

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041119\  
 Data File : VN054976.D  
 Acq On : 11 Apr 2019 14:26  
 Operator : JC/SP  
 Sample : VSTDIC005  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 4/12/2019 1:41:02 PM

Quant Time: Apr 12 07:47:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Apr 12 07:37:15 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.19  | 128  | 71772    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.58  | 114  | 389759   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 343421   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.02   | 65    | 165548   | 32.18    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 107.27% |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 147212   | 28.18    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 93.93%  |
| 63) Toluene-d8            | 10.09  | 98    | 499875   | 30.16    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 100.53% |

## Target Compounds

|                               |      |     |        |               | Ovalue |
|-------------------------------|------|-----|--------|---------------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 23330  | 6.475 ug/l    | 98     |
| 3) Chloromethane              | 2.06 | 50  | 31872  | 6.683 ug/l    | 93     |
| 4) Vinyl Chloride             | 2.19 | 62  | 27574  | 5.829 ug/l    | 96     |
| 5) Bromomethane               | 2.56 | 94  | 16201  | 5.600 ug/l    | 89     |
| 6) Chloroethane               | 2.71 | 64  | 15729  | 5.680 ug/l    | 93     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 34444  | 5.971 ug/l    | 97     |
| 8) Diethyl Ether              | 3.41 | 74  | 10641  | 5.005 ug/l    | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 19584  | 5.327 ug/l    | 97     |
| 10) 1,1-Dichloroethene        | 3.73 | 96  | 18523  | 5.406 ug/l    | 92     |
| 11) Methyl Iodide             | 3.94 | 142 | 24197  | 4.804 ug/l    | 90     |
| 12) Methyl Acetate            | 4.33 | 43  | 18363  | 6.235 ug/l    | 100    |
| 13) Acrolein                  | 3.60 | 56  | 9395   | 33.265 ug/l   | 88     |
| 14) Acrylonitrile             | 5.00 | 53  | 38950  | 28.110 ug/l   | 96     |
| 15) Acetone                   | 3.82 | 58  | 10269  | 25.596 ug/l   | 77     |
| 16) Carbon Disulfide          | 4.04 | 76  | 53572  | 4.844 ug/l    | 100    |
| 17) Allyl chloride            | 4.32 | 41  | 38106  | 6.206 ug/l    | 95     |
| 18) Methylene Chloride        | 4.55 | 84  | 27339  | 6.794 ug/l    | 95     |
| 19) trans-1,2-Dichloroethene  | 5.03 | 96  | 20974  | 5.595 ug/l #  | 87     |
| 20) Diisopropyl ether         | 5.95 | 45  | 80087m | 6.492 ug/l    |        |
| 21) 1,1-Dichloroethane        | 5.85 | 63  | 44510m | 6.118 ug/l    |        |
| 22) cis-1,2-Dichloroethene    | 6.83 | 96  | 25554  | 6.103 ug/l    | 96     |
| 23) tert-Butyl Alcohol        | 4.81 | 59  | 6164m  | 25.211 ug/l   |        |
| 24) Methyl tert-Butyl Ether   | 5.05 | 73  | 50810  | 5.474 ug/l    | 99     |
| 25) Chloroform                | 7.37 | 83  | 42434  | 6.051 ug/l    | 96     |
| 26) Cyclohexane               | 7.65 | 56  | 40763  | 6.190 ug/l #  | 99     |
| 29) 1,1-Dichloropropene       | 7.79 | 75  | 29995  | 5.607 ug/l    | 96     |
| 30) 2-Butanone                | 6.85 | 43  | 46047  | 27.311 ug/l # | 98     |
| 31) 2,2-Dichloropropane       | 6.82 | 77  | 27914  | 5.314 ug/l #  | 100    |
| 32) 1,1,1-Trichloroethane     | 7.56 | 97  | 32845  | 5.709 ug/l    | 100    |
| 33) Carbon Tetrachloride      | 7.77 | 117 | 29046  | 5.715 ug/l    | 91     |
| 34) Benzene                   | 8.04 | 78  | 93848  | 5.904 ug/l #  | 69     |
| 35) Methacrylonitrile         | 7.17 | 41  | 10124  | 5.263 ug/l    | 95     |
| 36) 1,2-Dichloroethane        | 8.12 | 62  | 33237  | 6.439 ug/l    | 100    |
| 37) Trichloroethene           | 8.83 | 130 | 24289  | 5.835 ug/l    | 93     |
| 38) Methylcyclohexane         | 9.08 | 83  | 36865  | 5.846 ug/l    | 98     |
| 39) 1,2-Dichloropropane       | 9.12 | 63  | 25490  | 5.830 ug/l    | 98     |
| 40) Dibromomethane            | 9.21 | 93  | 15017  | 6.010 ug/l    | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041119\  
 Data File : VN054976.D  
 Acq On : 11 Apr 2019 14:26  
 Operator : JC/SP  
 Sample : VSTDIC005  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 4/12/2019 1:41:02 PM

Quant Time: Apr 12 07:47:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Apr 12 07:37:15 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| -----                          |       |      |          |         |        |          |
| 41) Bromodichloromethane       | 9.40  | 83   | 28601    | 5.421   | ug/l   | 97       |
| 42) Vinyl Acetate              | 5.90  | 43   | 232716   | 26.972  | ug/l   | 100      |
| 43) Ethyl Acetate              | 6.94  | 43   | 20464    | 5.812   | ug/l # | 77       |
| 44) Isopropyl Acetate          | 8.17  | 43   | 32041    | 5.221   | ug/l   | 95       |
| 45) 1,4-Dioxane                | 9.20  | 88   | 3737     | 114.551 | ug/l # | 86       |
| 46) Methyl methacrylate        | 9.20  | 41   | 15591    | 5.279   | ug/l   | 92       |
| 47) n-amyl Acetate             | 12.07 | 43   | 18658    | 4.210   | ug/l   | 97       |
| 48) t-1,3-Dichloropropene      | 10.38 | 75   | 22257    | 4.282   | ug/l   | 97       |
| 49) cis-1,3-Dichloropropene    | 9.84  | 75   | 29733    | 4.834   | ug/l   | 97       |
| 50) 1,1,2-Trichloroethane      | 10.56 | 97   | 19570    | 5.605   | ug/l   | 94       |
| 51) Ethyl methacrylate         | 10.43 | 69   | 20454    | 4.977   | ug/l   | 95       |
| 52) 1,3-Dichloropropane        | 10.71 | 76   | 32710    | 5.473   | ug/l   | 99       |
| 53) Dibromochloromethane       | 10.90 | 129  | 17813    | 4.701   | ug/l   | 97       |
| 54) 1,2-Dibromoethane          | 11.00 | 107  | 17123    | 5.206   | ug/l   | 94       |
| 55) 2-Chloroethyl vinyl ether  | 9.69  | 63   | 37479    | 19.834  | ug/l   | 100      |
| 56) Bromoform                  | 12.12 | 173  | 10808    | 4.340   | ug/l # | 93       |
| 58) 4-Methyl-2-Pentanone       | 9.99  | 43   | 90353    | 26.983  | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.75 | 43   | 54593    | 24.945  | ug/l   | 99       |
| 61) Tetrachloroethene          | 10.63 | 164  | 24315    | 5.765   | ug/l   | 97       |
| 62) Toluene                    | 10.15 | 91   | 99151    | 5.886   | ug/l   | 100      |
| 64) Chlorobenzene              | 11.43 | 112  | 56949    | 5.541   | ug/l   | 96       |
| 65) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 19705    | 5.252   | ug/l   | 95       |
| 66) Ethyl Benzene              | 11.51 | 91   | 102142   | 5.802   | ug/l   | 99       |
| 67) m/p-Xylenes                | 11.62 | 106  | 73540    | 11.146  | ug/l   | 99       |
| 68) o-Xylene                   | 11.94 | 106  | 37126    | 5.782   | ug/l   | 95       |
| 69) Styrene                    | 11.96 | 104  | 54988    | 5.466   | ug/l   | 99       |
| 70) Isopropylbenzene           | 12.25 | 105  | 99721    | 5.914   | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 22761    | 5.510   | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane     | 12.55 | 75   | 18834m   | 5.969   | ug/l   |          |
| 73) Bromobenzene               | 12.52 | 156  | 22373    | 5.296   | ug/l   | 98       |
| 74) n-propylbenzene            | 12.59 | 91   | 103373   | 5.177   | ug/l   | 100      |
| 75) 2-Chlorotoluene            | 12.67 | 91   | 65698    | 5.598   | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 79217    | 5.574   | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene    | 12.29 | 75   | 3677     | 3.430   | ug/l   | 93       |
| 78) 4-Chlorotoluene            | 12.77 | 91   | 56542    | 4.855   | ug/l   | 99       |
| 79) tert-butylbenzene          | 12.99 | 119  | 68512    | 5.489   | ug/l   | 100      |
| 80) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 73972    | 5.264   | ug/l   | 99       |
| 81) sec-Butylbenzene           | 13.17 | 105  | 89372    | 5.243   | ug/l   | 99       |
| 82) p-Isopropyltoluene         | 13.29 | 119  | 72772    | 5.017   | ug/l   | 97       |
| 83) 1,3-Dichlorobenzene        | 13.28 | 146  | 33434    | 4.527   | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene        | 13.36 | 146  | 30202    | 4.293   | ug/l   | 99       |
| 85) n-Butylbenzene             | 13.61 | 91   | 50722    | 4.086   | ug/l   | 99       |
| 86) Hexachloroethane           | 13.87 | 117  | 11034    | 4.088   | ug/l   | 98       |
| 87) 1,2-Dichlorobenzene        | 13.65 | 146  | 33827    | 4.719   | ug/l   | 98       |
| 88) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 2381     | 4.081   | ug/l   | 87       |
| 89) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 9687     | 2.762   | ug/l   | 96       |
| 90) Hexachlorobutadiene        | 15.01 | 225  | 12768    | 4.815   | ug/l   | 95       |
| 91) Naphthalene                | 15.13 | 128  | 19772    | 2.841   | ug/l # | 92       |
| 92) 1,2,3-Trichlorobenzene     | 15.31 | 180  | 11434    | 3.270   | ug/l   | 98       |
| -----                          |       |      |          |         |        |          |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041119\  
Data File : VN054976.D  
Acq On : 11 Apr 2019 14:26  
Operator : JC/SP  
Sample : VSTDICC005  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

Manual Integrations  
APPROVED

MMDadoda  
4/12/2019 1:41:02 PM

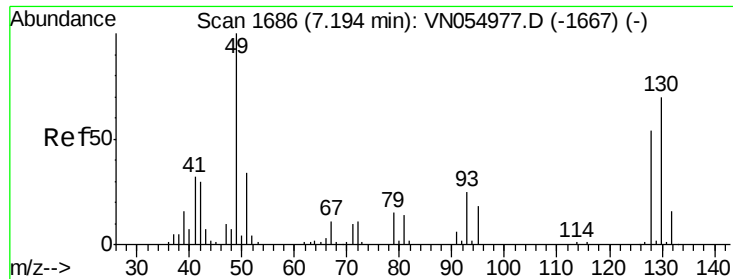
Quant Time: Apr 12 07:47:31 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Apr 12 07:37:15 2019  
Response via : Initial Calibration

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

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





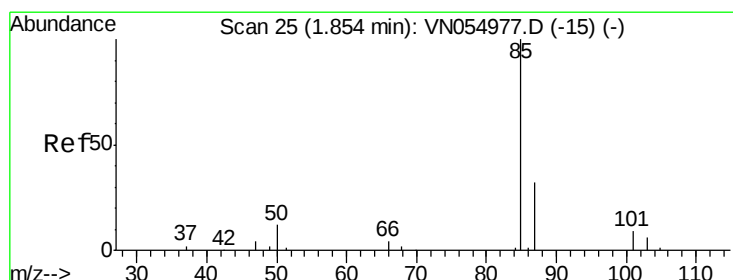
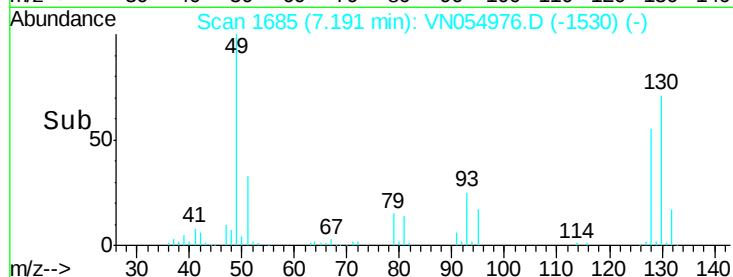
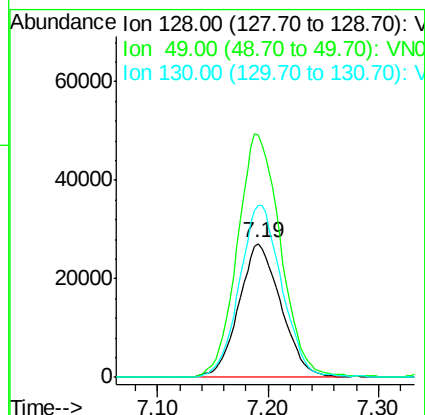
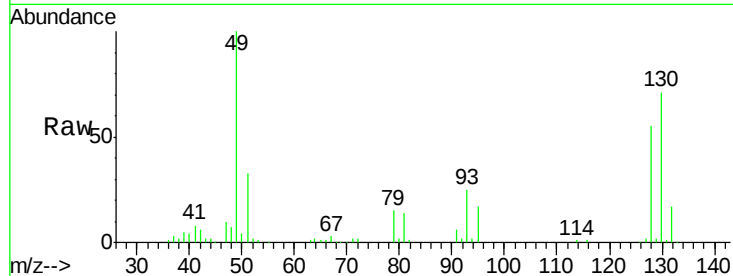
#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.19 min Scan# 1685  
Delta R.T. -0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 49      | 185.6 | 0.0   | 480.3 |
| 130     | 129.3 | 0.0   | 322.2 |

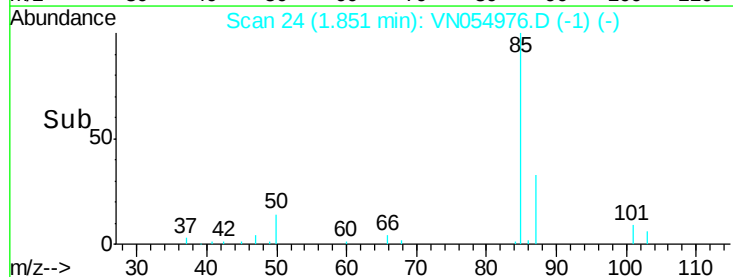
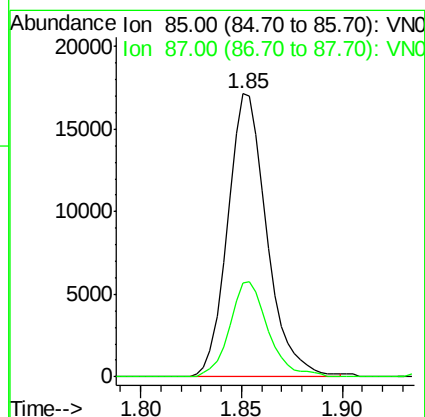
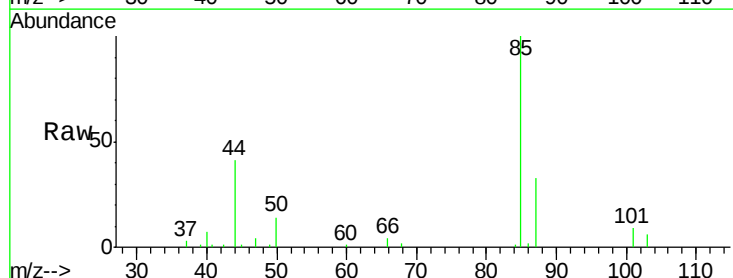
Manual Integrations  
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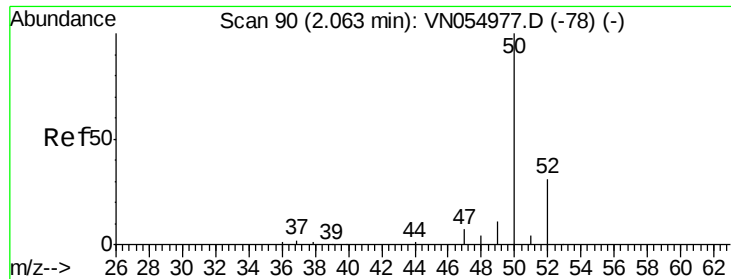
MMDadoda  
4/12/2019 1:41:02 PM



#2  
Dichlorodifluoromethane  
Concen: 6.475 ug/l  
RT: 1.85 min Scan# 24  
Delta R.T. -0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 33.0  | 16.1  | 48.3  |





#3

Chloromethane

Concen: 6.683 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC005

Tot Ion: 50 Resp: 31872

Ion Ratio Lower Upper

50 100

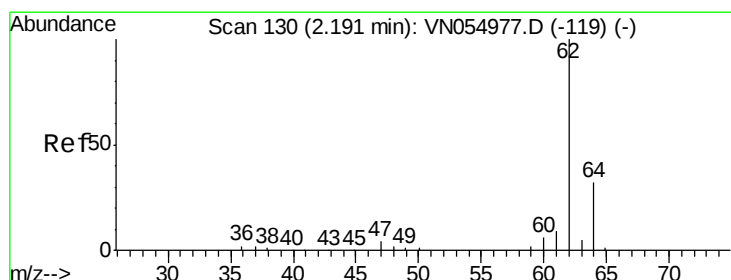
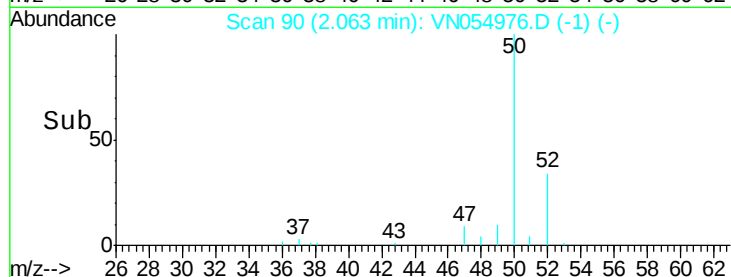
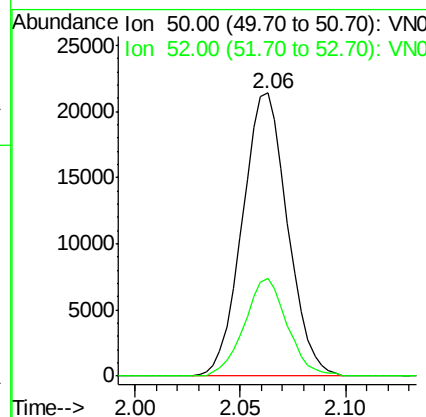
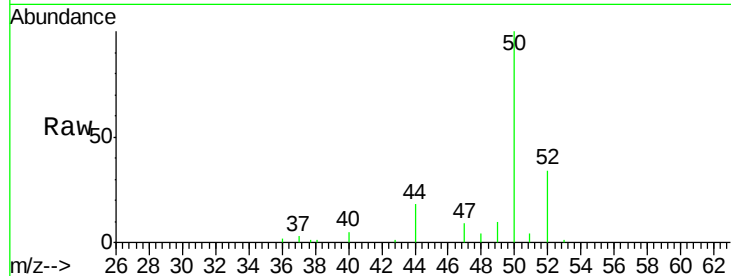
52 34.3 24.5 36.7

Manual Integrations

APPROVED

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4/12/2019 1:41:02 PM



#4

Vinyl Chloride

Concen: 5.829 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054976.D

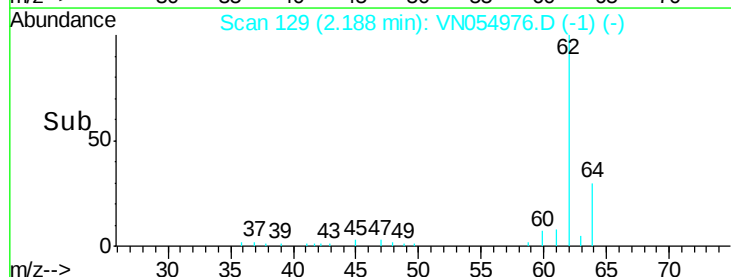
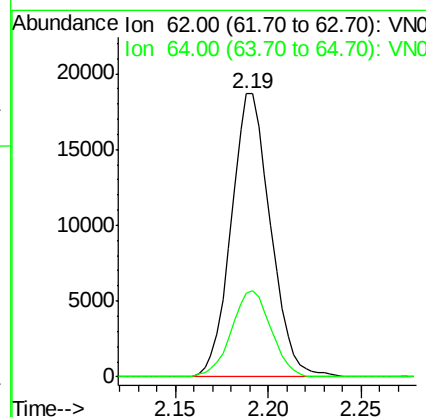
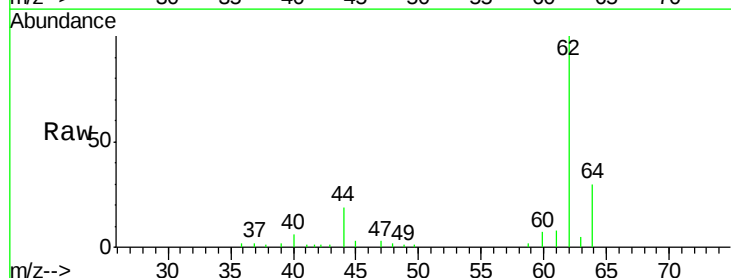
Acq: 11 Apr 2019 14:26

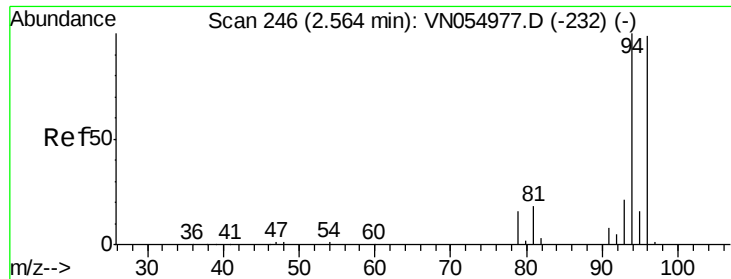
Tgt Ion: 62 Resp: 27574

Ion Ratio Lower Upper

62 100

64 29.8 25.6 38.4





#5

Bromomethane

Concen: 5.600 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 16201

Ion Ratio Lower Upper

94 100

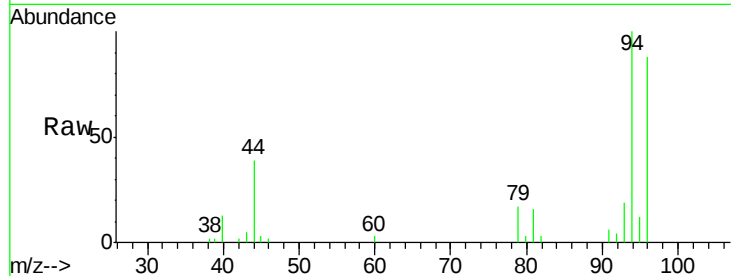
96 88.1 79.1 118.7

Manual Integrations

APPROVED

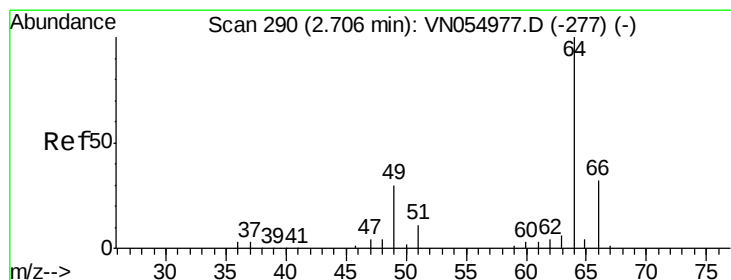
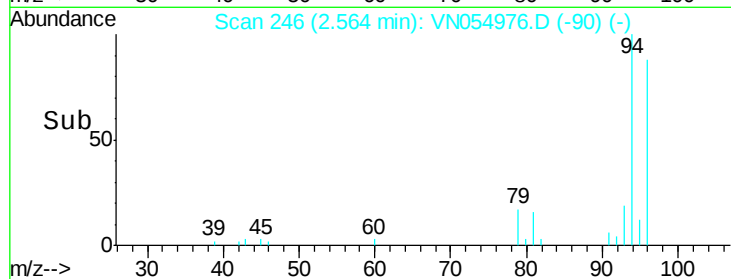
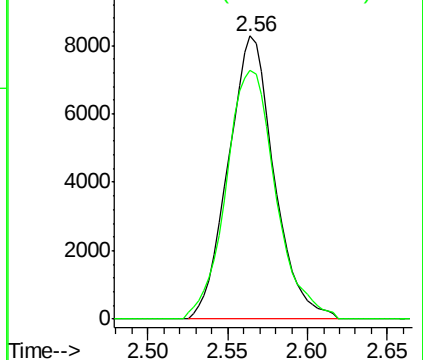
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4/12/2019 1:41:02 PM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 5.680 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN054976.D

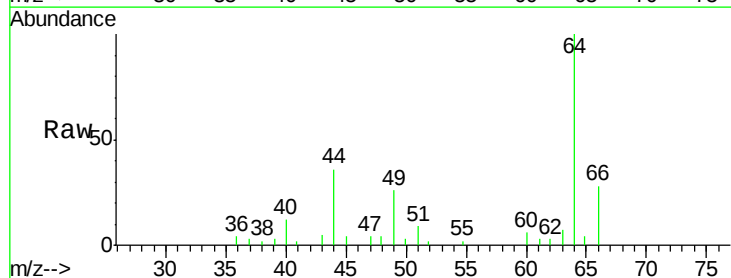
Acq: 11 Apr 2019 14:26

Tgt Ion: 64 Resp: 15729

Ion Ratio Lower Upper

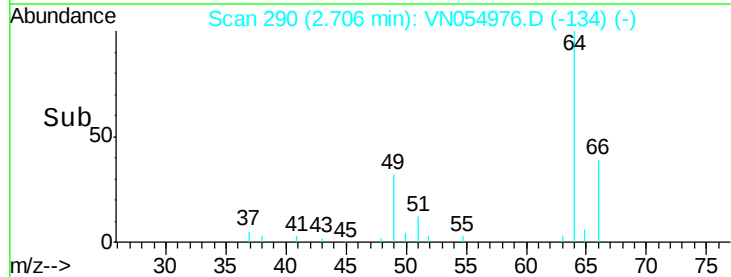
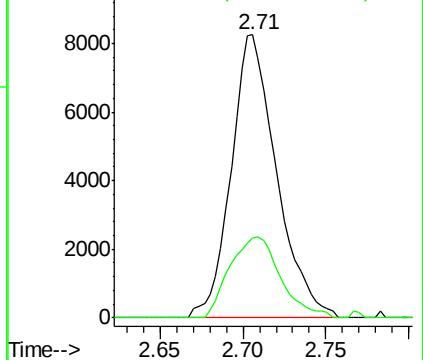
64 100

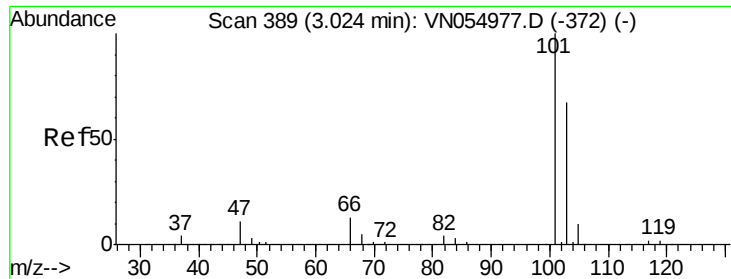
66 28.4 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

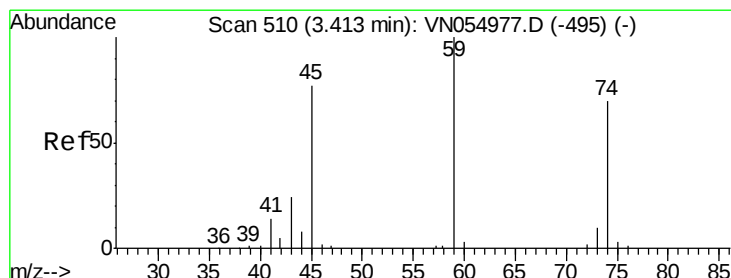
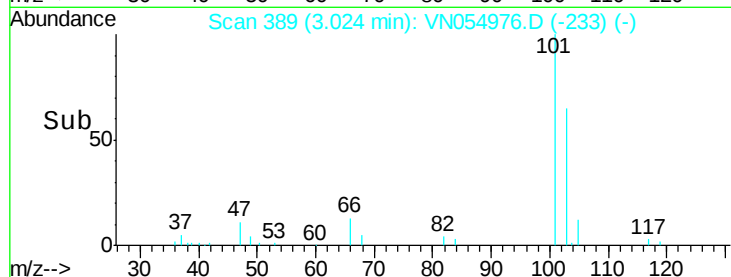
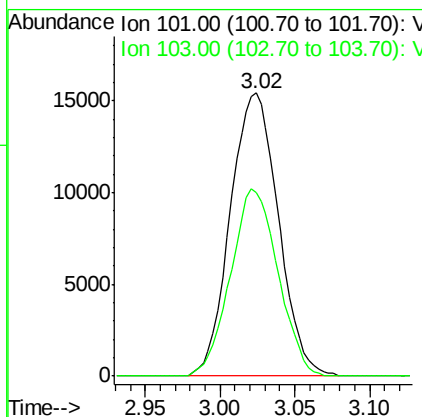
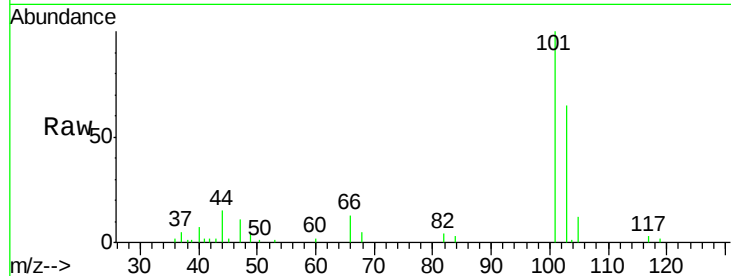
Trichlorofluoromethane  
 Concen: 5.971 ug/l  
 RT: 3.02 min Scan# 389  
 Delta R.T. 0.00 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Tot Ion:101 Resp: 34444  
 Ion Ratio Lower Upper  
 101 100  
 103 64.7 53.4 80.0

Manual Integrations  
 APPROVED

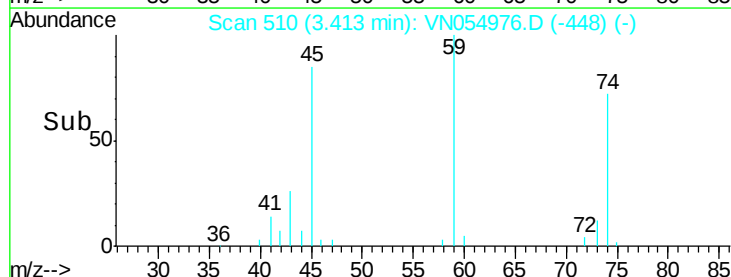
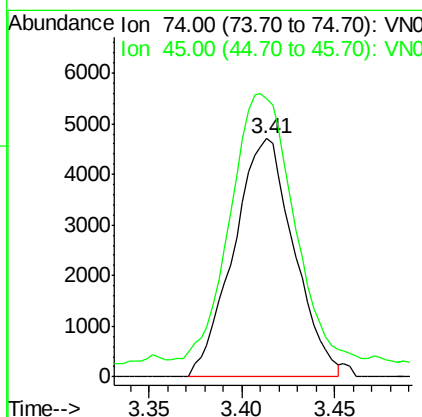
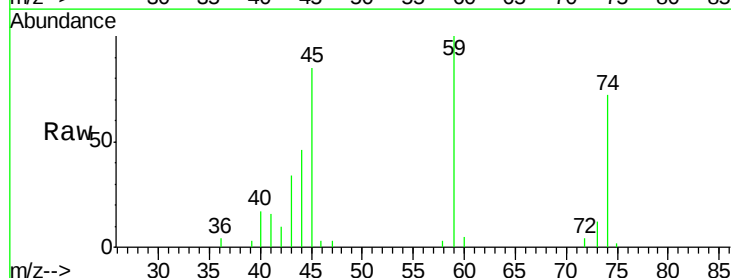
MMDadoda  
 4/12/2019 1:41:02 PM

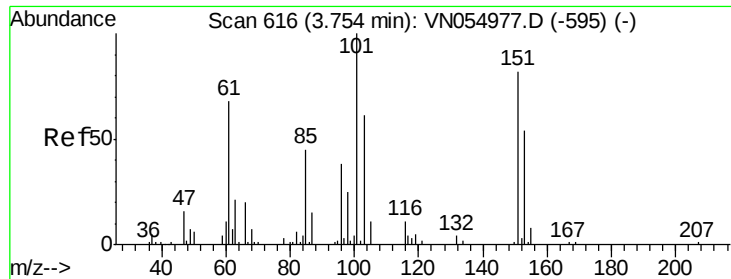


#8

Diethyl Ether  
 Concen: 5.005 ug/l  
 RT: 3.41 min Scan# 510  
 Delta R.T. 0.00 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

Tgt Ion: 74 Resp: 10641  
 Ion Ratio Lower Upper  
 74 100  
 45 115.8 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.327 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

Instrument :

MSVOA\_N

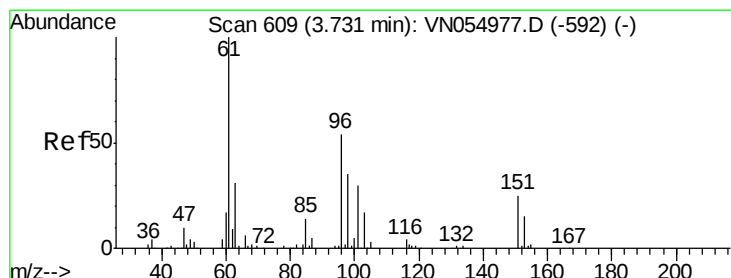
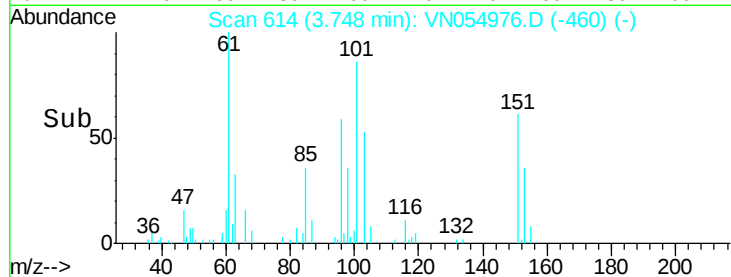
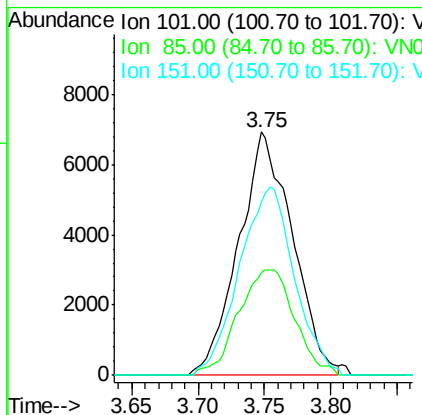
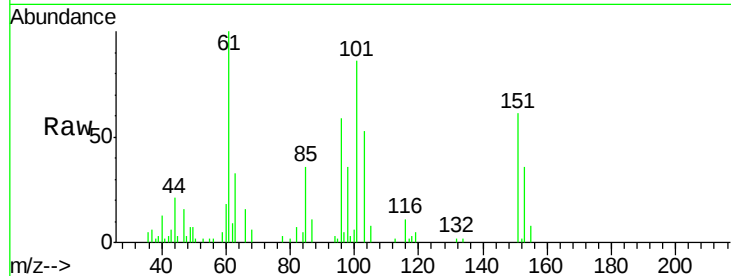
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 19584 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.0  | 0.0   | 91.4  |
| 151       | 79.0  | 0.0   | 165.6 |

Manual Integrations  
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4/12/2019 1:41:02 PM



#10

1,1-Dichloroethene

Concen: 5.406 ug/l

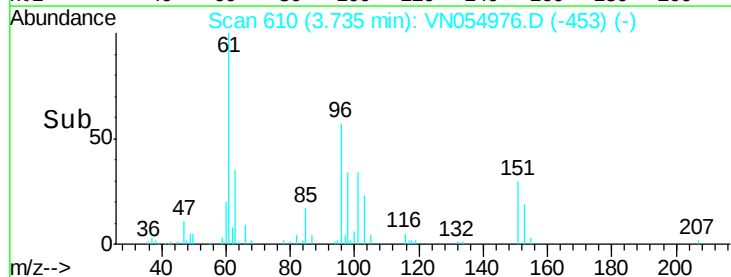
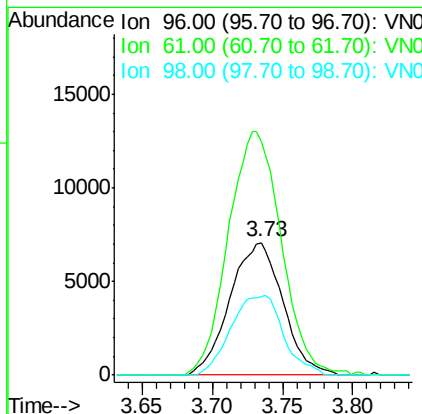
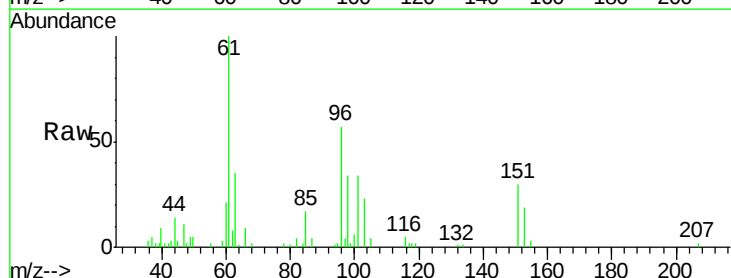
RT: 3.73 min Scan# 610

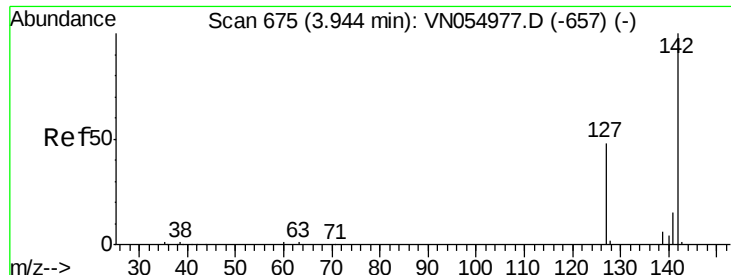
Delta R.T. 0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 18523 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 173.7 | 148.4 | 222.6 |
| 98        | 59.5  | 52.2  | 78.2  |





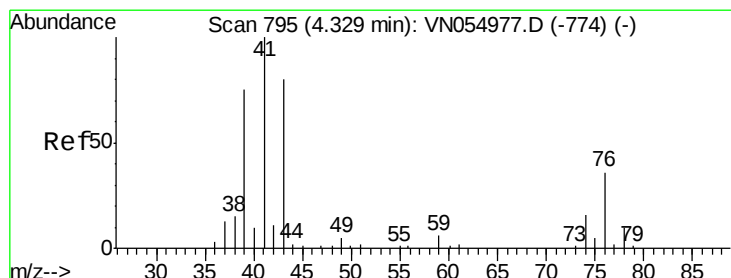
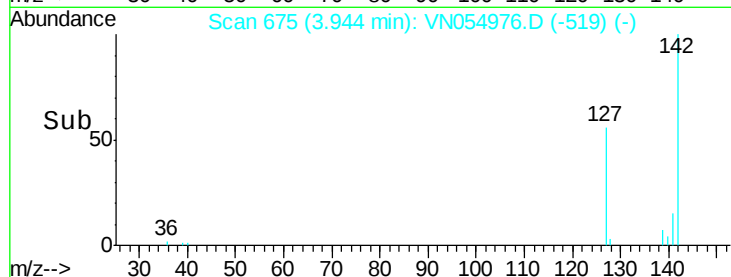
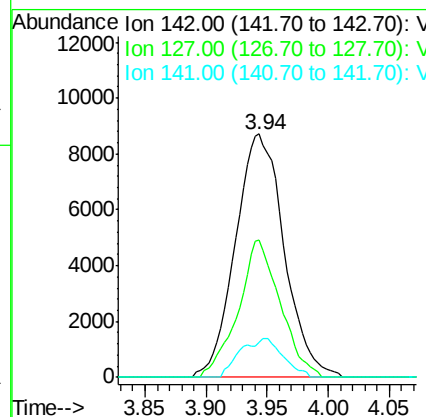
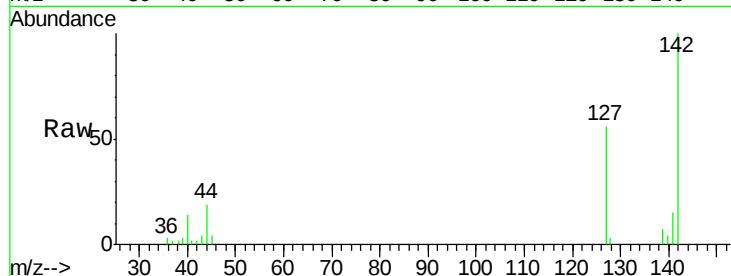
#11  
Methvl Iodide  
Concen: 4.804 ug/l  
RT: 3.94 min Scan# 675  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 56.4  | 23.8  | 71.5  |
| 141     | 14.6  | 7.3   | 22.0  |

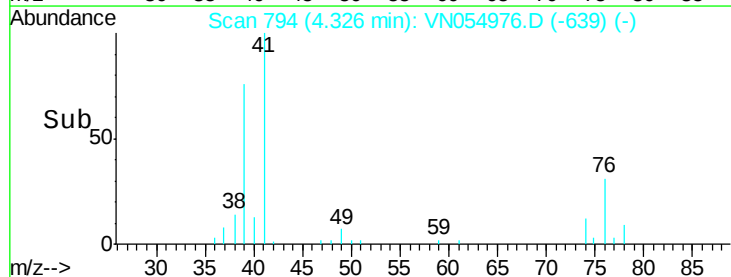
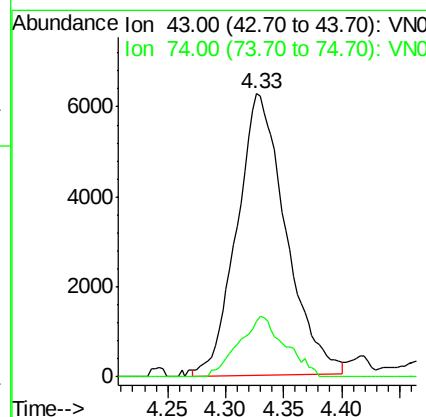
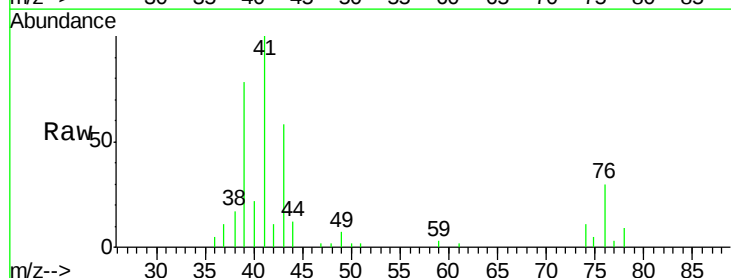
Manual Integrations  
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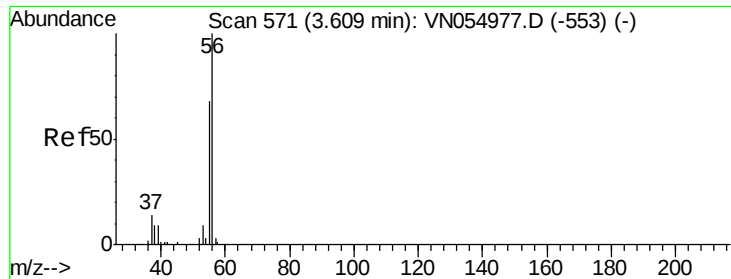
MMDadoda  
4/12/2019 1:41:02 PM



#12  
Methyl Acetate  
Concen: 6.235 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. -0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 20.4  | 16.2  | 24.4  |





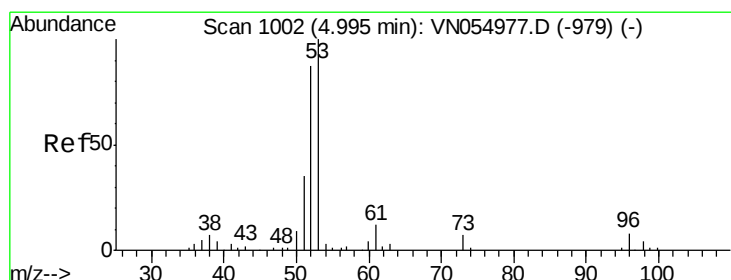
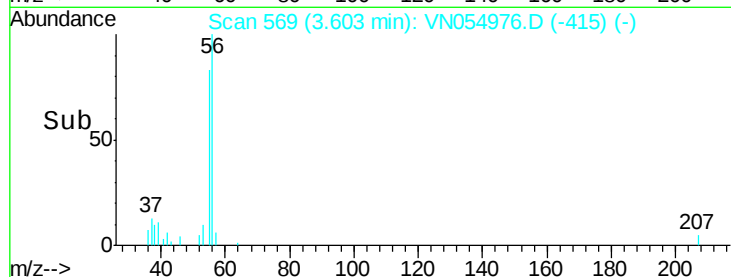
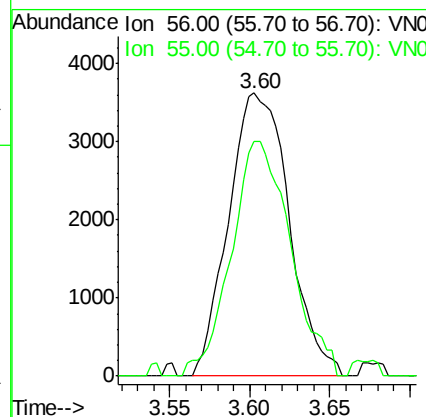
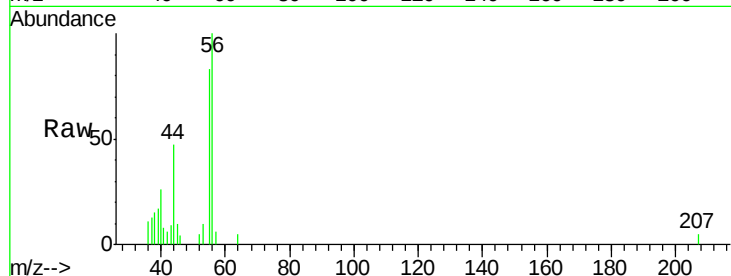
#13  
Acrolein  
Concen: 33.265 ug/l  
RT: 3.60 min Scan# 569  
Delta R.T. -0.01 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

| Tot Ion | 56  | 55   | Ratio | Lower | Upper |
|---------|-----|------|-------|-------|-------|
| 9395    | 100 | 81.1 |       | 57.0  | 85.4  |

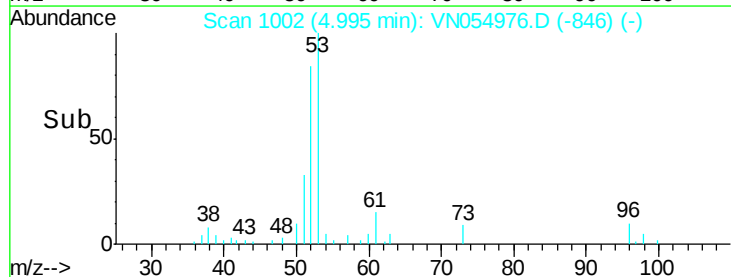
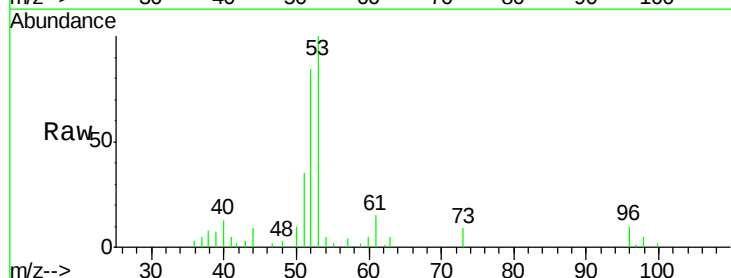
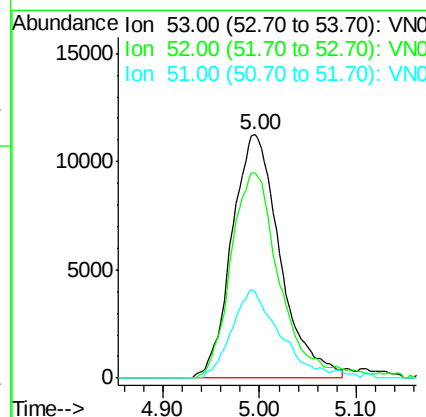
Manual Integrations  
APPROVED

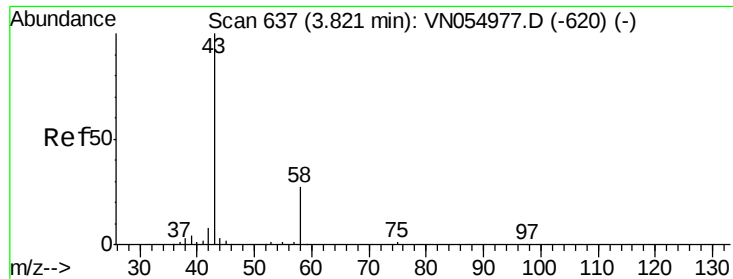
MMDadoda  
4/12/2019 1:41:02 PM



#14  
Acrylonitrile  
Concen: 28.110 ug/l  
RT: 5.00 min Scan# 1002  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

| Tgt Ion | 53  | 52   | 51   | Ratio | Lower | Upper |
|---------|-----|------|------|-------|-------|-------|
| 38950   | 100 | 81.3 | 35.0 |       | 42.3  | 126.8 |
|         |     |      |      |       | 18.6  | 56.0  |





#15

Acetone

Concen: 25.596 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 10269

Ion Ratio Lower Upper

58 100

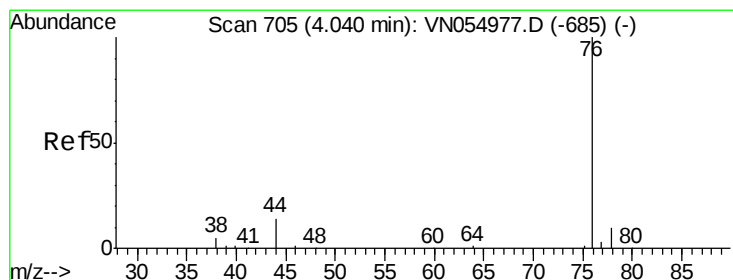
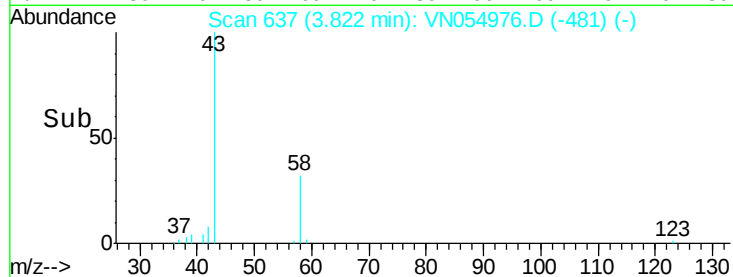
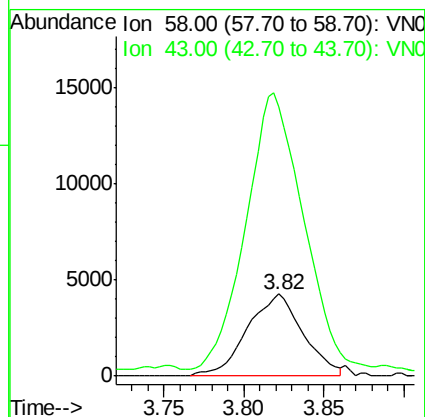
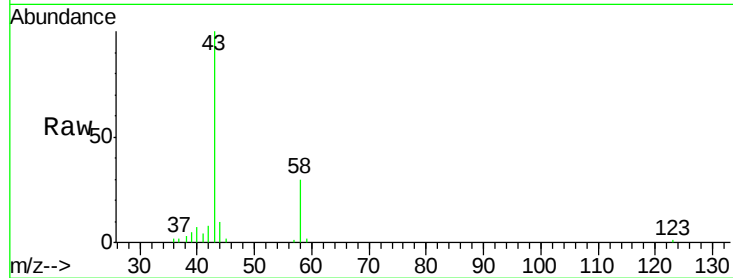
43 320.2 297.2 445.8

Manual Integrations

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4/12/2019 1:41:02 PM



#16

Carbon Disulfide

Concen: 4.844 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN054976.D

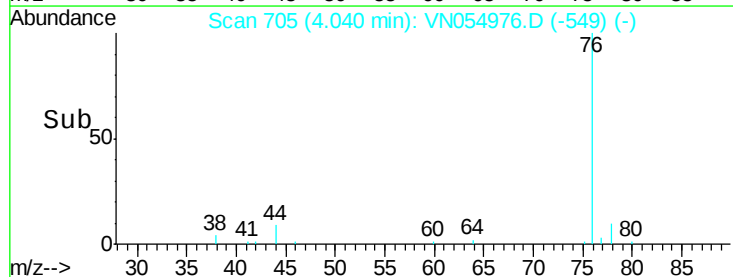
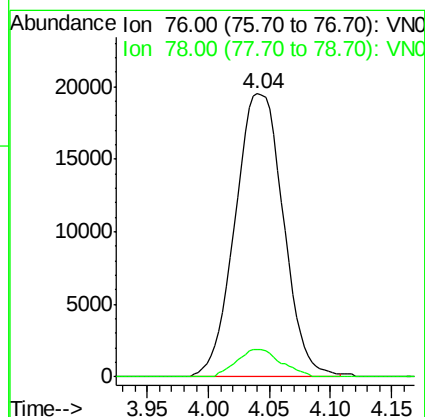
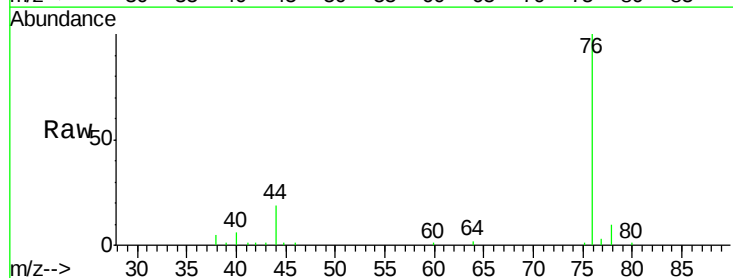
Acq: 11 Apr 2019 14:26

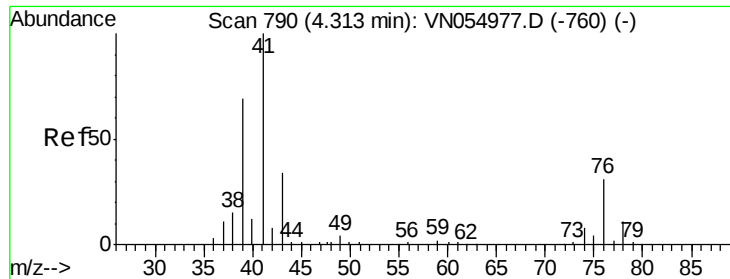
Tgt Ion: 76 Resp: 53572

Ion Ratio Lower Upper

76 100

78 9.8 7.8 11.6





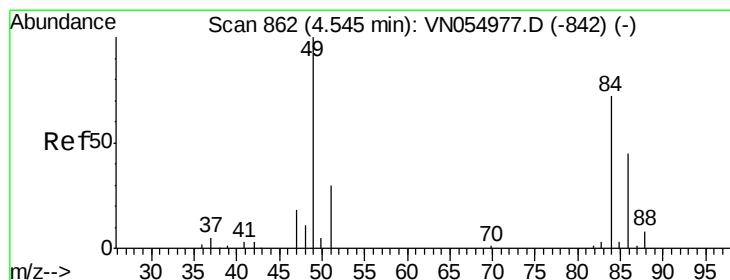
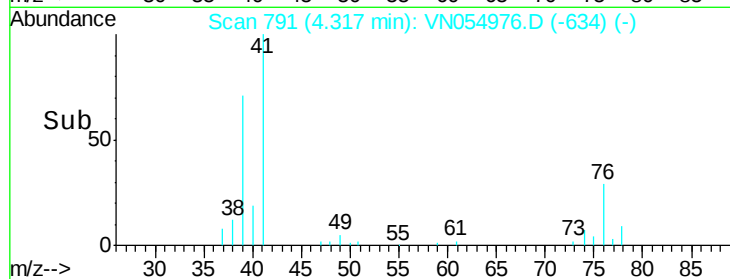
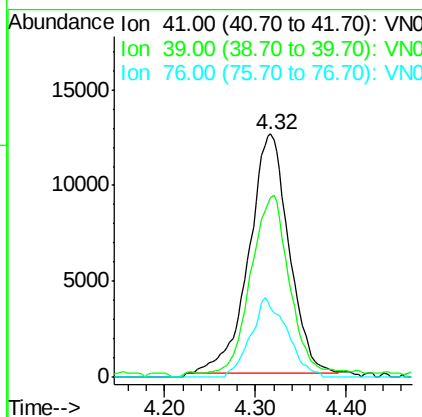
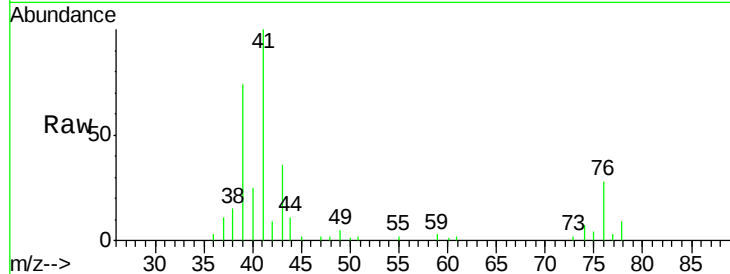
#17  
Allvl chloride  
Concen: 6.206 ug/l  
RT: 4.32 min Scan# 791  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 72.7  | 34.3  | 102.9 |
| 76      | 28.9  | 15.8  | 47.3  |

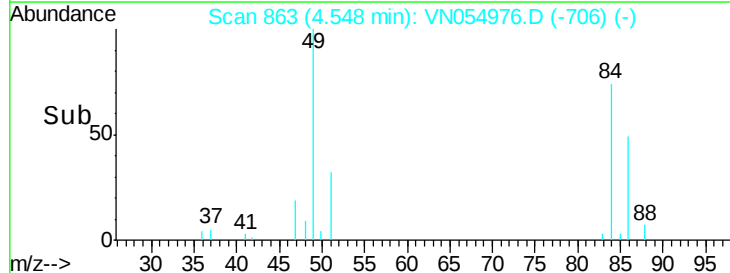
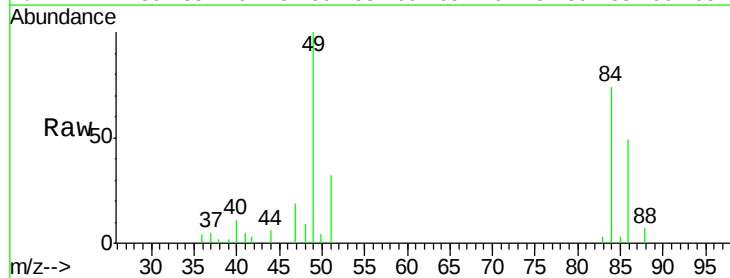
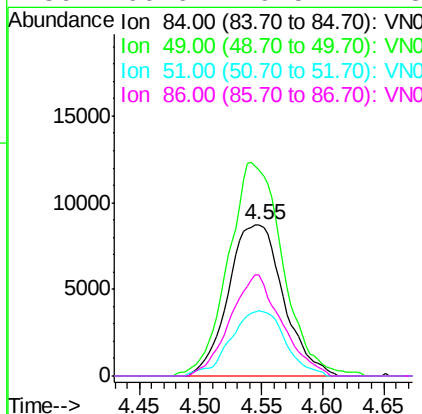
Manual Integrations  
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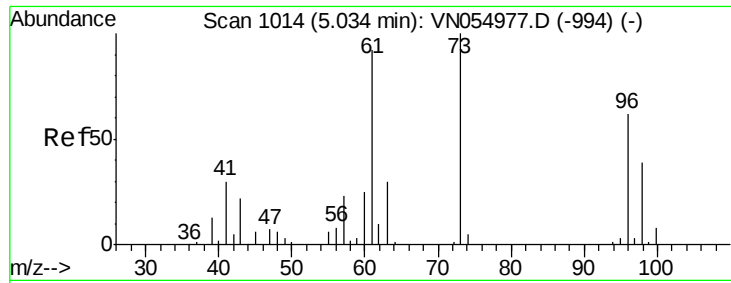
MMDadoda  
4/12/2019 1:41:02 PM



#18  
Methylene Chloride  
Concen: 6.794 ug/l  
RT: 4.55 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 131.8 | 111.0 | 166.4 |
| 51      | 42.9  | 33.4  | 50.2  |
| 86      | 66.6  | 49.5  | 74.3  |





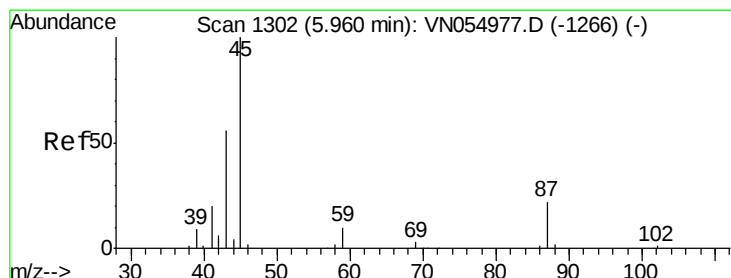
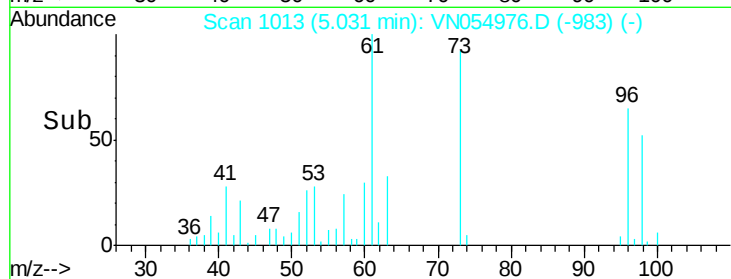
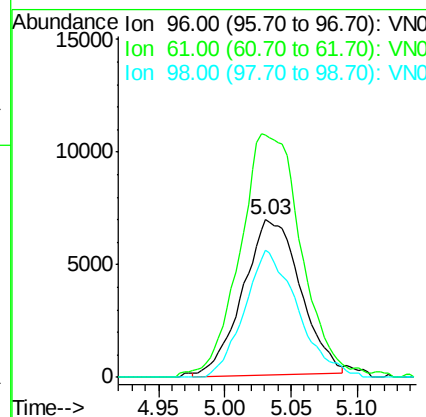
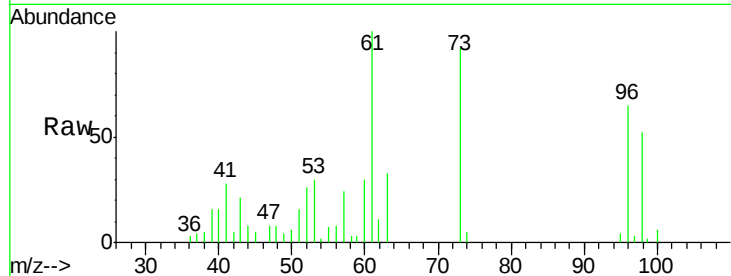
#19  
trans-1,2-Dichloroethene  
Concen: 5.595 ug/l  
RT: 5.03 min Scan# 1013  
Delta R.T. -0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 153.0 | 117.2 | 175.8 |
| 98      | 85.1  | 49.4  | 74.2# |

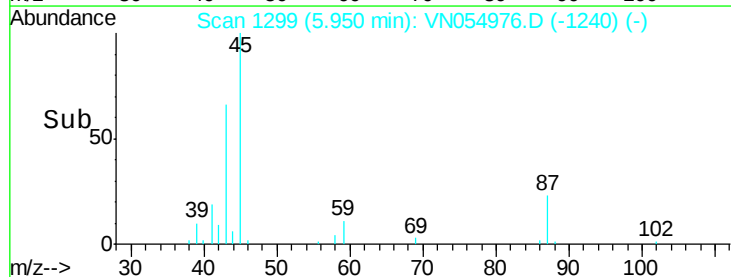
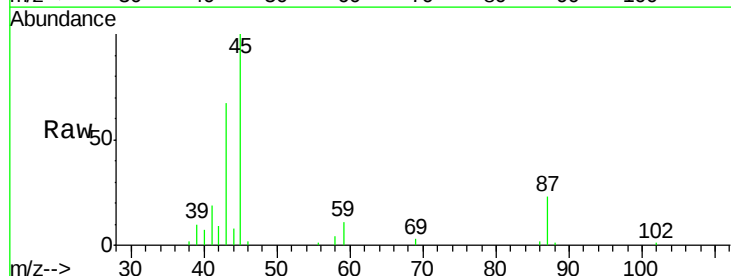
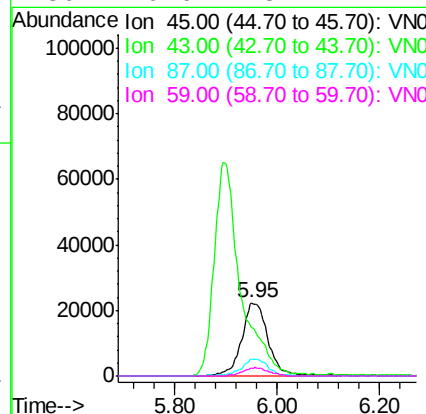
Manual Integrations  
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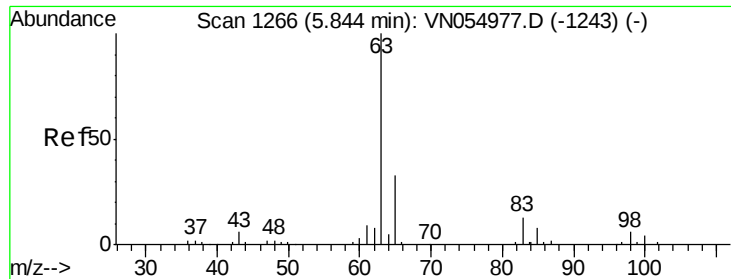
MMDadoda  
4/12/2019 1:41:02 PM



#20  
Diisopropyl ether  
Concen: 6.492 ug/l m  
RT: 5.95 min Scan# 1299  
Delta R.T. -0.01 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 67.0  | 45.8  | 68.8  |
| 87      | 23.2  | 18.2  | 27.4  |
| 59      | 10.6  | 8.2   | 12.2  |





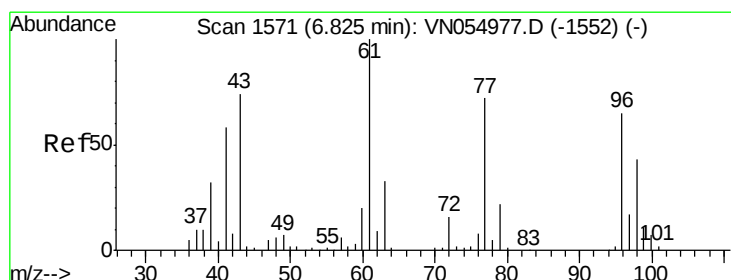
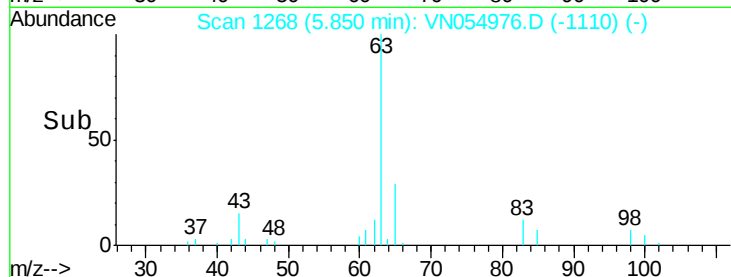
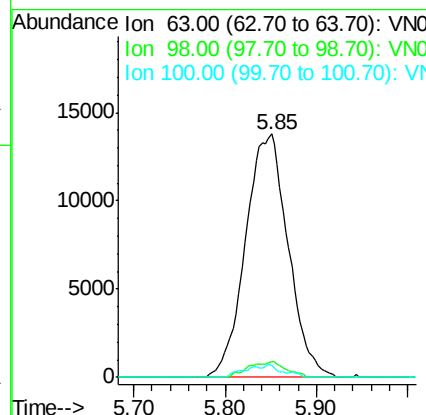
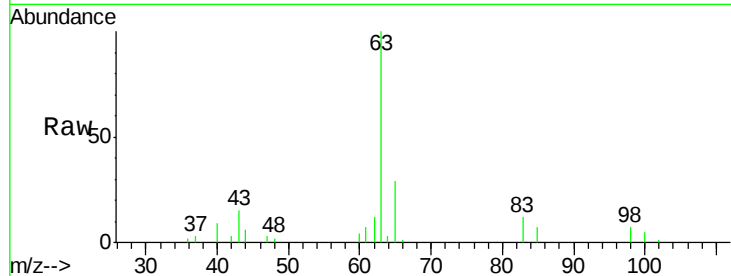
#21  
 1,1-Dichloroethane  
 Concen: 6.118 ug/l m  
 RT: 5.85 min Scan# 1268  
 Delta R.T. 0.01 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 98      | 6.5   | 2.9   | 8.7   |
| 100     | 5.0   | 2.0   | 5.8   |

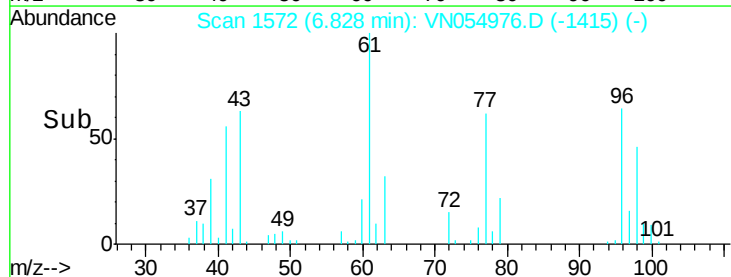
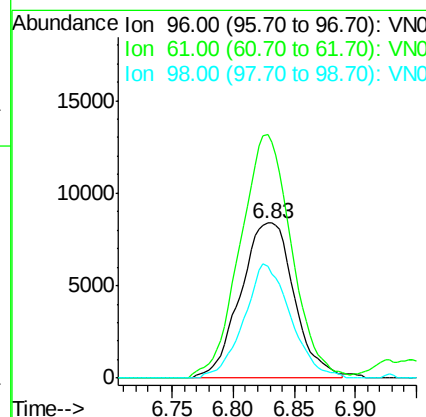
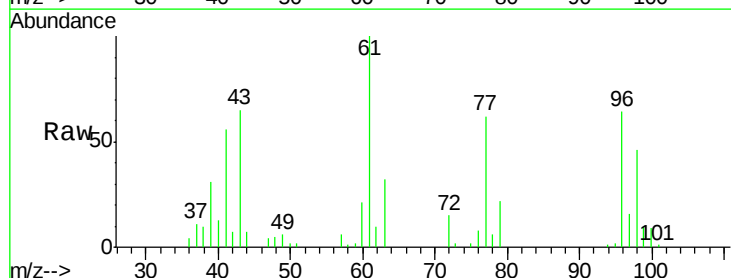
Manual Integrations  
 APPROVED

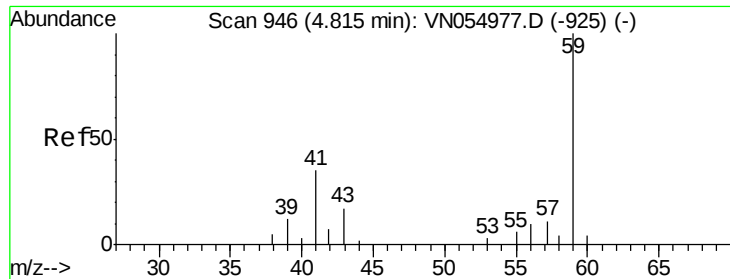
MMDadoda  
 4/12/2019 1:41:02 PM



#22  
 cis-1,2-Dichloroethene  
 Concen: 6.103 ug/l  
 RT: 6.83 min Scan# 1572  
 Delta R.T. 0.00 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 150.0 | 125.0 | 187.6 |
| 98      | 64.2  | 52.2  | 78.2  |





#23

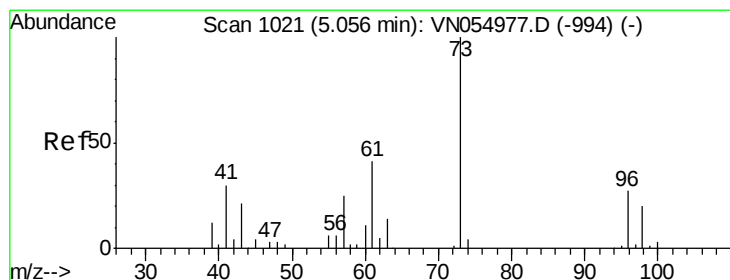
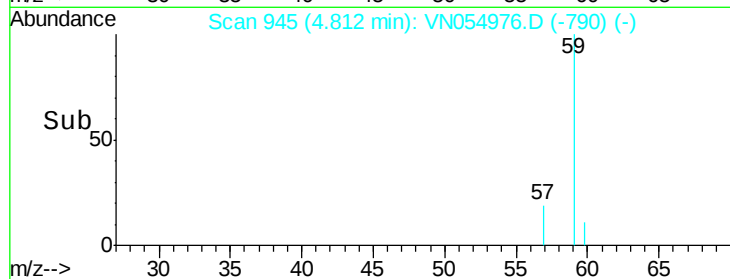
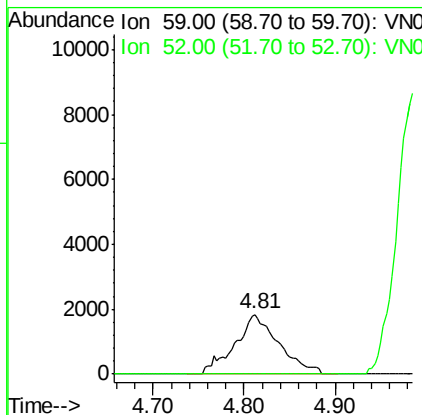
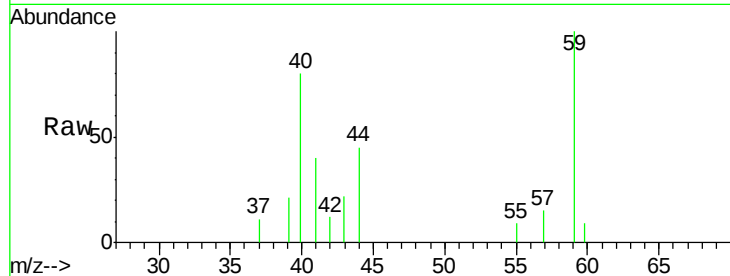
tert-Butyl Alcohol  
 Concen: 25.211 ug/l m  
 RT: 4.81 min Scan# 945  
 Delta R.T. -0.00 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

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

Manual Integrations  
 APPROVED

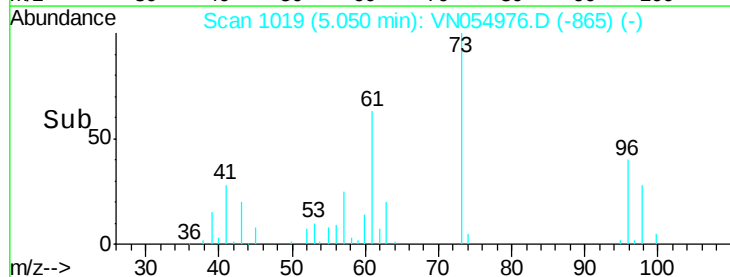
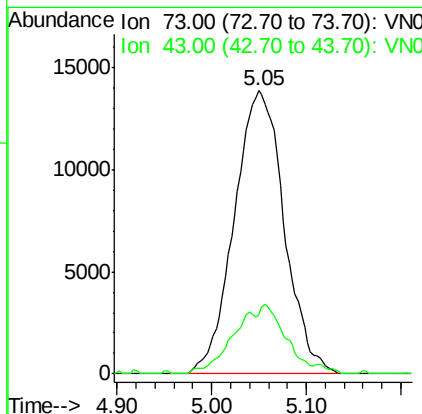
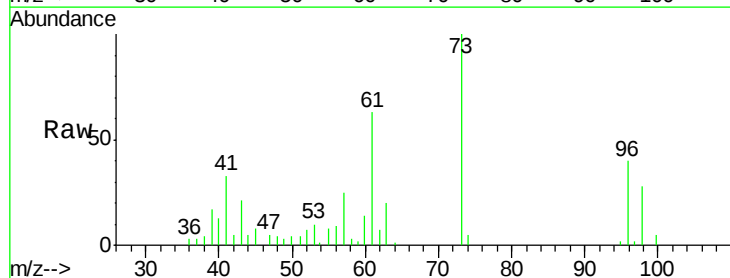
MMDadoda  
 4/12/2019 1:41:02 PM

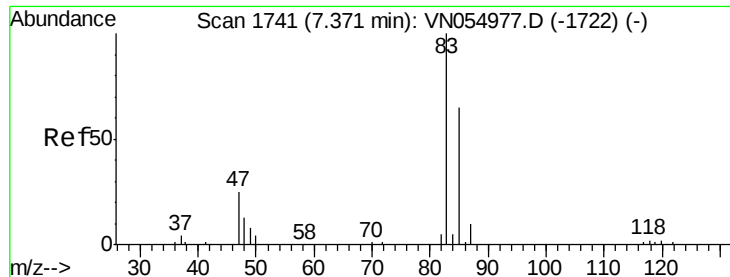


#24

Methyl tert-Butyl Ether  
 Concen: 5.474 ug/l  
 RT: 5.05 min Scan# 1019  
 Delta R.T. -0.01 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 43      | 9.5   | 8.0   | 12.0  |





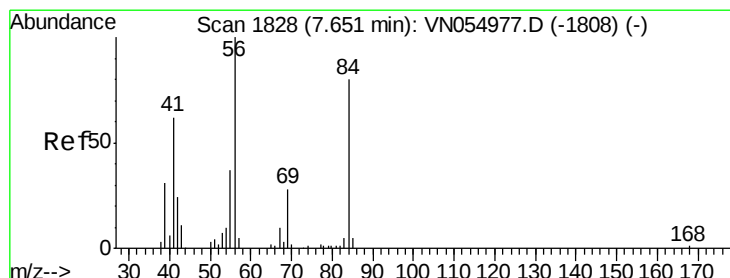
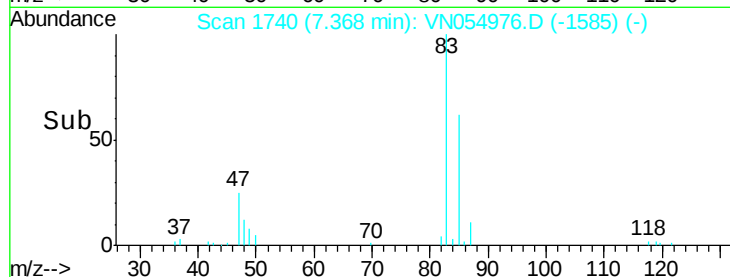
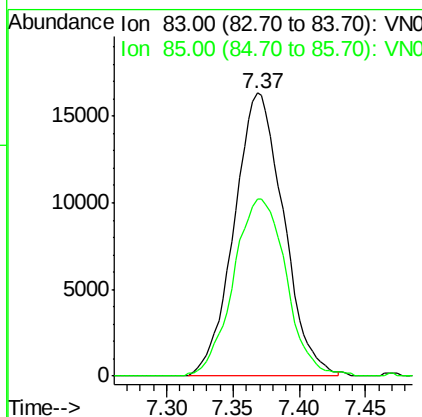
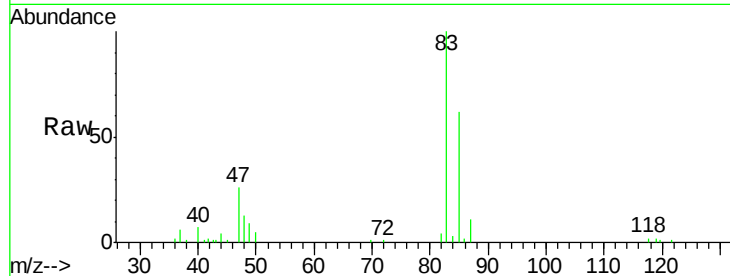
#25  
Chloroform  
Concen: 6.051 ug/l  
RT: 7.37 min Scan# 1740  
Delta R.T. -0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

| Tot Ion   | 83   | Resp  | 42434 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 61.4 | 51.8  | 77.8  |

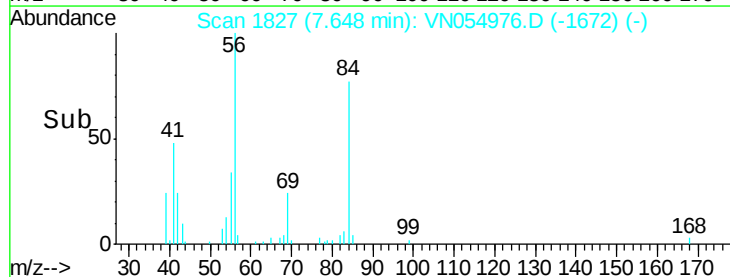
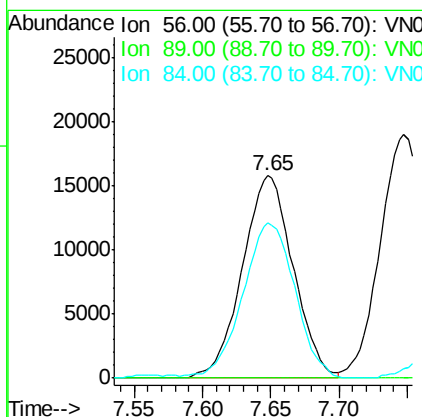
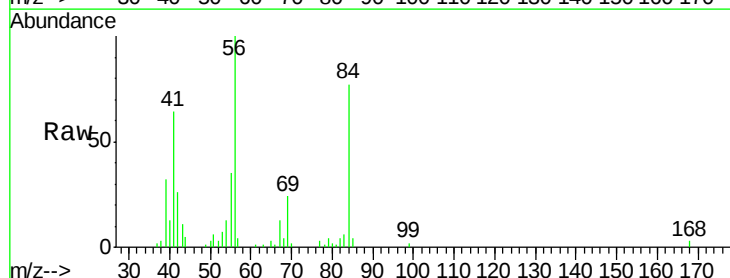
Manual Integrations  
APPROVED

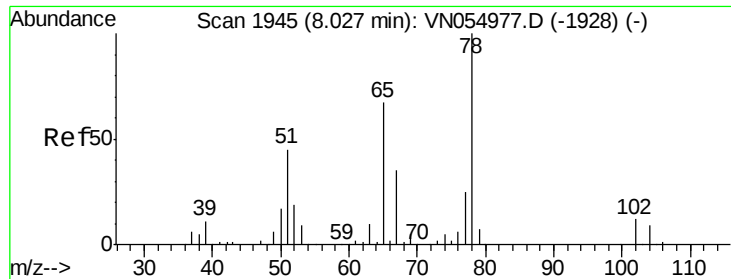
MMDadoda  
4/12/2019 1:41:02 PM



#26  
Cyclohexane  
Concen: 6.190 ug/l  
RT: 7.65 min Scan# 1827  
Delta R.T. -0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

| Tgt Ion   | 56   | Resp  | 40763 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 56        | 100  |       |       |
| 89        | 0.0  | 0.0   | 0.0   |
| 84        | 78.5 | 63.5  | 95.3  |





#27

1,2-Dichloroethane-d4

Concen: 6.190 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 165548

Ion Ratio Lower Upper

65 100

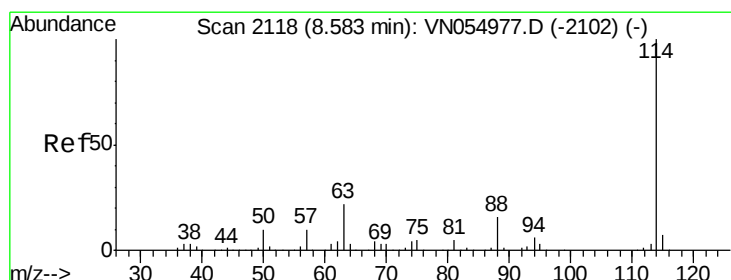
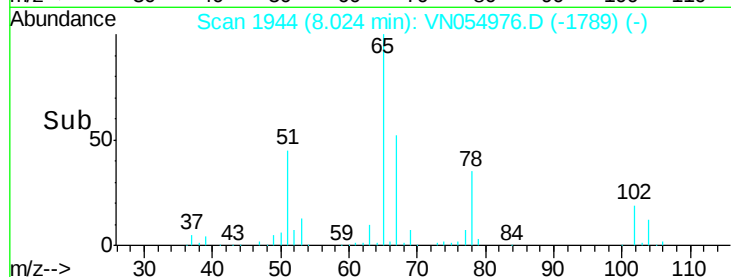
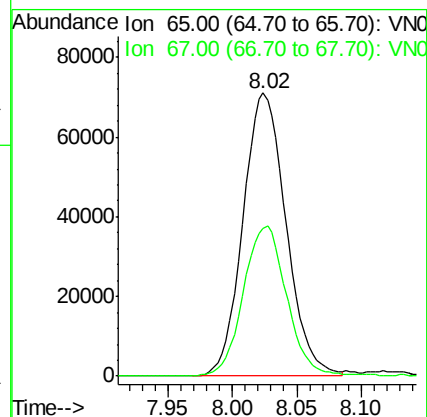
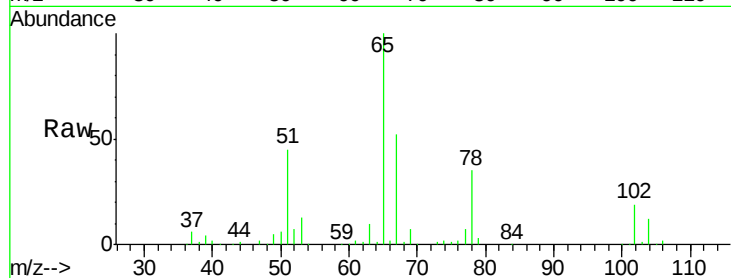
67 53.1 41.8 62.8

Manual Integrations

APPROVED

MMDadoda

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

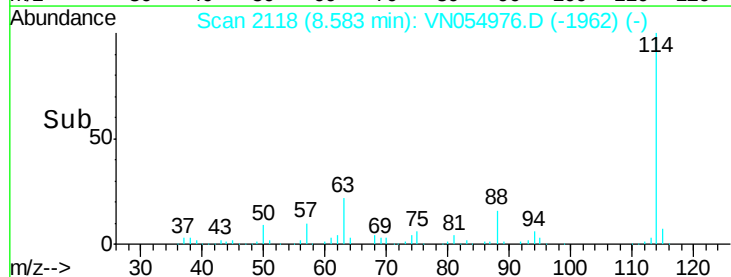
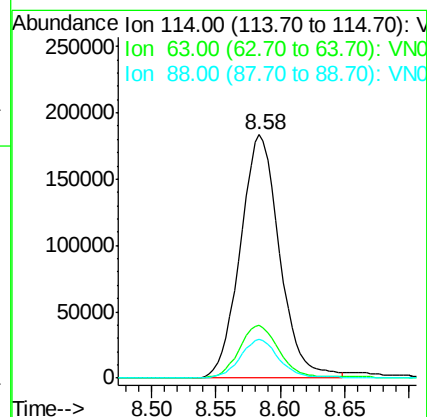
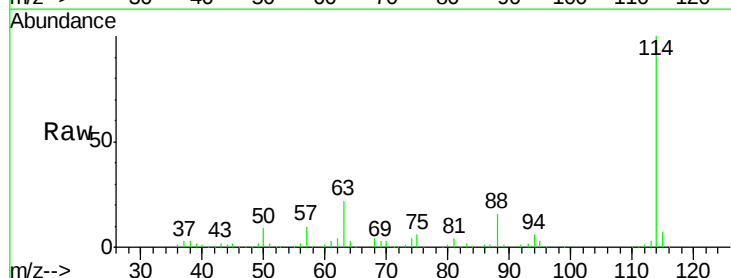
Tgt Ion: 114 Resp: 389759

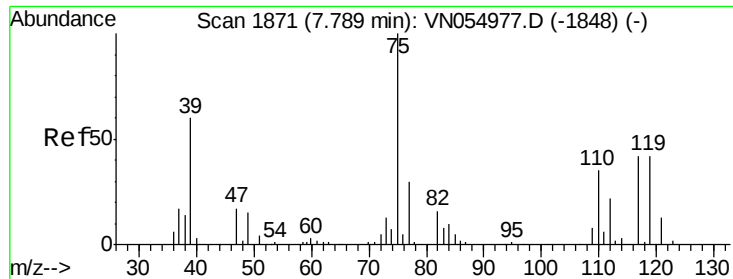
Ion Ratio Lower Upper

114 100

63 21.8 17.0 25.4

88 15.6 12.3 18.5





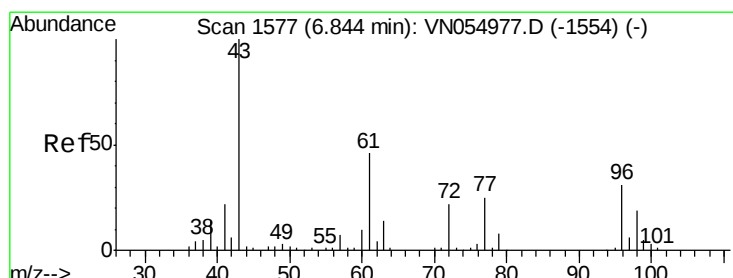
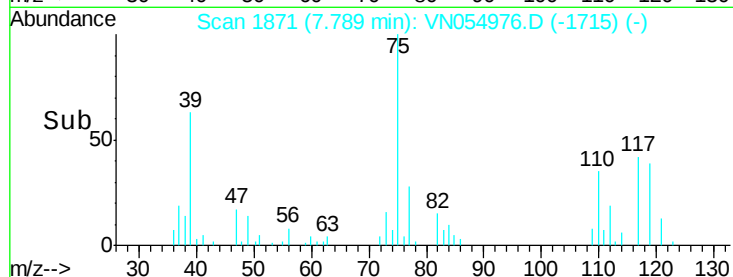
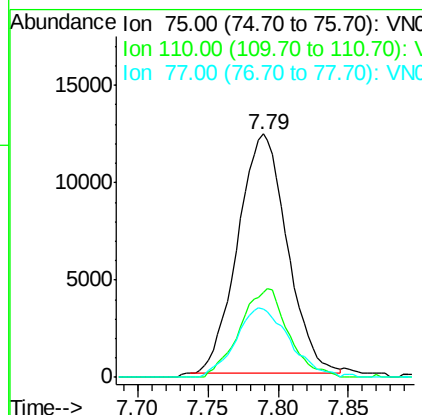
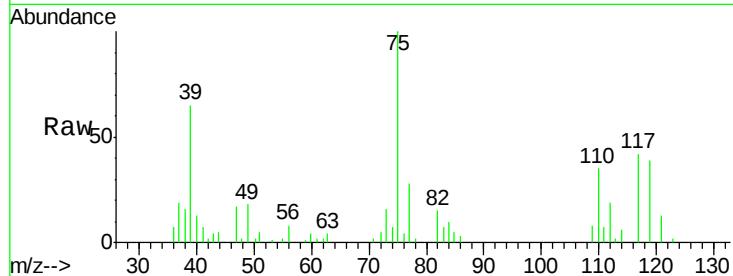
#29  
 1,1-Dichloropropene  
 Concen: 5.607 ug/l  
 RT: 7.79 min Scan# 1871  
 Delta R.T. 0.00 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 75      | 100   |            |       |
| 110     | 36.4  | 0.0        | 68.4  |
| 77      | 31.5  | 0.0        | 58.6  |

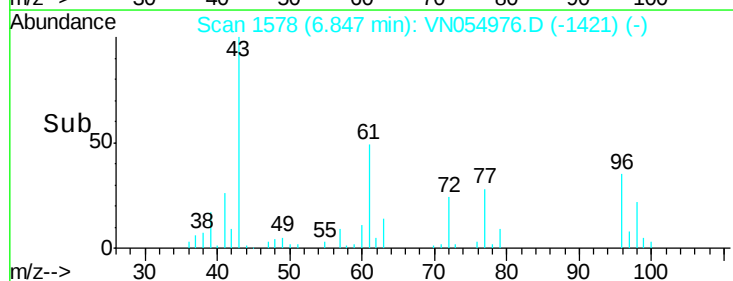
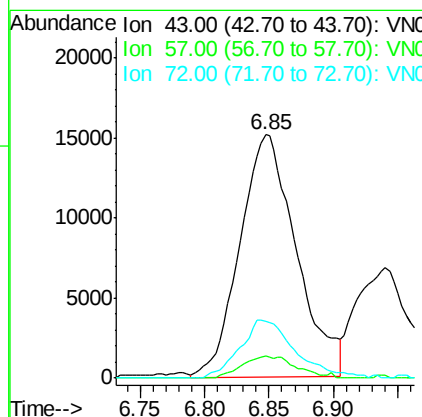
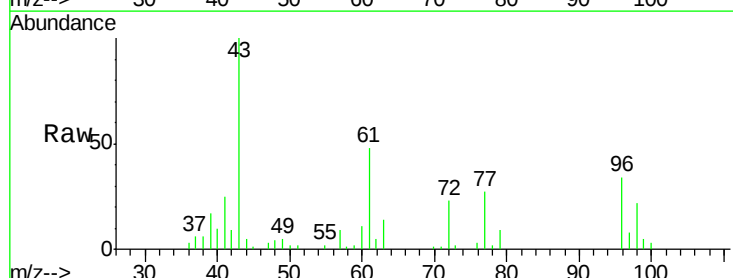
Manual Integrations  
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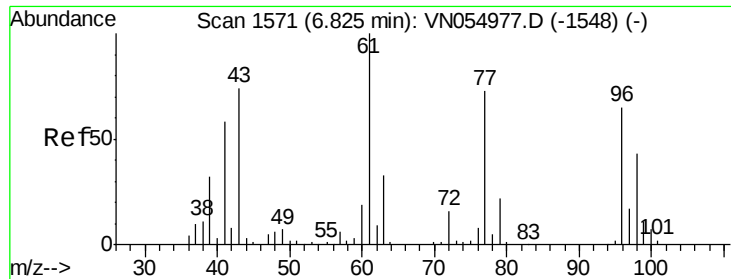
MMDadoda  
 4/12/2019 1:41:02 PM



#30  
 2-Butanone  
 Concen: 27.311 ug/l  
 RT: 6.85 min Scan# 1578  
 Delta R.T. 0.00 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 43      | 100   |            |       |
| 57      | 5.1   | 6.0        | 9.0#  |
| 72      | 23.5  | 18.6       | 27.8  |





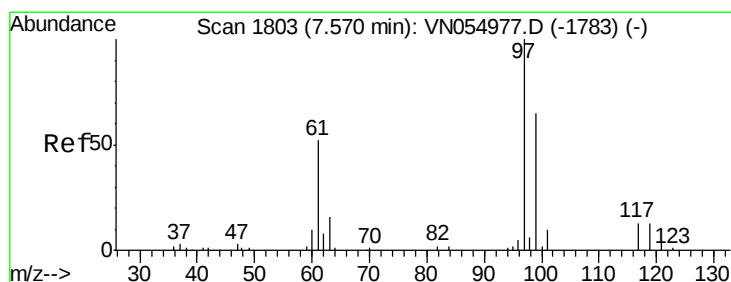
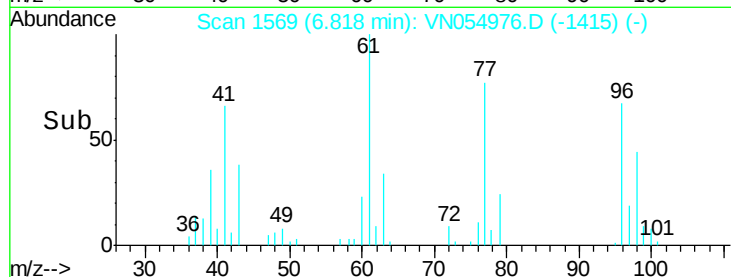
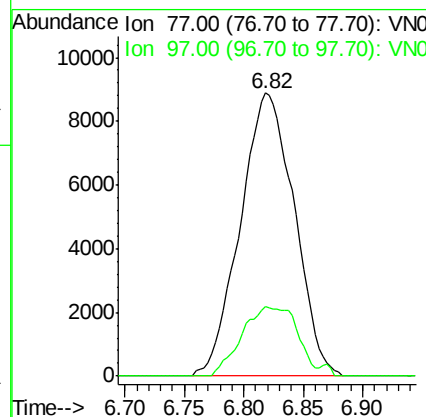
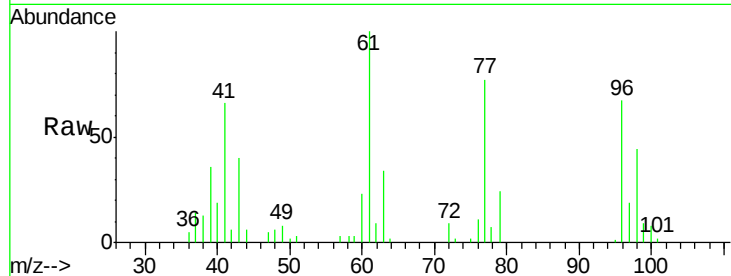
#31  
 2,2-Dichloropropane  
 Concen: 5.314 ug/l  
 RT: 6.82 min Scan# 1569  
 Delta R.T. -0.01 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 77 Resp: 27914  
 Ion Ratio Lower Upper  
 77 100  
 97 18.9 0.0 0.0#

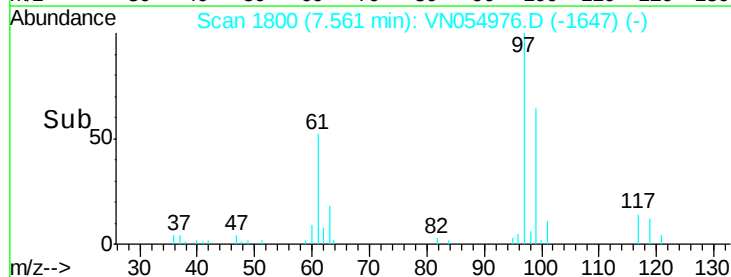
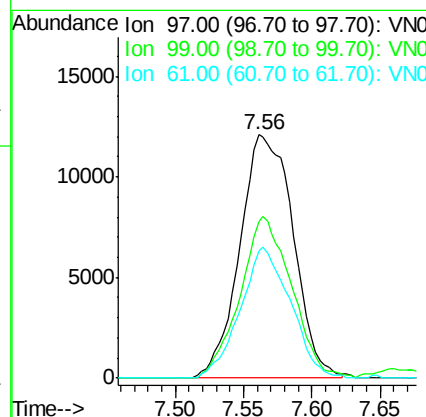
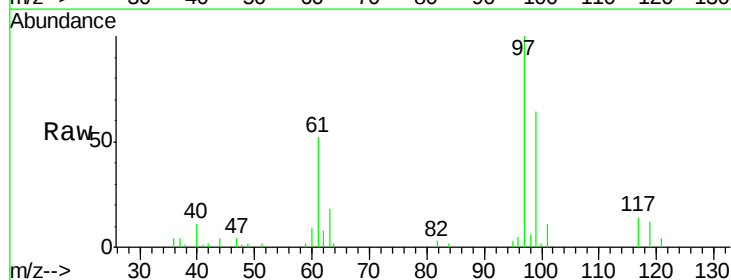
Manual Integrations  
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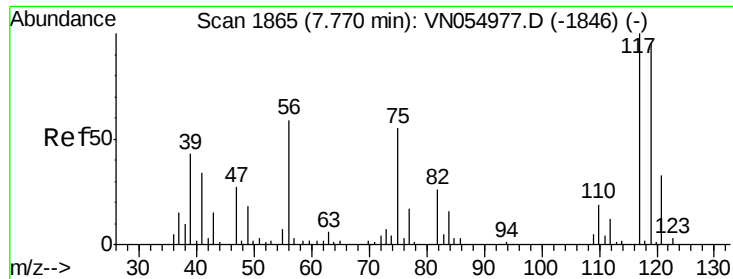
MMDadoda  
 4/12/2019 1:41:02 PM



#32  
 1,1,1-Trichloroethane  
 Concen: 5.709 ug/l  
 RT: 7.56 min Scan# 1800  
 Delta R.T. -0.01 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

Tgt Ion: 97 Resp: 32845  
 Ion Ratio Lower Upper  
 97 100  
 99 64.0 51.2 76.8  
 61 50.3 40.6 60.8





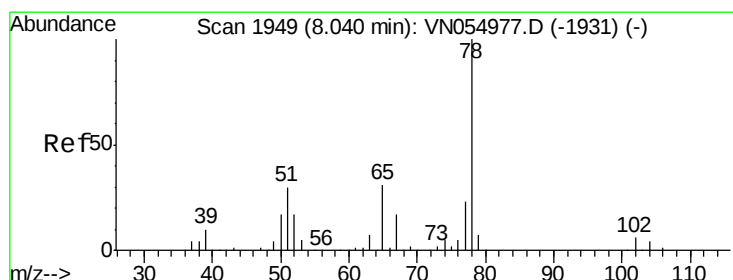
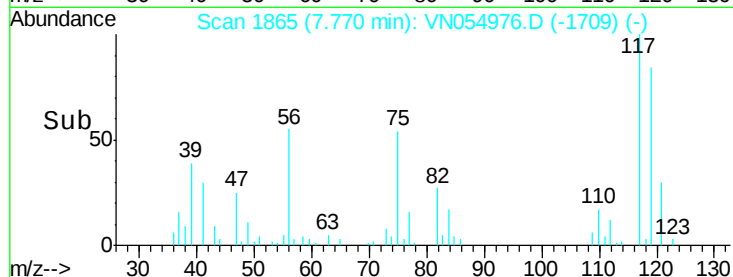
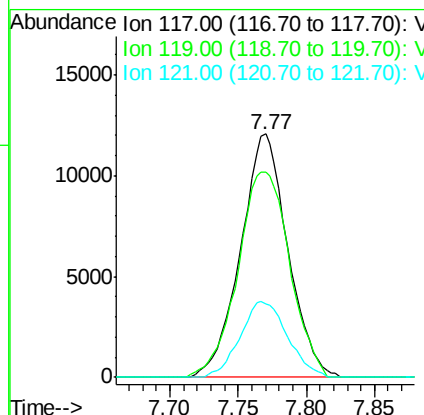
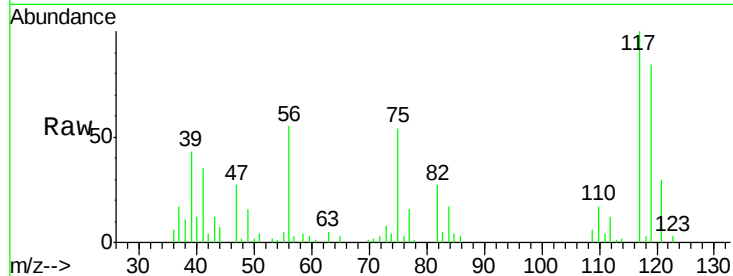
#33  
Carbon Tetrachloride  
Concen: 5.715 ug/l  
RT: 7.77 min Scan# 1865  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tot Ion:117 Resp: 29046  
Ion Ratio Lower Upper  
117 100  
119 84.5 76.1 114.1  
121 30.2 26.2 39.4

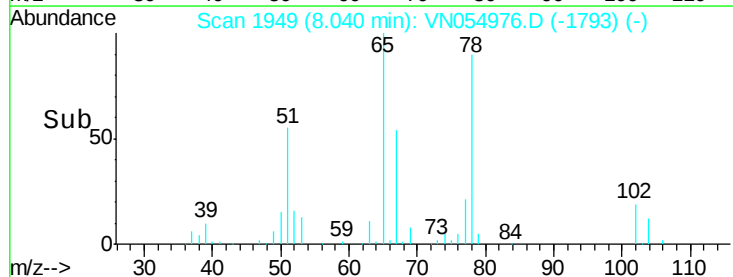
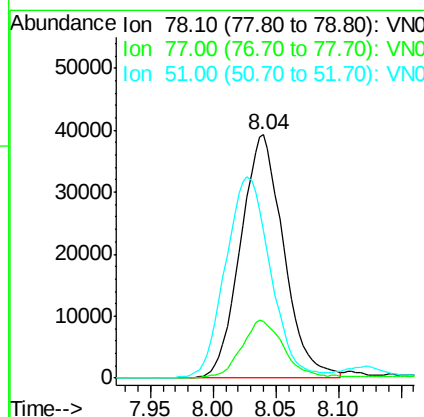
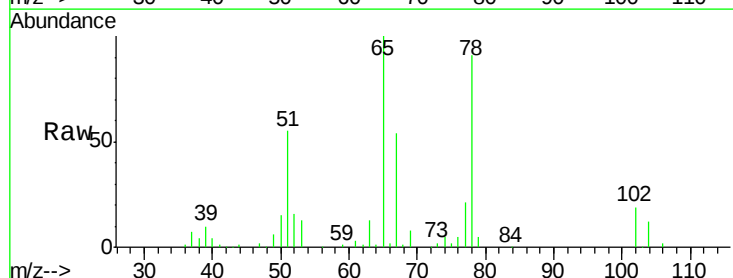
Manual Integrations  
APPROVED

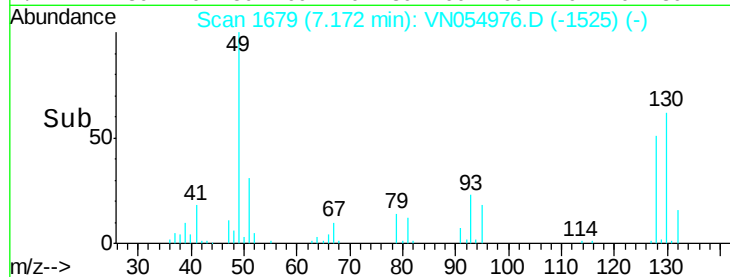
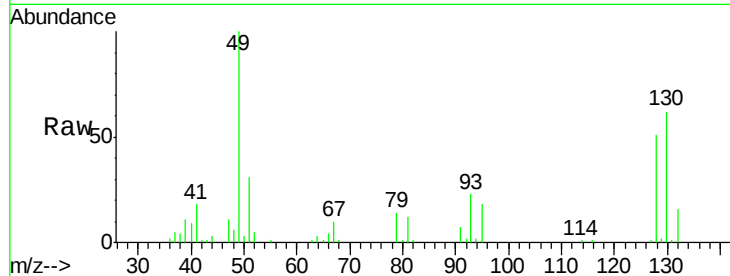
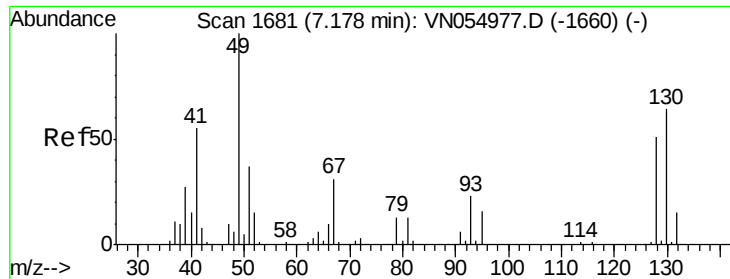
MMDadoda  
4/12/2019 1:41:02 PM



#34  
Benzene  
Concen: 5.904 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

Tgt Ion: 78 Resp: 93848  
Ion Ratio Lower Upper  
78 100  
77 23.1 18.2 27.4  
51 59.4 23.7 35.5#





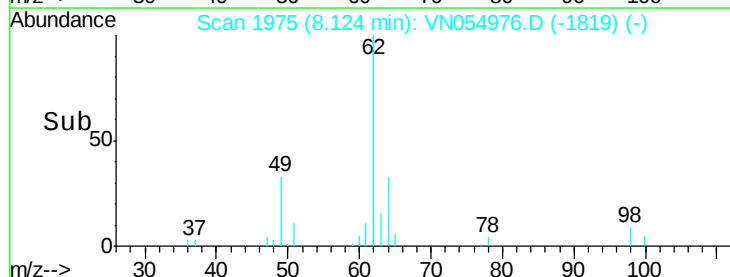
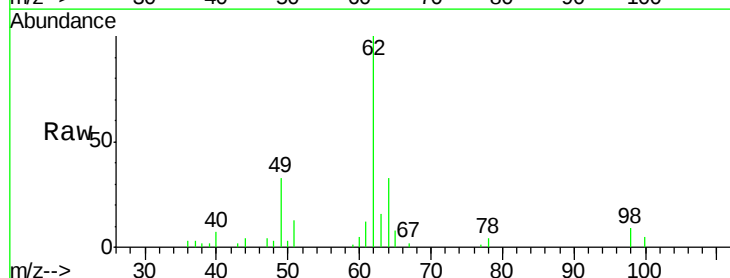
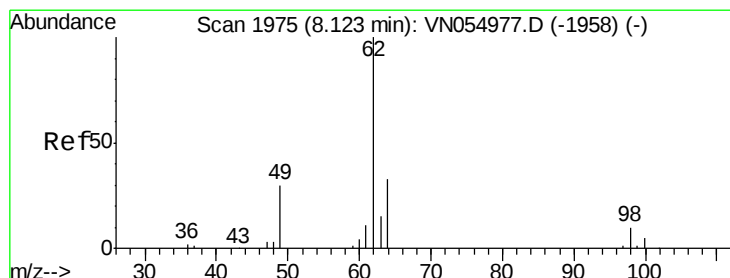
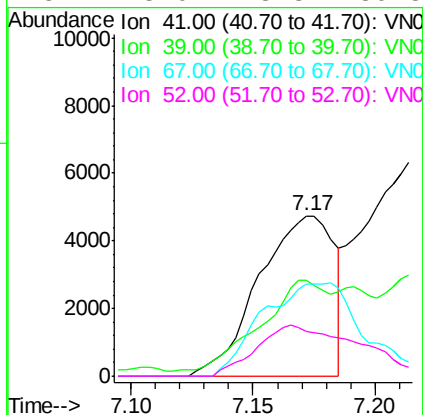
#35  
Methacrylonitrile  
Concen: 5.263 ug/l  
RT: 7.17 min Scan# 1679  
Delta R.T. -0.01 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

| Tot Ion   | 41    | Resp  | 10124 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 39        | 55.9  | 24.2  | 72.6  |
| 67        | 57.2  | 28.1  | 84.2  |
| 52        | 28.0  | 13.3  | 39.8  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

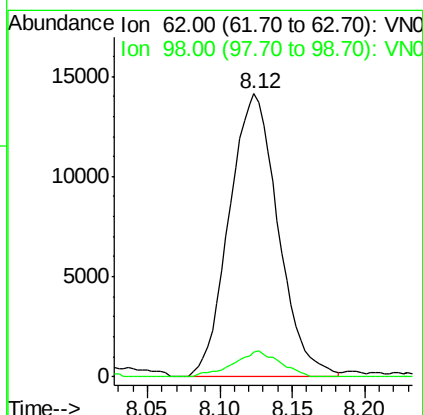
Manual Integrations  
APPROVED

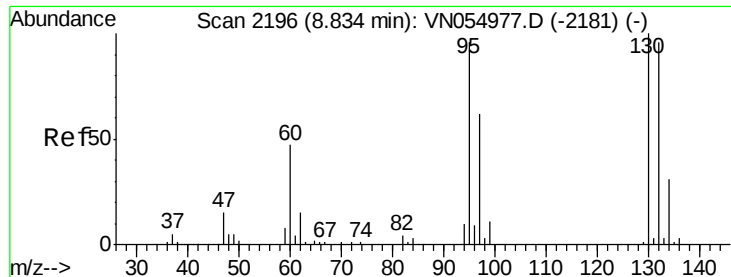
MMDadoda  
4/12/2019 1:41:02 PM



#36  
1,2-Dichloroethane  
Concen: 6.439 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

| Tgt Ion   | 62    | Resp  | 33237 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 62        | 100   |       |       |
| 98        | 8.7   | 6.9   | 10.3  |





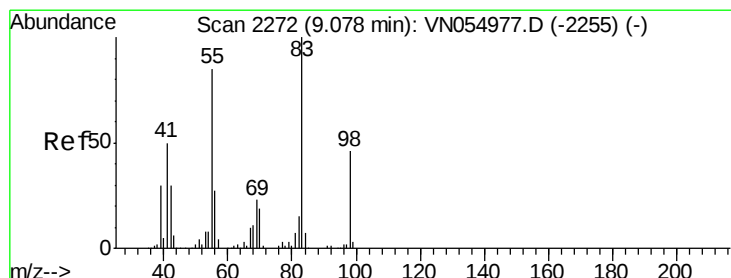
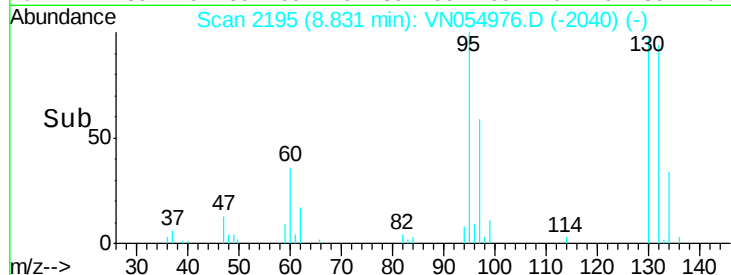
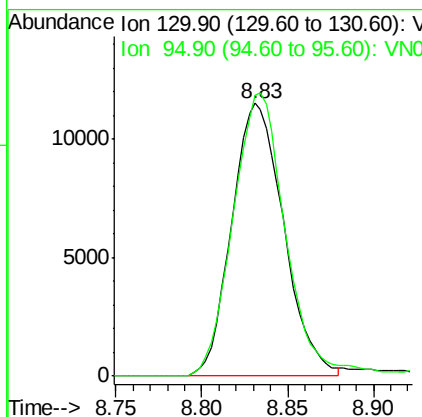
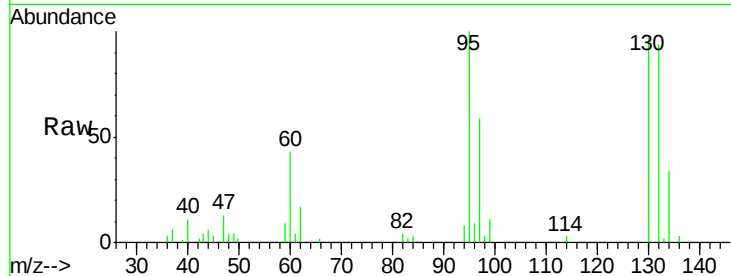
#37  
 Trichloroethene  
 Concen: 5.835 ug/l  
 RT: 8.83 min Scan# 2195  
 Delta R.T. -0.00 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDIC005

Tot Ion:130 Resp: 24289  
 Ion Ratio Lower Upper  
 130 100  
 95 103.0 76.6 115.0

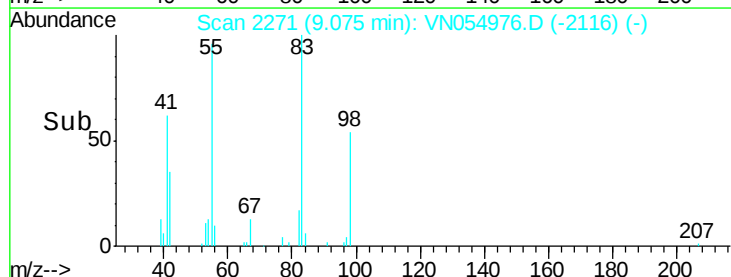
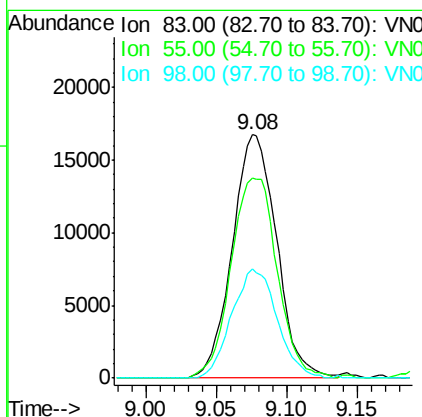
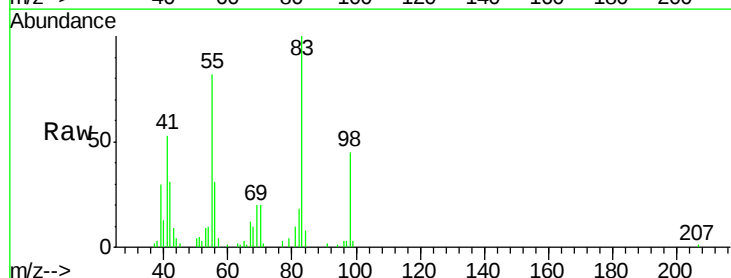
Manual Integrations  
 APPROVED

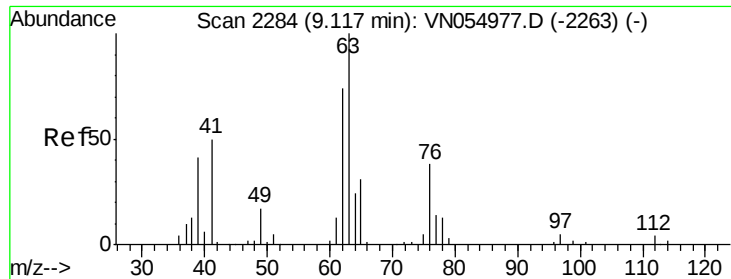
MMDadoda  
 4/12/2019 1:41:02 PM



#38  
 Methylcyclohexane  
 Concen: 5.846 ug/l  
 RT: 9.08 min Scan# 2271  
 Delta R.T. -0.00 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

Tgt Ion: 83 Resp: 36865  
 Ion Ratio Lower Upper  
 83 100  
 55 85.6 41.9 125.6  
 98 45.8 22.4 67.0





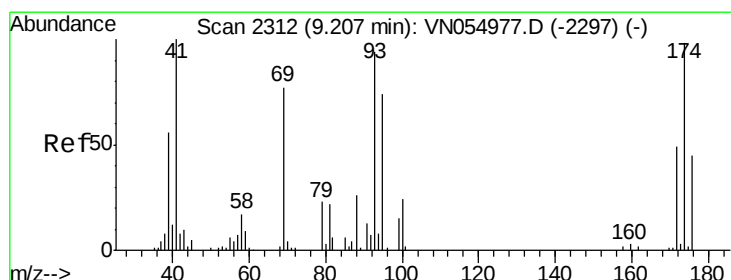
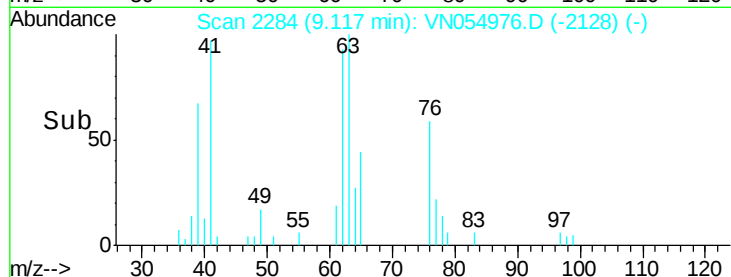
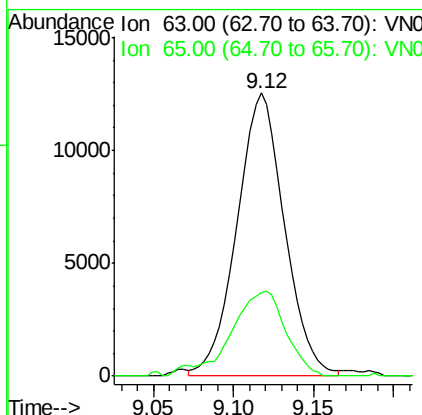
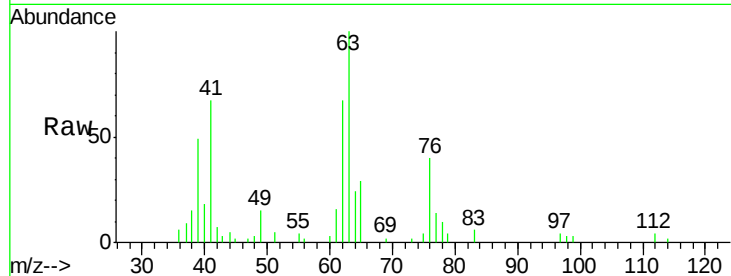
#39  
 1,2-Dichloropropane  
 Concen: 5.830 ug/l  
 RT: 9.12 min Scan# 2284  
 Delta R.T. 0.00 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDIC005

| Tot Ion   | 63   | Resp  | 25490 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 63        | 100  |       |       |
| 65        | 30.0 | 24.8  | 37.2  |

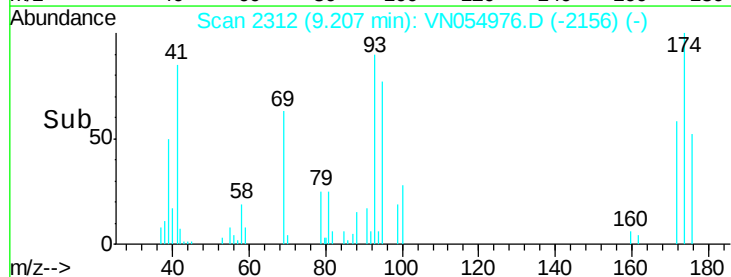
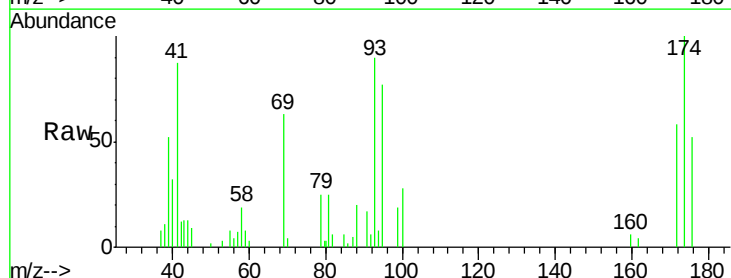
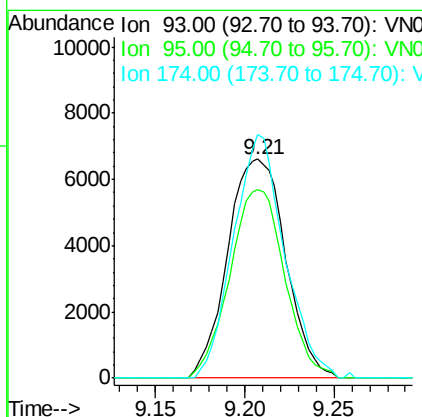
Manual Integrations  
 APPROVED

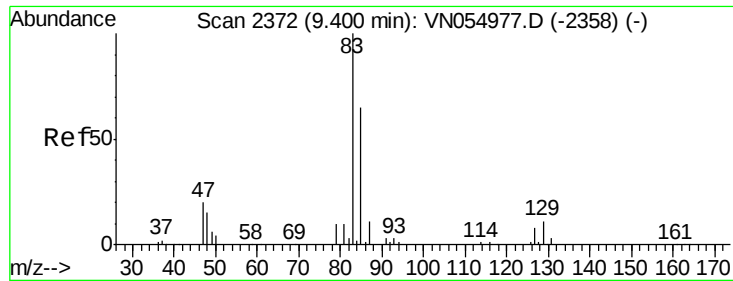
MMDadoda  
 4/12/2019 1:41:02 PM



#40  
 Dibromomethane  
 Concen: 6.010 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. 0.00 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

| Tgt Ion   | 93   | Resp  | 15017 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 93        | 100  |       |       |
| 95        | 81.4 | 0.0   | 160.8 |
| 174       | 98.0 | 0.0   | 206.4 |





#41

Bromodichloromethane

Concen: 5.421 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

Instrument :

MSVOA\_N

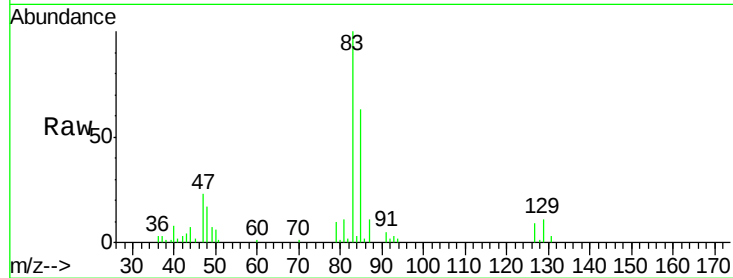
ClientSampleId :

VSTDIC005

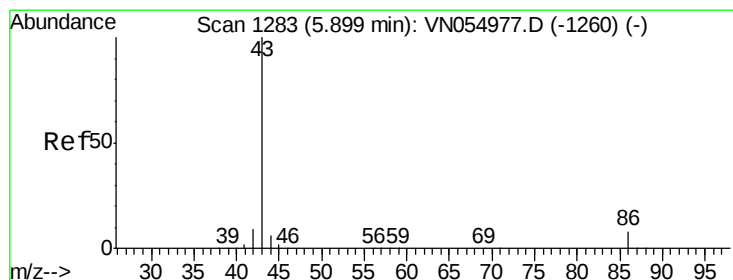
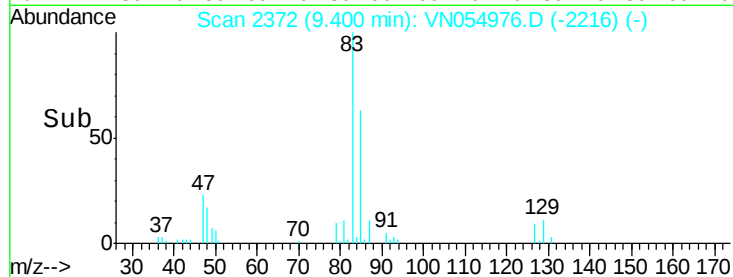
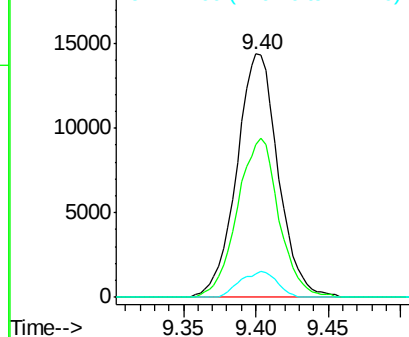
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 28601 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 62.8  | 52.0  | 78.0  |
| 127       | 9.4   | 7.2   | 10.8  |

Manual Integrations  
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MMDadoda  
4/12/2019 1:41:02 PM



Abundance Ion 83.00 (82.70 to 83.70): VNO  
Ion 85.00 (84.70 to 85.70): VNO  
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 26.972 ug/l

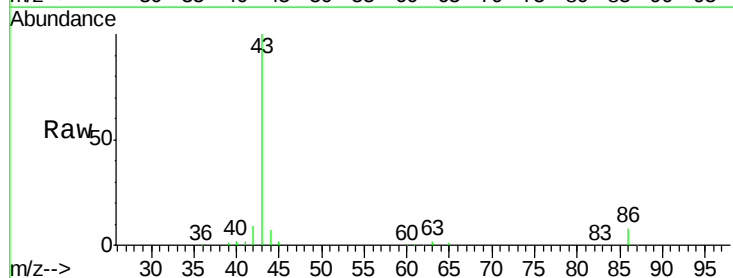
RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

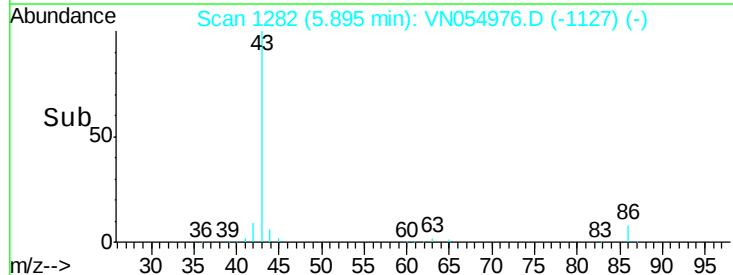
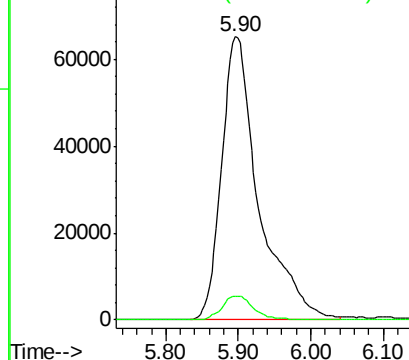
Lab File: VN054976.D

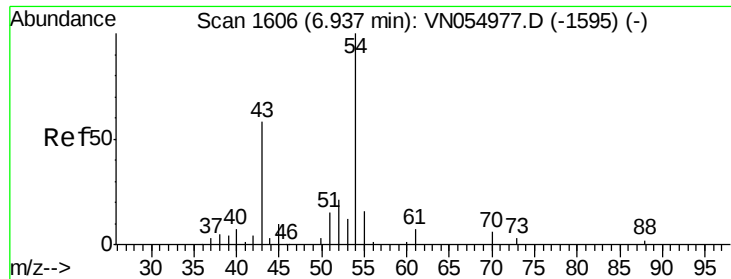
Acq: 11 Apr 2019 14:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 232716 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 86        | 7.1   | 5.7   | 8.5    |



Abundance Ion 43.00 (42.70 to 43.70): VNO  
Ion 86.00 (85.70 to 86.70): VNO





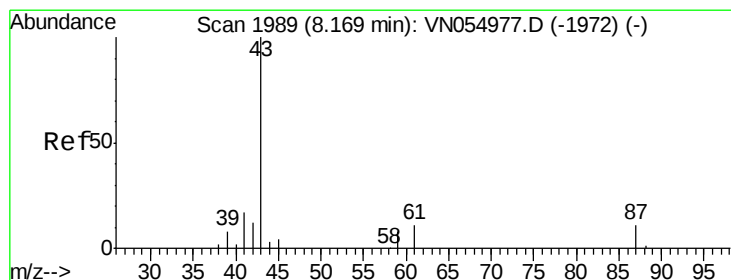
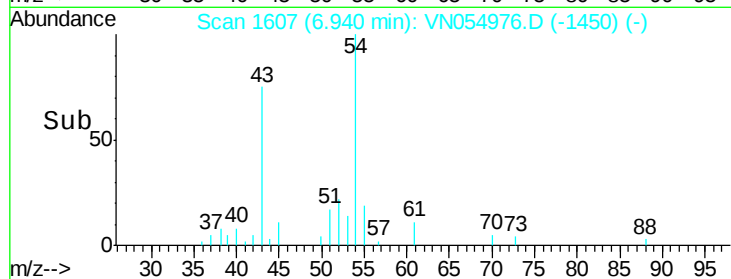
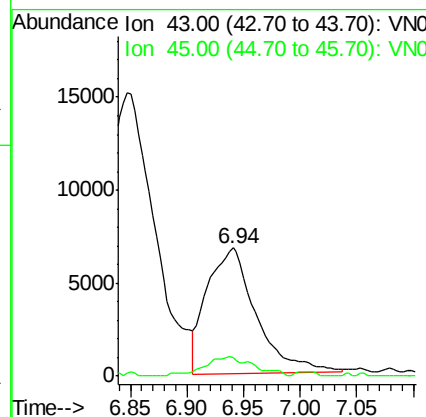
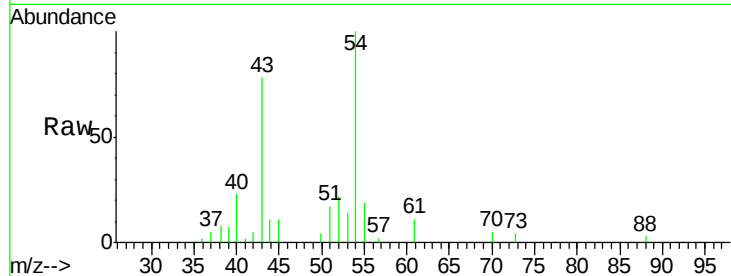
#43  
Ethyl Acetate  
Concen: 5.812 ug/l  
RT: 6.94 min Scan# 1607  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tot Ion: 43 Resp: 20464  
Ion Ratio Lower Upper  
43 100  
45 3.9 10.6 15.8#

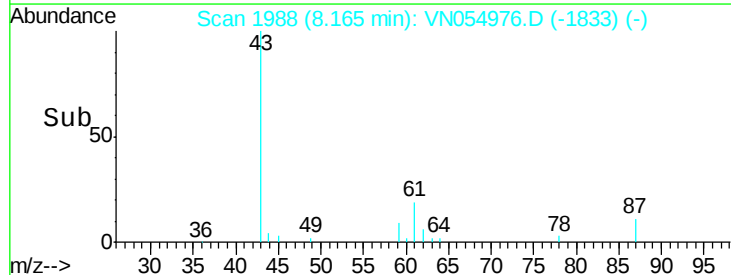
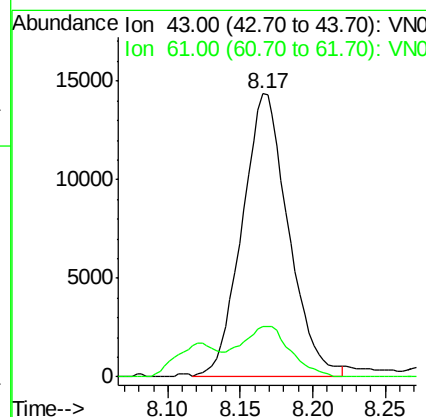
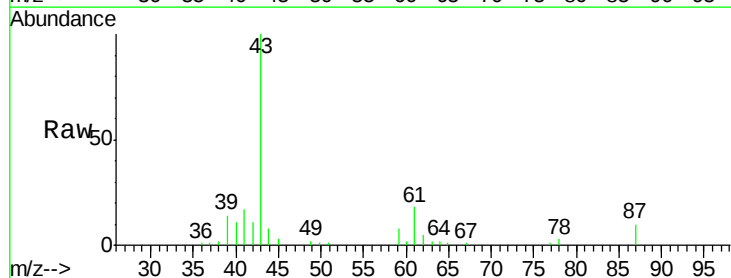
Manual Integrations  
APPROVED

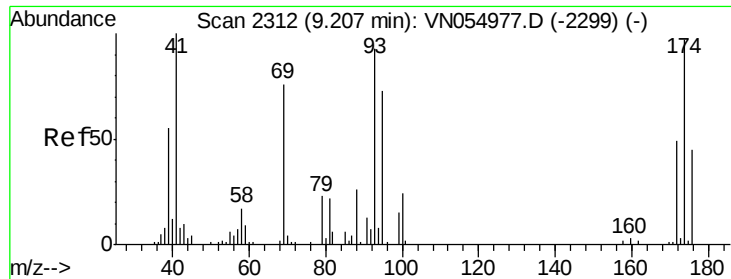
MMDadoda  
4/12/2019 1:41:02 PM



#44  
Isopropyl Acetate  
Concen: 5.221 ug/l  
RT: 8.17 min Scan# 1988  
Delta R.T. -0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

Tgt Ion: 43 Resp: 32041  
Ion Ratio Lower Upper  
43 100  
61 16.4 14.8 22.2





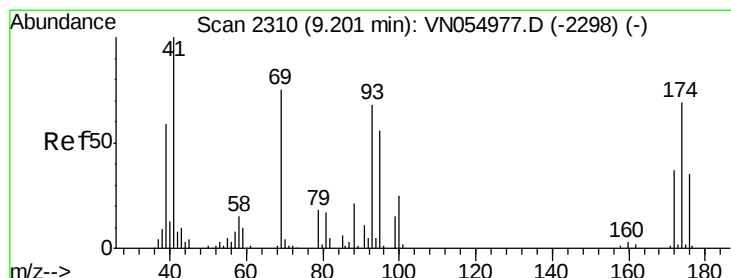
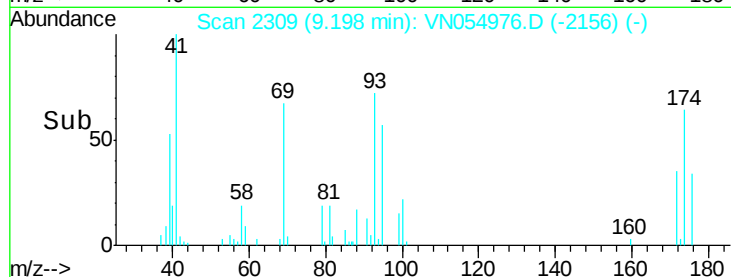
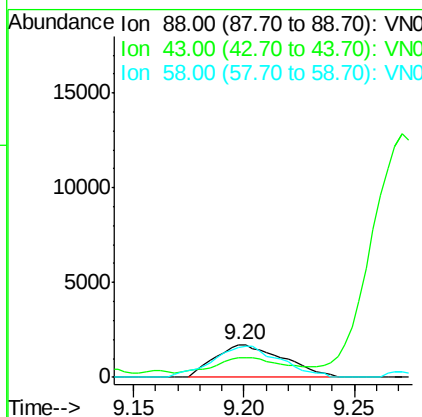
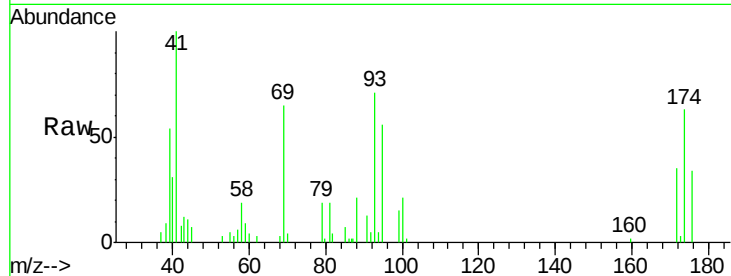
#45  
 1,4-Dioxane  
 Concen: 114.551 ug/l  
 RT: 9.20 min Scan# 2309  
 Delta R.T. -0.01 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 44.0  | 34.5  | 51.7  |
| 58      | 93.6  | 60.3  | 90.5  |

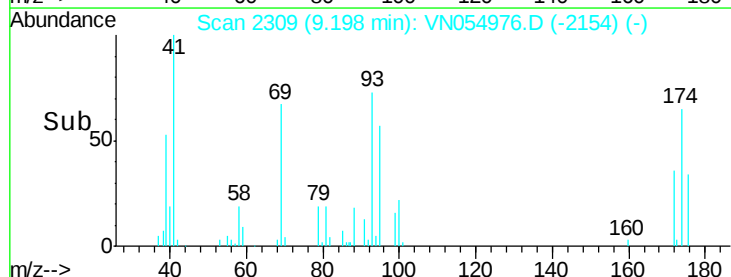
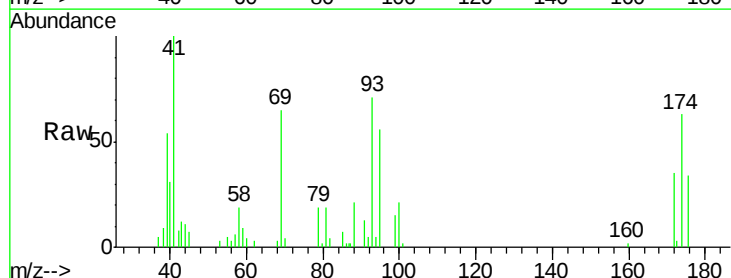
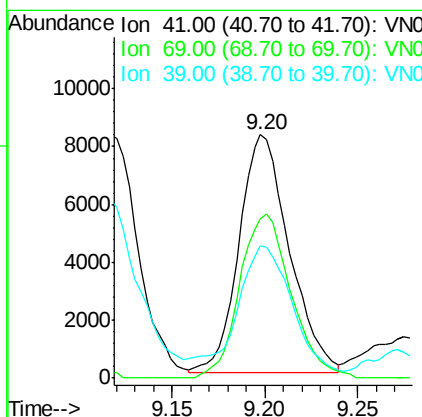
Manual Integrations  
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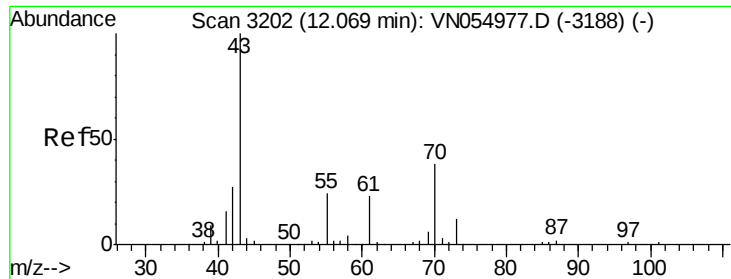
MMDadoda  
 4/12/2019 1:41:02 PM



#46  
 Methyl methacrylate  
 Concen: 5.279 ug/l  
 RT: 9.20 min Scan# 2309  
 Delta R.T. -0.00 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 67.8  | 37.3  | 111.9 |
| 39      | 53.1  | 29.4  | 88.2  |





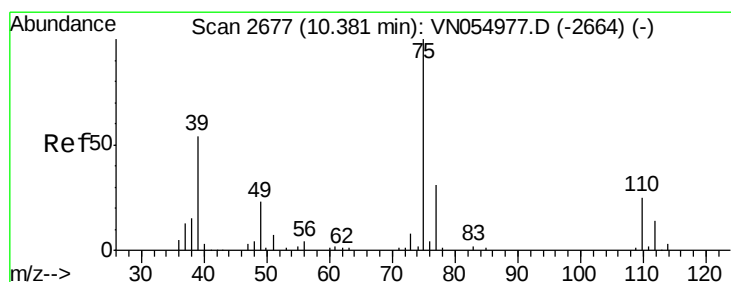
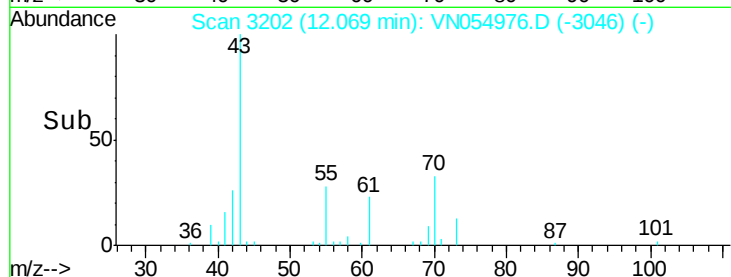
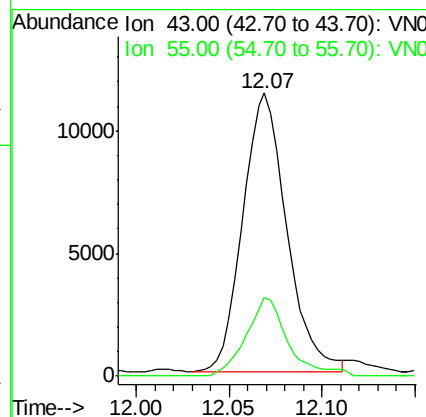
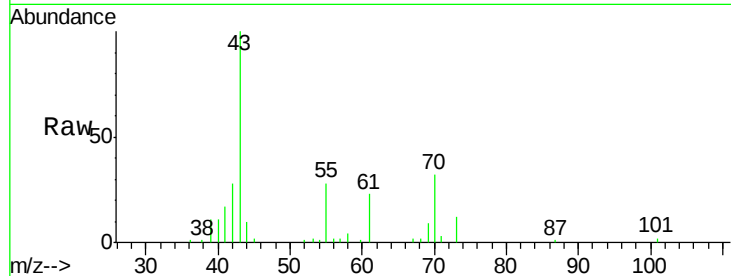
#47  
n-amvl Acetate  
Concen: 4.210 ug/l  
RT: 12.07 min Scan# 3202  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tot Ion: 43 Resp: 18658  
Ion Ratio Lower Upper  
43 100  
55 26.2 19.8 29.6

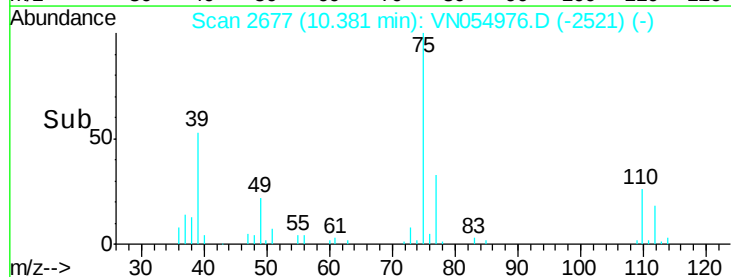
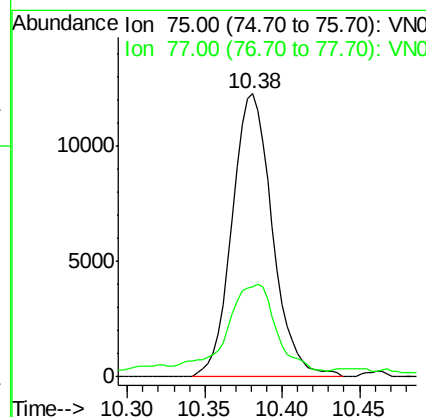
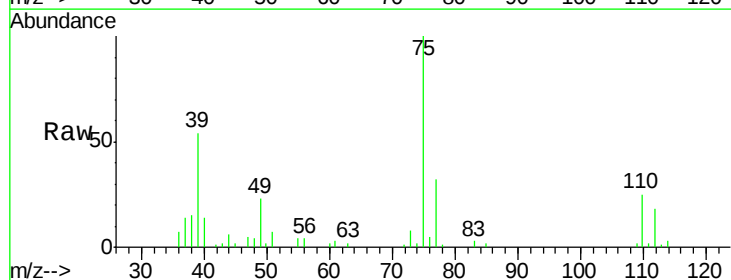
Manual Integrations  
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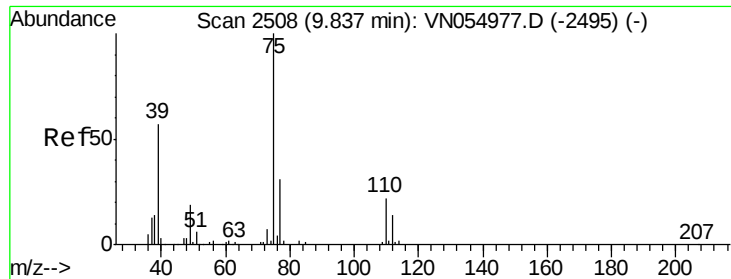
MMDadoda  
4/12/2019 1:41:02 PM



#48  
t-1,3-Dichloropropene  
Concen: 4.282 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

Tgt Ion: 75 Resp: 22257  
Ion Ratio Lower Upper  
75 100  
77 28.9 24.6 37.0





#49

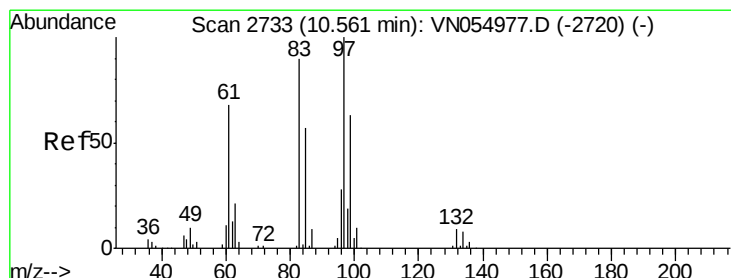
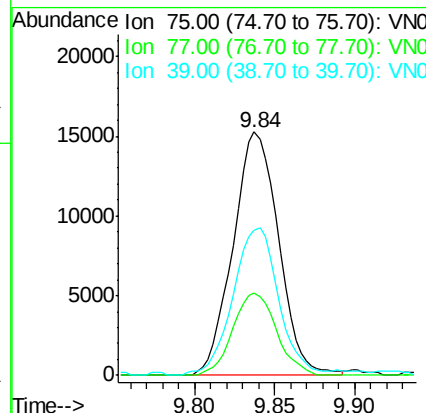
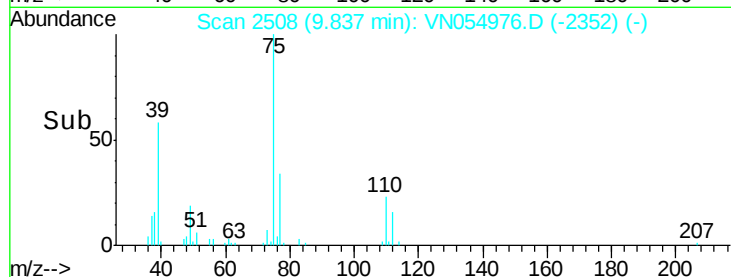
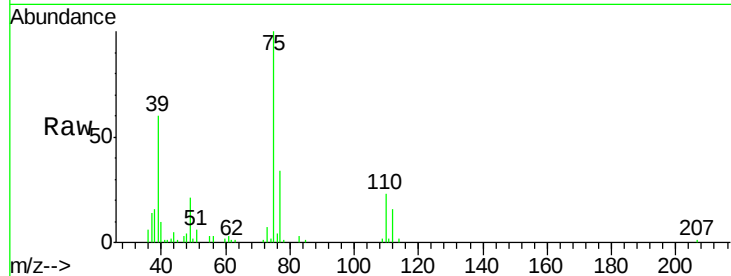
cis-1,3-Dichloropropene  
Concen: 4.834 ug/l  
RT: 9.84 min Scan# 2508  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 33.7  | 24.7  | 37.1  |
| 39      | 58.1  | 45.3  | 67.9  |

Manual Integrations  
APPROVED

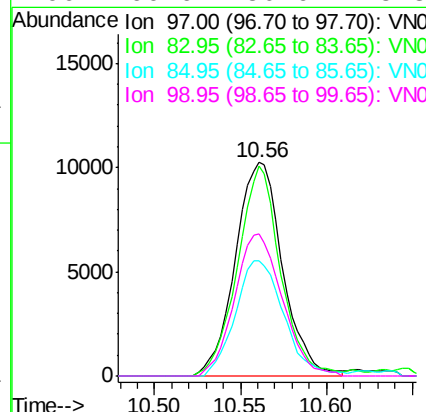
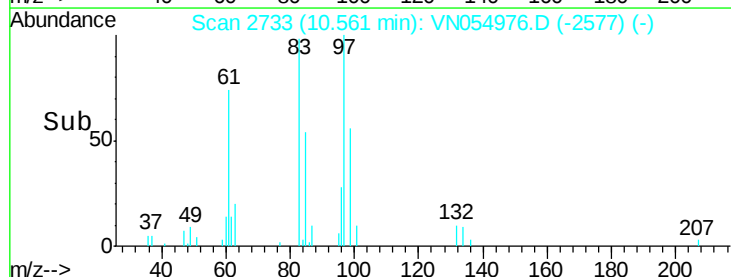
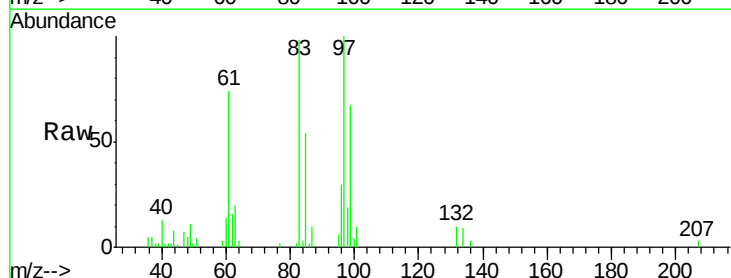
MMDadoda  
4/12/2019 1:41:02 PM

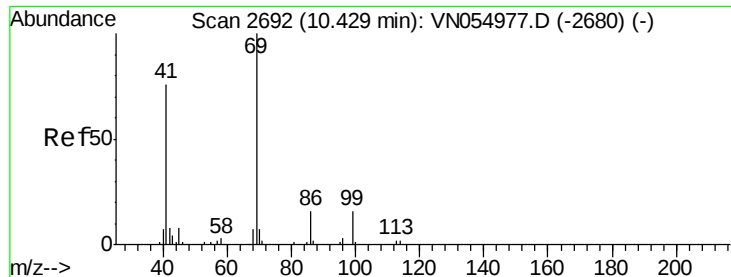


#50

1,1,2-Trichloroethane  
Concen: 5.605 ug/l  
RT: 10.56 min Scan# 2733  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 98.1  | 72.1  | 108.1 |
| 85      | 54.1  | 45.4  | 68.0  |
| 99      | 66.6  | 50.6  | 75.8  |





#51

Ethyl methacrylate

Concen: 4.977 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

Instrument :

MSVOA\_N

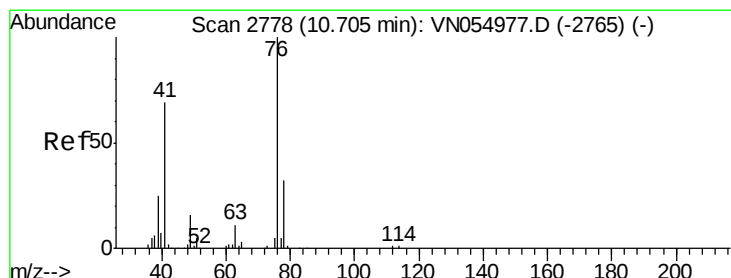
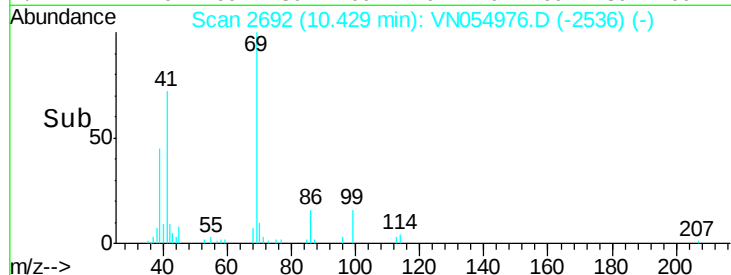
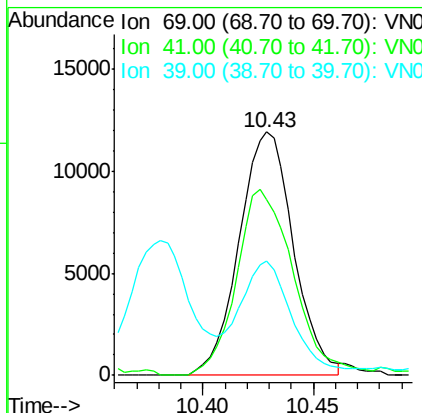
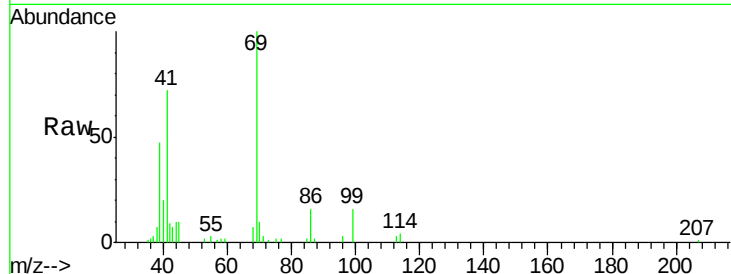
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 69    | Resp: | 20454 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 72.3  | 37.9  | 113.7 |
| 39       | 43.8  | 19.8  | 59.4  |

Manual Integrations  
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MMDadoda  
4/12/2019 1:41:02 PM



#52

1,3-Dichloropropane

Concen: 5.473 ug/l

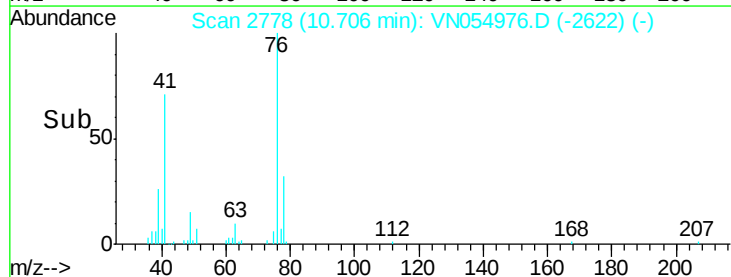
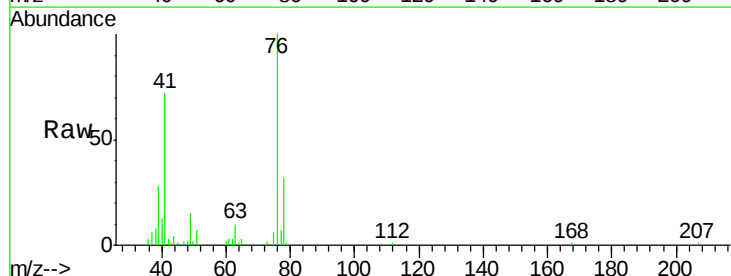
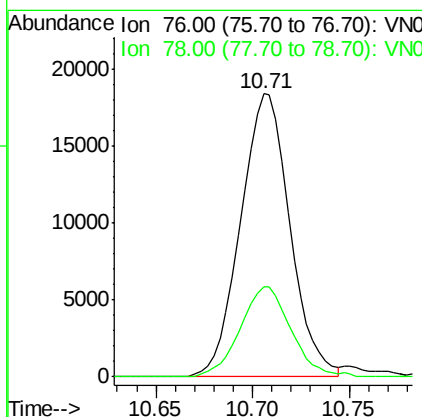
RT: 10.71 min Scan# 2778

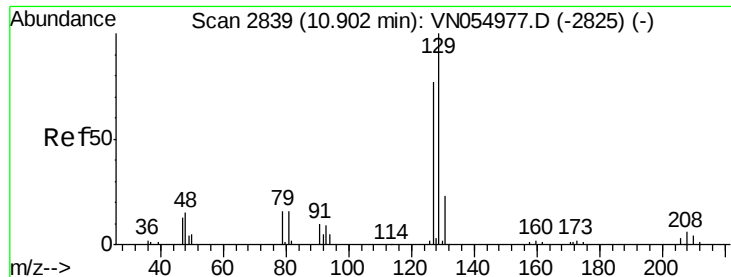
Delta R.T. 0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 76    | Resp: | 32710 |
| Ion      | Ratio | Lower | Upper |
| 76       | 100   |       |       |
| 78       | 32.5  | 0.0   | 64.4  |





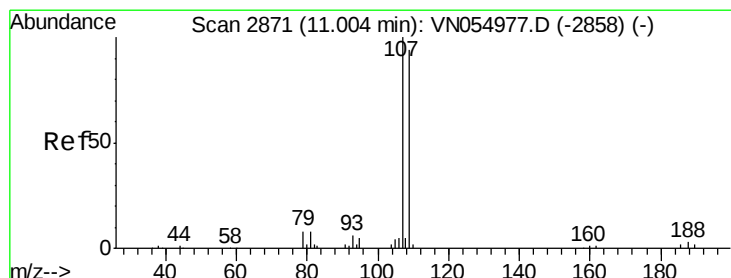
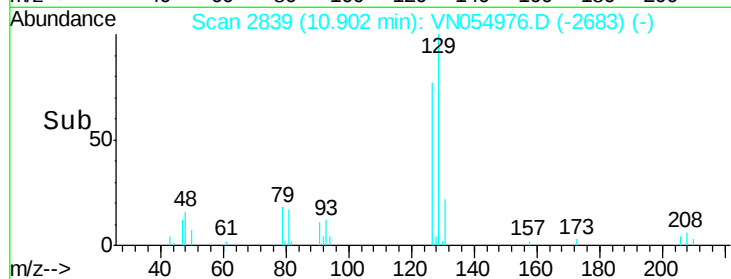
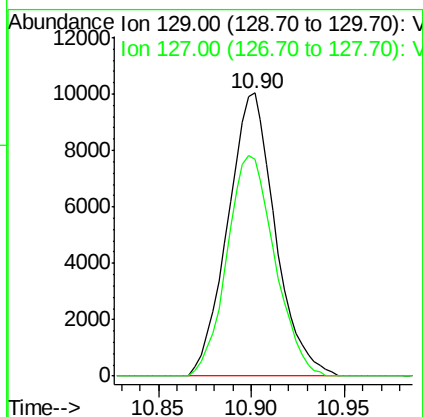
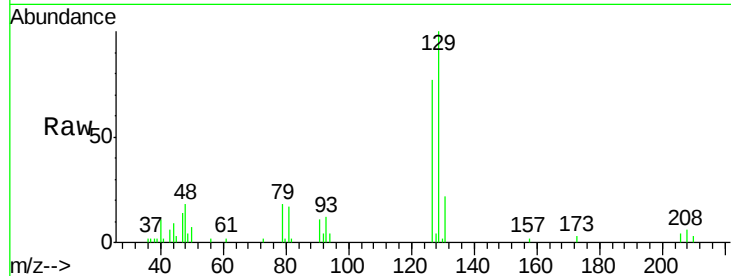
#53  
Dibromochloromethane  
Concen: 4.701 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tot Ion:129 Resp: 17813  
Ion Ratio Lower Upper  
129 100  
127 78.1 37.8 113.3

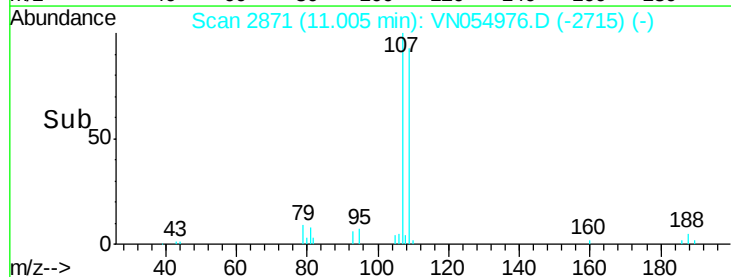
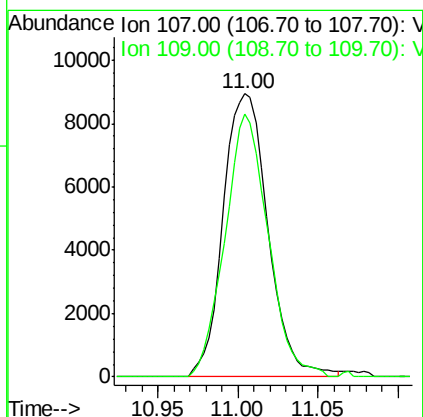
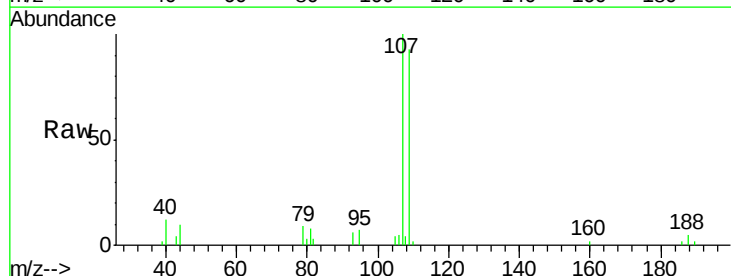
Manual Integrations  
APPROVED

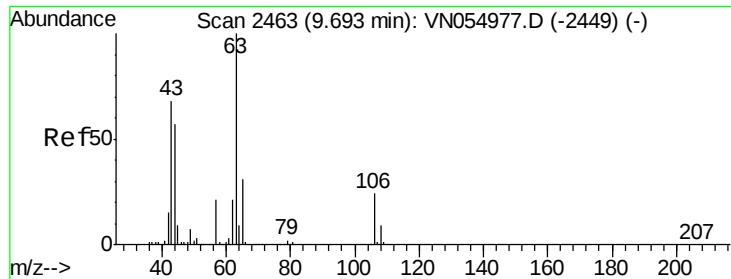
MMDadoda  
4/12/2019 1:41:02 PM



#54  
1,2-Dibromoethane  
Concen: 5.206 ug/l  
RT: 11.00 min Scan# 2871  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

Tgt Ion:107 Resp: 17123  
Ion Ratio Lower Upper  
107 100  
109 89.2 76.2 114.2





#55

2-Chloroethyl vinyl ether

Concen: 19.834 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

Instrument :

MSVOA\_N

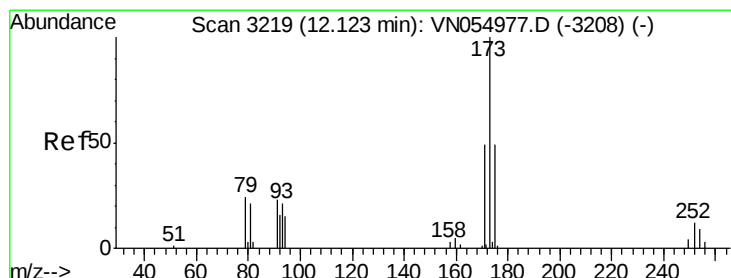
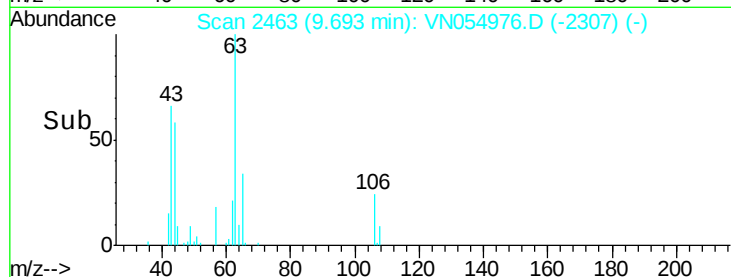
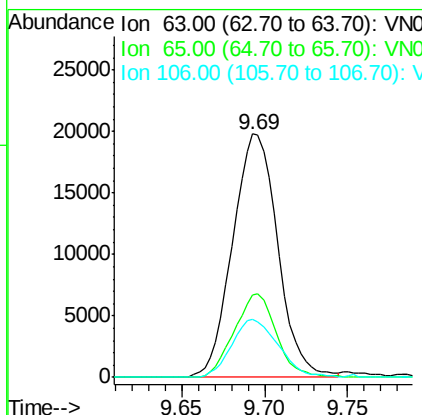
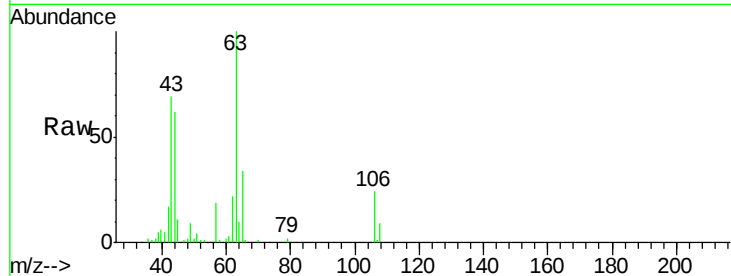
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 63    | Resp: | 37479 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 31.9  | 25.4  | 38.0  |
| 106      | 24.5  | 19.8  | 29.6  |

Manual Integrations  
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#56

Bromoform

Concen: 4.340 ug/l

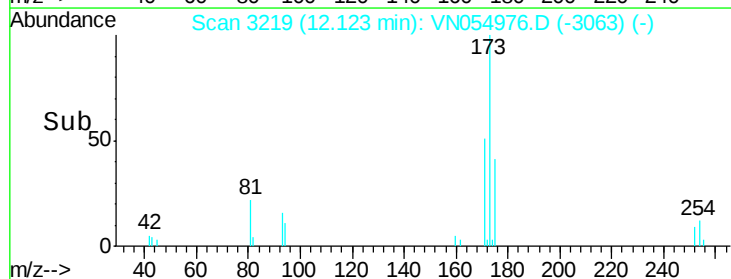
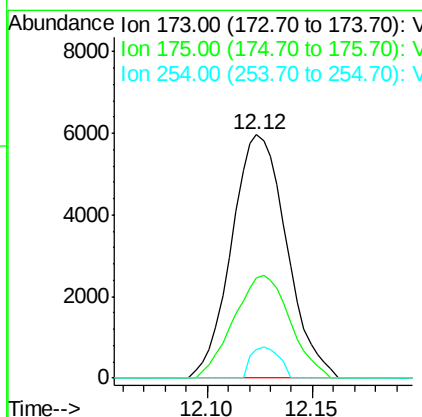
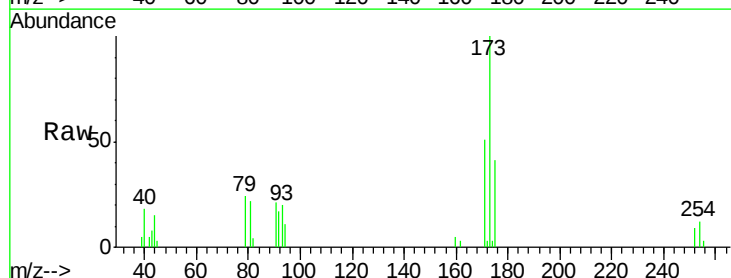
RT: 12.12 min Scan# 3219

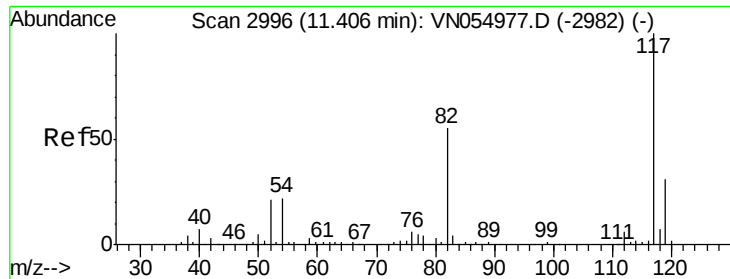
Delta R.T. 0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 10808 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 43.1  | 38.6  | 57.8  |
| 254      | 6.6   | 6.8   | 10.2# |





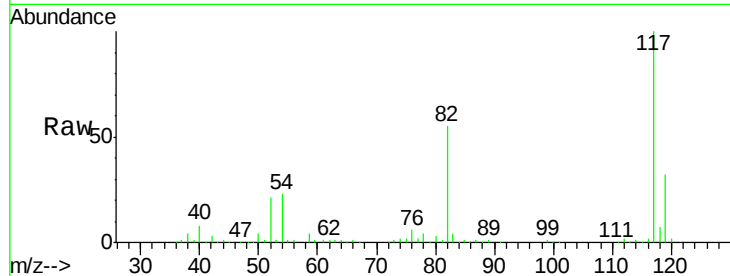
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.8  | 45.2  | 67.8  |
| 119     | 32.1  | 25.4  | 38.2  |

Manual Integrations  
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MMDadoda  
4/12/2019 1:41:02 PM

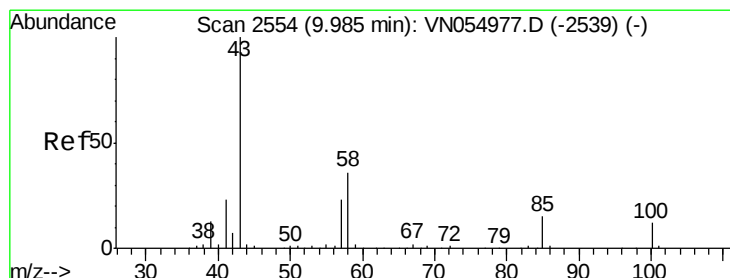
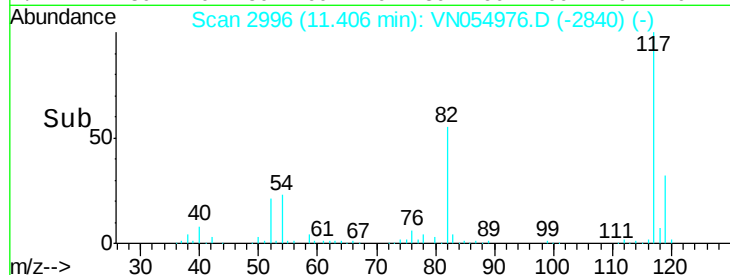
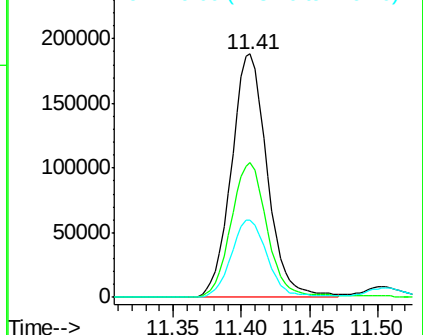


Abundance

Ion 117.00 (116.70 to 117.70): V

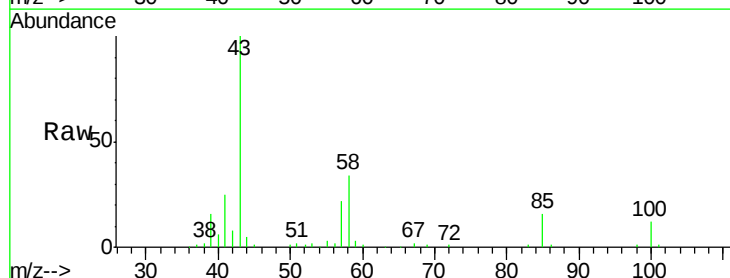
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58  
4-Methyl-2-Pentanone  
Concen: 26.983 ug/l  
RT: 9.99 min Scan# 2554  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 34.7  | 28.7  | 43.1  |
| 85      | 14.9  | 11.8  | 17.6  |

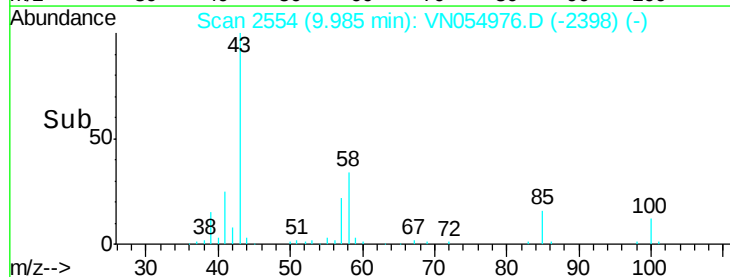
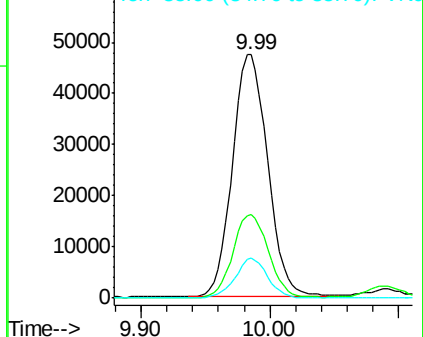


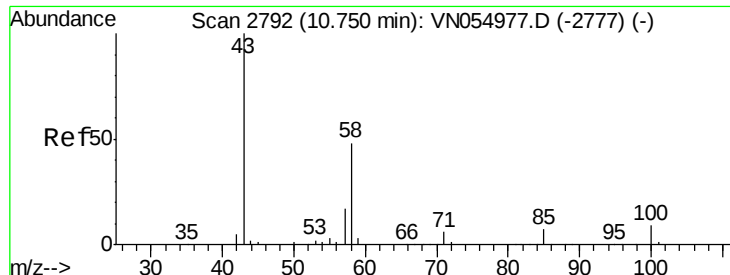
Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V





#59

2-Hexanone

Concen: 24.945 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

Instrument :

MSVOA\_N

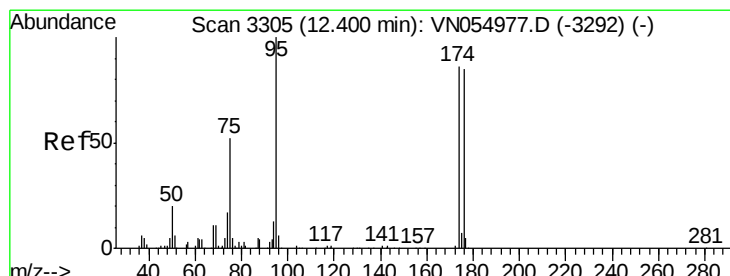
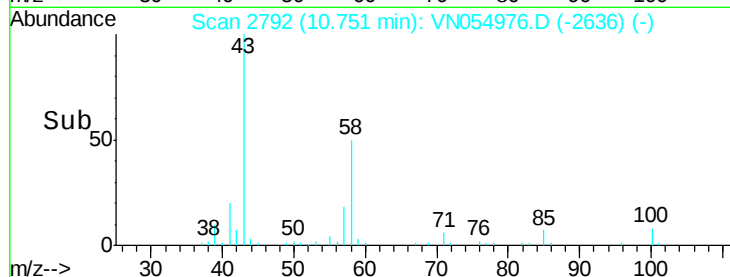
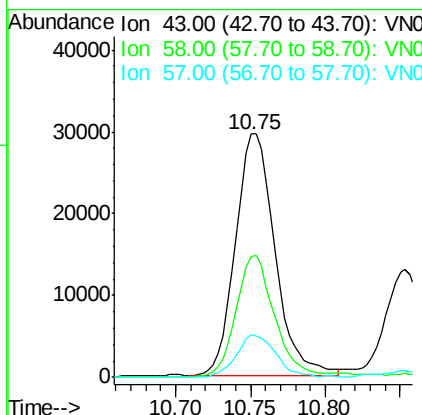
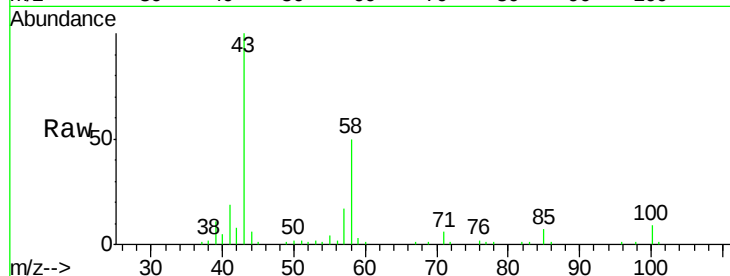
ClientSampled :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 54593 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 49.0  | 38.8  | 58.2  |
| 57       | 17.4  | 13.8  | 20.6  |

Manual Integrations  
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4/12/2019 1:41:02 PM



#60

4-Bromofluorobenzene

Concen: 24.945 ug/l

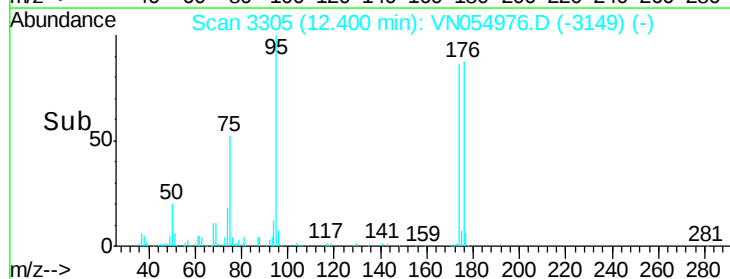
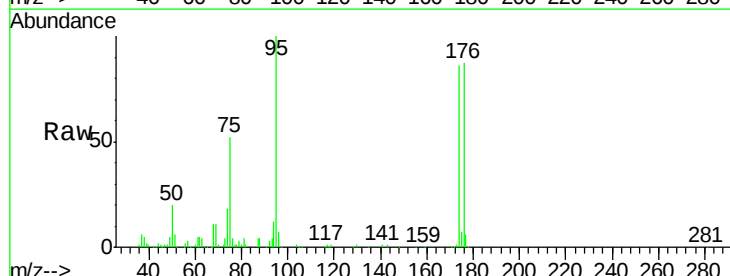
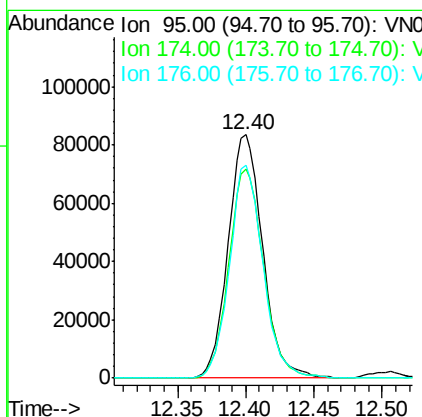
RT: 12.40 min Scan# 3305

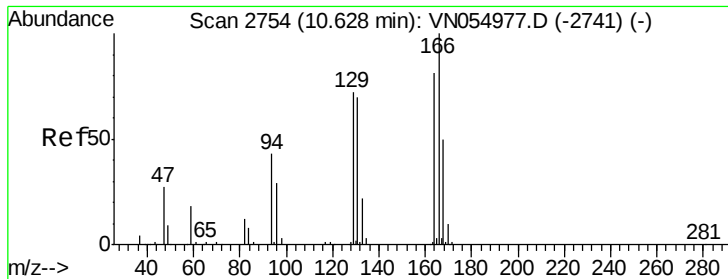
Delta R.T. 0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 147212 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 86.1  | 69.4  | 104.2  |
| 176      | 84.7  | 67.4  | 101.2  |





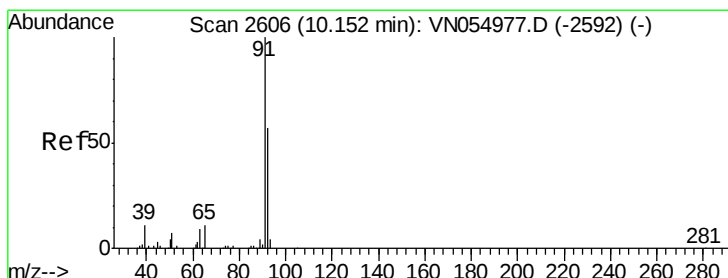
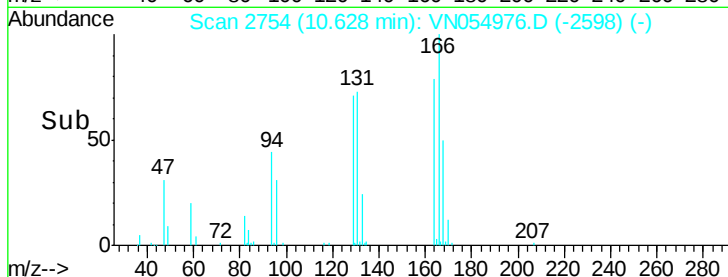
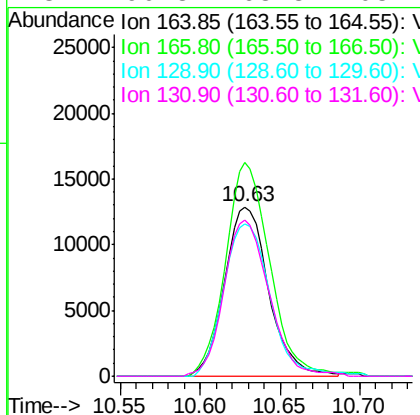
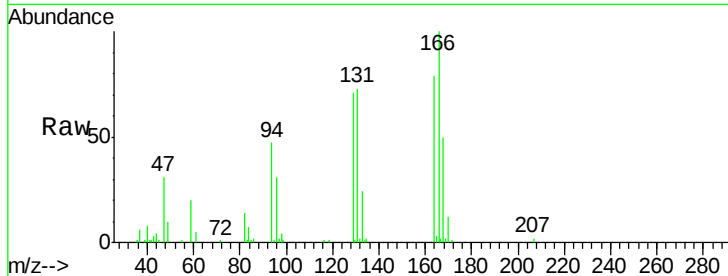
#61  
Tetrachloroethene  
Concen: 5.765 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 125.9 | 99.0  | 148.4 |
| 129     | 89.9  | 71.4  | 107.0 |
| 131     | 90.8  | 68.8  | 103.2 |

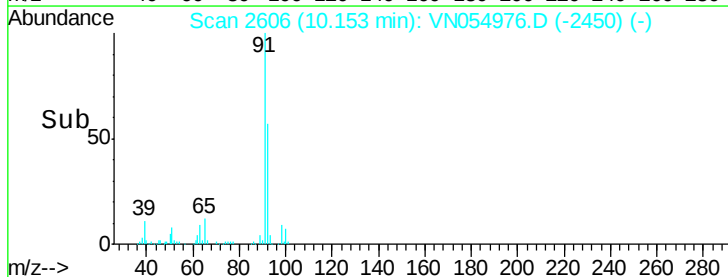
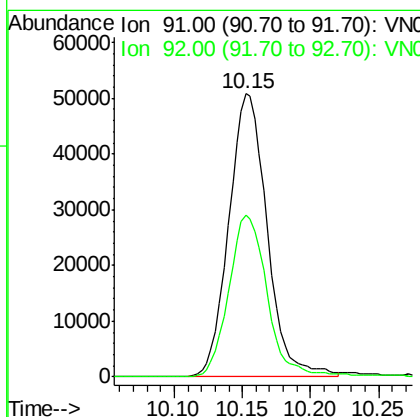
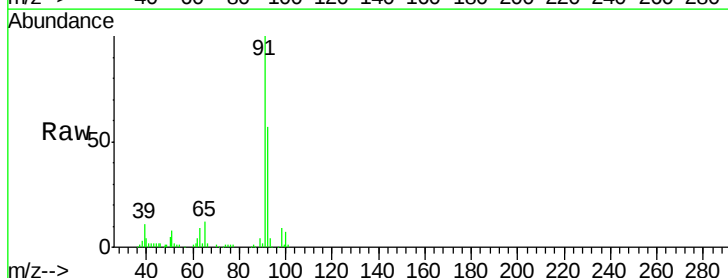
Manual Integrations  
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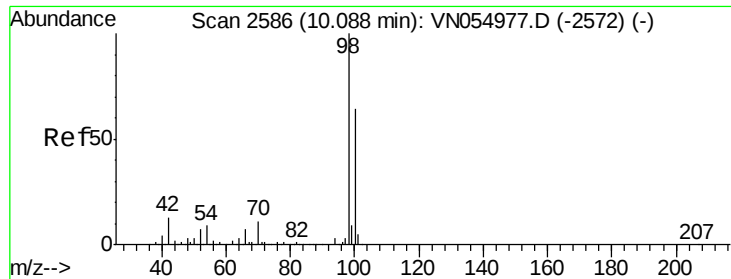
MMDadoda  
4/12/2019 1:41:02 PM



#62  
Toluene  
Concen: 5.886 ug/l  
RT: 10.15 min Scan# 2606  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 56.2  | 44.8  | 67.2  |





#63

Toluene-d8

Concen: 5.886 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

Tot Ion: 98 Resp: 499875

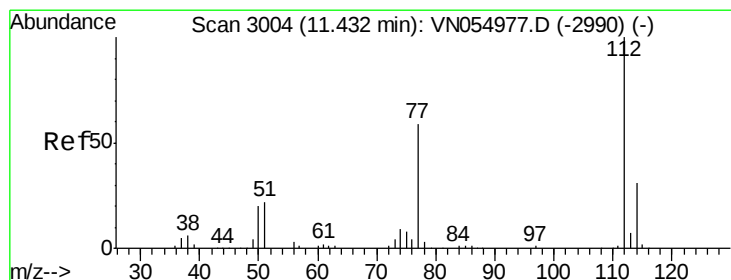
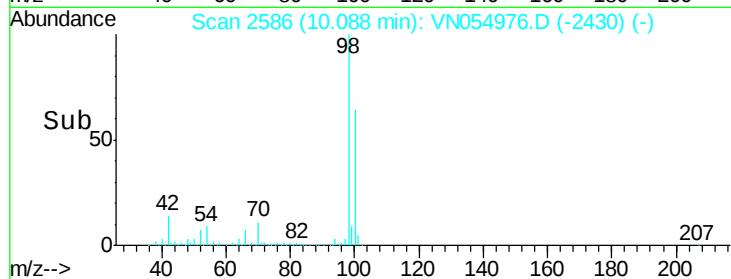
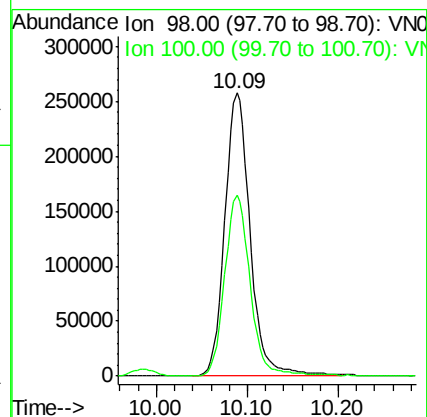
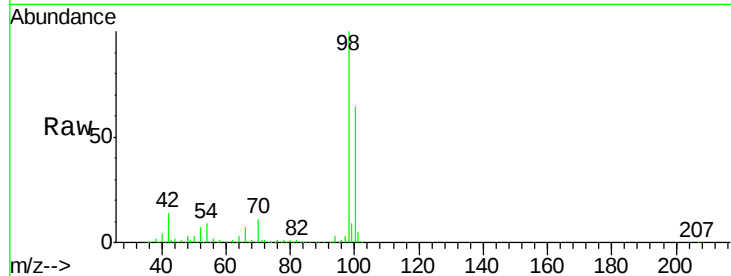
Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7

Manual Integrations  
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4/12/2019 1:41:02 PM



#64

Chlorobenzene

Concen: 5.541 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054976.D

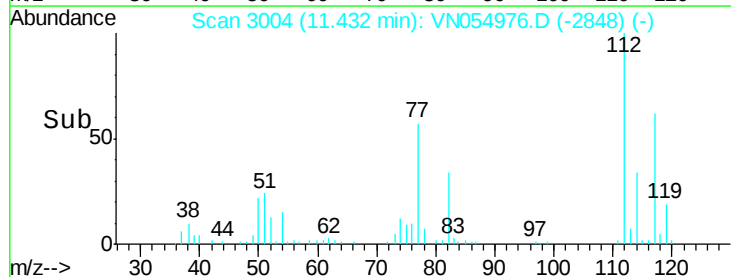
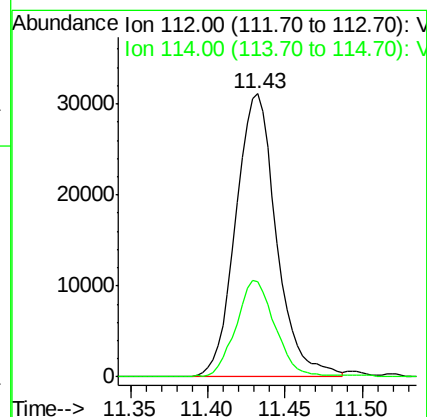
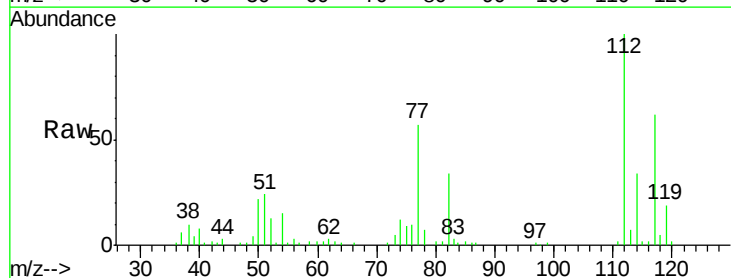
Acq: 11 Apr 2019 14:26

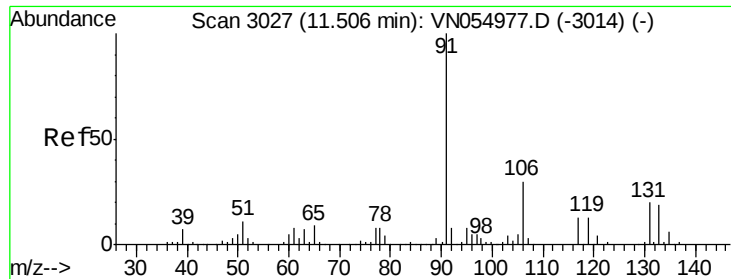
Tgt Ion: 112 Resp: 56949

Ion Ratio Lower Upper

112 100

114 33.6 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 5.252 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

Instrument :

MSVOA\_N

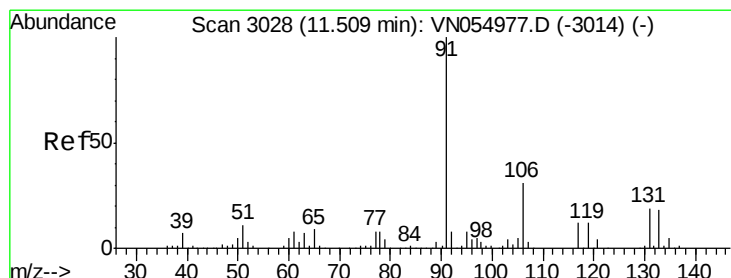
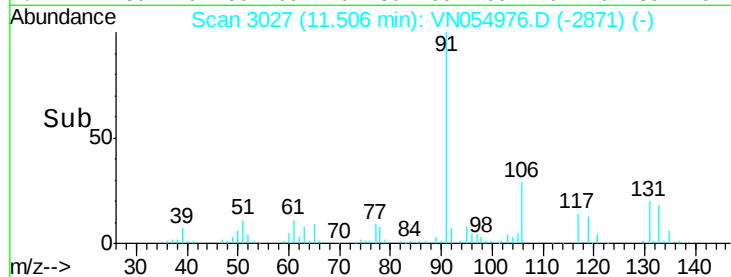
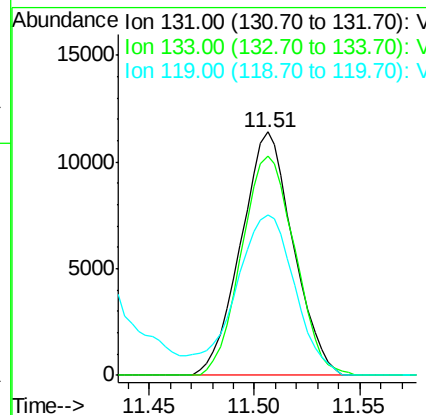
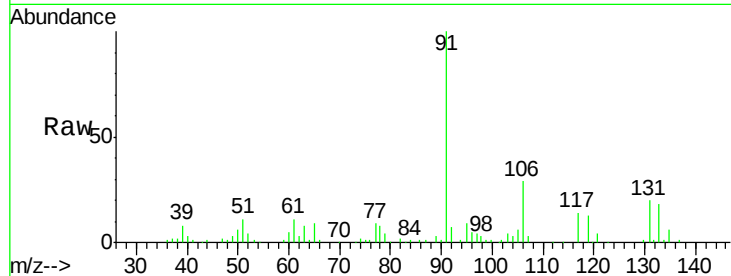
ClientSampleId :

VSTDIC005

Tot Ion:131 Resp: 19705  
 Ion Ratio Lower Upper  
 131 100  
 133 91.7 0.0 187.8  
 119 73.2 0.0 131.4

Manual Integrations  
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 4/12/2019 1:41:02 PM



#66

Ethyl Benzene

Concen: 5.802 ug/l

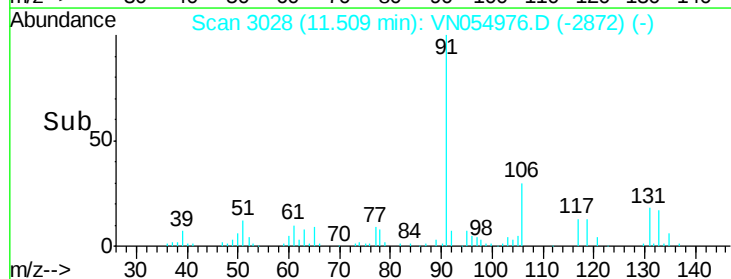
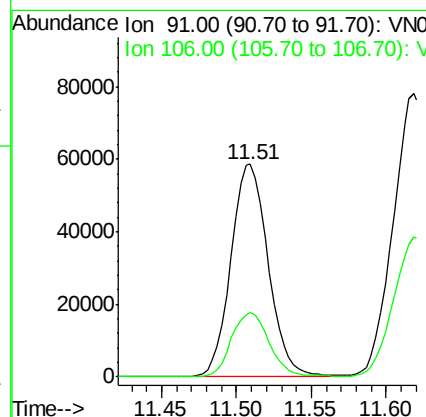
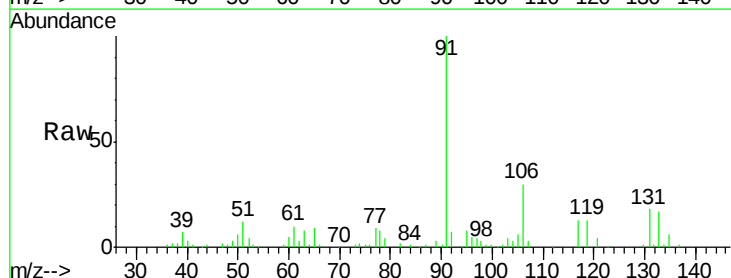
RT: 11.51 min Scan# 3028

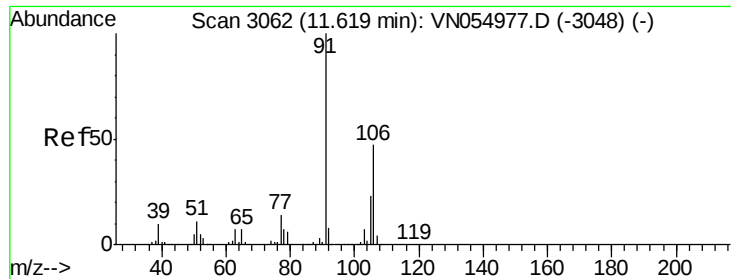
Delta R.T. 0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

Tgt Ion: 91 Resp: 102142  
 Ion Ratio Lower Upper  
 91 100  
 106 30.2 24.6 36.8





#67

m/p-Xvlenes

Concen: 11.146 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

Tot Ion:106 Resp: 73540

Ion Ratio Lower Upper

106 100

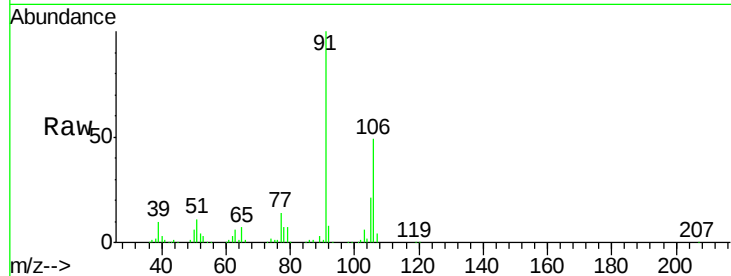
91 207.2 167.4 251.2

Manual Integrations

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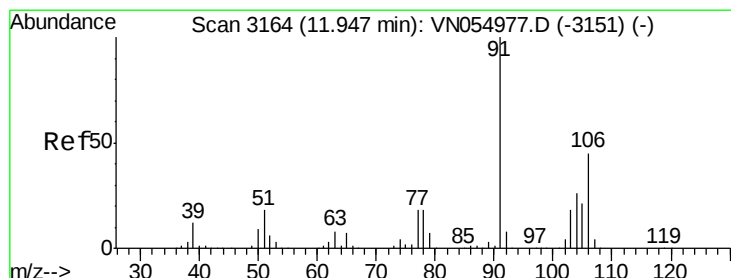
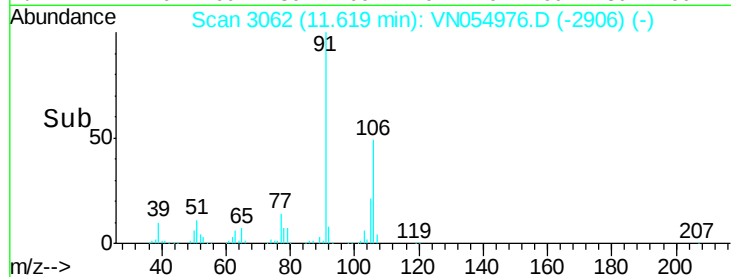
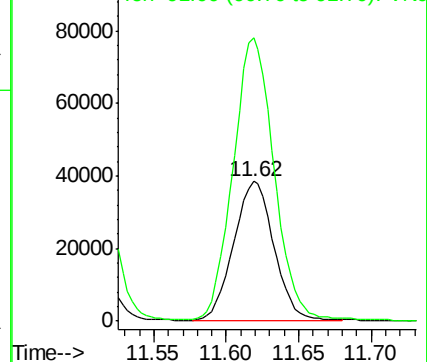
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 5.782 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. -0.00 min

Lab File: VN054976.D

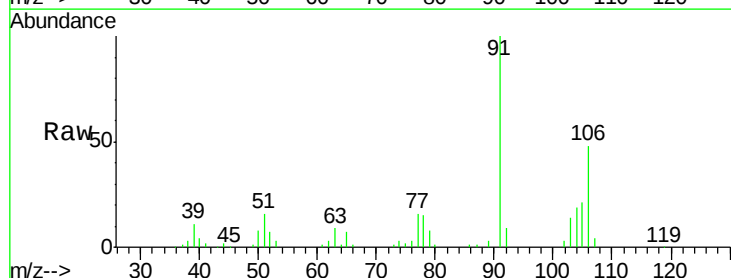
Acq: 11 Apr 2019 14:26

Tgt Ion:106 Resp: 37126

Ion Ratio Lower Upper

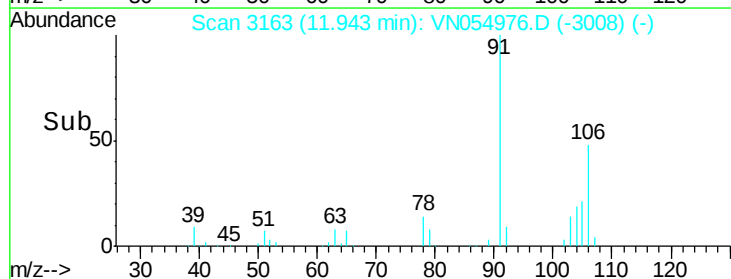
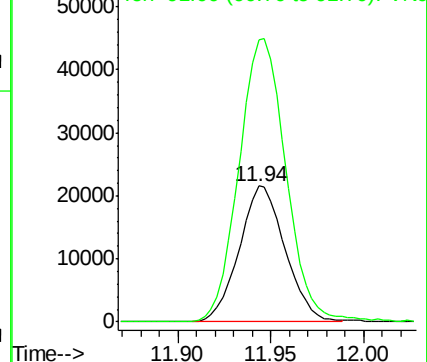
106 100

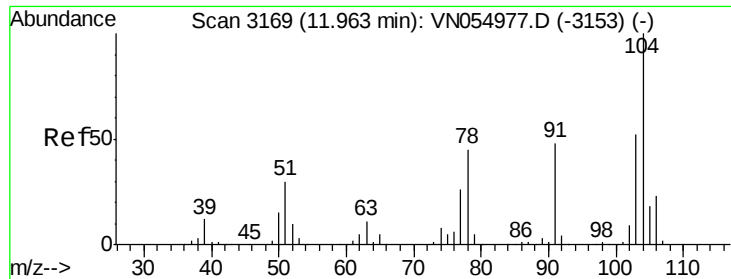
91 213.1 110.3 330.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





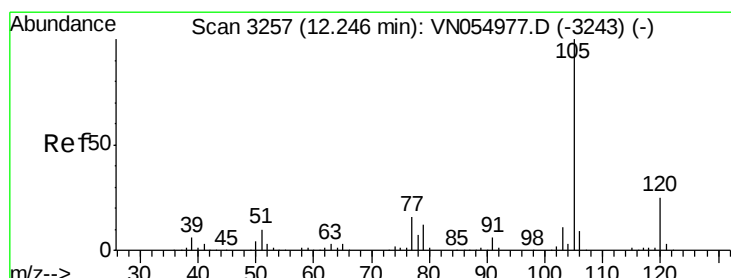
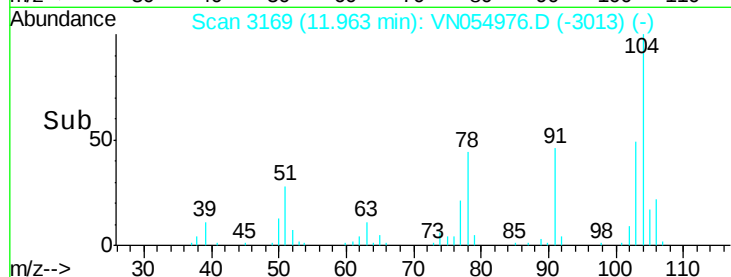
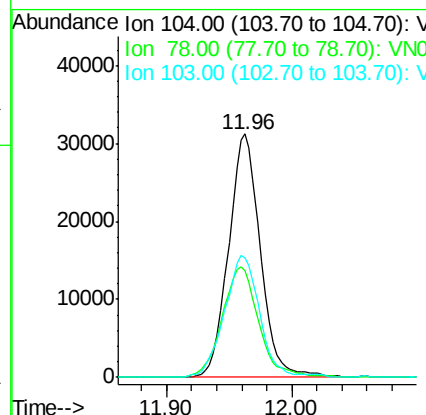
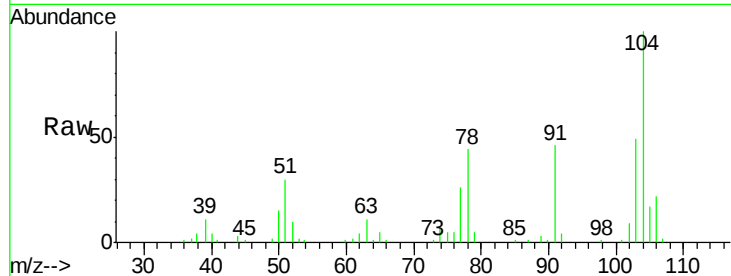
#69  
Stvrene  
Concen: 5.466 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 51.8  | 41.2  | 61.8  |
| 103     | 55.2  | 44.6  | 67.0  |

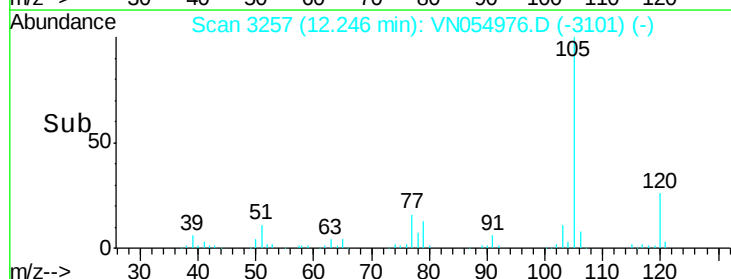
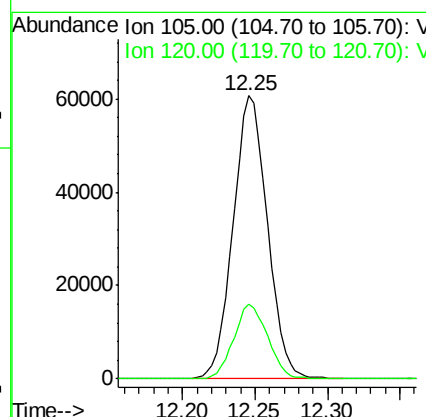
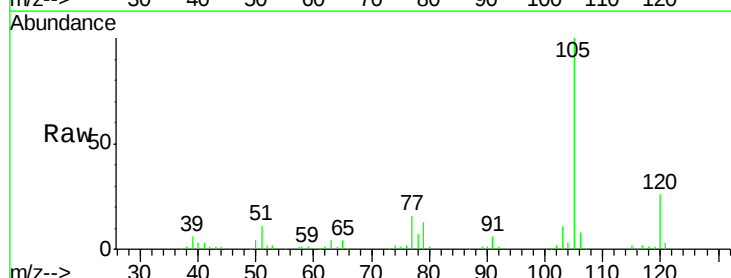
Manual Integrations  
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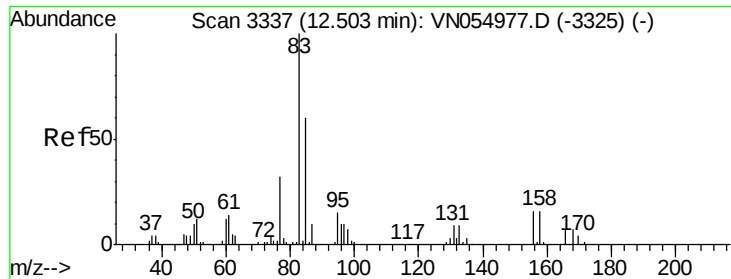
MMDadoda  
4/12/2019 1:41:02 PM



#70  
Isopropylbenzene  
Concen: 5.914 ug/l  
RT: 12.25 min Scan# 3257  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.0  | 18.3  | 33.9  |





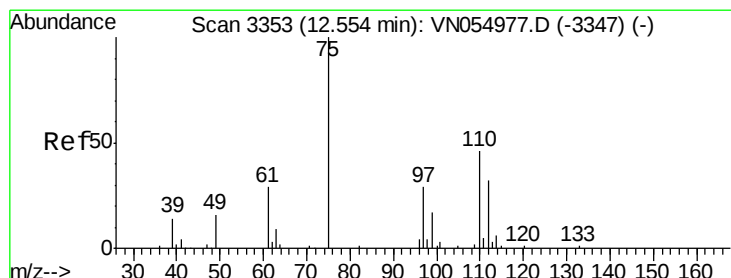
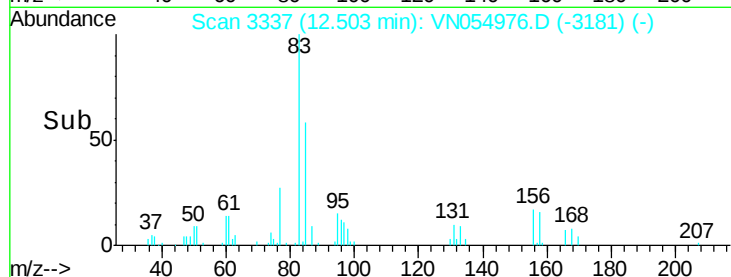
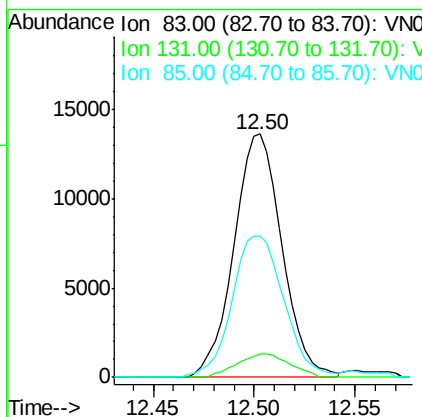
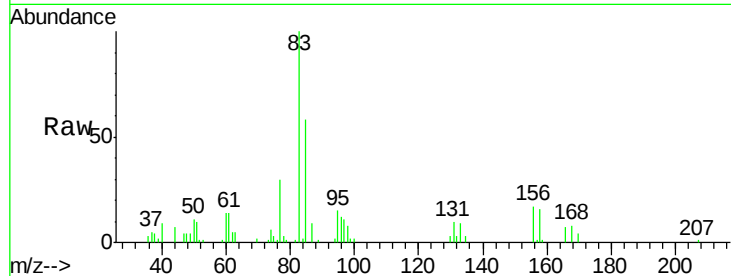
#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 5.510 ug/l  
 RT: 12.50 min Scan# 3337  
 Delta R.T. 0.00 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 83      | 100   | 22761 |       |       |
| 131     | 10.6  | 4.6   | 13.8  |       |
| 85      | 62.5  | 30.9  | 92.5  |       |

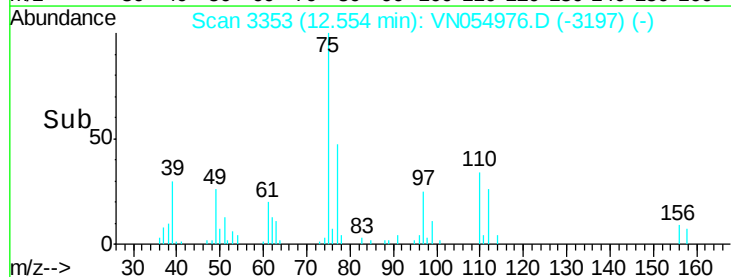
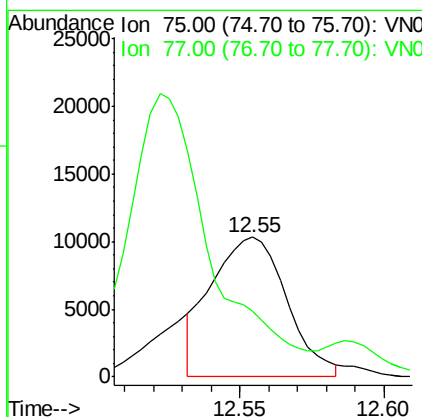
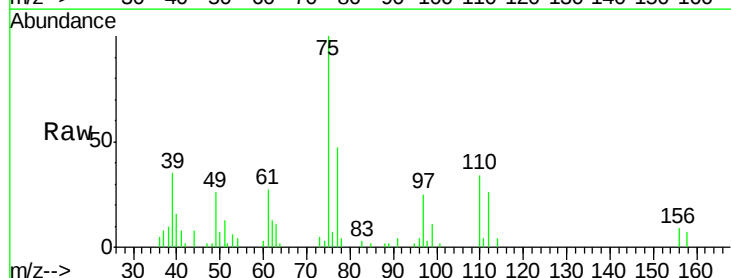
Manual Integrations  
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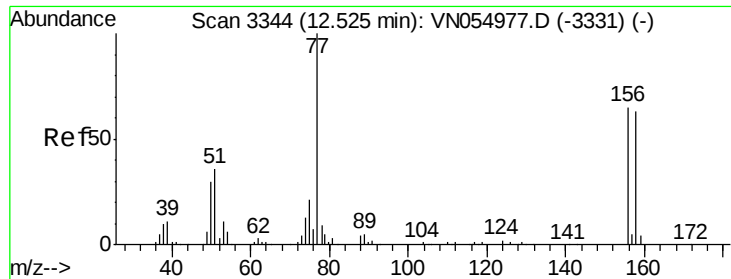
MMDadoda  
 4/12/2019 1:41:02 PM



#72  
 1,2,3-Trichloropropane  
 Concen: 5.969 ug/l m  
 RT: 12.55 min Scan# 3353  
 Delta R.T. 0.00 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 18834 |       |       |
| 77      | 18.8  | 0.0   | 466.6 |       |





#73

Bromobenzene

Concen: 5.296 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

Instrument :

MSVOA\_N

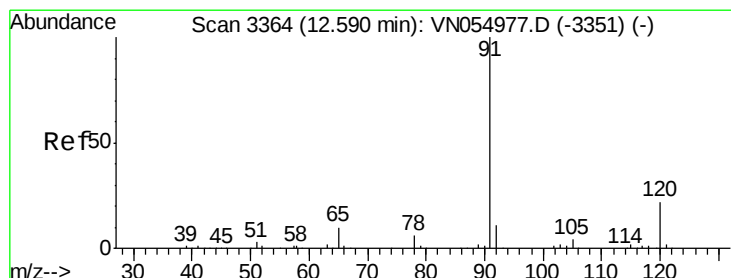
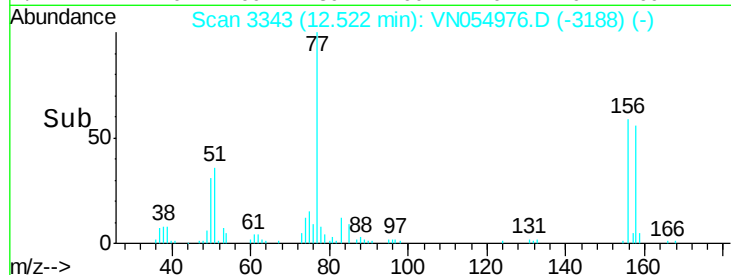
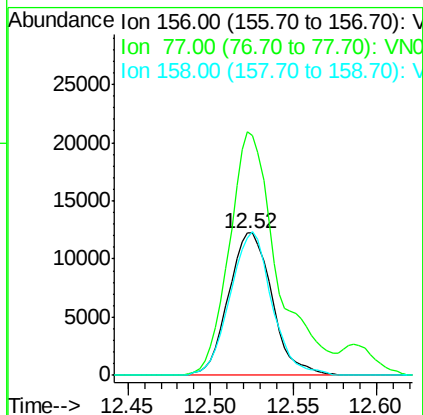
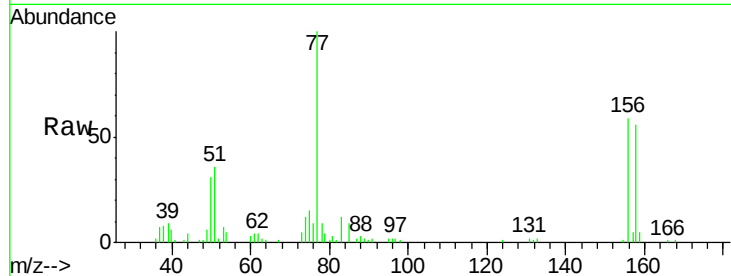
ClientSampled :

VSTDIC005

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 156     | 100   |       | 22373 |       |       |
| 77      | 188.5 | 0.0   | 383.2 |       |       |
| 158     | 96.2  | 0.0   | 193.8 |       |       |

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#74

n-propylbenzene

Concen: 5.177 ug/l

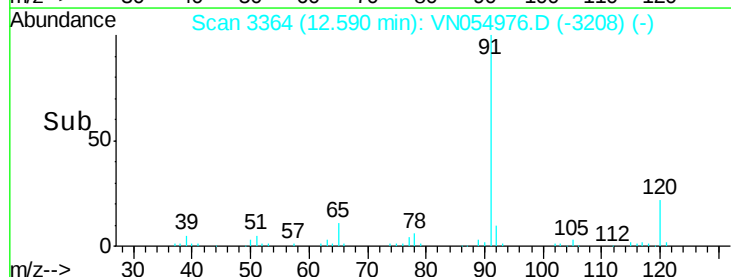
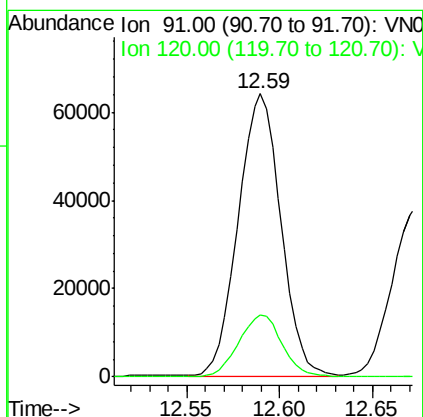
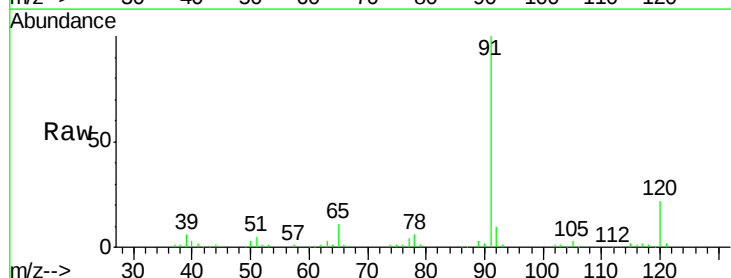
RT: 12.59 min Scan# 3364

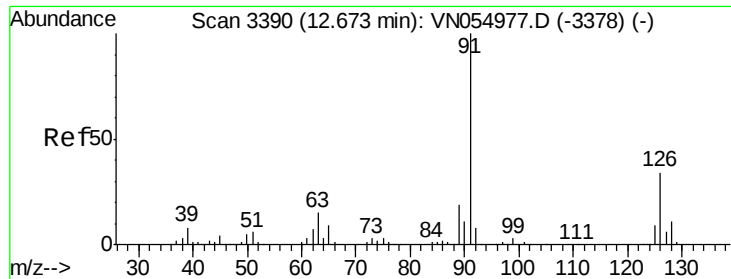
Delta R.T. 0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 103373 |       |       |
| 120     | 22.1 | 0.0   | 44.4   |       |       |





#75

2-Chlorotoluene

Concen: 5.598 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 65698

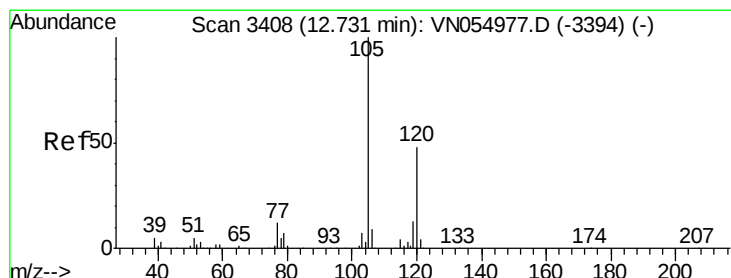
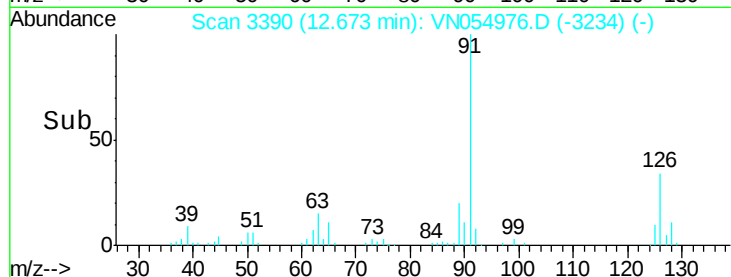
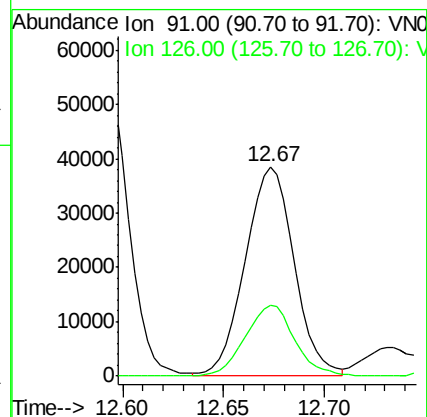
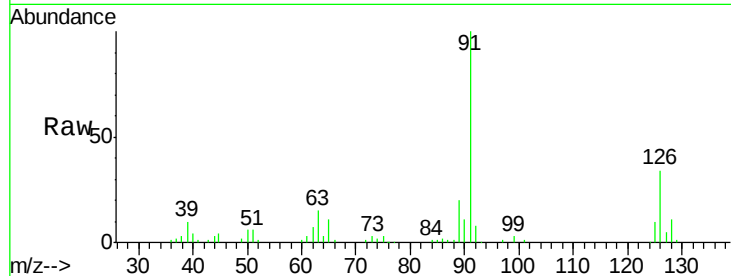
Ion Ratio Lower Upper

91 100

126 34.2 0.0 67.4

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#76

1,3,5-Trimethylbenzene

Concen: 5.574 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054976.D

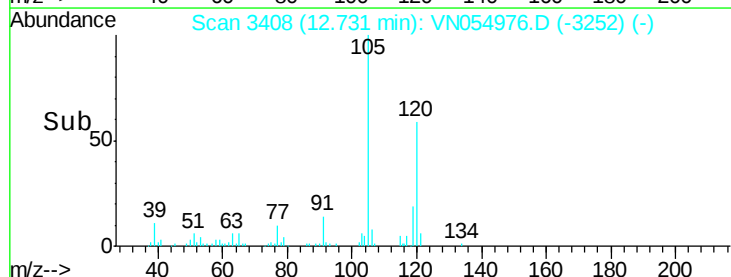
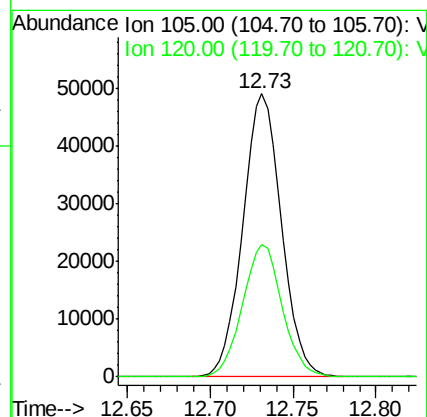
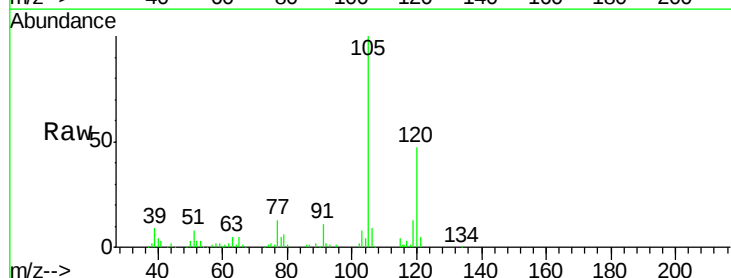
Acq: 11 Apr 2019 14:26

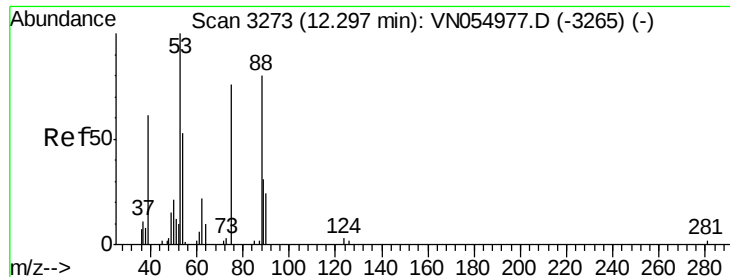
Tgt Ion: 105 Resp: 79217

Ion Ratio Lower Upper

105 100

120 47.8 0.0 94.8





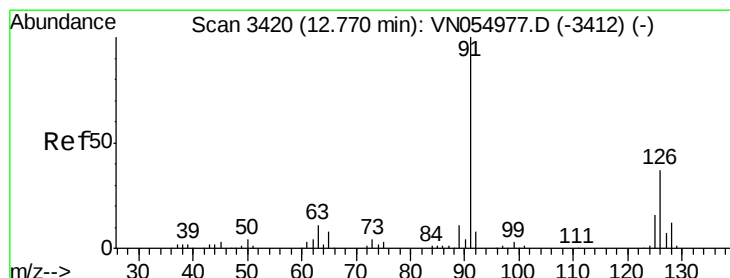
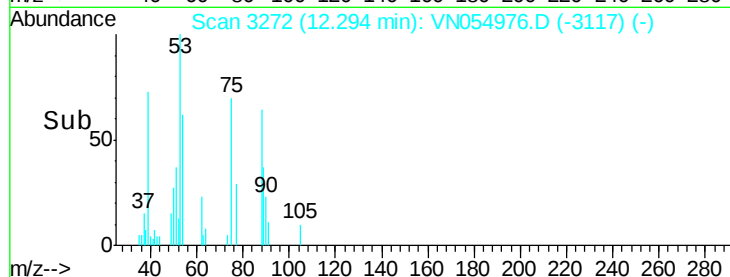
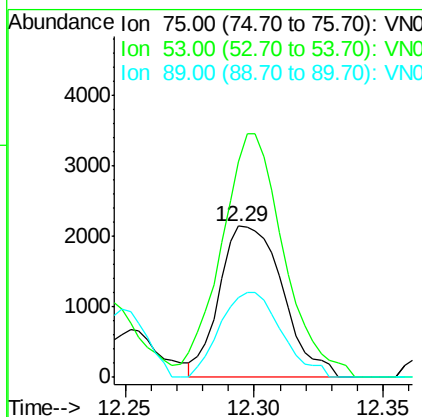
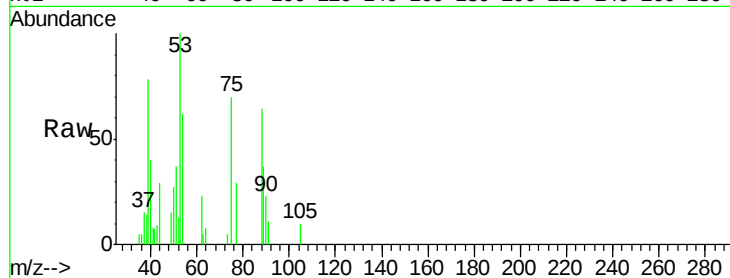
#77  
t-1,4-Dichloro-2-butene  
Concen: 3.430 ug/l  
RT: 12.29 min Scan# 3272  
Delta R.T. -0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 133.6 | 64.3  | 192.7 |
| 89      | 52.7  | 21.6  | 65.0  |

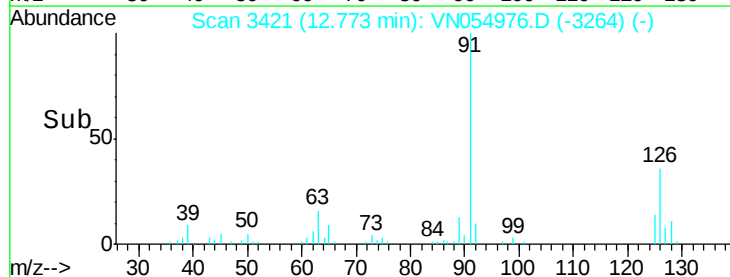
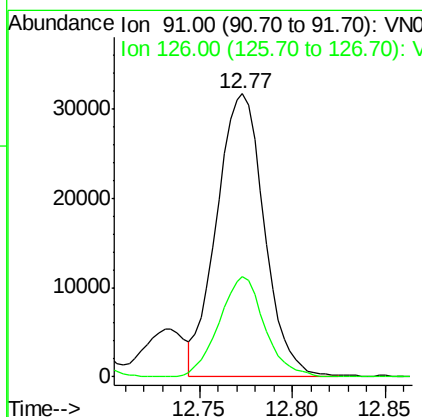
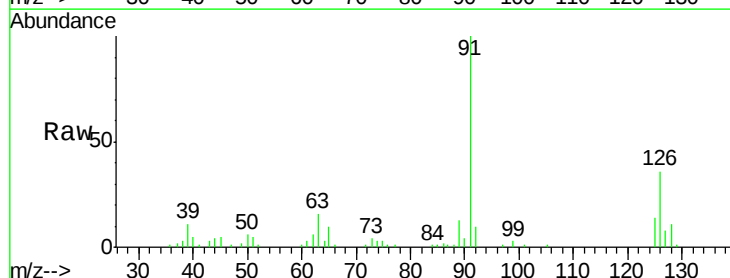
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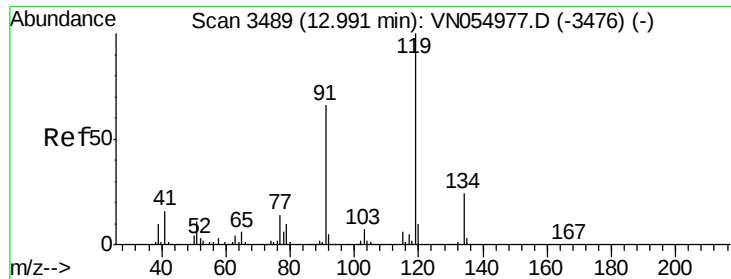
MMDadoda  
4/12/2019 1:41:02 PM



#78  
4-Chlorotoluene  
Concen: 4.855 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.7  | 0.0   | 66.6  |





#79

tert-butylbenzene

Concen: 5.489 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

Instrument :

MSVOA\_N

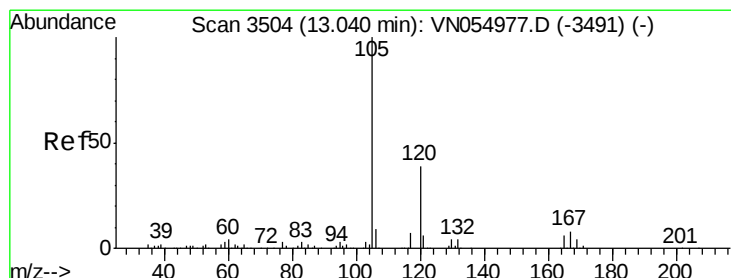
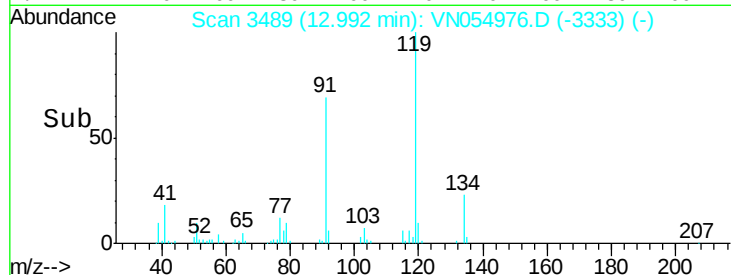
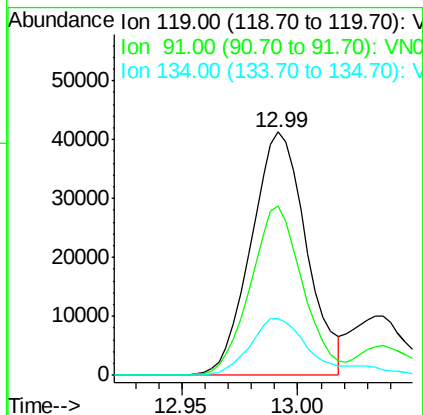
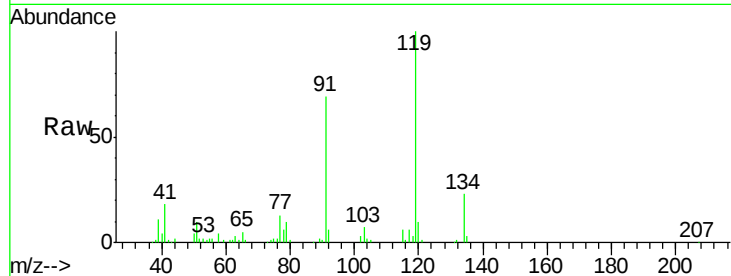
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 119   | Resp: | 68512 |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 91       | 66.2  | 0.0   | 132.6 |
| 134      | 24.0  | 0.0   | 47.6  |

Manual Integrations  
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4/12/2019 1:41:02 PM



#80

1,2,4-Trimethylbenzene

Concen: 5.264 ug/l

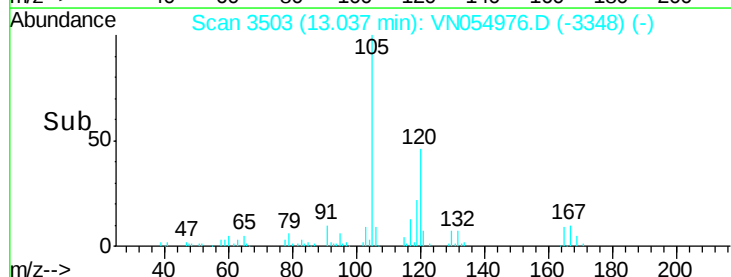
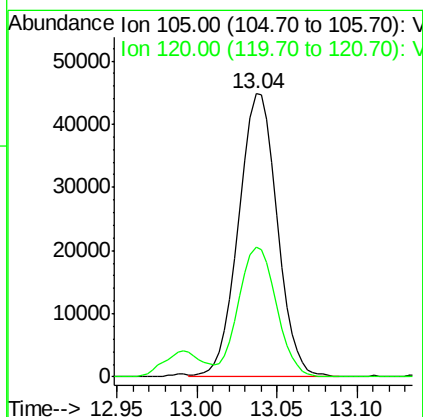
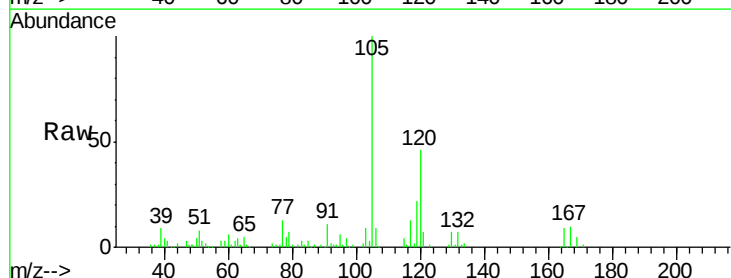
RT: 13.04 min Scan# 3503

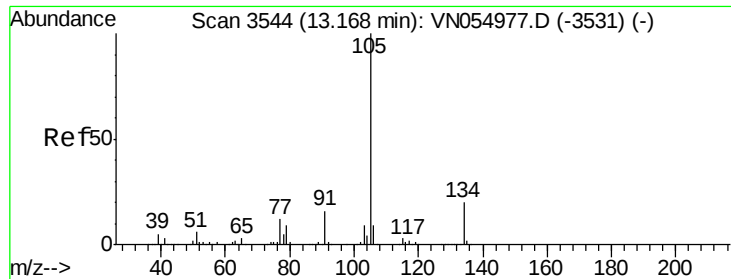
Delta R.T. -0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 73972 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 45.0  | 0.0   | 91.4  |





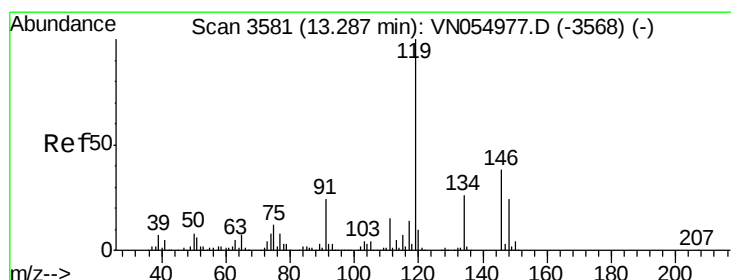
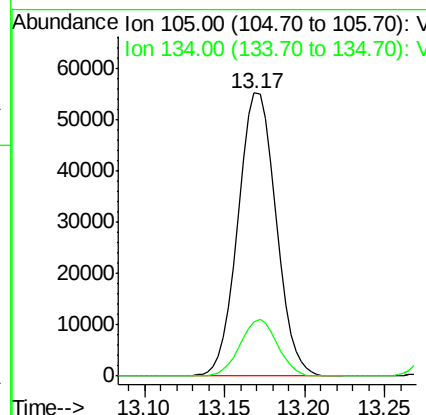
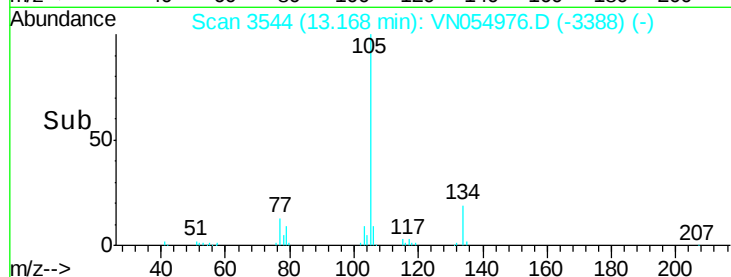
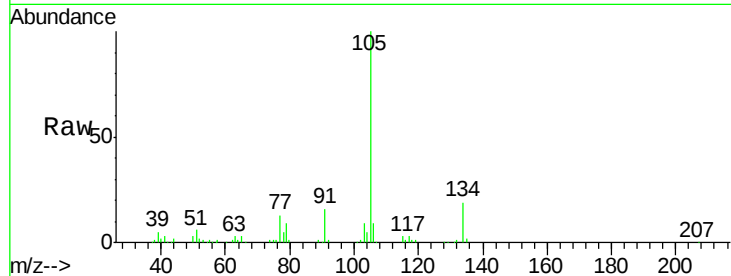
#81  
 sec-Butylbenzene  
 Concen: 5.243 ug/l  
 RT: 13.17 min Scan# 3544  
 Delta R.T. 0.00 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.6  | 0.0   | 40.0  |

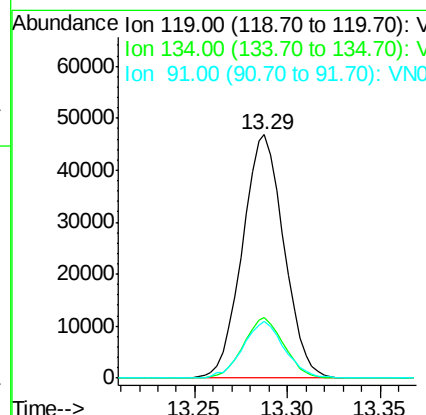
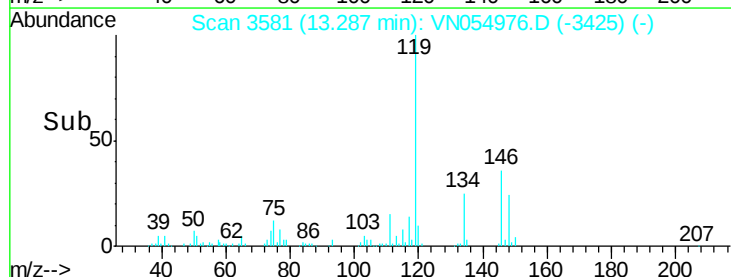
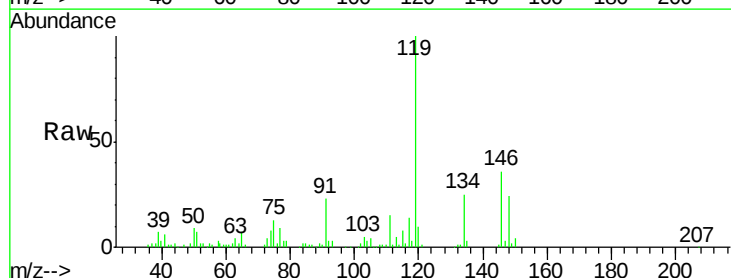
Manual Integrations  
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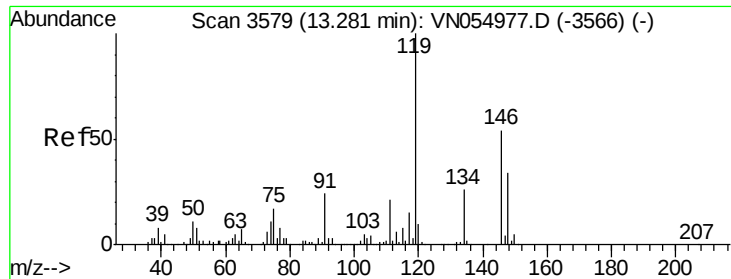
MMDadoda  
 4/12/2019 1:41:02 PM



#82  
 p-Isopropyltoluene  
 Concen: 5.017 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 24.2  | 0.0   | 53.2  |
| 91      | 23.2  | 0.0   | 47.8  |





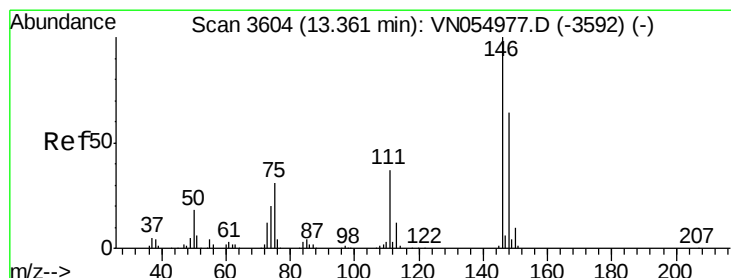
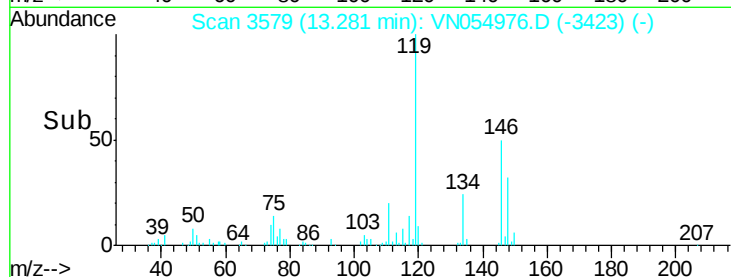
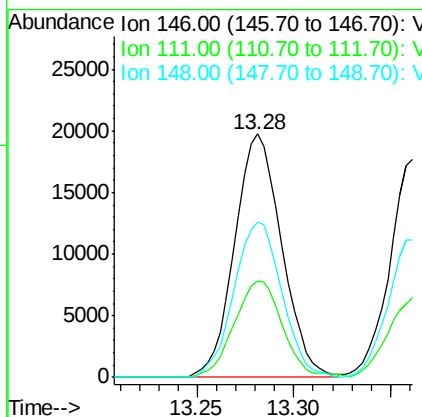
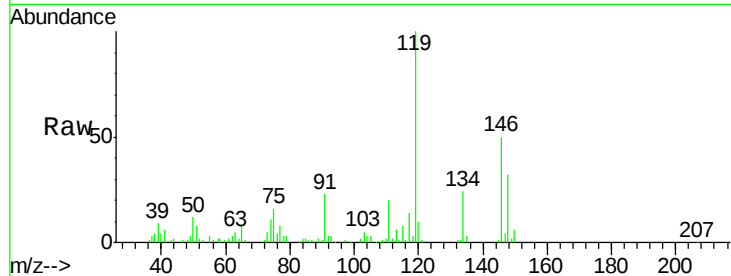
#83  
 1,3-Dichlorobenzene  
 Concen: 4.527 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.6  | 19.1  | 57.5  |
| 148     | 64.8  | 31.9  | 95.5  |

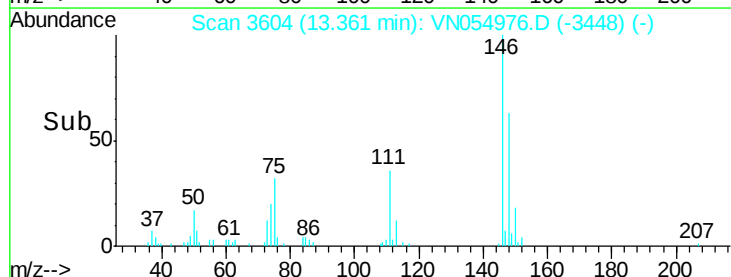
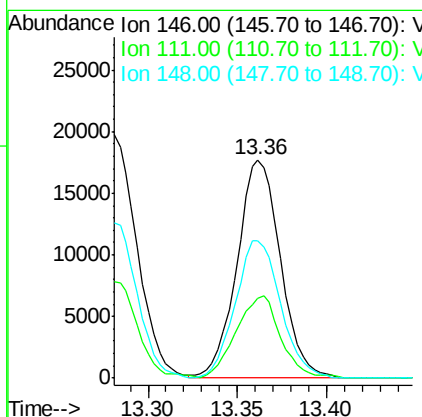
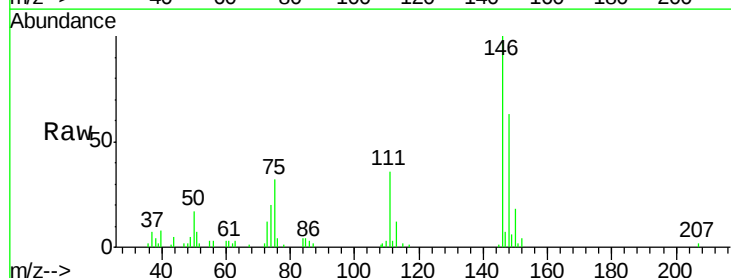
Manual Integrations  
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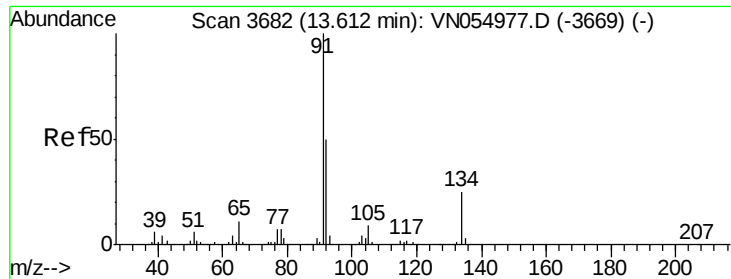
MMDadoda  
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#84  
 1,4-Dichlorobenzene  
 Concen: 4.293 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. 0.00 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.0  | 18.4  | 55.2  |
| 148     | 65.7  | 32.5  | 97.4  |





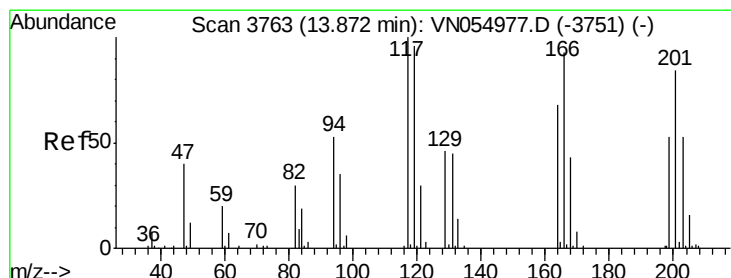
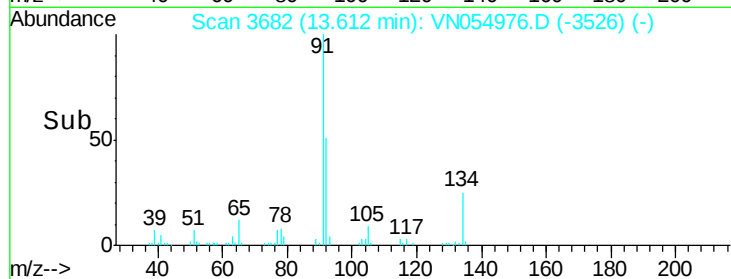
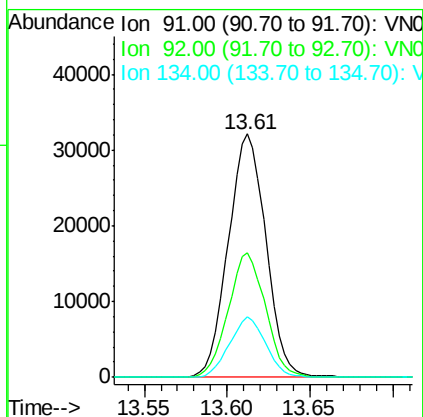
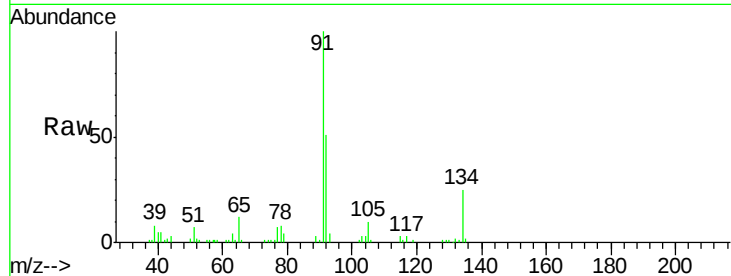
#85  
n-Butylbenzene  
Concen: 4.086 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 50.5  | 0.0   | 101.4 |
| 134     | 23.8  | 0.0   | 49.8  |

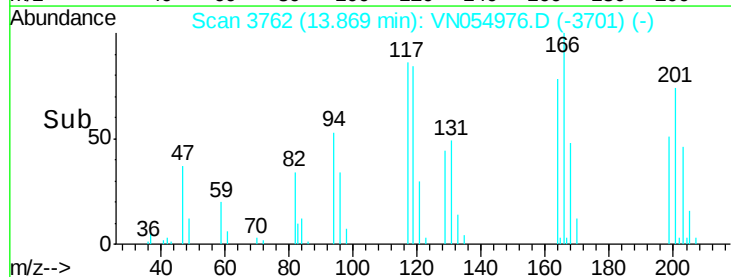
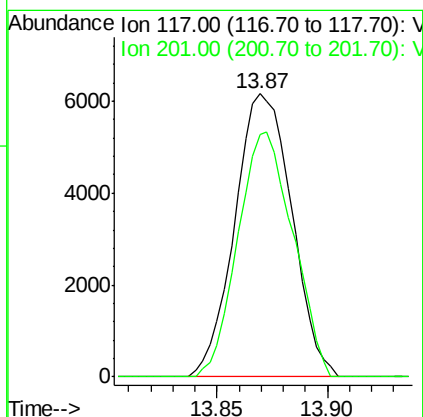
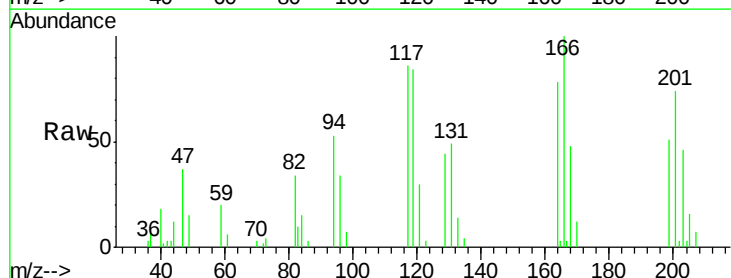
Manual Integrations  
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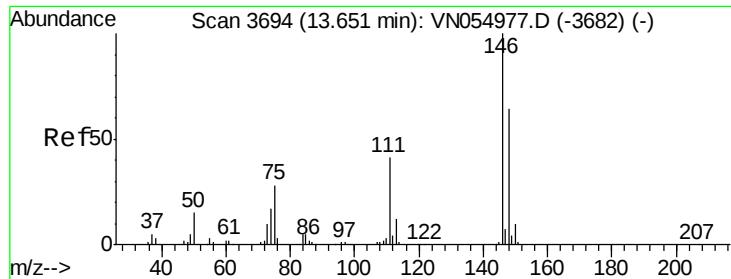
MMDadoda  
4/12/2019 1:41:02 PM



#86  
Hexachloroethane  
Concen: 4.088 ug/l  
RT: 13.87 min Scan# 3762  
Delta R.T. -0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 83.5  | 42.8  | 128.3 |





#87

1,2-Dichlorobenzene

Concen: 4.719 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

Instrument :

MSVOA\_N

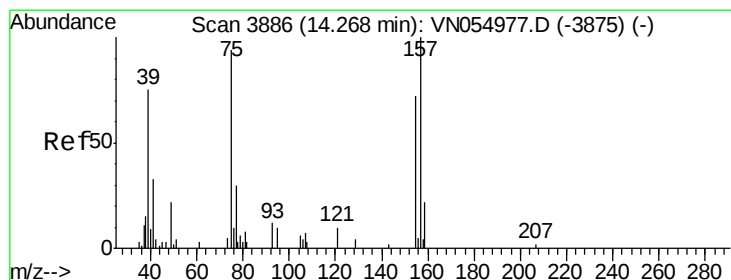
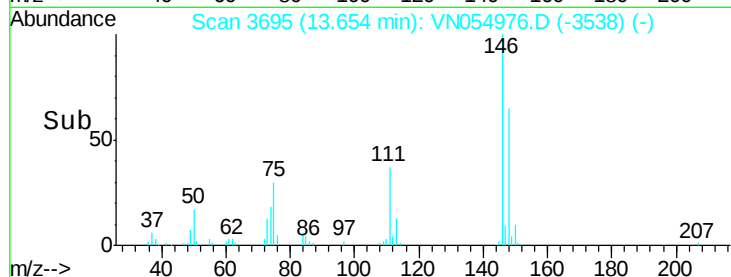
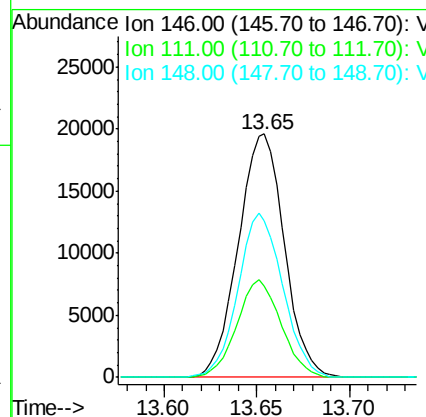
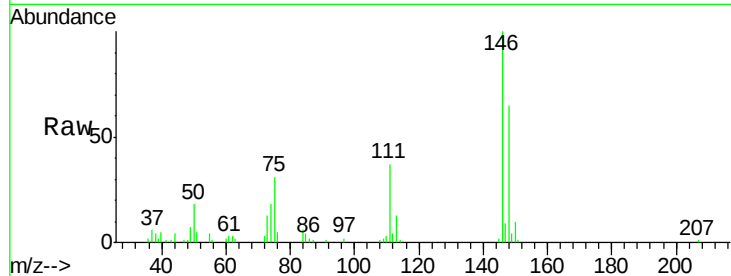
ClientSampled :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 146   | Resp: | 33827 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 38.4  | 20.3  | 60.8  |
| 148       | 65.7  | 32.5  | 97.5  |

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#88

1,2-Dibromo-3-Chloropropane

Concen: 4.081 ug/l

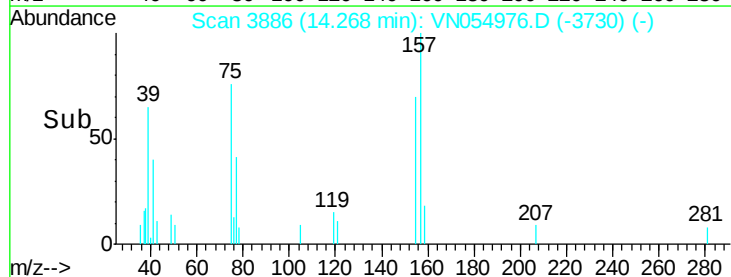
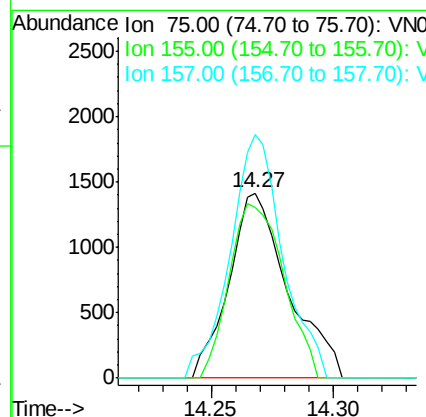
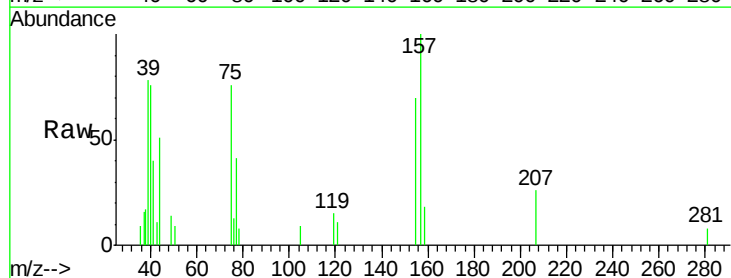
RT: 14.27 min Scan# 3886

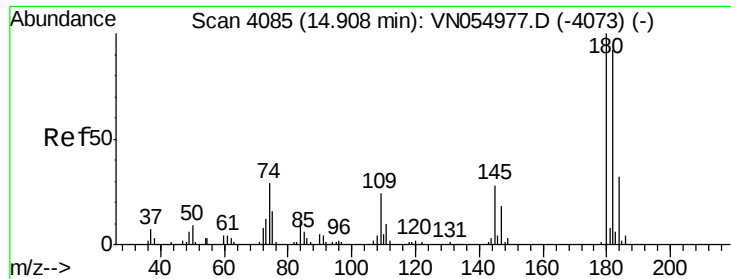
Delta R.T. 0.00 min

Lab File: VN054976.D

Acq: 11 Apr 2019 14:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 2381  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 87.4  | 61.8  | 92.8  |
| 157       | 117.3 | 82.7  | 124.1 |





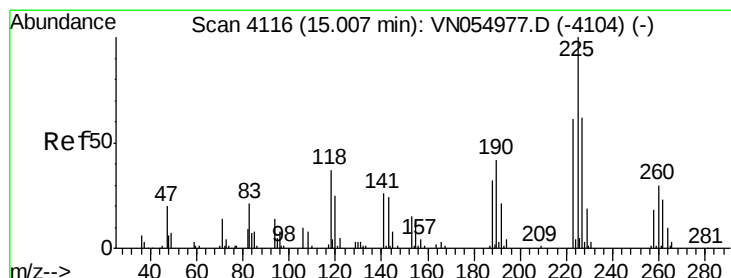
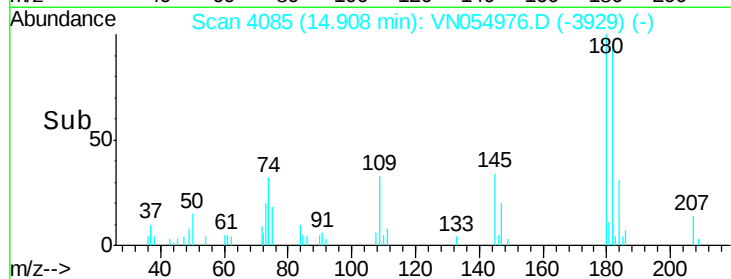
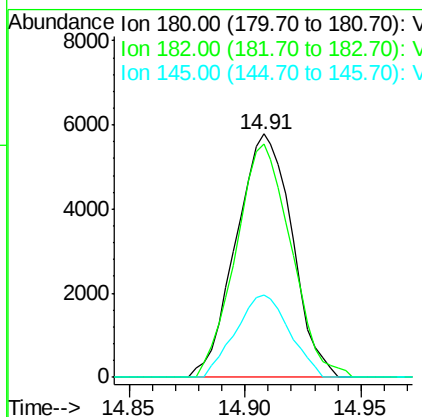
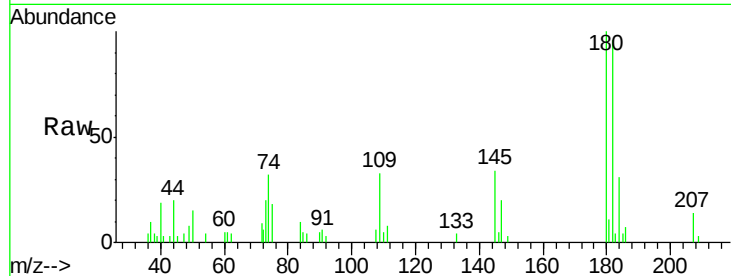
#89  
 1,2,4-Trichlorobenzene  
 Concen: 2.762 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.7  | 73.2  | 109.8 |
| 145     | 32.7  | 23.2  | 34.8  |

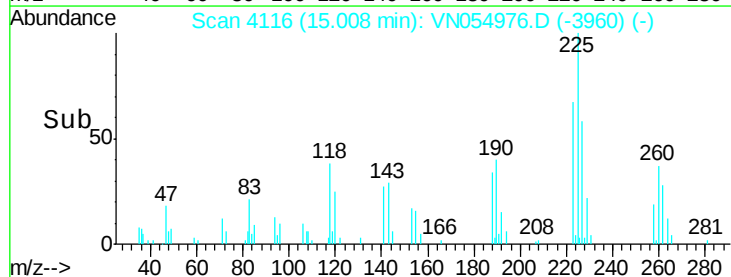
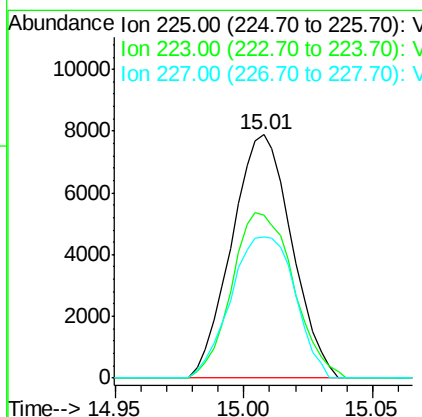
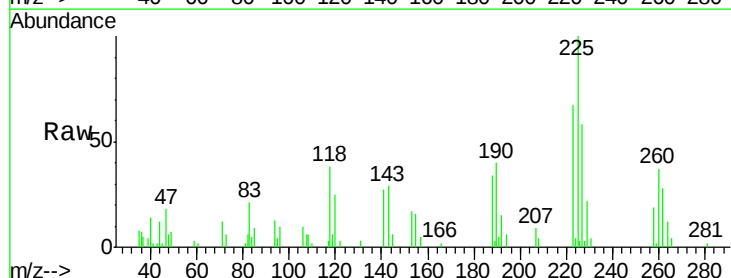
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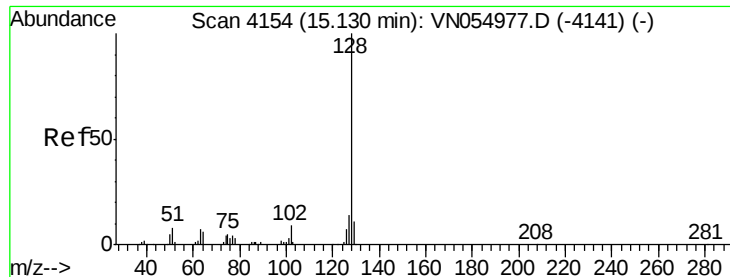
MMDadoda  
 4/12/2019 1:41:02 PM



#90  
 Hexachlorobutadiene  
 Concen: 4.815 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN054976.D  
 Acq: 11 Apr 2019 14:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 69.8  | 0.0   | 126.0 |
| 227     | 62.1  | 0.0   | 125.4 |





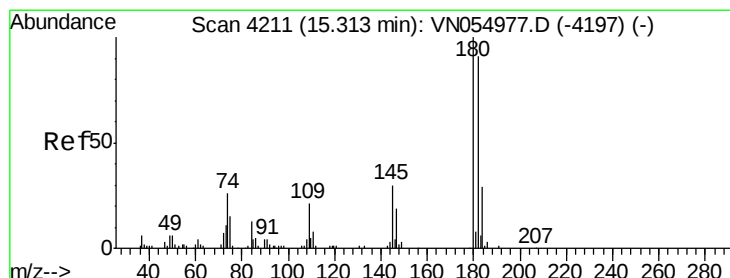
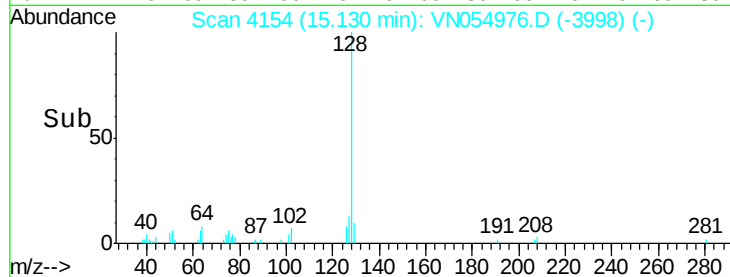
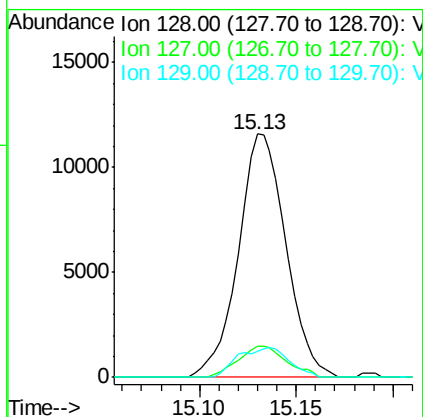
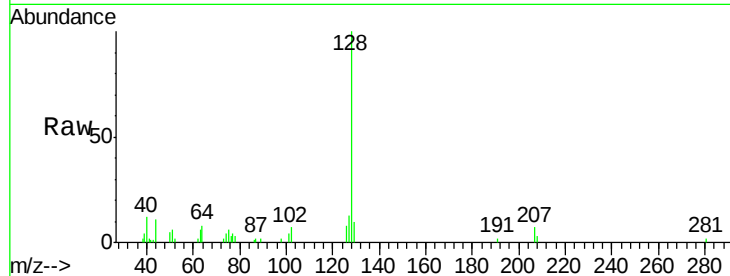
#91  
Naphthalene  
Concen: 2.841 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.6  | 15.8  |
| 129     | 4.7   | 9.0   | 13.6  |

Manual Integrations  
APPROVED

MMDadoda  
4/12/2019 1:41:02 PM



#92  
1,2,3-Trichlorobenzene  
Concen: 3.270 ug/l  
RT: 15.31 min Scan# 4211  
Delta R.T. 0.00 min  
Lab File: VN054976.D  
Acq: 11 Apr 2019 14:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.3  | 0.0   | 188.2 |
| 145     | 32.5  | 0.0   | 61.2  |

