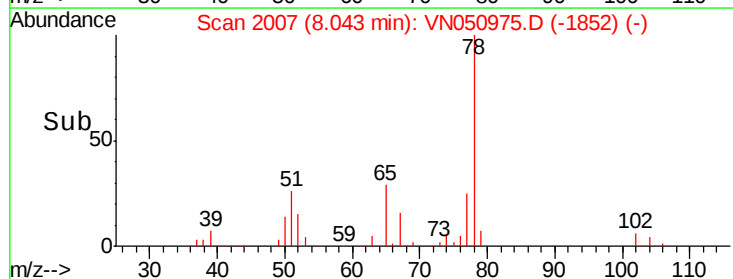
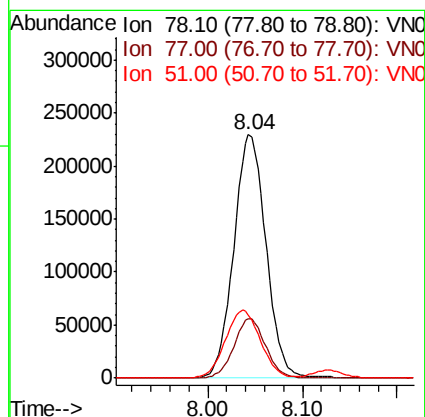
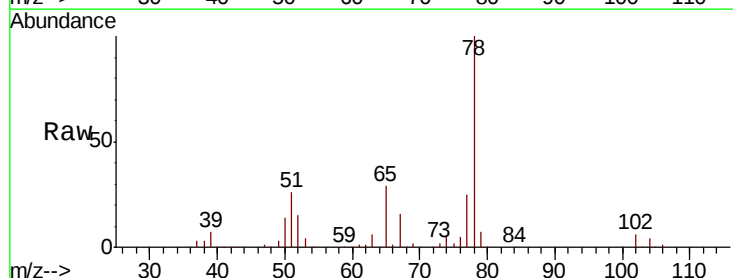
Manual Integrations  
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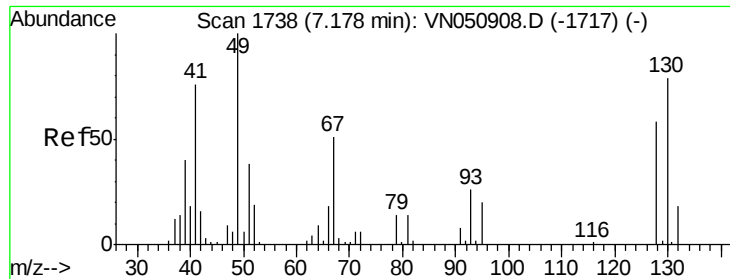
MMDadoda  
8/31/2018 11:32:25 AM



#34  
Benzene  
Concen: 19.05 ug/l  
RT: 8.04 min Scan# 2007  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.6  | 18.6  | 28.0  |
| 51      | 26.0  | 20.0  | 30.0  |





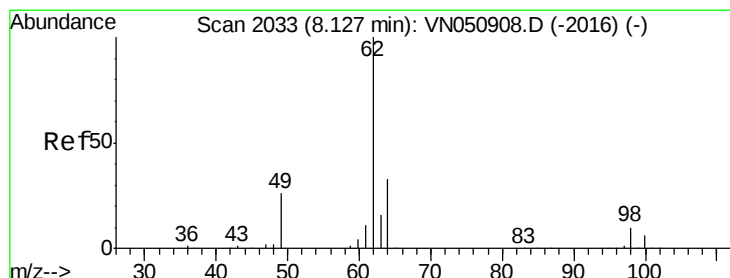
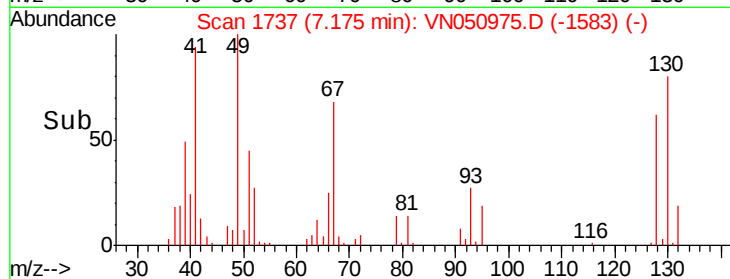
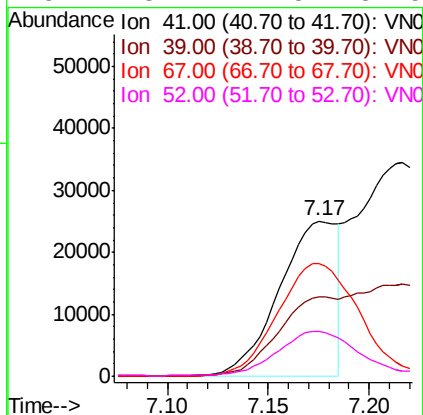
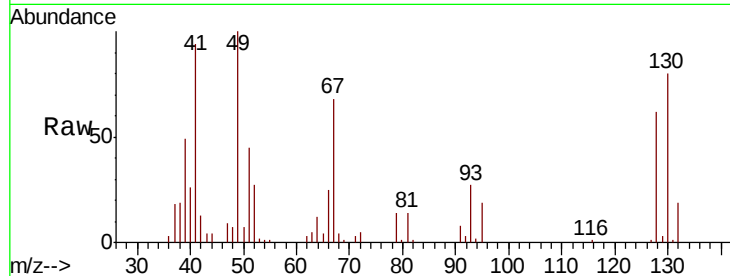
#35  
Methacrylonitrile  
Concen: 16.22 ug/l  
RT: 7.17 min Scan# 1737  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD02

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 51.5 | 26.2  | 78.5  |       |
| 67      | 72.6 | 33.9  | 101.6 |       |
| 52      | 28.1 | 12.5  | 37.5  |       |

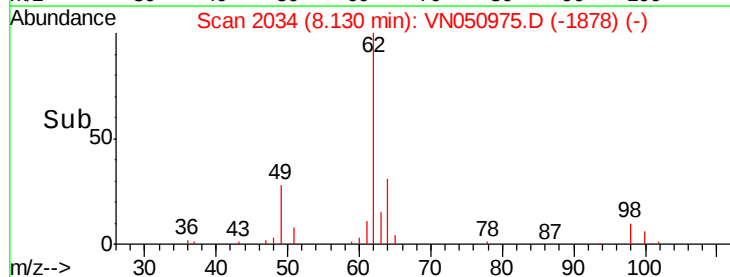
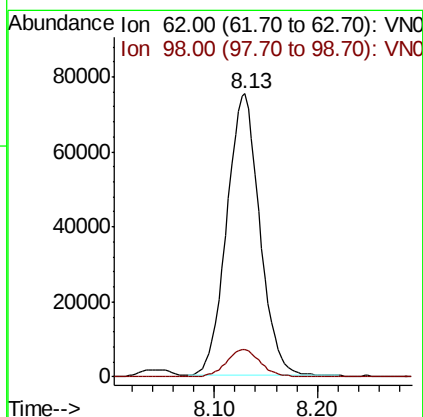
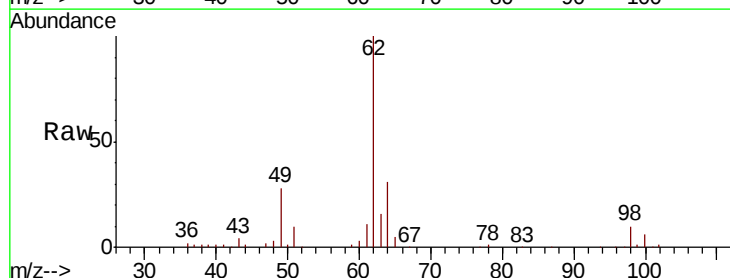
Manual Integrations  
APPROVED

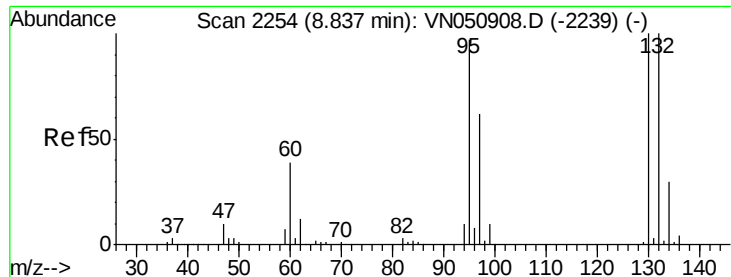
MMDadoda  
8/31/2018 11:32:25 AM



#36  
1,2-Dichloroethane  
Concen: 19.42 ug/l  
RT: 8.13 min Scan# 2034  
Delta R.T. 0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 62      | 100  |       |       |       |
| 98      | 10.0 | 8.0   | 12.0  |       |





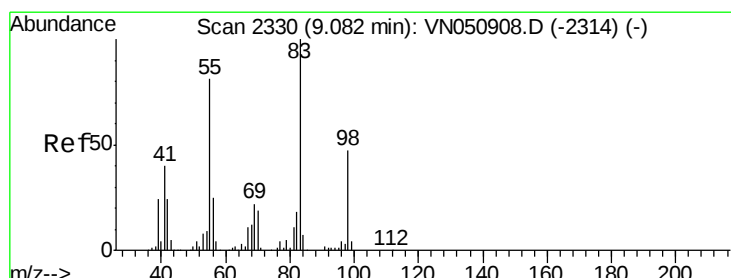
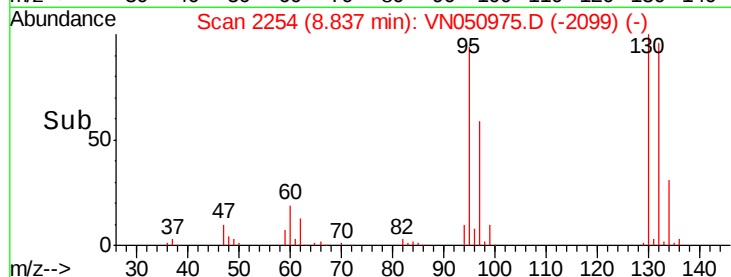
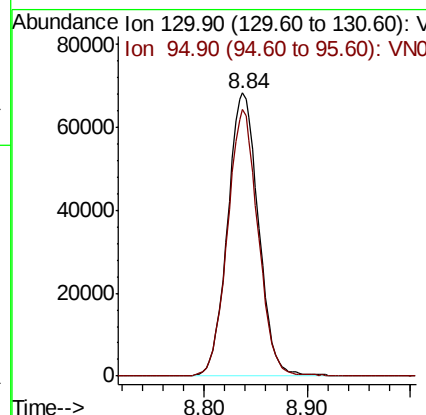
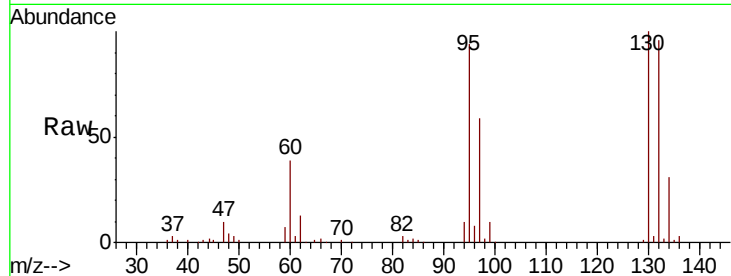
#37  
 Trichloroethene  
 Concen: 19.12 ug/l  
 RT: 8.84 min Scan# 2254  
 Delta R.T. -0.00 min  
 Lab File: VN050975.D  
 Acq: 30 Aug 2018 20:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD02

Tot Ion:130 Resp: 142426  
 Ion Ratio Lower Upper  
 130 100  
 95 94.4 77.4 116.0

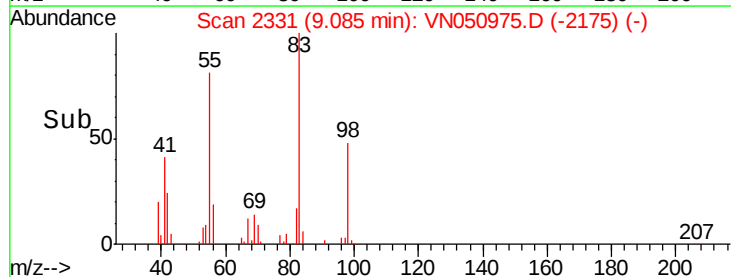
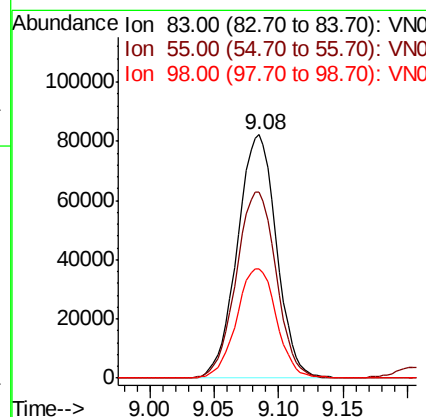
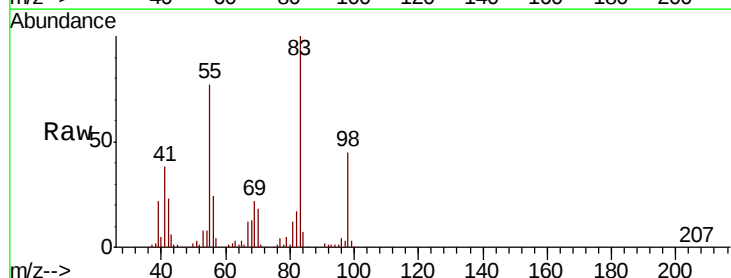
Manual Integrations  
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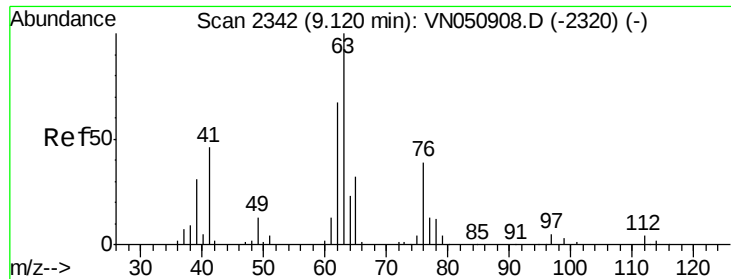
MMDadoda  
 8/31/2018 11:32:25 AM



#38  
 Methylcyclohexane  
 Concen: 17.55 ug/l  
 RT: 9.08 min Scan# 2331  
 Delta R.T. 0.00 min  
 Lab File: VN050975.D  
 Acq: 30 Aug 2018 20:48

Tgt Ion: 83 Resp: 173642  
 Ion Ratio Lower Upper  
 83 100  
 55 78.2 38.9 116.7  
 98 46.1 22.9 68.7





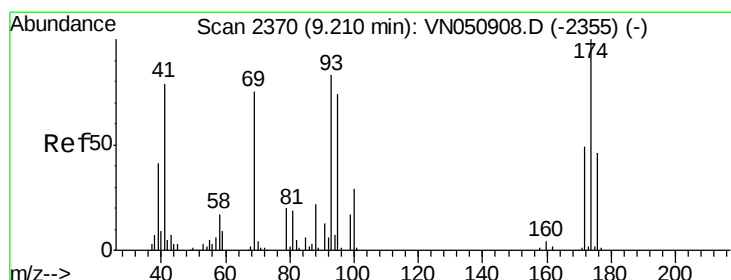
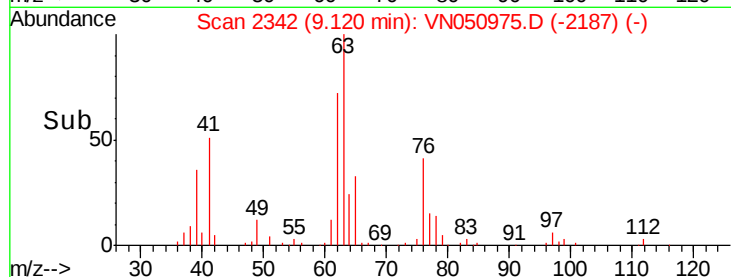
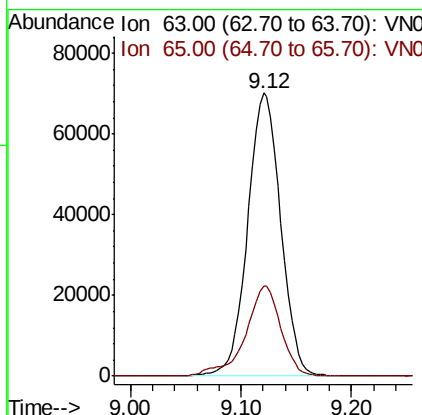
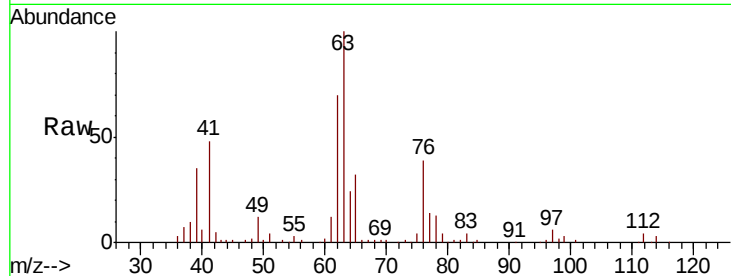
#39  
 1,2-Dichloropropane  
 Concen: 19.53 ug/l  
 RT: 9.12 min Scan# 2342  
 Delta R.T. -0.00 min  
 Lab File: VN050975.D  
 Acq: 30 Aug 2018 20:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD02

Tot Ion: 63 Resp: 145349  
 Ion Ratio Lower Upper  
 63 100  
 65 31.8 25.6 38.4

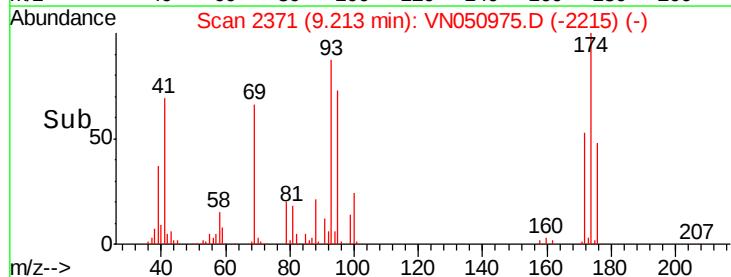
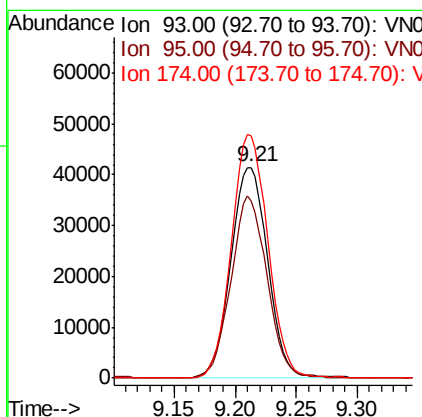
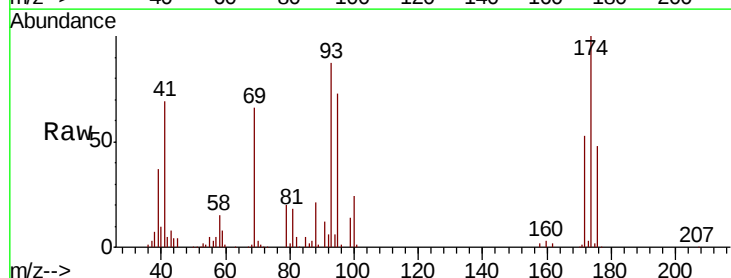
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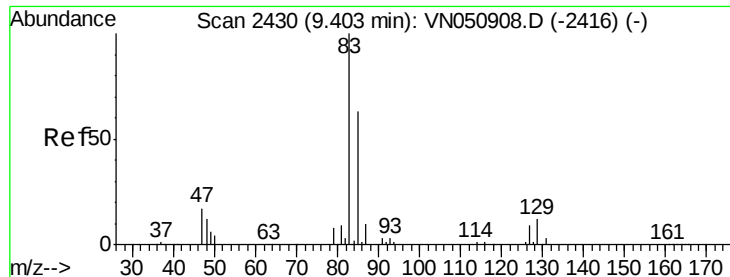
MMDadoda  
 8/31/2018 11:32:25 AM



#40  
 Dibromomethane  
 Concen: 19.43 ug/l  
 RT: 9.21 min Scan# 2371  
 Delta R.T. 0.00 min  
 Lab File: VN050975.D  
 Acq: 30 Aug 2018 20:48

Tgt Ion: 93 Resp: 87086  
 Ion Ratio Lower Upper  
 93 100  
 95 84.2 0.0 173.4  
 174 114.2 0.0 234.8





#41

Bromodichloromethane

Concen: 19.12 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA\_N

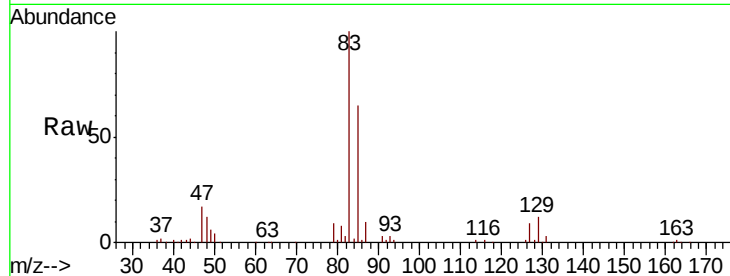
ClientSampleId :

VN0830WBSD02

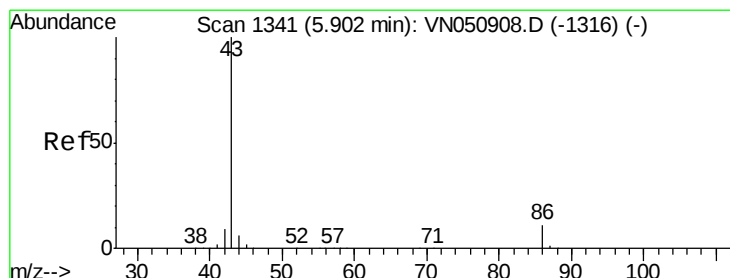
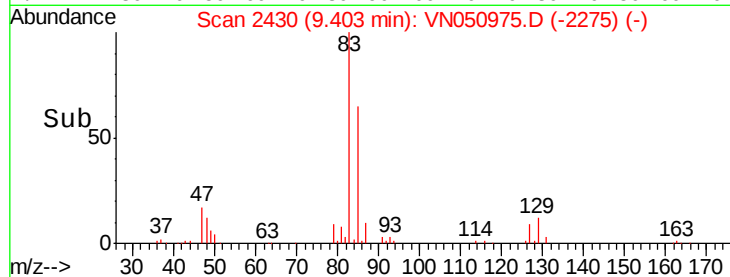
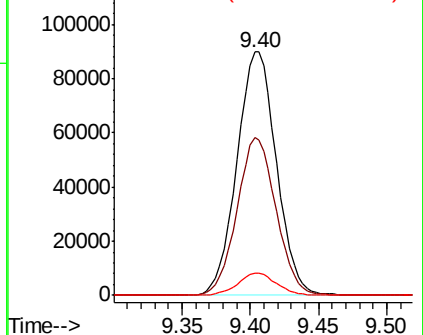
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 180675 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.9  | 50.6  | 76.0   |
| 127      | 9.0   | 7.1   | 10.7   |

Manual Integrations  
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MMDadoda  
8/31/2018 11:32:25 AM



Abundance Ion 83.00 (82.70 to 83.70): VN050975.D (-2275) (-)



#42

Vinyl Acetate

Concen: 90.03 ug/l

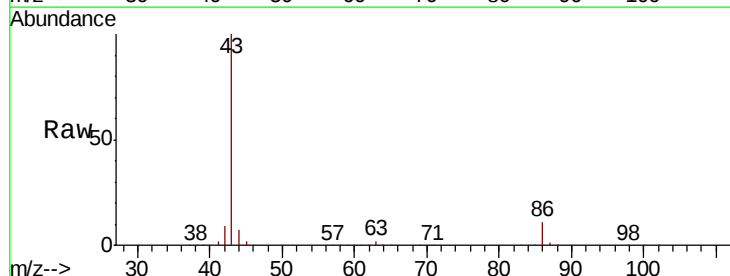
RT: 5.90 min Scan# 1341

Delta R.T. -0.00 min

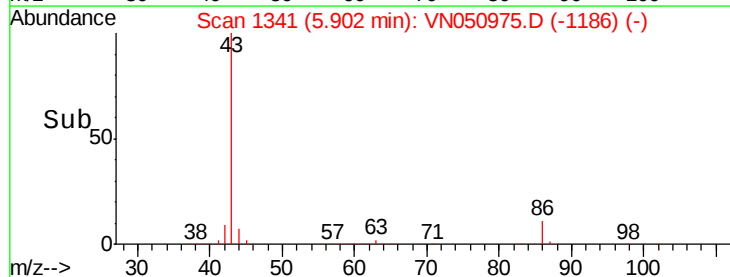
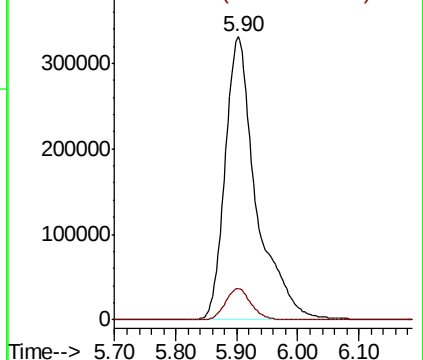
Lab File: VN050975.D

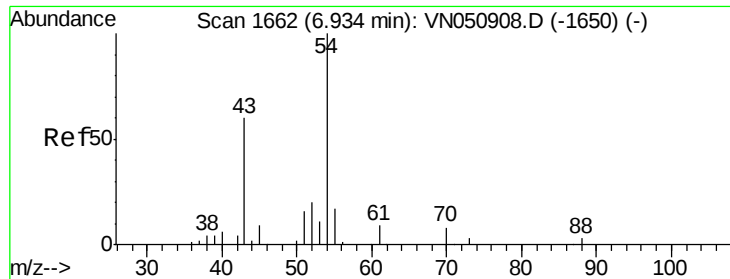
Acq: 30 Aug 2018 20:48

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 43    | Resp: | 1175045 |
| Ion      | Ratio | Lower | Upper   |
| 43       | 100   |       |         |
| 86       | 9.1   | 7.2   | 10.8    |



Abundance Ion 43.00 (42.70 to 43.70): VN050975.D (-1186) (-)





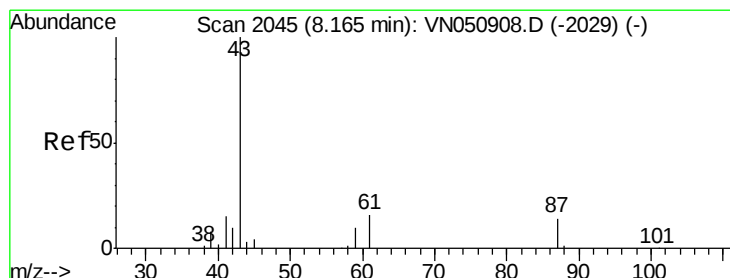
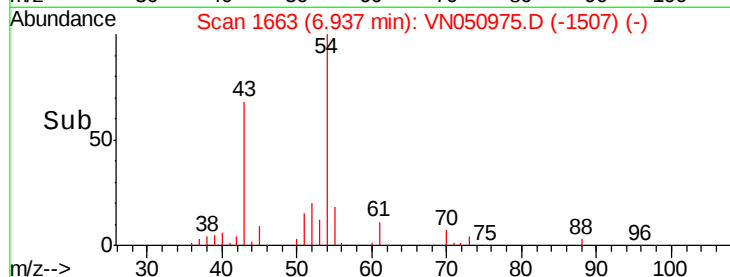
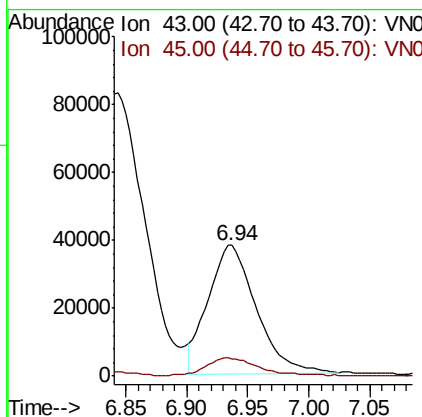
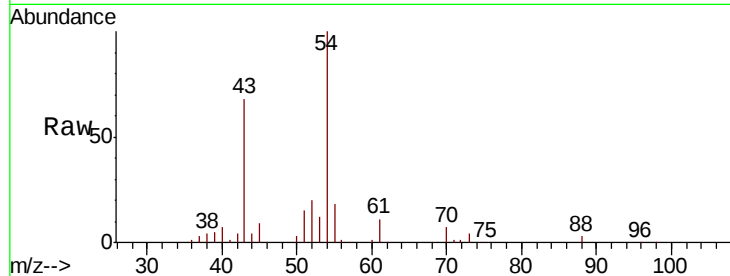
#43  
Ethyl Acetate  
Concen: 18.13 ug/l  
RT: 6.94 min Scan# 1663  
Delta R.T. 0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD02

| Tot Ion | 43  | 45   | Ratio | Lower | Upper |
|---------|-----|------|-------|-------|-------|
| 105253  | 100 | 13.3 |       | 10.2  | 15.2  |

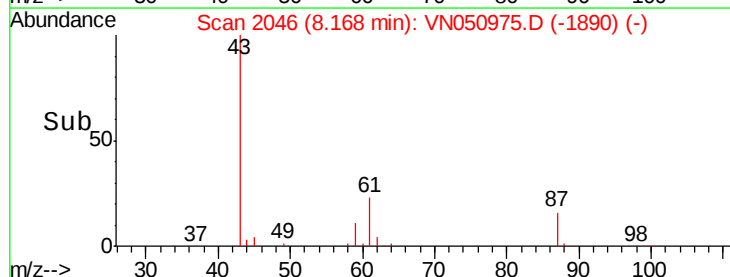
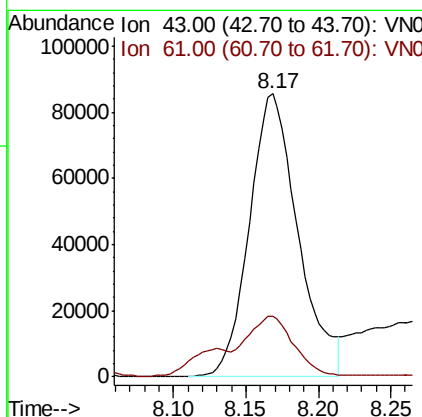
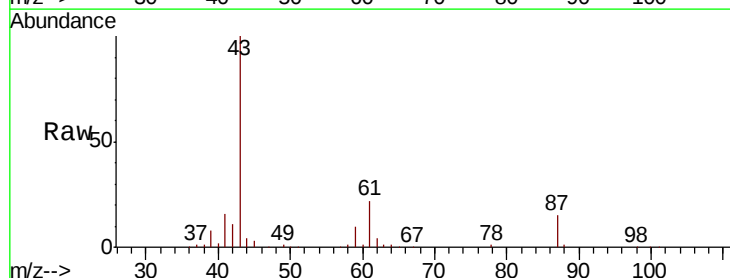
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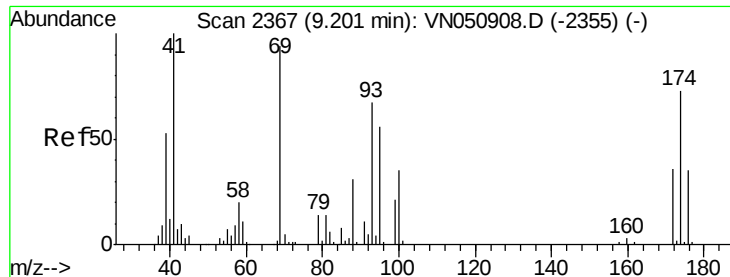
MMDadoda  
8/31/2018 11:32:25 AM



#44  
Isopropyl Acetate  
Concen: 19.46 ug/l  
RT: 8.17 min Scan# 2046  
Delta R.T. 0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

| Tgt Ion | 43  | 61   | Ratio | Lower | Upper |
|---------|-----|------|-------|-------|-------|
| 199282  | 100 | 20.6 |       | 16.3  | 24.5  |





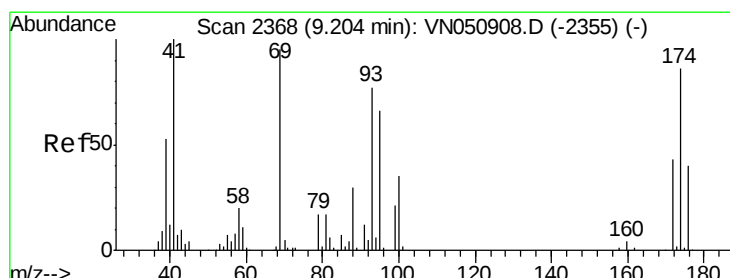
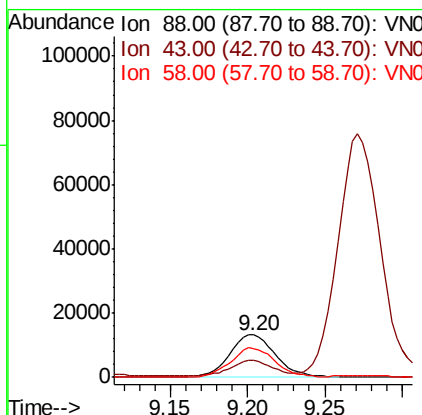
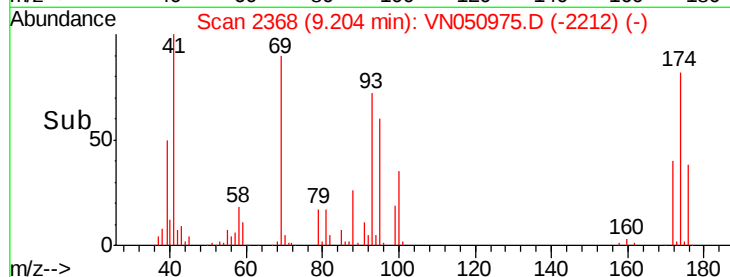
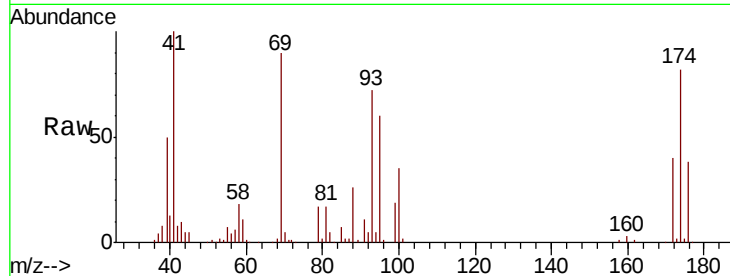
#45  
1,4-Dioxane  
Concen: 358.18 ug/l  
RT: 9.20 min Scan# 2368  
Delta R.T. 0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 29.5  | 23.5  | 35.3  |
| 58      | 67.8  | 55.2  | 82.8  |

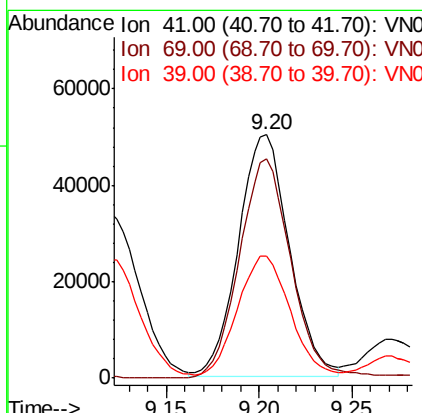
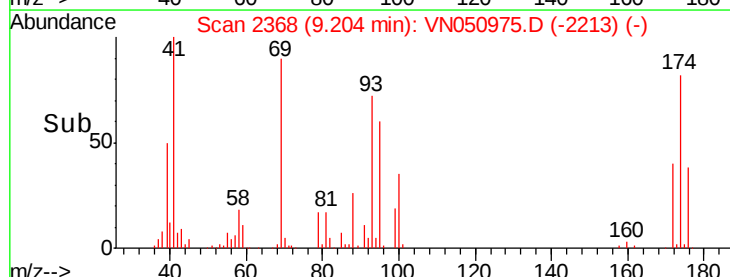
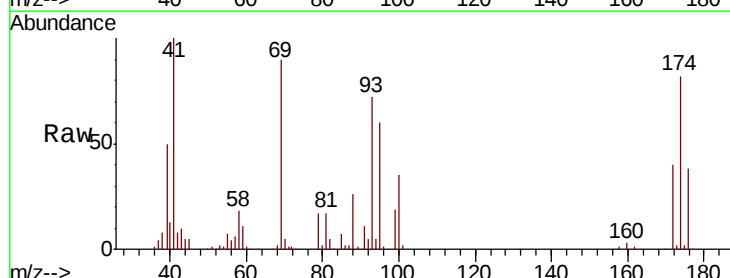
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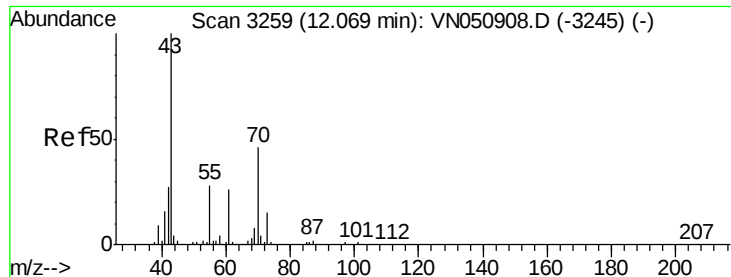
MMDadoda  
8/31/2018 11:32:25 AM



#46  
Methyl methacrylate  
Concen: 18.69 ug/l  
RT: 9.20 min Scan# 2368  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 91.5  | 47.4  | 142.2 |
| 39      | 49.7  | 26.6  | 79.7  |





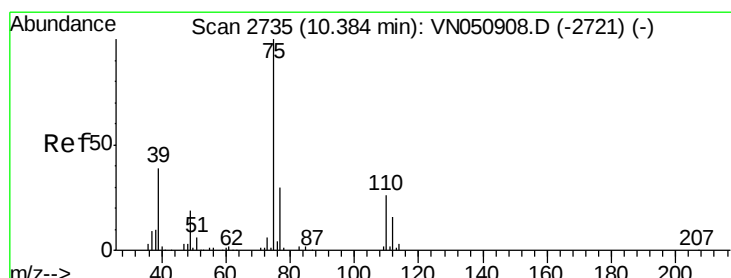
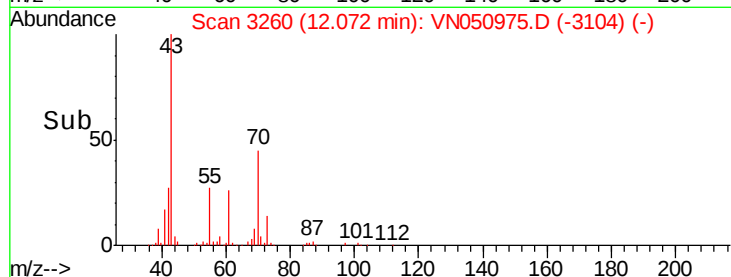
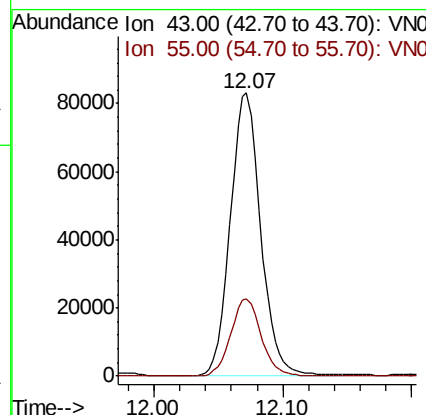
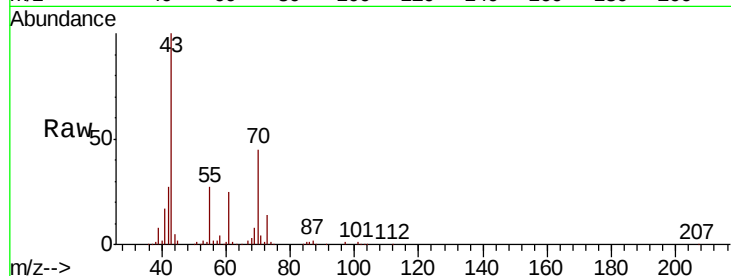
#47  
n-amvl Acetate  
Concen: 16.39 ug/l  
RT: 12.07 min Scan# 3260  
Delta R.T. 0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD02

Tot Ion: 43 Resp: 134968  
Ion Ratio Lower Upper  
43 100  
55 27.6 23.0 34.4

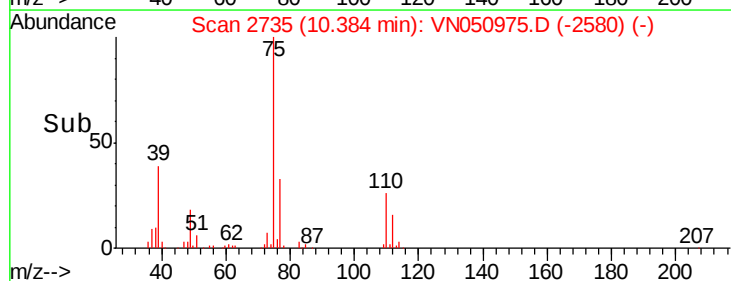
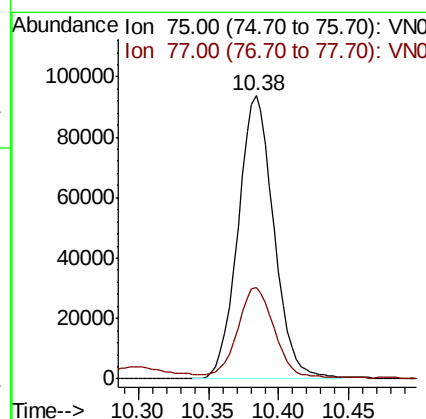
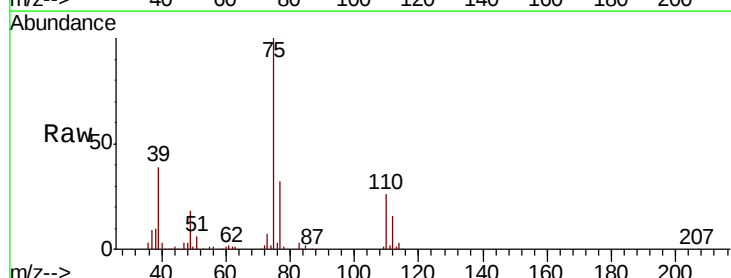
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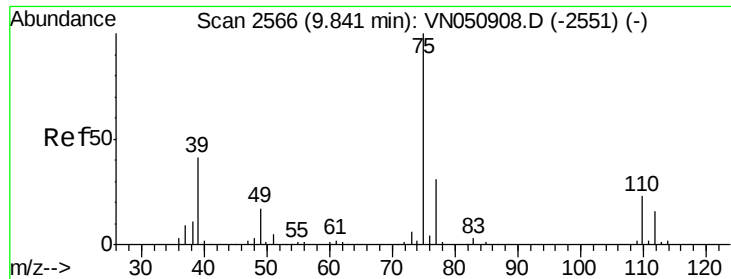
MMDadoda  
8/31/2018 11:32:25 AM



#48  
t-1,3-Dichloropropene  
Concen: 18.02 ug/l  
RT: 10.38 min Scan# 2735  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

Tgt Ion: 75 Resp: 166906  
Ion Ratio Lower Upper  
75 100  
77 31.8 24.8 37.2





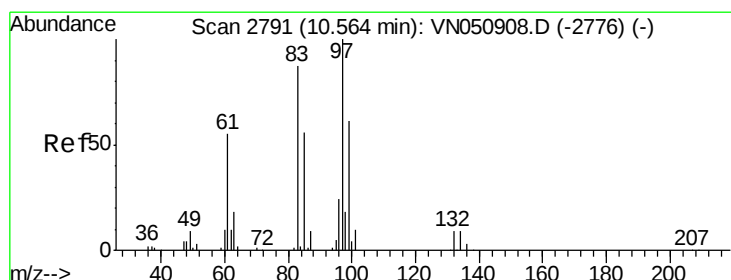
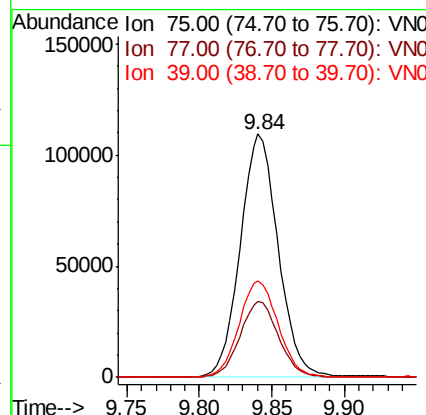
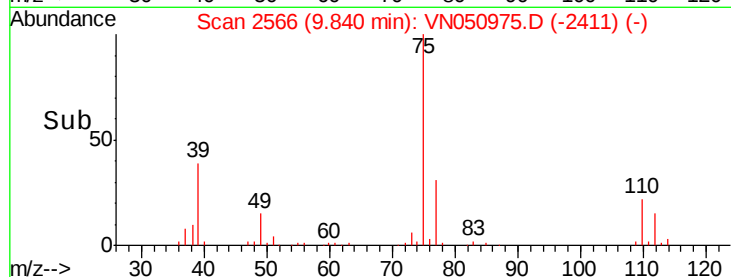
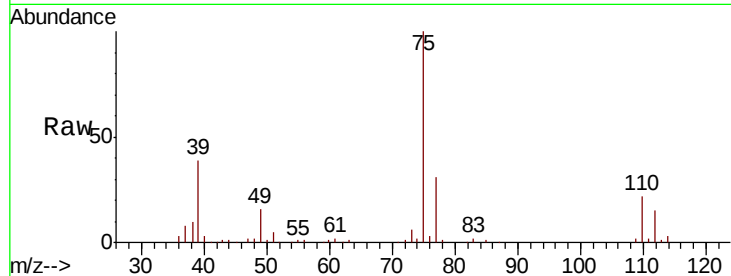
#49  
 cis-1,3-Dichloropropene  
 Concen: 18.74 ug/l  
 RT: 9.84 min Scan# 2566  
 Delta R.T. -0.00 min  
 Lab File: VN050975.D  
 Acq: 30 Aug 2018 20:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 75    | Resp: | 199352 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 31.3  | 25.0  | 37.4   |
| 39        | 39.4  | 32.9  | 49.3   |

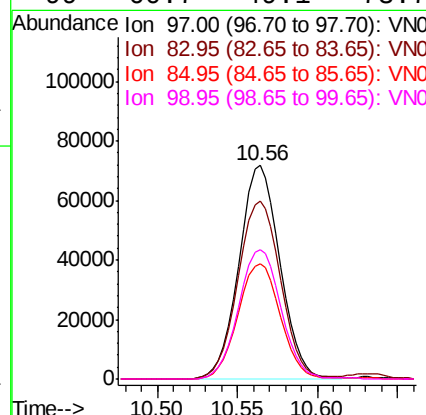
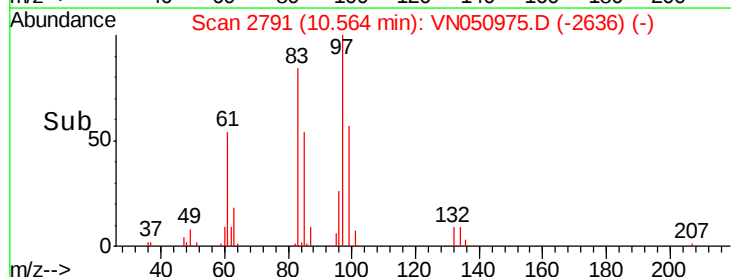
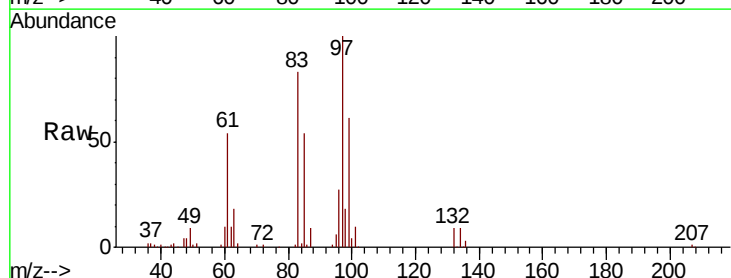
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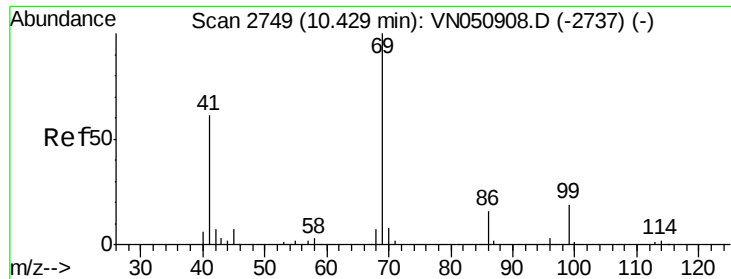
MMDadoda  
 8/31/2018 11:32:25 AM



#50  
 1,1,2-Trichloroethane  
 Concen: 19.30 ug/l  
 RT: 10.56 min Scan# 2791  
 Delta R.T. -0.00 min  
 Lab File: VN050975.D  
 Acq: 30 Aug 2018 20:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 125678 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 83        | 83.3  | 69.8  | 104.6  |
| 85        | 54.1  | 45.0  | 67.6   |
| 99        | 60.7  | 49.1  | 73.7   |





#51

Ethyl methacrylate

Concen: 17.45 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA\_N

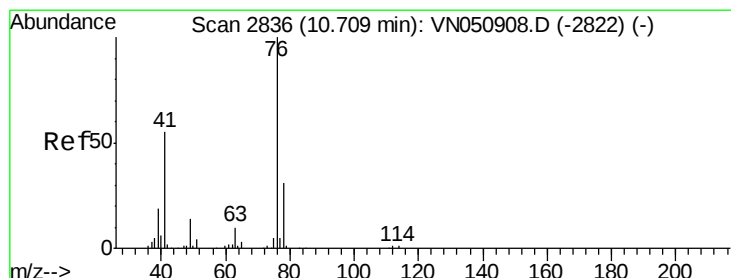
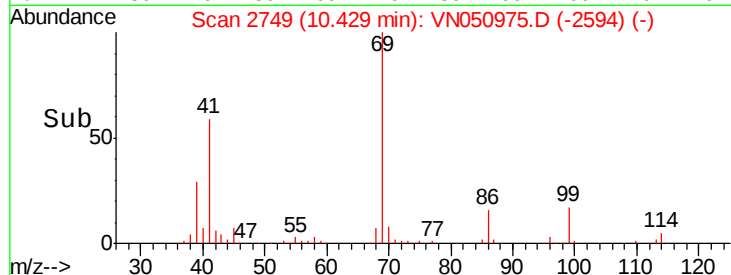
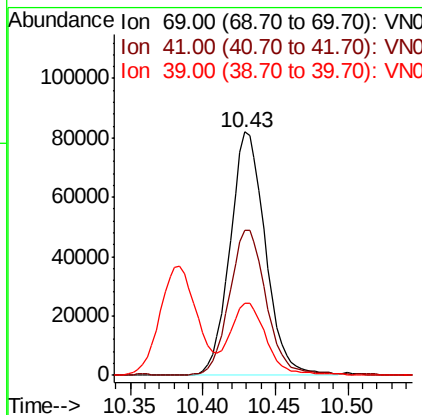
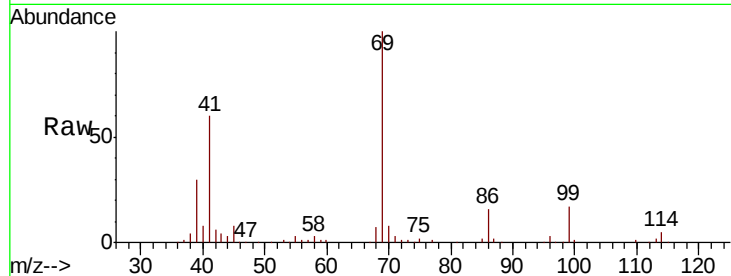
ClientSampleId :

VN0830WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 69    | Resp: | 139073 |
| Ion Ratio | Lower | Upper |        |
| 69        | 100   |       |        |
| 41        | 59.1  | 30.5  | 91.5   |
| 39        | 29.3  | 15.3  | 45.8   |

Manual Integrations  
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MMDadoda  
8/31/2018 11:32:25 AM



#52

1,3-Dichloropropane

Concen: 19.16 ug/l

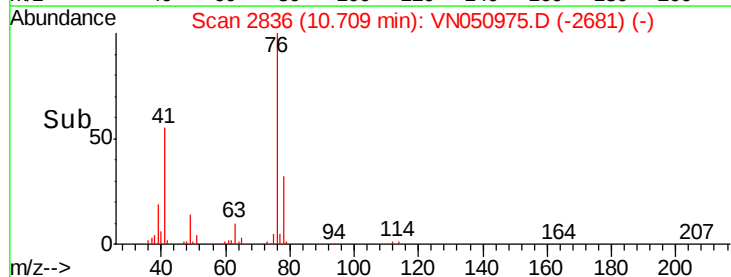
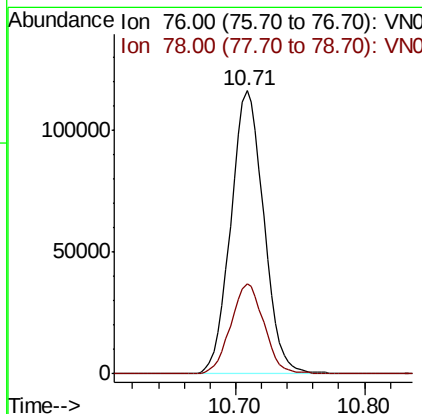
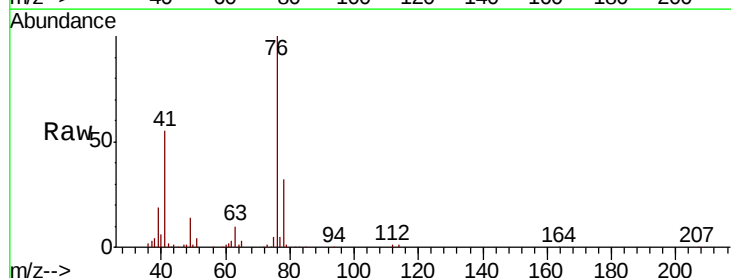
RT: 10.71 min Scan# 2836

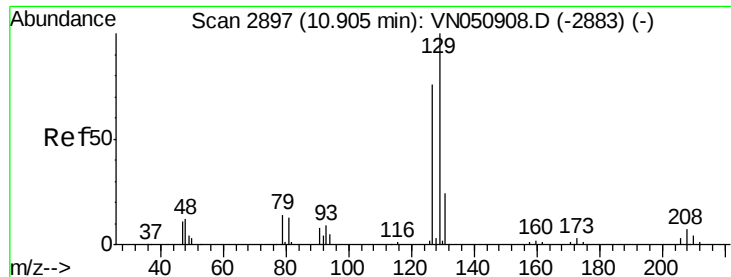
Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 76    | Resp: | 206714 |
| Ion Ratio | Lower | Upper |        |
| 76        | 100   |       |        |
| 78        | 32.2  | 0.0   | 63.4   |





#53

Dibromochloromethane

Concen: 18.81 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA\_N

ClientSampleId :

VN0830WBSD02

Tot Ion:129 Resp: 139308

Ion Ratio Lower Upper

129 100

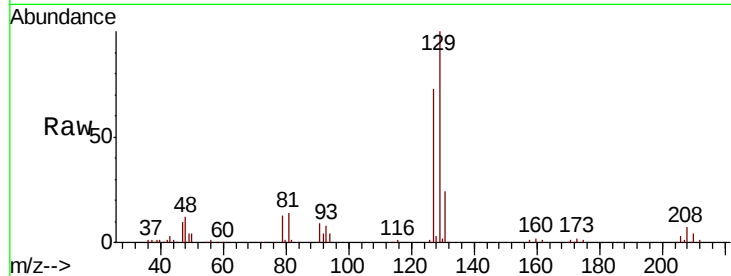
127 75.6 39.0 116.9

Manual Integrations

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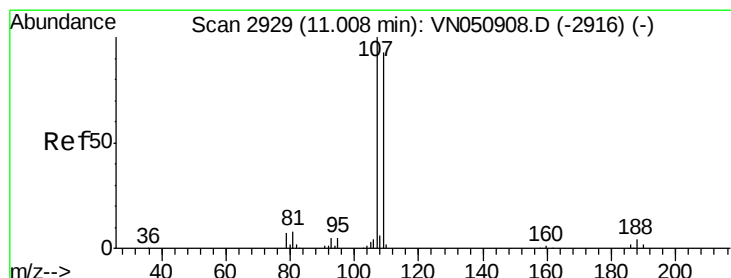
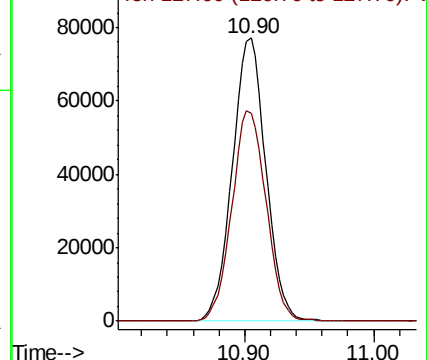
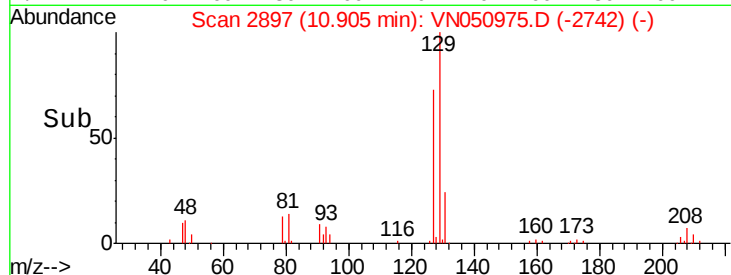
MMDadoda

8/31/2018 11:32:25 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.50 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050975.D

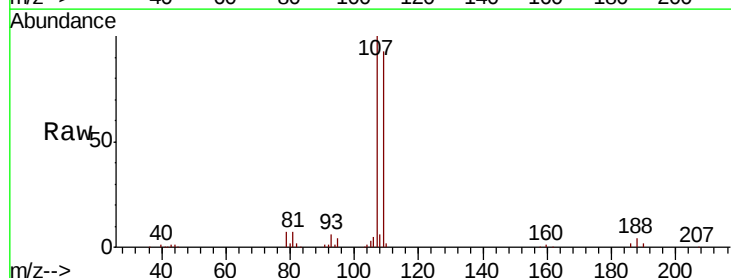
Acq: 30 Aug 2018 20:48

Tgt Ion:107 Resp: 119123

Ion Ratio Lower Upper

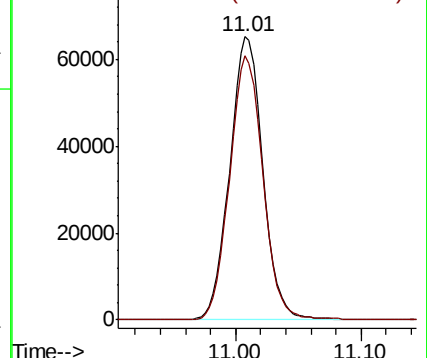
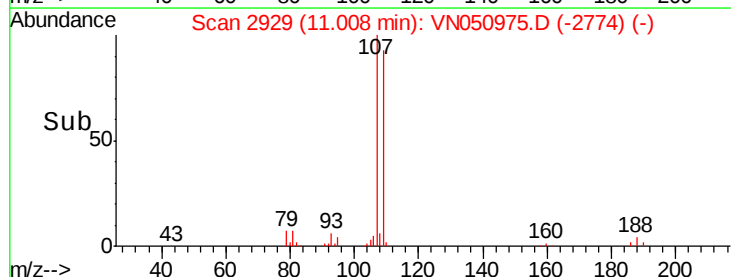
107 100

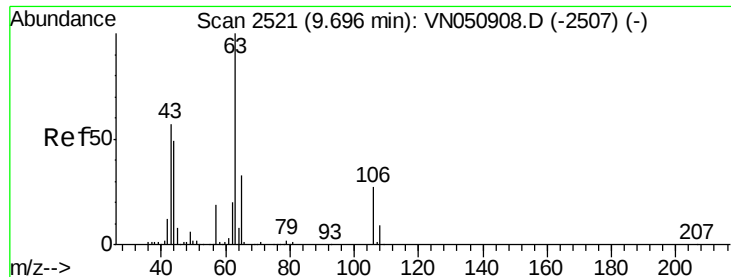
109 94.2 74.4 111.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





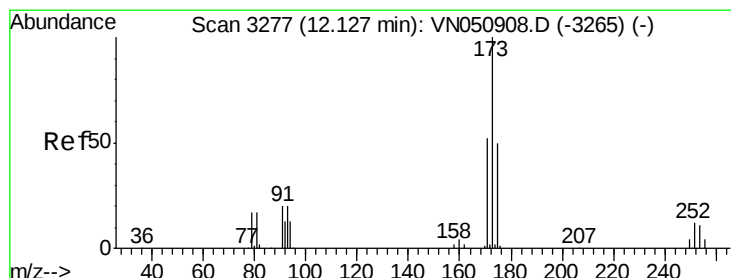
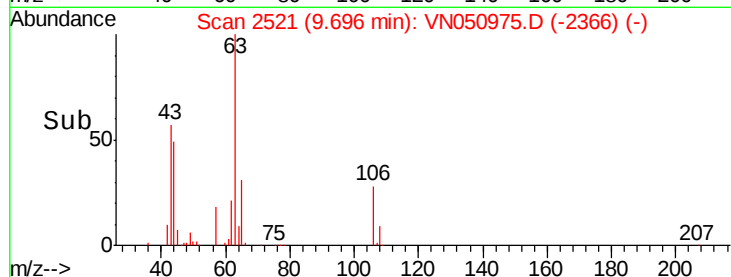
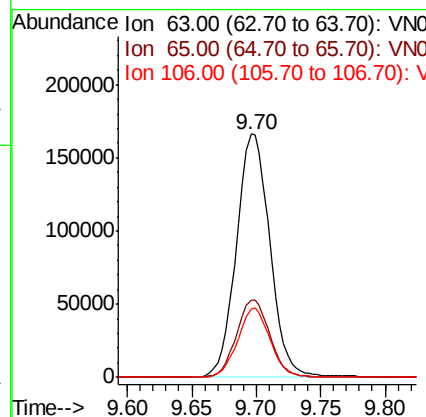
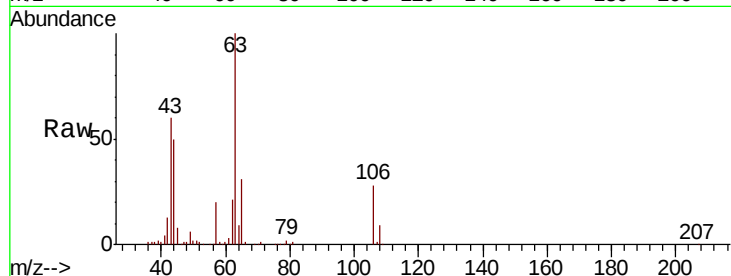
#55  
2-Chloroethyl vinyl ether  
Concen: 90.66 ug/l  
RT: 9.70 min Scan# 2521  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.7  | 25.4  | 38.2  |
| 106     | 27.6  | 22.0  | 33.0  |

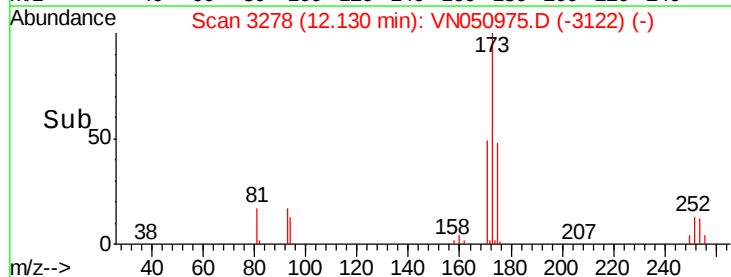
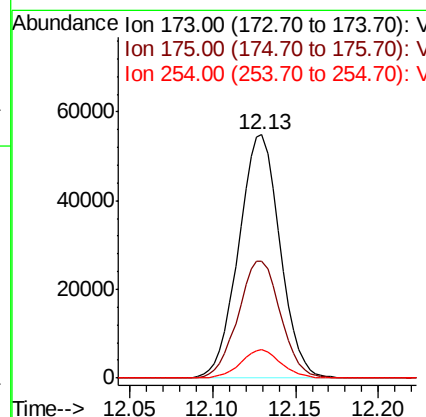
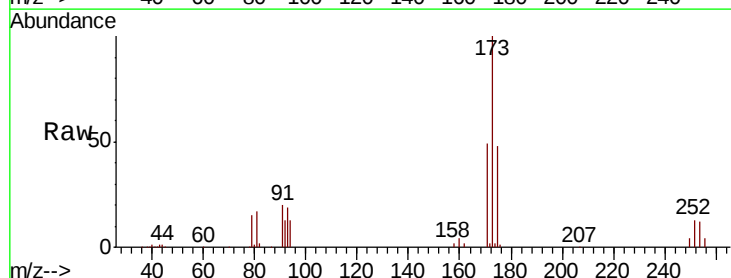
Manual Integrations  
APPROVED

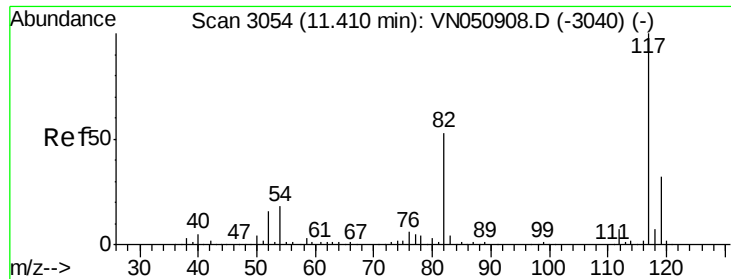
MMDadoda  
8/31/2018 11:32:25 AM



#56  
Bromoform  
Concen: 18.08 ug/l  
RT: 12.13 min Scan# 3278  
Delta R.T. 0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.3  | 39.2  | 58.8  |
| 254     | 11.3  | 9.0   | 13.6  |





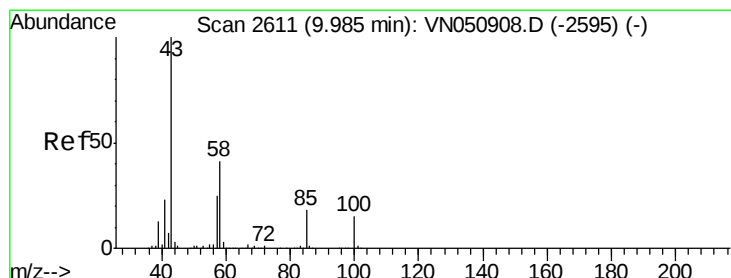
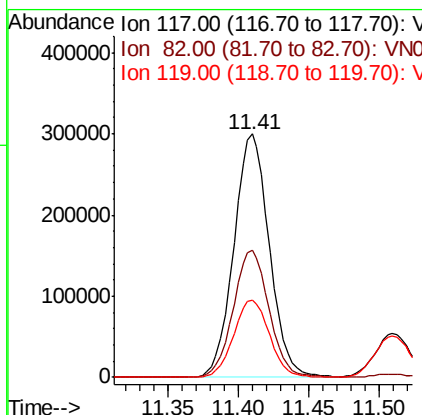
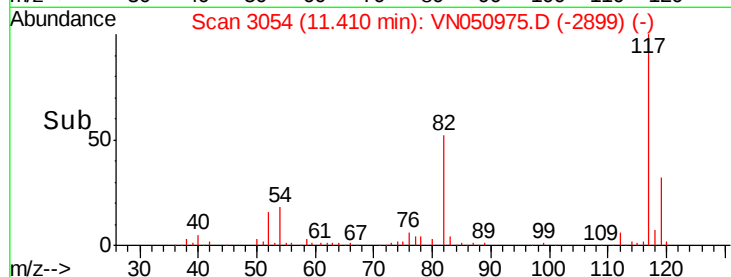
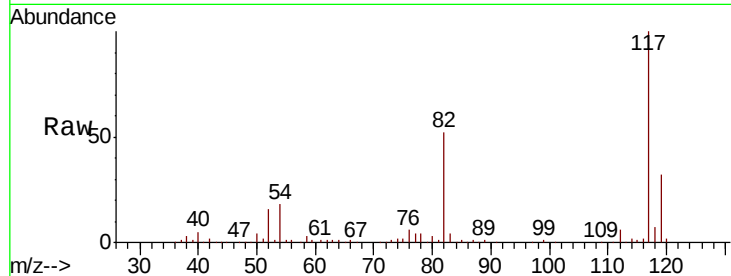
#57  
Chlorobenzene-d5  
Concen: 30.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.7  | 42.6  | 64.0  |
| 119     | 32.4  | 25.7  | 38.5  |

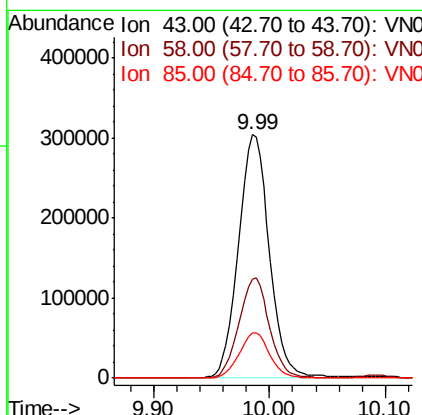
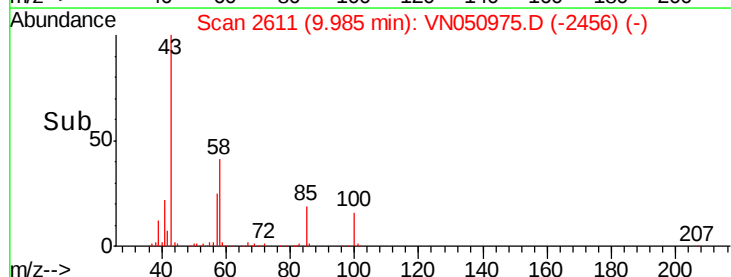
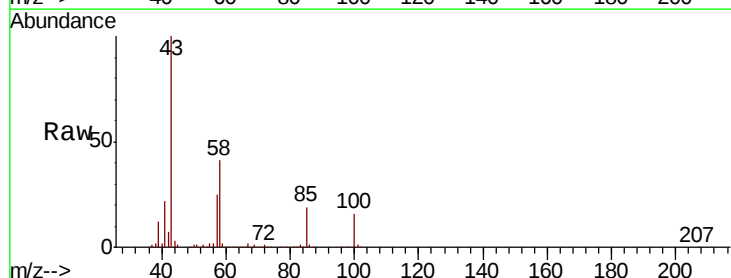
Manual Integrations  
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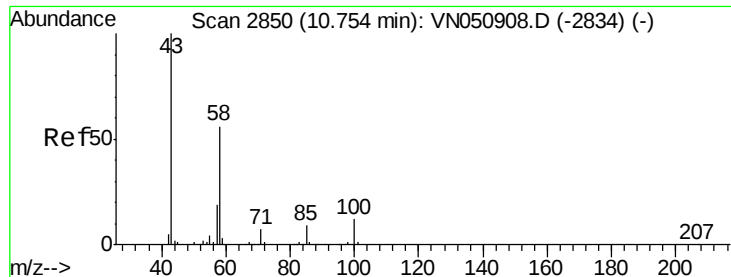
MMDadoda  
8/31/2018 11:32:25 AM



#58  
4-Methyl-2-Pentanone  
Concen: 92.84 ug/l  
RT: 9.99 min Scan# 2611  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 40.9  | 32.3  | 48.5  |
| 85      | 18.5  | 14.9  | 22.3  |





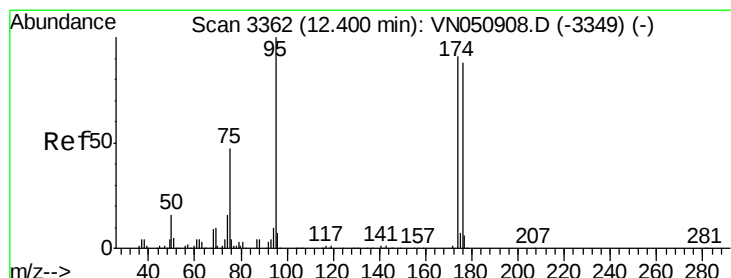
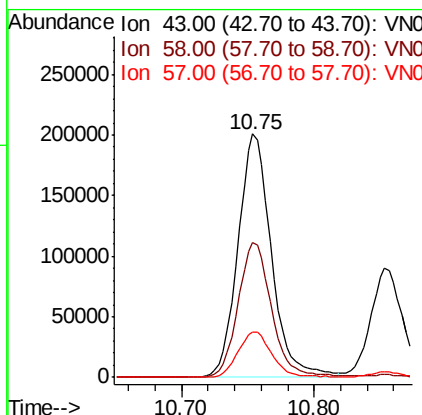
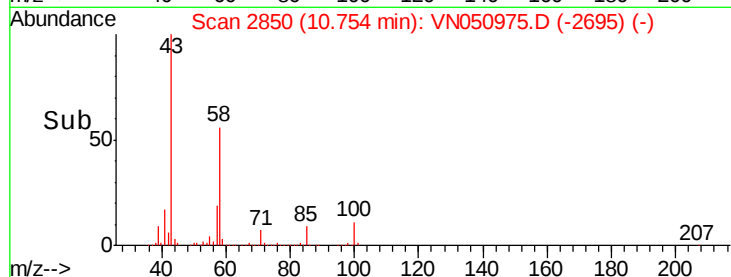
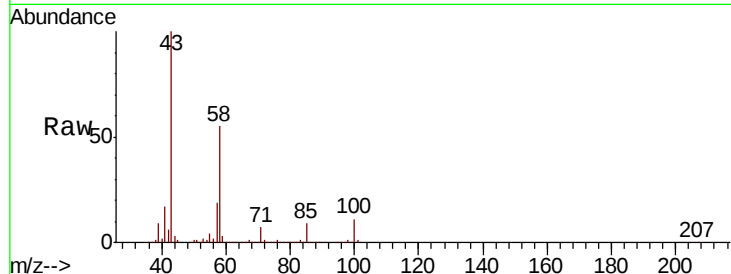
#59  
2-Hexanone  
Concen: 88.81 ug/l  
RT: 10.75 min Scan# 2850  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0830WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 55.8  | 45.5  | 68.3  |
| 57      | 19.1  | 15.2  | 22.8  |

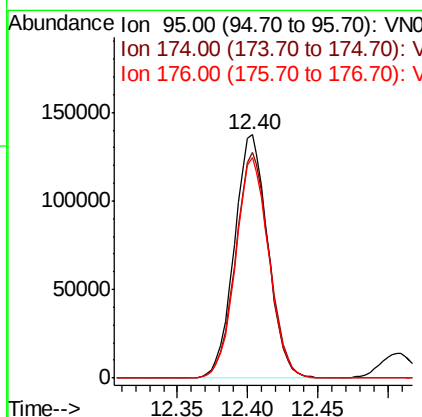
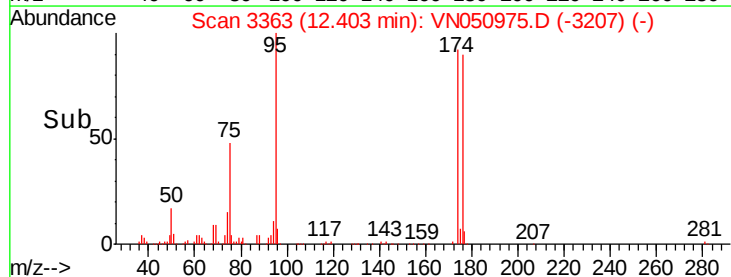
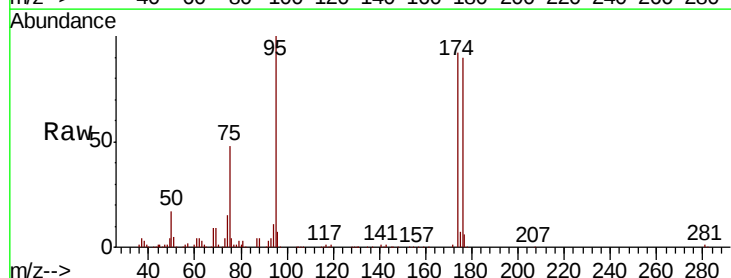
Manual Integrations  
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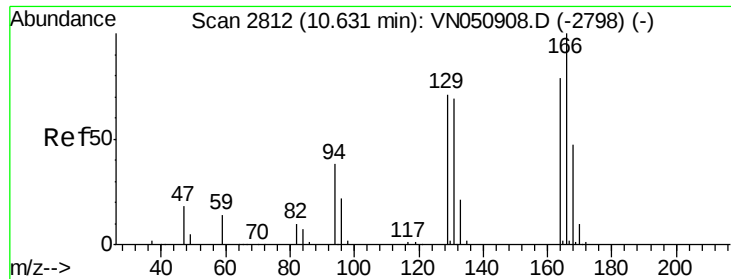
MMDadoda  
8/31/2018 11:32:25 AM



#60  
4-Bromofluorobenzene  
Concen: 29.13 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 92.9  | 74.6  | 112.0 |
| 176     | 90.0  | 71.5  | 107.3 |





#61

Tetrachloroethene

Concen: 19.51 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA\_N

ClientSampleId :

VN0830WBSD02

Tot Ion:164 Resp: 128322

Ion Ratio Lower Upper

164 100

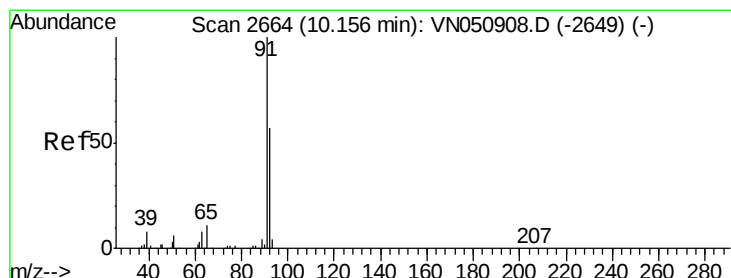
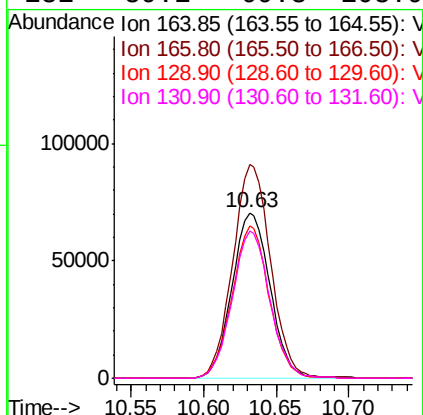
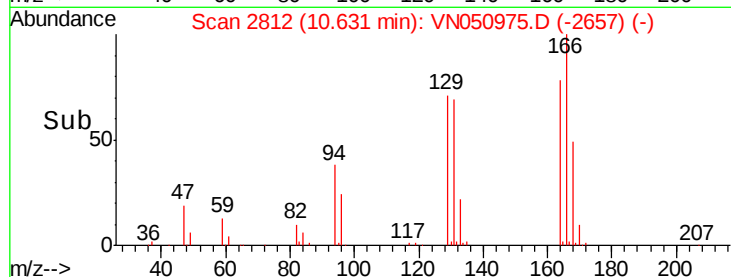
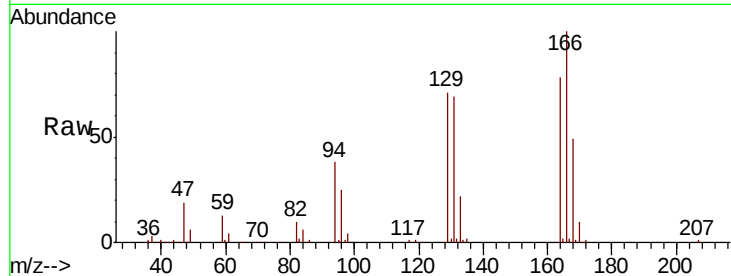
166 128.9 100.6 151.0

129 91.8 71.0 106.6

131 89.1 69.3 103.9

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8/31/2018 11:32:25 AM



#62

Toluene

Concen: 19.48 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050975.D

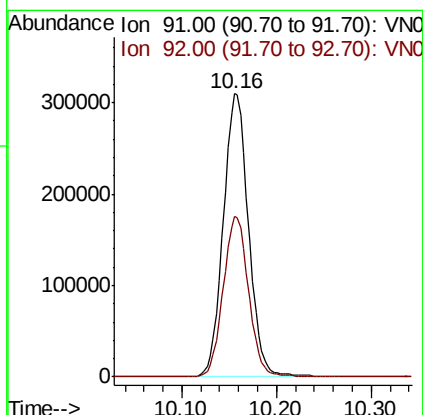
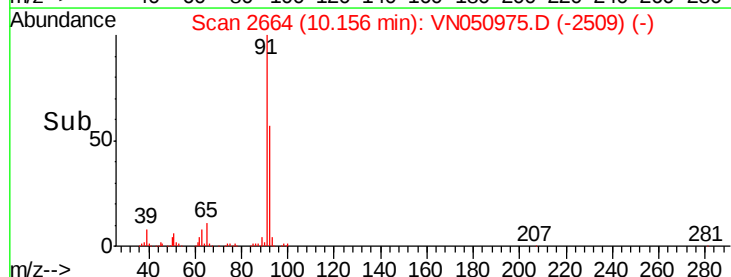
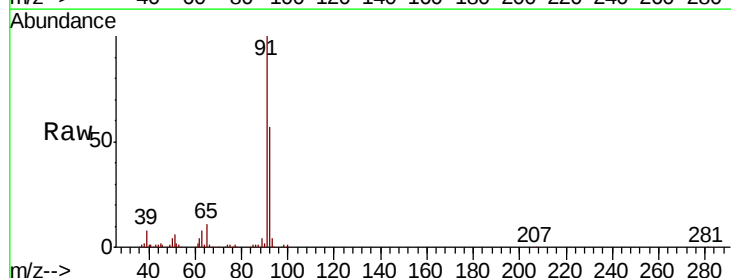
Acq: 30 Aug 2018 20:48

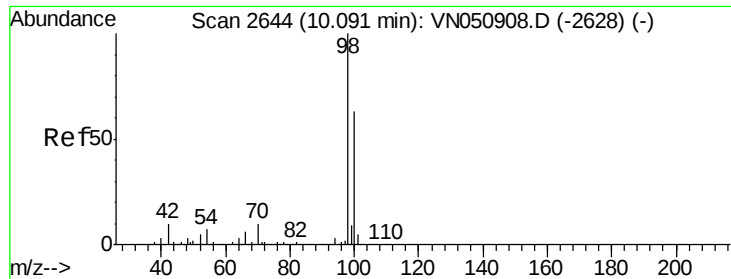
Tgt Ion: 91 Resp: 573682

Ion Ratio Lower Upper

91 100

92 56.9 45.8 68.8





#63

Toluene-d8

Concen: 31.19 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA\_N

ClientSampleId :

VN0830WBSD02

Tot Ion: 98 Resp: 767652

Ion Ratio Lower Upper

98 100

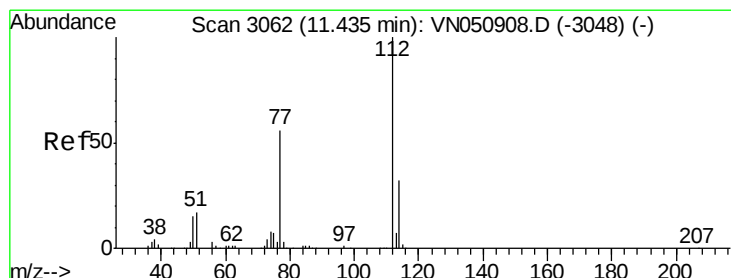
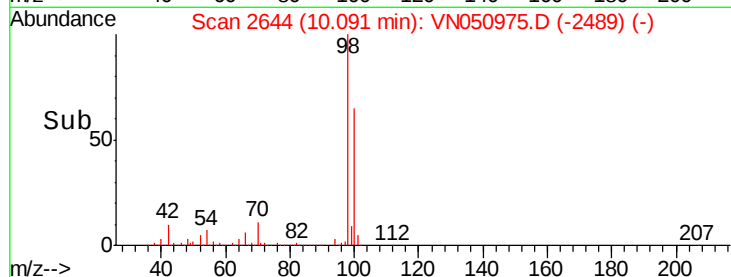
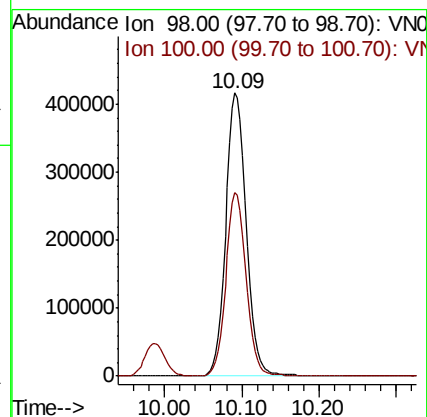
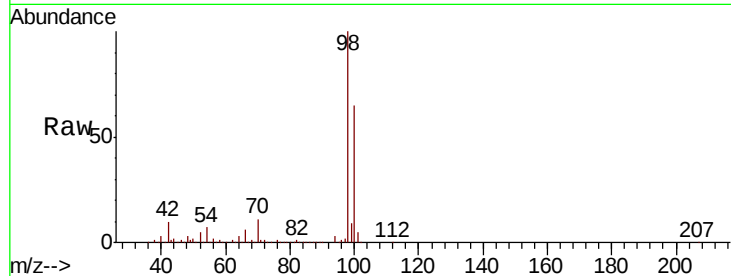
100 64.2 50.6 75.8

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#64

Chlorobenzene

Concen: 19.20 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050975.D

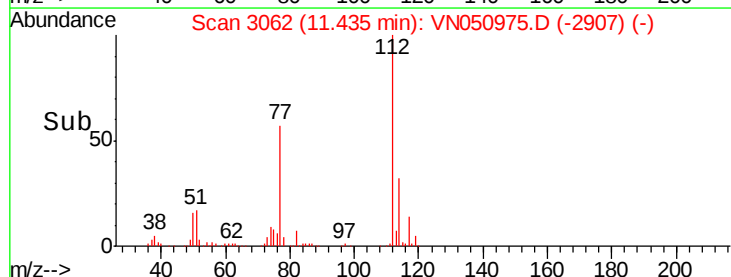
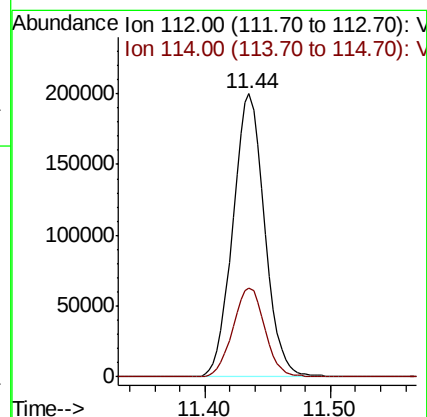
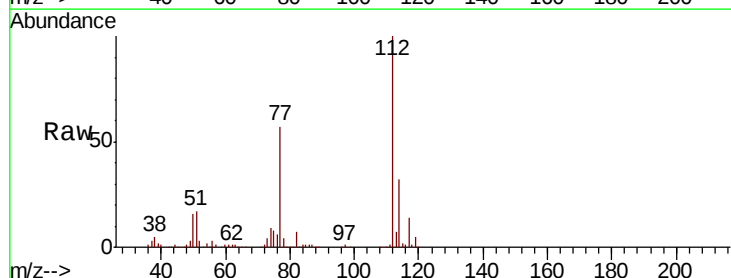
Acq: 30 Aug 2018 20:48

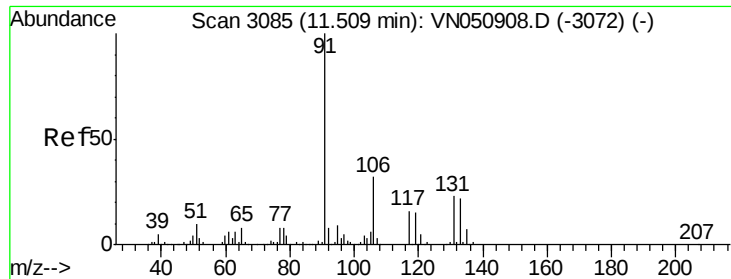
Tgt Ion: 112 Resp: 350427

Ion Ratio Lower Upper

112 100

114 31.6 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.82 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA\_N

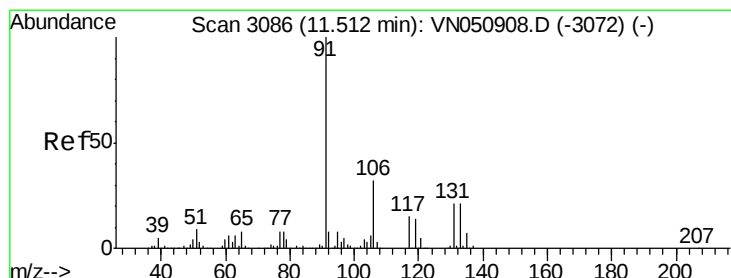
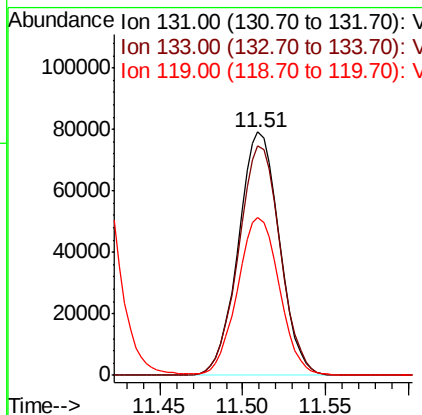
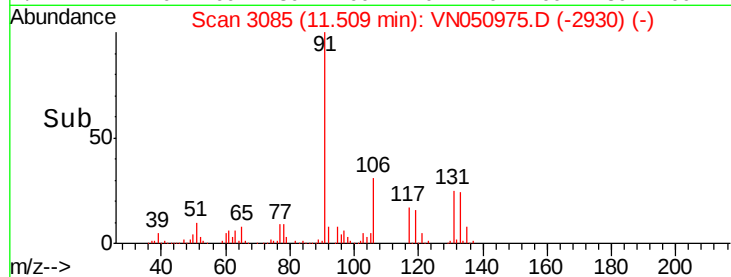
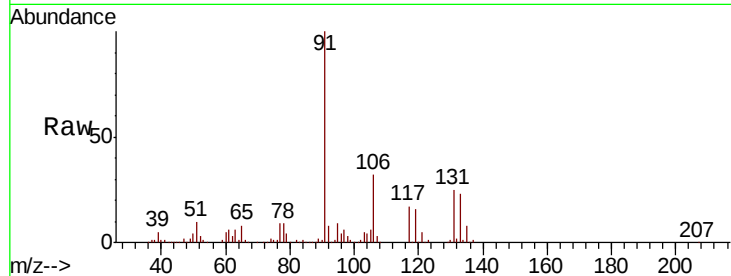
ClientSampleId :

VN0830WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 131     | 100   | 136523 |       |       |
| 133     | 96.1  | 0.0    | 189.4 |       |
| 119     | 66.3  | 0.0    | 132.2 |       |

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#66

Ethyl Benzene

Concen: 18.30 ug/l

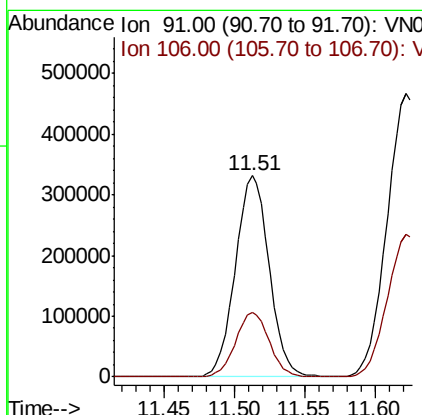
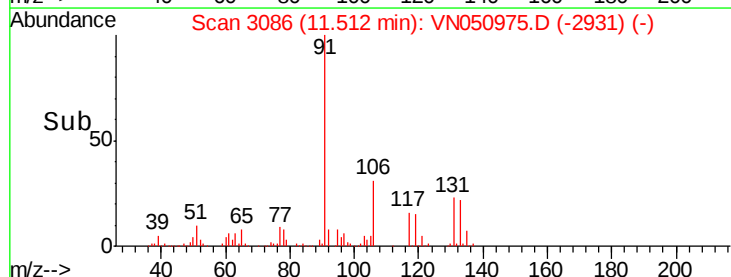
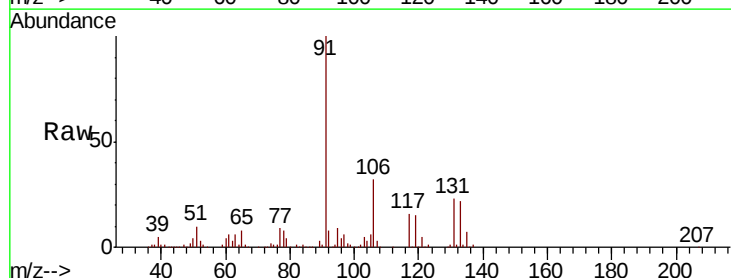
RT: 11.51 min Scan# 3086

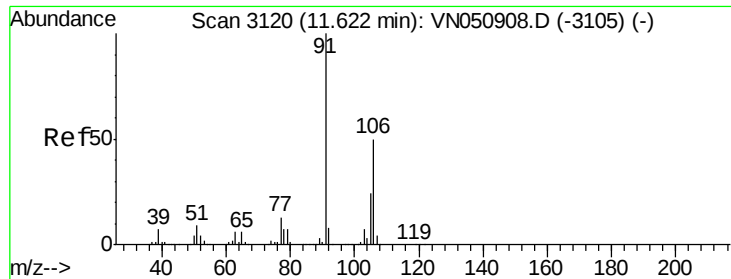
Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 558127 |       |       |
| 106     | 32.0  | 25.7   | 38.5  |       |





#67

m/p-Xylenes

Concen: 38.14 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA\_N

ClientSampleId :

VN0830WBSD02

Tot Ion:106 Resp: 447564

Ion Ratio Lower Upper

106 100

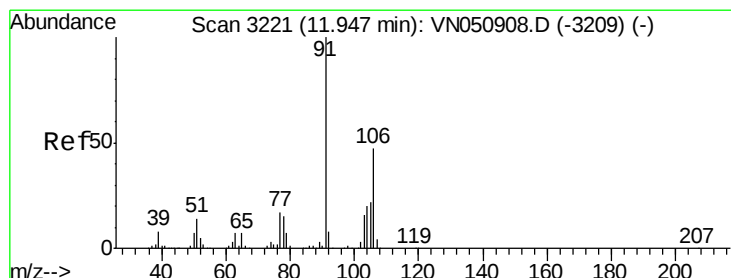
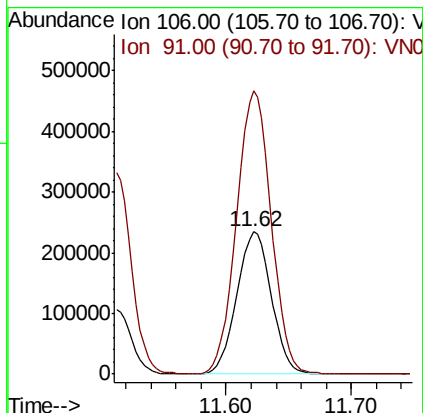
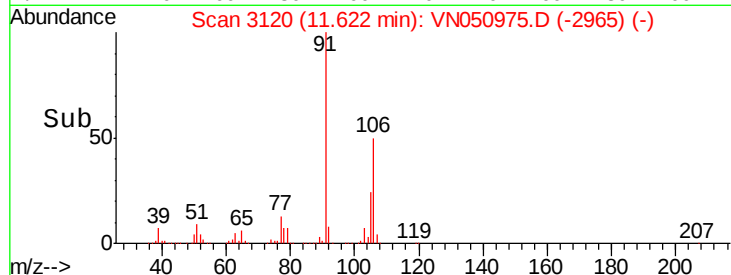
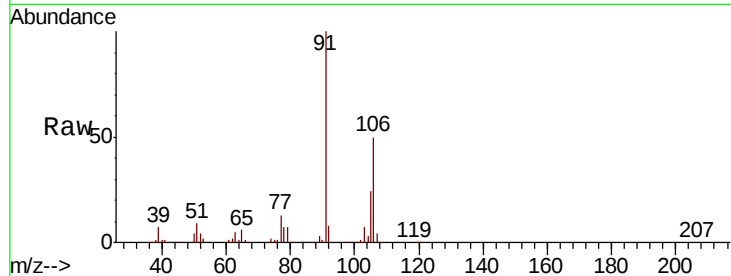
91 199.9 160.6 241.0

Manual Integrations

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#68

o-Xylene

Concen: 18.85 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050975.D

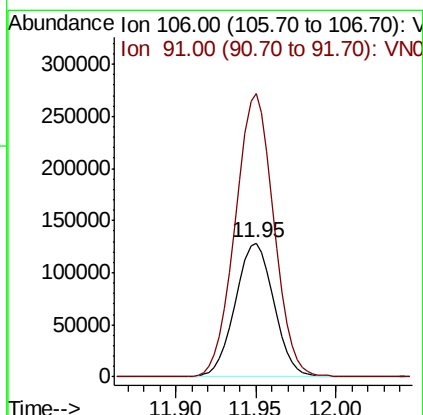
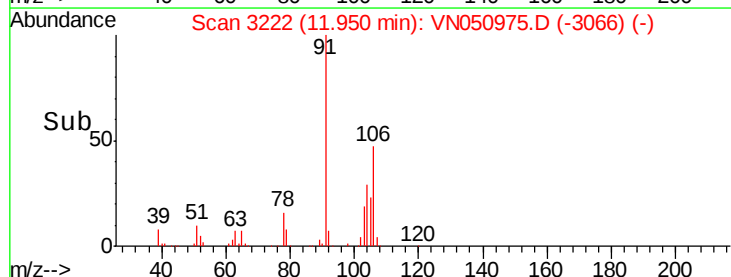
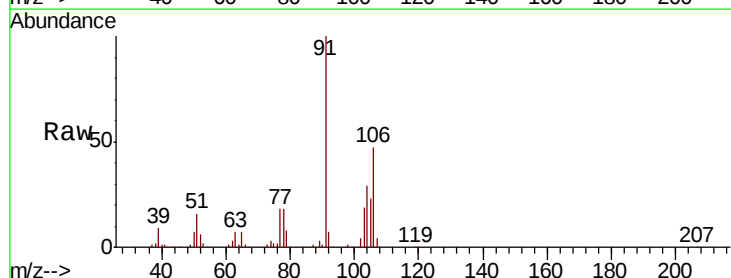
Acq: 30 Aug 2018 20:48

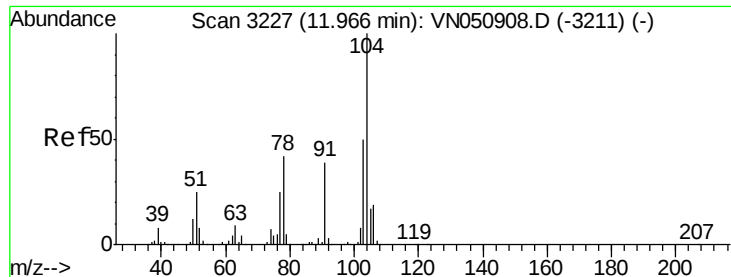
Tgt Ion:106 Resp: 211362

Ion Ratio Lower Upper

106 100

91 211.4 106.4 319.2





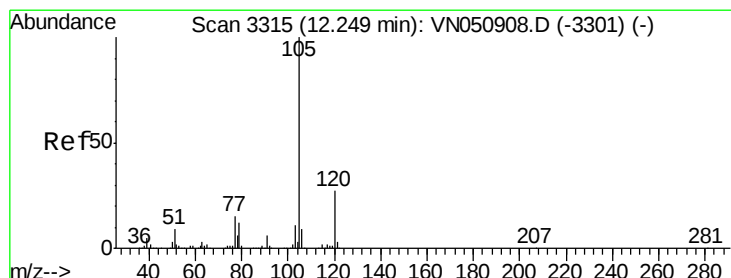
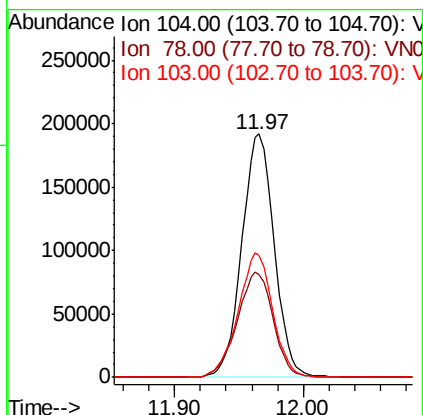
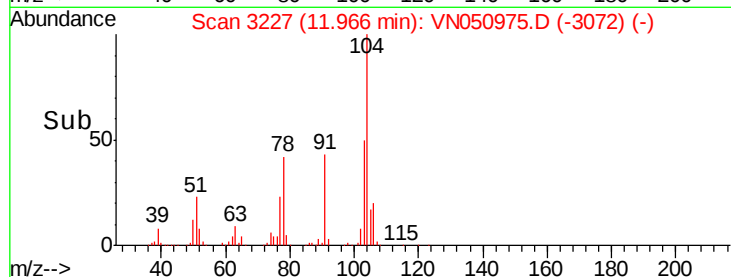
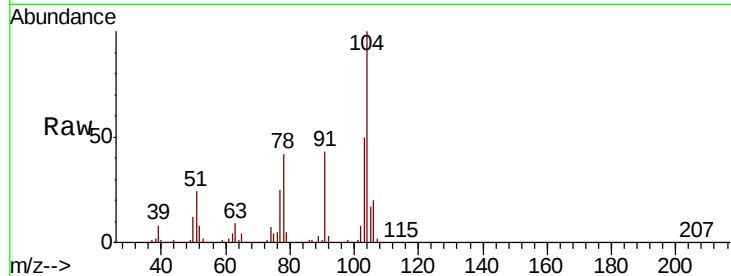
#69  
Stvrene  
Concen: 18.86 ug/l  
RT: 11.97 min Scan# 3227  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 104     | 100   | 336143 |       |       |
| 78      | 48.0  |        | 38.6  | 58.0  |
| 103     | 54.4  |        | 45.4  | 68.2  |

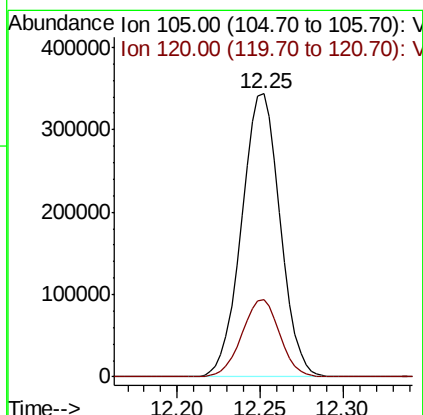
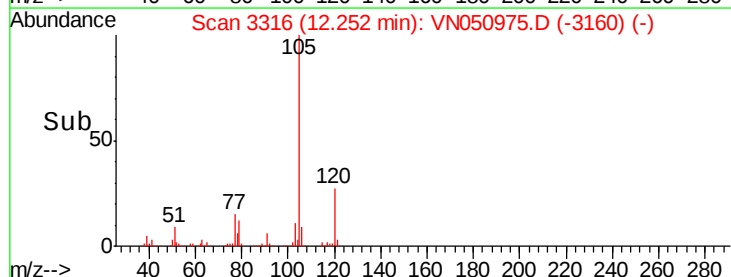
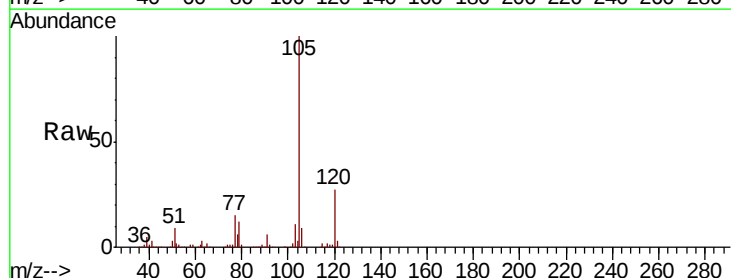
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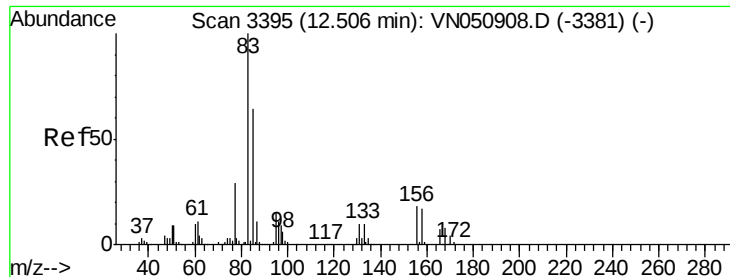
MMDadoda  
8/31/2018 11:32:25 AM



#70  
Isopropylbenzene  
Concen: 18.66 ug/l  
RT: 12.25 min Scan# 3316  
Delta R.T. 0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 556076 |       |       |
| 120     | 27.0  |        | 18.6  | 34.6  |





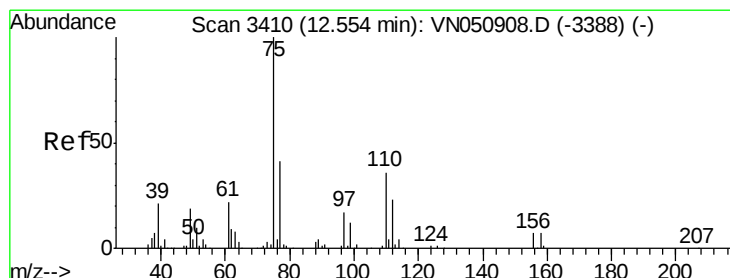
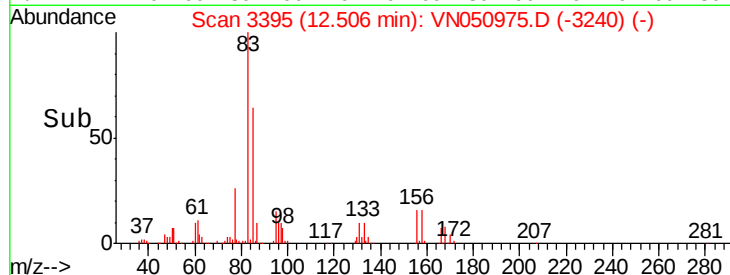
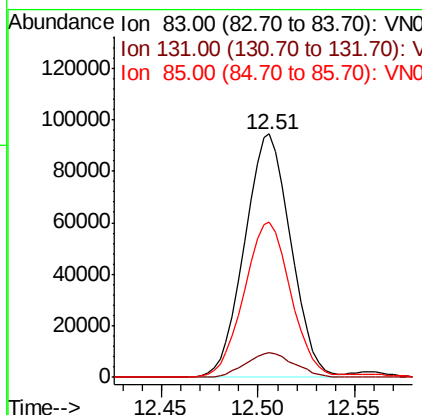
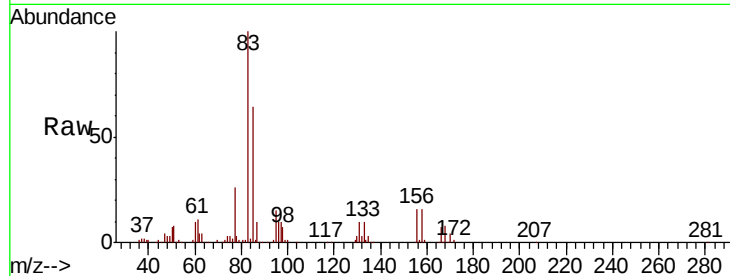
#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 19.47 ug/l  
 RT: 12.51 min Scan# 3395  
 Delta R.T. -0.00 min  
 Lab File: VN050975.D  
 Acq: 30 Aug 2018 20:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 131     | 10.6  | 5.3   | 15.9  |
| 85      | 64.4  | 32.3  | 96.9  |

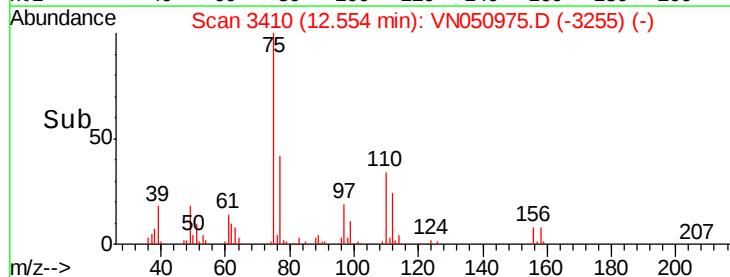
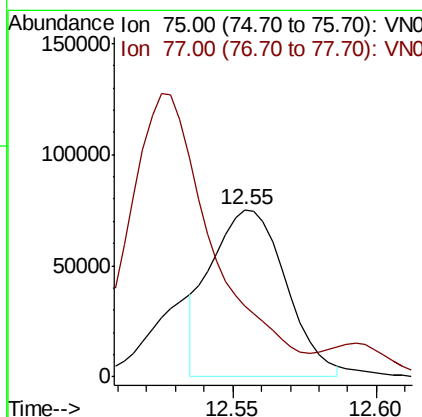
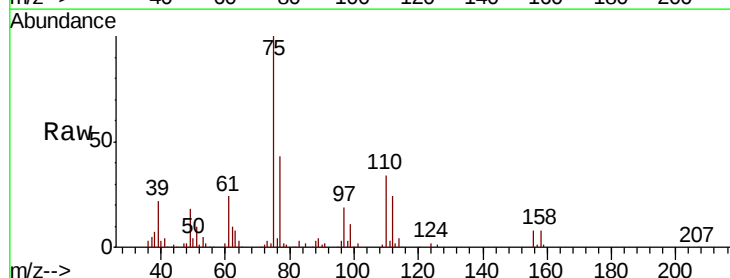
Manual Integrations  
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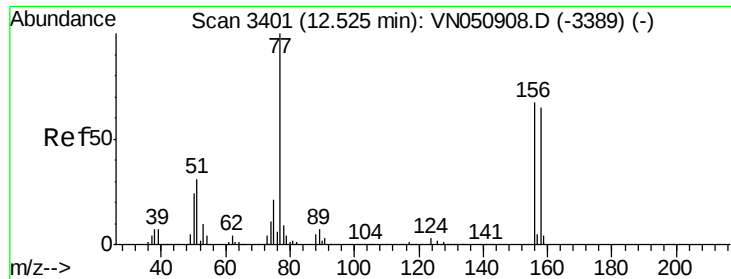
MMDadoda  
 8/31/2018 11:32:25 AM



#72  
 1,2,3-Trichloropropane  
 Concen: 19.56 ug/l m  
 RT: 12.55 min Scan# 3410  
 Delta R.T. -0.00 min  
 Lab File: VN050975.D  
 Acq: 30 Aug 2018 20:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 192.3 | 0.0   | 301.6 |





#73

Bromobenzene

Concen: 18.45 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA\_N

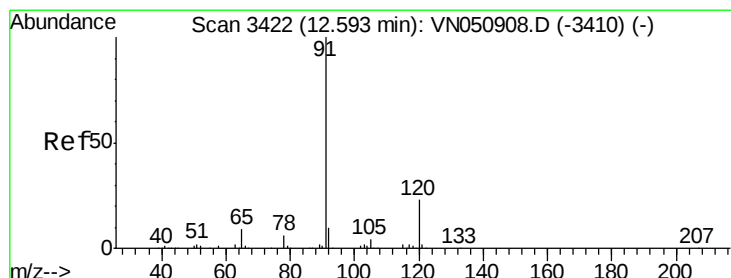
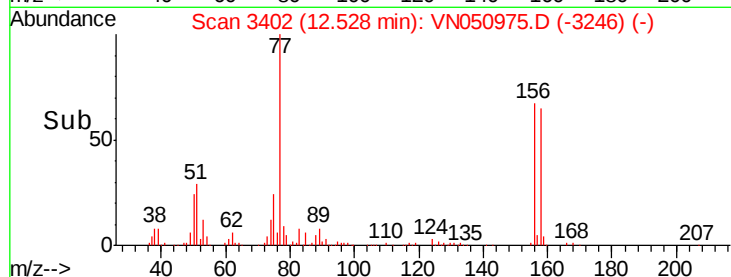
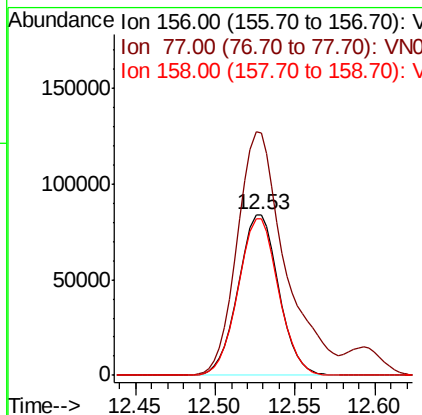
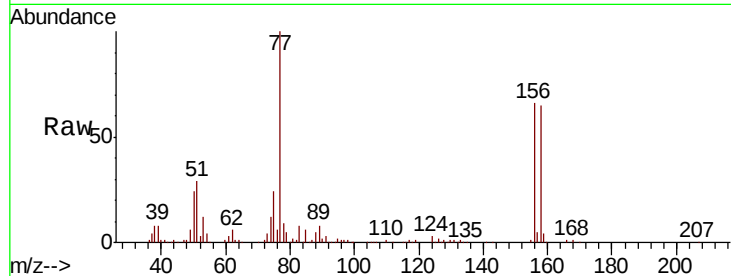
ClientSampleId :

VN0830WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 144628 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 181.0 | 0.0   | 359.4  |
| 158       | 97.7  | 0.0   | 194.6  |

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#74

n-propylbenzene

Concen: 18.29 ug/l

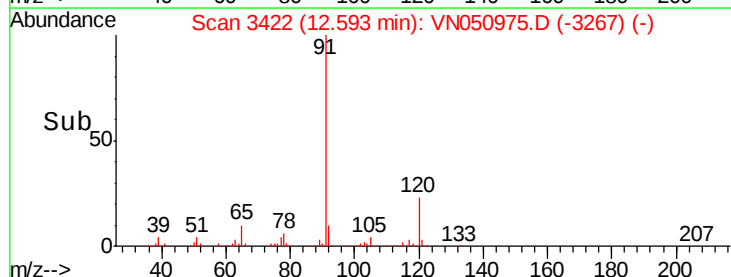
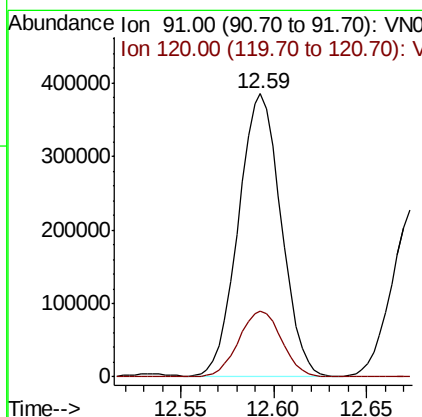
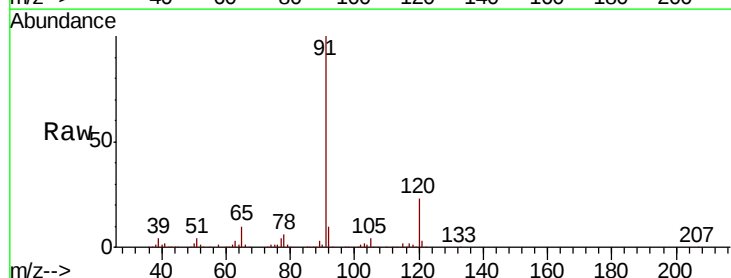
RT: 12.59 min Scan# 3422

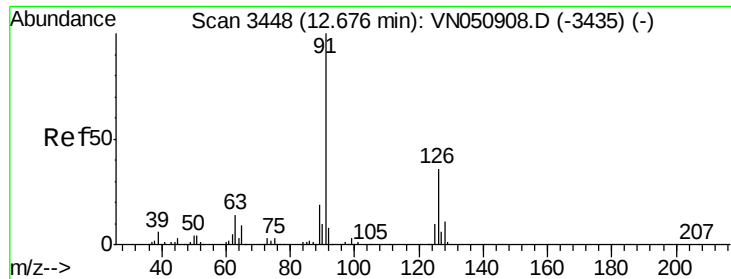
Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 615992 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.5  | 0.0   | 46.0   |





#75

2-Chlorotoluene

Concen: 19.00 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA\_N

ClientSampled :

VN0830WBSD02

Tot Ion: 91 Resp: 388817

Ion Ratio Lower Upper

91 100

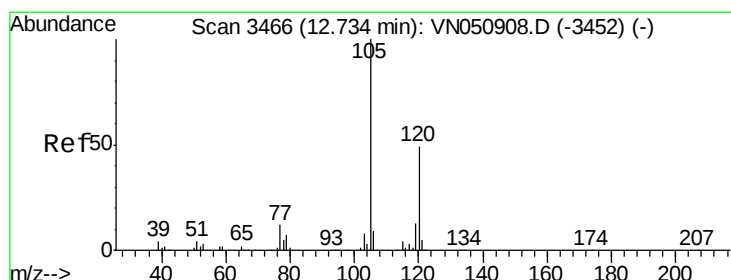
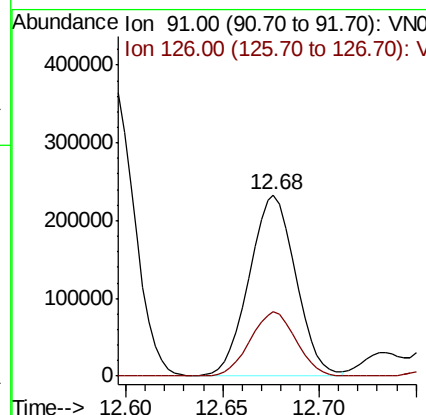
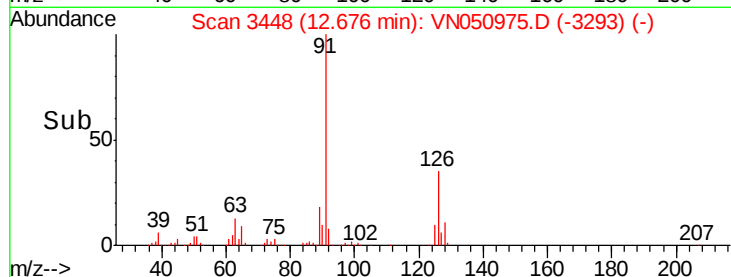
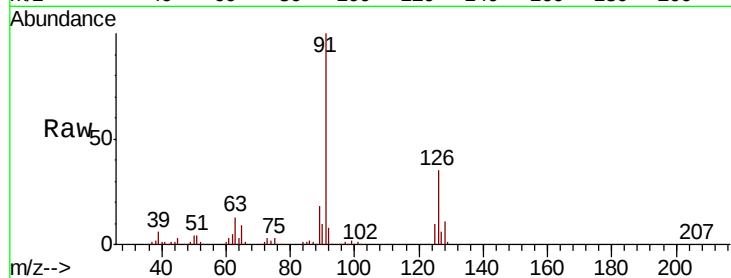
126 35.2 0.0 71.8

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#76

1,3,5-Trimethylbenzene

Concen: 19.08 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050975.D

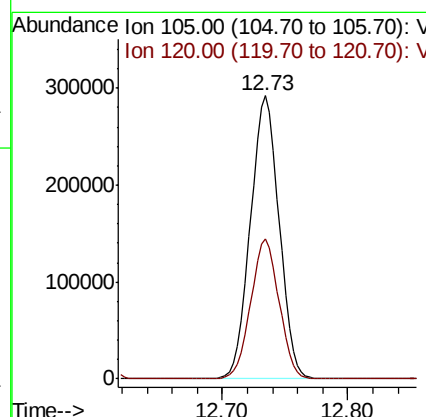
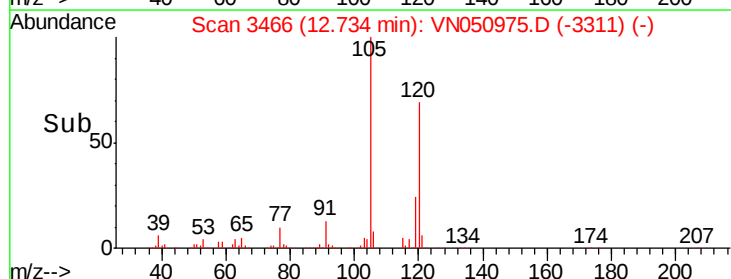
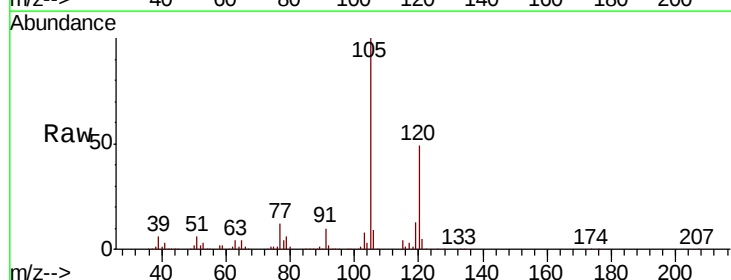
Acq: 30 Aug 2018 20:48

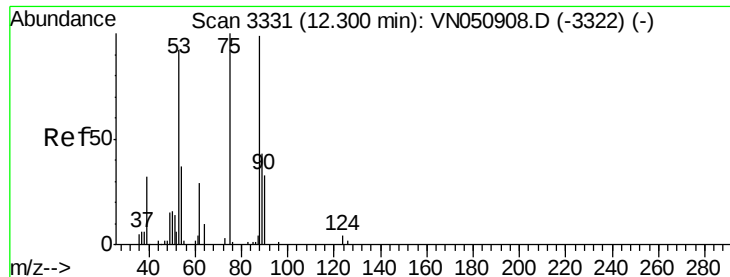
Tgt Ion: 105 Resp: 464586

Ion Ratio Lower Upper

105 100

120 48.9 0.0 99.6





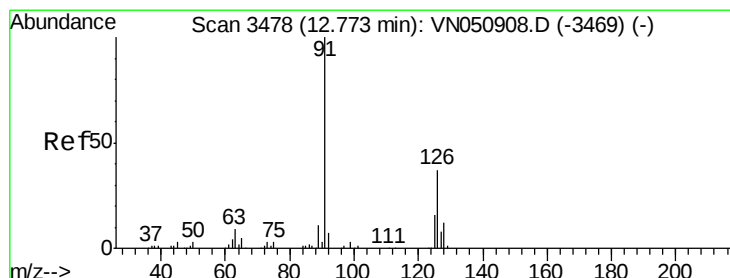
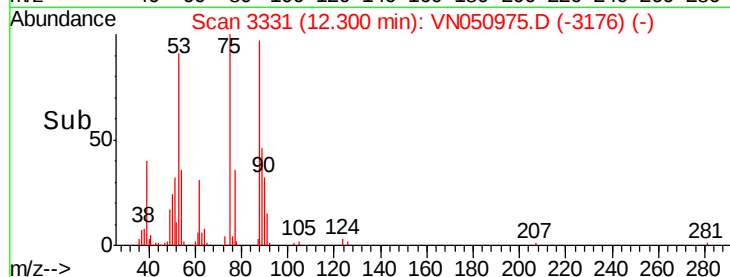
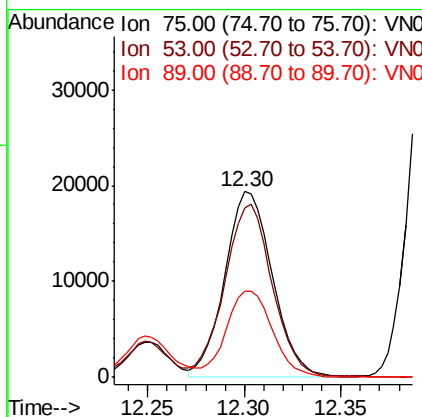
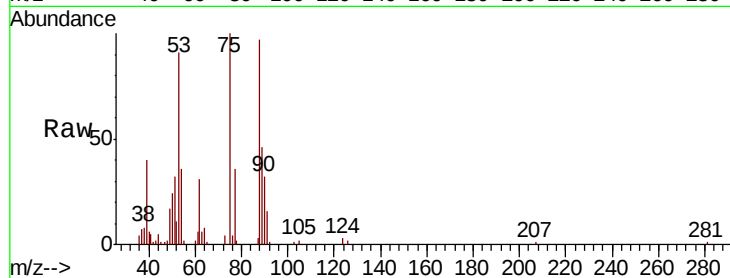
#77  
t-1,4-Dichloro-2-butene  
Concen: 16.81 ug/l  
RT: 12.30 min Scan# 3331  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 90.5  | 45.5  | 136.4 |
| 89      | 46.4  | 21.9  | 65.8  |

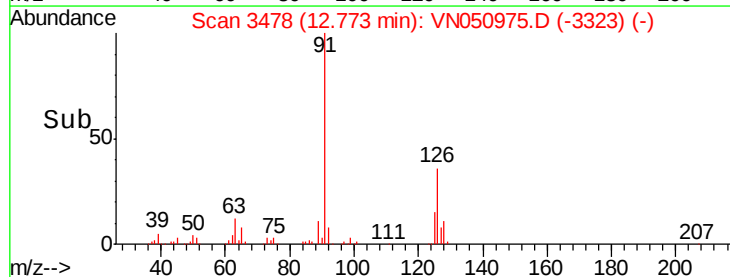
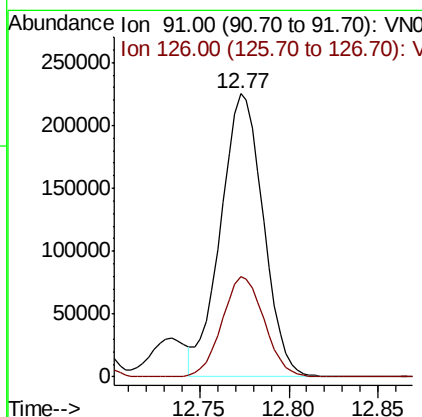
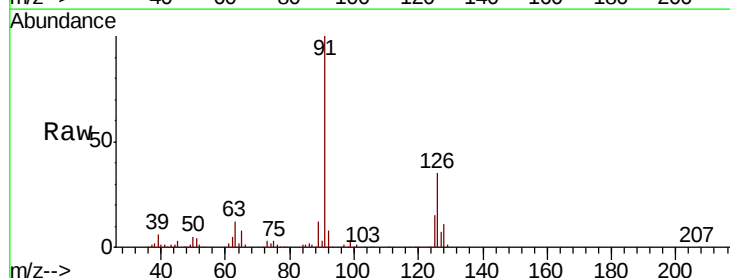
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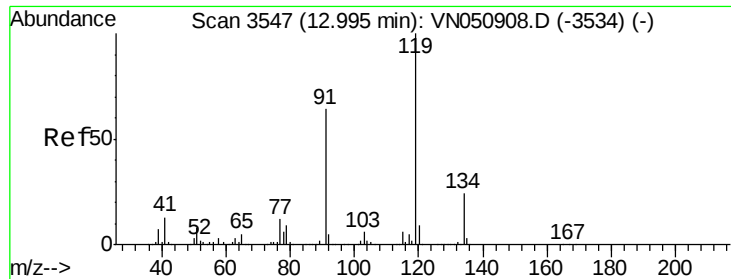
MMDadoda  
8/31/2018 11:32:25 AM



#78  
4-Chlorotoluene  
Concen: 18.54 ug/l  
RT: 12.77 min Scan# 3478  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.0  | 0.0   | 69.8  |





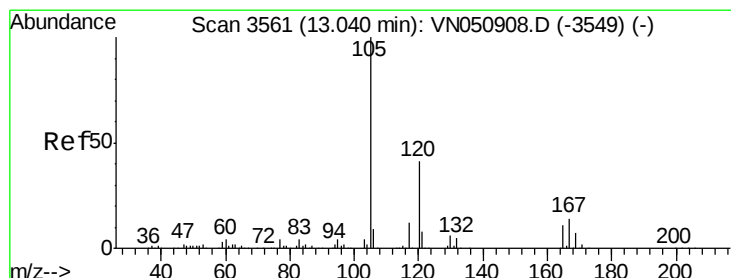
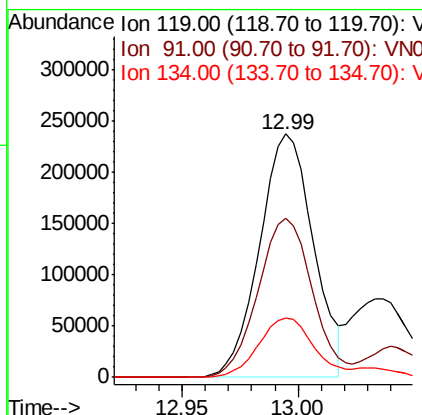
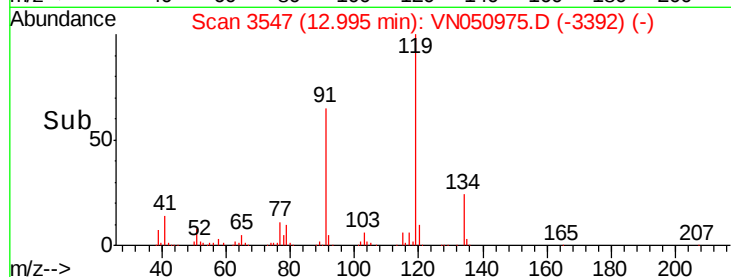
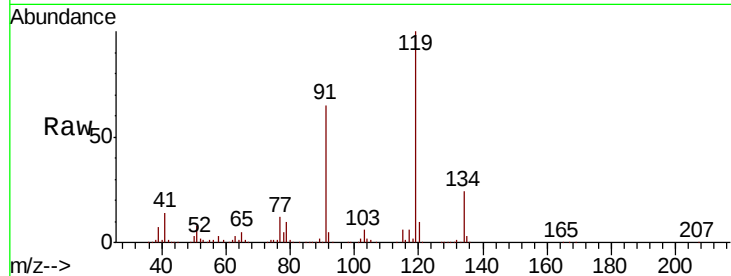
#79  
tert-butylbenzene  
Concen: 18.17 ug/l  
RT: 12.99 min Scan# 3547  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 384180 |       |       |
| 91      | 66.2  | 0.0    | 125.6 |       |
| 134     | 24.8  | 0.0    | 48.4  |       |

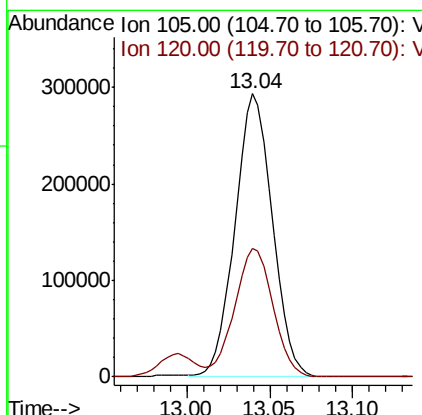
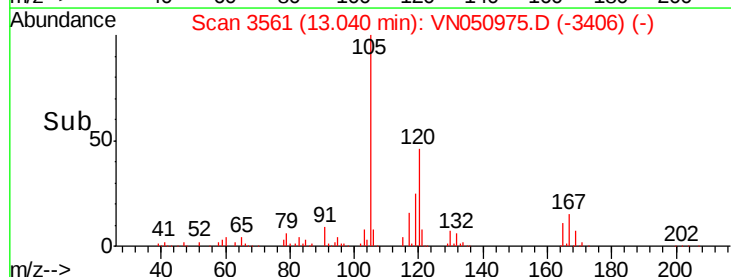
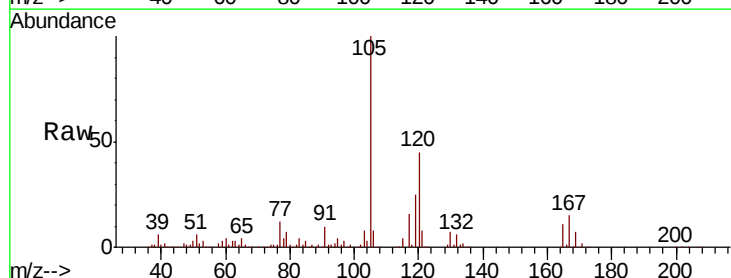
Manual Integrations  
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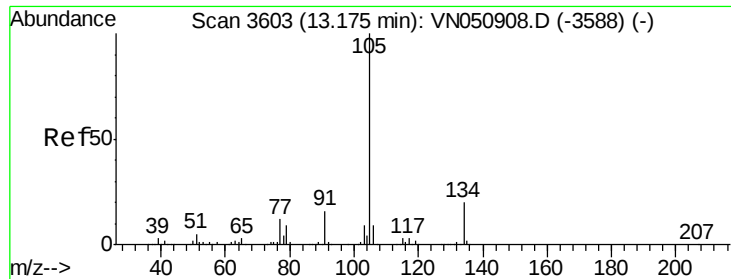
MMDadoda  
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#80  
1,2,4-Trimethylbenzene  
Concen: 18.96 ug/l  
RT: 13.04 min Scan# 3561  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 460343 |       |       |
| 120     | 46.6  | 0.0    | 93.6  |       |





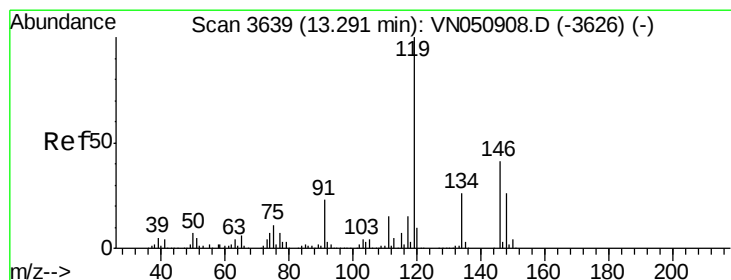
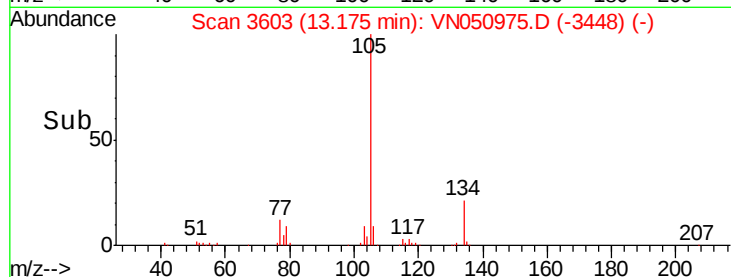
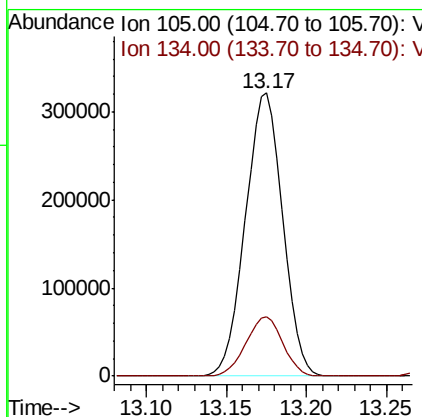
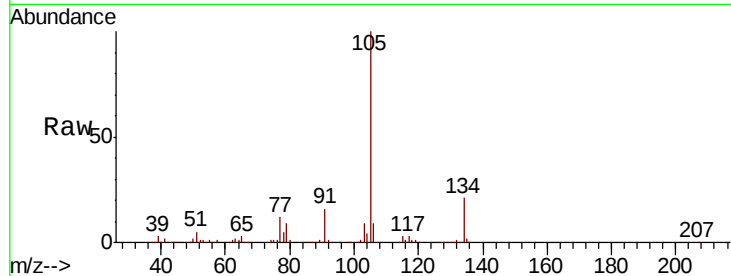
#81  
 sec-Butylbenzene  
 Concen: 18.56 ug/l  
 RT: 13.17 min Scan# 3603  
 Delta R.T. -0.00 min  
 Lab File: VN050975.D  
 Acq: 30 Aug 2018 20:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.7  | 0.0   | 40.8  |

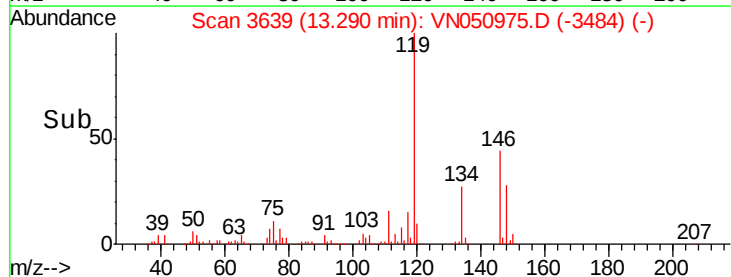
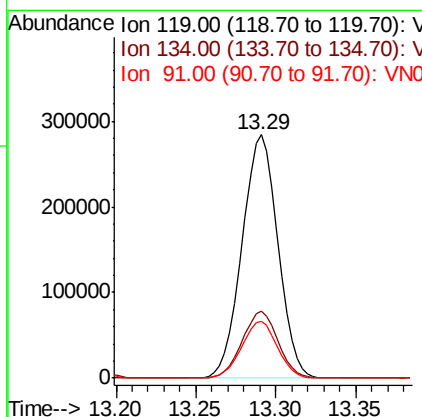
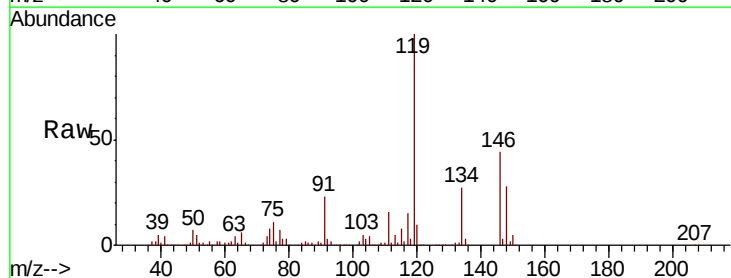
Manual Integrations  
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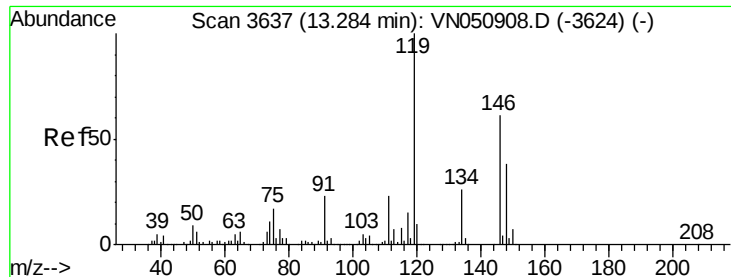
MMDadoda  
 8/31/2018 11:32:25 AM



#82  
 p-Isopropyltoluene  
 Concen: 18.15 ug/l  
 RT: 13.29 min Scan# 3639  
 Delta R.T. -0.00 min  
 Lab File: VN050975.D  
 Acq: 30 Aug 2018 20:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 27.4  | 0.0   | 53.2  |
| 91      | 23.3  | 0.0   | 46.0  |





#83

1,3-Dichlorobenzene

Concen: 18.30 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA\_N

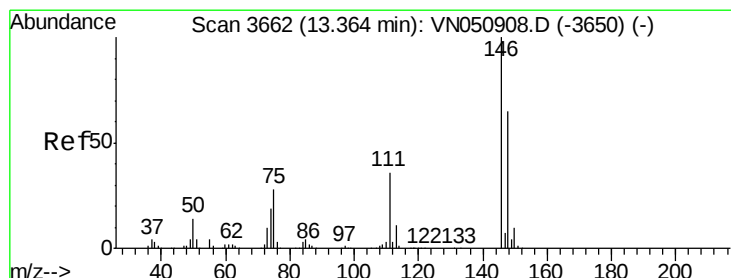
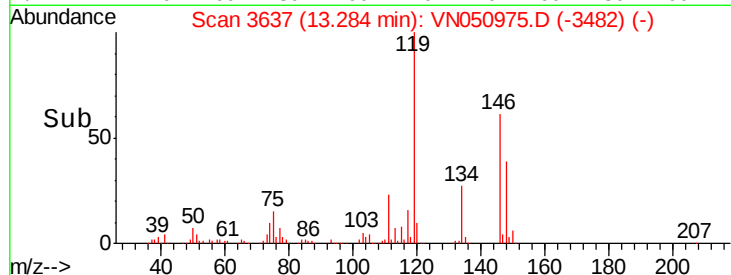
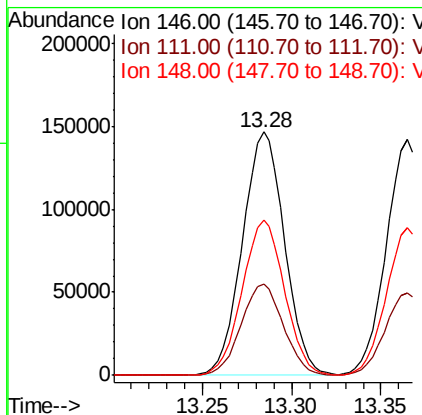
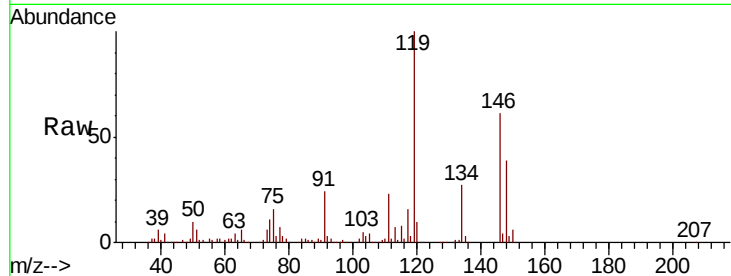
ClientSampleId :

VN0830WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 242520 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 37.5  | 18.6  | 55.6   |
| 148       | 64.2  | 31.8  | 95.3   |

Manual Integrations  
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8/31/2018 11:32:25 AM



#84

1,4-Dichlorobenzene

Concen: 18.26 ug/l

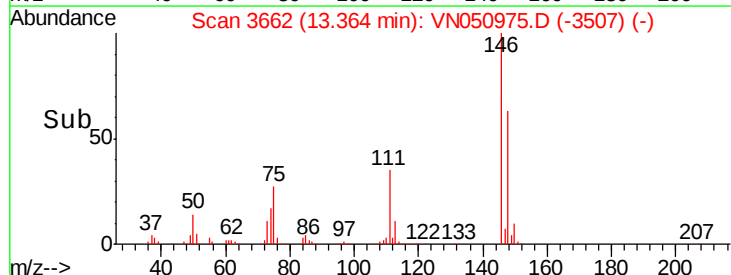
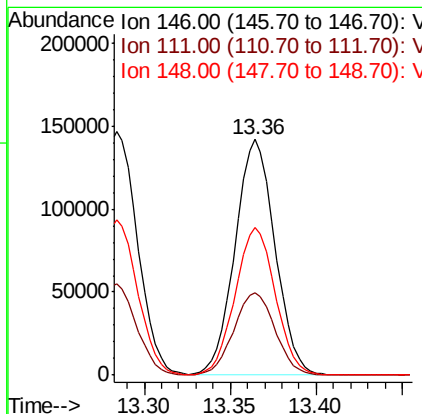
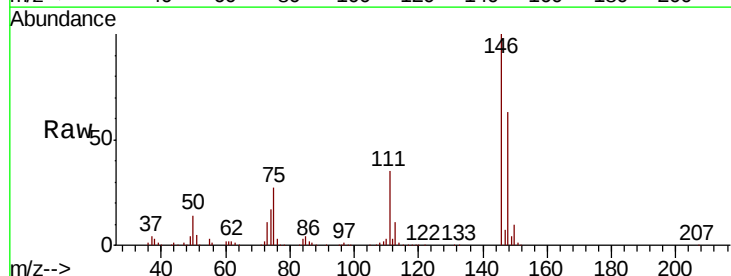
RT: 13.36 min Scan# 3662

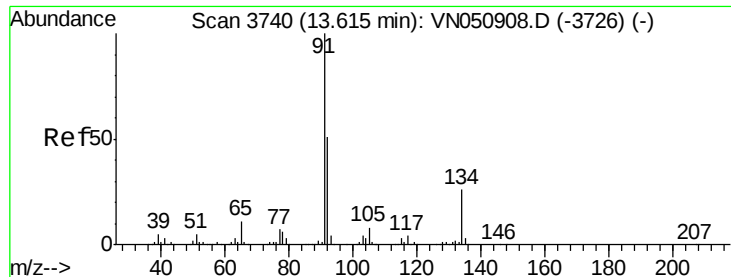
Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 229290 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 35.9  | 17.7  | 53.1   |
| 148       | 62.9  | 31.6  | 94.8   |





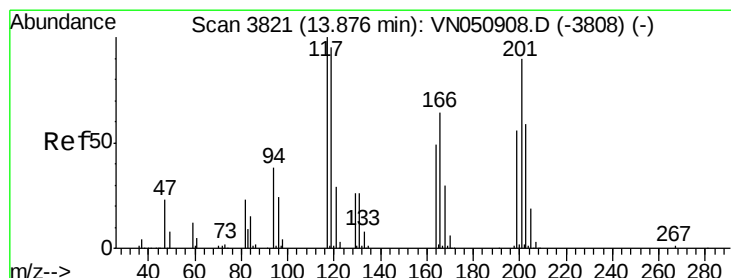
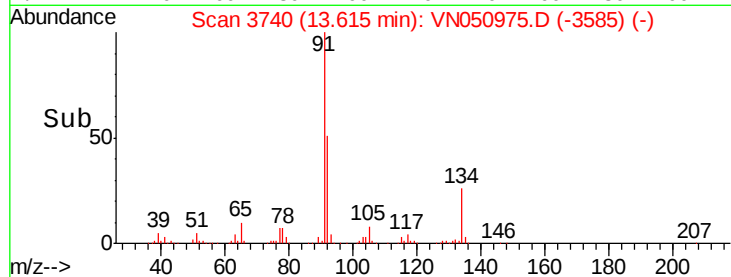
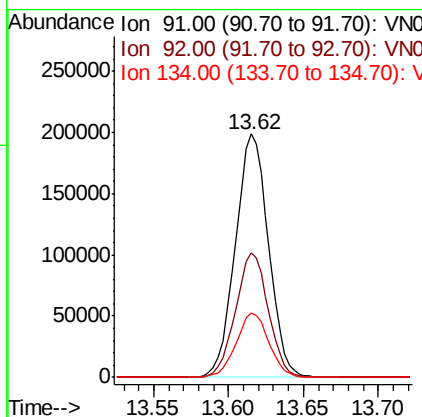
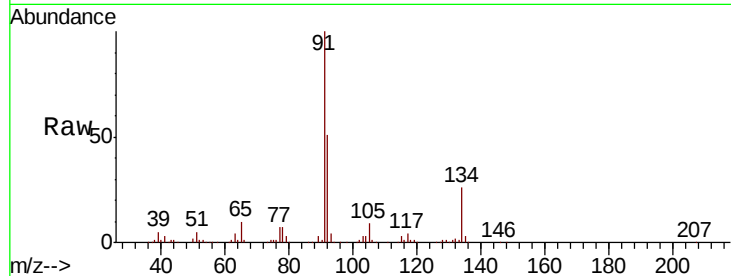
#85  
n-Butylbenzene  
Concen: 16.77 ug/l  
RT: 13.62 min Scan# 3740  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0830WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 305567 |       |       |
| 92      | 50.3  |        | 0.0   | 101.8 |
| 134     | 26.1  |        | 0.0   | 52.2  |

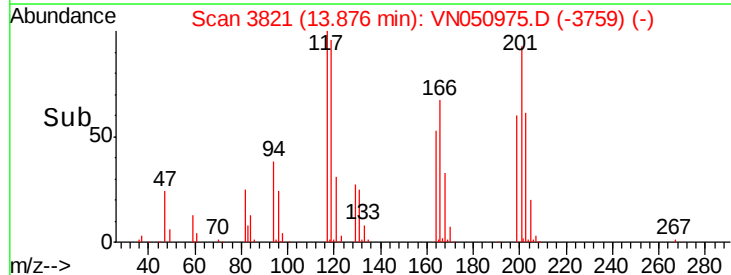
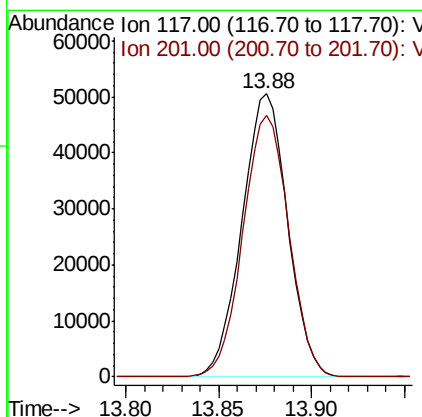
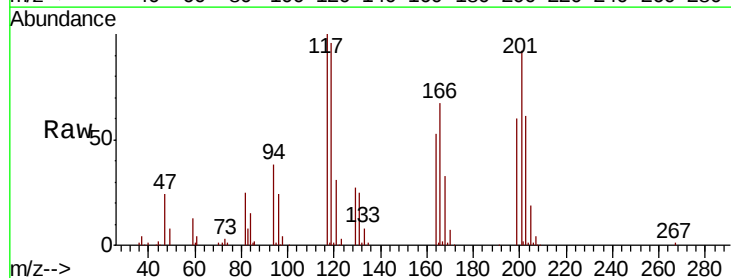
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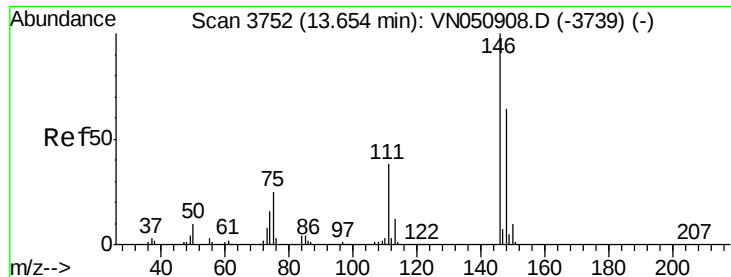
MMDadoda  
8/31/2018 11:32:25 AM



#86  
Hexachloroethane  
Concen: 18.95 ug/l  
RT: 13.88 min Scan# 3821  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 86850 |       |       |
| 201     | 92.8  |       | 45.8  | 137.4 |





#87

1,2-Dichlorobenzene

Concen: 19.02 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA\_N

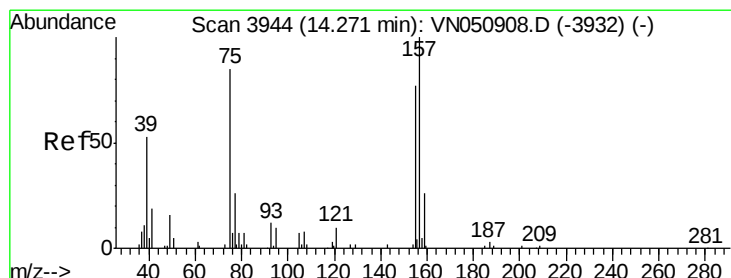
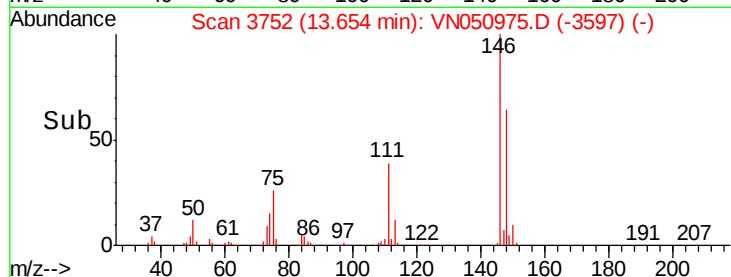
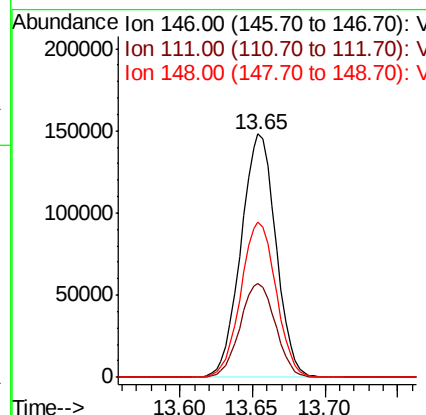
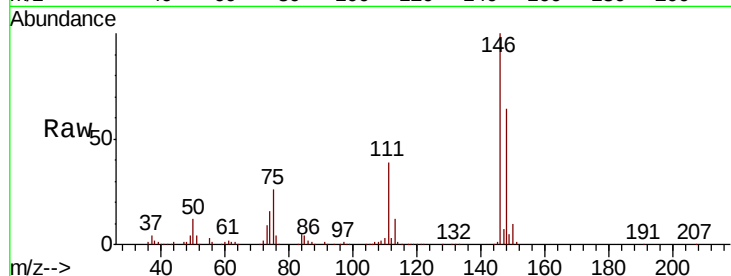
ClientSampled :

VN0830WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 248059 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 38.9  | 19.1  | 57.1   |
| 148       | 64.2  | 31.9  | 95.9   |

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8/31/2018 11:32:25 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.68 ug/l

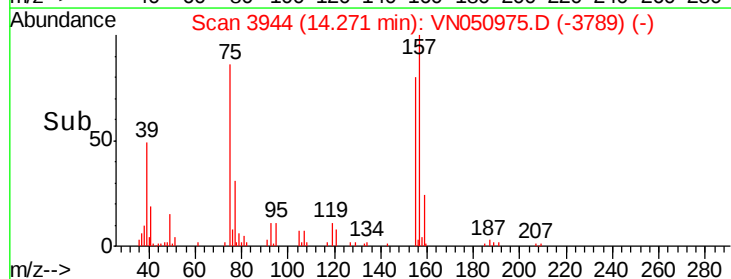
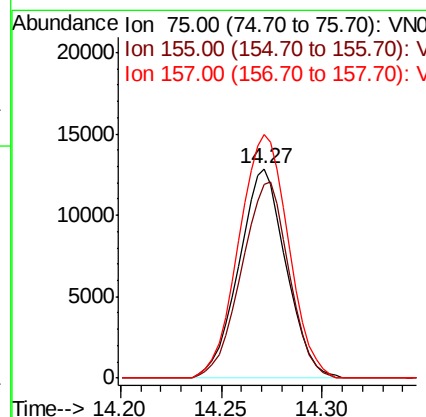
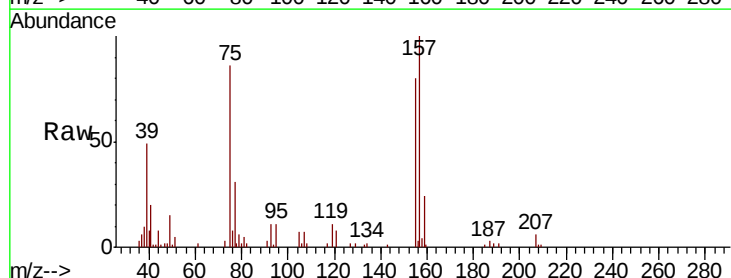
RT: 14.27 min Scan# 3944

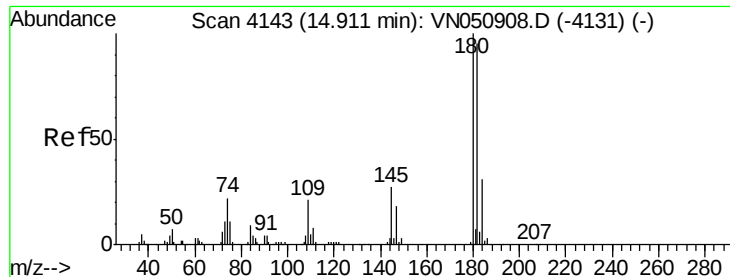
Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 21083 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 94.0  | 71.8  | 107.6 |
| 157       | 122.1 | 91.1  | 136.7 |





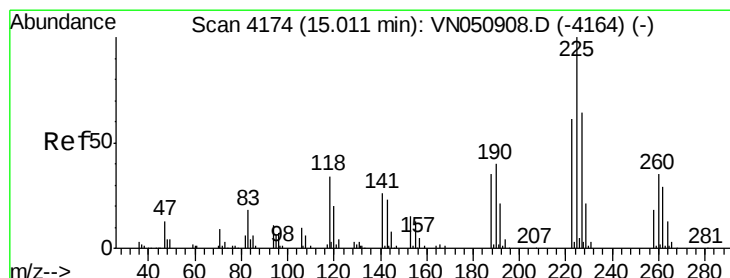
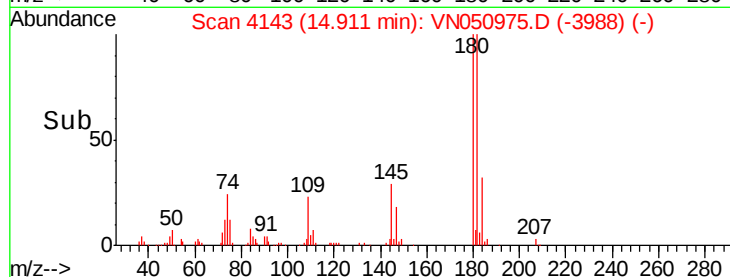
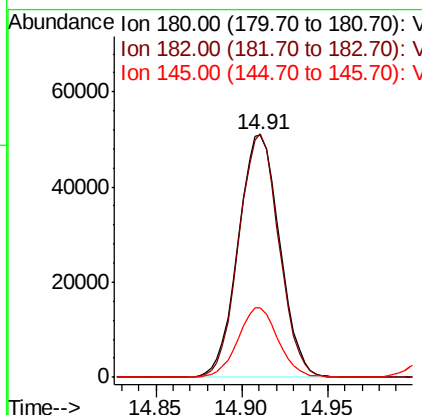
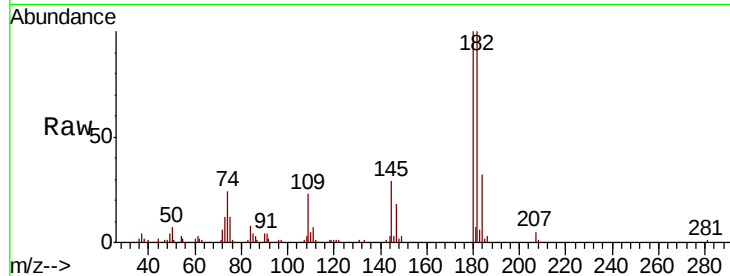
#89  
 1,2,4-Trichlorobenzene  
 Concen: 14.74 ug/l  
 RT: 14.91 min Scan# 4143  
 Delta R.T. -0.00 min  
 Lab File: VN050975.D  
 Acq: 30 Aug 2018 20:48

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0830WBSD02

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 97.1  | 76.2 | 114.4 |       |
| 145     | 27.8  | 22.2 | 33.4  |       |

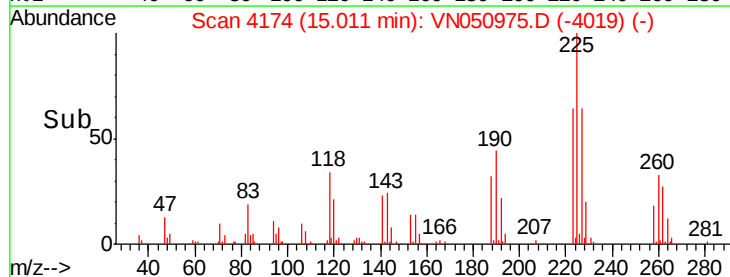
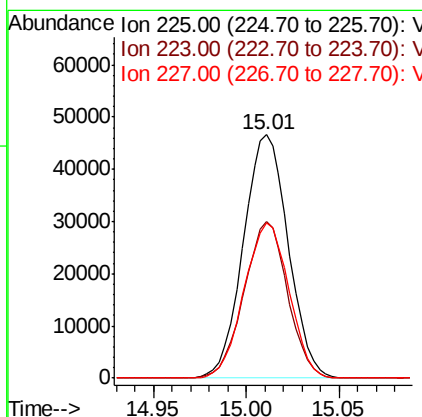
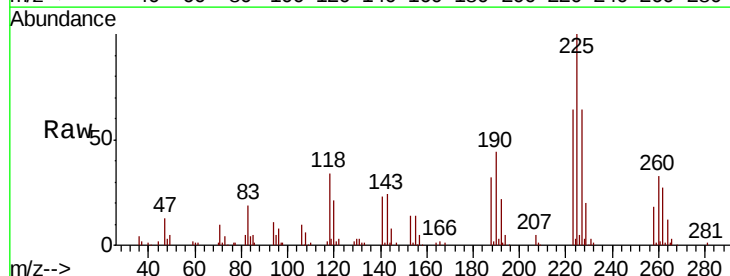
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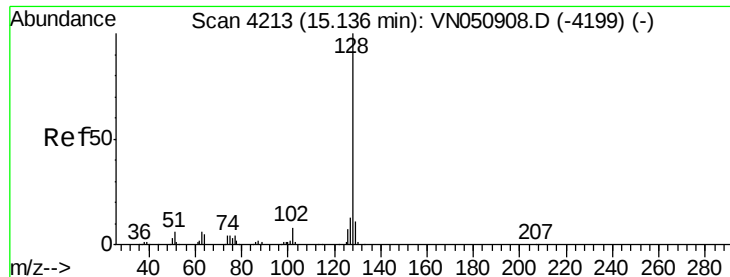
MMDadoda  
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#90  
 Hexachlorobutadiene  
 Concen: 19.90 ug/l  
 RT: 15.01 min Scan# 4174  
 Delta R.T. -0.00 min  
 Lab File: VN050975.D  
 Acq: 30 Aug 2018 20:48

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 62.5  | 0.0  | 127.8 |       |
| 227     | 63.8  | 0.0  | 128.4 |       |





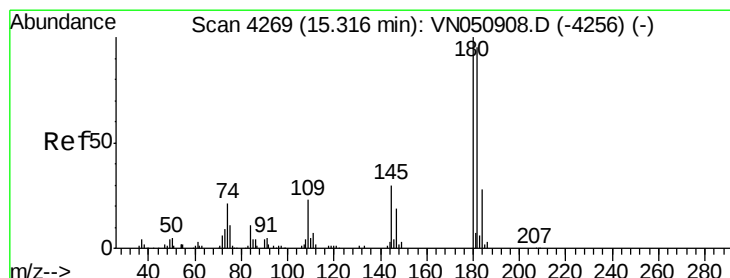
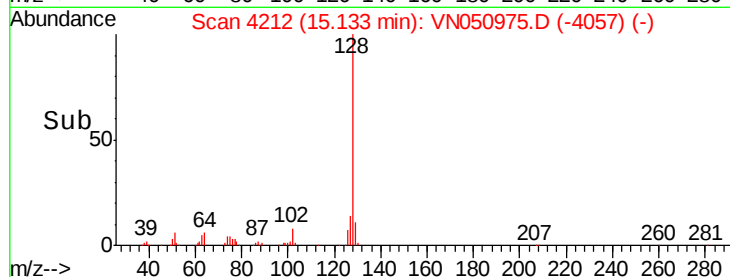
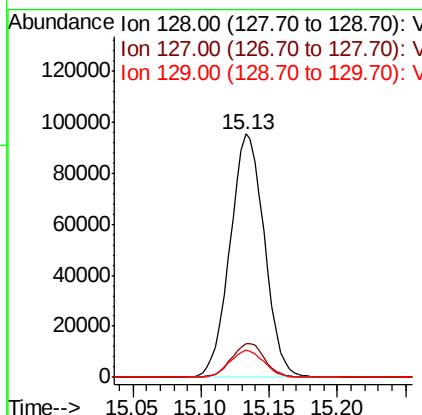
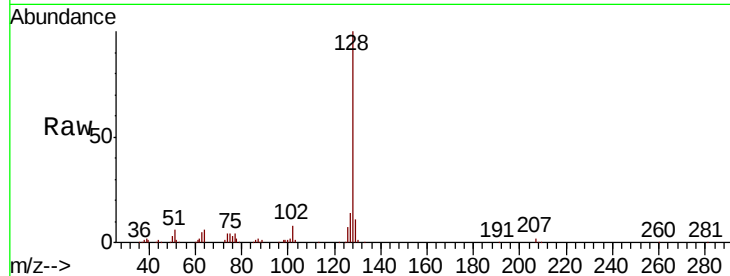
#91  
Naphthalene  
Concen: 17.75 ug/l  
RT: 15.13 min Scan# 4212  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.6  | 10.6  | 16.0  |
| 129     | 11.1  | 8.7   | 13.1  |

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#92  
1,2,3-Trichlorobenzene  
Concen: 16.39 ug/l  
RT: 15.32 min Scan# 4269  
Delta R.T. -0.00 min  
Lab File: VN050975.D  
Acq: 30 Aug 2018 20:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.0  | 0.0   | 192.8 |
| 145     | 29.4  | 0.0   | 60.0  |

