

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\  
 Data File : VN055188.D  
 Acq On : 22 Apr 2019 18:09  
 Operator : JC/SP  
 Sample : VN0422WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0422WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 4/23/2019 1:47:33 PM

Quant Time: Apr 23 06:33:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042219W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 23 05:52:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 412149   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 676450   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 575831   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 221741   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 283721   | 50.86 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.72% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 222167   | 48.34 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.68%  |      |
| 50) Toluene-d8            | 10.09  | 98  | 817228   | 48.00 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.00%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 257442   | 47.75 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.50%  |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 114968  | 21.665  | ug/l | 98     |
| 3) Chloromethane              | 2.06 | 50  | 135999  | 20.915  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.19 | 62  | 108509  | 20.825  | ug/l | 95     |
| 5) Bromomethane               | 2.56 | 94  | 57822   | 19.136  | ug/l | 100    |
| 6) Chloroethane               | 2.70 | 64  | 56626   | 20.620  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 148207  | 20.902  | ug/l | 100    |
| 8) Diethyl Ether              | 3.41 | 74  | 53195   | 21.019  | ug/l | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 87640   | 19.808  | ug/l | 99     |
| 10) Methyl Iodide             | 3.95 | 142 | 128490  | 20.709  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.79 | 59  | 35691   | 109.588 | ug/l | 96     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 86780   | 20.466  | ug/l | 98     |
| 13) Acrolein                  | 3.61 | 56  | 48910   | 105.880 | ug/l | 97     |
| 14) Allyl chloride            | 4.33 | 41  | 170675  | 20.361  | ug/l | 99     |
| 15) Acrylonitrile             | 4.99 | 53  | 197030  | 110.311 | ug/l | 99     |
| 16) Acetone                   | 3.82 | 43  | 153264  | 83.108  | ug/l | 99     |
| 17) Carbon Disulfide          | 4.05 | 76  | 233752  | 19.718  | ug/l | 100    |
| 18) Methyl Acetate            | 4.33 | 43  | 90851   | 22.302  | ug/l | 97     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 250578  | 21.374  | ug/l | 96     |
| 20) Methylene Chloride        | 4.55 | 84  | 101649  | 19.173  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96  | 92871   | 20.886  | ug/l | 98     |
| 22) Diisopropyl ether         | 5.95 | 45  | 350946  | 21.003  | ug/l | 98     |
| 23) Vinyl Acetate             | 5.90 | 43  | 1241552 | 110.572 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 183891  | 20.461  | ug/l | 100    |
| 25) 2-Butanone                | 6.84 | 43  | 234385  | 98.445  | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 114452  | 18.818  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 104436  | 20.375  | ug/l | 99     |
| 28) Bromochloromethane        | 7.20 | 49  | 94596   | 20.648  | ug/l | 98     |
| 29) Tetrahydrofuran           | 7.22 | 42  | 163925  | 111.981 | ug/l | 97     |
| 30) Chloroform                | 7.37 | 83  | 175958  | 20.582  | ug/l | 99     |
| 31) Cyclohexane               | 7.65 | 56  | 175635  | 20.095  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 139936  | 20.374  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 124283  | 19.795  | ug/l | 97     |
| 37) Ethyl Acetate             | 6.93 | 43  | 106703  | 21.059  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 122148  | 20.776  | ug/l | 98     |

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 Sample : VN0422WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0422WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 4/23/2019 1:47:33 PM

Quant Time: Apr 23 06:33:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042219W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 23 05:52:53 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 143216   | 19.121  | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 391791   | 20.215  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.19  | 41   | 65355m   | 24.602  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 136802   | 20.232  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 185107   | 22.560  | ug/l   | 98       |
| 44) Trichloroethene            | 8.83  | 130  | 97239    | 19.850  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 110548   | 20.207  | ug/l   | 100      |
| 46) Dibromomethane             | 9.21  | 93   | 63183    | 20.174  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 126702   | 20.209  | ug/l   | 95       |
| 48) Methyl methacrylate        | 9.20  | 41   | 83662    | 21.020  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 19029    | 414.005 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 499361   | 105.764 | ug/l   | 100      |
| 52) Toluene                    | 10.16 | 92   | 227089   | 19.987  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 115686   | 20.106  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 145398   | 20.364  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 86852    | 20.734  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 111707   | 21.407  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 151277   | 20.757  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 180310   | 96.910  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 312781   | 104.879 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 86947    | 20.152  | ug/l   | 96       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 82081    | 20.841  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 91460    | 19.470  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.43 | 112  | 231238   | 19.674  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 85473    | 19.621  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 419292   | 20.027  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 305490   | 40.683  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 153380   | 20.582  | ug/l   | 96       |
| 70) Styrene                    | 11.96 | 104  | 243279   | 21.061  | ug/l   | 98       |
| 71) Bromoform                  | 12.13 | 173  | 52135    | 20.056  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 399680   | 21.130  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 122625   | 21.449  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 105286   | 21.979  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 90426m   | 20.101  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 94835    | 19.373  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.59 | 91   | 430256   | 19.348  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 272004   | 19.371  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 325883   | 19.632  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 22154    | 18.669  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 248906   | 19.266  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 279634   | 21.150  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 307162   | 19.609  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 353363   | 18.817  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 300126   | 19.399  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 148487   | 19.760  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 140675   | 19.228  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 211093   | 18.407  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 48397    | 17.638  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 148277   | 19.211  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 14097    | 20.936  | ug/l   | 96       |

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Sample : VN0422WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0422WBSD01

Manual Integrations  
APPROVED

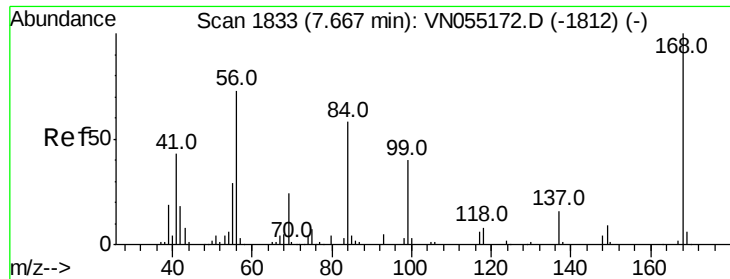
MMDadoda  
4/23/2019 1:47:33 PM

Quant Time: Apr 23 06:33:06 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042219W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 23 05:52:53 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 49799    | 17.173 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 49792    | 20.807 | ug/l  | 96       |
| 95) Naphthalene            | 15.13 | 128  | 109695   | 17.736 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 54808    | 18.328 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VN0422WBSD01

Tot Ion:168 Resp: 412149

Ion Ratio Lower Upper

168 100

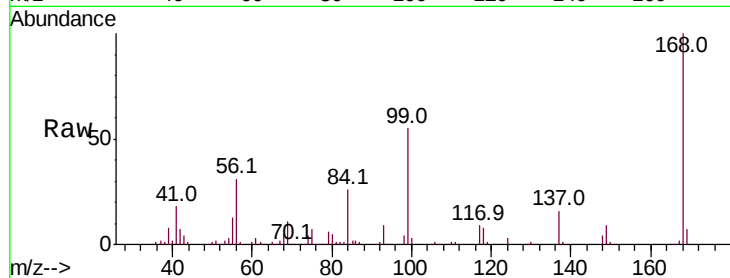
99 54.2 42.0 63.0

Manual Integrations

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4/23/2019 1:47:33 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.67

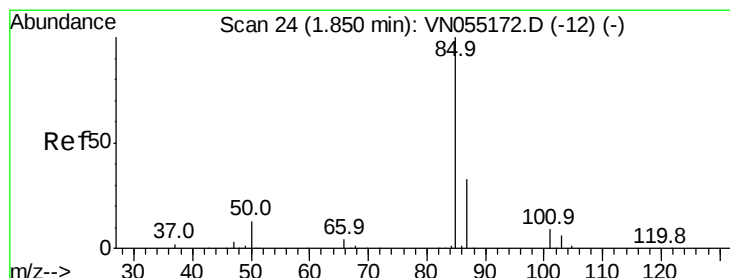
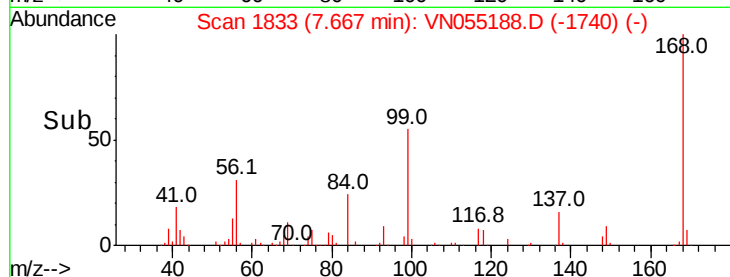
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.665 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055188.D

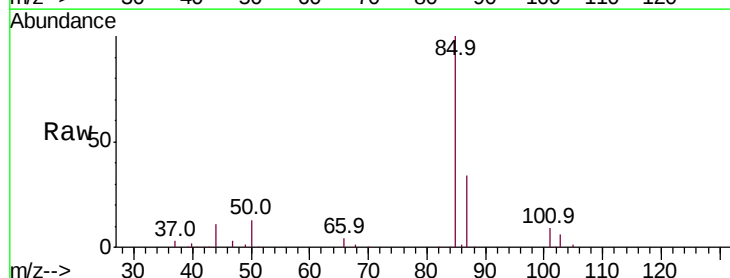
Acq: 22 Apr 2019 18:09

Tgt Ion: 85 Resp: 114968

Ion Ratio Lower Upper

85 100

87 33.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.85

80000

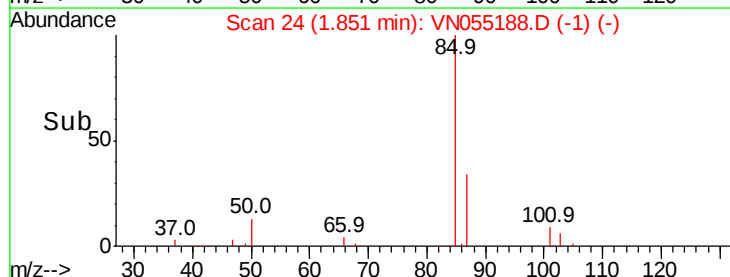
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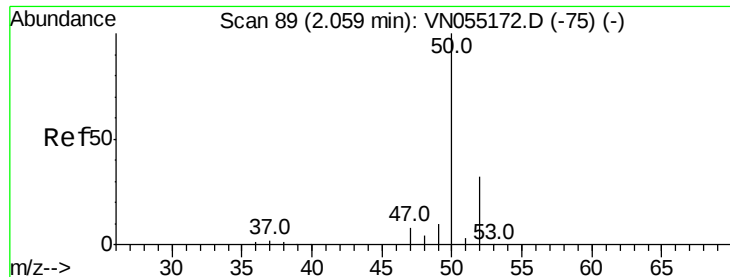
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20000

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Time-->





#3

Chloromethane

Concen: 20.915 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VN0422WBSD01

Tot Ion: 50 Resp: 135999

Ion Ratio Lower Upper

50 100

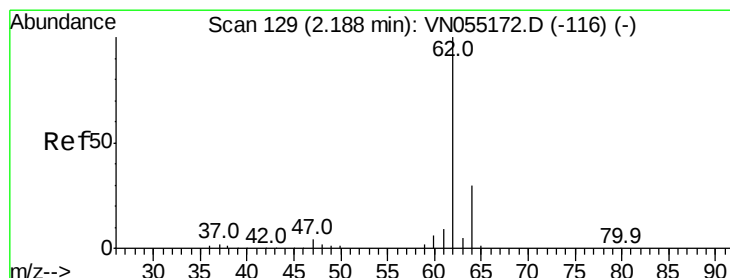
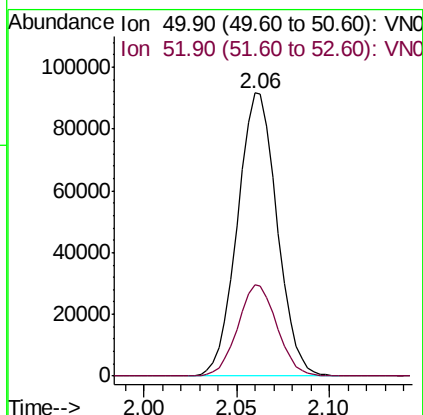
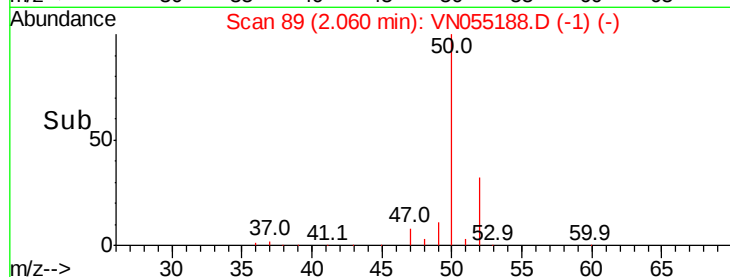
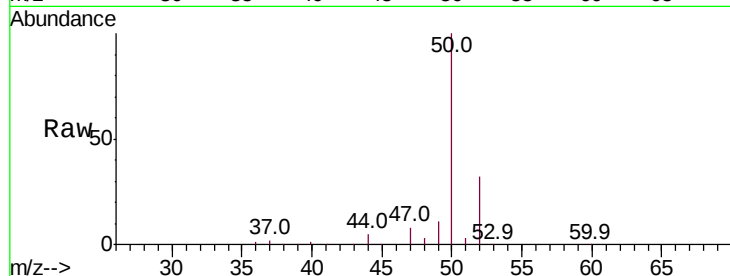
52 32.3 25.8 38.6

Manual Integrations

APPROVED

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4/23/2019 1:47:33 PM



#4

Vinyl Chloride

Concen: 20.825 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055188.D

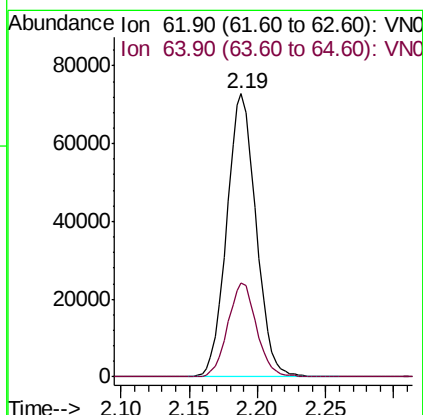
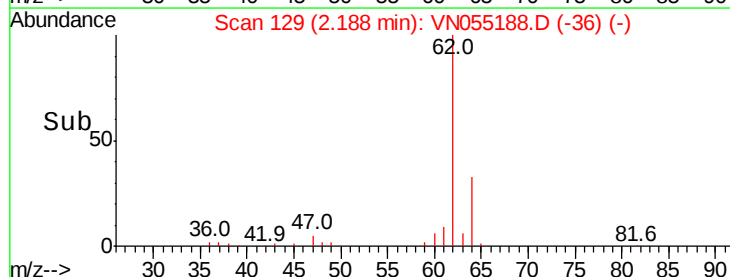
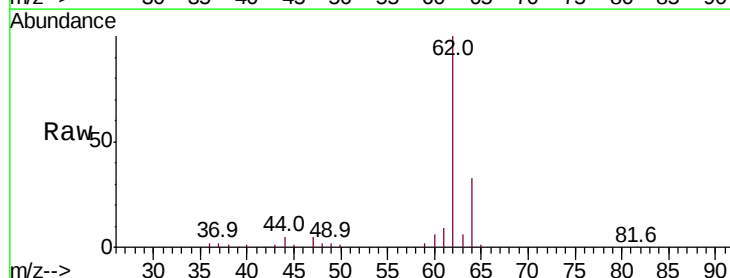
Acq: 22 Apr 2019 18:09

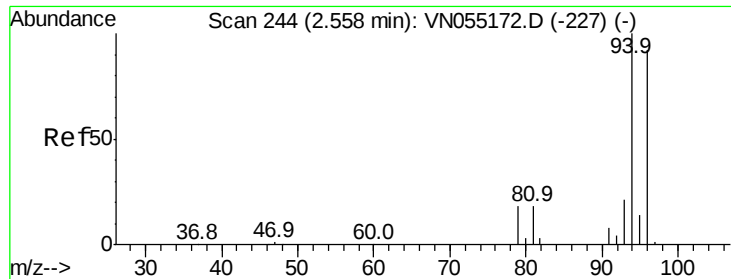
Tgt Ion: 62 Resp: 108509

Ion Ratio Lower Upper

62 100

64 33.2 24.2 36.4





#5

Bromomethane

Concen: 19.136 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VN0422WBSD01

Tot Ion: 94 Resp: 57822

Ion Ratio Lower Upper

94 100

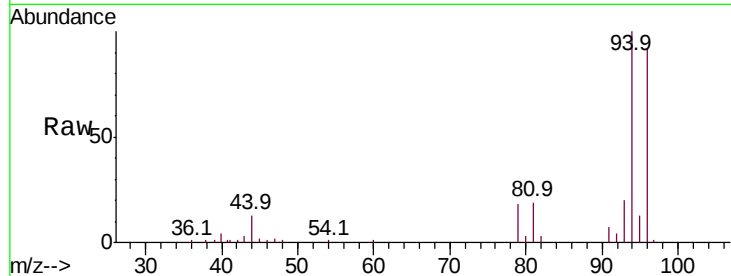
96 92.2 73.4 110.2

Manual Integrations

APPROVED

MMDadoda

4/23/2019 1:47:33 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

30000

25000

20000

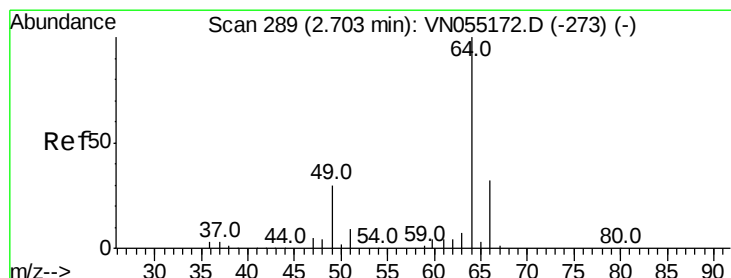
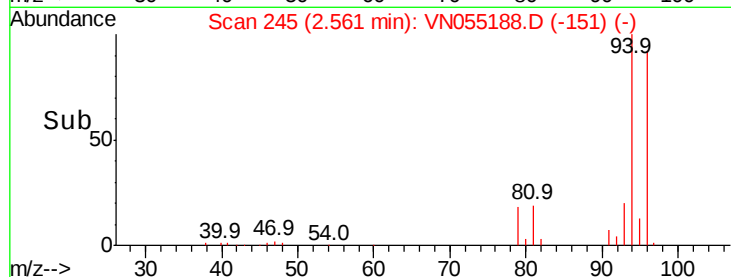
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.620 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055188.D

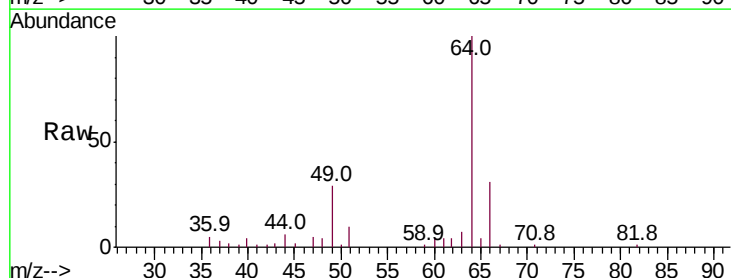
Acq: 22 Apr 2019 18:09

Tgt Ion: 64 Resp: 56626

Ion Ratio Lower Upper

64 100

66 30.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

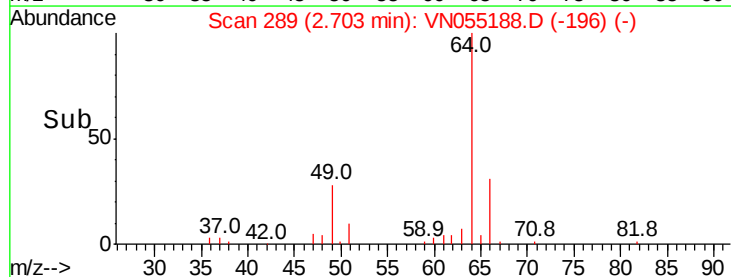
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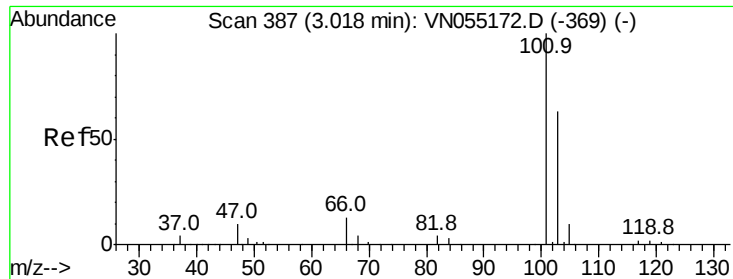
20000

10000

0

Time-->





#7

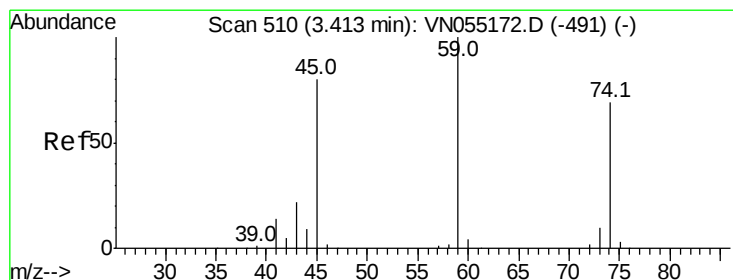
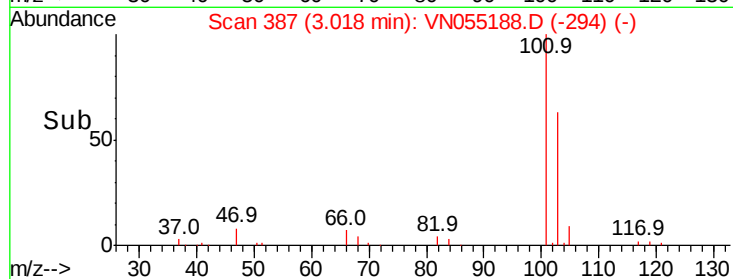
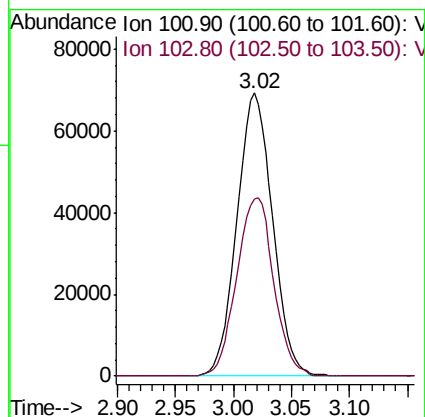
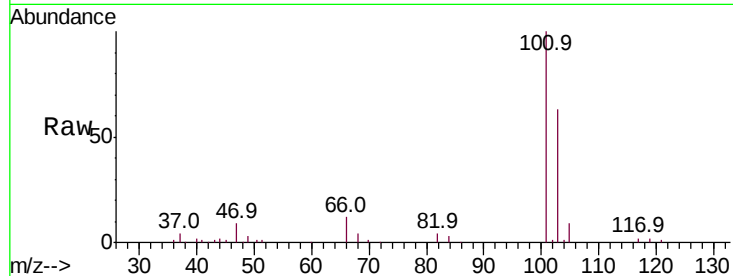
Trichlorofluoromethane  
 Concen: 20.902 ug/l  
 RT: 3.02 min Scan# 387  
 Delta R.T. 0.00 min  
 Lab File: VN055188.D  
 Acq: 22 Apr 2019 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0422WBSD01

Tot Ion:101 Resp: 148207  
 Ion Ratio Lower Upper  
 101 100  
 103 62.7 50.1 75.1

Manual Integrations  
 APPROVED

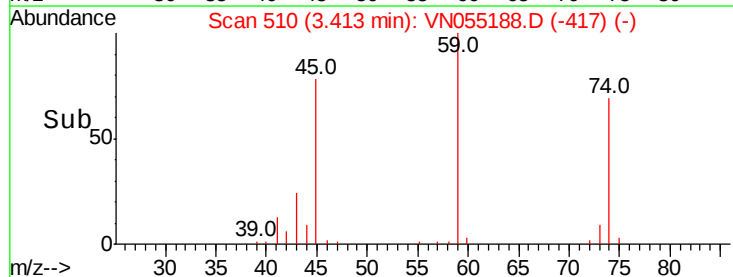
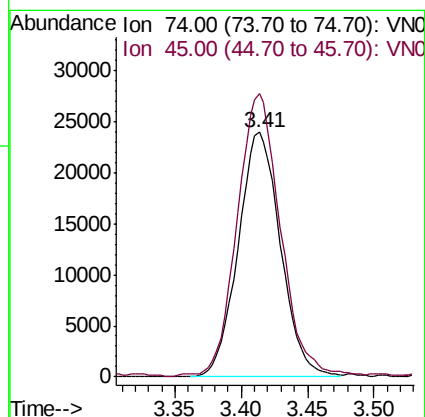
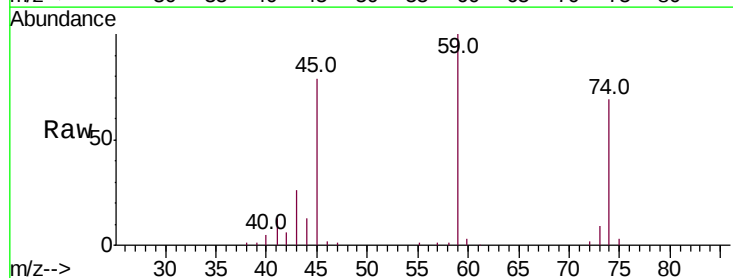
MMDadoda  
 4/23/2019 1:47:33 PM

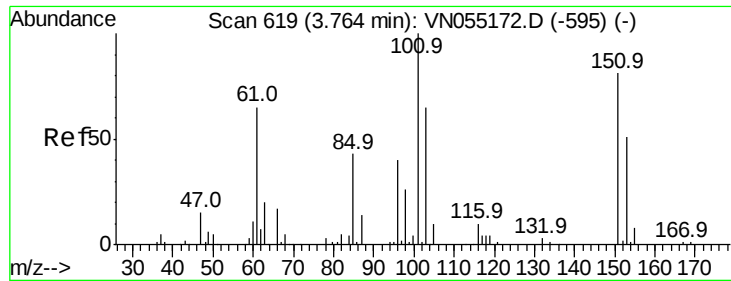


#8

Diethyl Ether  
 Concen: 21.019 ug/l  
 RT: 3.41 min Scan# 510  
 Delta R.T. 0.00 min  
 Lab File: VN055188.D  
 Acq: 22 Apr 2019 18:09

Tgt Ion: 74 Resp: 53195  
 Ion Ratio Lower Upper  
 74 100  
 45 119.4 56.9 170.6





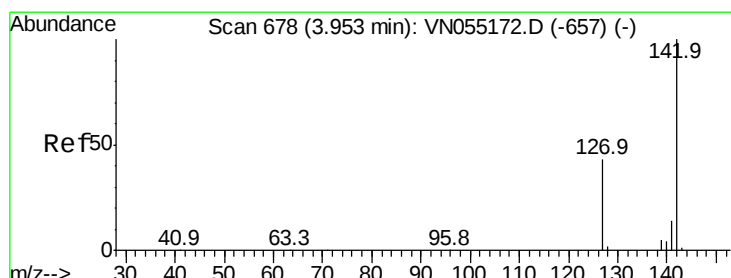
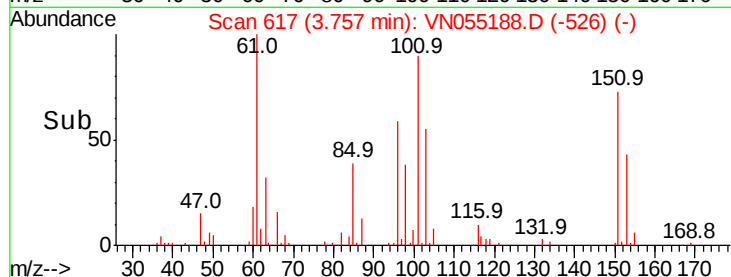
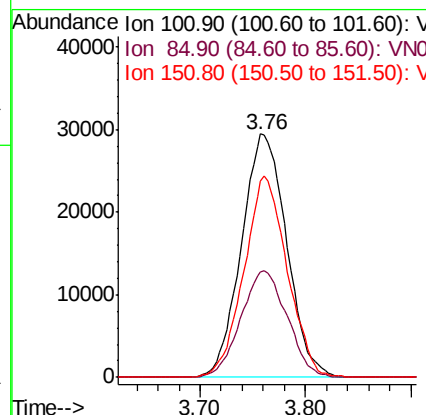
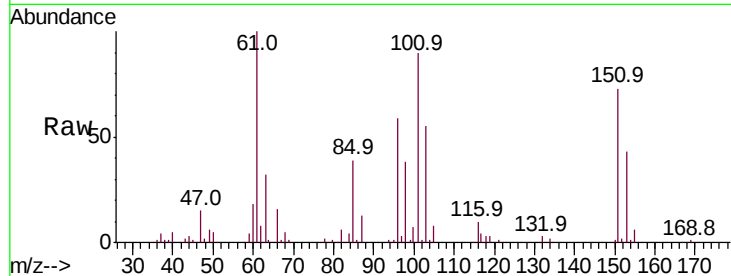
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 19.808 ug/l  
 RT: 3.76 min Scan# 617  
 Delta R.T. -0.01 min  
 Lab File: VN055188.D  
 Acq: 22 Apr 2019 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0422WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 85      | 44.8  | 34.9  | 52.3  |
| 151     | 79.2  | 63.8  | 95.8  |

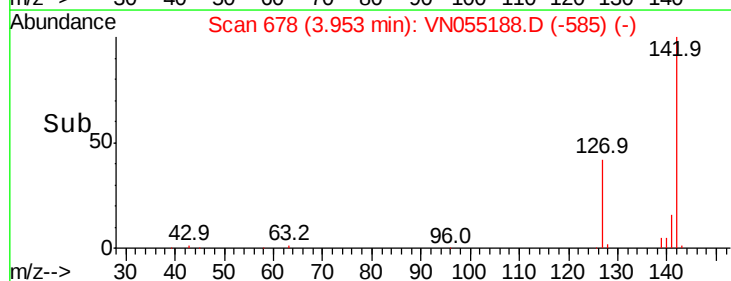
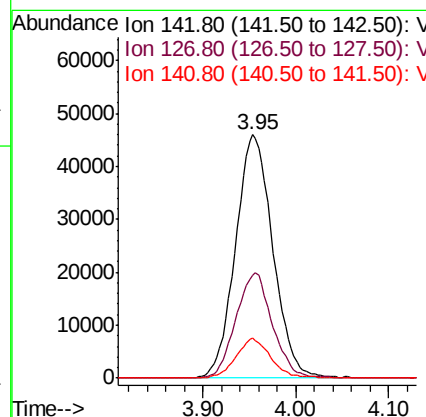
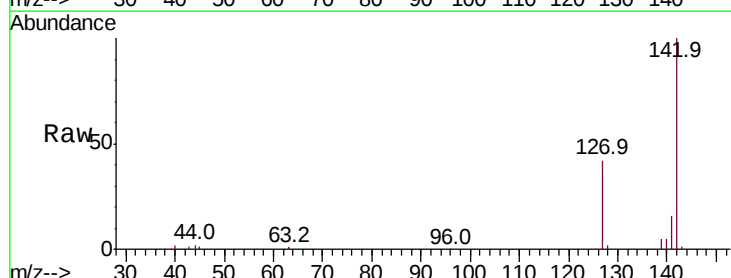
Manual Integrations  
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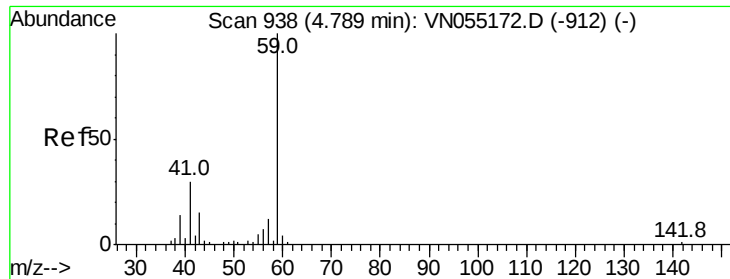
MMDadoda  
 4/23/2019 1:47:33 PM



#10  
 Methyl Iodide  
 Concen: 20.709 ug/l  
 RT: 3.95 min Scan# 678  
 Delta R.T. 0.00 min  
 Lab File: VN055188.D  
 Acq: 22 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 42.2  | 34.1  | 51.1  |
| 141     | 14.9  | 11.4  | 17.2  |





#11

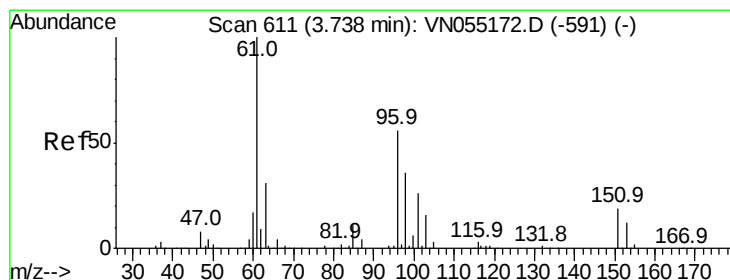
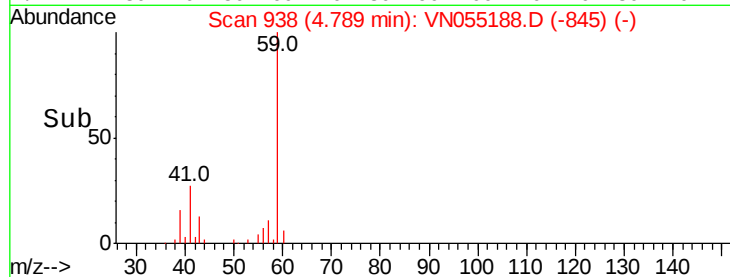
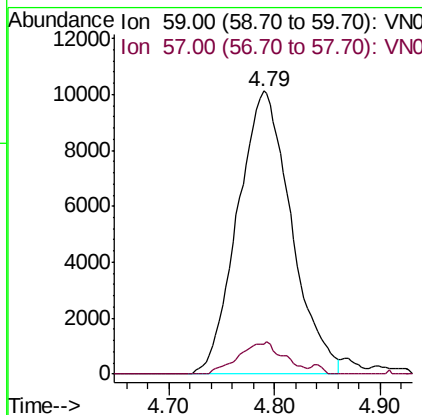
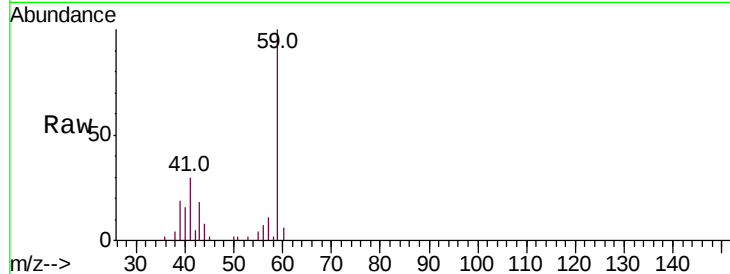
Tert butyl alcohol  
Concen: 109.588 ug/l  
RT: 4.79 min Scan# 938  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0422WBSD01

| Tot Ion   | 59  | Resp  | 35691 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 57        | 9.6 | 8.8   | 13.2  |

Manual Integrations  
APPROVED

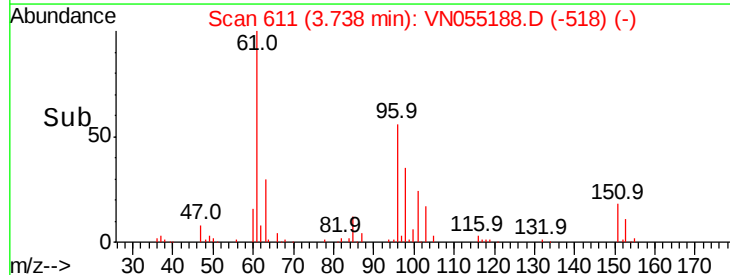
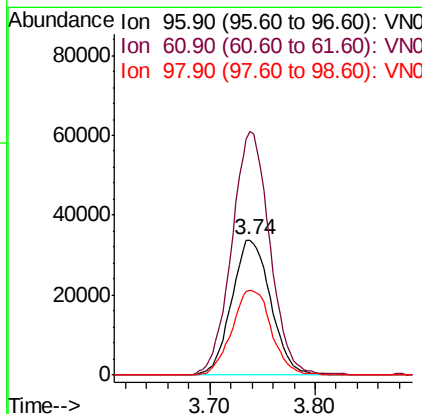
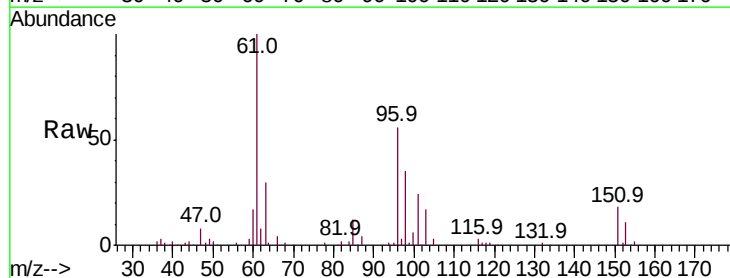
MMDadoda  
4/23/2019 1:47:33 PM

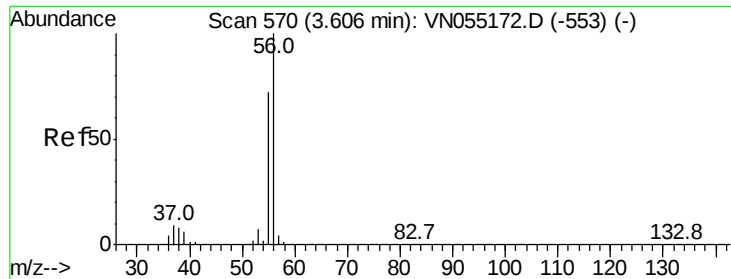


#12

1,1-Dichloroethene  
Concen: 20.466 ug/l  
RT: 3.74 min Scan# 611  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

| Tgt Ion   | 96    | Resp  | 86780 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 179.6 | 142.1 | 213.1 |
| 98        | 62.3  | 51.2  | 76.8  |





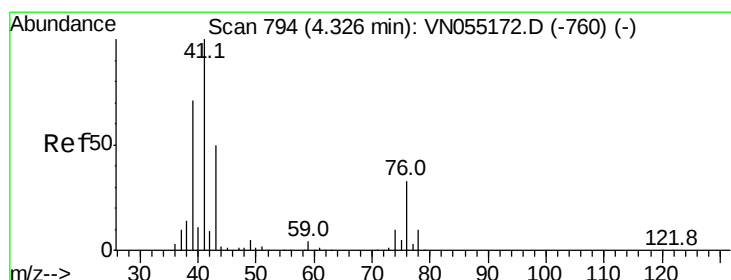
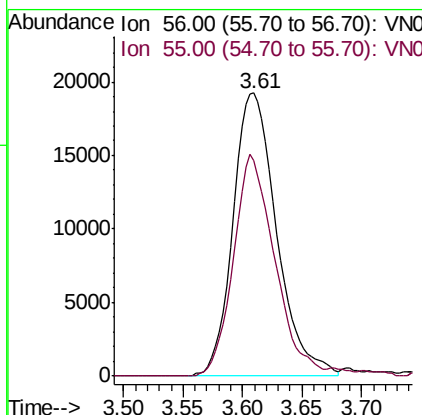
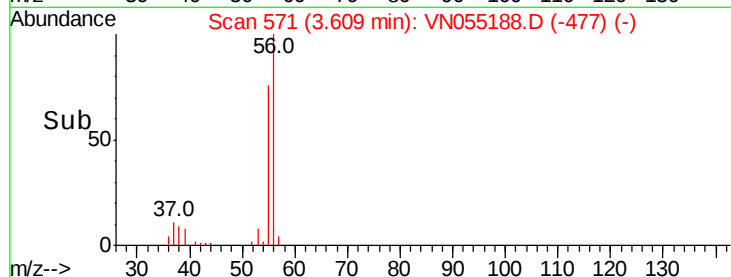
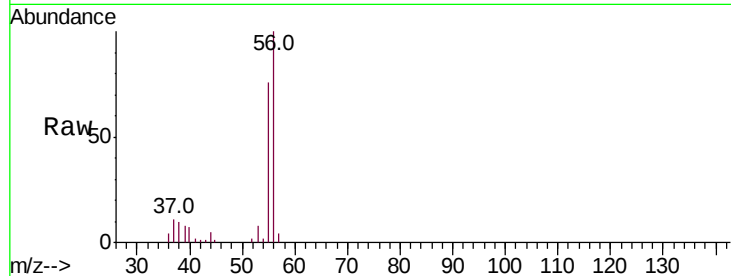
#13  
Acrolein  
Concen: 105.880 ug/l  
RT: 3.61 min Scan# 571  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0422WBSD01

Tot Ion: 56 Resp: 48910  
Ion Ratio Lower Upper  
56 100  
55 73.9 57.4 86.0

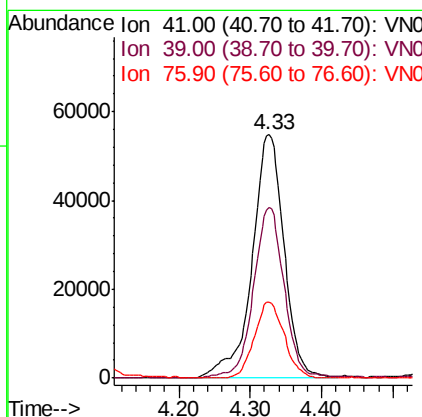
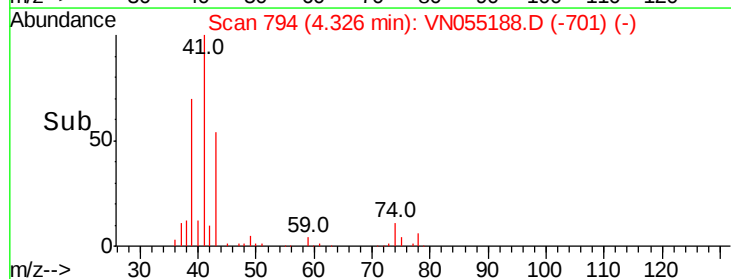
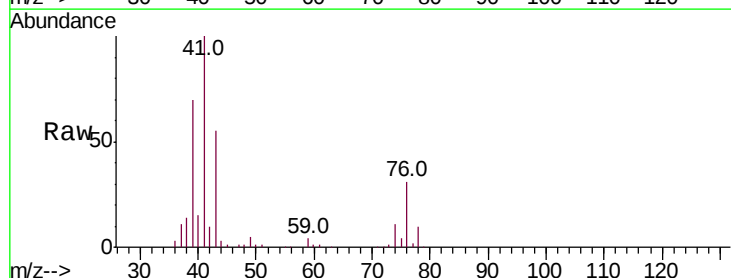
Manual Integrations  
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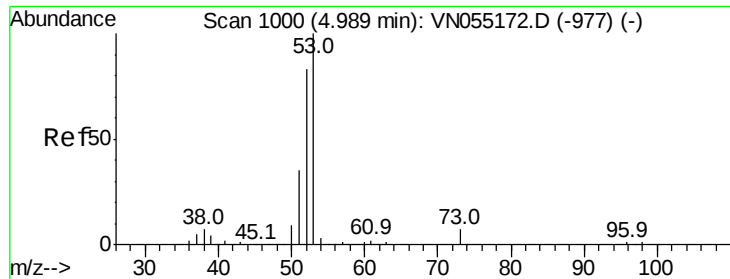
MMDadoda  
4/23/2019 1:47:33 PM



#14  
Allyl chloride  
Concen: 20.361 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

Tgt Ion: 41 Resp: 170675  
Ion Ratio Lower Upper  
41 100  
39 67.2 52.9 79.3  
76 29.0 23.6 35.4





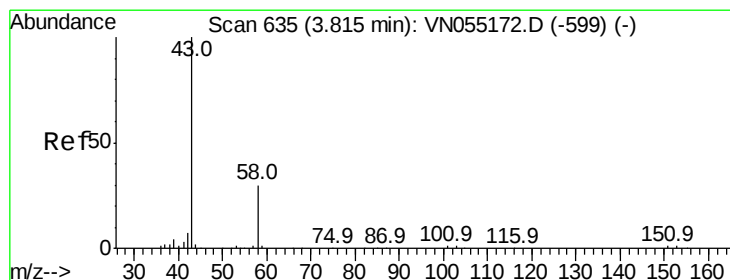
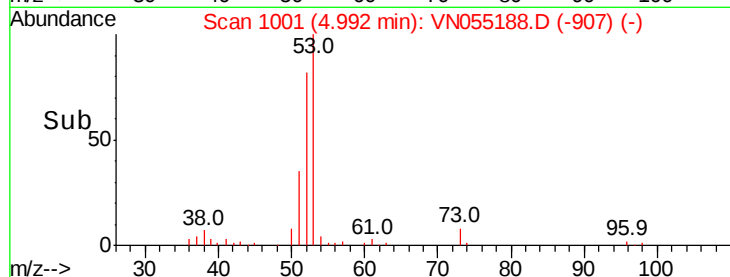
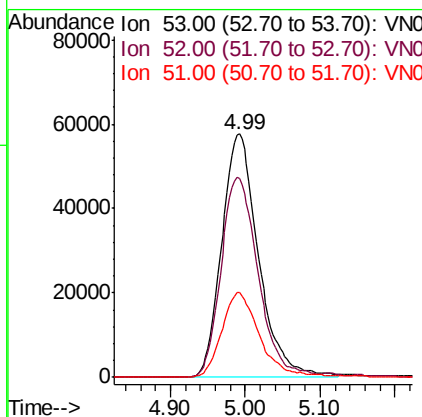
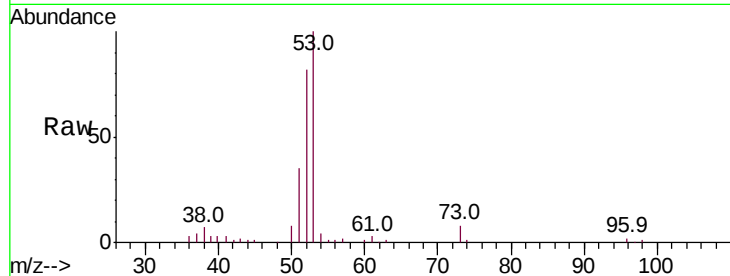
#15  
 Acrylonitrile  
 Concen: 110.311 ug/l  
 RT: 4.99 min Scan# 1001  
 Delta R.T. 0.00 min  
 Lab File: VN055188.D  
 Acq: 22 Apr 2019 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0422WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 82.7  | 65.8  | 98.8  |
| 51      | 35.3  | 28.9  | 43.3  |

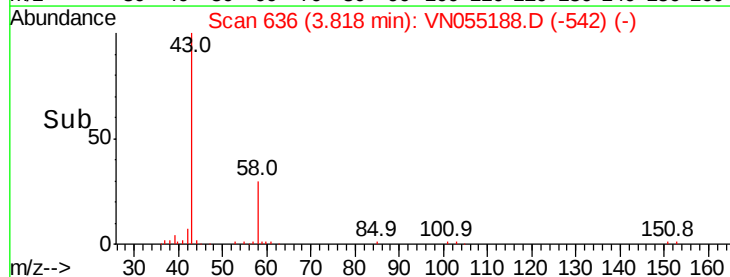
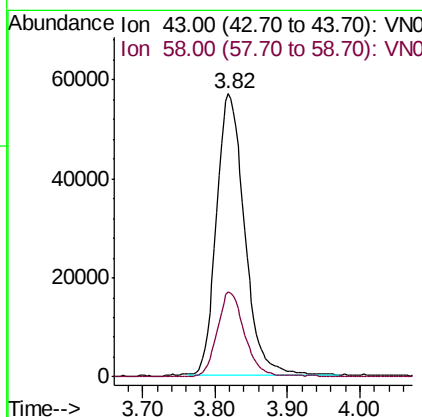
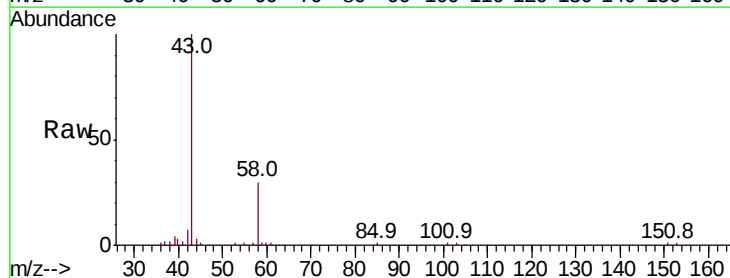
Manual Integrations  
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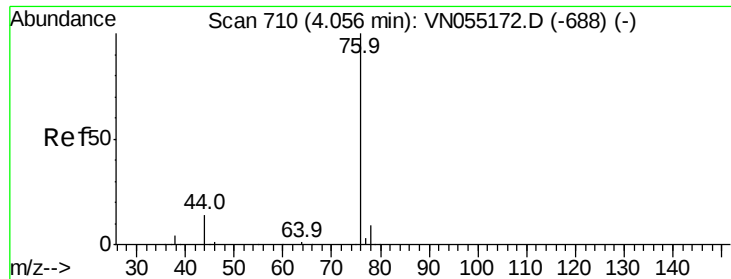
MMDadoda  
 4/23/2019 1:47:33 PM



#16  
 Acetone  
 Concen: 83.108 ug/l  
 RT: 3.82 min Scan# 636  
 Delta R.T. 0.00 min  
 Lab File: VN055188.D  
 Acq: 22 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 30.3  | 23.8  | 35.8  |





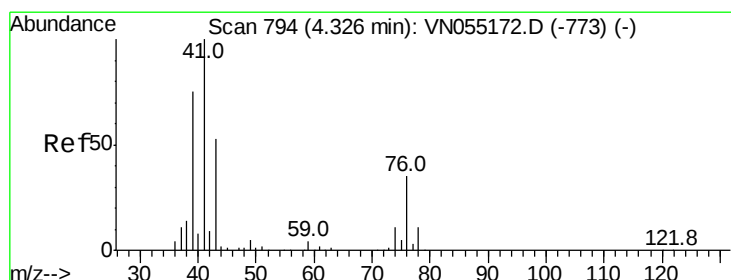
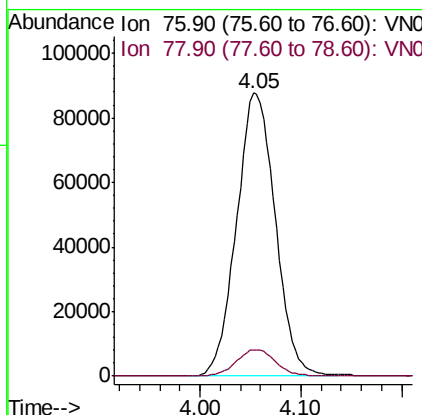
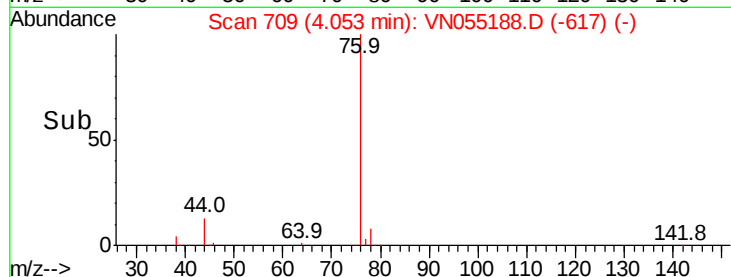
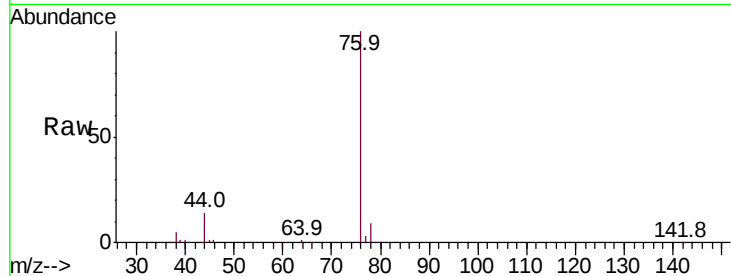
#17  
Carbon Disulfide  
Concen: 19.718 ug/l  
RT: 4.05 min Scan# 709  
Delta R.T. -0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0422WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.2   | 7.3   | 10.9  |

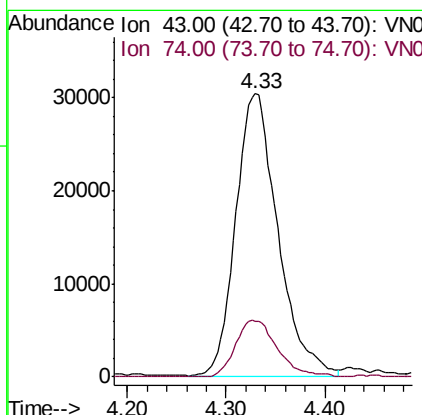
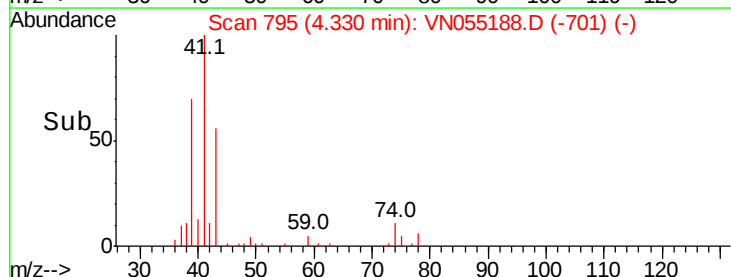
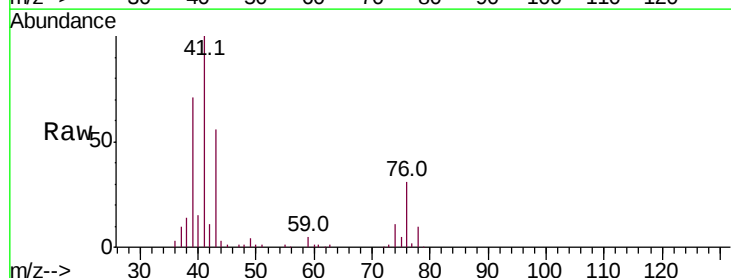
Manual Integrations  
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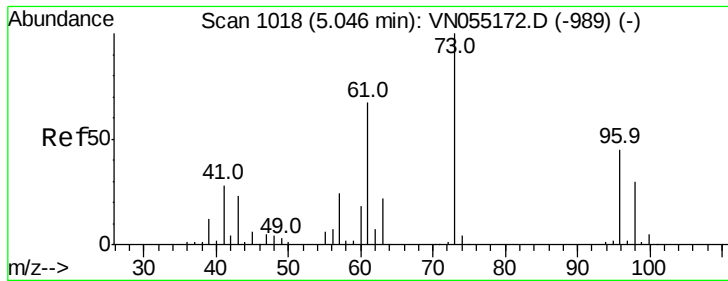
MMDadoda  
4/23/2019 1:47:33 PM



#18  
Methyl Acetate  
Concen: 22.302 ug/l  
RT: 4.33 min Scan# 795  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 19.4  | 16.7  | 25.1  |





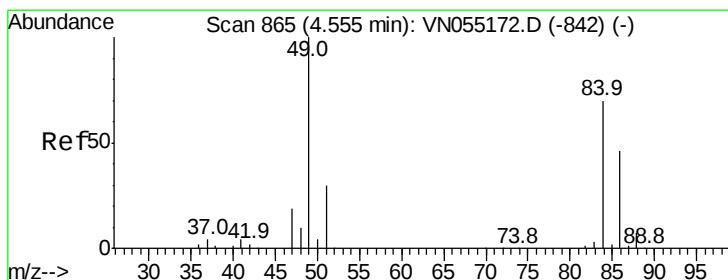
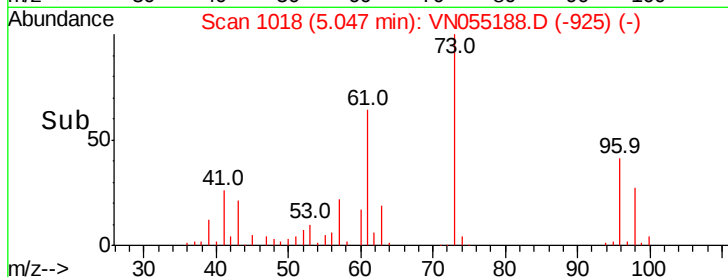
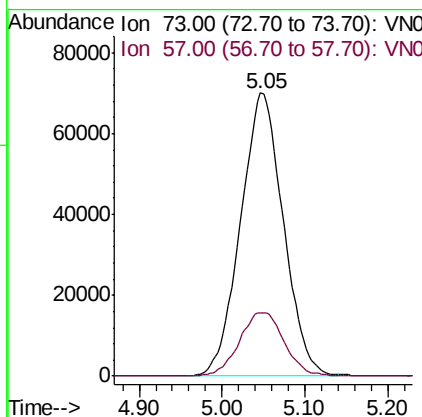
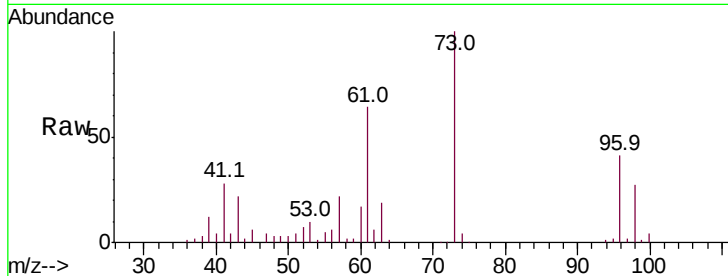
#19  
Methvl tert-butvl Ether  
Concen: 21.374 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0422WBSD01

Tot Ion: 73 Resp: 250578  
Ion Ratio Lower Upper  
73 100  
57 22.5 19.5 29.3

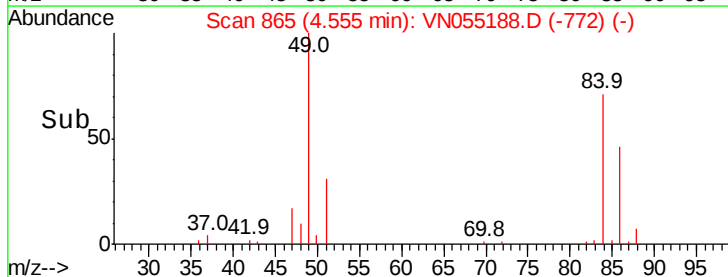
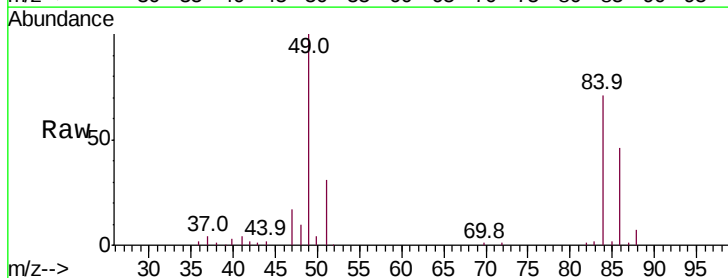
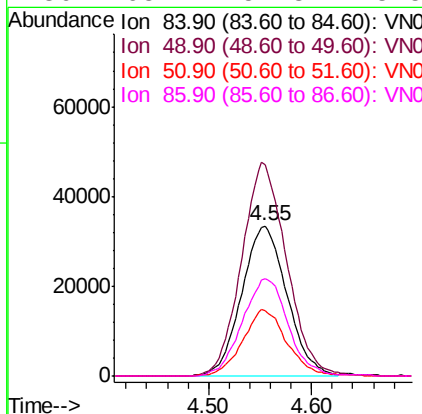
Manual Integrations  
APPROVED

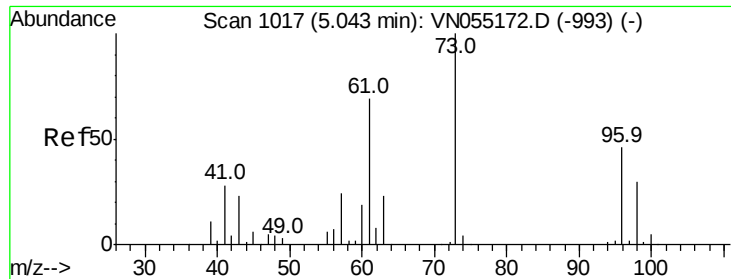
MMDadoda  
4/23/2019 1:47:33 PM



#20  
Methylene Chloride  
Concen: 19.173 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

Tgt Ion: 84 Resp: 101649  
Ion Ratio Lower Upper  
84 100  
49 140.5 113.8 170.6  
51 43.3 34.0 51.0  
86 65.1 52.3 78.5





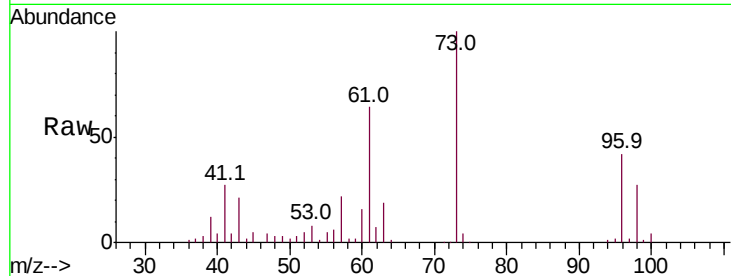
#21  
trans-1,2-Dichloroethene  
Concen: 20.886 ug/l  
RT: 5.05 min Scan# 1019  
Delta R.T. 0.01 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0422WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 152.3 | 119.3 | 178.9 |
| 98      | 65.7  | 53.0  | 79.4  |

Manual Integrations  
APPROVED

MMDadoda  
4/23/2019 1:47:33 PM

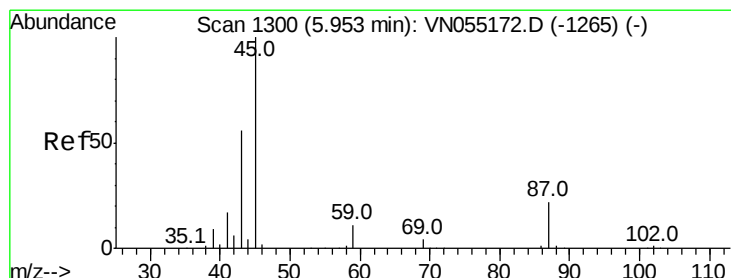
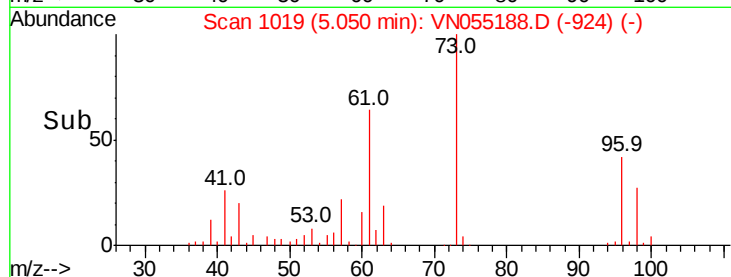
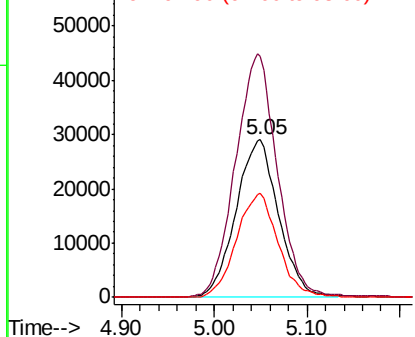


Abundance

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: 21.003 ug/l  
RT: 5.95 min Scan# 1300  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 60.8  | 47.4  | 71.0  |
| 87      | 22.8  | 18.4  | 27.6  |
| 59      | 11.2  | 8.6   | 12.8  |

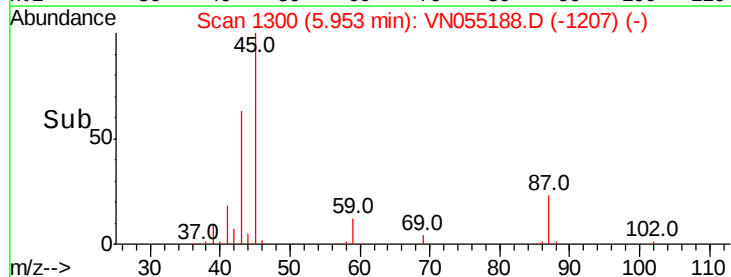
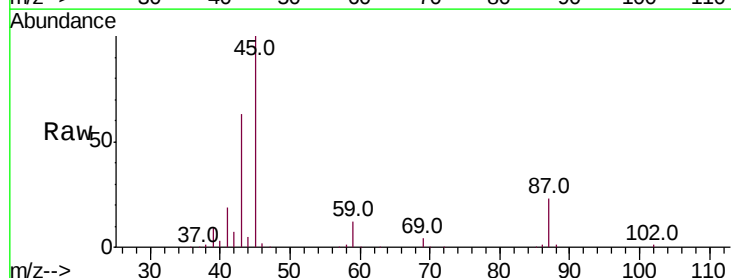
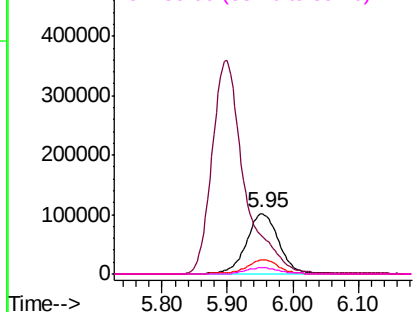
Abundance

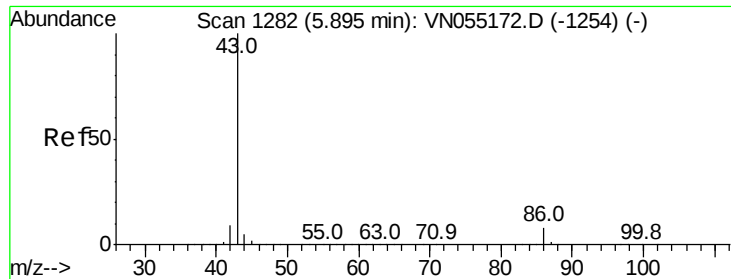
Ion 45.00 (44.70 to 45.70): VNC

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





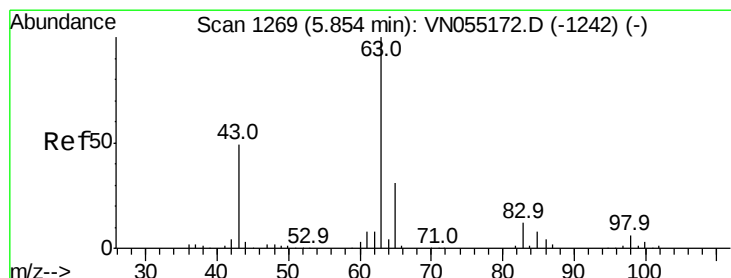
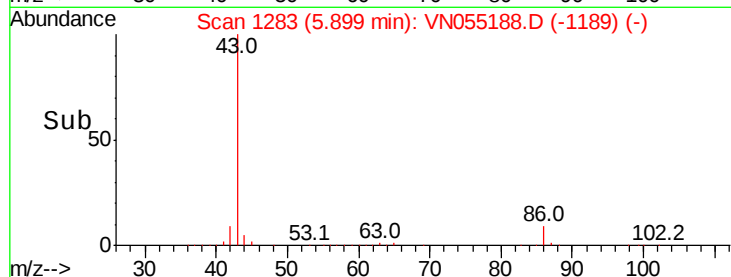
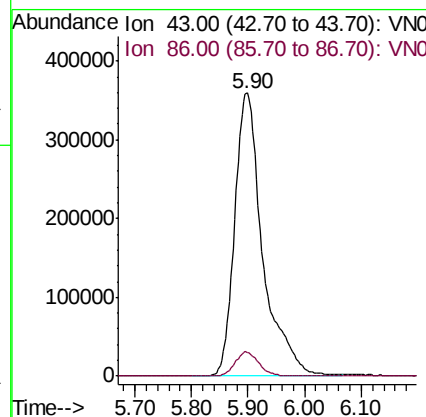
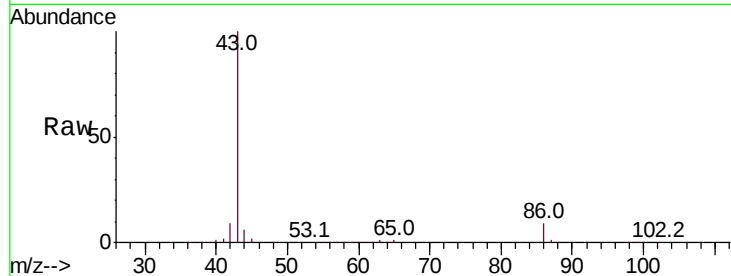
#23  
 Vinyl Acetate  
 Concen: 110.572 ug/l  
 RT: 5.90 min Scan# 1283  
 Delta R.T. 0.00 min  
 Lab File: VN055188.D  
 Acq: 22 Apr 2019 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0422WBSD01

Tot Ion: 43 Resp: 1241552  
 Ion Ratio Lower Upper  
 43 100  
 86 8.5 6.8 10.2

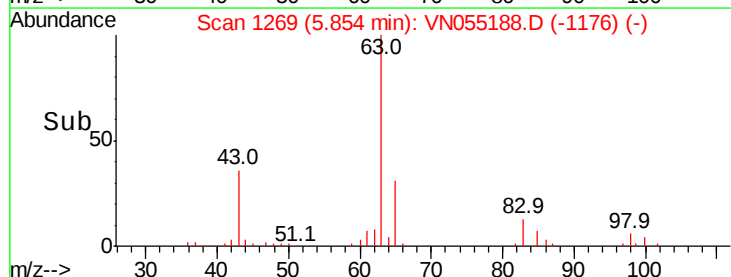
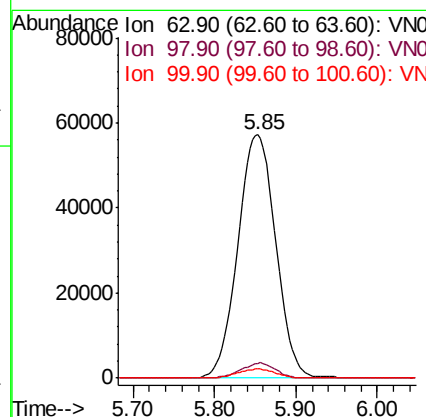
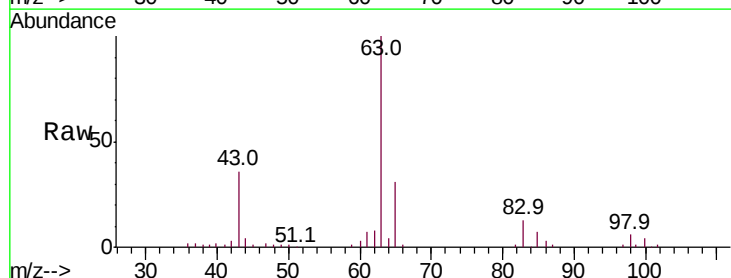
Manual Integrations  
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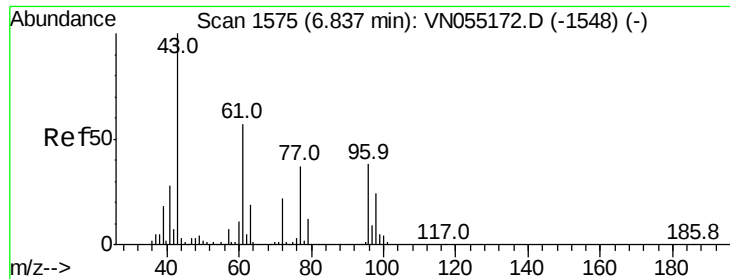
MMDadoda  
 4/23/2019 1:47:33 PM



#24  
 1,1-Dichloroethane  
 Concen: 20.461 ug/l  
 RT: 5.85 min Scan# 1269  
 Delta R.T. 0.00 min  
 Lab File: VN055188.D  
 Acq: 22 Apr 2019 18:09

Tgt Ion: 63 Resp: 183891  
 Ion Ratio Lower Upper  
 63 100  
 98 6.2 3.1 9.3  
 100 3.8 1.8 5.3





#25

2-Butanone

Concen: 98.445 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VN0422WBSD01

Tot Ion: 43 Resp: 234385

Ion Ratio Lower Upper

43 100

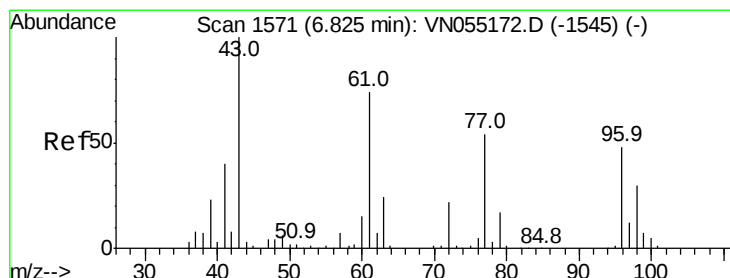
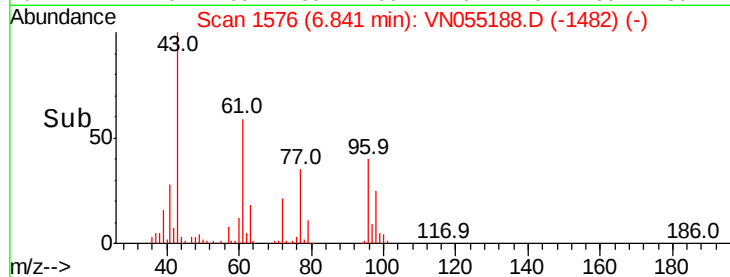
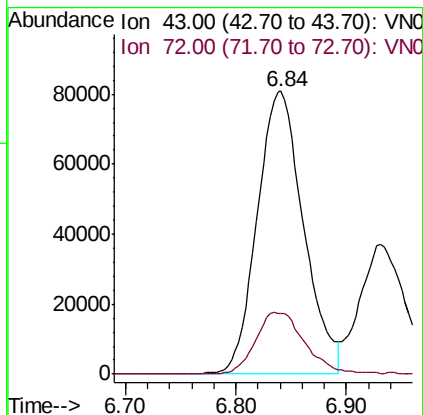
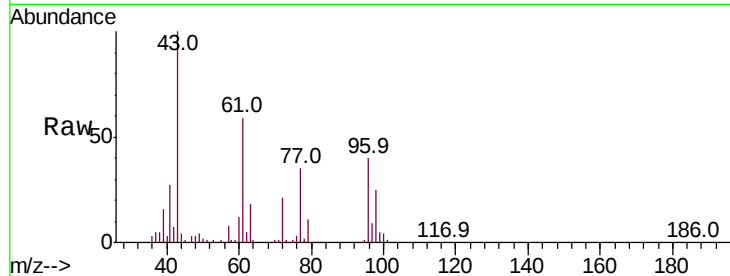
72 21.4 17.8 26.8

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#26

2,2-Dichloropropane

Concen: 18.818 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055188.D

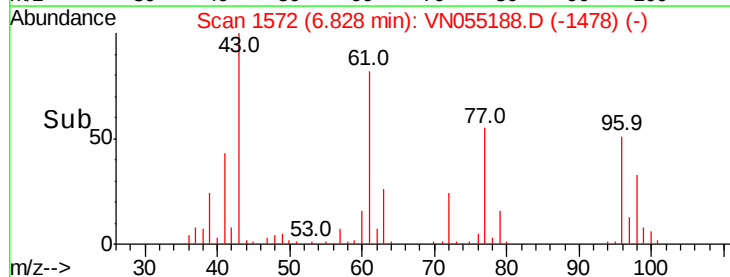
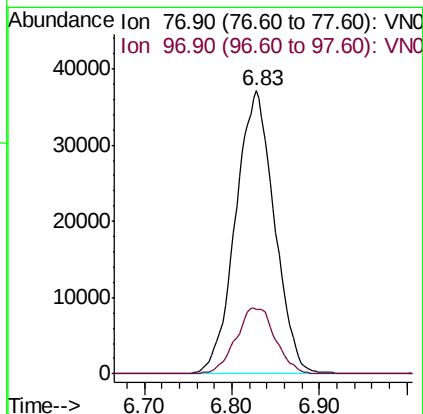
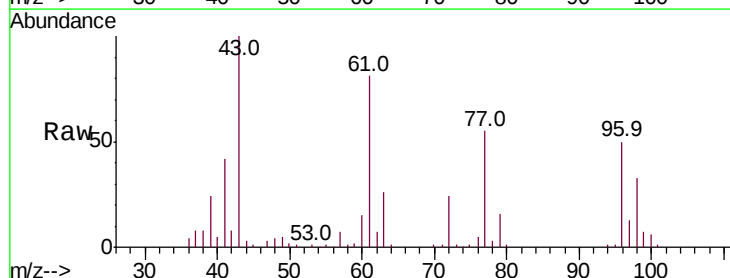
Acq: 22 Apr 2019 18:09

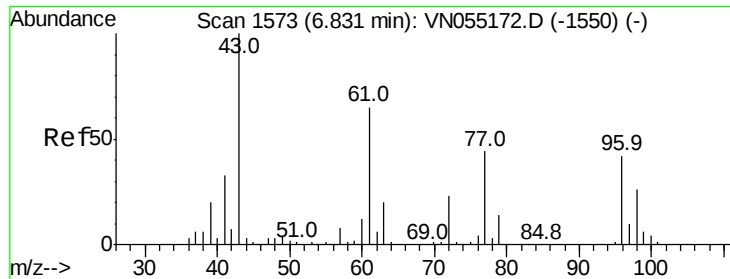
Tgt Ion: 77 Resp: 114452

Ion Ratio Lower Upper

77 100

97 23.5 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.375 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055188.D

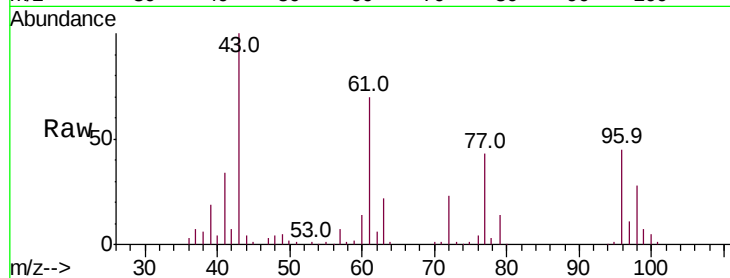
Acq: 22 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0422WBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 154.5 | 0.0  | 310.8 |       |
| 98      | 64.5  | 0.0  | 127.4 |       |

Manual Integrations  
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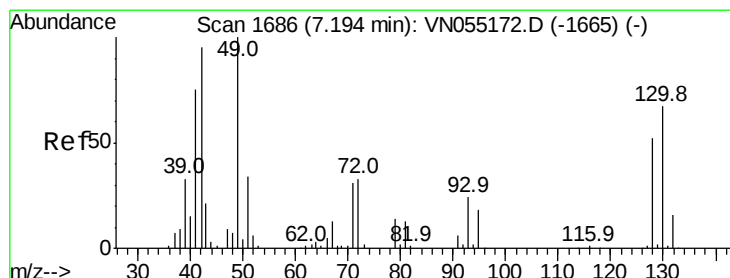
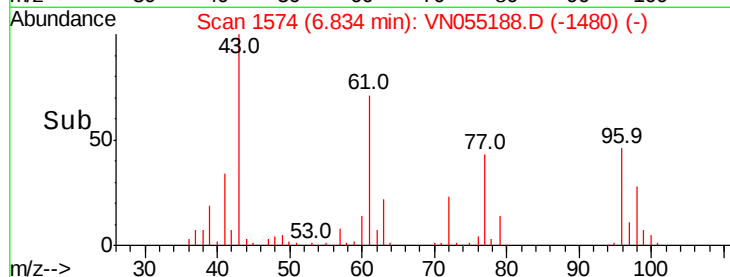
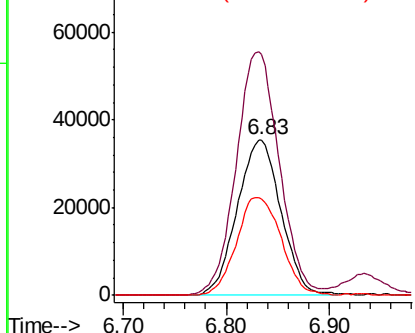


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.648 ug/l

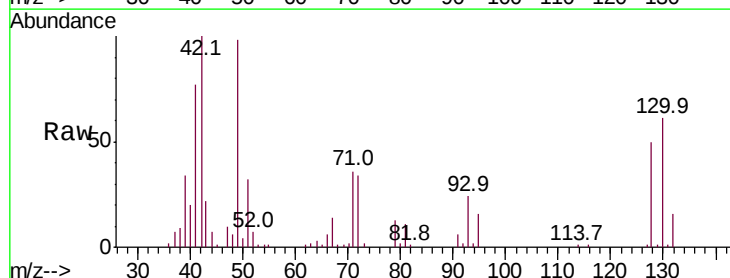
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 0.7   | 0.0  | 3.8   |       |
| 130     | 65.1  | 53.4 | 80.2  |       |

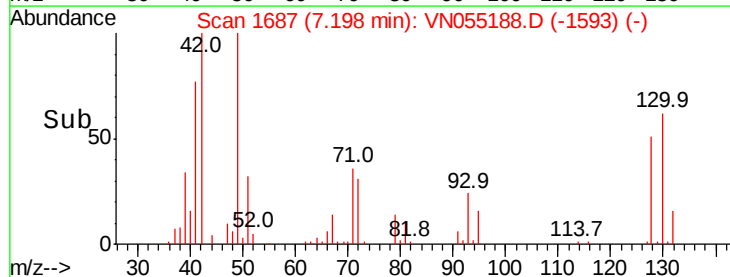
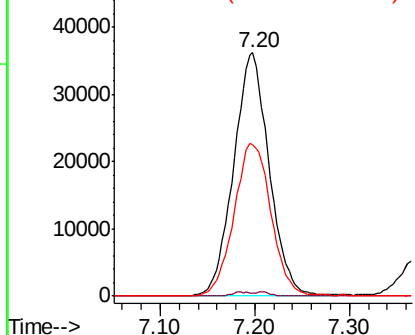


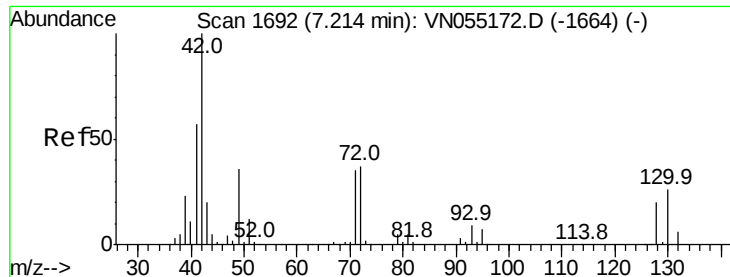
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





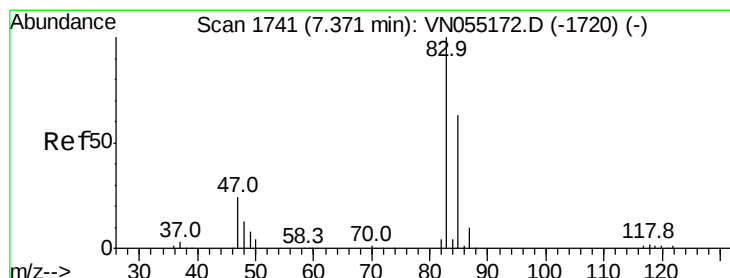
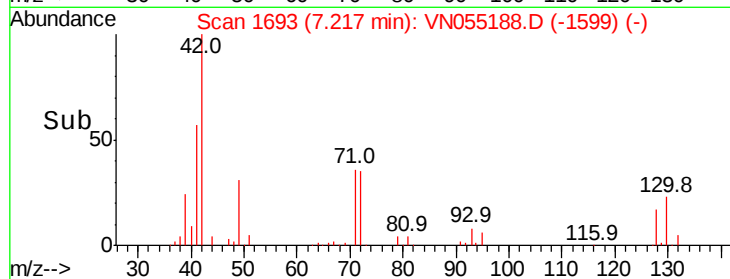
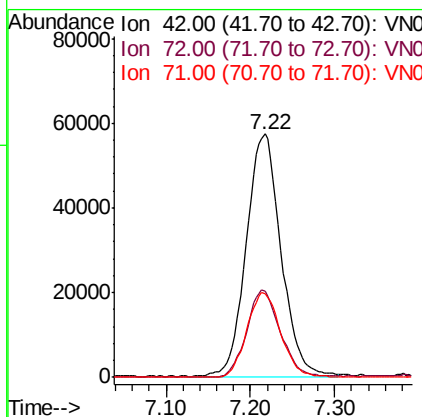
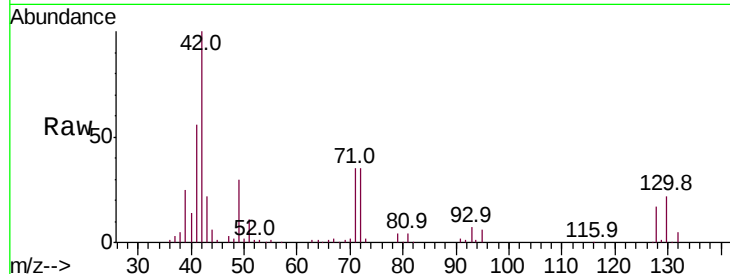
#29  
Tetrahydrofuran  
Concen: 111.981 ug/l  
RT: 7.22 min Scan# 1693  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0422WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 34.8  | 29.4  | 44.2  |
| 71      | 33.9  | 27.8  | 41.8  |

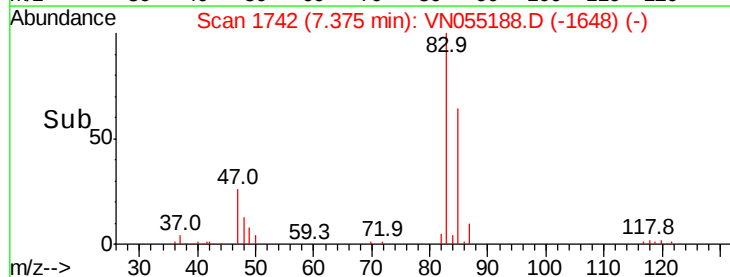
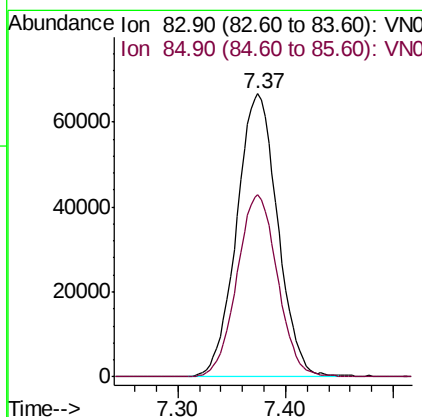
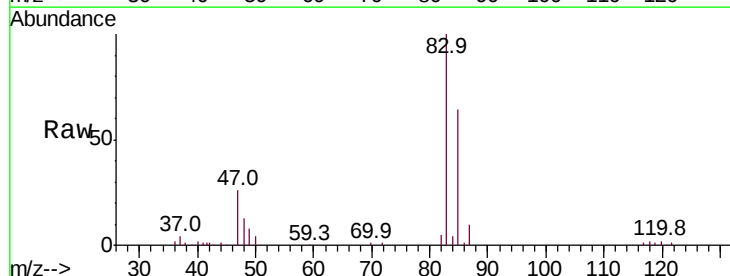
Manual Integrations  
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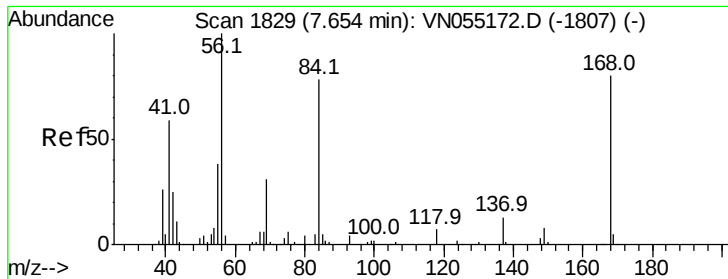
MMDadoda  
4/23/2019 1:47:33 PM



#30  
Chloroform  
Concen: 20.582 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.5  | 50.6  | 76.0  |





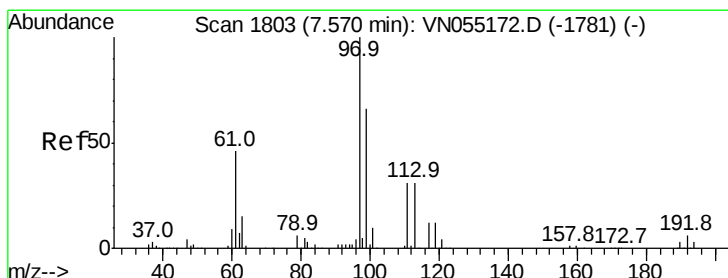
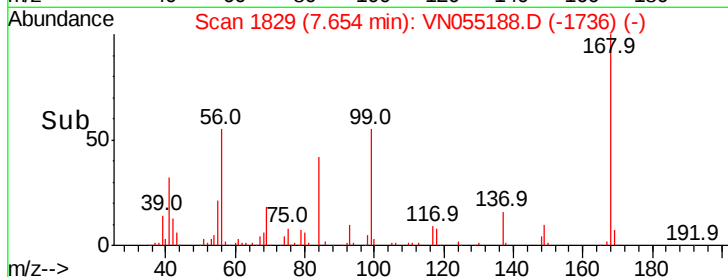
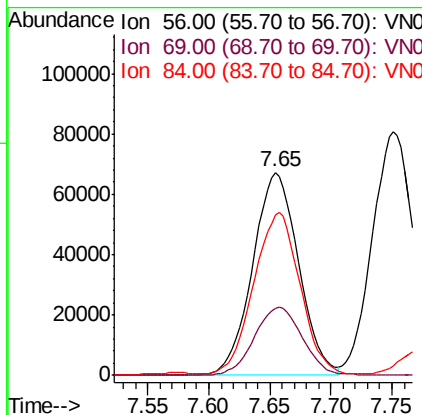
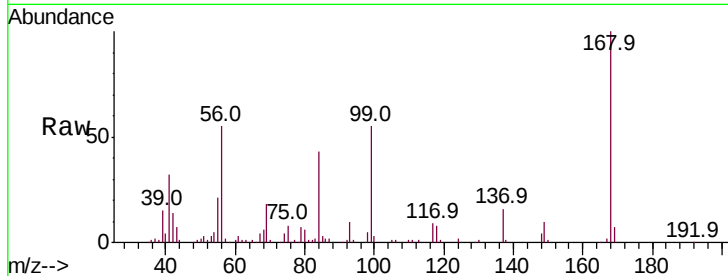
#31  
Cyclohexane  
Concen: 20.095 ug/l  
RT: 7.65 min Scan# 1829  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0422WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 33.1  | 24.6  | 37.0  |
| 84      | 77.7  | 61.4  | 92.2  |

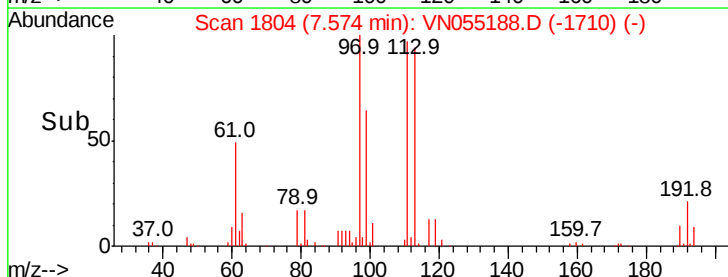
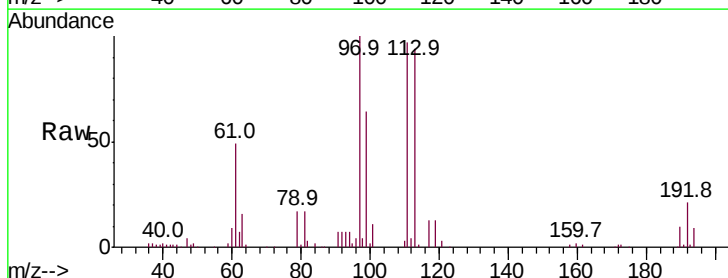
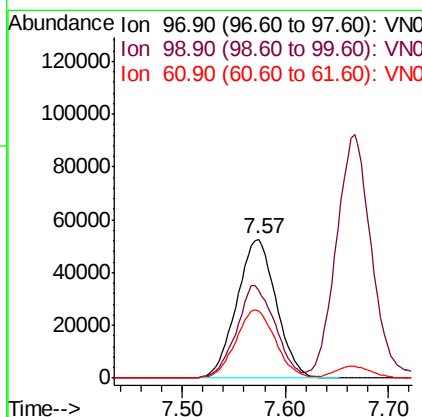
Manual Integrations  
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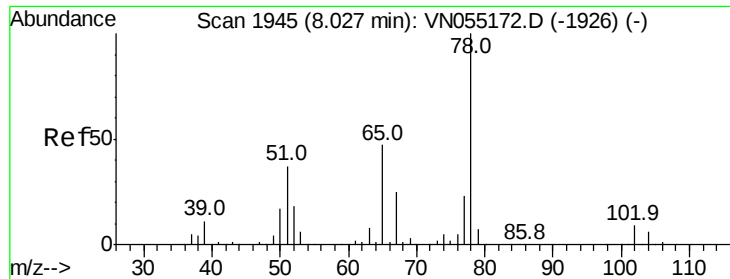
MMDadoda  
4/23/2019 1:47:33 PM



#32  
1,1,1-Trichloroethane  
Concen: 20.374 ug/l  
RT: 7.57 min Scan# 1804  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.3  | 51.1  | 76.7  |
| 61      | 49.2  | 38.3  | 57.5  |





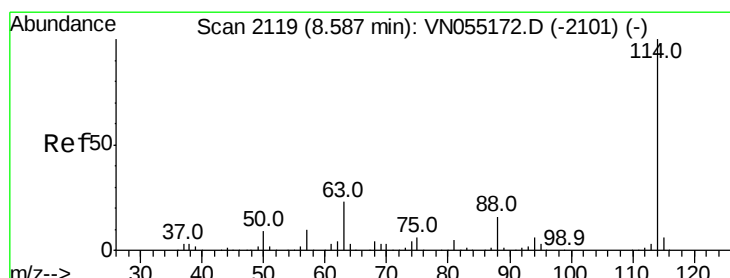
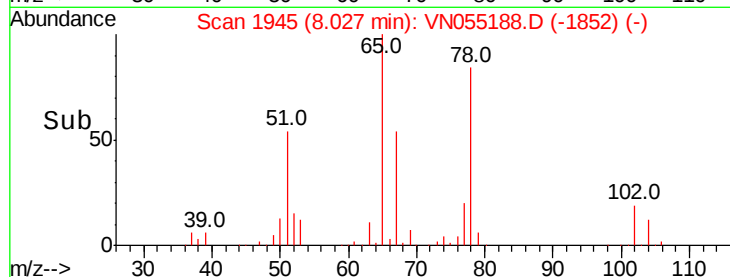
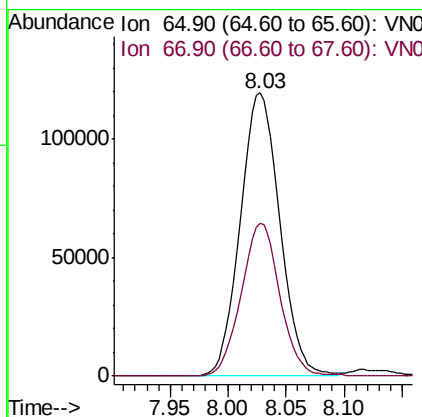
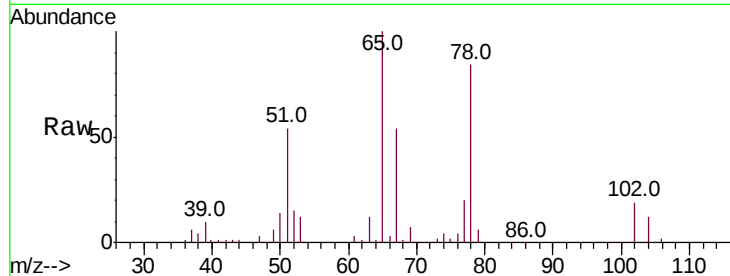
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.859 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN055188.D  
 Acq: 22 Apr 2019 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0422WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 283721 |       |       |
| 67      | 53.1  | 0.0    | 108.6 |       |

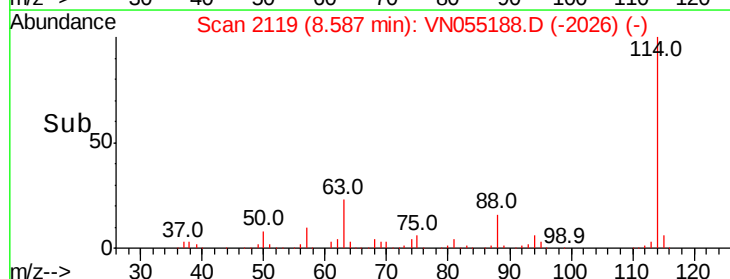
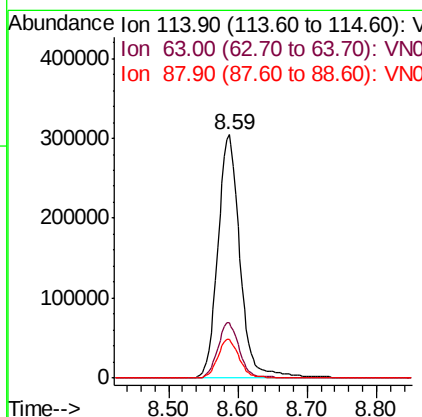
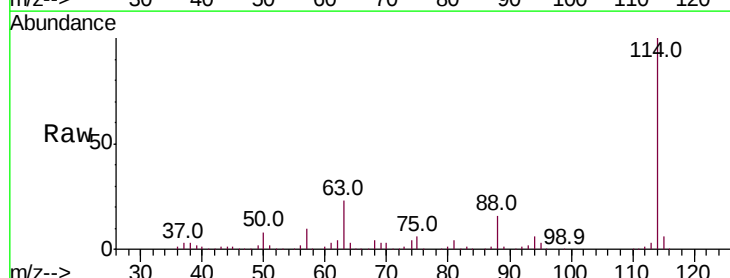
Manual Integrations  
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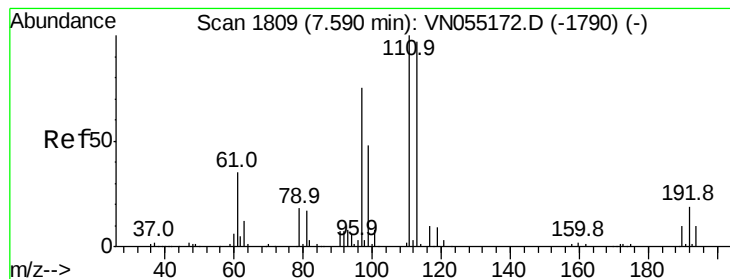
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 4/23/2019 1:47:33 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN055188.D  
 Acq: 22 Apr 2019 18:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 676450 |       |       |
| 63      | 22.6  | 0.0    | 45.2  |       |
| 88      | 15.7  | 0.0    | 32.8  |       |





#35

Dibromofluoromethane

Concen: 48.345 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

Instrument :

MSVOA\_N

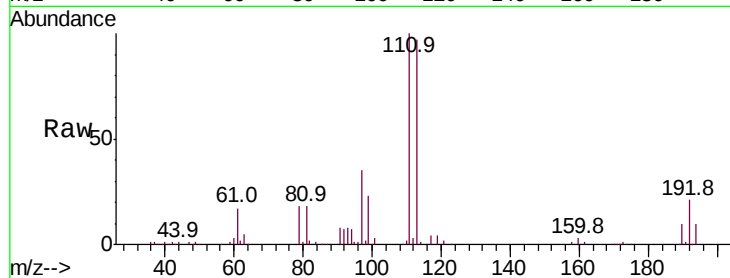
ClientSampleId :

VN0422WBSD01

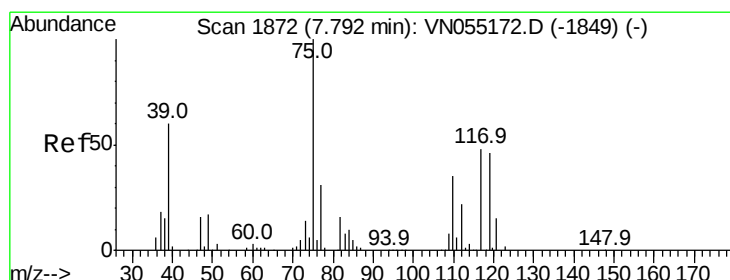
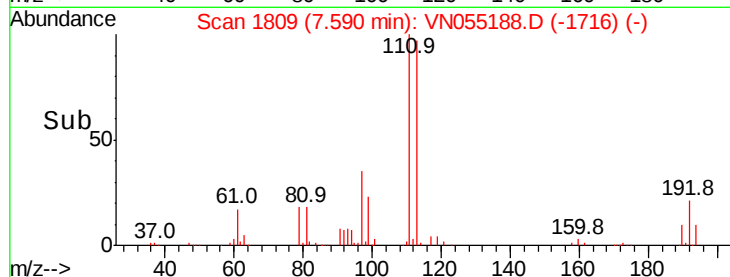
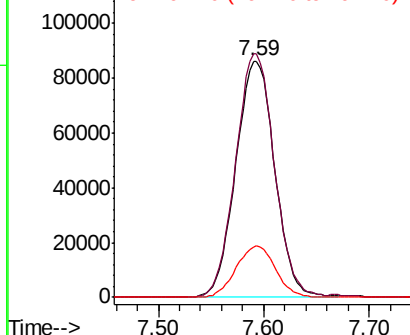
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 222167 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.2 | 81.0  | 121.4  |
| 192       | 22.0  | 16.2  | 24.4   |

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Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.795 ug/l

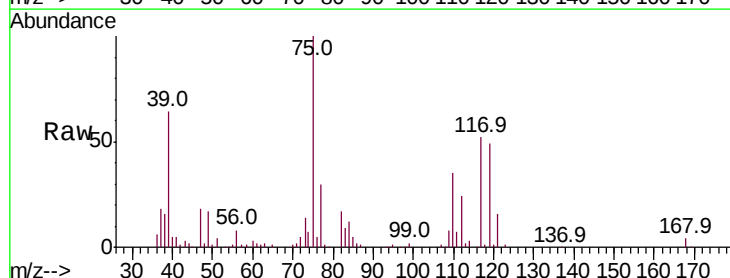
RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

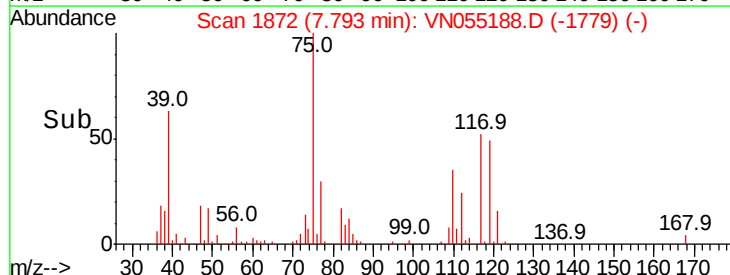
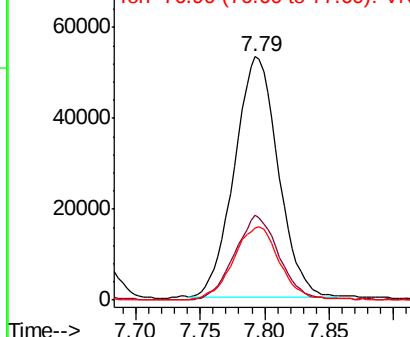
Lab File: VN055188.D

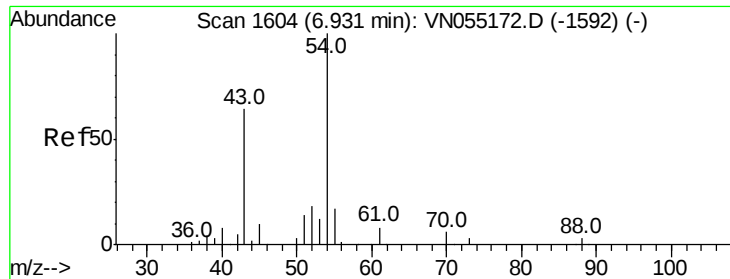
Acq: 22 Apr 2019 18:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 124283 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 36.1  | 17.1  | 51.2   |
| 77        | 32.3  | 24.6  | 36.8   |



Abundance Ion 74.90 (74.60 to 75.60): V  
Ion 109.90 (109.60 to 110.60): V  
Ion 76.90 (76.60 to 77.60): V





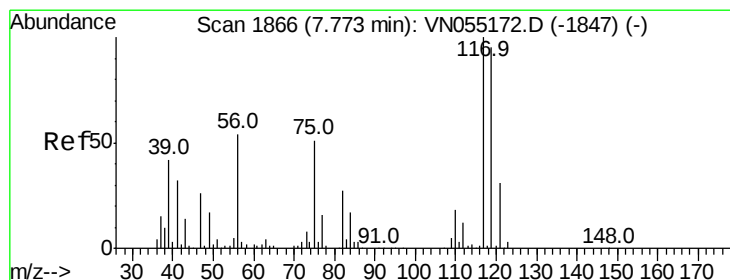
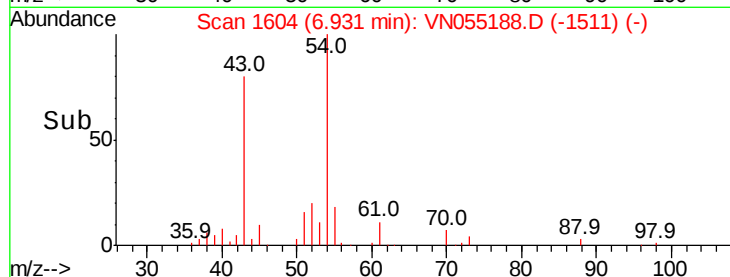
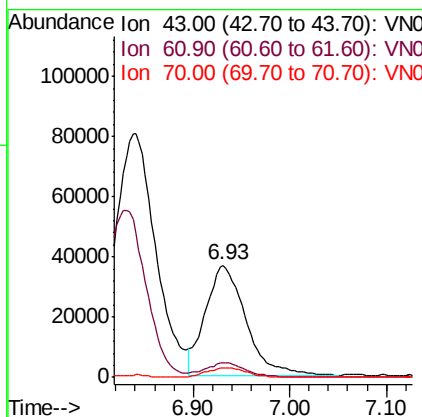
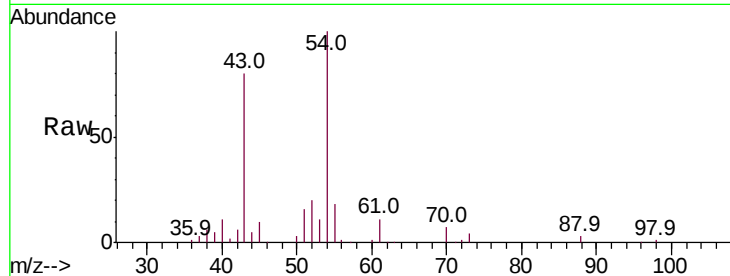
#37  
Ethyl Acetate  
Concen: 21.059 ug/l  
RT: 6.93 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0422WBSD01

| Tot Ion | 43   | Ratio | 100 | Resp  | 106703 |
|---------|------|-------|-----|-------|--------|
| Ion     | 43   | 100   |     | Lower | Upper  |
| 61      | 11.7 |       | 9.7 | 14.5  |        |
| 70      | 8.7  |       | 6.9 | 10.3  |        |

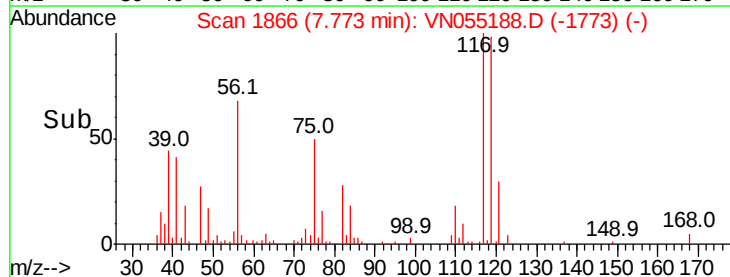
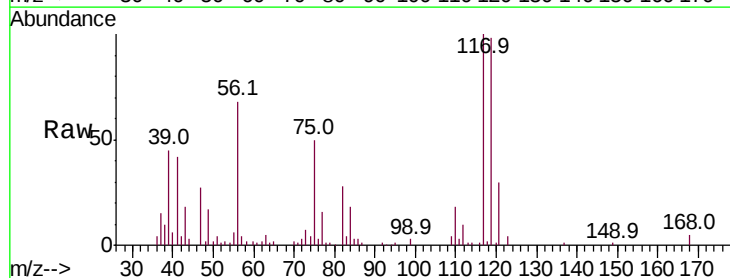
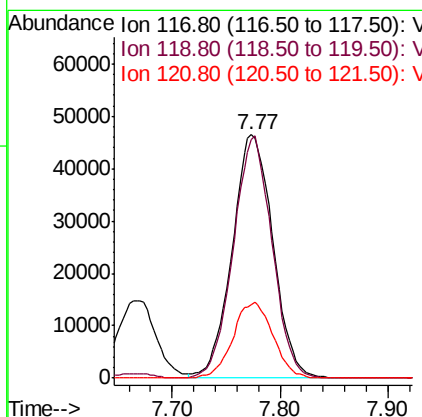
Manual Integrations  
APPROVED

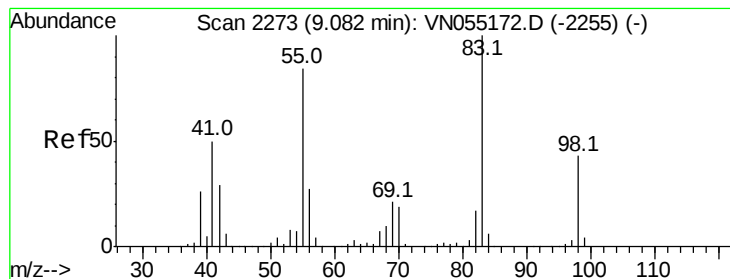
MMDadoda  
4/23/2019 1:47:33 PM



#38  
Carbon Tetrachloride  
Concen: 20.776 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

| Tgt Ion | 117  | Resp | 122148     |
|---------|------|------|------------|
| Ion     | 117  | 100  |            |
| 119     | 97.7 |      | 76.0 114.0 |
| 121     | 30.3 |      | 24.6 36.8  |





#39

Methvlcvclohexane

Concen: 19.121 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VN0422WBSD01

Tot Ion: 83 Resp: 143216

Ion Ratio Lower Upper

83 100

55 82.4 67.4 101.0

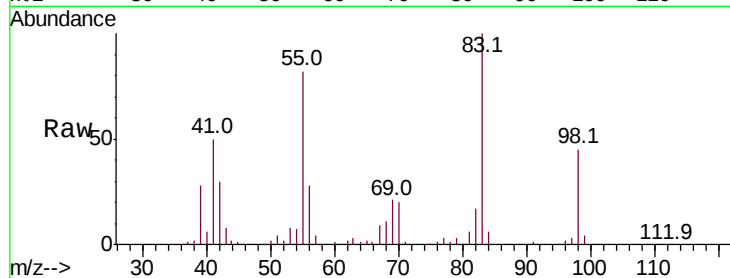
98 44.6 34.7 52.1

Manual Integrations

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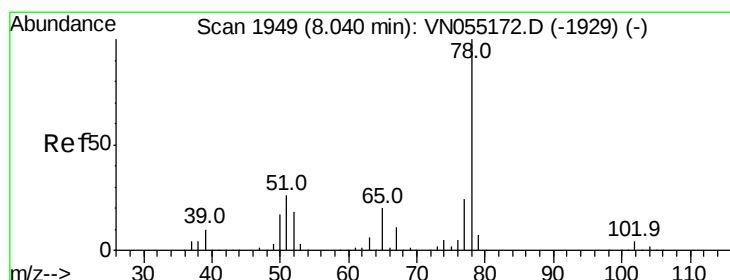
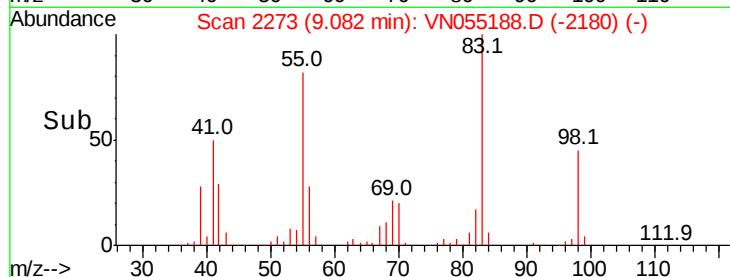
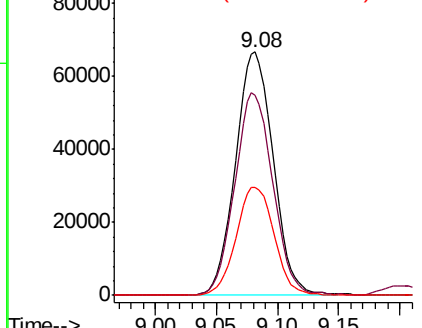
4/23/2019 1:47:33 PM



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 20.215 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055188.D

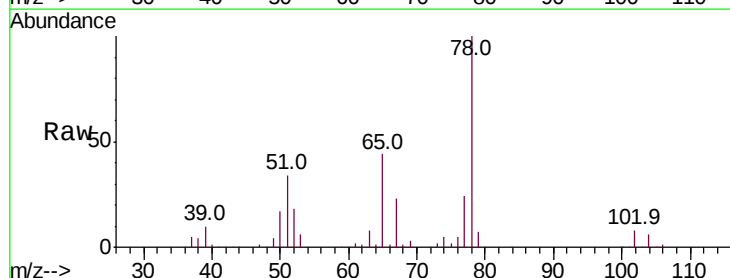
Acq: 22 Apr 2019 18:09

Tgt Ion: 78 Resp: 391791

Ion Ratio Lower Upper

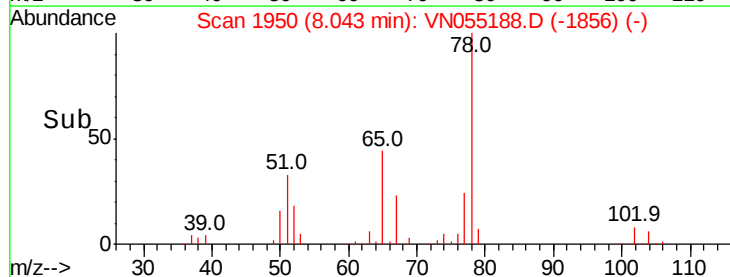
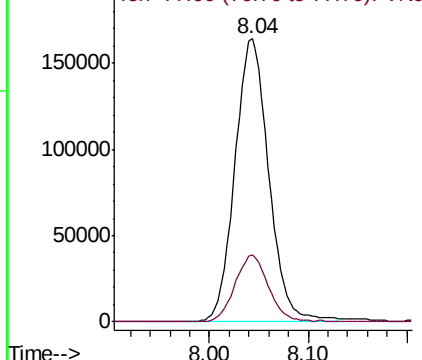
78 100

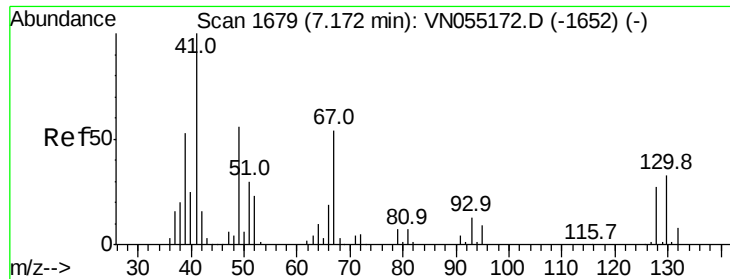
77 23.7 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 24.602 ug/l m

RT: 7.19 min Scan# 1685

Delta R.T. 0.02 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleID :

VN0422WBSD01

Tot Ion: 41 Resp: 65355

Ion Ratio Lower Upper

41 100

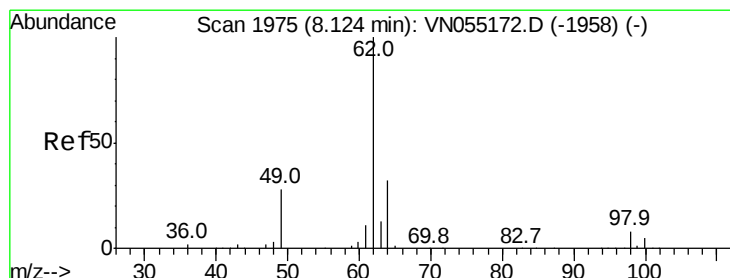
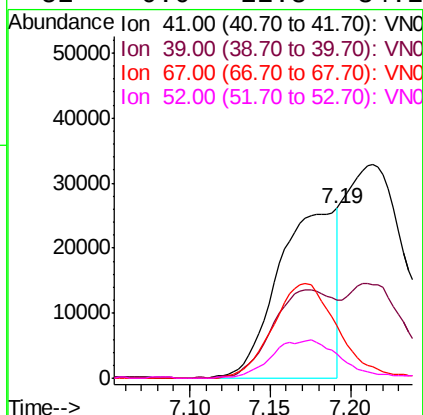
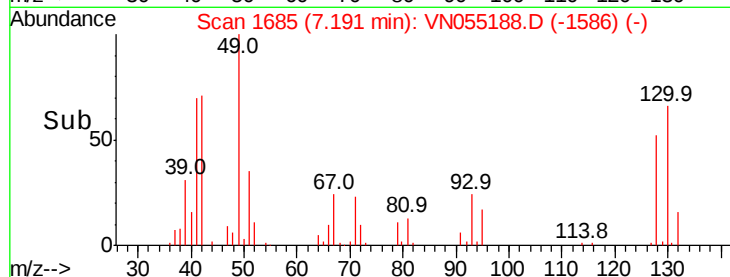
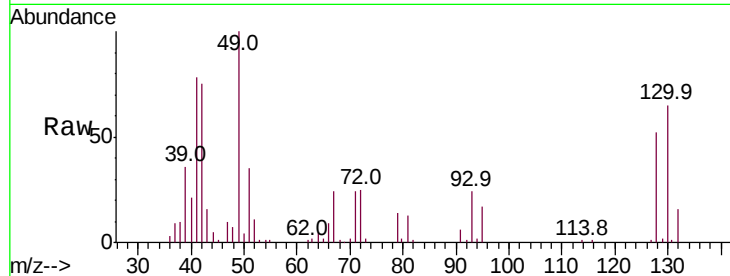
39 0.0 45.4 68.0#

67 0.0 54.6 81.8#

52 0.0 22.8 34.2#

Manual Integrations  
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4/23/2019 1:47:33 PM



#42

1,2-Dichloroethane

Concen: 20.232 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN055188.D

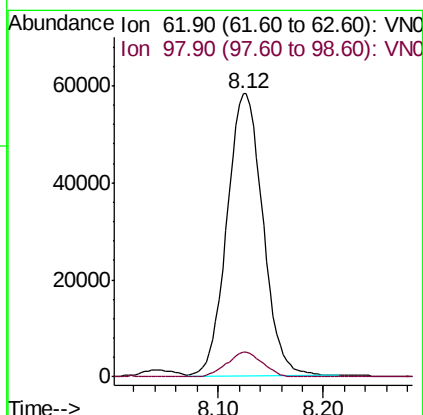
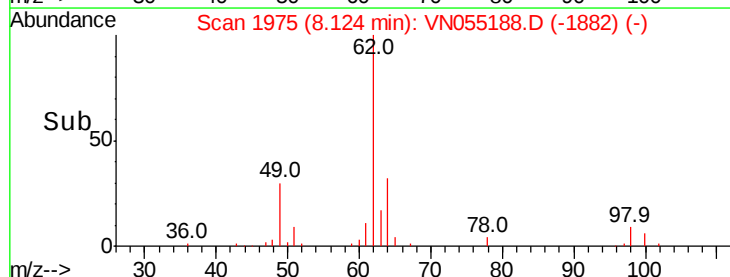
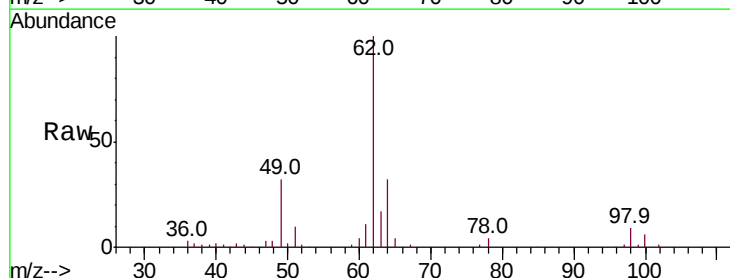
Acq: 22 Apr 2019 18:09

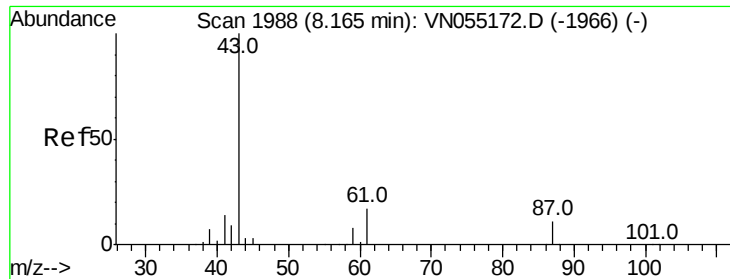
Tgt Ion: 62 Resp: 136802

Ion Ratio Lower Upper

62 100

98 8.8 0.0 17.0





#43

Isopropyl Acetate

Concen: 22.560 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

Instrument :

MSVOA\_N

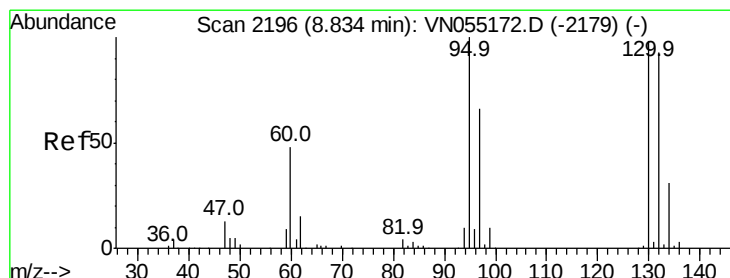
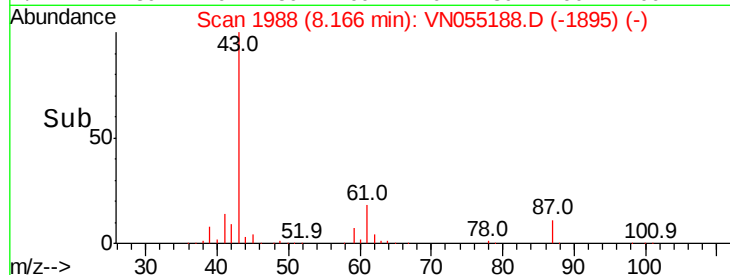
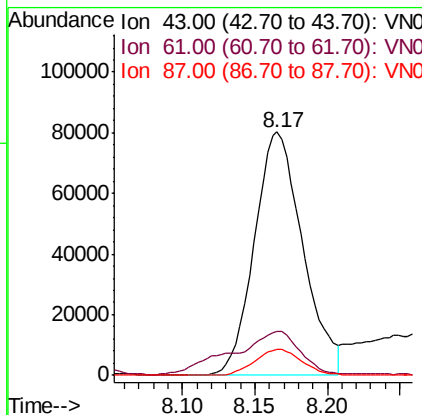
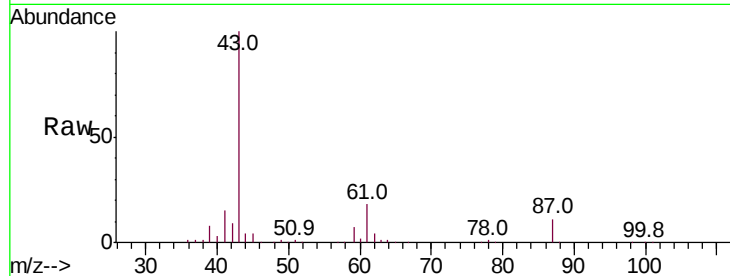
ClientSampleId :

VN0422WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 43    | Resp: | 185107 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 24.9  | 20.6  | 30.8   |
| 87        | 10.4  | 8.8   | 13.2   |

Manual Integrations  
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4/23/2019 1:47:33 PM



#44

Trichloroethene

Concen: 19.850 ug/l

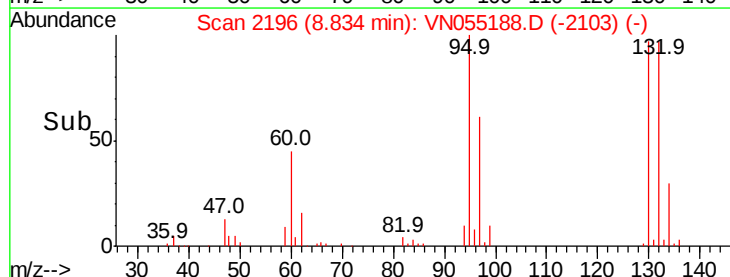
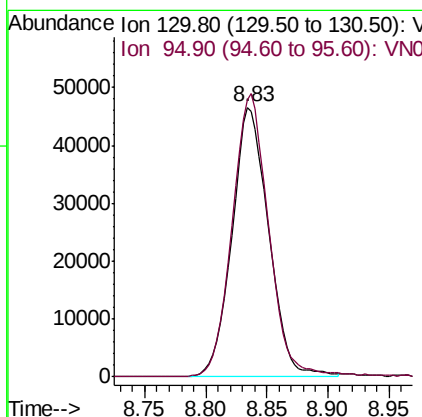
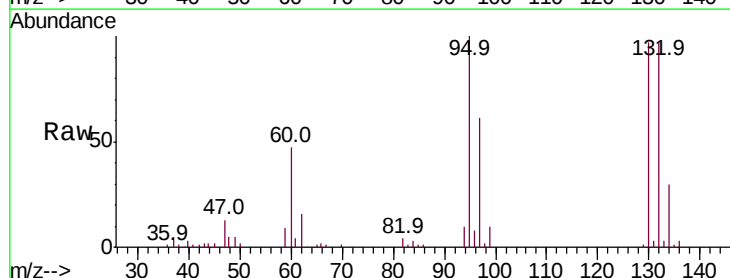
RT: 8.83 min Scan# 2196

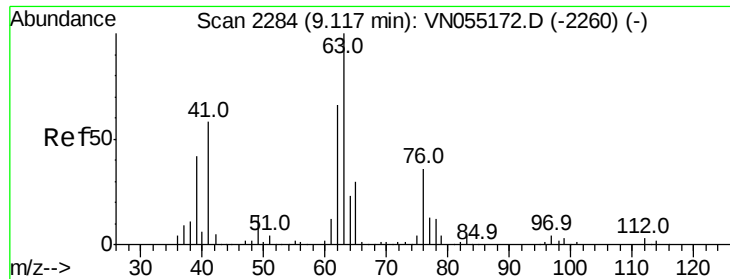
Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 130   | Resp: | 97239 |
| Ion Ratio | Lower | Upper |       |
| 130       | 100   |       |       |
| 95        | 103.0 | 0.0   | 203.6 |





#45

1,2-Dichloropropane

Concen: 20.207 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VN0422WBSD01

Tot Ion: 63 Resp: 110548

Ion Ratio Lower Upper

63 100

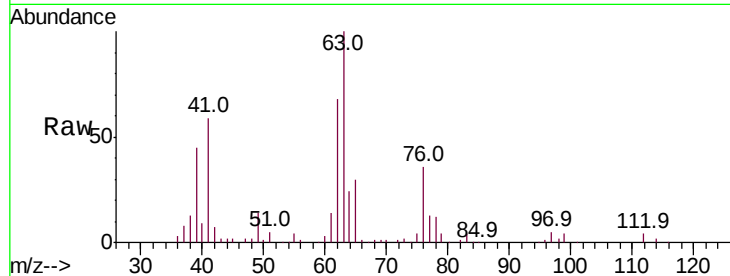
65 29.9 23.8 35.6

Manual Integrations

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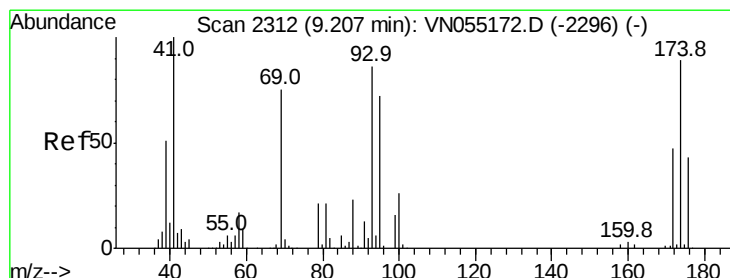
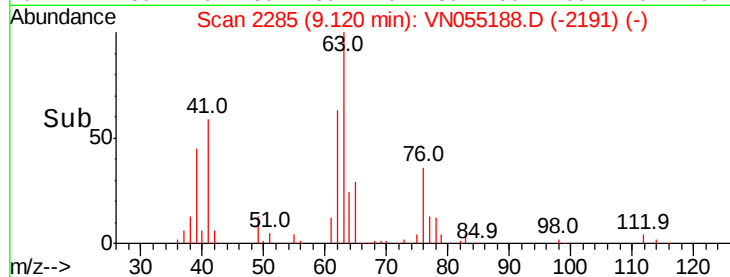
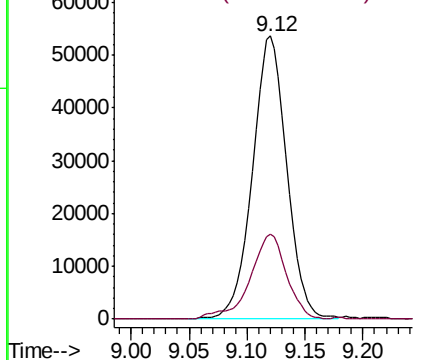
MMDadoda

4/23/2019 1:47:33 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.174 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

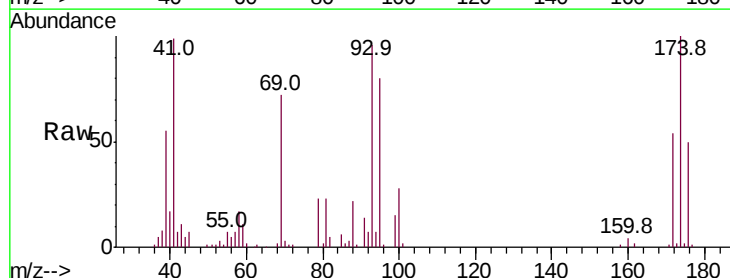
Tgt Ion: 93 Resp: 63183

Ion Ratio Lower Upper

93 100

95 81.9 67.6 101.4

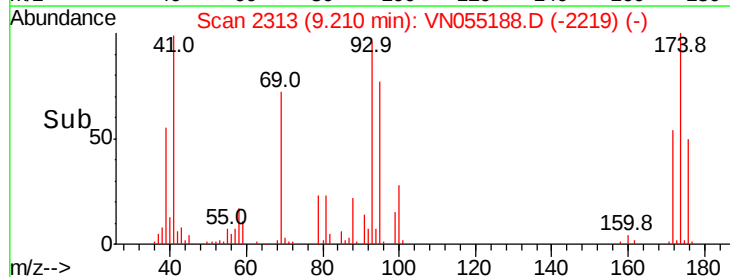
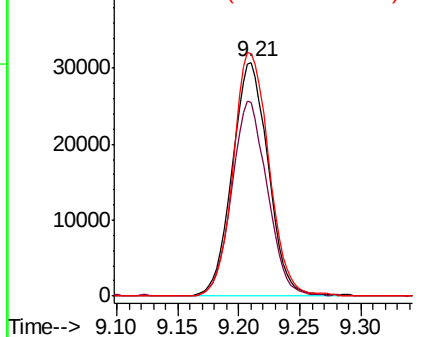
174 103.6 83.4 125.2

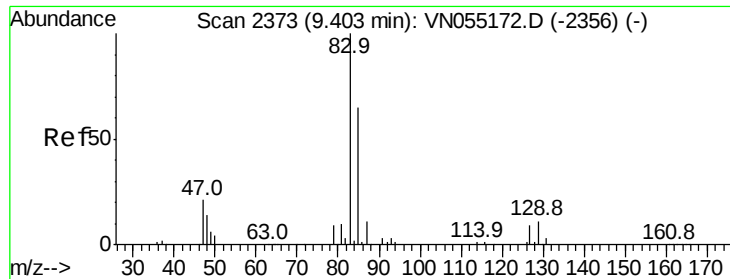


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.209 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

Instrument :

MSVOA\_N

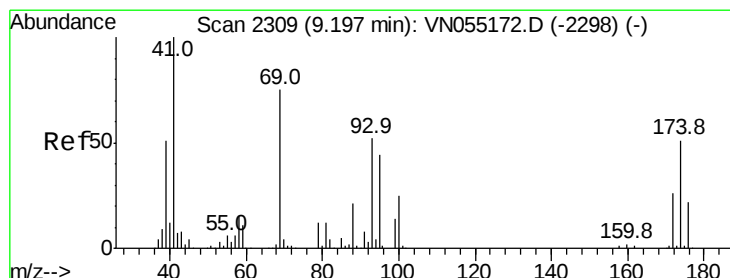
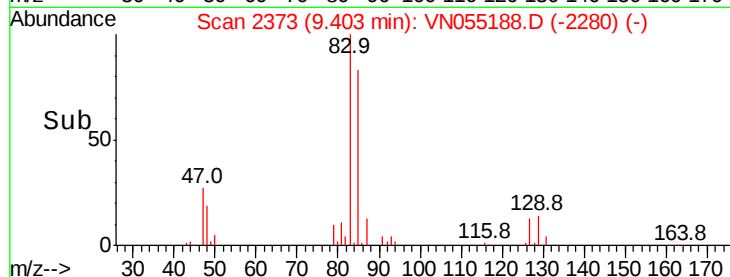
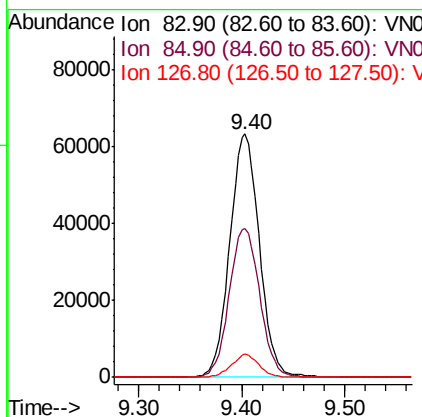
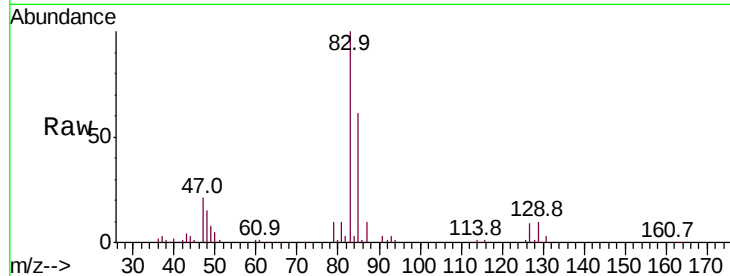
ClientSampleId :

VN0422WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 126702 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 61.3  | 52.1  | 78.1   |
| 127      | 9.5   | 6.9   | 10.3   |

Manual Integrations  
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MMDadoda  
4/23/2019 1:47:33 PM



#48

Methyl methacrylate

Concen: 21.020 ug/l

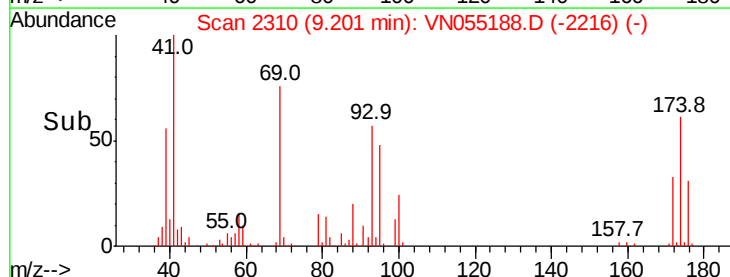
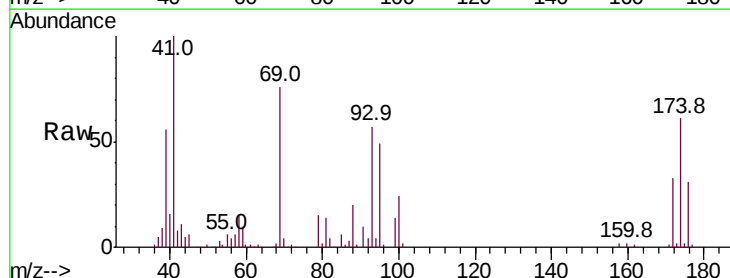
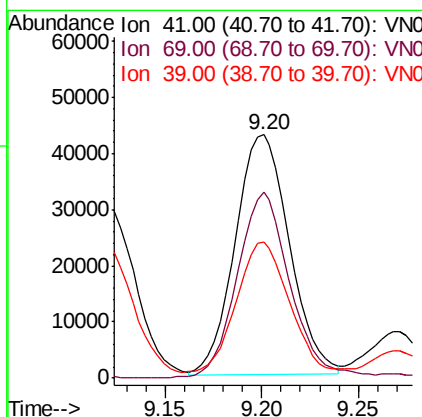
RT: 9.20 min Scan# 2310

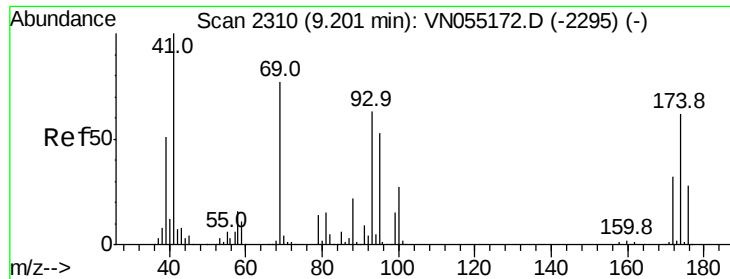
Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 83662 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 75.7  | 63.6  | 95.4  |
| 39       | 56.9  | 43.8  | 65.8  |





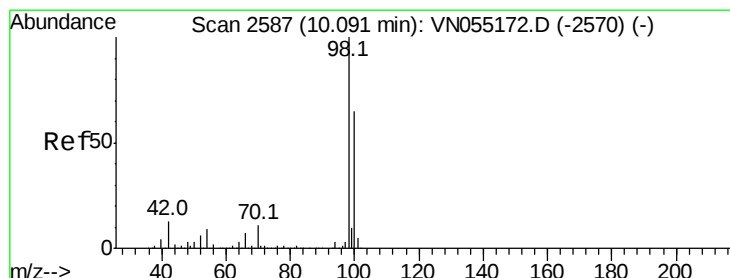
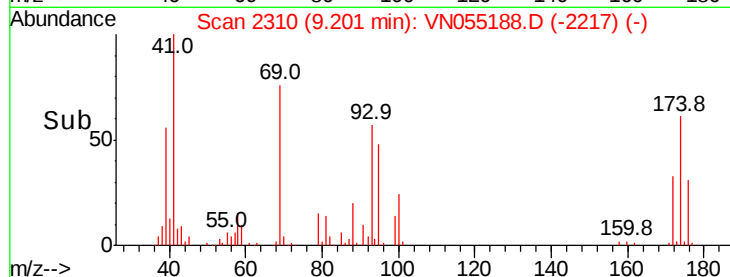
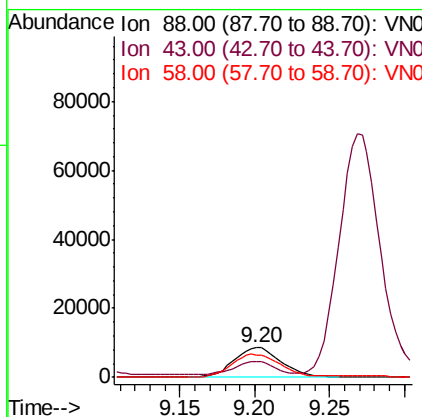
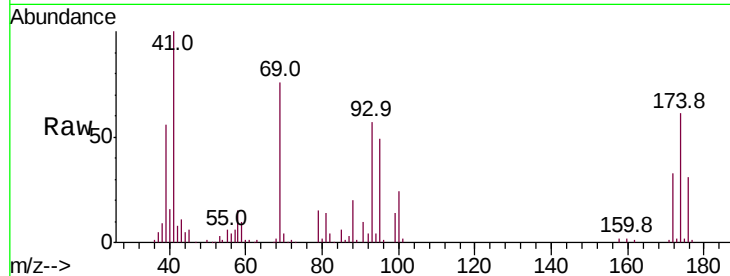
#49  
1,4-Dioxane  
Concen: 414.005 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0422WBSD01

| Tot Ion | 88    | Resp  | 19029 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 37.2  | 32.0  | 48.0  |
| 58      | 80.8  | 60.4  | 90.6  |

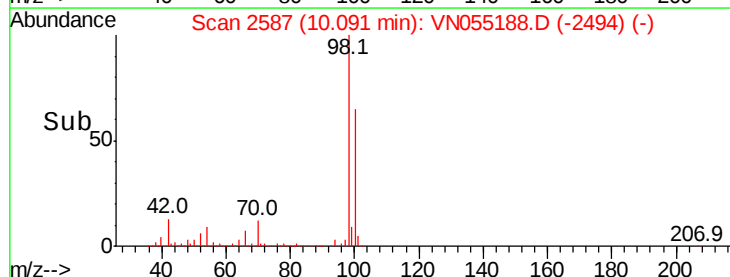
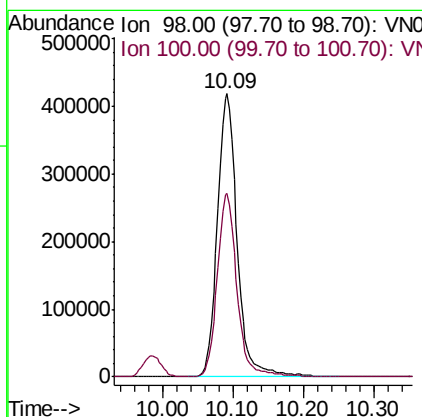
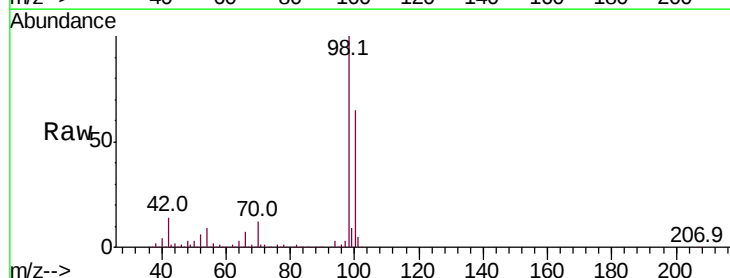
Manual Integrations  
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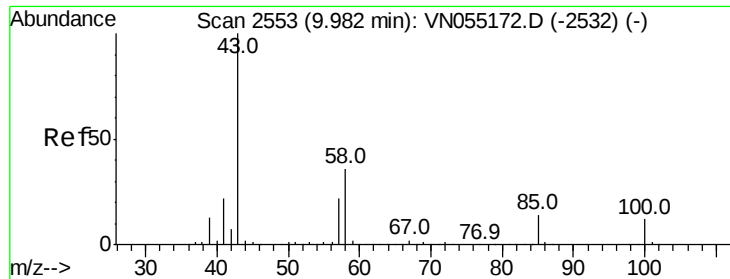
MMDadoda  
4/23/2019 1:47:33 PM



#50  
Toluene-d8  
Concen: 47.997 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

| Tgt Ion | 98    | Resp  | 817228 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 64.8  | 51.8  | 77.6   |





#51

4-Methyl-2-Pentanone

Concen: 105.764 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VN0422WBSD01

Tot Ion: 43 Resp: 499361

Ion Ratio Lower Upper

43 100

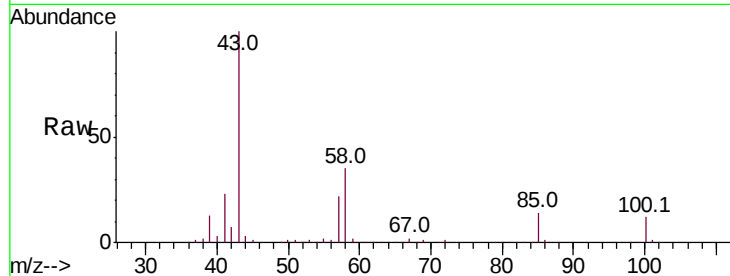
58 35.3 28.3 42.5

Manual Integrations

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MMDadoda

4/23/2019 1:47:33 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

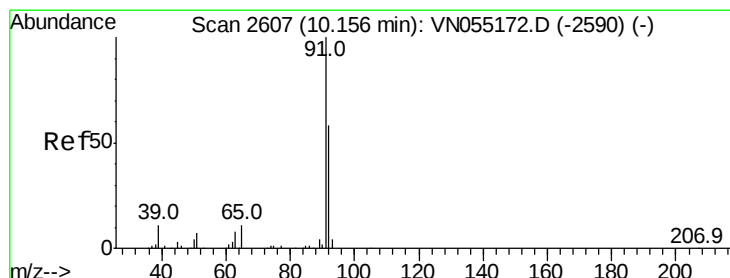
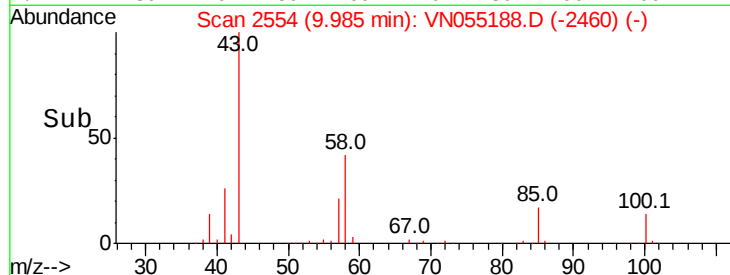
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.987 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055188.D

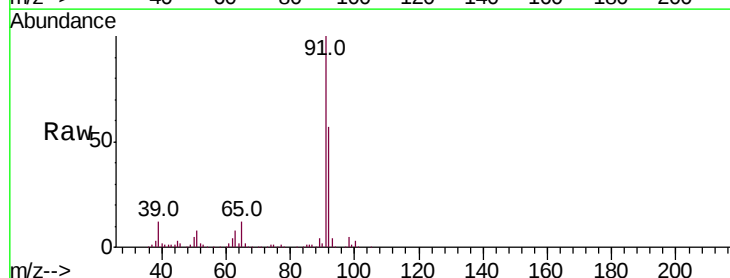
Acq: 22 Apr 2019 18:09

Tgt Ion: 92 Resp: 227089

Ion Ratio Lower Upper

92 100

91 177.6 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

200000

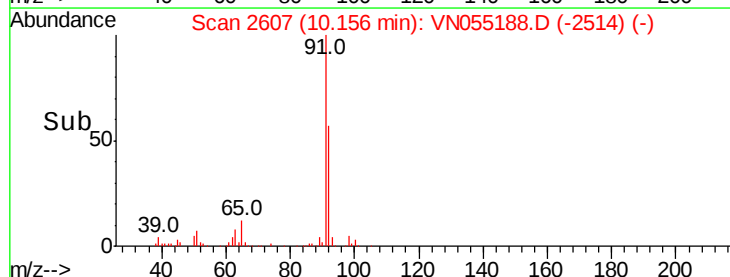
150000

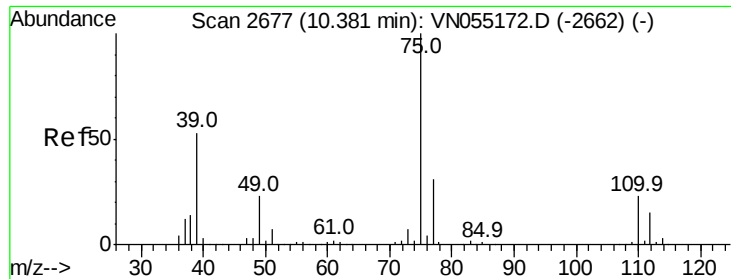
100000

50000

0

Time-->





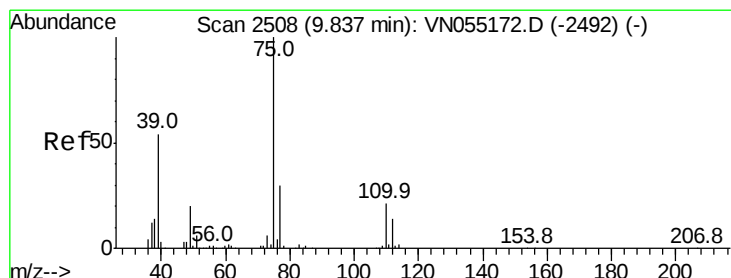
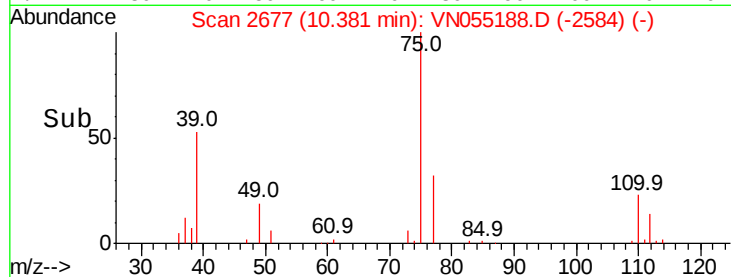
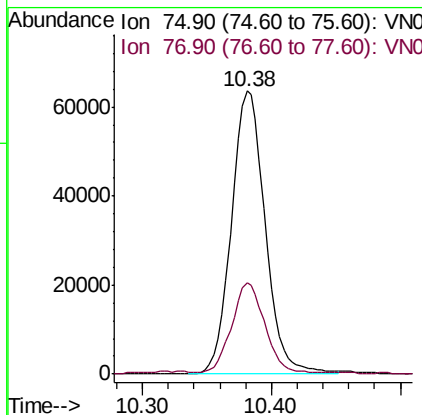
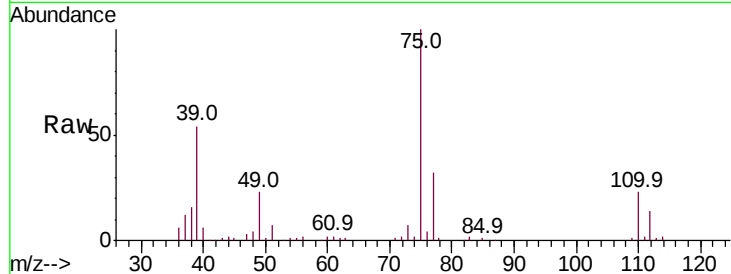
#53  
t-1,3-Dichloropropene  
Concen: 20.106 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0422WBSD01

Tot Ion: 75 Resp: 115686  
Ion Ratio Lower Upper  
75 100  
77 31.6 25.1 37.7

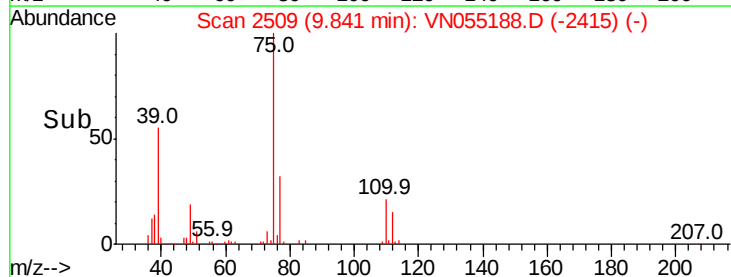
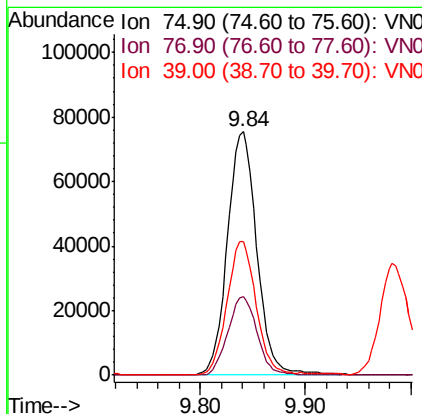
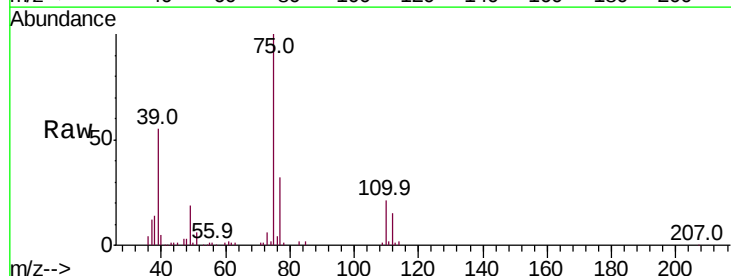
Manual Integrations  
APPROVED

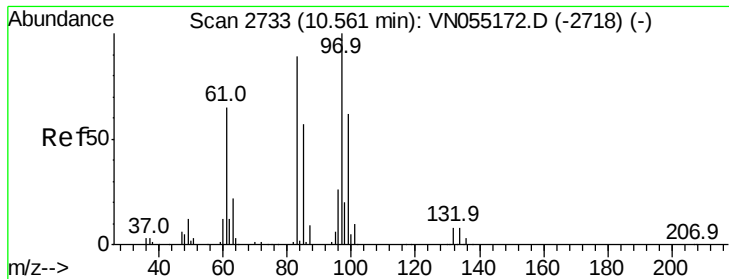
MMDadoda  
4/23/2019 1:47:33 PM



#54  
cis-1,3-Dichloropropene  
Concen: 20.364 ug/l  
RT: 9.84 min Scan# 2509  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

Tgt Ion: 75 Resp: 145398  
Ion Ratio Lower Upper  
75 100  
77 32.3 24.3 36.5  
39 54.9 43.0 64.4





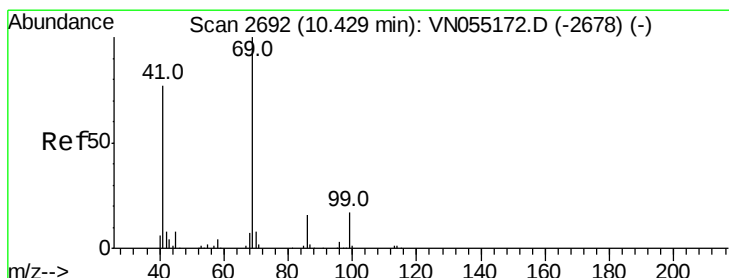
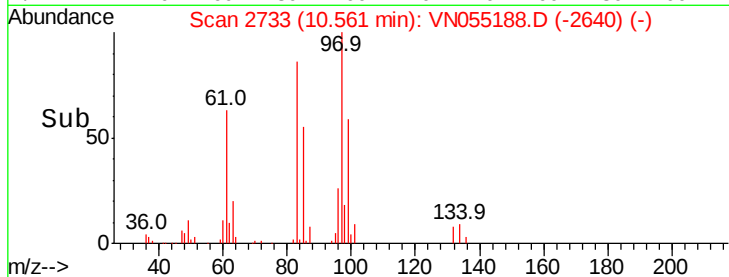
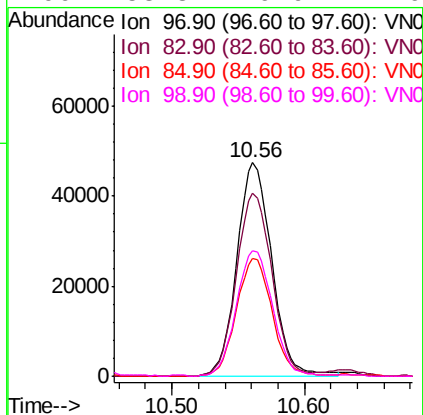
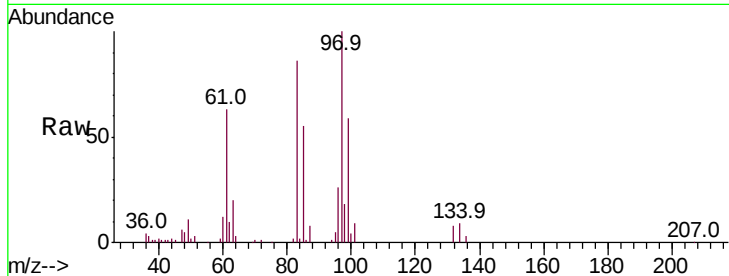
#55  
 1,1,2-Trichloroethane  
 Concen: 20.734 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. 0.00 min  
 Lab File: VN055188.D  
 Acq: 22 Apr 2019 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0422WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 86852 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.0  | 71.5  | 107.3 |
| 85       | 55.2  | 45.8  | 68.6  |
| 99       | 58.8  | 49.9  | 74.9  |

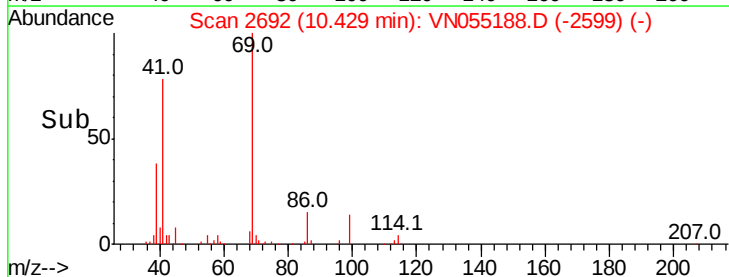
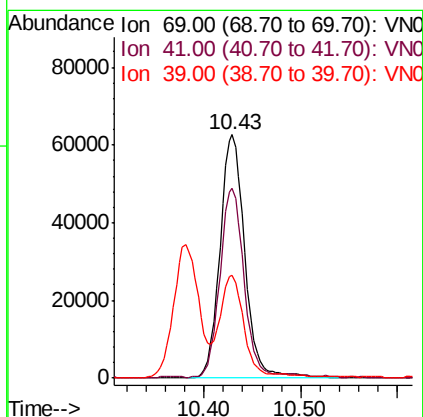
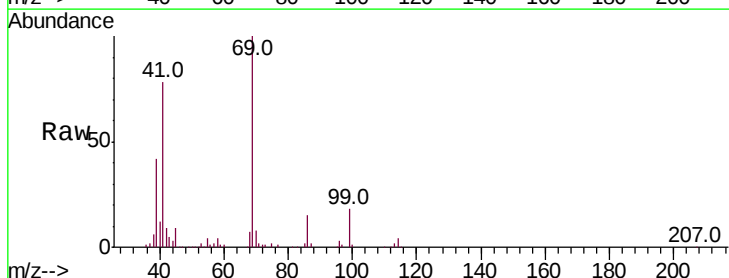
Manual Integrations  
 APPROVED

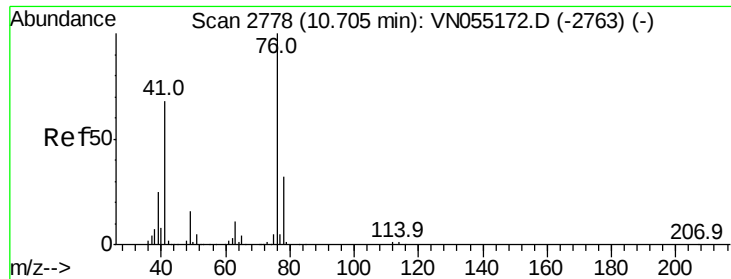
MMDadoda  
 4/23/2019 1:47:33 PM



#56  
 Ethyl methacrylate  
 Concen: 21.407 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN055188.D  
 Acq: 22 Apr 2019 18:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 111707 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 74.6  | 60.6  | 90.8   |
| 39       | 38.2  | 31.7  | 47.5   |





#57

1,3-Dichloropropane

Concen: 20.757 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VN0422WBSD01

Tot Ion: 76 Resp: 151277

Ion Ratio Lower Upper

76 100

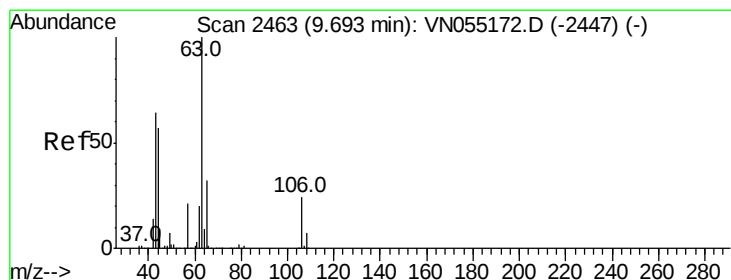
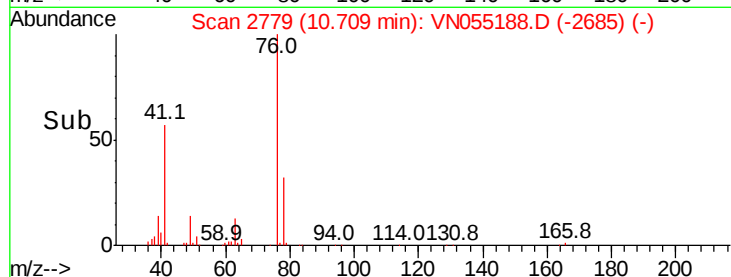
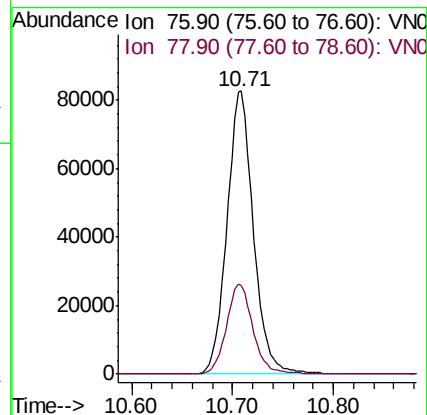
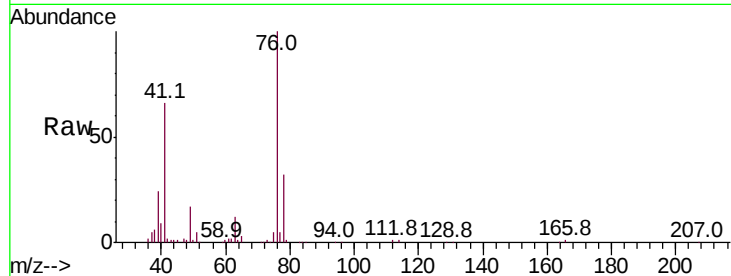
78 32.0 25.3 37.9

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4/23/2019 1:47:33 PM



#58

2-Chloroethyl Vinyl ether

Concen: 96.910 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055188.D

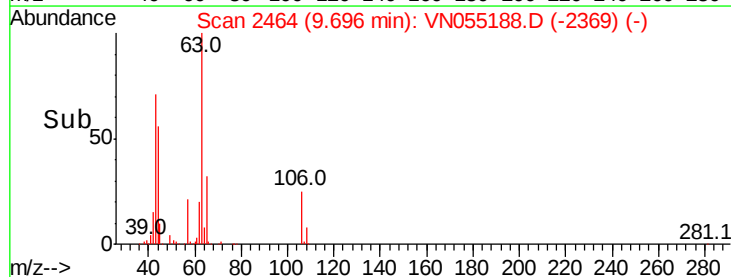
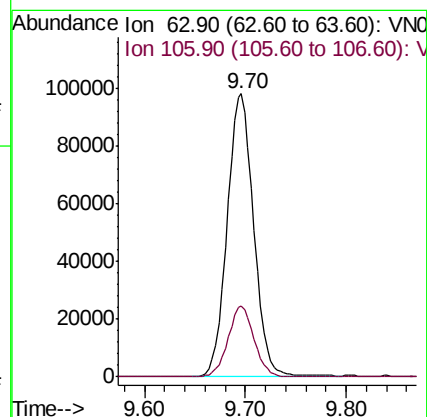
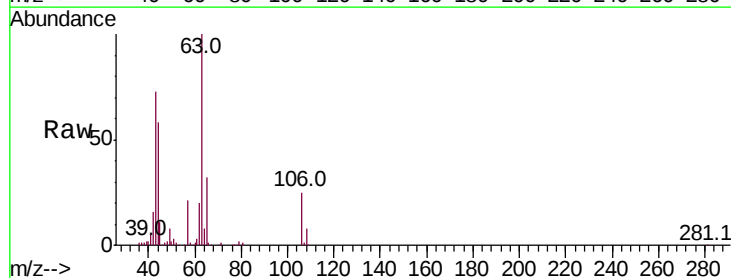
Acq: 22 Apr 2019 18:09

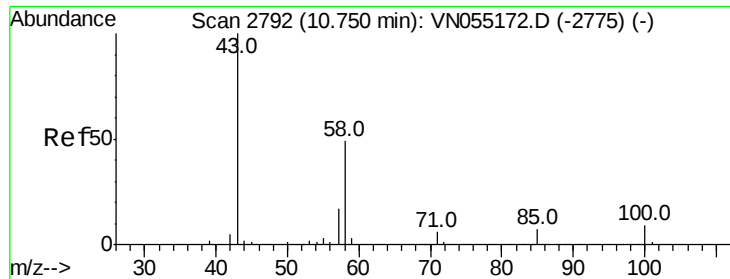
Tgt Ion: 63 Resp: 180310

Ion Ratio Lower Upper

63 100

106 24.6 19.4 29.0





#59

2-Hexanone

Concen: 104.879 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VN0422WBSD01

Tot Ion: 43 Resp: 312781

Ion Ratio Lower Upper

43 100

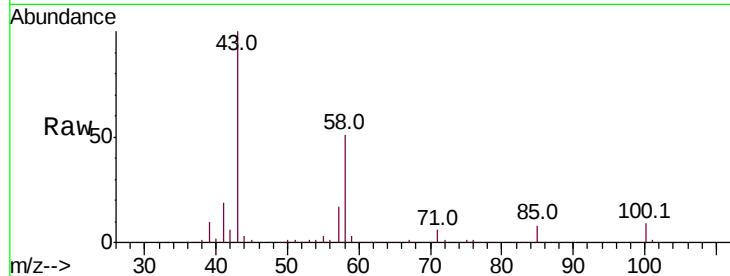
58 49.3 24.5 73.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-2775) (-)

Ion 58.00 (57.70 to 58.70): VN055172.D (-2775) (-)

10.75

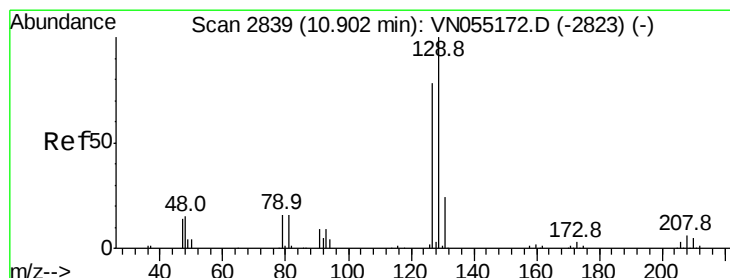
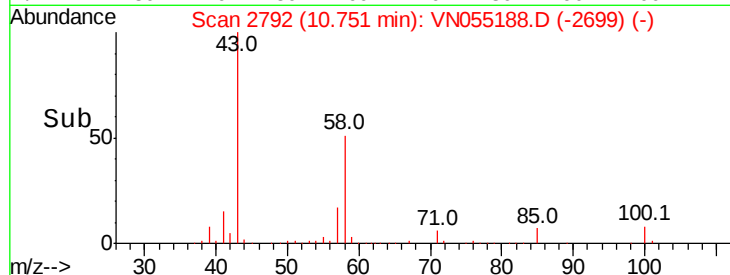
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 20.152 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055188.D

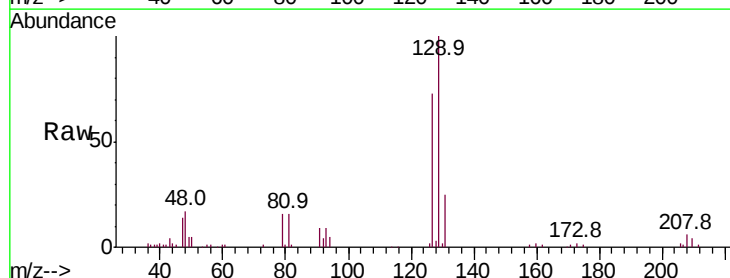
Acq: 22 Apr 2019 18:09

Tgt Ion: 129 Resp: 86947

Ion Ratio Lower Upper

129 100

127 74.5 39.0 117.0



Abundance Ion 128.80 (128.50 to 129.50): VN055172.D (-2823) (-)

Ion 126.80 (126.50 to 127.50): VN055172.D (-2823) (-)

10.90

50000

40000

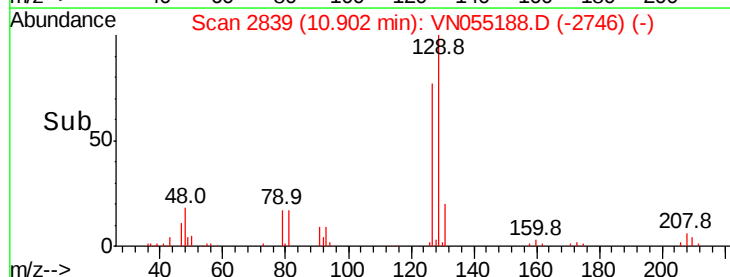
30000

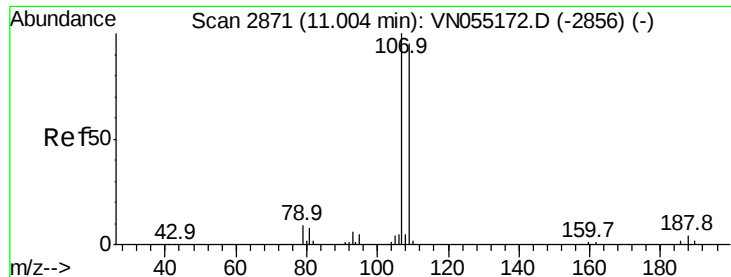
20000

10000

0

Time-->





#61

1,2-Dibromoethane

Concen: 20.841 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampled :

VN0422WBSD01

Tot Ion:107 Resp: 82081

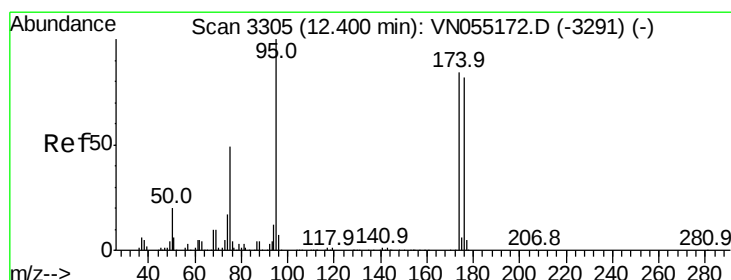
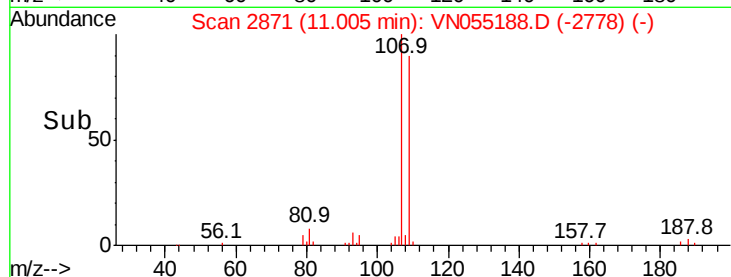
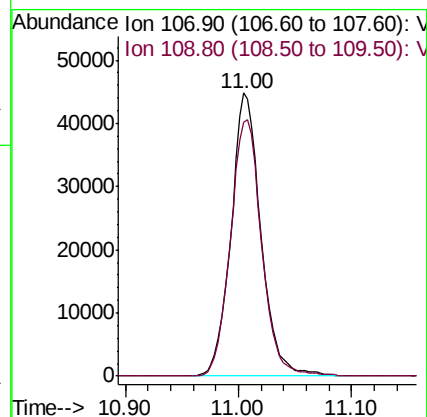
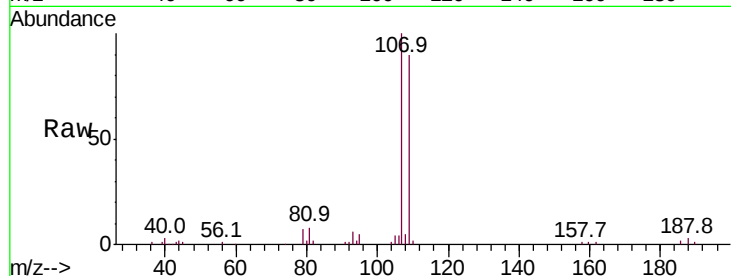
Ion Ratio Lower Upper

107 100

109 94.7 75.8 113.6

Manual Integrations  
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4/23/2019 1:47:33 PM



#62

4-Bromofluorobenzene

Concen: 47.746 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

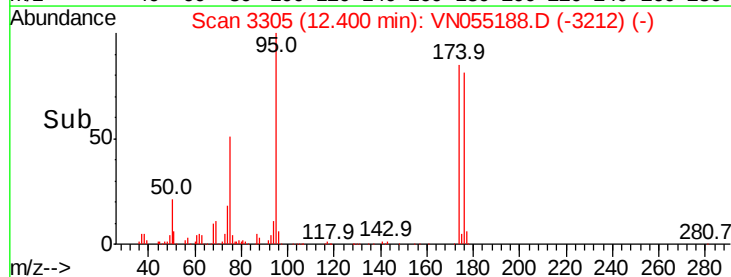
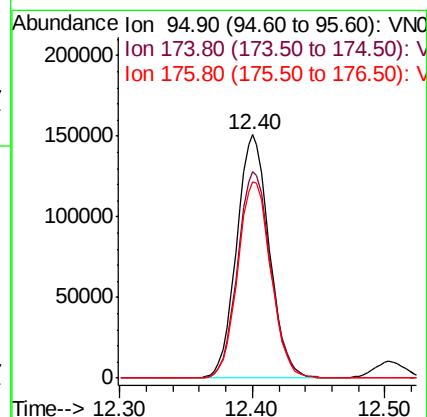
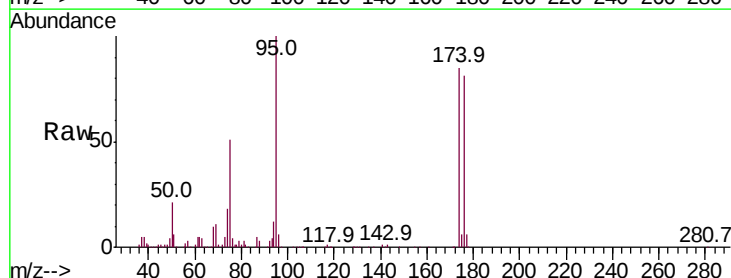
Tgt Ion: 95 Resp: 257442

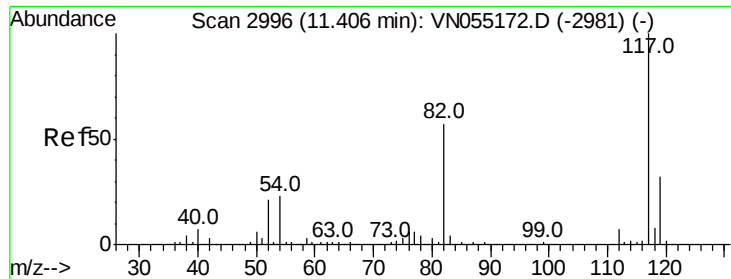
Ion Ratio Lower Upper

95 100

174 86.3 0.0 168.4

176 81.8 0.0 164.0





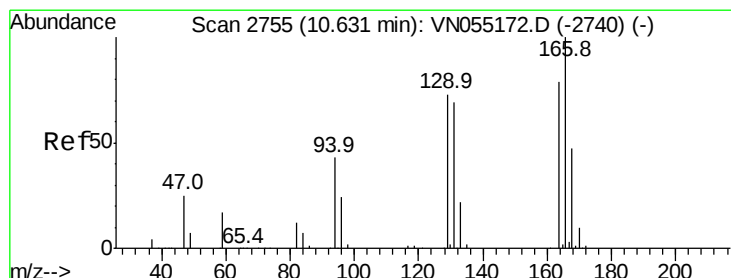
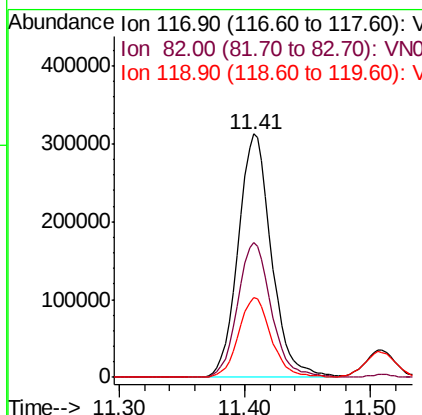
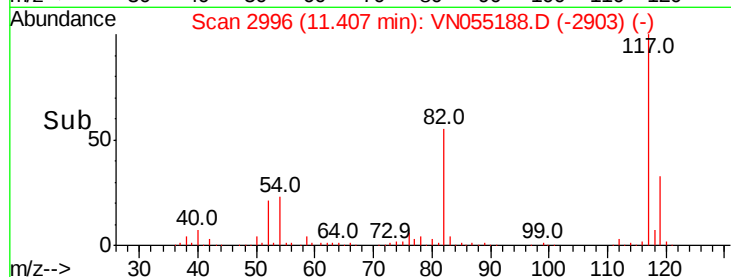
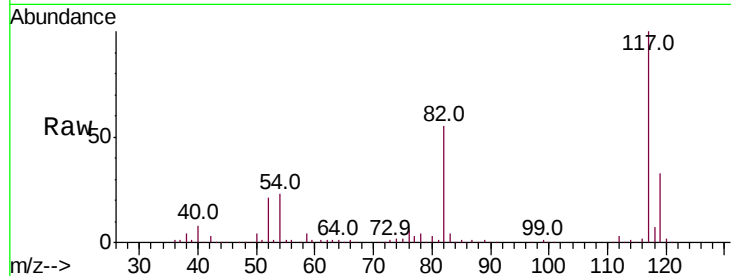
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0422WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 575831 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 55.4  | 45.7  | 68.5   |
| 119       | 32.6  | 25.4  | 38.2   |

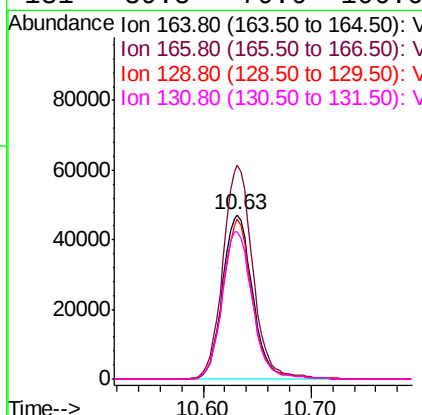
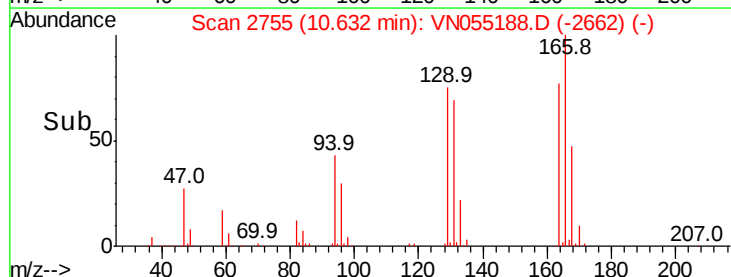
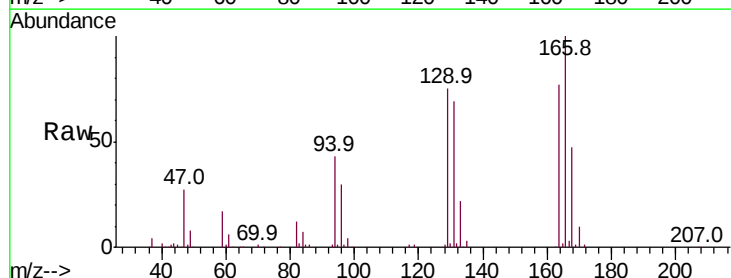
Manual Integrations  
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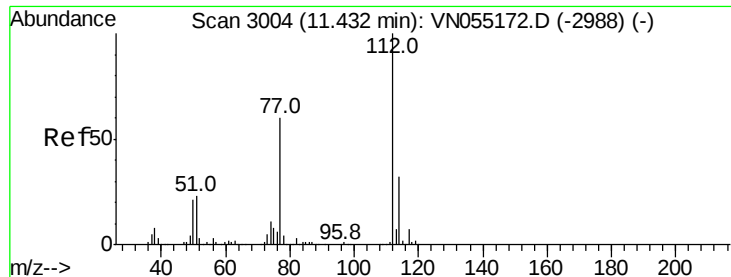
MMDadoda  
4/23/2019 1:47:33 PM



#64  
Tetrachloroethene  
Concen: 19.470 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 91460 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 166       | 129.9 | 101.9 | 152.9 |
| 129       | 97.3  | 74.1  | 111.1 |
| 131       | 89.5  | 70.6  | 106.0 |





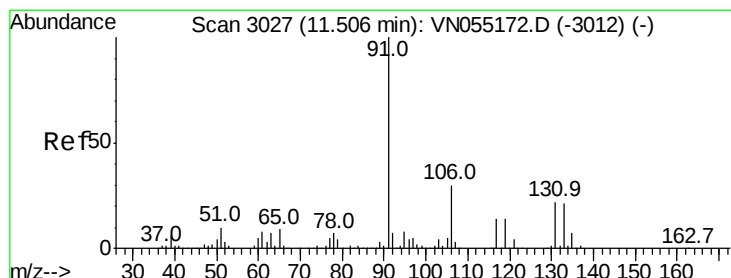
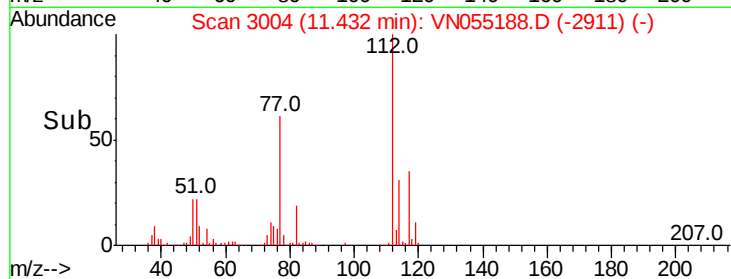
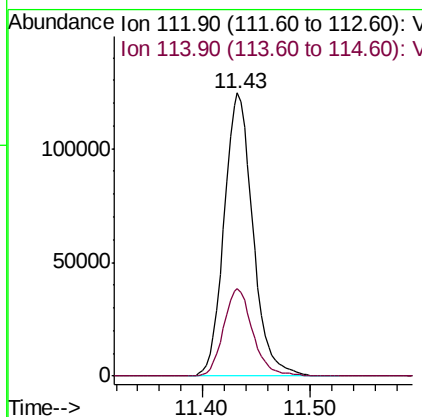
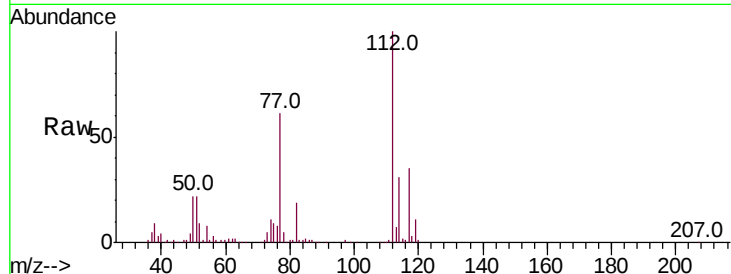
#65  
Chlorobenzene  
Concen: 19.674 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0422WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 30.9  | 25.4  | 38.0  |

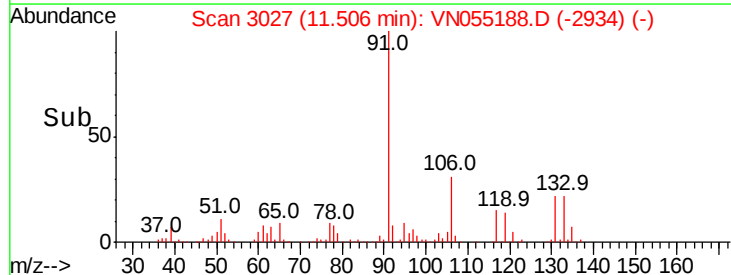
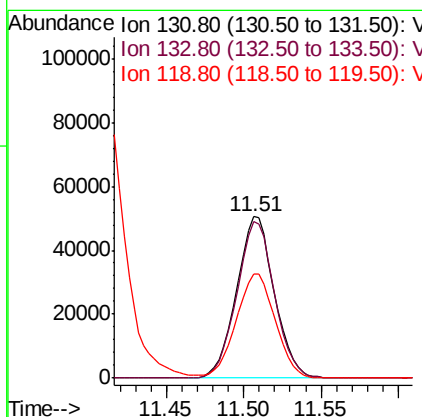
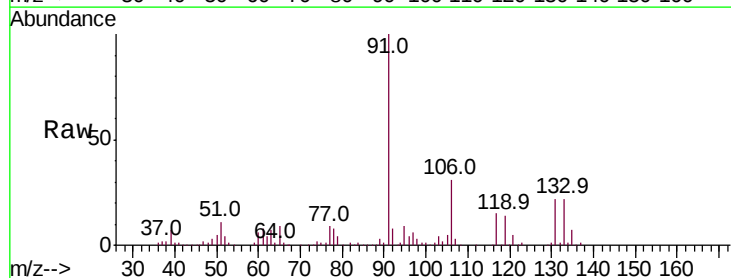
Manual Integrations  
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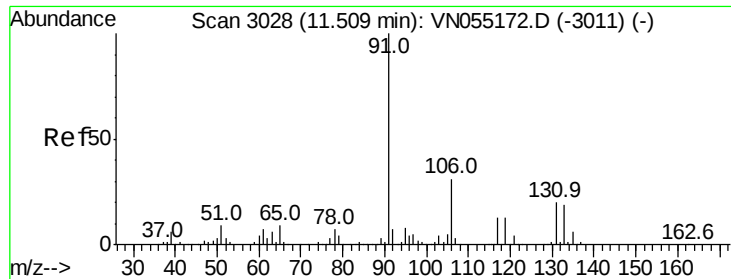
MMDadoda  
4/23/2019 1:47:33 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.621 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 96.7  | 47.7  | 143.1 |
| 119     | 67.0  | 33.2  | 99.6  |





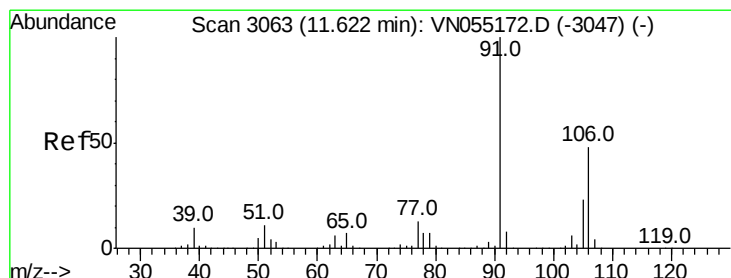
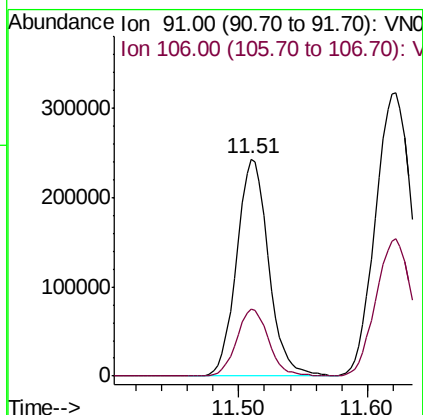
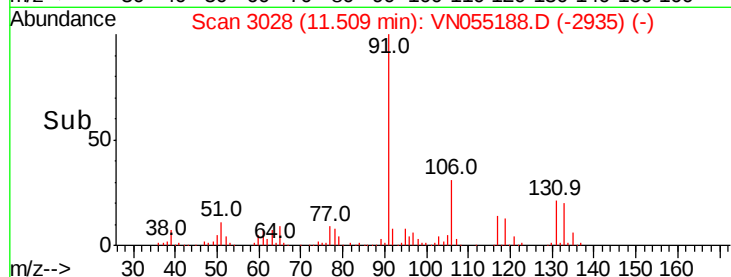
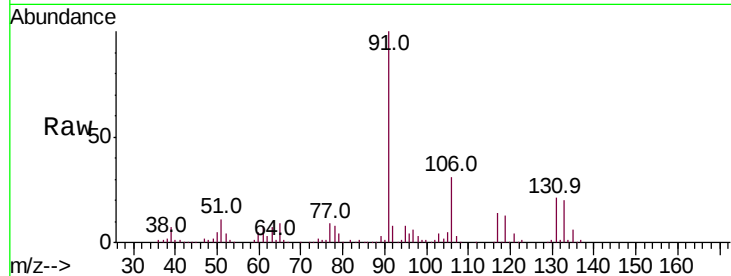
#67  
Ethyl Benzene  
Concen: 20.027 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0422WBSD01

Tot Ion: 91 Resp: 419292  
Ion Ratio Lower Upper  
91 100  
106 30.8 24.5 36.7

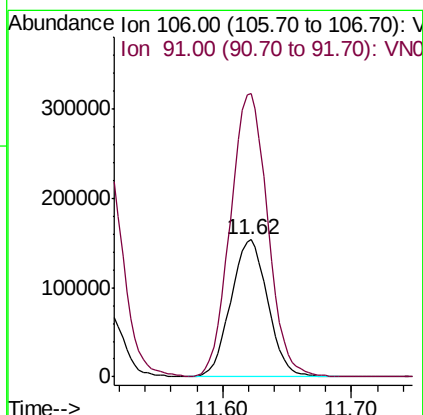
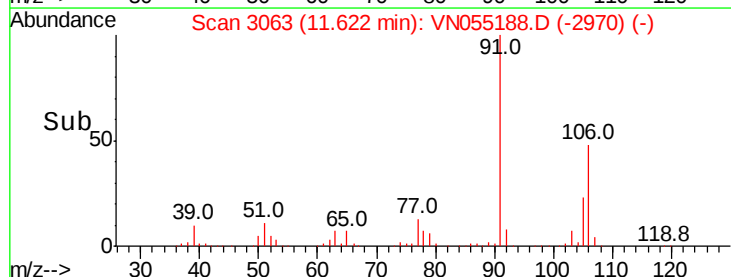
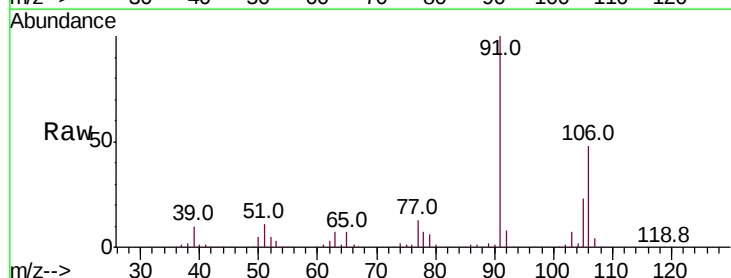
Manual Integrations  
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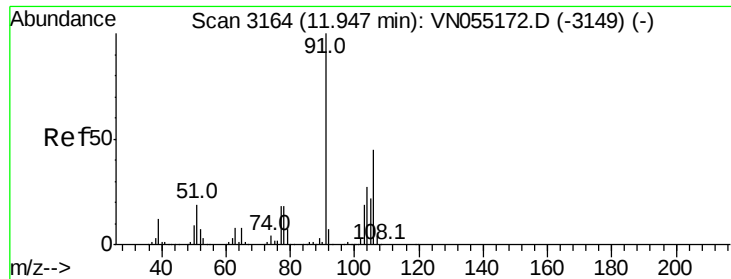
MMDadoda  
4/23/2019 1:47:33 PM



#68  
m/p-Xylenes  
Concen: 40.683 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

Tgt Ion: 106 Resp: 305490  
Ion Ratio Lower Upper  
106 100  
91 209.2 167.1 250.7





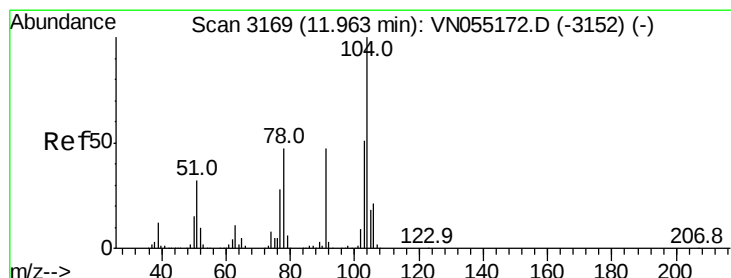
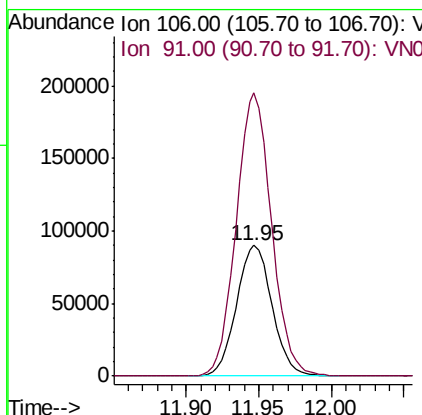
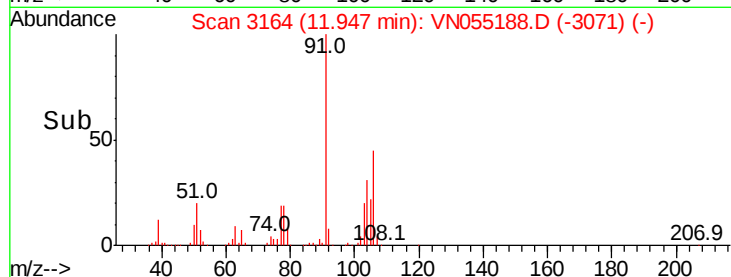
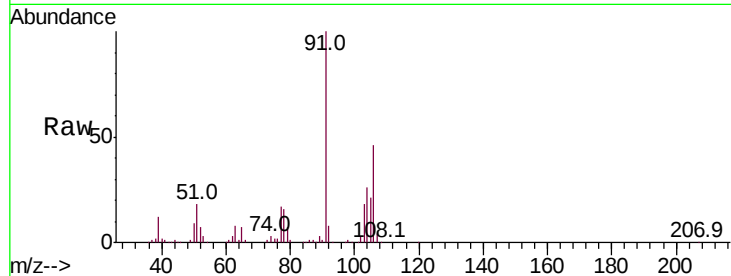
#69  
o-Xylene  
Concen: 20.582 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0422WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 215.2 | 110.6 | 331.8 |

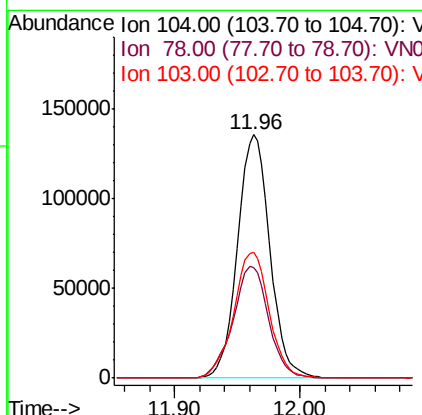
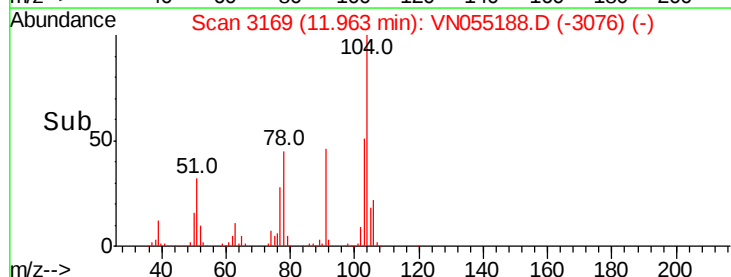
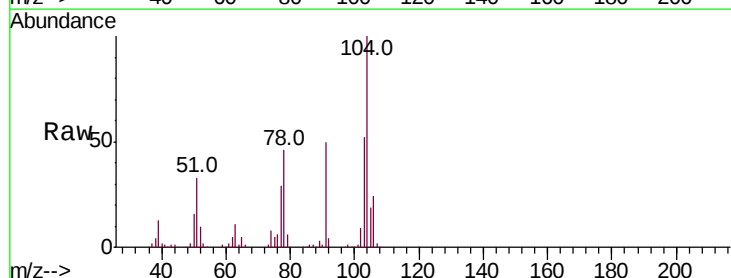
Manual Integrations  
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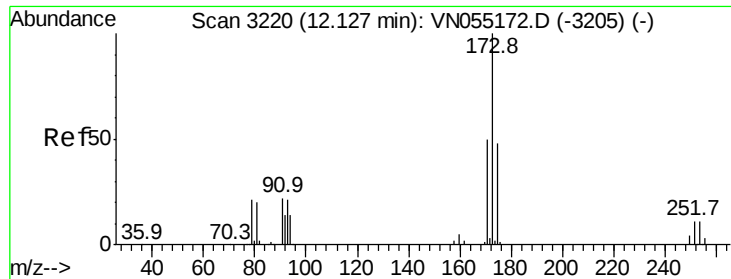
MMDadoda  
4/23/2019 1:47:33 PM



#70  
Styrene  
Concen: 21.061 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 50.6  | 41.3  | 61.9  |
| 103     | 56.8  | 44.2  | 66.4  |





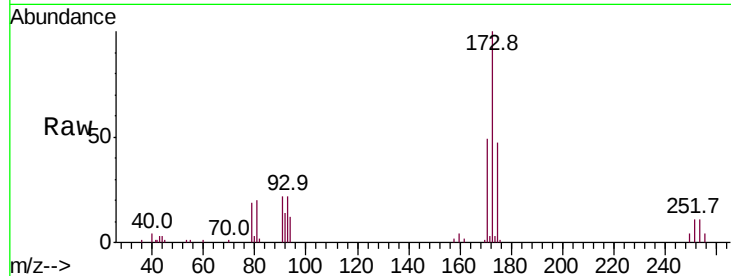
#71  
Bromoform  
Concen: 20.056 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0422WBSD01

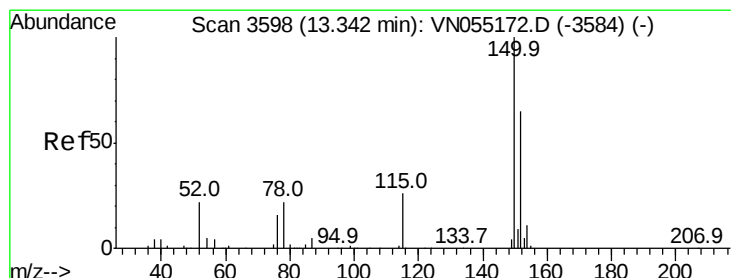
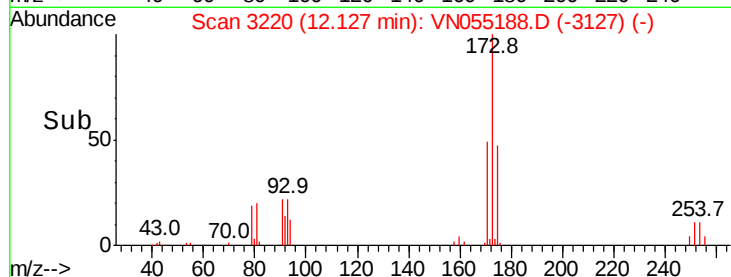
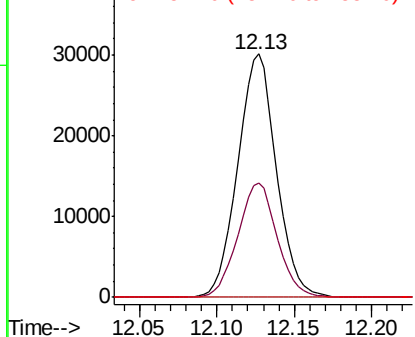
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.8  | 23.8  | 71.2  |
| 254     | 0.0   | 0.1   | 0.1#  |

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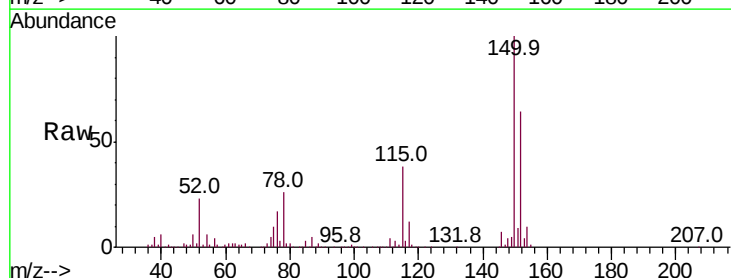


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

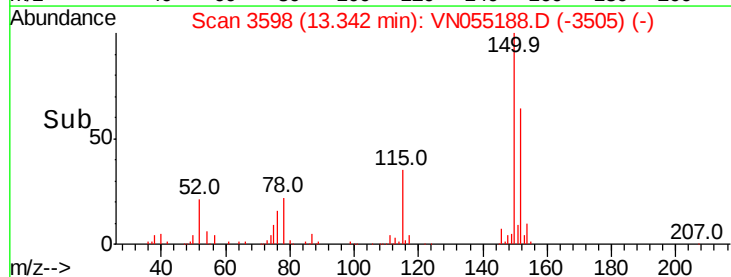
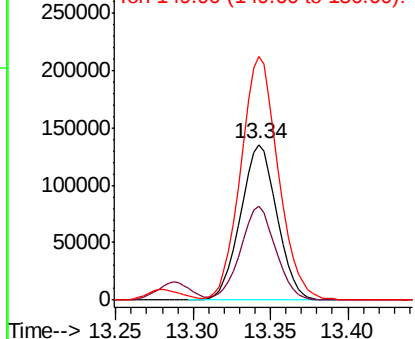


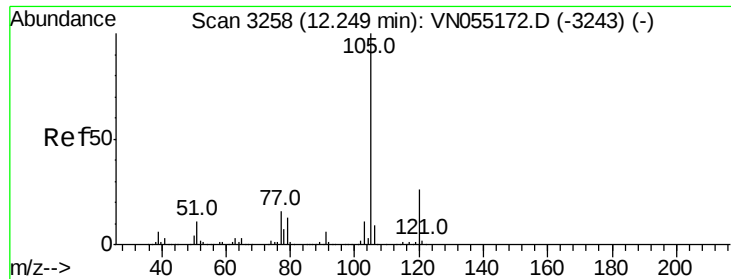
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.3  | 28.9  | 86.7  |
| 150     | 161.4 | 0.0   | 346.6 |



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: 21.130 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampleId :

VN0422WBSD01

Tot Ion:105 Resp: 399680

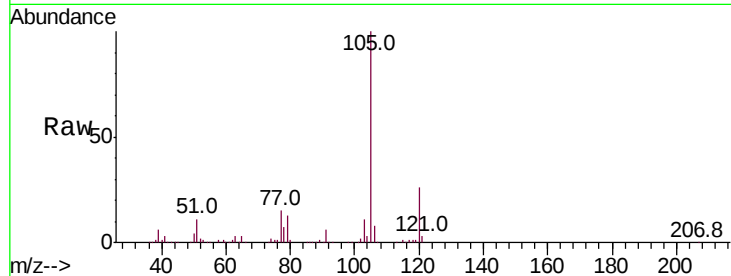
Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1

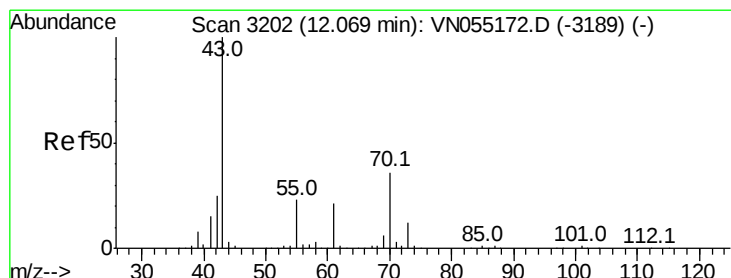
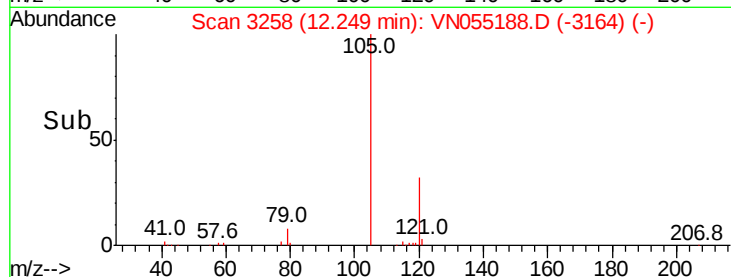
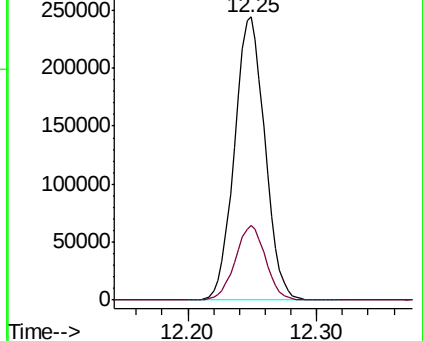
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.449 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

Tgt Ion: 43 Resp: 122625

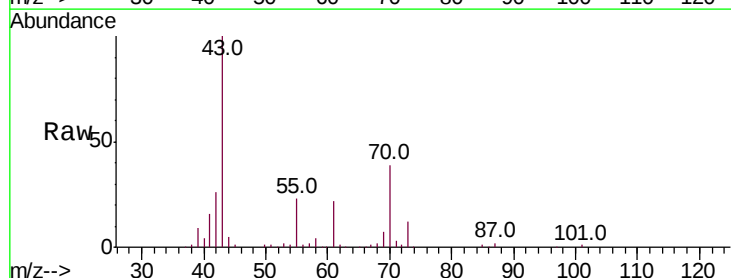
Ion Ratio Lower Upper

43 100

70 36.5 29.0 43.6

55 23.9 18.5 27.7

61 21.3 17.0 25.4

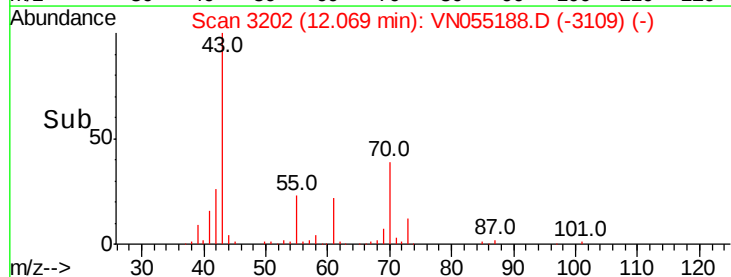
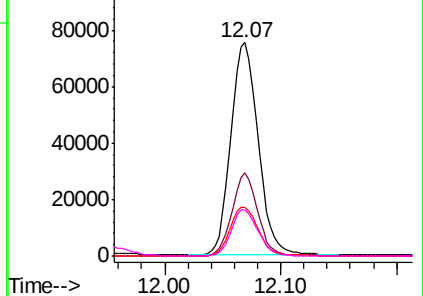


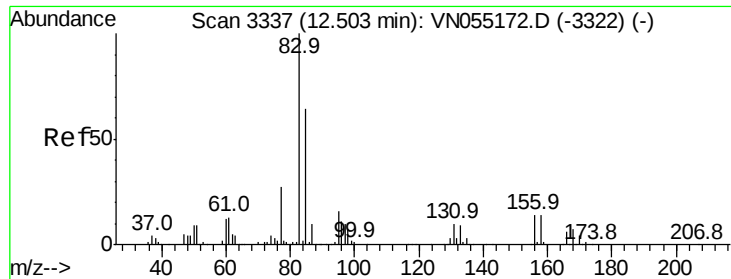
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.979 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

Instrument :

MSVOA\_N

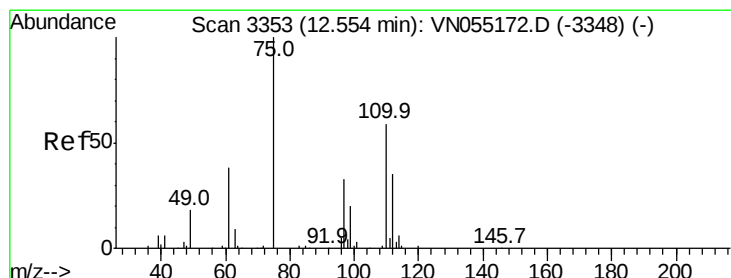
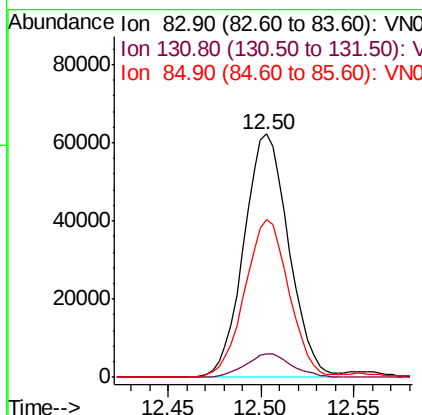
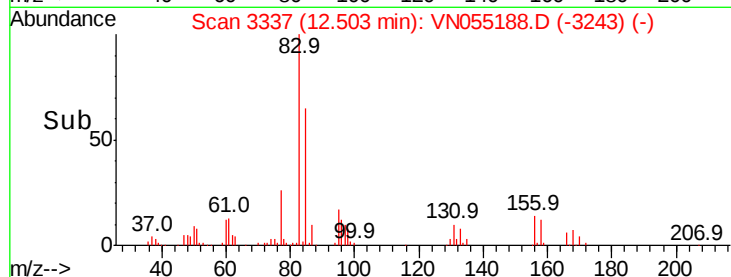
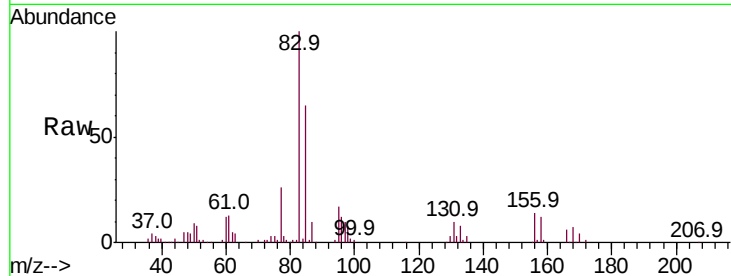
ClientSampleId :

VN0422WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 105286 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.1  | 5.0   | 15.0   |
| 85        | 63.9  | 32.1  | 96.3   |

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#76

1,2,3-Trichloropropane

Concen: 20.101 ug/l m

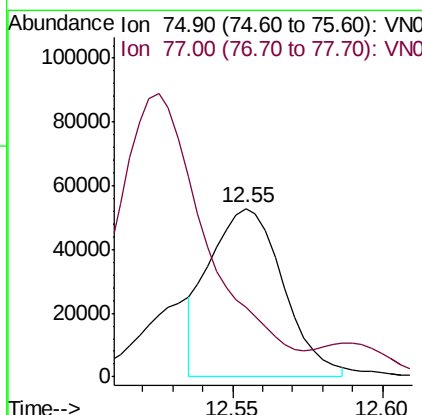
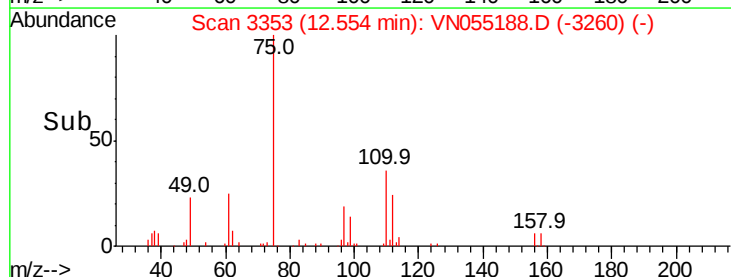
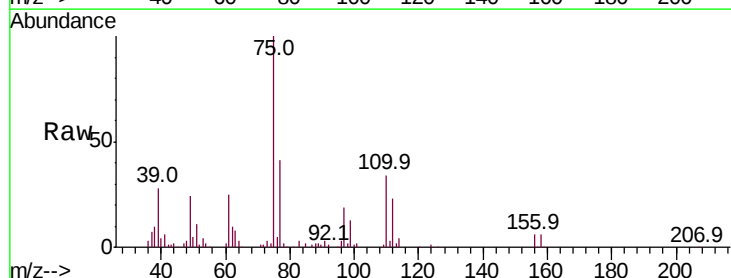
RT: 12.55 min Scan# 3353

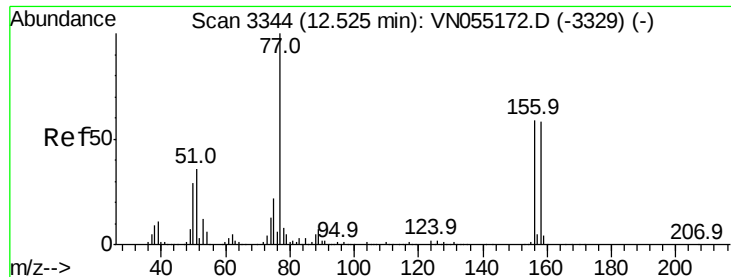
Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 90426 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 19.373 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

Instrument :

MSVOA\_N

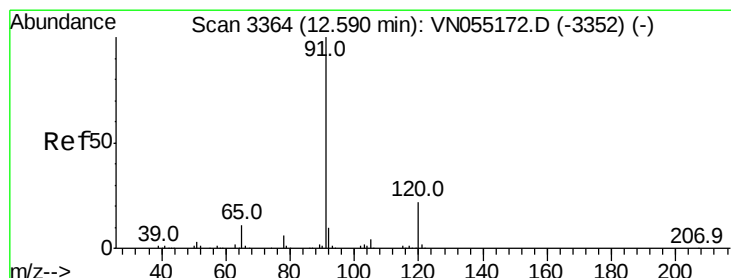
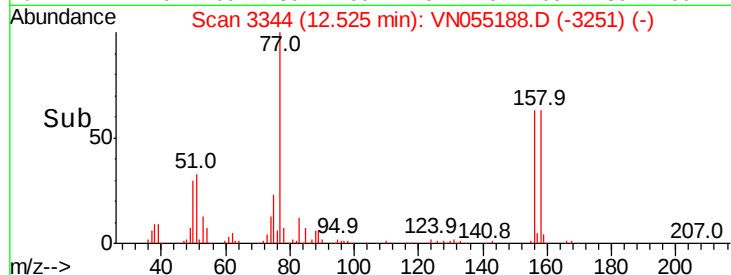
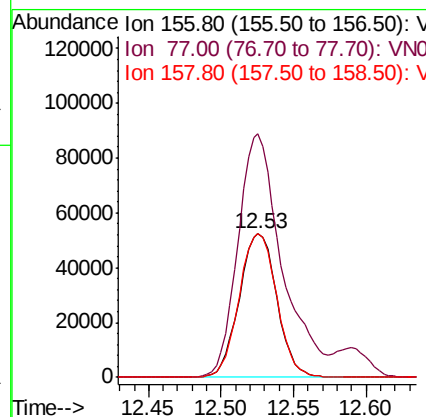
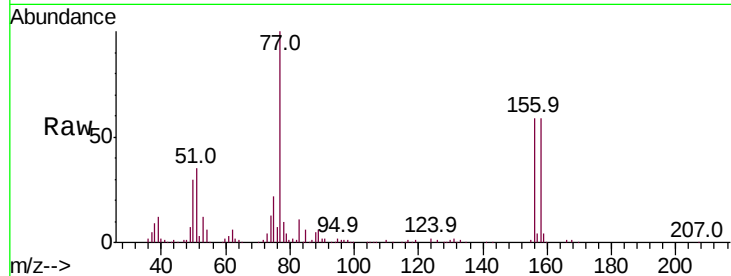
ClientSampleId :

VN0422WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 156   | Resp: | 94835 |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 198.3 | 98.0  | 293.9 |
| 158      | 99.8  | 48.9  | 146.8 |

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#78

n-propylbenzene

Concen: 19.348 ug/l

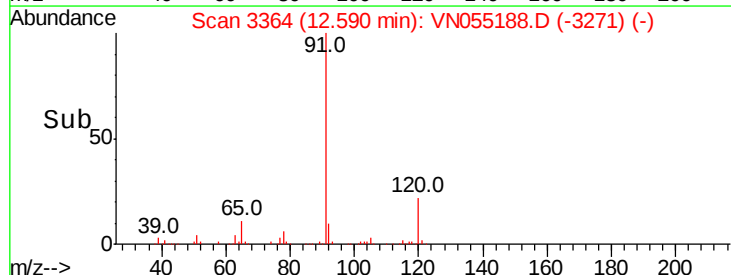
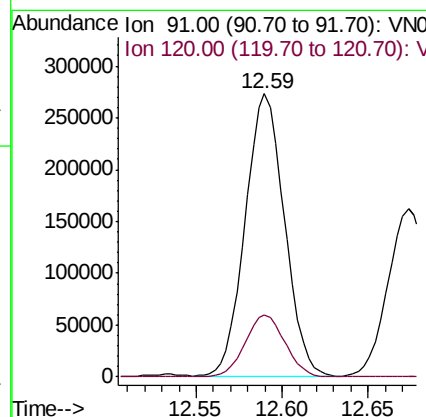
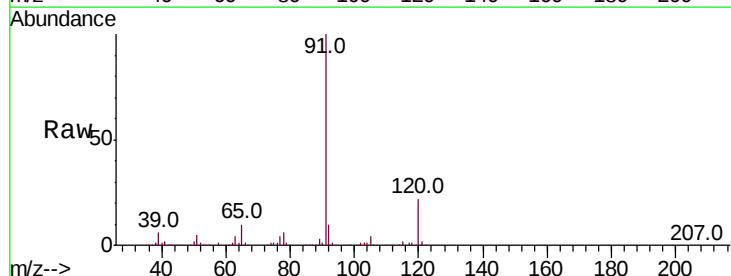
RT: 12.59 min Scan# 3364

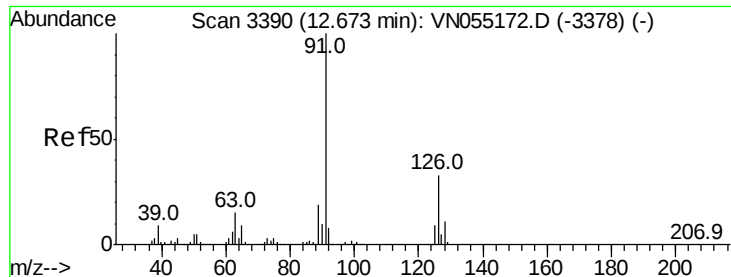
Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 430256 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 120      | 22.4  | 11.3  | 33.9   |





#79

2-Chlorotoluene

Concen: 19.371 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

Instrument :

MSVOA\_N

ClientSampled :

VN0422WBSD01

Tot Ion: 91 Resp: 272004

Ion Ratio Lower Upper

91 100

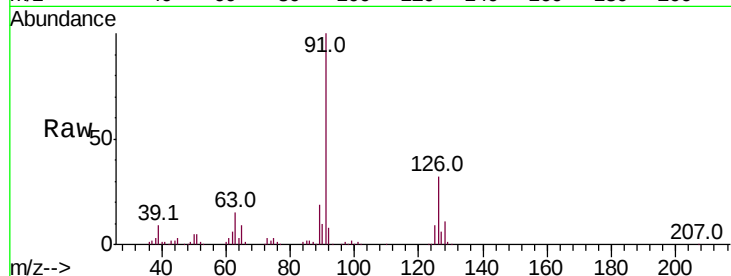
126 32.7 16.8 50.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055172.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055172.D (-3378) (-)

250000

200000

150000

100000

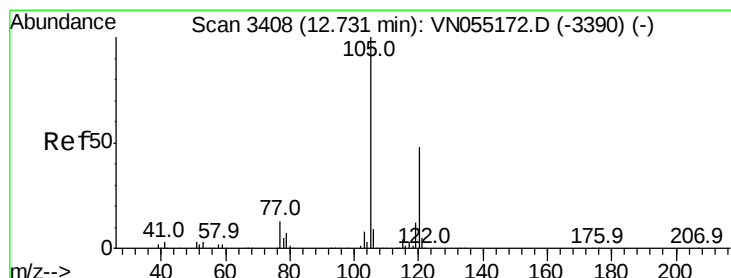
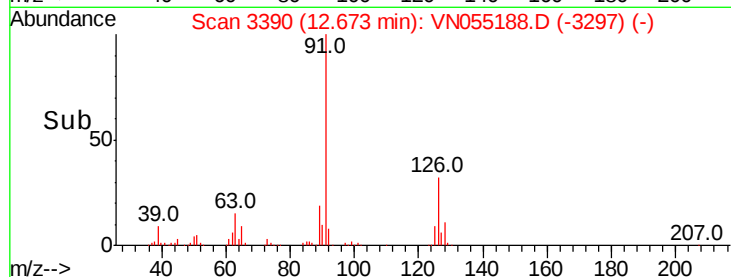
50000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.632 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055188.D

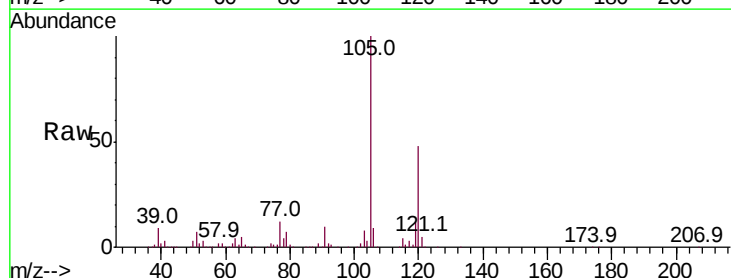
Acq: 22 Apr 2019 18:09

Tgt Ion:105 Resp: 325883

Ion Ratio Lower Upper

105 100

120 47.3 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN055172.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055172.D (-3390) (-)

200000

150000

100000

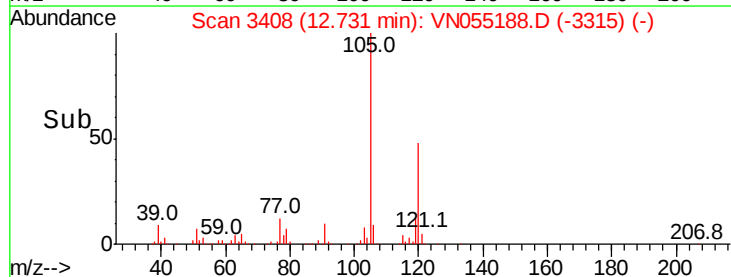
50000

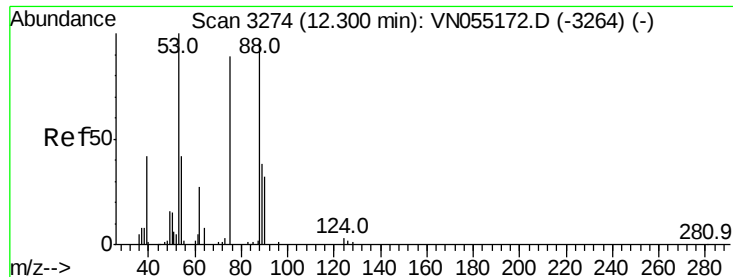
0

12.65 12.70 12.75 12.80

12.73

Time-->





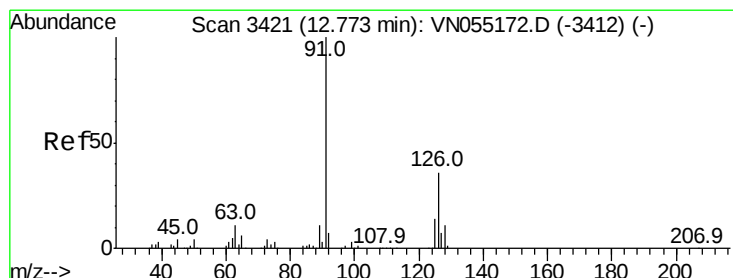
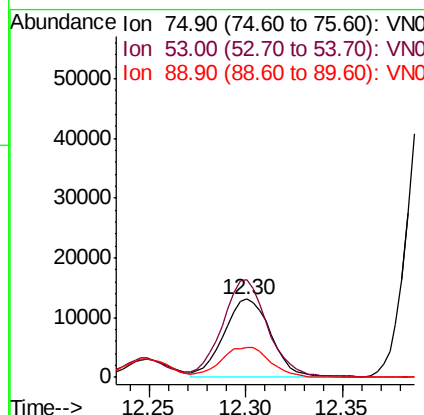
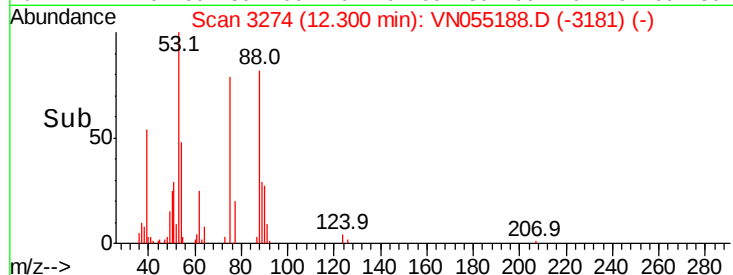
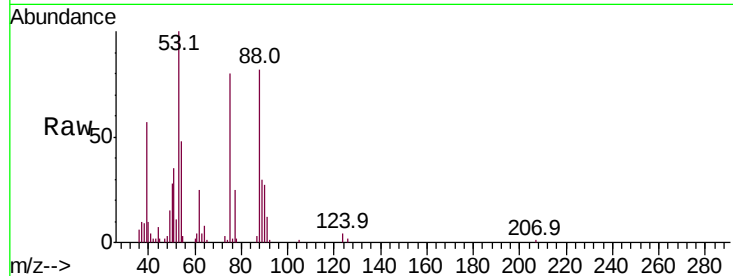
#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.669 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0422WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 118.4 | 90.1  | 135.1 |
| 89      | 40.3  | 36.7  | 55.1  |

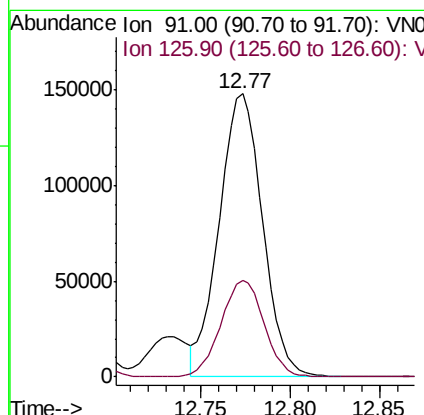
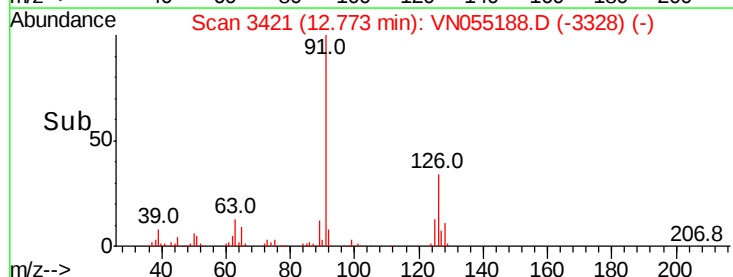
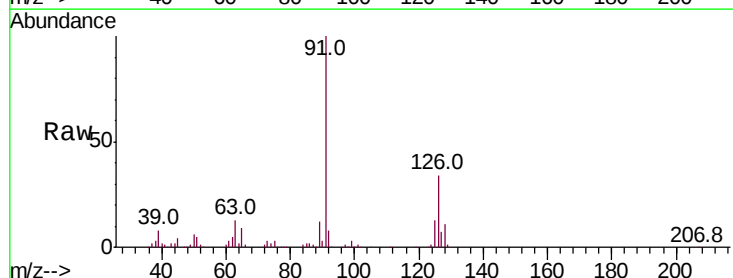
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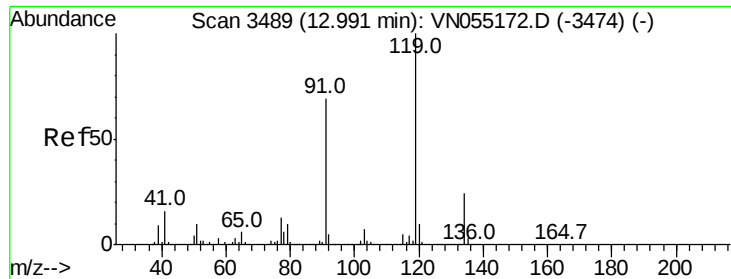
MMDadoda  
4/23/2019 1:47:33 PM



#82  
4-Chlorotoluene  
Concen: 19.266 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.1  | 16.5  | 49.5  |





#83

tert-Butylbenzene

Concen: 21.150 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

Instrument :

MSVOA\_N

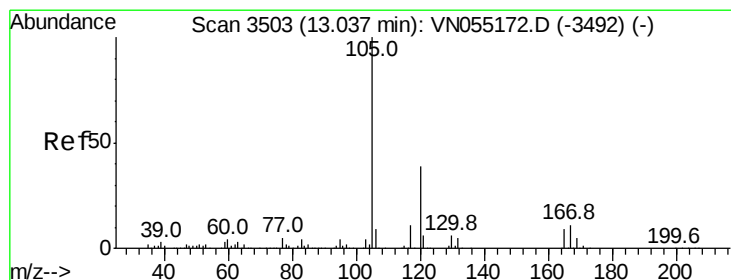
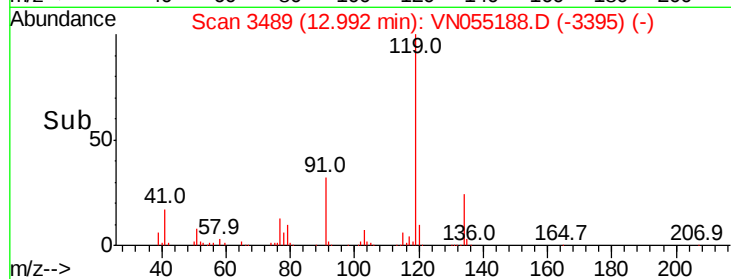
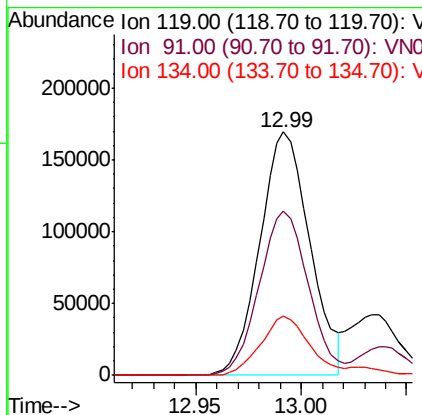
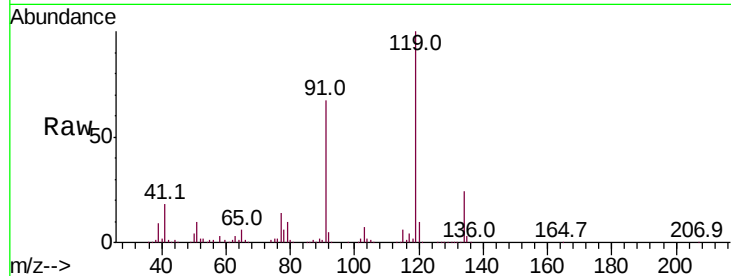
ClientSampleId :

VN0422WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 279634 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 66.5  | 33.8  | 101.3  |
| 134       | 23.6  | 13.2  | 39.5   |

Manual Integrations  
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4/23/2019 1:47:33 PM



#84

1,2,4-Trimethylbenzene

Concen: 19.609 ug/l

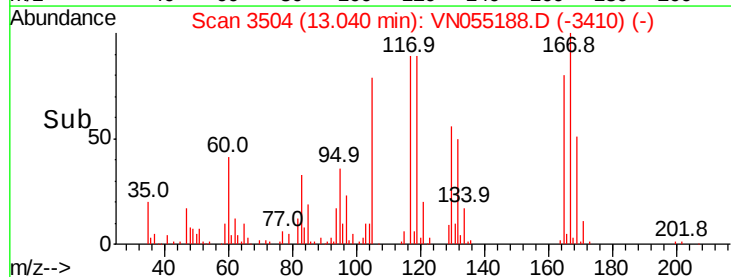
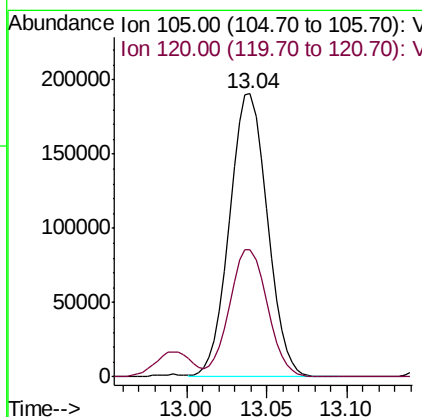
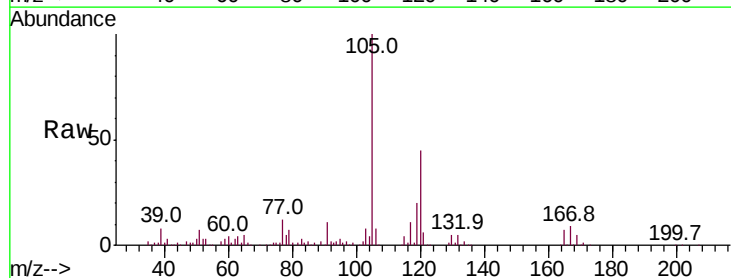
RT: 13.04 min Scan# 3504

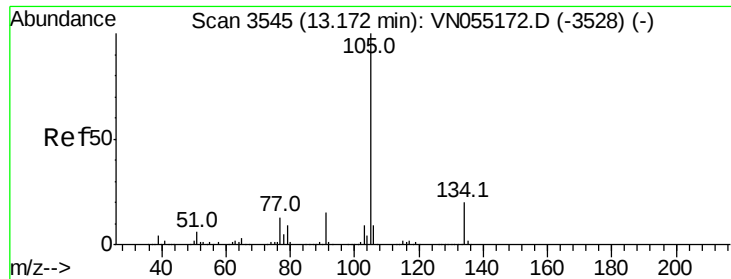
Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 307162 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 45.2  | 22.7  | 68.1   |





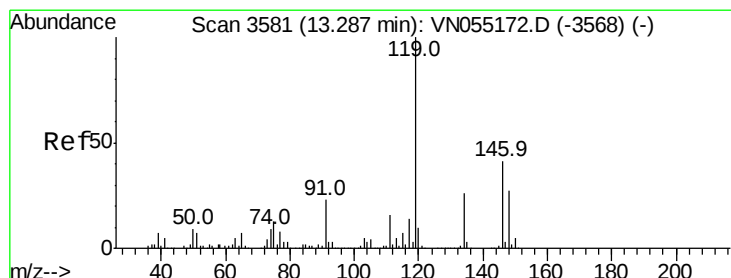
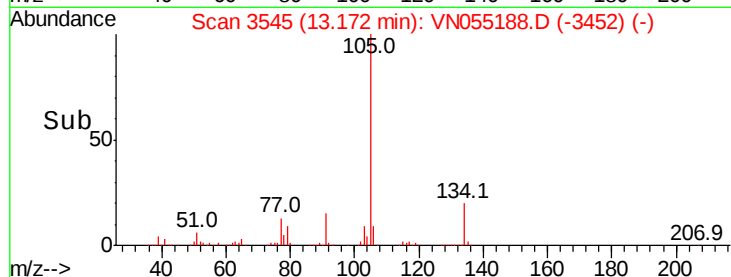
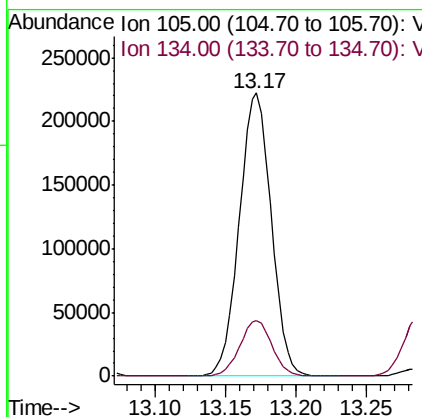
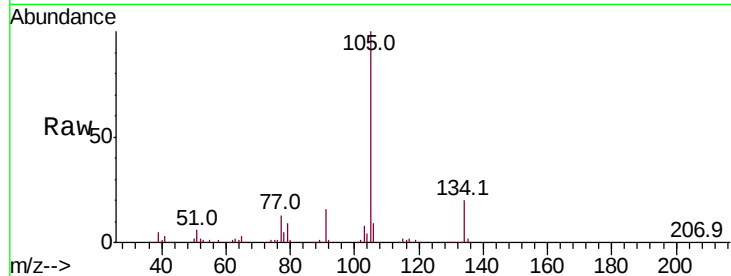
#85  
 sec-Butylbenzene  
 Concen: 18.817 ug/l  
 RT: 13.17 min Scan# 3545  
 Delta R.T. 0.00 min  
 Lab File: VN055188.D  
 Acq: 22 Apr 2019 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0422WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.7  | 10.0  | 30.0  |

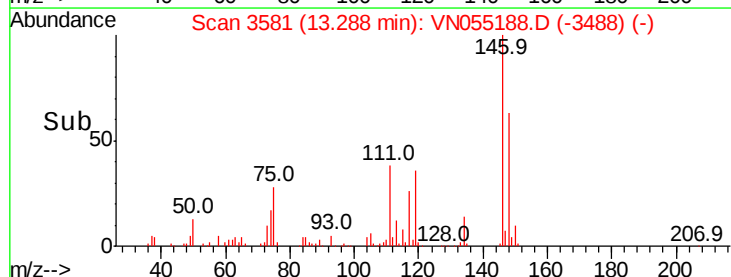
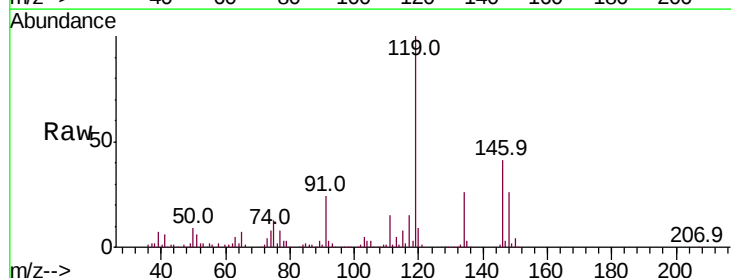
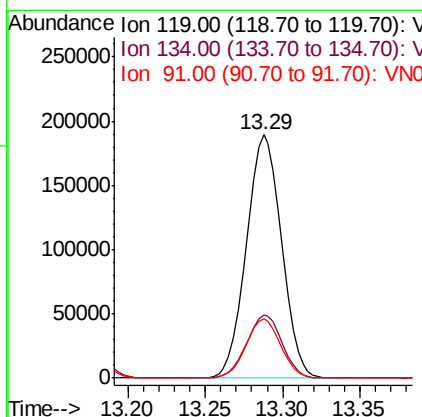
Manual Integrations  
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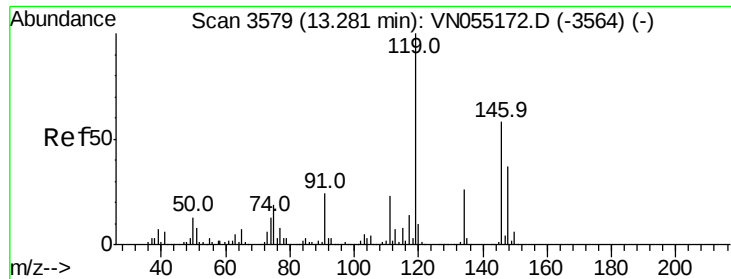
MMDadoda  
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#86  
 p-Isopropyltoluene  
 Concen: 19.399 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN055188.D  
 Acq: 22 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.2  | 13.1  | 39.3  |
| 91      | 24.2  | 11.8  | 35.3  |





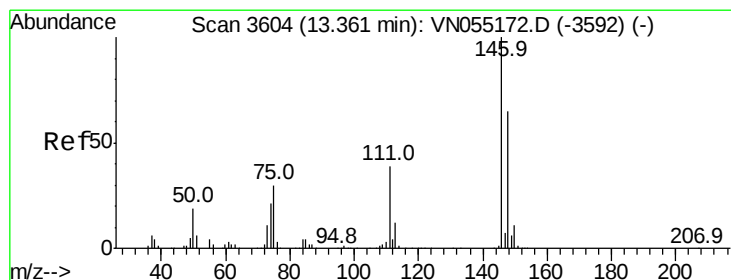
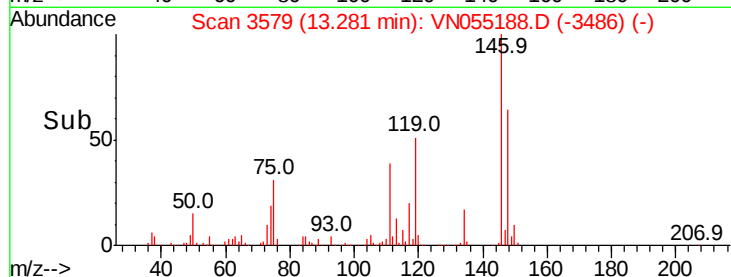
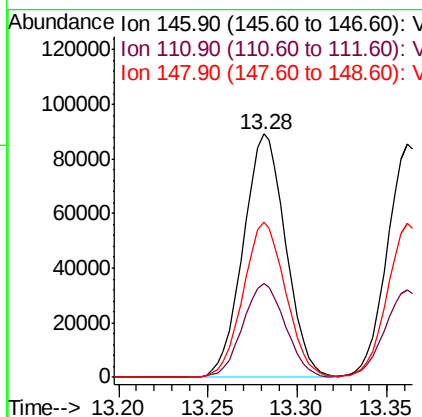
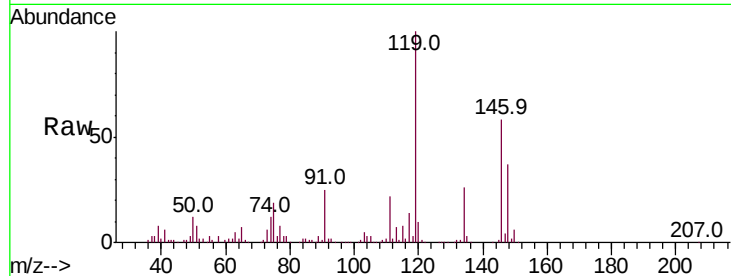
#87  
 1,3-Dichlorobenzene  
 Concen: 19.760 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN055188.D  
 Acq: 22 Apr 2019 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0422WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.6  | 19.7  | 59.1  |
| 148     | 63.9  | 32.0  | 96.0  |

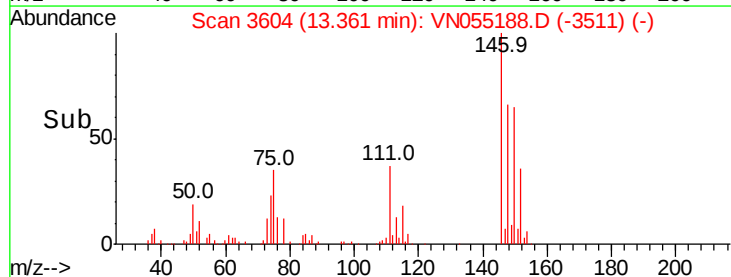
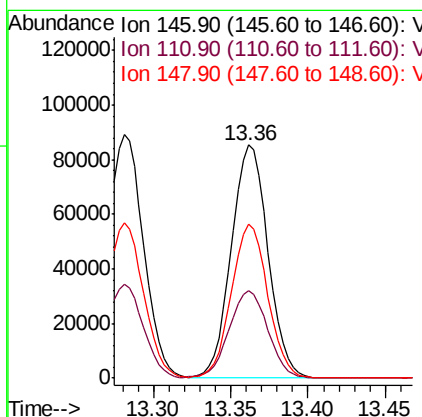
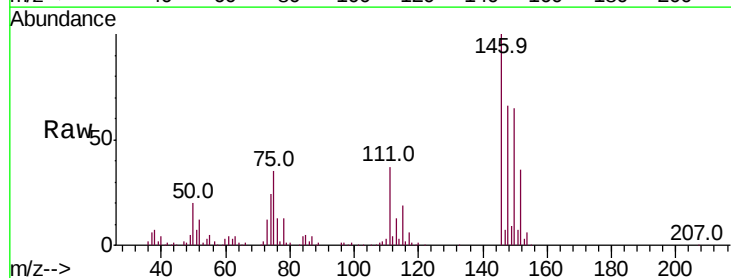
Manual Integrations  
 APPROVED

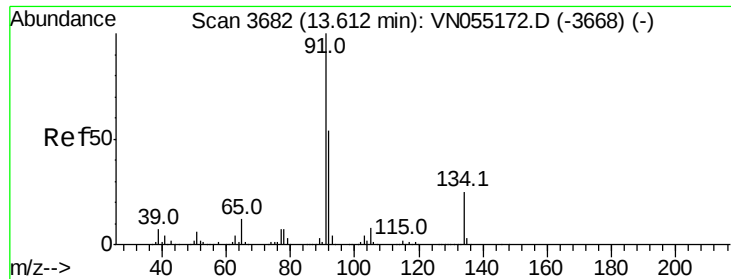
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 19.228 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. 0.00 min  
 Lab File: VN055188.D  
 Acq: 22 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.6  | 19.4  | 58.2  |
| 148     | 65.4  | 32.9  | 98.6  |





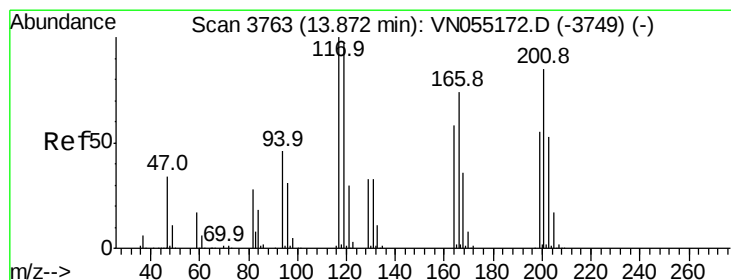
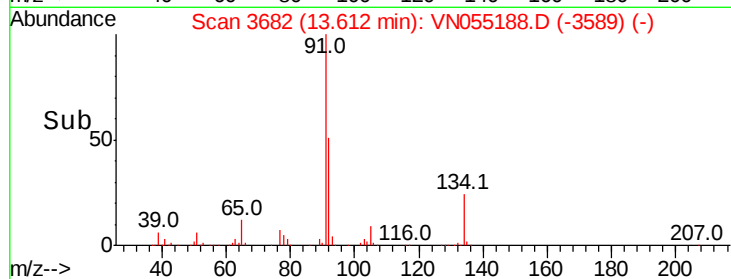
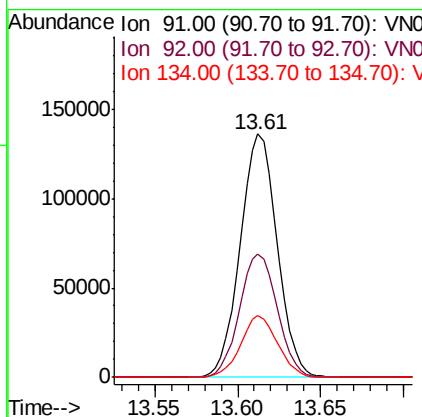
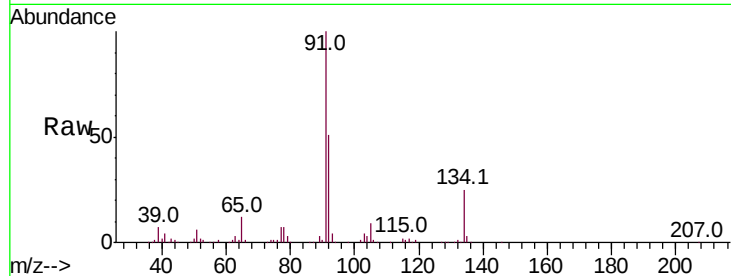
#89  
n-Butylbenzene  
Concen: 18.407 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0422WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.8  | 26.4  | 79.2  |
| 134     | 25.2  | 12.8  | 38.4  |

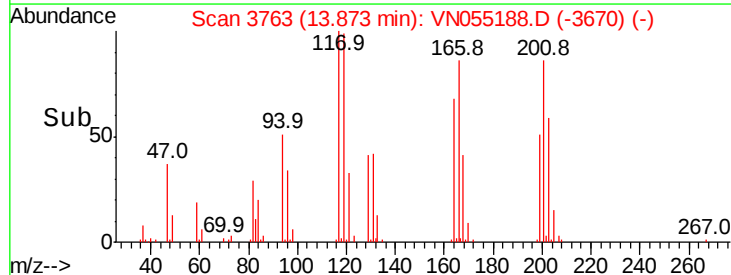
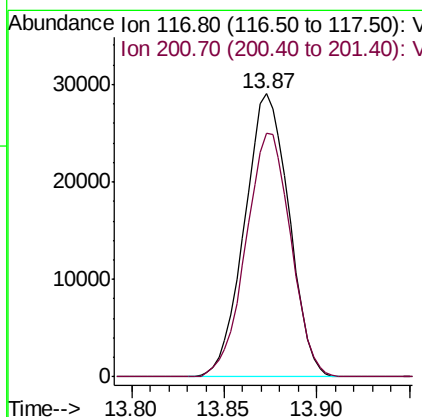
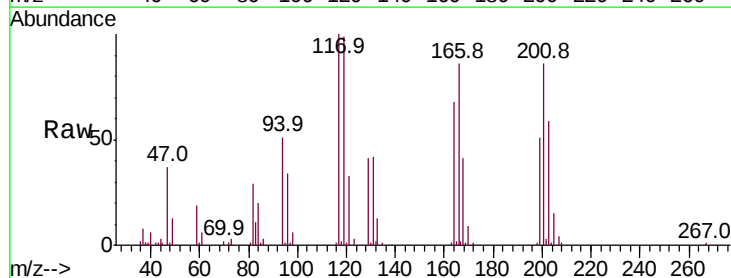
Manual Integrations  
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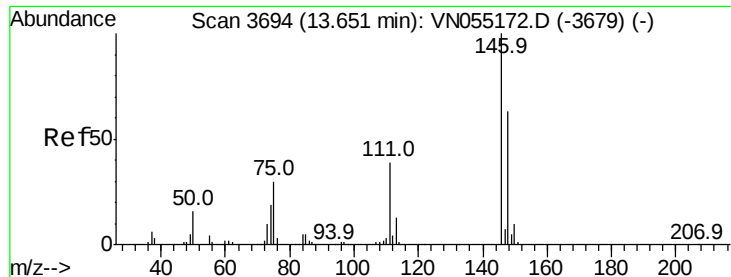
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#90  
Hexachloroethane  
Concen: 17.638 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN055188.D  
Acq: 22 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 86.9  | 43.1  | 129.4 |





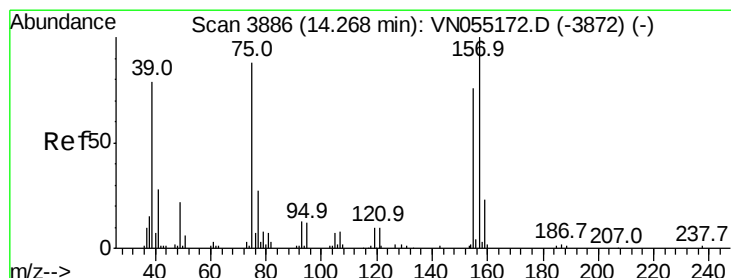
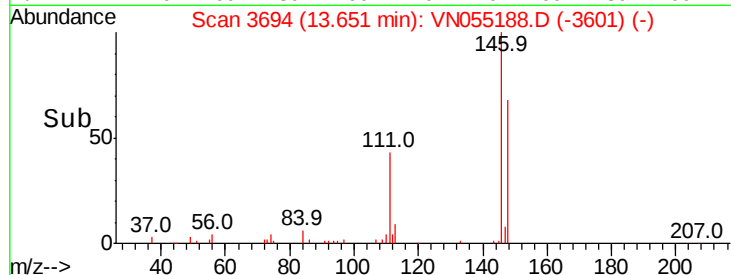
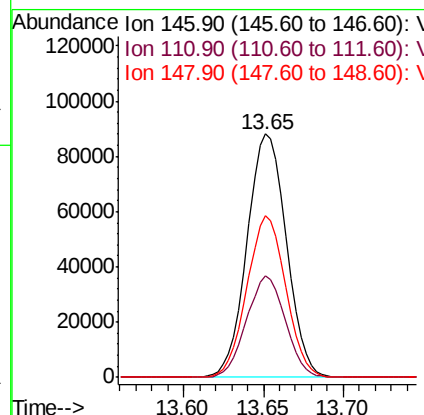
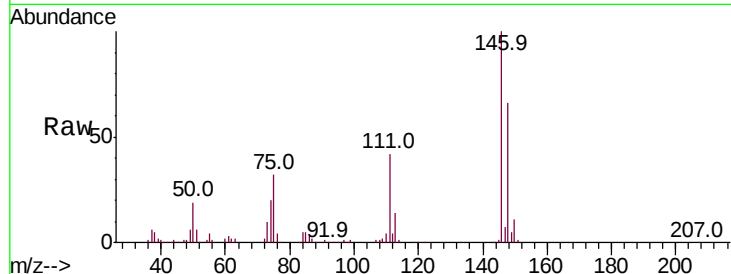
#91  
 1,2-Dichlorobenzene  
 Concen: 19.211 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN055188.D  
 Acq: 22 Apr 2019 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0422WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.1  | 19.8  | 59.3  |
| 148     | 65.5  | 31.7  | 95.1  |

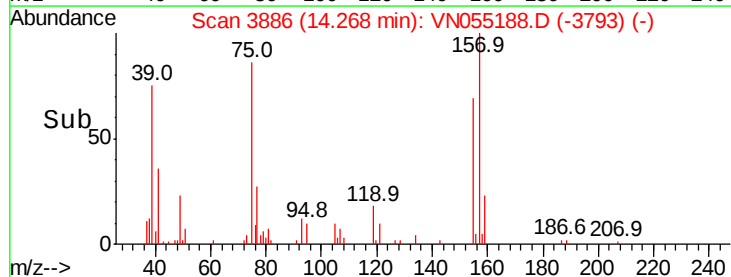
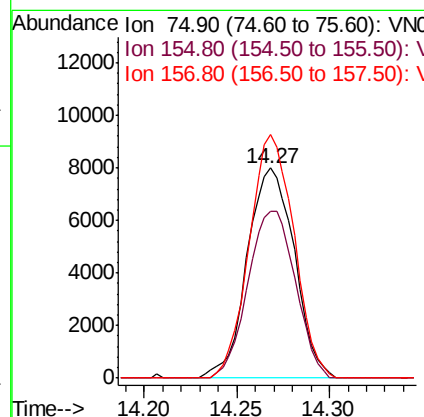
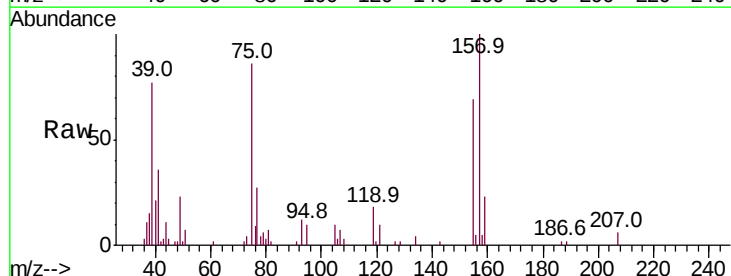
Manual Integrations  
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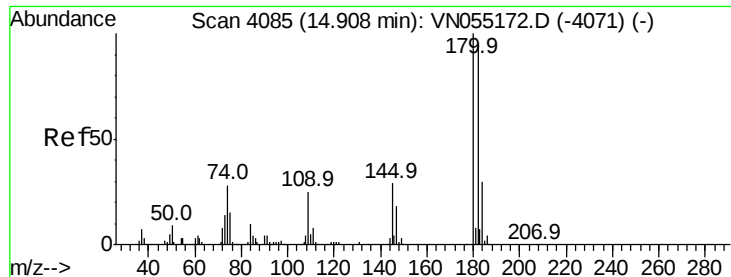
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.936 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. 0.00 min  
 Lab File: VN055188.D  
 Acq: 22 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 79.9  | 43.0  | 129.0 |
| 157     | 110.0 | 55.7  | 167.1 |





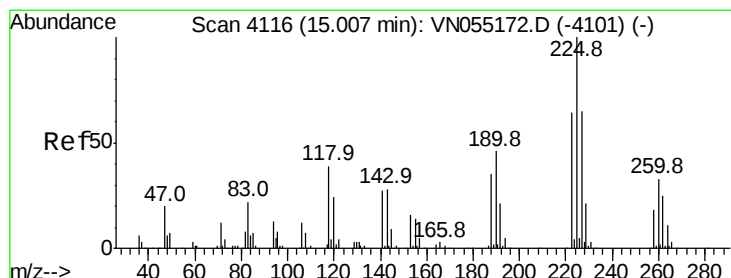
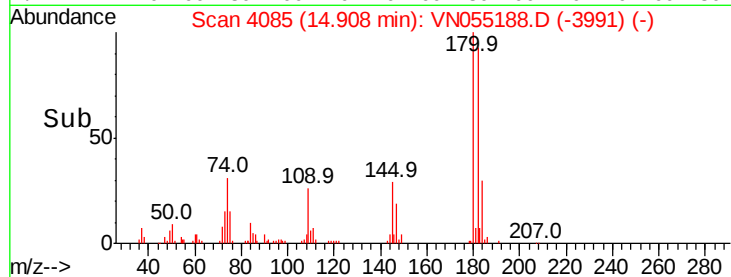
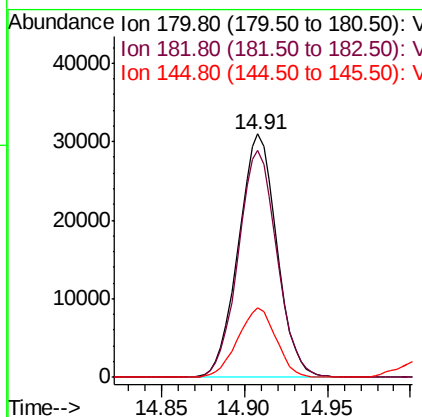
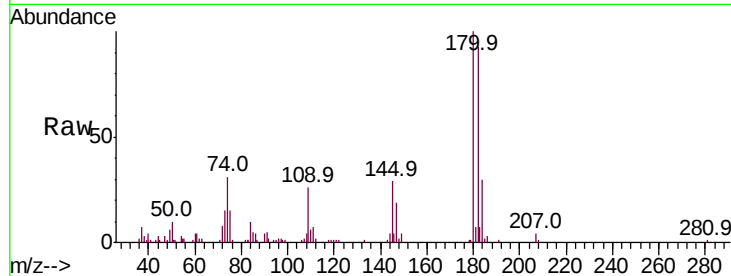
#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.173 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN055188.D  
 Acq: 22 Apr 2019 18:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0422WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.0  | 47.8  | 143.4 |
| 145     | 28.4  | 14.5  | 43.5  |

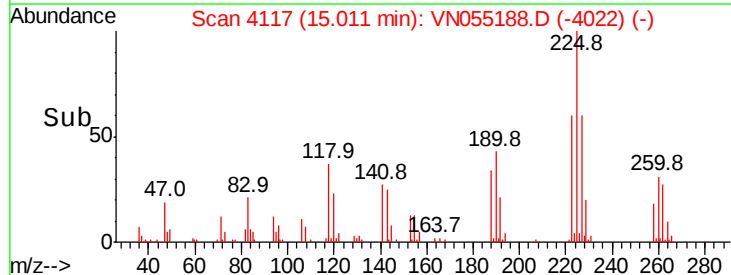
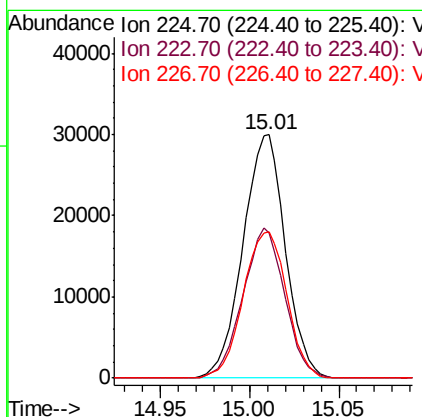
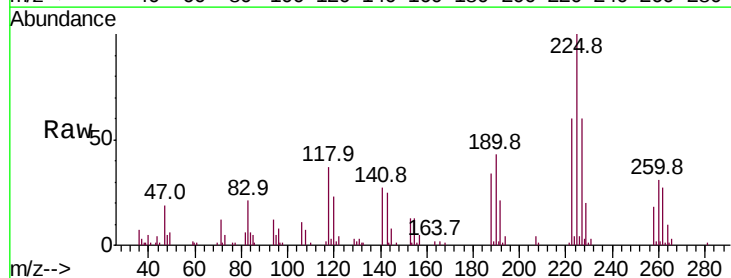
Manual Integrations  
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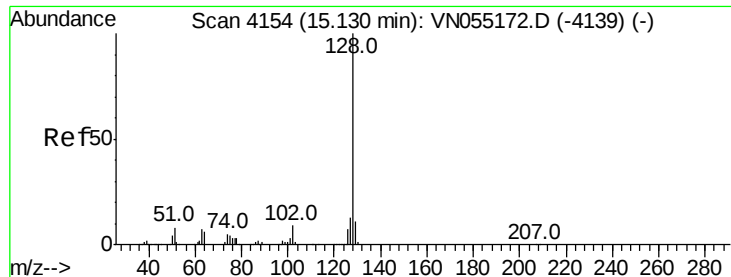
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#94  
 Hexachlorobutadiene  
 Concen: 20.807 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN055188.D  
 Acq: 22 Apr 2019 18:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 60.9  | 32.2  | 96.6  |
| 227     | 61.8  | 32.6  | 98.0  |





#95

Naphthalene

Concen: 17.736 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

Instrument :

MSVOA\_N

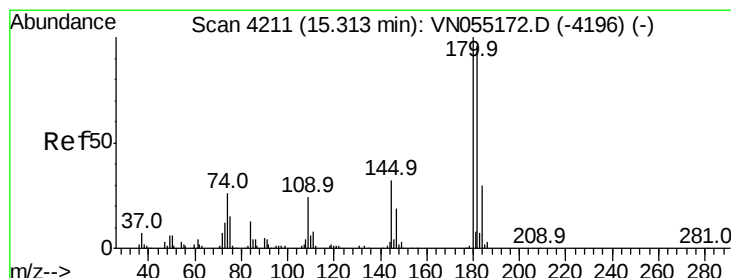
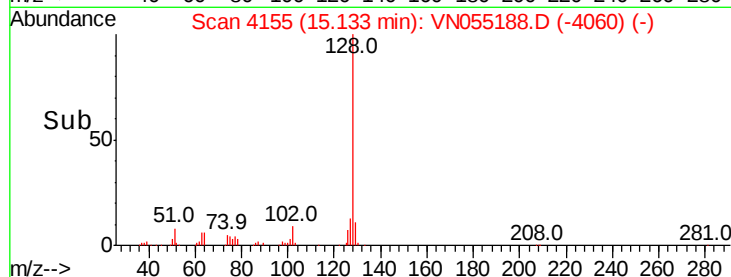
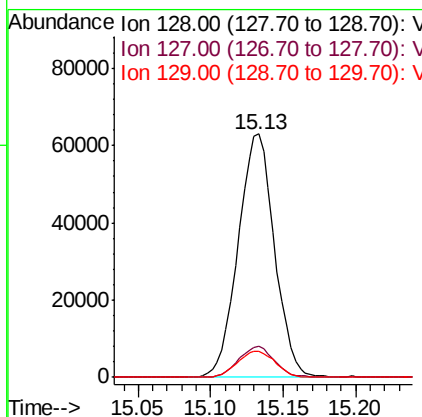
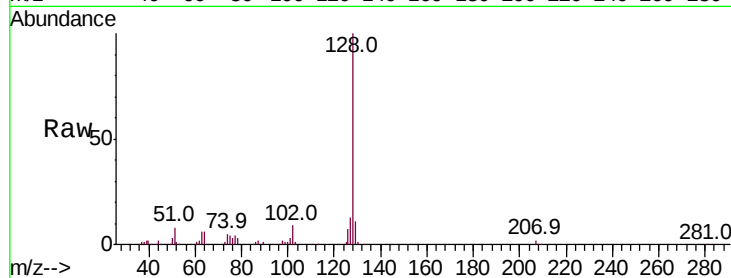
ClientSampleId :

VN0422WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 109695 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.5  | 10.3  | 15.5   |
| 129       | 11.1  | 8.8   | 13.2   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 18.328 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055188.D

Acq: 22 Apr 2019 18:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 54808 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 92.2  | 47.2  | 141.6 |
| 145       | 29.8  | 15.4  | 46.1  |

