

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\  
 Data File : VN055038.D  
 Acq On : 15 Apr 2019 11:08  
 Operator : JC/SP  
 Sample : VSTDICCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

MMDadoda  
 4/17/2019 1:49:06 PM

Quant Time: Apr 15 12:15:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N041519W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 15 11:57:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 422893   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 672336   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 592496   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 254806   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 269532   | 50.79 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.58% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 219344   | 51.18 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.36% |          |
| 50) Toluene-d8              | 10.09 | 98   | 810464   | 51.48 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.96% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 271008   | 51.11 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.22% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85   | 231518   | 49.633  | ug/l  | 99     |
| 3) Chloromethane              | 2.06 | 50   | 296825   | 47.452  | ug/l  | 98     |
| 4) Vinyl Chloride             | 2.19 | 62   | 245179   | 48.302  | ug/l  | 98     |
| 5) Bromomethane               | 2.55 | 94   | 139409   | 47.444  | ug/l  | 99     |
| 6) Chloroethane               | 2.70 | 64   | 134773   | 48.146  | ug/l  | 95     |
| 7) Trichlorofluoromethane     | 3.02 | 101  | 313492   | 49.236  | ug/l  | 99     |
| 8) Diethyl Ether              | 3.41 | 74   | 98439    | 49.160  | ug/l  | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101  | 161187   | 48.537  | ug/l  | 100    |
| 10) Methyl Iodide             | 3.94 | 142  | 244250   | 50.997  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 4.82 | 59   | 75125    | 230.044 | ug/l  | 98     |
| 12) 1,1-Dichloroethene        | 3.73 | 96   | 156625   | 47.903  | ug/l  | 94     |
| 13) Acrolein                  | 3.61 | 56   | 85264    | 216.306 | ug/l  | 98     |
| 14) Allyl chloride            | 4.32 | 41   | 406423   | 50.874  | ug/l  | 100    |
| 15) Acrylonitrile             | 5.00 | 53   | 466918   | 259.226 | ug/l  | 99     |
| 16) Acetone                   | 3.82 | 43   | 347570   | 238.403 | ug/l  | 99     |
| 17) Carbon Disulfide          | 4.04 | 76   | 517500   | 48.593  | ug/l  | 98     |
| 18) Methyl Acetate            | 4.33 | 43   | 217034   | 48.024  | ug/l  | 100    |
| 19) Methyl tert-butyl Ether   | 5.05 | 73   | 599700   | 51.335  | ug/l  | 99     |
| 20) Methylene Chloride        | 4.54 | 84   | 240923   | 45.096  | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene  | 5.03 | 96   | 216231   | 50.201  | ug/l  | 95     |
| 22) Diisopropyl ether         | 5.96 | 45   | 838221   | 51.749  | ug/l  | 99     |
| 23) Vinyl Acetate             | 5.90 | 43   | 2995449  | 264.402 | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 5.84 | 63   | 437805   | 50.045  | ug/l  | 99     |
| 25) 2-Butanone                | 6.85 | 43   | 591802   | 263.561 | ug/l  | 99     |
| 26) 2,2-Dichloropropane       | 6.82 | 77   | 284484   | 49.153  | ug/l  | 98     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96   | 253554   | 50.672  | ug/l  | 99     |
| 28) Bromochloromethane        | 7.19 | 49   | 204007   | 49.151  | ug/l  | 98     |
| 29) Tetrahydrofuran           | 7.22 | 42   | 381362   | 259.085 | ug/l  | 99     |
| 30) Chloroform                | 7.37 | 83   | 416114   | 49.880  | ug/l  | 100    |
| 31) Cyclohexane               | 7.65 | 56   | 398019   | 41.345  | ug/l  | 99     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97   | 337222   | 50.742  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75   | 309814   | 49.859  | ug/l  | 99     |
| 37) Ethyl Acetate             | 6.94 | 43   | 252585   | 54.148  | ug/l  | 98     |
| 38) Carbon Tetrachloride      | 7.77 | 117  | 284328   | 48.612  | ug/l  | 99     |

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDICCC050

Manual Integrations  
 APPROVED

MMDadoda  
 4/17/2019 1:49:06 PM

Quant Time: Apr 15 12:15:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N041519W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 15 11:57:07 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 336165   | 47.256  | ug/l   | 100      |
| 40) Benzene                    | 8.04  | 78   | 945500   | 50.330  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.17  | 41   | 142132   | 49.518  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 326567   | 49.415  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.17  | 43   | 417320   | 52.320  | ug/l   | 99       |
| 44) Trichloroethene            | 8.83  | 130  | 237526   | 49.475  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 260637   | 49.164  | ug/l   | 100      |
| 46) Dibromomethane             | 9.21  | 93   | 153300   | 50.466  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 313634   | 50.771  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 203509   | 49.528  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 37513    | 848.908 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1215752  | 260.313 | ug/l   | 99       |
| 52) Toluene                    | 10.15 | 92   | 556406   | 50.080  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 296076   | 52.931  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 360990   | 52.390  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 209291   | 50.568  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 280468   | 52.663  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 368889   | 51.667  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 530505   | 254.585 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 760542   | 260.595 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 219053   | 53.172  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 201096   | 50.748  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 220445   | 47.565  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.43 | 112  | 583789   | 51.100  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 215785   | 51.253  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1043719  | 49.736  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 781637   | 101.806 | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 382613   | 50.367  | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 643113   | 53.393  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 136872   | 53.816  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 1000976  | 46.203  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 324356   | 49.672  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 267580   | 47.705  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 206048m  | 43.954  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 251817   | 47.317  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 1123947  | 47.618  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 685099   | 46.985  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 828493   | 46.976  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 57653    | 50.762  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 671389   | 47.610  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 688352   | 45.559  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 814162   | 48.144  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 895360   | 46.414  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 790382   | 47.104  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 416312   | 48.102  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 402308   | 48.602  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 636391   | 48.291  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 123328   | 44.480  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 414187   | 49.297  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 37246    | 51.067  | ug/l   | 96       |

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Sample : VSTDICCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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VSTDICCC050

Manual Integrations  
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Quant Title : SW846 8260  
QLast Update : Mon Apr 15 11:57:07 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 184448   | 52.133 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 121905   | 41.631 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 420787   | 50.815 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 183755   | 48.484 | ug/l  | 99       |

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

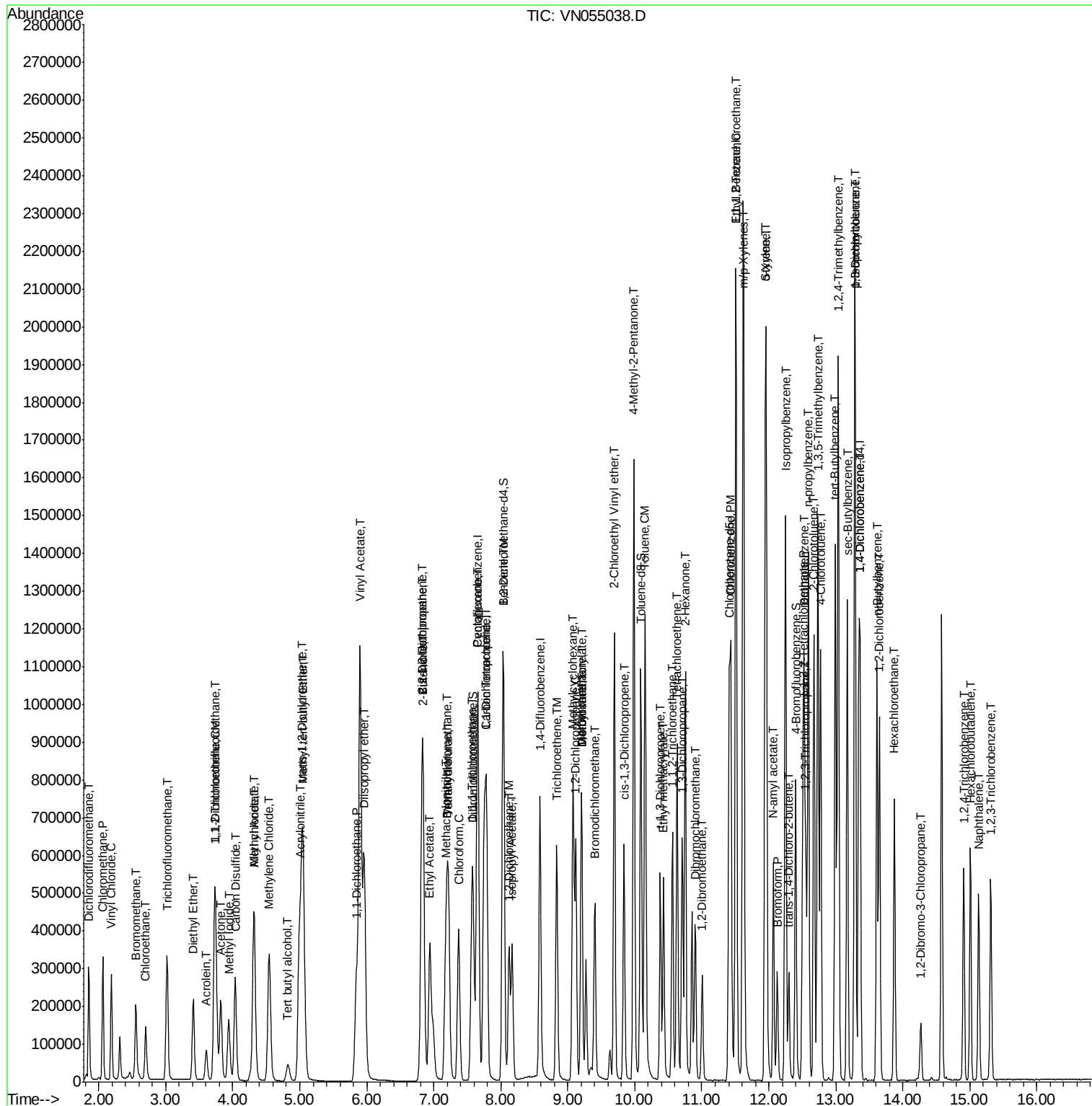
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 Data File : VN055038.D  
 Acq On : 15 Apr 2019 11:08  
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 ALS Vial : 6 Sample Multiplier: 1

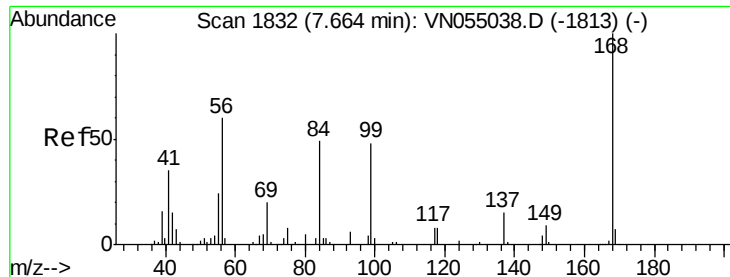
Instrument :  
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Manual Integrations  
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 422893

Ion Ratio Lower Upper

168 100

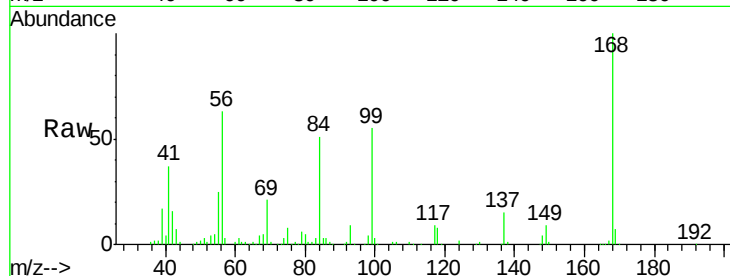
99 54.5 41.9 62.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

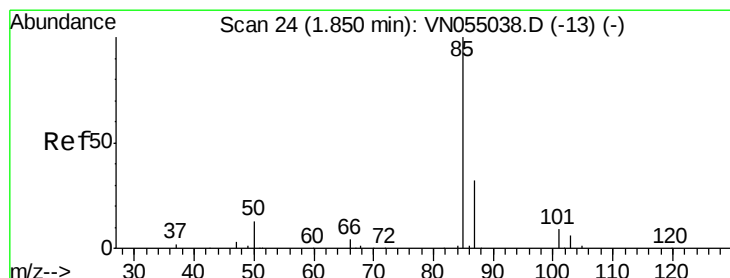
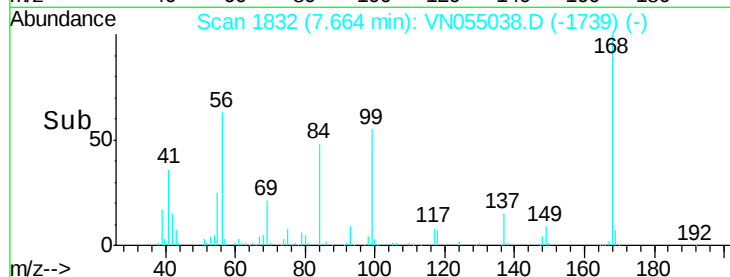
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.633 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055038.D

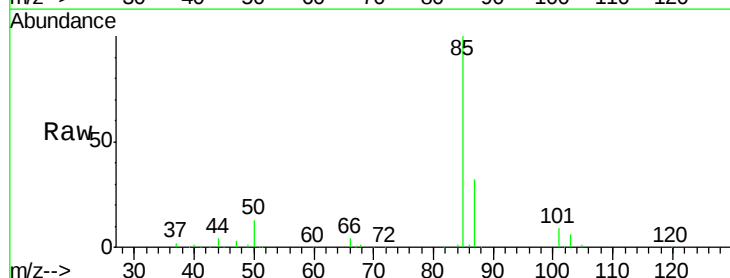
Acq: 15 Apr 2019 11:08

Tgt Ion: 85 Resp: 231518

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

150000

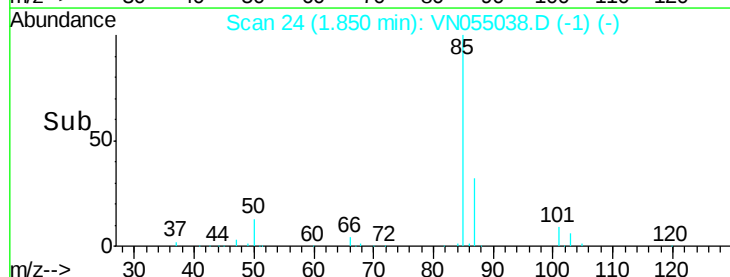
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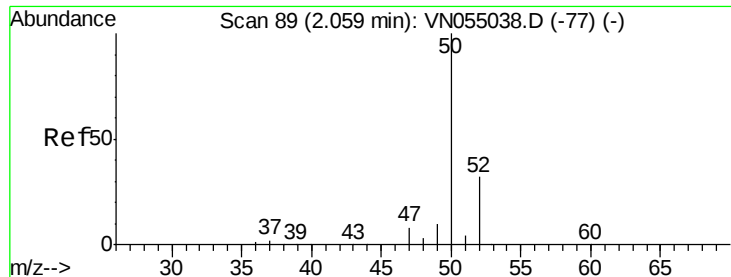
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1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 47.452 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 296825

Ion Ratio Lower Upper

50 100

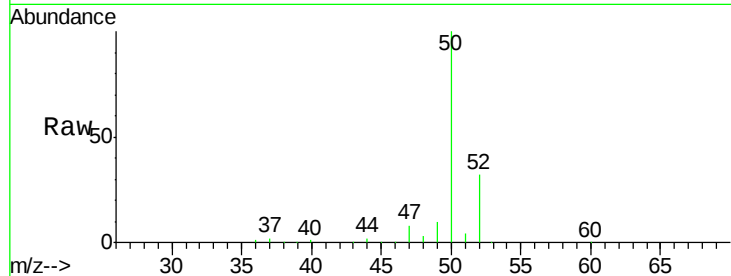
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Manual Integrations

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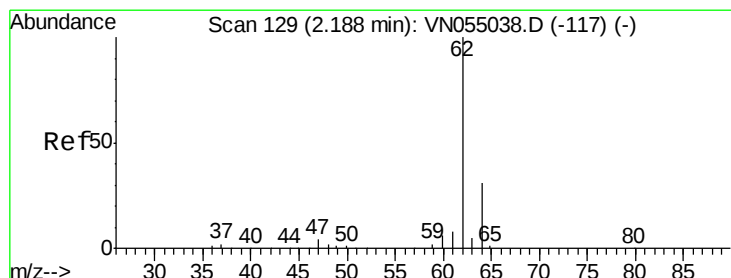
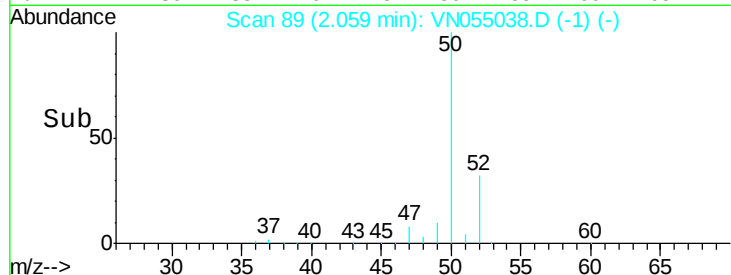
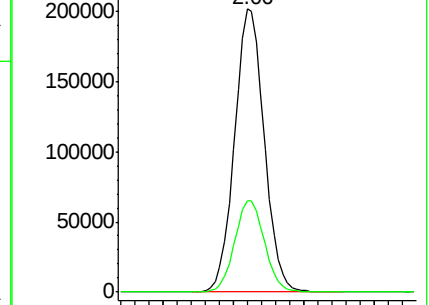
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 48.302 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055038.D

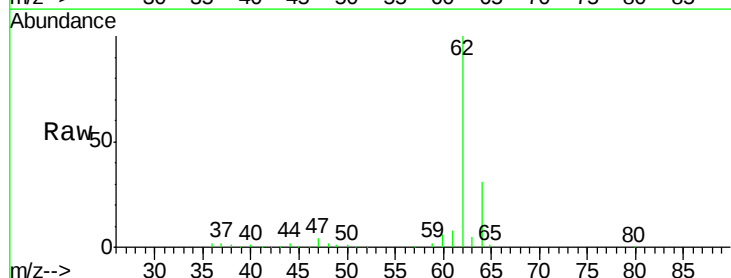
Acq: 15 Apr 2019 11:08

Tgt Ion: 62 Resp: 245179

Ion Ratio Lower Upper

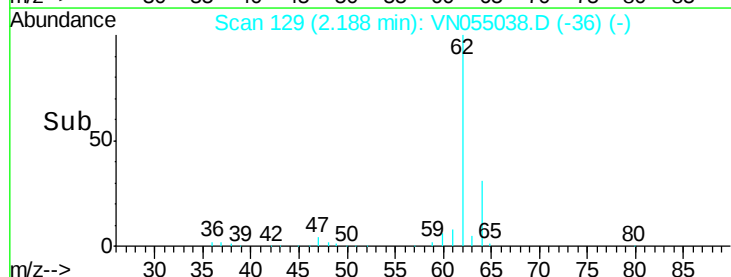
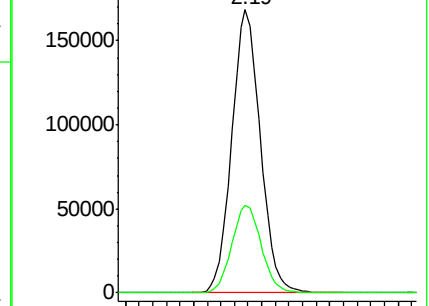
62 100

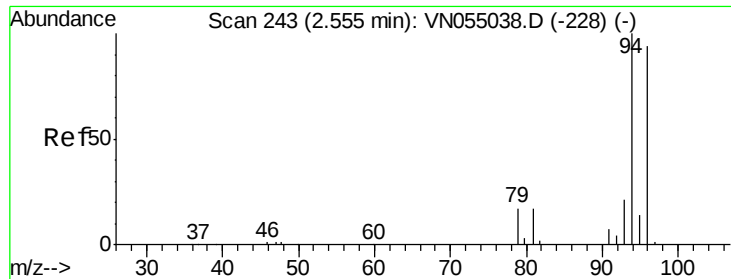
64 31.1 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 47.444 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 139409

Ion Ratio Lower Upper

94 100

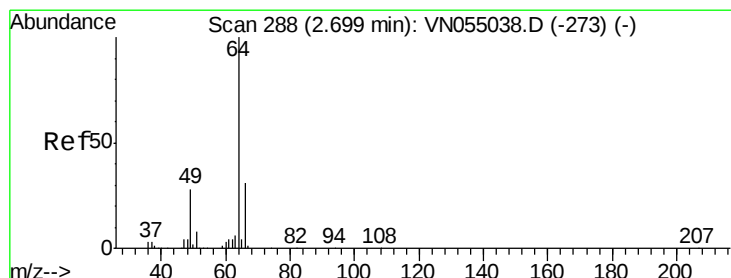
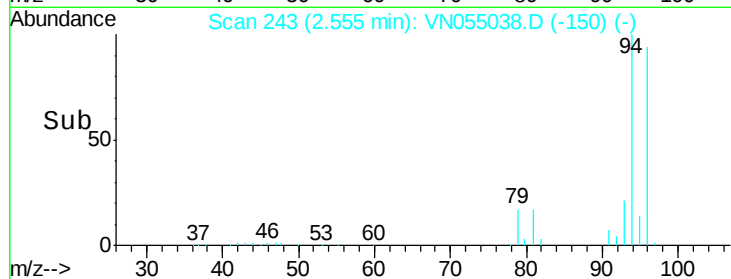
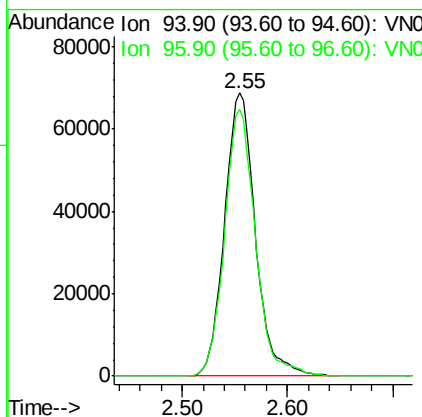
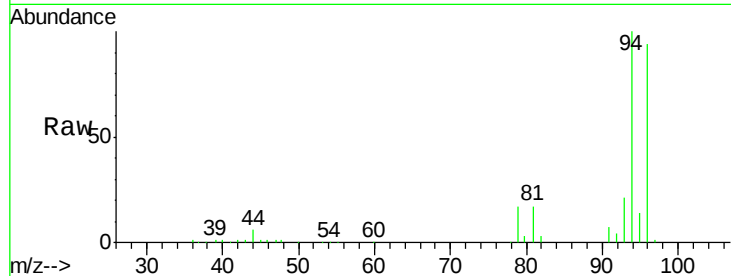
96 94.4 76.2 114.4

Manual Integrations

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4/17/2019 1:49:06 PM



#6

Chloroethane

Concen: 48.146 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055038.D

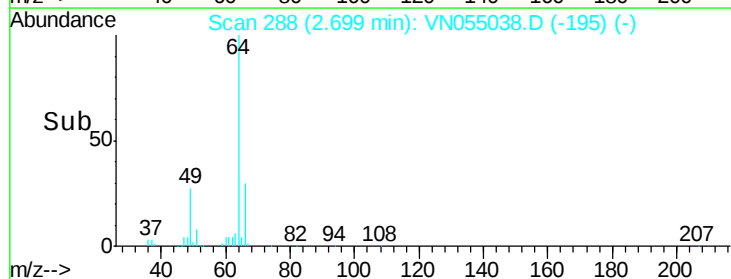
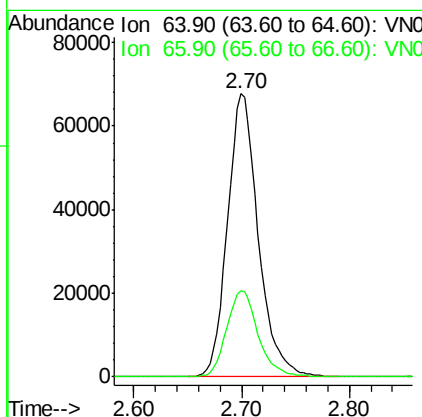
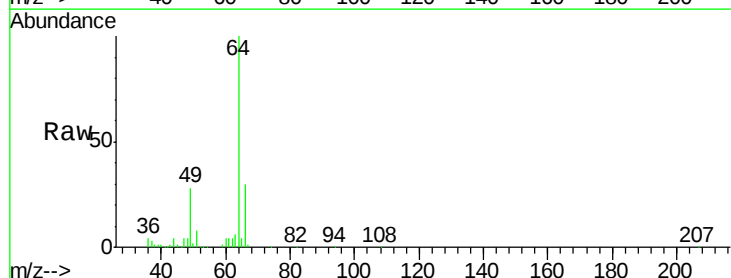
Acq: 15 Apr 2019 11:08

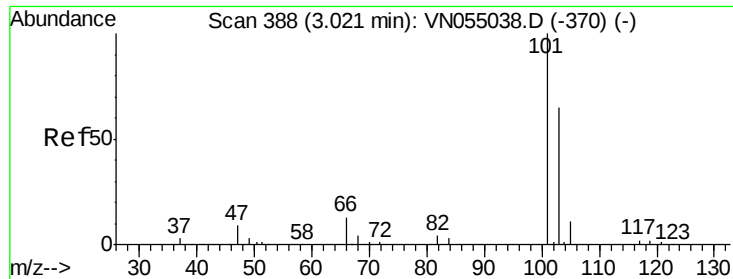
Tgt Ion: 64 Resp: 134773

Ion Ratio Lower Upper

64 100

66 30.5 26.6 40.0





#7

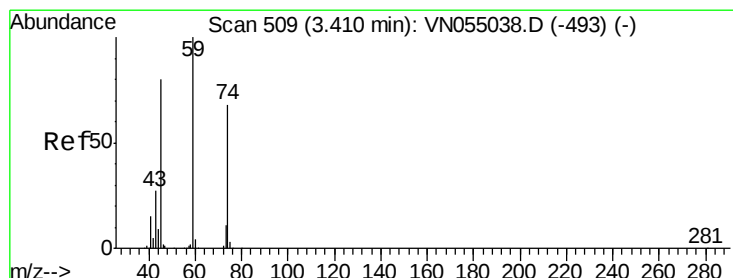
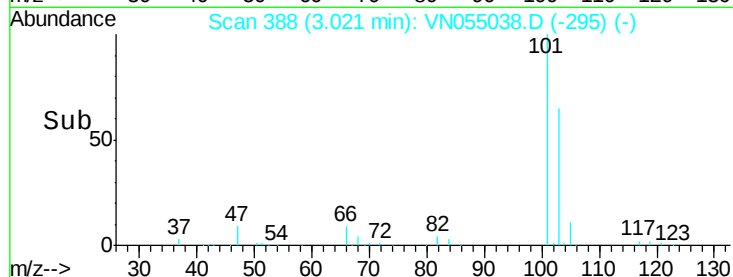
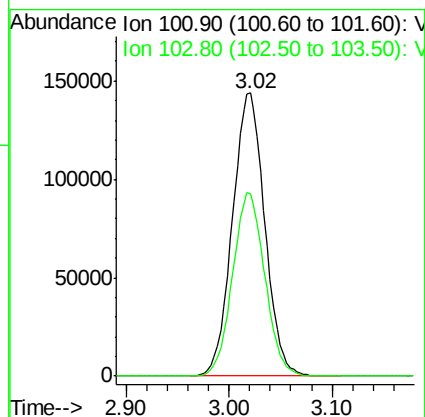
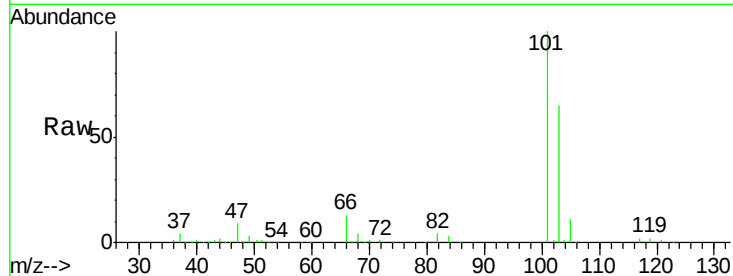
Trichlorofluoromethane  
Concen: 49.236 ug/l  
RT: 3.02 min Scan# 388  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Tot Ion:101 Resp: 313492  
Ion Ratio Lower Upper  
101 100  
103 64.6 52.5 78.7

Manual Integrations  
APPROVED

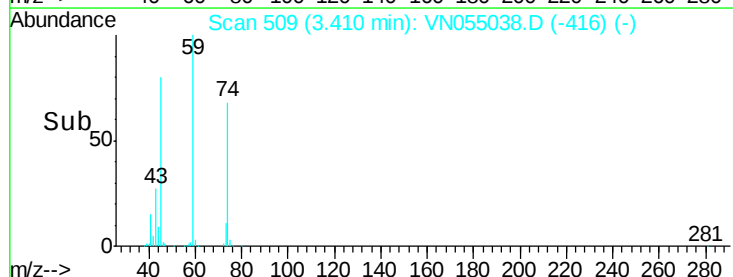
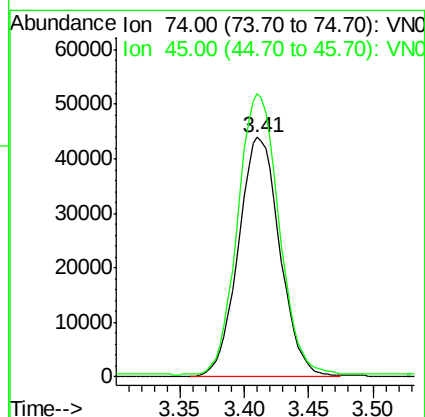
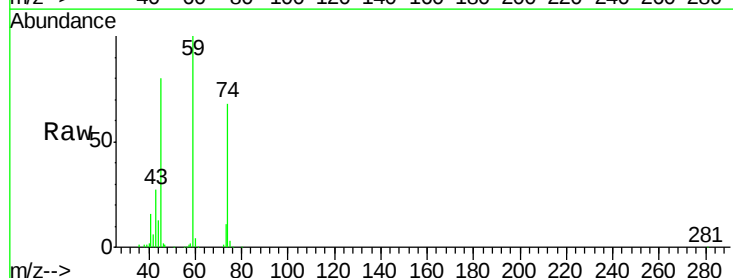
MMDadoda  
4/17/2019 1:49:06 PM

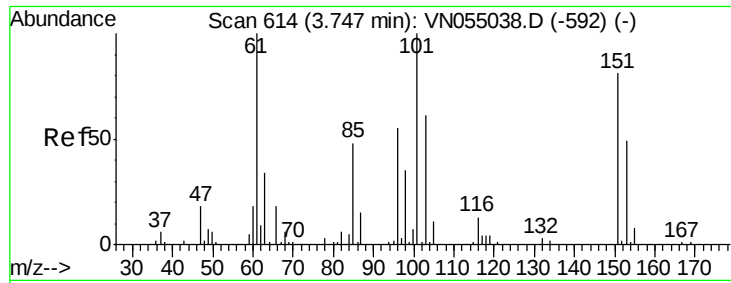


#8

Diethyl Ether  
Concen: 49.160 ug/l  
RT: 3.41 min Scan# 509  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Tgt Ion: 74 Resp: 98439  
Ion Ratio Lower Upper  
74 100  
45 116.7 55.7 167.1





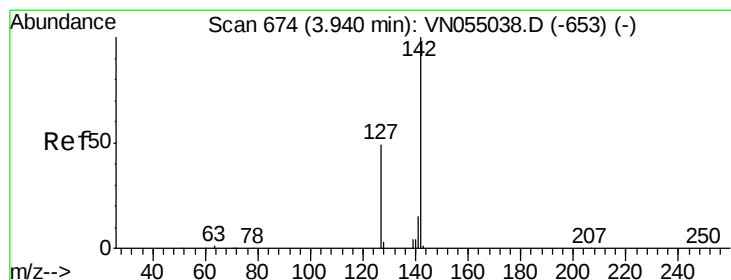
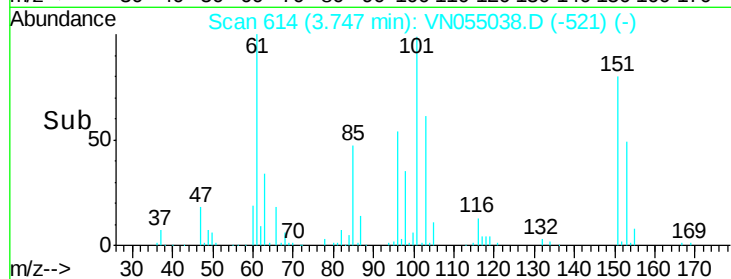
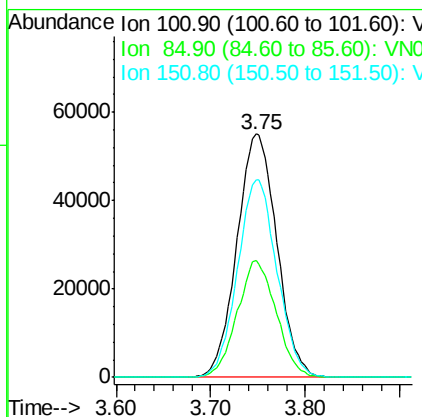
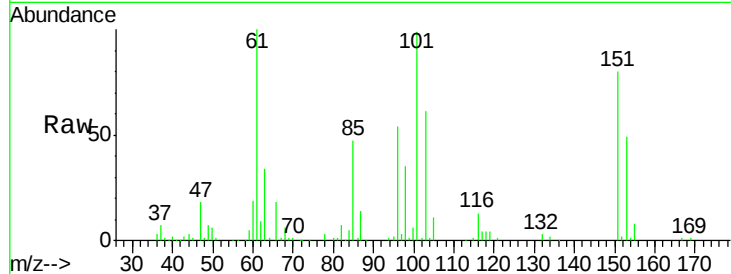
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 48.537 ug/l  
 RT: 3.75 min Scan# 614  
 Delta R.T. 0.00 min  
 Lab File: VN055038.D  
 Acq: 15 Apr 2019 11:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 161187 |       |       |
| 85      | 46.9  | 36.9   | 55.3  |       |
| 151     | 80.5  | 64.4   | 96.6  |       |

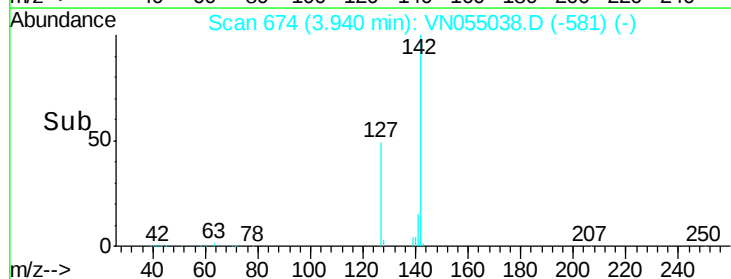
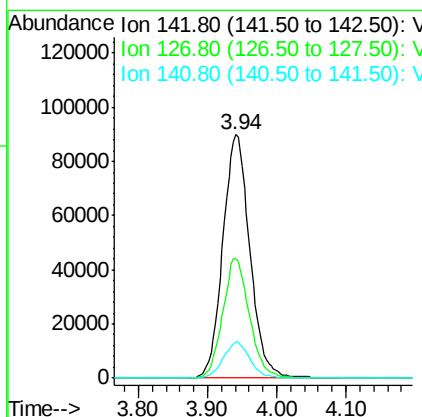
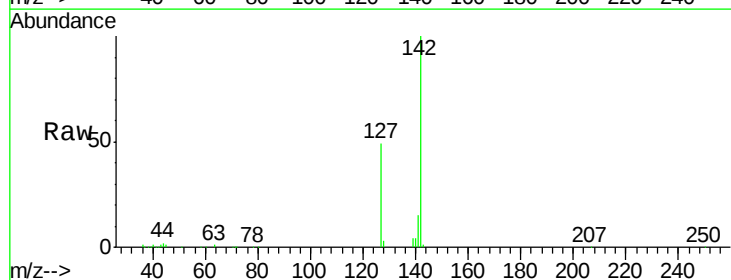
Manual Integrations  
 APPROVED

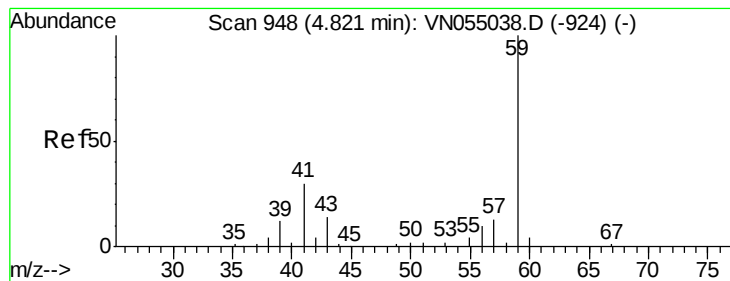
MMDadoda  
 4/17/2019 1:49:06 PM



#10  
 Methyl Iodide  
 Concen: 50.997 ug/l  
 RT: 3.94 min Scan# 674  
 Delta R.T. 0.00 min  
 Lab File: VN055038.D  
 Acq: 15 Apr 2019 11:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 244250 |       |       |
| 127     | 48.5  | 37.9   | 56.9  |       |
| 141     | 14.5  | 11.8   | 17.8  |       |





#11

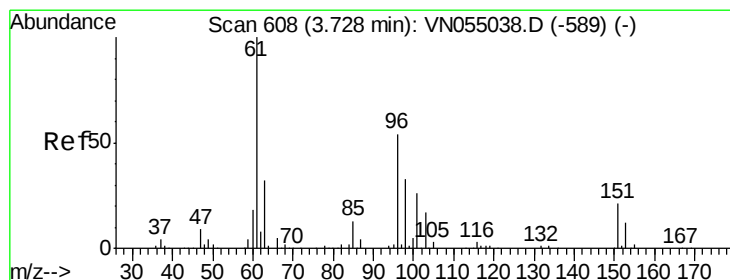
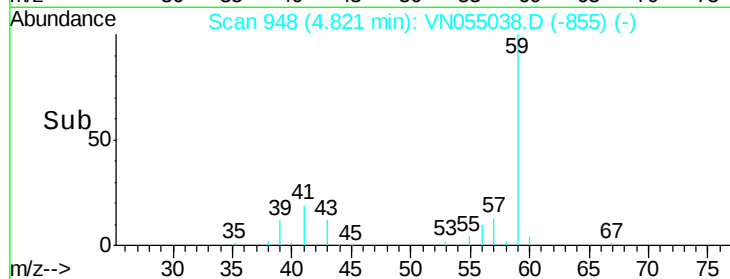
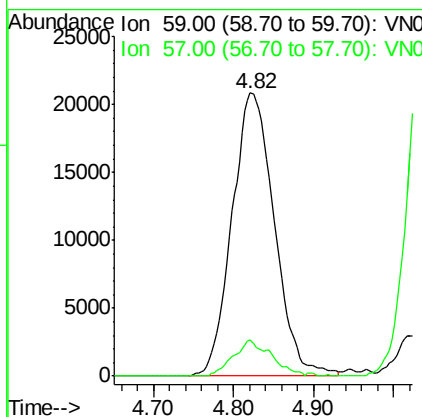
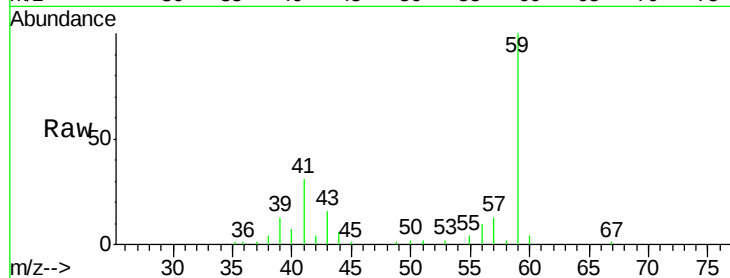
Tert butyl alcohol  
Concen: 230.044 ug/l  
RT: 4.82 min Scan# 948  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 59      | 100   | 75125 |       |       |
| 57      | 11.3  |       | 8.3   | 12.5  |

Manual Integrations  
APPROVED

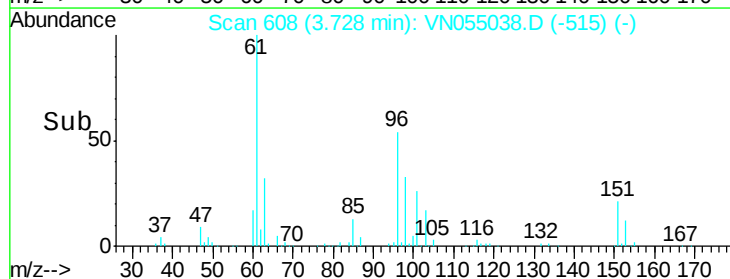
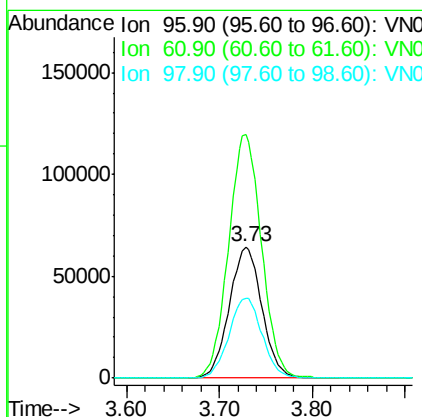
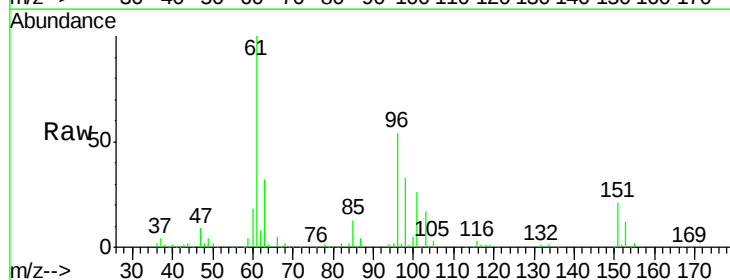
MMDadoda  
4/17/2019 1:49:06 PM

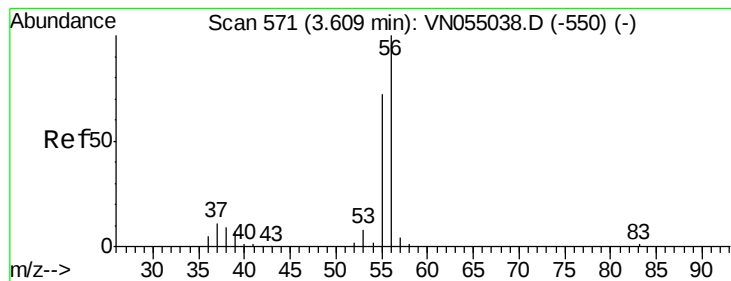


#12

1,1-Dichloroethene  
Concen: 47.903 ug/l  
RT: 3.73 min Scan# 608  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 156625 |       |       |
| 61      | 185.1 |        | 154.2 | 231.4 |
| 98      | 61.0  |        | 52.9  | 79.3  |





#13

Acrolein

Concen: 216.306 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 85264

Ion Ratio Lower Upper

56 100

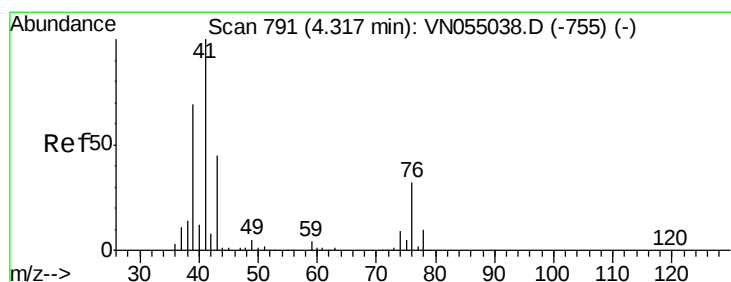
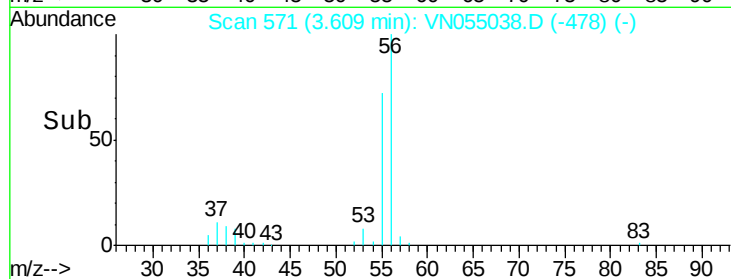
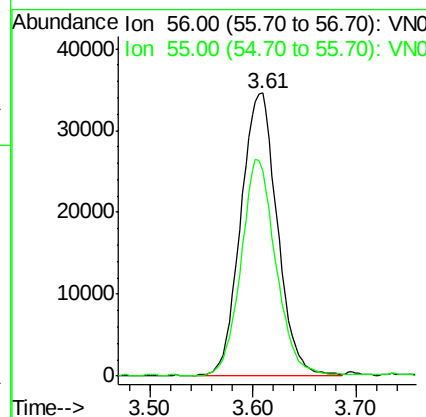
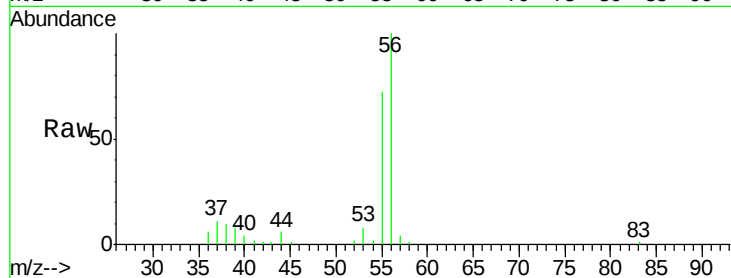
55 73.1 59.5 89.3

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 50.874 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

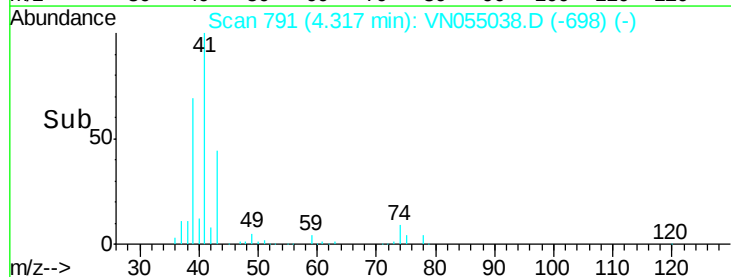
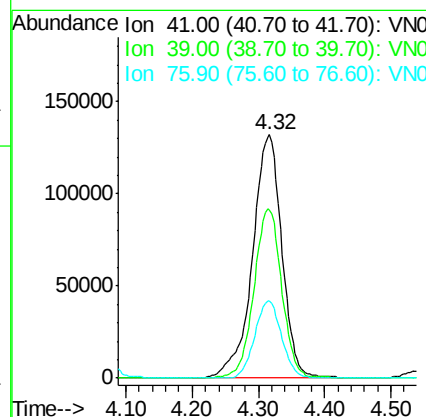
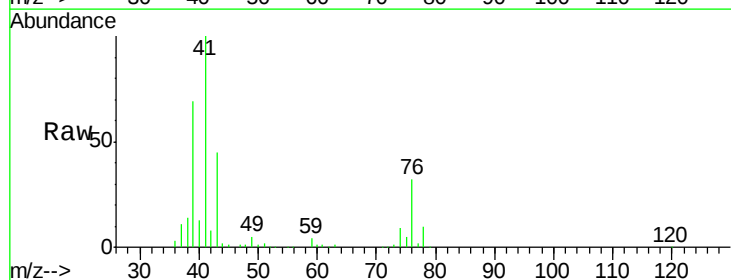
Tgt Ion: 41 Resp: 406423

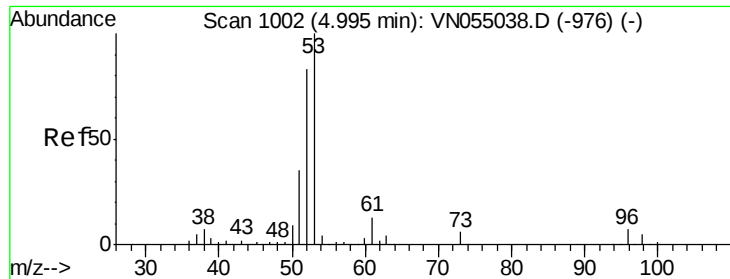
Ion Ratio Lower Upper

41 100

39 65.5 52.7 79.1

76 29.0 23.2 34.8





#15

Acrylonitrile

Concen: 259.226 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA\_N

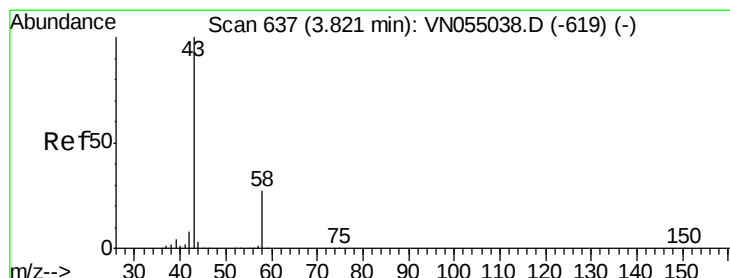
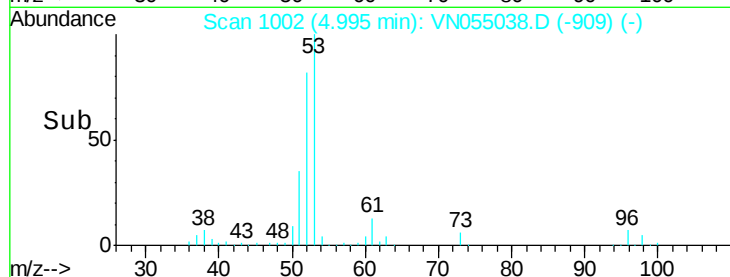
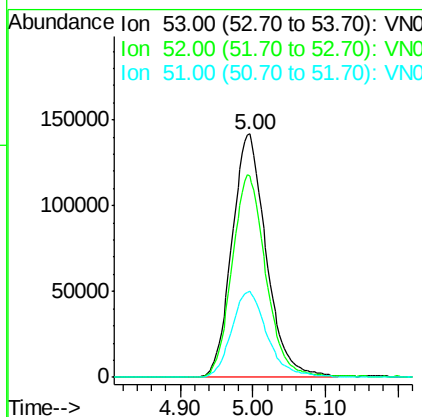
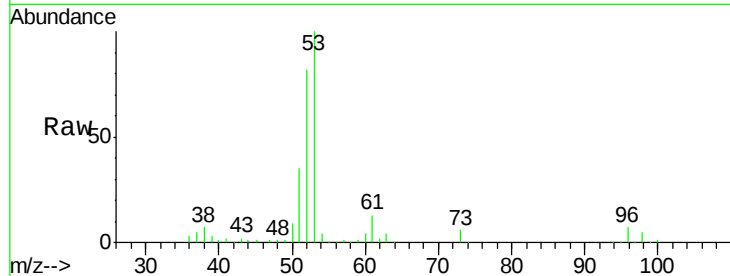
ClientSampleId :

VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 466918 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 81.8  | 65.9  | 98.9   |
| 51       | 36.9  | 29.7  | 44.5   |

Manual Integrations  
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#16

Acetone

Concen: 238.403 ug/l

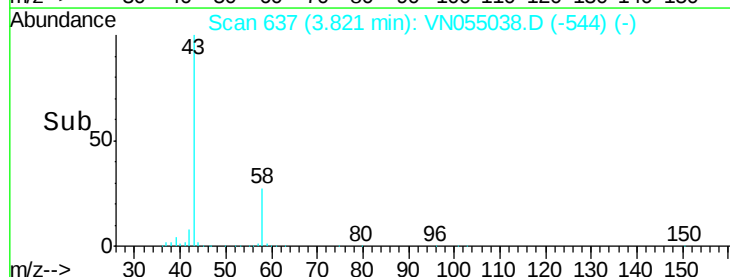
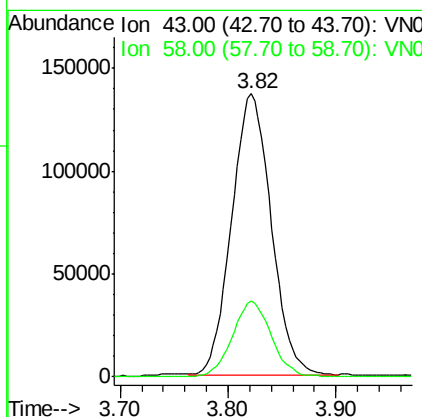
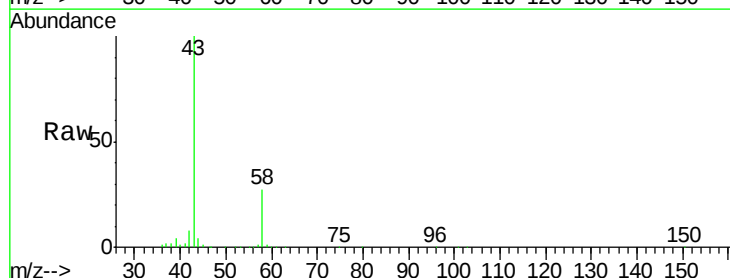
RT: 3.82 min Scan# 637

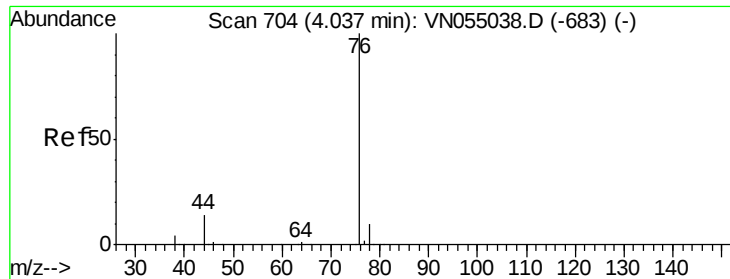
Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 347570 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 26.7  | 20.9  | 31.3   |





#17

Carbon Disulfide

Concen: 48.593 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 517500

Ion Ratio Lower Upper

76 100

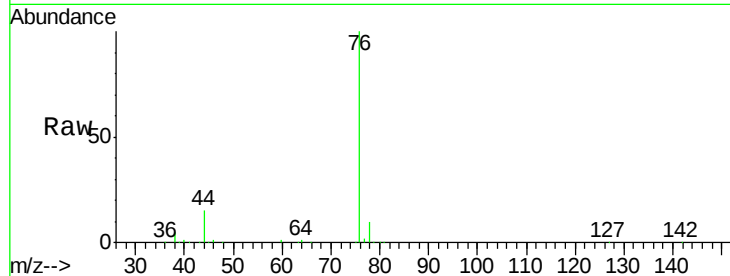
78 9.6 7.2 10.8

Manual Integrations

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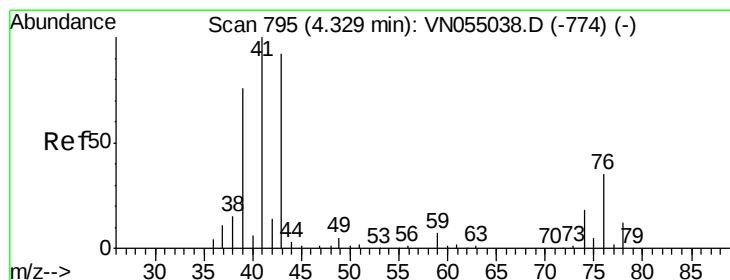
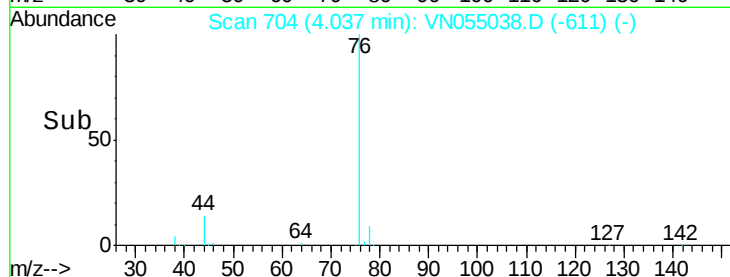
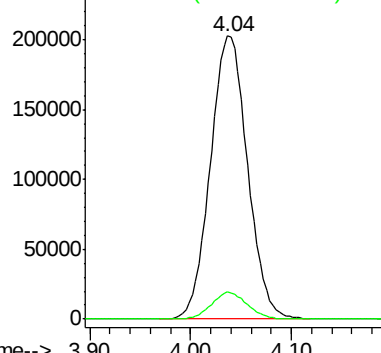
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 48.024 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055038.D

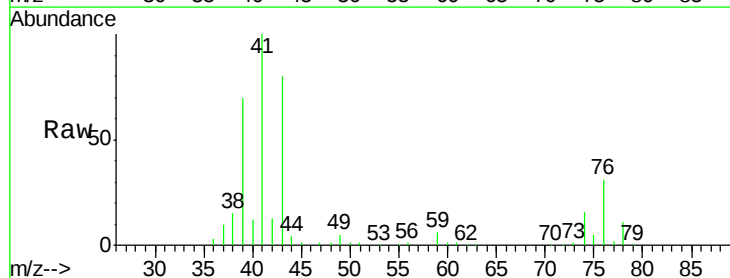
Acq: 15 Apr 2019 11:08

Tgt Ion: 43 Resp: 217034

Ion Ratio Lower Upper

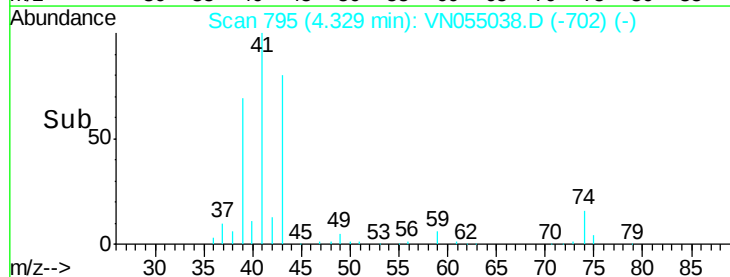
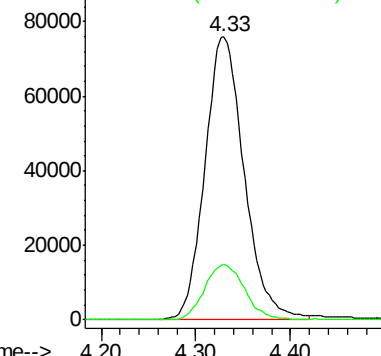
43 100

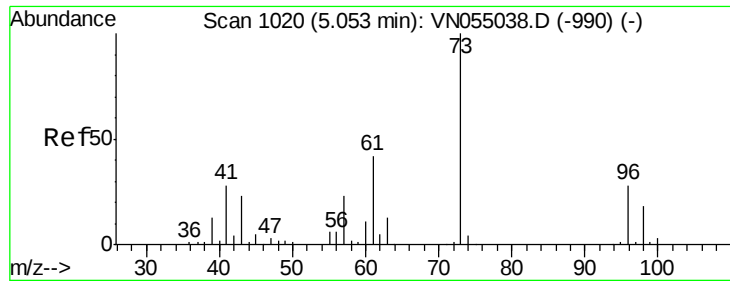
74 20.2 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





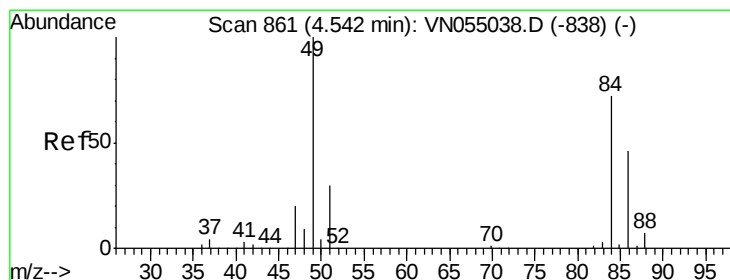
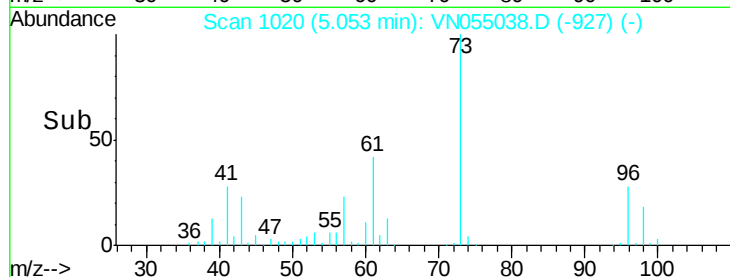
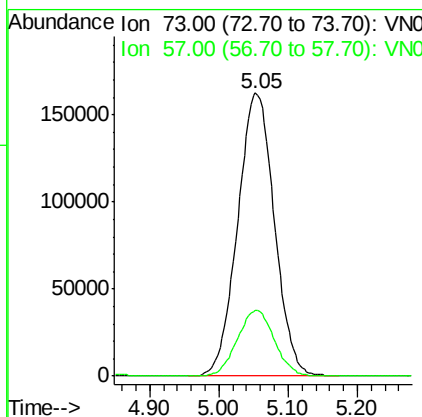
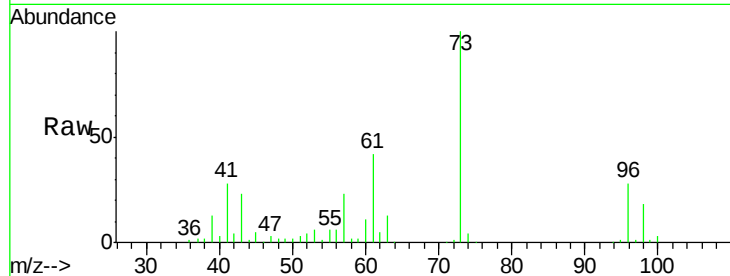
#19  
Methvl tert-butvl Ether  
Concen: 51.335 ug/l  
RT: 5.05 min Scan# 1020  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Tot Ion: 73 Resp: 599700  
Ion Ratio Lower Upper  
73 100  
57 23.2 19.0 28.4

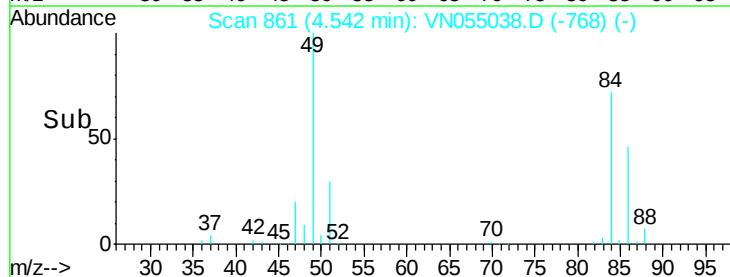
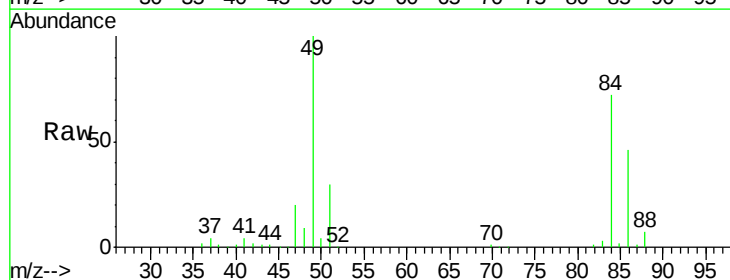
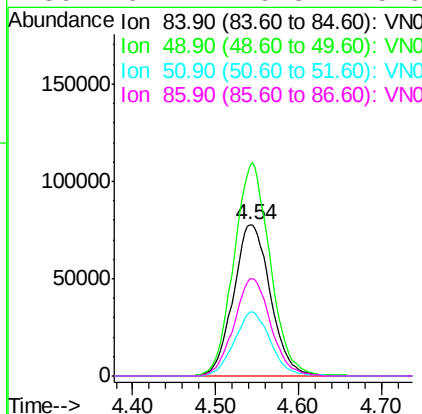
Manual Integrations  
APPROVED

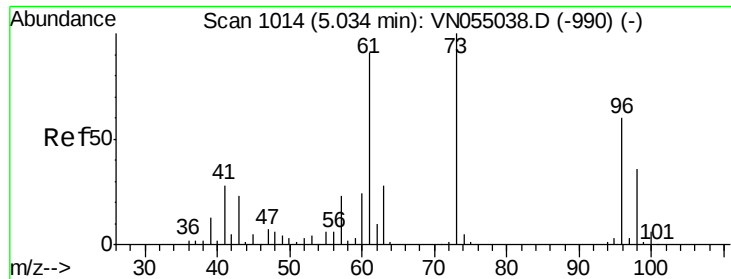
MMDadoda  
4/17/2019 1:49:06 PM



#20  
Methylene Chloride  
Concen: 45.096 ug/l  
RT: 4.54 min Scan# 861  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Tgt Ion: 84 Resp: 240923  
Ion Ratio Lower Upper  
84 100  
49 138.7 109.4 164.2  
51 42.1 32.2 48.4  
86 64.1 49.3 73.9





#21

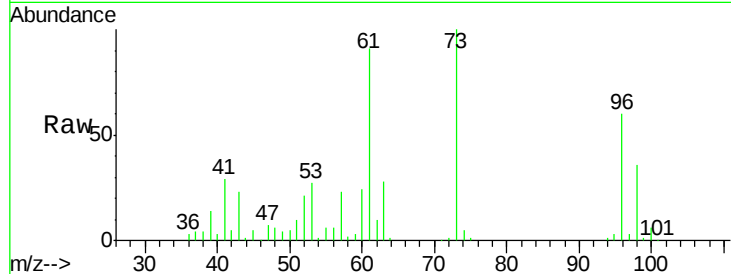
trans-1,2-Dichloroethene  
Concen: 50.201 ug/l  
RT: 5.03 min Scan# 1014  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDICCC050

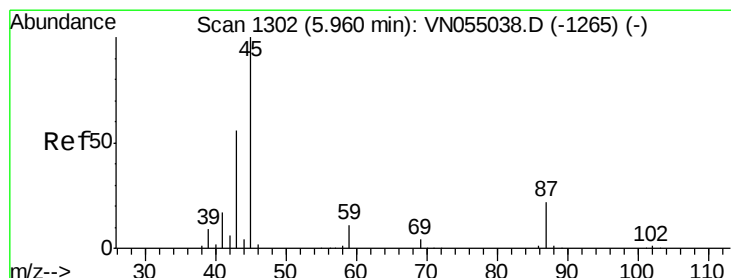
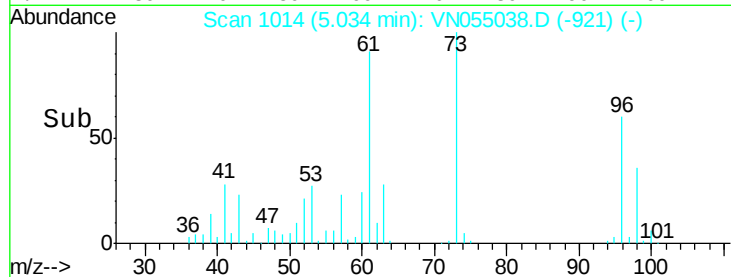
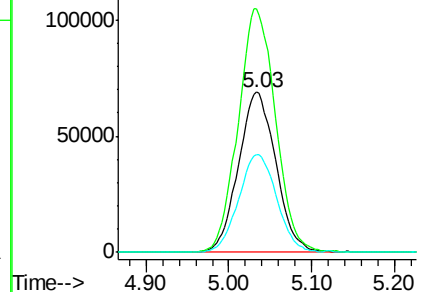
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 152.1 | 114.9 | 172.3 |
| 98      | 60.8  | 48.4  | 72.6  |

Manual Integrations  
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MMDadoda  
4/17/2019 1:49:06 PM



Abundance Ion 95.90 (95.60 to 96.60): VNC  
Ion 60.90 (60.60 to 61.60): VNC  
Ion 97.90 (97.60 to 98.60): VNC

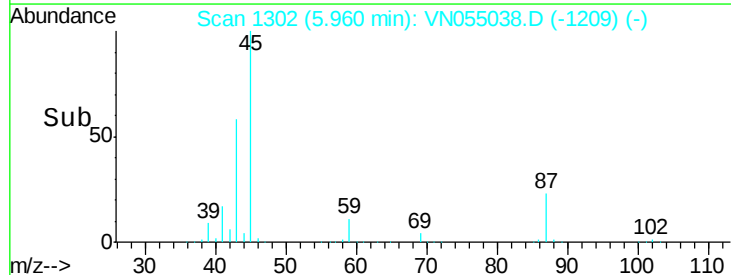
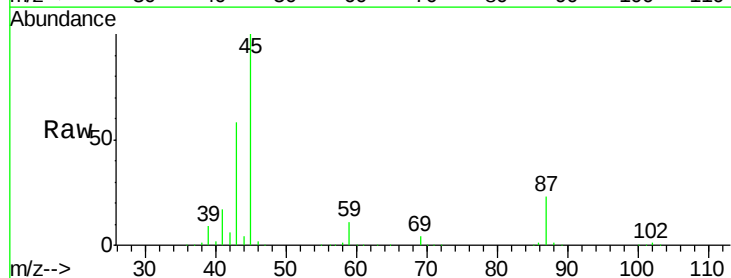
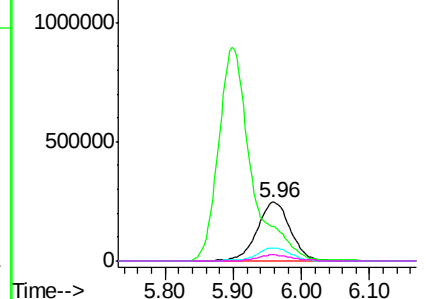


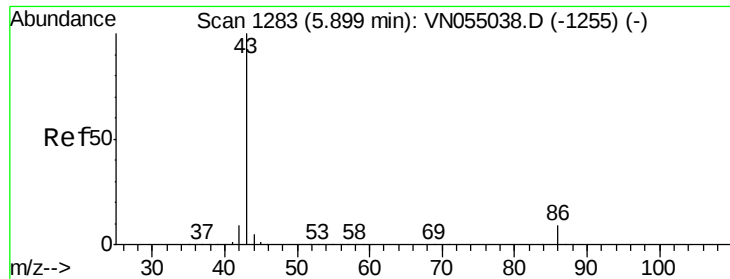
#22

Diisopropyl ether  
Concen: 51.749 ug/l  
RT: 5.96 min Scan# 1302  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 56.9  | 44.8  | 67.2  |
| 87      | 22.6  | 18.9  | 28.3  |
| 59      | 10.5  | 7.9   | 11.9  |

Abundance Ion 45.00 (44.70 to 45.70): VNC  
Ion 43.00 (42.70 to 43.70): VNC  
Ion 87.00 (86.70 to 87.70): VNC  
Ion 59.00 (58.70 to 59.70): VNC





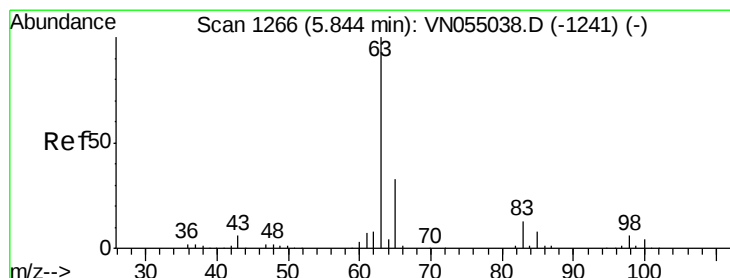
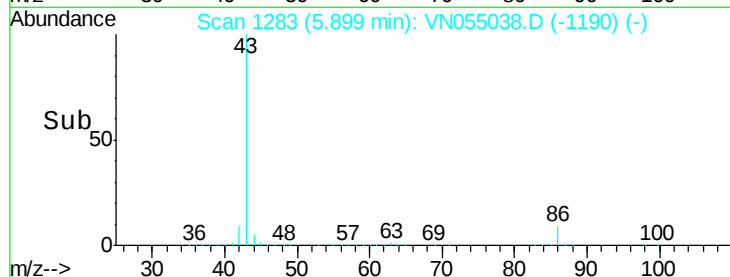
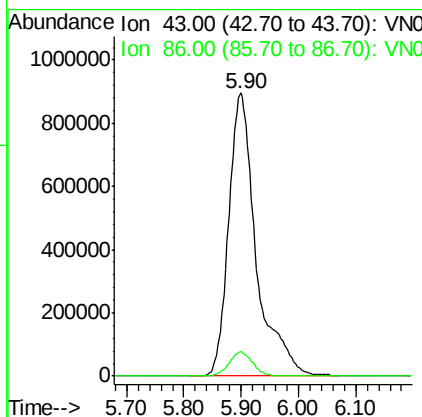
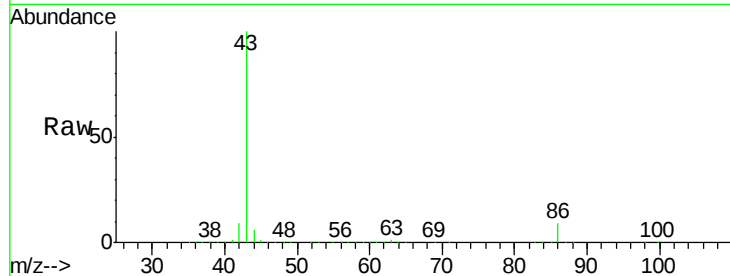
#23  
 Vinyl Acetate  
 Concen: 264.402 ug/l  
 RT: 5.90 min Scan# 1283  
 Delta R.T. 0.00 min  
 Lab File: VN055038.D  
 Acq: 15 Apr 2019 11:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

Tot Ion: 43 Resp: 2995449  
 Ion Ratio Lower Upper  
 43 100  
 86 8.6 7.0 10.4

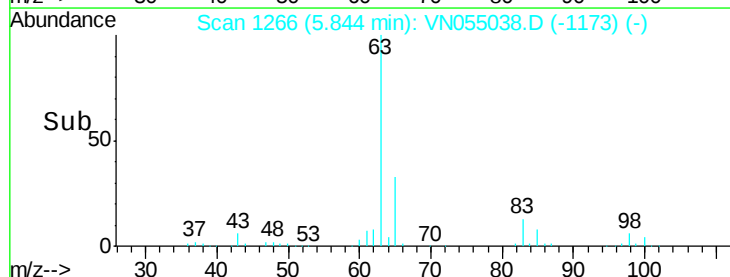
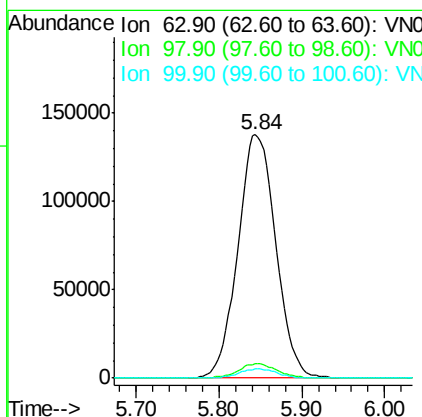
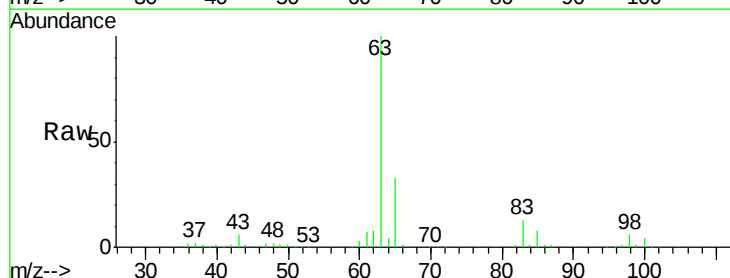
Manual Integrations  
 APPROVED

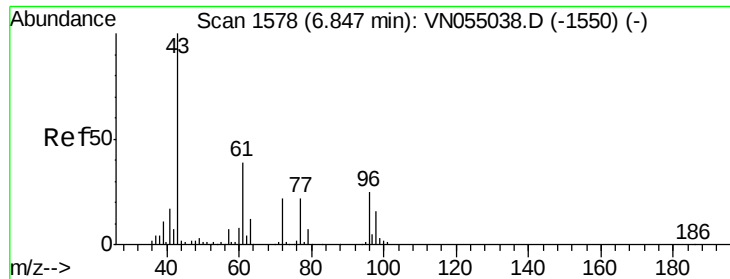
MMDadoda  
 4/17/2019 1:49:06 PM



#24  
 1,1-Dichloroethane  
 Concen: 50.045 ug/l  
 RT: 5.84 min Scan# 1266  
 Delta R.T. 0.00 min  
 Lab File: VN055038.D  
 Acq: 15 Apr 2019 11:08

Tgt Ion: 63 Resp: 437805  
 Ion Ratio Lower Upper  
 63 100  
 98 5.9 2.8 8.4  
 100 3.7 2.0 5.8





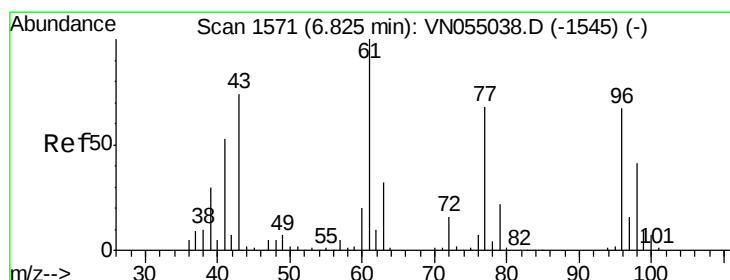
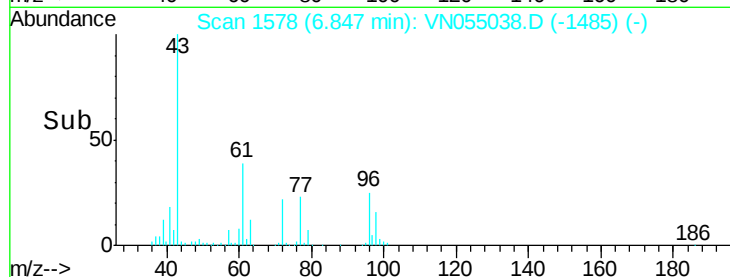
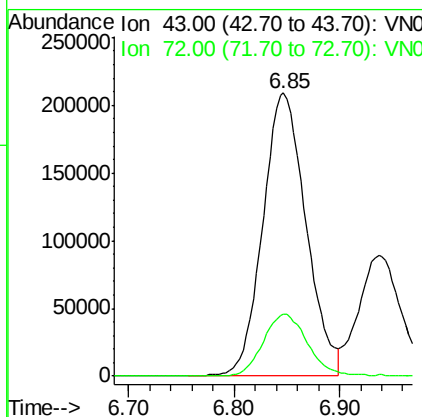
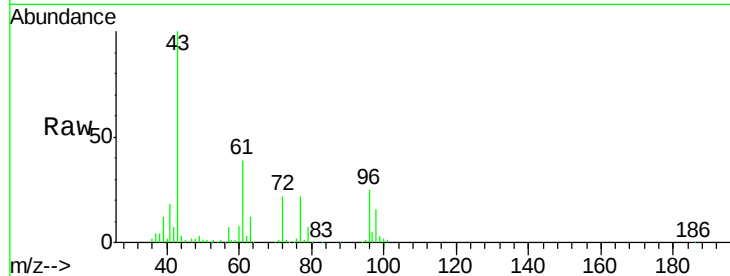
#25  
2-Butanone  
Concen: 263.561 ug/l  
RT: 6.85 min Scan# 1578  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Tot Ion: 43 Resp: 591802  
Ion Ratio Lower Upper  
43 100  
72 22.1 18.1 27.1

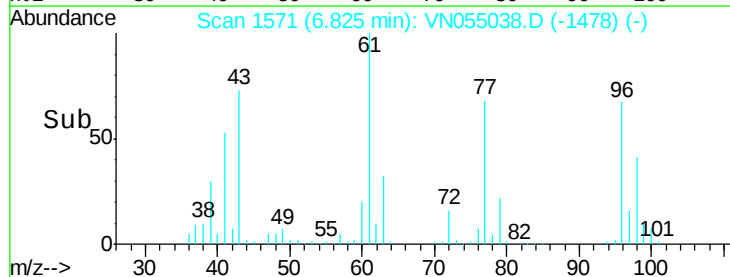
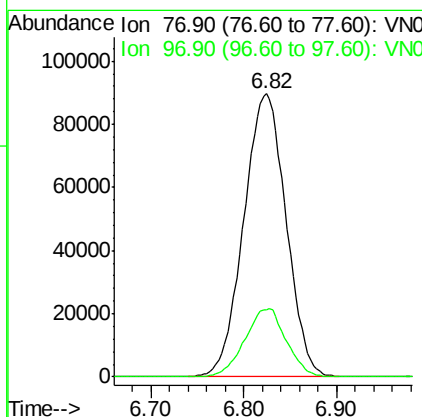
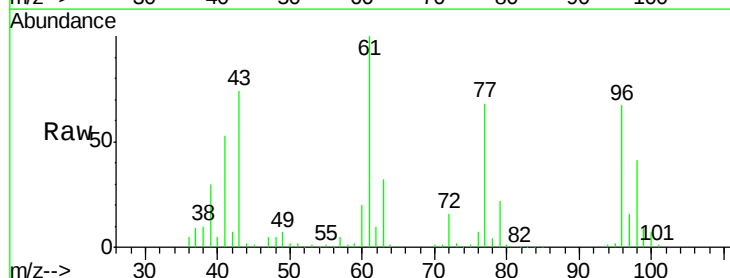
Manual Integrations  
APPROVED

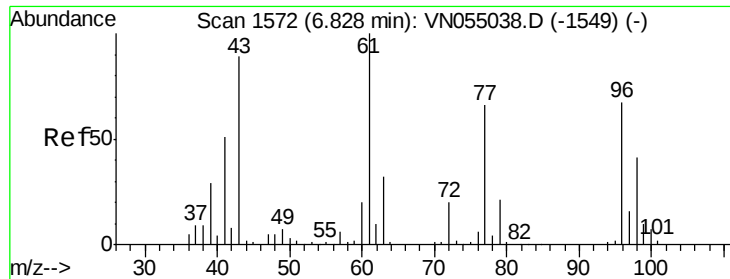
MMDadoda  
4/17/2019 1:49:06 PM



#26  
2,2-Dichloropropane  
Concen: 49.153 ug/l  
RT: 6.82 min Scan# 1571  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Tgt Ion: 77 Resp: 284484  
Ion Ratio Lower Upper  
77 100  
97 23.6 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 50.672 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA\_N

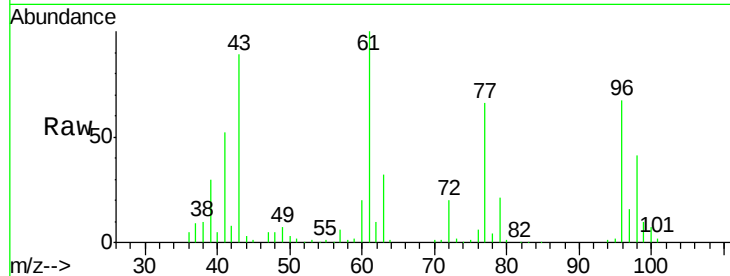
ClientSampleId :

VSTDICCC050

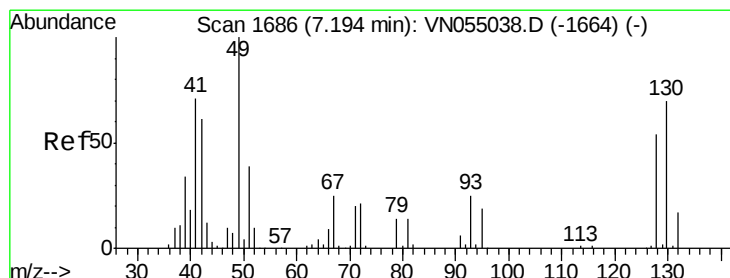
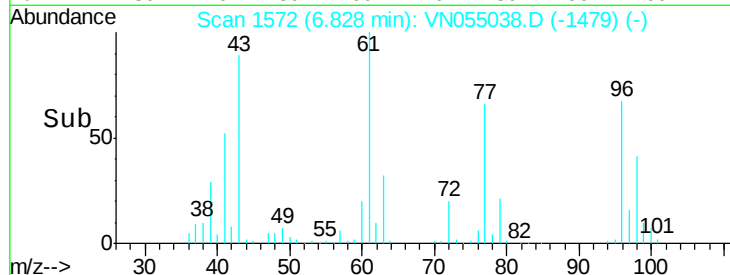
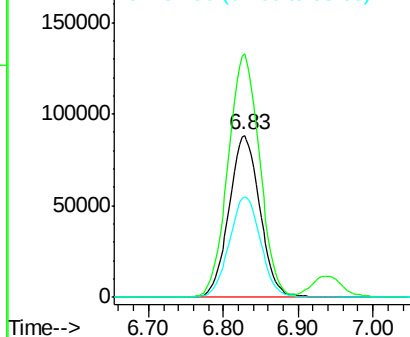
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 253554 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 153.2 | 0.0   | 311.0  |
| 98        | 63.1  | 0.0   | 127.4  |

Manual Integrations  
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4/17/2019 1:49:06 PM



Abundance Ion 95.90 (95.60 to 96.60): VNO  
Ion 60.90 (60.60 to 61.60): VNO  
Ion 97.90 (97.60 to 98.60): VNO



#28

Bromochloromethane

Concen: 49.151 ug/l

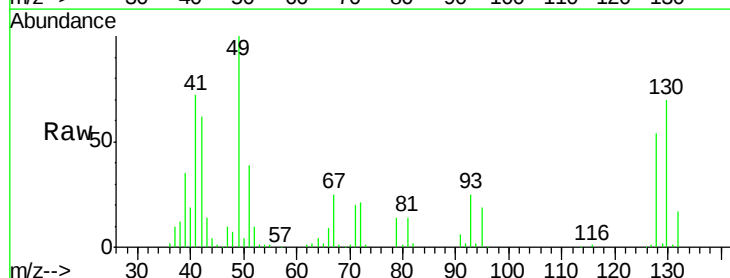
RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

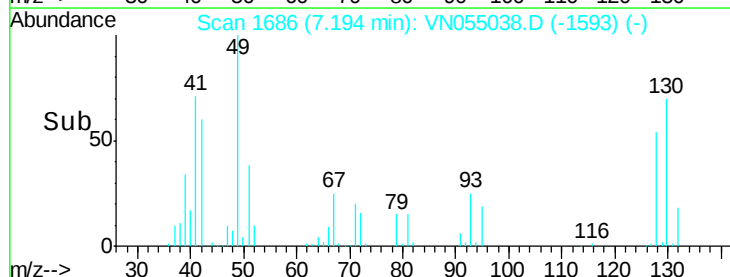
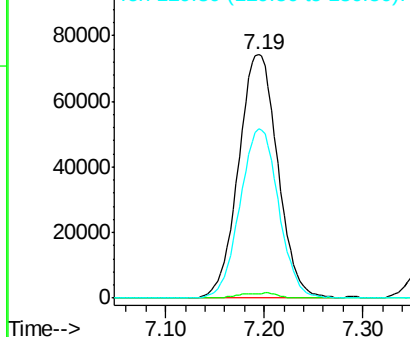
Lab File: VN055038.D

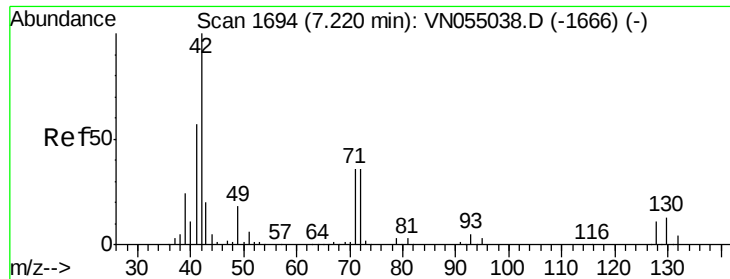
Acq: 15 Apr 2019 11:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 49    | Resp: | 204007 |
| Ion Ratio | Lower | Upper |        |
| 49        | 100   |       |        |
| 129       | 2.0   | 0.0   | 2.0    |
| 130       | 68.5  | 53.4  | 80.2   |



Abundance Ion 48.90 (48.60 to 49.60): VNO  
Ion 128.80 (128.50 to 129.50): VNO  
Ion 129.80 (129.50 to 130.50): VNO





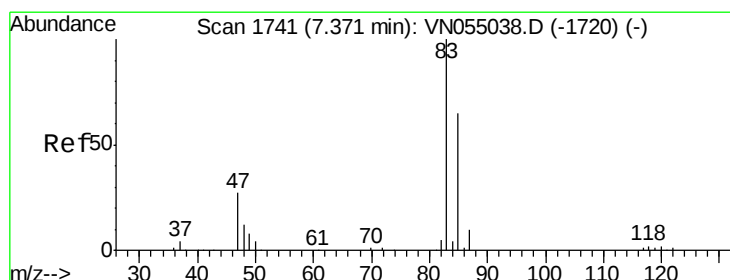
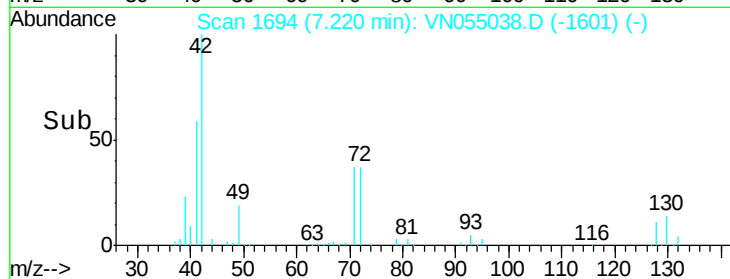
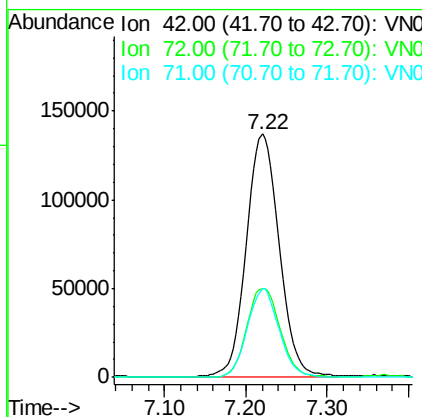
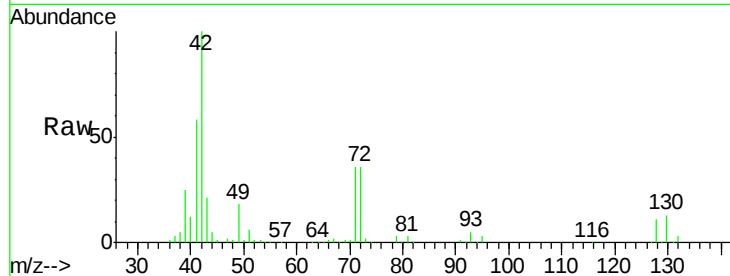
#29  
Tetrahydrofuran  
Concen: 259.085 ug/l  
RT: 7.22 min Scan# 1694  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 36.8  | 29.4  | 44.0  |
| 71      | 35.3  | 27.8  | 41.6  |

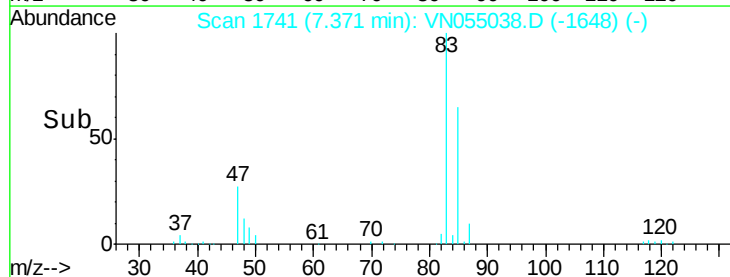
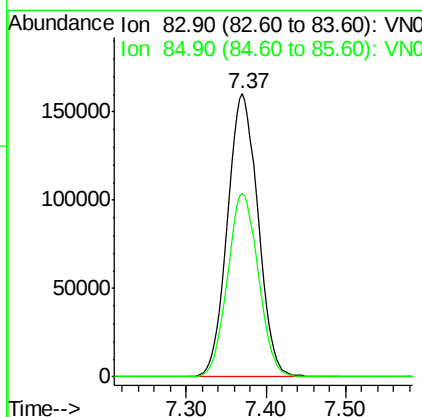
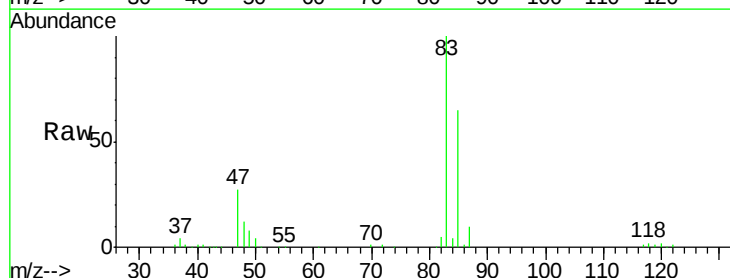
Manual Integrations  
APPROVED

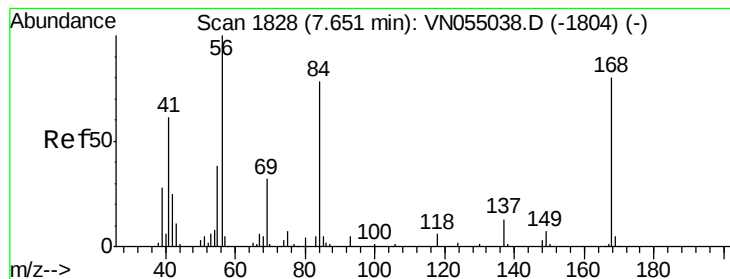
MMDadoda  
4/17/2019 1:49:06 PM



#30  
Chloroform  
Concen: 49.880 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.8  | 51.8  | 77.6  |





#31

Cyclohexane

Concen: 41.345 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA\_N

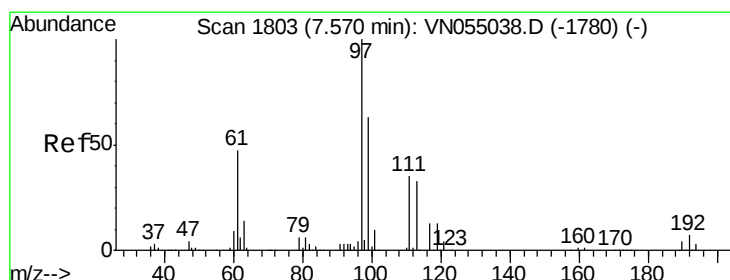
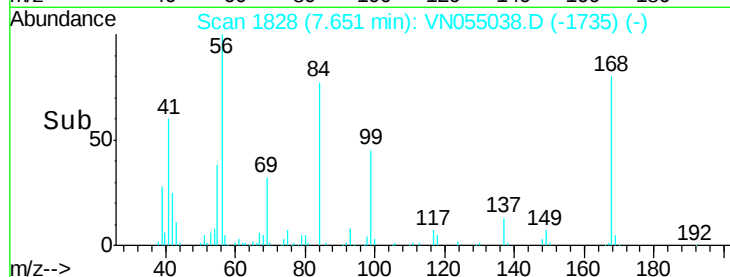
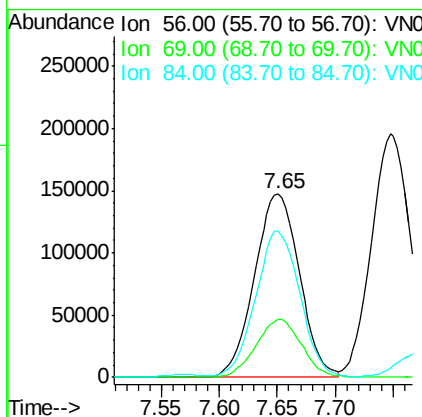
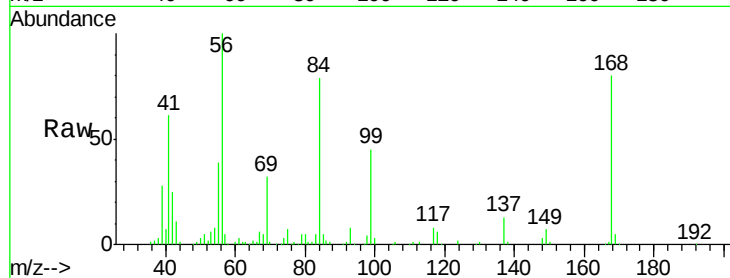
ClientSampled :

VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 398019 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 31.6  | 24.5  | 36.7   |
| 84       | 78.0  | 62.9  | 94.3   |

Manual Integrations  
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#32

1,1,1-Trichloroethane

Concen: 50.742 ug/l

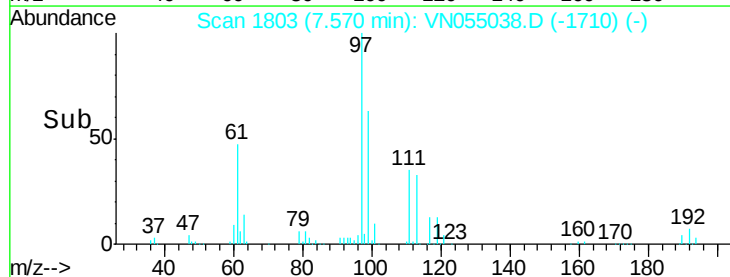
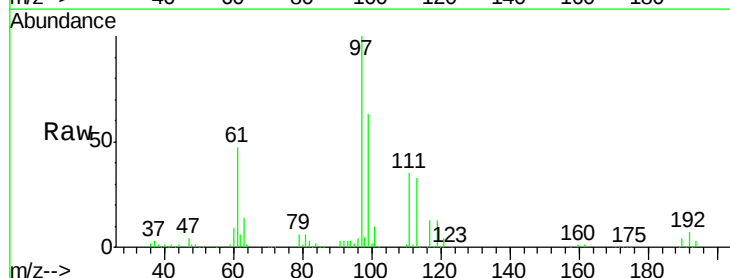
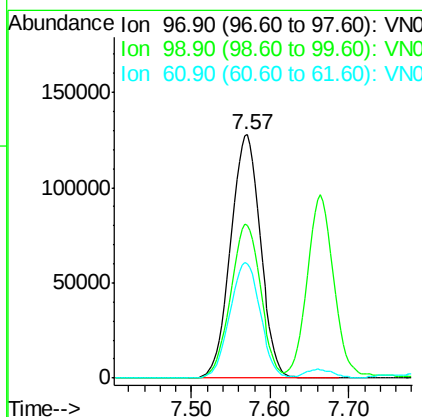
RT: 7.57 min Scan# 1803

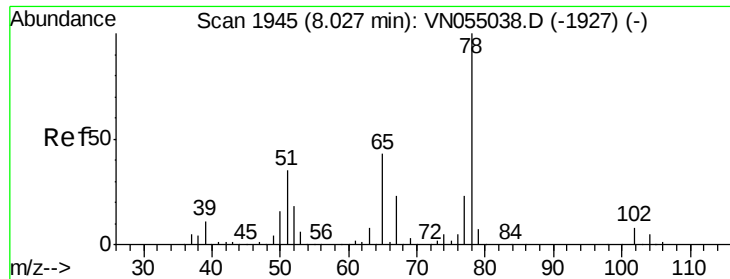
Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 337222 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 63.7  | 51.6  | 77.4   |
| 61       | 48.5  | 38.3  | 57.5   |





#33

1,2-Dichloroethane-d4

Concen: 50.788 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA\_N

ClientSampled :

VSTDICCC050

Tot Ion: 65 Resp: 269532

Ion Ratio Lower Upper

65 100

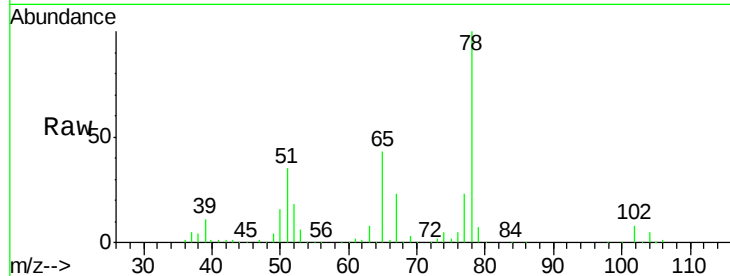
67 53.1 0.0 106.4

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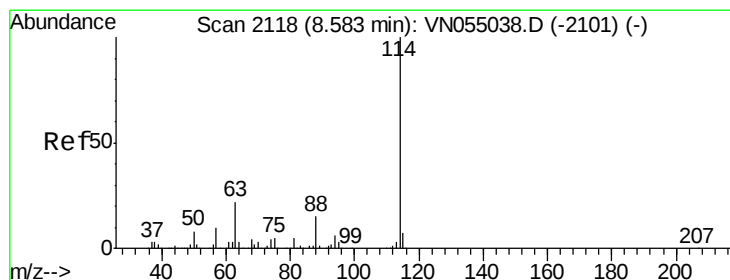
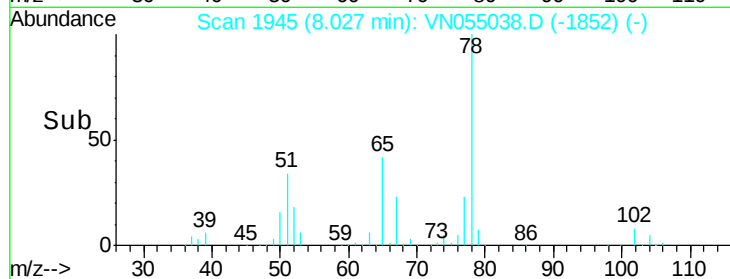
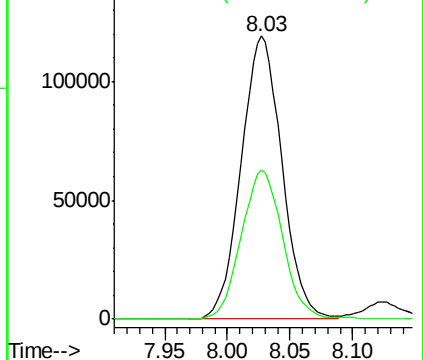
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

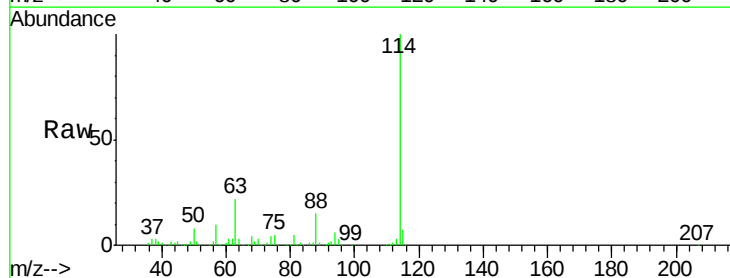
Tgt Ion: 114 Resp: 672336

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.2

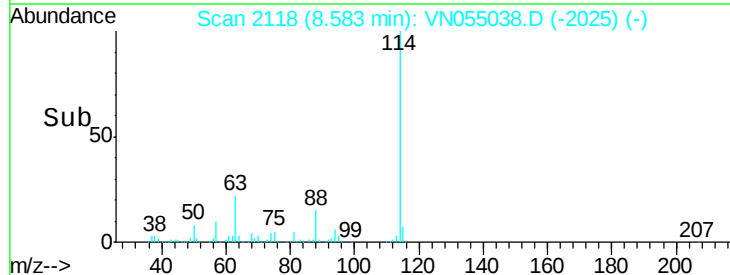
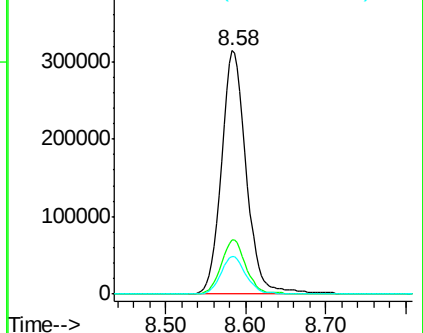
88 15.5 0.0 31.8

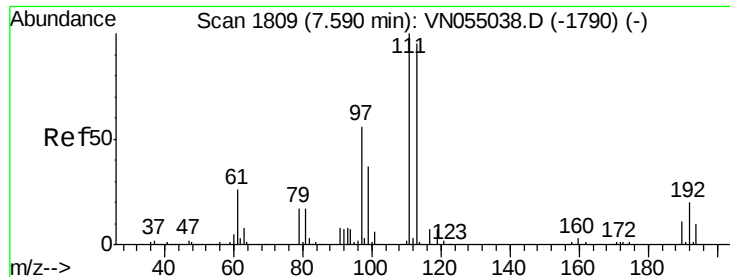


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





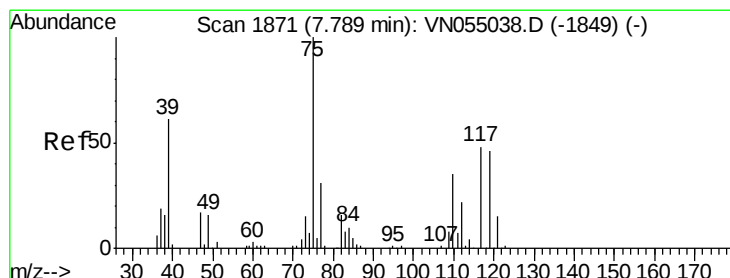
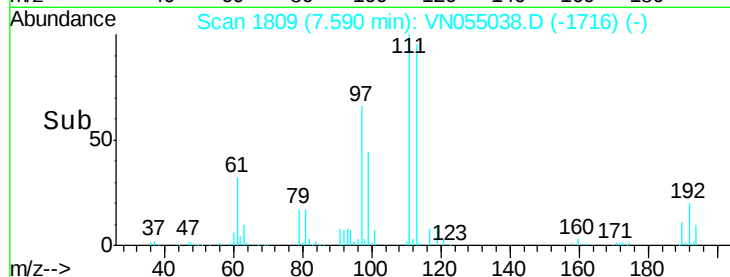
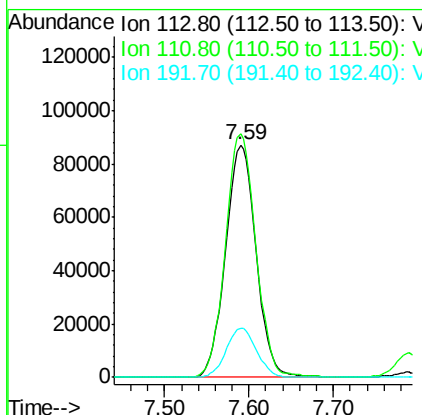
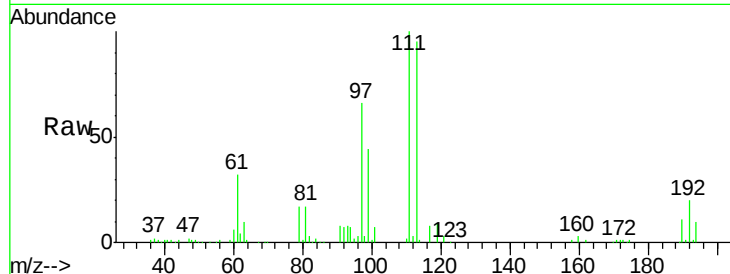
#35  
 Dibromofluoromethane  
 Concen: 51.177 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN055038.D  
 Acq: 15 Apr 2019 11:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 219344 |       |       |
| 111     | 104.6 | 82.1   | 123.1 |       |
| 192     | 21.0  | 16.5   | 24.7  |       |

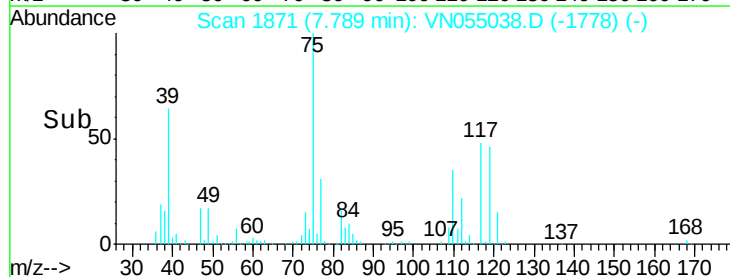
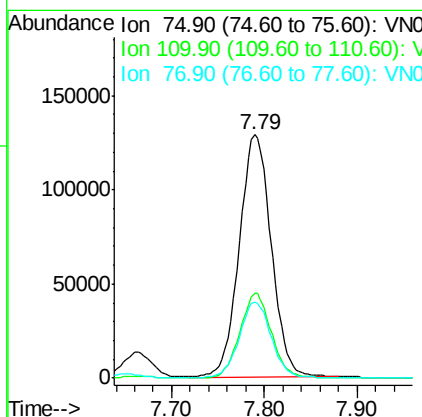
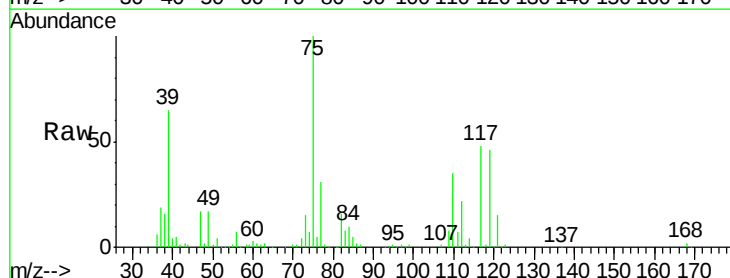
Manual Integrations  
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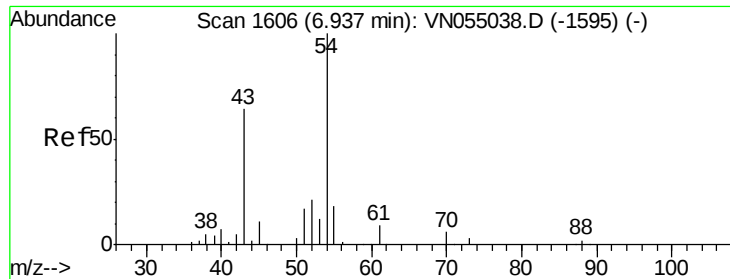
MMDadoda  
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#36  
 1,1-Dichloropropene  
 Concen: 49.859 ug/l  
 RT: 7.79 min Scan# 1871  
 Delta R.T. 0.00 min  
 Lab File: VN055038.D  
 Acq: 15 Apr 2019 11:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 309814 |       |       |
| 110     | 34.4  | 17.5   | 52.5  |       |
| 77      | 31.7  | 24.9   | 37.3  |       |





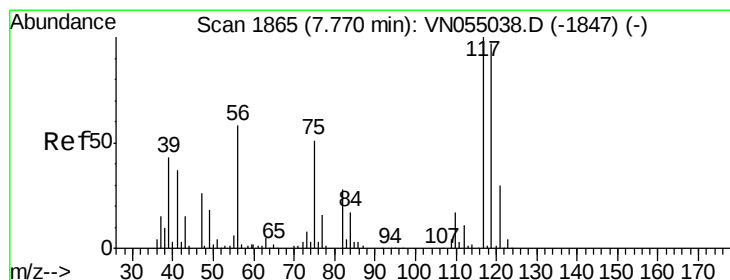
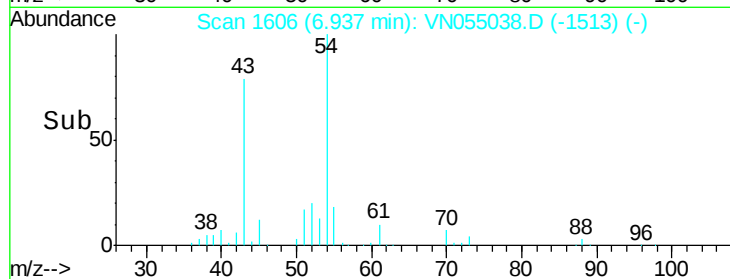
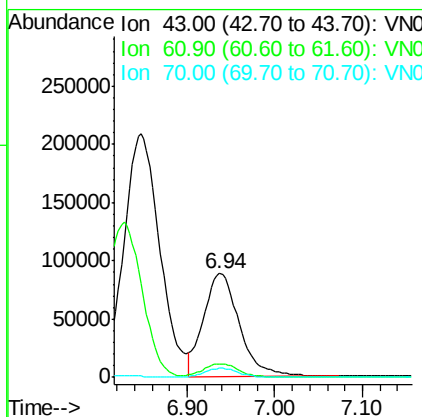
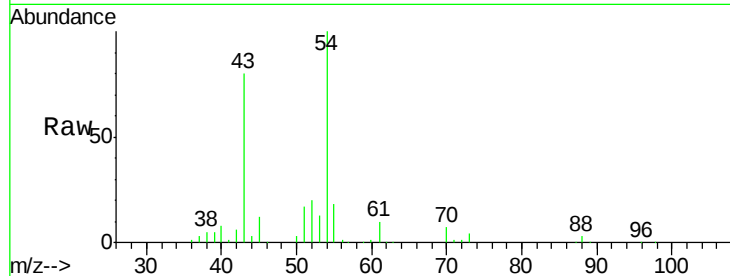
#37  
Ethyl Acetate  
Concen: 54.148 ug/l  
RT: 6.94 min Scan# 1606  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.8  | 10.0  | 15.0  |
| 70      | 7.7   | 7.1   | 10.7  |

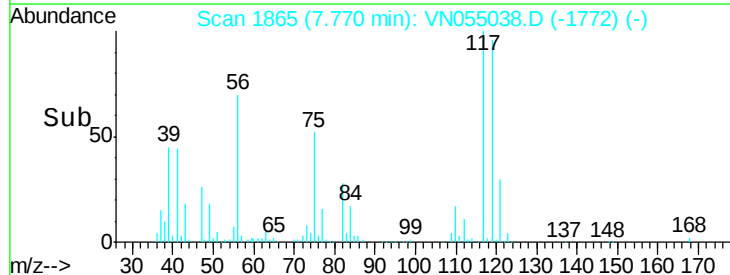
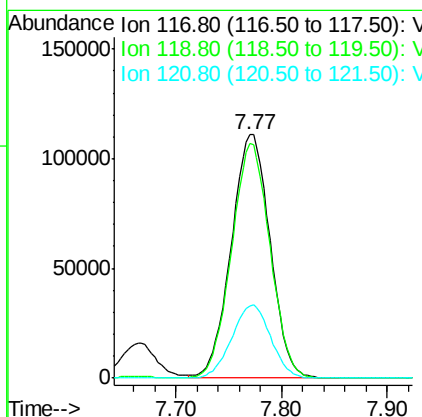
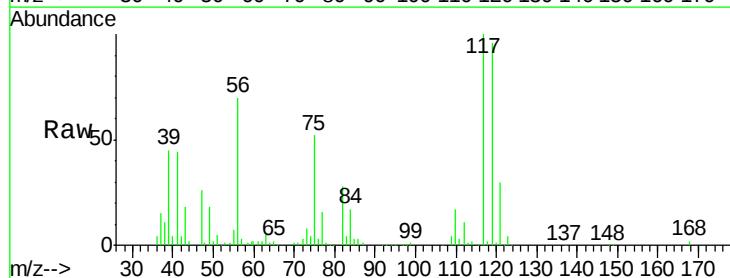
Manual Integrations  
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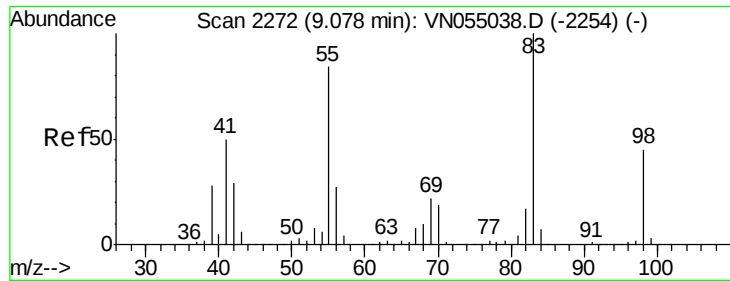
MMDadoda  
4/17/2019 1:49:06 PM



#38  
Carbon Tetrachloride  
Concen: 48.612 ug/l  
RT: 7.77 min Scan# 1865  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.4  | 76.3  | 114.5 |
| 121     | 29.6  | 23.9  | 35.9  |





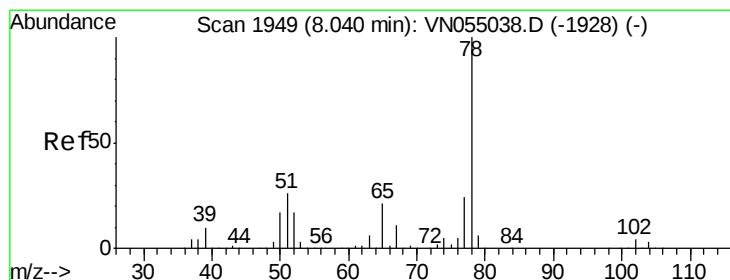
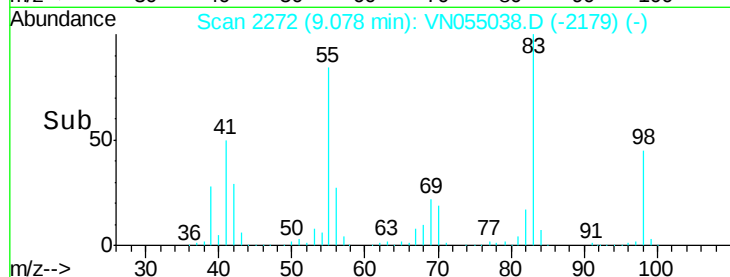
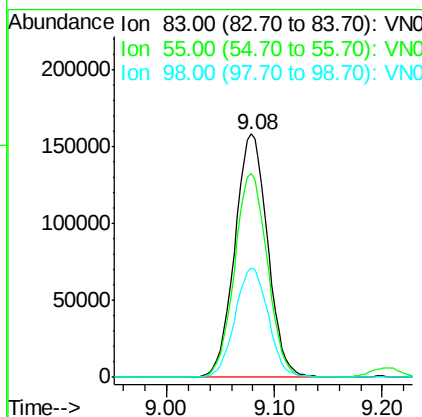
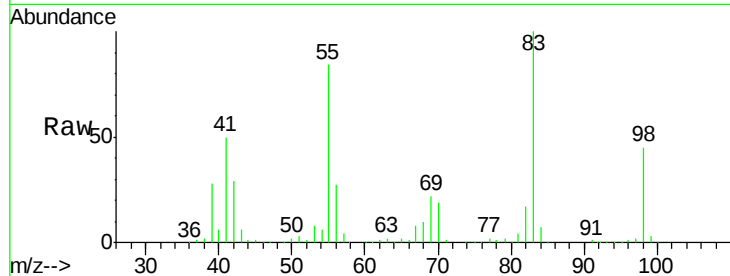
#39  
Methvlcvclohexane  
Concen: 47.256 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

| Tot Ion   | 83.00 | Resp  | 336165 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 83.6  | 67.0  | 100.4  |
| 98        | 45.1  | 35.6  | 53.4   |

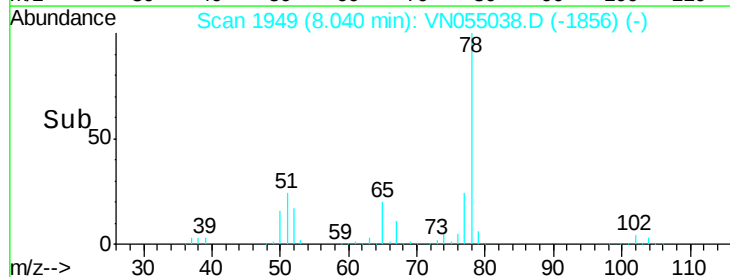
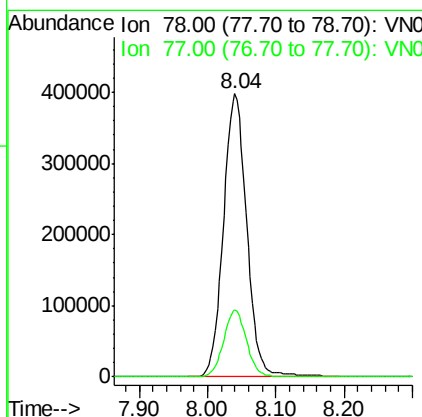
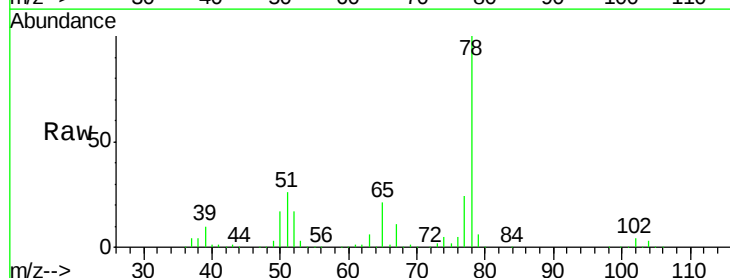
Manual Integrations  
APPROVED

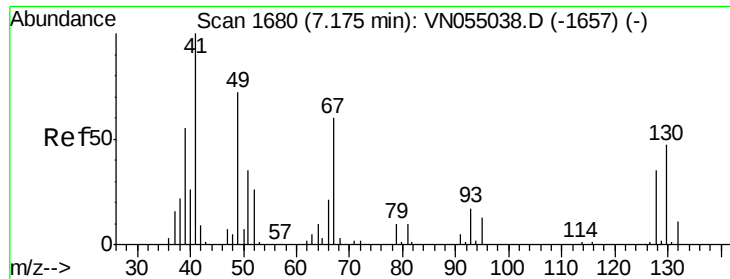
MMDadoda  
4/17/2019 1:49:06 PM



#40  
Benzene  
Concen: 50.330 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

| Tgt Ion   | 78.00 | Resp  | 945500 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 23.8  | 18.8  | 28.2   |





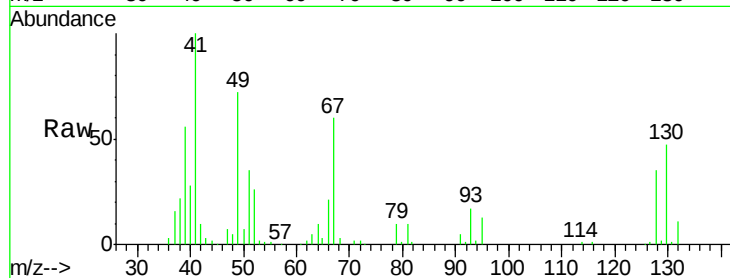
#41  
Methacrylonitrile  
Concen: 49.518 ug/l  
RT: 7.17 min Scan# 1680  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

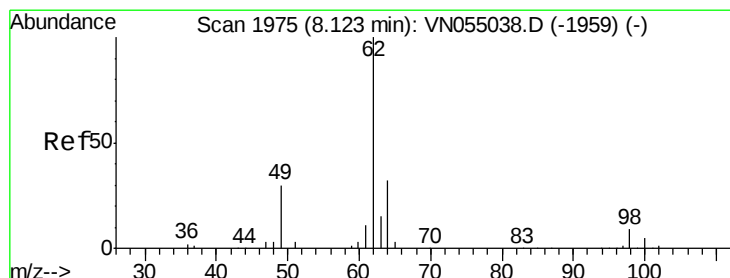
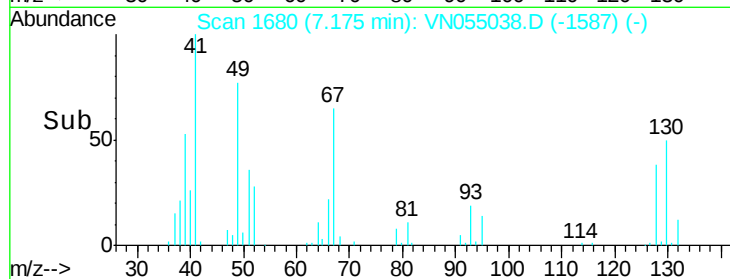
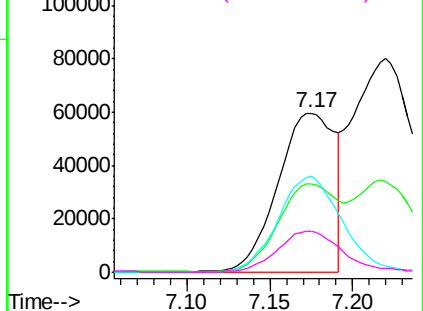
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 41      | 100  |       | 142132 |       |       |
| 39      | 57.6 | 45.6  | 68.4   |       |       |
| 67      | 68.2 | 57.0  | 85.6   |       |       |
| 52      | 30.1 | 23.6  | 35.4   |       |       |

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MMDadoda  
4/17/2019 1:49:06 PM

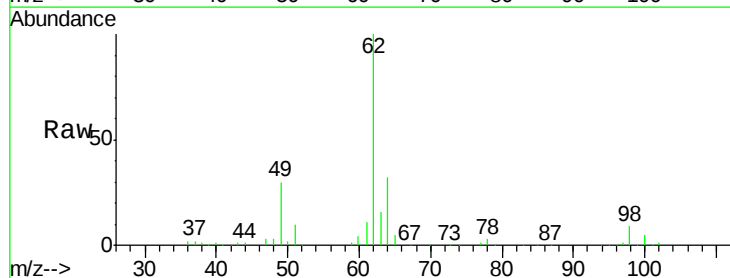


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0  
Ion 67.00 (66.70 to 67.70): VN0  
Ion 52.00 (51.70 to 52.70): VN0

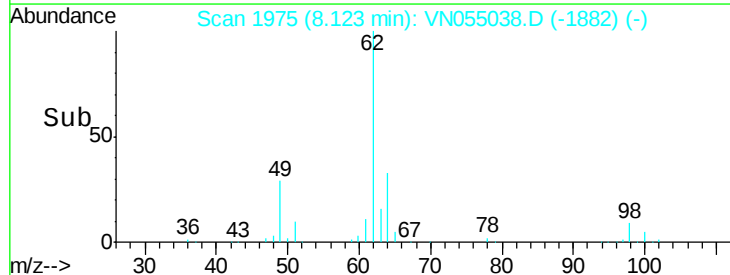
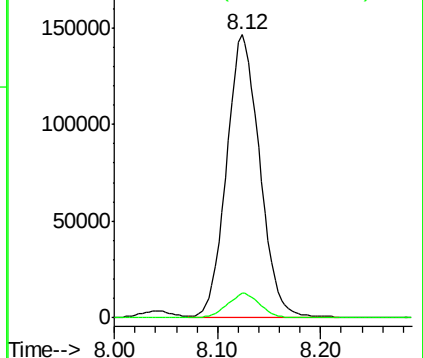


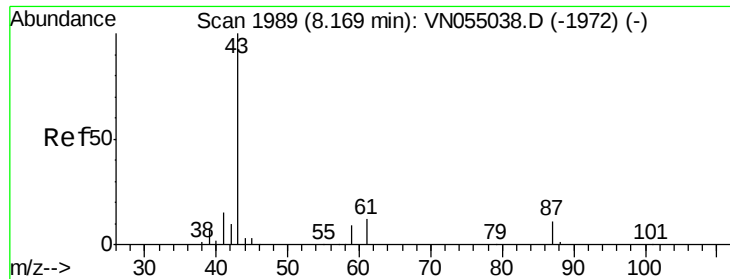
#42  
1,2-Dichloroethane  
Concen: 49.415 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 62      | 100 |       | 326567 |       |       |
| 98      | 8.6 | 0.0   | 17.4   |       |       |



Abundance Ion 61.90 (61.60 to 62.60): VN0  
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 52.320 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA\_N

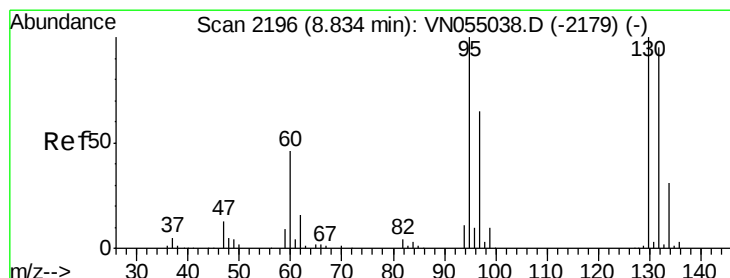
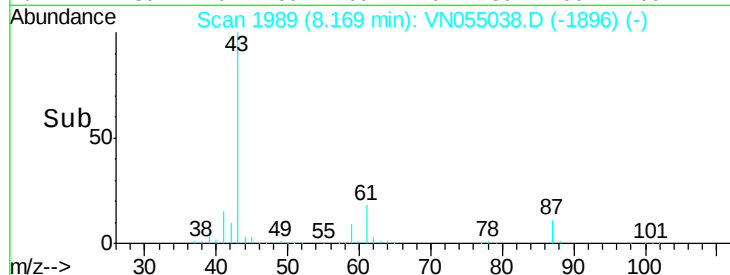
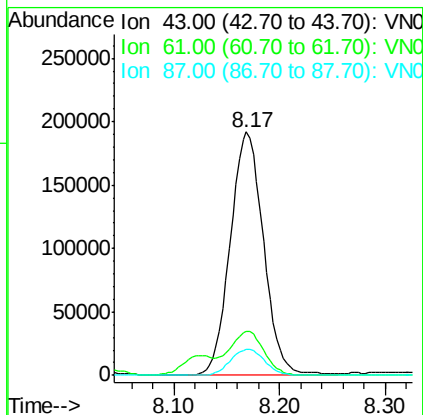
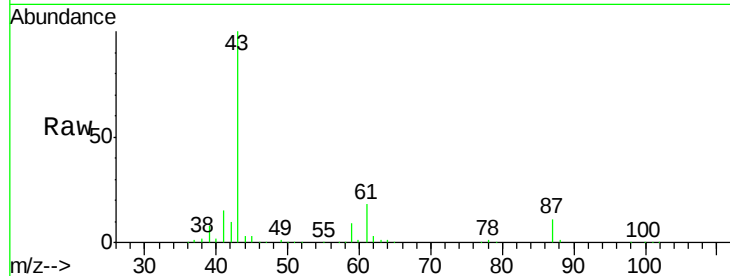
ClientSampleId :

VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 417320 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 18.1  | 14.3  | 21.5   |
| 87       | 11.2  | 8.6   | 13.0   |

Manual Integrations  
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#44

Trichloroethene

Concen: 49.475 ug/l

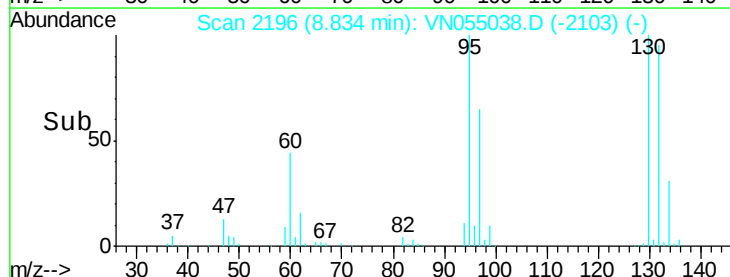
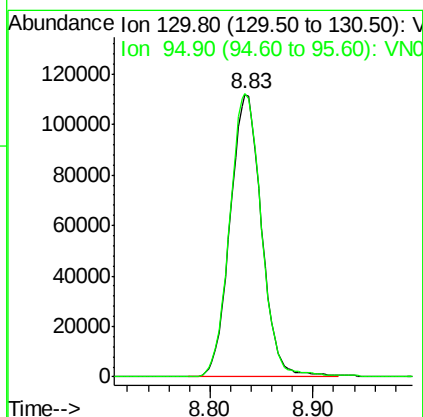
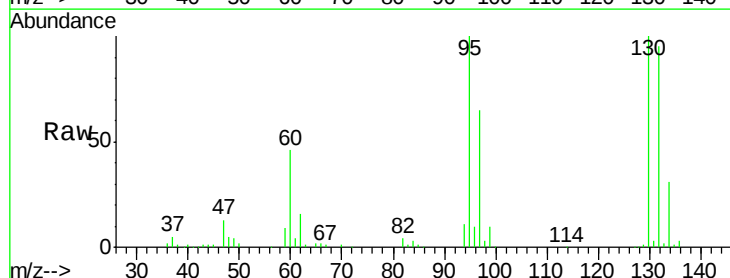
RT: 8.83 min Scan# 2196

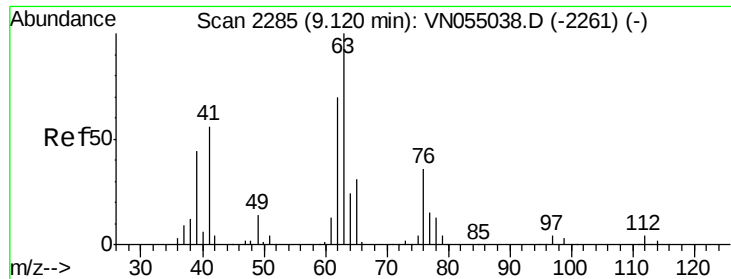
Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 237526 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 100.1 | 0.0   | 201.6  |





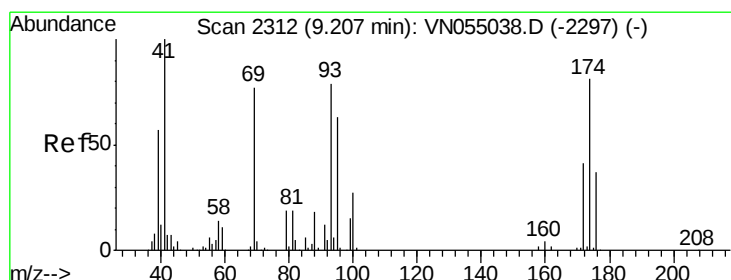
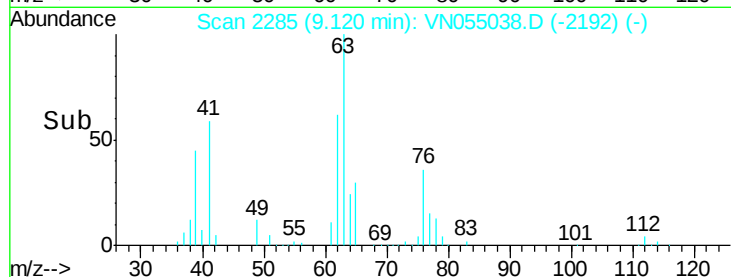
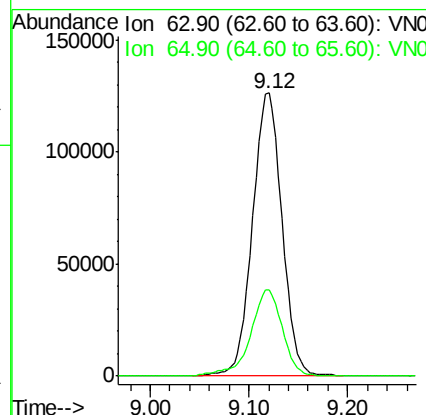
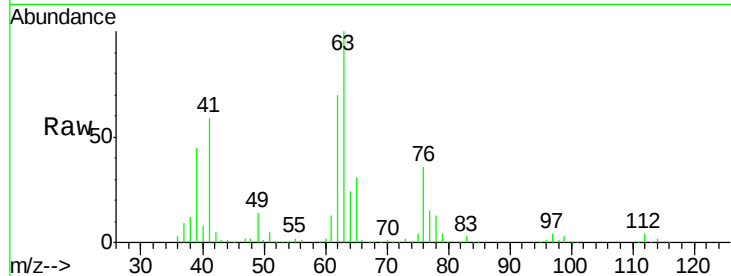
#45  
 1,2-Dichloropropane  
 Concen: 49.164 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN055038.D  
 Acq: 15 Apr 2019 11:08

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDICCC050

| Tot Ion   | 63    | Resp  | 260637 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 63        | 100   |       |        |
| 65        | 30.6  | 24.4  | 36.6   |

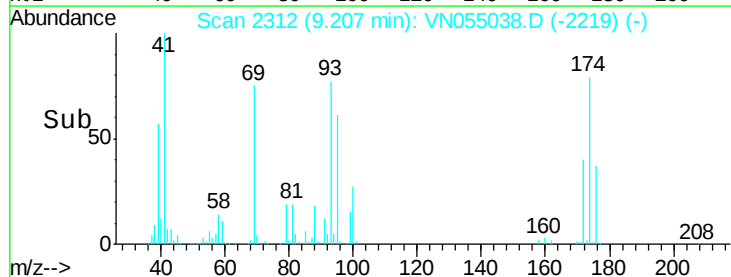
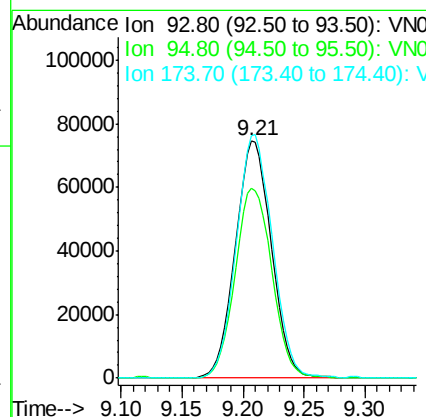
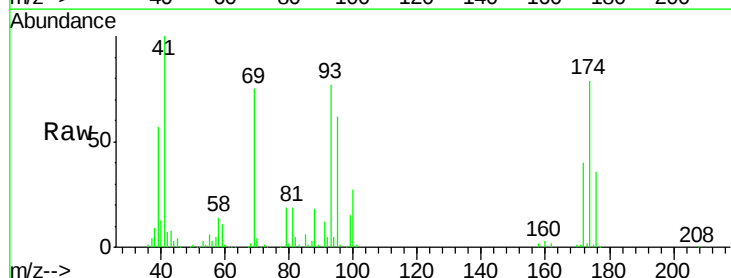
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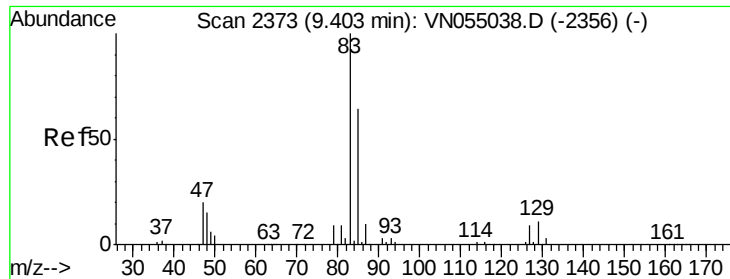
MMDadoda  
 4/17/2019 1:49:06 PM



#46  
 Dibromomethane  
 Concen: 50.466 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. 0.00 min  
 Lab File: VN055038.D  
 Acq: 15 Apr 2019 11:08

| Tgt Ion   | 93    | Resp  | 153300 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 81.8  | 65.0  | 97.6   |
| 174       | 102.7 | 81.0  | 121.6  |





#47

Bromodichloromethane

Concen: 50.771 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA\_N

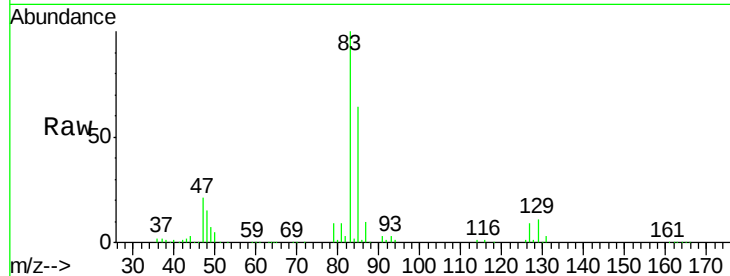
ClientSampleId :

VSTDICCC050

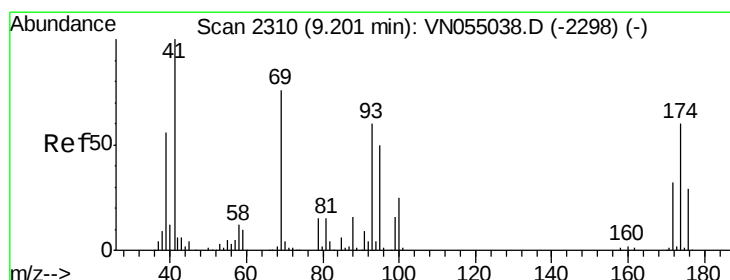
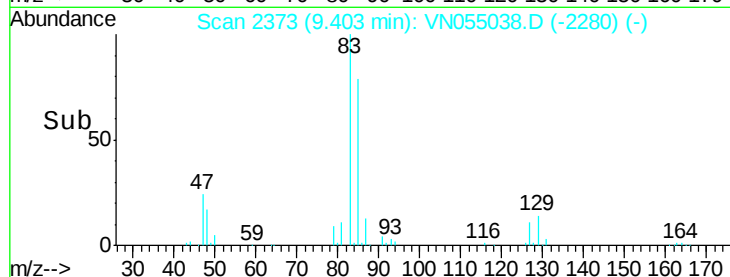
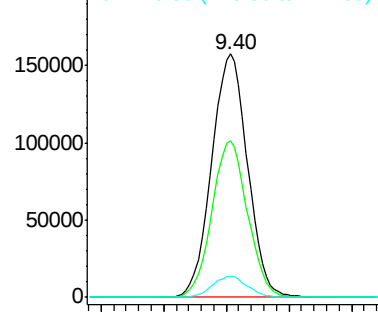
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 313634 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.4  | 51.2  | 76.8   |
| 127       | 8.8   | 6.8   | 10.2   |

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Abundance Ion 82.90 (82.60 to 83.60): VNO  
Ion 84.90 (84.60 to 85.60): VNO  
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 49.528 ug/l

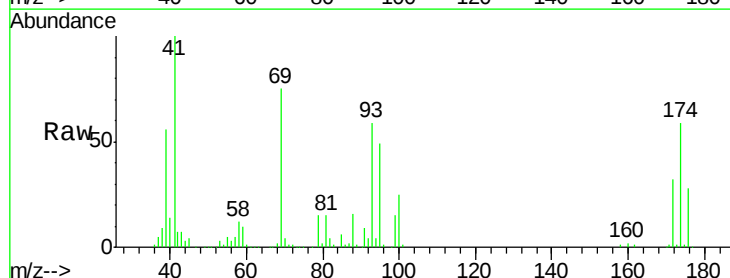
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

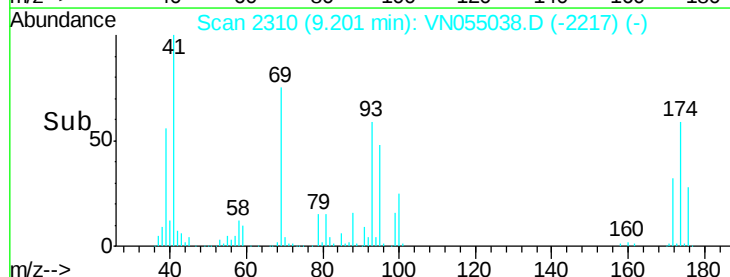
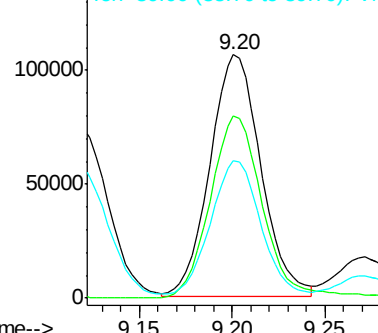
Lab File: VN055038.D

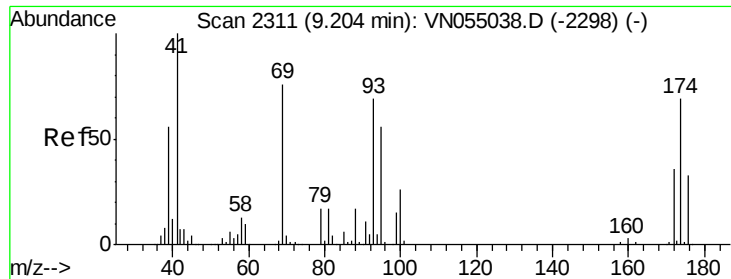
Acq: 15 Apr 2019 11:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 203509 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 78.2  | 60.5  | 90.7   |
| 39        | 56.2  | 43.9  | 65.9   |



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





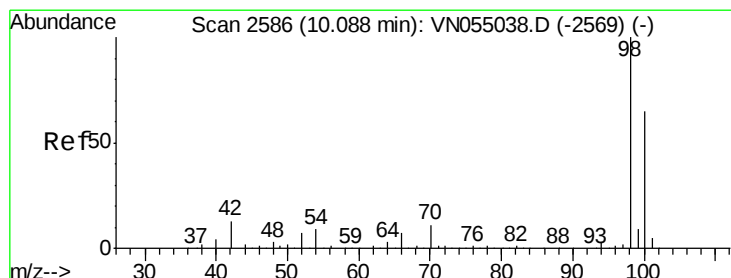
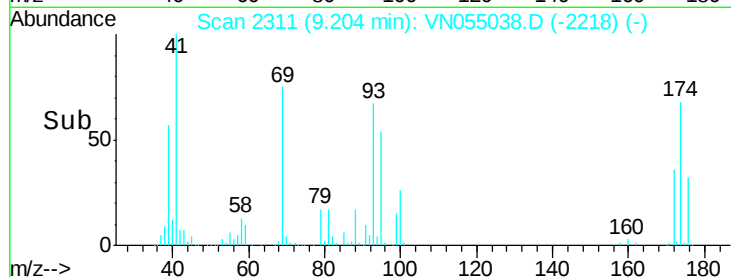
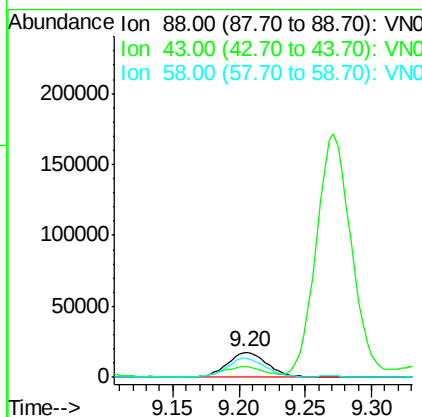
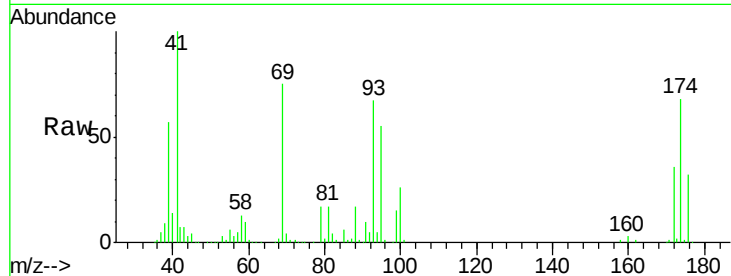
#49  
1,4-Dioxane  
Concen: 848.908 ug/l  
RT: 9.20 min Scan# 2311  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 39.1  | 31.8  | 47.8  |
| 58      | 74.1  | 61.6  | 92.4  |

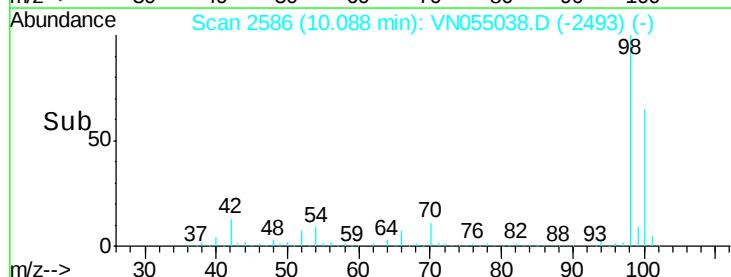
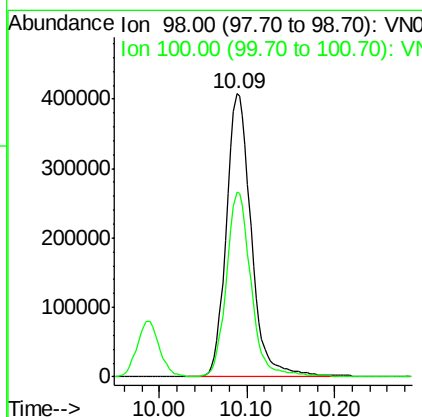
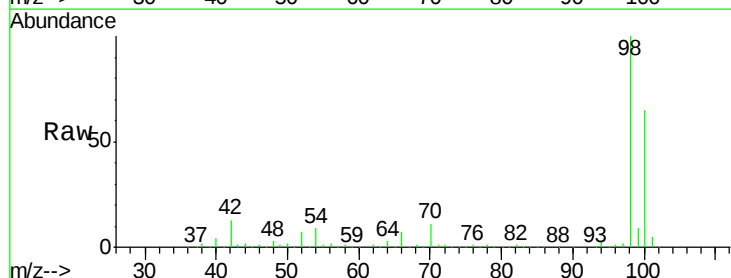
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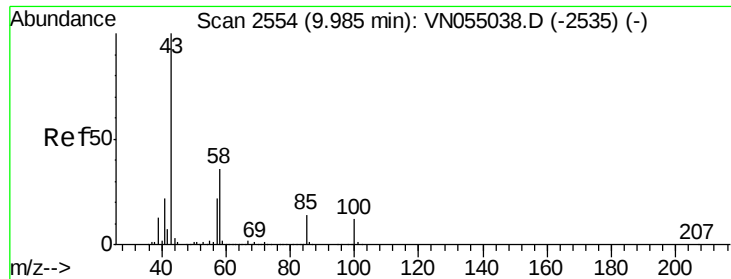
MMDadoda  
4/17/2019 1:49:06 PM



#50  
Toluene-d8  
Concen: 51.485 ug/l  
RT: 10.09 min Scan# 2586  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.0  | 51.1  | 76.7  |





#51

4-Methyl-2-Pentanone

Concen: 260.313 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1215752

Ion Ratio Lower Upper

43 100

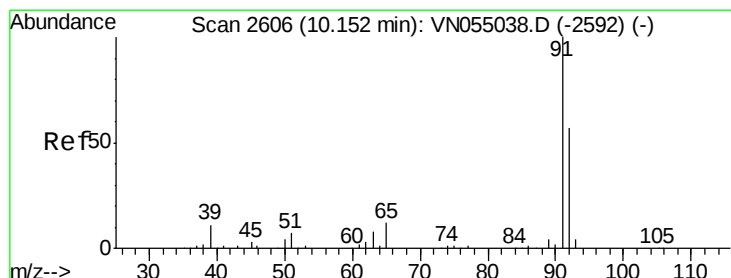
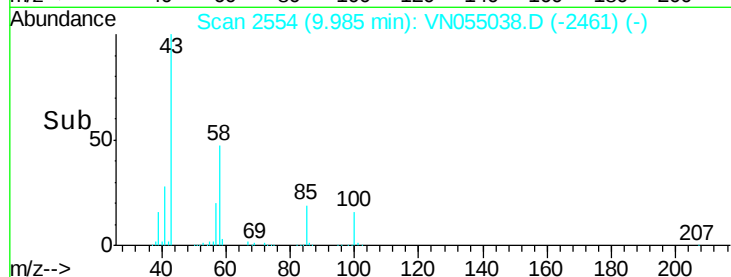
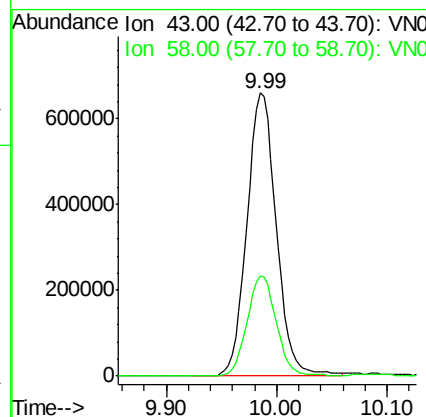
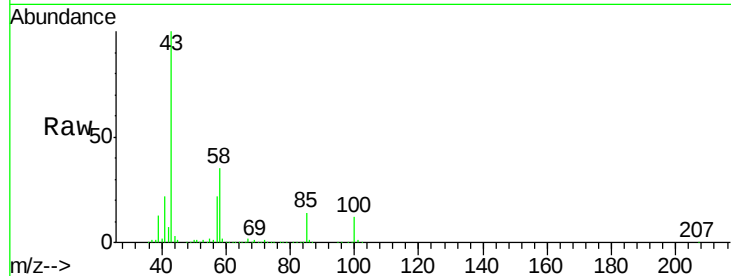
58 35.5 29.0 43.4

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#52

Toluene

Concen: 50.080 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055038.D

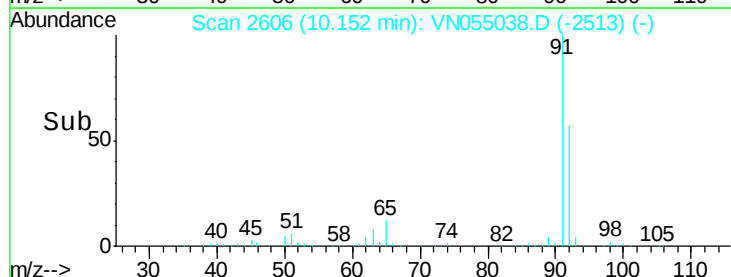
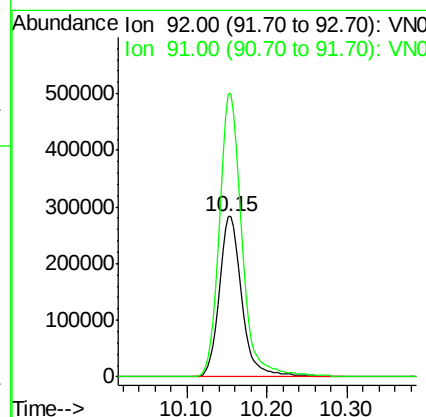
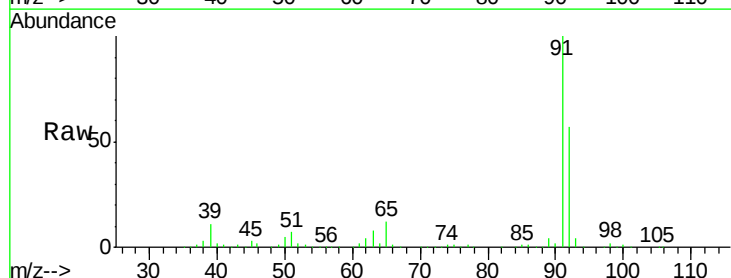
Acq: 15 Apr 2019 11:08

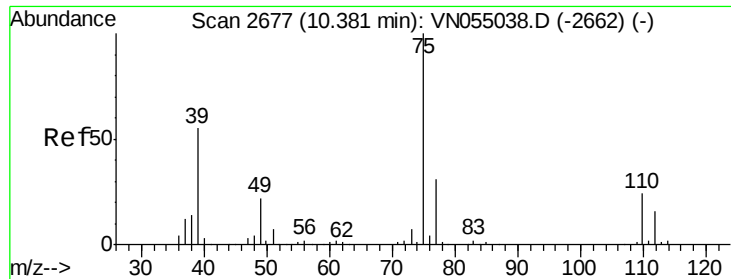
Tgt Ion: 92 Resp: 556406

Ion Ratio Lower Upper

92 100

91 176.6 140.8 211.2





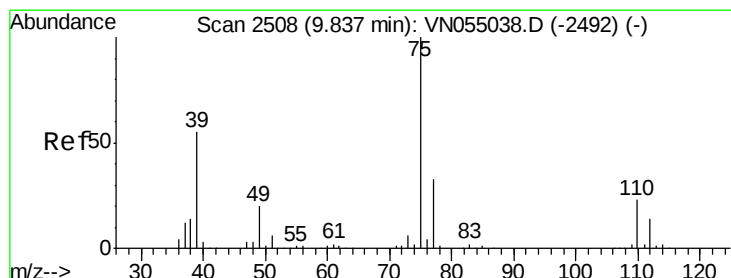
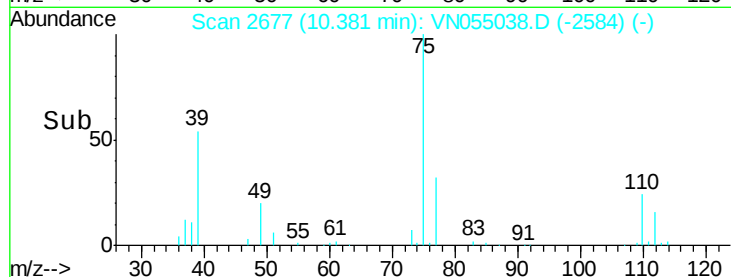
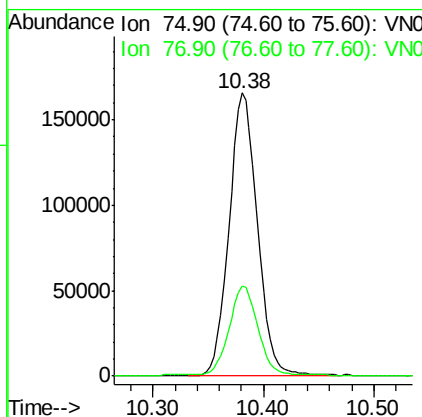
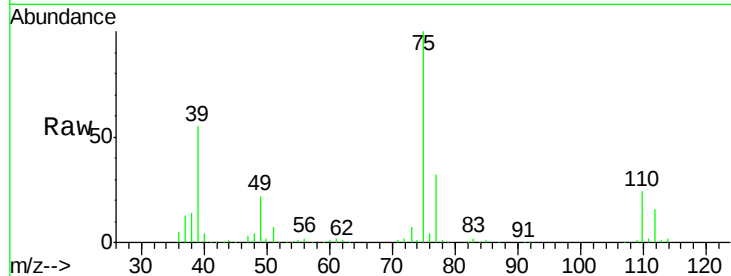
#53  
t-1,3-Dichloropropene  
Concen: 52.931 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Tot Ion: 75 Resp: 296076  
Ion Ratio Lower Upper  
75 100  
77 31.3 24.6 37.0

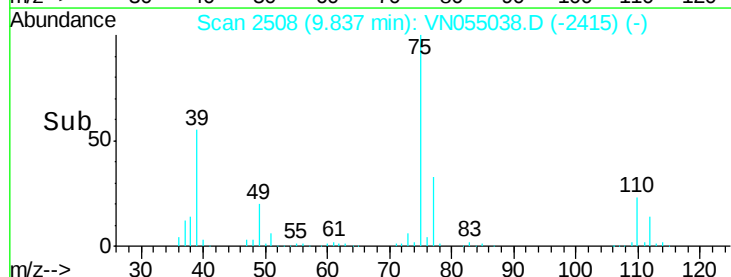
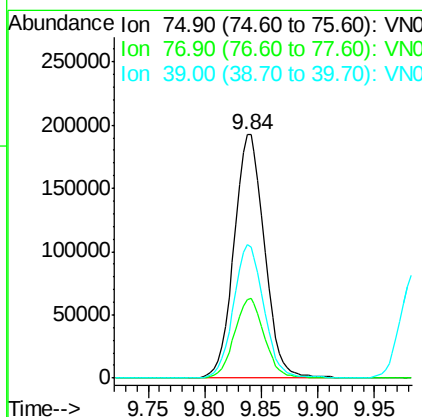
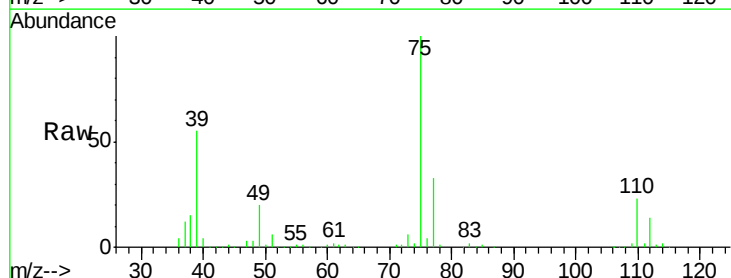
Manual Integrations  
APPROVED

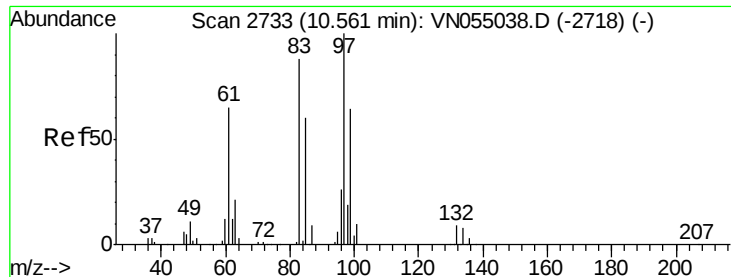
MMDadoda  
4/17/2019 1:49:06 PM



#54  
cis-1,3-Dichloropropene  
Concen: 52.390 ug/l  
RT: 9.84 min Scan# 2508  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Tgt Ion: 75 Resp: 360990  
Ion Ratio Lower Upper  
75 100  
77 32.5 25.8 38.6  
39 54.7 43.8 65.8





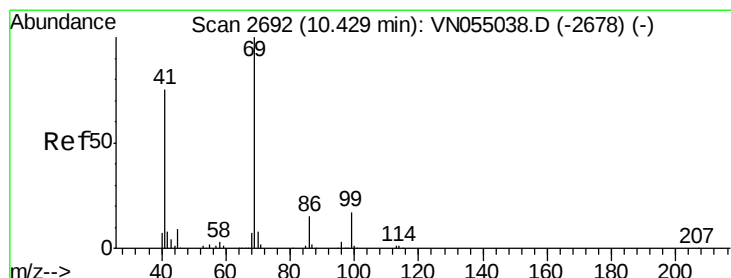
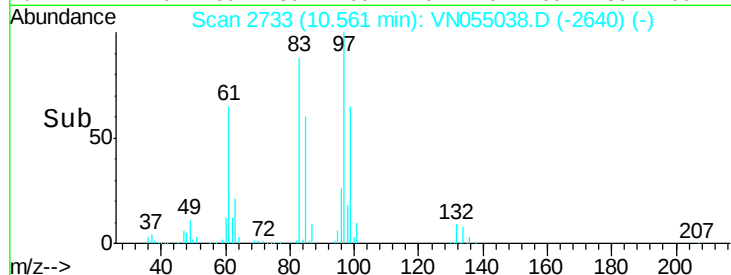
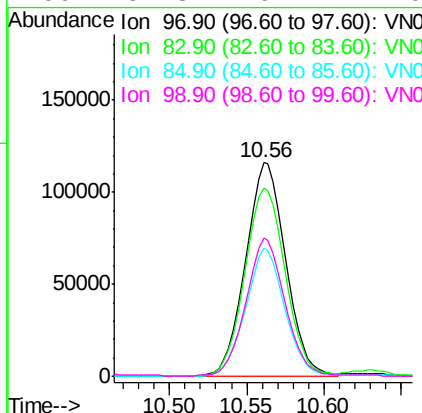
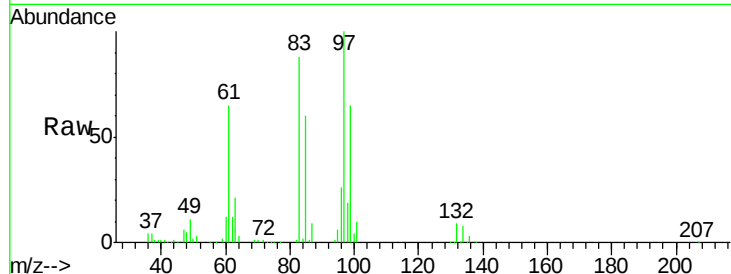
#55  
 1,1,2-Trichloroethane  
 Concen: 50.568 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. 0.00 min  
 Lab File: VN055038.D  
 Acq: 15 Apr 2019 11:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 209291 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 88.4  | 70.5  | 105.7  |
| 85       | 59.9  | 45.5  | 68.3   |
| 99       | 64.3  | 49.4  | 74.0   |

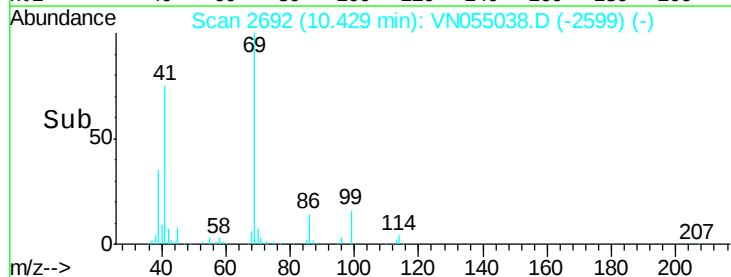
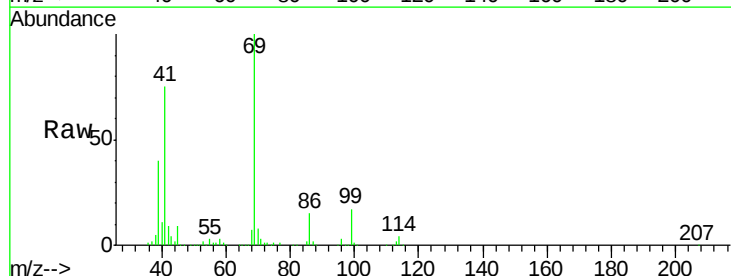
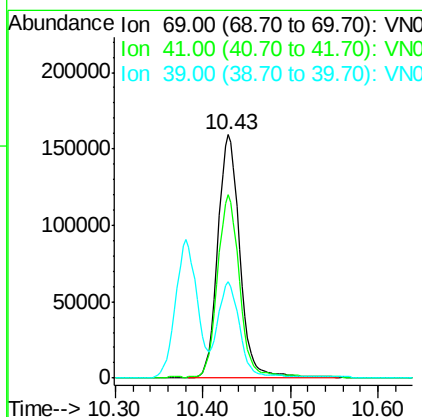
Manual Integrations  
 APPROVED

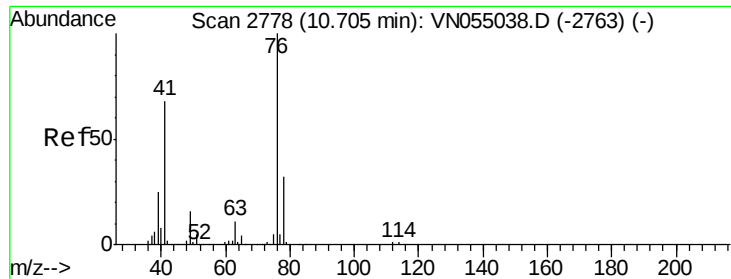
MMDadoda  
 4/17/2019 1:49:06 PM



#56  
 Ethyl methacrylate  
 Concen: 52.663 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN055038.D  
 Acq: 15 Apr 2019 11:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 280468 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 73.2  | 61.4  | 92.0   |
| 39       | 36.7  | 30.8  | 46.2   |





#57

1,3-Dichloropropane

Concen: 51.667 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 368889

Ion Ratio Lower Upper

76 100

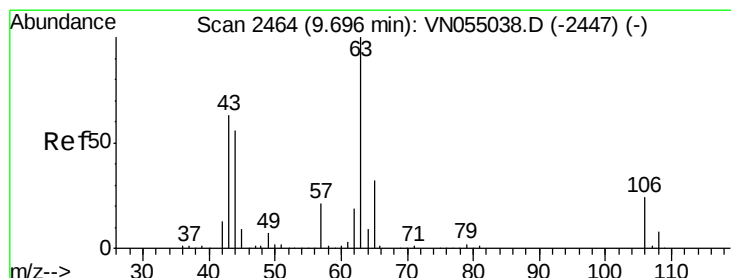
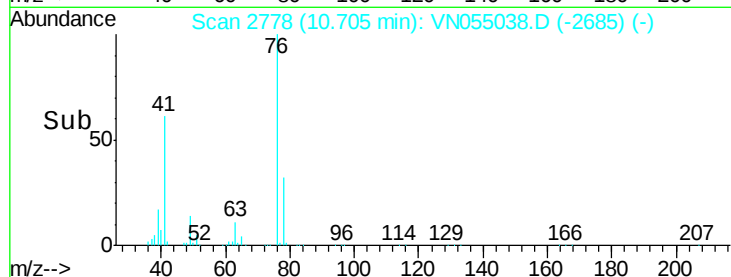
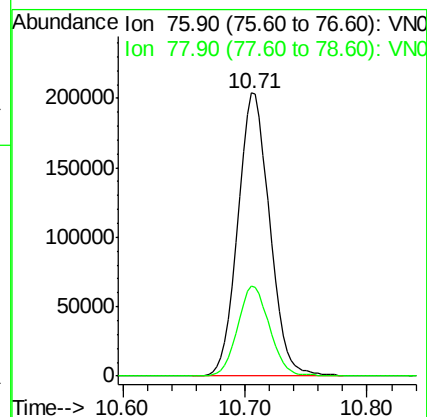
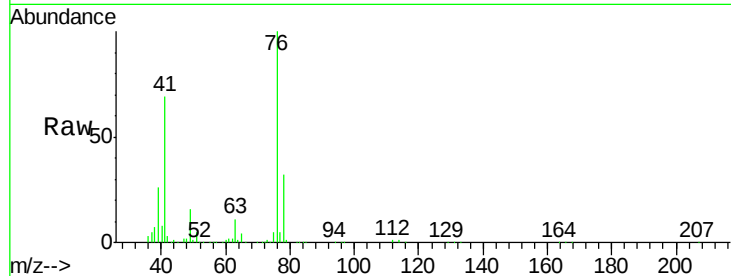
78 32.0 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 254.585 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055038.D

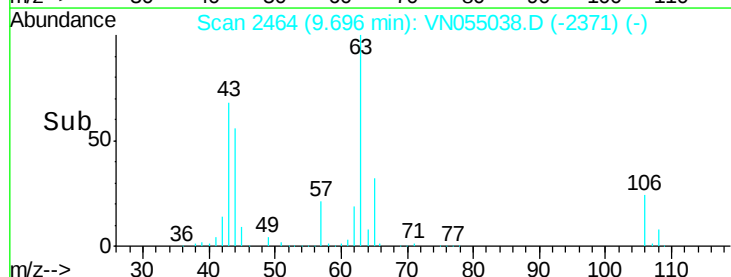
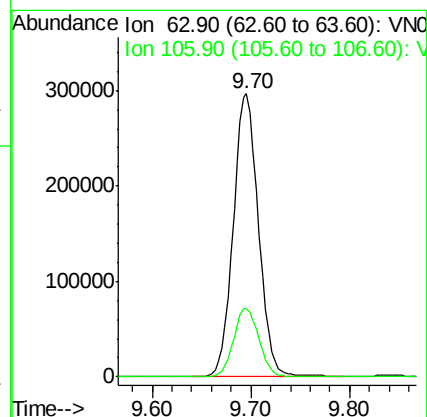
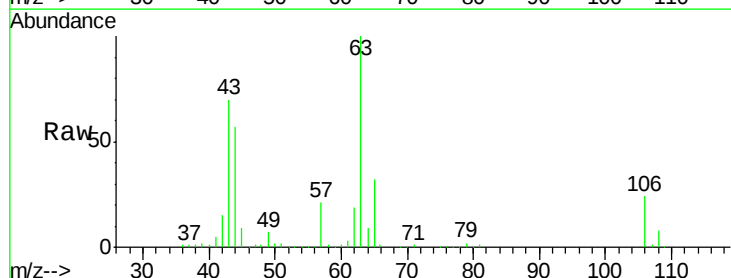
Acq: 15 Apr 2019 11:08

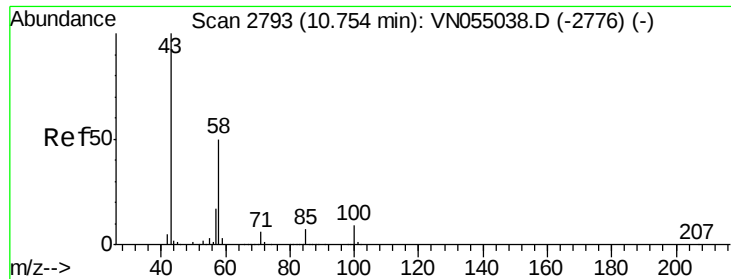
Tgt Ion: 63 Resp: 530505

Ion Ratio Lower Upper

63 100

106 24.4 20.0 30.0





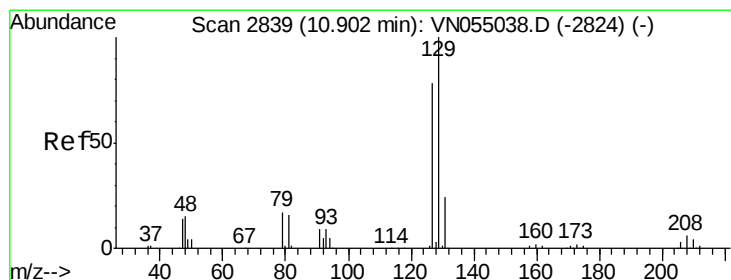
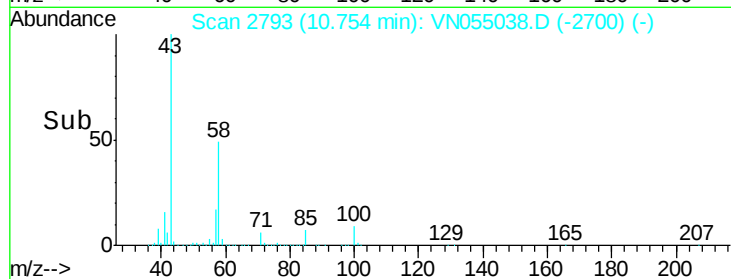
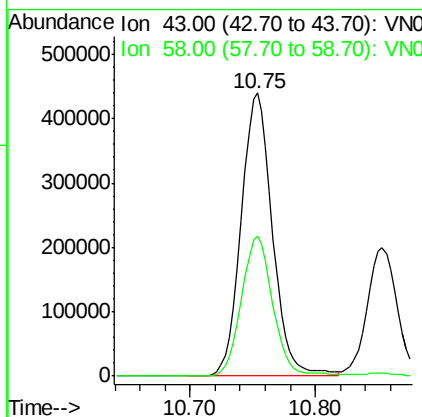
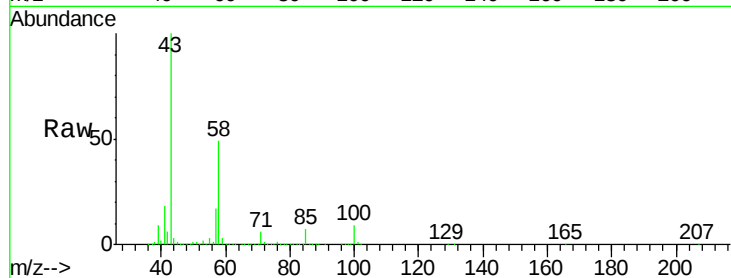
#59  
2-Hexanone  
Concen: 260.595 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

| Tot Ion   | 43   | Resp  | 760542 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 49.7 | 25.1  | 75.2   |

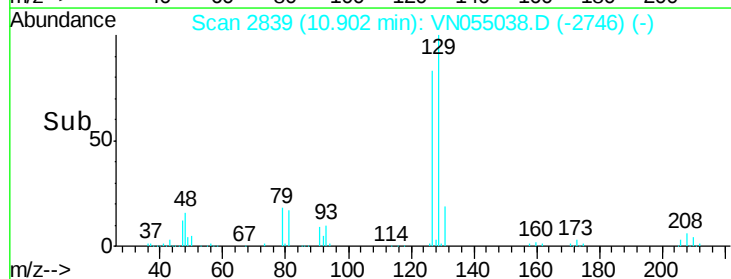
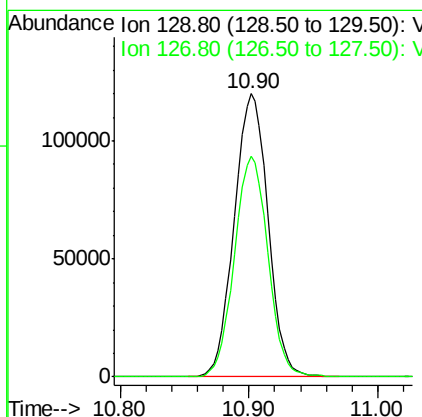
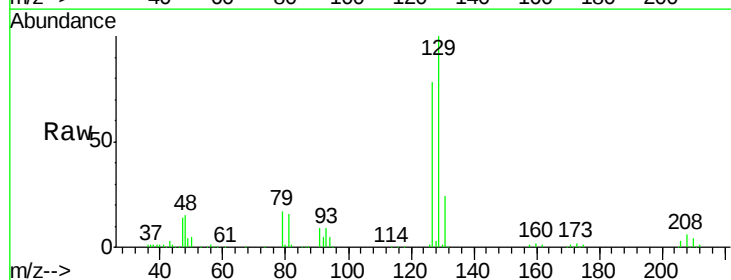
Manual Integrations  
APPROVED

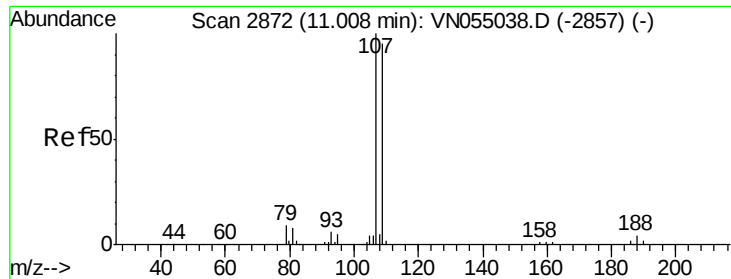
MMDadoda  
4/17/2019 1:49:06 PM



#60  
Dibromochloromethane  
Concen: 53.172 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

| Tgt Ion   | 129  | Resp  | 219053 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 129       | 100  |       |        |
| 127       | 77.3 | 38.2  | 114.6  |





#61

1,2-Dibromoethane

Concen: 50.748 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 201096

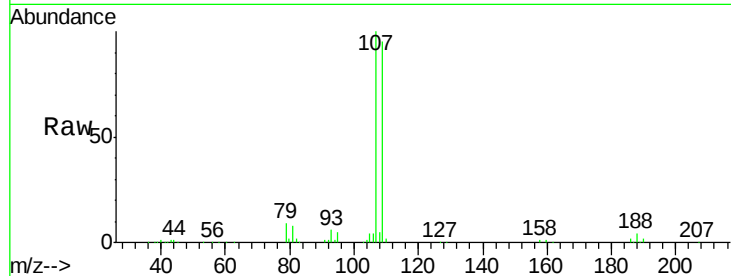
Ion Ratio Lower Upper

107 100

109 94.6 76.5 114.7

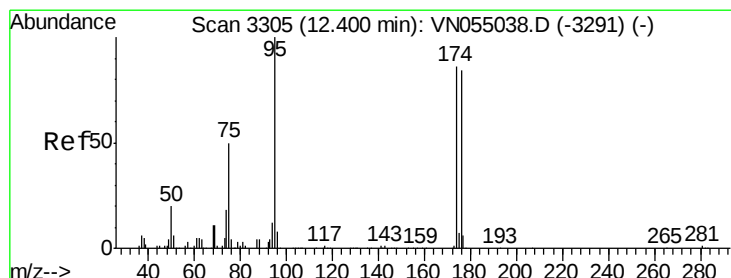
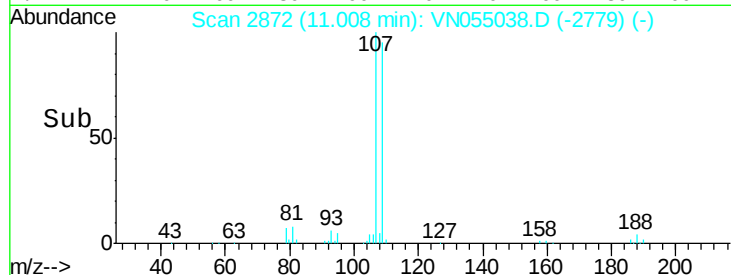
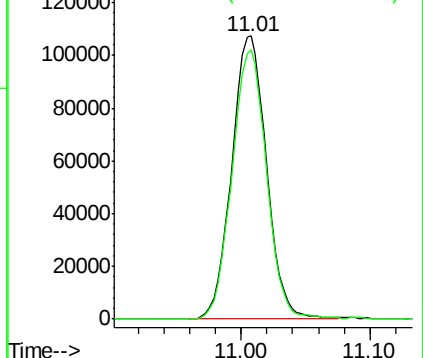
Manual Integrations  
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.109 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

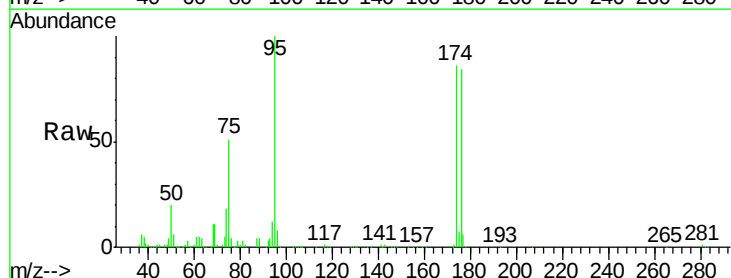
Tgt Ion: 95 Resp: 271008

Ion Ratio Lower Upper

95 100

174 85.1 0.0 174.4

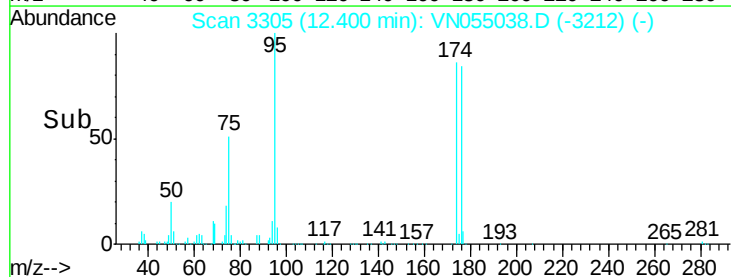
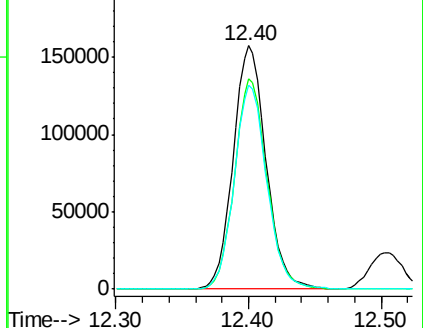
176 83.1 0.0 166.8

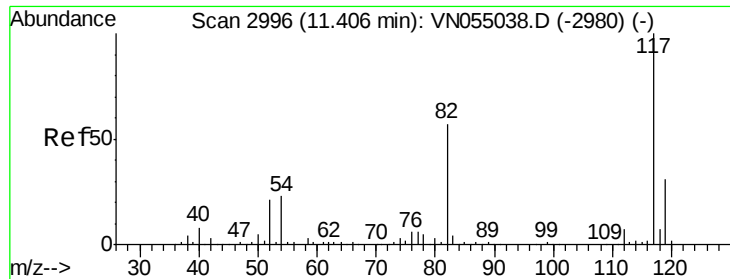


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





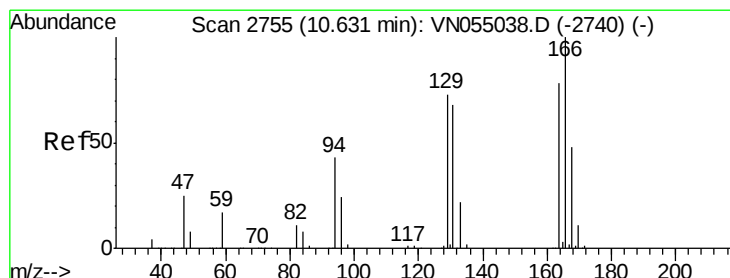
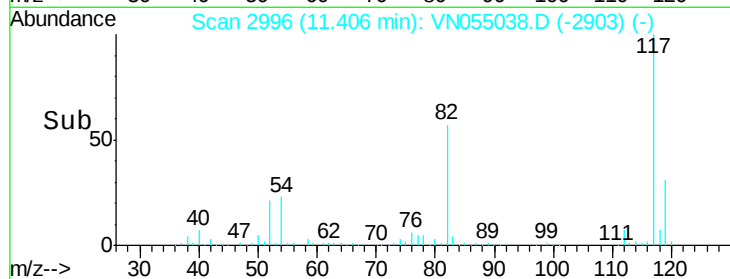
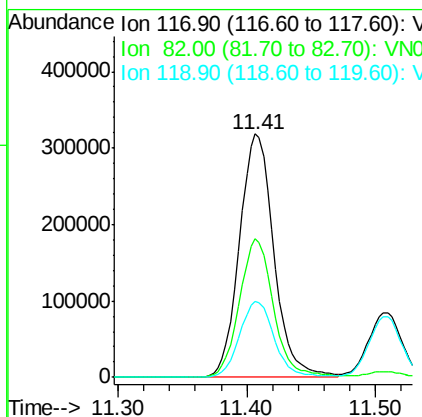
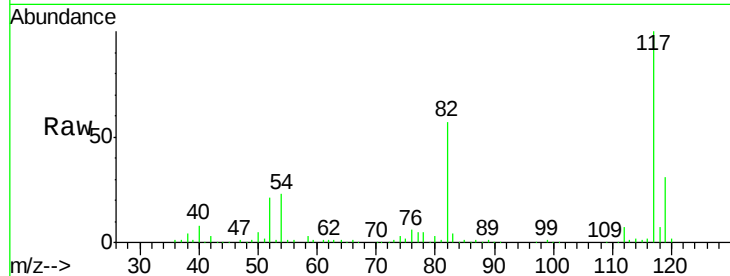
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.9  | 44.6  | 66.8  |
| 119     | 31.3  | 25.5  | 38.3  |

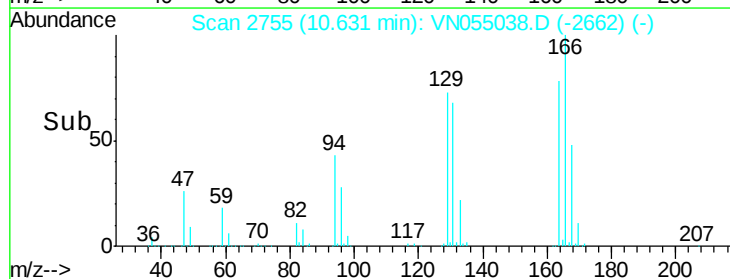
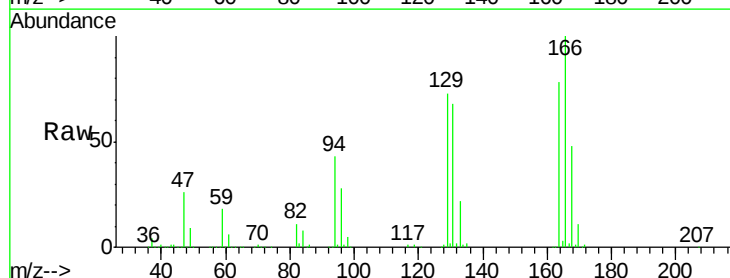
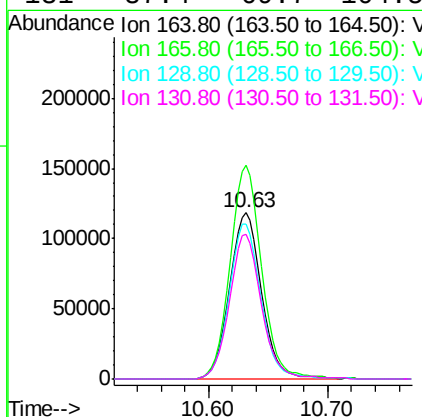
Manual Integrations  
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#64  
Tetrachloroethene  
Concen: 47.565 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.8 | 100.0 | 150.0 |
| 129     | 93.4  | 72.0  | 108.0 |
| 131     | 87.4  | 69.7  | 104.5 |





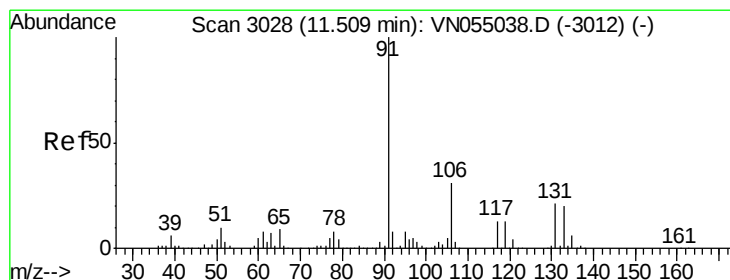
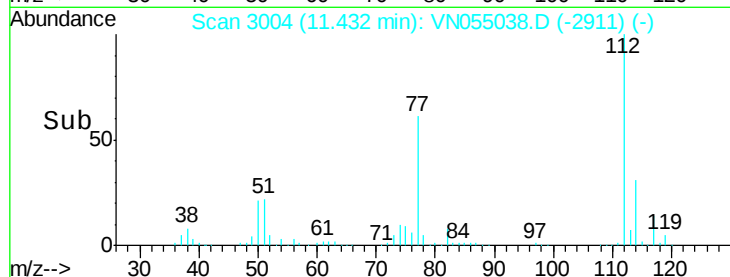
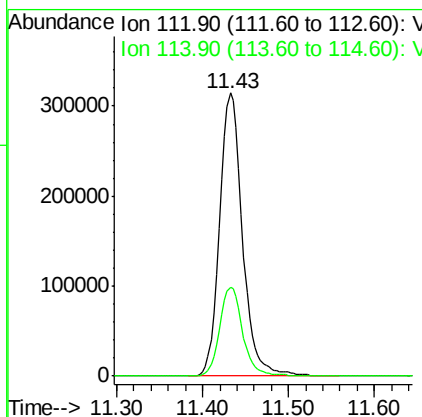
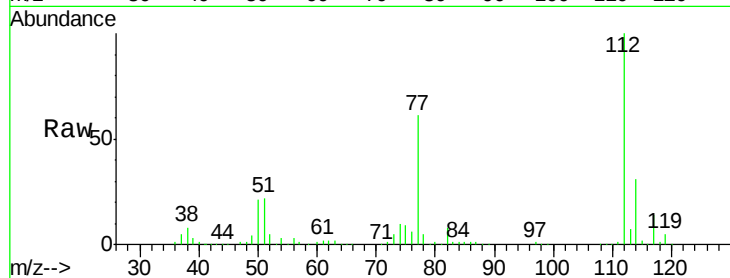
#65  
Chlorobenzene  
Concen: 51.100 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Tot Ion:112 Resp: 583789  
Ion Ratio Lower Upper  
112 100  
114 31.5 25.3 37.9

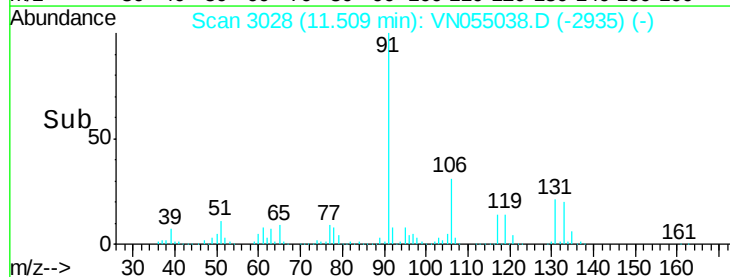
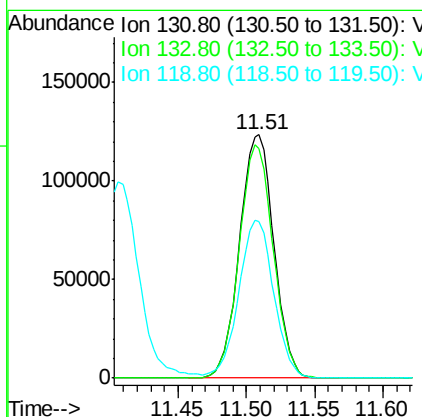
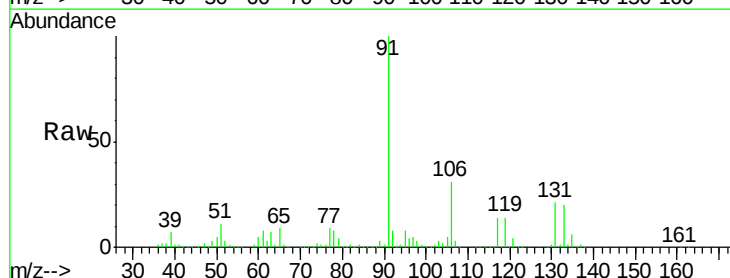
Manual Integrations  
APPROVED

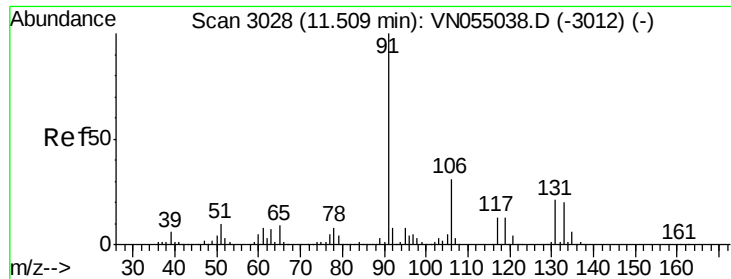
MMDadoda  
4/17/2019 1:49:06 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.253 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Tgt Ion:131 Resp: 215785  
Ion Ratio Lower Upper  
131 100  
133 95.0 47.8 143.3  
119 66.1 33.6 100.6





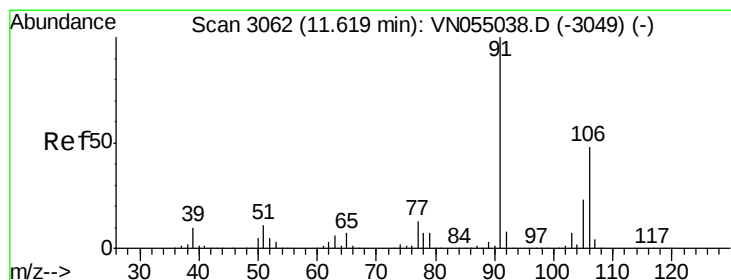
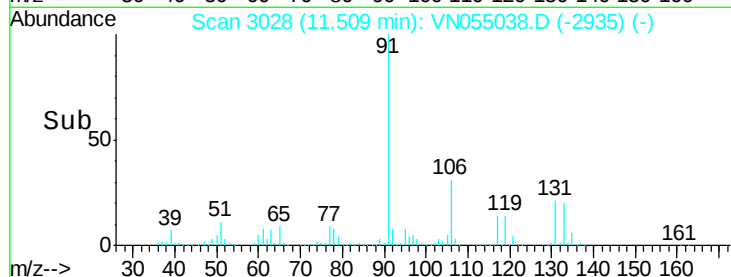
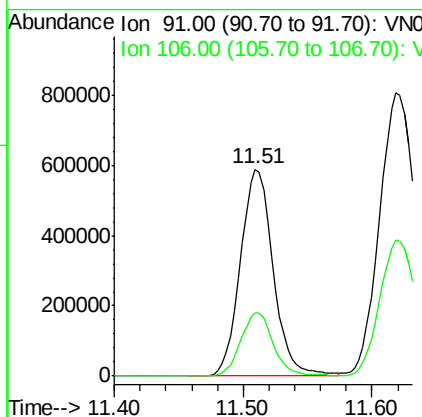
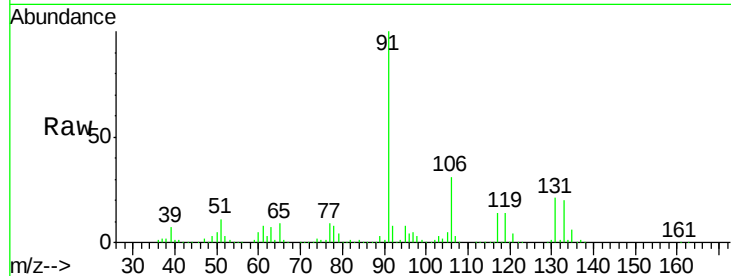
#67  
Ethyl Benzene  
Concen: 49.736 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Tot Ion: 91 Resp: 1043719  
Ion Ratio Lower Upper  
91 100  
106 30.8 24.3 36.5

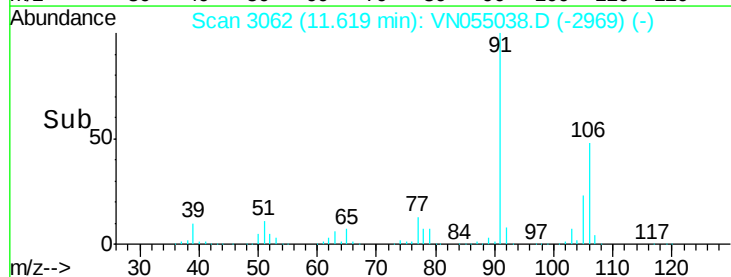
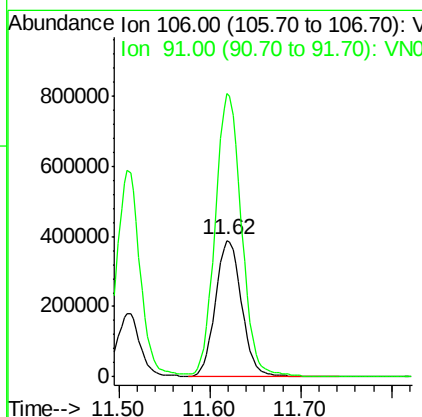
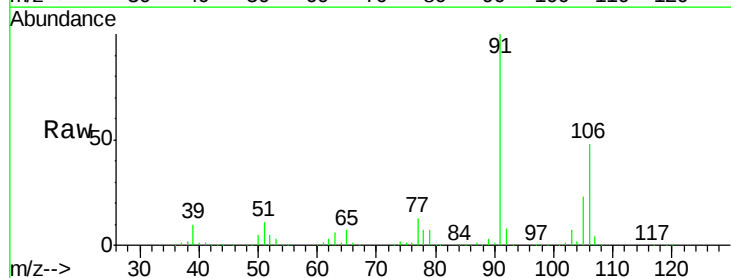
Manual Integrations  
APPROVED

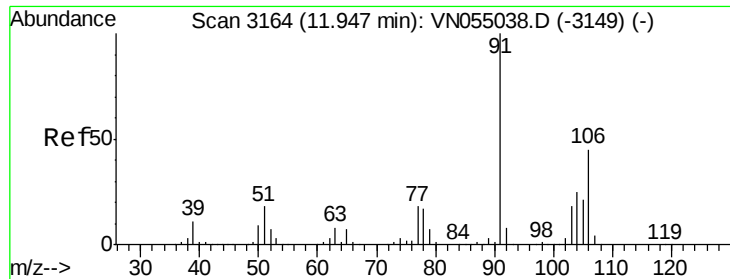
MMDadoda  
4/17/2019 1:49:06 PM



#68  
m/p-Xylenes  
Concen: 101.806 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Tgt Ion: 106 Resp: 781637  
Ion Ratio Lower Upper  
106 100  
91 208.2 165.9 248.9





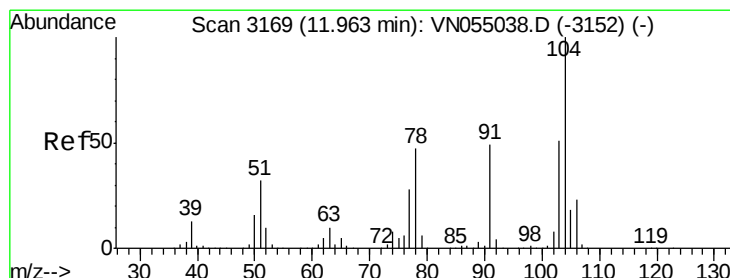
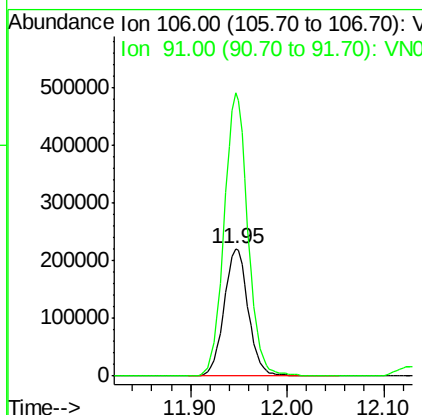
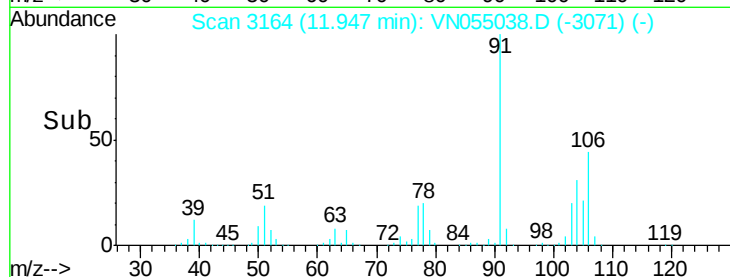
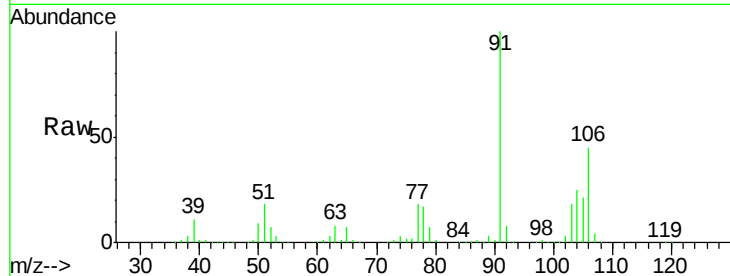
#69  
o-Xylene  
Concen: 50.367 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDICCC050

Tot Ion:106 Resp: 382613  
Ion Ratio Lower Upper  
106 100  
91 218.4 109.9 329.8

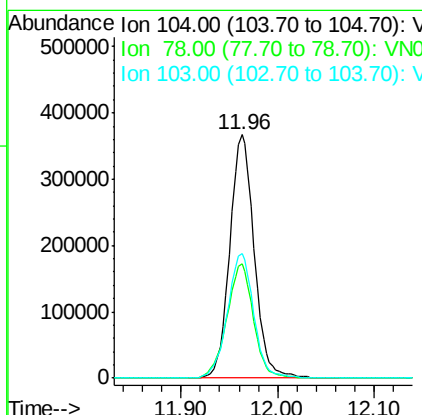
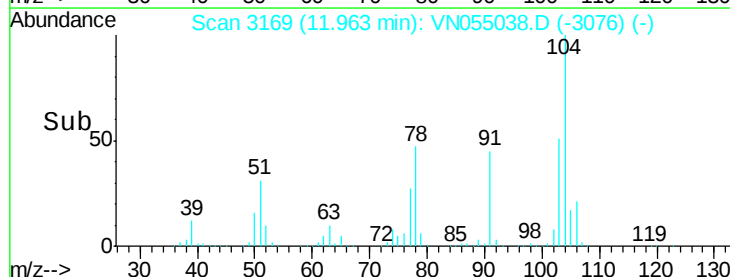
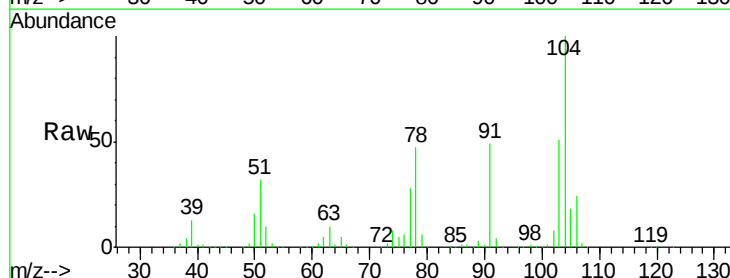
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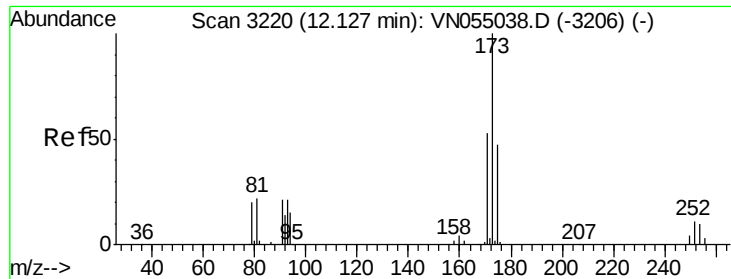
MMDadoda  
4/17/2019 1:49:06 PM



#70  
Styrene  
Concen: 53.393 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Tgt Ion:104 Resp: 643113  
Ion Ratio Lower Upper  
104 100  
78 51.0 40.3 60.5  
103 55.1 44.3 66.5





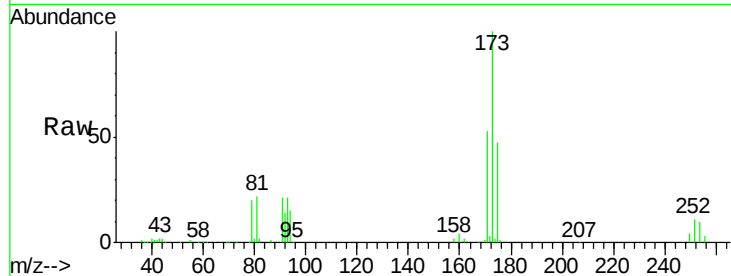
#71  
Bromoform  
Concen: 53.816 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDICCC050

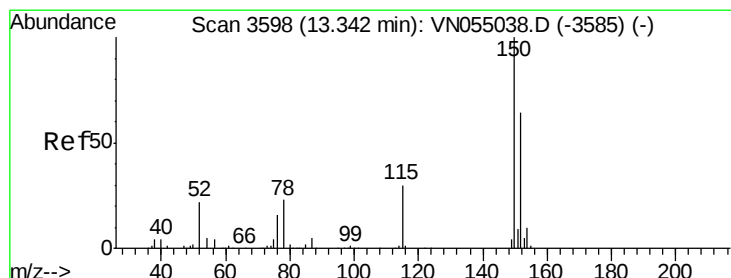
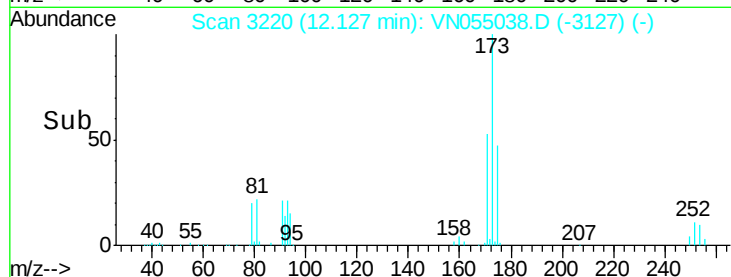
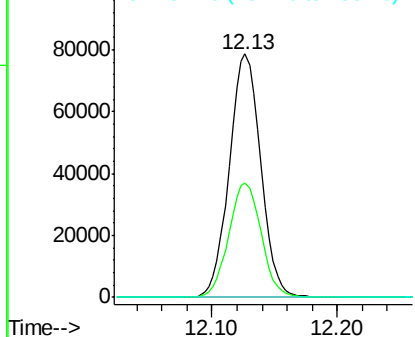
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.5  | 24.3  | 73.0  |
| 254     | 0.1   | 0.1   | 0.1   |

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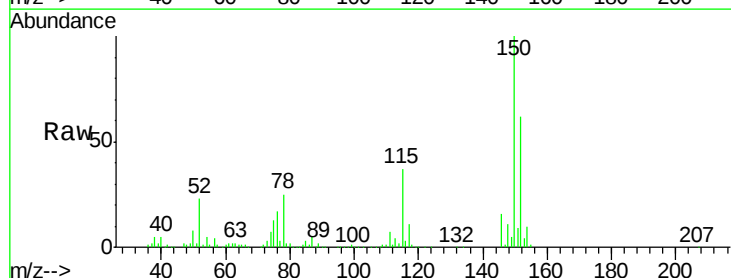


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

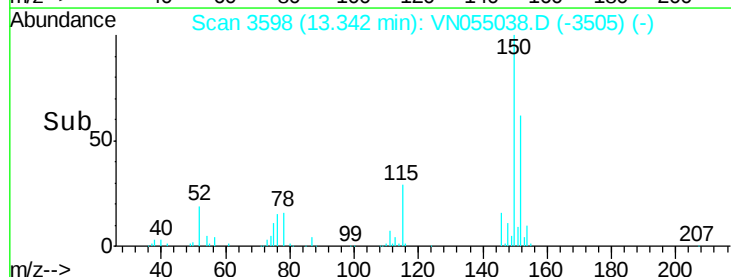
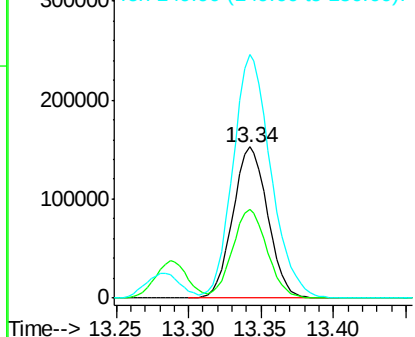


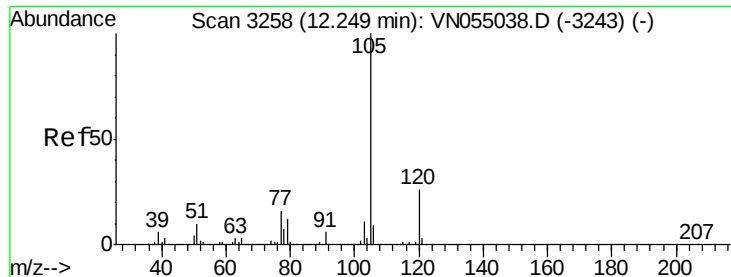
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.2  | 28.5  | 85.6  |
| 150     | 175.3 | 0.0   | 347.2 |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.203 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1000976

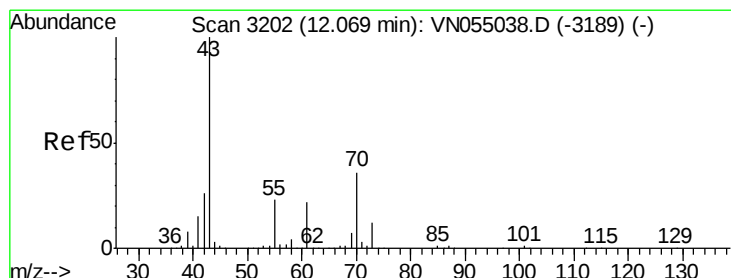
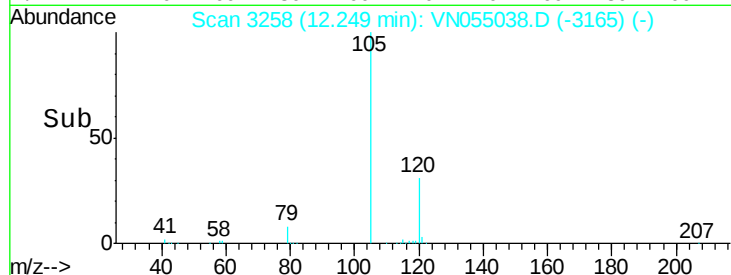
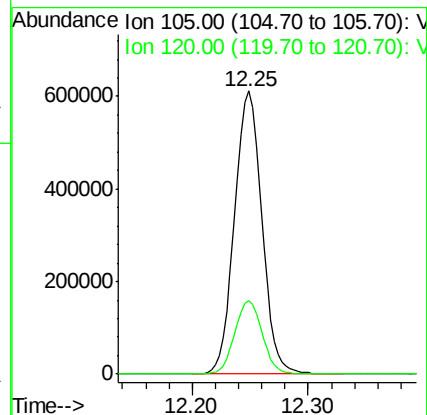
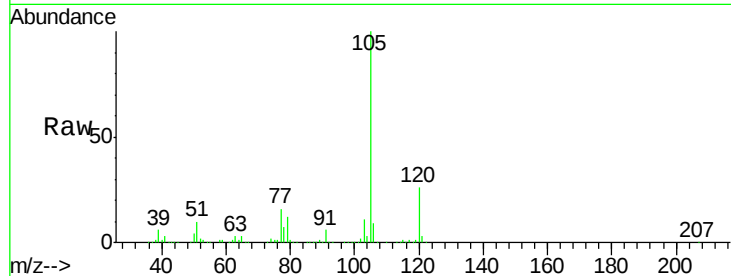
Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.9

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#74

N-ethyl acetate

Concen: 49.672 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Tgt Ion: 43 Resp: 324356

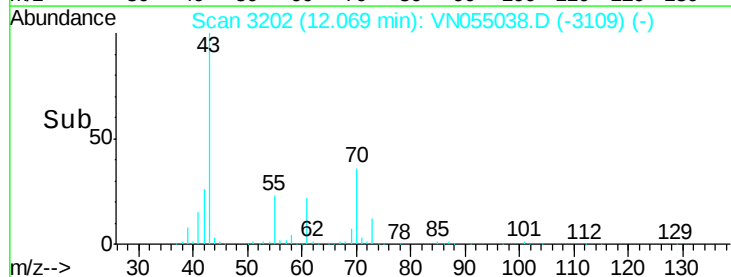
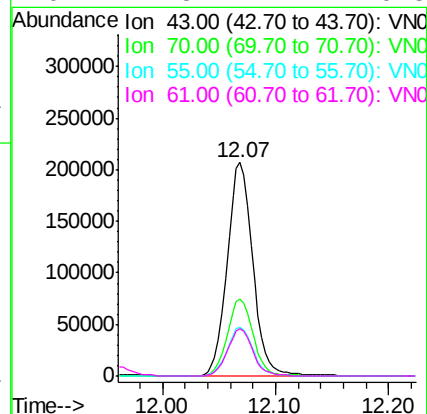
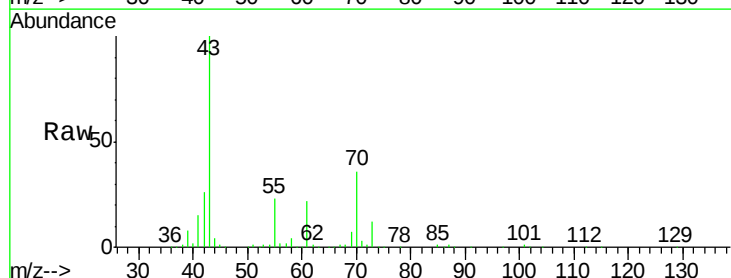
Ion Ratio Lower Upper

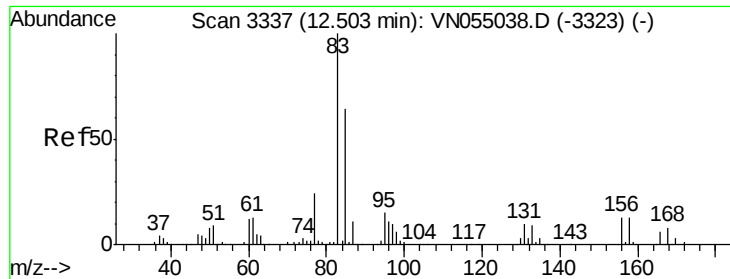
43 100

70 36.5 29.4 44.0

55 23.3 19.0 28.4

61 21.8 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.705 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA\_N

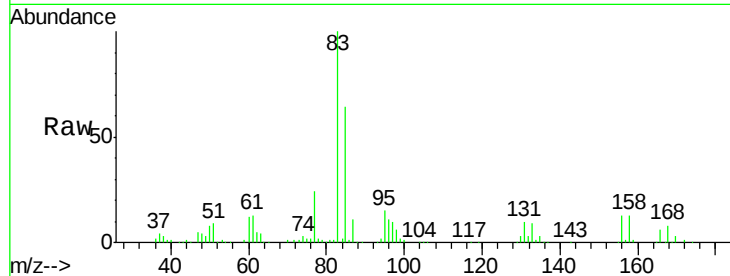
ClientSampleId :

VSTDICCC050

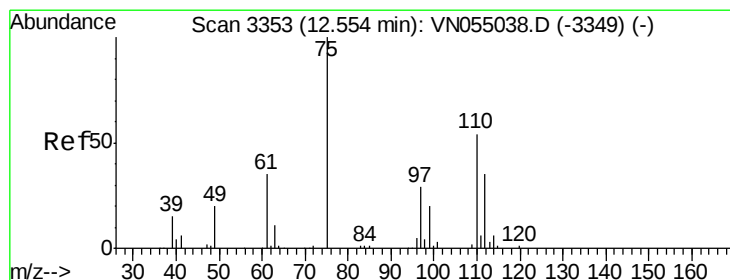
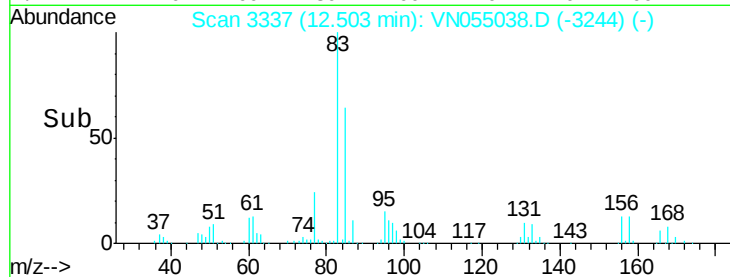
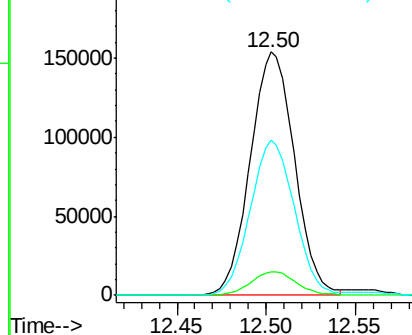
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 267580 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.0  | 5.0   | 15.0   |
| 85        | 63.5  | 32.3  | 96.9   |

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Abundance Ion 82.90 (82.60 to 83.60): VNO  
Ion 130.80 (130.50 to 131.50): VNO  
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 43.954 ug/l m

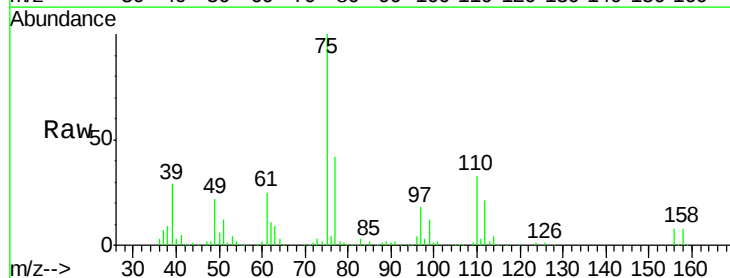
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

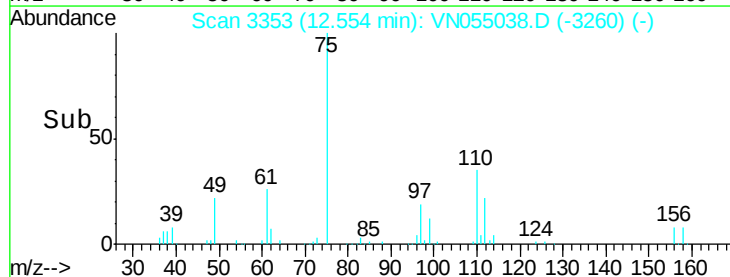
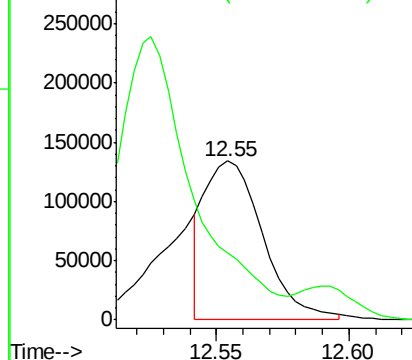
Lab File: VN055038.D

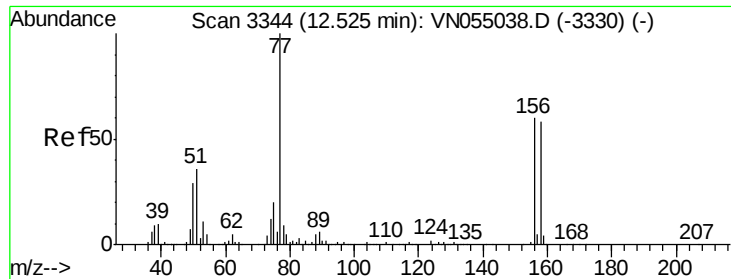
Acq: 15 Apr 2019 11:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 206048 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |



Abundance Ion 74.90 (74.60 to 75.60): VNO  
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 47.317 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA\_N

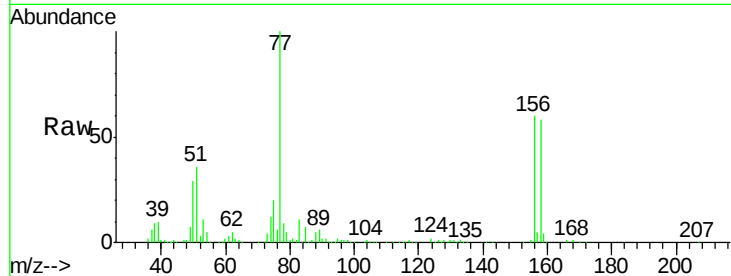
ClientSampleId :

VSTDICCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 251817 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 192.9 | 97.2  | 291.5  |
| 158       | 97.3  | 48.6  | 145.9  |

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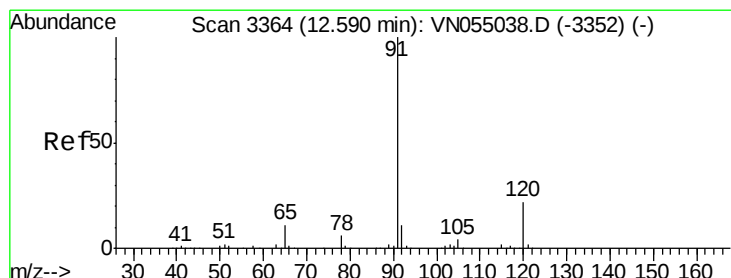
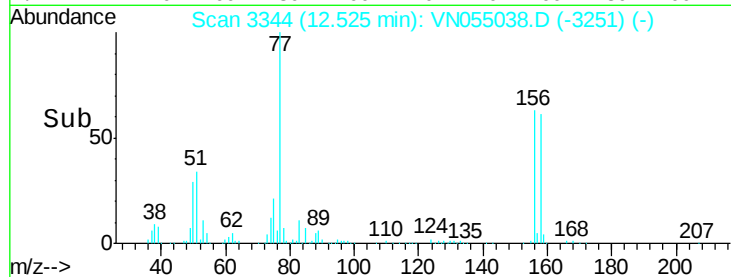
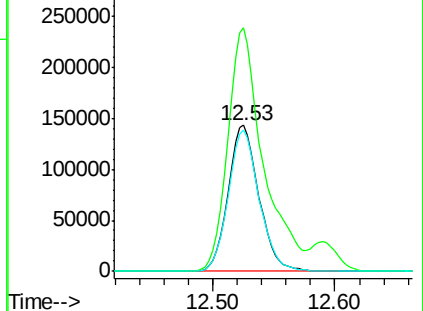
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.618 ug/l

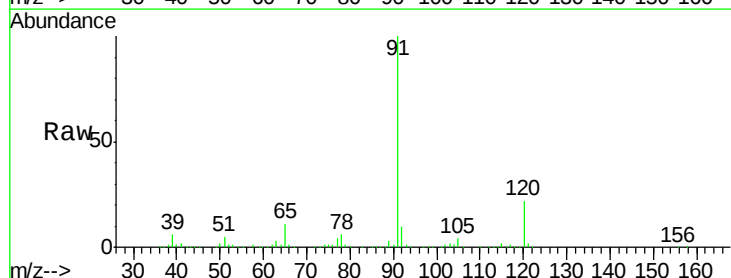
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055038.D

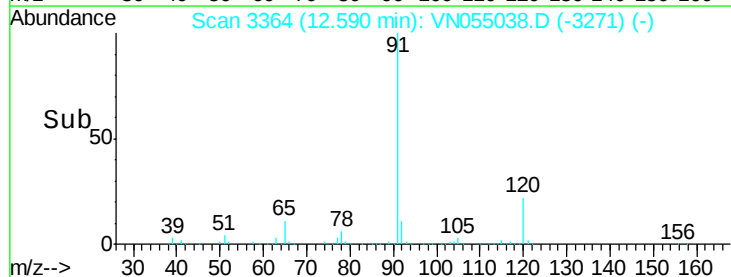
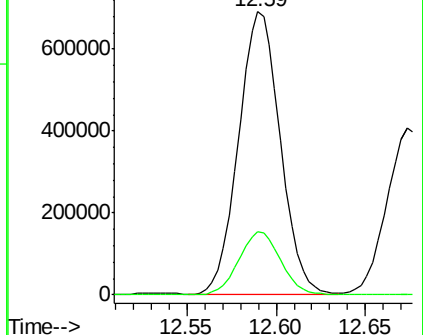
Acq: 15 Apr 2019 11:08

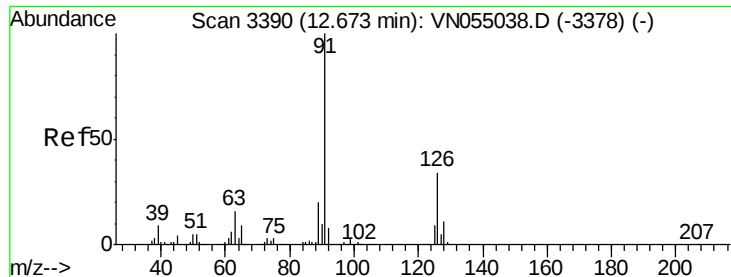
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1123947 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 22.5  | 11.2  | 33.5    |



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.985 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA\_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 685099

Ion Ratio Lower Upper

91 100

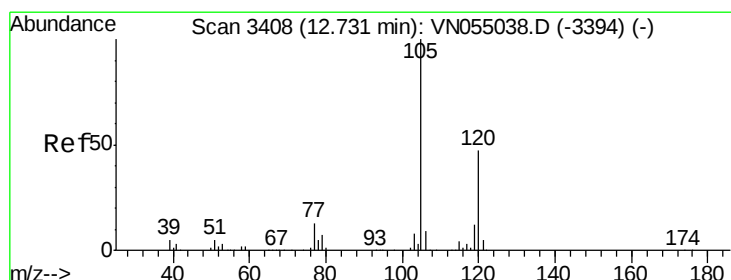
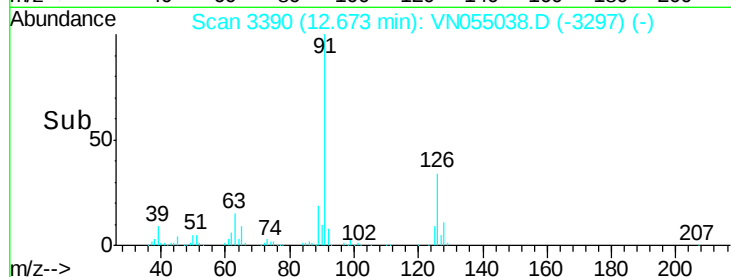
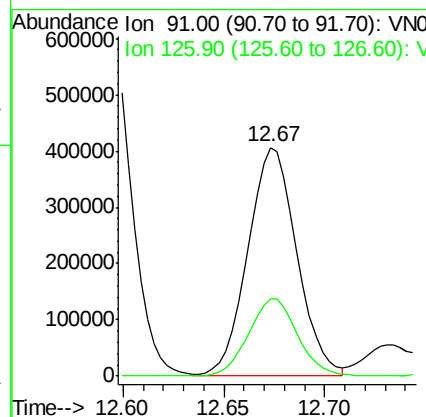
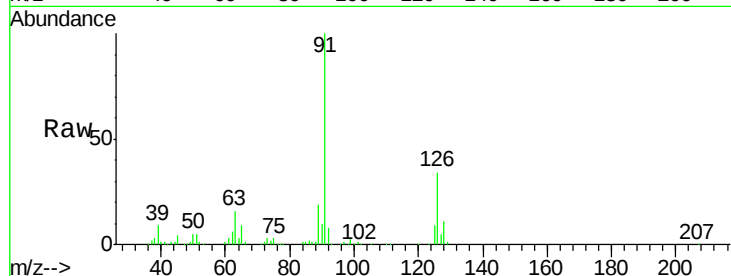
126 34.4 17.1 51.2

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#80

1,3,5-Trimethylbenzene

Concen: 46.976 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055038.D

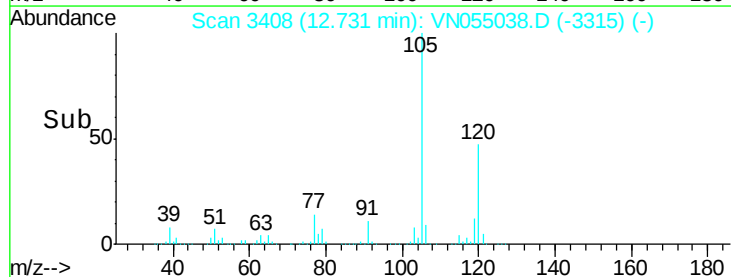
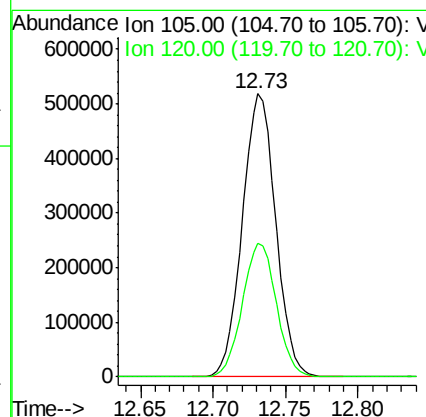
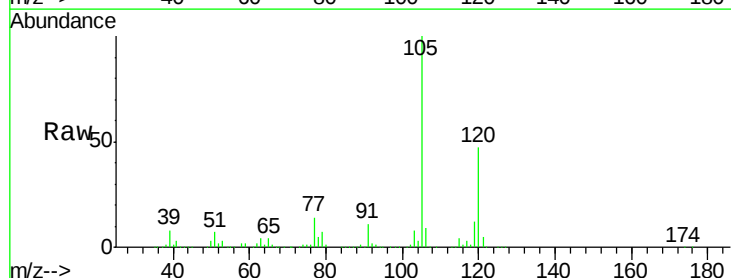
Acq: 15 Apr 2019 11:08

Tgt Ion: 105 Resp: 828493

Ion Ratio Lower Upper

105 100

120 48.0 24.3 72.8





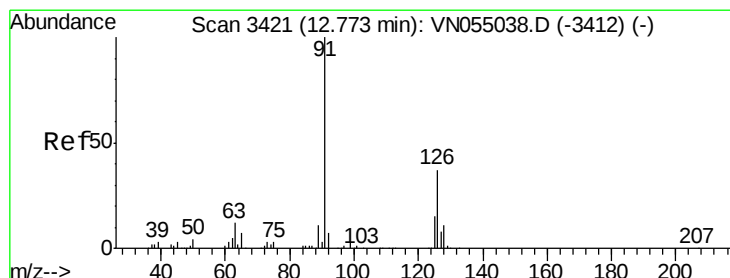
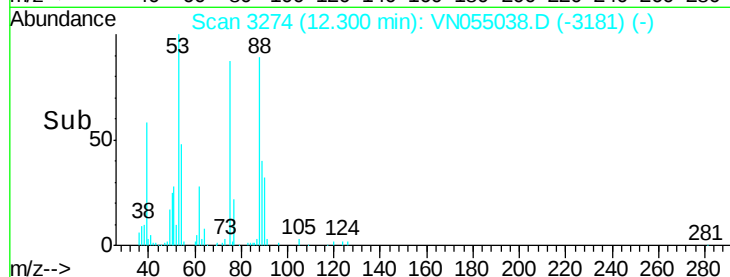
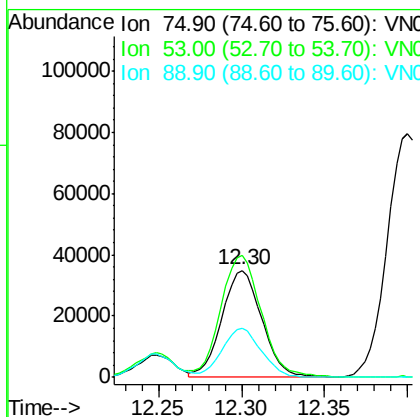
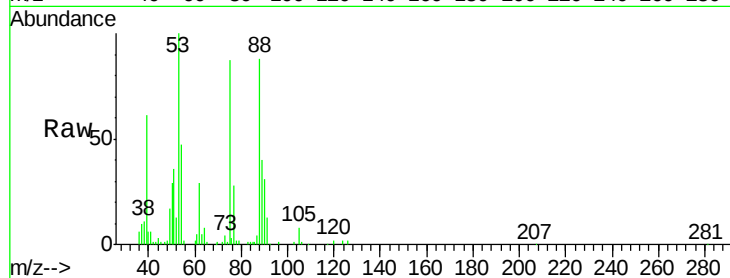
#81  
trans-1,4-Dichloro-2-butene  
Concen: 50.762 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 118.9 | 96.3  | 144.5 |
| 89      | 46.1  | 38.6  | 57.8  |

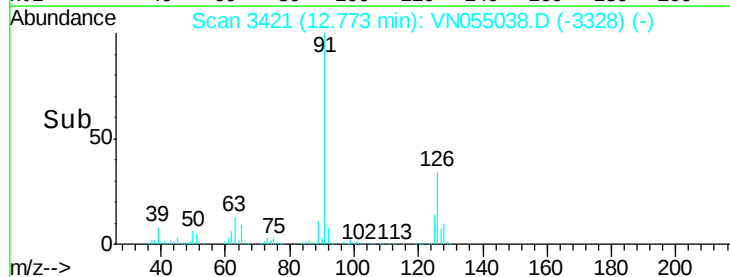
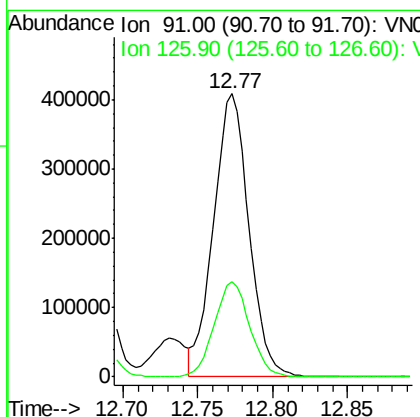
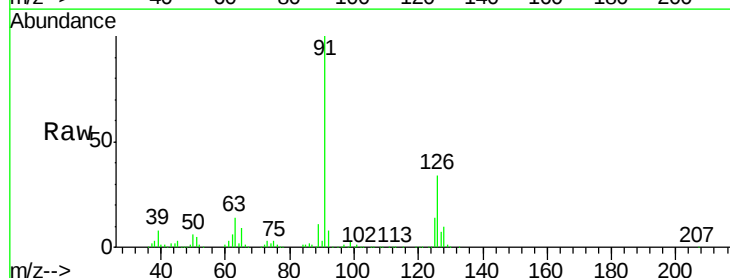
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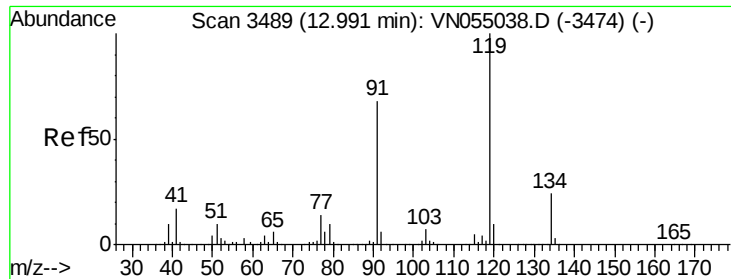
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#82  
4-Chlorotoluene  
Concen: 47.610 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.8  | 16.4  | 49.2  |





#83

tert-Butylbenzene

Concen: 45.559 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA\_N

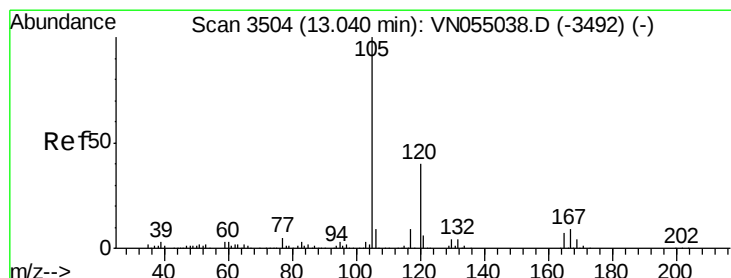
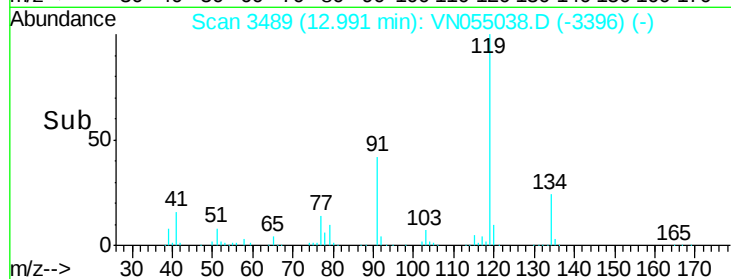
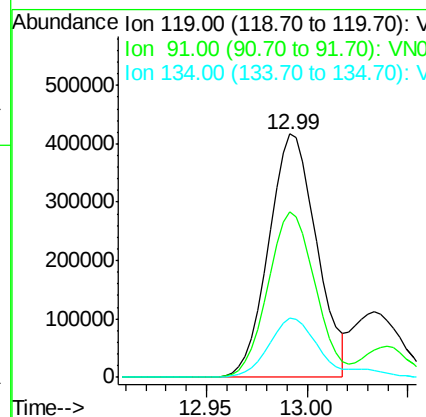
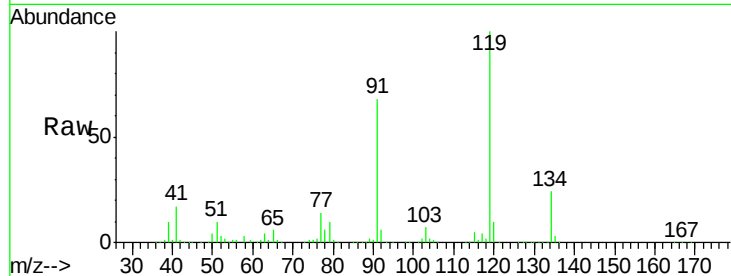
ClientSampleId :

VSTDICCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 688352 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 67.0  | 33.3  | 99.8   |
| 134       | 26.8  | 12.3  | 36.9   |

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#84

1,2,4-Trimethylbenzene

Concen: 48.144 ug/l

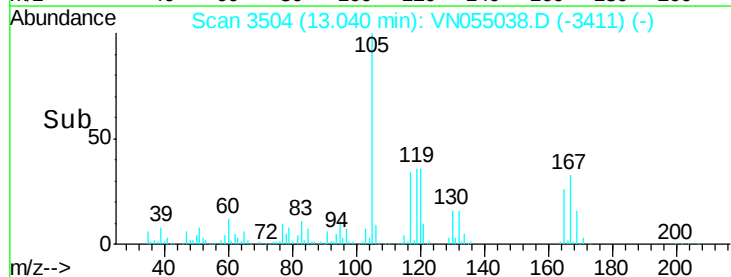
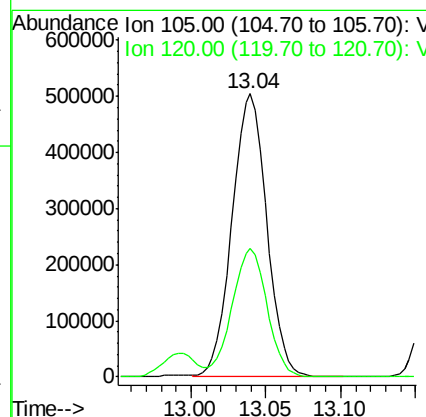
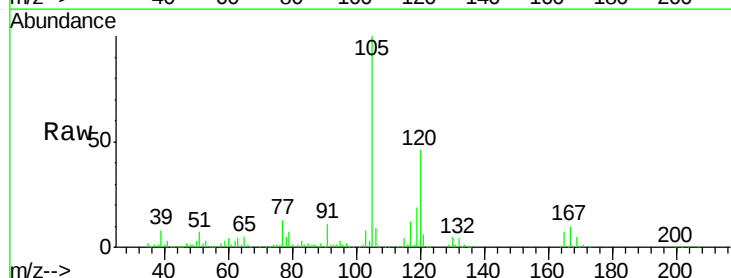
RT: 13.04 min Scan# 3504

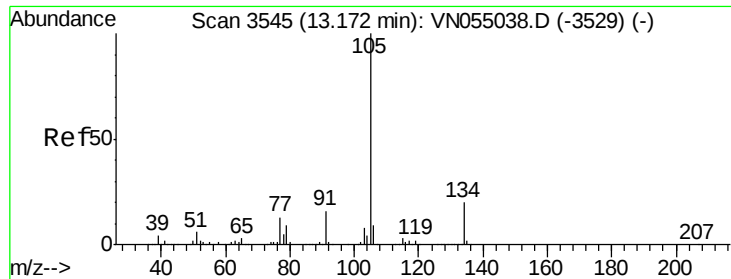
Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 814162 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 45.5  | 22.4  | 67.3   |





#85

sec-Butylbenzene

Concen: 46.414 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 895360

Ion Ratio Lower Upper

105 100

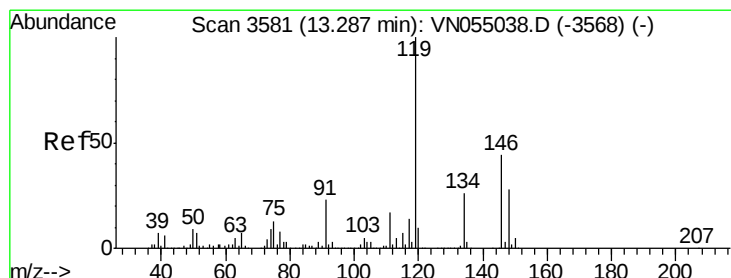
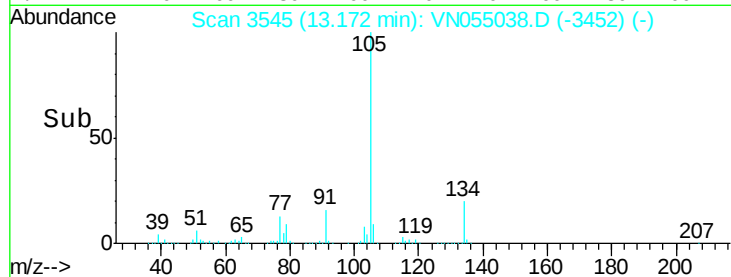
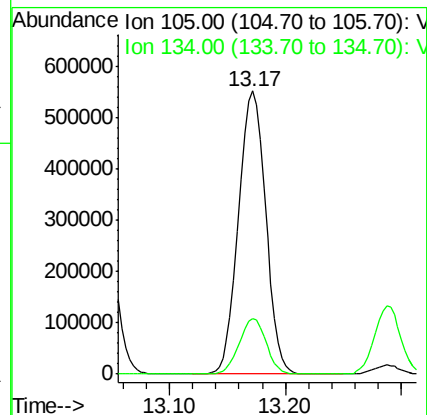
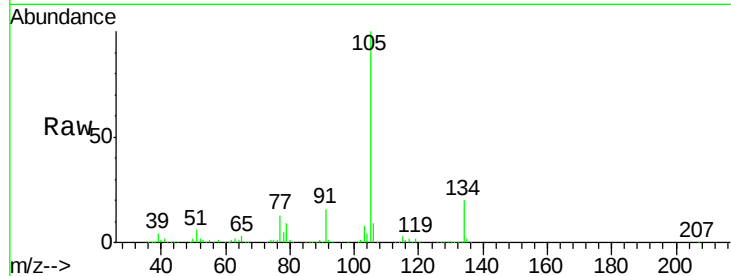
134 19.4 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.104 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

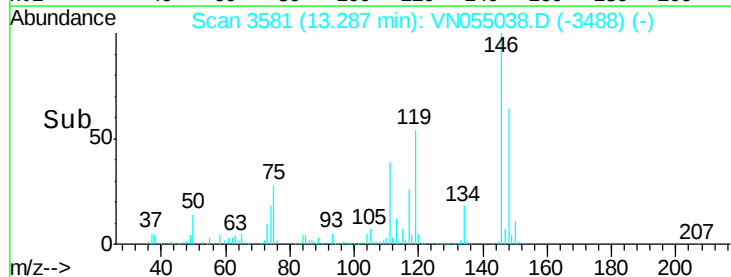
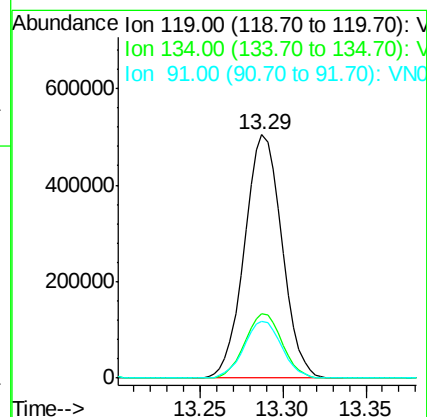
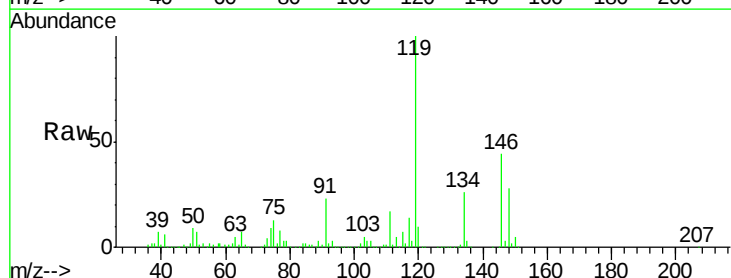
Tgt Ion:119 Resp: 790382

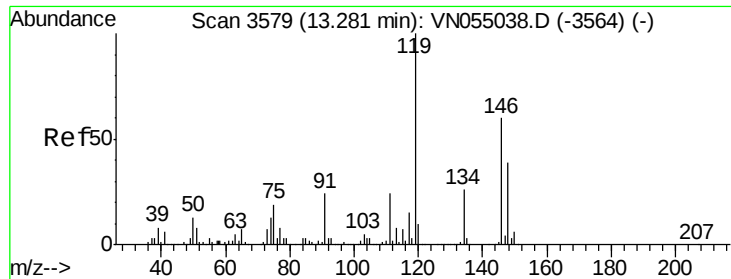
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 23.5 11.7 35.1





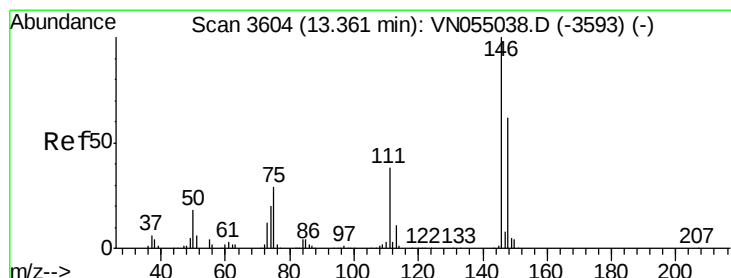
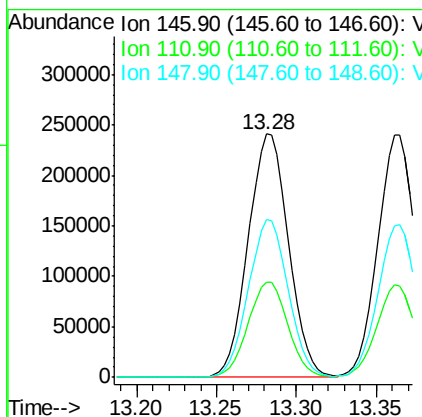
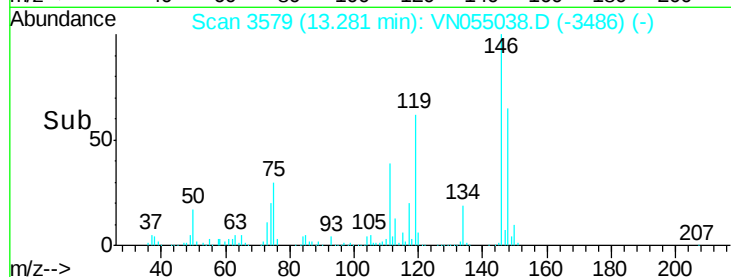
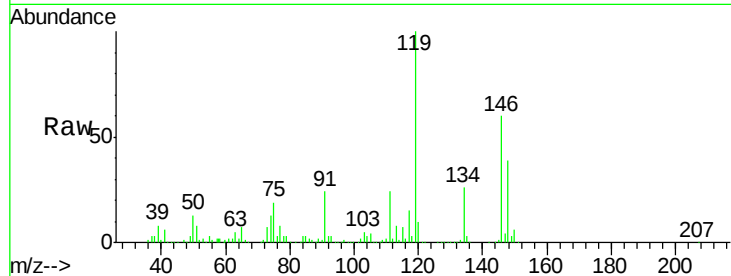
#87  
 1,3-Dichlorobenzene  
 Concen: 48.102 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN055038.D  
 Acq: 15 Apr 2019 11:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.6  | 19.5  | 58.5  |
| 148     | 63.9  | 31.6  | 94.7  |

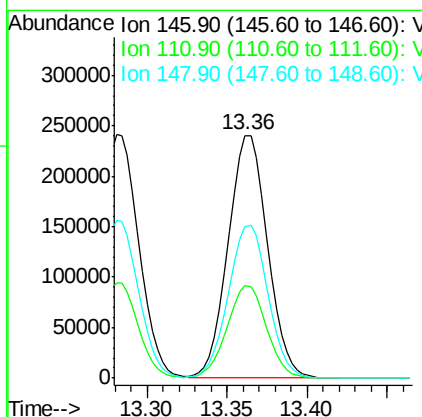
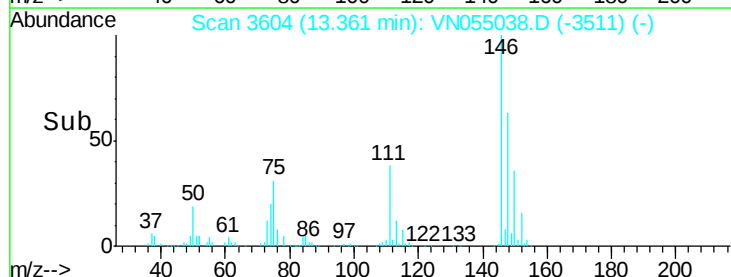
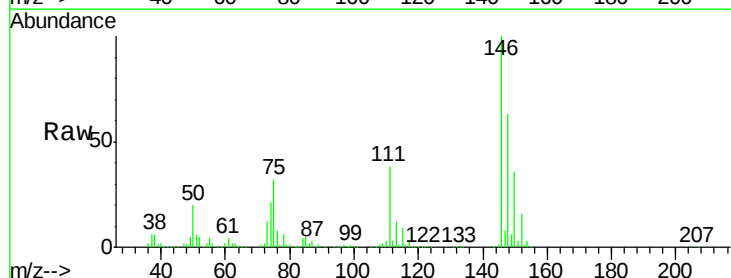
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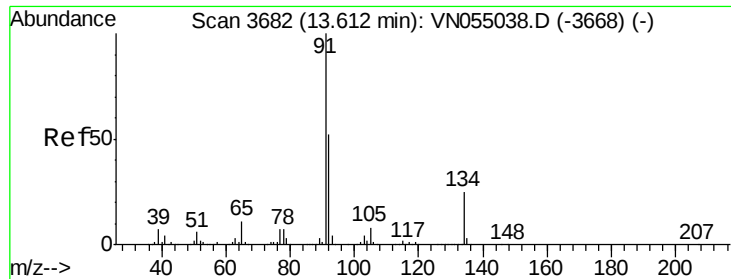
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#88  
 1,4-Dichlorobenzene  
 Concen: 48.602 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. 0.00 min  
 Lab File: VN055038.D  
 Acq: 15 Apr 2019 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.3  | 18.8  | 56.4  |
| 148     | 63.8  | 32.4  | 97.2  |





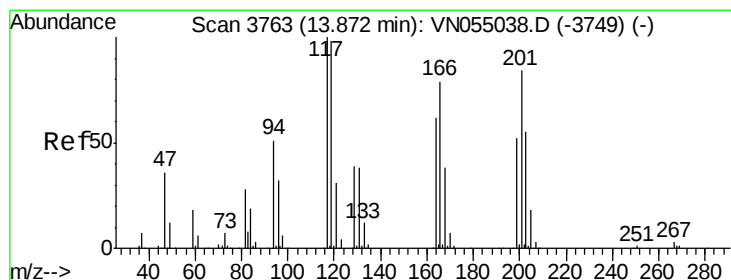
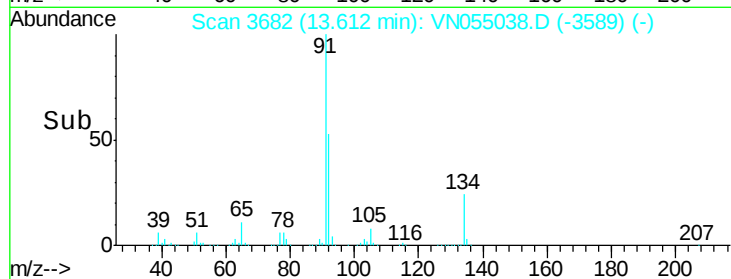
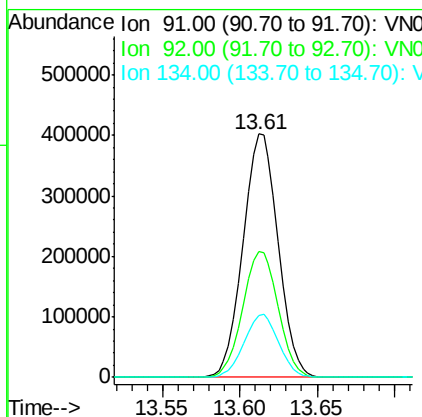
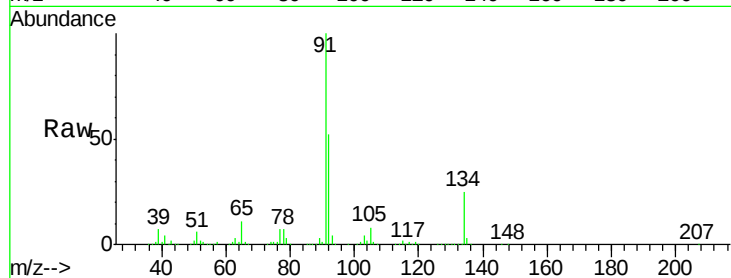
#89  
n-Butylbenzene  
Concen: 48.291 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.2  | 25.9  | 77.7  |
| 134     | 25.4  | 12.8  | 38.3  |

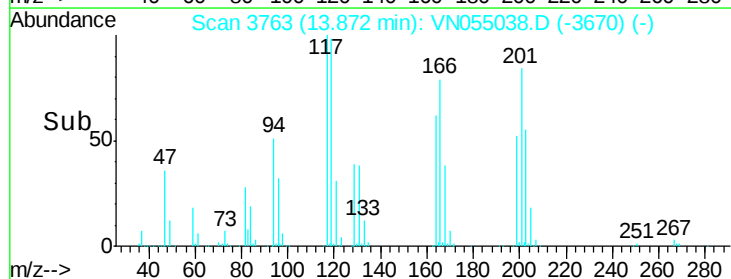
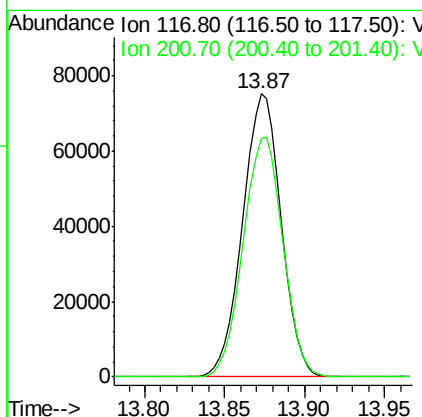
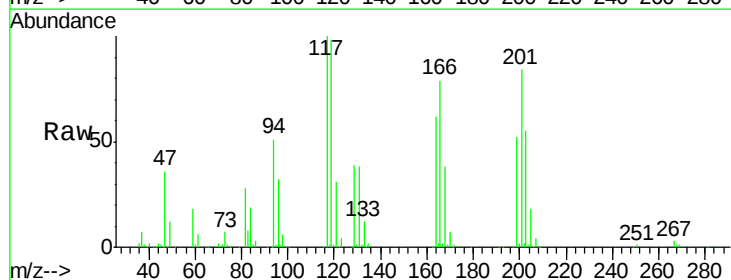
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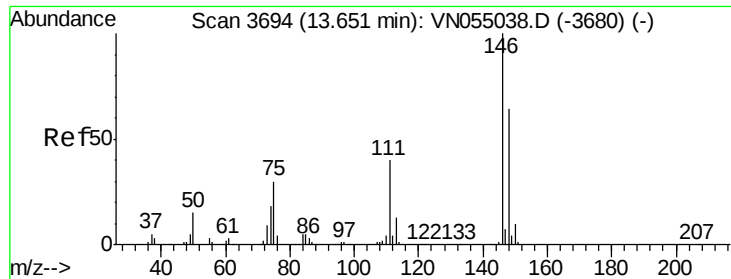
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#90  
Hexachloroethane  
Concen: 44.480 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN055038.D  
Acq: 15 Apr 2019 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 87.6  | 43.4  | 130.2 |





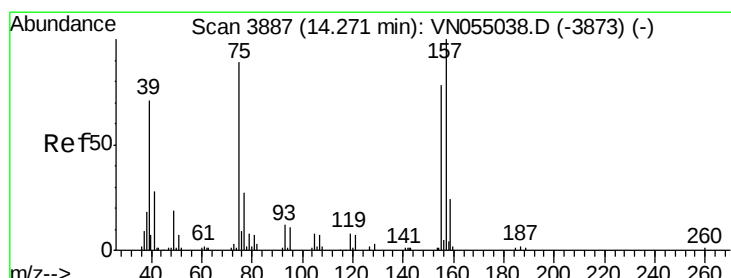
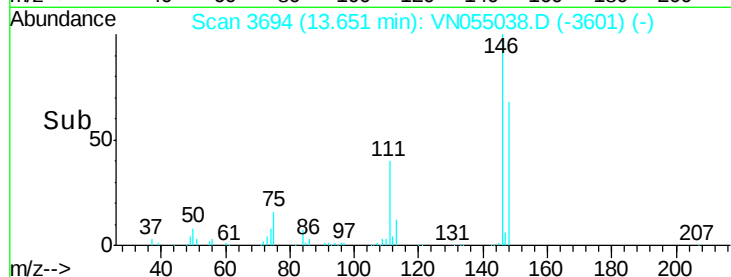
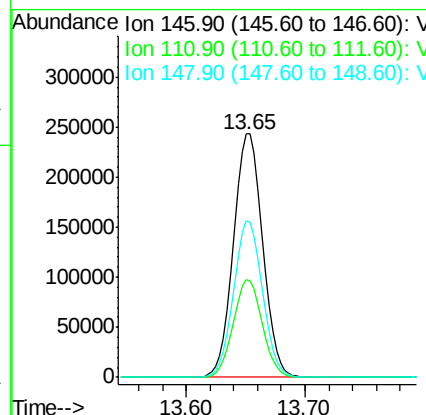
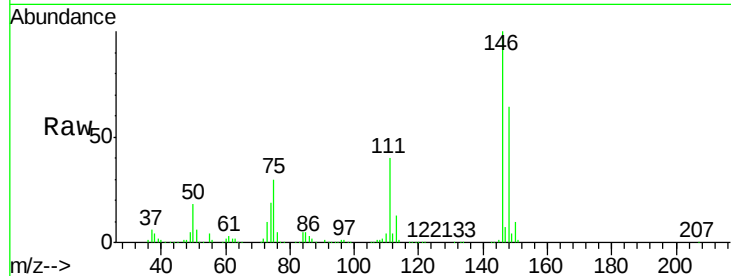
#91  
 1,2-Dichlorobenzene  
 Concen: 49.297 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN055038.D  
 Acq: 15 Apr 2019 11:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.7  | 20.3  | 60.9  |
| 148     | 63.5  | 32.2  | 96.6  |

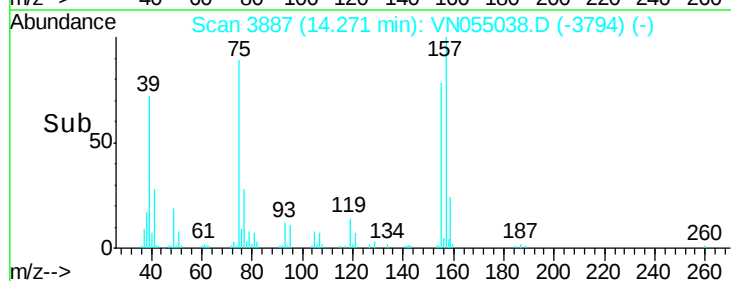
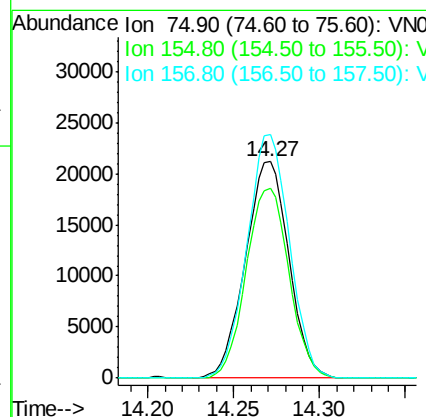
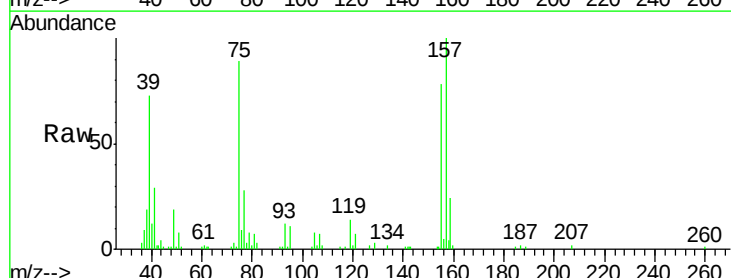
Manual Integrations  
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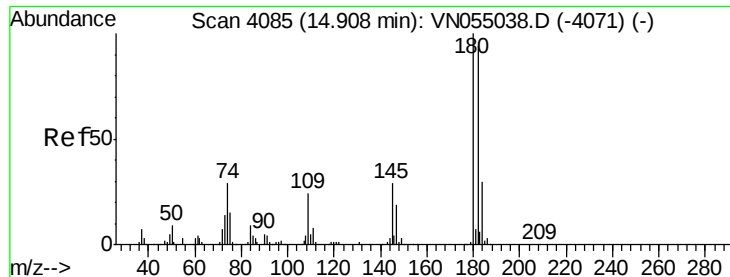
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 51.067 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. 0.00 min  
 Lab File: VN055038.D  
 Acq: 15 Apr 2019 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 86.1  | 42.0  | 126.0 |
| 157     | 109.2 | 52.1  | 156.4 |





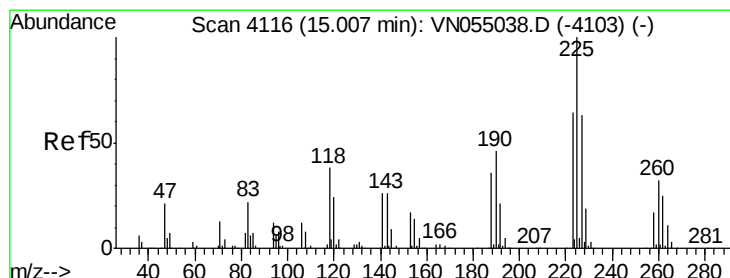
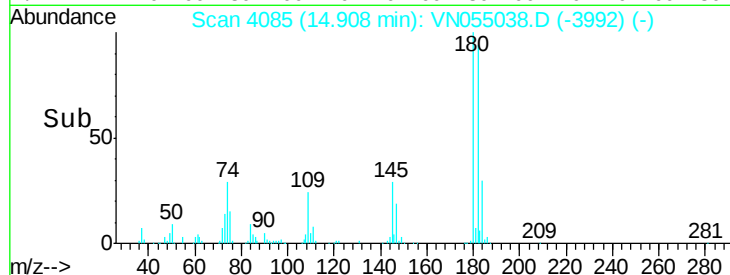
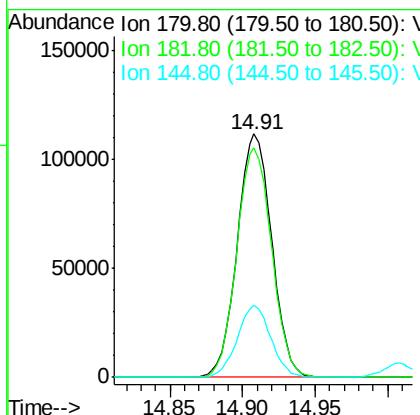
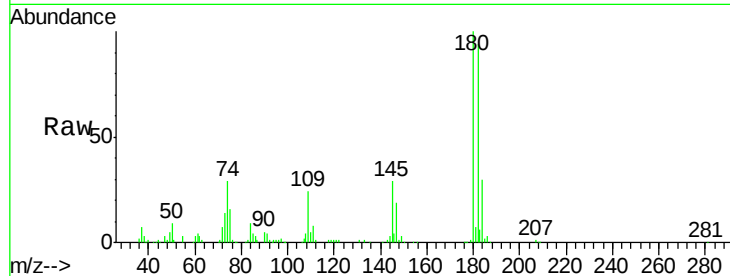
#93  
 1,2,4-Trichlorobenzene  
 Concen: 52.133 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN055038.D  
 Acq: 15 Apr 2019 11:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 184448 |       |       |
| 182     | 95.3  | 47.5   | 142.6 |       |
| 145     | 28.7  | 14.2   | 42.8  |       |

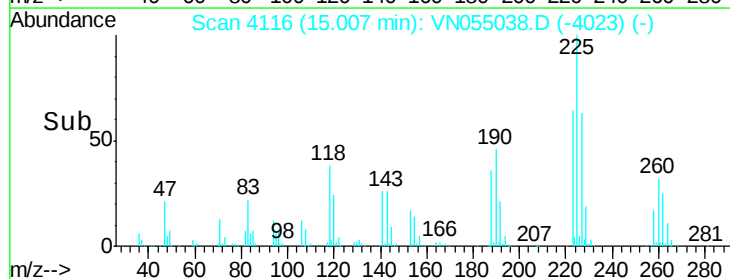
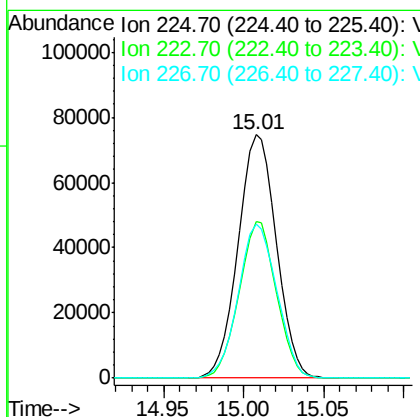
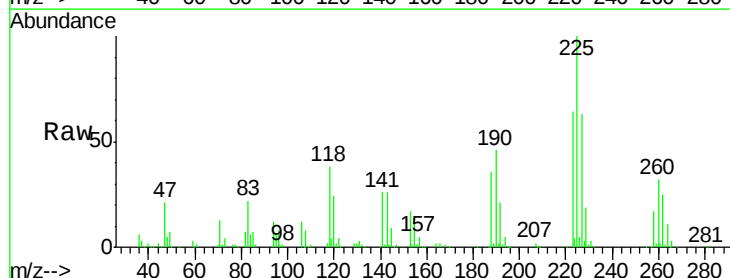
Manual Integrations  
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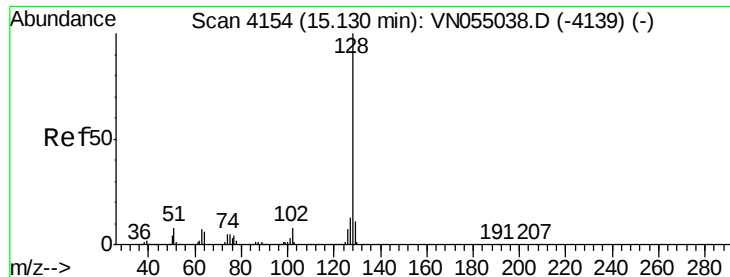
MMDadoda  
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#94  
 Hexachlorobutadiene  
 Concen: 41.631 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN055038.D  
 Acq: 15 Apr 2019 11:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 121905 |       |       |
| 223     | 62.4  | 31.4   | 94.0  |       |
| 227     | 63.5  | 32.6   | 97.7  |       |





#95

Naphthalene

Concen: 50.815 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

Instrument :

MSVOA\_N

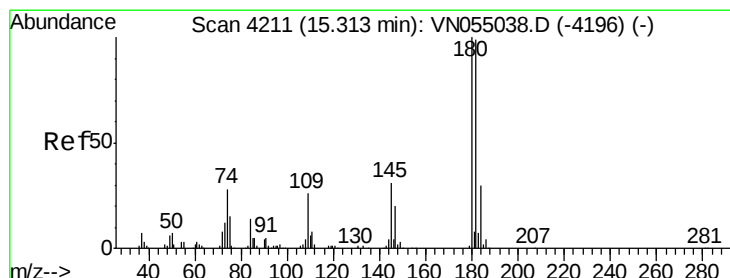
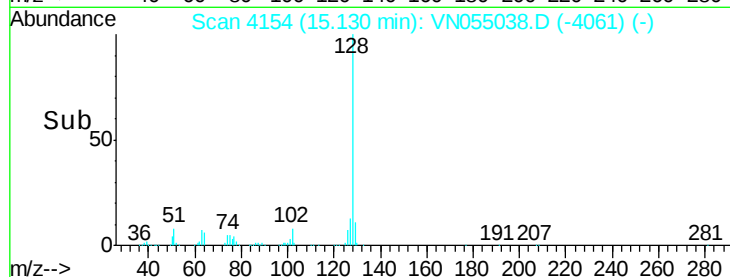
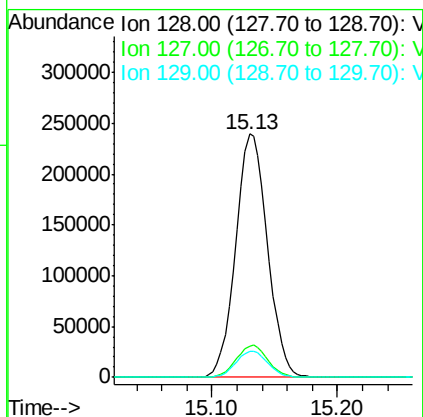
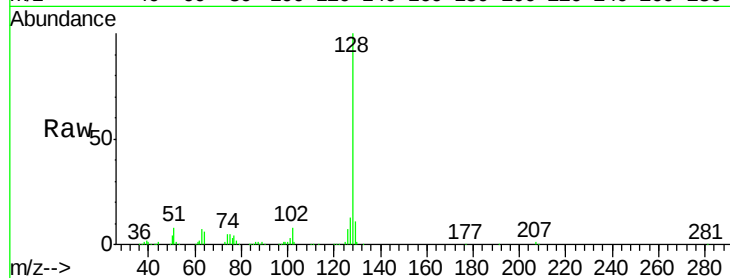
ClientSampleId :

VSTDICCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 420787 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.1  | 10.1  | 15.1   |
| 129       | 10.8  | 8.8   | 13.2   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 48.484 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055038.D

Acq: 15 Apr 2019 11:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 183755 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 97.1  | 48.0  | 144.0  |
| 145       | 31.1  | 15.3  | 45.9   |

