

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011019\  
 Data File : VN053339.D  
 Acq On : 10 Jan 2019 14:07  
 Operator : MD\SY  
 Sample : VN0110WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0110WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 1/11/2019 10:11:50 AM

Quant Time: Jan 11 06:20:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Dec 28 10:33:50 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.20  | 128  | 161194   | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 928481   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 826339   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.03   | 65    | 310905   | 30.36    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 101.20% |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 378525   | 29.94    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 99.80%  |
| 63) Toluene-d8            | 10.09  | 98    | 1108572  | 29.78    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 99.27%  |

## Target Compounds

|                               |      |     |        |         | Ovalue     |
|-------------------------------|------|-----|--------|---------|------------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 208992 | 19.459  | ug/l 100   |
| 3) Chloromethane              | 2.06 | 50  | 246714 | 19.572  | ug/l 98    |
| 4) Vinyl Chloride             | 2.19 | 62  | 242837 | 19.577  | ug/l 97    |
| 5) Bromomethane               | 2.55 | 94  | 147535 | 18.447  | ug/l 98    |
| 6) Chloroethane               | 2.70 | 64  | 141662 | 19.826  | ug/l 99    |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 304296 | 19.865  | ug/l 100   |
| 8) Diethyl Ether              | 3.41 | 74  | 117210 | 20.595  | ug/l 95    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 185841 | 19.309  | ug/l 96    |
| 10) 1,1-Dichloroethene        | 3.74 | 96  | 186590 | 19.866  | ug/l 94    |
| 11) Methyl Iodide             | 3.95 | 142 | 253579 | 18.436  | ug/l 99    |
| 12) Methyl Acetate            | 4.32 | 43  | 168494 | 23.017  | ug/l 97    |
| 13) Acrolein                  | 3.61 | 56  | 94475  | 108.092 | ug/l 99    |
| 14) Acrylonitrile             | 4.99 | 53  | 367592 | 112.242 | ug/l 98    |
| 15) Acetone                   | 3.82 | 58  | 82155  | 118.034 | ug/l 99    |
| 16) Carbon Disulfide          | 4.06 | 76  | 526309 | 18.215  | ug/l 100   |
| 17) Allyl chloride            | 4.33 | 41  | 296660 | 20.078  | ug/l 98    |
| 18) Methylene Chloride        | 4.55 | 84  | 217405 | 20.225  | ug/l 93    |
| 19) trans-1,2-Dichloroethene  | 5.05 | 96  | 195371 | 19.683  | ug/l 94    |
| 20) Diisopropyl ether         | 5.95 | 45  | 649220 | 20.517  | ug/l 96    |
| 21) 1,1-Dichloroethane        | 5.85 | 63  | 375964 | 20.406  | ug/l 98    |
| 22) cis-1,2-Dichloroethene    | 6.83 | 96  | 228382 | 20.425  | ug/l 96    |
| 23) tert-Butyl Alcohol        | 4.79 | 59  | 51168  | 92.681  | ug/l # 100 |
| 24) Methyl tert-Butyl Ether   | 5.05 | 73  | 529500 | 21.620  | ug/l 96    |
| 25) Chloroform                | 7.37 | 83  | 361828 | 20.431  | ug/l 99    |
| 26) Cyclohexane               | 7.65 | 56  | 333947 | 19.433  | ug/l # 98  |
| 29) 1,1-Dichloropropene       | 7.79 | 75  | 280831 | 19.968  | ug/l 99    |
| 30) 2-Butanone                | 6.83 | 43  | 409538 | 116.717 | ug/l 98    |
| 31) 2,2-Dichloropropane       | 6.83 | 77  | 258944 | 19.019  | ug/l 98    |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 302364 | 20.519  | ug/l 97    |
| 33) Carbon Tetrachloride      | 7.77 | 117 | 257251 | 19.944  | ug/l 97    |
| 34) Benzene                   | 8.04 | 78  | 858227 | 20.305  | ug/l 97    |
| 35) Methacrylonitrile         | 7.18 | 41  | 112300 | 24.803  | ug/l 92    |
| 36) 1,2-Dichloroethane        | 8.12 | 62  | 258504 | 21.067  | ug/l 97    |
| 37) Trichloroethene           | 8.84 | 130 | 232238 | 20.282  | ug/l 94    |
| 38) Methylcyclohexane         | 9.08 | 83  | 335828 | 20.415  | ug/l 96    |
| 39) 1,2-Dichloropropane       | 9.12 | 63  | 226142 | 20.489  | ug/l 97    |
| 40) Dibromomethane            | 9.21 | 93  | 133575 | 21.400  | ug/l 94    |

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 Operator : MD\SY  
 Sample : VN0110WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0110WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 1/11/2019 10:11:50 AM

Quant Time: Jan 11 06:20:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Dec 28 10:33:50 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 41) Bromodichloromethane       | 9.40  | 83   | 268739   | 20.048  | ug/l   | 99       |
| 42) Vinyl Acetate              | 5.90  | 43   | 2083270  | 108.828 | ug/l   | 97       |
| 43) Ethyl Acetate              | 6.93  | 43   | 179651   | 22.926  | ug/l # | 70       |
| 44) Isopropyl Acetate          | 8.16  | 43   | 331793   | 22.731  | ug/l # | 80       |
| 45) 1,4-Dioxane                | 9.20  | 88   | 23464    | 262.874 | ug/l   | 97       |
| 46) Methyl methacrylate        | 9.20  | 41   | 162415   | 22.025  | ug/l   | 96       |
| 47) n-amyl Acetate             | 12.07 | 43   | 285992   | 22.310  | ug/l   | 98       |
| 48) t-1,3-Dichloropropene      | 10.38 | 75   | 274847   | 20.089  | ug/l   | 98       |
| 49) cis-1,3-Dichloropropene    | 9.84  | 75   | 322484   | 20.018  | ug/l   | 95       |
| 50) 1,1,2-Trichloroethane      | 10.56 | 97   | 190012   | 21.231  | ug/l   | 99       |
| 51) Ethyl methacrylate         | 10.43 | 69   | 251474   | 21.560  | ug/l   | 93       |
| 52) 1,3-Dichloropropane        | 10.71 | 76   | 328697   | 21.320  | ug/l   | 99       |
| 53) Dibromochloromethane       | 10.90 | 129  | 208584   | 20.751  | ug/l   | 98       |
| 54) 1,2-Dibromoethane          | 11.01 | 107  | 191628   | 21.225  | ug/l   | 98       |
| 55) 2-Chloroethyl vinyl ether  | 9.70  | 63   | 683216   | 102.066 | ug/l   | 99       |
| 56) Bromoform                  | 12.13 | 173  | 142866   | 20.777  | ug/l   | 100      |
| 58) 4-Methyl-2-Pentanone       | 9.99  | 43   | 923660   | 117.303 | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.75 | 43   | 613739   | 112.902 | ug/l   | 96       |
| 61) Tetrachloroethene          | 10.63 | 164  | 255515   | 20.924  | ug/l   | 96       |
| 62) Toluene                    | 10.16 | 91   | 921058   | 20.324  | ug/l   | 99       |
| 64) Chlorobenzene              | 11.43 | 112  | 579853   | 20.390  | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 202531   | 20.302  | ug/l   | 99       |
| 66) Ethyl Benzene              | 11.51 | 91   | 992309   | 20.191  | ug/l   | 98       |
| 67) m/p-Xylenes                | 11.62 | 106  | 753137   | 40.519  | ug/l   | 98       |
| 68) o-Xylene                   | 11.95 | 106  | 365587   | 20.297  | ug/l   | 99       |
| 69) Styrene                    | 11.96 | 104  | 600622   | 20.430  | ug/l   | 99       |
| 70) Isopropylbenzene           | 12.25 | 105  | 976970   | 20.616  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 218994   | 21.953  | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane     | 12.55 | 75   | 193990m  | 22.206  | ug/l   |          |
| 73) Bromobenzene               | 12.53 | 156  | 254387   | 20.883  | ug/l   | 93       |
| 74) n-propylbenzene            | 12.59 | 91   | 1108171  | 20.658  | ug/l   | 98       |
| 75) 2-Chlorotoluene            | 12.68 | 91   | 643920   | 20.268  | ug/l   | 97       |
| 76) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 774845   | 20.612  | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene    | 12.30 | 75   | 61408    | 20.006  | ug/l   | 95       |
| 78) 4-Chlorotoluene            | 12.77 | 91   | 657205   | 20.322  | ug/l   | 100      |
| 79) tert-butylbenzene          | 12.99 | 119  | 687856   | 20.981  | ug/l   | 98       |
| 80) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 784684   | 20.827  | ug/l   | 100      |
| 81) sec-Butylbenzene           | 13.17 | 105  | 932740   | 21.485  | ug/l   | 100      |
| 82) p-Isopropyltoluene         | 13.29 | 119  | 798848   | 21.295  | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene        | 13.28 | 146  | 419035   | 20.203  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene        | 13.36 | 146  | 412176   | 20.387  | ug/l   | 98       |
| 85) n-Butylbenzene             | 13.62 | 91   | 643771   | 21.102  | ug/l   | 98       |
| 86) Hexachloroethane           | 13.88 | 117  | 118711   | 19.820  | ug/l   | 97       |
| 87) 1,2-Dichlorobenzene        | 13.65 | 146  | 391591   | 20.319  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 25867    | 18.131  | ug/l   | 94       |
| 89) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 144081   | 15.403  | ug/l   | 99       |
| 90) Hexachlorobutadiene        | 15.01 | 225  | 119172   | 21.048  | ug/l   | 99       |
| 91) Naphthalene                | 15.13 | 128  | 253256   | 12.761  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 102593   | 12.293  | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011019\  
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Acq On : 10 Jan 2019 14:07  
Operator : MD\SY  
Sample : VN0110WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 12 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0110WBSD01

Manual Integrations  
APPROVED

MMDadoda  
1/11/2019 10:11:50 AM

Quant Time: Jan 11 06:20:07 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Dec 28 10:33:50 2018  
Response via : Initial Calibration

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

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

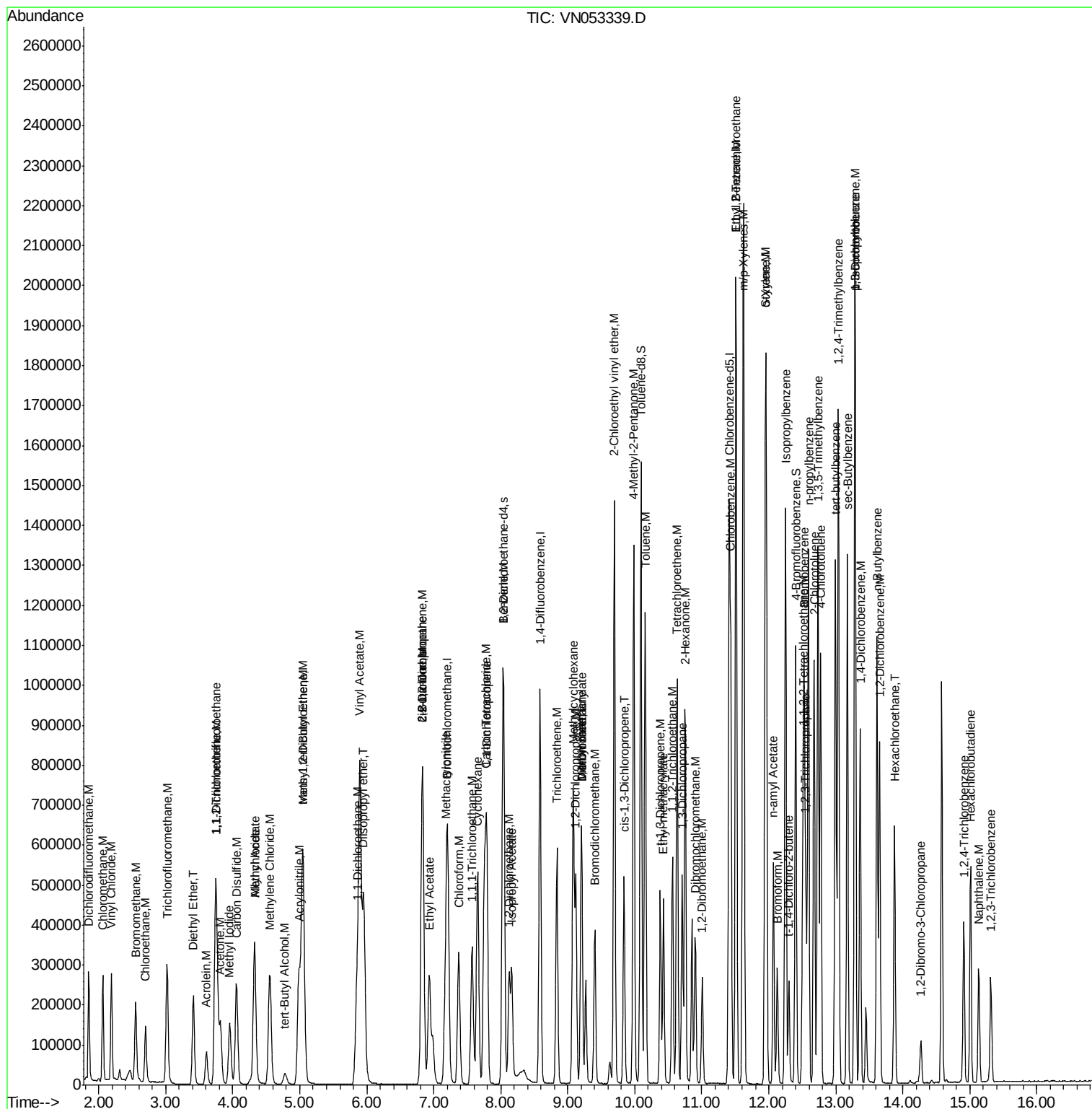
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Data File : VN053339.D  
Acq On : 10 Jan 2019 14:07  
Operator : MD\SY  
Sample : VN0110WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 12 Sample Multiplier: 28

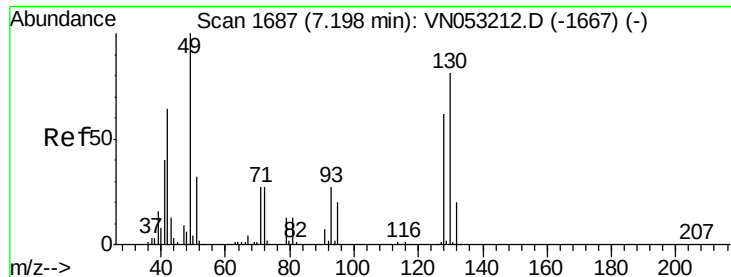
Instrument :  
MSVOA\_N  
Client Sample Id :  
VN0110WBSD01

Manual Integrations  
APPROVED

MMDadoda  
1/11/2019 10:11:50 AM

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Dec 28 10:33:50 2018  
Response via : Initial Calibration





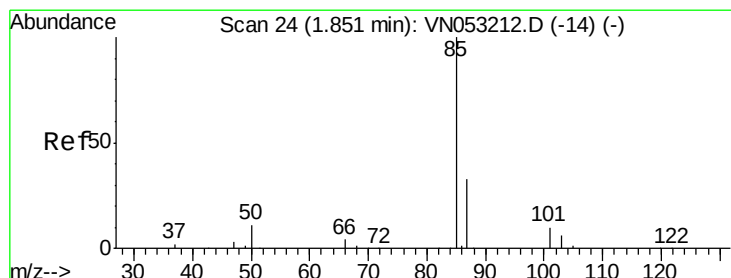
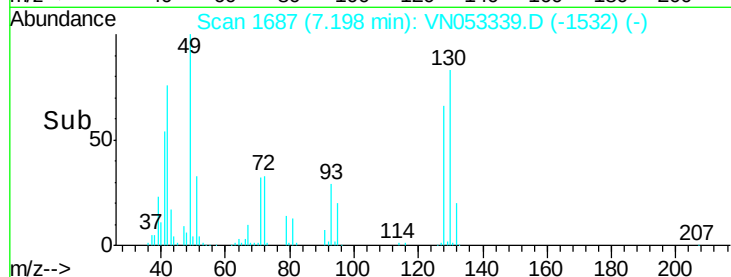
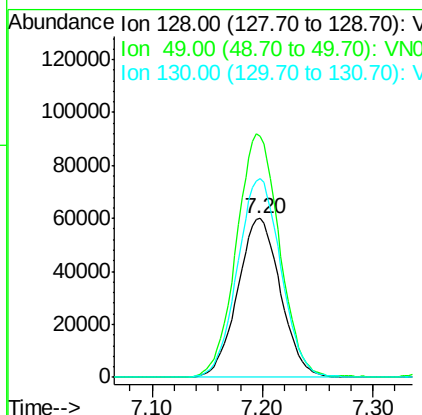
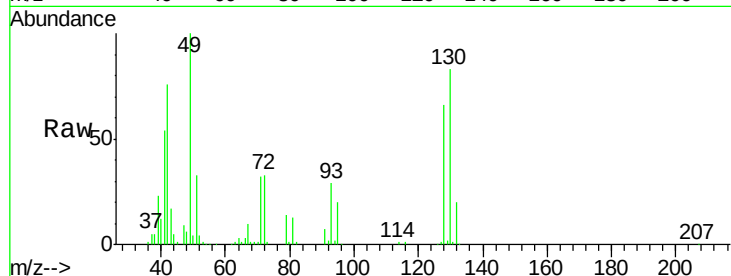
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Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.20 min Scan# 1687  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0110WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 49      | 154.1 | 0.0   | 431.8 |
| 130     | 127.0 | 0.0   | 317.0 |

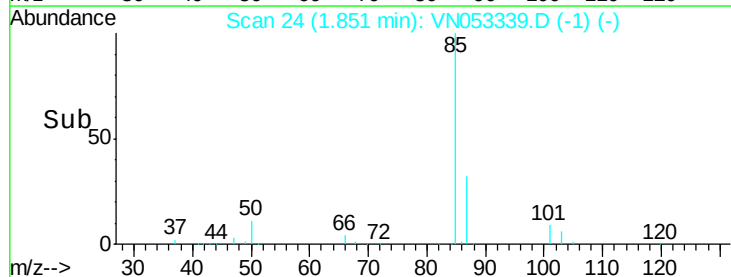
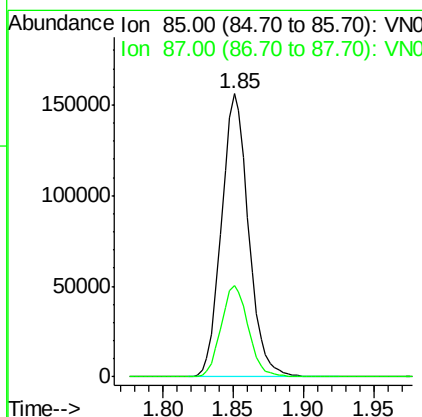
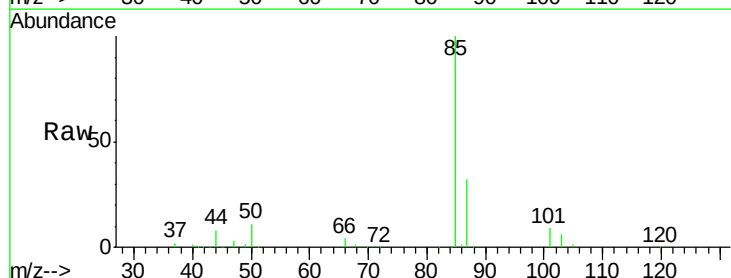
Manual Integrations  
APPROVED

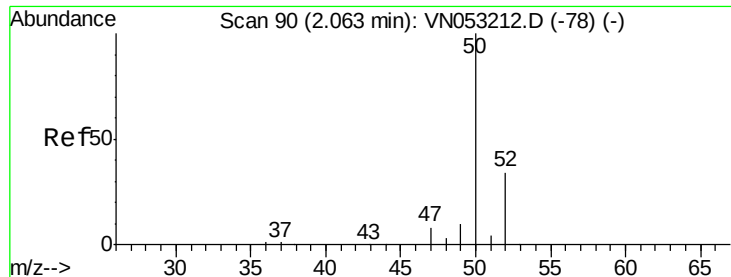
MMDadoda  
1/11/2019 10:11:50 AM



#2  
Dichlorodifluoromethane  
Concen: 19.459 ug/l  
RT: 1.85 min Scan# 24  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 32.3  | 16.1  | 48.3  |





#3

Chloromethane

Concen: 19.572 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

Instrument :

MSVOA\_N

ClientSampled :

VN0110WBSD01

Tot Ion: 50 Resp: 246714

Ion Ratio Lower Upper

50 100

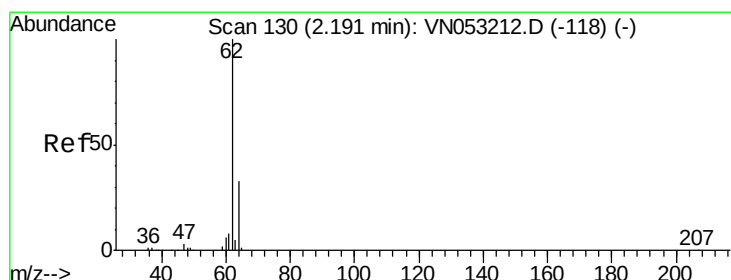
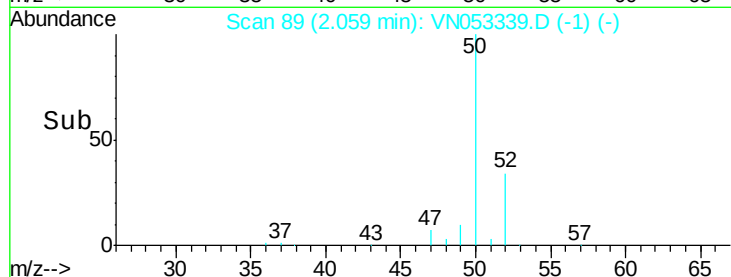
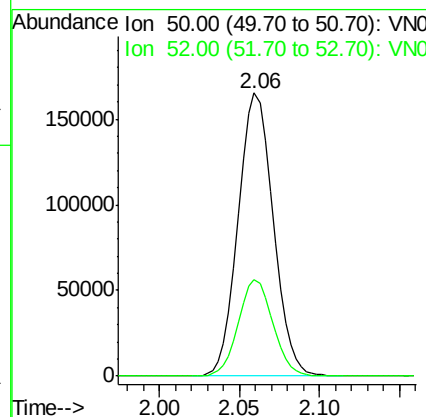
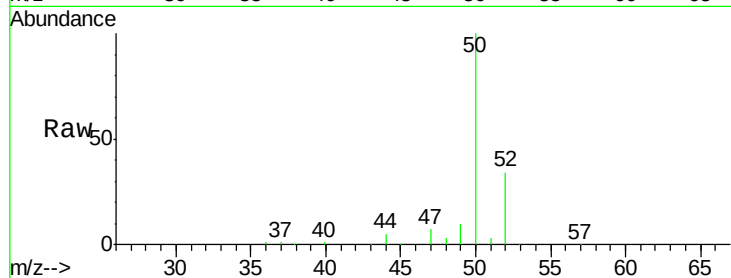
52 34.1 26.5 39.7

Manual Integrations

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1/11/2019 10:11:50 AM



#4

Vinyl Chloride

Concen: 19.577 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053339.D

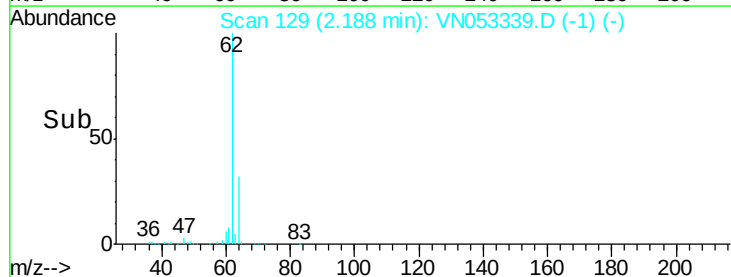
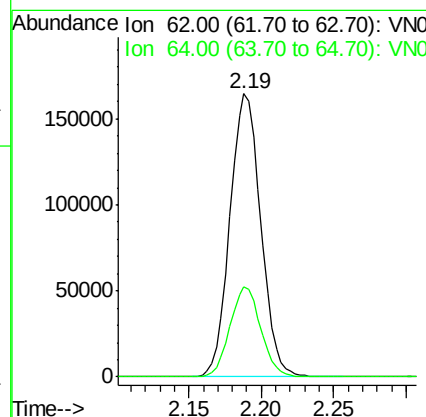
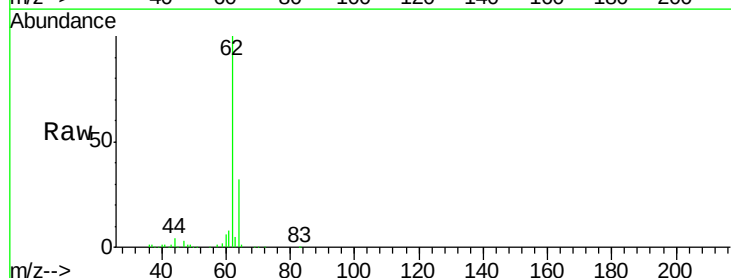
Acq: 10 Jan 2019 14:07

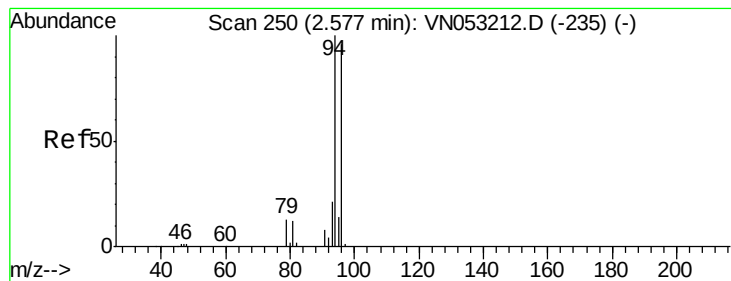
Tgt Ion: 62 Resp: 242837

Ion Ratio Lower Upper

62 100

64 31.8 24.2 36.4





#5

Bromomethane

Concen: 18.447 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.03 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

Instrument :

MSVOA\_N

ClientSampleId :

VN0110WBSD01

Tot Ion: 94 Resp: 147535

Ion Ratio Lower Upper

94 100

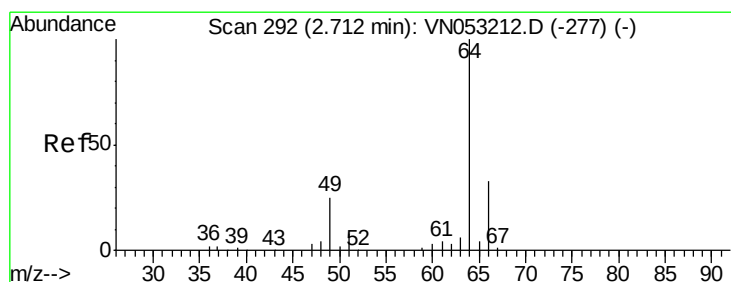
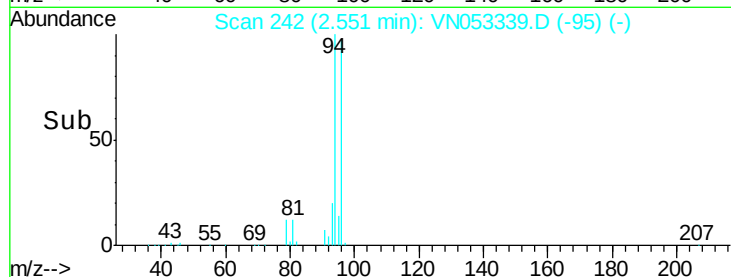
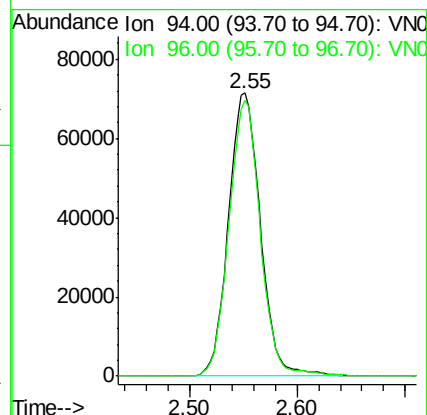
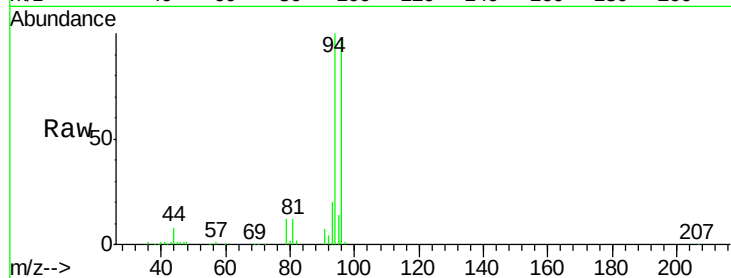
96 97.3 76.2 114.2

Manual Integrations

APPROVED

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1/11/2019 10:11:50 AM



#6

Chloroethane

Concen: 19.826 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN053339.D

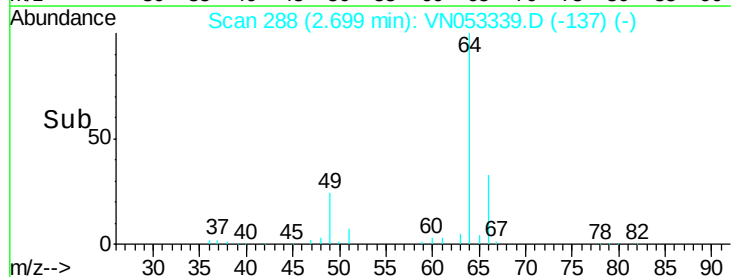
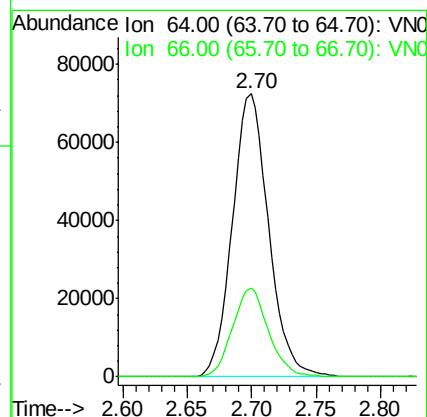
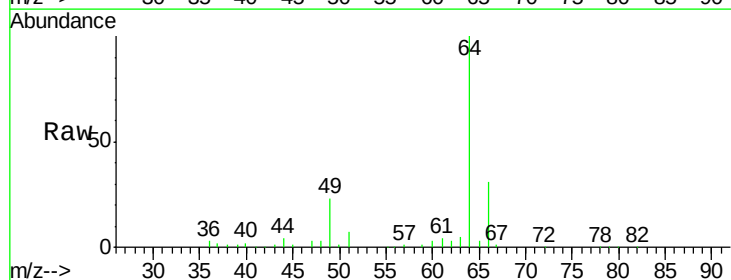
Acq: 10 Jan 2019 14:07

Tgt Ion: 64 Resp: 141662

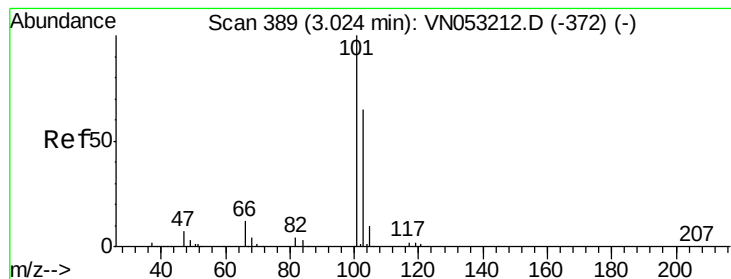
Ion Ratio Lower Upper

64 100

66 31.4 25.6 38.4







#7

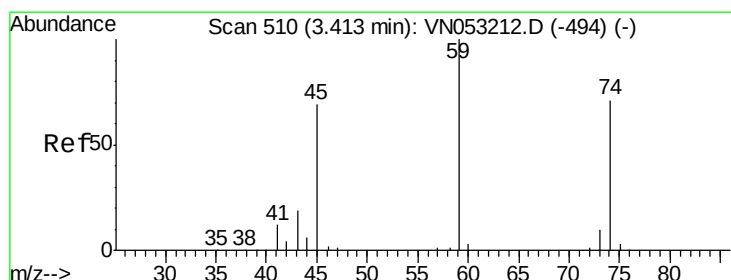
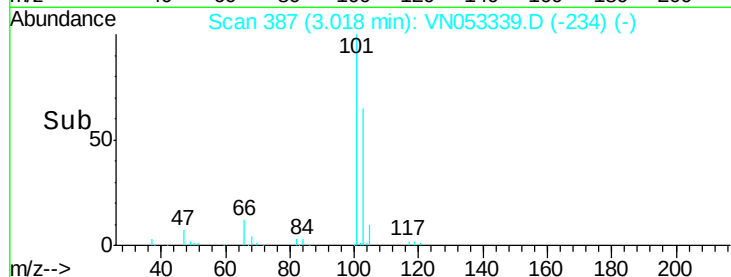
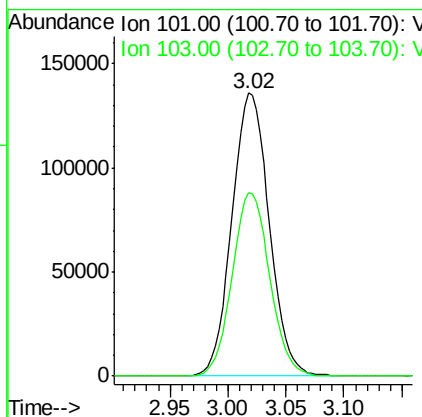
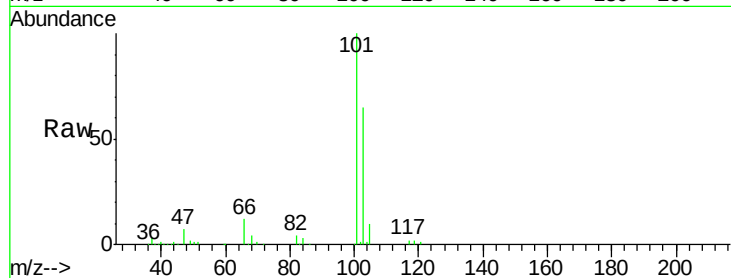
Trichlorofluoromethane  
 Concen: 19.865 ug/l  
 RT: 3.02 min Scan# 387  
 Delta R.T. -0.01 min  
 Lab File: VN053339.D  
 Acq: 10 Jan 2019 14:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0110WBSD01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 101     | 100  |       | 304296 |       |       |
| 103     | 64.8 | 52.1  | 78.1   |       |       |

Manual Integrations  
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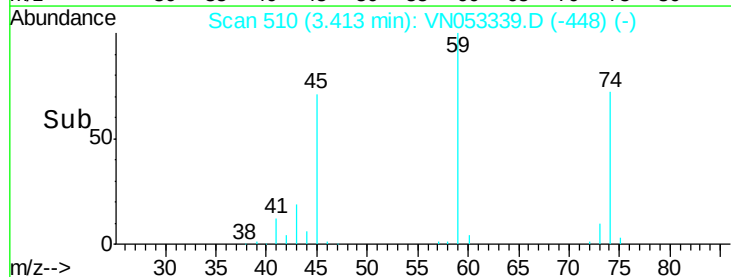
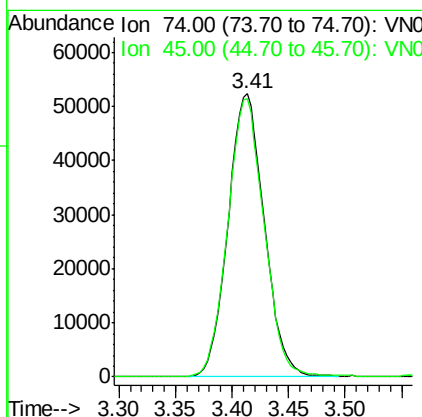
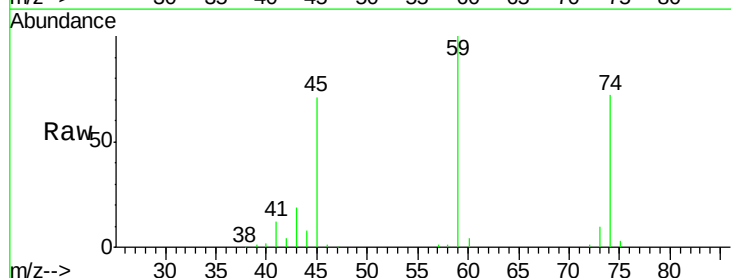
MMDadoda  
 1/11/2019 10:11:50 AM



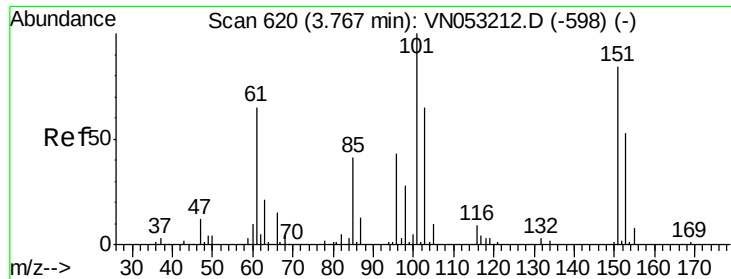
#8

Diethyl Ether  
 Concen: 20.595 ug/l  
 RT: 3.41 min Scan# 510  
 Delta R.T. -0.00 min  
 Lab File: VN053339.D  
 Acq: 10 Jan 2019 14:07

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 74      | 100  |       | 117210 |       |       |
| 45      | 98.6 | 20.6  | 185.8  |       |       |







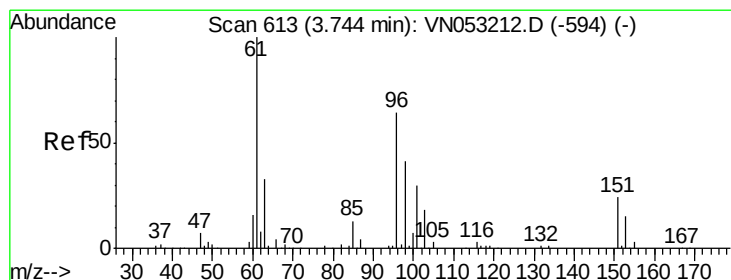
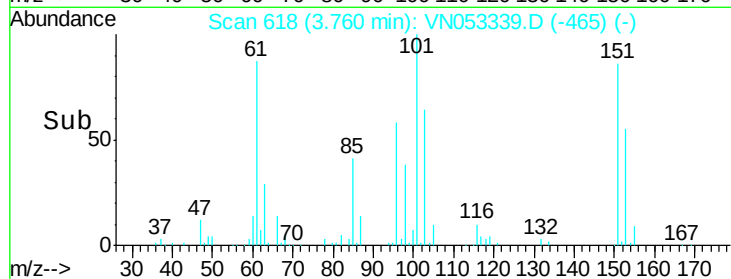
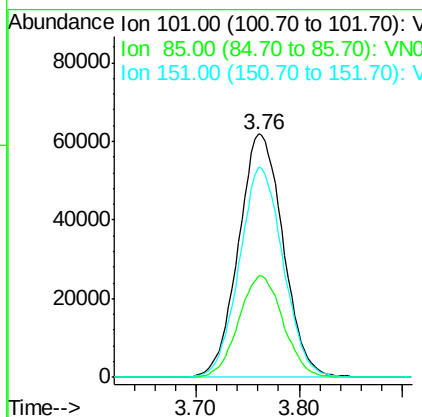
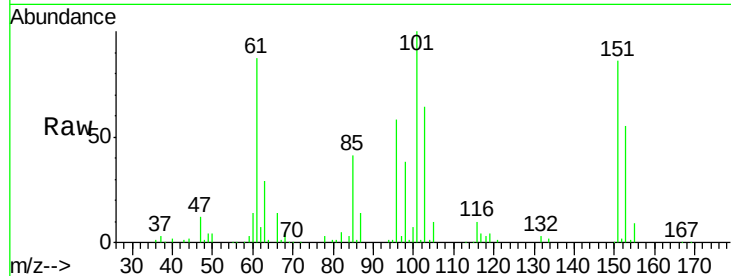
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 19.309 ug/l  
 RT: 3.76 min Scan# 618  
 Delta R.T. -0.01 min  
 Lab File: VN053339.D  
 Acq: 10 Jan 2019 14:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0110WBSD01

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 101     | 100   |            |       |
| 85      | 41.5  | 0.0        | 82.6  |
| 151     | 85.0  | 0.0        | 158.4 |

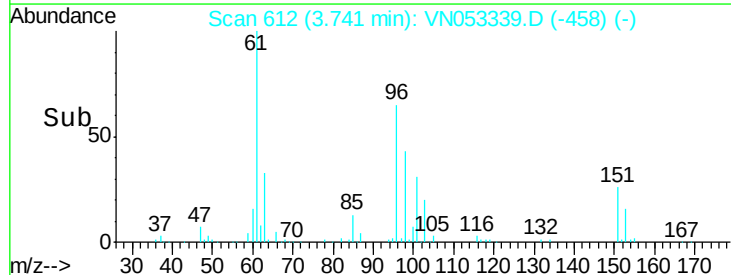
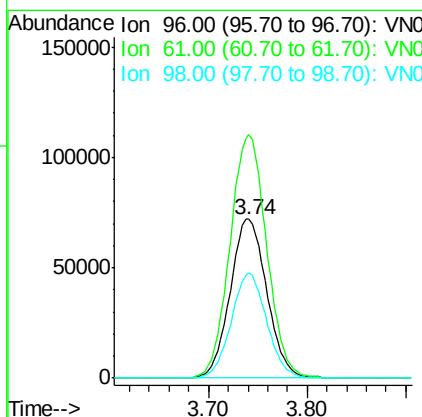
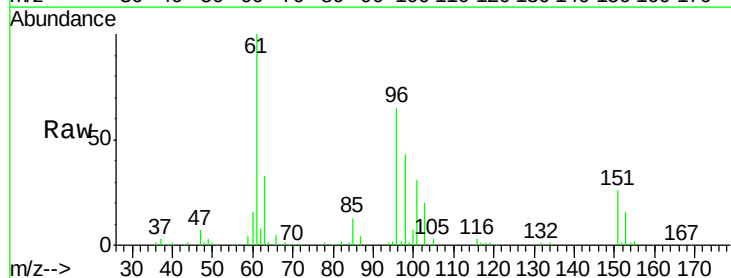
Manual Integrations  
 APPROVED

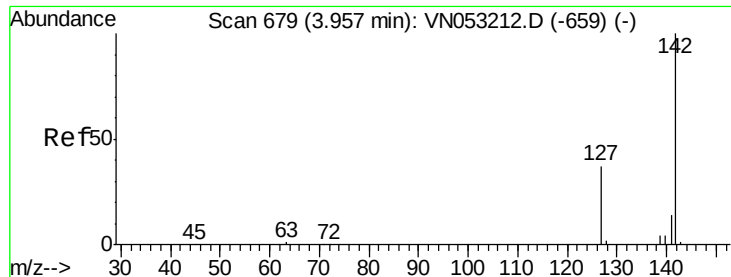
MMDadoda  
 1/11/2019 10:11:50 AM



#10  
 1,1-Dichloroethene  
 Concen: 19.866 ug/l  
 RT: 3.74 min Scan# 612  
 Delta R.T. -0.00 min  
 Lab File: VN053339.D  
 Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 96      | 100   |            |       |
| 61      | 153.0 | 129.4      | 194.2 |
| 98      | 66.2  | 50.4       | 75.6  |





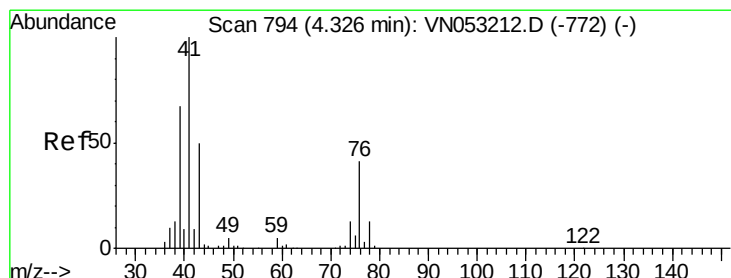
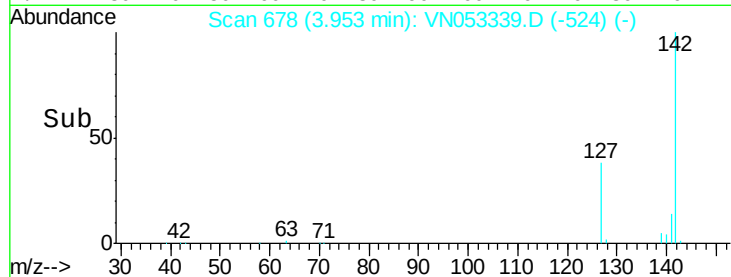
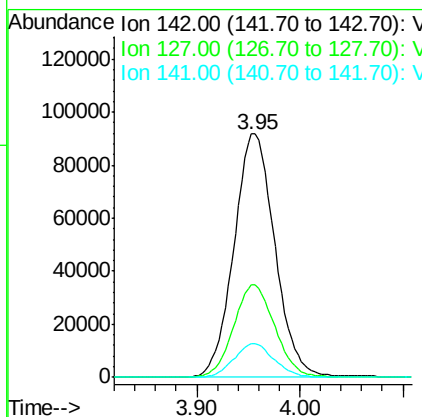
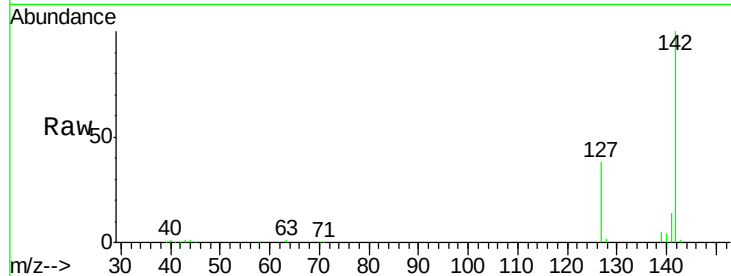
#11  
Methvl Iodide  
Concen: 18.436 ug/l  
RT: 3.95 min Scan# 678  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0110WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 37.7  | 19.4  | 58.1  |
| 141     | 14.1  | 7.2   | 21.6  |

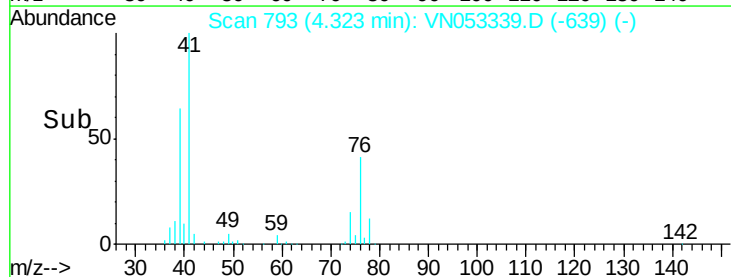
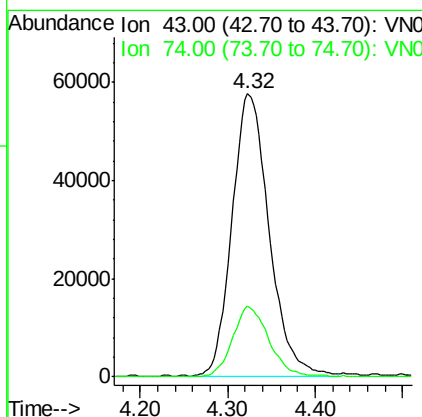
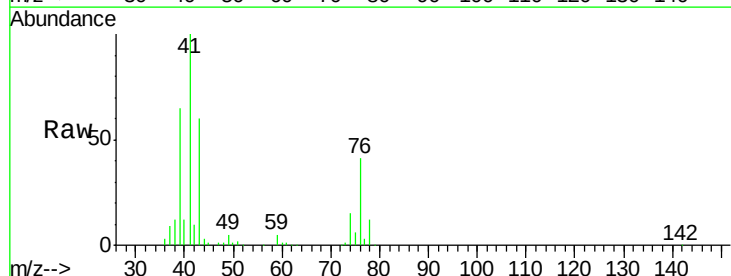
Manual Integrations  
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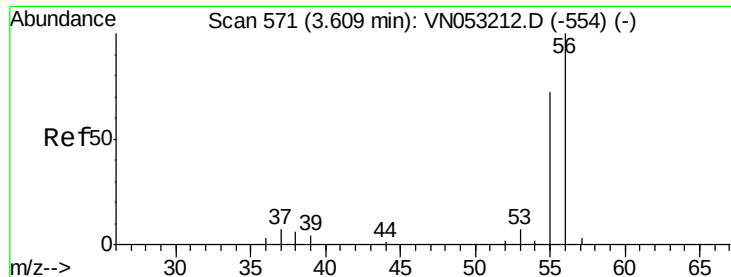
MMDadoda  
1/11/2019 10:11:50 AM



#12  
Methyl Acetate  
Concen: 23.017 ug/l  
RT: 4.32 min Scan# 793  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 25.0  | 18.9  | 28.3  |





#13

Acrolein

Concen: 108.092 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

Instrument :

MSVOA\_N

ClientSampleId :

VN0110WBSD01

Tot Ion: 56 Resp: 94475

Ion Ratio Lower Upper

56 100

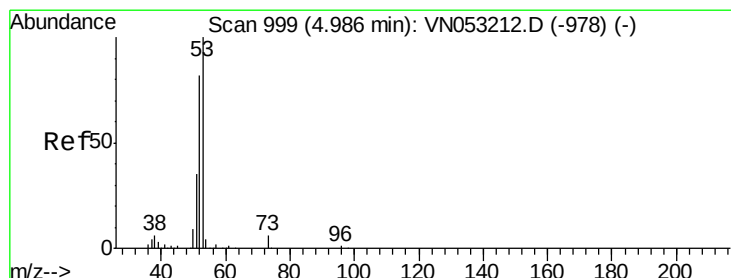
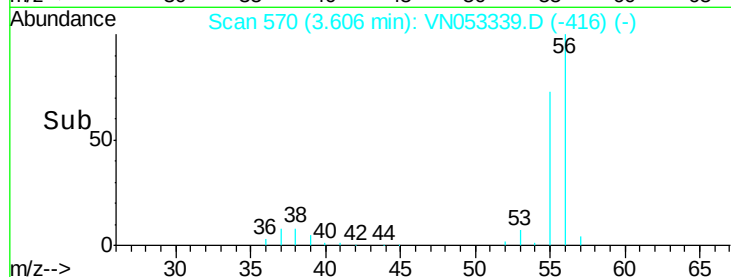
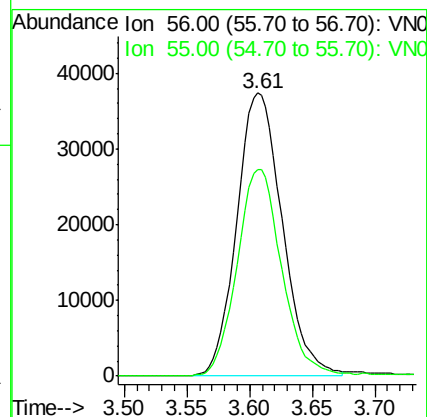
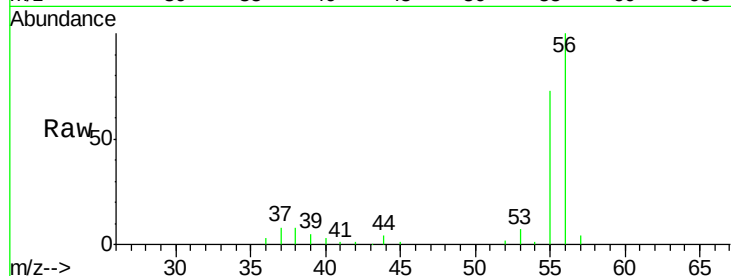
55 71.6 56.7 85.1

Manual Integrations

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1/11/2019 10:11:50 AM



#14

Acrylonitrile

Concen: 112.242 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

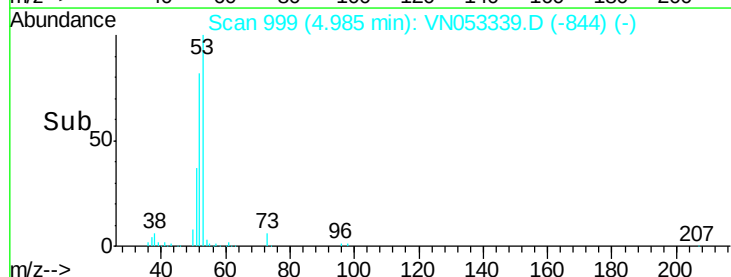
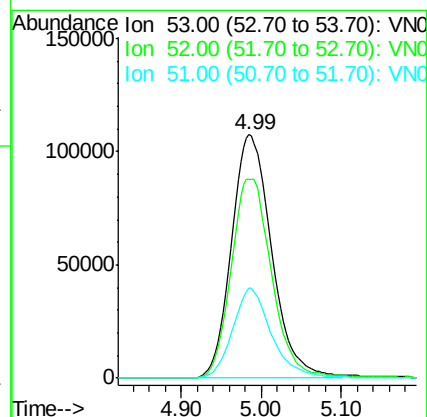
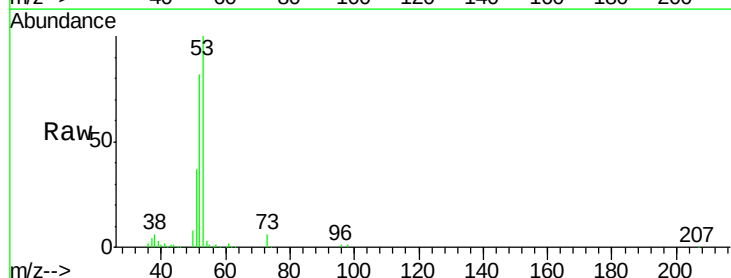
Tgt Ion: 53 Resp: 367592

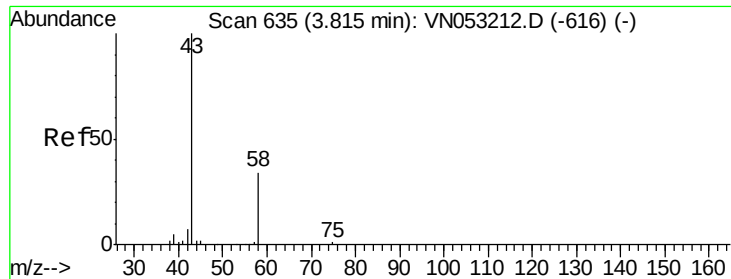
Ion Ratio Lower Upper

53 100

52 82.3 39.9 119.7

51 35.5 17.6 52.9





#15

Acetone

Concen: 118.034 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

Instrument :

MSVOA\_N

ClientSampleId :

VN0110WBSD01

Tot Ion: 58 Resp: 82155

Ion Ratio Lower Upper

58 100

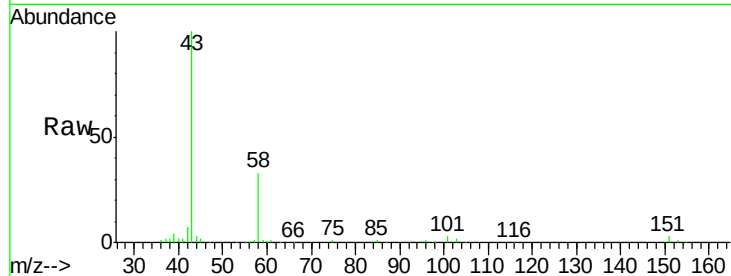
43 302.2 243.6 365.4

Manual Integrations

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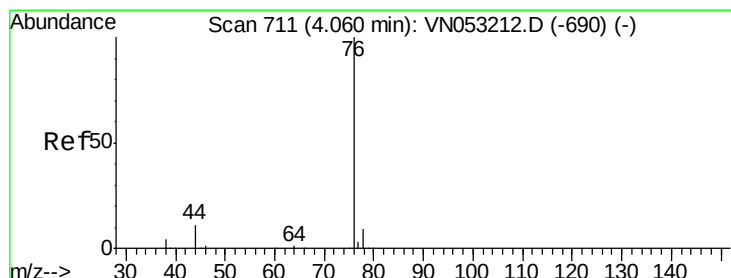
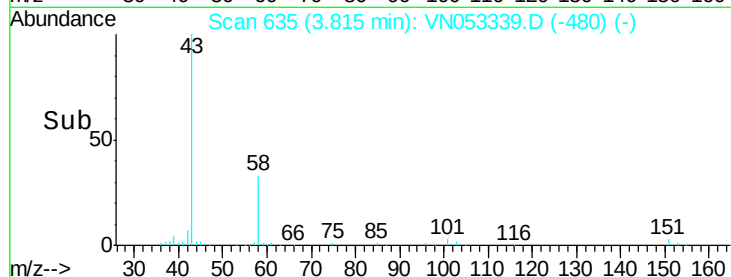
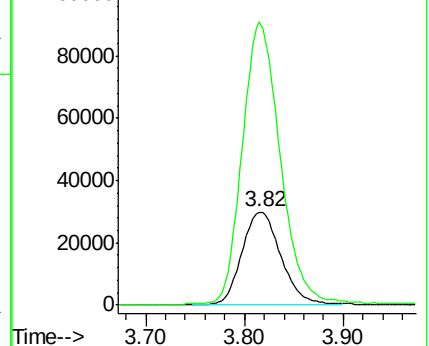
MMDadoda

1/11/2019 10:11:50 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.215 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053339.D

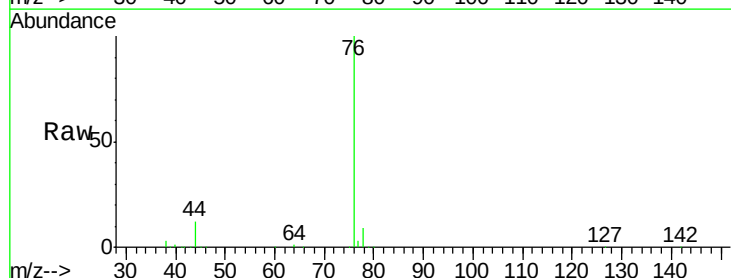
Acq: 10 Jan 2019 14:07

Tgt Ion: 76 Resp: 526309

Ion Ratio Lower Upper

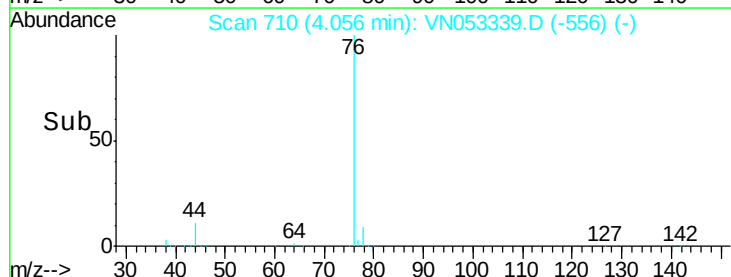
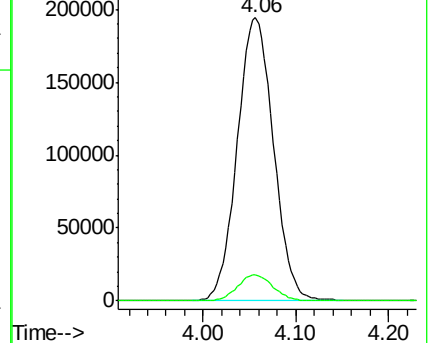
76 100

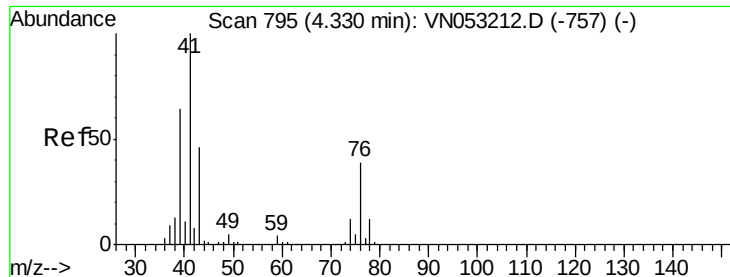
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





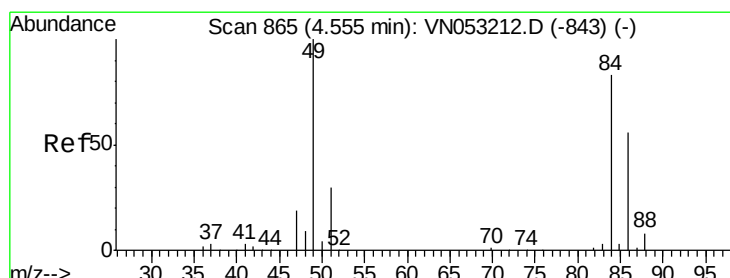
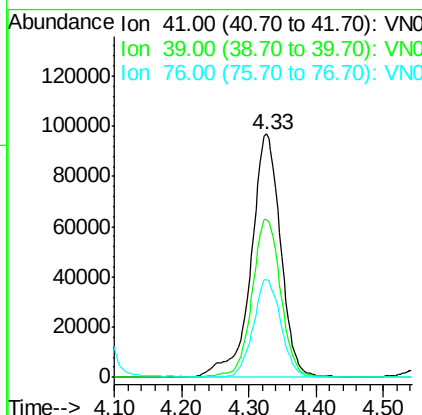
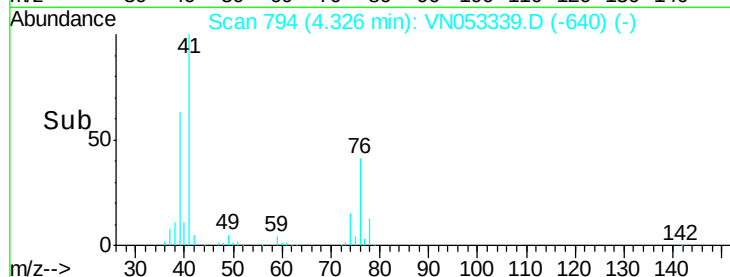
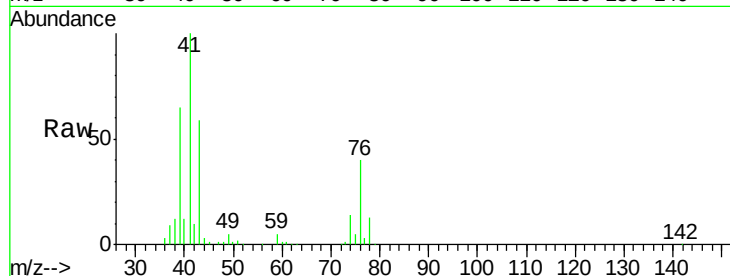
#17  
Allvl chloride  
Concen: 20.078 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0110WBSD01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 41      | 100  |       | 296660 |       |       |
| 39      | 64.8 | 32.8  | 98.3   |       |       |
| 76      | 40.0 | 18.6  | 55.8   |       |       |

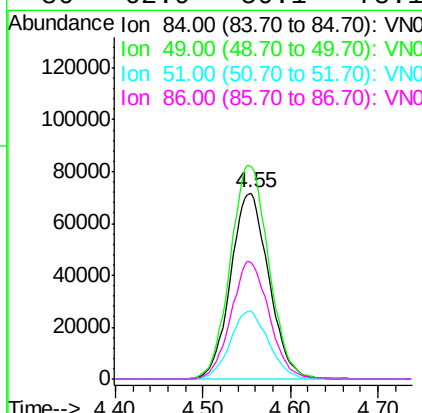
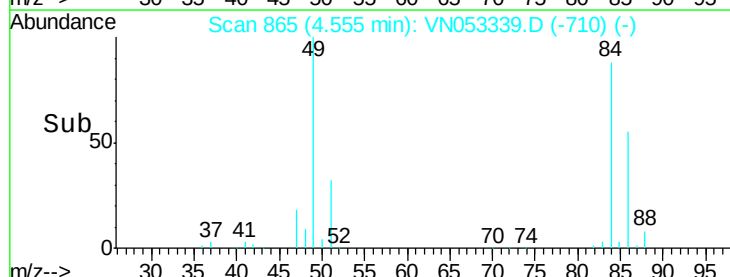
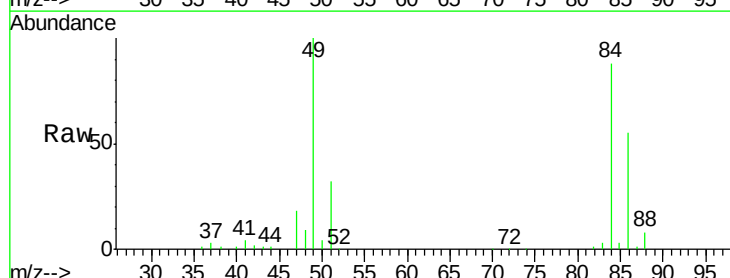
Manual Integrations  
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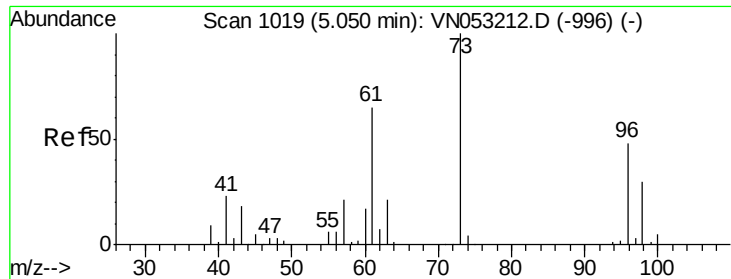
MMDadoda  
1/11/2019 10:11:50 AM



#18  
Methylene Chloride  
Concen: 20.225 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 84      | 100   |       | 217405 |       |       |
| 49      | 113.9 | 101.4 | 152.0  |       |       |
| 51      | 36.2  | 31.7  | 47.5   |       |       |
| 86      | 62.9  | 50.1  | 75.1   |       |       |





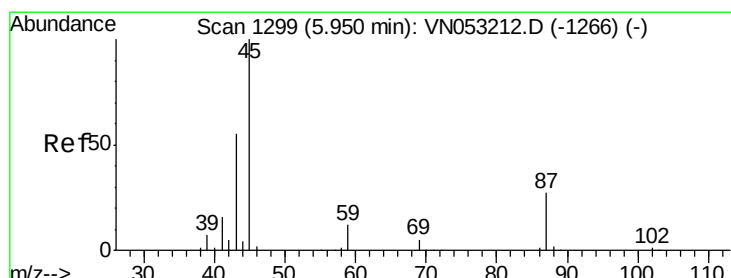
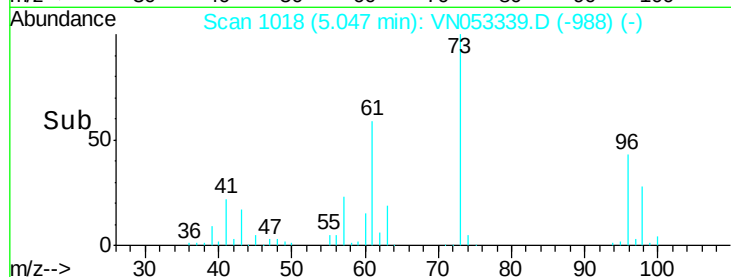
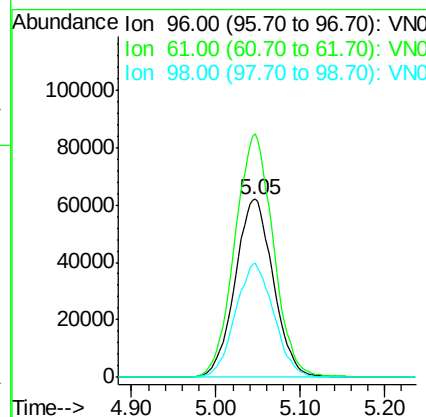
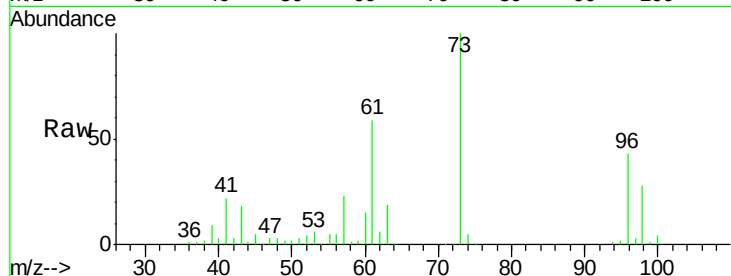
#19  
trans-1,2-Dichloroethene  
Concen: 19.683 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0110WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 136.5 | 118.2 | 177.4 |
| 98      | 64.0  | 51.4  | 77.2  |

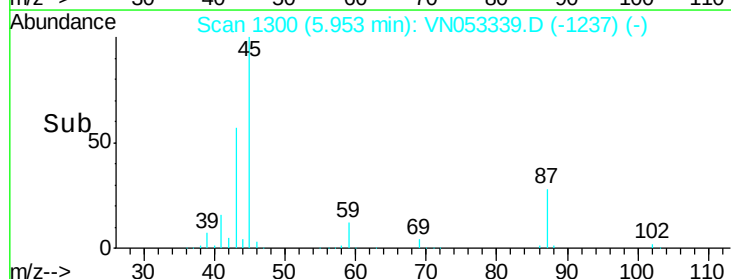
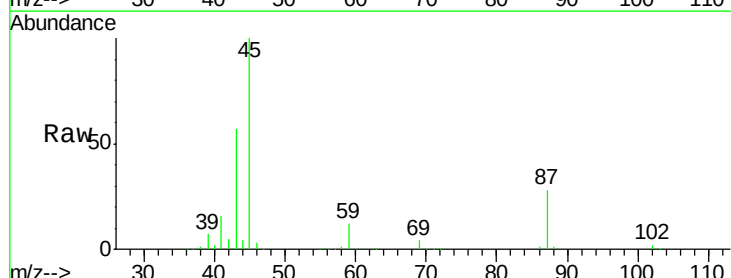
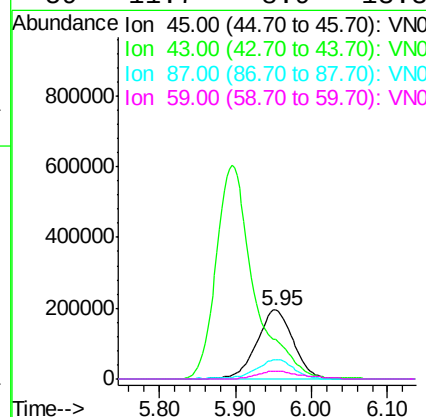
Manual Integrations  
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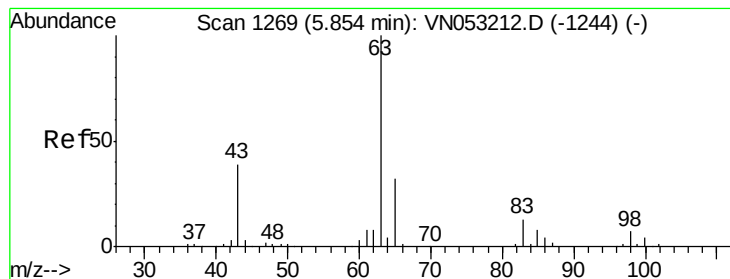
MMDadoda  
1/11/2019 10:11:50 AM



#20  
Diisopropyl ether  
Concen: 20.517 ug/l  
RT: 5.95 min Scan# 1300  
Delta R.T. 0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 55.3  | 47.8  | 71.8  |
| 87      | 27.8  | 21.3  | 31.9  |
| 59      | 11.7  | 8.9   | 13.3  |





#21

1,1-Dichloroethane

Concen: 20.406 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

Instrument :

MSVOA\_N

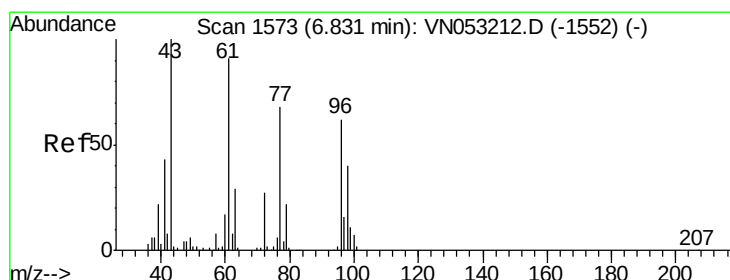
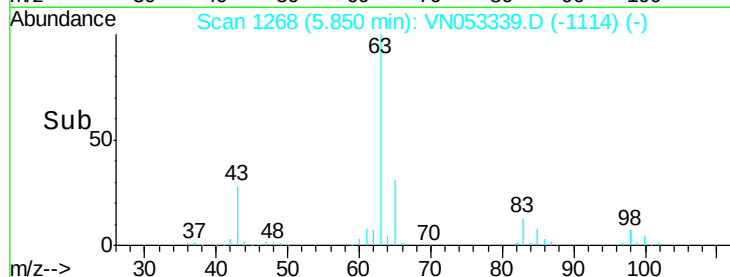
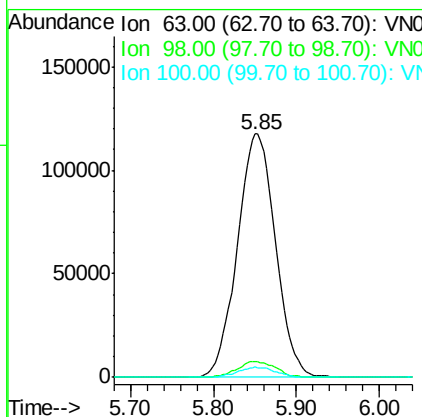
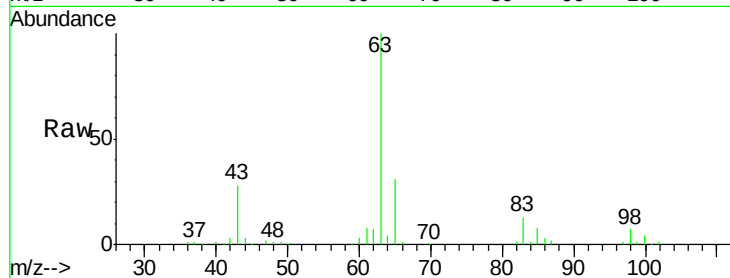
ClientSampleId :

VN0110WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 63    | Resp: | 375964 |
| Ion Ratio | Lower | Upper |        |
| 63        | 100   |       |        |
| 98        | 6.7   | 3.0   | 9.2    |
| 100       | 4.2   | 1.8   | 5.5    |

Manual Integrations  
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MMDadoda  
1/11/2019 10:11:50 AM



#22

cis-1,2-Dichloroethene

Concen: 20.425 ug/l

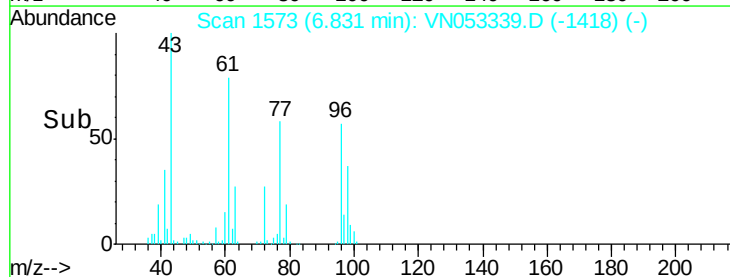
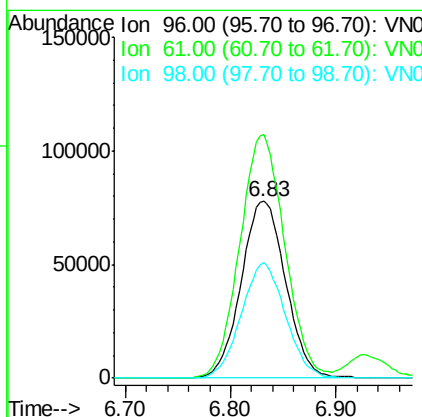
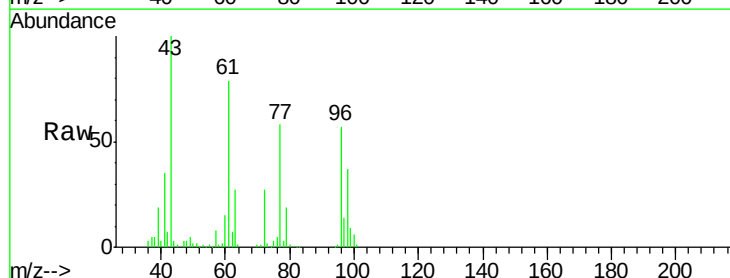
RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

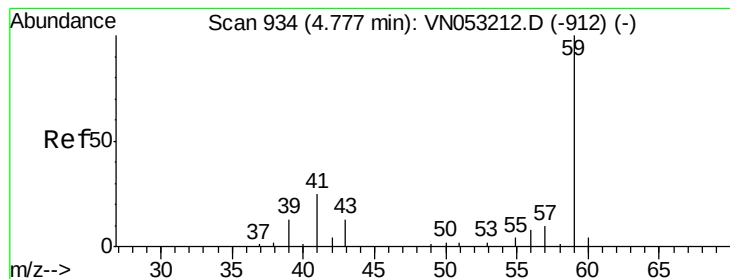
Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 96    | Resp: | 228382 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 139.4 | 116.7 | 175.1  |
| 98        | 64.8  | 50.8  | 76.2   |







#23

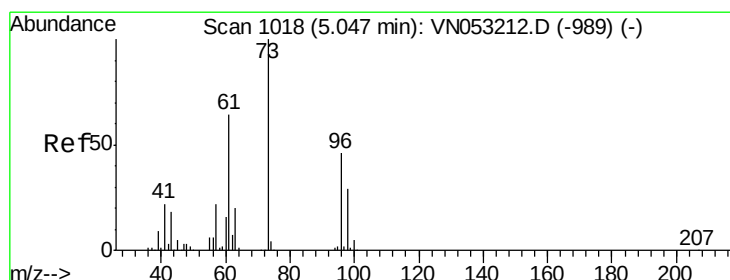
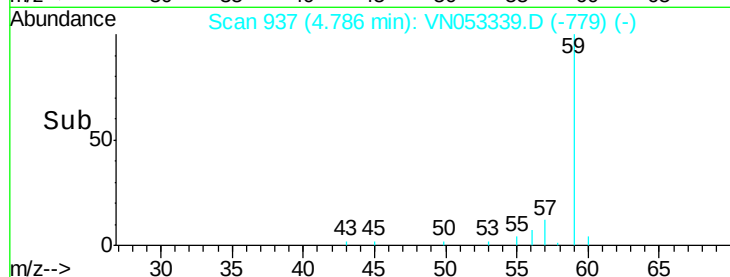
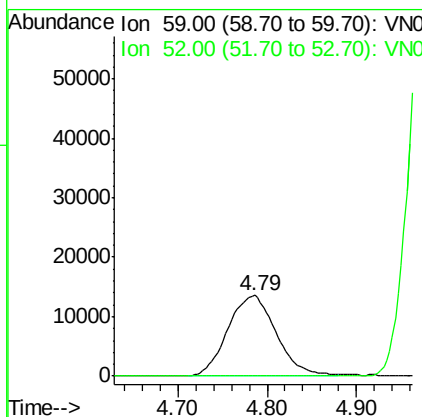
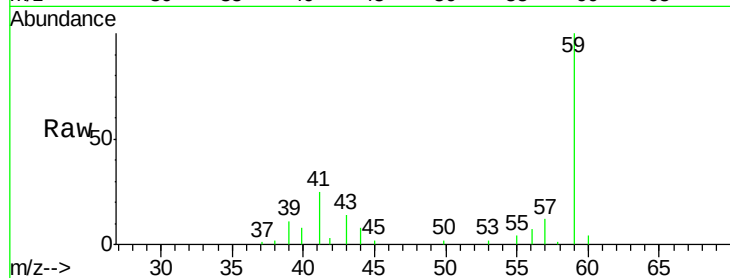
tert-Butyl Alcohol  
 Concen: 92.681 ug/l  
 RT: 4.79 min Scan# 937  
 Delta R.T. 0.01 min  
 Lab File: VN053339.D  
 Acq: 10 Jan 2019 14:07

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0110WBSD01

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

Manual Integrations  
 APPROVED

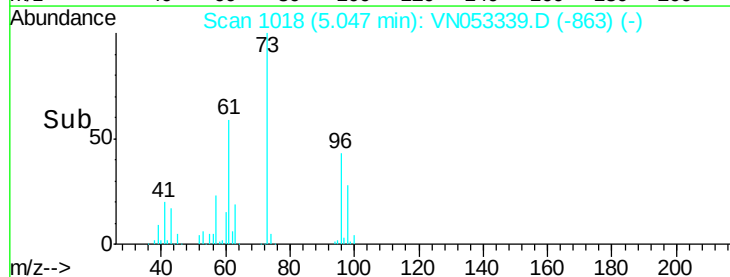
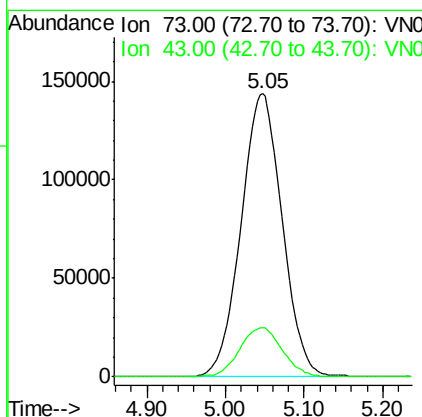
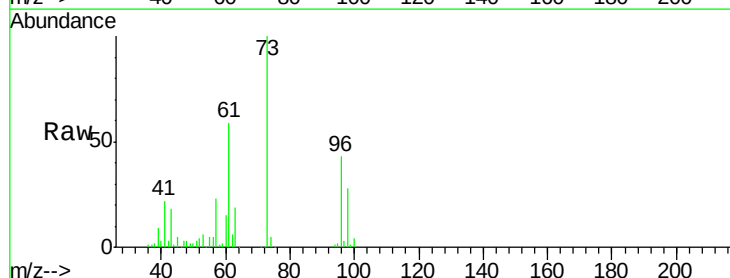
MMDadoda  
 1/11/2019 10:11:50 AM

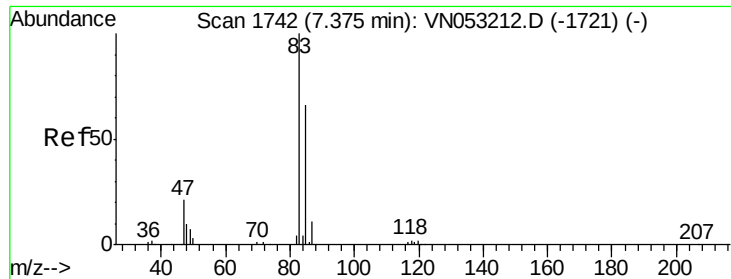


#24

Methyl tert-Butyl Ether  
 Concen: 21.620 ug/l  
 RT: 5.05 min Scan# 1018  
 Delta R.T. -0.00 min  
 Lab File: VN053339.D  
 Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 43      | 17.9  | 15.8  | 23.8  |





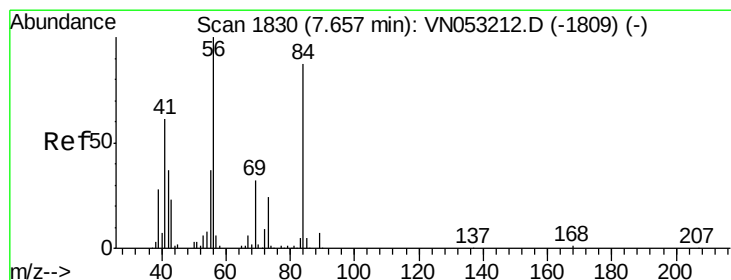
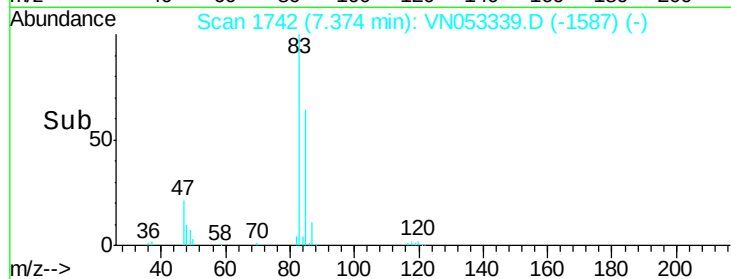
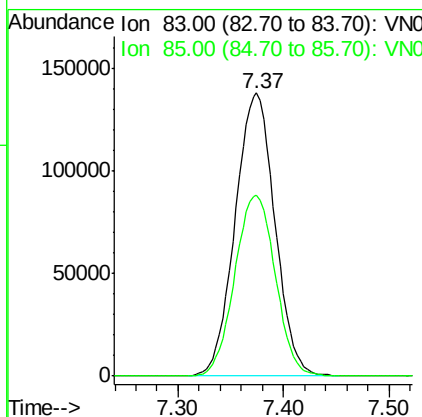
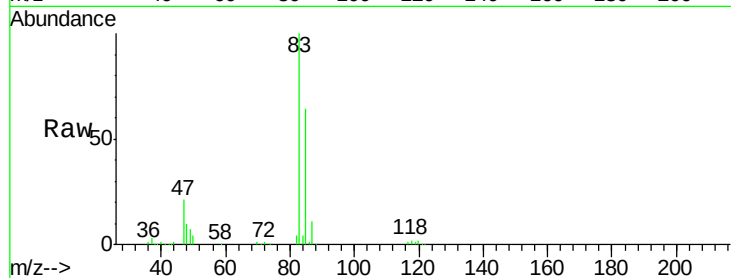
#25  
Chloroform  
Concen: 20.431 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0110WBSD01

| Tot Ion   | 83   | Resp  | 361828 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 63.7 | 51.7  | 77.5   |

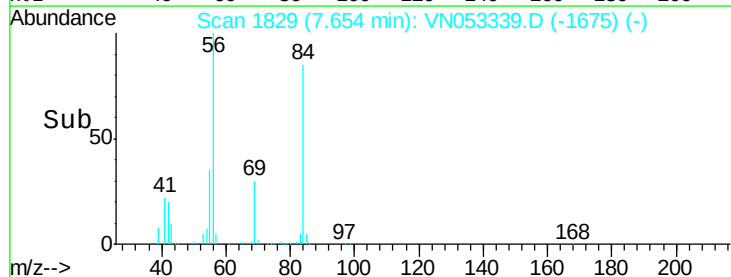
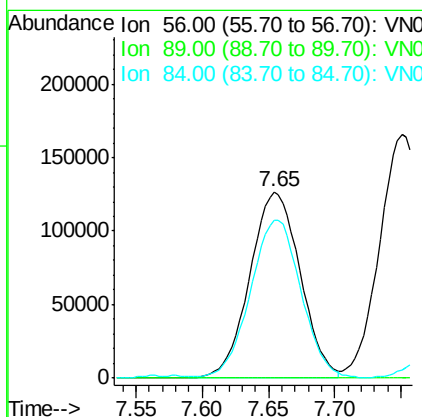
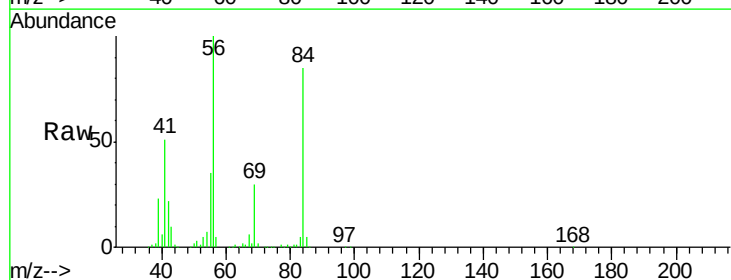
Manual Integrations  
APPROVED

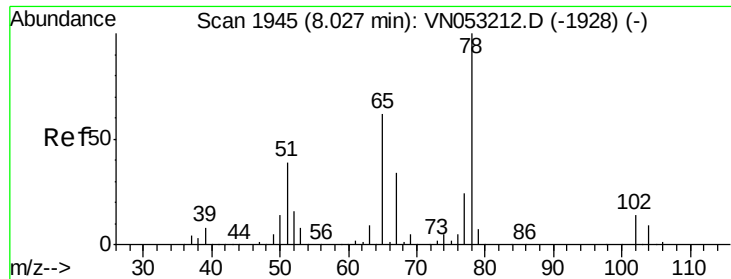
MMDadoda  
1/11/2019 10:11:50 AM



#26  
Cyclohexane  
Concen: 19.433 ug/l  
RT: 7.65 min Scan# 1829  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

| Tgt Ion   | 56   | Resp  | 333947 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 56        | 100  |       |        |
| 89        | 0.0  | 0.5   | 0.7#   |
| 84        | 84.6 | 66.2  | 99.2   |





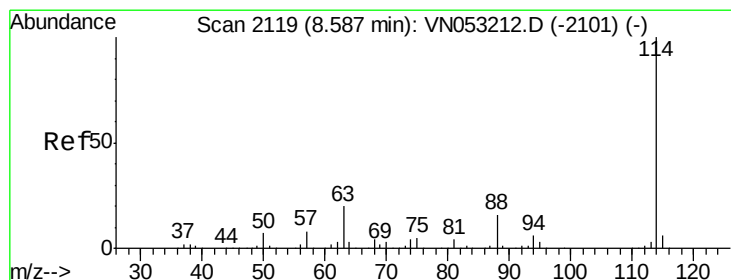
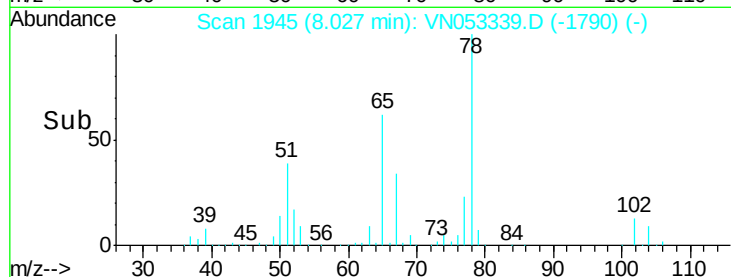
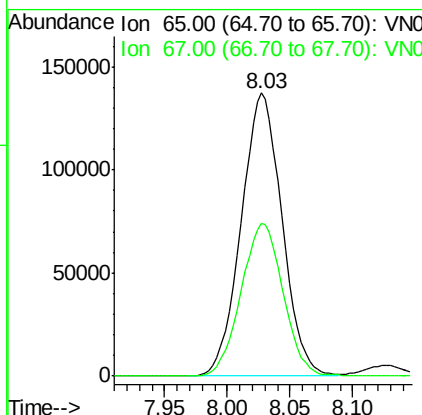
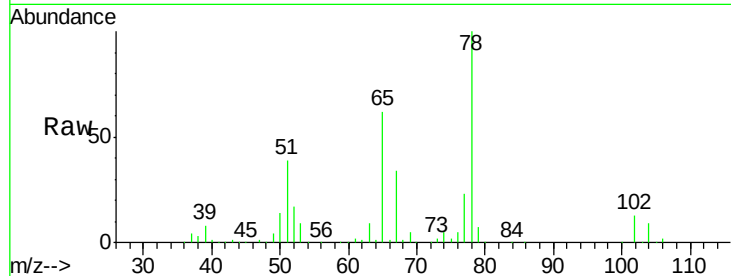
#27  
 1,2-Dichloroethane-d4  
 Concen: 19.433 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN053339.D  
 Acq: 10 Jan 2019 14:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0110WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 55.4  | 44.6  | 66.8  |

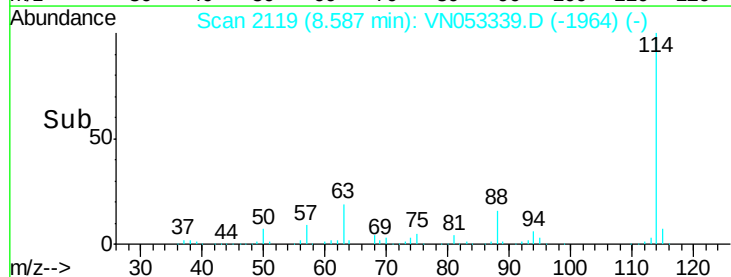
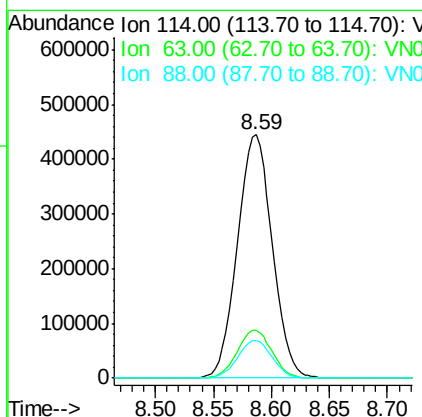
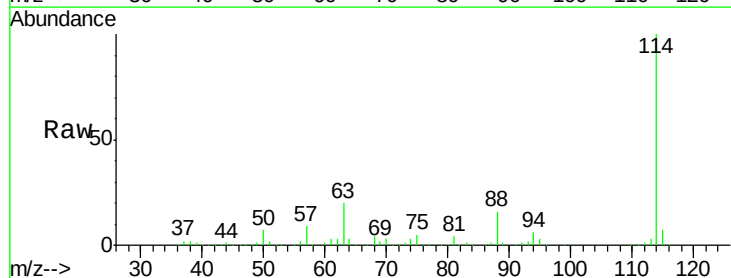
Manual Integrations  
 APPROVED

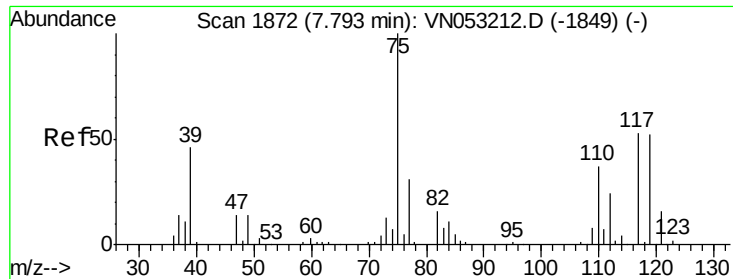
MMDadoda  
 1/11/2019 10:11:50 AM



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN053339.D  
 Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.7  | 16.9  | 25.3  |
| 88      | 15.4  | 12.8  | 19.2  |





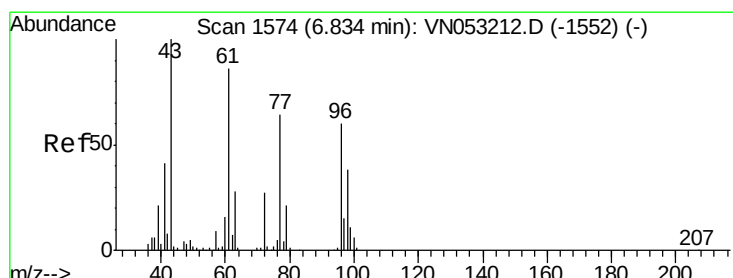
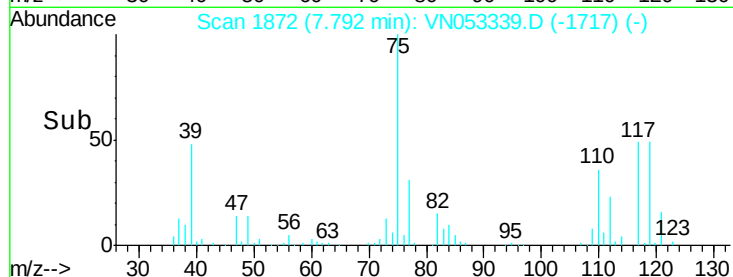
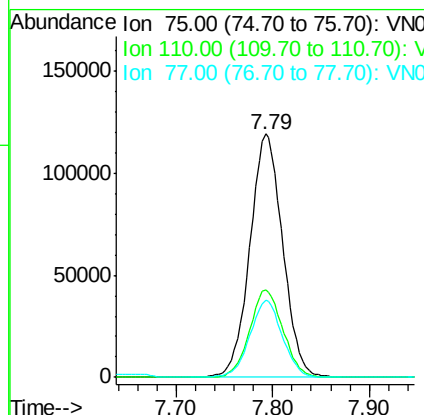
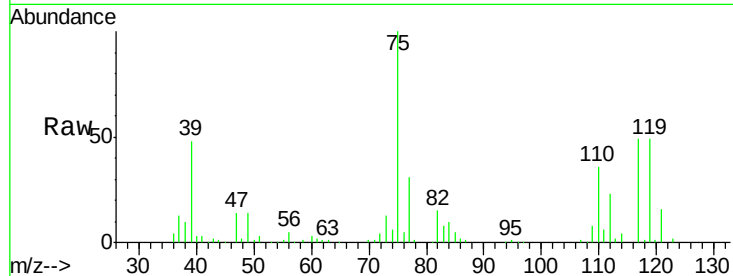
#29  
 1,1-Dichloropropene  
 Concen: 19.968 ug/l  
 RT: 7.79 min Scan# 1872  
 Delta R.T. -0.00 min  
 Lab File: VN053339.D  
 Acq: 10 Jan 2019 14:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0110WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.3  | 0.0   | 70.2  |
| 77      | 31.5  | 0.0   | 62.6  |

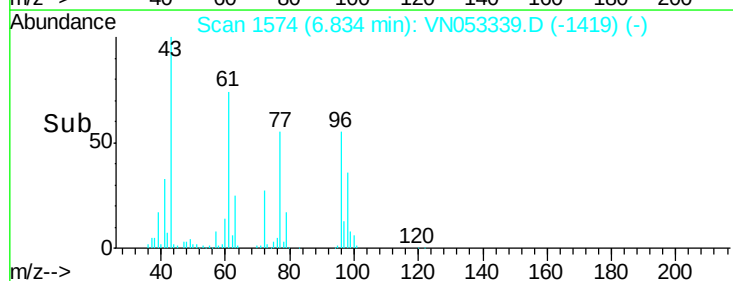
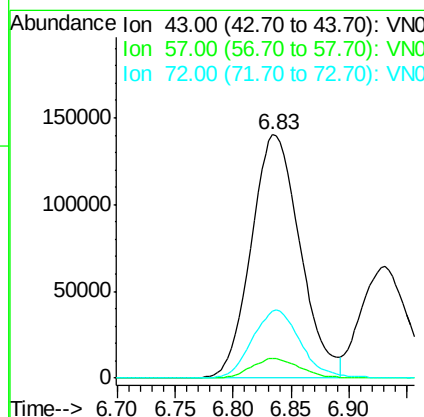
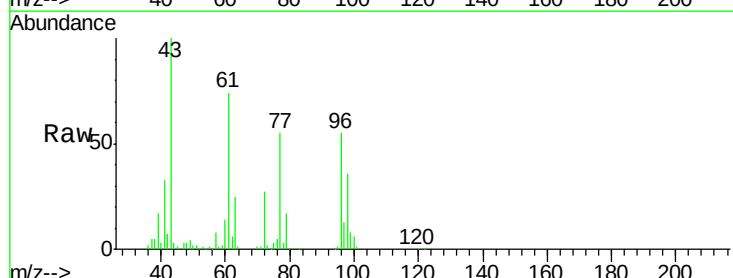
Manual Integrations  
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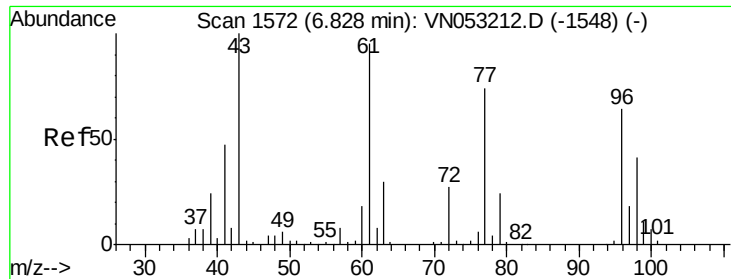
MMDadoda  
 1/11/2019 10:11:50 AM



#30  
 2-Butanone  
 Concen: 116.717 ug/l  
 RT: 6.83 min Scan# 1574  
 Delta R.T. -0.00 min  
 Lab File: VN053339.D  
 Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 57      | 8.2   | 6.2   | 9.4   |
| 72      | 27.6  | 21.0  | 31.6  |





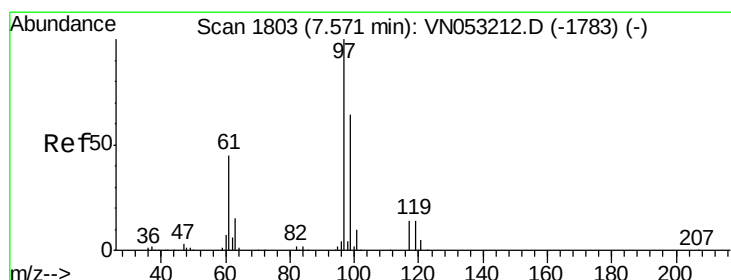
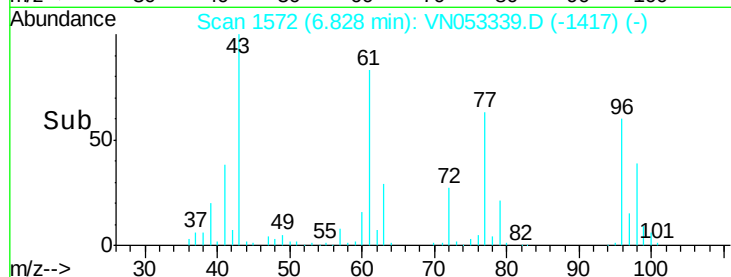
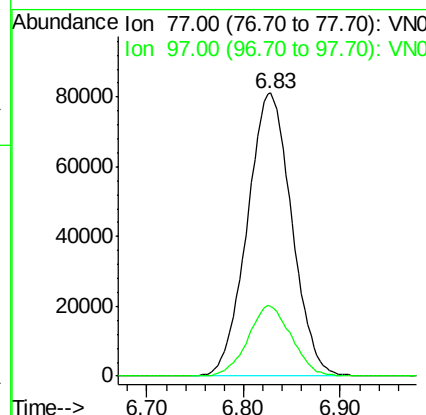
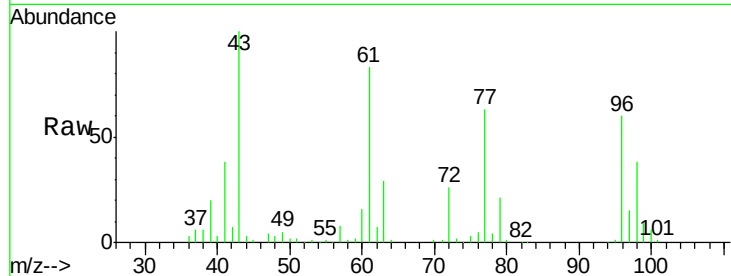
#31  
 2,2-Dichloropropane  
 Concen: 19.019 ug/l  
 RT: 6.83 min Scan# 1572  
 Delta R.T. -0.00 min  
 Lab File: VN053339.D  
 Acq: 10 Jan 2019 14:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0110WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 97      | 24.3  | 18.7  | 28.1  |

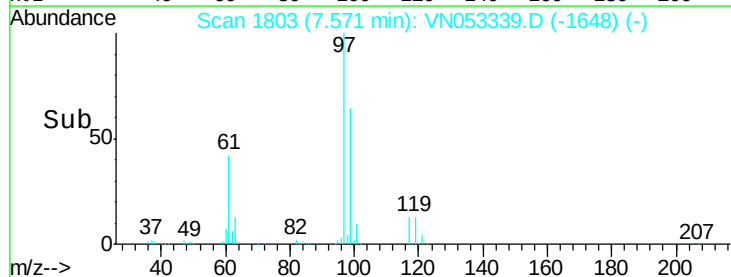
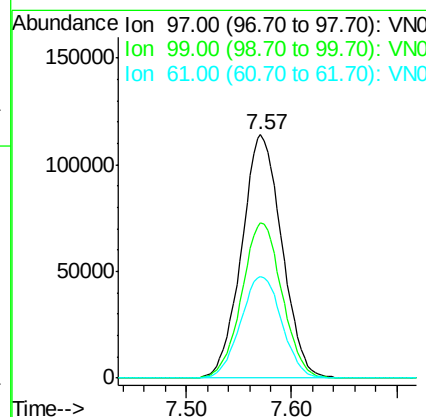
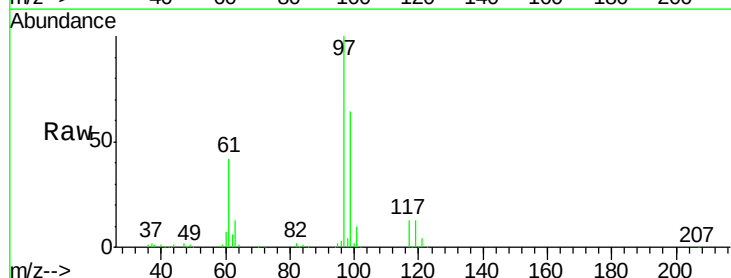
Manual Integrations  
 APPROVED

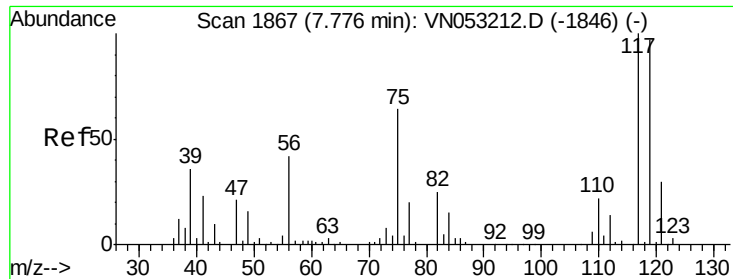
MMDadoda  
 1/11/2019 10:11:50 AM



#32  
 1,1,1-Trichloroethane  
 Concen: 20.519 ug/l  
 RT: 7.57 min Scan# 1803  
 Delta R.T. -0.00 min  
 Lab File: VN053339.D  
 Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.8  | 50.9  | 76.3  |
| 61      | 42.7  | 38.1  | 57.1  |





#33

Carbon Tetrachloride

Concen: 19.944 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

Instrument :

MSVOA\_N

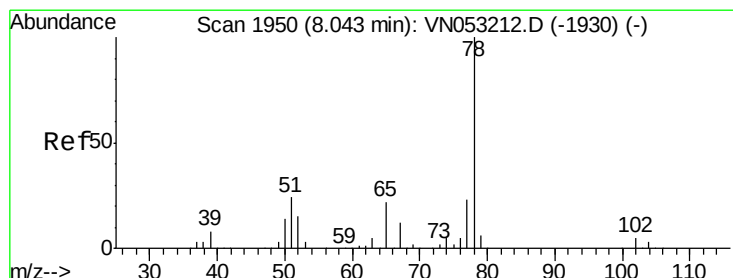
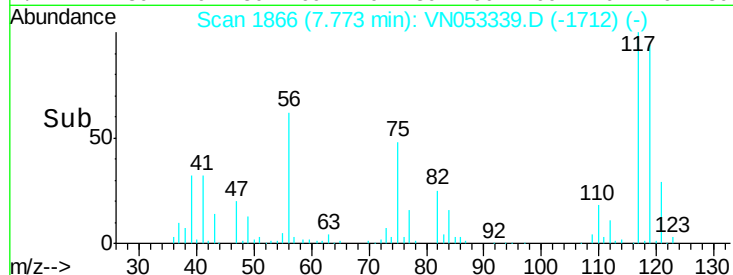
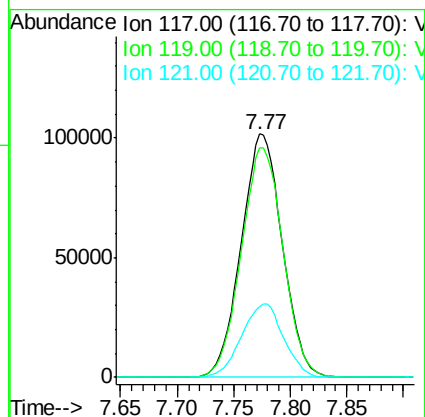
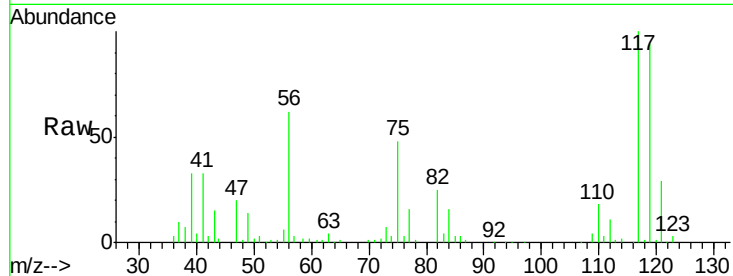
ClientSampled :

VN0110WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 257251 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 94.1  | 77.3  | 115.9  |
| 121       | 28.9  | 24.9  | 37.3   |

Manual Integrations  
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MMDadoda  
1/11/2019 10:11:50 AM



#34

Benzene

Concen: 20.305 ug/l

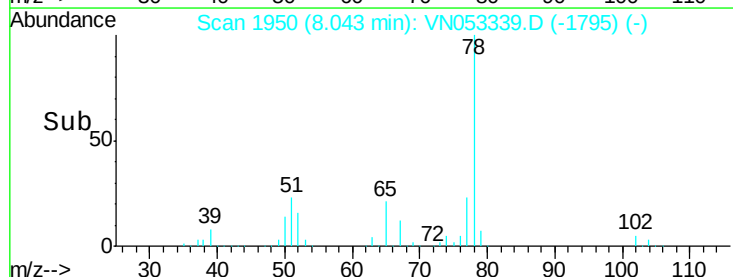
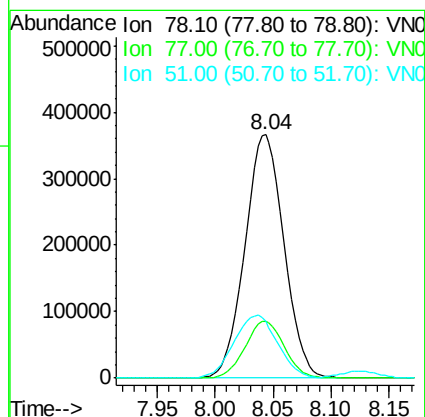
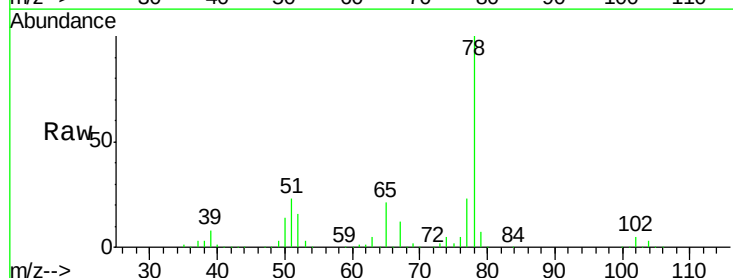
RT: 8.04 min Scan# 1950

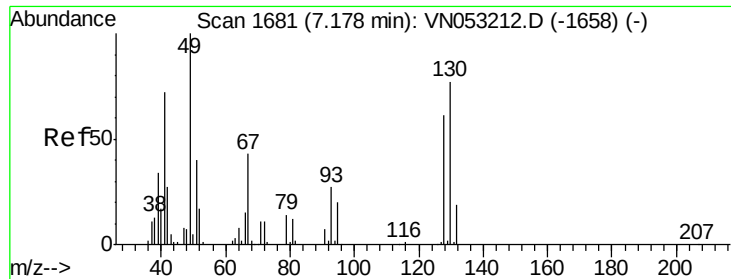
Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 78    | Resp: | 858227 |
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 23.2  | 19.0  | 28.6   |
| 51        | 23.2  | 20.5  | 30.7   |





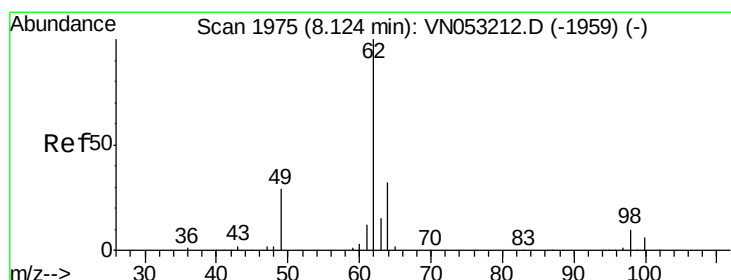
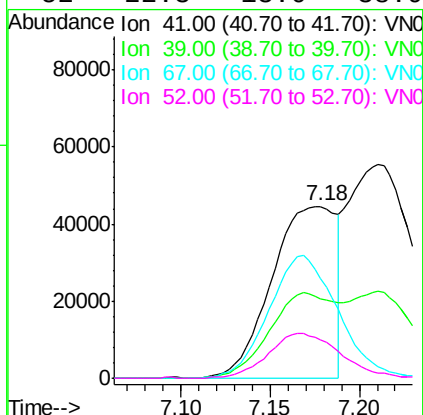
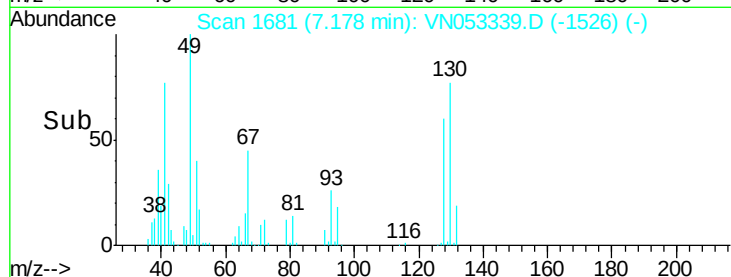
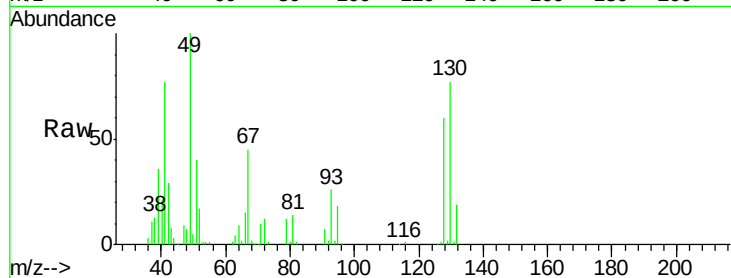
#35  
Methacrylonitrile  
Concen: 24.803 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0110WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 46.6  | 26.6  | 79.7  |
| 67      | 58.1  | 32.3  | 96.9  |
| 52      | 22.3  | 13.0  | 38.9  |

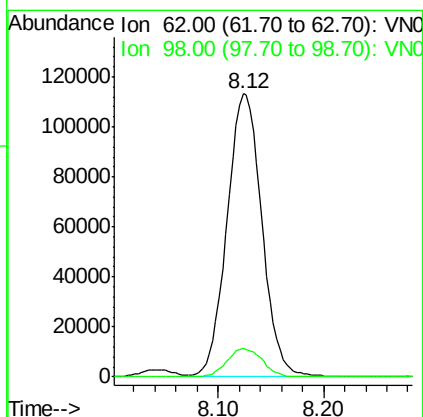
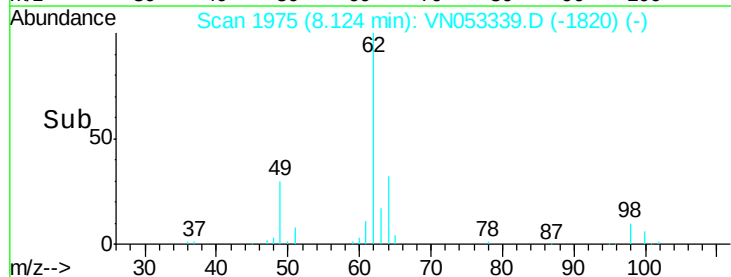
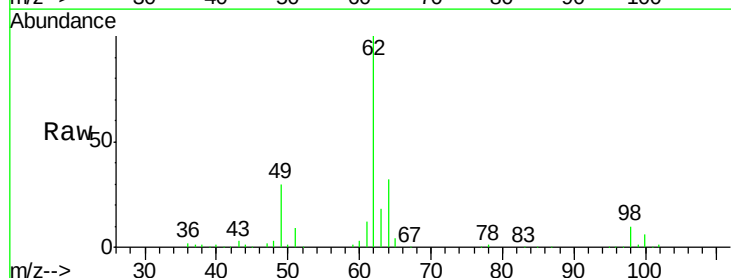
Manual Integrations  
APPROVED

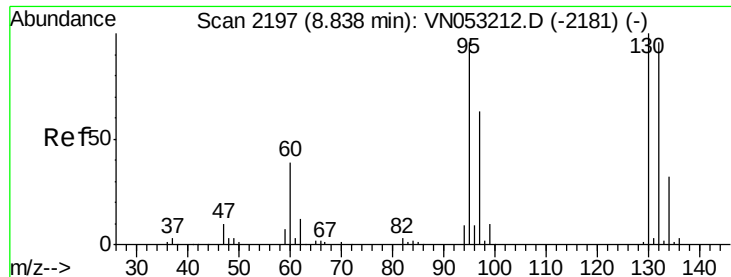
MMDadoda  
1/11/2019 10:11:50 AM



#36  
1,2-Dichloroethane  
Concen: 21.067 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.3  | 7.4   | 11.2  |





#37

Trichloroethene

Concen: 20.282 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

Instrument :

MSVOA\_N

ClientSampleId :

VN0110WBSD01

Tot Ion:130 Resp: 232238

Ion Ratio Lower Upper

130 100

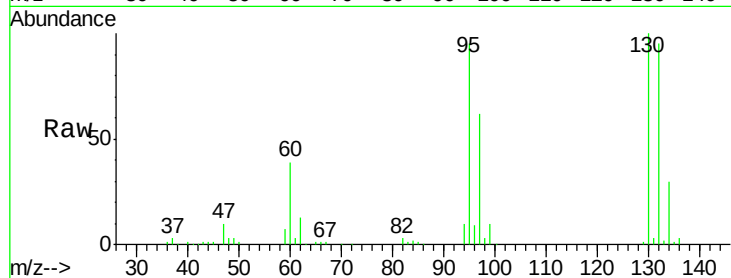
95 95.3 81.0 121.4

Manual Integrations

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MMDadoda

1/11/2019 10:11:50 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

120000

100000

80000

60000

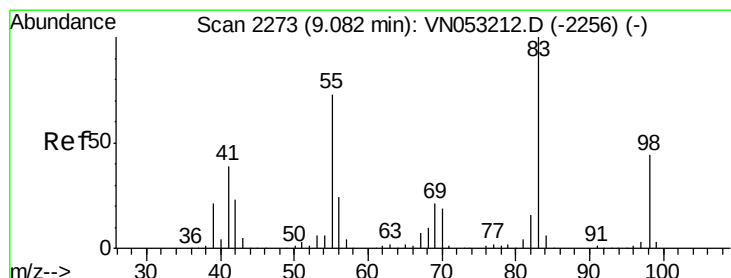
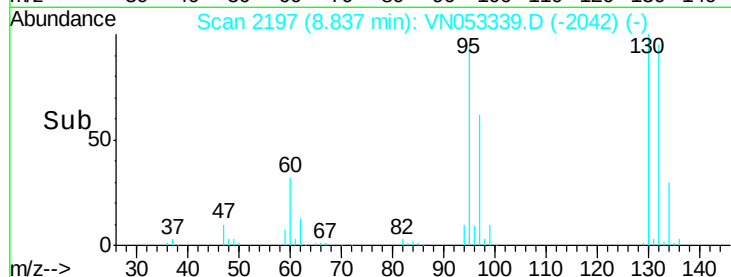
40000

20000

0

8.80 8.90

Time-->



#38

Methylcyclohexane

Concen: 20.415 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

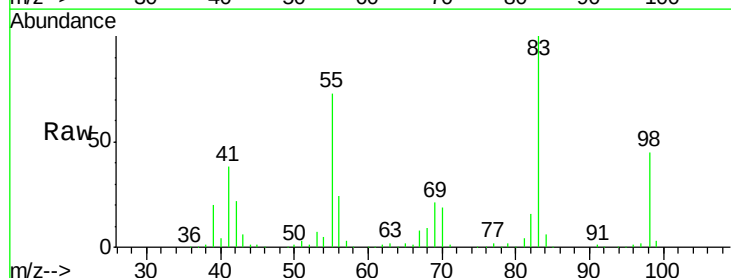
Tgt Ion: 83 Resp: 335828

Ion Ratio Lower Upper

83 100

55 74.1 39.8 119.4

98 45.8 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

200000

150000

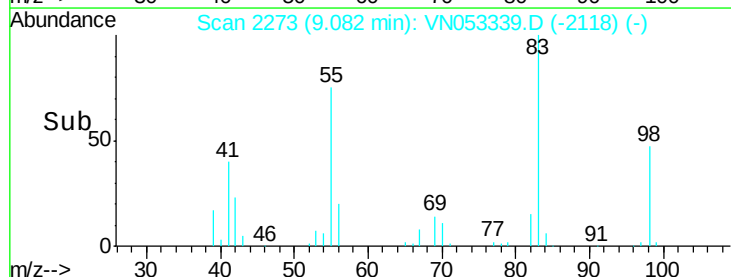
100000

50000

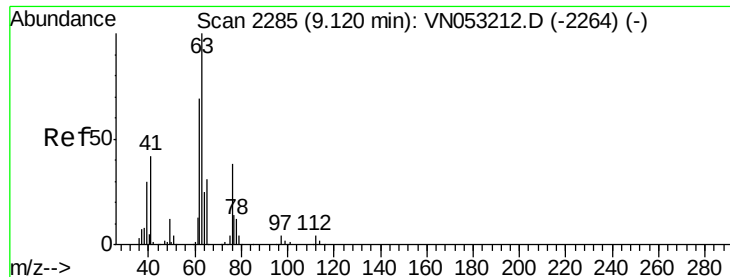
0

9.00 9.05 9.10 9.15

Time-->







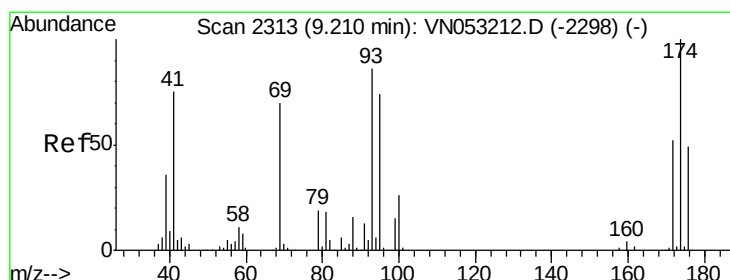
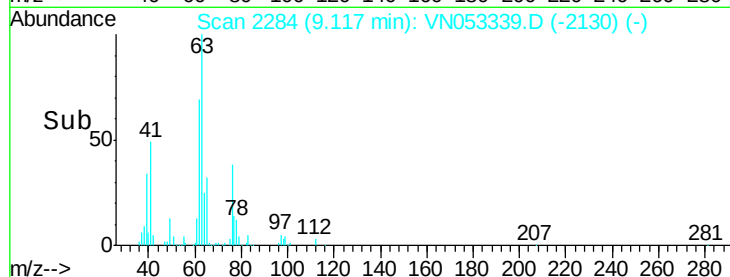
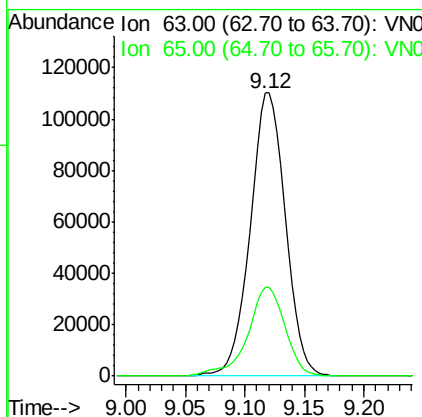
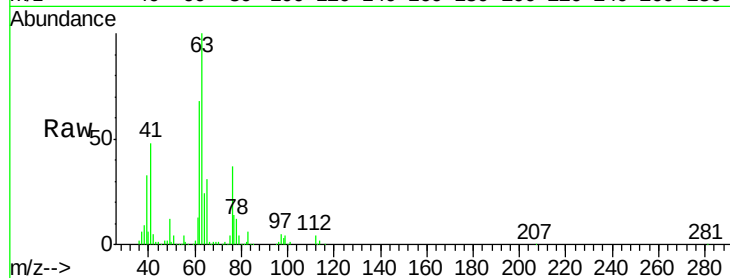
#39  
 1,2-Dichloropropane  
 Concen: 20.489 ug/l  
 RT: 9.12 min Scan# 2284  
 Delta R.T. -0.00 min  
 Lab File: VN053339.D  
 Acq: 10 Jan 2019 14:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0110WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.3  | 23.6  | 35.4  |

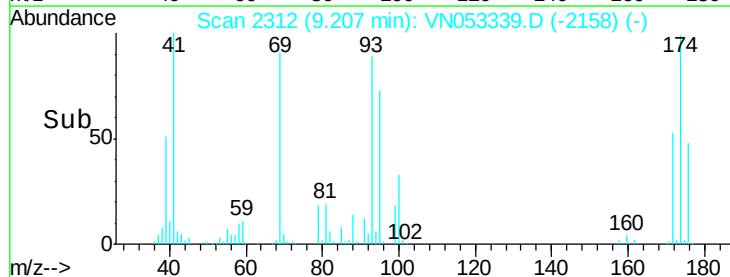
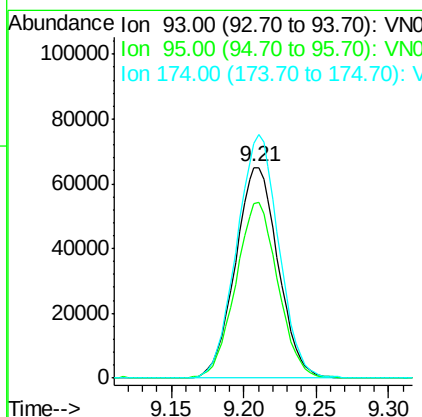
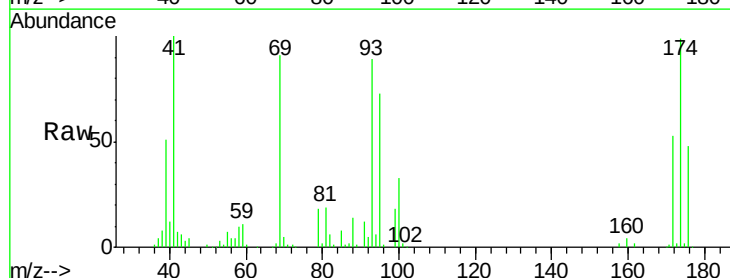
Manual Integrations  
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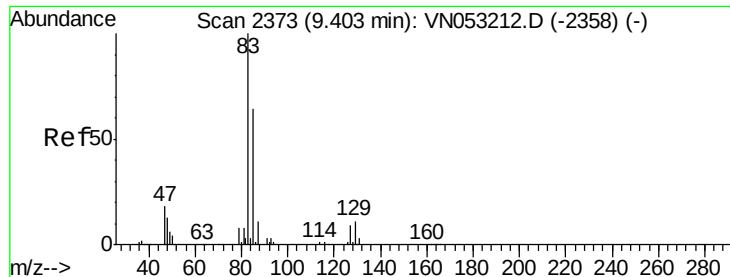
MMDadoda  
 1/11/2019 10:11:50 AM



#40  
 Dibromomethane  
 Concen: 21.400 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. -0.00 min  
 Lab File: VN053339.D  
 Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.1  | 0.0   | 168.4 |
| 174     | 113.5 | 0.0   | 210.0 |





#41

Bromodichloromethane

Concen: 20.048 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

Instrument :

MSVOA\_N

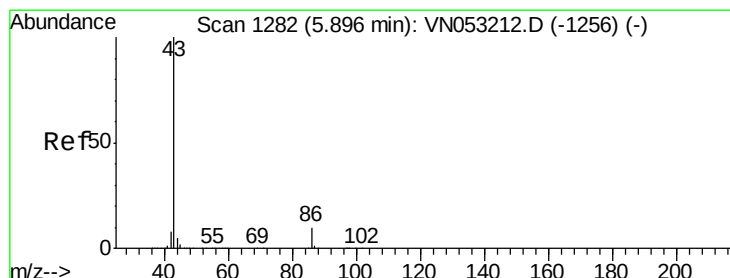
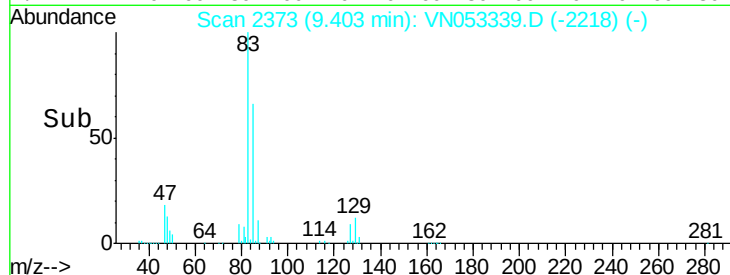
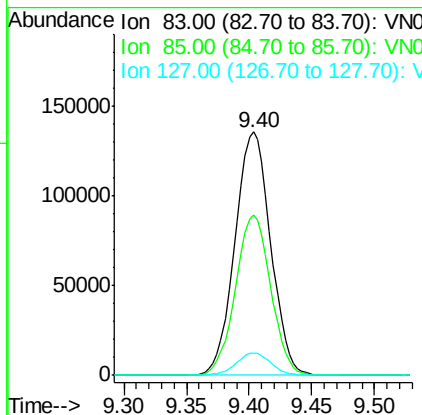
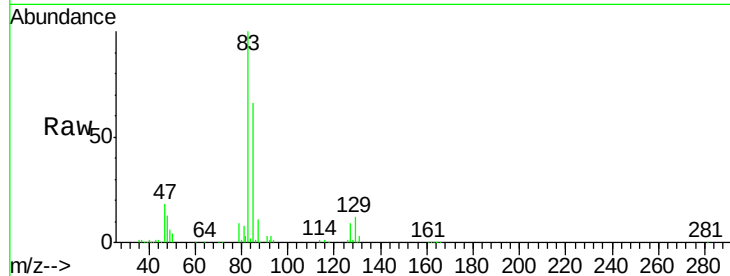
ClientSampled :

VN0110WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 268739 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 65.7  | 52.4  | 78.6   |
| 127       | 9.3   | 6.6   | 9.8    |

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#42

Vinyl Acetate

Concen: 108.828 ug/l

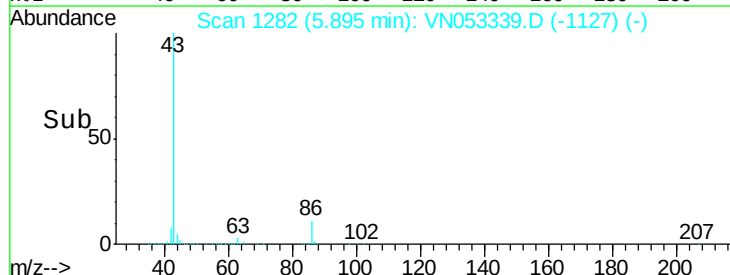
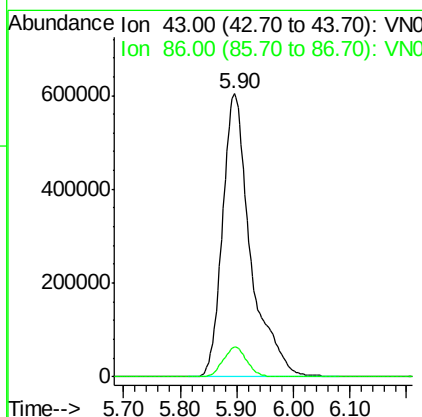
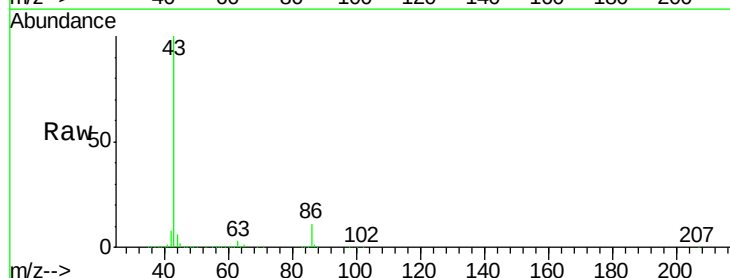
RT: 5.90 min Scan# 1282

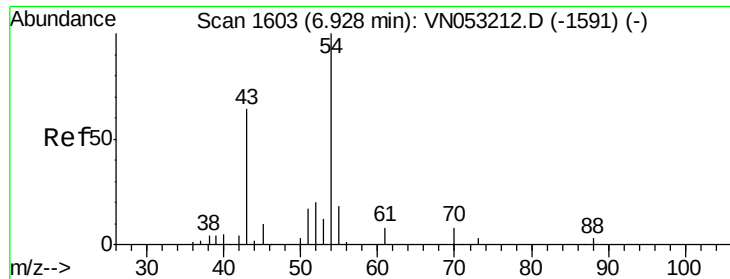
Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 43    | Resp: | 2083270 |
| Ion Ratio | Lower | Upper |         |
| 43        | 100   |       |         |
| 86        | 9.0   | 6.5   | 9.7     |





#43

Ethyl Acetate

Concen: 22.926 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

Instrument :

MSVOA\_N

ClientSampleId :

VN0110WBSD01

Tot Ion: 43 Resp: 179651

Ion Ratio Lower Upper

43 100

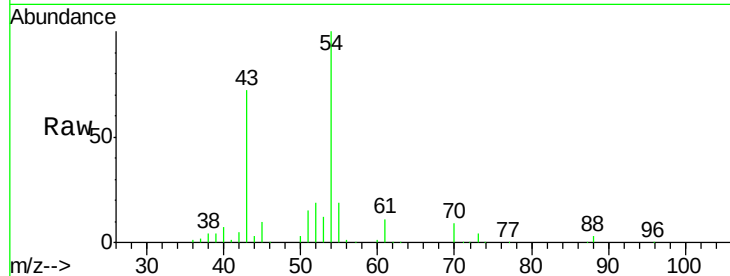
45 13.1 1.0 1.6#

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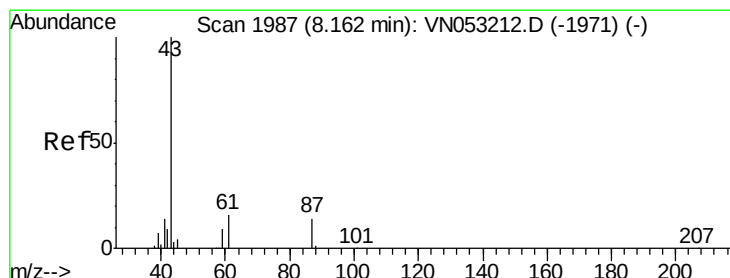
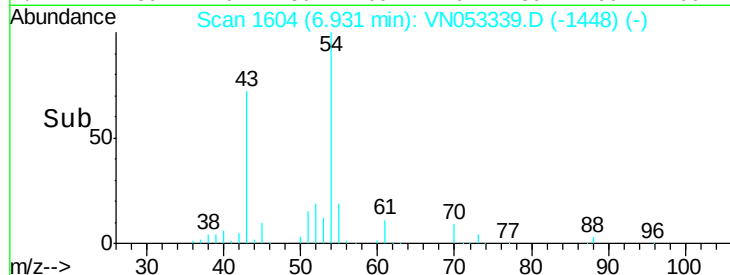
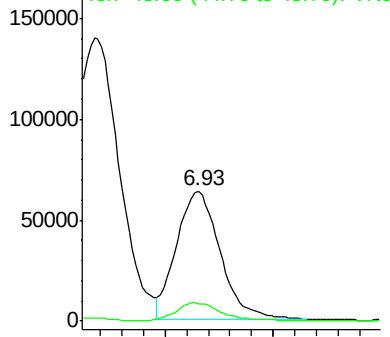
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 22.731 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053339.D

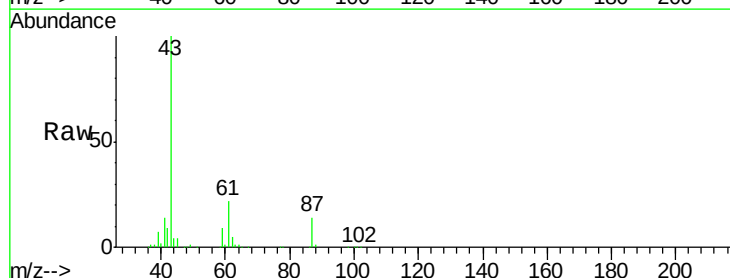
Acq: 10 Jan 2019 14:07

Tgt Ion: 43 Resp: 331793

Ion Ratio Lower Upper

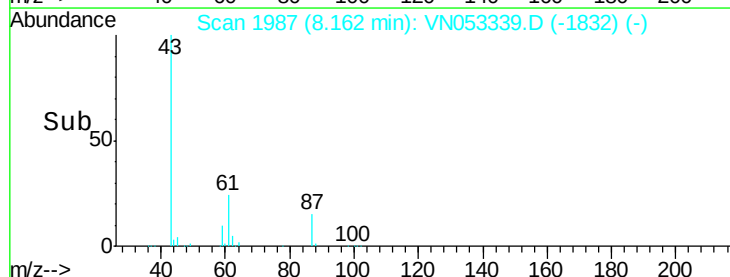
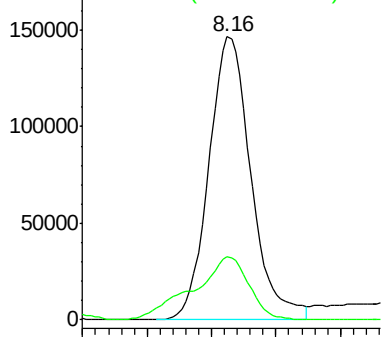
43 100

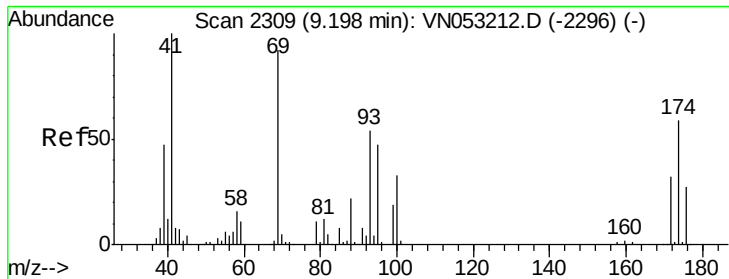
61 29.1 16.0 24.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





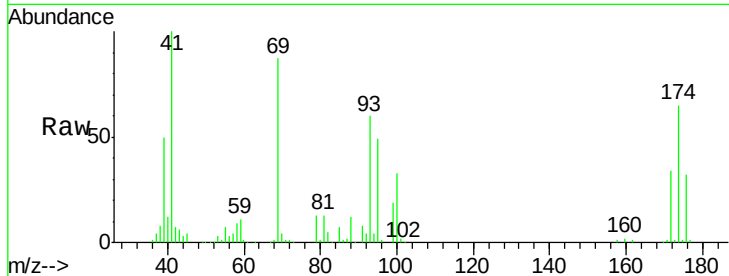
#45  
1,4-Dioxane  
Concen: 262.874 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0110WBSD01

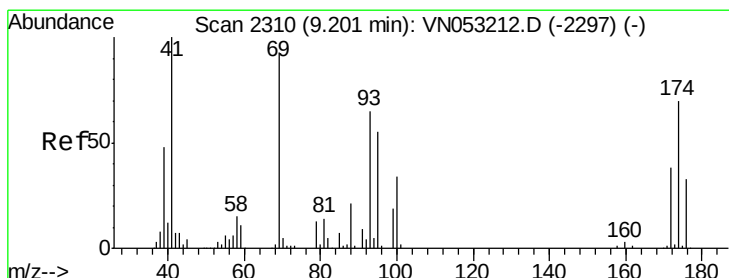
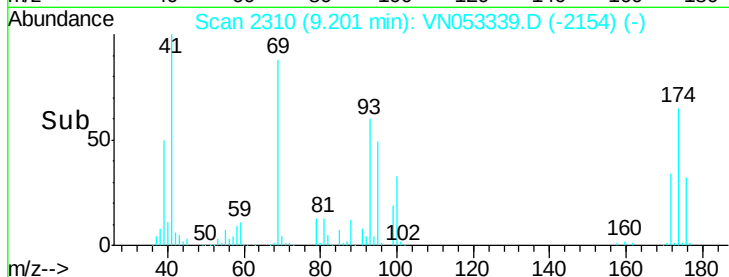
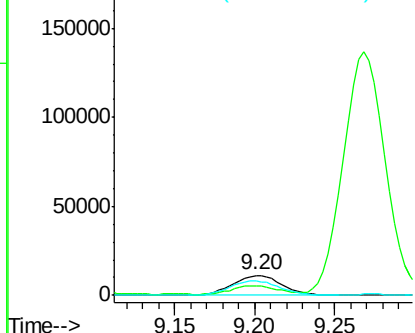
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 39.4  | 29.5  | 44.3  |
| 58      | 74.4  | 61.5  | 92.3  |

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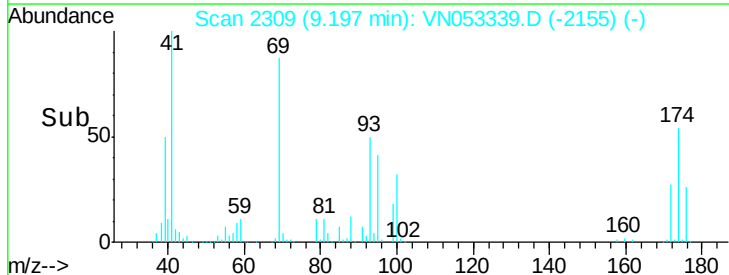
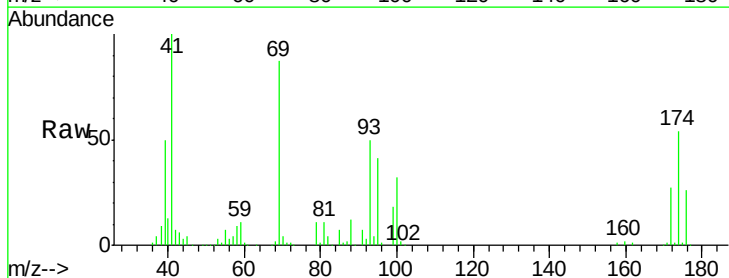
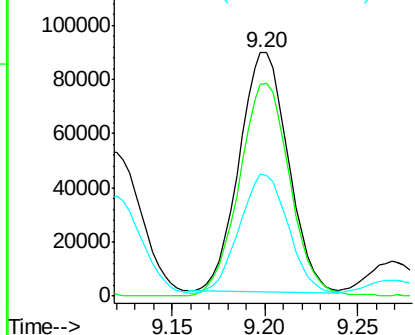
Abundance Ion 88.00 (87.70 to 88.70): VNO  
Ion 43.00 (42.70 to 43.70): VNO  
Ion 58.00 (57.70 to 58.70): VNO

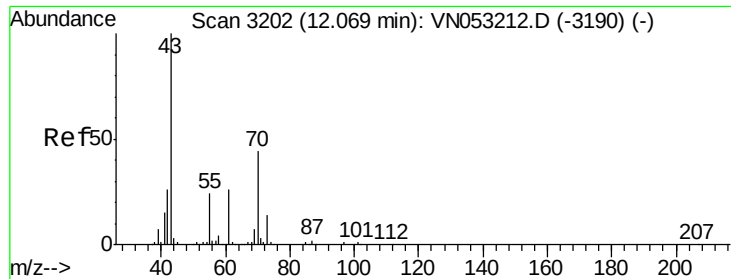


#46  
Methyl methacrylate  
Concen: 22.025 ug/l  
RT: 9.20 min Scan# 2309  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 88.2  | 42.5  | 127.6 |
| 39      | 49.6  | 26.3  | 78.9  |

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





#47

n-amvl Acetate

Concen: 22.310 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

Instrument :

MSVOA\_N

ClientSampleId :

VN0110WBSD01

Tot Ion: 43 Resp: 285992

Ion Ratio Lower Upper

43 100

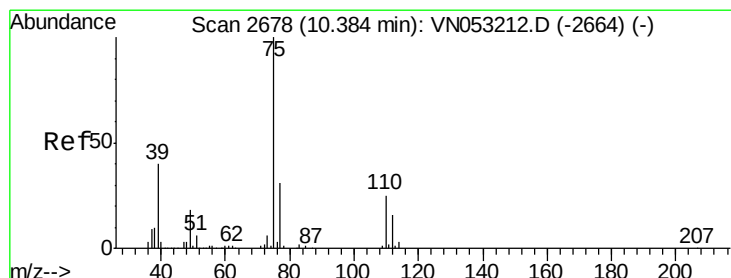
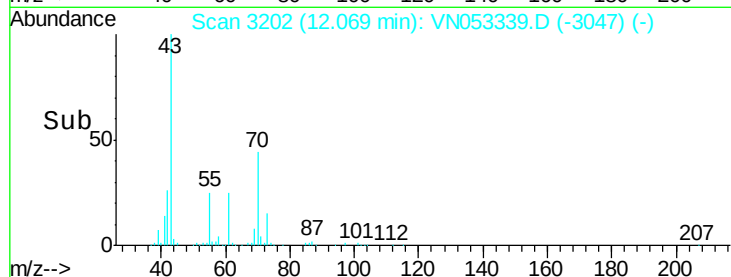
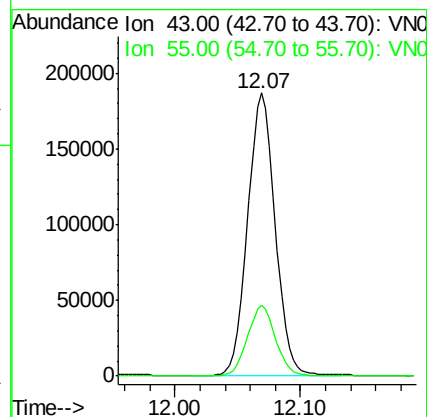
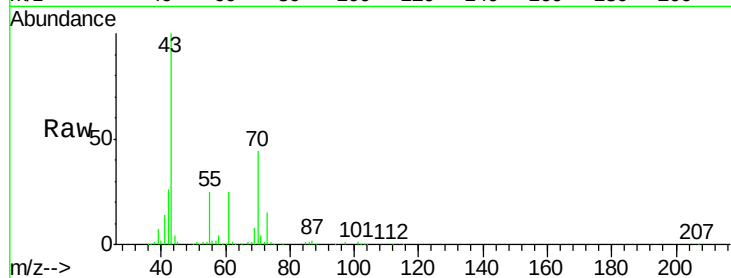
55 25.5 21.1 31.7

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#48

t-1,3-Dichloropropene

Concen: 20.089 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053339.D

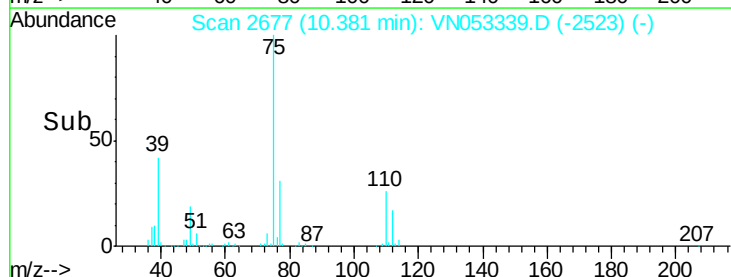
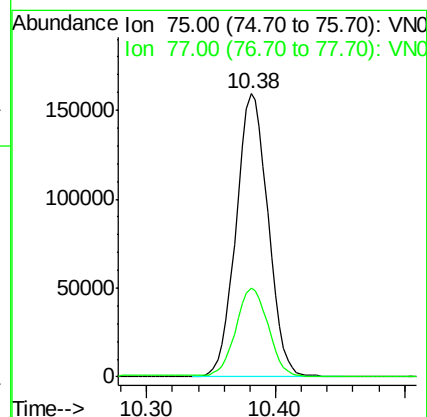
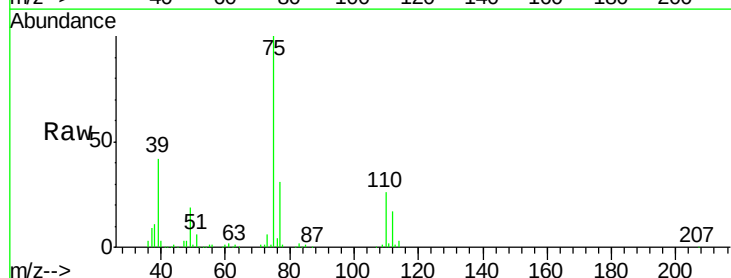
Acq: 10 Jan 2019 14:07

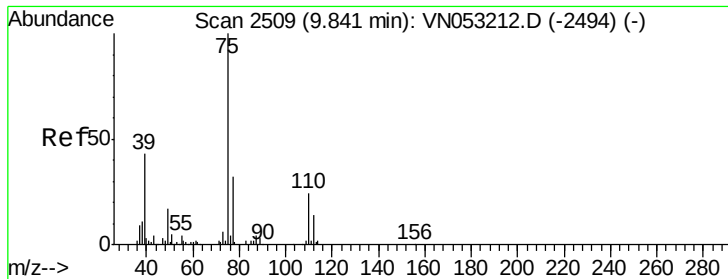
Tgt Ion: 75 Resp: 274847

Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4





#49

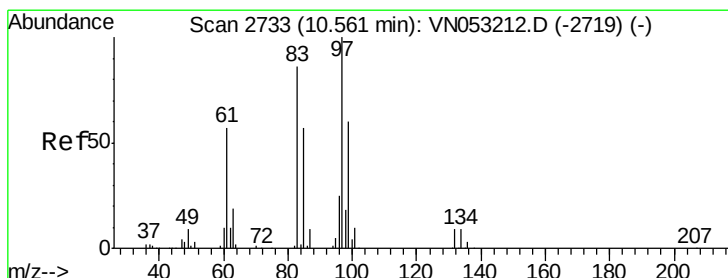
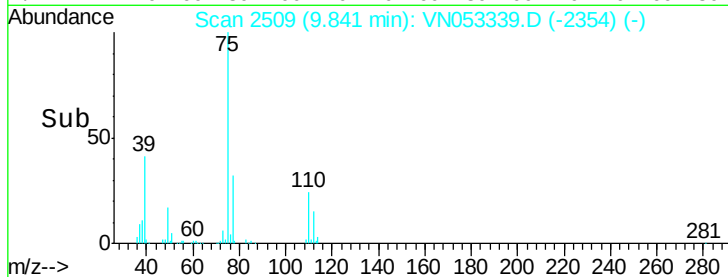
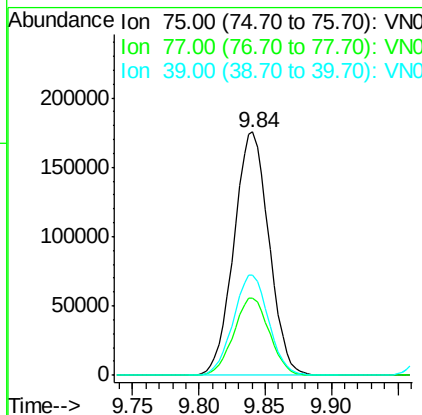
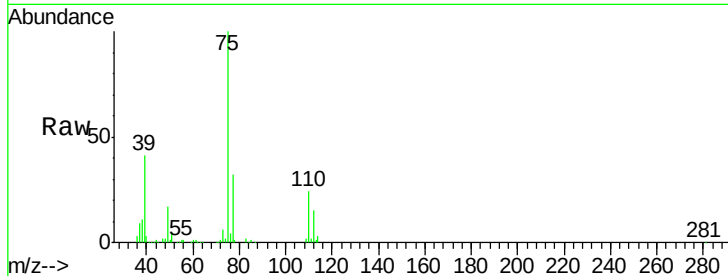
cis-1,3-Dichloropropene  
Concen: 20.018 ug/l  
RT: 9.84 min Scan# 2509  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0110WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.9  | 25.4  | 38.0  |
| 39      | 41.3  | 37.3  | 55.9  |

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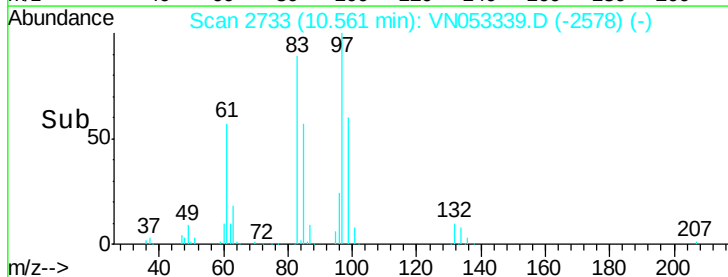
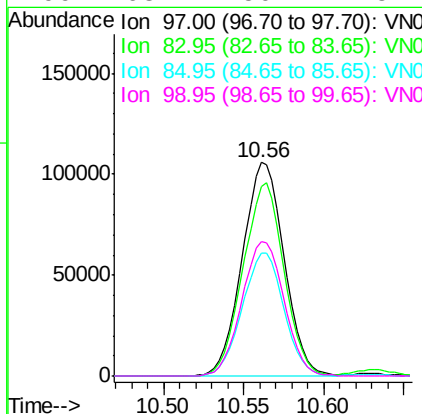
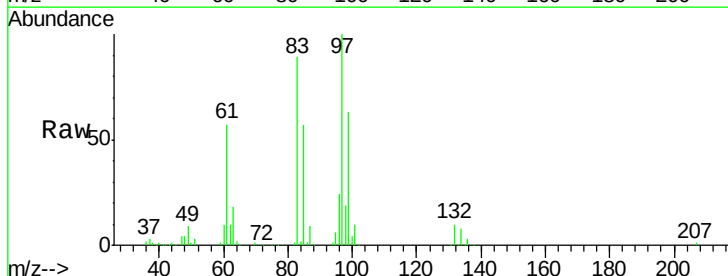
MMDadoda  
1/11/2019 10:11:50 AM

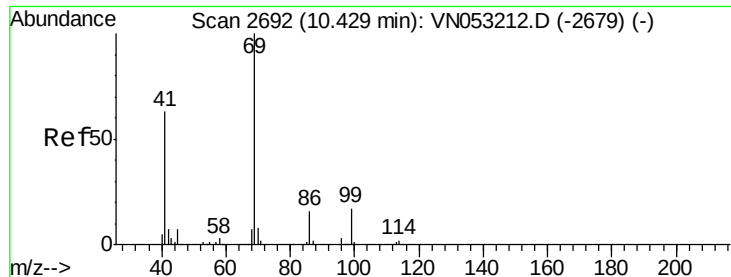


#50

1,1,2-Trichloroethane  
Concen: 21.231 ug/l  
RT: 10.56 min Scan# 2733  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 88.9  | 70.4  | 105.6 |
| 85      | 57.5  | 45.0  | 67.6  |
| 99      | 63.2  | 50.2  | 75.2  |





#51

Ethyl methacrylate

Concen: 21.560 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

Instrument :

MSVOA\_N

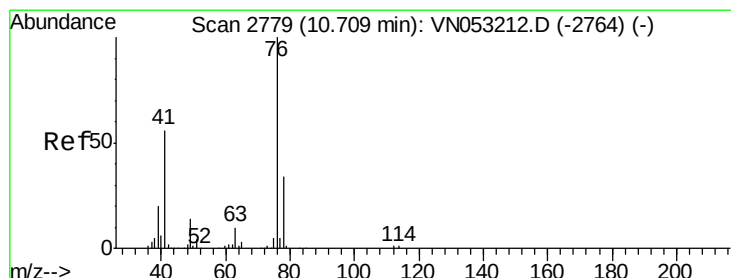
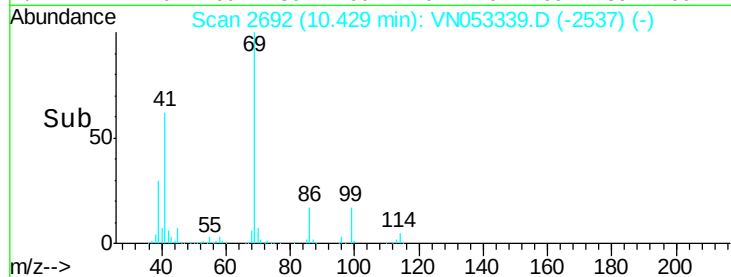
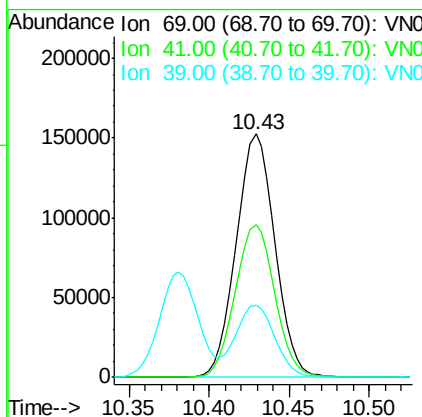
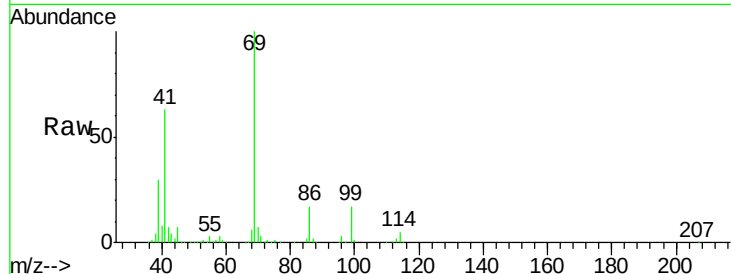
ClientSampleId :

VN0110WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 69    | Resp: | 251474 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 62.3  | 34.4  | 103.3  |
| 39       | 29.4  | 16.4  | 49.2   |

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1/11/2019 10:11:50 AM



#52

1,3-Dichloropropane

Concen: 21.320 ug/l

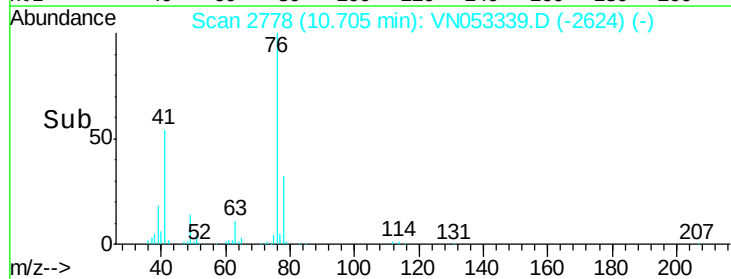
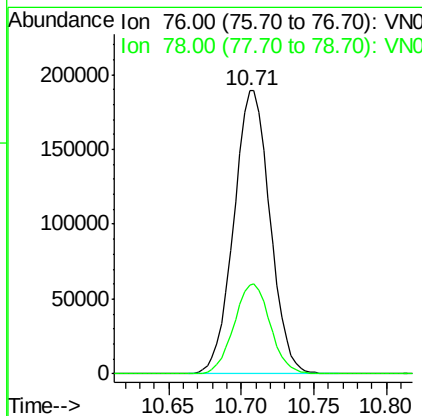
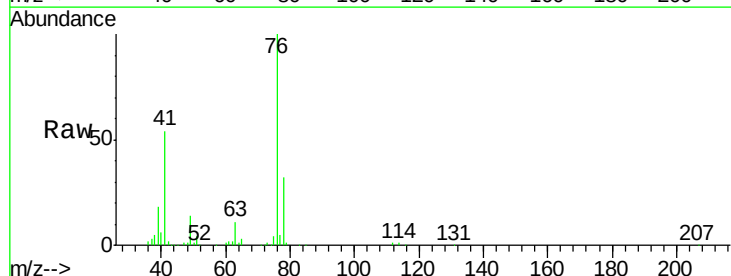
RT: 10.71 min Scan# 2778

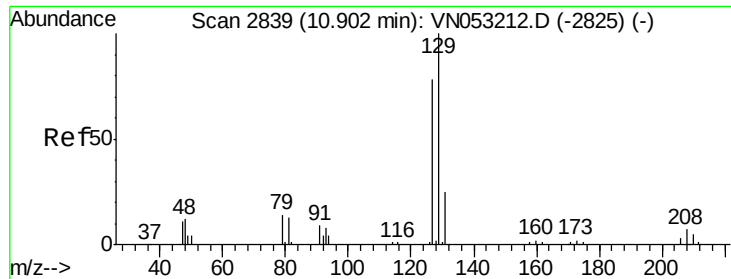
Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 76    | Resp: | 328697 |
| Ion      | Ratio | Lower | Upper  |
| 76       | 100   |       |        |
| 78       | 31.9  | 0.0   | 64.8   |





#53

Dibromochloromethane

Concen: 20.751 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

Instrument :

MSVOA\_N

ClientSampleId :

VN0110WBSD01

Tot Ion:129 Resp: 208584

Ion Ratio Lower Upper

129 100

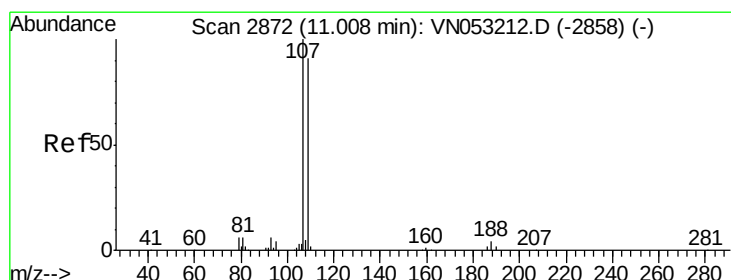
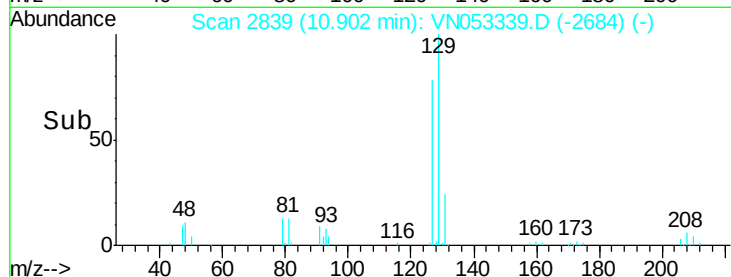
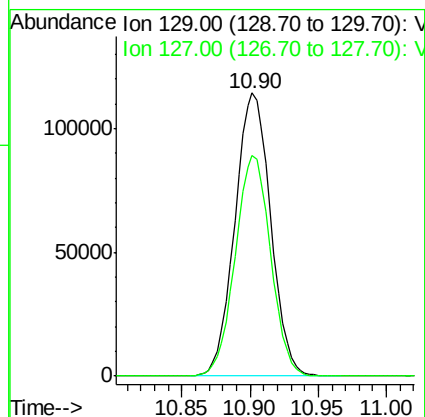
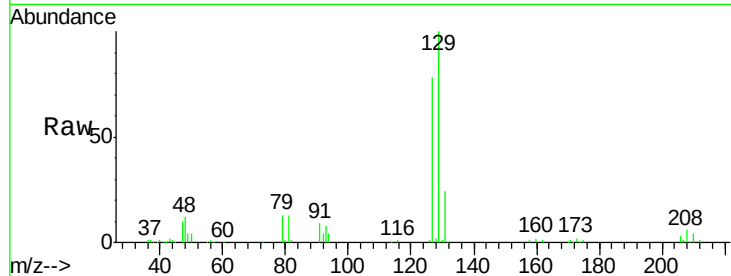
127 77.0 37.6 112.8

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#54

1,2-Dibromoethane

Concen: 21.225 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN053339.D

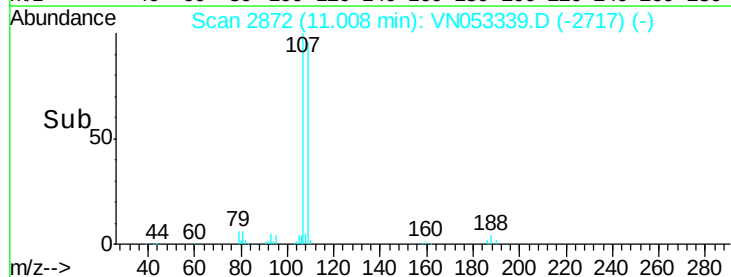
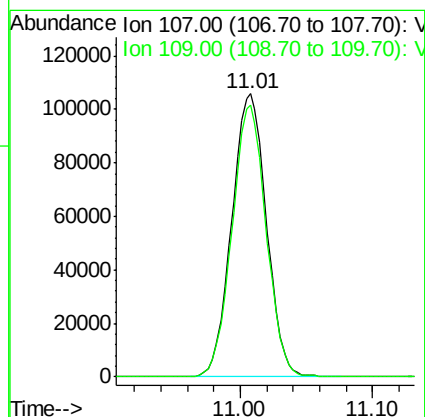
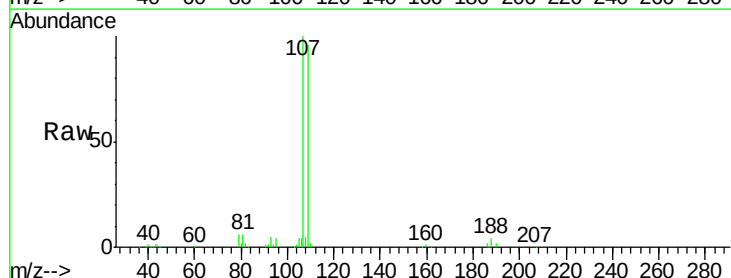
Acq: 10 Jan 2019 14:07

Tgt Ion:107 Resp: 191628

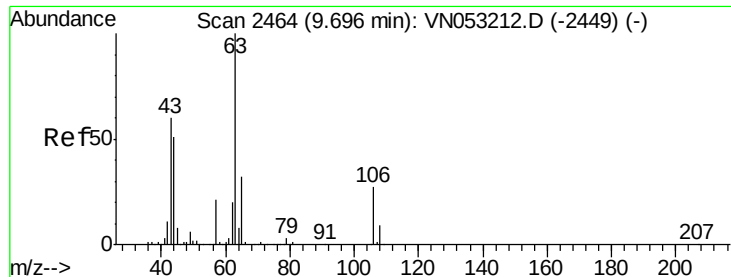
Ion Ratio Lower Upper

107 100

109 94.4 77.1 115.7







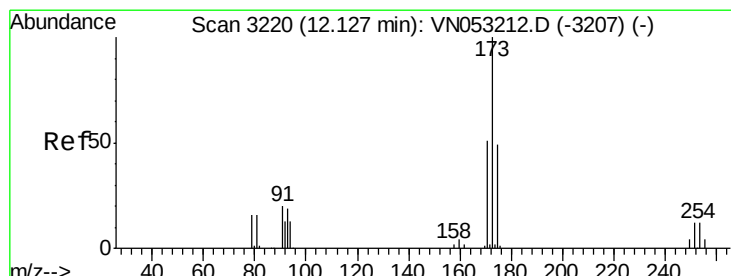
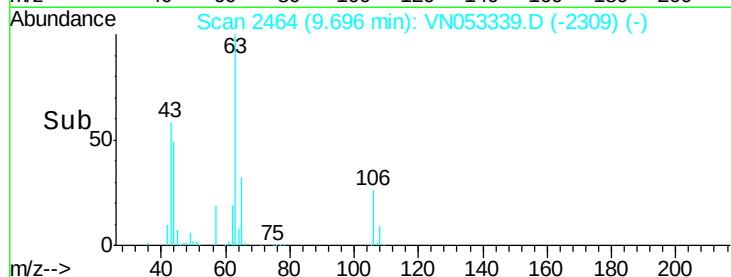
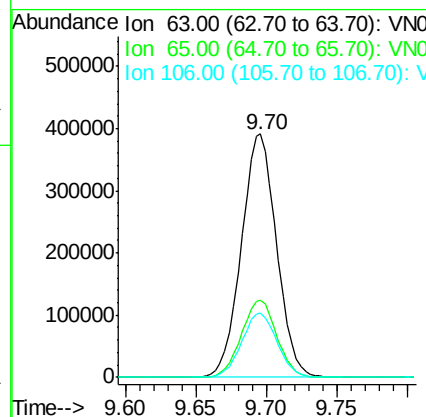
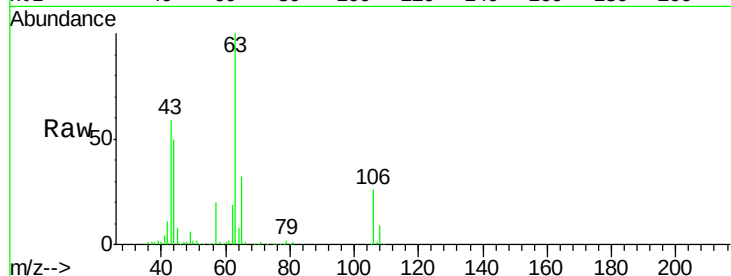
#55  
2-Chloroethyl vinyl ether  
Concen: 102.066 ug/l  
RT: 9.70 min Scan# 2464  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0110WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.9  | 25.4  | 38.2  |
| 106     | 26.7  | 20.4  | 30.6  |

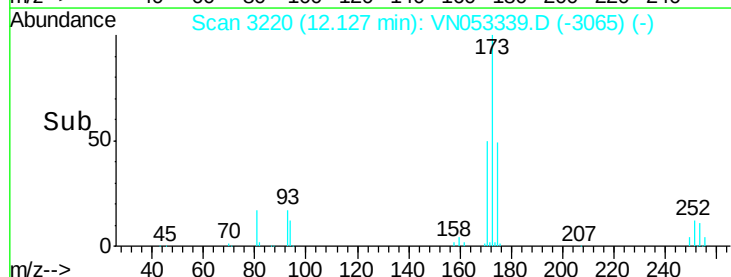
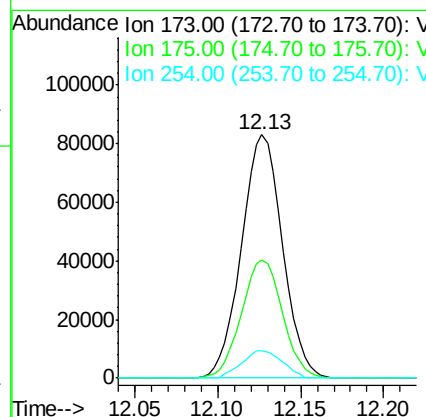
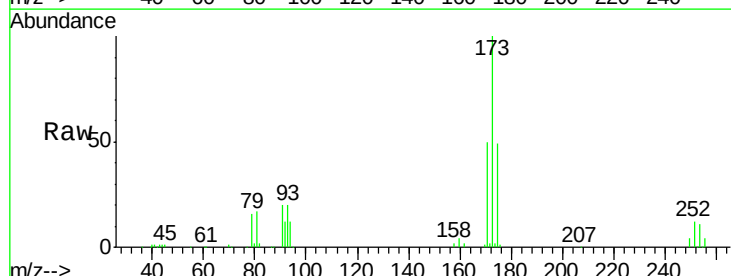
Manual Integrations  
APPROVED

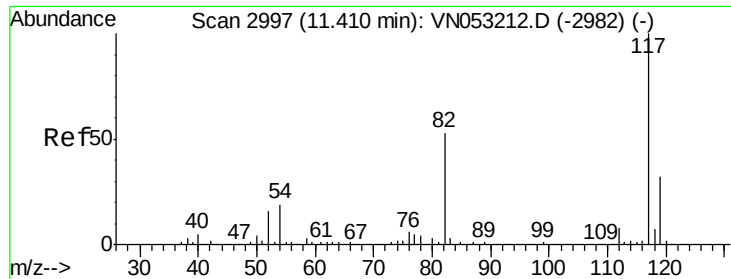
MMDadoda  
1/11/2019 10:11:50 AM



#56  
Bromoform  
Concen: 20.777 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.5  | 38.7  | 58.1  |
| 254     | 11.0  | 8.4   | 12.6  |





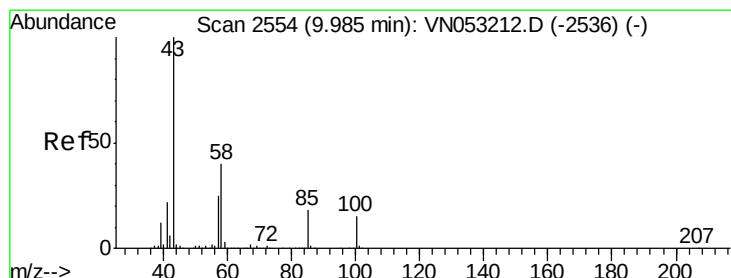
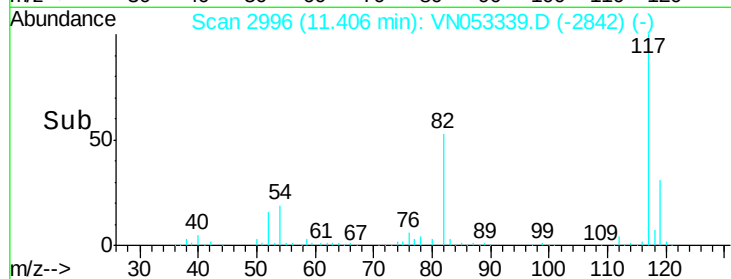
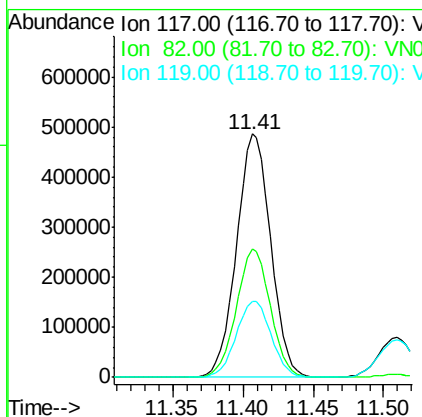
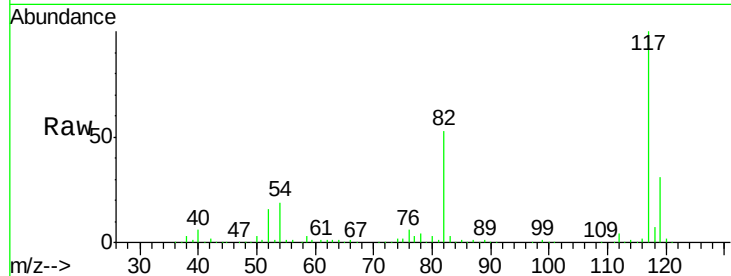
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0110WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.5  | 44.2  | 66.2  |
| 119     | 32.0  | 25.4  | 38.2  |

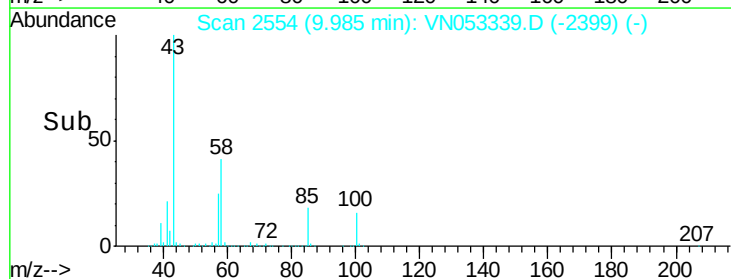
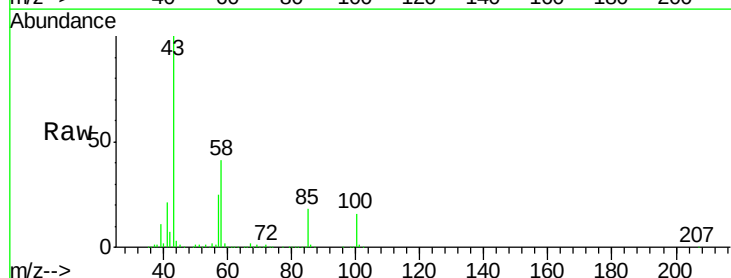
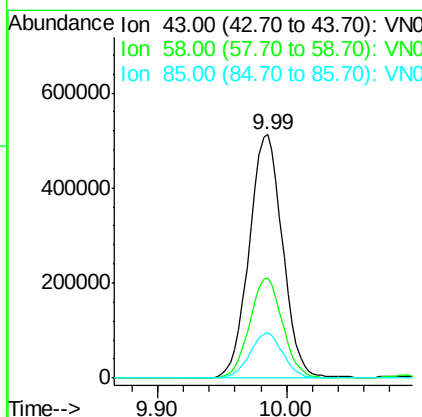
Manual Integrations  
APPROVED

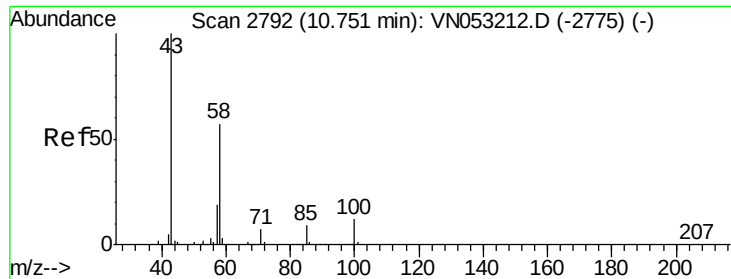
MMDadoda  
1/11/2019 10:11:50 AM



#58  
4-Methyl-2-Pentanone  
Concen: 117.303 ug/l  
RT: 9.99 min Scan# 2554  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 40.7  | 31.6  | 47.4  |
| 85      | 18.4  | 13.3  | 19.9  |





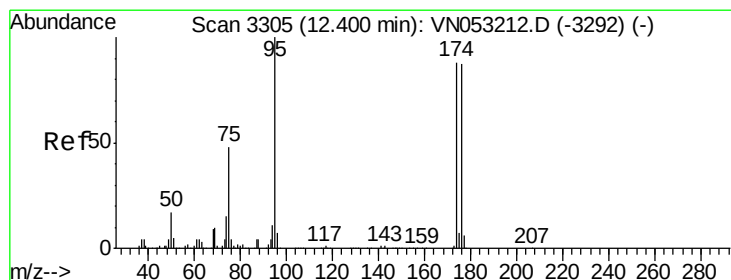
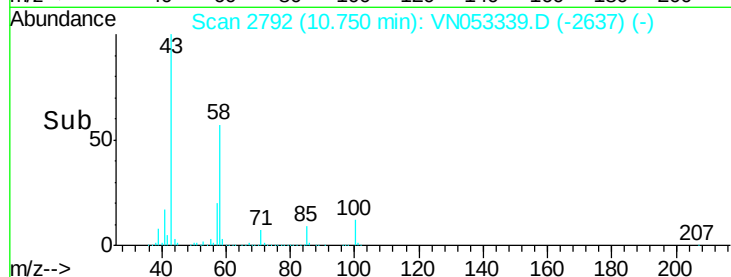
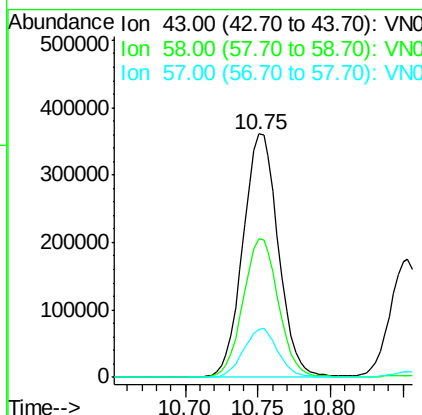
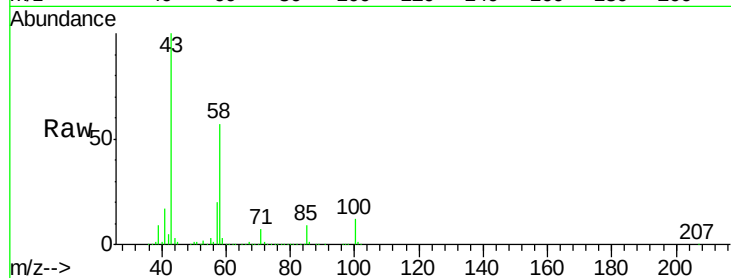
#59  
2-Hexanone  
Concen: 112.902 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0110WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 57.0  | 43.2  | 64.8  |
| 57      | 19.6  | 14.9  | 22.3  |

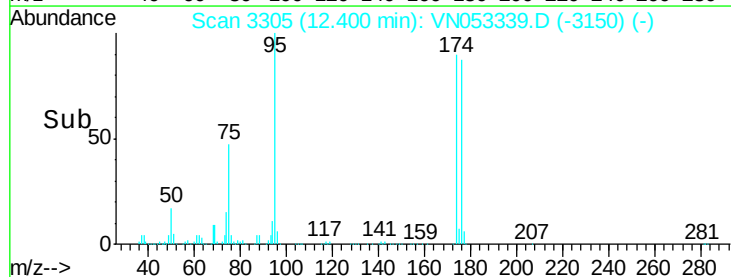
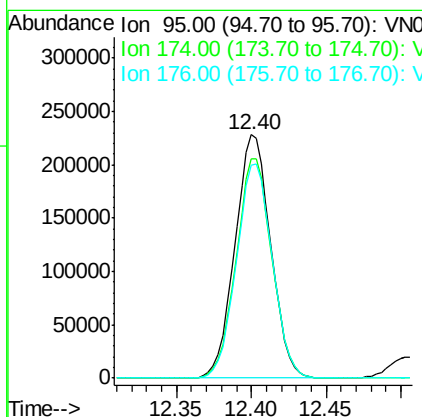
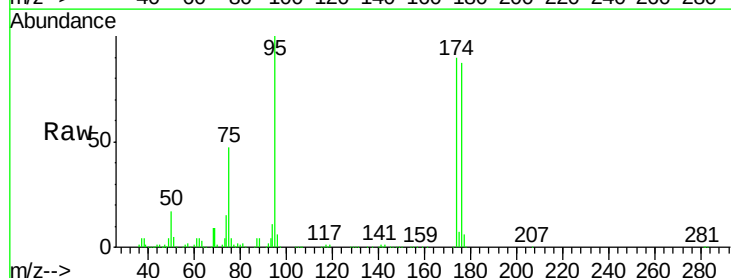
Manual Integrations  
APPROVED

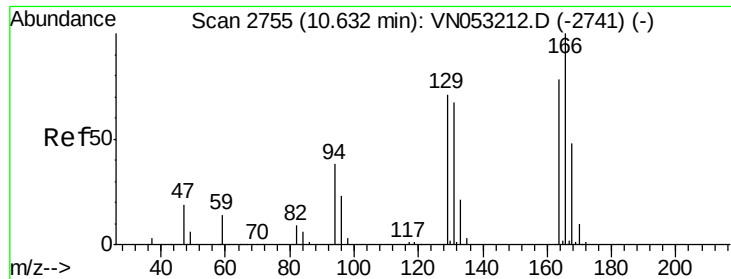
MMDadoda  
1/11/2019 10:11:50 AM



#60  
4-Bromofluorobenzene  
Concen: 112.902 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 90.2  | 67.9  | 101.9 |
| 176     | 88.2  | 66.4  | 99.6  |





#61

Tetrachloroethene

Concen: 20.924 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

Instrument :

MSVOA\_N

ClientSampleId :

VN0110WBSD01

Tot Ion:164 Resp: 255515

Ion Ratio Lower Upper

164 100

166 129.9 104.6 157.0

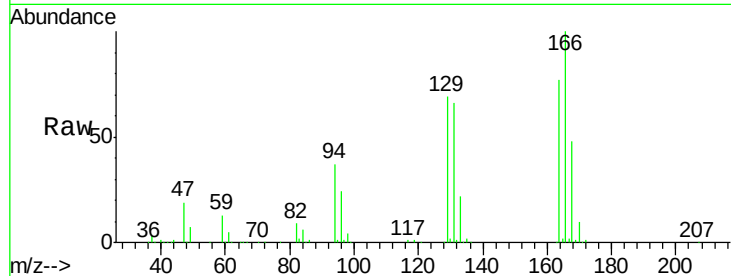
129 89.4 75.3 112.9

131 85.2 74.3 111.5

Manual Integrations  
APPROVED

MMDadoda

1/11/2019 10:11:50 AM

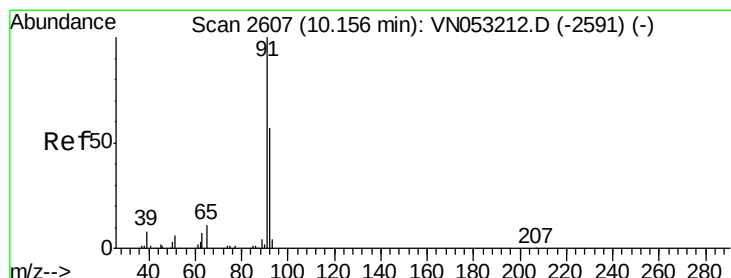
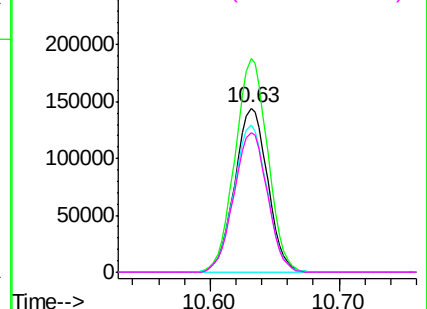
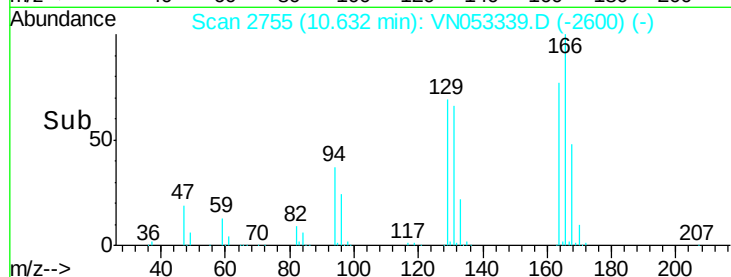


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.324 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053339.D

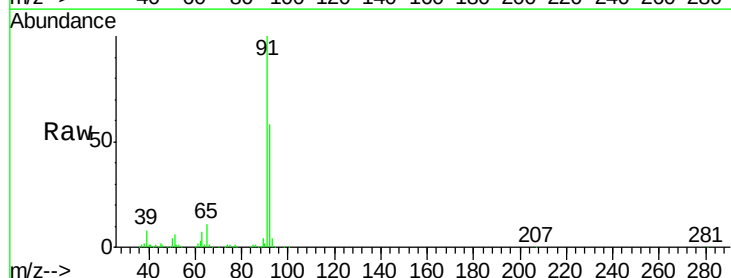
Acq: 10 Jan 2019 14:07

Tgt Ion: 91 Resp: 921058

Ion Ratio Lower Upper

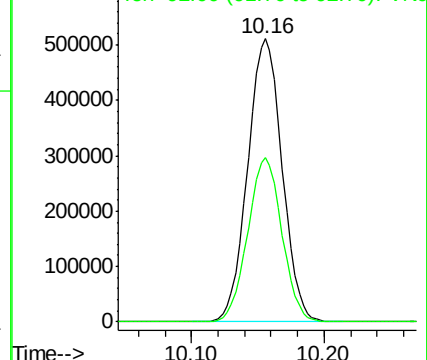
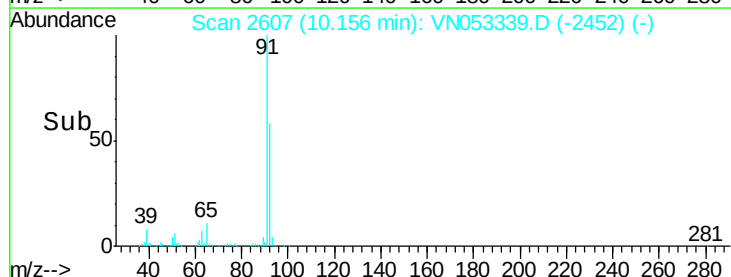
91 100

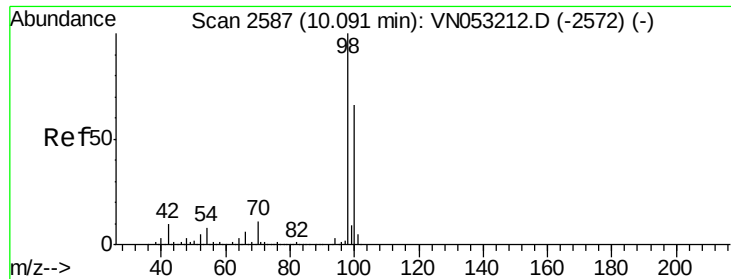
92 57.4 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





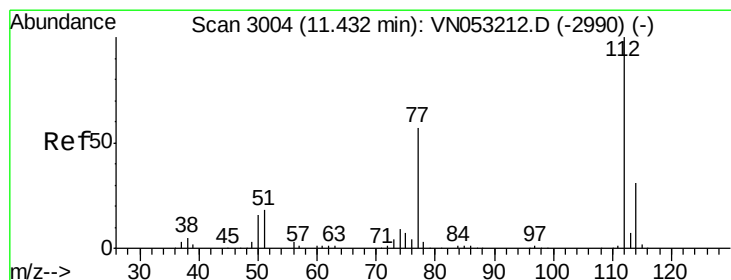
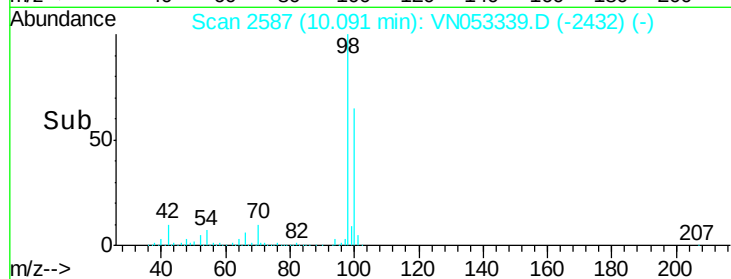
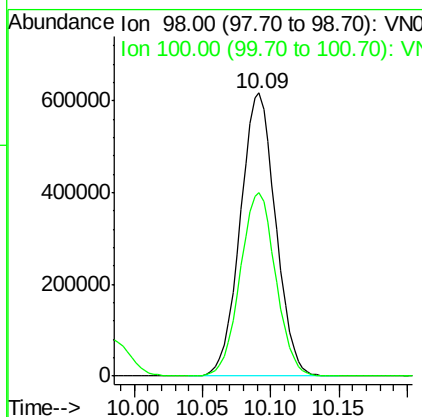
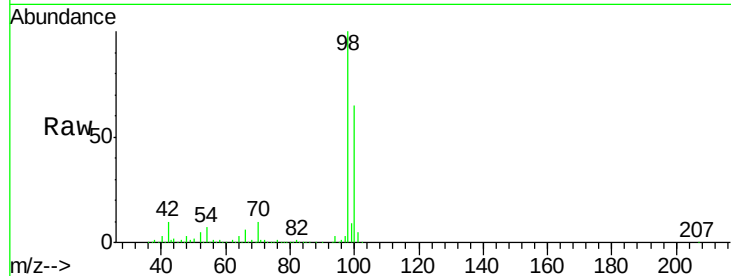
#63  
Toluene-d8  
Concen: 20.324 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0110WBSD01

Tot Ion: 98 Resp: 1108572  
Ion Ratio Lower Upper  
98 100  
100 65.1 51.1 76.7

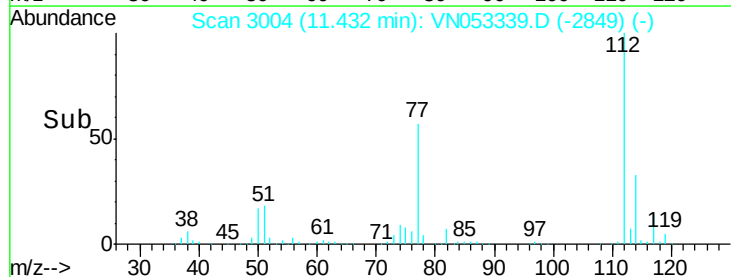
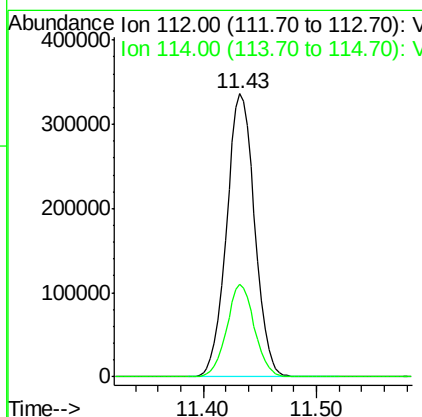
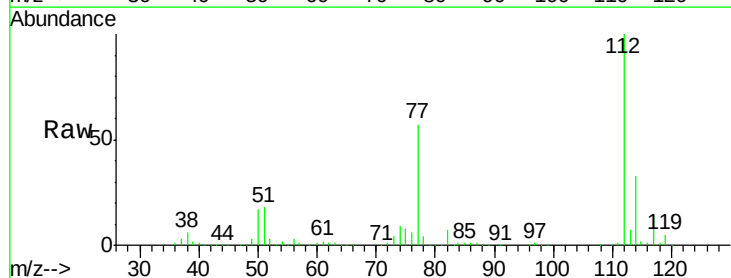
Manual Integrations  
APPROVED

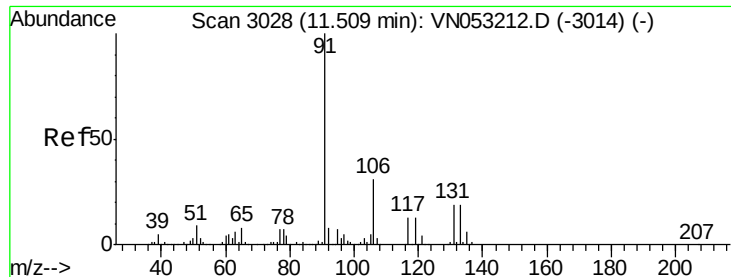
MMDadoda  
1/11/2019 10:11:50 AM



#64  
Chlorobenzene  
Concen: 20.390 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

Tgt Ion: 112 Resp: 579853  
Ion Ratio Lower Upper  
112 100  
114 32.6 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.302 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

Instrument :

MSVOA\_N

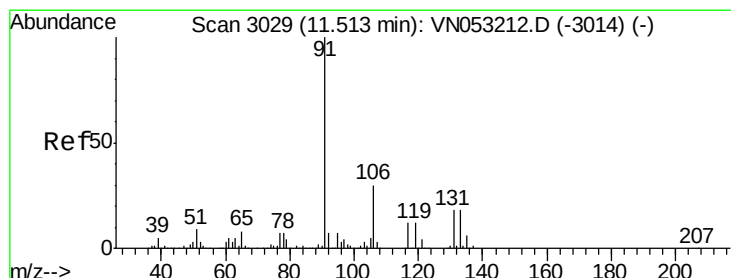
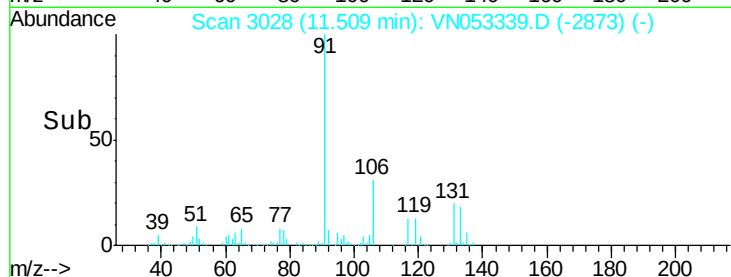
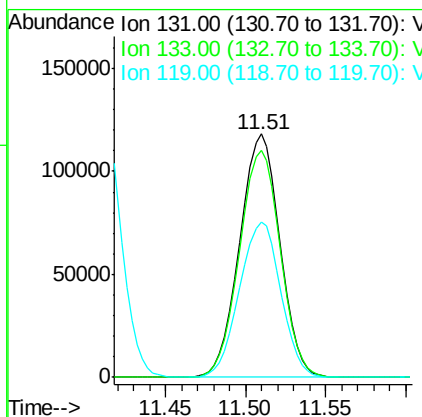
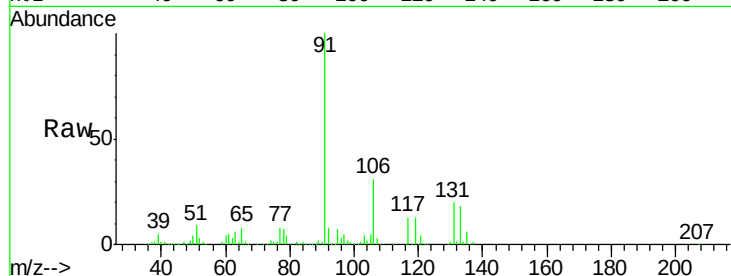
ClientSampleId :

VN0110WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 131     | 100   | 202531 |       |       |
| 133     | 94.9  | 0.0    | 193.4 |       |
| 119     | 65.7  | 0.0    | 133.0 |       |

Manual Integrations  
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1/11/2019 10:11:50 AM



#66

Ethyl Benzene

Concen: 20.191 ug/l

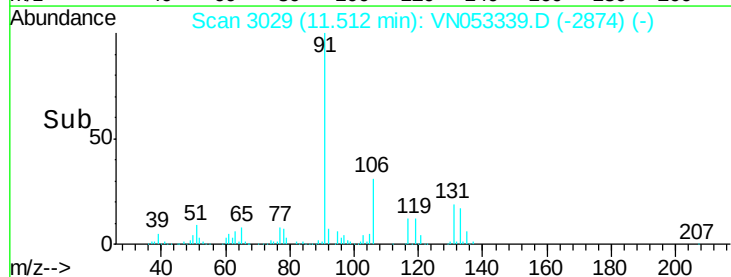
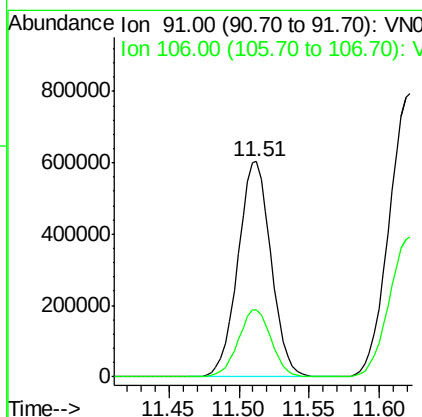
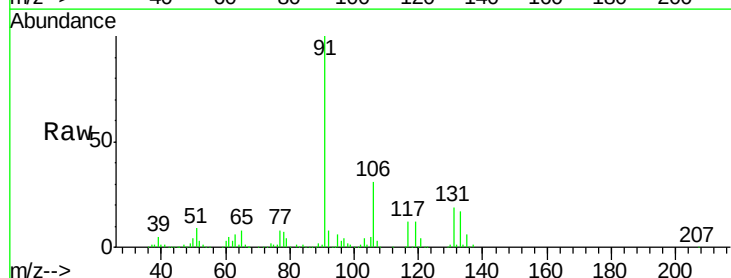
RT: 11.51 min Scan# 3029

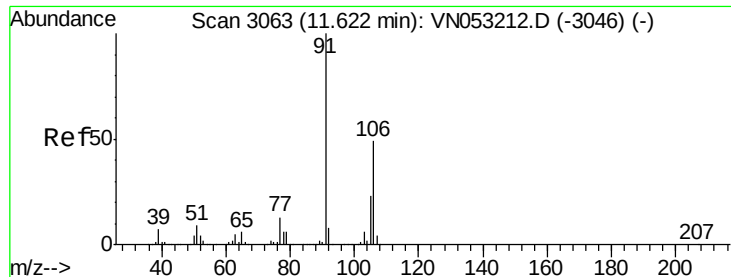
Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 992309 |       |       |
| 106     | 31.4  | 24.3   | 36.5  |       |





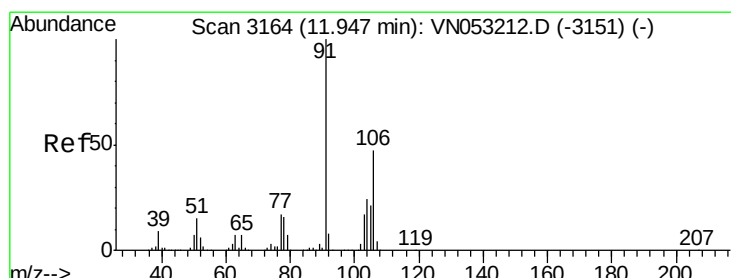
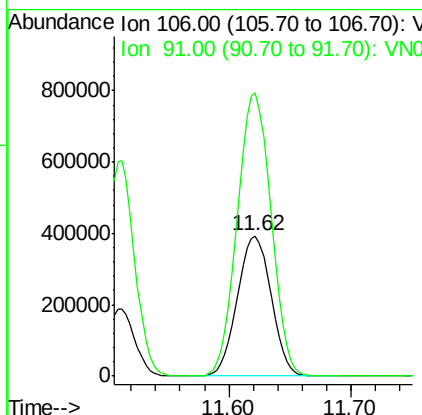
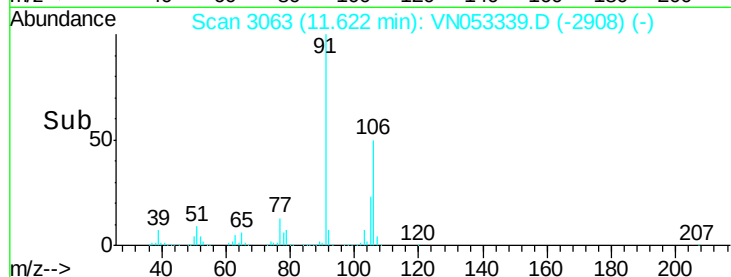
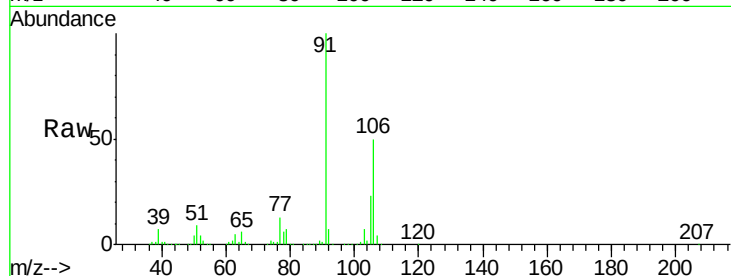
#67  
m/p-Xylenes  
Concen: 40.519 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0110WBSD01

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |
| 91      | 201.8 | 163.9 | 245.9 |       |

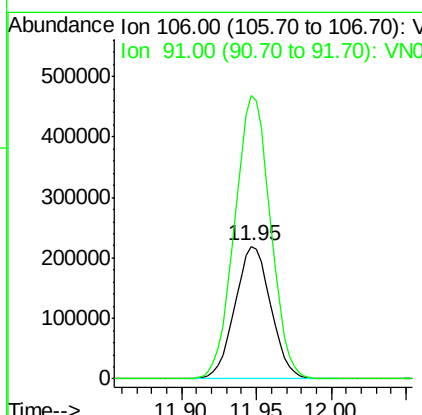
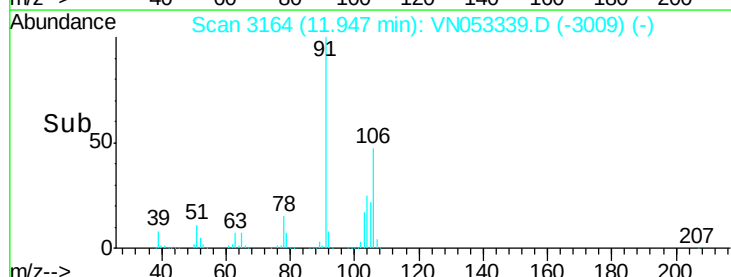
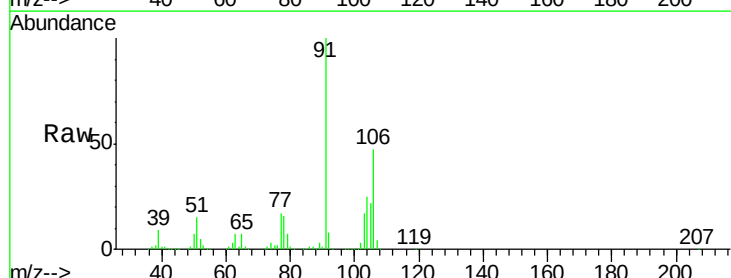
Manual Integrations  
APPROVED

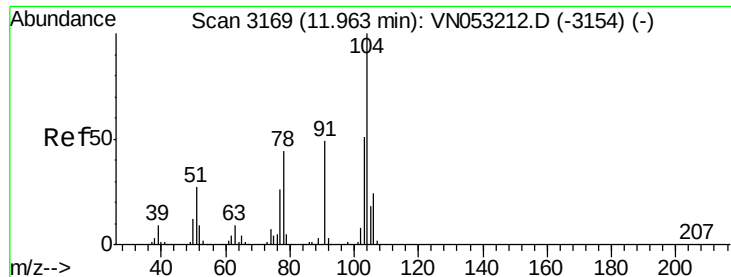
MMDadoda  
1/11/2019 10:11:50 AM



#68  
o-Xylene  
Concen: 20.297 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

| Tgt Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |
| 91      | 213.4 | 107.8 | 323.4 |       |





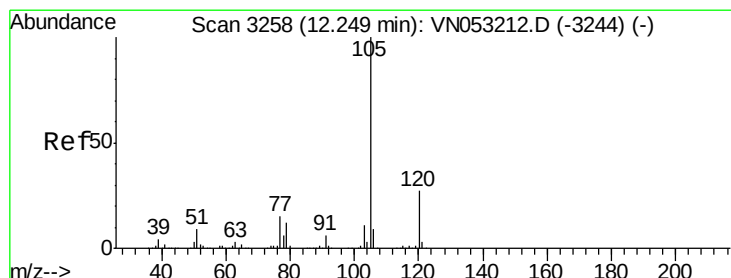
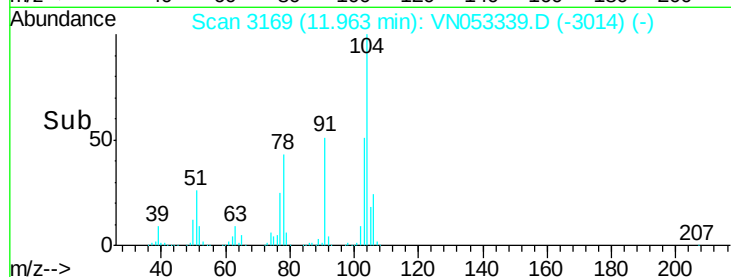
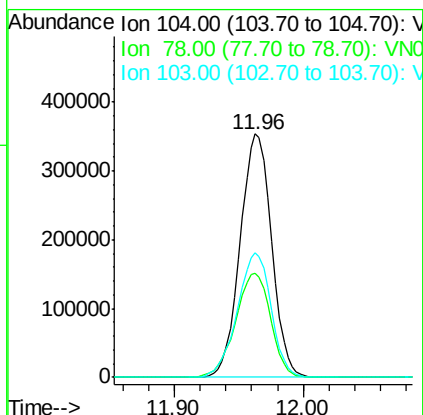
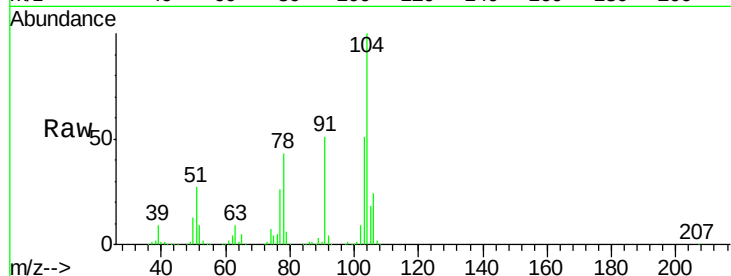
#69  
Stvrene  
Concen: 20.430 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0110WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 47.6  | 39.3  | 58.9  |
| 103     | 55.2  | 44.6  | 66.8  |

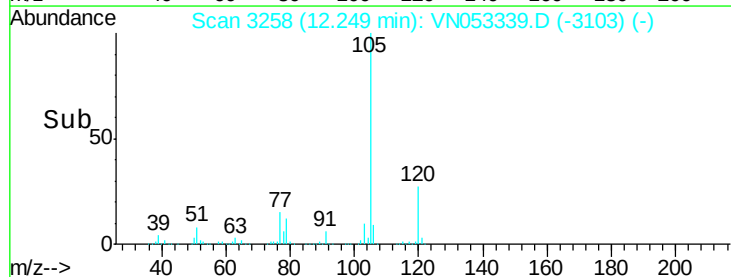
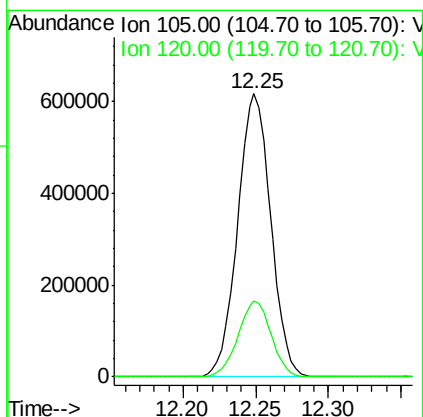
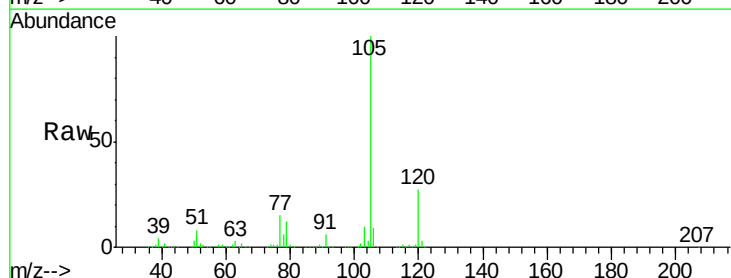
Manual Integrations  
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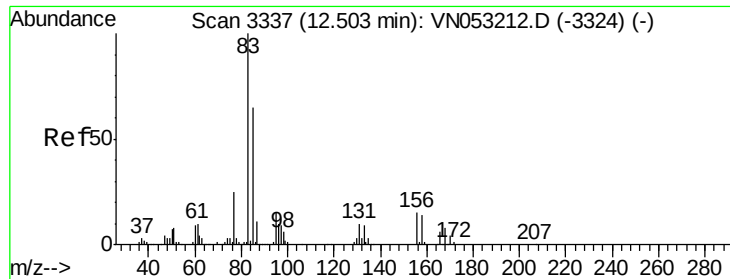


#70  
Isopropylbenzene  
Concen: 20.616 ug/l  
RT: 12.25 min Scan# 3258  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.9  | 18.6  | 34.6  |







#71

1,1,2,2-Tetrachloroethane

Concen: 21.953 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

Instrument :

MSVOA\_N

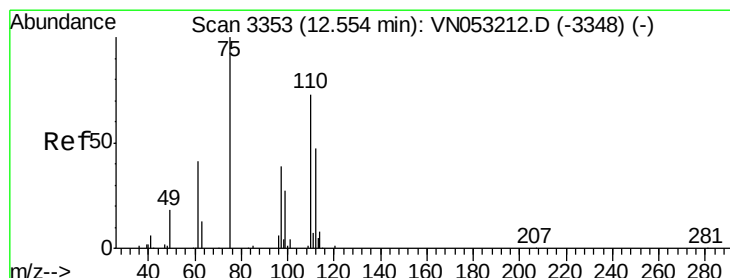
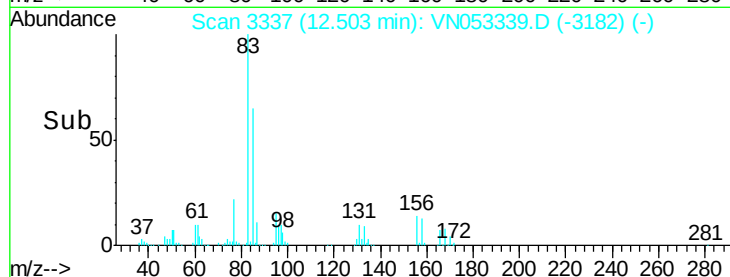
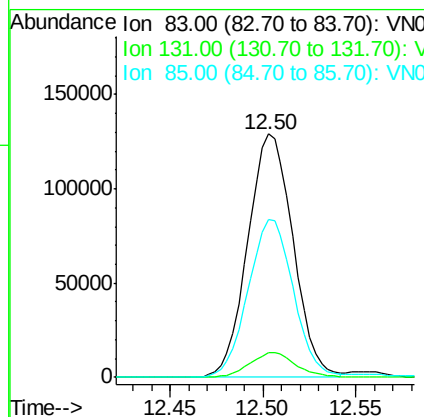
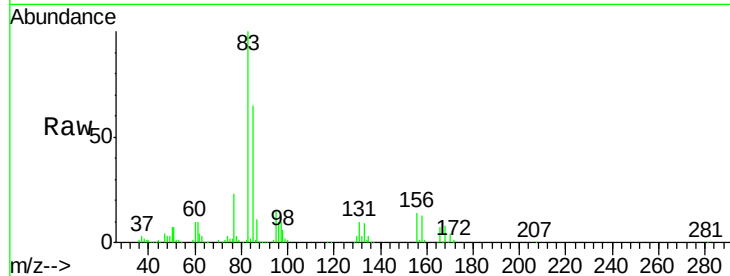
ClientSampleId :

VN0110WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 218994 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.3  | 4.9   | 14.6   |
| 85        | 64.9  | 32.2  | 96.6   |

Manual Integrations  
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1/11/2019 10:11:50 AM



#72

1,2,3-Trichloropropane

Concen: 22.206 ug/l m

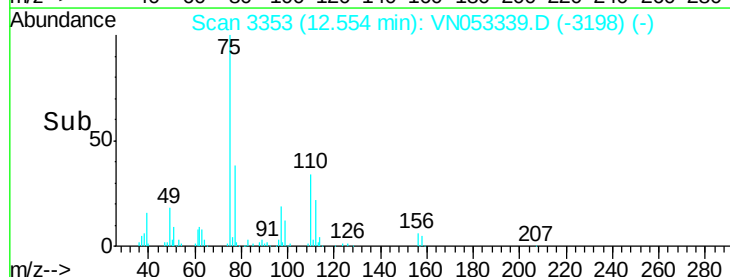
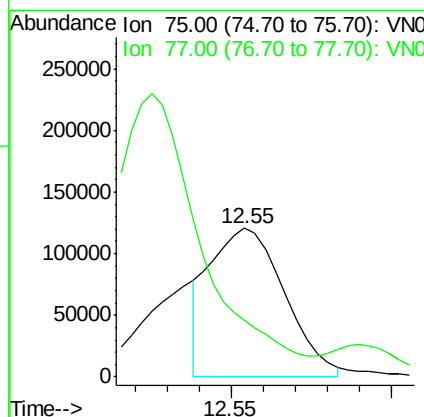
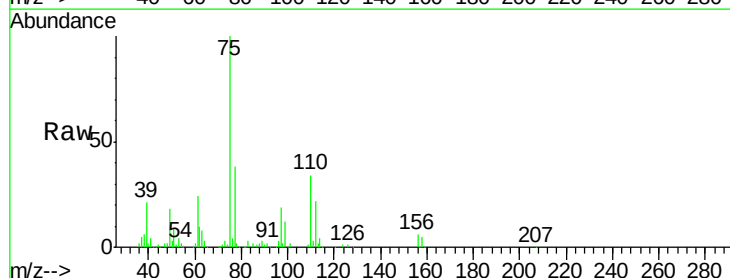
RT: 12.55 min Scan# 3353

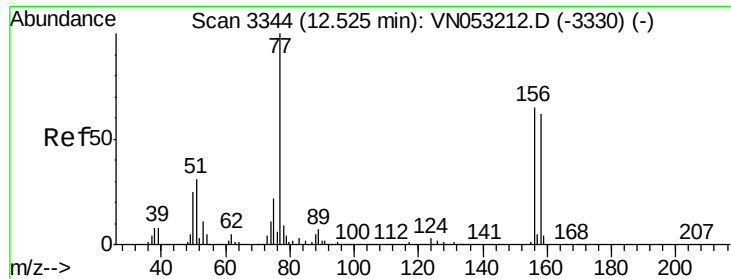
Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 193990 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 234.2 | 0.0   | 514.8  |





#73

Bromobenzene

Concen: 20.883 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

Instrument :

MSVOA\_N

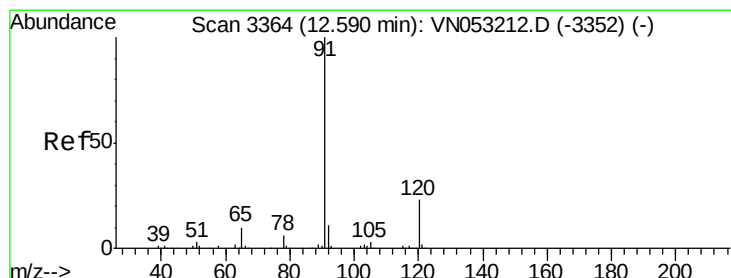
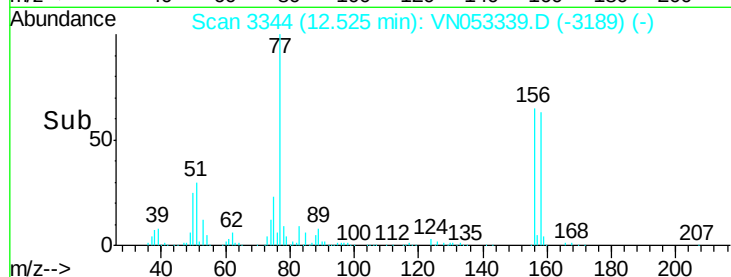
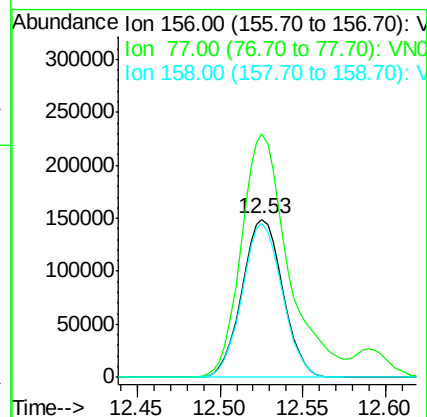
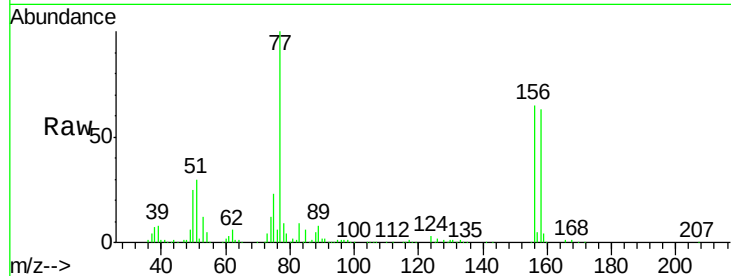
ClientSampled :

VN0110WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 254387 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 178.6 | 0.0   | 382.6  |
| 158       | 96.1  | 0.0   | 196.8  |

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#74

n-propylbenzene

Concen: 20.658 ug/l

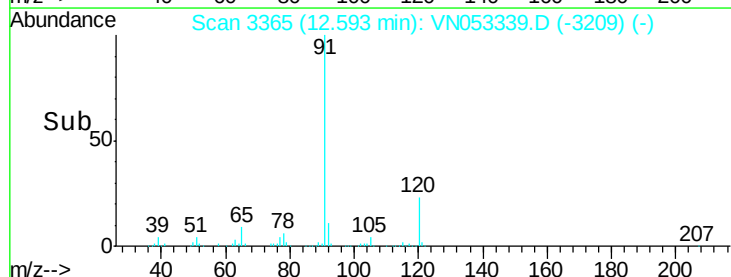
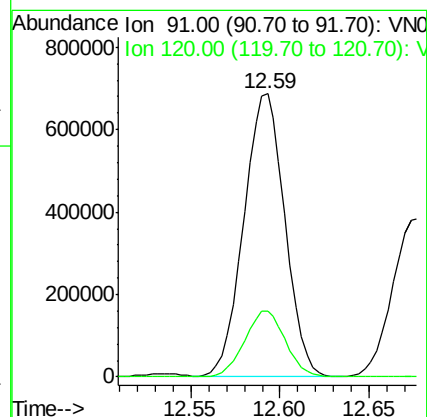
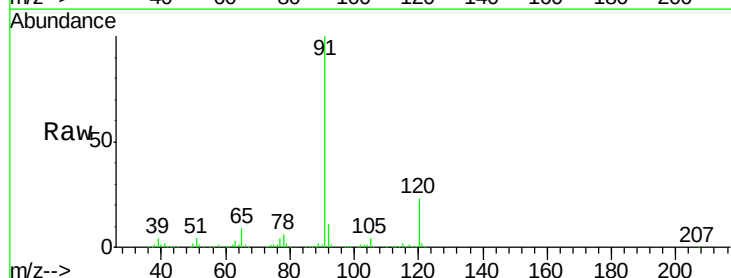
RT: 12.59 min Scan# 3365

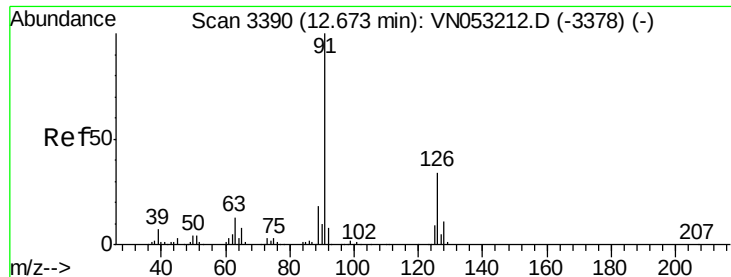
Delta R.T. 0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1108171 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 23.0  | 0.0   | 44.6    |





#75

2-Chlorotoluene

Concen: 20.268 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

Instrument :

MSVOA\_N

ClientSampleId :

VN0110WBSD01

Tot Ion: 91 Resp: 643920

Ion Ratio Lower Upper

91 100

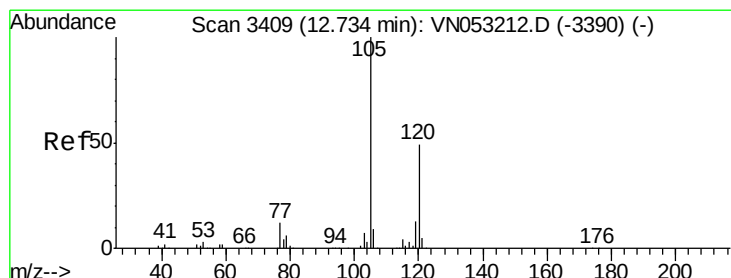
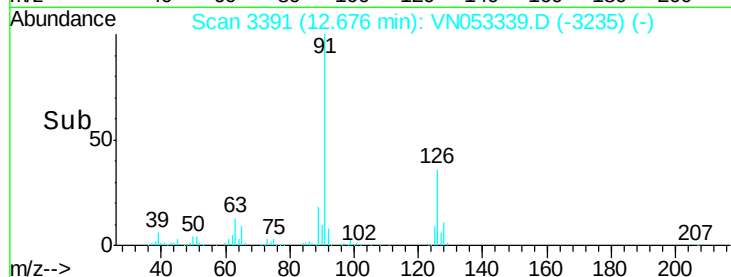
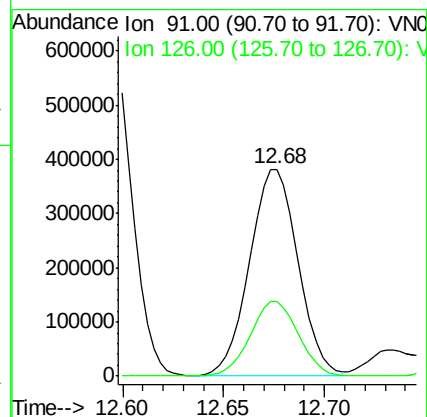
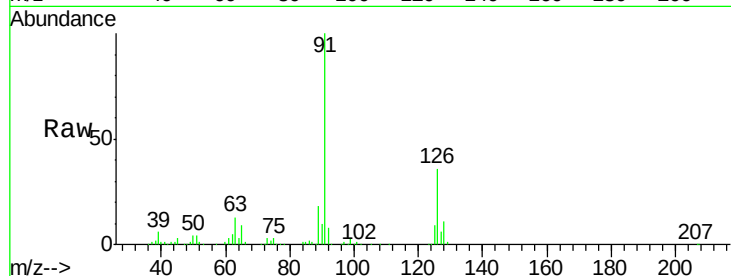
126 35.9 0.0 68.4

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#76

1,3,5-Trimethylbenzene

Concen: 20.612 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053339.D

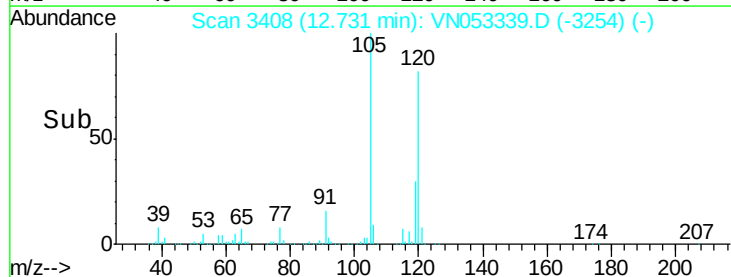
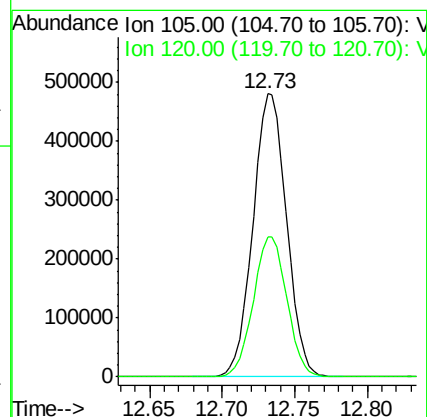
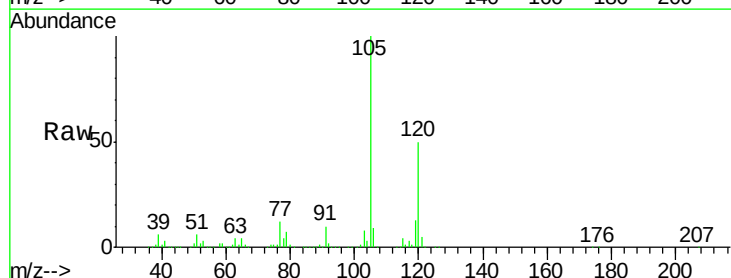
Acq: 10 Jan 2019 14:07

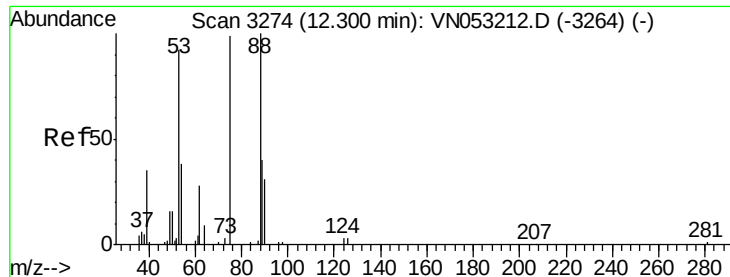
Tgt Ion: 105 Resp: 774845

Ion Ratio Lower Upper

105 100

120 49.4 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 20.006 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

Instrument :

MSVOA\_N

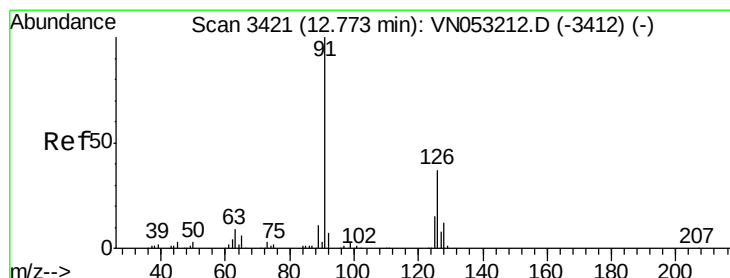
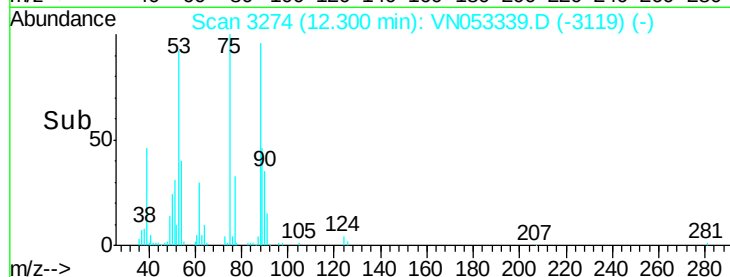
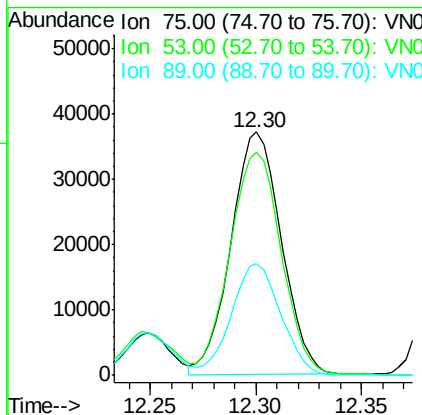
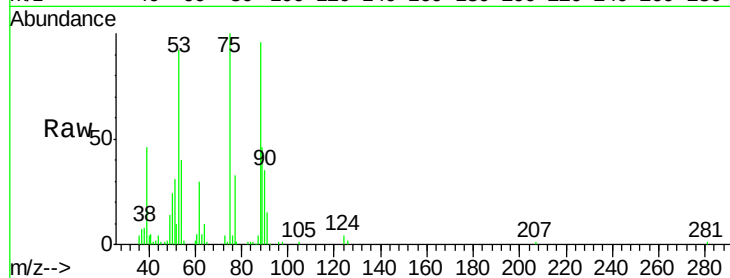
ClientSampleId :

VN0110WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 61408 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 91.5  | 48.5  | 145.6 |
| 89       | 46.5  | 21.7  | 65.1  |

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#78

4-Chlorotoluene

Concen: 20.322 ug/l

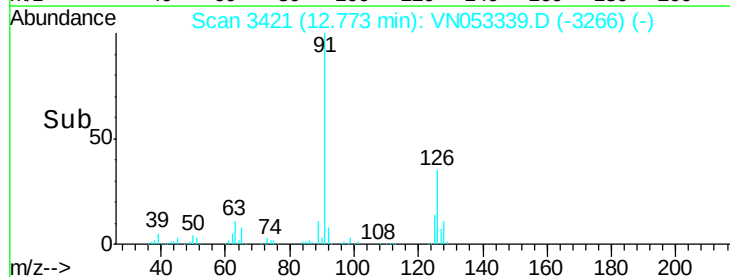
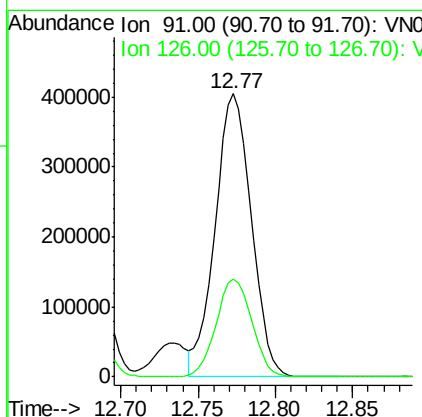
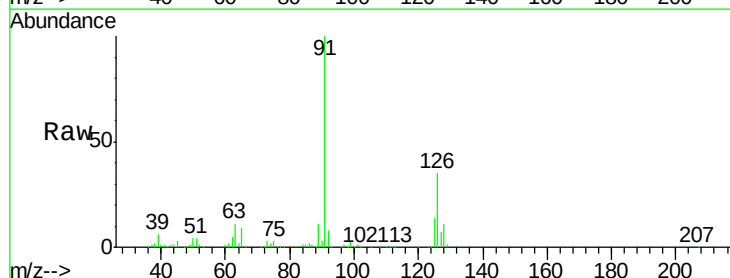
RT: 12.77 min Scan# 3421

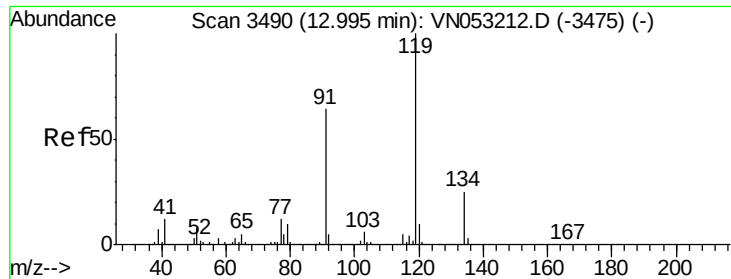
Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 657205 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 34.3  | 0.0   | 68.2   |





#79

tert-butylbenzene

Concen: 20.981 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

Instrument :

MSVOA\_N

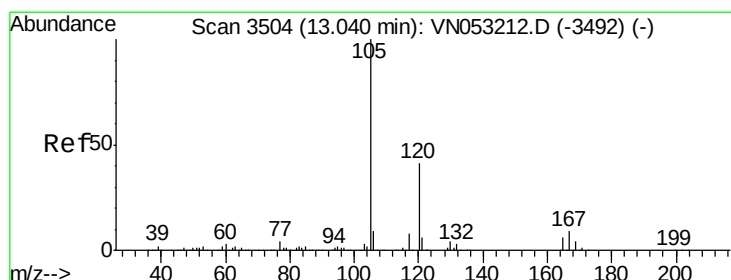
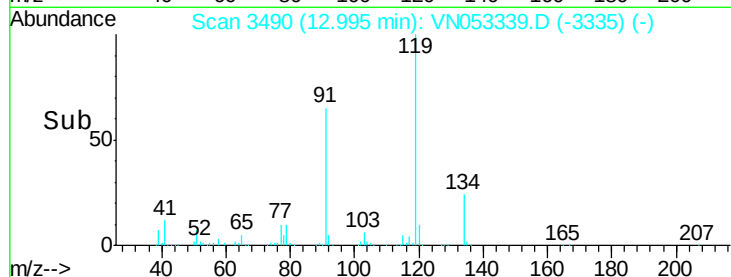
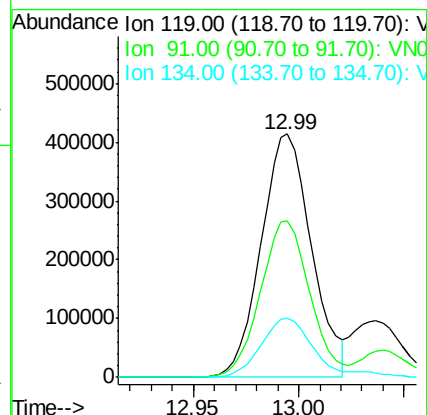
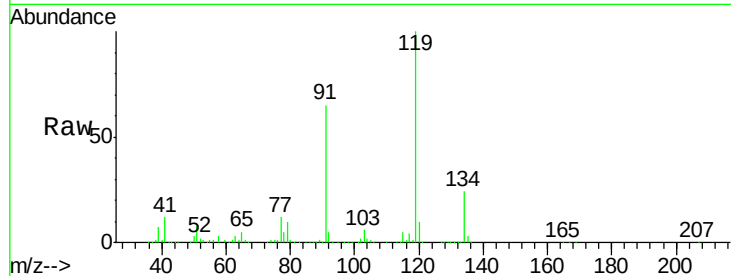
ClientSampled :

VN0110WBSD01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 119     | 100  |       | 687856 |       |       |
| 91      | 63.2 | 0.0   | 129.8  |       |       |
| 134     | 24.7 | 0.0   | 52.2   |       |       |

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#80

1,2,4-Trimethylbenzene

Concen: 20.827 ug/l

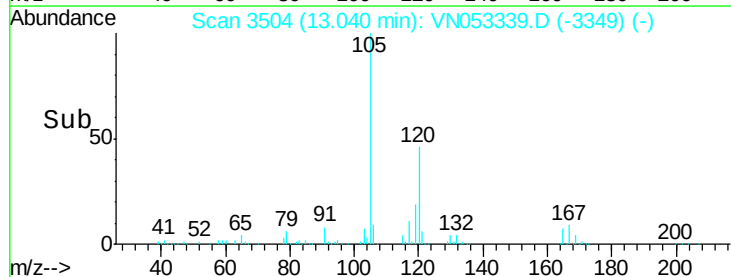
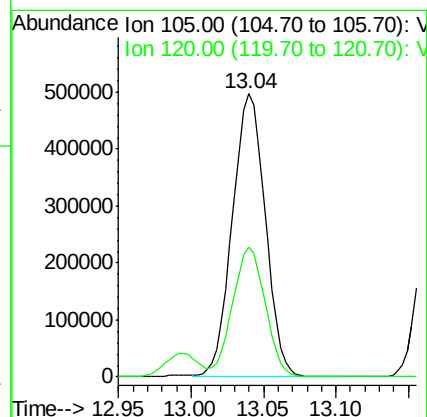
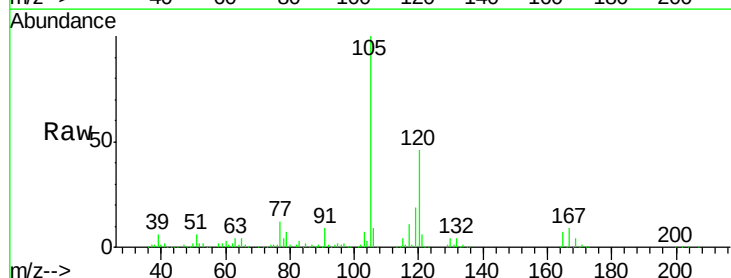
RT: 13.04 min Scan# 3504

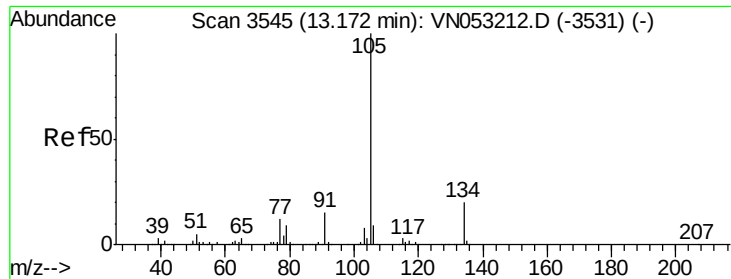
Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 105     | 100  |       | 784684 |       |       |
| 120     | 45.6 | 0.0   | 91.0   |       |       |





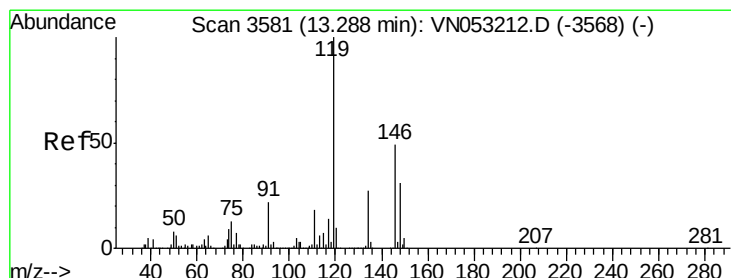
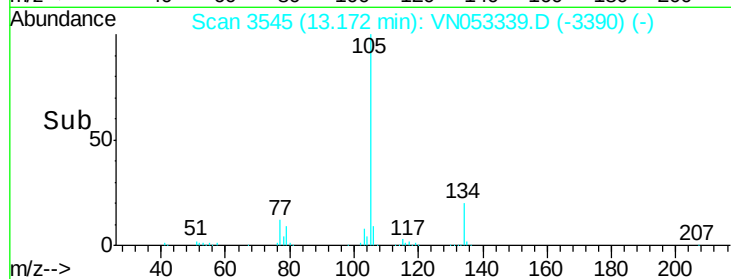
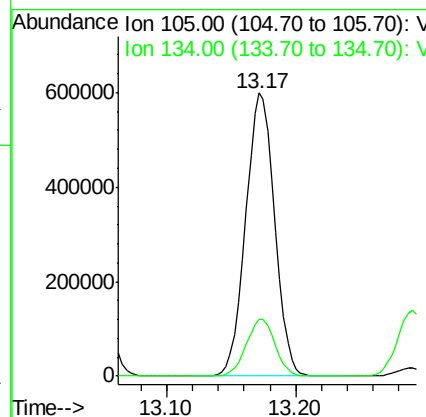
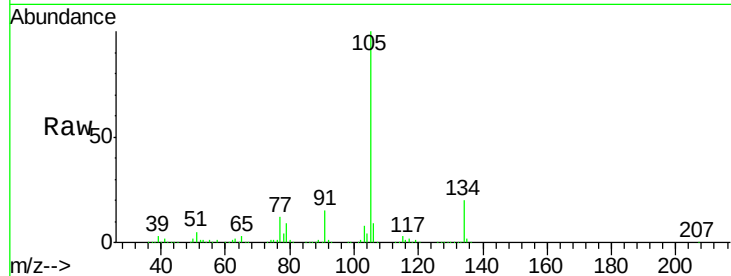
#81  
 sec-Butylbenzene  
 Concen: 21.485 ug/l  
 RT: 13.17 min Scan# 3545  
 Delta R.T. -0.00 min  
 Lab File: VN053339.D  
 Acq: 10 Jan 2019 14:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0110WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.2  | 0.0   | 40.4  |

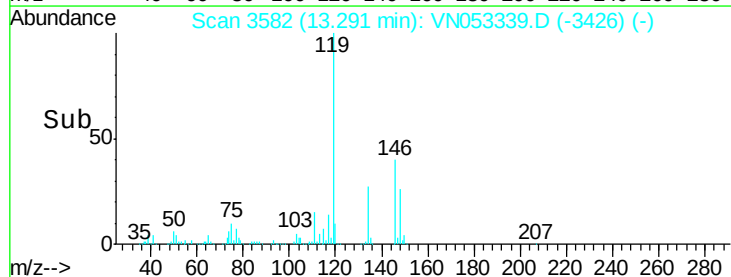
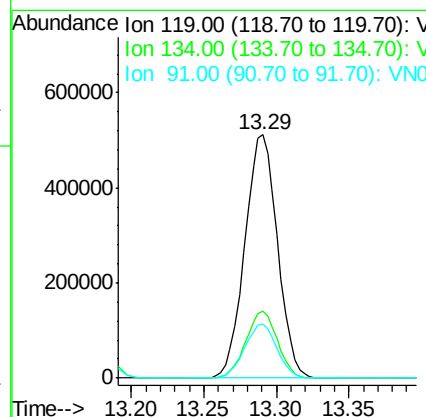
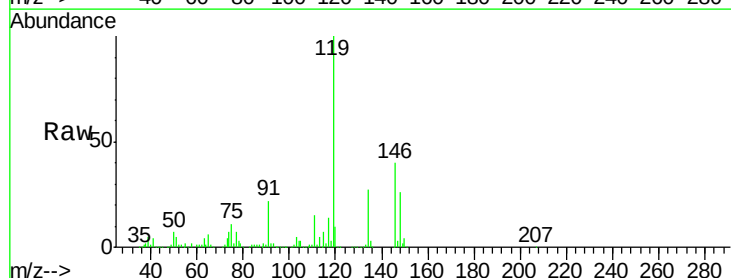
Manual Integrations  
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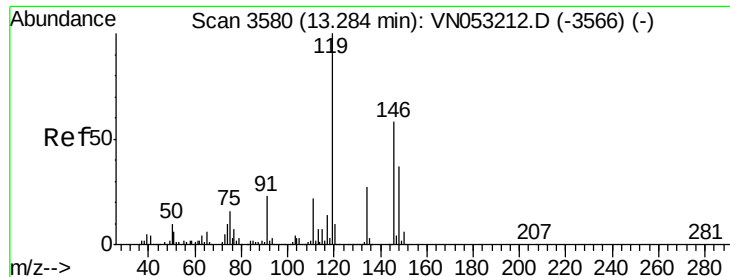
MMDadoda  
 1/11/2019 10:11:50 AM



#82  
 p-Isopropyltoluene  
 Concen: 21.295 ug/l  
 RT: 13.29 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN053339.D  
 Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.8  | 0.0   | 52.6  |
| 91      | 21.9  | 0.0   | 46.2  |





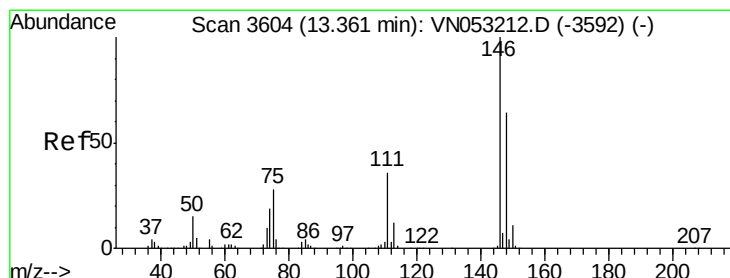
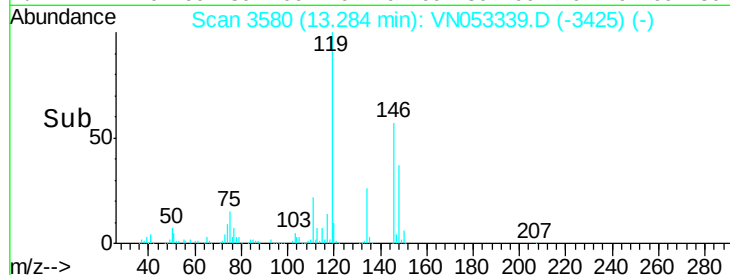
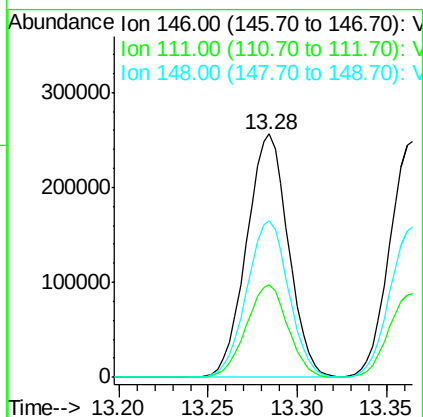
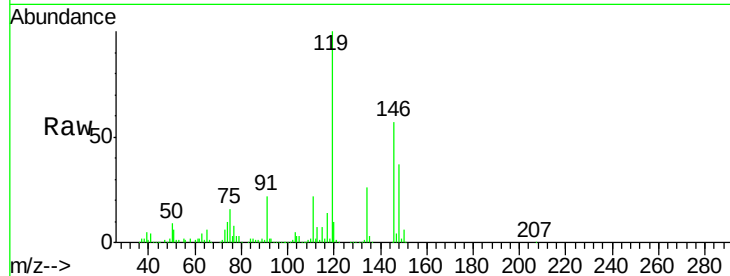
#83  
1,3-Dichlorobenzene  
Concen: 20.203 ug/l  
RT: 13.28 min Scan# 3580  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0110WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.0  | 19.7  | 59.0  |
| 148     | 64.9  | 32.3  | 96.8  |

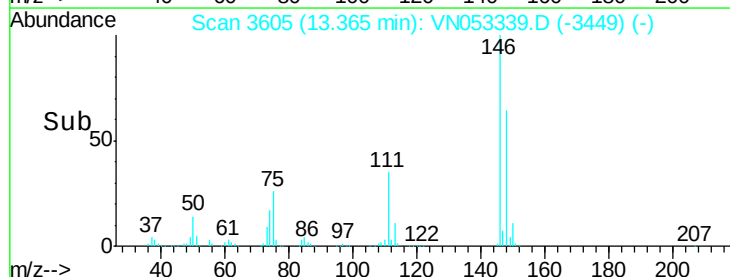
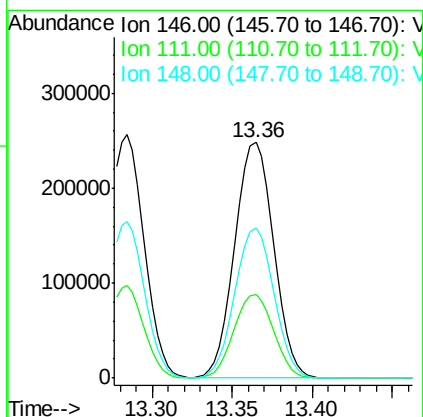
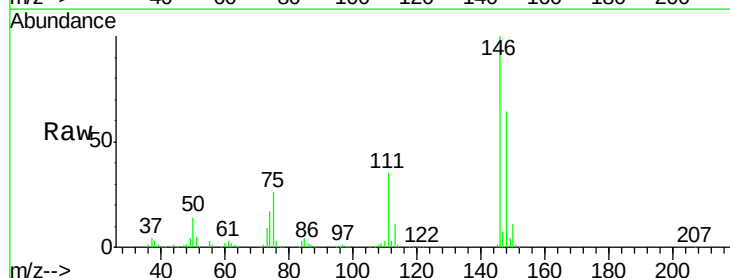
Manual Integrations  
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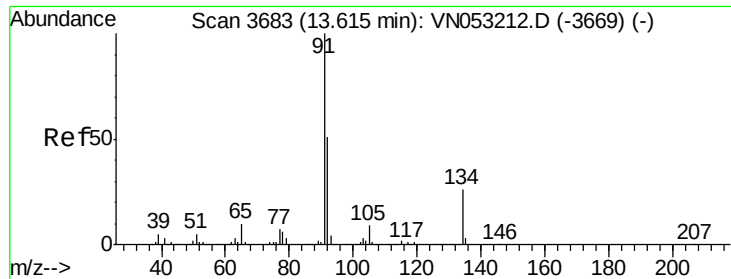
MMDadoda  
1/11/2019 10:11:50 AM



#84  
1,4-Dichlorobenzene  
Concen: 20.387 ug/l  
RT: 13.36 min Scan# 3605  
Delta R.T. 0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.1  | 18.8  | 56.3  |
| 148     | 64.0  | 32.5  | 97.4  |





#85

n-Butylbenzene

Concen: 21.102 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

Instrument :

MSVOA\_N

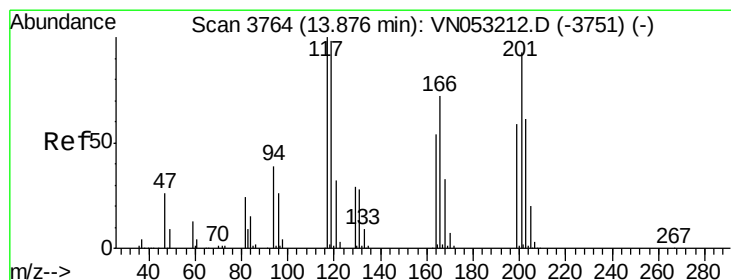
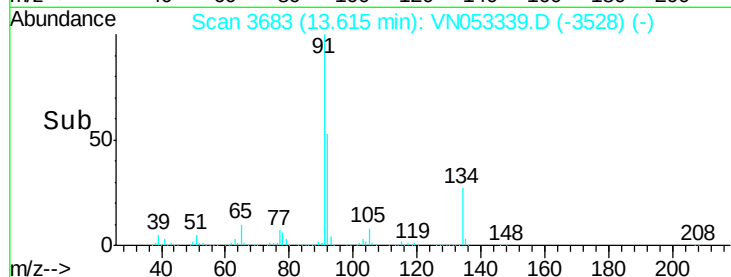
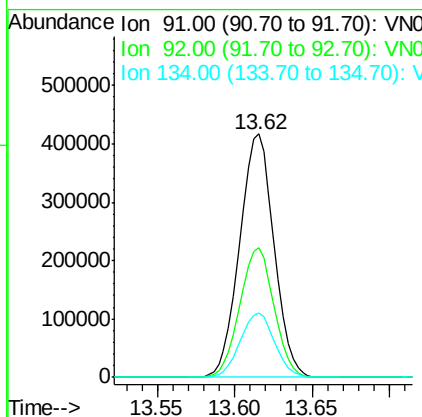
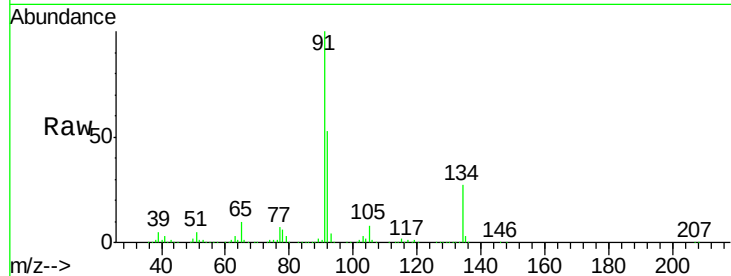
ClientSampleId :

VN0110WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 91    | Resp: | 643771 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 92        | 53.2  | 0.0   | 104.2  |
| 134       | 26.6  | 0.0   | 50.6   |

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#86

Hexachloroethane

Concen: 19.820 ug/l

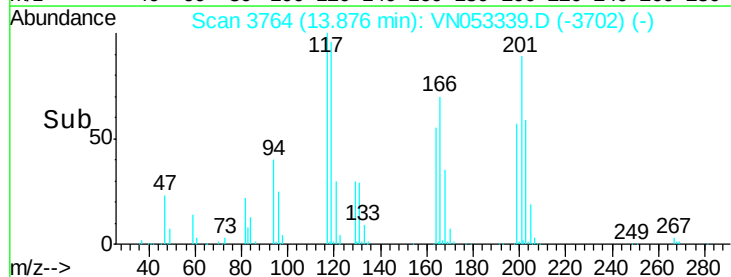
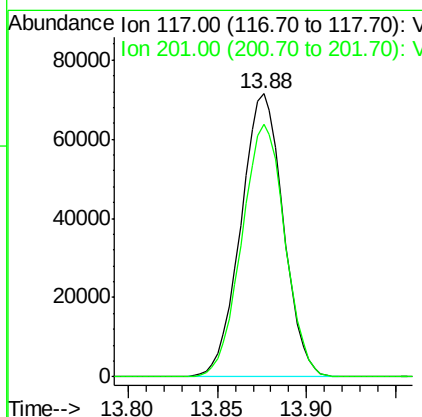
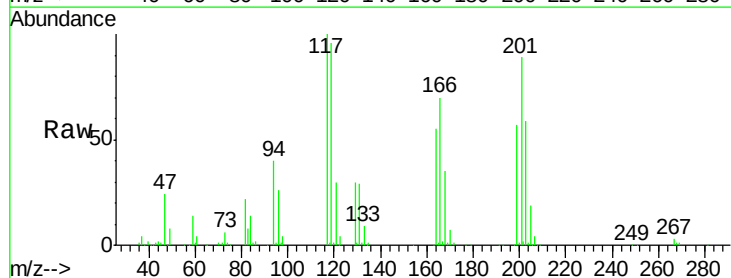
RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

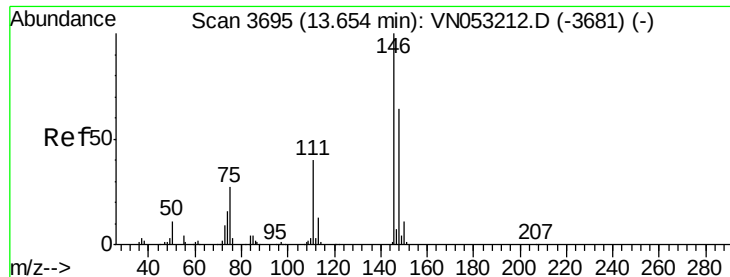
Lab File: VN053339.D

Acq: 10 Jan 2019 14:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 118711 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 201       | 90.5  | 43.8  | 131.3  |







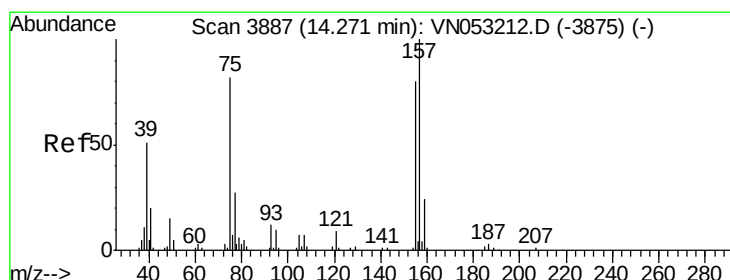
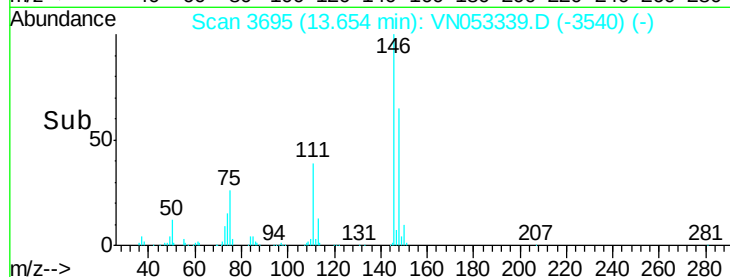
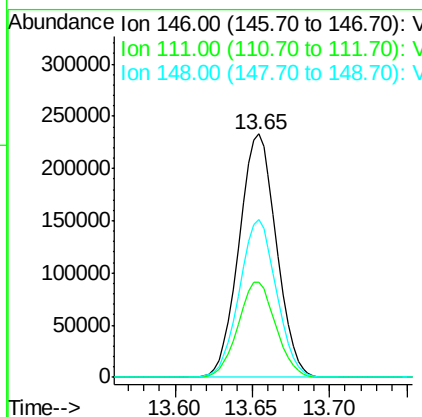
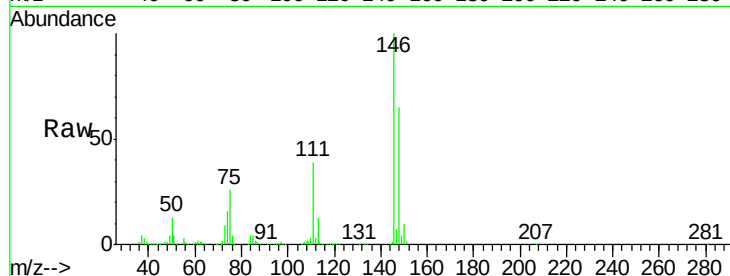
#87  
 1,2-Dichlorobenzene  
 Concen: 20.319 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. -0.00 min  
 Lab File: VN053339.D  
 Acq: 10 Jan 2019 14:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0110WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 20.3  | 60.8  |
| 148     | 64.2  | 32.1  | 96.5  |

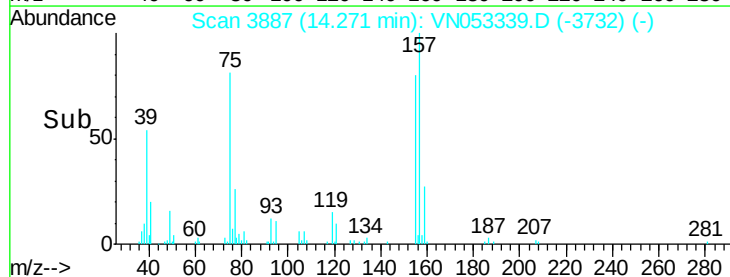
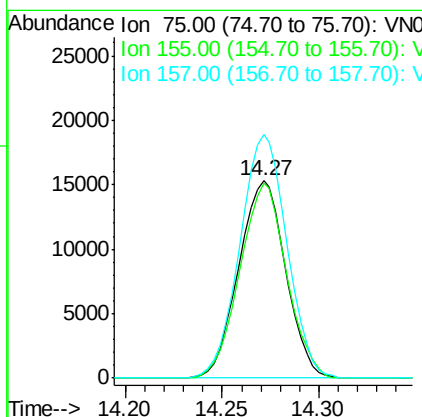
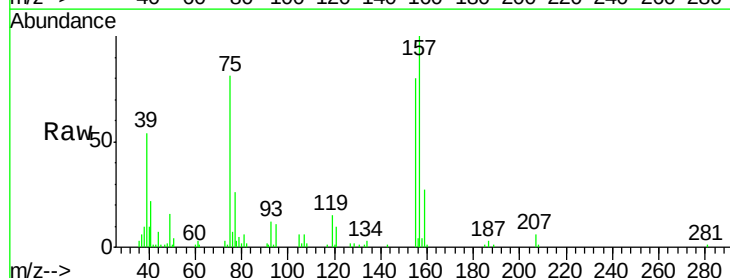
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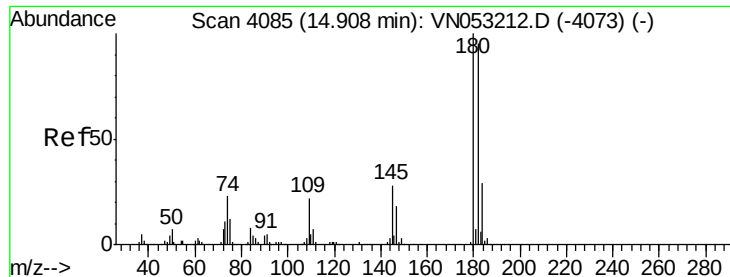
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#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.131 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. -0.00 min  
 Lab File: VN053339.D  
 Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 98.0  | 72.2  | 108.2 |
| 157     | 123.0 | 94.2  | 141.2 |





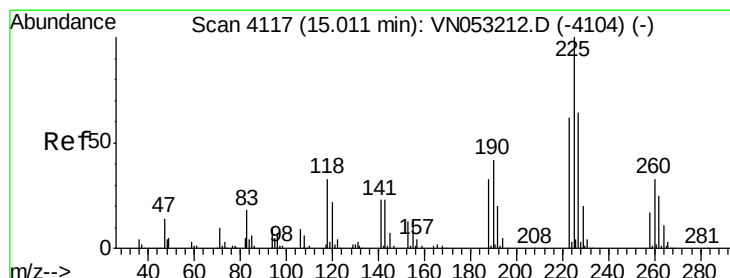
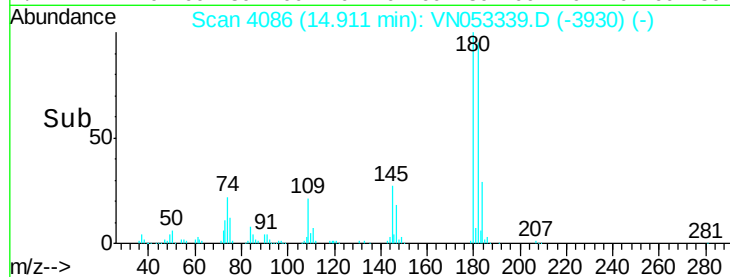
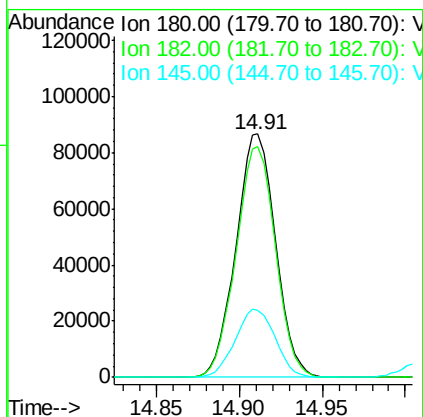
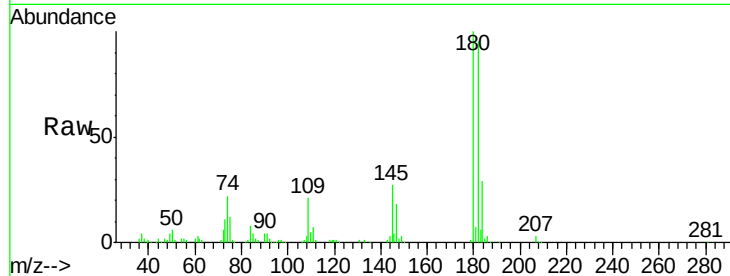
#89  
 1,2,4-Trichlorobenzene  
 Concen: 15.403 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN053339.D  
 Acq: 10 Jan 2019 14:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0110WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.6  | 76.6  | 114.8 |
| 145     | 28.2  | 23.6  | 35.4  |

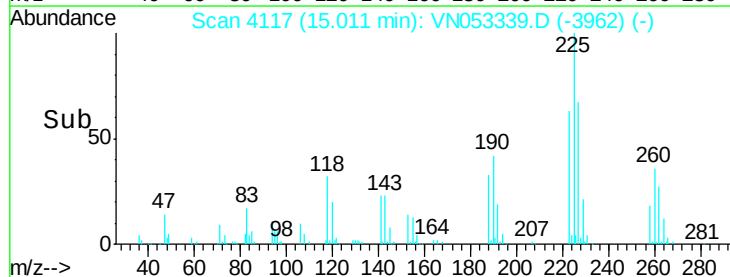
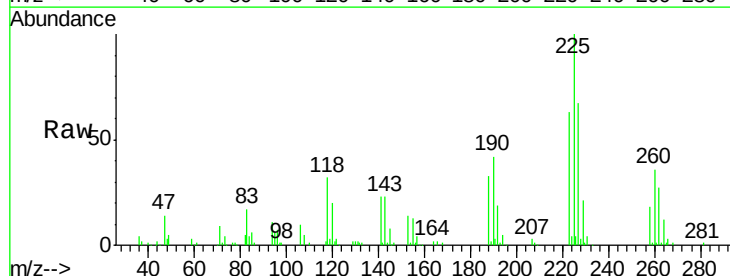
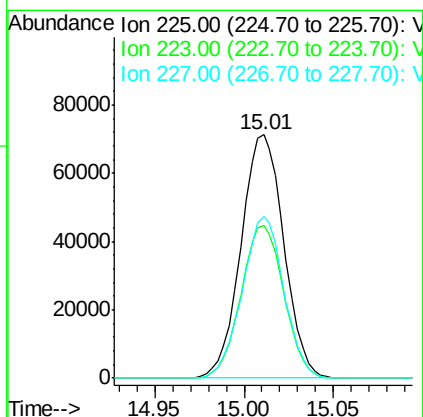
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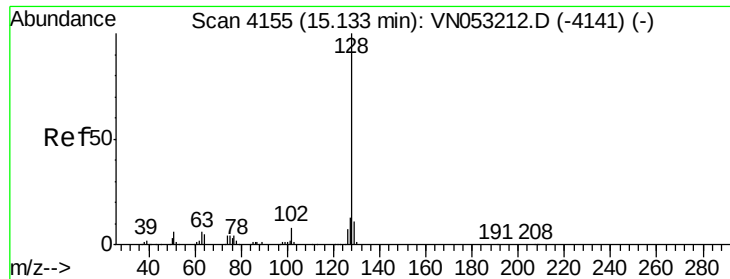
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#90  
 Hexachlorobutadiene  
 Concen: 21.048 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. -0.00 min  
 Lab File: VN053339.D  
 Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.7  | 0.0   | 125.6 |
| 227     | 64.7  | 0.0   | 127.8 |





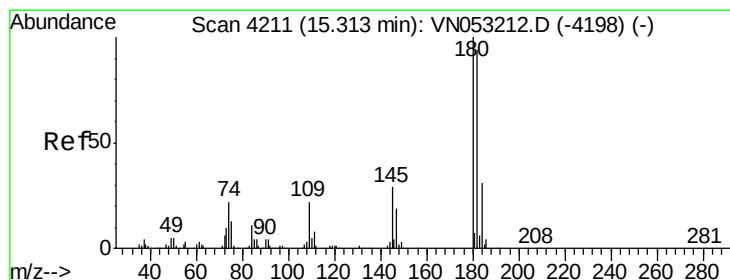
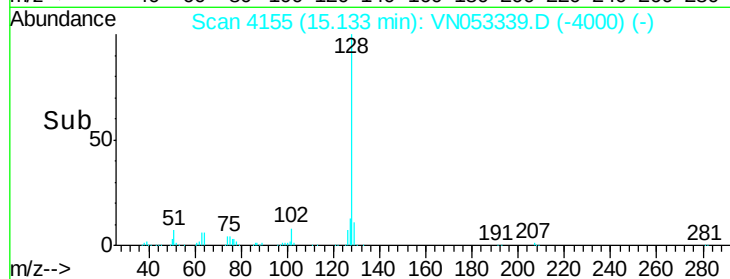
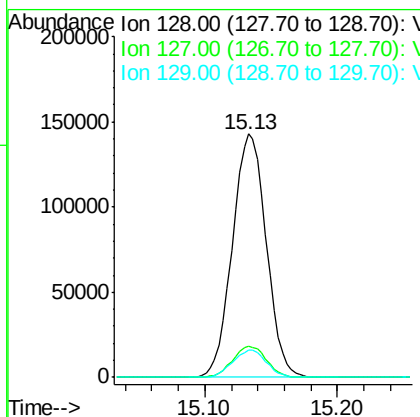
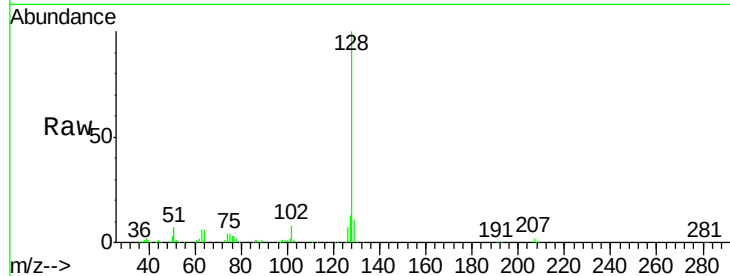
#91  
Naphthalene  
Concen: 12.761 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. -0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0110WBSD01

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 128     | 100   |            |       |
| 127     | 12.8  | 9.9        | 14.9  |
| 129     | 11.1  | 8.5        | 12.7  |

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#92  
1,2,3-Trichlorobenzene  
Concen: 12.293 ug/l  
RT: 15.32 min Scan# 4212  
Delta R.T. 0.00 min  
Lab File: VN053339.D  
Acq: 10 Jan 2019 14:07

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 180     | 100   |            |       |
| 182     | 97.2  | 0.0        | 196.2 |
| 145     | 29.2  | 0.0        | 62.2  |

