

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010419\  
 Data File : VN053280.D  
 Acq On : 4 Jan 2019 10:50  
 Operator : MD\SY  
 Sample : VN0104WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 6 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0104WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 1/7/2019 11:10:01 AM

Quant Time: Jan 05 00:14:13 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   | 7.19  | 128  | 137695   | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 783416   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 698640   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.03   | 65    | 265876   | 30.40    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 101.33% |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 320963   | 30.02    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 100.07% |
| 63) Toluene-d8            | 10.09  | 98    | 952554   | 30.26    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 100.87% |

## Target Compounds

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Ovalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85   | 182019   | 19.840  | ug/l  | 99     |
| 3) Chloromethane              | 2.06 | 50   | 208092   | 19.326  | ug/l  | 99     |
| 4) Vinyl Chloride             | 2.19 | 62   | 205031   | 19.350  | ug/l  | 98     |
| 5) Bromomethane               | 2.57 | 94   | 136409   | 19.967  | ug/l  | 100    |
| 6) Chloroethane               | 2.71 | 64   | 116943   | 19.159  | ug/l  | 99     |
| 7) Trichlorofluoromethane     | 3.02 | 101  | 256548   | 19.606  | ug/l  | 99     |
| 8) Diethyl Ether              | 3.41 | 74   | 97432    | 20.041  | ug/l  | 92     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101  | 161424   | 19.634  | ug/l  | 96     |
| 10) 1,1-Dichloroethene        | 3.74 | 96   | 153226   | 19.098  | ug/l  | 93     |
| 11) Methyl Iodide             | 3.96 | 142  | 234731   | 19.978  | ug/l  | 99     |
| 12) Methyl Acetate            | 4.32 | 43   | 138550   | 22.156  | ug/l  | 95     |
| 13) Acrolein                  | 3.61 | 56   | 69914    | 93.642  | ug/l  | 98     |
| 14) Acrylonitrile             | 4.99 | 53   | 297402   | 106.307 | ug/l  | 97     |
| 15) Acetone                   | 3.82 | 58   | 71626    | 120.469 | ug/l  | 87     |
| 16) Carbon Disulfide          | 4.06 | 76   | 457822   | 18.549  | ug/l  | 100    |
| 17) Allyl chloride            | 4.33 | 41   | 230633   | 18.273  | ug/l  | 98     |
| 18) Methylene Chloride        | 4.55 | 84   | 178174   | 19.404  | ug/l  | 94     |
| 19) trans-1,2-Dichloroethene  | 5.05 | 96   | 165314   | 19.497  | ug/l  | 91     |
| 20) Diisopropyl ether         | 5.95 | 45   | 531866   | 19.677  | ug/l  | 98     |
| 21) 1,1-Dichloroethane        | 5.85 | 63   | 307376   | 19.531  | ug/l  | 99     |
| 22) cis-1,2-Dichloroethene    | 6.83 | 96   | 187511   | 19.632  | ug/l  | 96     |
| 23) tert-Butyl Alcohol        | 4.77 | 59   | 49920m   | 105.852 | ug/l  |        |
| 24) Methyl tert-Butyl Ether   | 5.04 | 73   | 416188   | 19.893  | ug/l  | 98     |
| 25) Chloroform                | 7.37 | 83   | 300858   | 19.888  | ug/l  | 100    |
| 26) Cyclohexane               | 7.65 | 56   | 275129   | 18.743  | ug/l  | # 98   |
| 29) 1,1-Dichloropropene       | 7.80 | 75   | 231259   | 19.488  | ug/l  | 99     |
| 30) 2-Butanone                | 6.83 | 43   | 336357   | 113.611 | ug/l  | 98     |
| 31) 2,2-Dichloropropane       | 6.82 | 77   | 218896   | 19.054  | ug/l  | 97     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97   | 246987   | 19.865  | ug/l  | 97     |
| 33) Carbon Tetrachloride      | 7.78 | 117  | 215549   | 19.805  | ug/l  | 99     |
| 34) Benzene                   | 8.04 | 78   | 709757   | 19.902  | ug/l  | 98     |
| 35) Methacrylonitrile         | 7.19 | 41   | 91184m   | 23.868  | ug/l  |        |
| 36) 1,2-Dichloroethane        | 8.12 | 62   | 209320   | 20.218  | ug/l  | 97     |
| 37) Trichloroethene           | 8.84 | 130  | 193376   | 20.016  | ug/l  | 97     |
| 38) Methylcyclohexane         | 9.08 | 83   | 265624   | 19.137  | ug/l  | 96     |
| 39) 1,2-Dichloropropane       | 9.12 | 63   | 188001   | 20.188  | ug/l  | 97     |
| 40) Dibromomethane            | 9.21 | 93   | 108400   | 20.582  | ug/l  | 94     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010419\  
 Data File : VN053280.D  
 Acq On : 4 Jan 2019 10:50  
 Operator : MD\SY  
 Sample : VN0104WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 6 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0104WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 1/7/2019 11:10:01 AM

Quant Time: Jan 05 00:14:13 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   | 225429   | 19.931  | ug/l   | 99       |
| 42) Vinyl Acetate              | 5.90  | 43   | 1664430  | 103.048 | ug/l   | 98       |
| 43) Ethyl Acetate              | 6.93  | 43   | 142030   | 21.482  | ug/l # | 69       |
| 44) Isopropyl Acetate          | 8.16  | 43   | 255840   | 20.773  | ug/l   | 95       |
| 45) 1,4-Dioxane                | 9.20  | 88   | 30587    | 406.128 | ug/l   | 95       |
| 46) Methyl methacrylate        | 9.20  | 41   | 128664   | 20.679  | ug/l   | 93       |
| 47) n-amyl Acetate             | 12.07 | 43   | 214399   | 19.822  | ug/l   | 100      |
| 48) t-1,3-Dichloropropene      | 10.38 | 75   | 223769   | 19.384  | ug/l   | 99       |
| 49) cis-1,3-Dichloropropene    | 9.84  | 75   | 267802   | 19.702  | ug/l   | 95       |
| 50) 1,1,2-Trichloroethane      | 10.56 | 97   | 157785   | 20.895  | ug/l   | 99       |
| 51) Ethyl methacrylate         | 10.43 | 69   | 201141   | 20.438  | ug/l   | 91       |
| 52) 1,3-Dichloropropane        | 10.71 | 76   | 266458   | 20.484  | ug/l   | 100      |
| 53) Dibromochloromethane       | 10.90 | 129  | 170274   | 20.077  | ug/l   | 98       |
| 54) 1,2-Dibromoethane          | 11.01 | 107  | 152957   | 20.079  | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether  | 9.70  | 63   | 577786   | 102.298 | ug/l   | 98       |
| 56) Bromoform                  | 12.13 | 173  | 116293   | 20.044  | ug/l   | 98       |
| 58) 4-Methyl-2-Pentanone       | 9.99  | 43   | 740857   | 111.285 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.75 | 43   | 501312   | 109.076 | ug/l   | 97       |
| 61) Tetrachloroethene          | 10.63 | 164  | 215833   | 20.905  | ug/l   | 96       |
| 62) Toluene                    | 10.16 | 91   | 767510   | 20.031  | ug/l   | 100      |
| 64) Chlorobenzene              | 11.43 | 112  | 477663   | 19.866  | ug/l   | 98       |
| 65) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 168122   | 19.933  | ug/l   | 99       |
| 66) Ethyl Benzene              | 11.51 | 91   | 818311   | 19.694  | ug/l   | 99       |
| 67) m/p-Xylenes                | 11.62 | 106  | 630989   | 40.153  | ug/l   | 98       |
| 68) o-Xylene                   | 11.95 | 106  | 305185   | 20.041  | ug/l   | 98       |
| 69) Styrene                    | 11.96 | 104  | 497931   | 20.032  | ug/l   | 99       |
| 70) Isopropylbenzene           | 12.25 | 105  | 802504   | 20.030  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 172227   | 20.420  | ug/l   | 100      |
| 72) 1,2,3-Trichloropropane     | 12.55 | 75   | 153129m  | 20.733  | ug/l   |          |
| 73) Bromobenzene               | 12.53 | 156  | 210307   | 20.420  | ug/l   | 93       |
| 74) n-propylbenzene            | 12.59 | 91   | 902896   | 19.908  | ug/l   | 99       |
| 75) 2-Chlorotoluene            | 12.67 | 91   | 540633   | 20.127  | ug/l   | 98       |
| 76) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 656794   | 20.665  | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene    | 12.30 | 75   | 48920    | 18.851  | ug/l   | 96       |
| 78) 4-Chlorotoluene            | 12.77 | 91   | 551998   | 20.188  | ug/l   | 99       |
| 79) tert-butylbenzene          | 12.99 | 119  | 557841   | 20.125  | ug/l   | 98       |
| 80) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 651562   | 20.454  | ug/l   | 100      |
| 81) sec-Butylbenzene           | 13.17 | 105  | 742879   | 20.239  | ug/l   | 100      |
| 82) p-Isopropyltoluene         | 13.29 | 119  | 641866   | 20.237  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene        | 13.28 | 146  | 353750   | 20.173  | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene        | 13.36 | 146  | 342574   | 20.041  | ug/l   | 99       |
| 85) n-Butylbenzene             | 13.62 | 91   | 505396   | 19.595  | ug/l   | 99       |
| 86) Hexachloroethane           | 13.88 | 117  | 97517    | 19.257  | ug/l   | 95       |
| 87) 1,2-Dichlorobenzene        | 13.65 | 146  | 329185   | 20.203  | ug/l   | 98       |
| 88) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 17036    | 14.124  | ug/l   | 93       |
| 89) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 75122    | 9.499   | ug/l   | 99       |
| 90) Hexachlorobutadiene        | 15.01 | 225  | 75347    | 15.740  | ug/l   | 99       |
| 91) Naphthalene                | 15.13 | 128  | 119611   | 7.128   | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 46648    | 6.611   | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010419\  
Data File : VN053280.D  
Acq On : 4 Jan 2019 10:50  
Operator : MD\SY  
Sample : VN0104WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 6 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104WBSD01

Manual Integrations  
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MMDadoda  
1/7/2019 11:10:01 AM

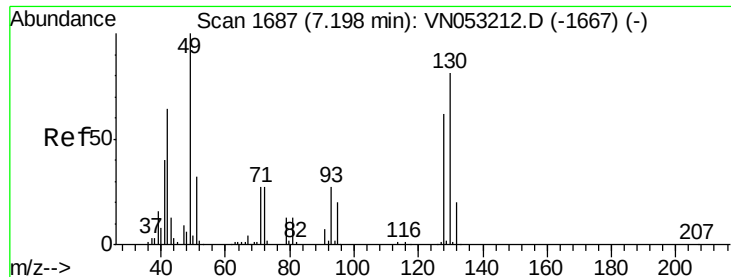
Quant Time: Jan 05 00:14:13 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Dec 28 10:33:50 2018  
Response via : Initial Calibration

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

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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

Instrument :

MSVOA\_N

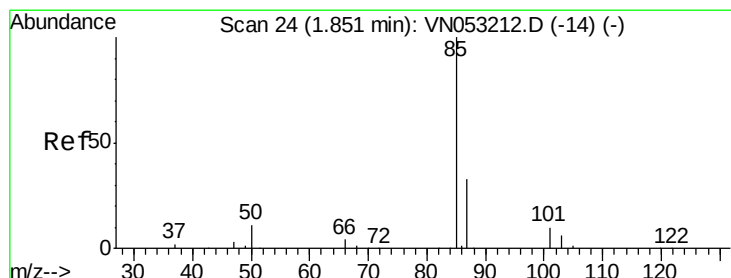
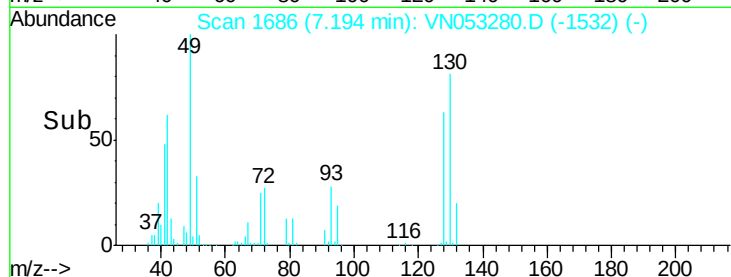
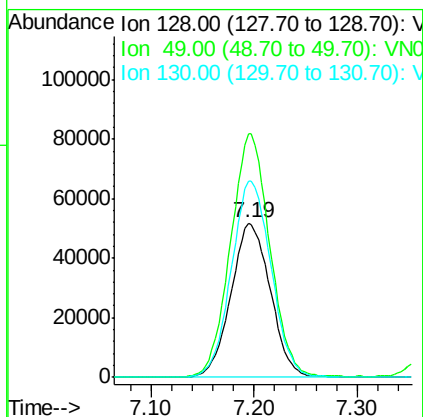
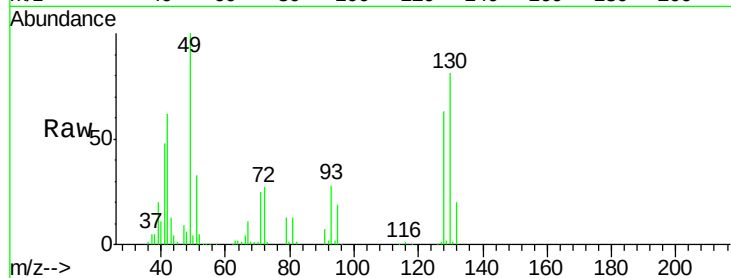
ClientSampled :

VN0104WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 128   | Resp: | 137695 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 49       | 157.8 | 0.0   | 431.8  |
| 130      | 128.7 | 0.0   | 317.0  |

Manual Integrations  
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#2

Dichlorodifluoromethane

Concen: 19.840 ug/l

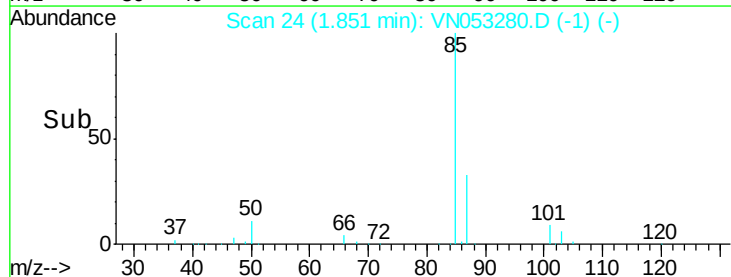
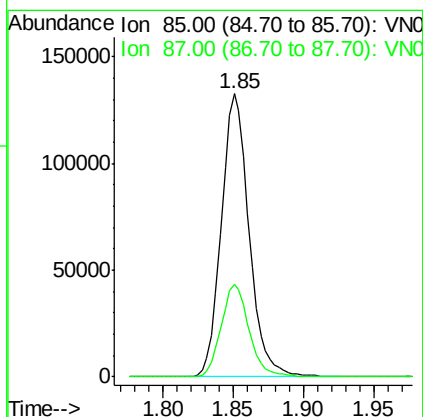
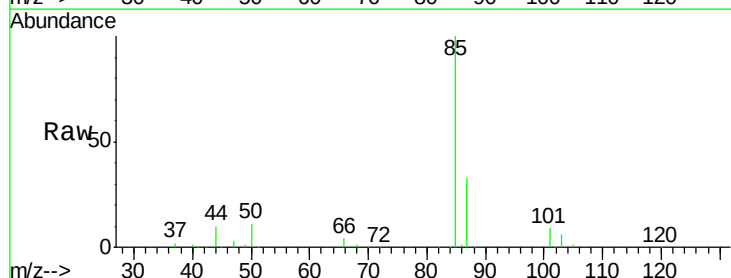
RT: 1.85 min Scan# 24

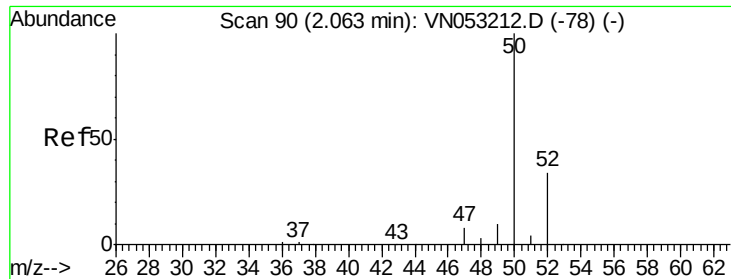
Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 85    | Resp: | 182019 |
| Ion      | Ratio | Lower | Upper  |
| 85       | 100   |       |        |
| 87       | 32.8  | 16.1  | 48.3   |





#3

Chloromethane

Concen: 19.326 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

Instrument :

MSVOA\_N

ClientSampled :

VN0104WBSD01

Tot Ion: 50 Resp: 208092

Ion Ratio Lower Upper

50 100

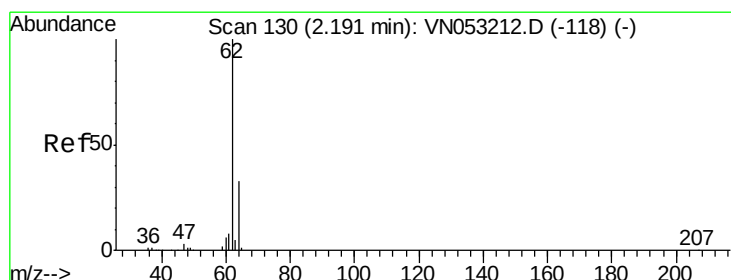
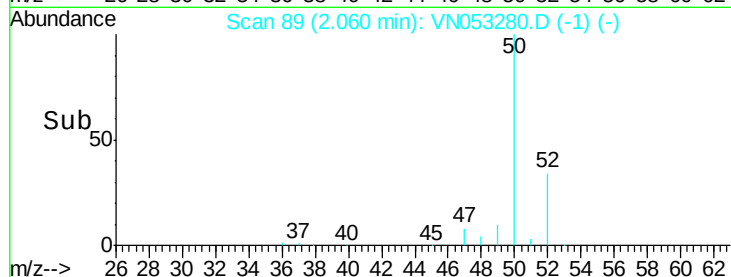
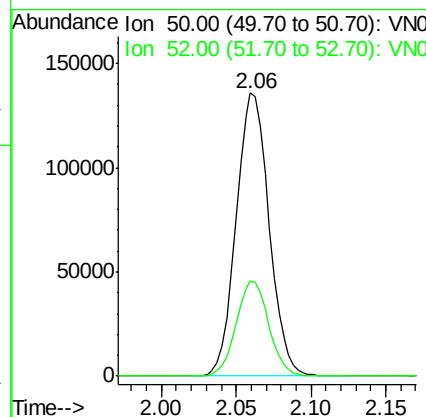
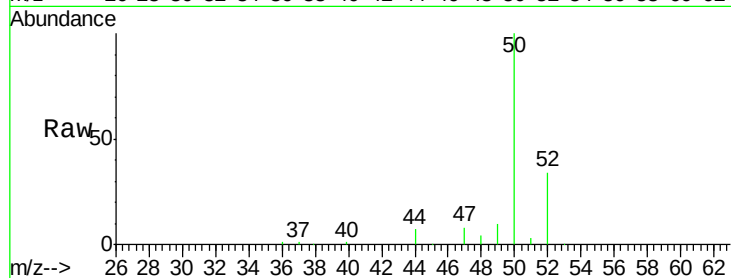
52 33.8 26.5 39.7

Manual Integrations

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1/7/2019 11:10:01 AM



#4

Vinyl Chloride

Concen: 19.350 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053280.D

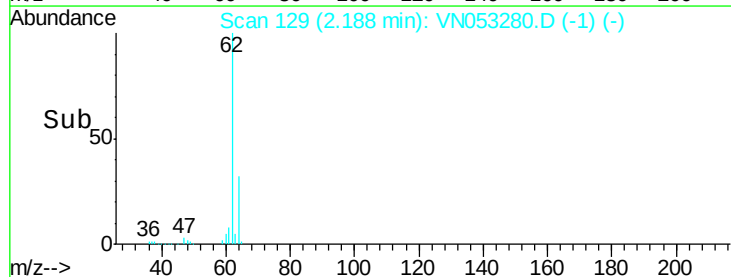
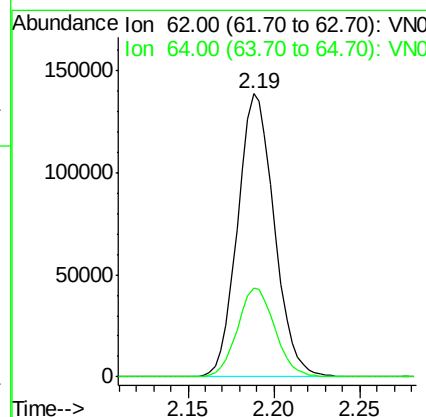
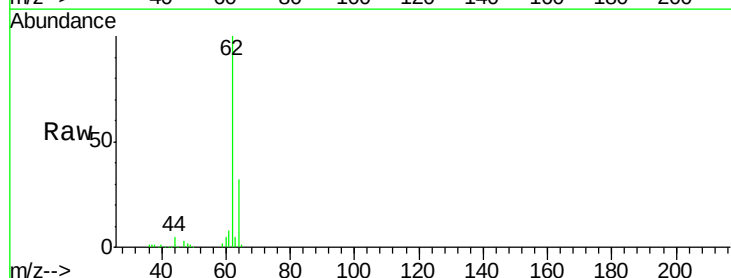
Acq: 4 Jan 2019 10:50

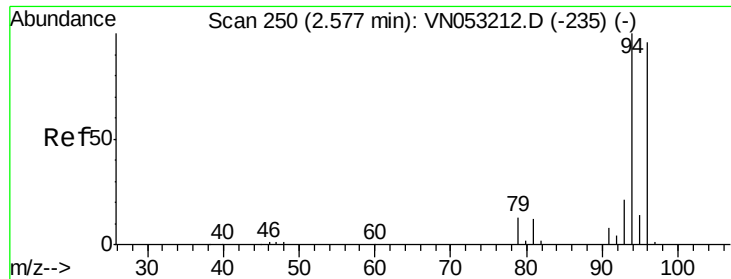
Tgt Ion: 62 Resp: 205031

Ion Ratio Lower Upper

62 100

64 31.5 24.2 36.4





#5

Bromomethane

Concen: 19.967 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.01 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0104WBSD01

Tot Ion: 94 Resp: 136409

Ion Ratio Lower Upper

94 100

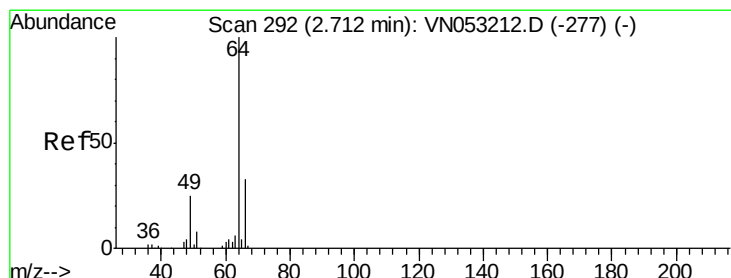
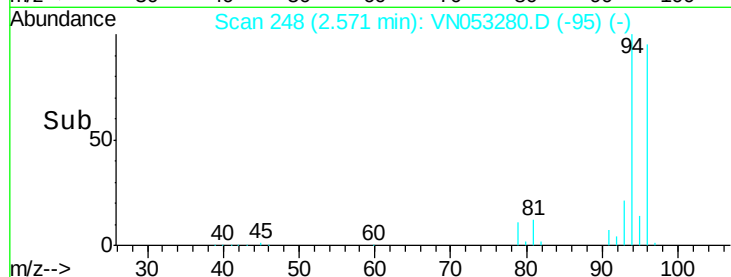
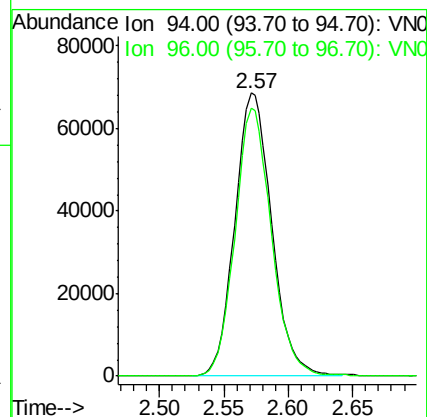
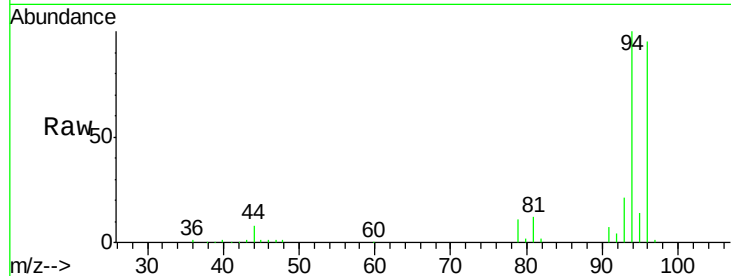
96 94.8 76.2 114.2

Manual Integrations

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1/7/2019 11:10:01 AM



#6

Chloroethane

Concen: 19.159 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053280.D

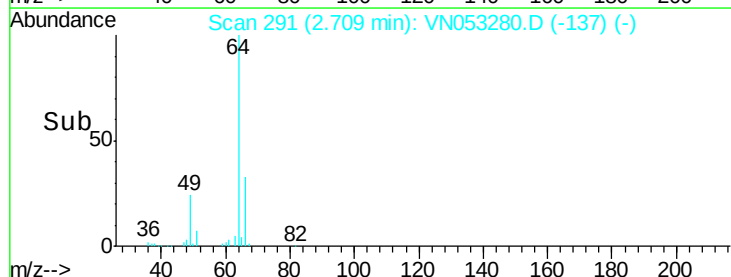
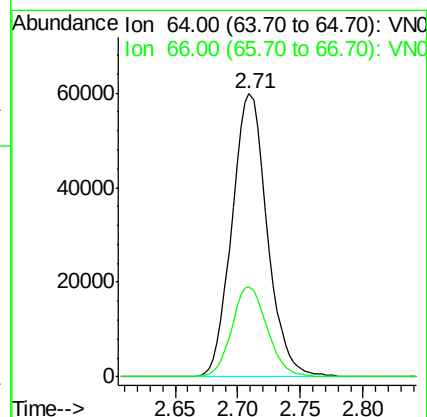
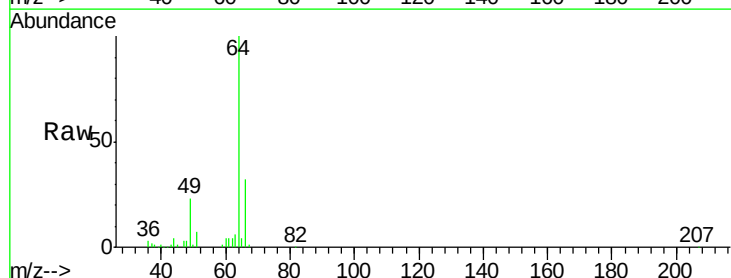
Acq: 4 Jan 2019 10:50

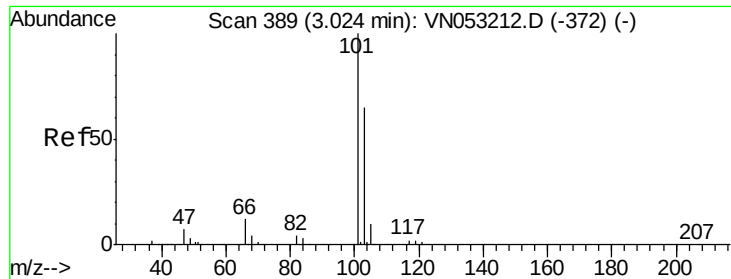
Tgt Ion: 64 Resp: 116943

Ion Ratio Lower Upper

64 100

66 31.7 25.6 38.4





#7

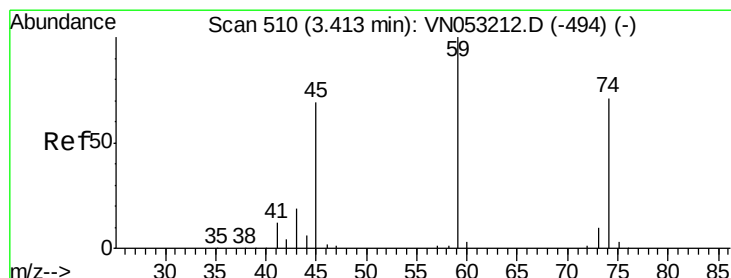
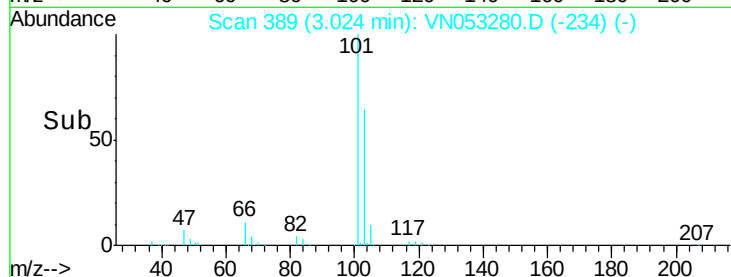
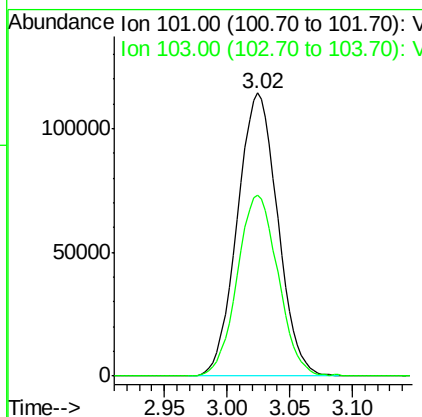
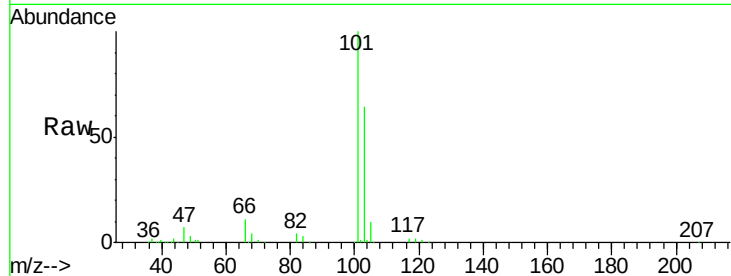
Trichlorofluoromethane  
Concen: 19.606 ug/l  
RT: 3.02 min Scan# 389  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0104WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.1  | 52.1  | 78.1  |

Manual Integrations  
APPROVED

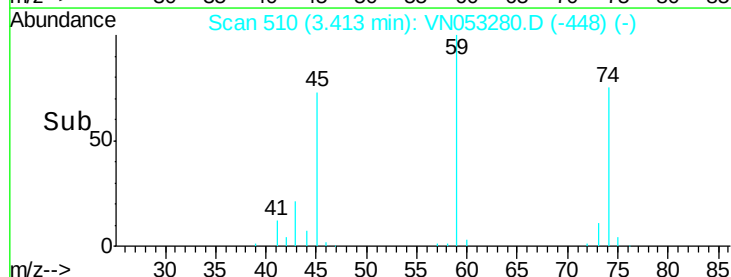
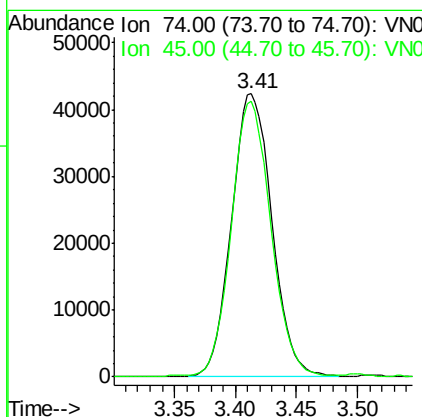
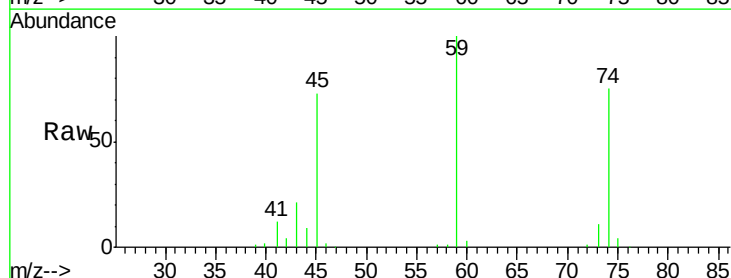
MMDadoda  
1/7/2019 11:10:01 AM



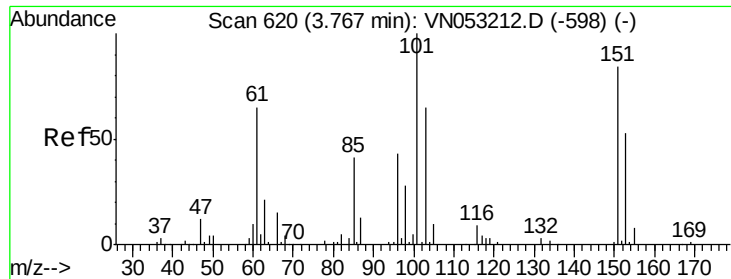
#8

Diethyl Ether  
Concen: 20.041 ug/l  
RT: 3.41 min Scan# 510  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 95.3  | 20.6  | 185.8 |







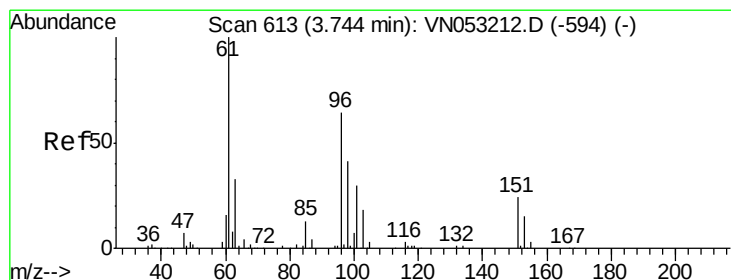
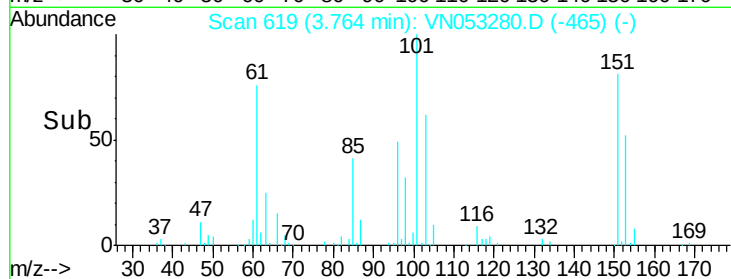
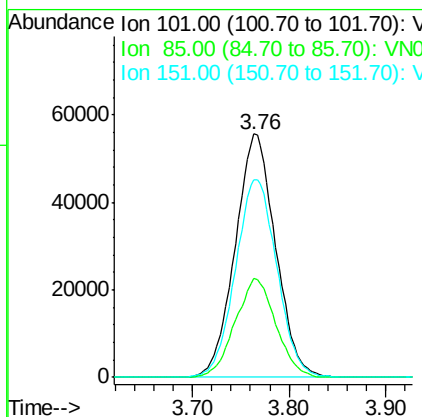
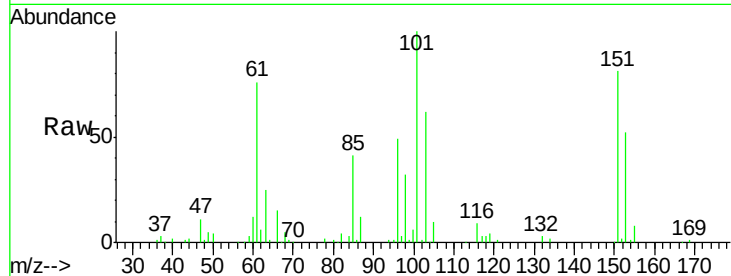
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 19.634 ug/l  
 RT: 3.76 min Scan# 619  
 Delta R.T. -0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0104WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 161424 |       |       |
| 85      | 40.8  | 0.0    | 82.6  |       |
| 151     | 83.6  | 0.0    | 158.4 |       |

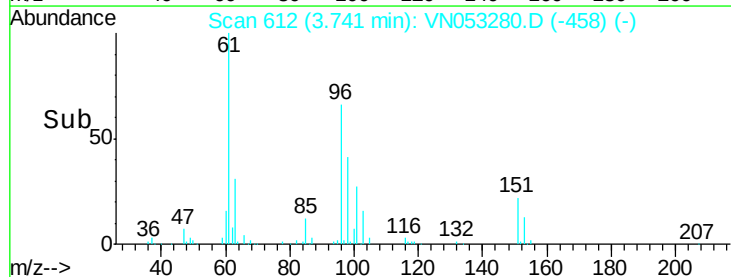
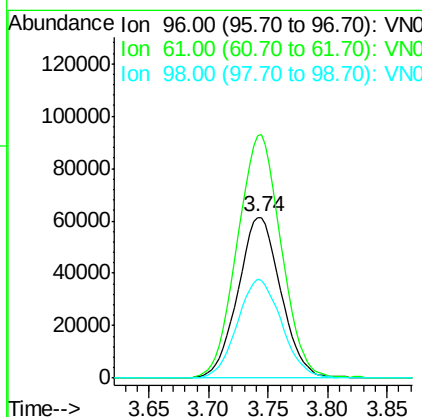
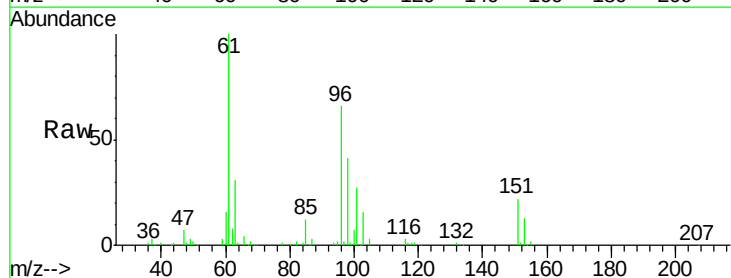
Manual Integrations  
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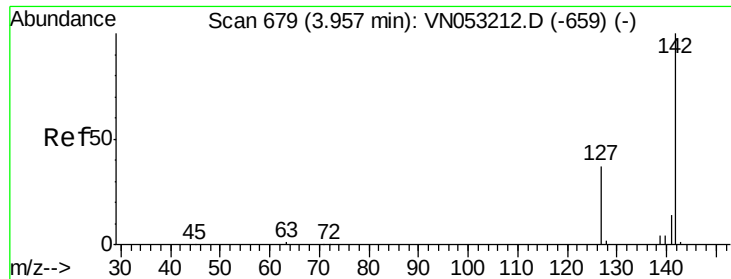
MMDadoda  
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#10  
 1,1-Dichloroethene  
 Concen: 19.098 ug/l  
 RT: 3.74 min Scan# 612  
 Delta R.T. -0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 153226 |       |       |
| 61      | 150.4 | 129.4  | 194.2 |       |
| 98      | 61.4  | 50.4   | 75.6  |       |





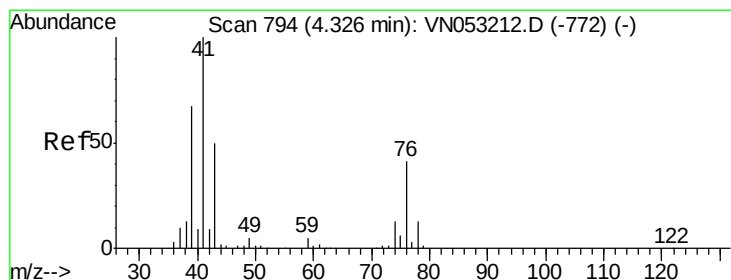
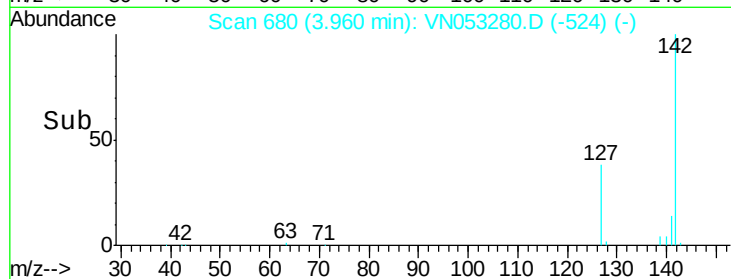
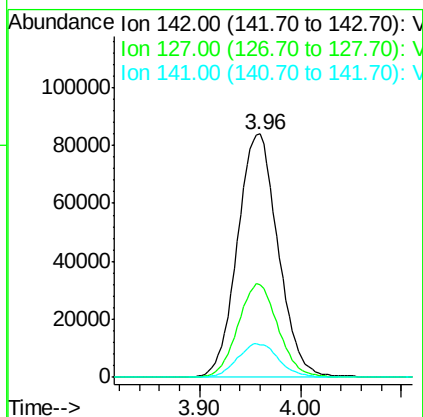
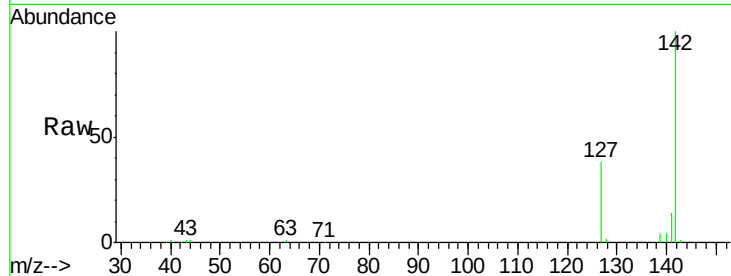
#11  
Methvl Iodide  
Concen: 19.978 ug/l  
RT: 3.96 min Scan# 680  
Delta R.T. 0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 38.2  | 19.4  | 58.1  |
| 141     | 13.6  | 7.2   | 21.6  |

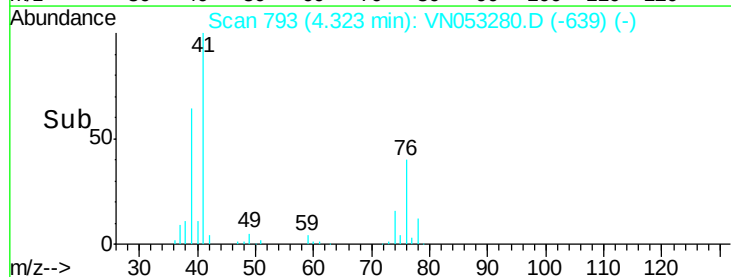
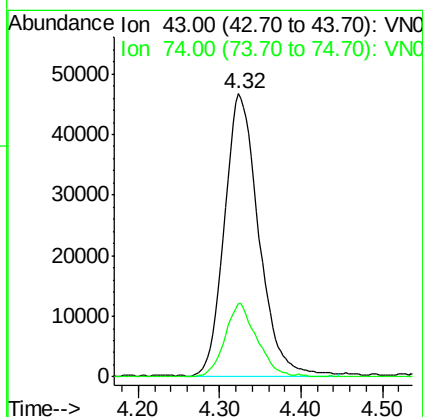
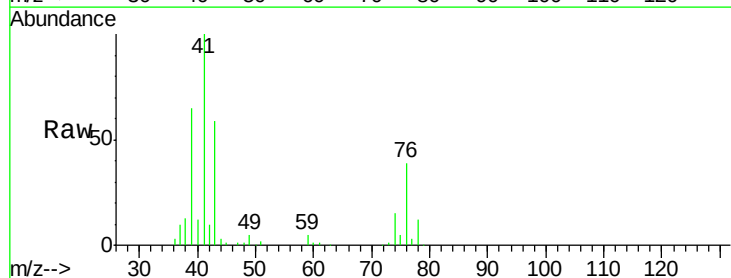
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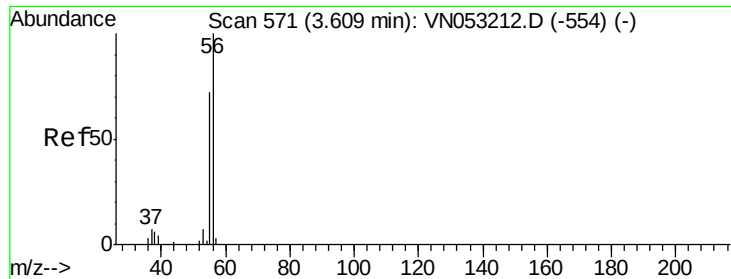
MMDadoda  
1/7/2019 11:10:01 AM



#12  
Methyl Acetate  
Concen: 22.156 ug/l  
RT: 4.32 min Scan# 793  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 25.9  | 18.9  | 28.3  |





#13

Acrolein

Concen: 93.642 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0104WBSD01

Tot Ion: 56 Resp: 69914

Ion Ratio Lower Upper

56 100

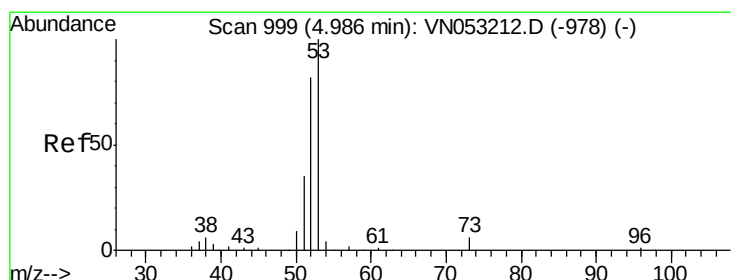
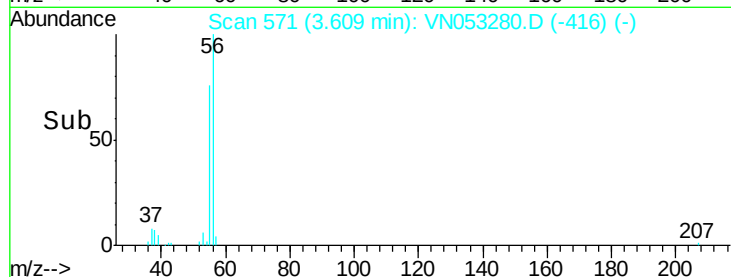
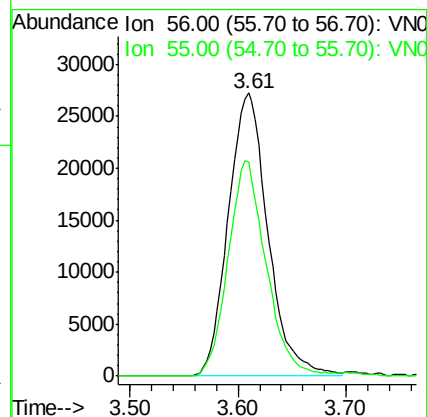
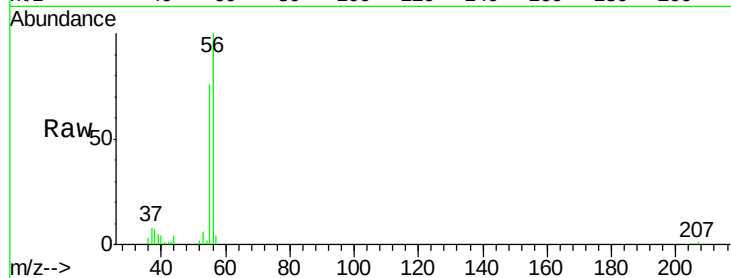
55 72.4 56.7 85.1

Manual Integrations

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#14

Acrylonitrile

Concen: 106.307 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

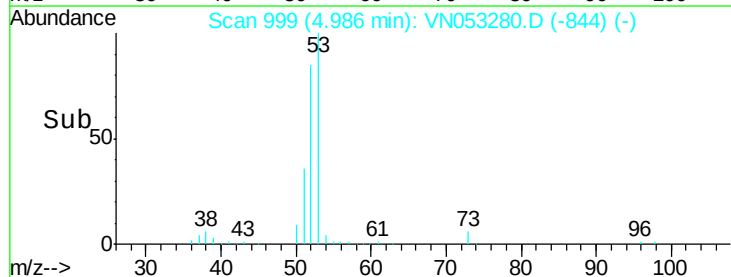
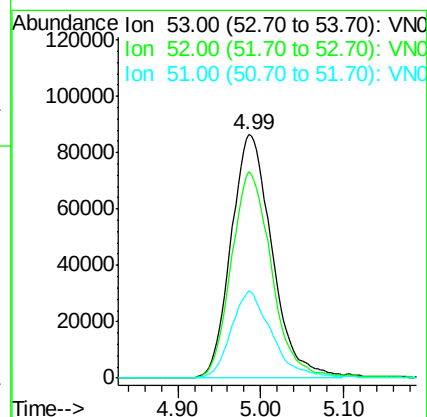
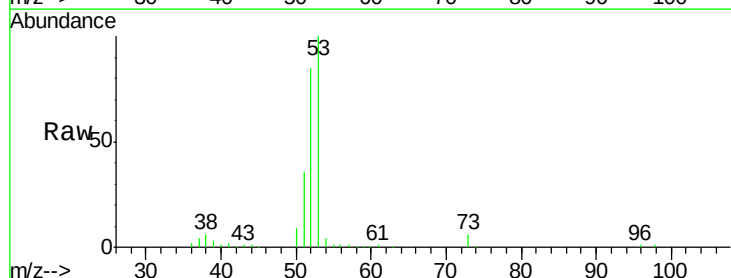
Tgt Ion: 53 Resp: 297402

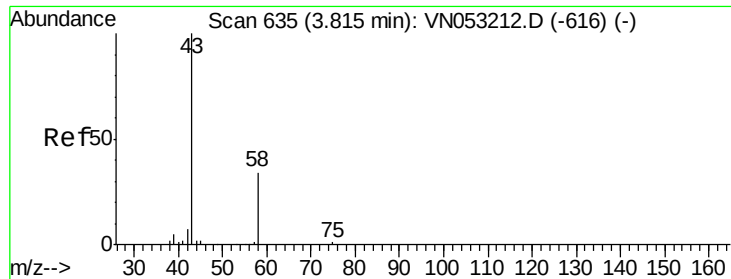
Ion Ratio Lower Upper

53 100

52 83.0 39.9 119.7

51 35.5 17.6 52.9





#15

Acetone

Concen: 120.469 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

Instrument :

MSVOA\_N

ClientSampled :

VN0104WBSD01

Tot Ion: 58 Resp: 71626

Ion Ratio Lower Upper

58 100

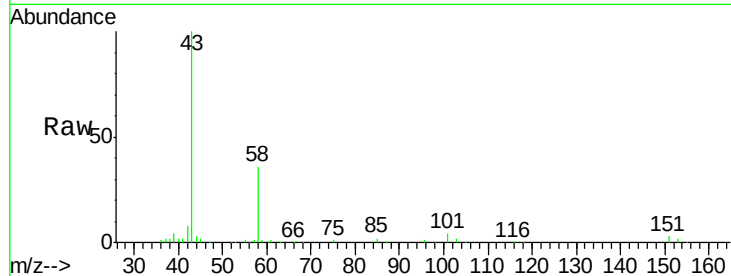
43 279.1 243.6 365.4

Manual Integrations

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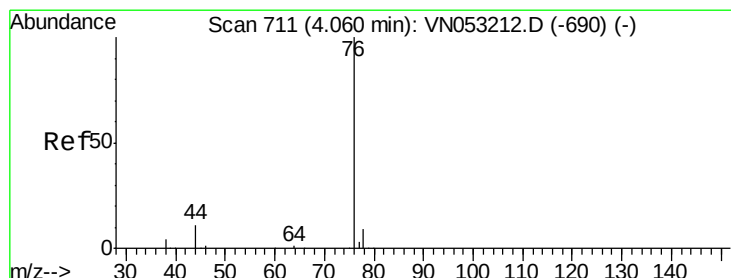
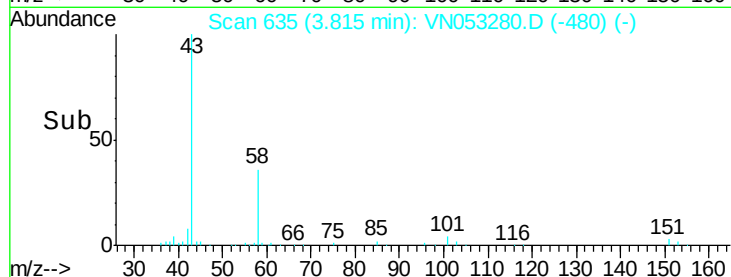
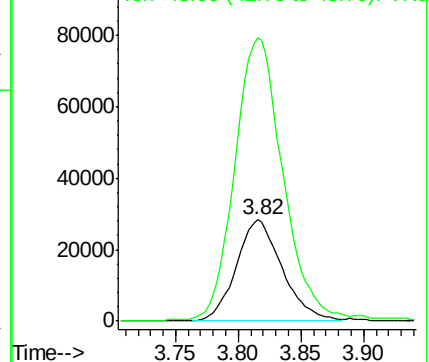
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.549 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN053280.D

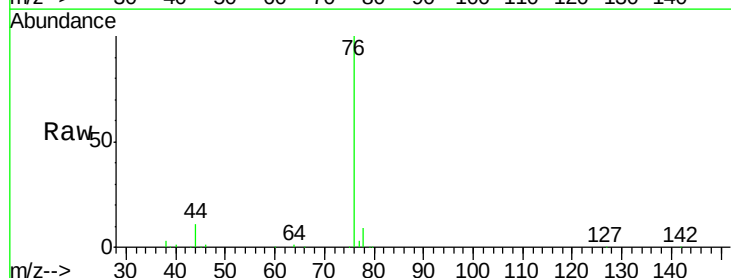
Acq: 4 Jan 2019 10:50

Tgt Ion: 76 Resp: 457822

Ion Ratio Lower Upper

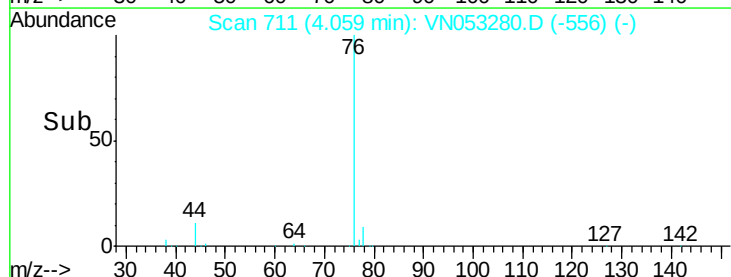
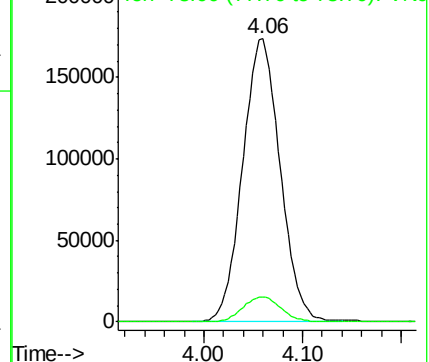
76 100

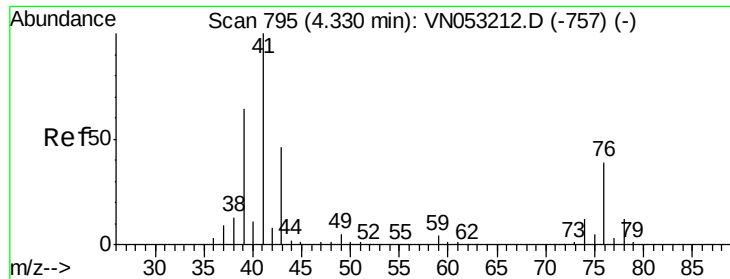
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 18.273 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

Instrument :

MSVOA\_N

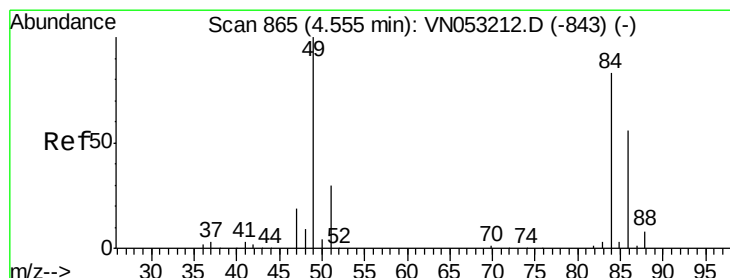
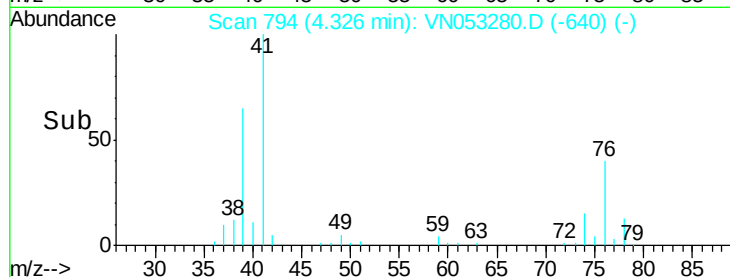
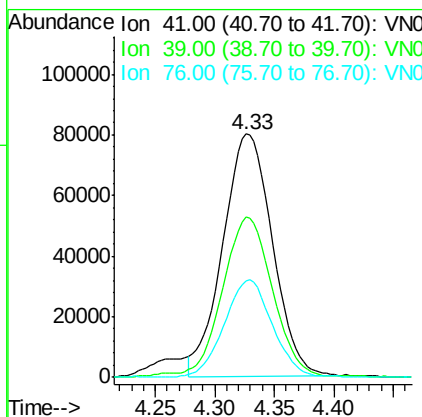
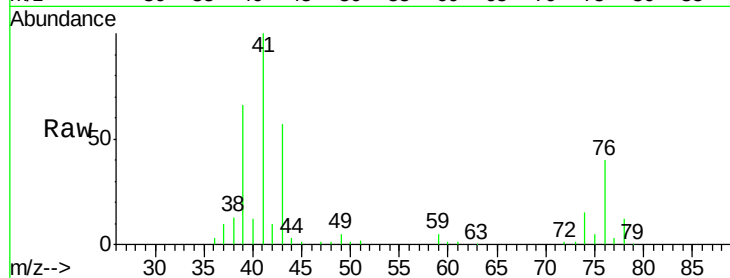
ClientSampleId :

VN0104WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 230633 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 66.1  | 32.8  | 98.3   |
| 76       | 39.4  | 18.6  | 55.8   |

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#18

Methylene Chloride

Concen: 19.404 ug/l

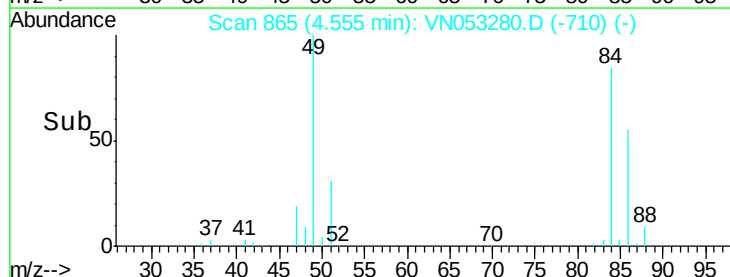
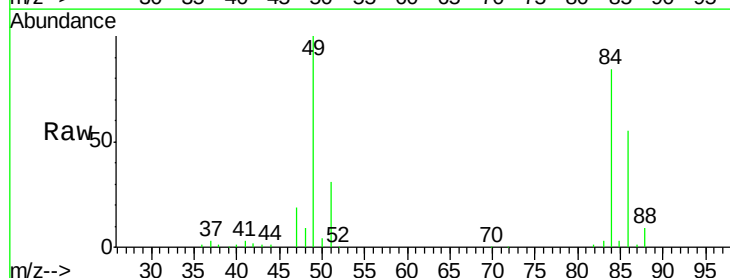
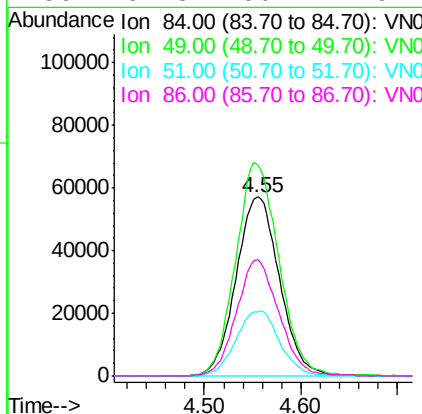
RT: 4.55 min Scan# 865

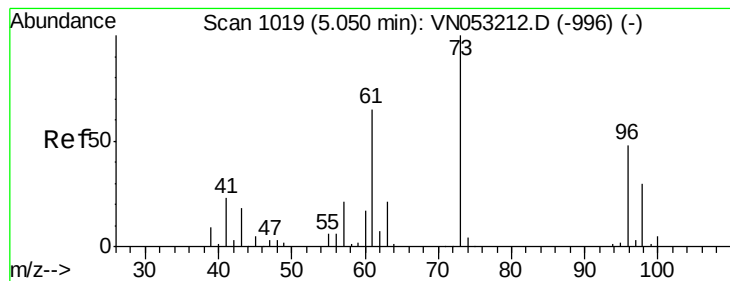
Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 178174 |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 118.4 | 101.4 | 152.0  |
| 51       | 36.1  | 31.7  | 47.5   |
| 86       | 64.8  | 50.1  | 75.1   |





#19

trans-1,2-Dichloroethene

Concen: 19.497 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0104WBSD01

Tot Ion: 96 Resp: 165314

Ion Ratio Lower Upper

96 100

61 133.6 118.2 177.4

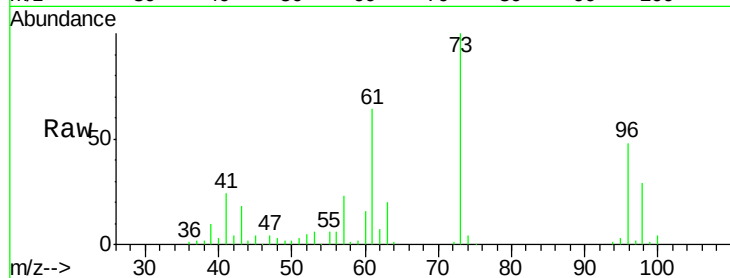
98 61.6 51.4 77.2

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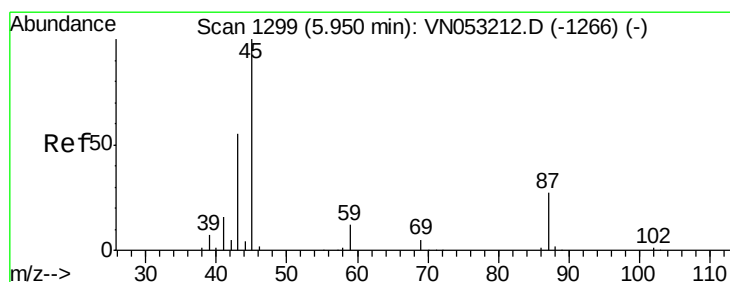
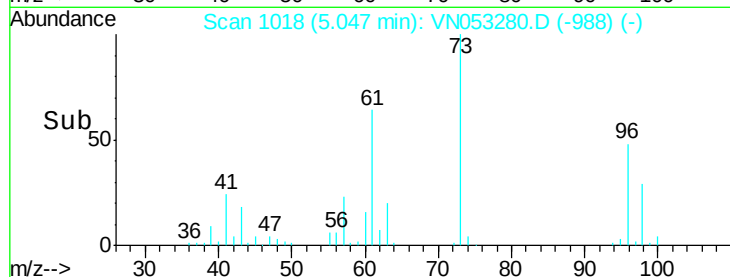
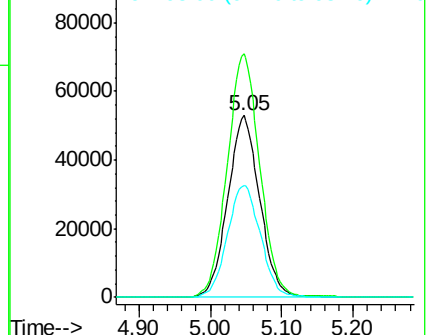
1/7/2019 11:10:01 AM



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 19.677 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

Tgt Ion: 45 Resp: 531866

Ion Ratio Lower Upper

45 100

43 58.7 47.8 71.8

87 27.6 21.3 31.9

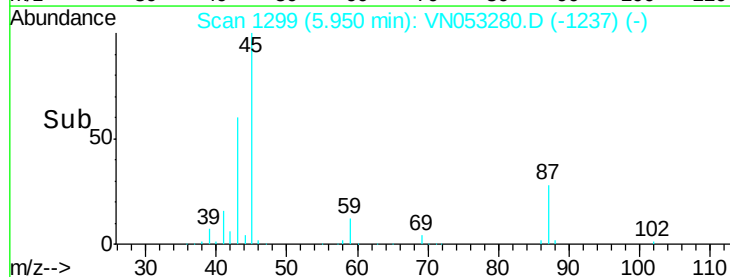
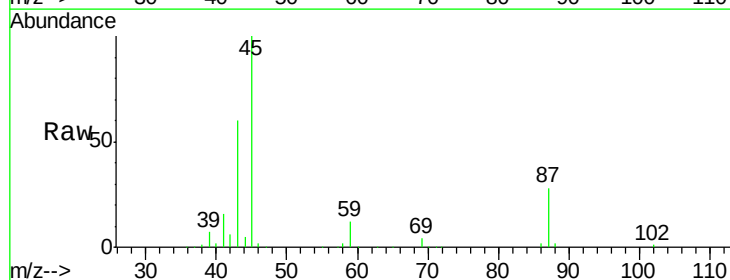
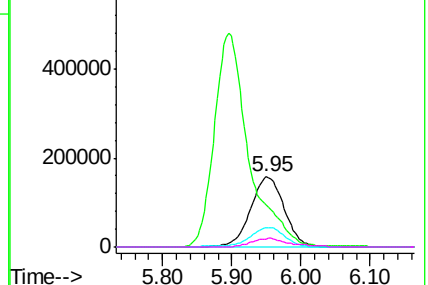
59 11.6 8.9 13.3

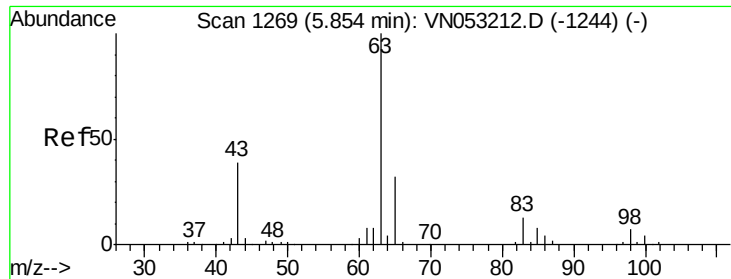
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





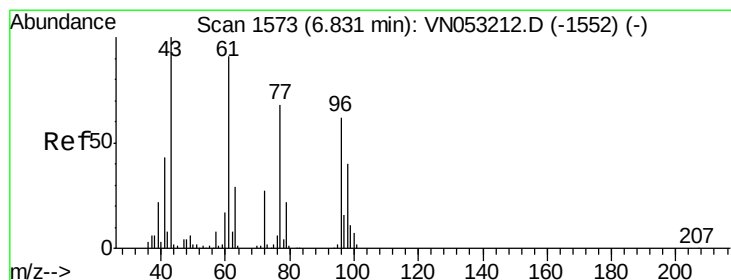
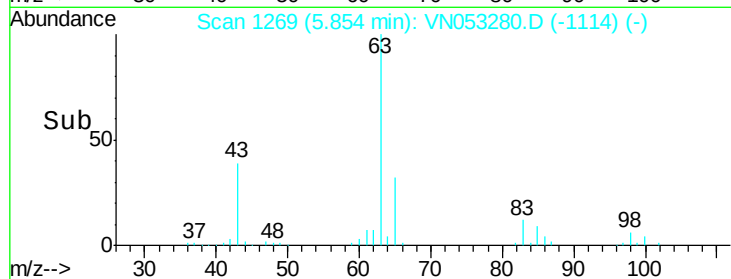
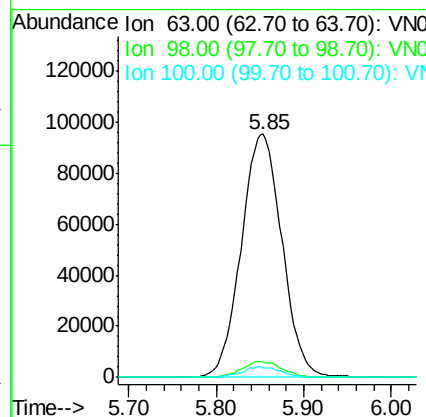
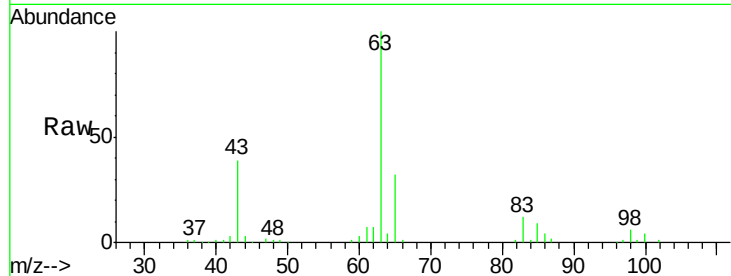
#21  
 1,1-Dichloroethane  
 Concen: 19.531 ug/l  
 RT: 5.85 min Scan# 1269  
 Delta R.T. -0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0104WBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 63      | 100   |      |       |       |
| 98      | 6.3   | 3.0  | 9.2   |       |
| 100     | 4.1   | 1.8  | 5.5   |       |

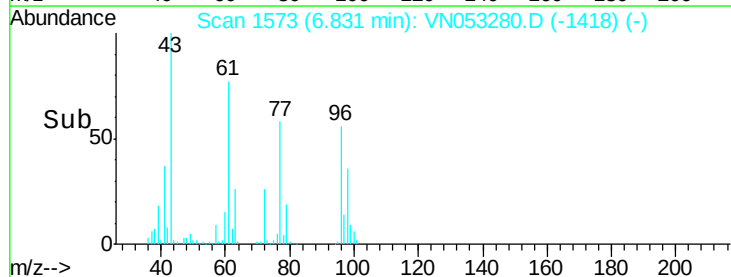
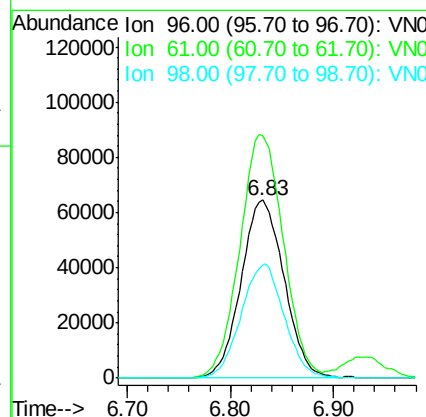
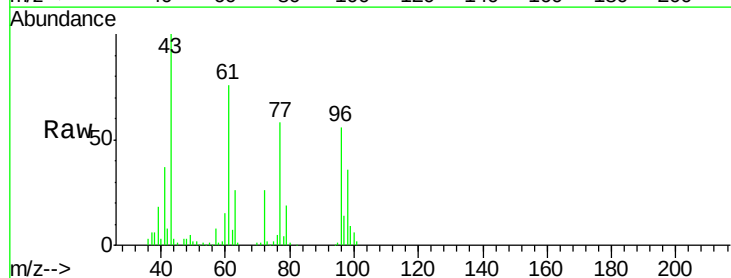
Manual Integrations  
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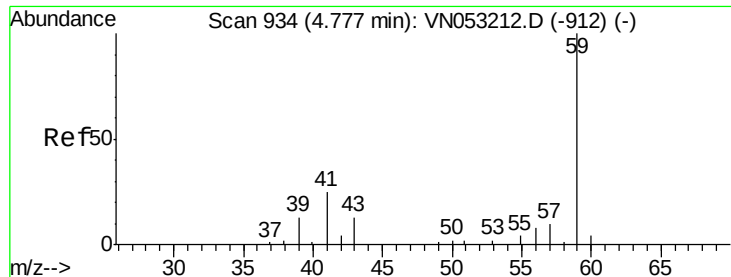
MMDadoda  
 1/7/2019 11:10:01 AM



#22  
 cis-1,2-Dichloroethene  
 Concen: 19.632 ug/l  
 RT: 6.83 min Scan# 1573  
 Delta R.T. -0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   |       |       |       |
| 61      | 138.5 | 116.7 | 175.1 |       |
| 98      | 63.9  | 50.8  | 76.2  |       |





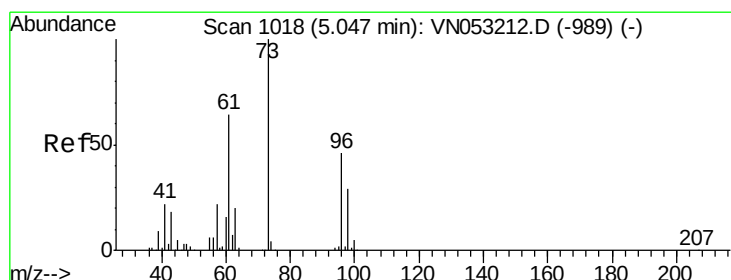
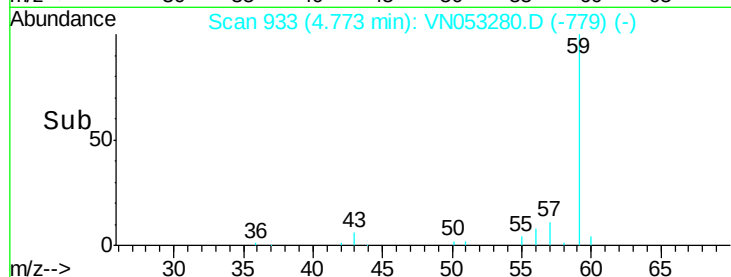
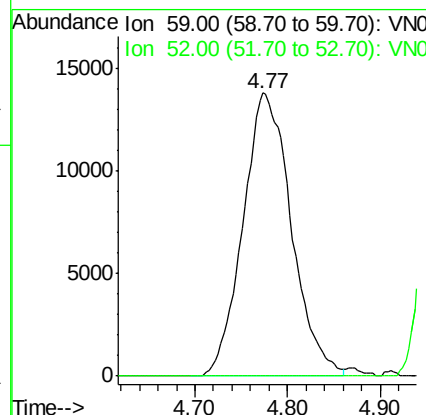
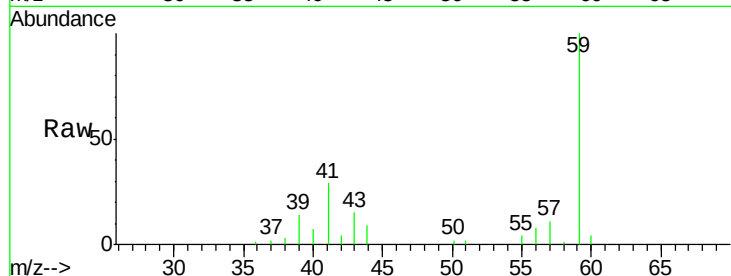
#23  
 tert-Butyl Alcohol  
 Concen: 105.852 ug/l m  
 RT: 4.77 min Scan# 933  
 Delta R.T. -0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0104WBSD01

| Tot Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 59      | 100 |       | 49920 |       |       |
| 52      | 0.0 |       | 0.0   | 0.0   | 0.0   |

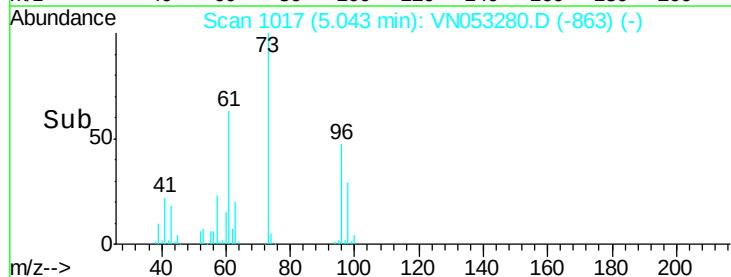
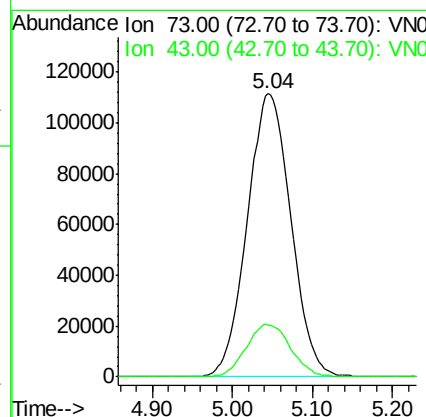
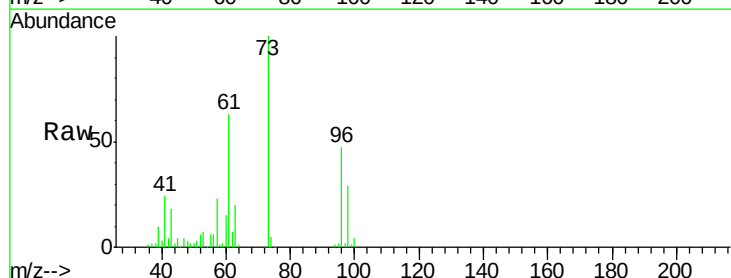
Manual Integrations  
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MMDadoda  
 1/7/2019 11:10:01 AM

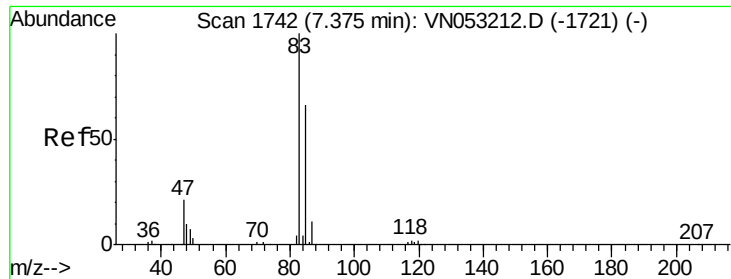


#24  
 Methyl tert-Butyl Ether  
 Concen: 19.893 ug/l  
 RT: 5.04 min Scan# 1017  
 Delta R.T. -0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 73      | 100  |       | 416188 |       |       |
| 43      | 18.9 |       | 15.8   | 23.8  |       |







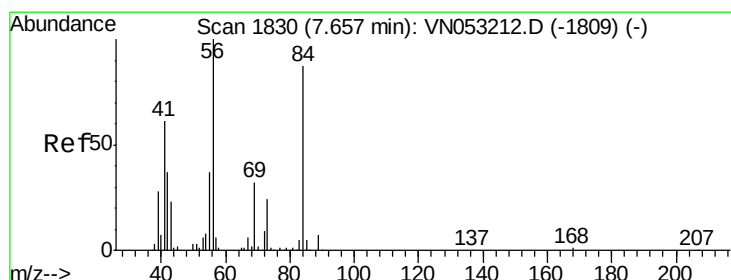
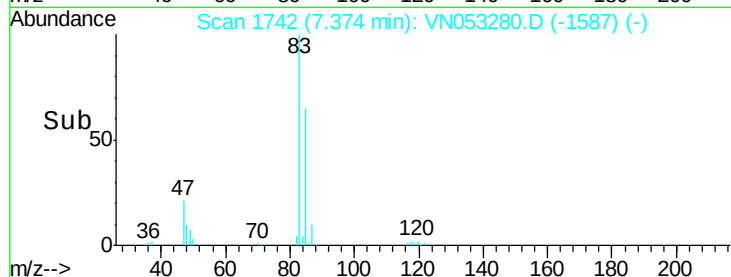
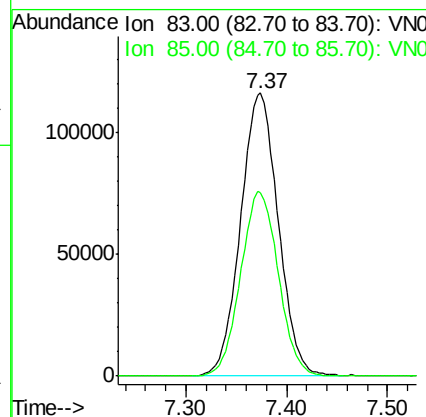
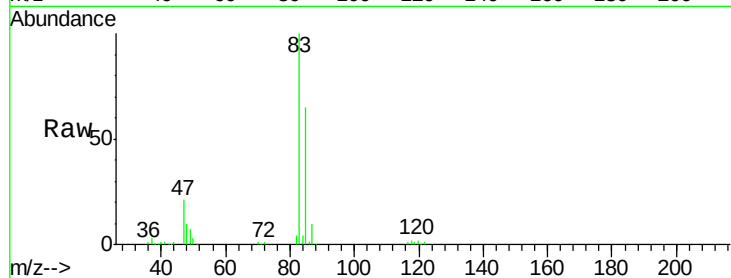
#25  
Chloroform  
Concen: 19.888 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104WBSD01

| Tot Ion   | 83   | Resp  | 300858 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 85        | 64.8 | 51.7  | 77.5   |

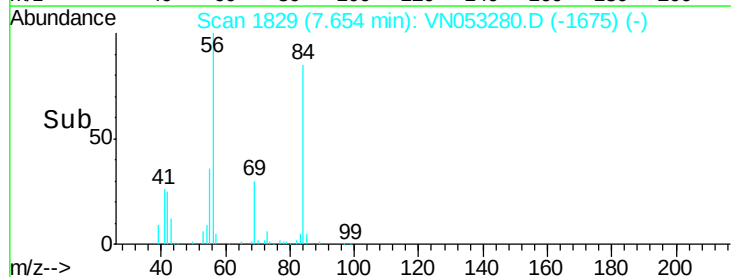
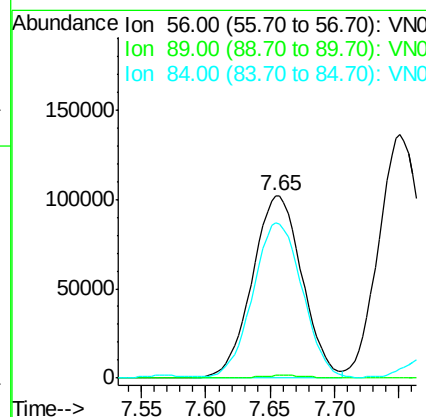
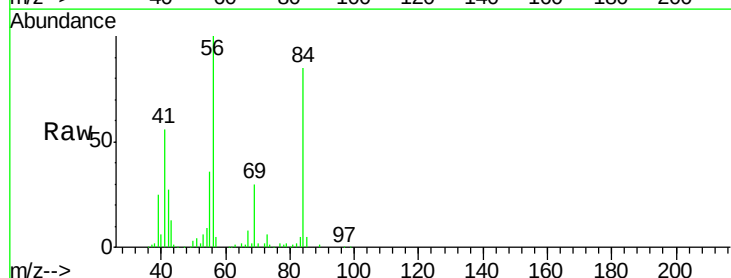
Manual Integrations  
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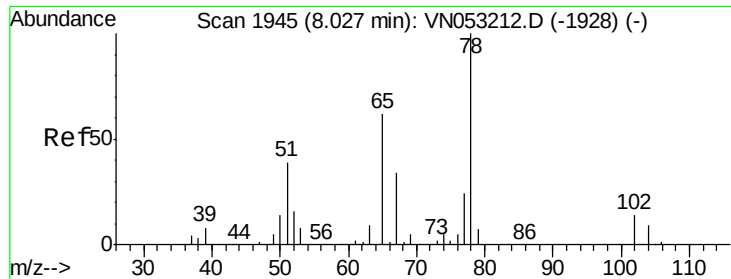
MMDadoda  
1/7/2019 11:10:01 AM



#26  
Cyclohexane  
Concen: 18.743 ug/l  
RT: 7.65 min Scan# 1829  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

| Tgt Ion   | 56   | Resp  | 275129 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 89        | 1.2  | 0.5   | 0.7#   |
| 84        | 84.5 | 66.2  | 99.2   |





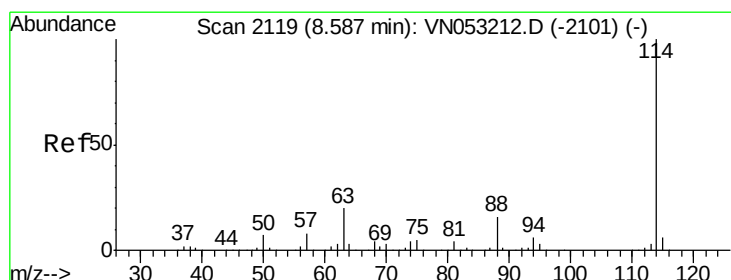
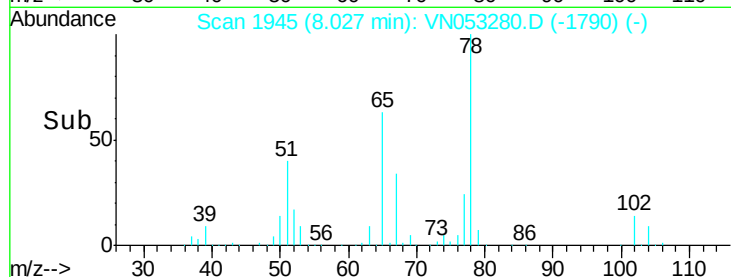
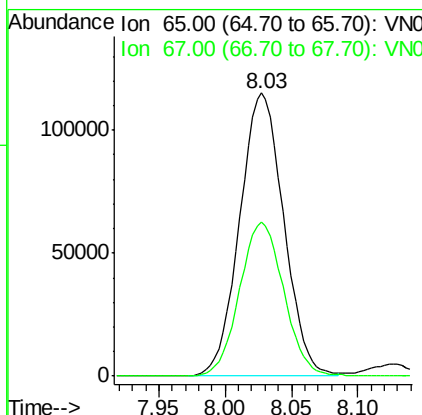
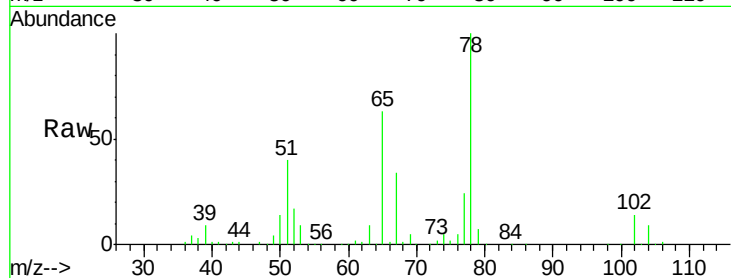
#27  
 1,2-Dichloroethane-d4  
 Concen: 18.743 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0104WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 54.5  | 44.6  | 66.8  |

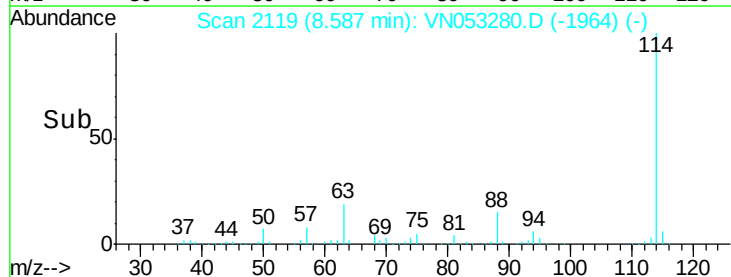
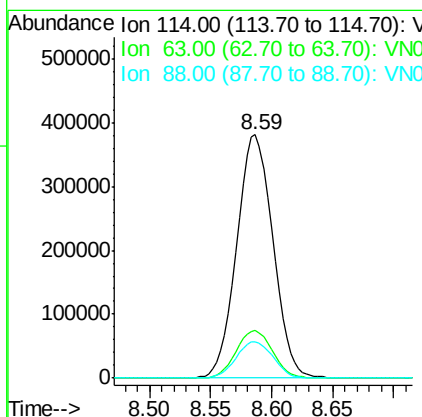
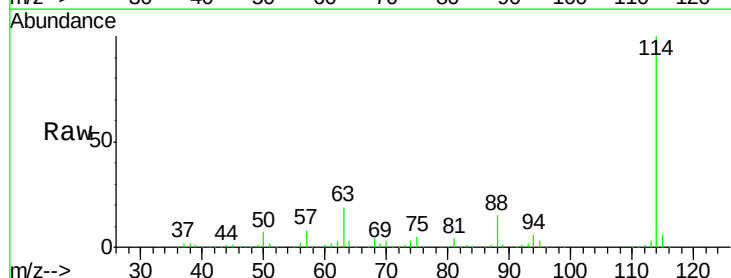
Manual Integrations  
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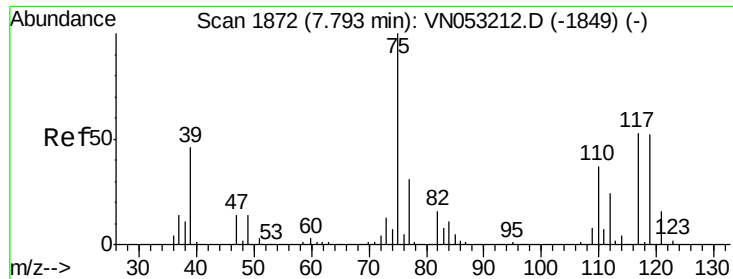
MMDadoda  
 1/7/2019 11:10:01 AM



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.8  | 16.9  | 25.3  |
| 88      | 15.3  | 12.8  | 19.2  |





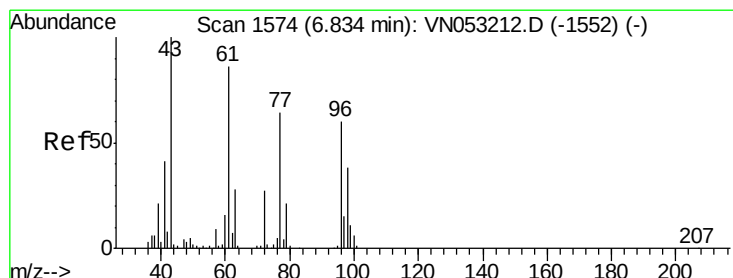
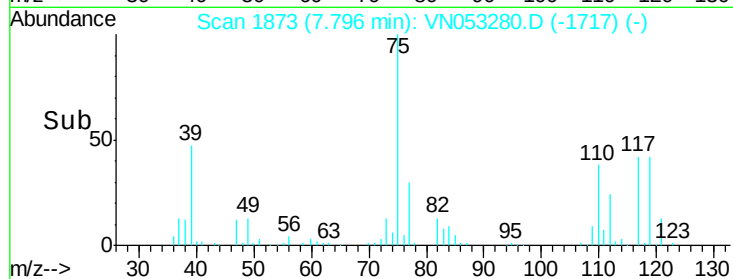
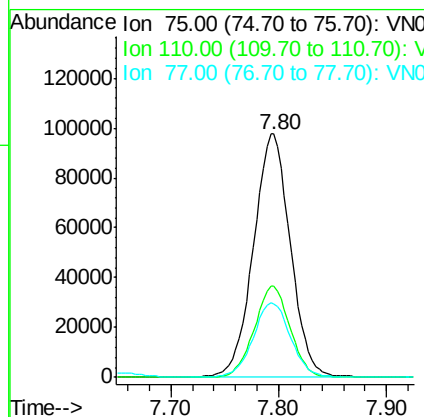
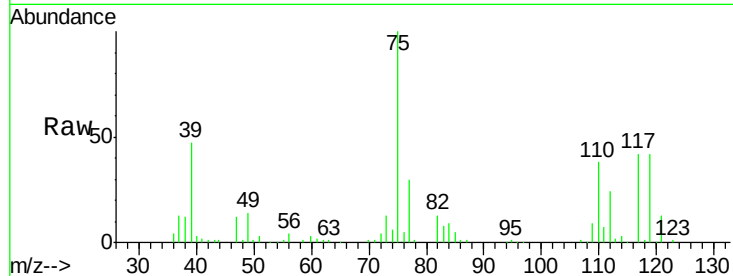
#29  
 1,1-Dichloropropene  
 Concen: 19.488 ug/l  
 RT: 7.80 min Scan# 1873  
 Delta R.T. 0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0104WBSD01

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 75      | 100   |            |       |
| 110     | 36.4  | 0.0        | 70.2  |
| 77      | 31.1  | 0.0        | 62.6  |

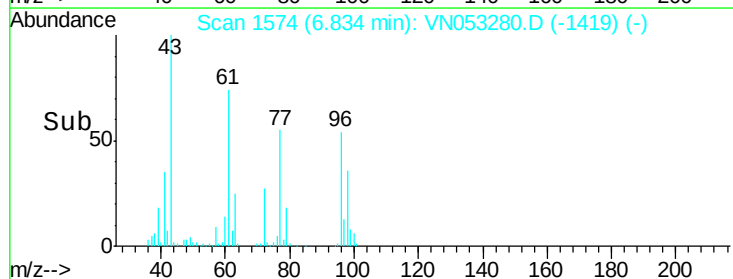
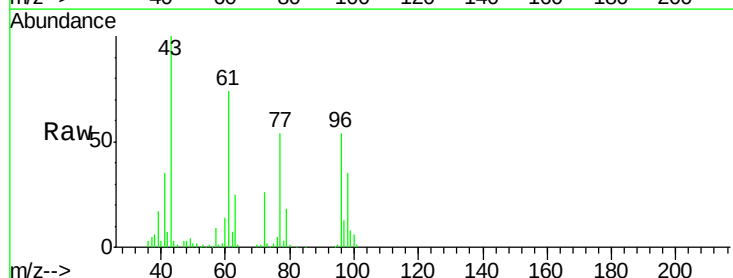
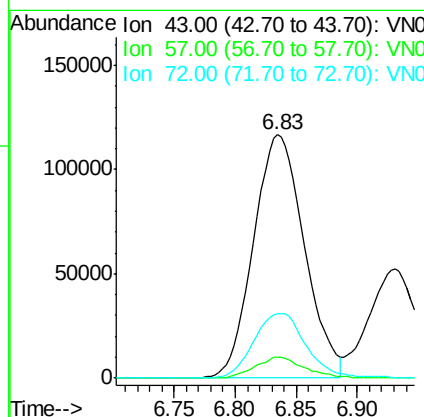
Manual Integrations  
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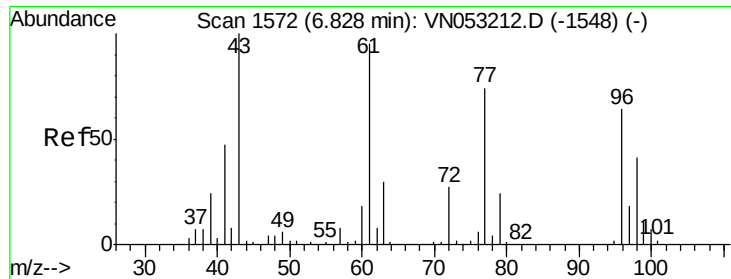
MMDadoda  
 1/7/2019 11:10:01 AM



#30  
 2-Butanone  
 Concen: 113.611 ug/l  
 RT: 6.83 min Scan# 1574  
 Delta R.T. -0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 43      | 100   |            |       |
| 57      | 8.4   | 6.2        | 9.4   |
| 72      | 27.5  | 21.0       | 31.6  |





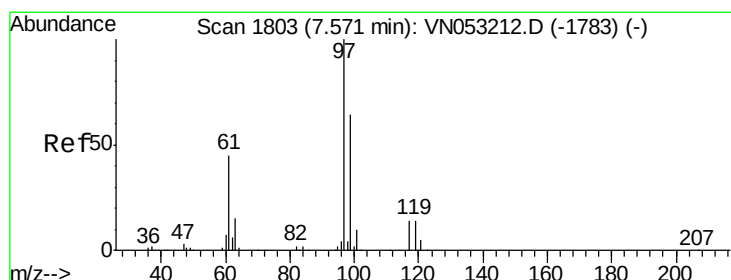
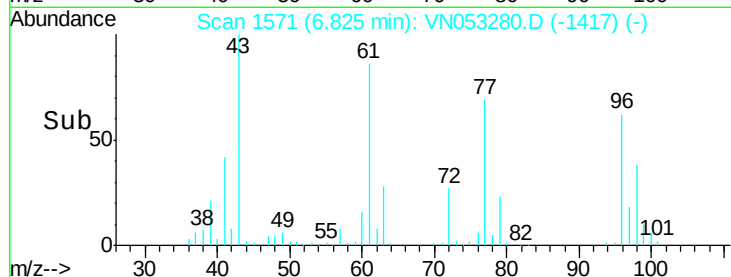
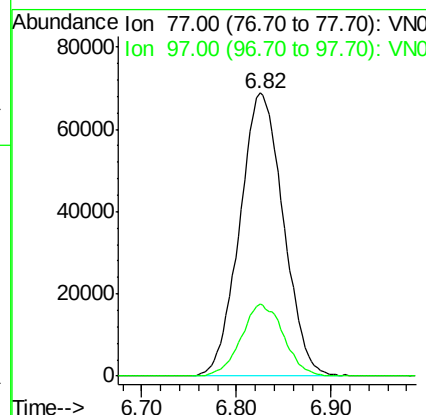
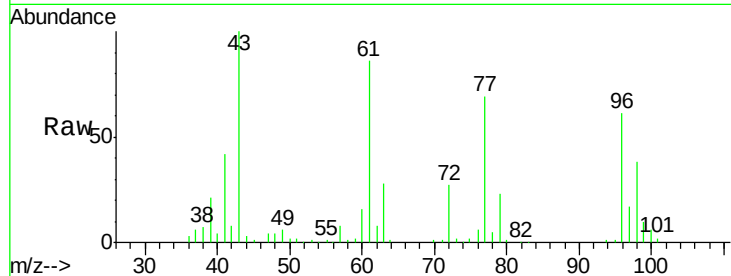
#31  
 2,2-Dichloropropane  
 Concen: 19.054 ug/l  
 RT: 6.82 min Scan# 1571  
 Delta R.T. -0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0104WBSD01

Tot Ion: 77 Resp: 218896  
 Ion Ratio Lower Upper  
 77 100  
 97 24.8 18.7 28.1

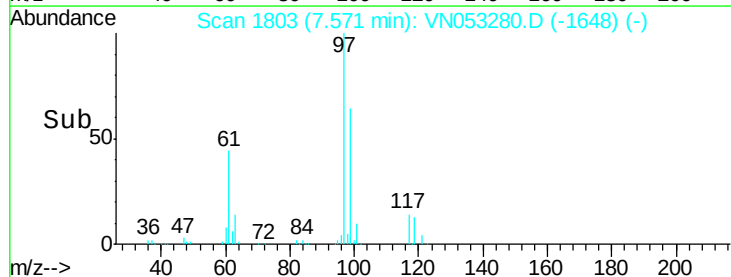
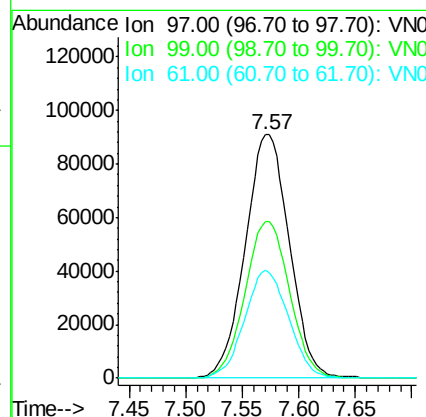
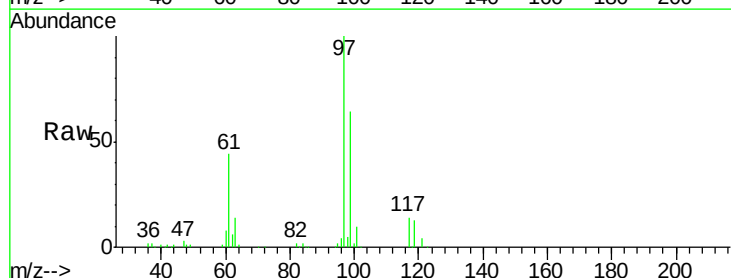
Manual Integrations  
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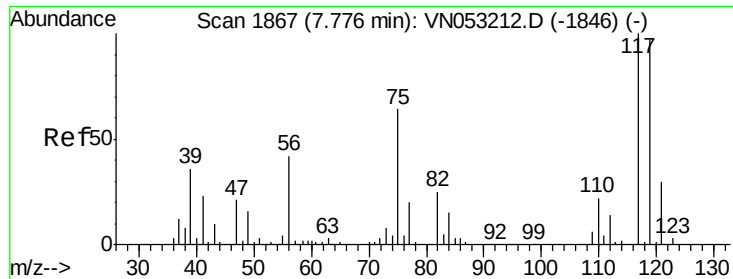
MMDadoda  
 1/7/2019 11:10:01 AM



#32  
 1,1,1-Trichloroethane  
 Concen: 19.865 ug/l  
 RT: 7.57 min Scan# 1803  
 Delta R.T. -0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

Tgt Ion: 97 Resp: 246987  
 Ion Ratio Lower Upper  
 97 100  
 99 64.9 50.9 76.3  
 61 44.0 38.1 57.1





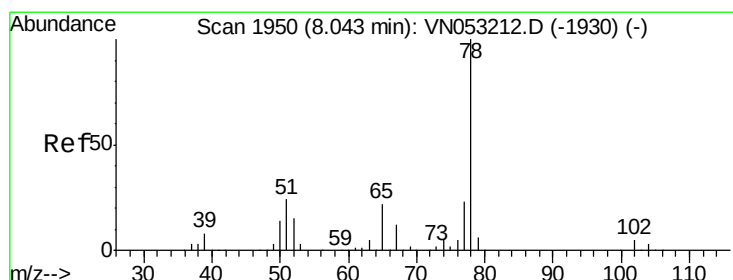
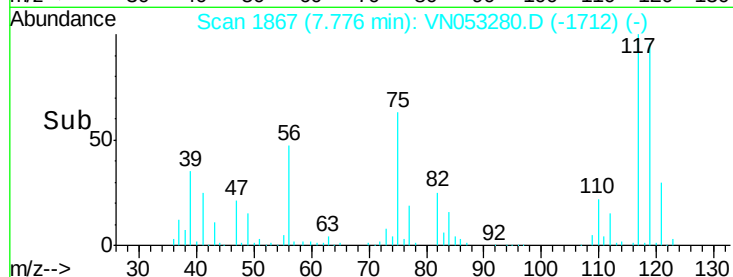
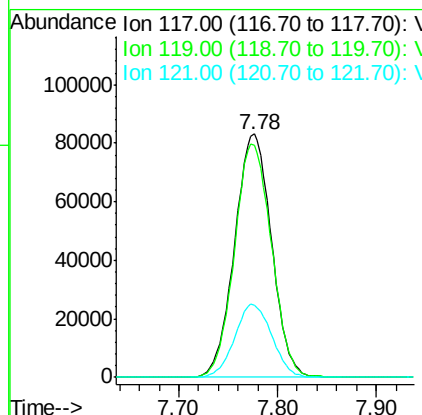
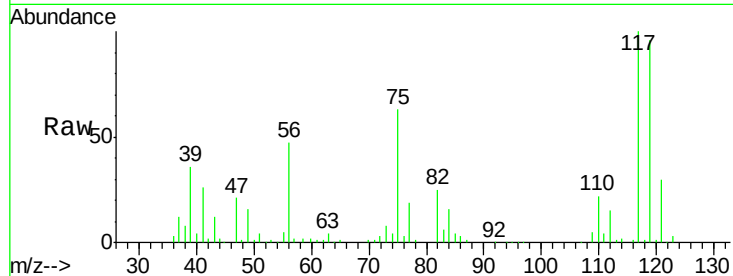
#33  
Carbon Tetrachloride  
Concen: 19.805 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.5  | 77.3  | 115.9 |
| 121     | 29.7  | 24.9  | 37.3  |

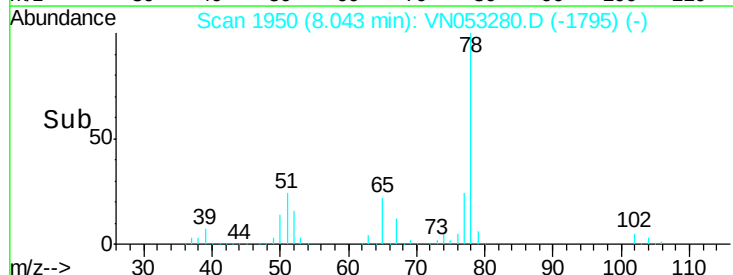
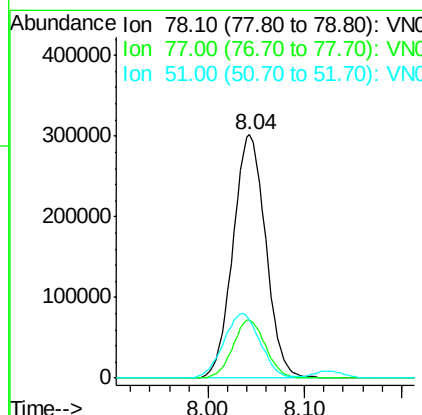
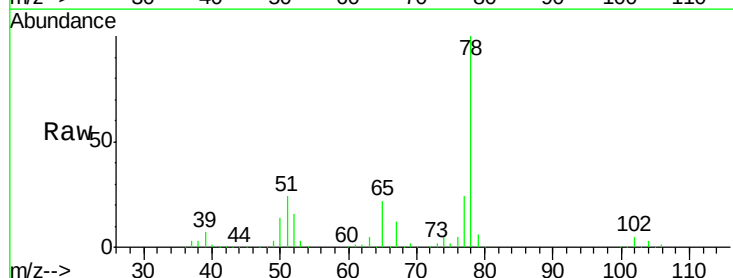
Manual Integrations  
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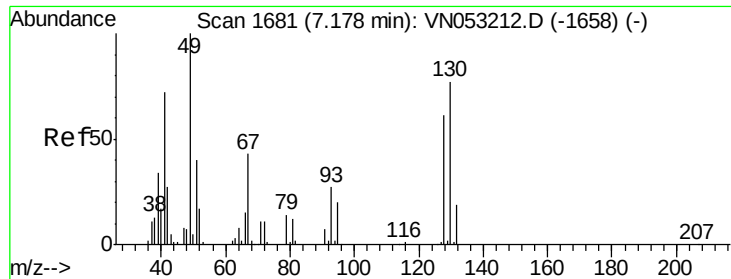
MMDadoda  
1/7/2019 11:10:01 AM



#34  
Benzene  
Concen: 19.902 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.8  | 19.0  | 28.6  |
| 51      | 23.6  | 20.5  | 30.7  |





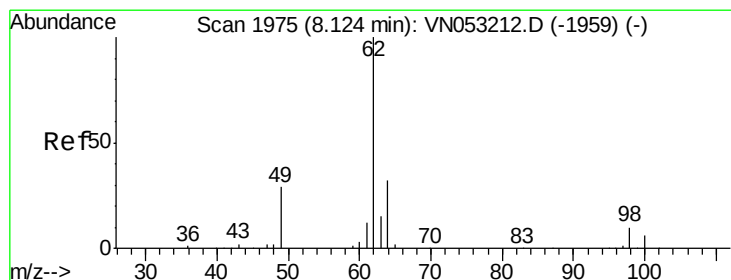
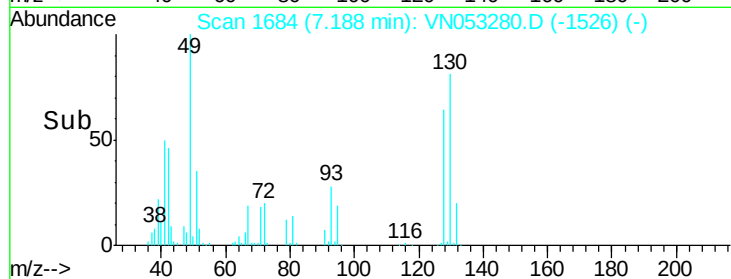
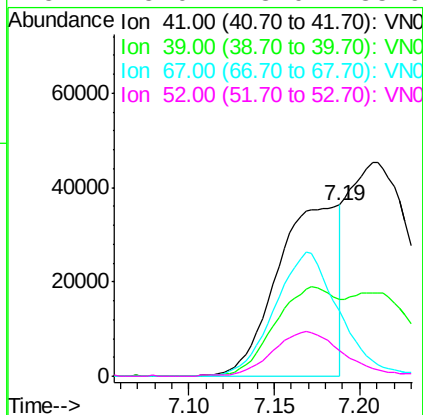
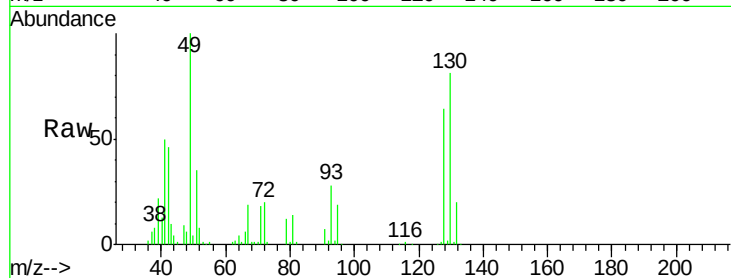
#35  
Methacrylonitrile  
Concen: 23.868 ug/l m  
RT: 7.19 min Scan# 1684  
Delta R.T. 0.01 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0104WBSD01

| Tot Ion | 41    | Resp  | 91184 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 44.5  | 26.6  | 79.7  |
| 67      | 38.2  | 32.3  | 96.9  |
| 52      | 15.0  | 13.0  | 38.9  |

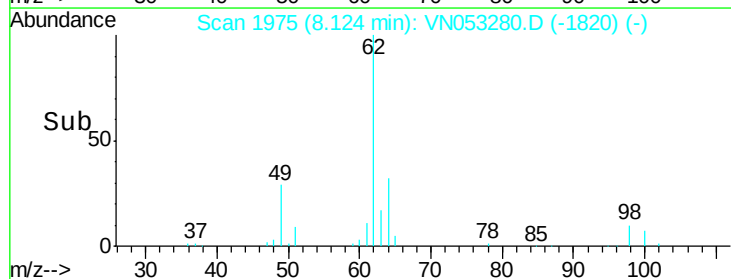
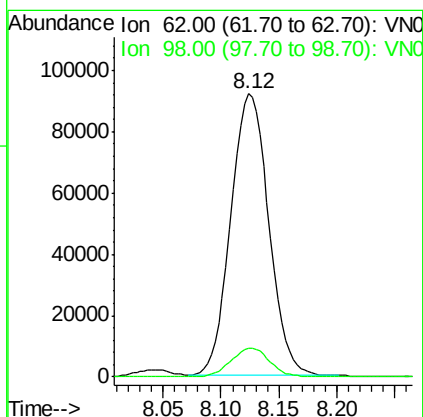
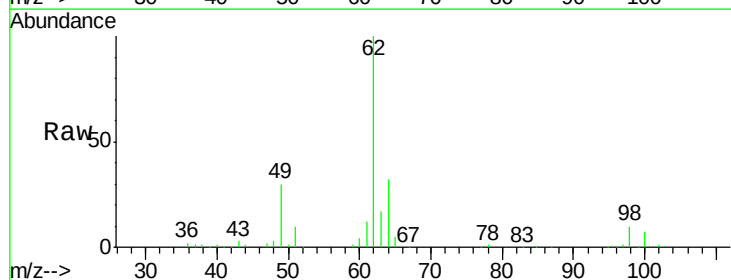
Manual Integrations  
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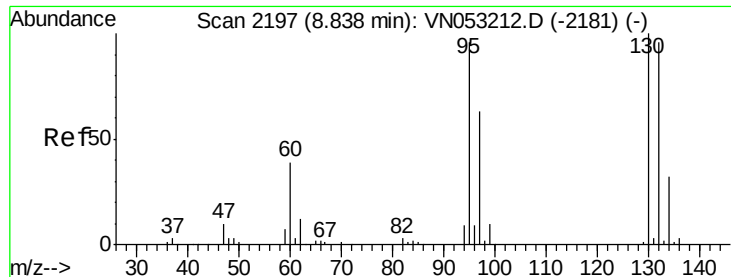
MMDadoda  
1/7/2019 11:10:01 AM



#36  
1,2-Dichloroethane  
Concen: 20.218 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

| Tgt Ion | 62    | Resp  | 209320 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 62      | 100   |       |        |
| 98      | 10.4  | 7.4   | 11.2   |





#37

Trichloroethene

Concen: 20.016 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

Instrument :

MSVOA\_N

ClientSampled :

VN0104WBSD01

Tot Ion:130 Resp: 193376

Ion Ratio Lower Upper

130 100

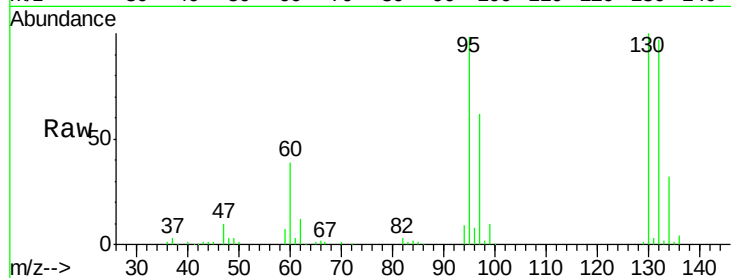
95 98.2 81.0 121.4

Manual Integrations

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MMDadoda

1/7/2019 11:10:01 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

100000

80000

60000

40000

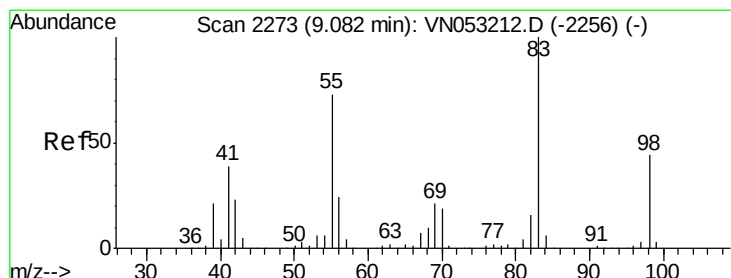
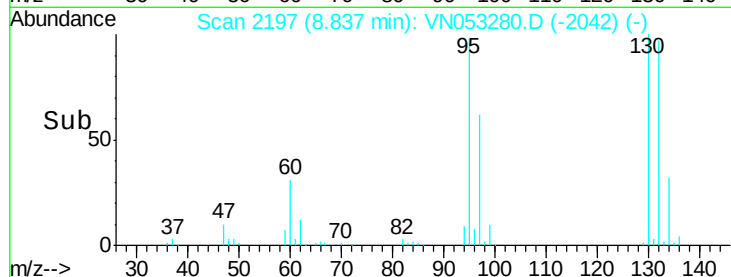
20000

0

8.80

8.90

Time-->



#38

Methylcyclohexane

Concen: 19.137 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

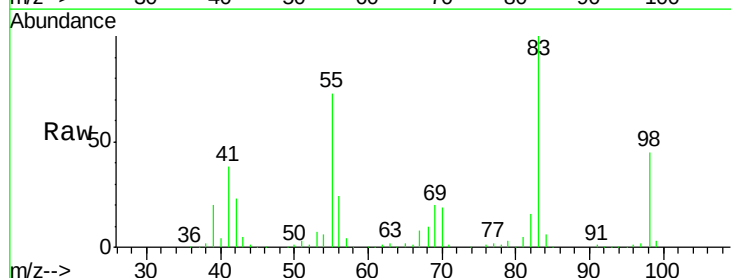
Tgt Ion: 83 Resp: 265624

Ion Ratio Lower Upper

83 100

55 74.7 39.8 119.4

98 45.4 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

150000

100000

50000

0

9.00

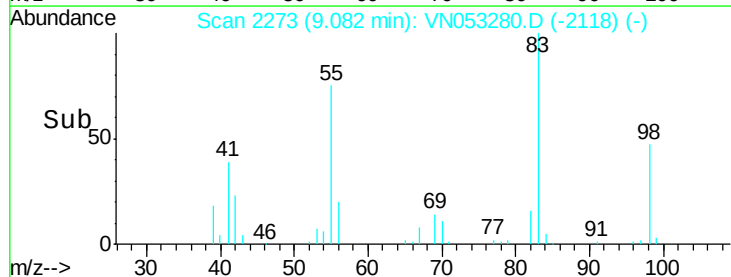
9.05

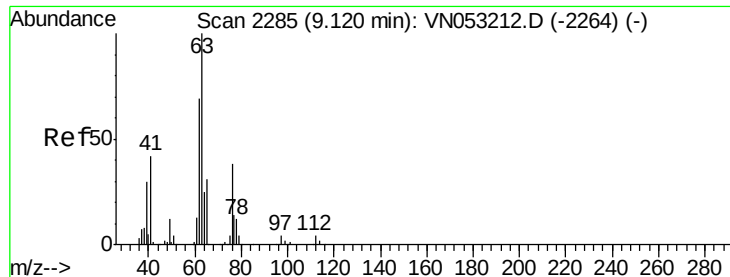
9.10

9.15

9.20

Time-->





#39

1,2-Dichloropropane

Concen: 20.188 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0104WBSD01

Tot Ion: 63 Resp: 188001

Ion Ratio Lower Upper

63 100

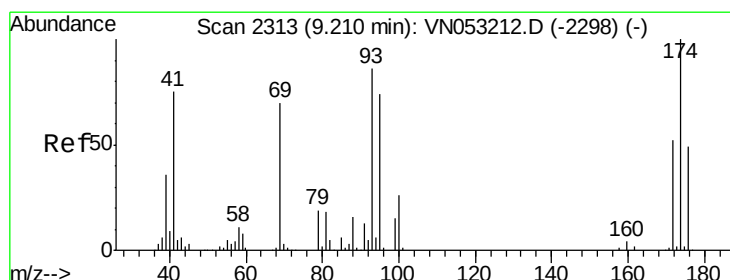
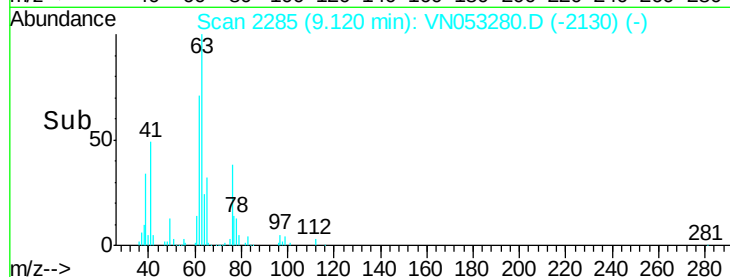
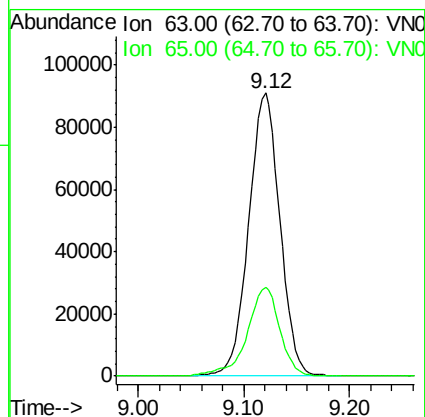
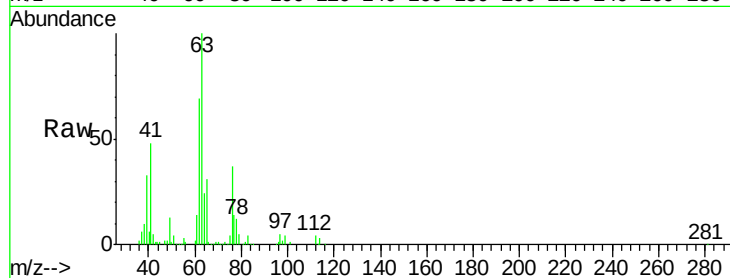
65 31.2 23.6 35.4

Manual Integrations

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MMDadoda

1/7/2019 11:10:01 AM



#40

Dibromomethane

Concen: 20.582 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

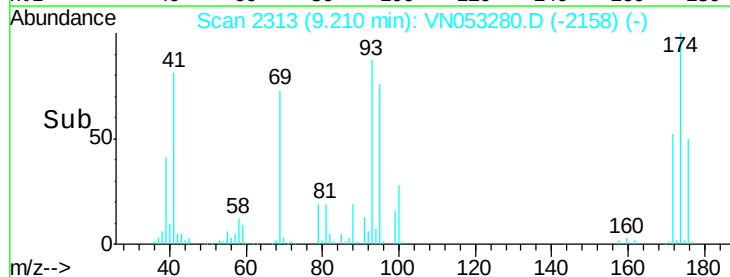
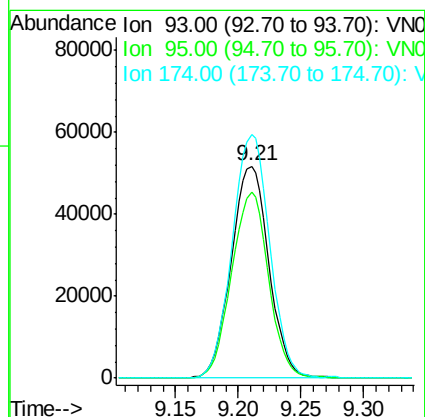
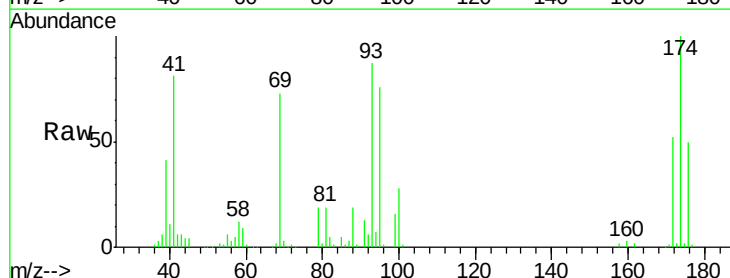
Tgt Ion: 93 Resp: 108400

Ion Ratio Lower Upper

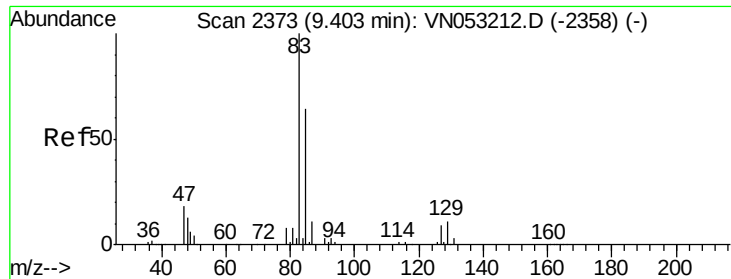
93 100

95 86.0 0.0 168.4

174 114.4 0.0 210.0







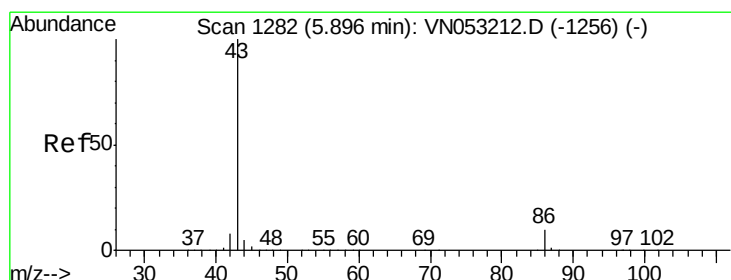
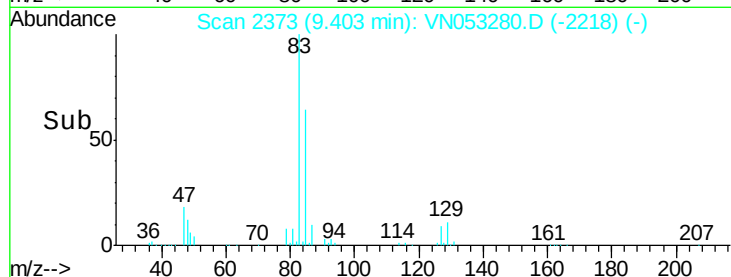
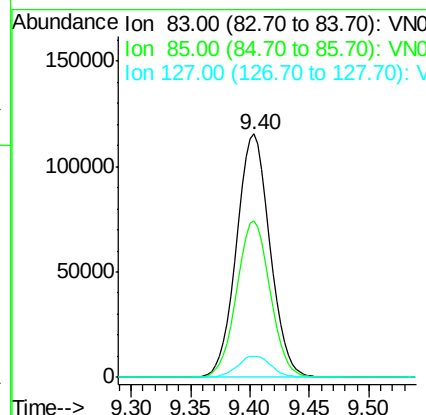
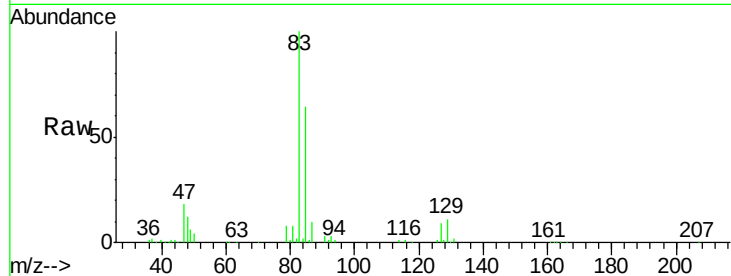
#41  
 Bromodichloromethane  
 Concen: 19.931 ug/l  
 RT: 9.40 min Scan# 2373  
 Delta R.T. -0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0104WBSD01

| Tot Ion   | 83   | Resp | 225429 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| 85        | 64.5 | 52.4 | 78.6   |
| 127       | 8.8  | 6.6  | 9.8    |

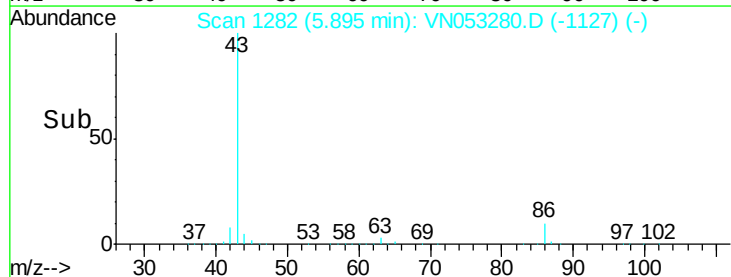
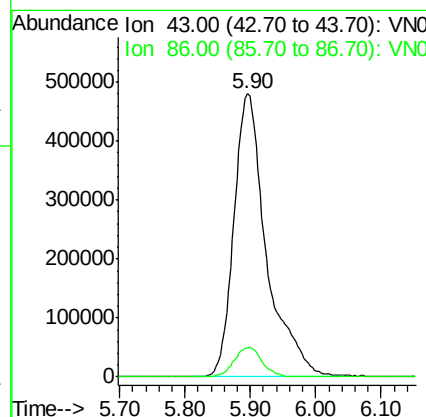
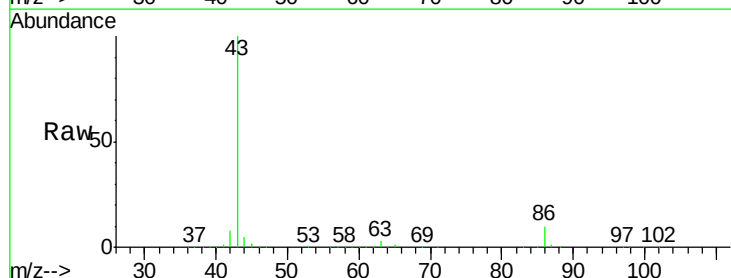
Manual Integrations  
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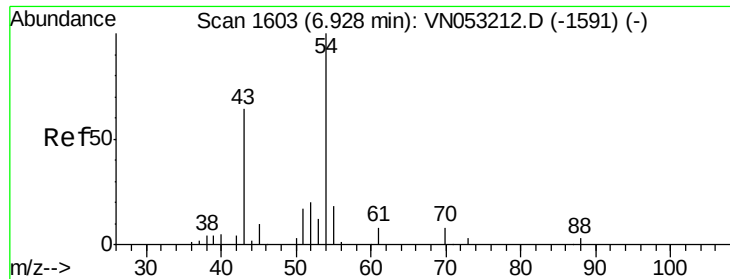
MMDadoda  
 1/7/2019 11:10:01 AM



#42  
 Vinyl Acetate  
 Concen: 103.048 ug/l  
 RT: 5.90 min Scan# 1282  
 Delta R.T. -0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

| Tgt Ion   | 43  | Resp | 1664430 |
|-----------|-----|------|---------|
| Ion Ratio | 100 |      |         |
| 86        | 9.0 | 6.5  | 9.7     |





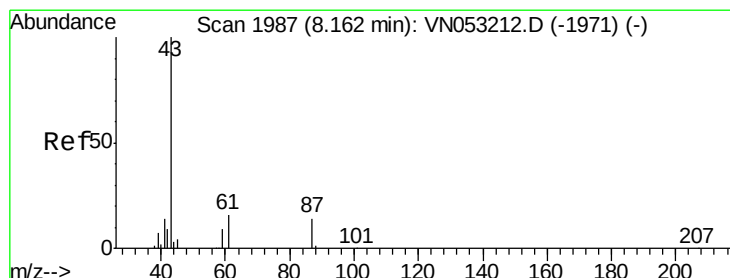
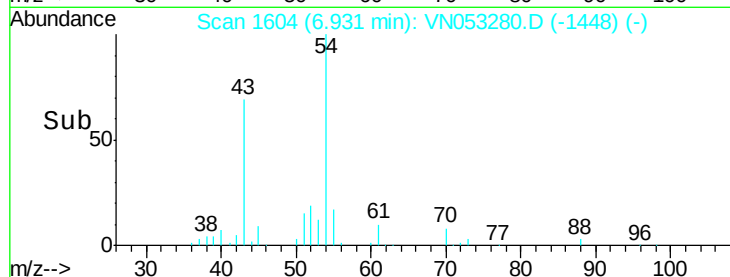
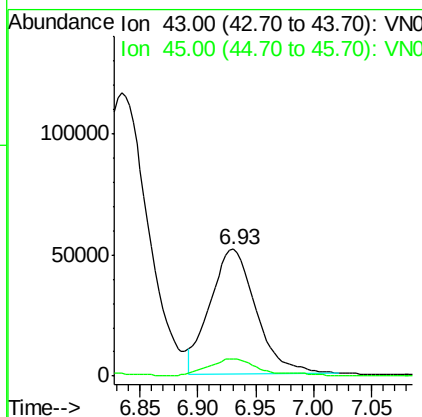
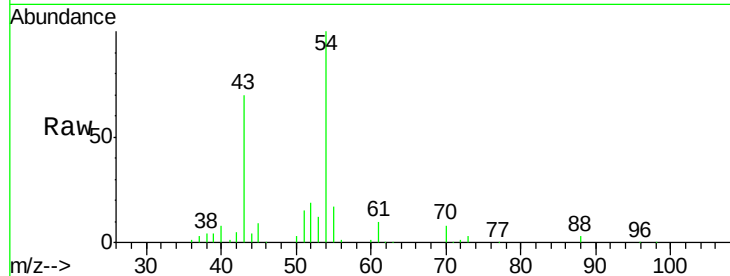
#43  
Ethyl Acetate  
Concen: 21.482 ug/l  
RT: 6.93 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104WBSD01

Tot Ion: 43 Resp: 142030  
Ion Ratio Lower Upper  
43 100  
45 13.8 1.0 1.6#

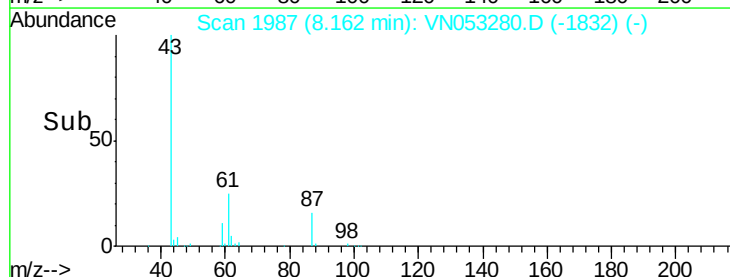
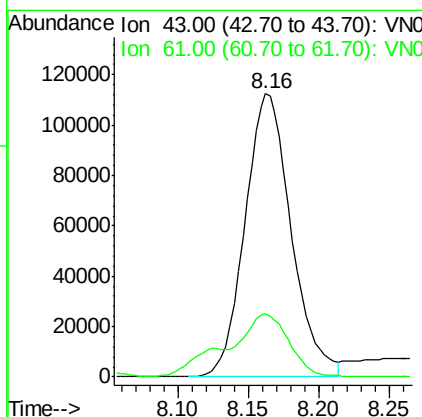
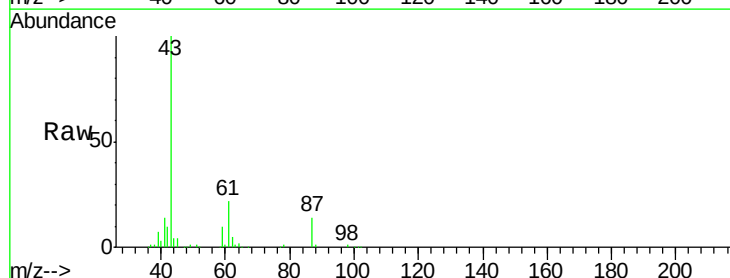
Manual Integrations  
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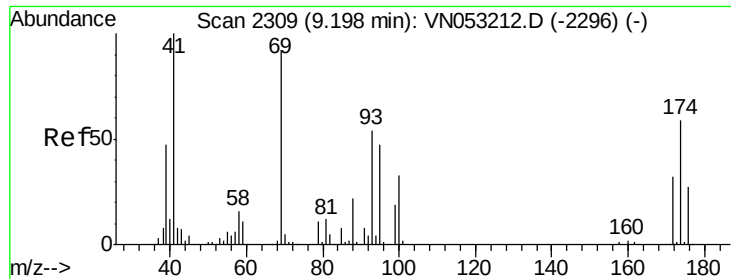
MMDadoda  
1/7/2019 11:10:01 AM



#44  
Isopropyl Acetate  
Concen: 20.773 ug/l  
RT: 8.16 min Scan# 1987  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

Tgt Ion: 43 Resp: 255840  
Ion Ratio Lower Upper  
43 100  
61 22.2 16.0 24.0





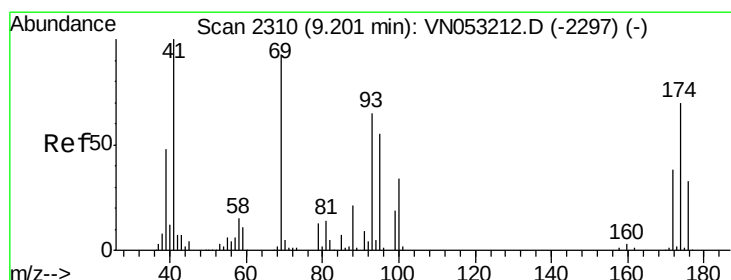
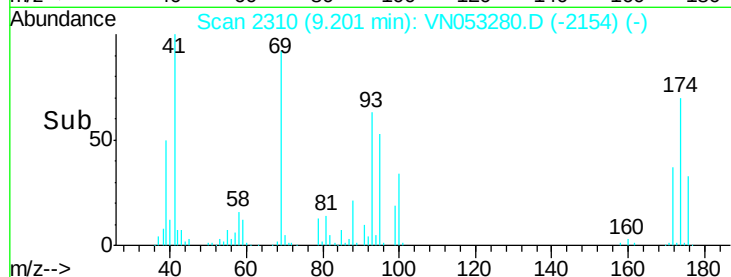
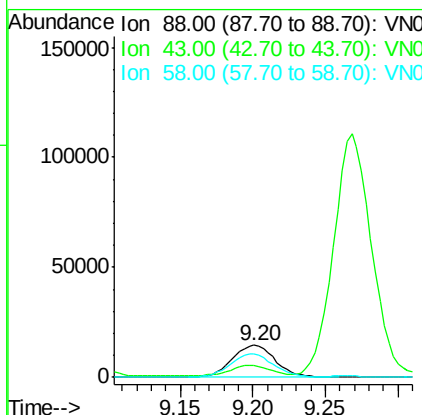
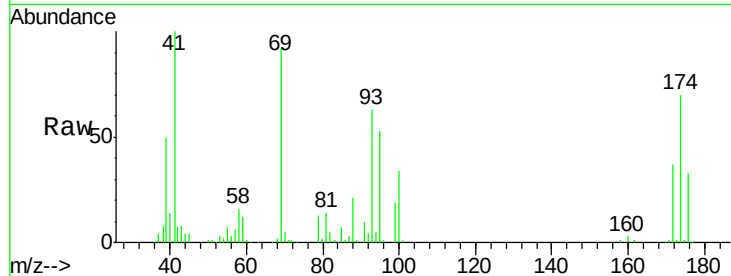
#45  
1,4-Dioxane  
Concen: 406.128 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.3  | 29.5  | 44.3  |
| 58      | 73.4  | 61.5  | 92.3  |

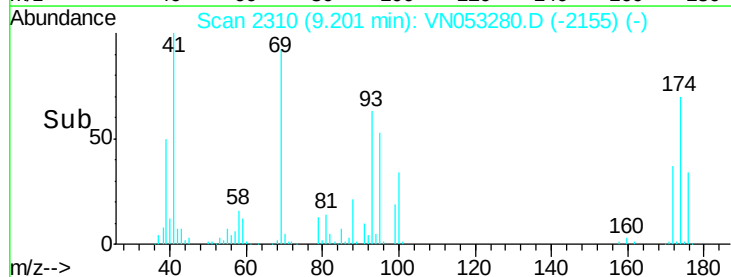
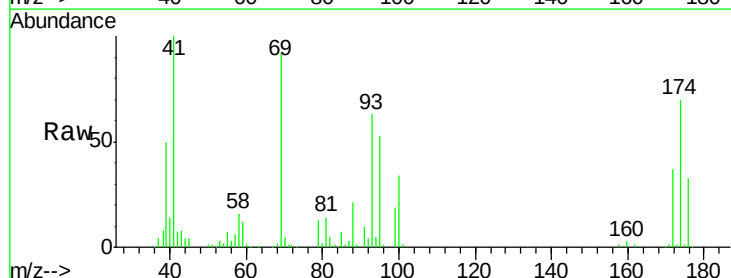
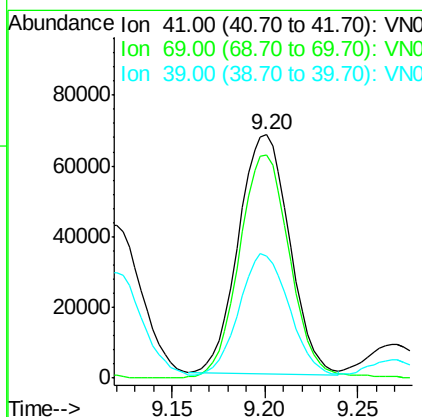
Manual Integrations  
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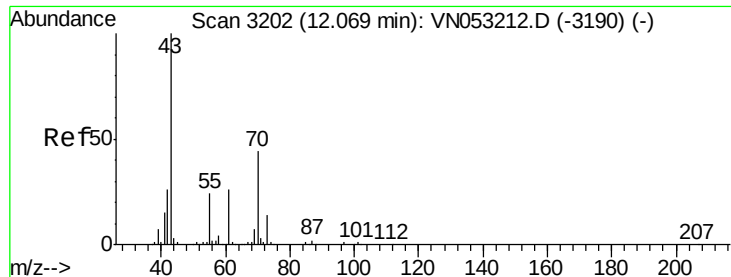
MMDadoda  
1/7/2019 11:10:01 AM



#46  
Methyl methacrylate  
Concen: 20.679 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 93.8  | 42.5  | 127.6 |
| 39      | 50.1  | 26.3  | 78.9  |





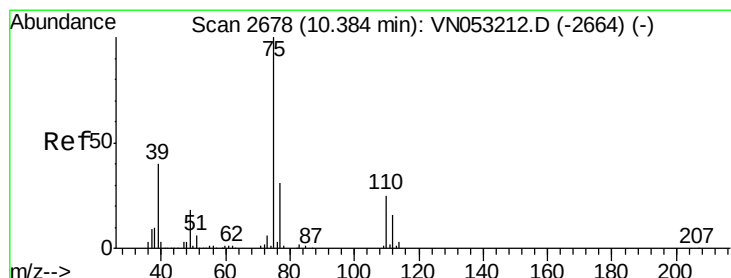
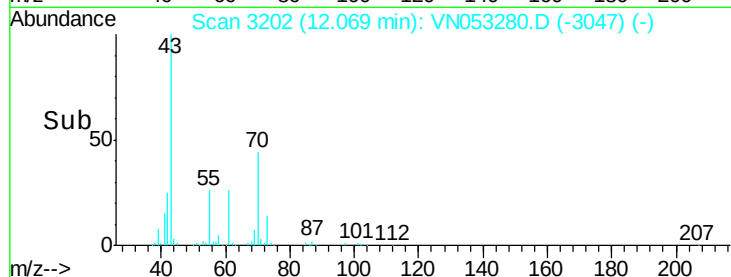
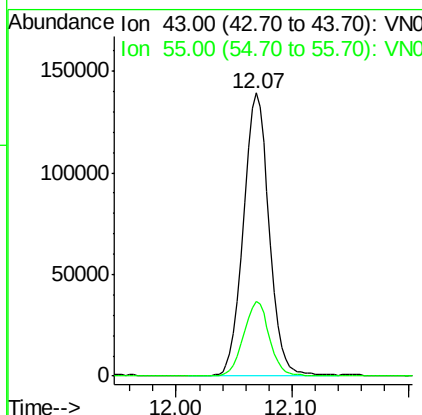
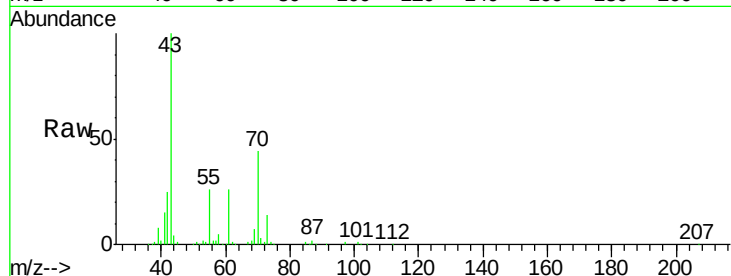
#47  
n-amyl Acetate  
Concen: 19.822 ug/l  
RT: 12.07 min Scan# 3202  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104WBSD01

Tot Ion: 43 Resp: 214399  
Ion Ratio Lower Upper  
43 100  
55 26.6 21.1 31.7

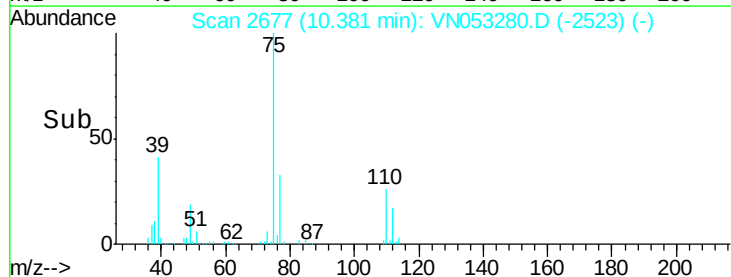
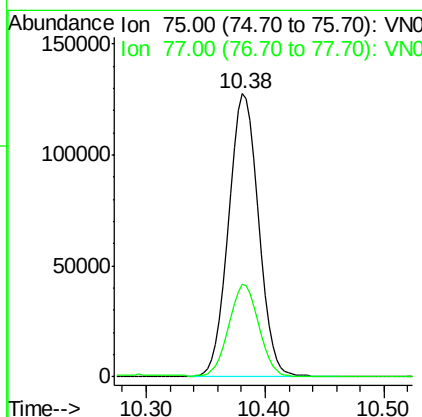
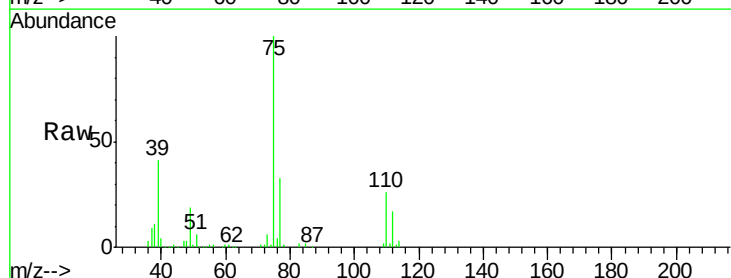
Manual Integrations  
APPROVED

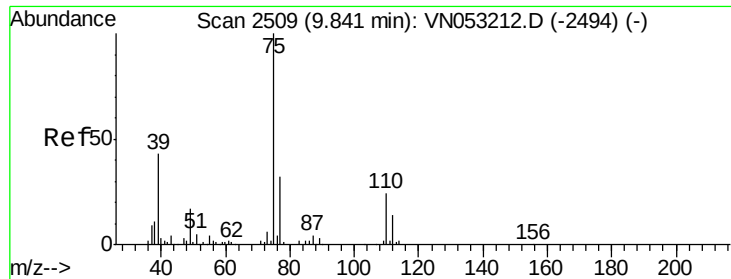
MMDadoda  
1/7/2019 11:10:01 AM



#48  
t-1,3-Dichloropropene  
Concen: 19.384 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

Tgt Ion: 75 Resp: 223769  
Ion Ratio Lower Upper  
75 100  
77 32.4 25.6 38.4





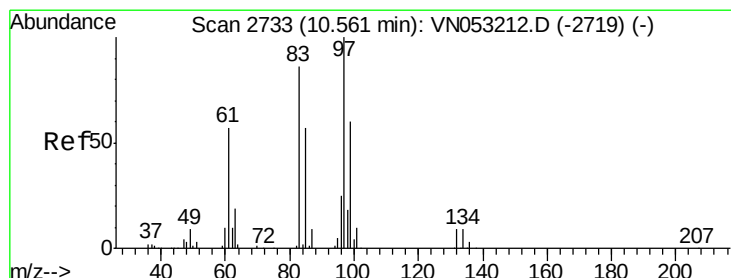
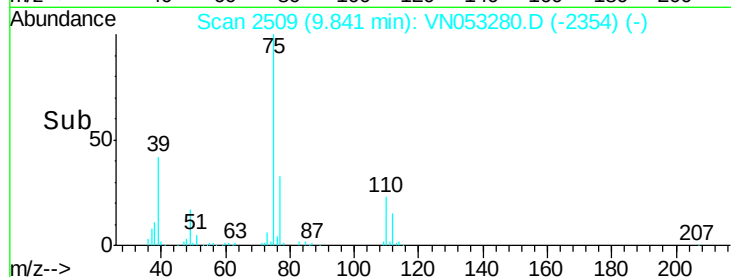
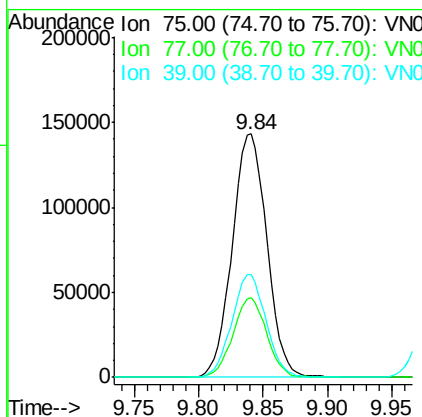
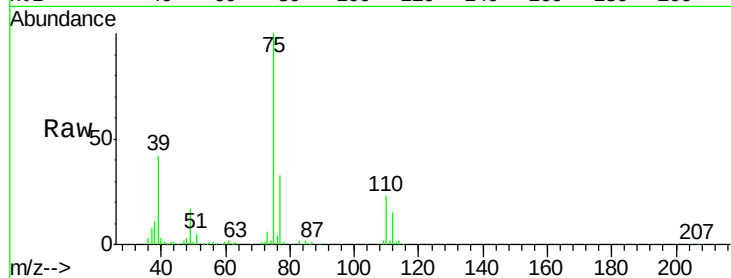
#49  
 cis-1,3-Dichloropropene  
 Concen: 19.702 ug/l  
 RT: 9.84 min Scan# 2509  
 Delta R.T. -0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0104WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.6  | 25.4  | 38.0  |
| 39      | 42.2  | 37.3  | 55.9  |

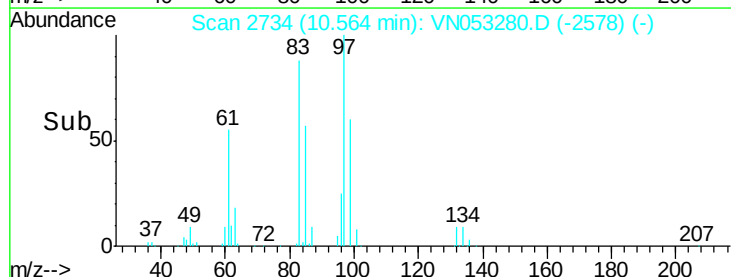
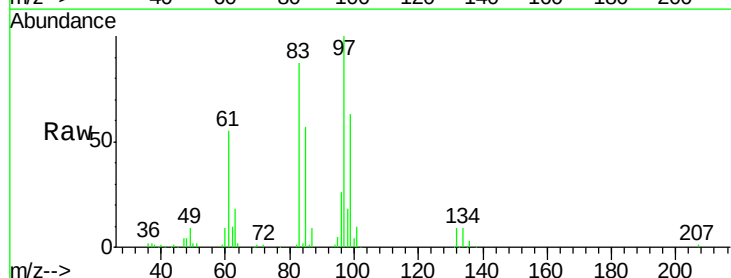
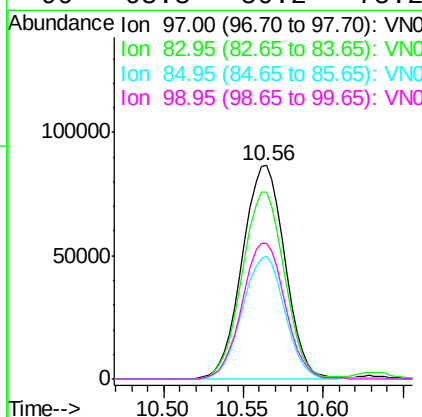
Manual Integrations  
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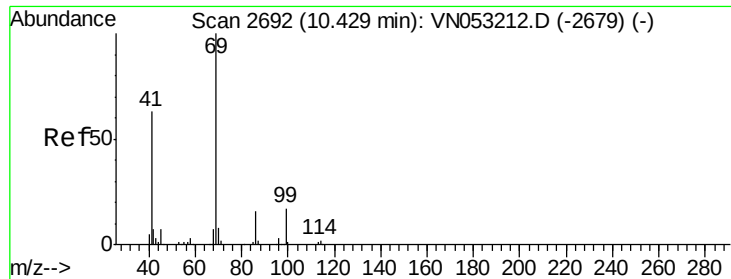
MMDadoda  
 1/7/2019 11:10:01 AM



#50  
 1,1,2-Trichloroethane  
 Concen: 20.895 ug/l  
 RT: 10.56 min Scan# 2734  
 Delta R.T. 0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 87.4  | 70.4  | 105.6 |
| 85      | 57.4  | 45.0  | 67.6  |
| 99      | 63.3  | 50.2  | 75.2  |





#51

Ethyl methacrylate

Concen: 20.438 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

Instrument :

MSVOA\_N

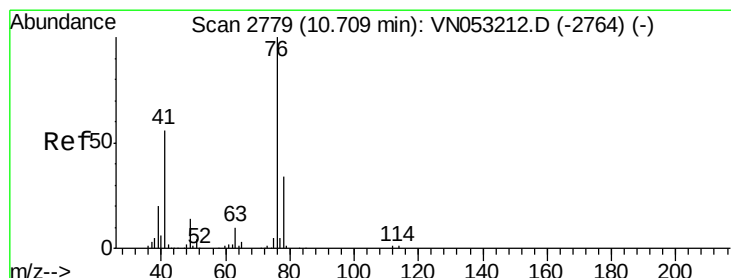
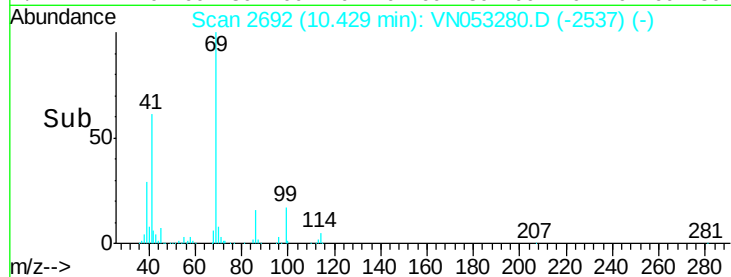
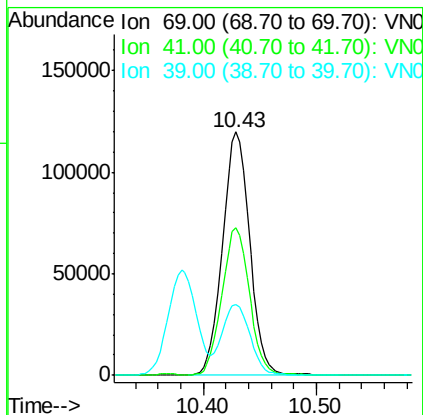
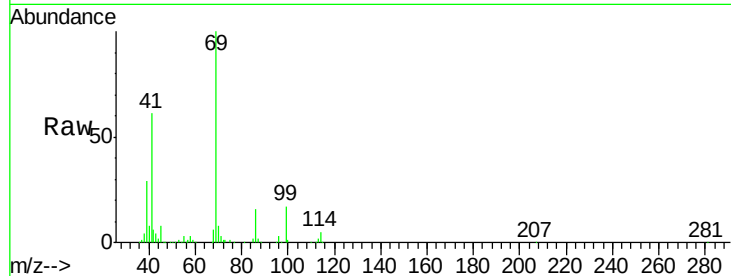
ClientSampleId :

VN0104WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 69    | Resp: | 201141 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 60.6  | 34.4  | 103.3  |
| 39       | 29.0  | 16.4  | 49.2   |

Manual Integrations  
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MMDadoda  
1/7/2019 11:10:01 AM



#52

1,3-Dichloropropane

Concen: 20.484 ug/l

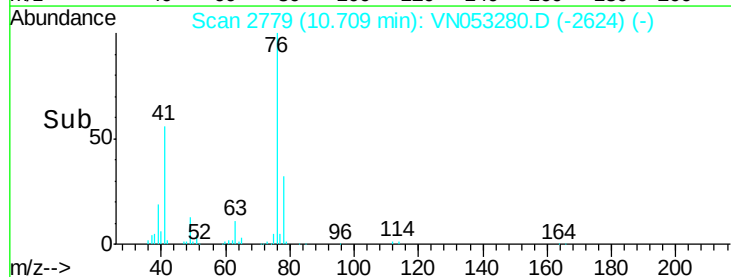
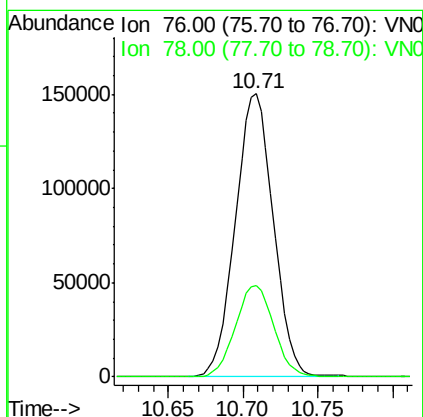
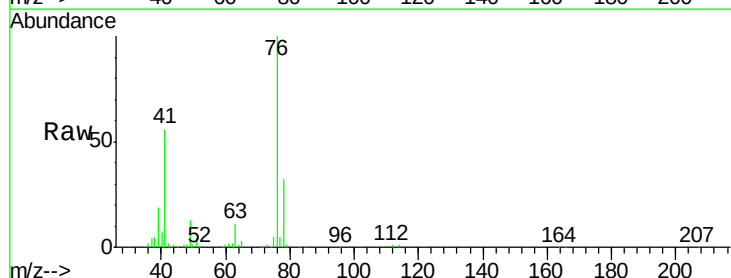
RT: 10.71 min Scan# 2779

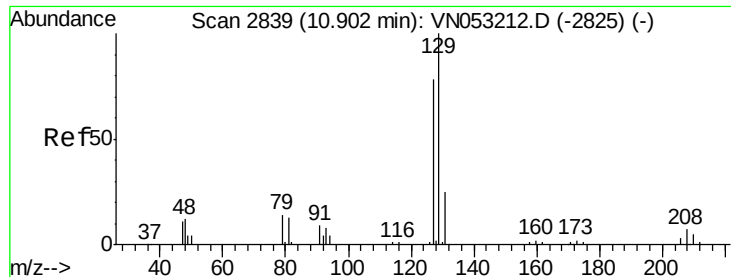
Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 76    | Resp: | 266458 |
| Ion      | Ratio | Lower | Upper  |
| 76       | 100   |       |        |
| 78       | 32.6  | 0.0   | 64.8   |





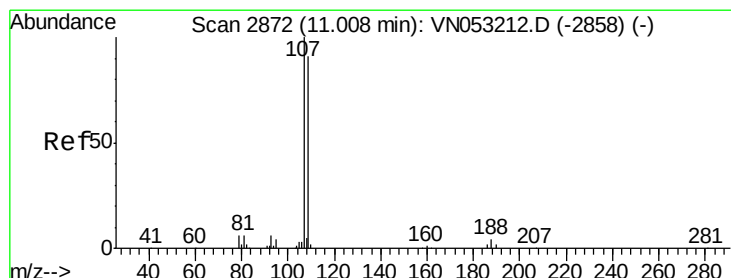
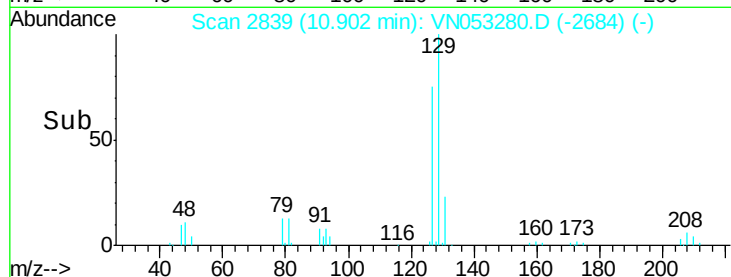
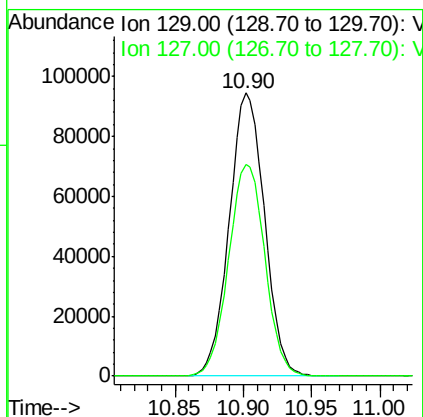
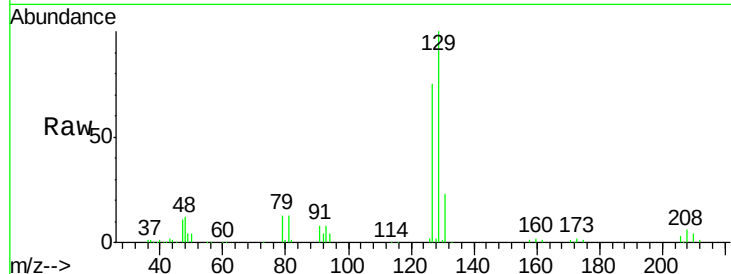
#53  
 Dibromochloromethane  
 Concen: 20.077 ug/l  
 RT: 10.90 min Scan# 2839  
 Delta R.T. -0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0104WBSD01

Tot Ion:129 Resp: 170274  
 Ion Ratio Lower Upper  
 129 100  
 127 76.6 37.6 112.8

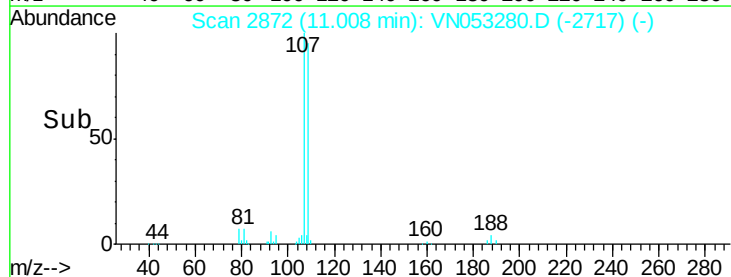
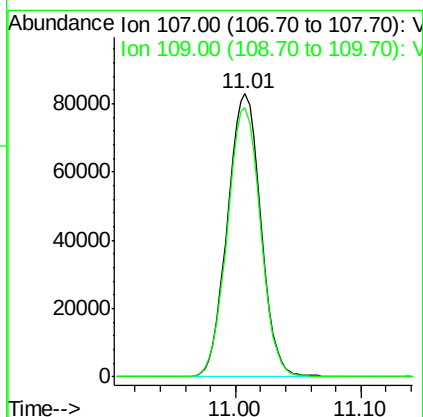
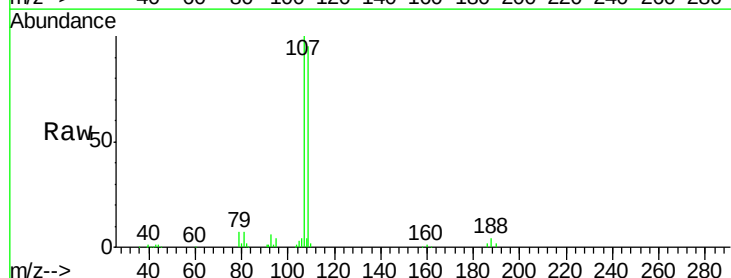
Manual Integrations  
 APPROVED

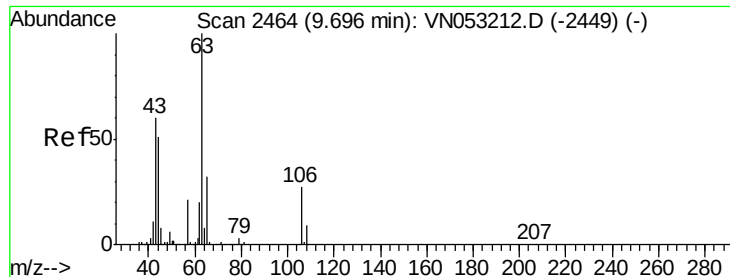
MMDadoda  
 1/7/2019 11:10:01 AM



#54  
 1,2-Dibromoethane  
 Concen: 20.079 ug/l  
 RT: 11.01 min Scan# 2872  
 Delta R.T. -0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

Tgt Ion:107 Resp: 152957  
 Ion Ratio Lower Upper  
 107 100  
 109 95.2 77.1 115.7





#55

2-Chloroethyl vinyl ether

Concen: 102.298 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

Instrument :

MSVOA\_N

ClientSampleId :

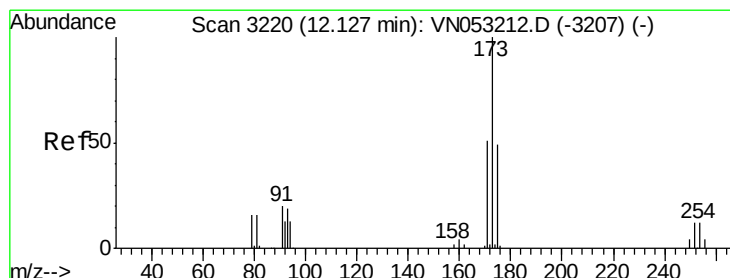
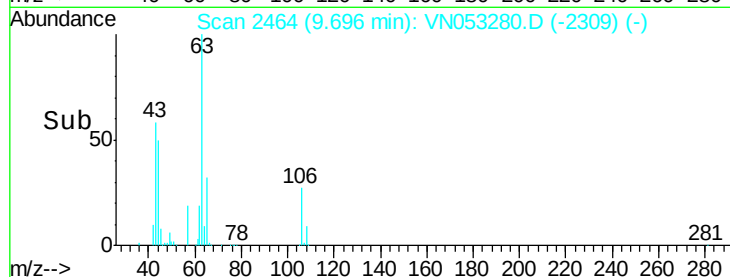
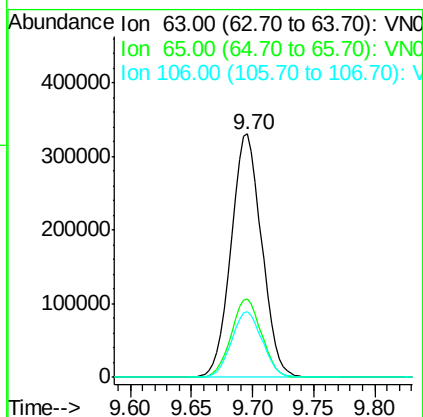
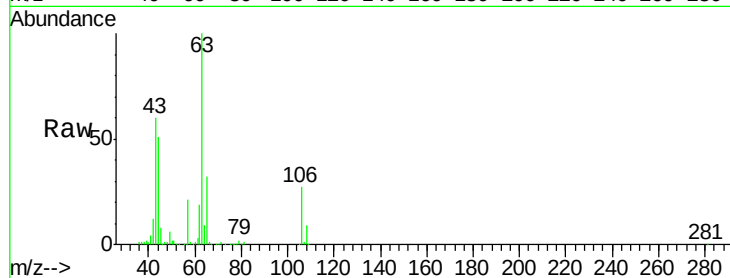
VN0104WBSD01

Tot Ion: 63 Resp: 577786

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 32.1  | 25.4  | 38.2  |
| 106 | 27.1  | 20.4  | 30.6  |

Manual Integrations  
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MMDadoda  
1/7/2019 11:10:01 AM



#56

Bromoform

Concen: 20.044 ug/l

RT: 12.13 min Scan# 3220

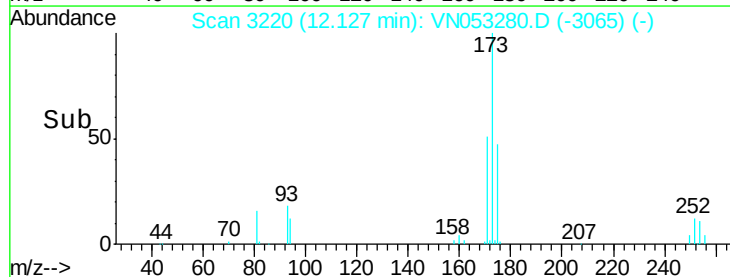
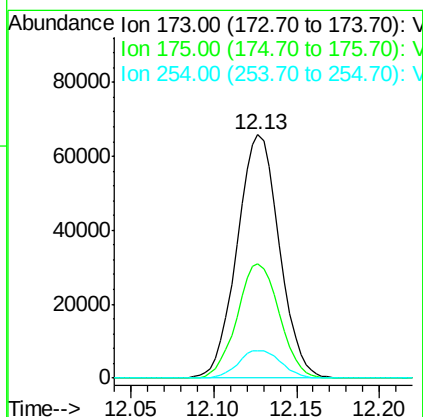
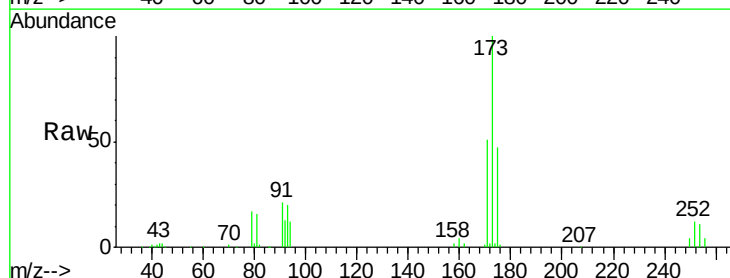
Delta R.T. -0.00 min

Lab File: VN053280.D

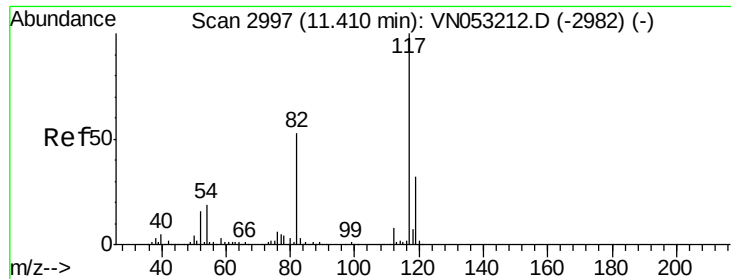
Acq: 4 Jan 2019 10:50

Tgt Ion: 173 Resp: 116293

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 173 | 100   |       |       |
| 175 | 47.2  | 38.7  | 58.1  |
| 254 | 11.6  | 8.4   | 12.6  |







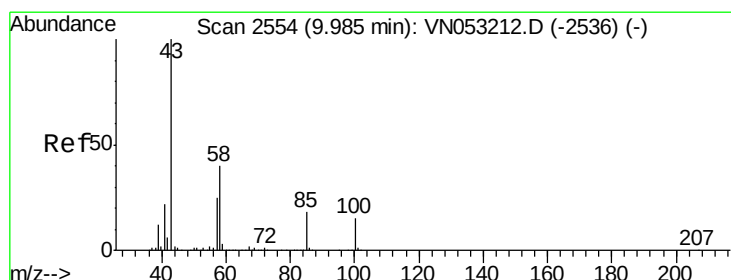
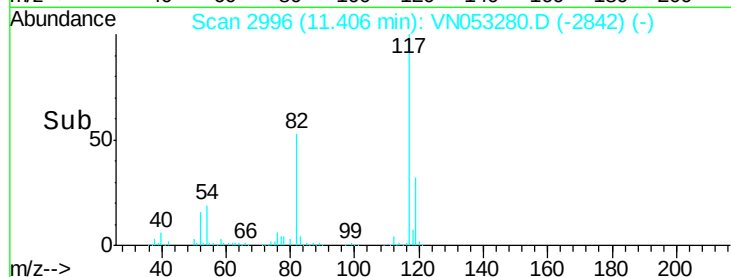
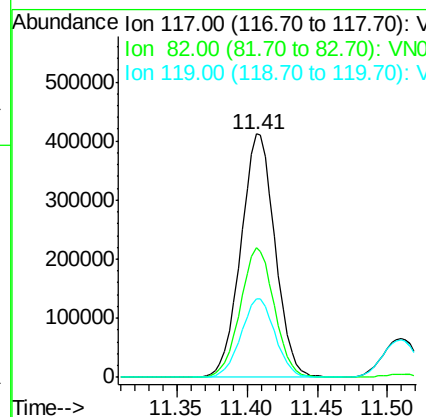
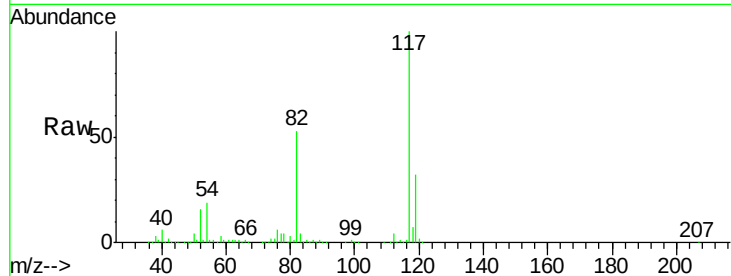
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0104WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 698640 |       |       |
| 82      | 53.0  |        | 44.2  | 66.2  |
| 119     | 32.3  |        | 25.4  | 38.2  |

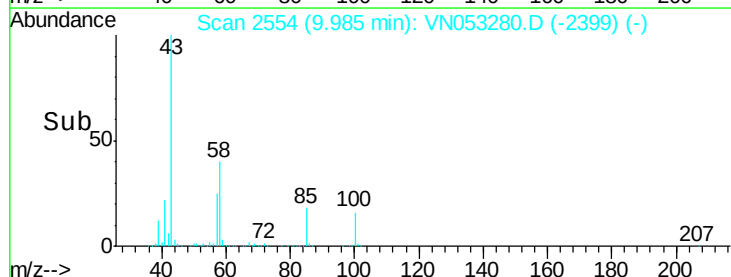
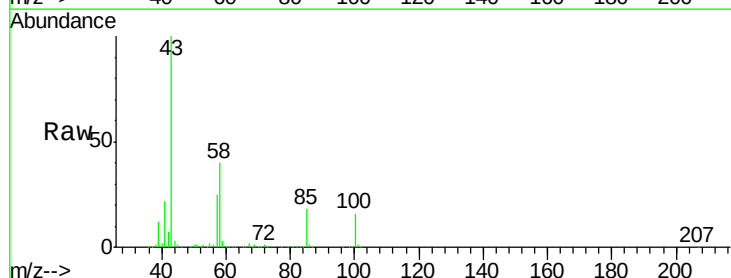
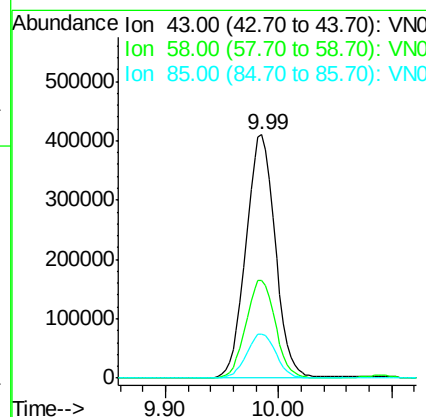
Manual Integrations  
APPROVED

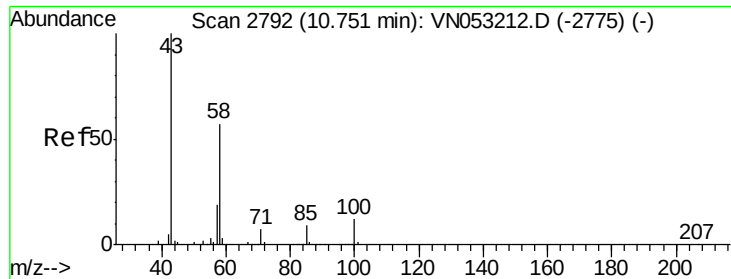
MMDadoda  
1/7/2019 11:10:01 AM



#58  
4-Methyl-2-Pentanone  
Concen: 111.285 ug/l  
RT: 9.99 min Scan# 2554  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 740857 |       |       |
| 58      | 40.4  |        | 31.6  | 47.4  |
| 85      | 18.3  |        | 13.3  | 19.9  |





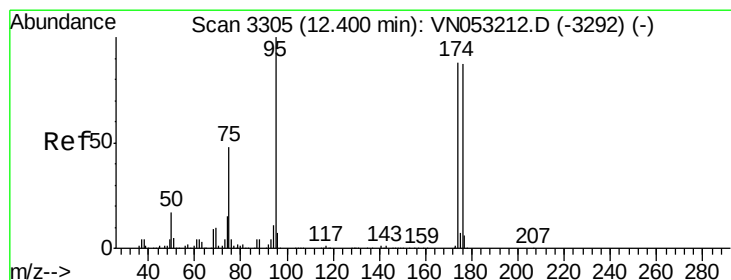
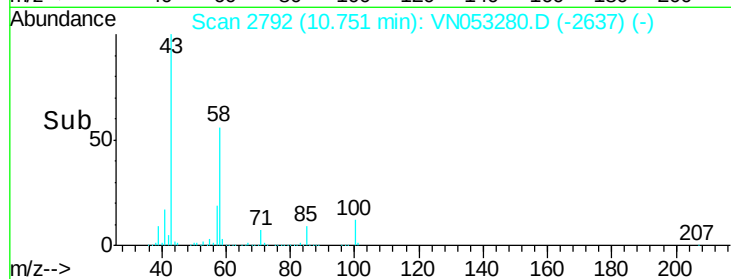
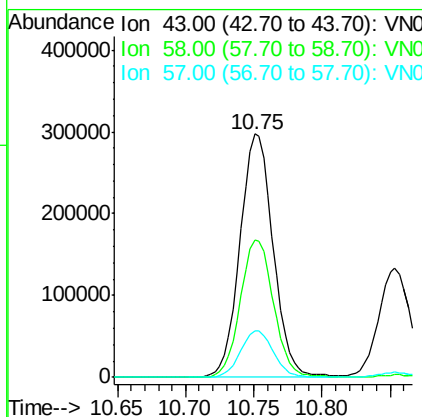
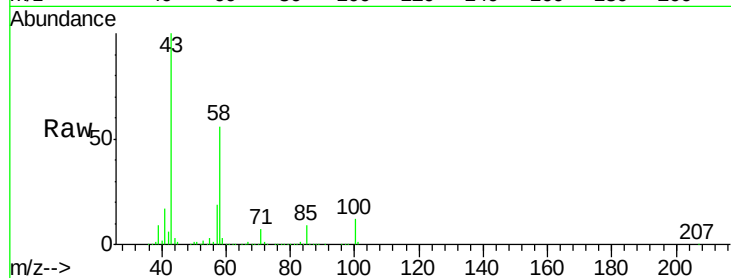
#59  
2-Hexanone  
Concen: 109.076 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 56.8  | 43.2  | 64.8  |
| 57      | 19.2  | 14.9  | 22.3  |

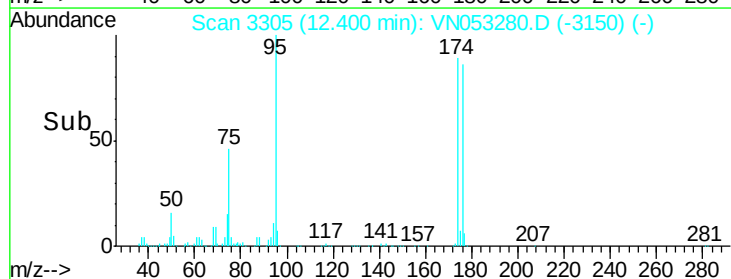
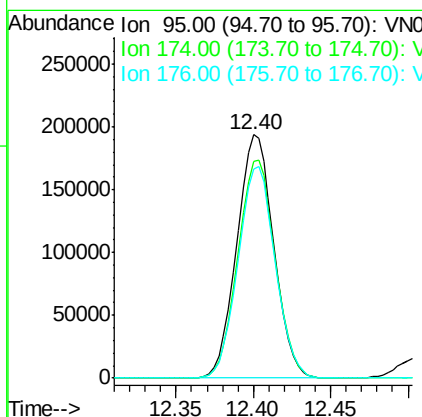
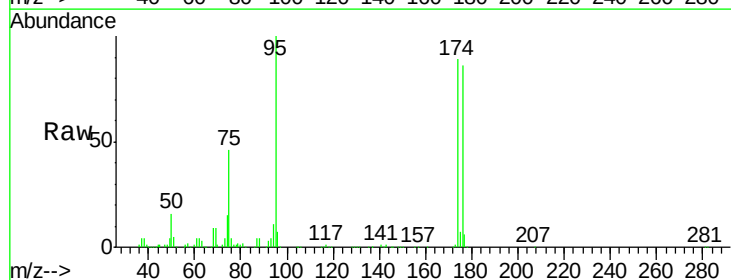
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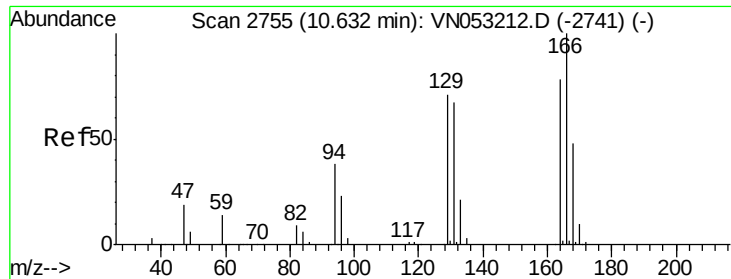
MMDadoda  
1/7/2019 11:10:01 AM



#60  
4-Bromofluorobenzene  
Concen: 109.076 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 90.6  | 67.9  | 101.9 |
| 176     | 87.6  | 66.4  | 99.6  |





#61

Tetrachloroethene

Concen: 20.905 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0104WBSD01

Tot Ion:164 Resp: 215833

Ion Ratio Lower Upper

164 100

166 128.4 104.6 157.0

129 90.5 75.3 112.9

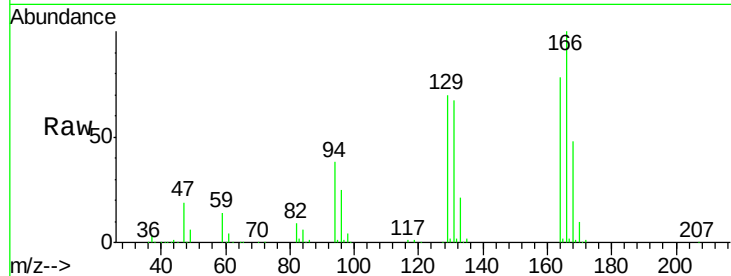
131 86.3 74.3 111.5

Manual Integrations

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MMDadoda

1/7/2019 11:10:01 AM

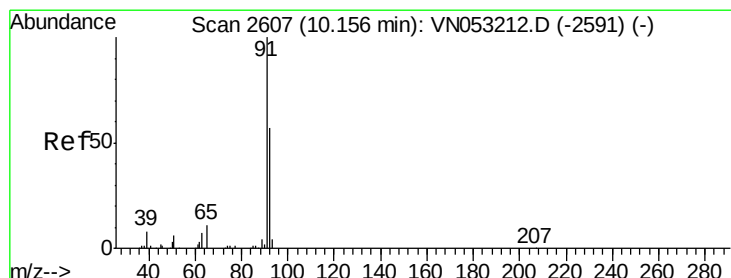
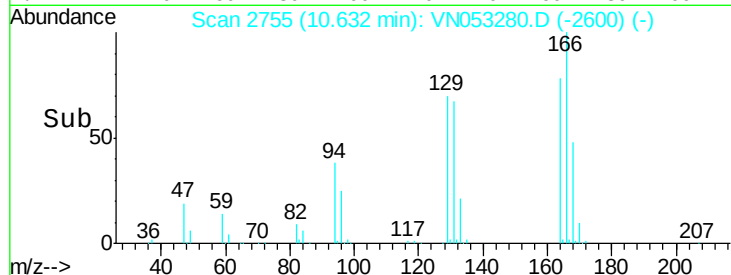
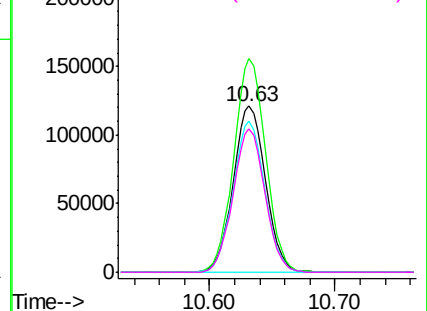


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.031 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053280.D

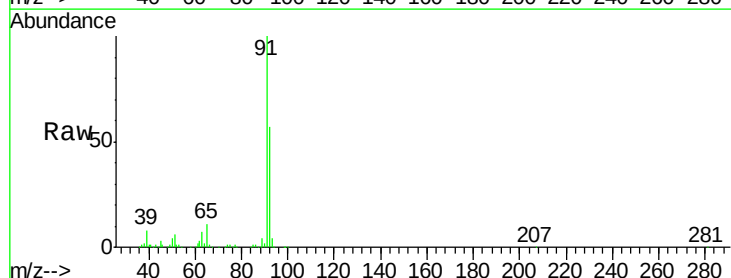
Acq: 4 Jan 2019 10:50

Tgt Ion: 91 Resp: 767510

Ion Ratio Lower Upper

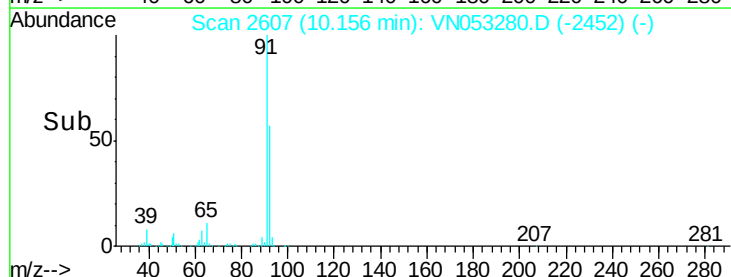
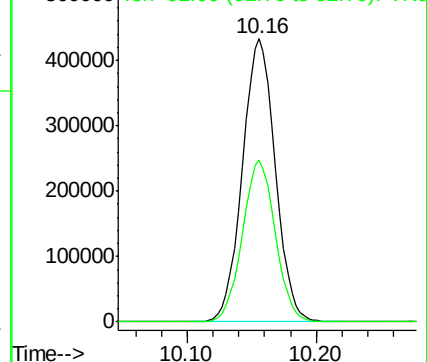
91 100

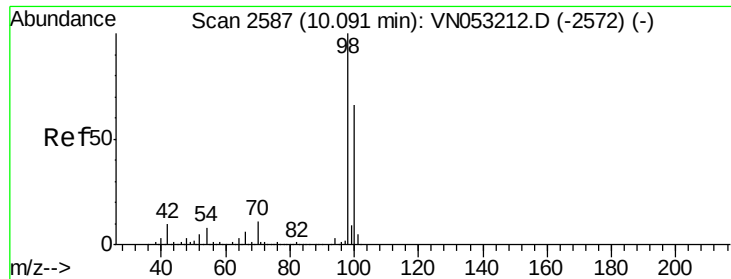
92 57.0 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





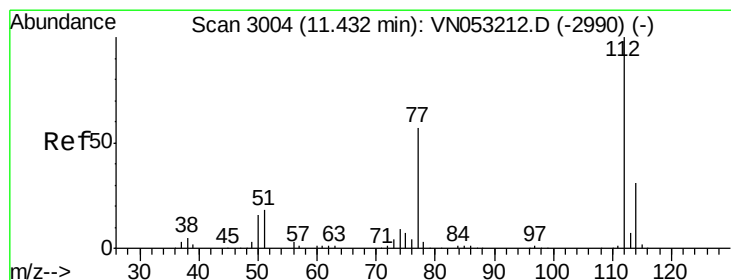
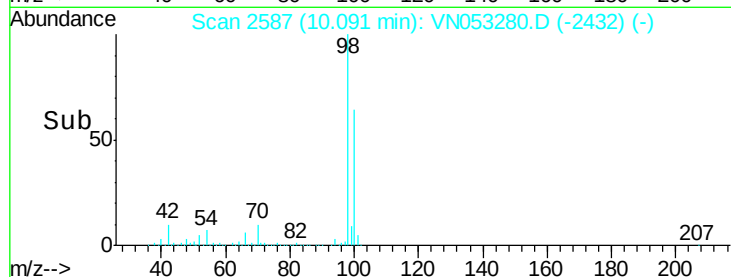
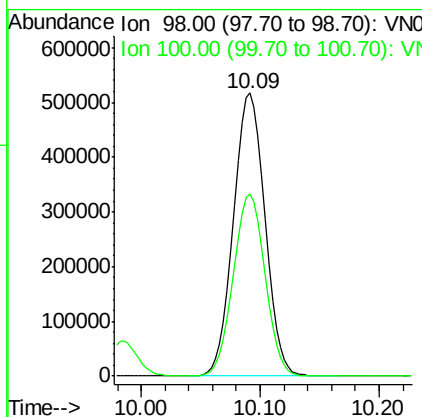
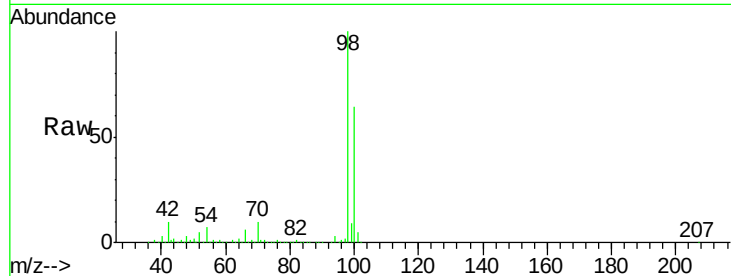
#63  
Toluene-d8  
Concen: 20.031 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104WBSD01

Tot Ion: 98 Resp: 952554  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.1 76.7

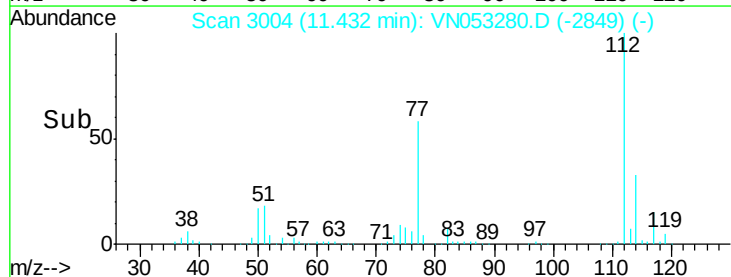
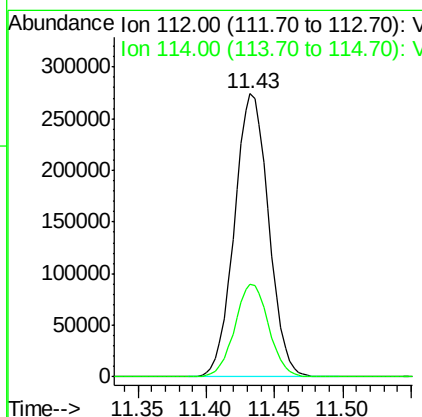
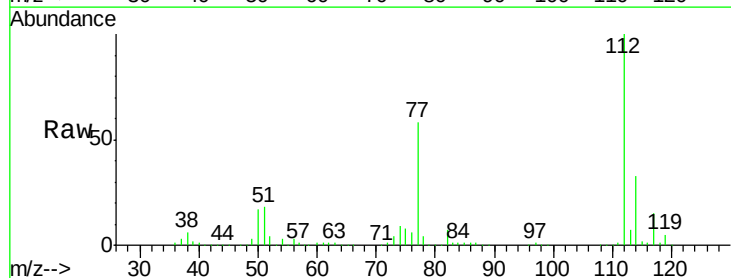
Manual Integrations  
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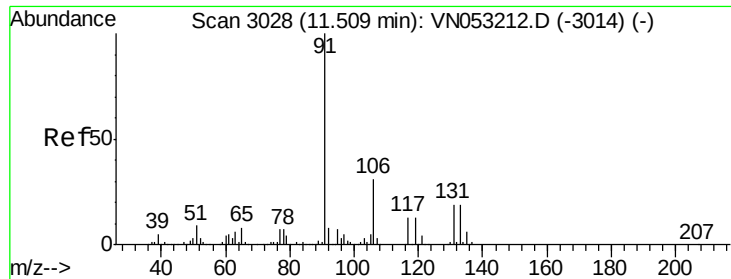
MMDadoda  
1/7/2019 11:10:01 AM



#64  
Chlorobenzene  
Concen: 19.866 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

Tgt Ion: 112 Resp: 477663  
Ion Ratio Lower Upper  
112 100  
114 32.9 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.933 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

Instrument :

MSVOA\_N

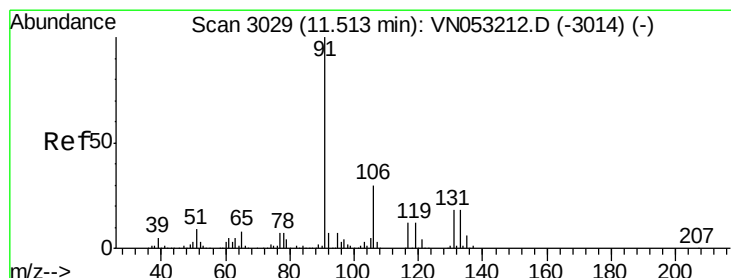
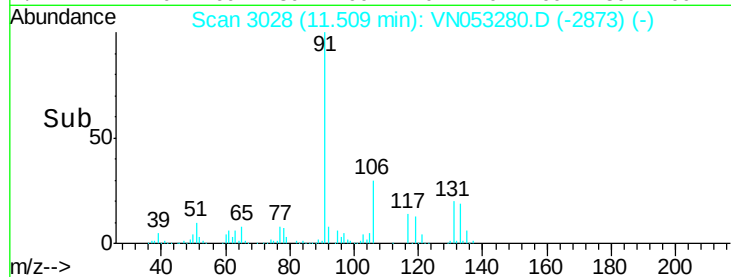
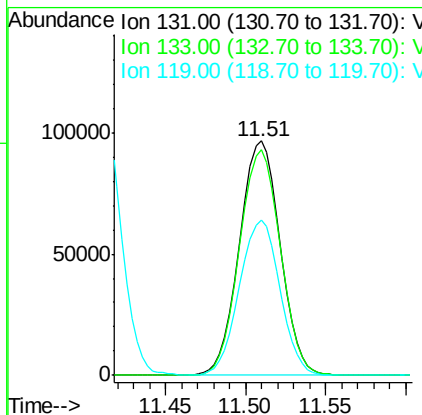
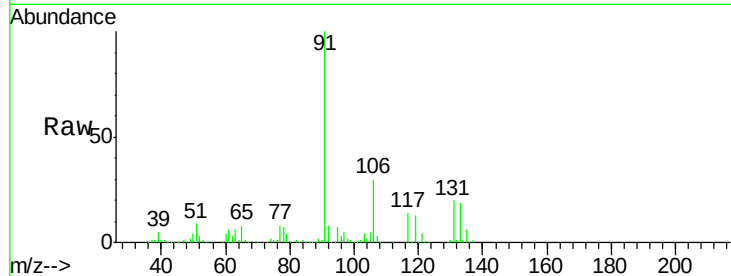
ClientSampled :

VN0104WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 131   | Resp: | 168122 |
| Ion Ratio | Lower | Upper |        |
| 131       | 100   |       |        |
| 133       | 96.5  | 0.0   | 193.4  |
| 119       | 65.4  | 0.0   | 133.0  |

Manual Integrations  
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1/7/2019 11:10:01 AM



#66

Ethyl Benzene

Concen: 19.694 ug/l

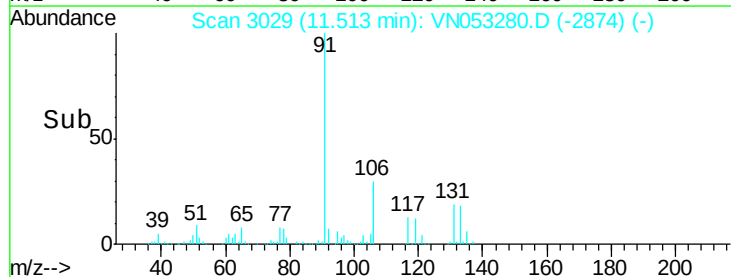
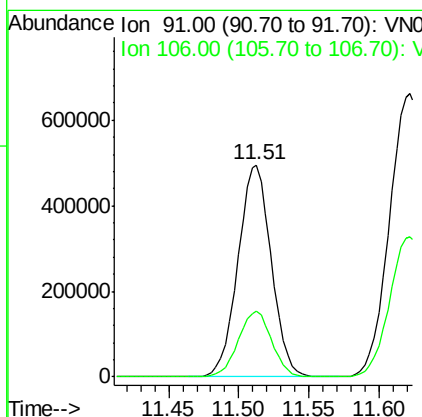
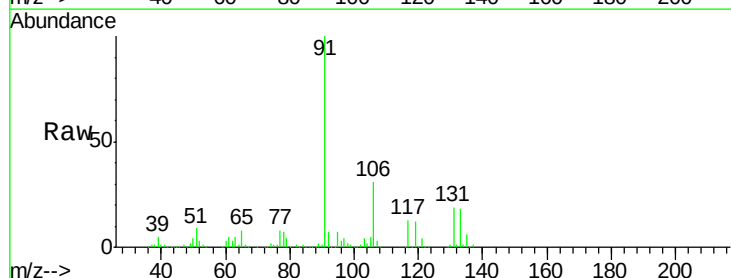
RT: 11.51 min Scan# 3029

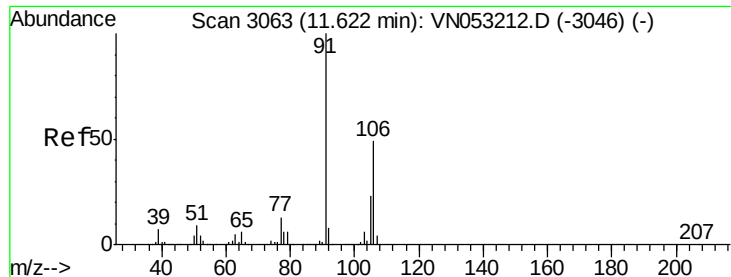
Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 818311 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 30.8  | 24.3  | 36.5   |





#67

m/p-Xylenes

Concen: 40.153 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

Instrument :

MSVOA\_N

ClientSampled :

VN0104WBSD01

Tot Ion:106 Resp: 630989

Ion Ratio Lower Upper

106 100

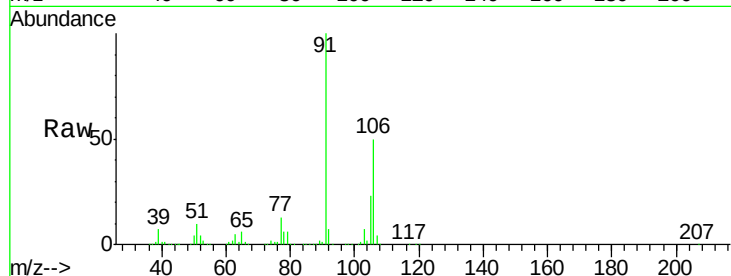
91 201.3 163.9 245.9

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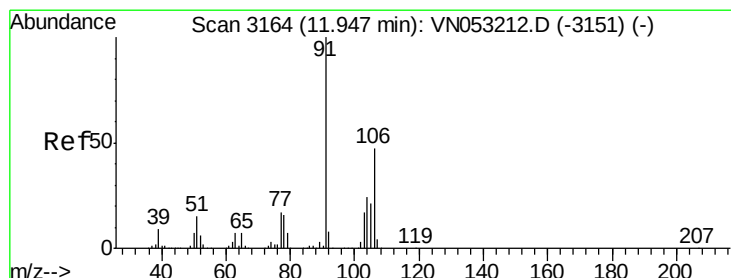
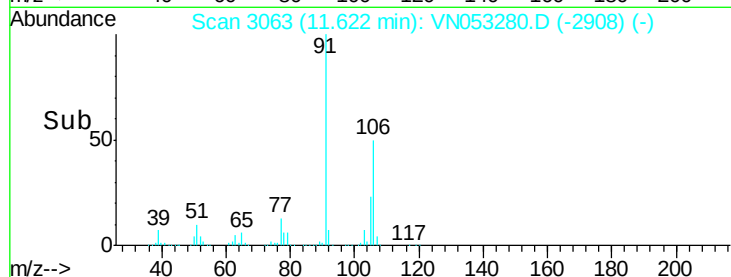
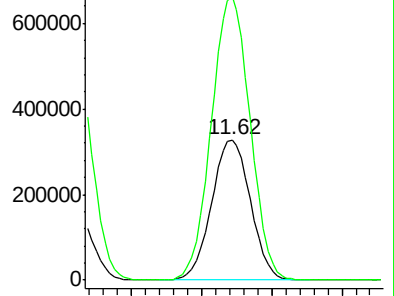
MMDadoda

1/7/2019 11:10:01 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 20.041 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN053280.D

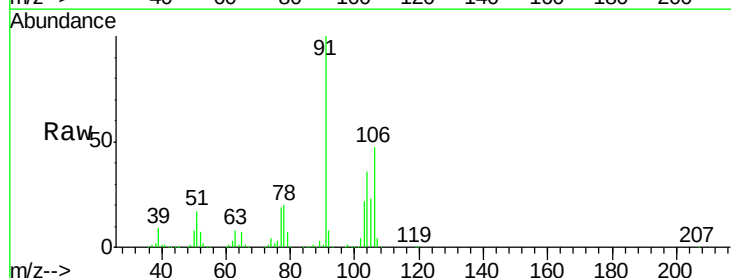
Acq: 4 Jan 2019 10:50

Tgt Ion:106 Resp: 305185

Ion Ratio Lower Upper

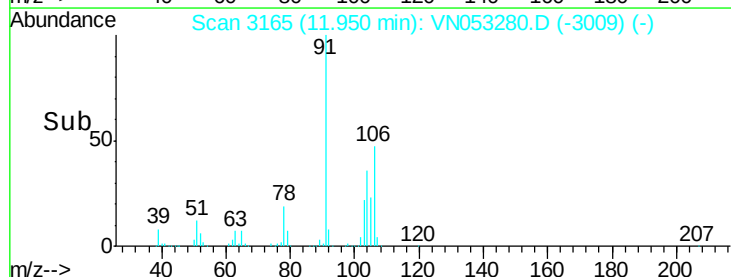
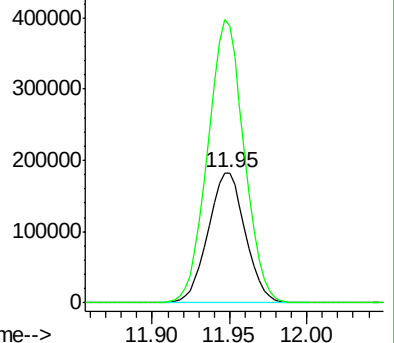
106 100

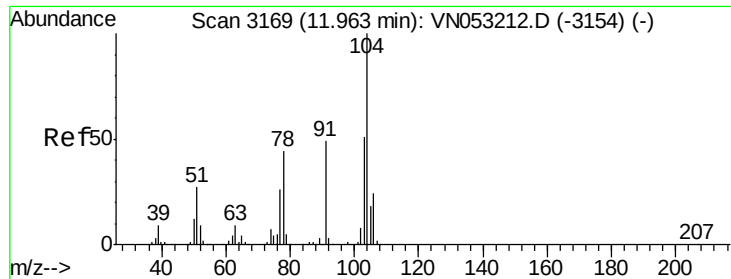
91 212.7 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





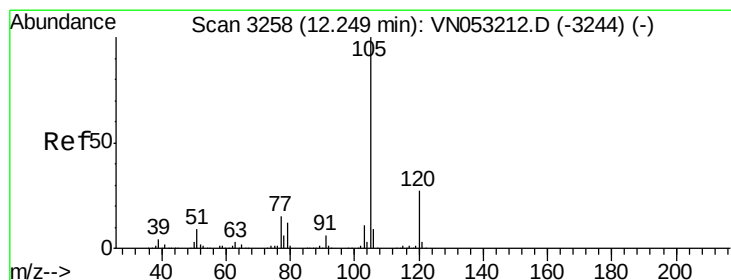
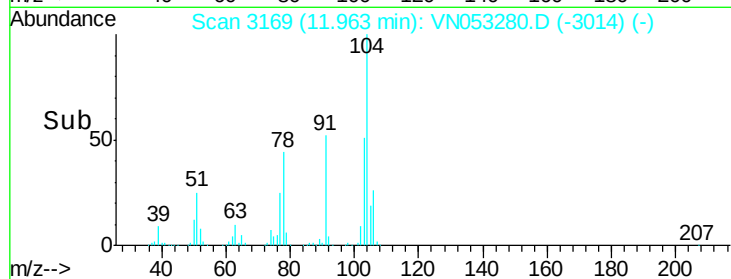
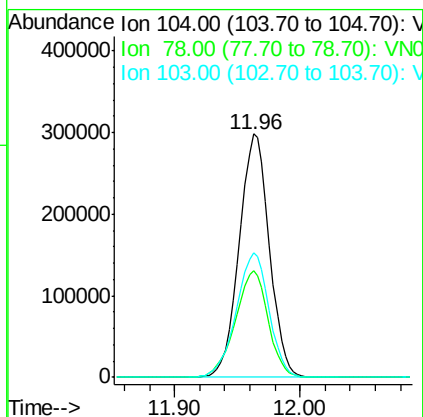
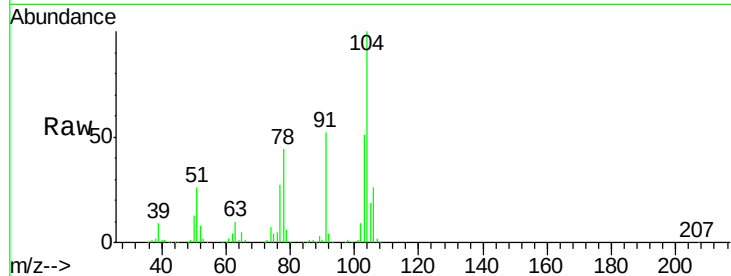
#69  
Stvrene  
Concen: 20.032 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 104     | 100   | 497931 |       |       |
| 78      | 47.7  | 39.3   | 58.9  |       |
| 103     | 55.7  | 44.6   | 66.8  |       |

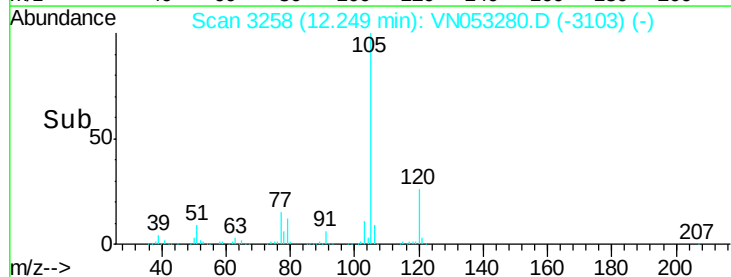
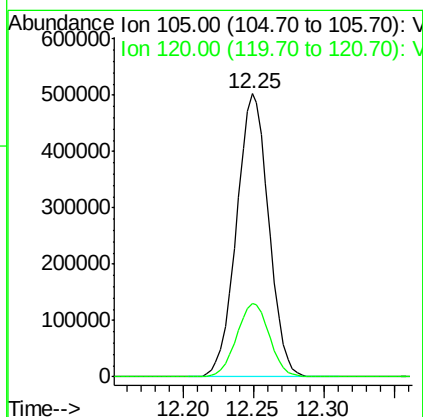
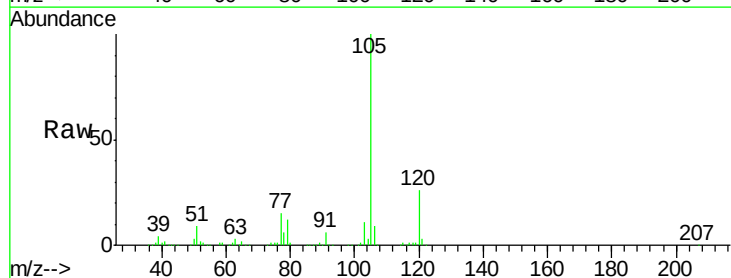
Manual Integrations  
APPROVED

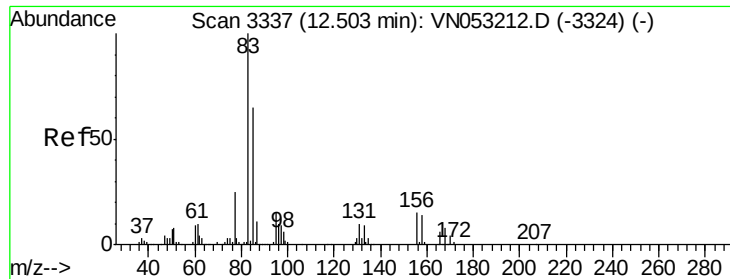
MMDadoda  
1/7/2019 11:10:01 AM



#70  
Isopropylbenzene  
Concen: 20.030 ug/l  
RT: 12.25 min Scan# 3258  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 802504 |       |       |
| 120     | 26.5  | 18.6   | 34.6  |       |





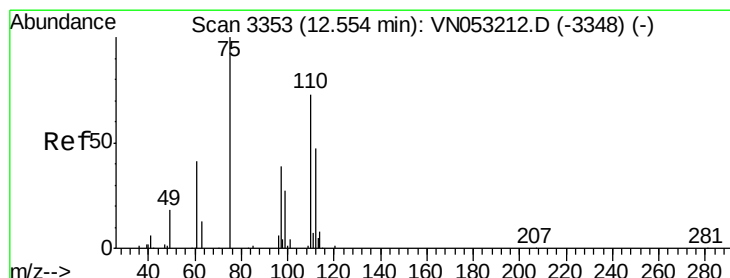
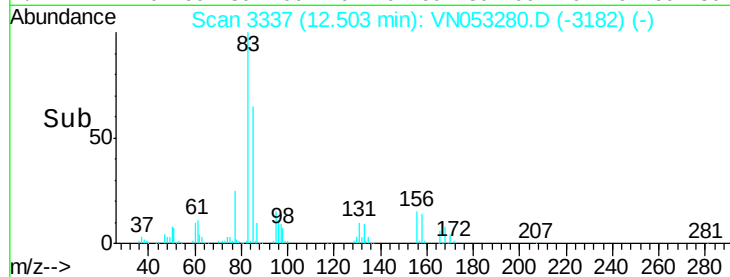
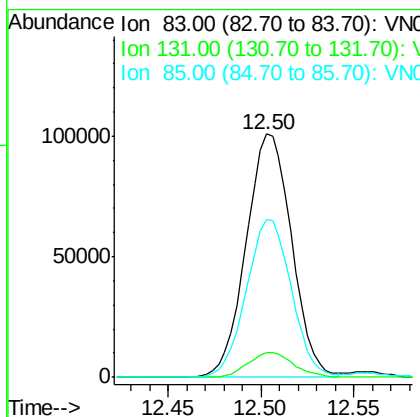
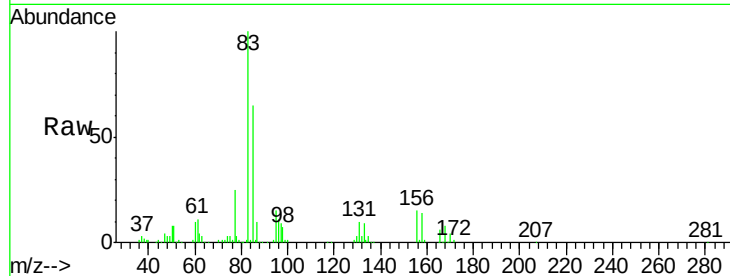
#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 20.420 ug/l  
 RT: 12.50 min Scan# 3337  
 Delta R.T. -0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0104WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 131     | 10.3  | 4.9   | 14.6  |
| 85      | 64.2  | 32.2  | 96.6  |

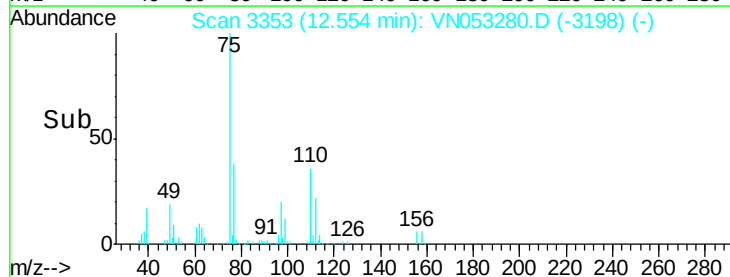
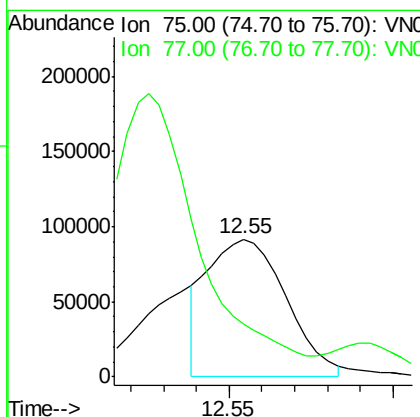
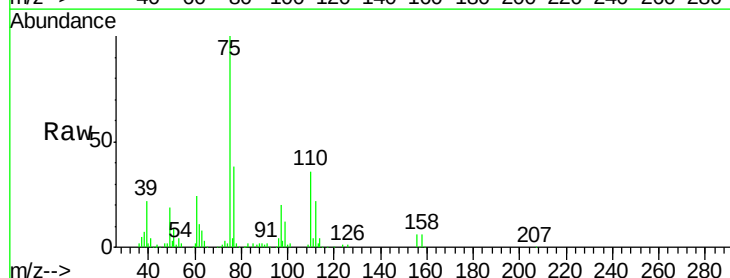
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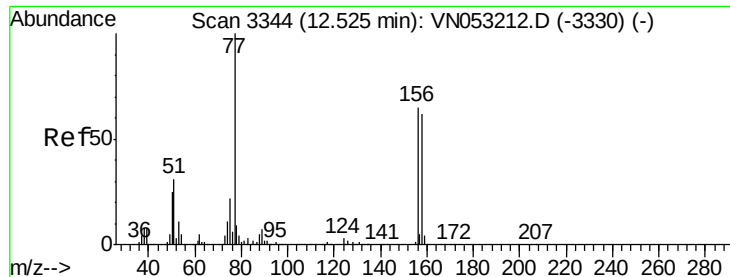


#72  
 1,2,3-Trichloropropane  
 Concen: 20.733 ug/l m  
 RT: 12.55 min Scan# 3353  
 Delta R.T. -0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 241.6 | 0.0   | 514.8 |







#73

Bromobenzene

Concen: 20.420 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

Instrument :

MSVOA\_N

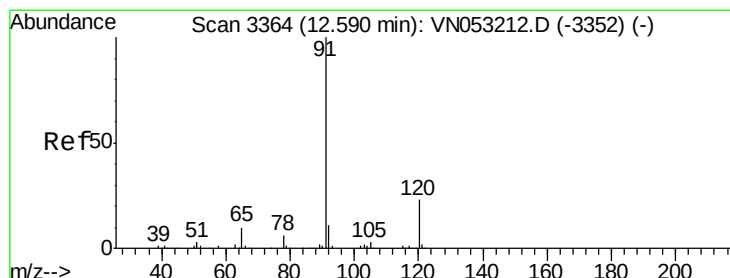
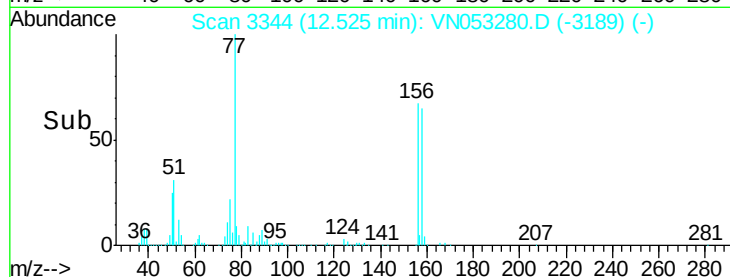
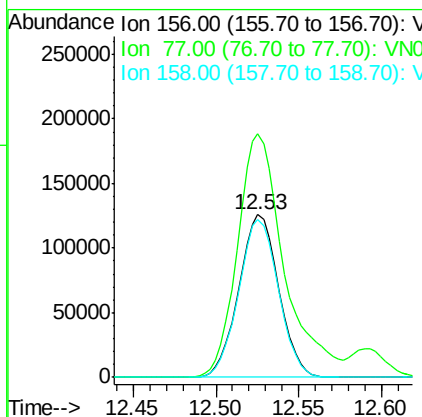
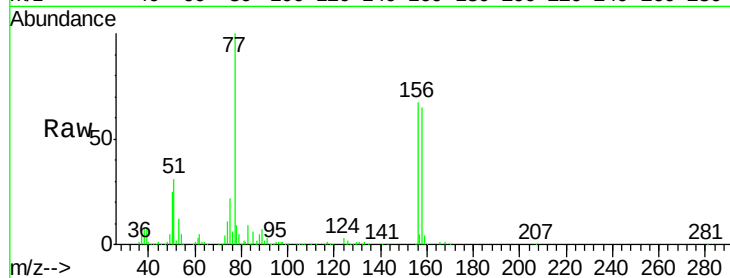
ClientSampled :

VN0104WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 210307 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 175.9 | 0.0   | 382.6  |
| 158       | 97.0  | 0.0   | 196.8  |

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#74

n-propylbenzene

Concen: 19.908 ug/l

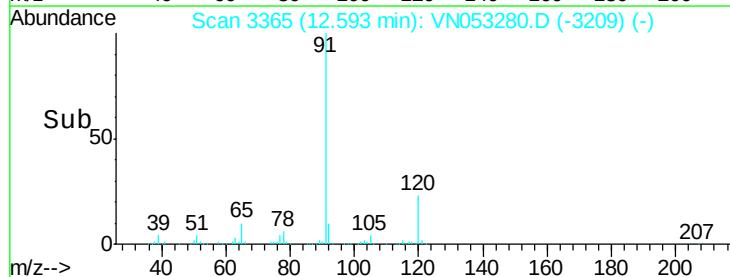
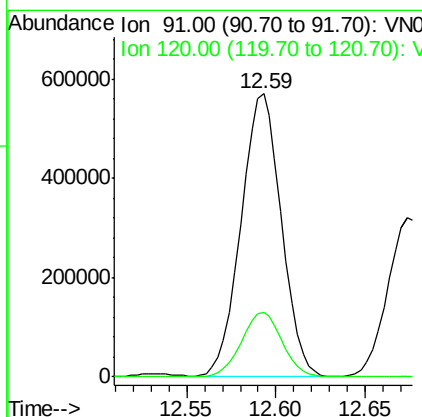
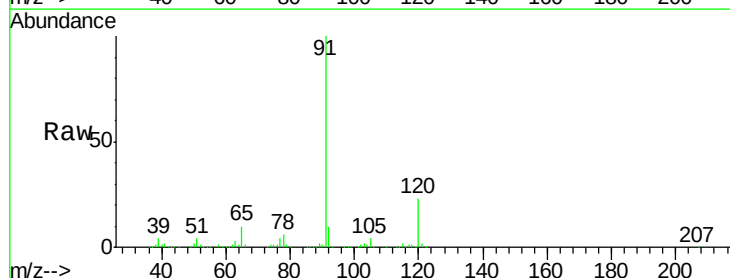
RT: 12.59 min Scan# 3365

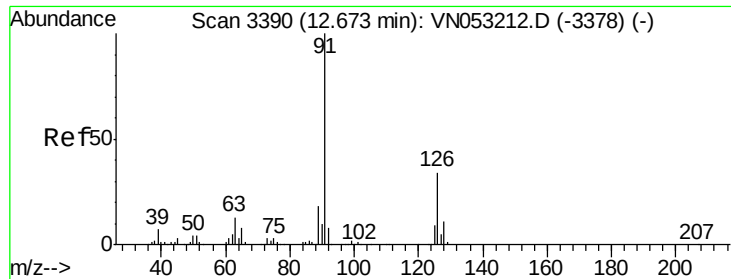
Delta R.T. 0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 902896 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.9  | 0.0   | 44.6   |





#75

2-Chlorotoluene

Concen: 20.127 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

Instrument :

MSVOA\_N

ClientSampled :

VN0104WBSD01

Tot Ion: 91 Resp: 540633

Ion Ratio Lower Upper

91 100

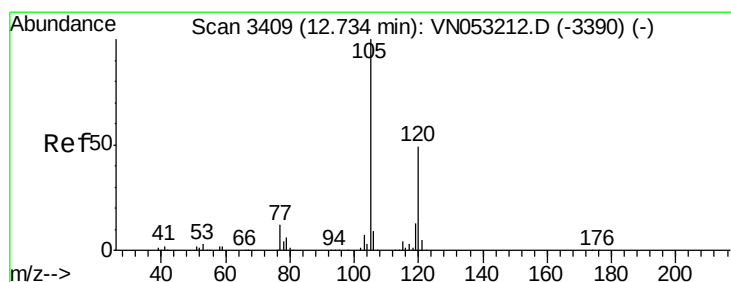
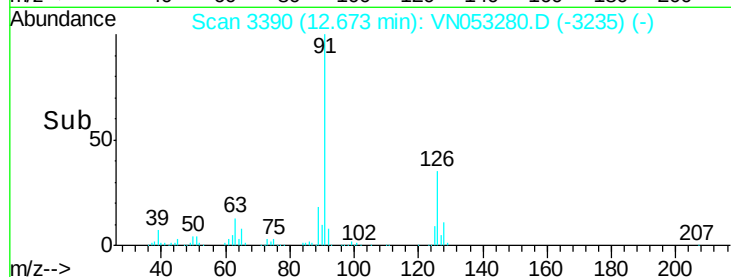
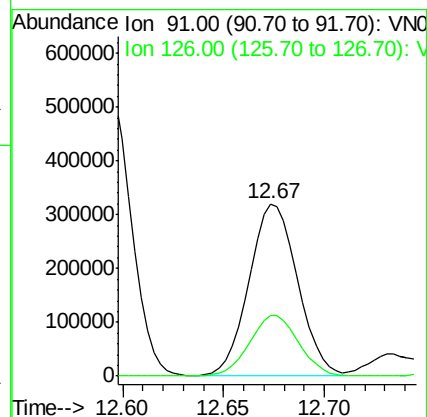
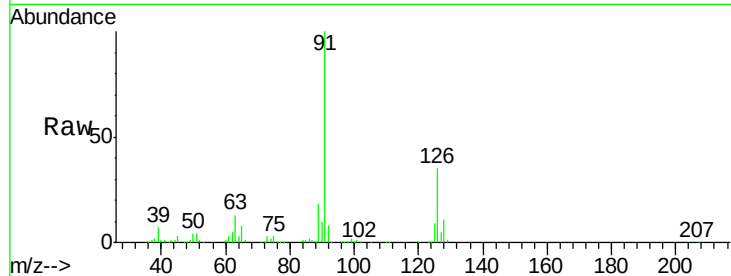
126 35.5 0.0 68.4

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#76

1,3,5-Trimethylbenzene

Concen: 20.665 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN053280.D

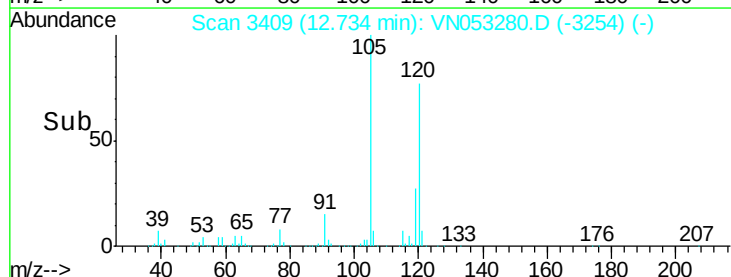
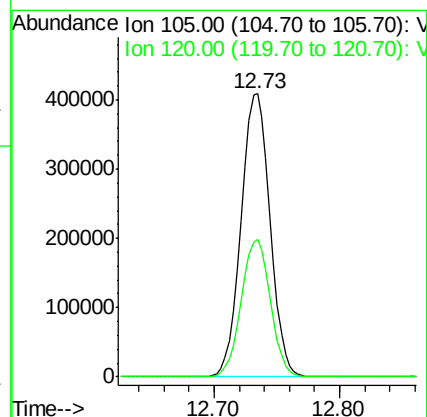
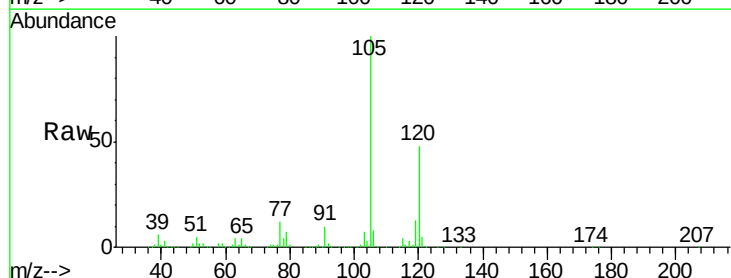
Acq: 4 Jan 2019 10:50

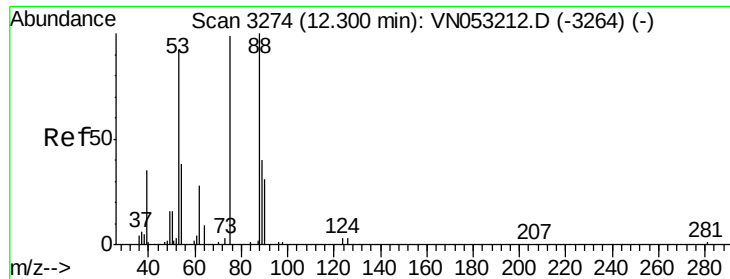
Tgt Ion: 105 Resp: 656794

Ion Ratio Lower Upper

105 100

120 48.7 0.0 97.4





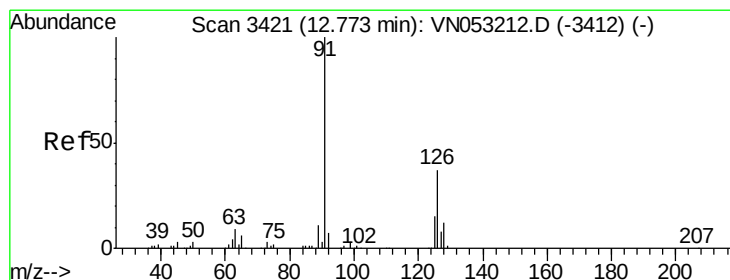
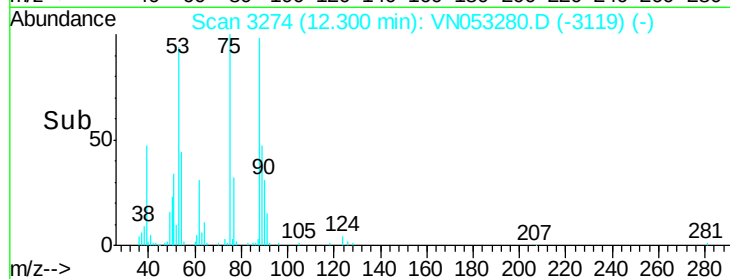
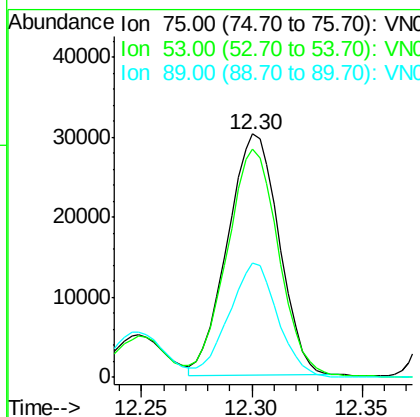
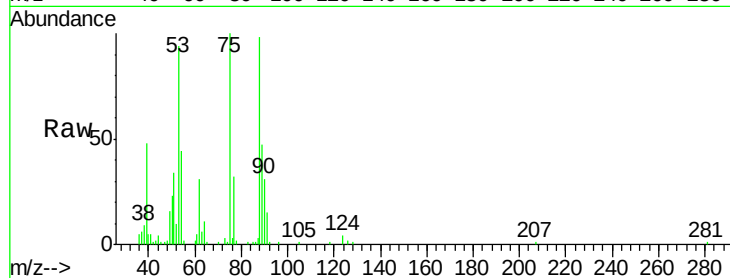
#77  
t-1,4-Dichloro-2-butene  
Concen: 18.851 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 93.9  | 48.5  | 145.6 |
| 89      | 47.4  | 21.7  | 65.1  |

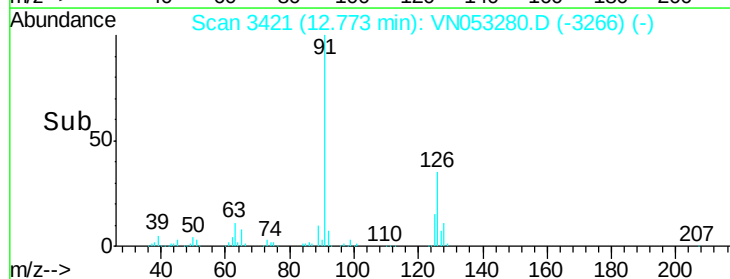
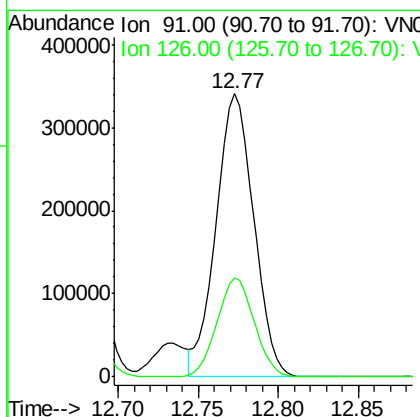
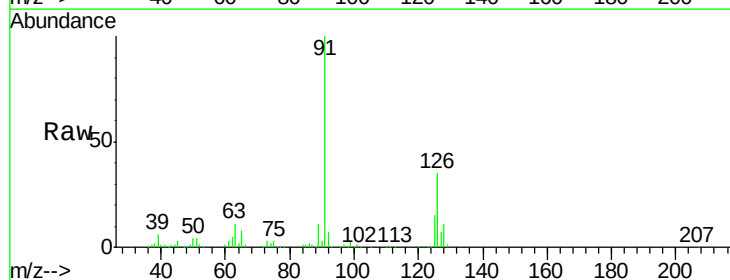
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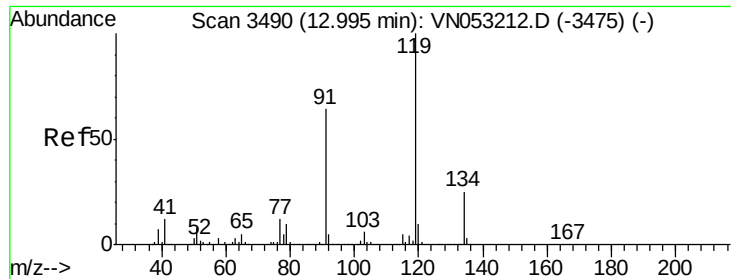
MMDadoda  
1/7/2019 11:10:01 AM



#78  
4-Chlorotoluene  
Concen: 20.188 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.6  | 0.0   | 68.2  |





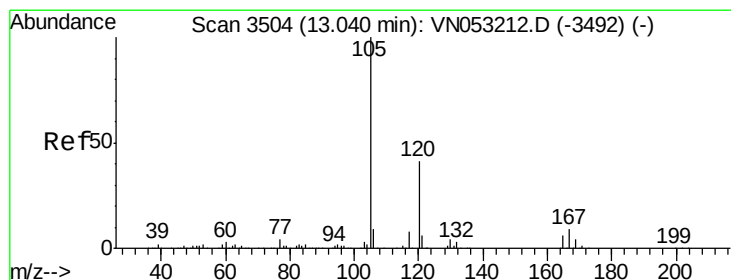
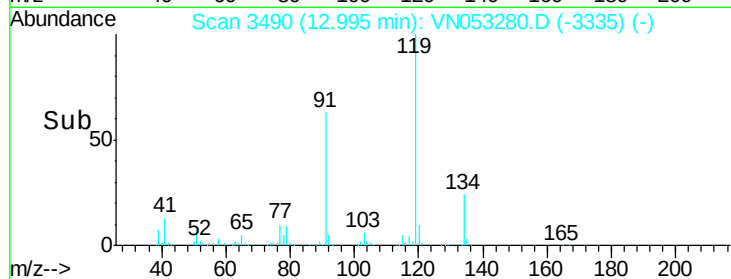
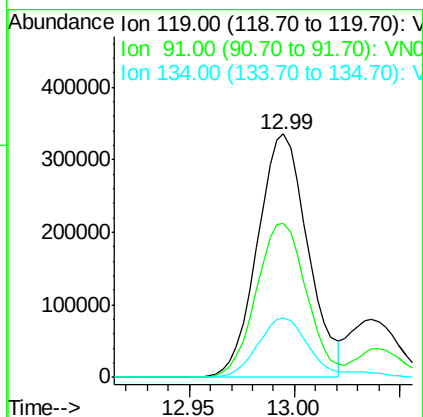
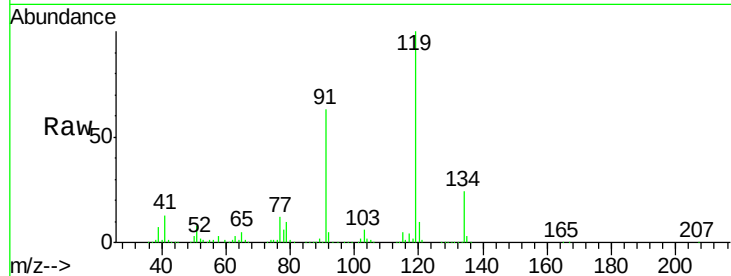
#79  
tert-butylbenzene  
Concen: 20.125 ug/l  
RT: 12.99 min Scan# 3490  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 557841 |       |       |
| 91      | 63.7  |        | 0.0   | 129.8 |
| 134     | 24.4  |        | 0.0   | 52.2  |

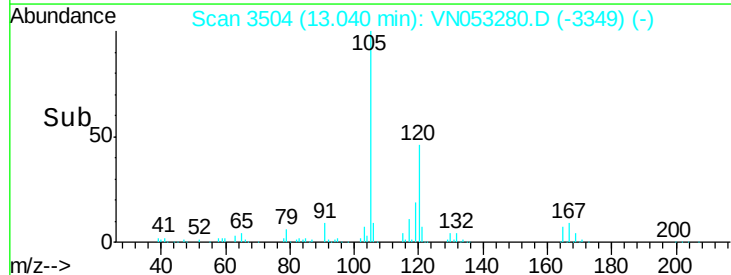
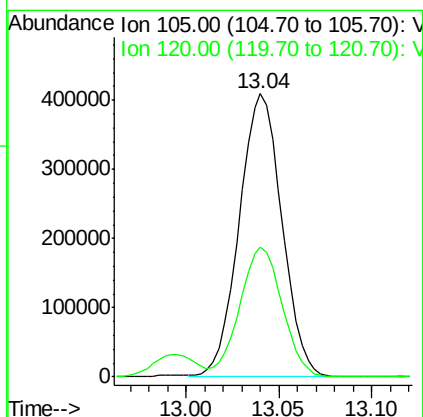
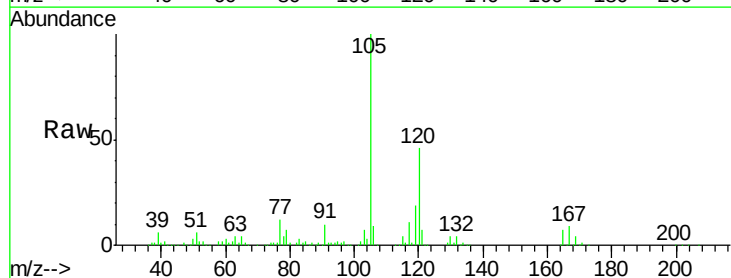
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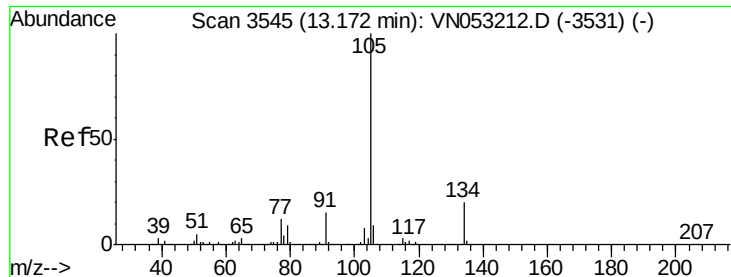
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1/7/2019 11:10:01 AM



#80  
1,2,4-Trimethylbenzene  
Concen: 20.454 ug/l  
RT: 13.04 min Scan# 3504  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 651562 |       |       |
| 120     | 45.7  |        | 0.0   | 91.0  |





#81

sec-Butylbenzene

Concen: 20.239 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

Instrument :

MSVOA\_N

ClientSampled :

VN0104WBSD01

Tot Ion:105 Resp: 742879

Ion Ratio Lower Upper

105 100

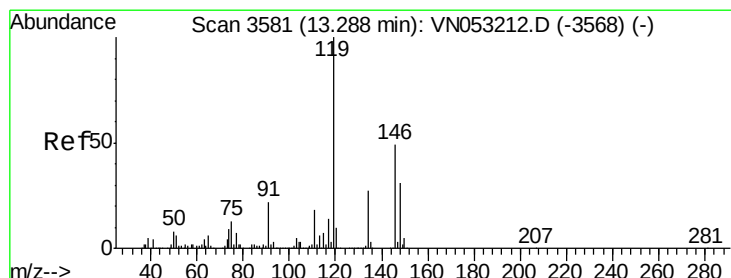
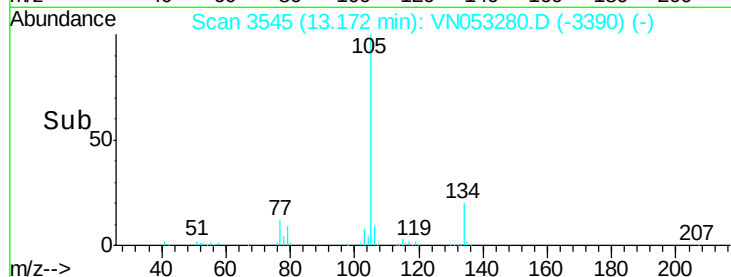
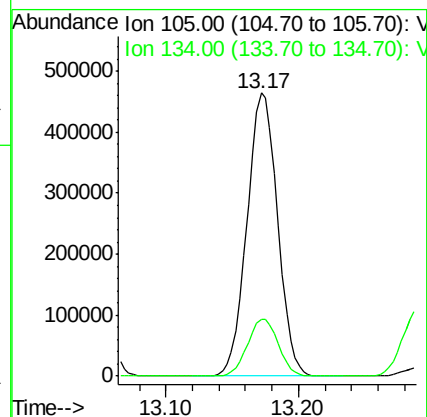
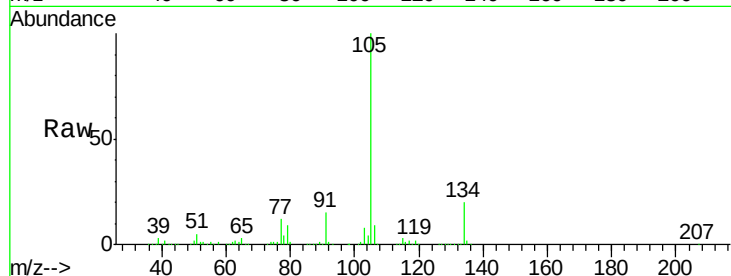
134 20.4 0.0 40.4

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#82

p-Isopropyltoluene

Concen: 20.237 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

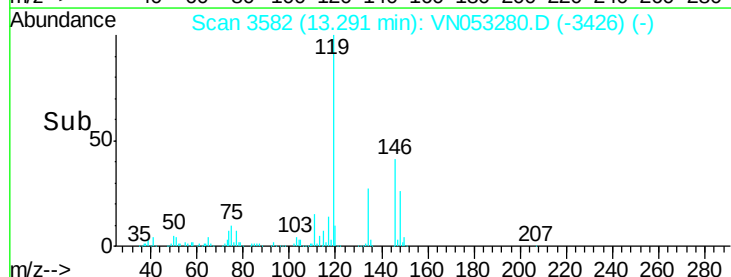
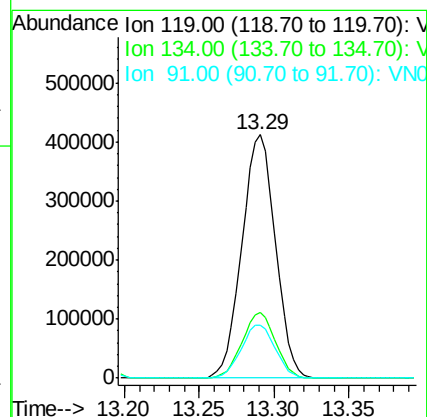
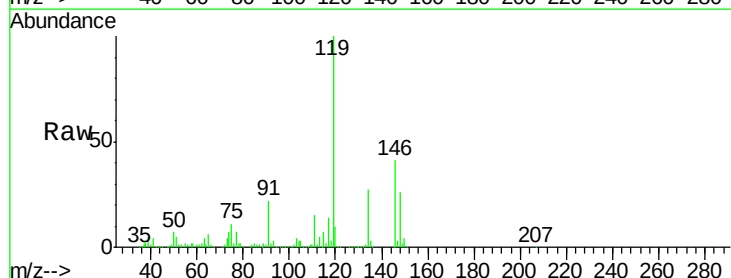
Tgt Ion:119 Resp: 641866

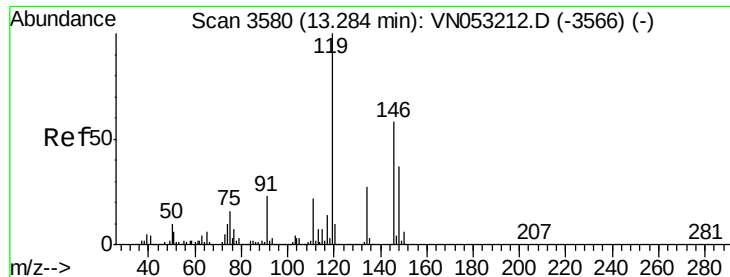
Ion Ratio Lower Upper

119 100

134 27.0 0.0 52.6

91 22.4 0.0 46.2





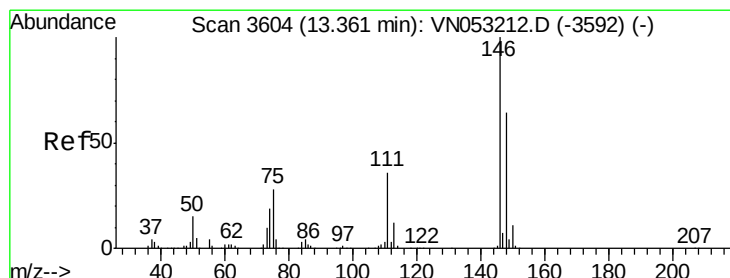
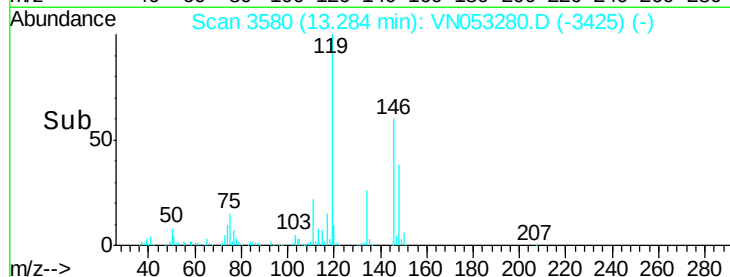
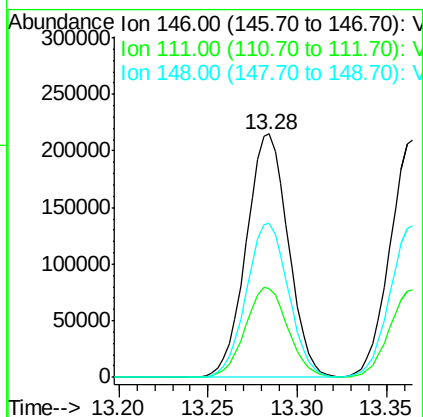
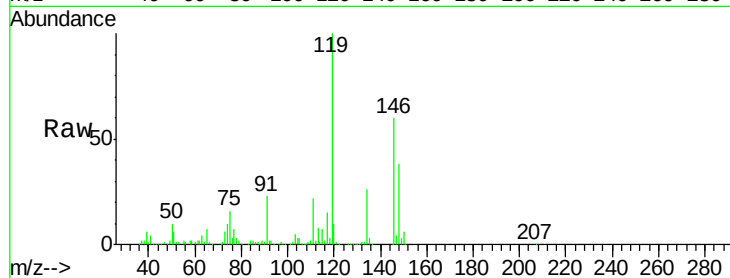
#83  
1,3-Dichlorobenzene  
Concen: 20.173 ug/l  
RT: 13.28 min Scan# 3580  
Delta R.T. -0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0104WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.3  | 19.7  | 59.0  |
| 148     | 63.6  | 32.3  | 96.8  |

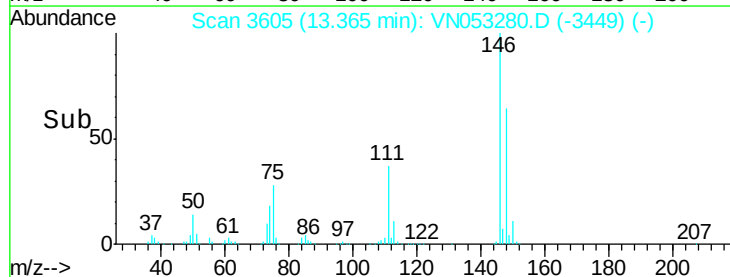
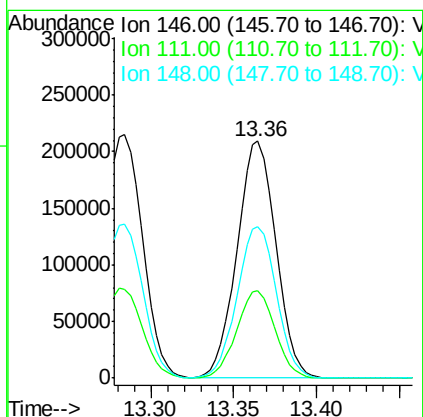
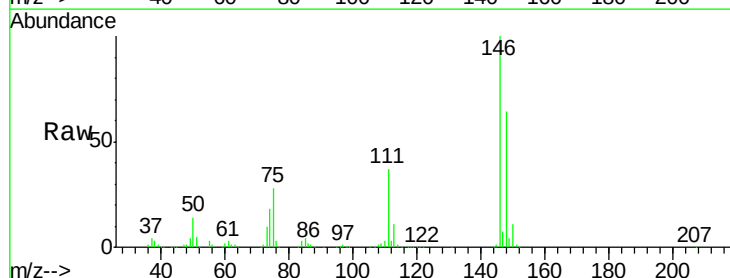
Manual Integrations  
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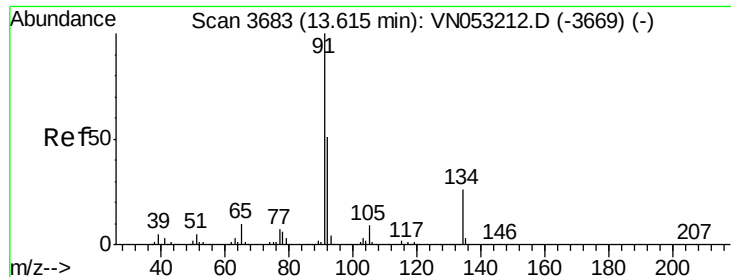
MMDadoda  
1/7/2019 11:10:01 AM



#84  
1,4-Dichlorobenzene  
Concen: 20.041 ug/l  
RT: 13.36 min Scan# 3605  
Delta R.T. 0.00 min  
Lab File: VN053280.D  
Acq: 4 Jan 2019 10:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.4  | 18.8  | 56.3  |
| 148     | 64.4  | 32.5  | 97.4  |





#85

n-Butylbenzene

Concen: 19.595 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

Instrument :

MSVOA\_N

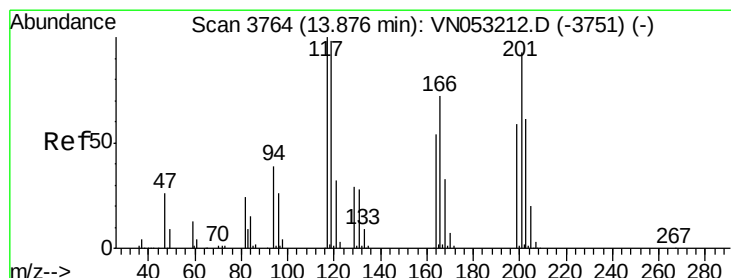
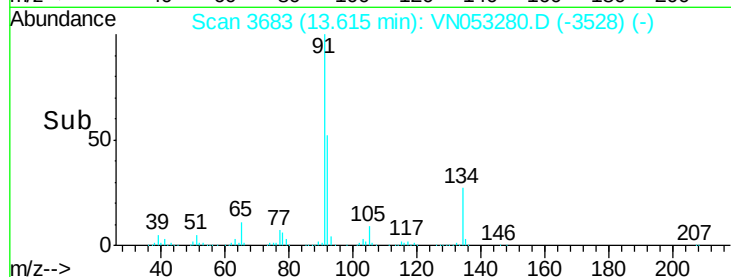
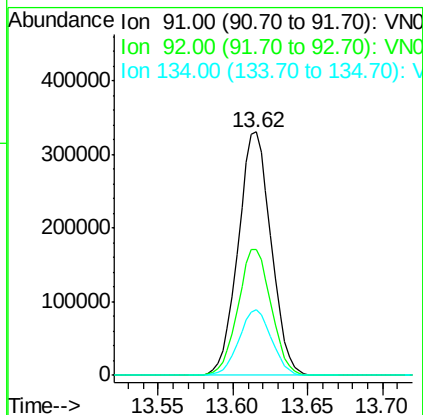
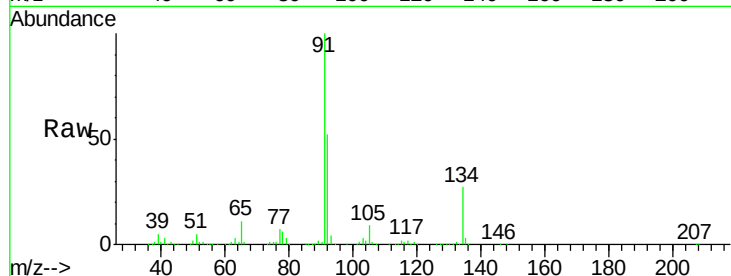
ClientSampled :

VN0104WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 91    | Resp: | 505396 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 52.3  | 0.0   | 104.2  |
| 134      | 26.7  | 0.0   | 50.6   |

Manual Integrations  
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#86

Hexachloroethane

Concen: 19.257 ug/l

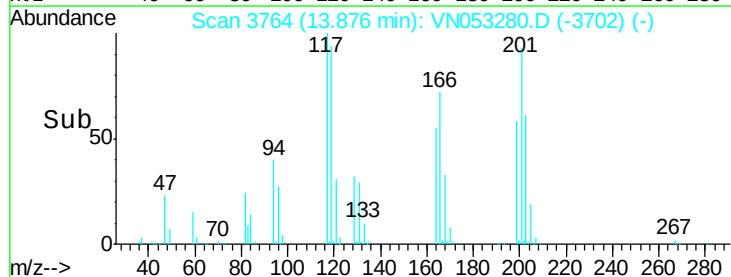
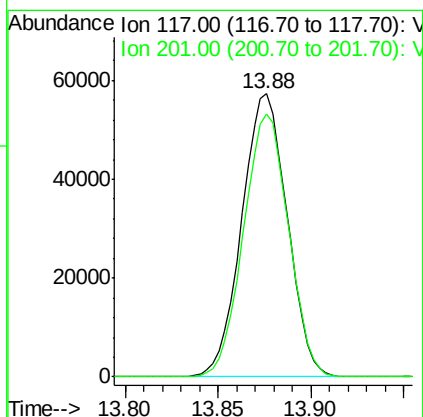
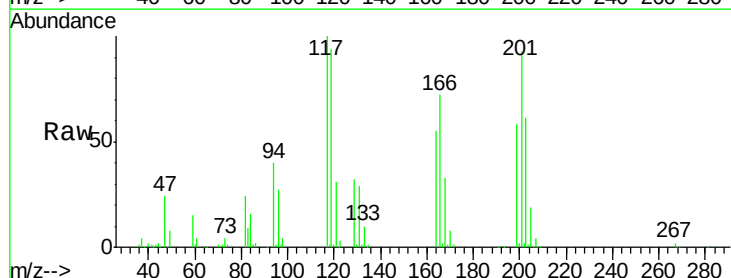
RT: 13.88 min Scan# 3764

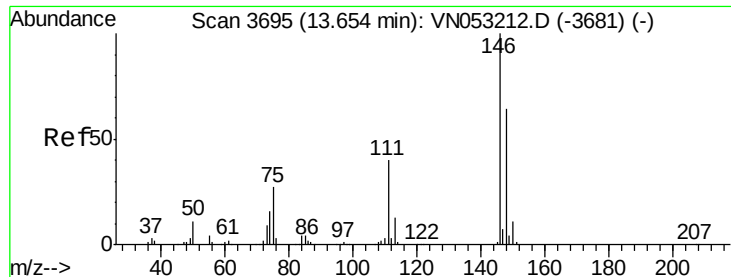
Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 97517 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 91.9  | 43.8  | 131.3 |





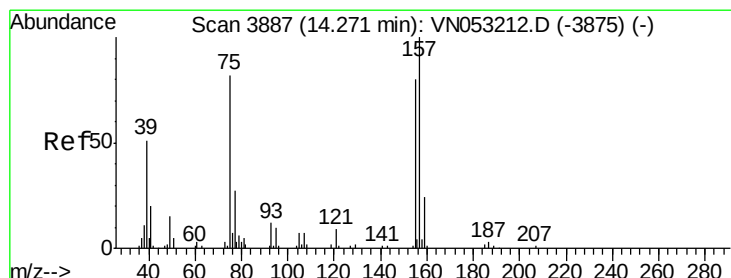
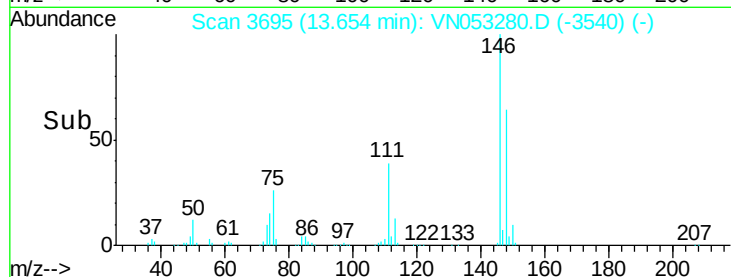
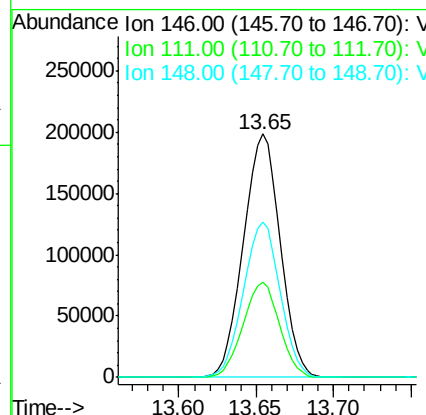
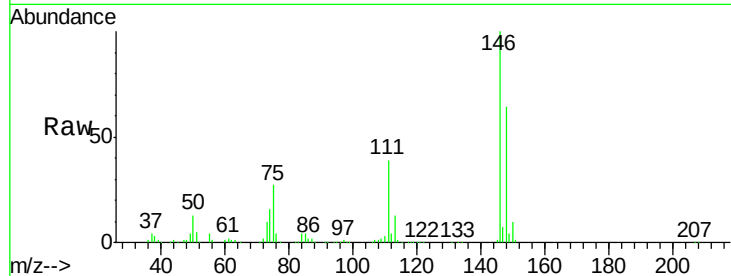
#87  
 1,2-Dichlorobenzene  
 Concen: 20.203 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. -0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0104WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.5  | 20.3  | 60.8  |
| 148     | 63.7  | 32.1  | 96.5  |

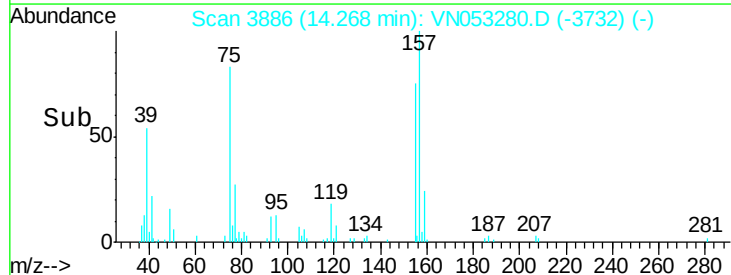
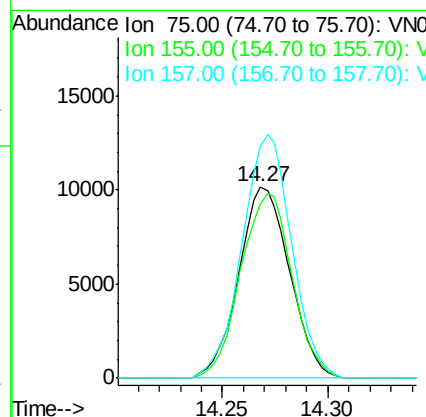
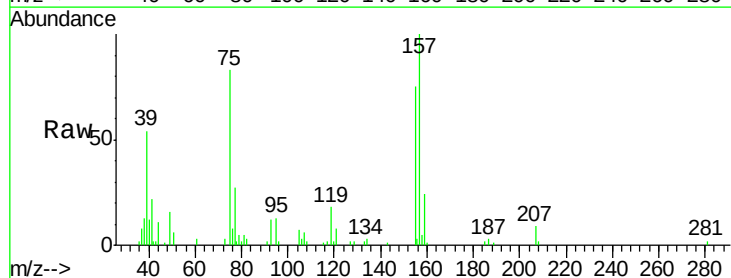
Manual Integrations  
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 1/7/2019 11:10:01 AM

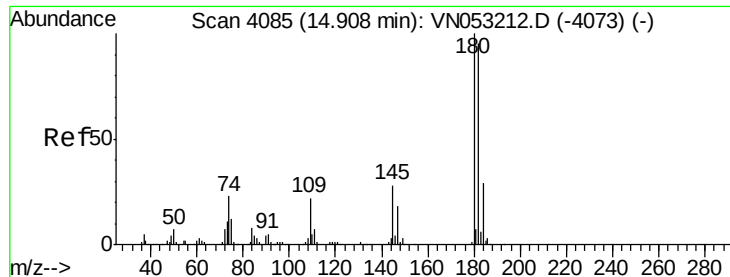


#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 14.124 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. -0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 97.3  | 72.2  | 108.2 |
| 157     | 124.7 | 94.2  | 141.2 |







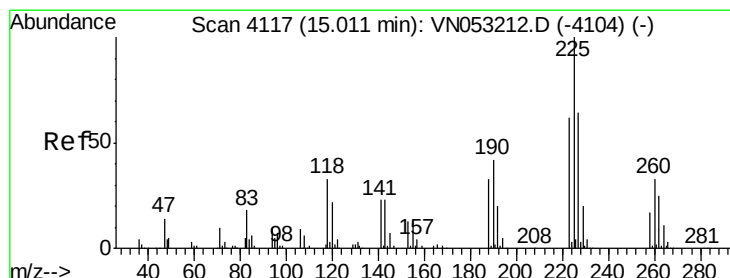
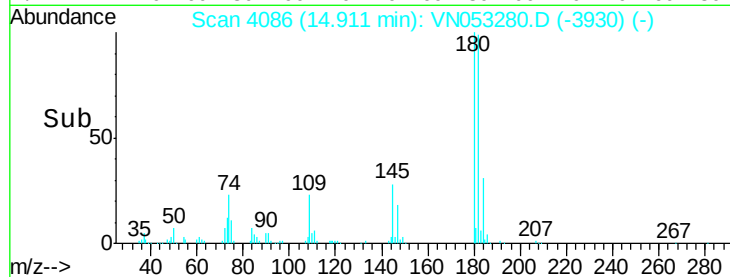
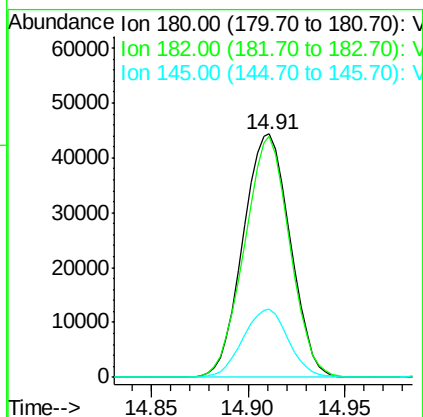
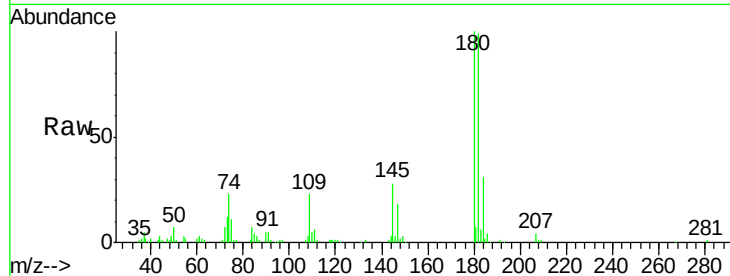
#89  
 1,2,4-Trichlorobenzene  
 Concen: 9.499 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0104WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.3  | 76.6  | 114.8 |
| 145     | 27.2  | 23.6  | 35.4  |

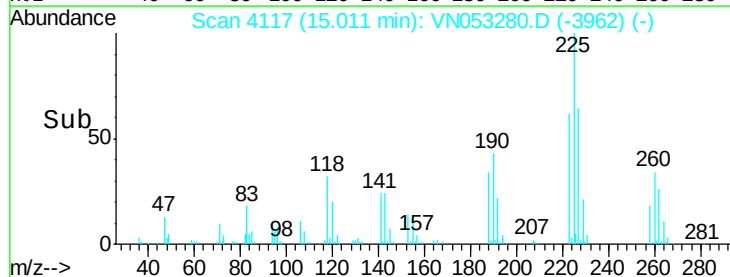
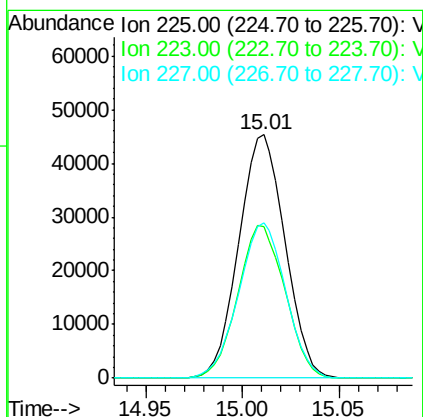
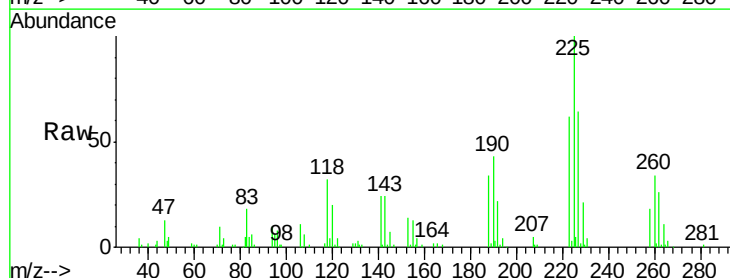
Manual Integrations  
 APPROVED

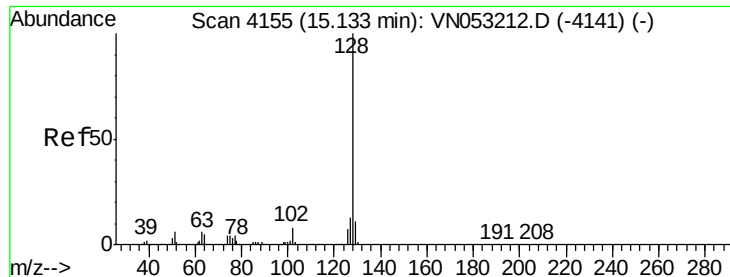
MMDadoda  
 1/7/2019 11:10:01 AM



#90  
 Hexachlorobutadiene  
 Concen: 15.740 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. -0.00 min  
 Lab File: VN053280.D  
 Acq: 4 Jan 2019 10:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.7  | 0.0   | 125.6 |
| 227     | 64.9  | 0.0   | 127.8 |





#91

Naphthalene

Concen: 7.128 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

Instrument :

MSVOA\_N

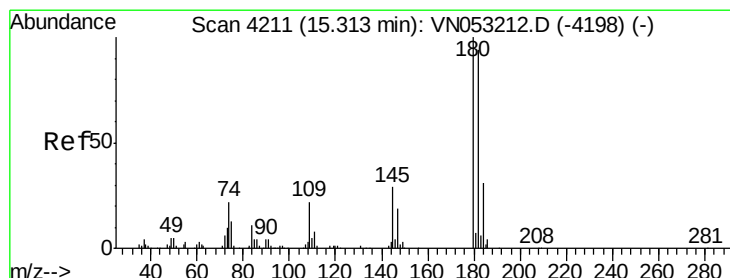
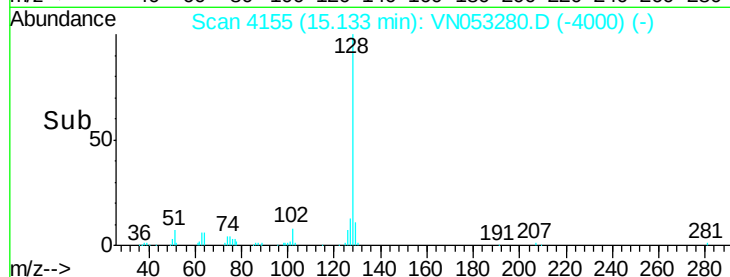
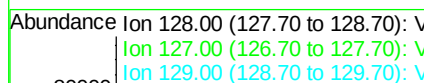
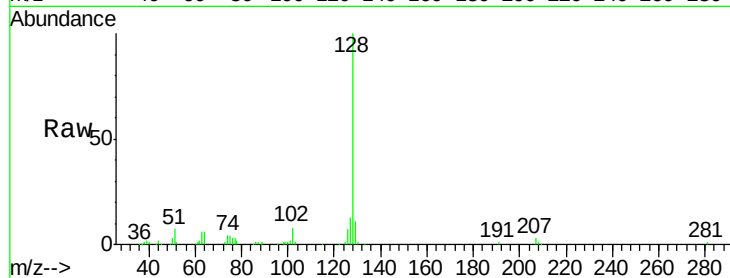
ClientSampleId :

VN0104WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 119611 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.0  | 9.9   | 14.9   |
| 129       | 11.1  | 8.5   | 12.7   |

Manual Integrations  
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MMDadoda  
1/7/2019 11:10:01 AM



#92

1,2,3-Trichlorobenzene

Concen: 6.611 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053280.D

Acq: 4 Jan 2019 10:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 46648 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 97.8  | 0.0   | 196.2 |
| 145       | 28.1  | 0.0   | 62.2  |

