

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN033119\  
 Data File : VN054862.D  
 Acq On : 31 Mar 2019 20:24  
 Operator : JC/SP  
 Sample : VN0331WBSD02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0331WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 4/1/2019 12:50:10 PM

Quant Time: Apr 01 04:30:32 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032919W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 30 00:48:18 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 385521   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 666870   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 569518   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 229398   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 280882   | 54.05 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 108.10% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 223116   | 50.18 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.36% |      |
| 50) Toluene-d8              | 10.09  | 98  | 814320   | 49.27 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.54%  |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 264152   | 48.05 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.10%  |      |

| Target Compounds              |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 78796   | 20.206  | ug/l   | 99     |
| 3) Chloromethane              | 2.06 | 50  | 114180  | 21.176  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.19 | 62  | 103008  | 21.274  | ug/l   | 99     |
| 5) Bromomethane               | 2.58 | 94  | 51908   | 19.057  | ug/l   | 98     |
| 6) Chloroethane               | 2.71 | 64  | 57410   | 21.233  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 130951  | 21.998  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 43904   | 22.904  | ug/l   | 76     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 65577   | 20.926  | ug/l   | 94     |
| 10) Methyl Iodide             | 3.94 | 142 | 80398   | 18.741  | ug/l # | 88     |
| 11) Tert butyl alcohol        | 4.82 | 59  | 33118   | 122.311 | ug/l   | 100    |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 67522   | 22.281  | ug/l # | 76     |
| 13) Acrolein                  | 3.61 | 56  | 25459   | 105.175 | ug/l   | 96     |
| 14) Allyl chloride            | 4.32 | 41  | 156417  | 20.955  | ug/l # | 91     |
| 15) Acrylonitrile             | 5.00 | 53  | 175161  | 116.384 | ug/l   | 100    |
| 16) Acetone                   | 3.82 | 43  | 125758  | 101.476 | ug/l # | 83     |
| 17) Carbon Disulfide          | 4.04 | 76  | 190351  | 19.366  | ug/l   | 97     |
| 18) Methyl Acetate            | 4.34 | 43  | 84107   | 25.608  | ug/l # | 88     |
| 19) Methyl tert-butyl Ether   | 5.06 | 73  | 240747  | 22.711  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.55 | 84  | 102729  | 23.500  | ug/l # | 83     |
| 21) trans-1,2-Dichloroethene  | 5.03 | 96  | 86560   | 21.746  | ug/l   | 90     |
| 22) Diisopropyl ether         | 5.96 | 45  | 335463  | 22.723  | ug/l # | 94     |
| 23) Vinyl Acetate             | 5.90 | 43  | 1171118 | 113.991 | ug/l # | 93     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 178277  | 22.638  | ug/l   | 98     |
| 25) 2-Butanone                | 6.85 | 43  | 214245  | 116.952 | ug/l # | 87     |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 95048   | 17.220  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 99396   | 22.105  | ug/l   | 89     |
| 28) Bromochloromethane        | 7.19 | 49  | 88715   | 22.528  | ug/l # | 74     |
| 29) Tetrahydrofuran           | 7.22 | 42  | 149931  | 117.839 | ug/l # | 83     |
| 30) Chloroform                | 7.37 | 83  | 172089  | 22.916  | ug/l   | 99     |
| 31) Cyclohexane               | 7.65 | 56  | 161984  | 21.395  | ug/l   | 91     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 139801  | 22.465  | ug/l   | 95     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 121509  | 19.554  | ug/l   | 95     |
| 37) Ethyl Acetate             | 6.94 | 43  | 96266   | 21.126  | ug/l # | 97     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 120160  | 19.909  | ug/l   | 97     |

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 Sample : VN0331WBSD02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0331WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 4/1/2019 12:50:10 PM

Quant Time: Apr 01 04:30:32 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032919W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 30 00:48:18 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 130313   | 19.075  | ug/l   | 89       |
| 40) Benzene                    | 8.04  | 78   | 375817   | 21.137  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.18  | 41   | 56689    | 22.146  | ug/l   | 90       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 133819   | 21.078  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 169868   | 22.942  | ug/l # | 91       |
| 44) Trichloroethene            | 8.84  | 130  | 95624    | 20.718  | ug/l   | 92       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 107844   | 21.271  | ug/l   | 98       |
| 46) Dibromomethane             | 9.21  | 93   | 59958    | 21.023  | ug/l   | 89       |
| 47) Bromodichloromethane       | 9.40  | 83   | 127383   | 21.491  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.20  | 41   | 83229    | 20.737  | ug/l   | 88       |
| 49) 1,4-Dioxane                | 9.21  | 88   | 19348    | 485.834 | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 469376   | 112.754 | ug/l   | 92       |
| 52) Toluene                    | 10.16 | 92   | 223234   | 21.099  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 110911   | 19.892  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 138083   | 20.732  | ug/l # | 90       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 83504    | 21.226  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 107292   | 20.790  | ug/l # | 81       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 143371   | 21.198  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 204106   | 98.367  | ug/l # | 88       |
| 59) 2-Hexanone                 | 10.75 | 43   | 284959   | 106.931 | ug/l   | 91       |
| 60) Dibromochloromethane       | 10.90 | 129  | 85118    | 21.359  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 82202    | 21.865  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 90692    | 20.752  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.43 | 112  | 230590   | 20.680  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 88527    | 21.211  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 416624   | 20.705  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.62 | 106  | 304661   | 40.914  | ug/l   | 94       |
| 69) o-Xylene                   | 11.95 | 106  | 149139   | 20.425  | ug/l   | 94       |
| 70) Styrene                    | 11.96 | 104  | 244233   | 20.919  | ug/l   | 97       |
| 71) Bromoform                  | 12.13 | 173  | 50500    | 20.654  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.25 | 105  | 397875   | 21.220  | ug/l   | 96       |
| 74) N-amyl acetate             | 12.07 | 43   | 126692   | 21.689  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 102507   | 23.906  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 84704m   | 21.255  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 94966    | 20.986  | ug/l   | 83       |
| 78) n-propylbenzene            | 12.59 | 91   | 427830   | 20.760  | ug/l   | 96       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 270300   | 21.200  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 325251   | 21.141  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 18638    | 18.192  | ug/l # | 76       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 255542   | 20.635  | ug/l   | 96       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 272401   | 21.669  | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 313727   | 21.404  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 343548   | 20.556  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 297170   | 20.160  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 154205   | 20.353  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 151516   | 20.390  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.62 | 91   | 226910   | 18.867  | ug/l   | 97       |
| 90) Hexachloroethane           | 13.87 | 117  | 50309    | 20.102  | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 159105   | 20.808  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 13866    | 21.632  | ug/l   | 84       |

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Operator : JC/SP  
Sample : VN0331WBSD02  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0331WBSD02

Manual Integrations  
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MMDadoda  
4/1/2019 12:50:10 PM

Quant Time: Apr 01 04:30:32 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032919W.M  
Quant Title : SW846 8260  
QLast Update : Sat Mar 30 00:48:18 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 63866    | 17.325 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 45372    | 19.500 | ug/l  | 96       |
| 95) Naphthalene            | 15.13 | 128  | 147970   | 17.897 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 68634    | 18.436 | ug/l  | 99       |

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

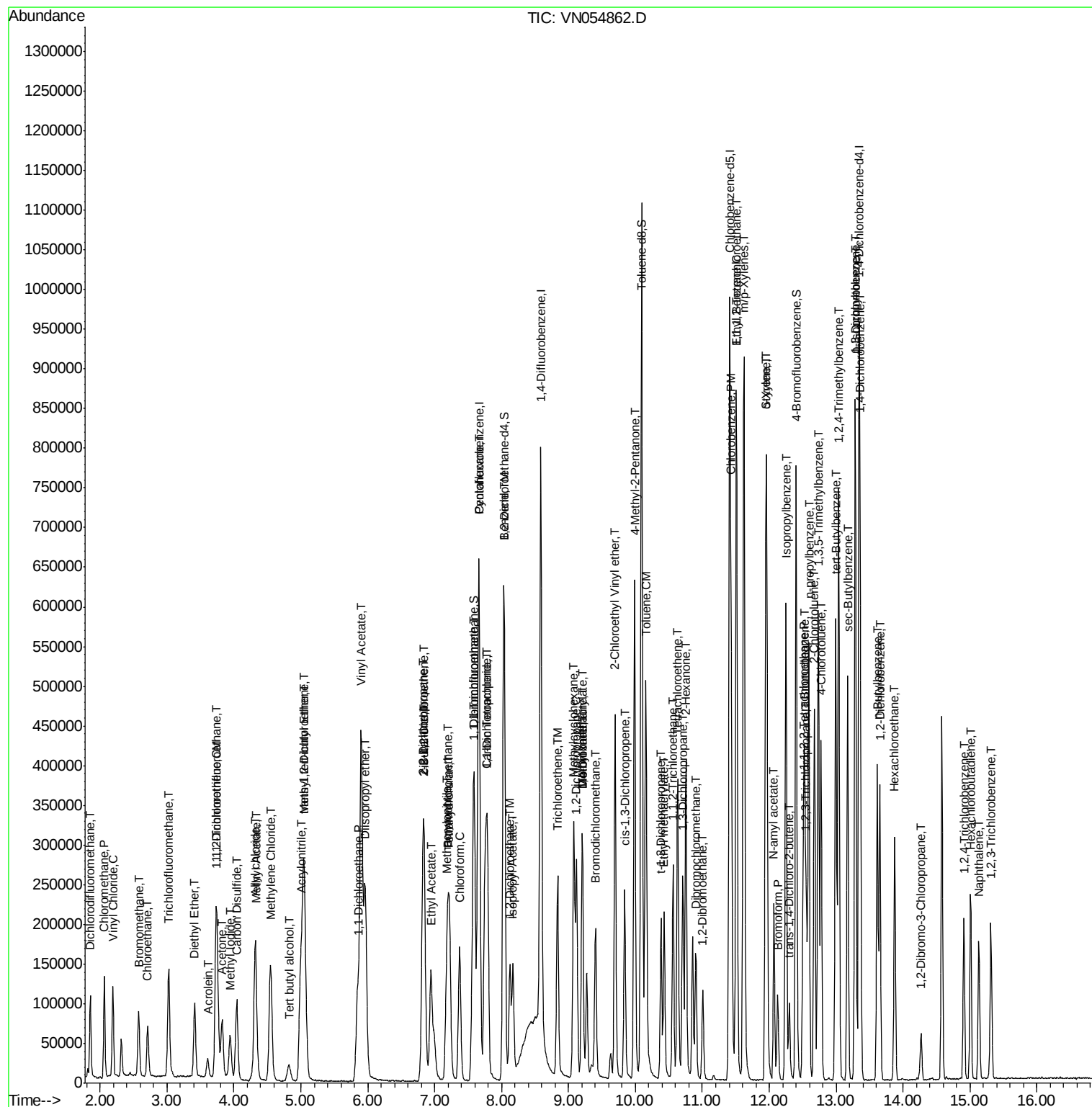
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 Data File : VN054862.D  
 Acq On : 31 Mar 2019 20:24  
 Operator : JC/SP  
 Sample : VN0331WBSD02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

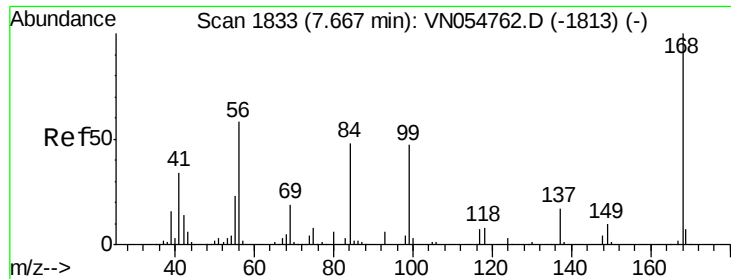
Instrument :  
 MSVOA\_N  
 Client Sample ID :  
 VN0331WBSD02

Manual Integrations  
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MMDadoda  
 4/1/2019 12:50:10 PM

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 Quant Title : SW846 8260  
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0331WBSD02

Tgt Ion:168 Resp: 385521

Ion Ratio Lower Upper

168 100

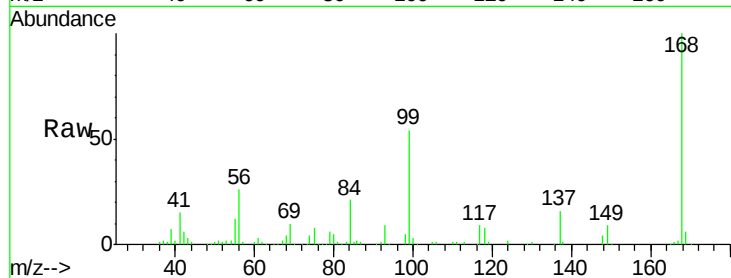
99 52.9 37.1 55.7

Manual Integrations

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4/1/2019 12:50:10 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

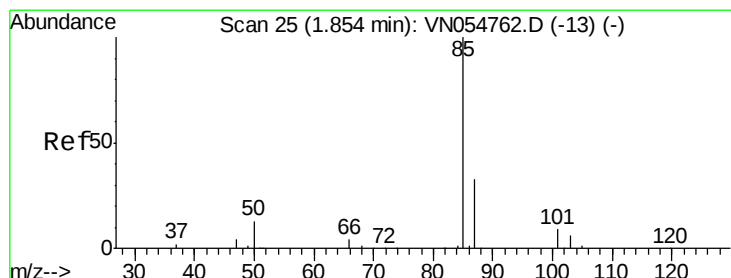
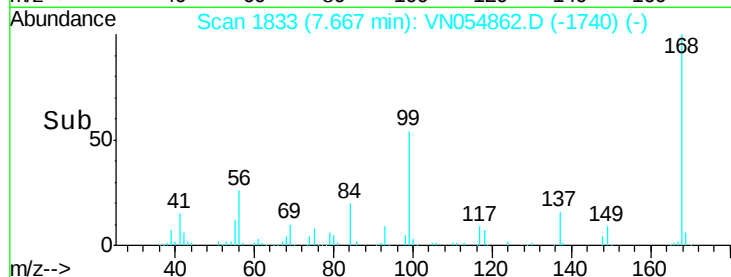
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.206 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054862.D

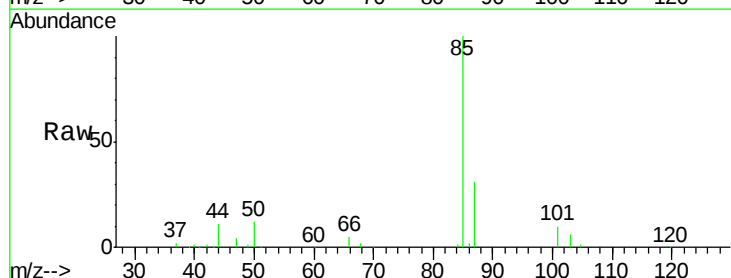
Acq: 31 Mar 2019 20:24

Tgt Ion: 85 Resp: 78796

Ion Ratio Lower Upper

85 100

87 31.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

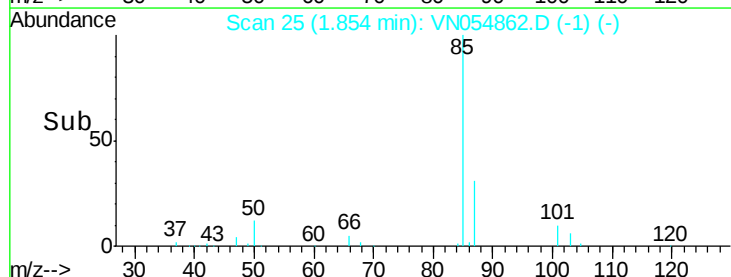
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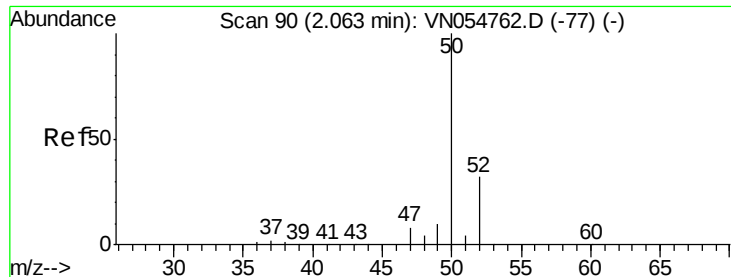
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20000

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Time-->





#3

Chloromethane

Concen: 21.176 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0331WBSD02

Tgt Ion: 50 Resp: 114180

Ion Ratio Lower Upper

50 100

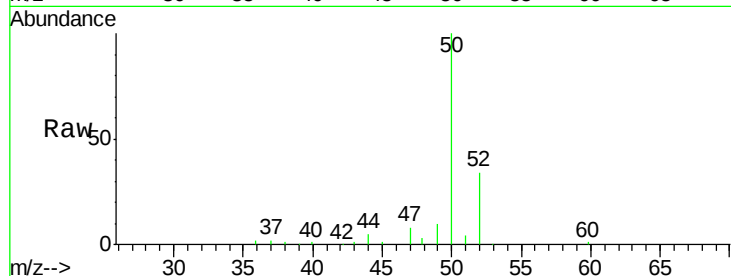
52 33.6 26.4 39.6

Manual Integrations

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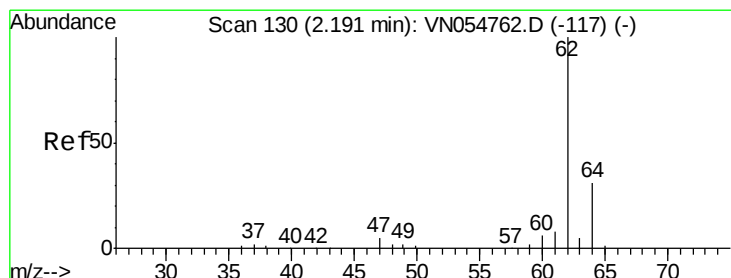
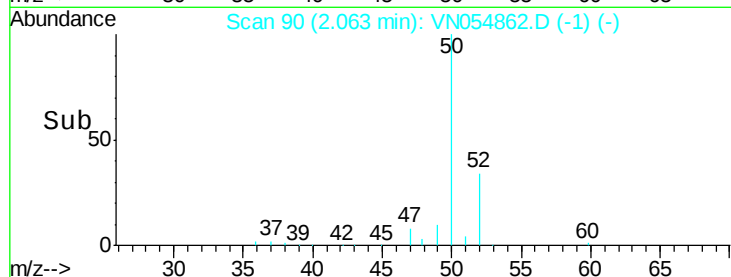
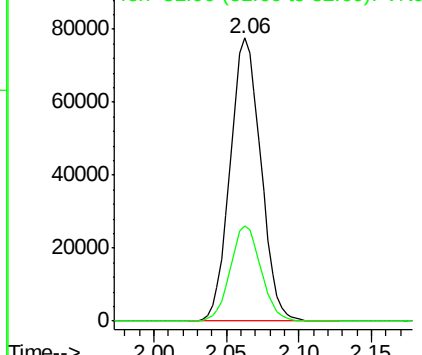
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 21.274 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054862.D

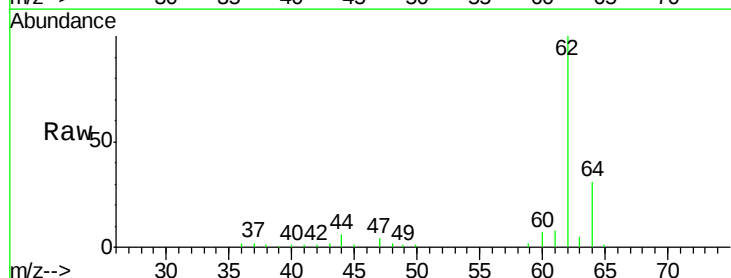
Acq: 31 Mar 2019 20:24

Tgt Ion: 62 Resp: 103008

Ion Ratio Lower Upper

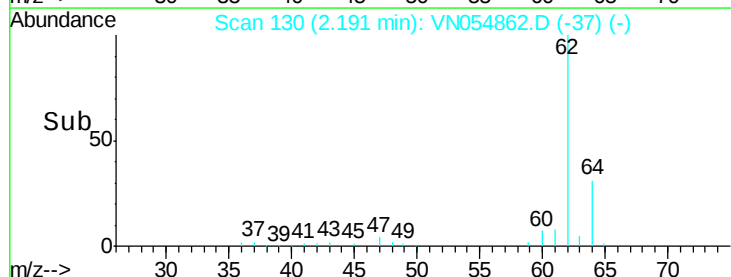
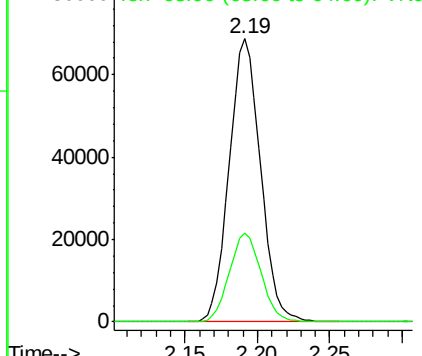
62 100

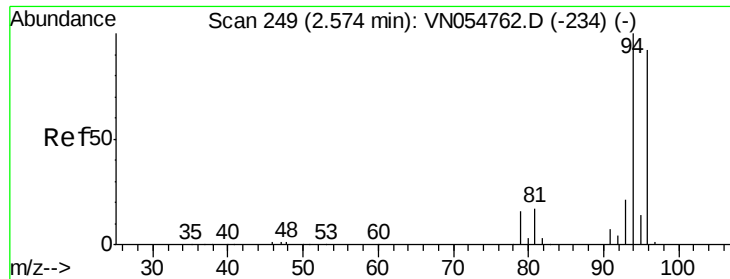
64 31.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.057 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0331WBSD02

Tgt Ion: 94 Resp: 51908

Ion Ratio Lower Upper

94 100

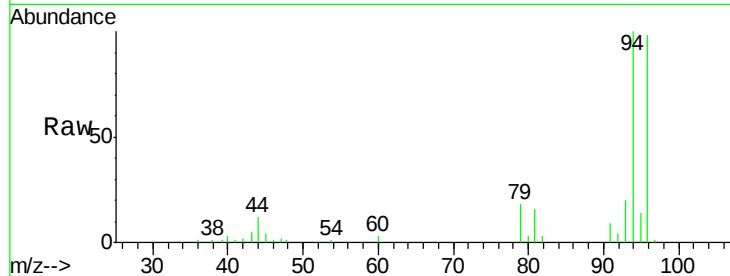
96 98.4 77.0 115.4

Manual Integrations

APPROVED

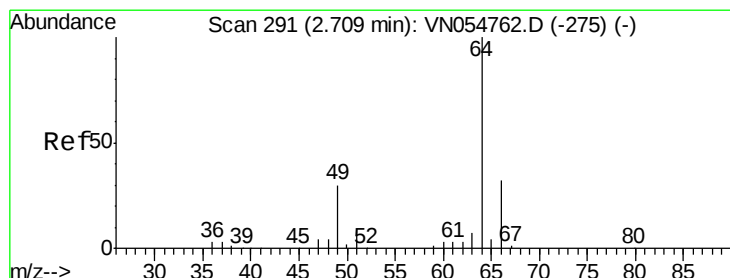
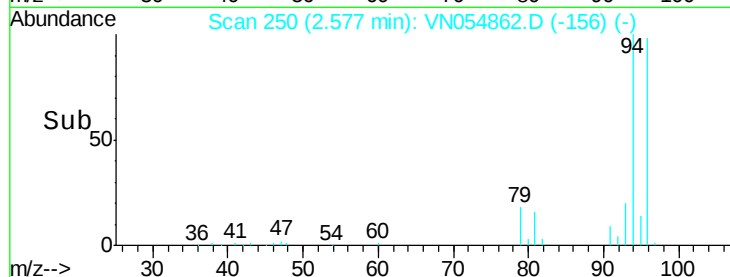
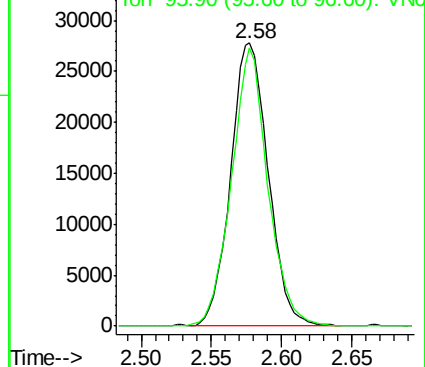
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.233 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054862.D

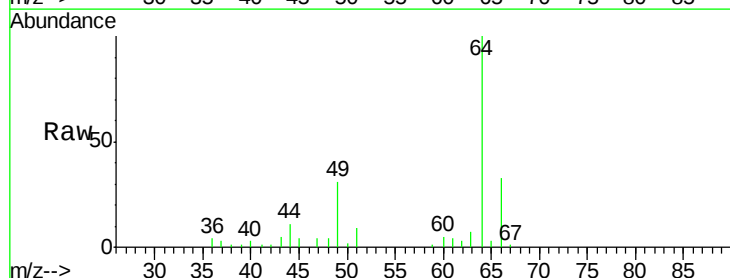
Acq: 31 Mar 2019 20:24

Tgt Ion: 64 Resp: 57410

Ion Ratio Lower Upper

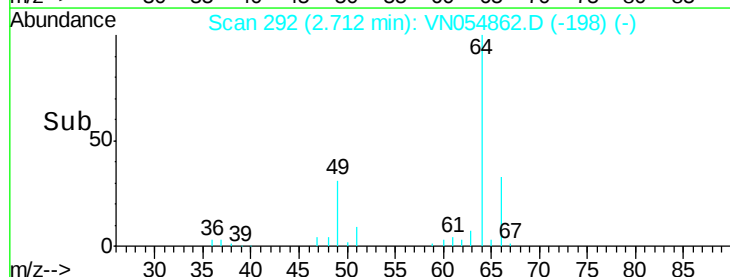
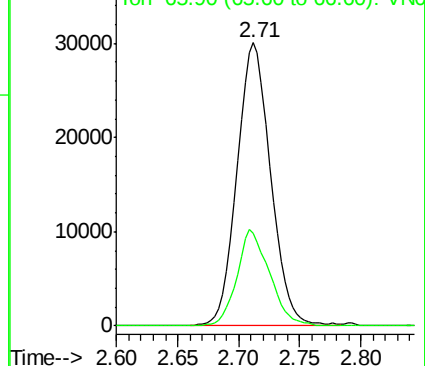
64 100

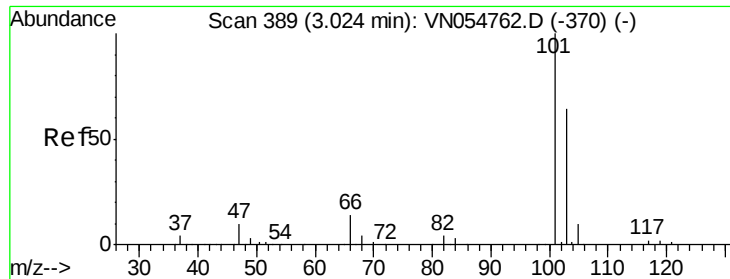
66 32.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

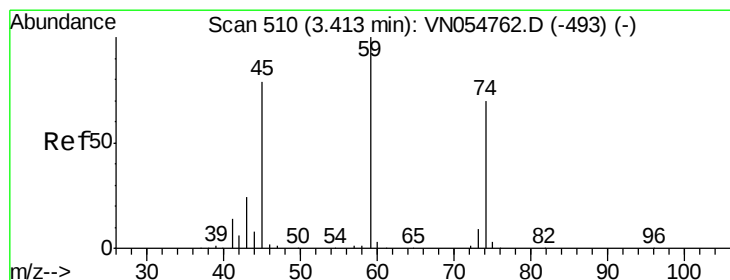
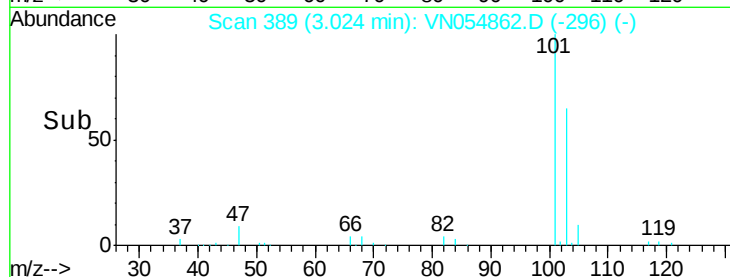
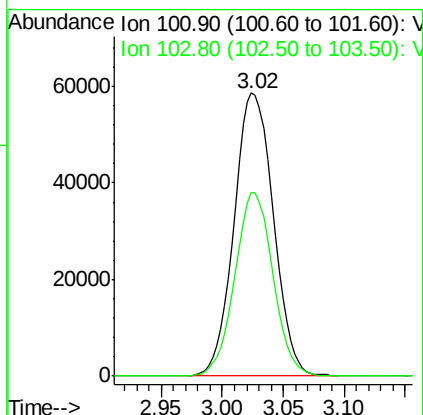
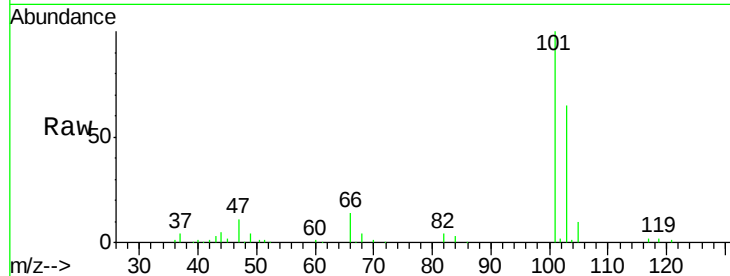
Trichlorofluoromethane  
Concen: 21.998 ug/l  
RT: 3.02 min Scan# 389  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0331WBSD02

Tgt Ion: 101 Resp: 130951  
Ion Ratio Lower Upper  
101 100  
103 64.9 51.4 77.2

Manual Integrations  
APPROVED

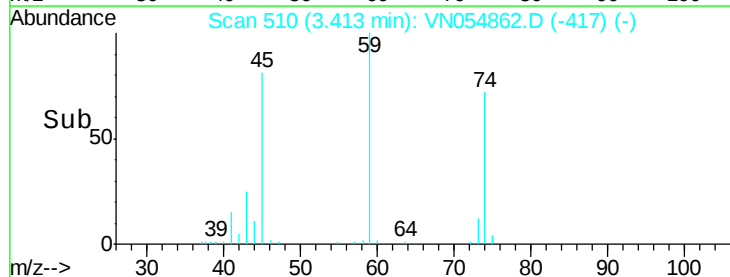
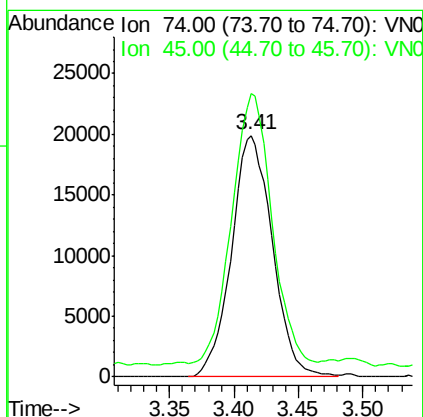
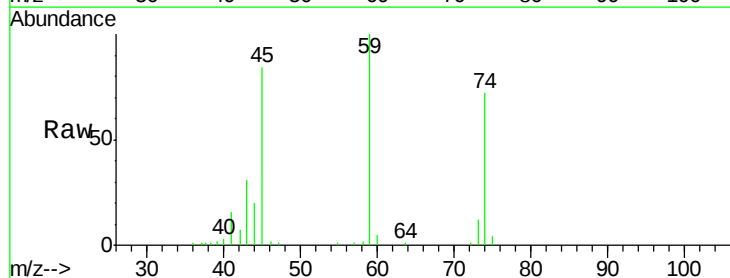
MMDadoda  
4/1/2019 12:50:10 PM

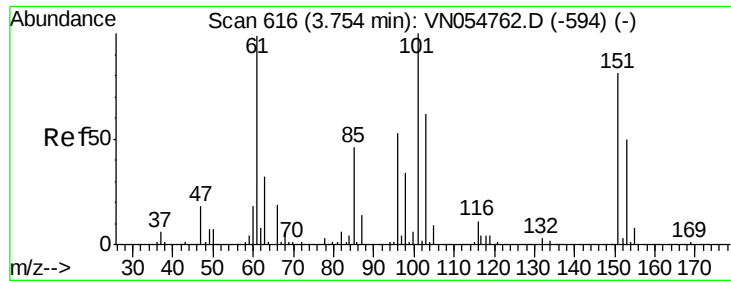


#8

Diethyl Ether  
Concen: 22.904 ug/l  
RT: 3.41 min Scan# 510  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Tgt Ion: 74 Resp: 43904  
Ion Ratio Lower Upper  
74 100  
45 108.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.926 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

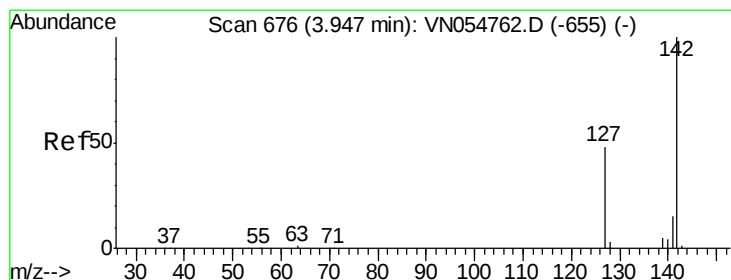
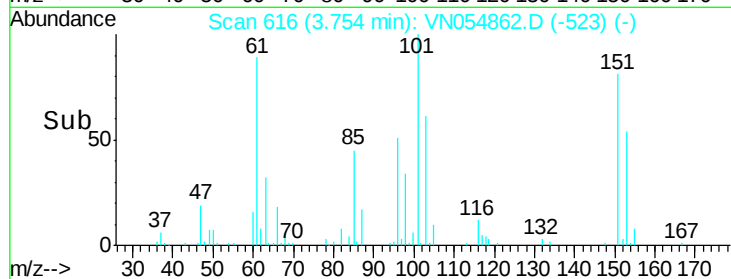
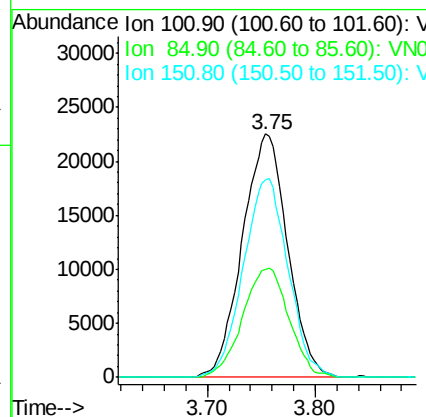
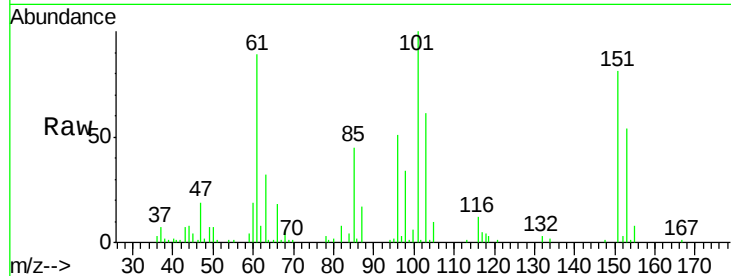
ClientSampleId :

VN0331WBSD02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 101   | Resp: | 65577 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.9  | 32.4  | 48.6  |
| 151       | 80.9  | 68.2  | 102.2 |

Manual Integrations  
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#10

Methyl Iodide

Concen: 18.741 ug/l

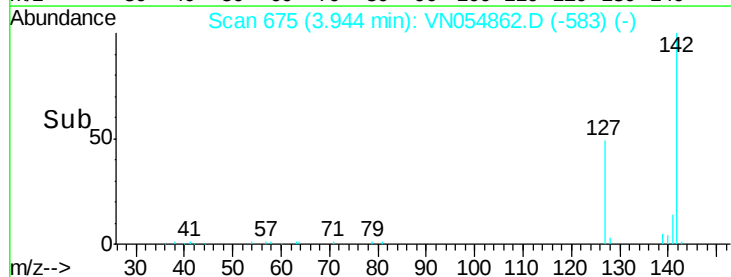
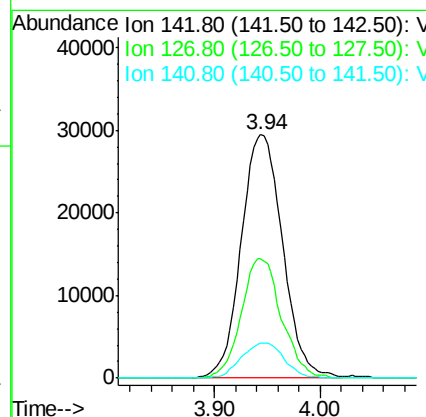
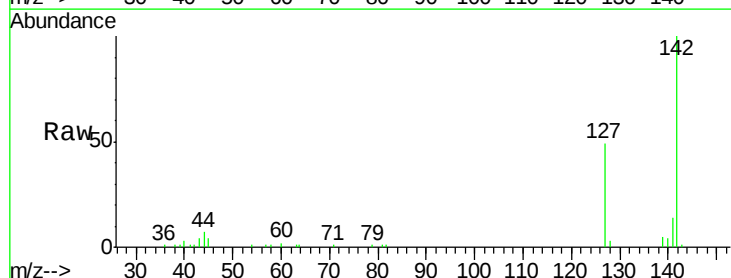
RT: 3.94 min Scan# 675

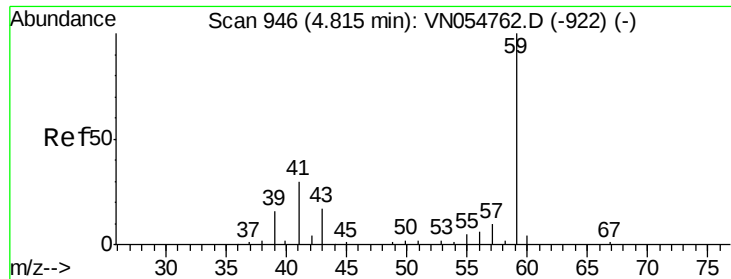
Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 80398 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 47.6  | 30.3  | 45.5# |
| 141       | 14.8  | 11.2  | 16.8  |





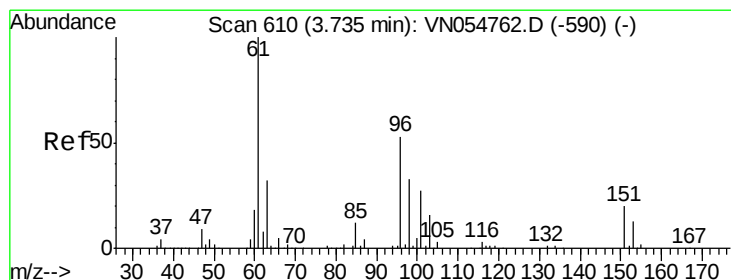
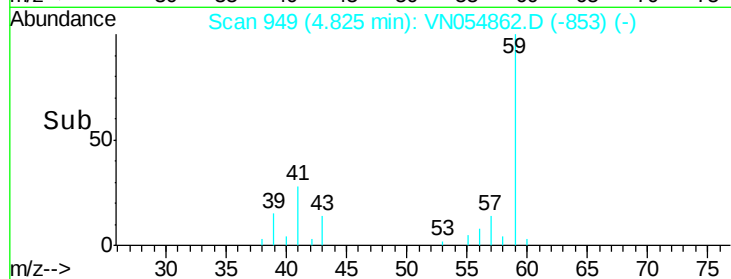
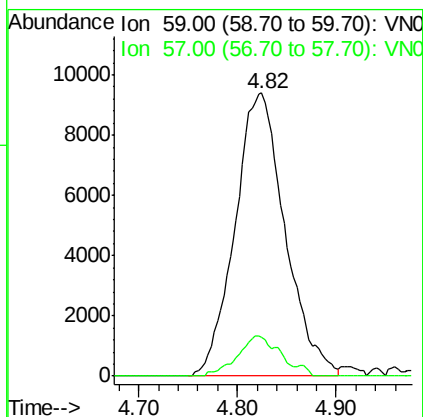
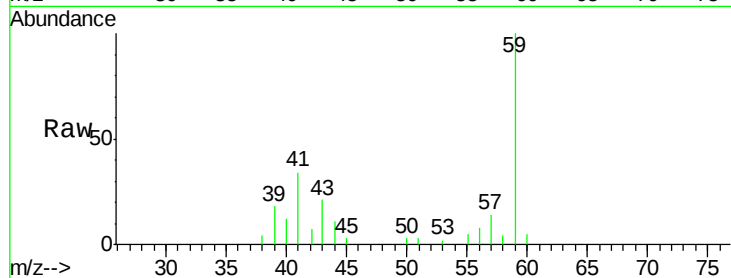
#11  
Tert butyl alcohol  
Concen: 122.311 ug/l  
RT: 4.82 min Scan# 949  
Delta R.T. 0.01 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0331WBSD02

Tgt Ion: 59 Resp: 33118  
Ion Ratio Lower Upper  
59 100  
57 11.4 9.0 13.6

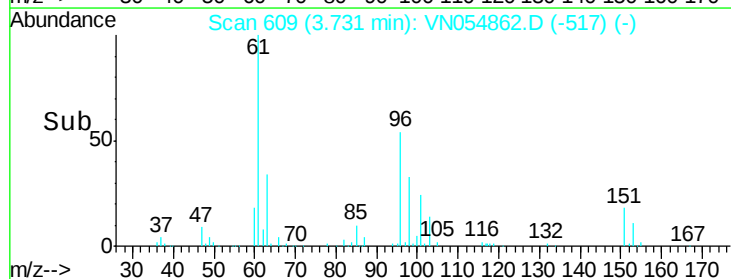
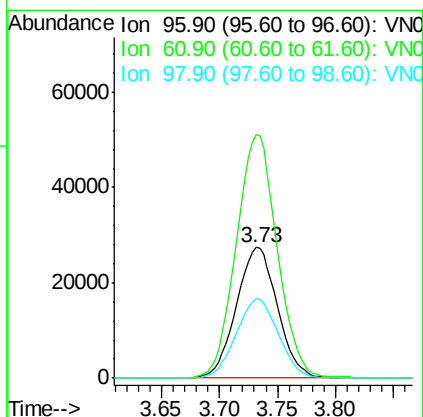
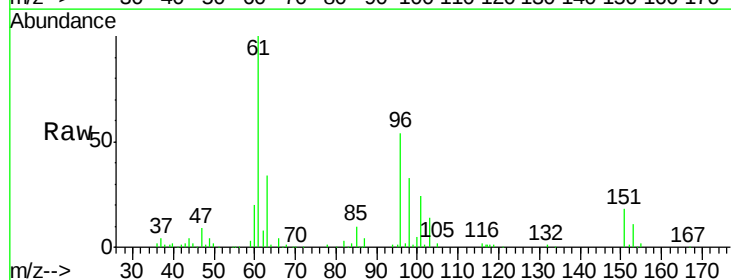
Manual Integrations  
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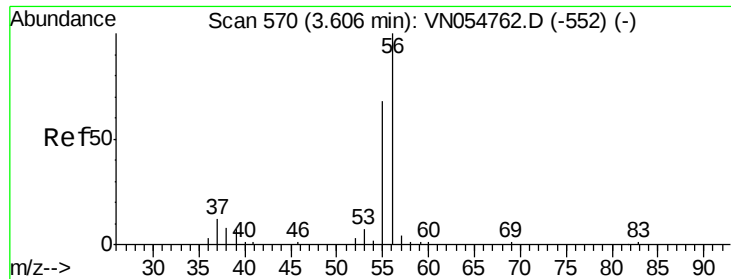
MMDadoda  
4/1/2019 12:50:10 PM



#12  
1,1-Dichloroethene  
Concen: 22.281 ug/l  
RT: 3.73 min Scan# 609  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Tgt Ion: 96 Resp: 67522  
Ion Ratio Lower Upper  
96 100  
61 186.7 116.5 174.7#  
98 60.7 51.0 76.4





#13

Acrolein

Concen: 105.175 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0331WBSD02

Tgt Ion: 56 Resp: 25459

Ion Ratio Lower Upper

56 100

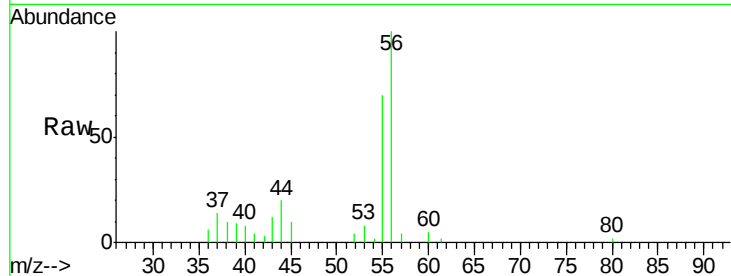
55 74.6 56.7 85.1

Manual Integrations

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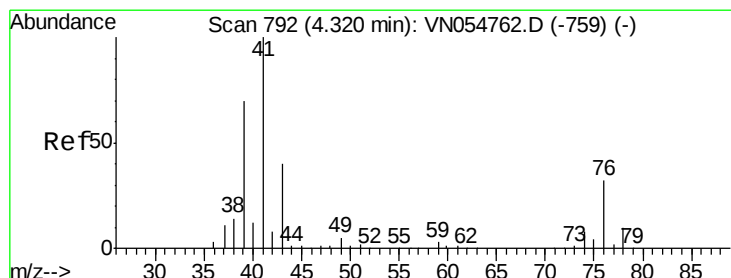
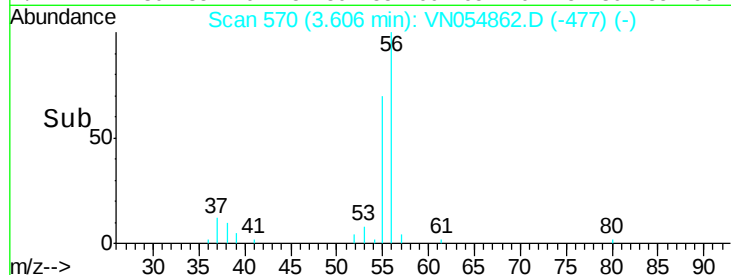
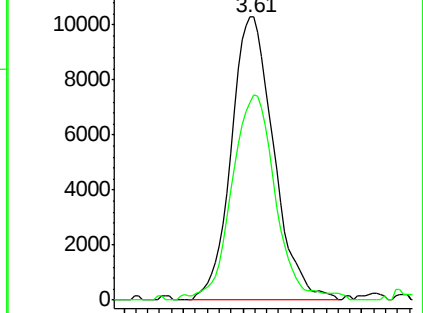
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.955 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

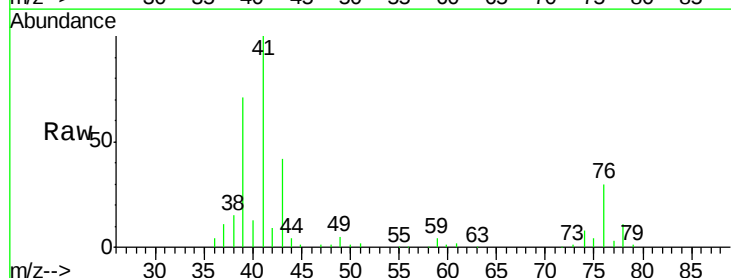
Tgt Ion: 41 Resp: 156417

Ion Ratio Lower Upper

41 100

39 69.2 58.2 87.4

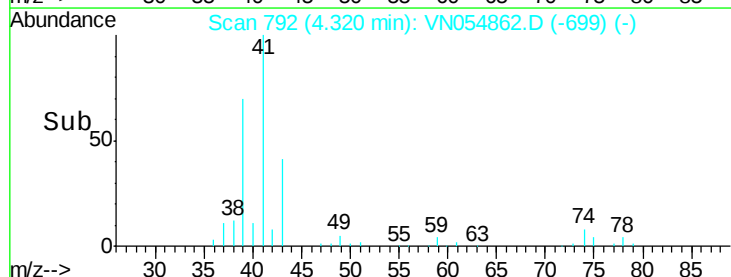
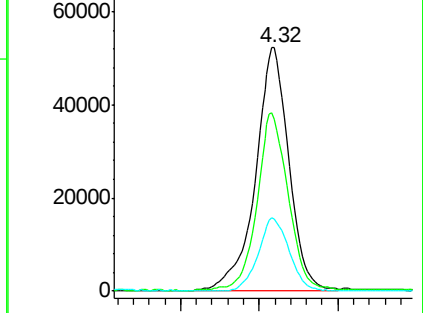
76 27.9 31.7 47.5#

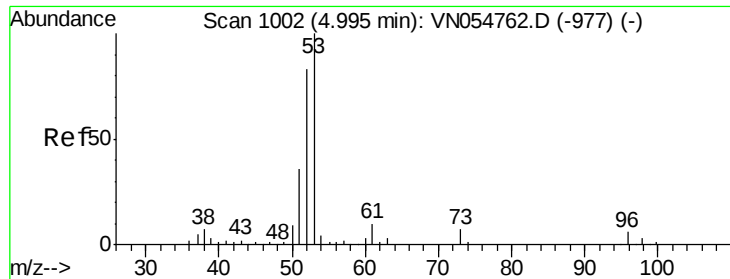


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 116.384 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

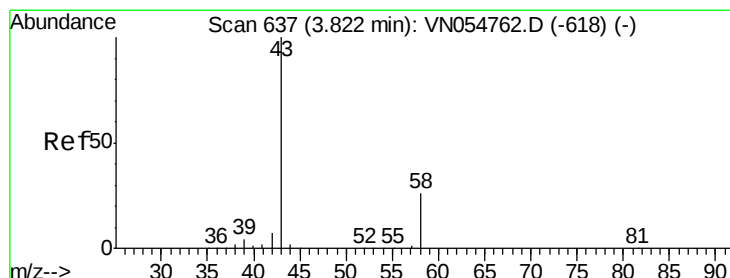
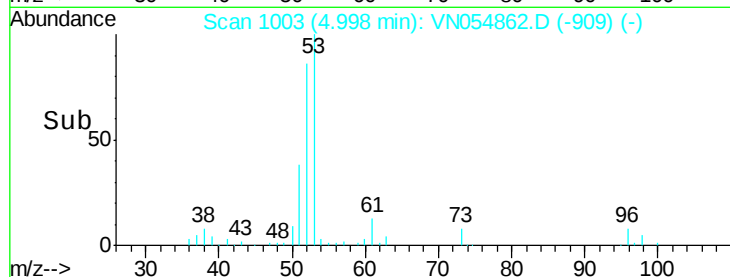
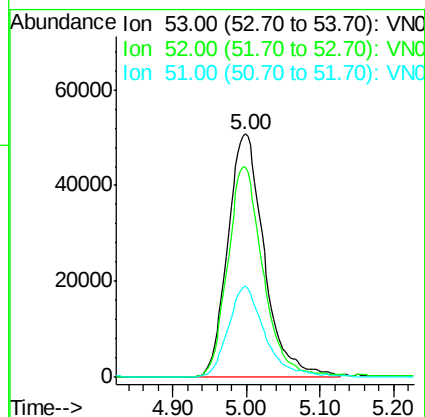
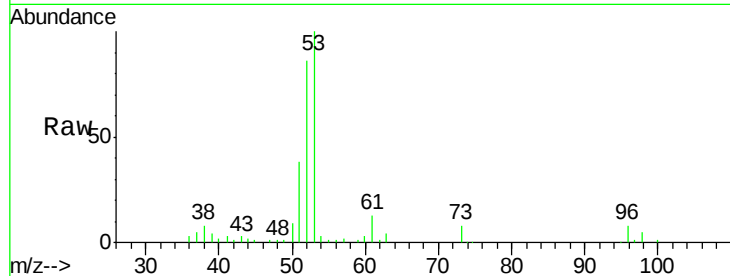
ClientSampleId :

VN0331WBSD02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 175161 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.2  | 66.4  | 99.6   |
| 51       | 37.3  | 29.6  | 44.4   |

Manual Integrations  
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#16

Acetone

Concen: 101.476 ug/l

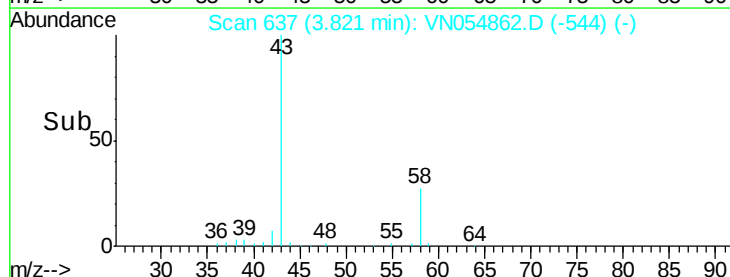
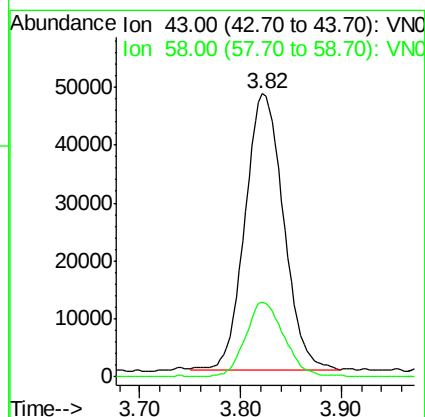
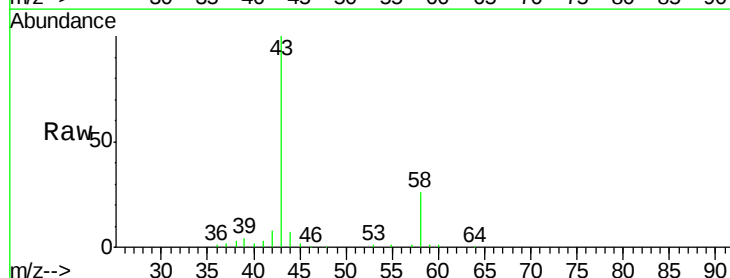
RT: 3.82 min Scan# 637

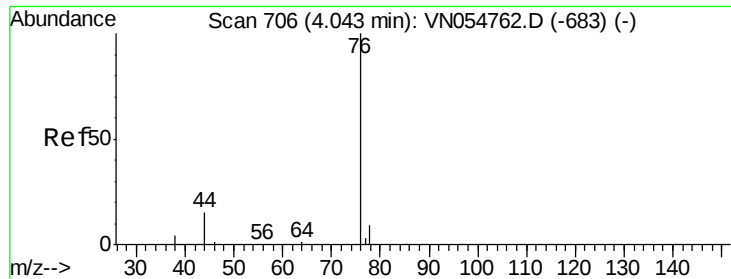
Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 125758 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 27.2  | 29.9  | 44.9#  |





#17

Carbon Disulfide

Concen: 19.366 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0331WBSD02

Tgt Ion: 76 Resp: 190351

Ion Ratio Lower Upper

76 100

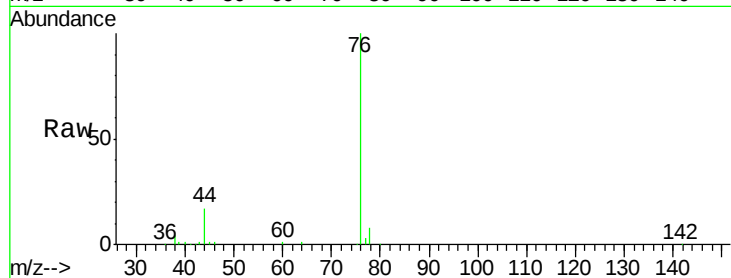
78 8.5 7.5 11.3

Manual Integrations

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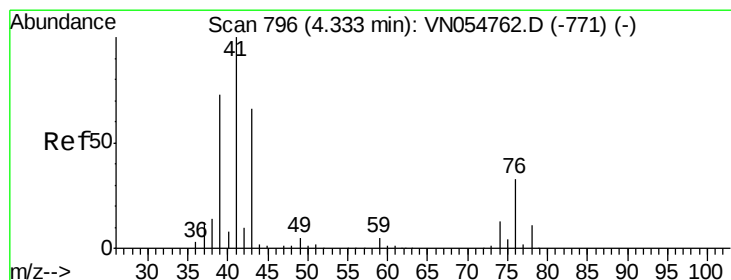
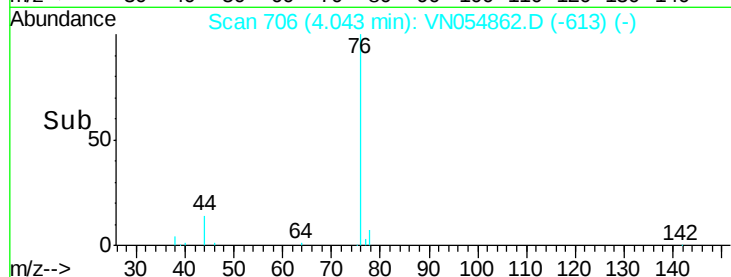
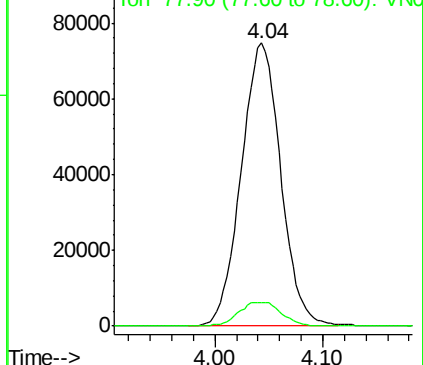
MMDadoda

4/1/2019 12:50:10 PM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 25.608 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.00 min

Lab File: VN054862.D

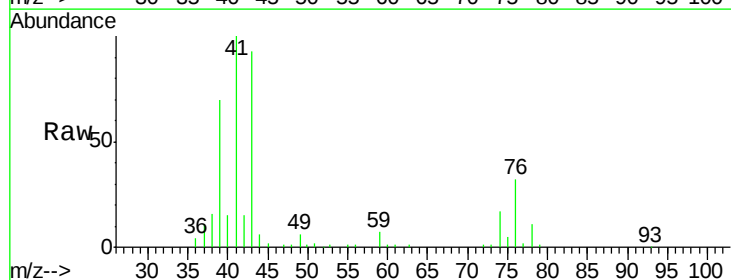
Acq: 31 Mar 2019 20:24

Tgt Ion: 43 Resp: 84107

Ion Ratio Lower Upper

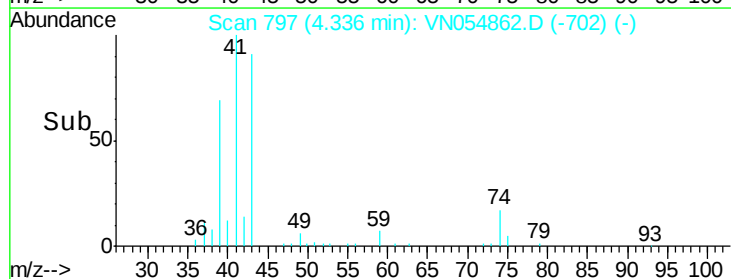
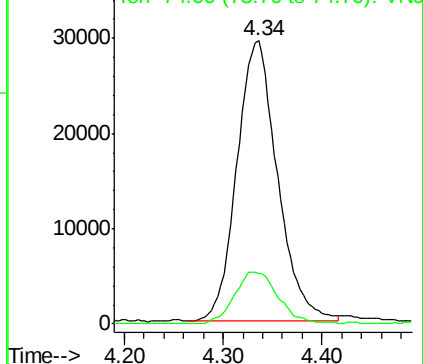
43 100

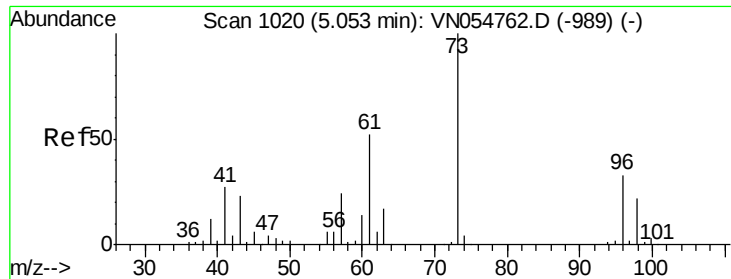
74 20.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





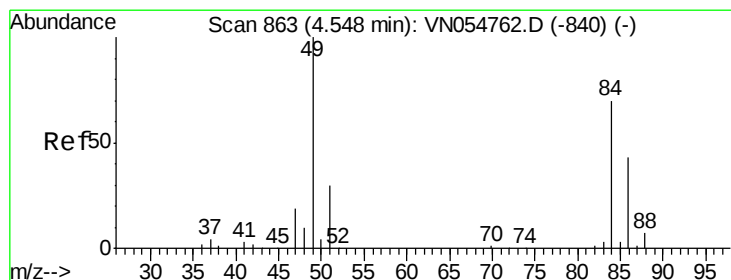
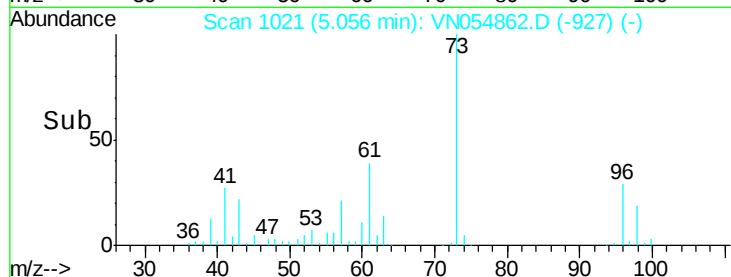
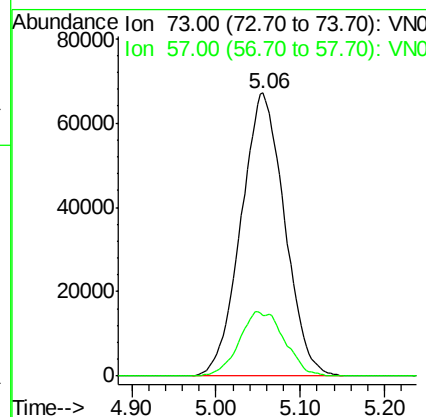
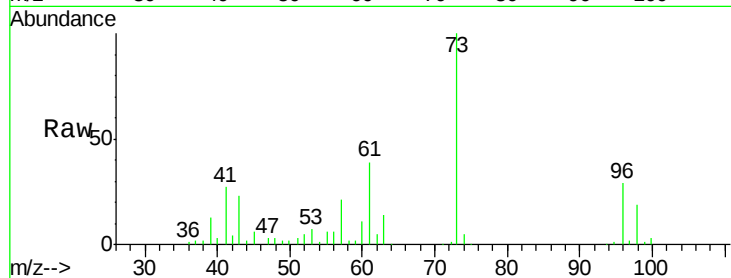
#19  
Methyl tert-butyl Ether  
Concen: 22.711 ug/l  
RT: 5.06 min Scan# 1021  
Delta R.T. 0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0331WBSD02

Tgt Ion: 73 Resp: 240747  
Ion Ratio Lower Upper  
73 100  
57 21.4 16.8 25.2

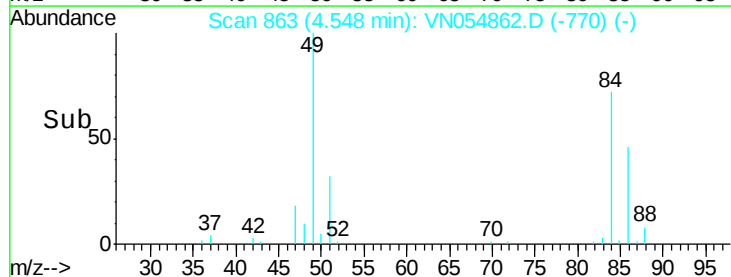
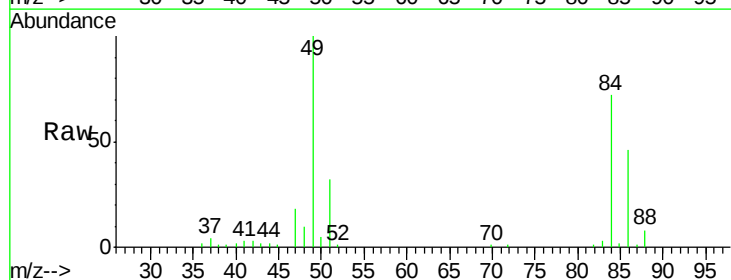
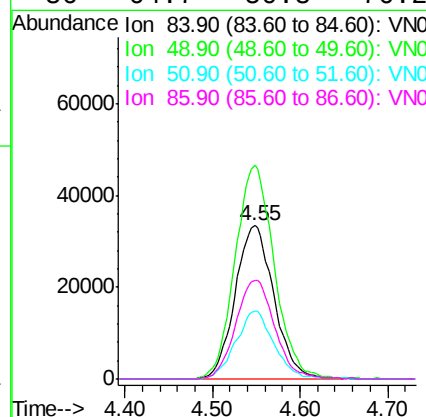
Manual Integrations  
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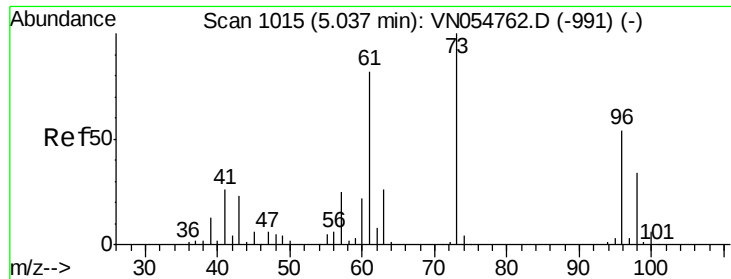
MMDadoda  
4/1/2019 12:50:10 PM



#20  
Methylene Chloride  
Concen: 23.500 ug/l  
RT: 4.55 min Scan# 863  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Tgt Ion: 84 Resp: 102729  
Ion Ratio Lower Upper  
84 100  
49 139.5 89.7 134.5#  
51 44.5 28.2 42.4#  
86 64.7 50.8 76.2





#21

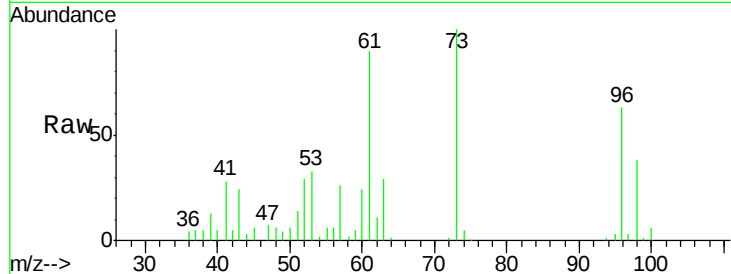
trans-1,2-Dichloroethene  
Concen: 21.746 ug/l  
RT: 5.03 min Scan# 1014  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0331WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 144.1 | 102.8 | 154.2 |
| 98      | 61.3  | 50.0  | 75.0  |

Manual Integrations  
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MMDadoda  
4/1/2019 12:50:10 PM

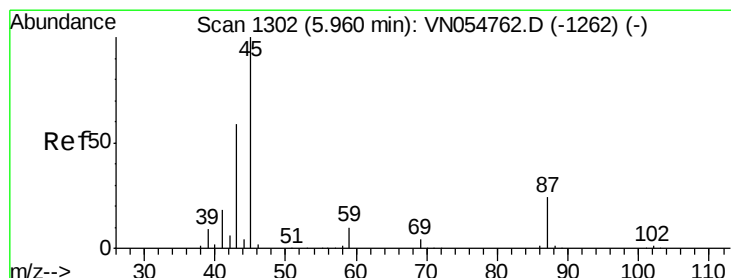
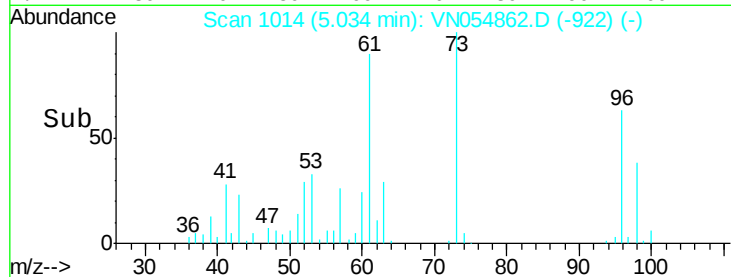
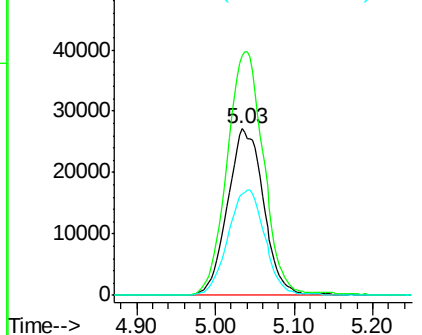


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

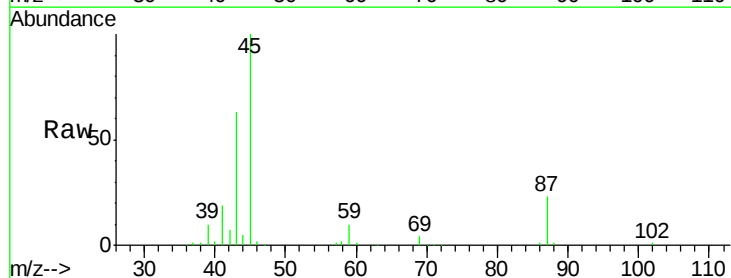
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether  
Concen: 22.723 ug/l  
RT: 5.96 min Scan# 1302  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 61.4  | 48.2  | 72.2  |
| 87      | 23.0  | 24.9  | 37.3  |
| 59      | 10.2  | 9.5   | 14.3  |



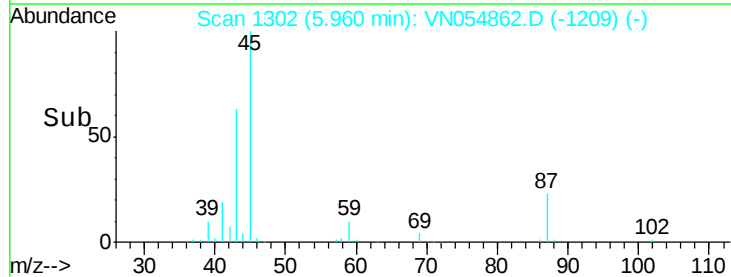
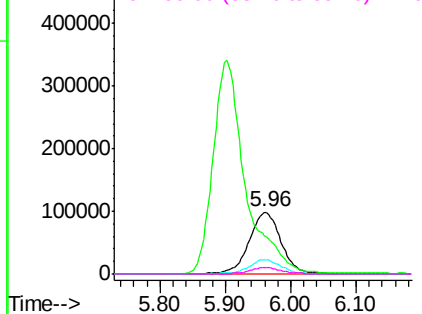
Abundance

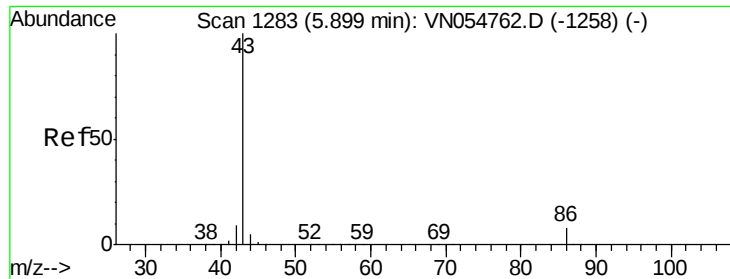
Ion 45.00 (44.70 to 45.70): VNC

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: 113.991 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0331WBSD02

Tgt Ion: 43 Resp: 1171118

Ion Ratio Lower Upper

43 100

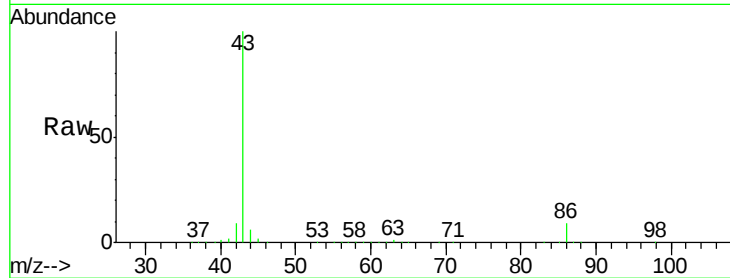
86 8.7 9.1 13.7#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

400000

300000

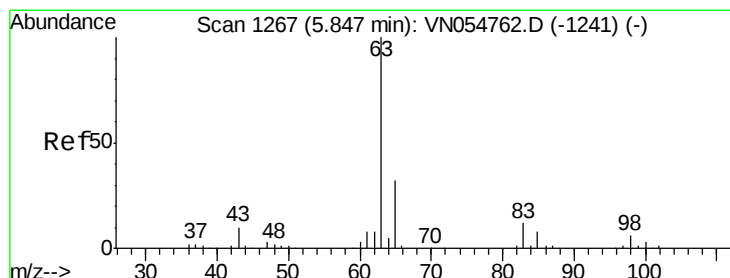
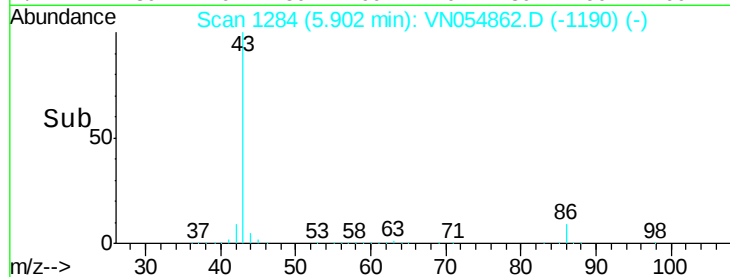
200000

100000

0

5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 22.638 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

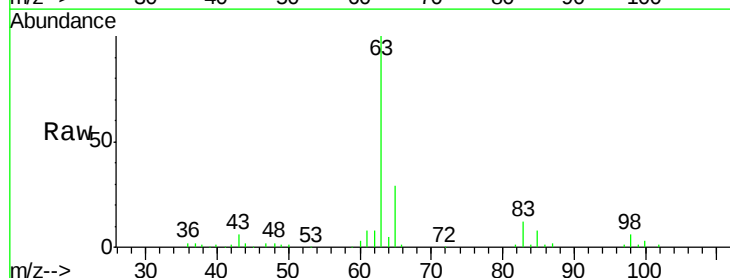
Tgt Ion: 63 Resp: 178277

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

100 3.3 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

60000

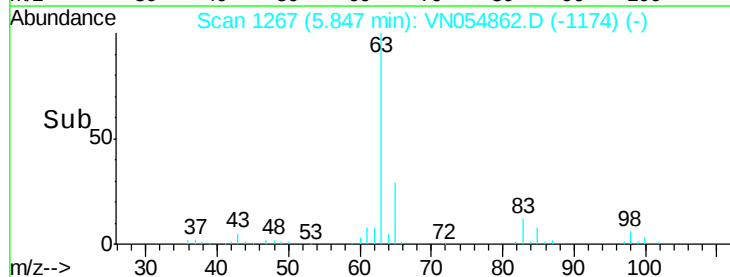
40000

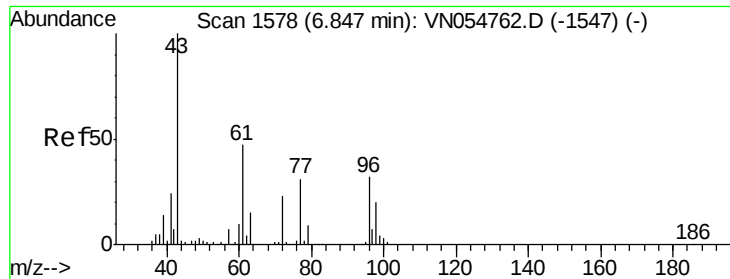
20000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 116.952 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0331WBSD02

Tgt Ion: 43 Resp: 214245

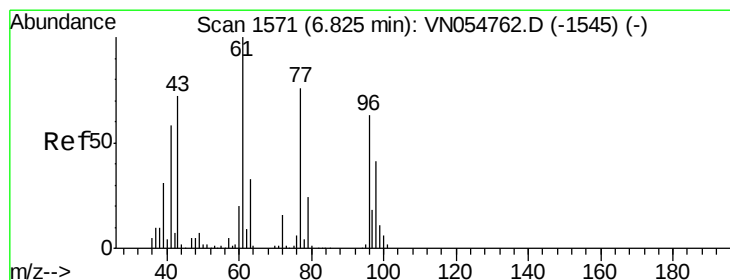
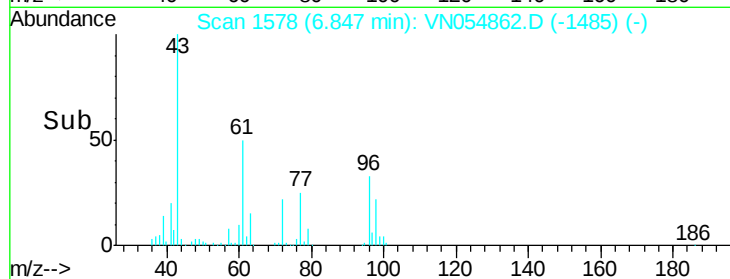
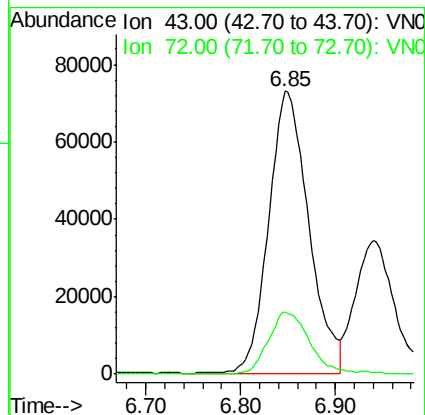
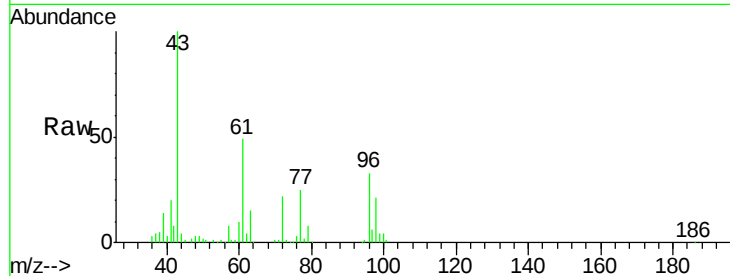
Ion Ratio Lower Upper

43 100

72 21.9 23.0 34.6#

Manual Integrations  
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4/1/2019 12:50:10 PM



#26

2,2-Dichloropropane

Concen: 17.220 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054862.D

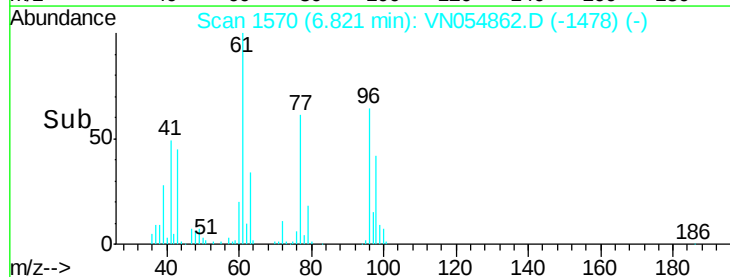
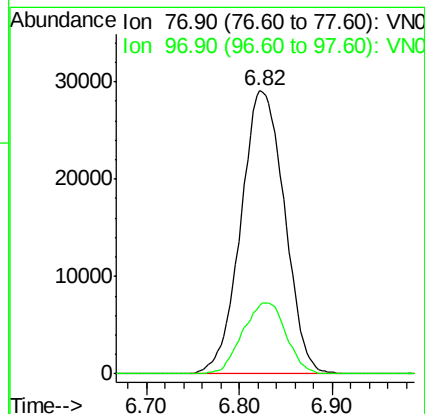
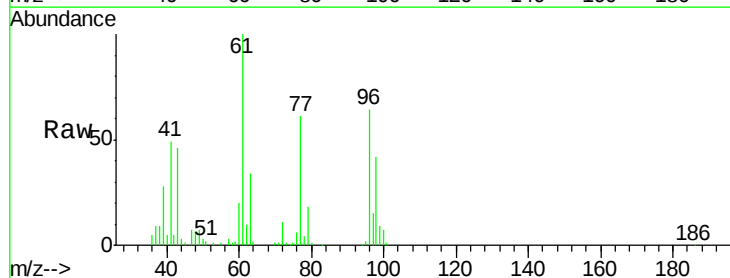
Acq: 31 Mar 2019 20:24

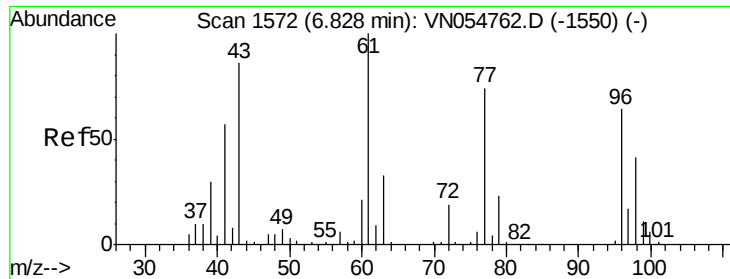
Tgt Ion: 77 Resp: 95048

Ion Ratio Lower Upper

77 100

97 24.9 11.9 35.9





#27

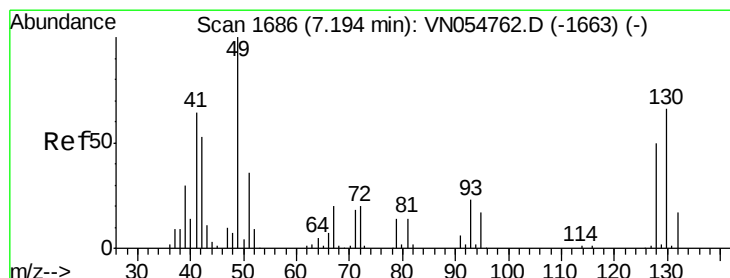
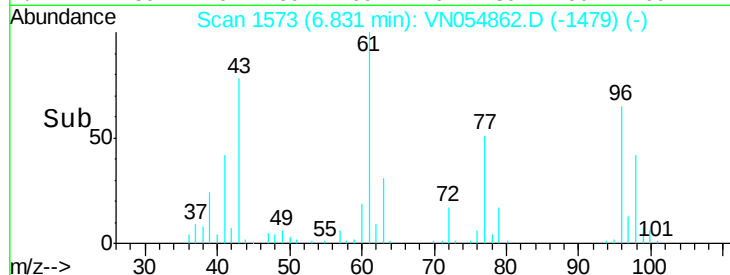
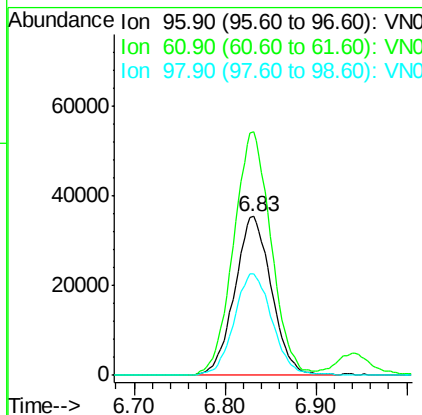
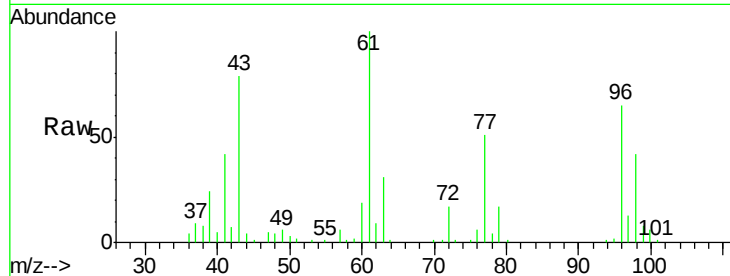
cis-1,2-Dichloroethene  
Concen: 22.105 ug/l  
RT: 6.83 min Scan# 1573  
Delta R.T. 0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0331WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 155.9 | 0.0   | 273.0 |
| 98      | 65.6  | 0.0   | 130.6 |

Manual Integrations  
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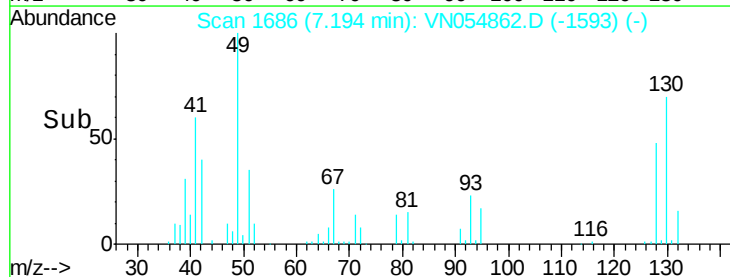
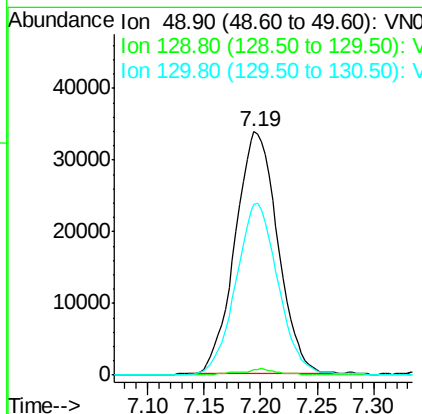
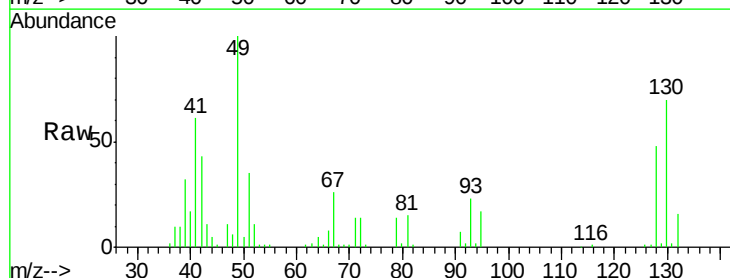
MMDadoda  
4/1/2019 12:50:10 PM

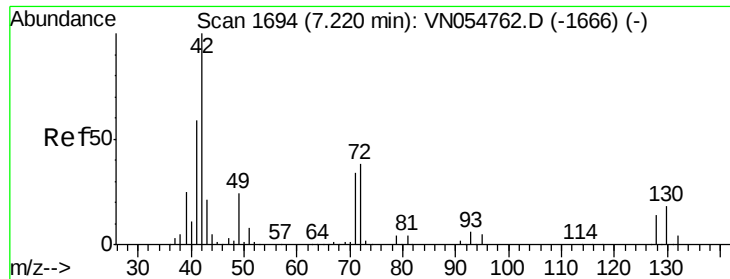


#28

Bromochloromethane  
Concen: 22.528 ug/l  
RT: 7.19 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 49      | 100   |       |        |
| 129     | 1.7   | 0.0   | 4.6    |
| 130     | 70.3  | 76.7  | 115.1# |





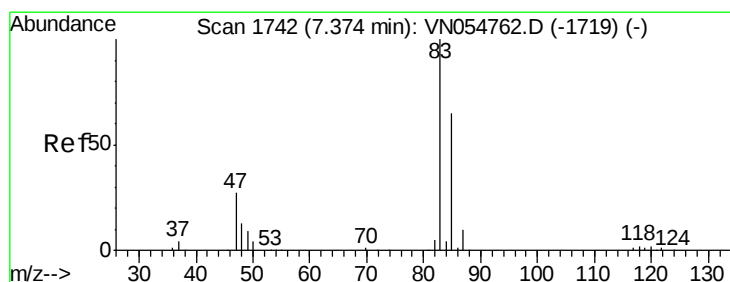
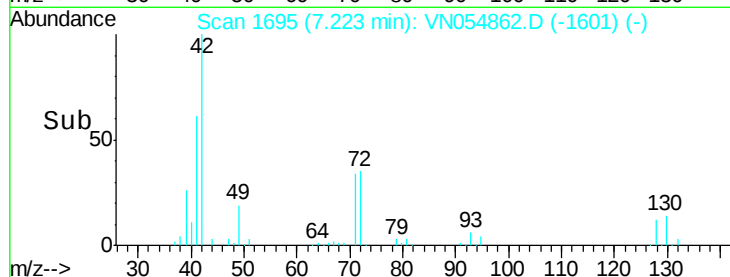
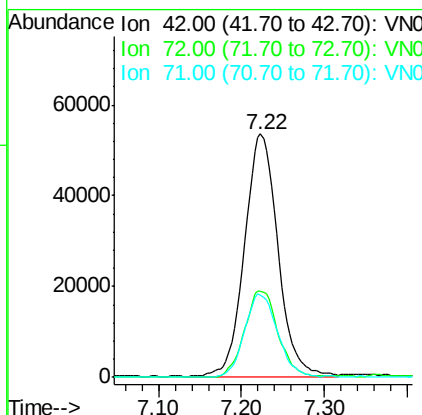
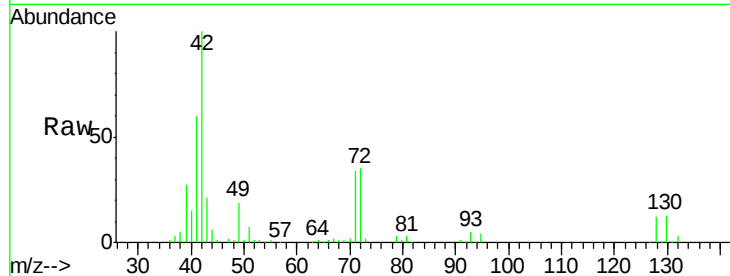
#29  
Tetrahydrofuran  
Concen: 117.839 ug/l  
RT: 7.22 min Scan# 1695  
Delta R.T. 0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0331WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 35.8  | 37.8  | 56.6# |
| 71      | 34.0  | 36.2  | 54.2# |

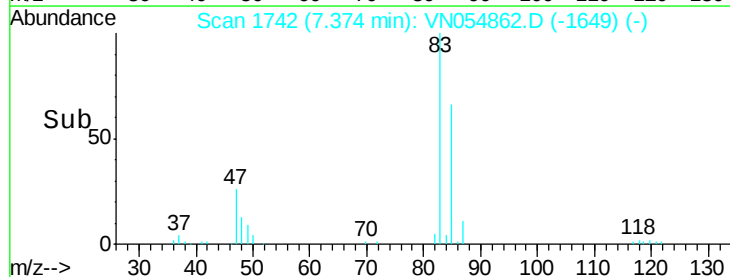
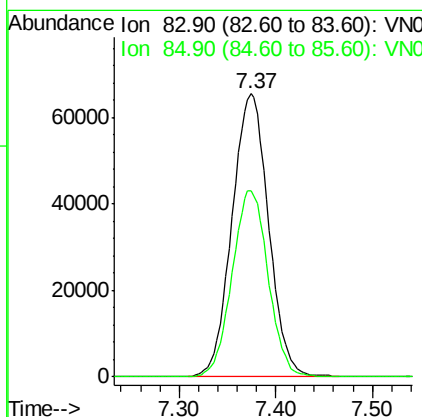
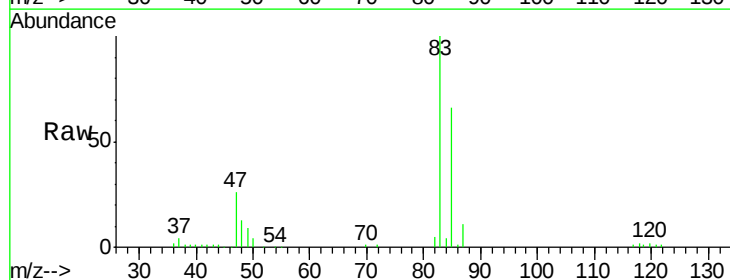
Manual Integrations  
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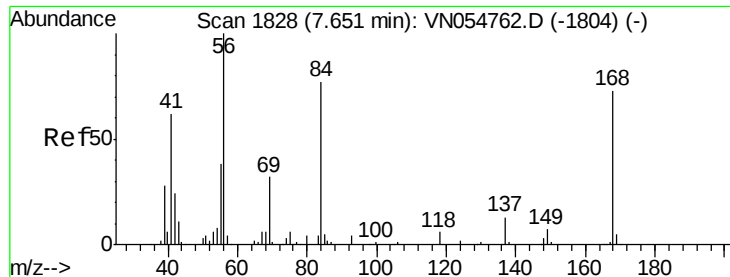
MMDadoda  
4/1/2019 12:50:10 PM



#30  
Chloroform  
Concen: 22.916 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.8  | 52.2  | 78.4  |





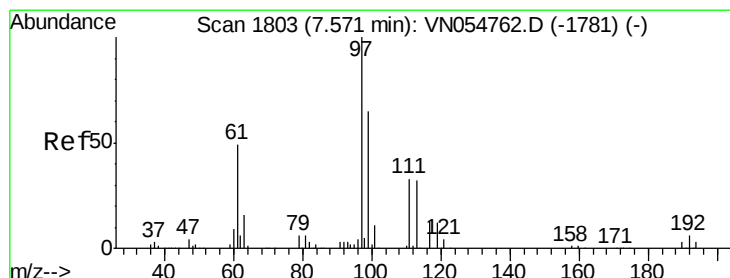
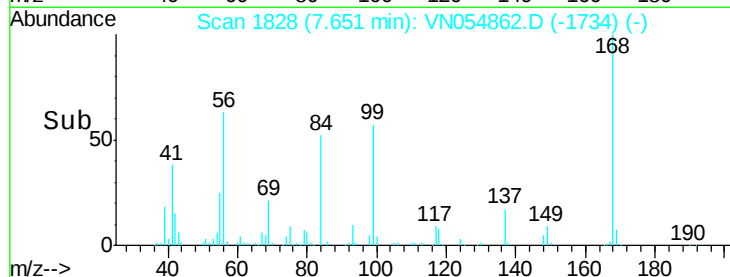
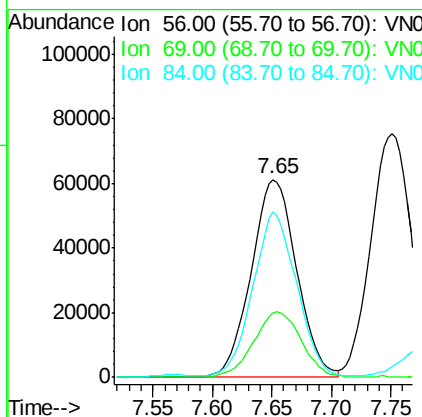
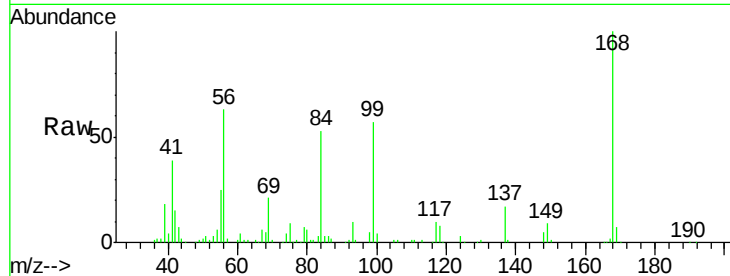
#31  
Cyclohexane  
Concen: 21.395 ug/l  
RT: 7.65 min Scan# 1828  
Delta R.T. 0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0331WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 32.6  | 27.8  | 41.6  |
| 84      | 82.6  | 74.6  | 111.8 |

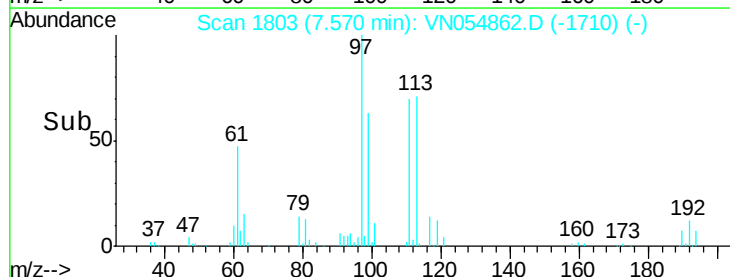
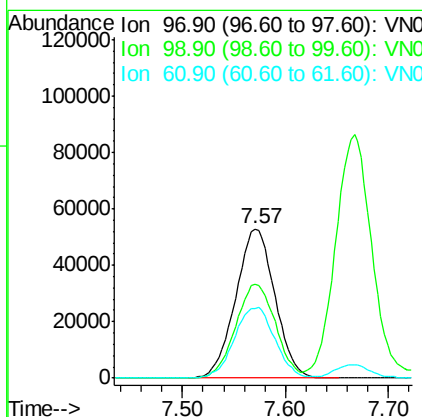
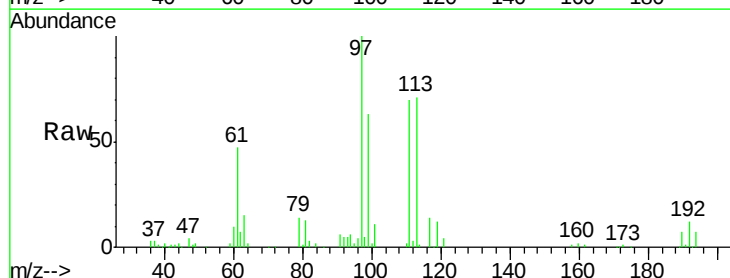
Manual Integrations  
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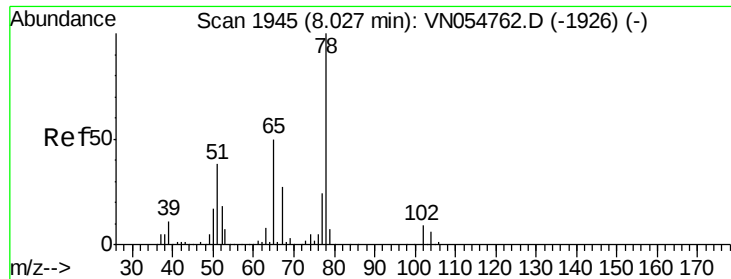
MMDadoda  
4/1/2019 12:50:10 PM



#32  
1,1,1-Trichloroethane  
Concen: 22.465 ug/l  
RT: 7.57 min Scan# 1803  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.9  | 51.5  | 77.3  |
| 61      | 49.0  | 33.6  | 50.4  |





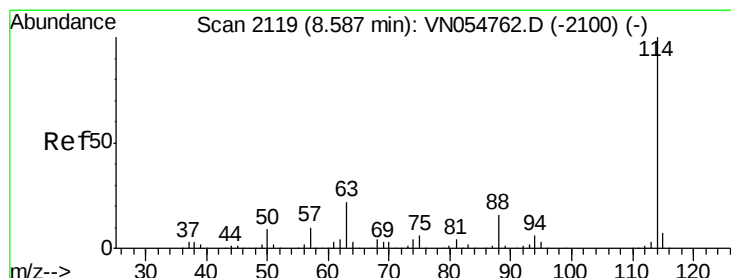
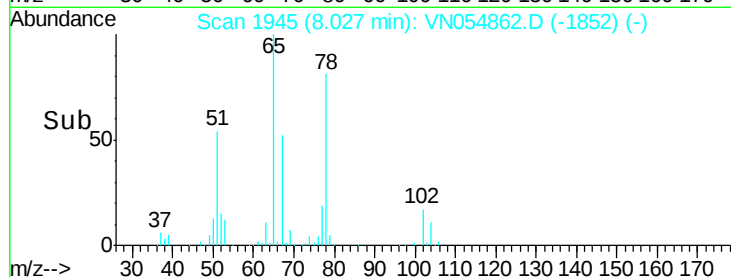
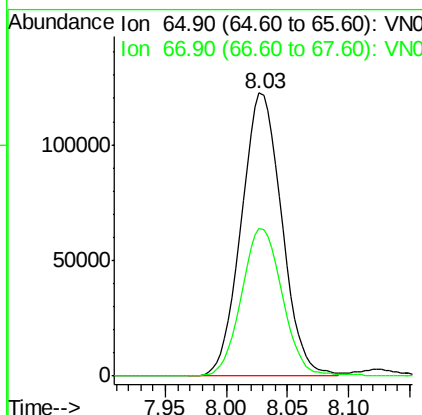
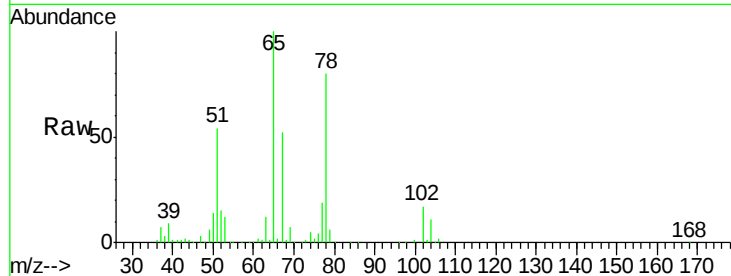
#33  
 1,2-Dichloroethane-d4  
 Concen: 54.048 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN054862.D  
 Acq: 31 Mar 2019 20:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0331WBSD02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 280882 |       |       |
| 67      | 52.7  | 0.0    | 104.6 |       |

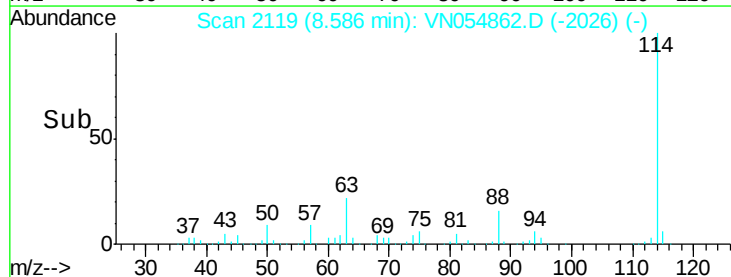
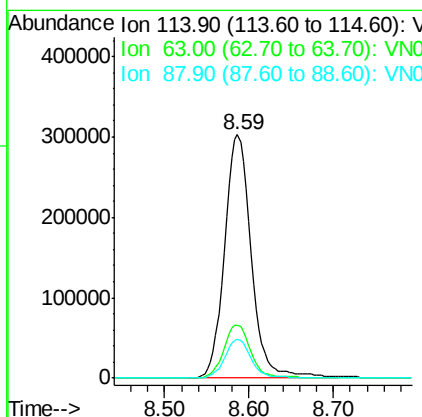
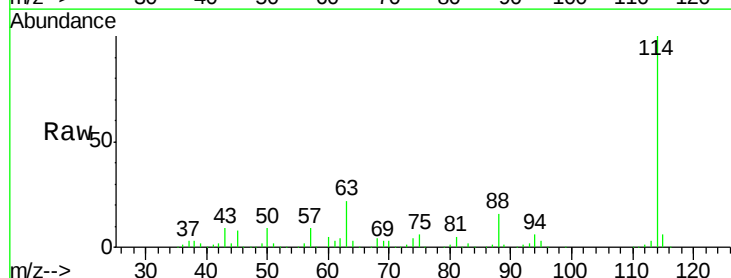
Manual Integrations  
 APPROVED

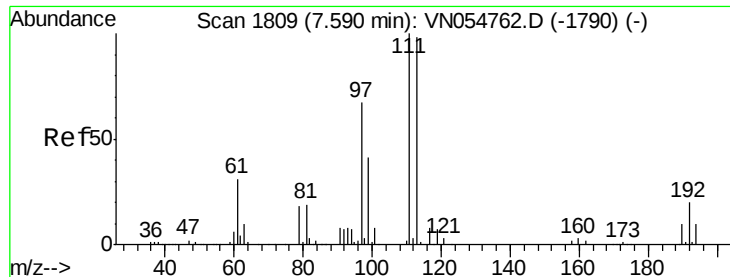
MMDadoda  
 4/1/2019 12:50:10 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN054862.D  
 Acq: 31 Mar 2019 20:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 666870 |       |       |
| 63      | 21.9  | 0.0    | 35.2  |       |
| 88      | 15.8  | 0.0    | 30.2  |       |





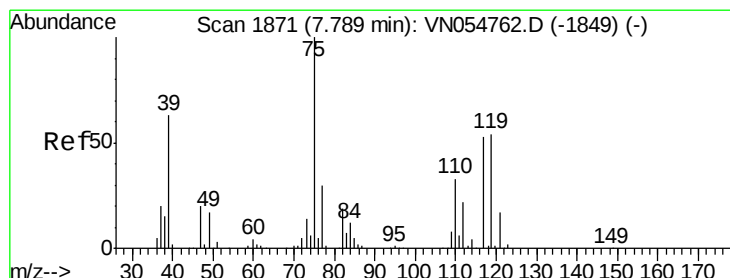
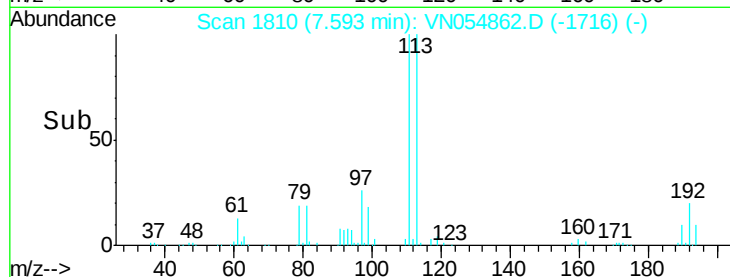
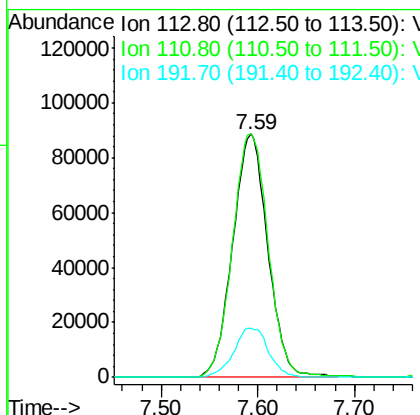
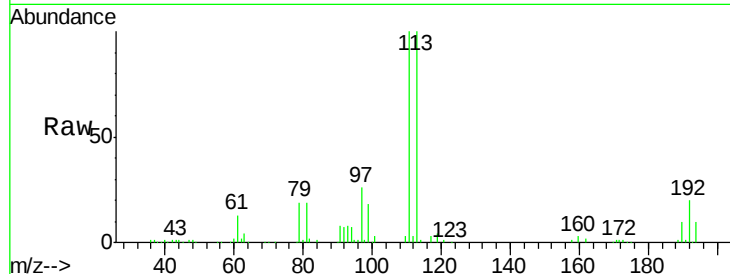
#35  
 Dibromofluoromethane  
 Concen: 50.184 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN054862.D  
 Acq: 31 Mar 2019 20:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0331WBSD02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 223116 |       |       |
| 111     | 102.2 | 82.2   | 123.4 |       |
| 192     | 20.1  | 19.2   | 28.8  |       |

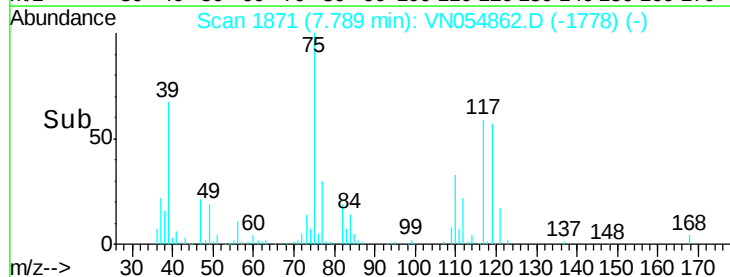
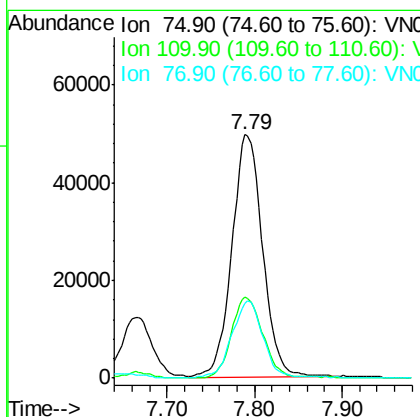
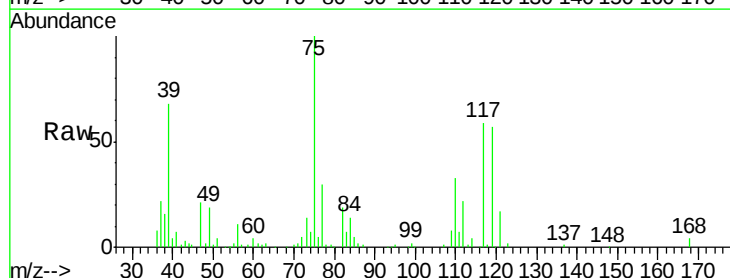
Manual Integrations  
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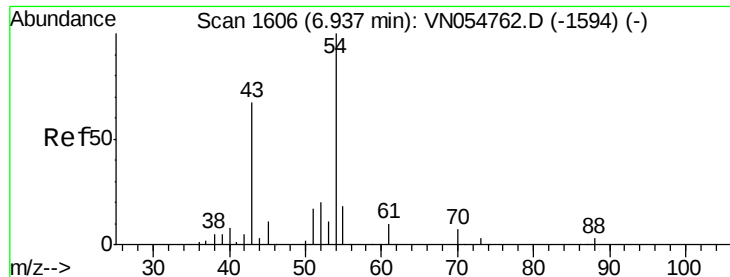
MMDadoda  
 4/1/2019 12:50:10 PM



#36  
 1,1-Dichloropropene  
 Concen: 19.554 ug/l  
 RT: 7.79 min Scan# 1871  
 Delta R.T. -0.00 min  
 Lab File: VN054862.D  
 Acq: 31 Mar 2019 20:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 121509 |       |       |
| 110     | 33.7  | 19.1   | 57.5  |       |
| 77      | 32.4  | 25.0   | 37.4  |       |





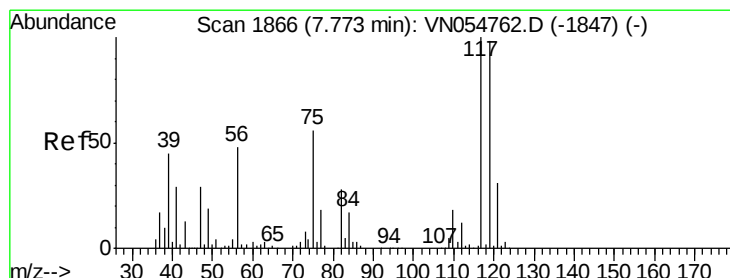
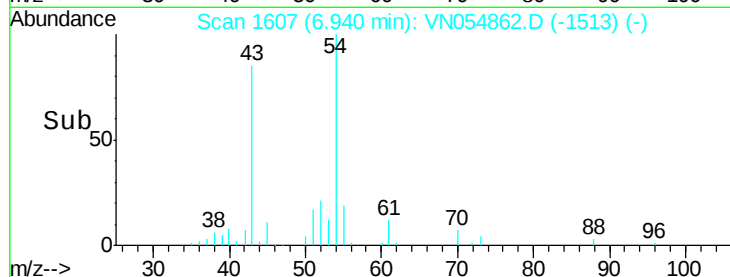
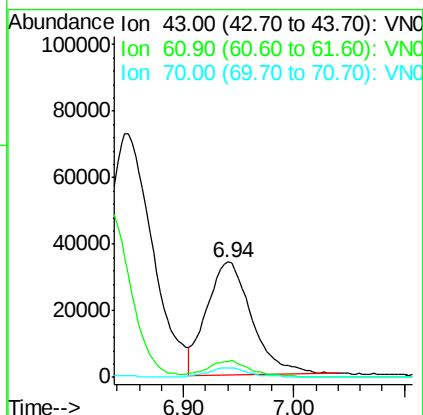
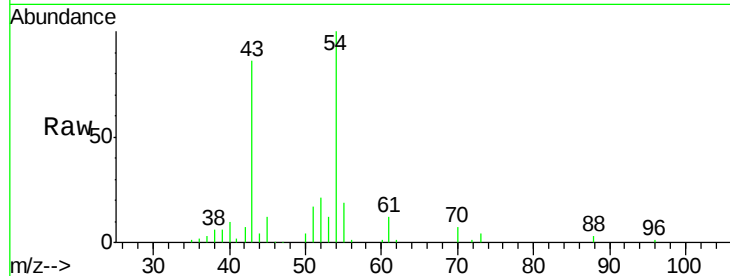
#37  
Ethyl Acetate  
Concen: 21.126 ug/l  
RT: 6.94 min Scan# 1607  
Delta R.T. 0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0331WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.4  | 11.8  | 17.6  |
| 70      | 8.1   | 8.4   | 12.6  |

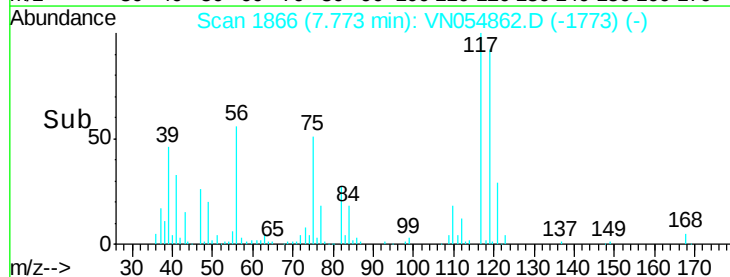
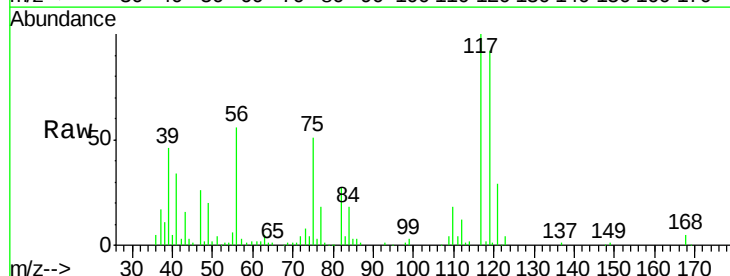
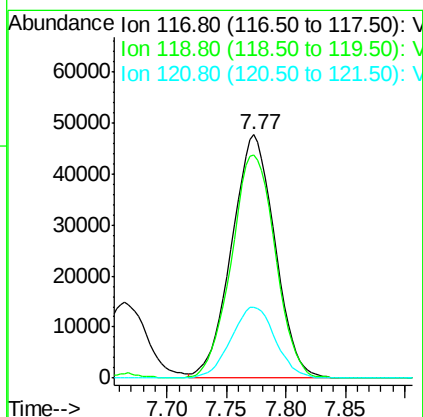
Manual Integrations  
APPROVED

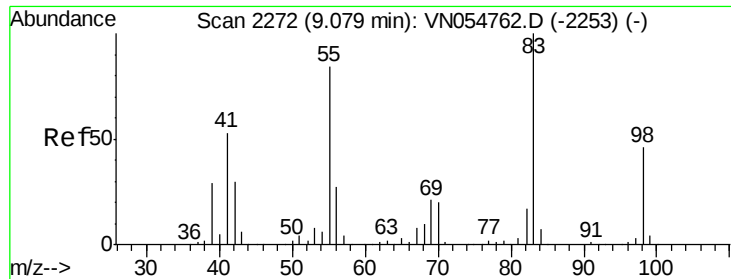
MMDadoda  
4/1/2019 12:50:10 PM



#38  
Carbon Tetrachloride  
Concen: 19.909 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 91.8  | 76.3  | 114.5 |
| 121     | 29.3  | 24.6  | 36.8  |





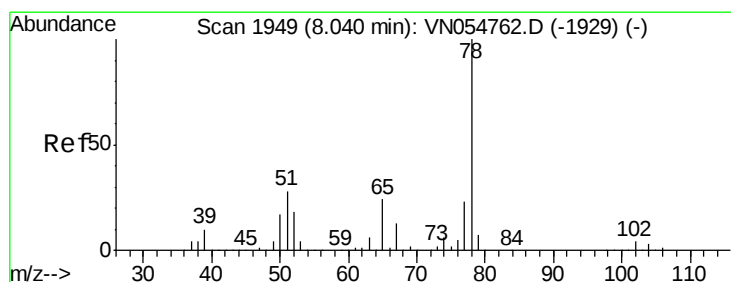
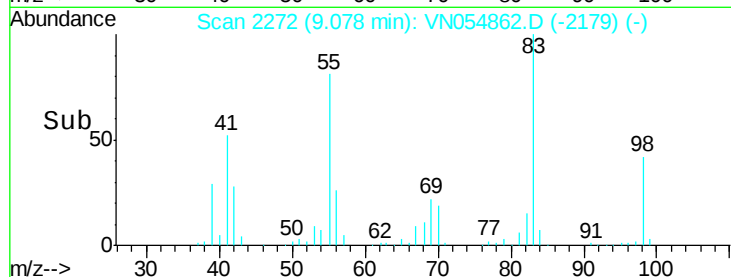
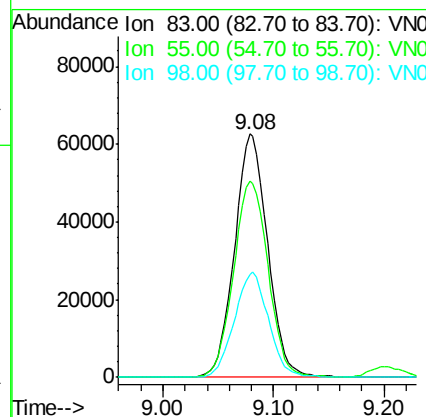
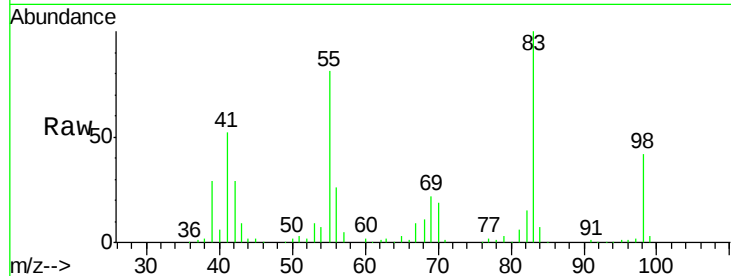
#39  
Methylcyclohexane  
Concen: 19.075 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0331WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 80.8  | 56.6  | 84.8  |
| 98      | 42.5  | 38.4  | 57.6  |

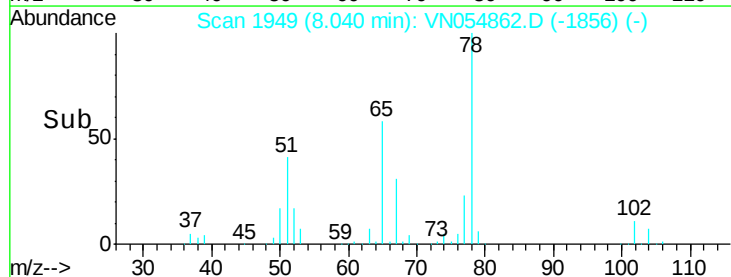
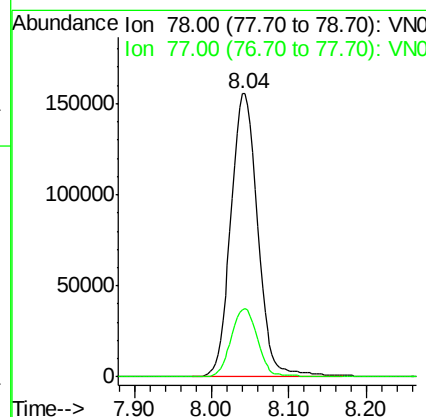
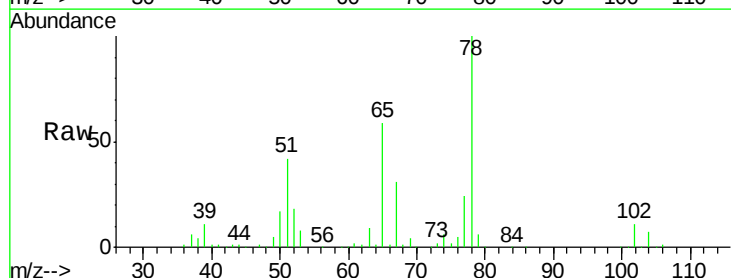
Manual Integrations  
APPROVED

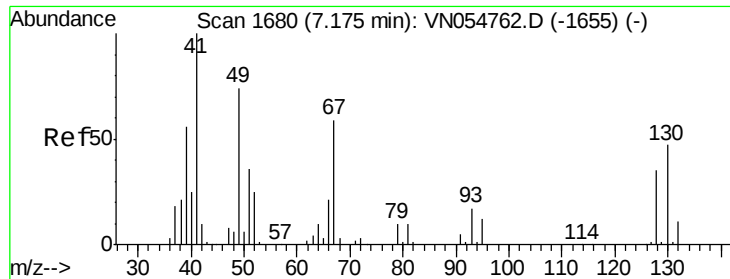
MMDadoda  
4/1/2019 12:50:10 PM



#40  
Benzene  
Concen: 21.137 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.7  | 19.1  | 28.7  |





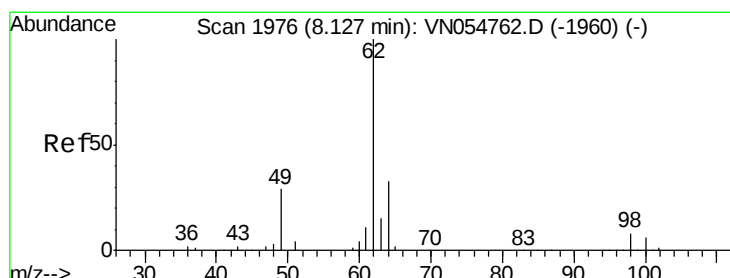
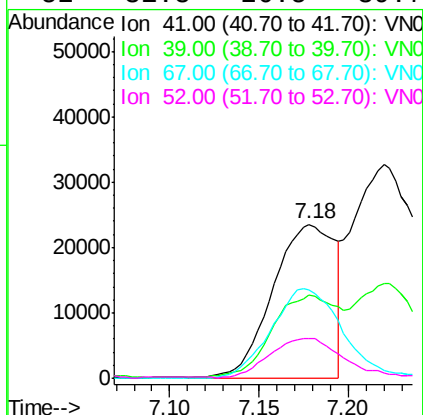
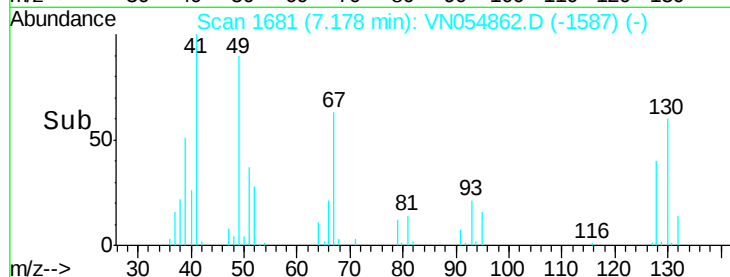
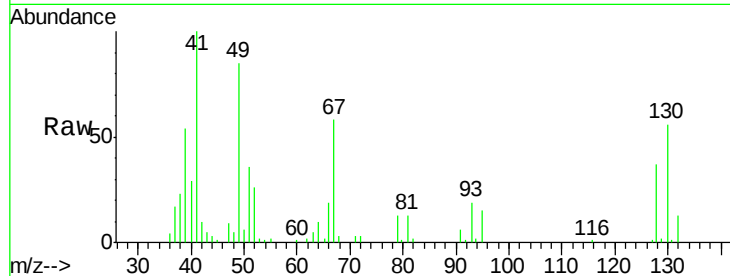
#41  
Methacrylonitrile  
Concen: 22.146 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0331WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 56.1  | 46.8  | 70.2  |
| 67      | 67.8  | 67.0  | 100.4 |
| 52      | 31.8  | 26.5  | 39.7  |

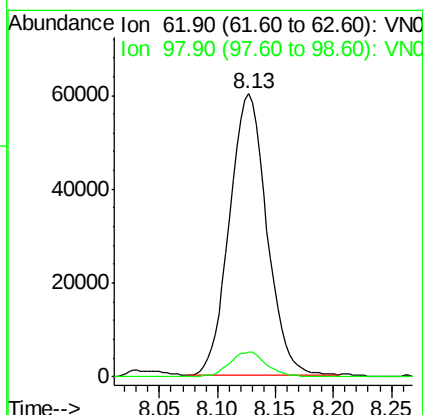
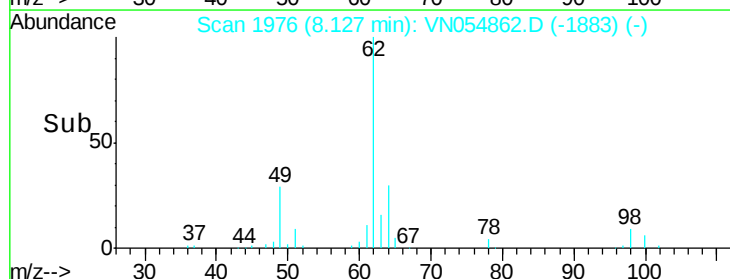
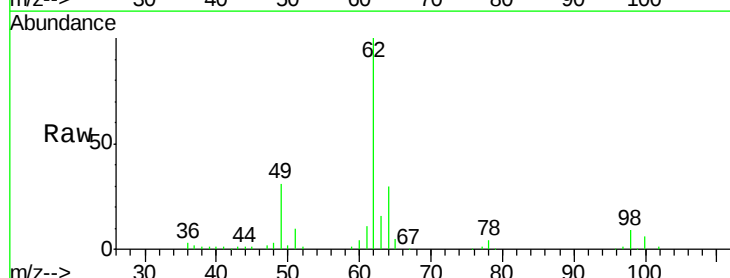
Manual Integrations  
APPROVED

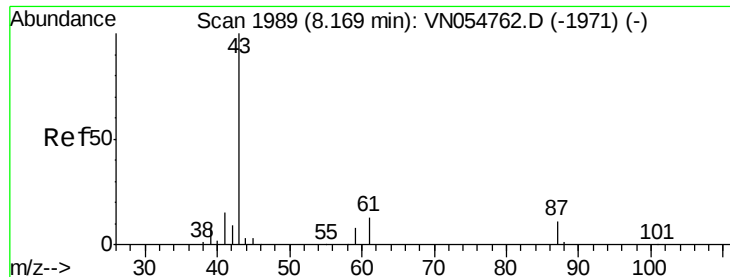
MMDadoda  
4/1/2019 12:50:10 PM



#42  
1,2-Dichloroethane  
Concen: 21.078 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 8.7   | 0.0   | 18.4  |





#43

Isopropyl Acetate

Concen: 22.942 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

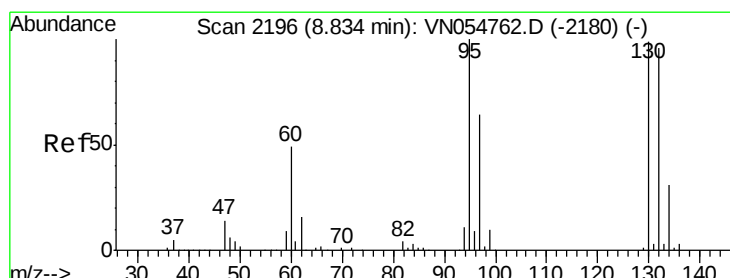
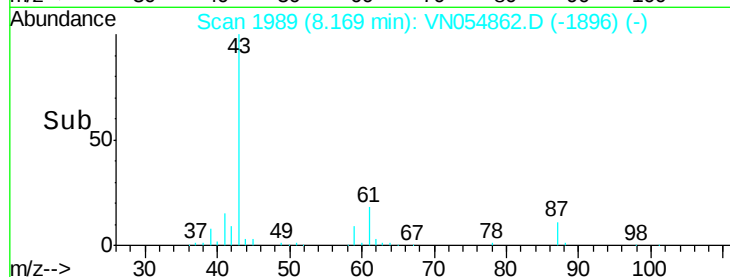
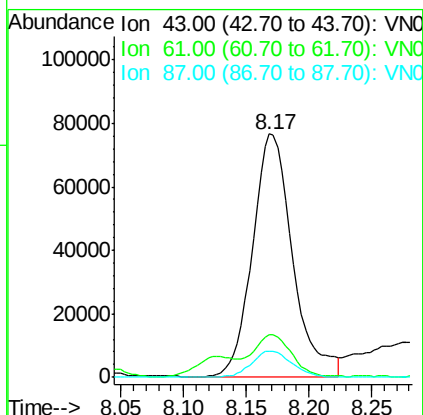
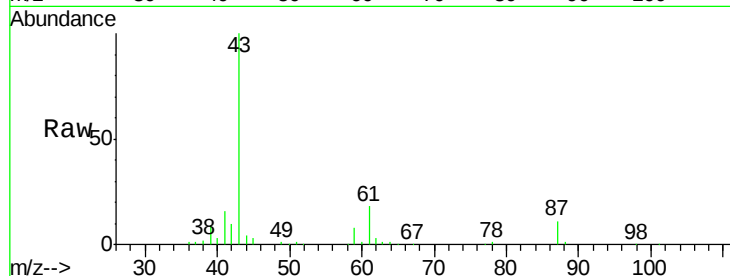
ClientSampleId :

VN0331WBSD02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 169868 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 16.1  | 15.8  | 23.8   |
| 87       | 10.9  | 12.0  | 18.0#  |

Manual Integrations  
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4/1/2019 12:50:10 PM



#44

Trichloroethene

Concen: 20.718 ug/l

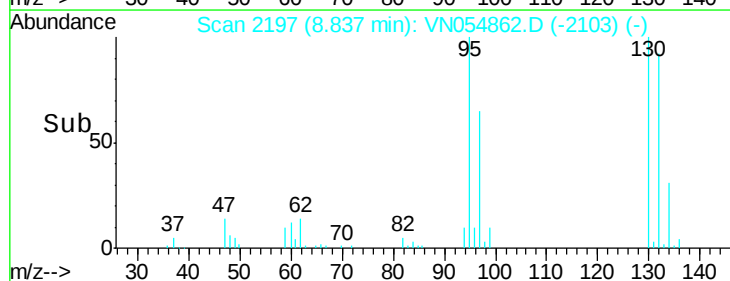
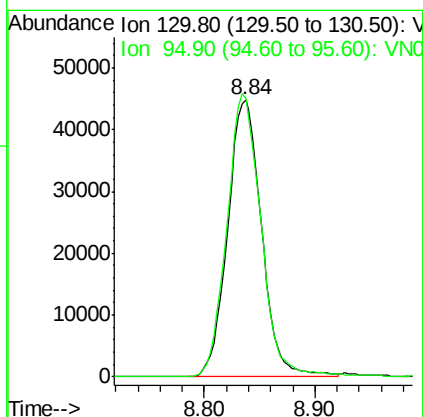
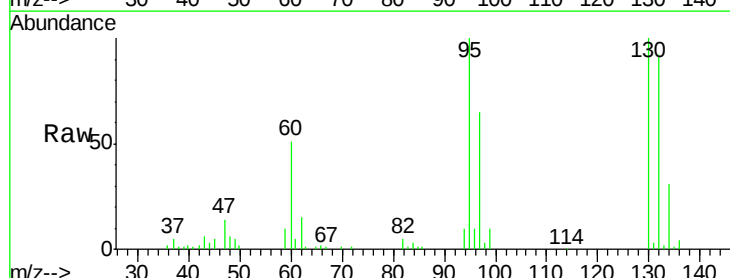
RT: 8.84 min Scan# 2197

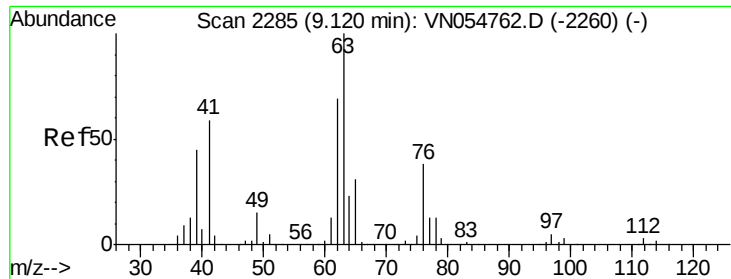
Delta R.T. 0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 95624 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 100.5 | 0.0   | 185.2 |





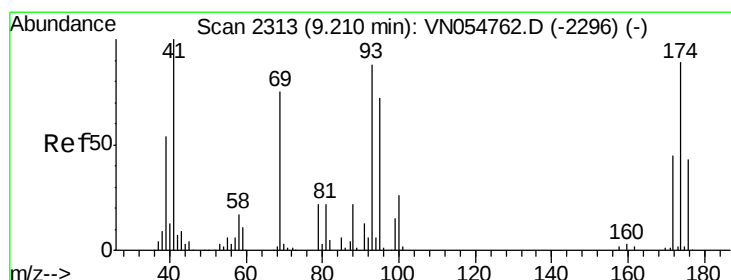
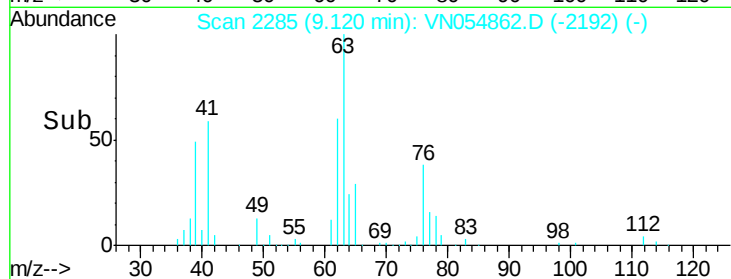
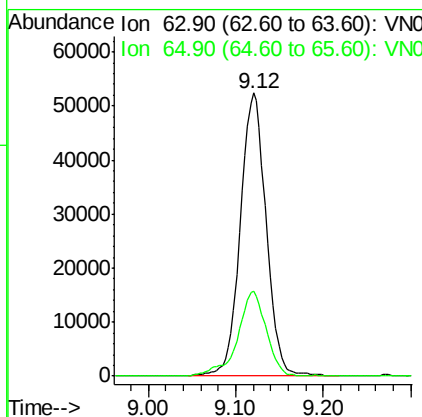
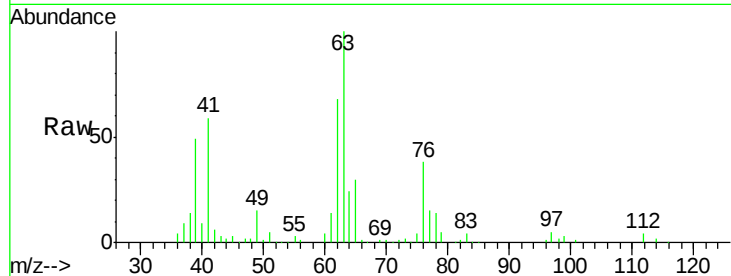
#45  
 1,2-Dichloropropane  
 Concen: 21.271 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. -0.00 min  
 Lab File: VN054862.D  
 Acq: 31 Mar 2019 20:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0331WBSD02

Tgt Ion: 63 Resp: 107844  
 Ion Ratio Lower Upper  
 63 100  
 65 30.1 25.0 37.6

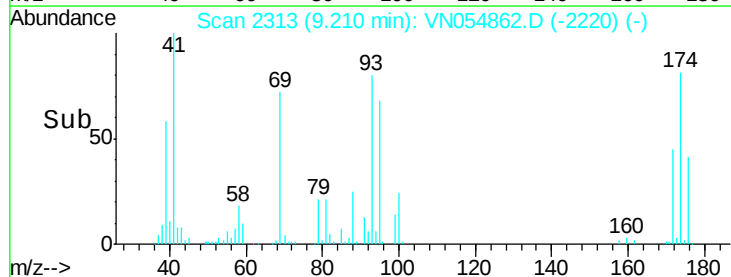
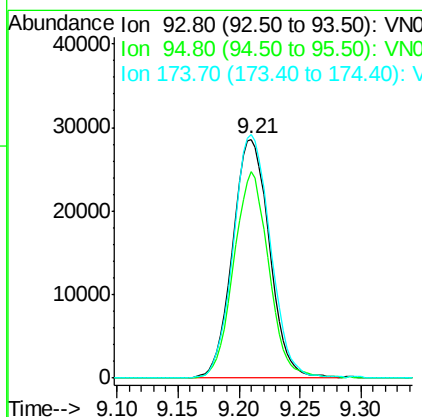
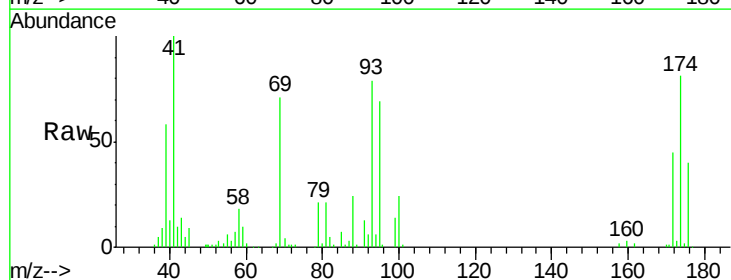
Manual Integrations  
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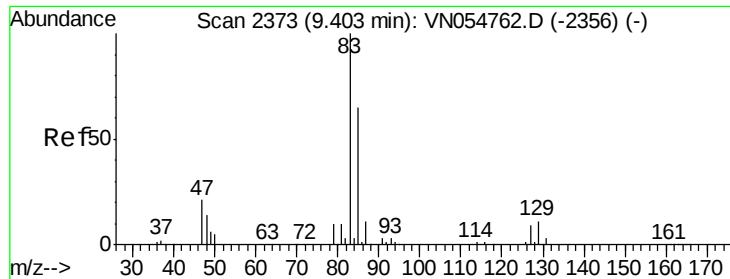
MMDadoda  
 4/1/2019 12:50:10 PM



#46  
 Dibromomethane  
 Concen: 21.023 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. -0.00 min  
 Lab File: VN054862.D  
 Acq: 31 Mar 2019 20:24

Tgt Ion: 93 Resp: 59958  
 Ion Ratio Lower Upper  
 93 100  
 95 81.9 66.7 100.1  
 174 102.7 98.5 147.7





#47

Bromodichloromethane

Concen: 21.491 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

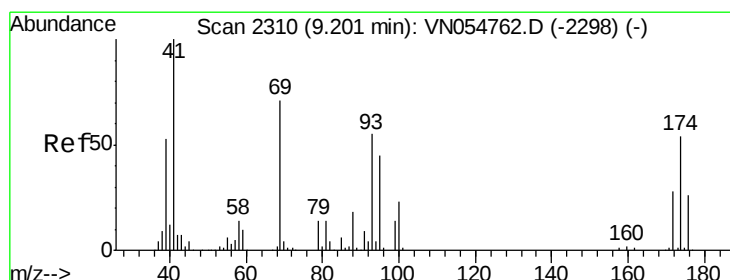
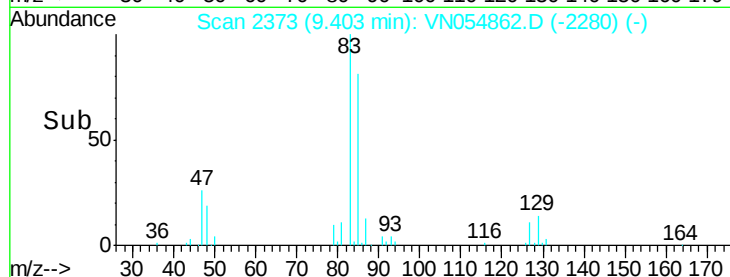
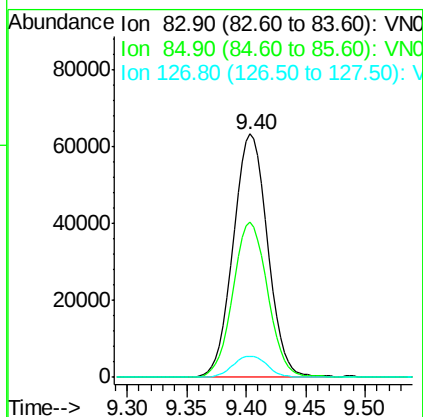
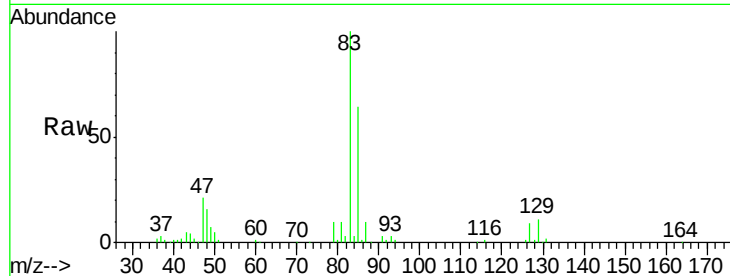
ClientSampleId :

VN0331WBSD02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 127383 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 63.9  | 52.8  | 79.2   |
| 127      | 8.7   | 7.4   | 11.2   |

Manual Integrations  
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4/1/2019 12:50:10 PM



#48

Methyl methacrylate

Concen: 20.737 ug/l

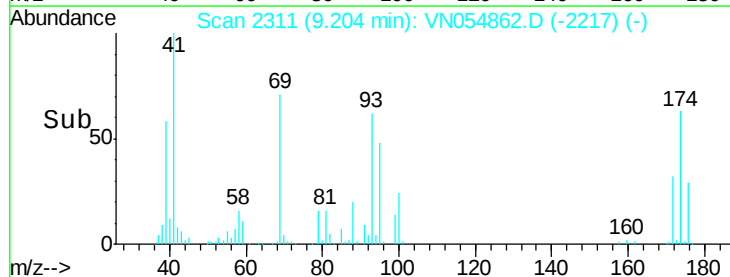
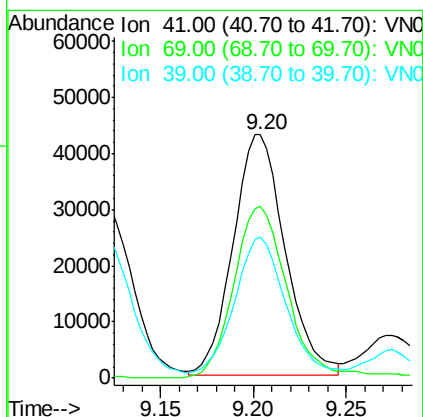
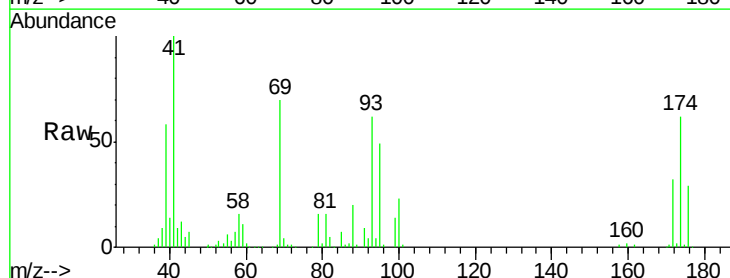
RT: 9.20 min Scan# 2311

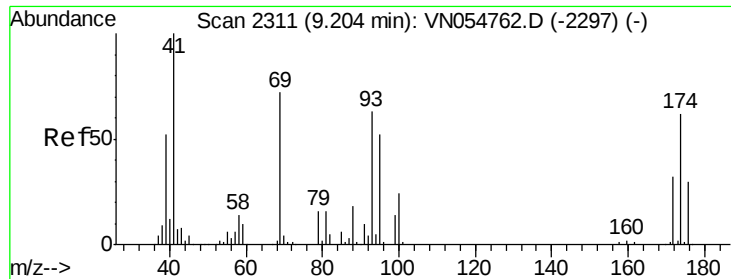
Delta R.T. 0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 83229 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 73.4  | 72.6  | 108.8 |
| 39       | 57.0  | 47.5  | 71.3  |





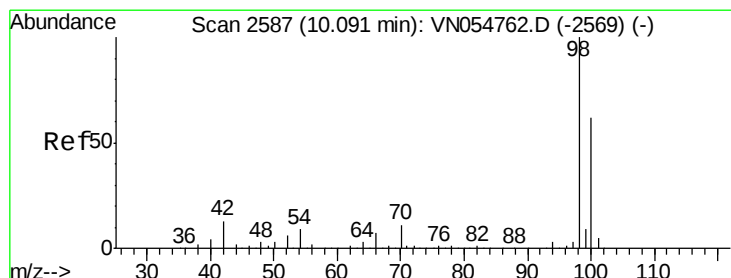
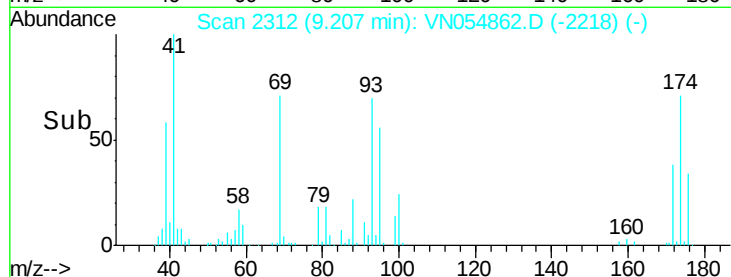
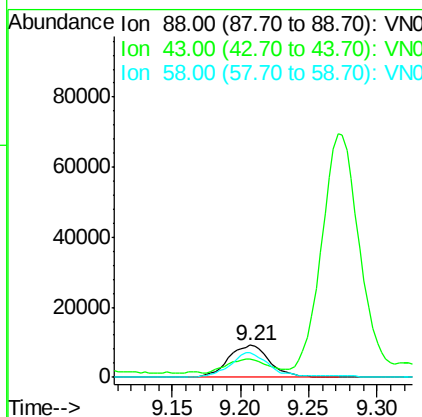
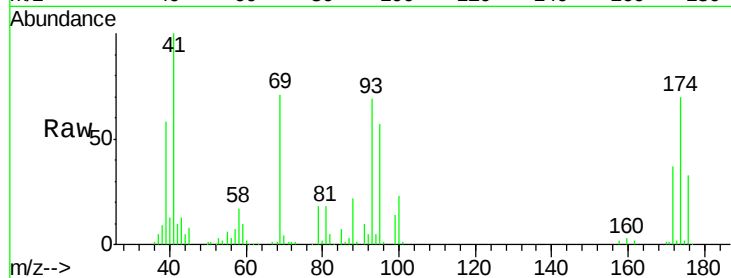
#49  
1,4-Dioxane  
Concen: 485.834 ug/l  
RT: 9.21 min Scan# 2312  
Delta R.T. 0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0331WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 40.1  | 24.1  | 36.1# |
| 58      | 74.1  | 50.8  | 76.2  |

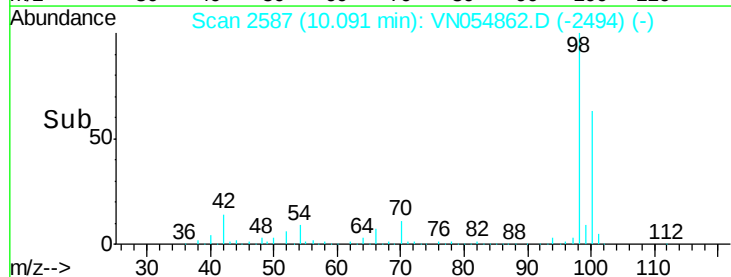
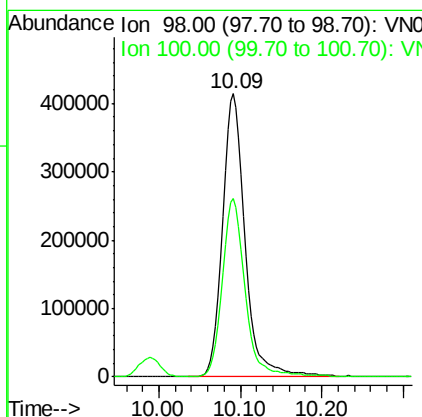
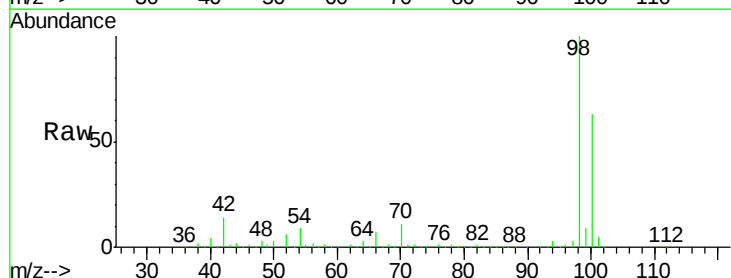
Manual Integrations  
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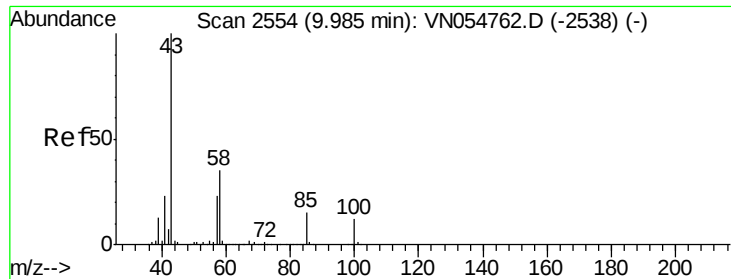
MMDadoda  
4/1/2019 12:50:10 PM



#50  
Toluene-d8  
Concen: 49.266 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.7  | 51.2  | 76.8  |





#51

4-Methyl-2-Pentanone

Concen: 112.754 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0331WBSD02

Tgt Ion: 43 Resp: 469376

Ion Ratio Lower Upper

43 100

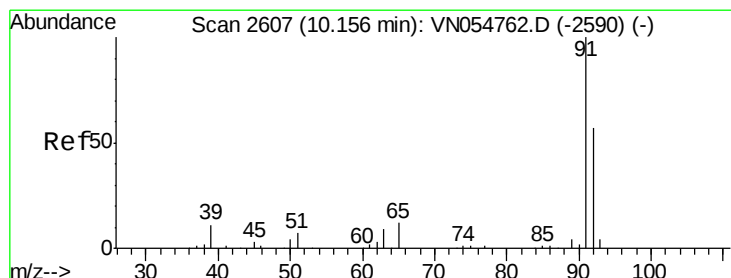
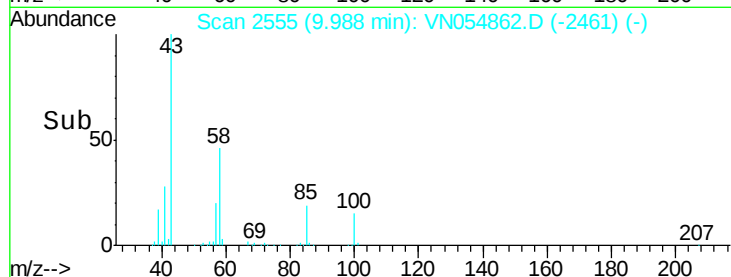
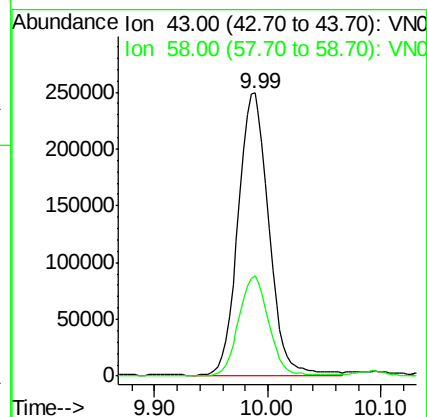
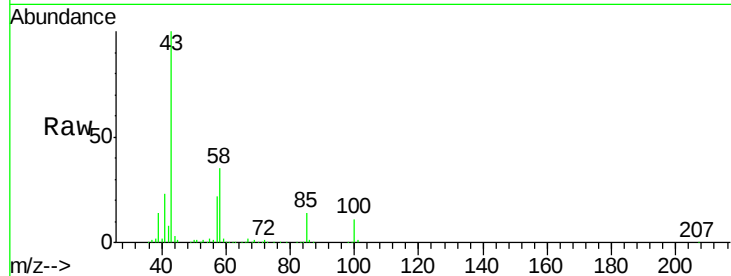
58 35.0 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 21.099 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054862.D

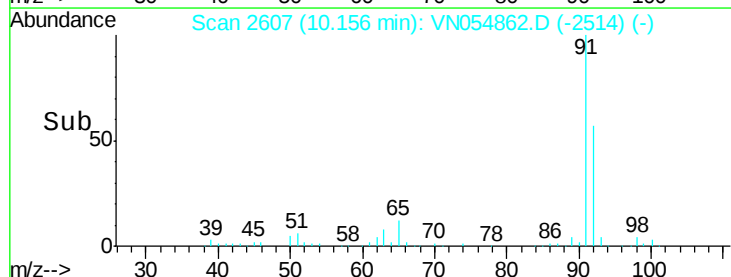
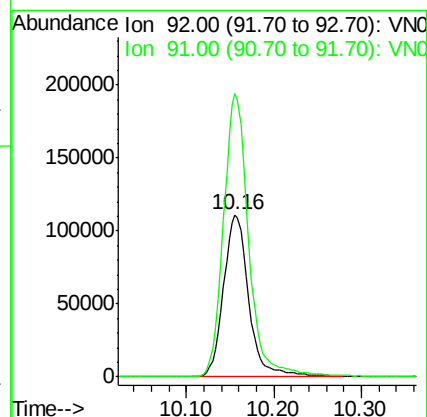
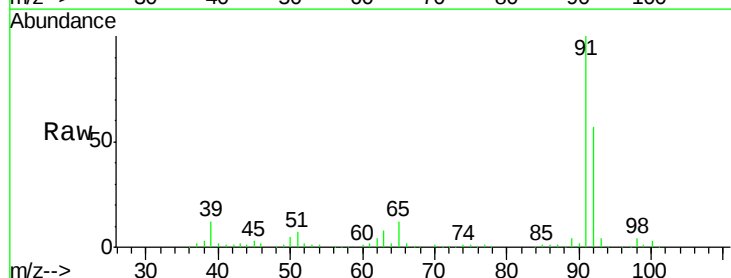
Acq: 31 Mar 2019 20:24

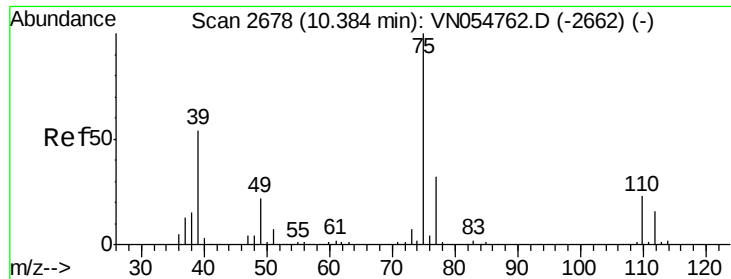
Tgt Ion: 92 Resp: 223234

Ion Ratio Lower Upper

92 100

91 174.6 140.7 211.1





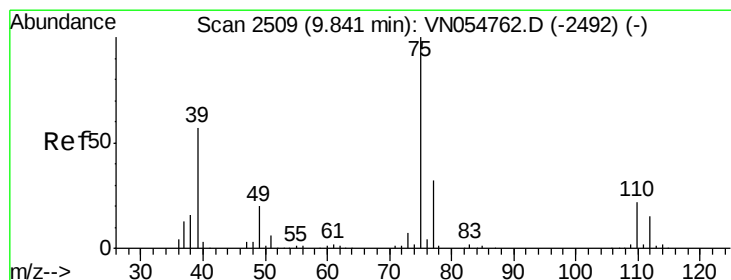
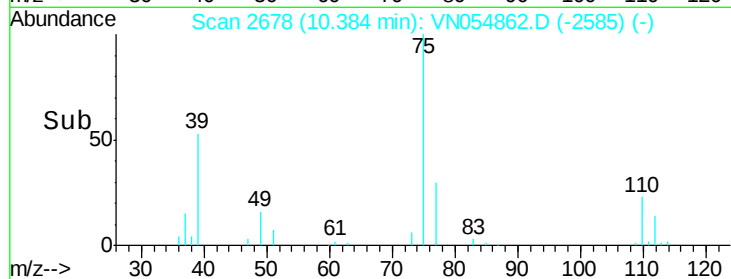
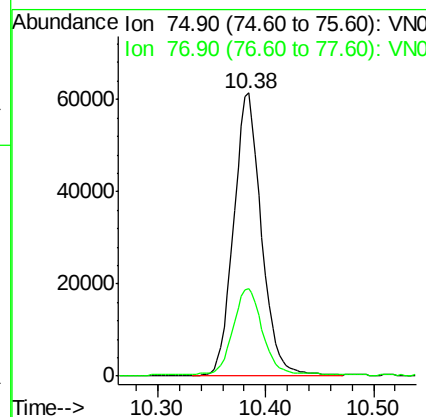
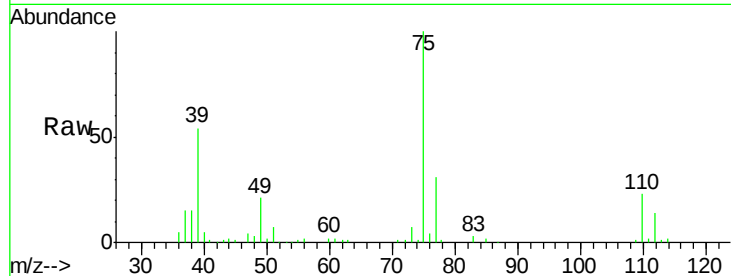
#53  
t-1,3-Dichloropropene  
Concen: 19.892 ug/l  
RT: 10.38 min Scan# 2678  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0331WBSD02

Tgt Ion: 75 Resp: 110911  
Ion Ratio Lower Upper  
75 100  
77 30.2 25.8 38.8

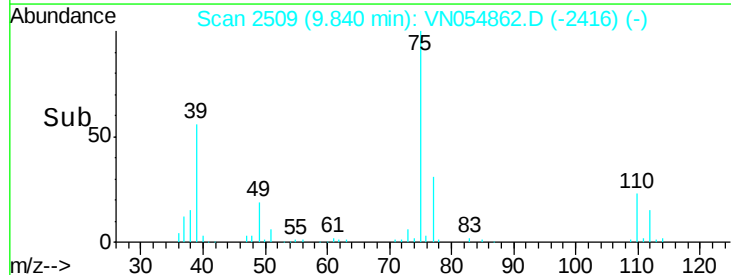
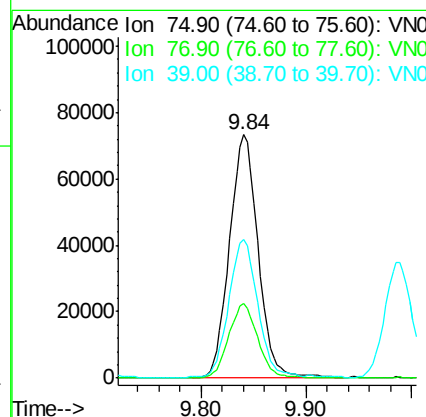
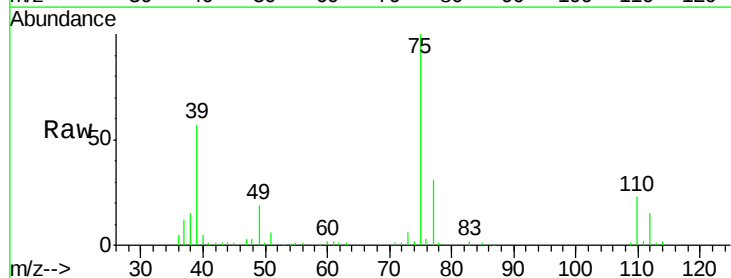
Manual Integrations  
APPROVED

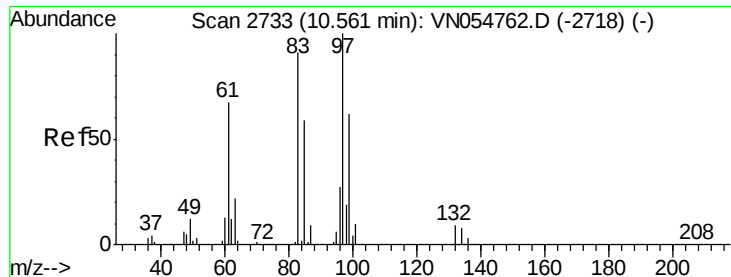
MMDadoda  
4/1/2019 12:50:10 PM



#54  
cis-1,3-Dichloropropene  
Concen: 20.732 ug/l  
RT: 9.84 min Scan# 2509  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Tgt Ion: 75 Resp: 138083  
Ion Ratio Lower Upper  
75 100  
77 30.6 25.4 38.0  
39 56.2 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 21.226 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

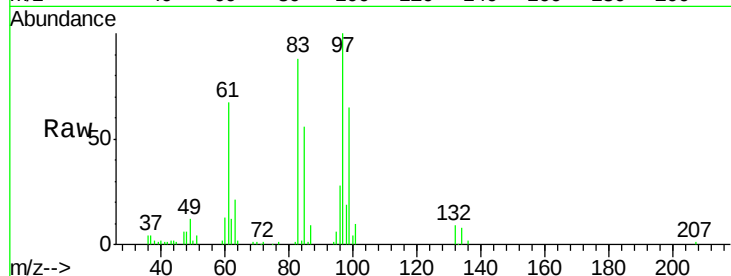
ClientSampleId :

VN0331WBSD02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 83504 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 88.2  | 66.6  | 100.0 |
| 85       | 55.8  | 44.4  | 66.6  |
| 99       | 64.9  | 50.8  | 76.2  |

Manual Integrations  
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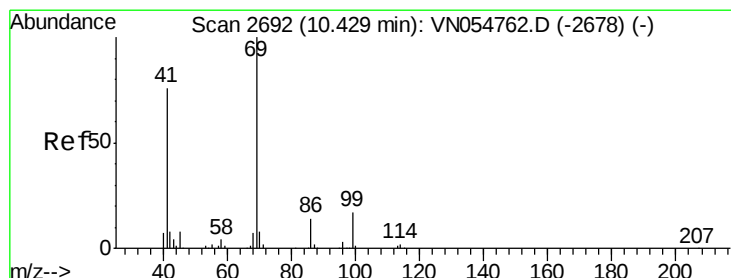
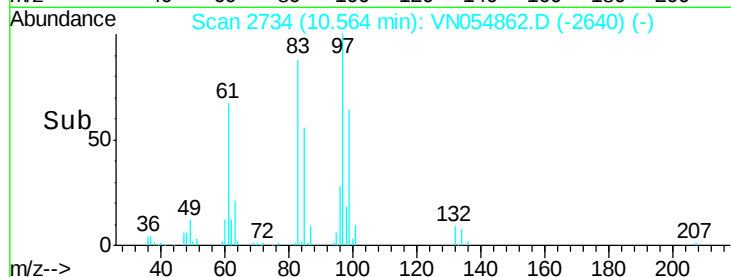
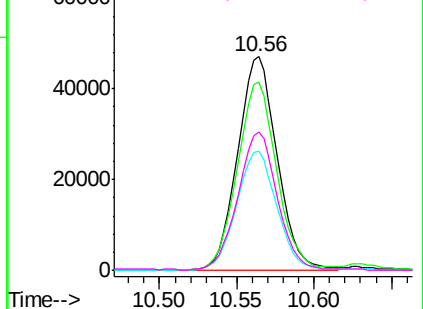


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.790 ug/l

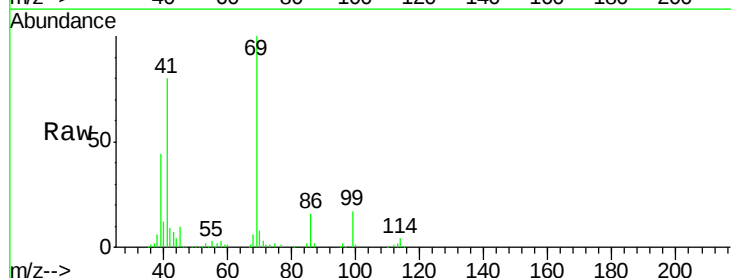
RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

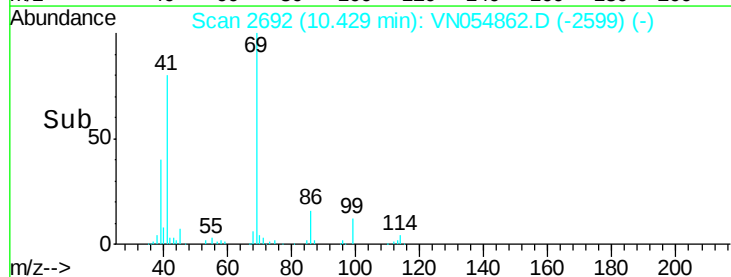
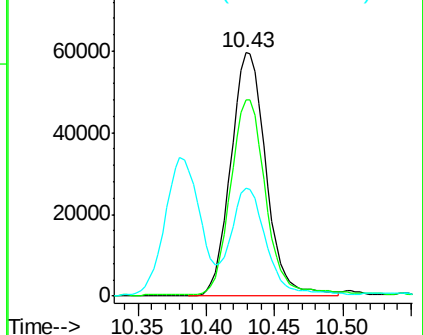
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 107292 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 79.2  | 49.4  | 74.2#  |
| 39       | 42.3  | 28.3  | 42.5   |

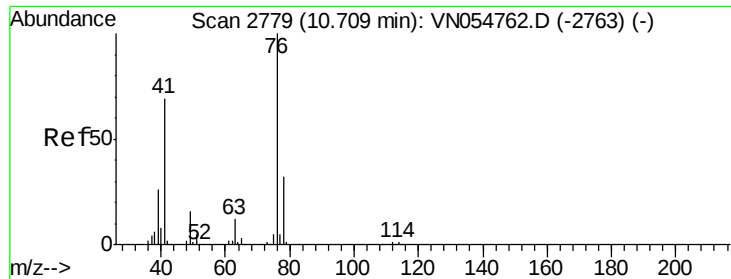


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





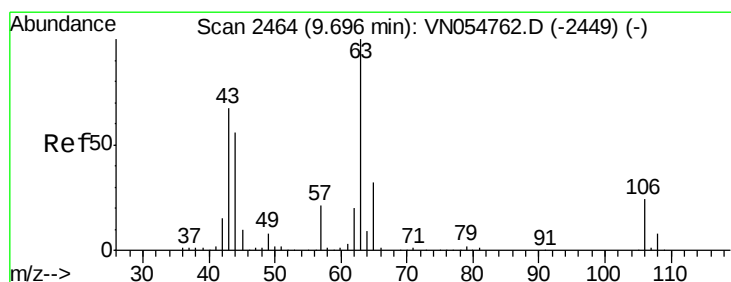
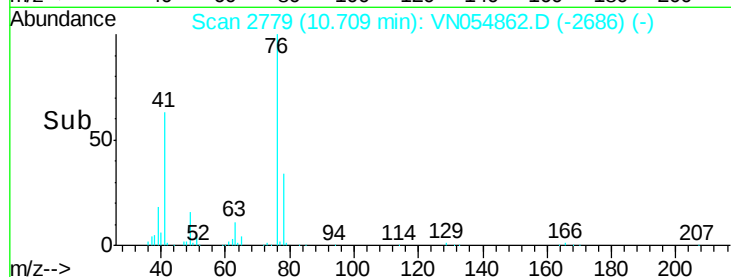
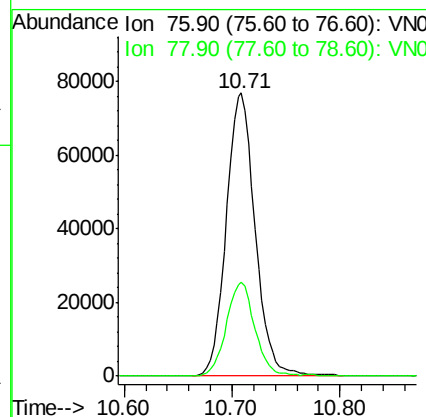
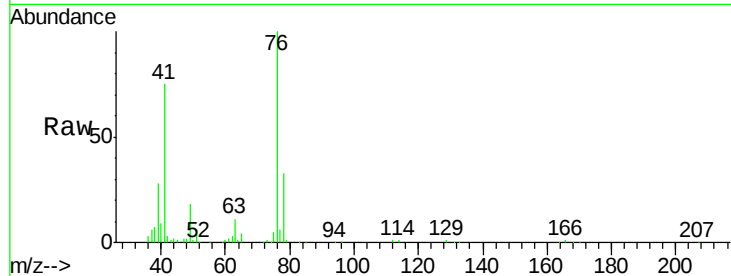
#57  
 1,3-Dichloropropane  
 Concen: 21.198 ug/l  
 RT: 10.71 min Scan# 2779  
 Delta R.T. -0.00 min  
 Lab File: VN054862.D  
 Acq: 31 Mar 2019 20:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0331WBSD02

Tgt Ion: 76 Resp: 143371  
 Ion Ratio Lower Upper  
 76 100  
 78 32.8 25.7 38.5

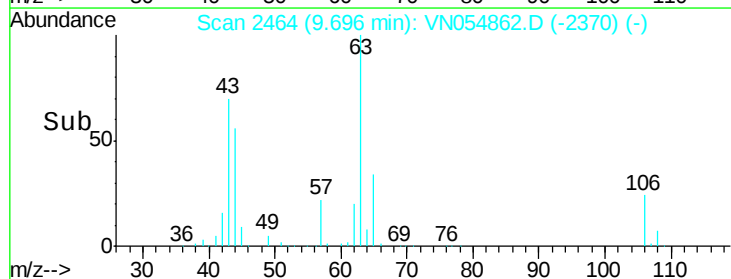
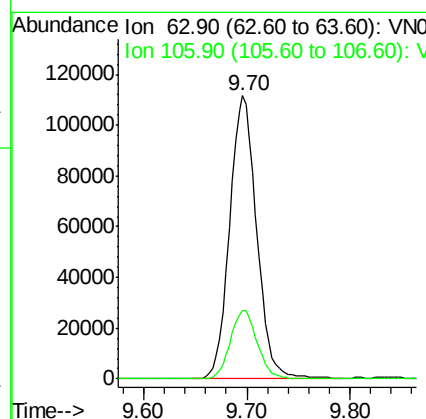
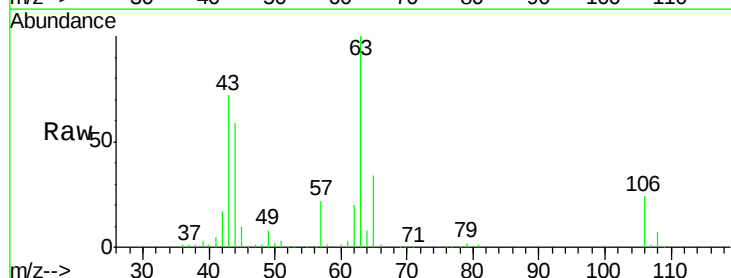
Manual Integrations  
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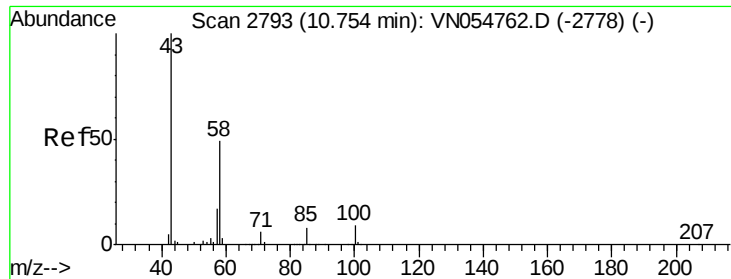
MMDadoda  
 4/1/2019 12:50:10 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 98.367 ug/l  
 RT: 9.70 min Scan# 2464  
 Delta R.T. 0.00 min  
 Lab File: VN054862.D  
 Acq: 31 Mar 2019 20:24

Tgt Ion: 63 Resp: 204106  
 Ion Ratio Lower Upper  
 63 100  
 106 24.1 24.4 36.6#





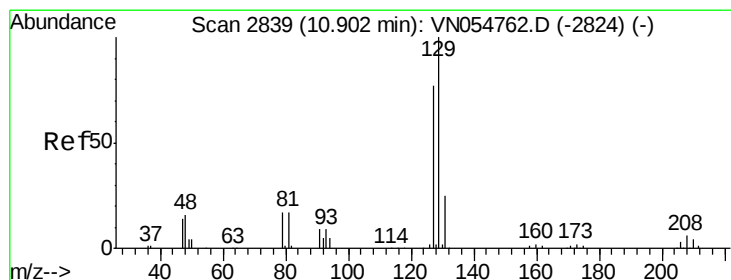
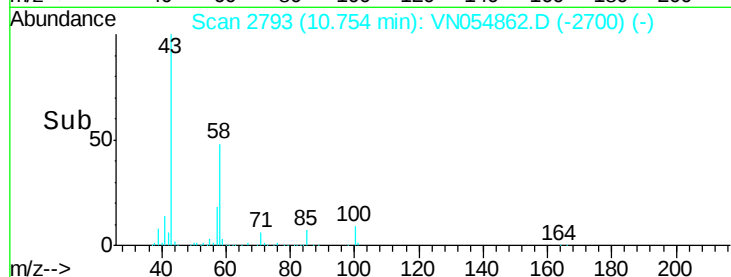
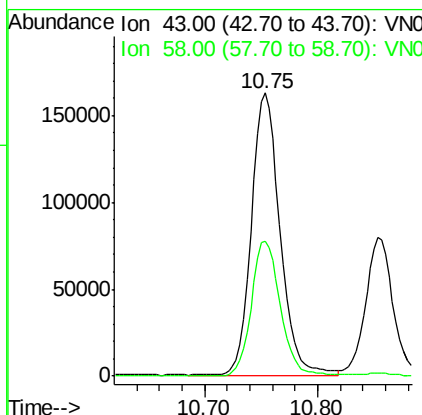
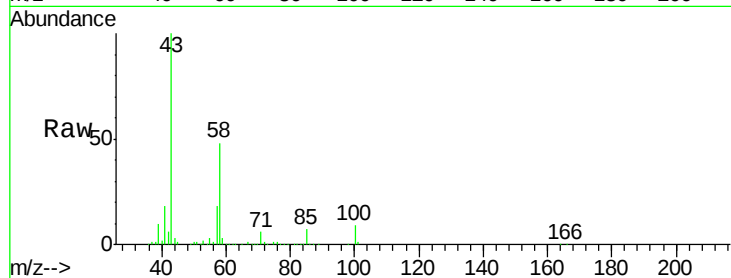
#59  
2-Hexanone  
Concen: 106.931 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0331WBSD02

Tgt Ion: 43 Resp: 284959  
Ion Ratio Lower Upper  
43 100  
58 49.0 28.0 83.9

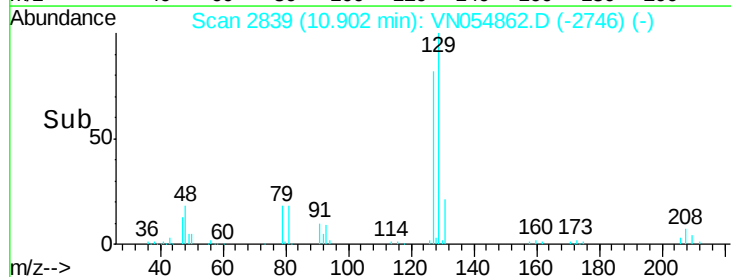
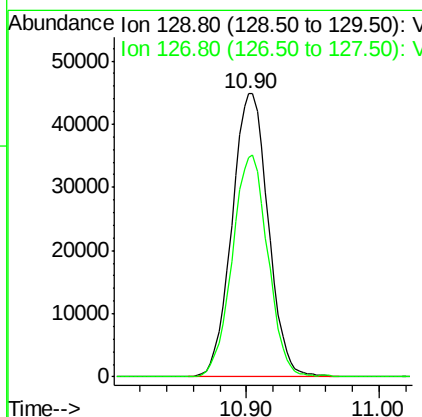
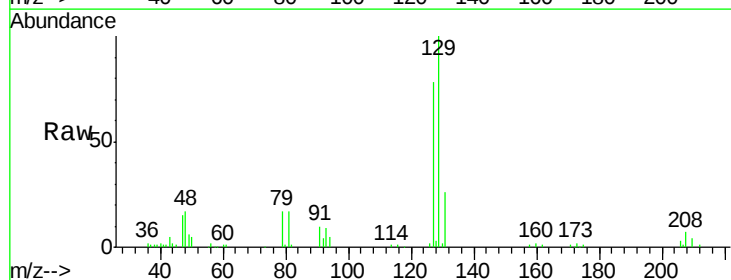
Manual Integrations  
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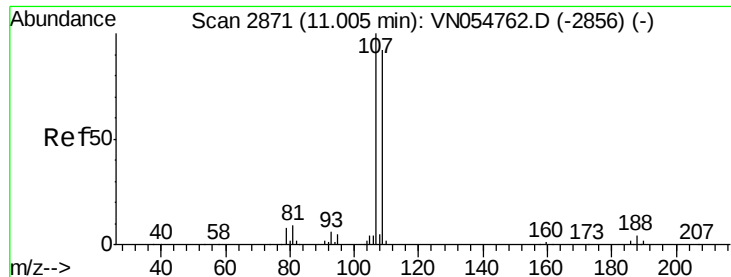
MMDadoda  
4/1/2019 12:50:10 PM



#60  
Dibromochloromethane  
Concen: 21.359 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Tgt Ion: 129 Resp: 85118  
Ion Ratio Lower Upper  
129 100  
127 76.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.865 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0331WBSD02

Tgt Ion: 107 Resp: 82202

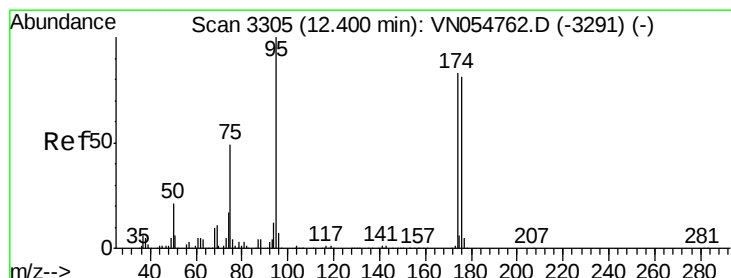
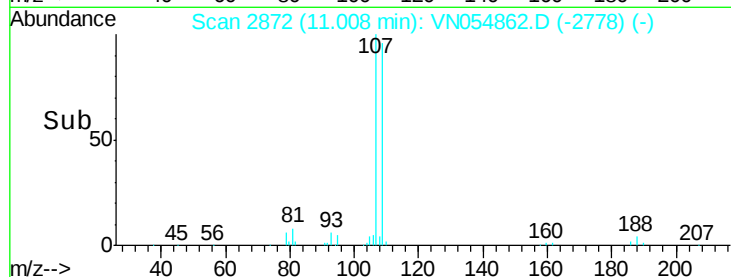
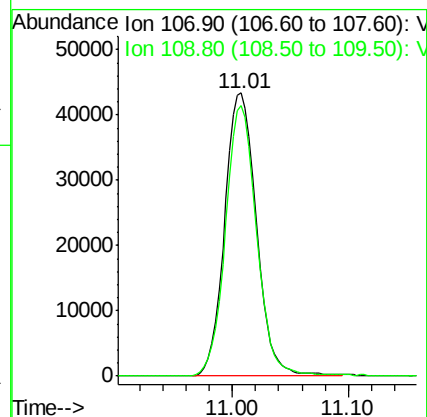
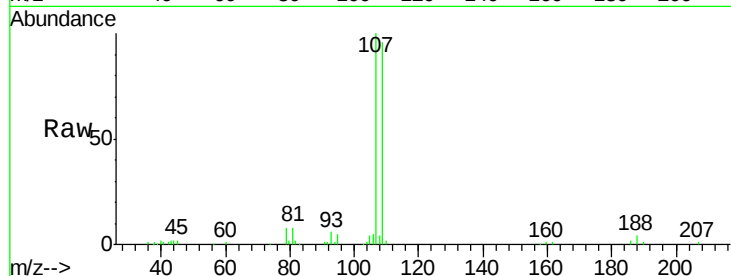
Ion Ratio Lower Upper

107 100

109 93.5 75.9 113.9

Manual Integrations  
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4/1/2019 12:50:10 PM



#62

4-Bromofluorobenzene

Concen: 48.052 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

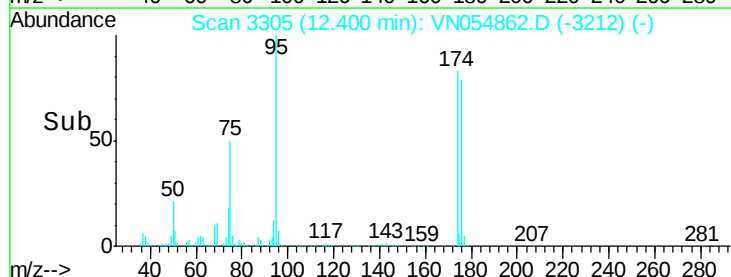
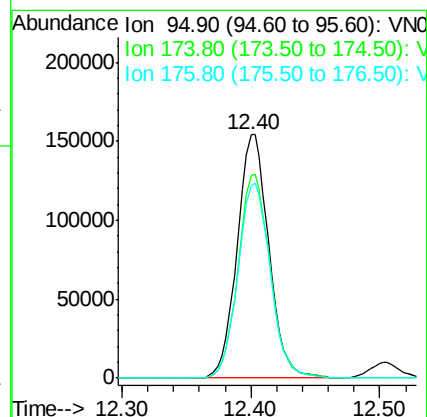
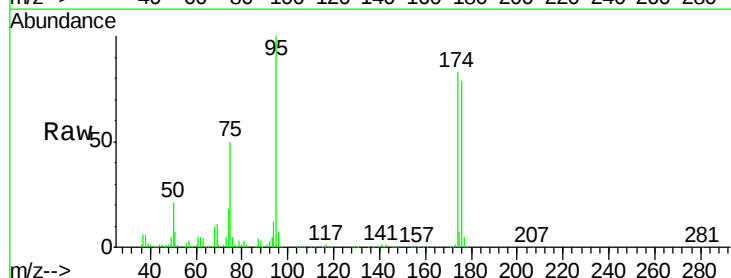
Tgt Ion: 95 Resp: 264152

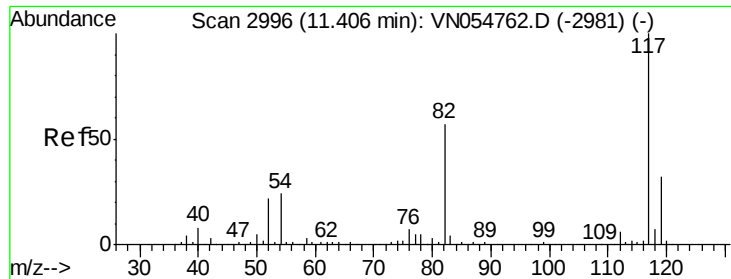
Ion Ratio Lower Upper

95 100

174 84.5 0.0 191.0

176 81.7 0.0 187.4





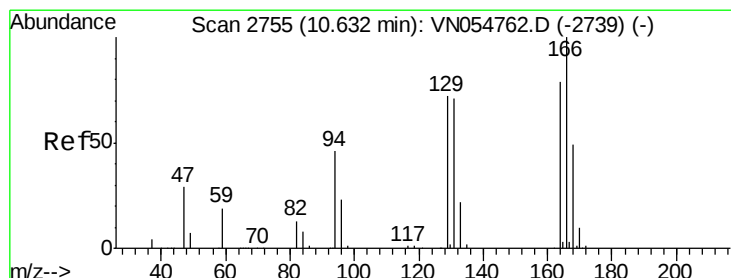
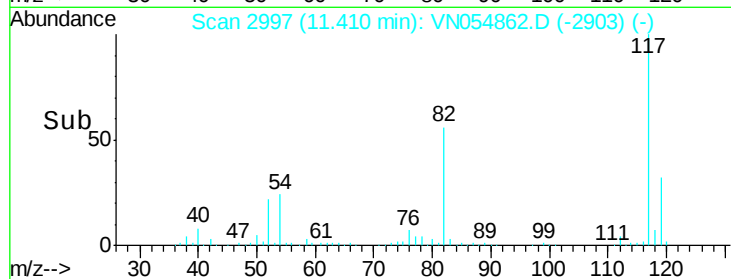
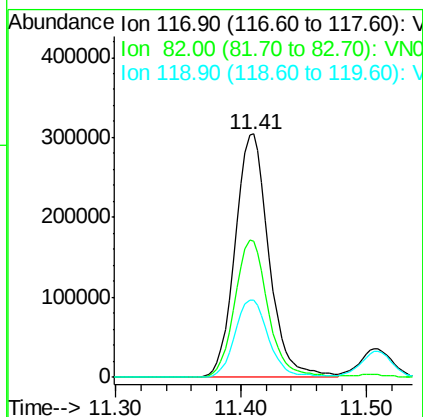
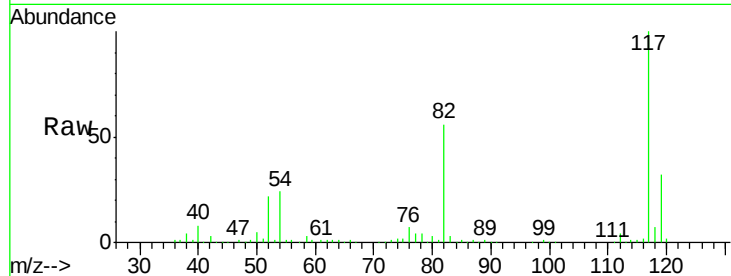
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0331WBSD02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 569518 |       |       |
| 82      | 56.1  | 40.0   | 60.0  |       |
| 119     | 31.8  | 25.8   | 38.6  |       |

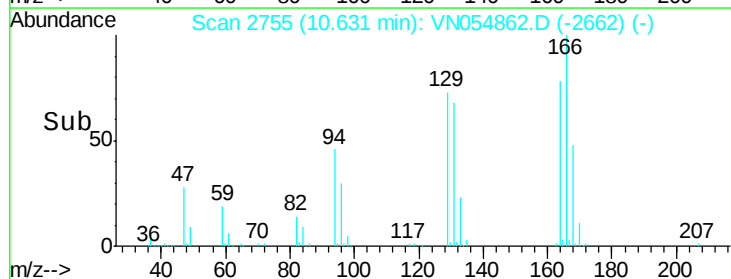
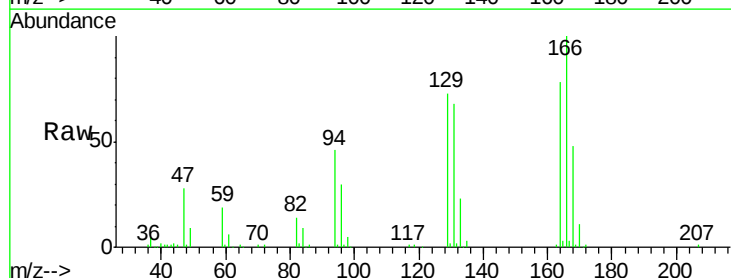
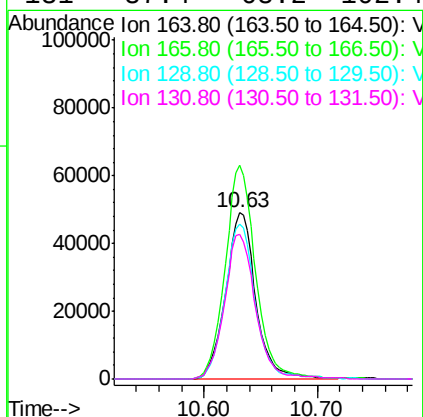
Manual Integrations  
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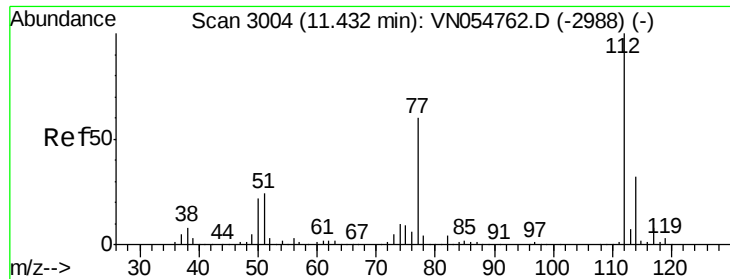
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#64  
Tetrachloroethene  
Concen: 20.752 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 90692 |       |       |
| 166     | 128.8 | 103.9 | 155.9 |       |
| 129     | 93.6  | 71.1  | 106.7 |       |
| 131     | 87.4  | 68.2  | 102.4 |       |





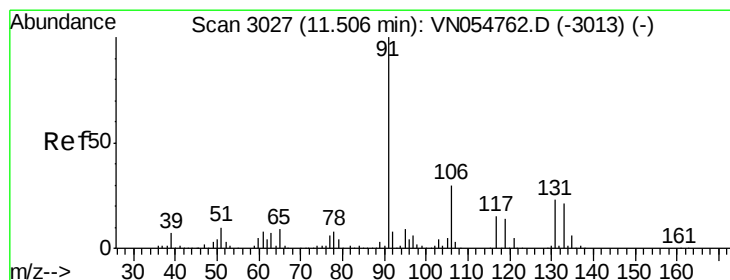
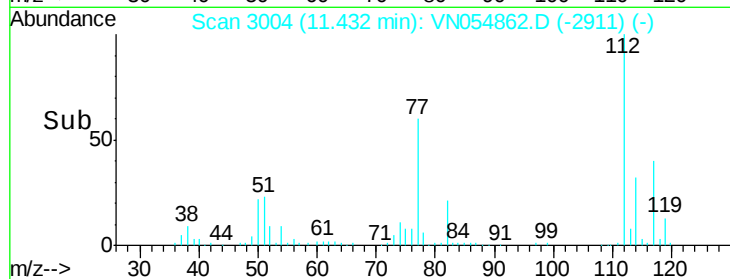
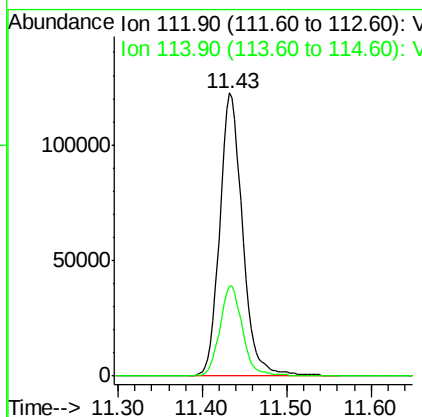
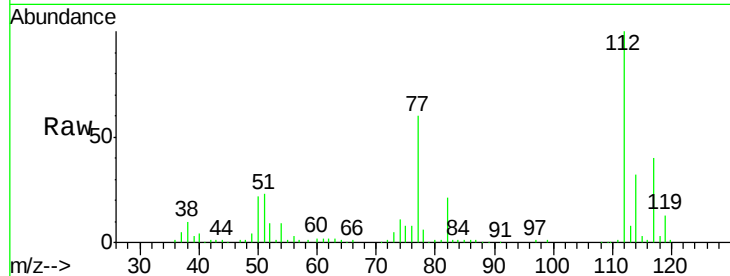
#65  
Chlorobenzene  
Concen: 20.680 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0331WBSD02

Tgt Ion:112 Resp: 230590  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.9 38.9

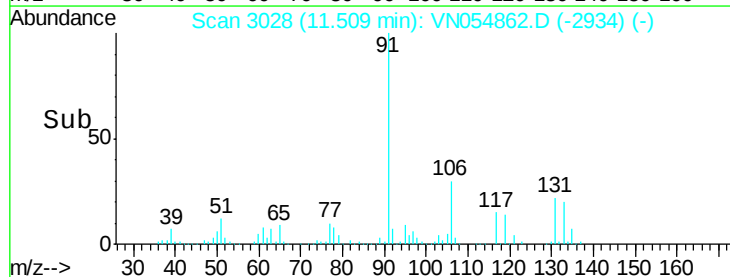
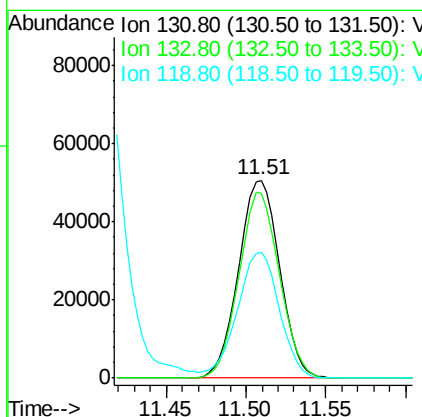
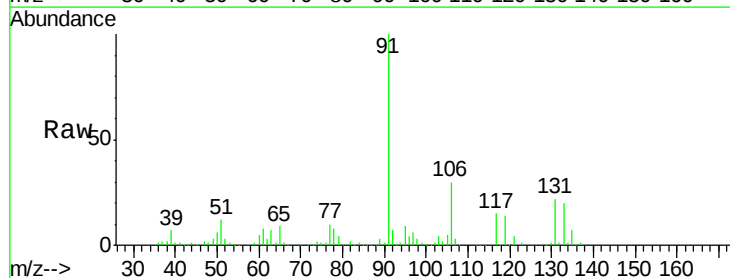
Manual Integrations  
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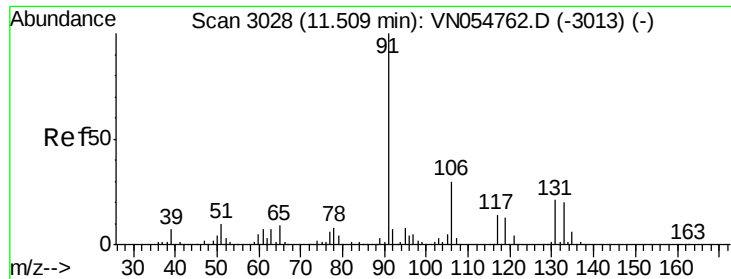
MMDadoda  
4/1/2019 12:50:10 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.211 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Tgt Ion:131 Resp: 88527  
Ion Ratio Lower Upper  
131 100  
133 92.4 47.6 142.9  
119 65.4 32.4 97.0





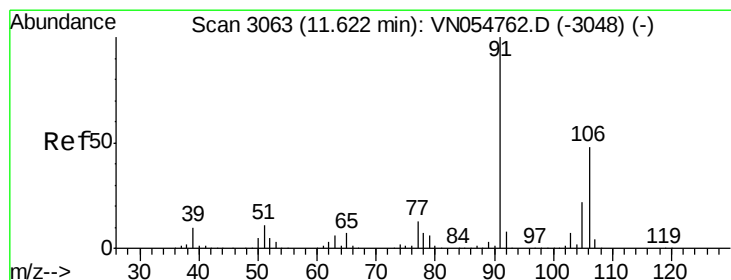
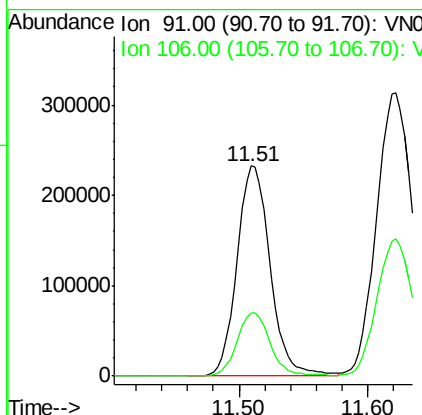
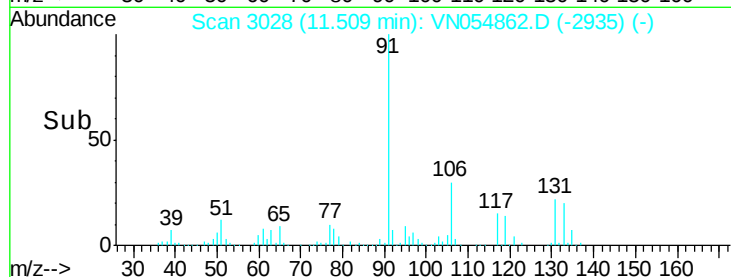
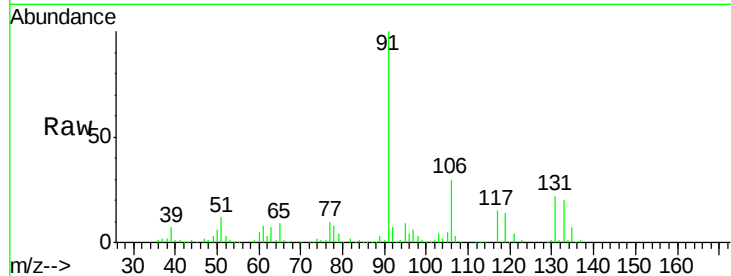
#67  
Ethyl Benzene  
Concen: 20.705 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0331WBSD02

Tgt Ion: 91 Resp: 416624  
Ion Ratio Lower Upper  
91 100  
106 30.3 25.5 38.3

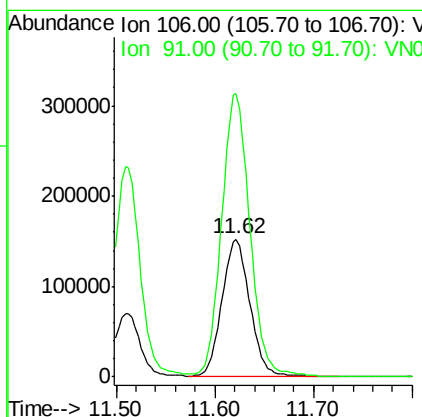
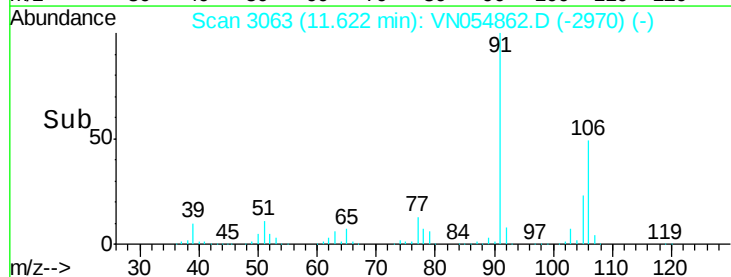
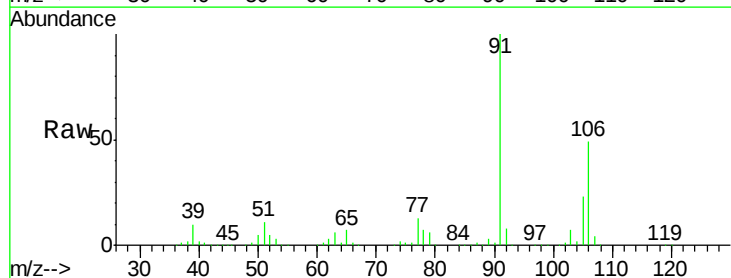
Manual Integrations  
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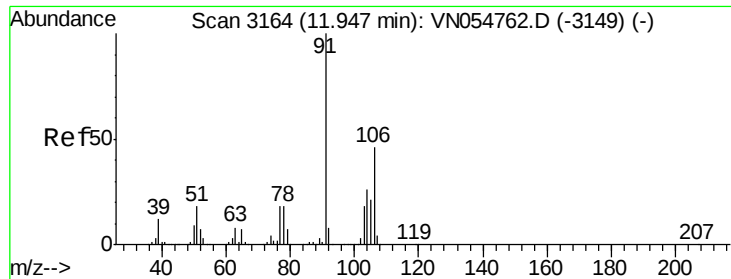
MMDadoda  
4/1/2019 12:50:10 PM



#68  
m/p-Xylenes  
Concen: 40.914 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Tgt Ion: 106 Resp: 304661  
Ion Ratio Lower Upper  
106 100  
91 207.7 159.4 239.2





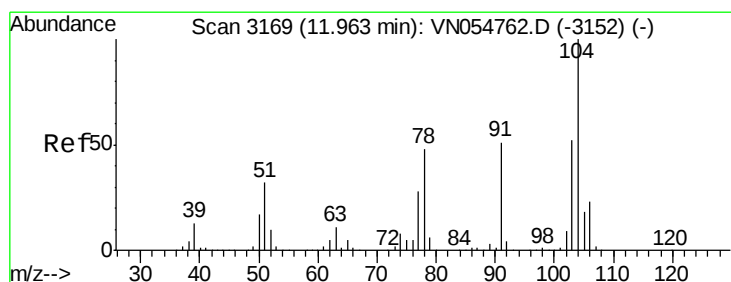
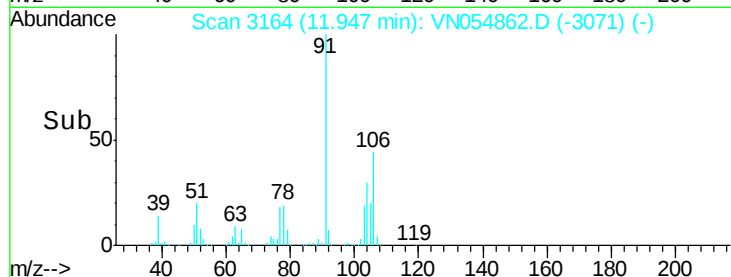
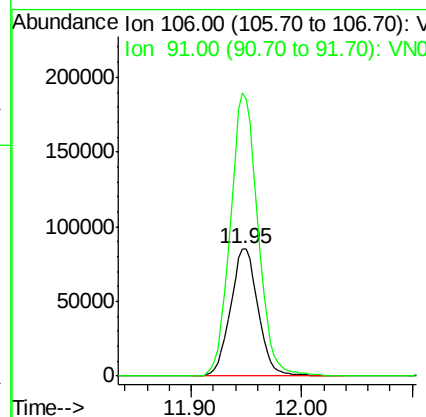
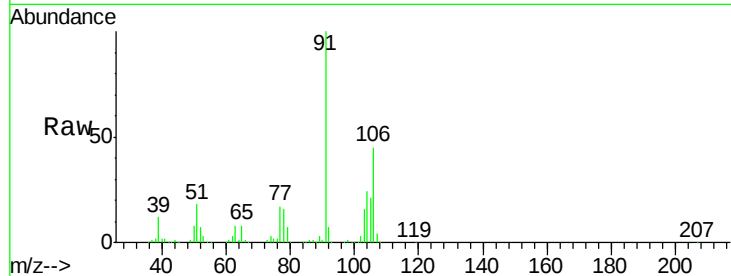
#69  
o-Xylene  
Concen: 20.425 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0331WBSD02

Tgt Ion:106 Resp: 149139  
Ion Ratio Lower Upper  
106 100  
91 220.4 105.7 317.1

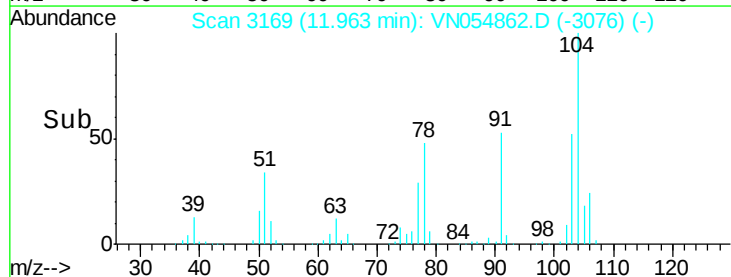
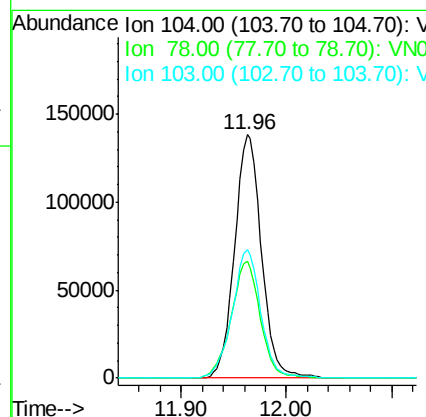
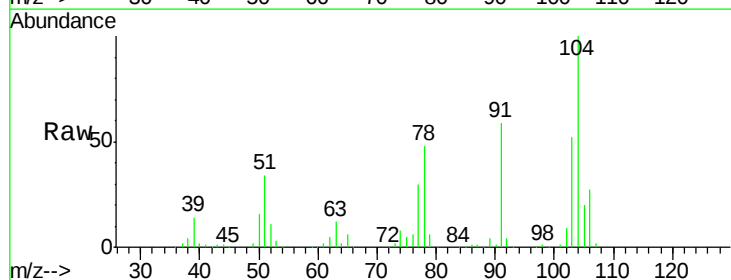
Manual Integrations  
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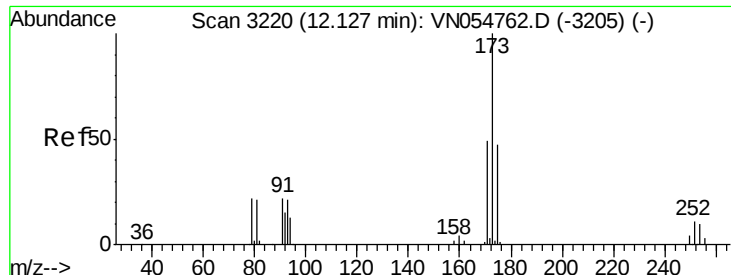
MMDadoda  
4/1/2019 12:50:10 PM



#70  
Styrene  
Concen: 20.919 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Tgt Ion:104 Resp: 244233  
Ion Ratio Lower Upper  
104 100  
78 51.9 38.2 57.2  
103 56.0 44.4 66.6





#71

Bromoform

Concen: 20.654 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

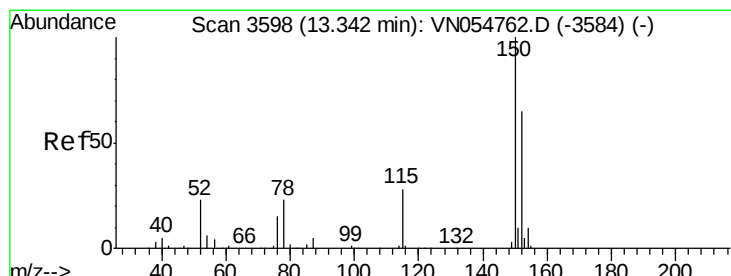
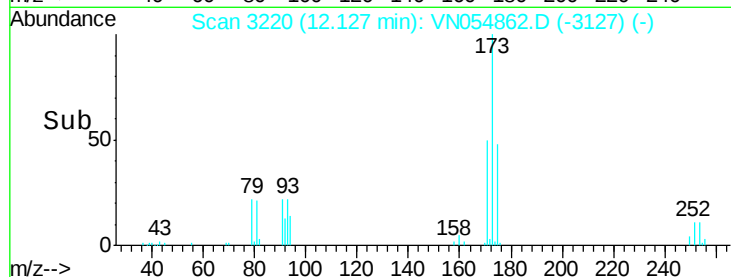
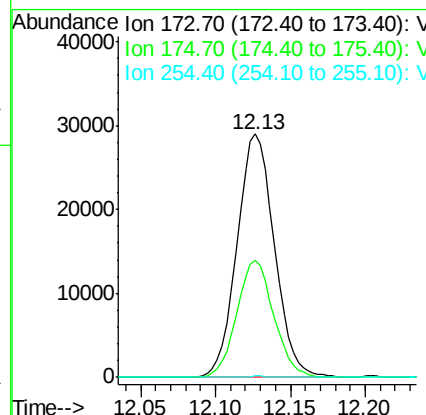
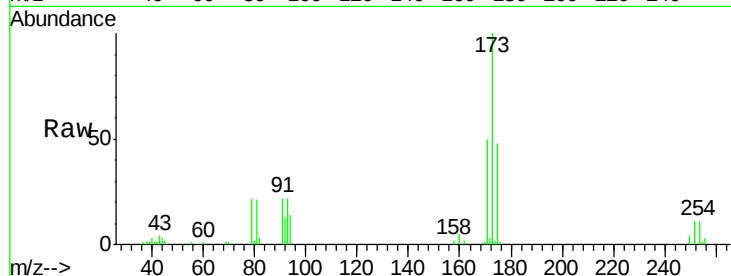
ClientSampleId :

VN0331WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.5  | 24.4  | 73.2  |
| 254     | 0.1   | 0.1   | 0.1   |

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

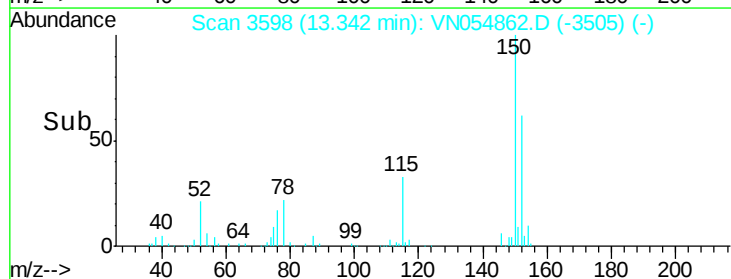
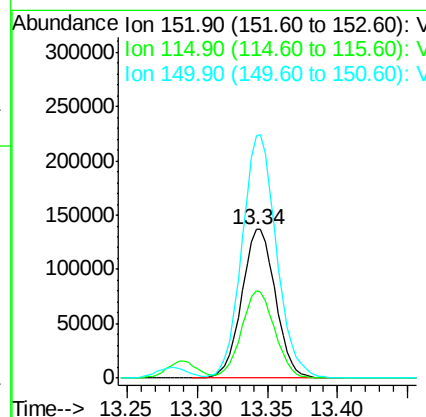
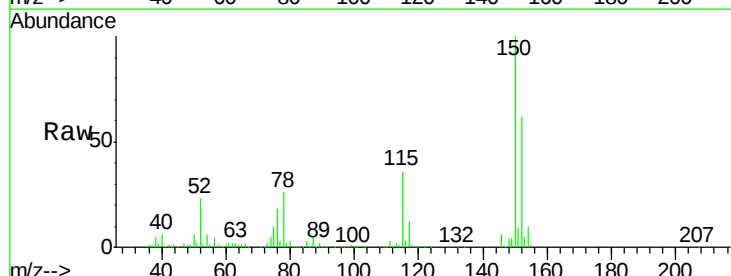
RT: 13.34 min Scan# 3598

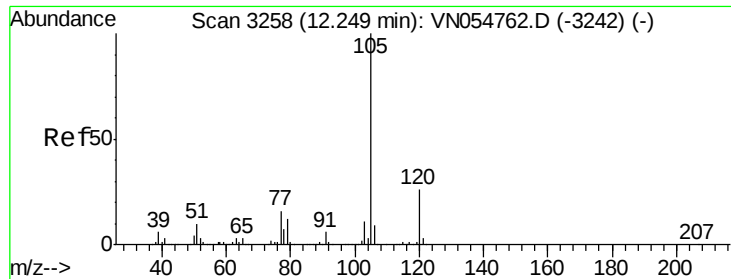
Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.2  | 27.2  | 81.6  |
| 150     | 167.0 | 0.0   | 349.2 |





#73

Isopropylbenzene

Concen: 21.220 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0331WBSD02

Tgt Ion: 105 Resp: 397875

Ion Ratio Lower Upper

105 100

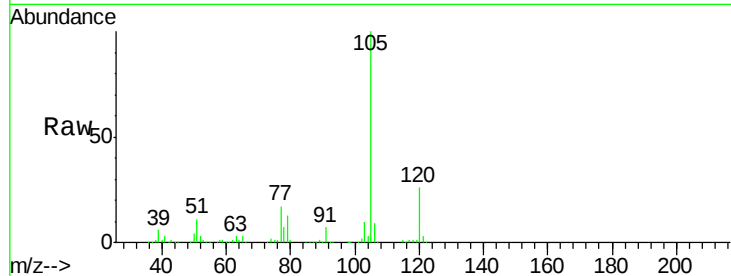
120 25.5 13.8 41.3

Manual Integrations

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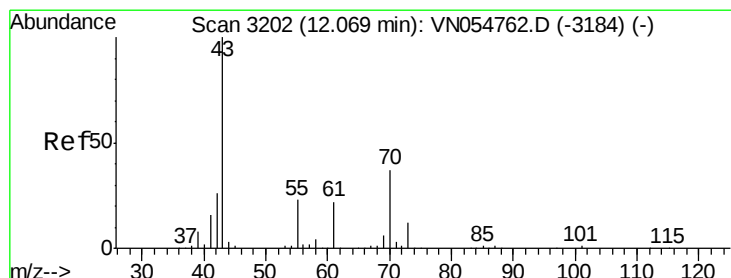
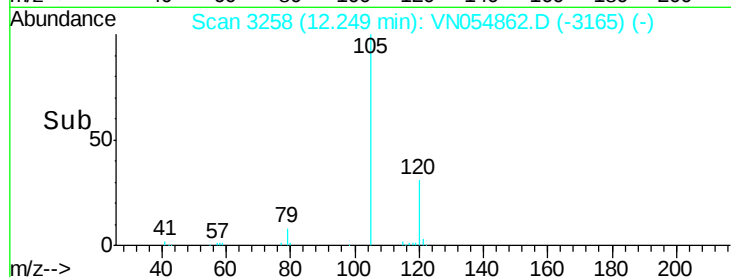
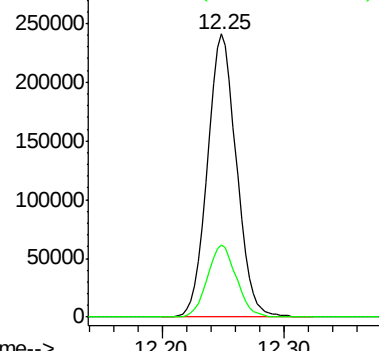
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.689 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Tgt Ion: 43 Resp: 126692

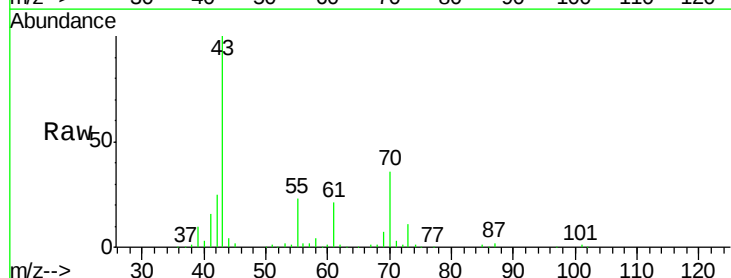
Ion Ratio Lower Upper

43 100

70 35.6 35.4 53.0

55 23.7 19.8 29.6

61 21.6 19.8 29.6

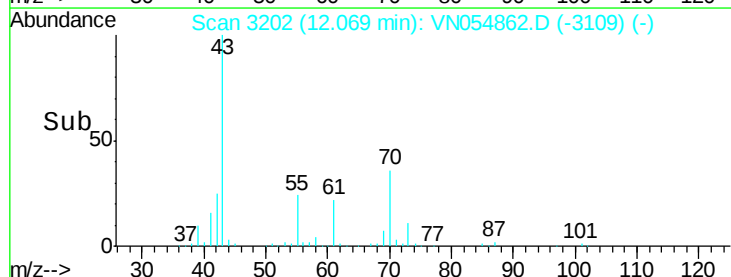
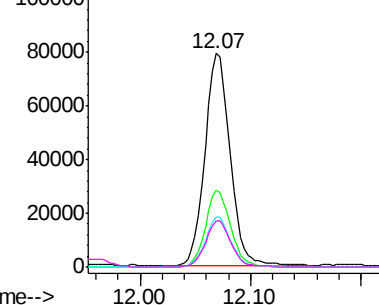


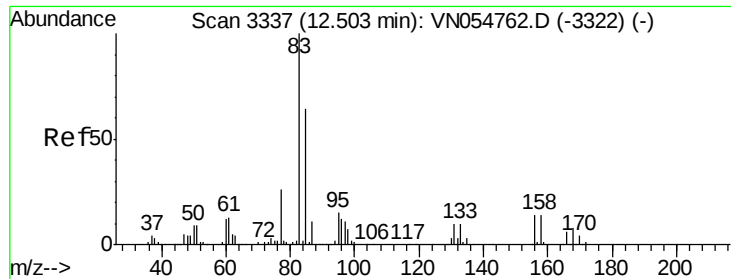
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.906 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

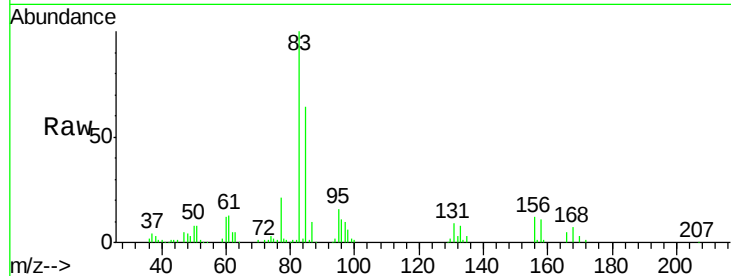
ClientSampleId :

VN0331WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 102507 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.1  | 5.8   | 17.4   |
| 85        | 65.9  | 32.2  | 96.6   |

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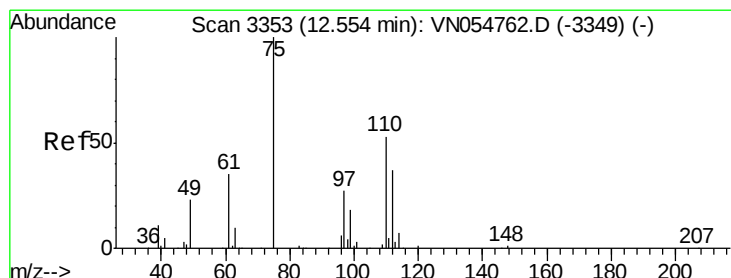
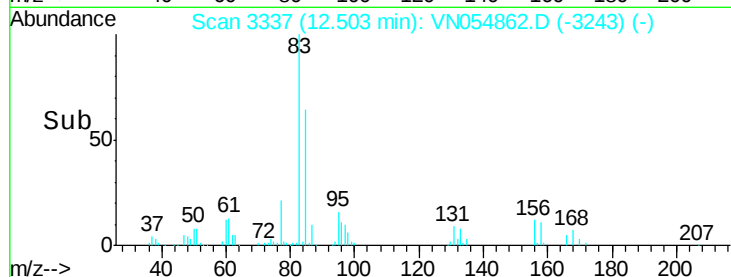
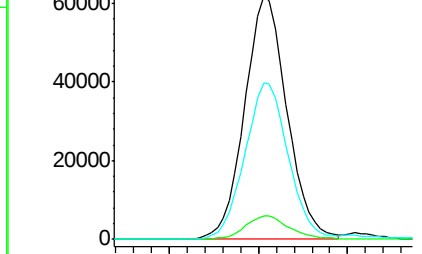
MMDadoda  
4/1/2019 12:50:10 PM



Abundance Ion 82.90 (82.60 to 83.60): VN054862.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN054862.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN054862.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 21.255 ug/l m

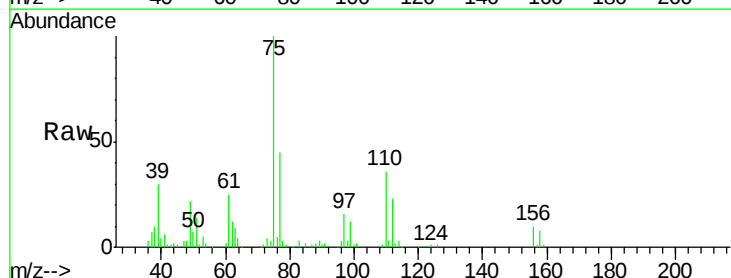
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054862.D

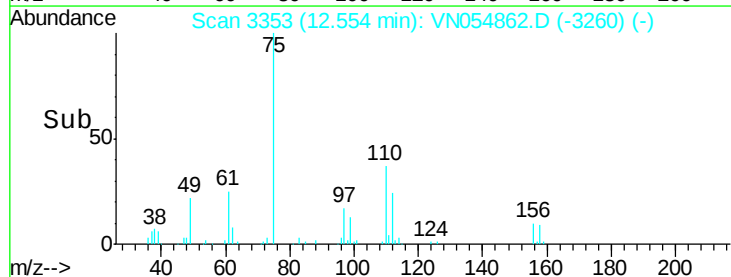
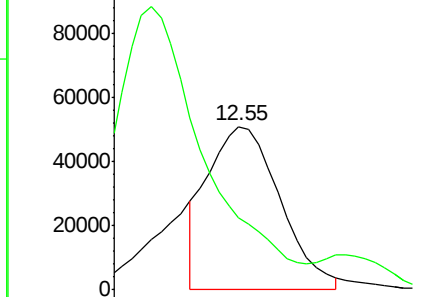
Acq: 31 Mar 2019 20:24

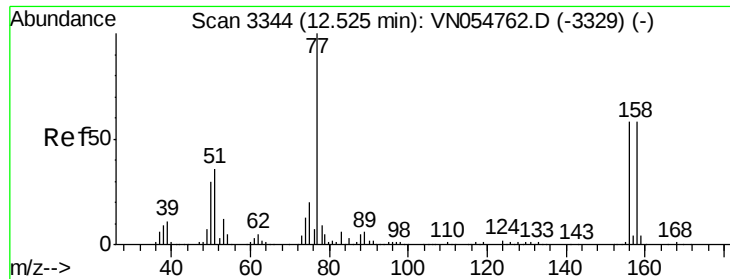
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 84704 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |



Abundance Ion 74.90 (74.60 to 75.60): VN054862.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054862.D (-3260) (-)





#77

Bromobenzene

Concen: 20.986 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

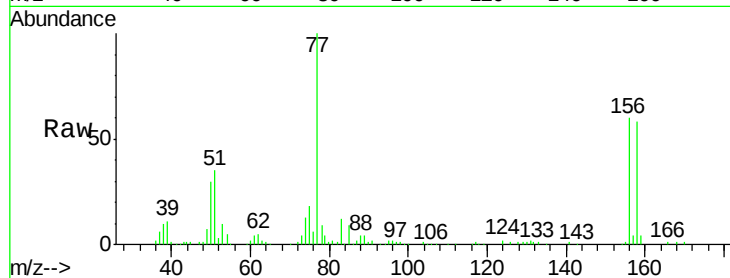
ClientSampleId :

VN0331WBSD02

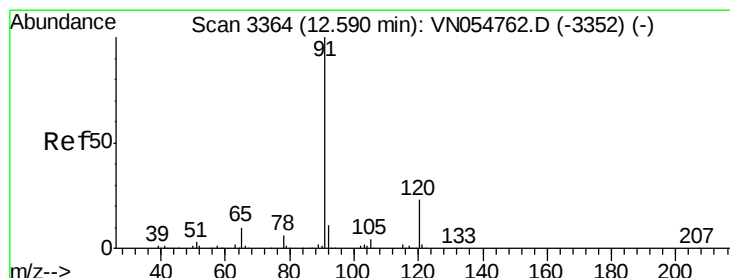
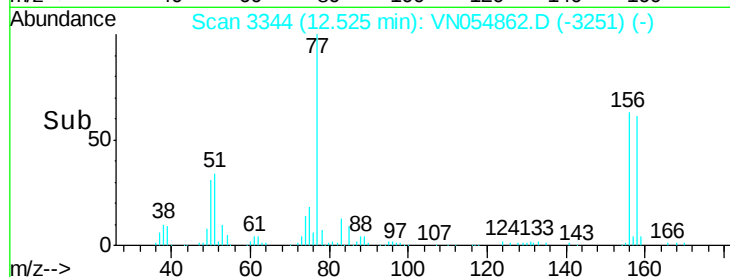
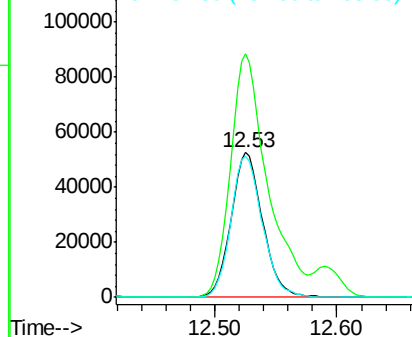
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 94966 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 197.8 | 81.5  | 244.4 |
| 158       | 97.3  | 49.0  | 147.2 |

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Abundance Ion 155.80 (155.50 to 156.50): V  
Ion 77.00 (76.70 to 77.70): VN  
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.760 ug/l

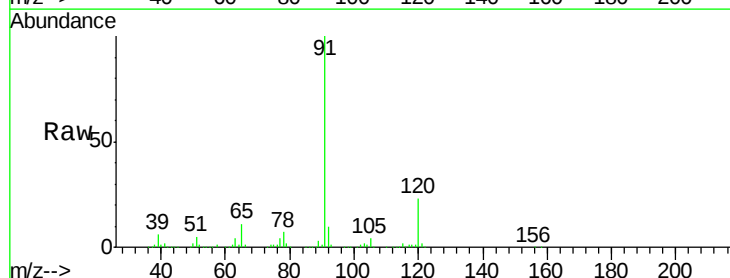
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

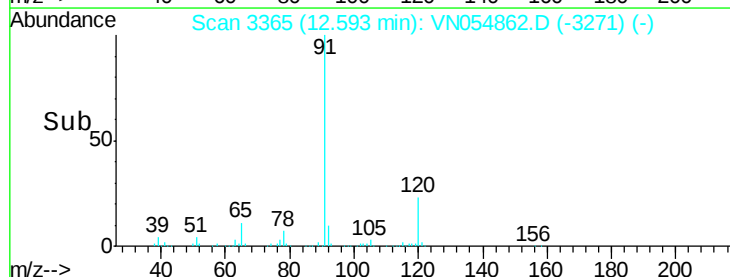
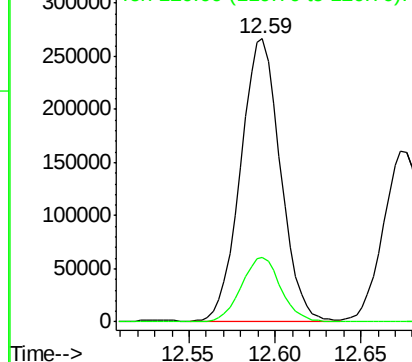
Lab File: VN054862.D

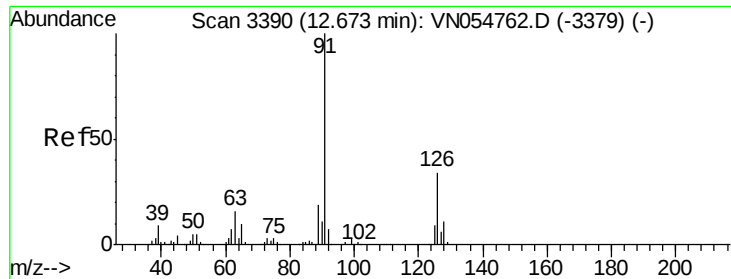
Acq: 31 Mar 2019 20:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 427830 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.8  | 12.3  | 36.9   |



Abundance Ion 91.00 (90.70 to 91.70): VN  
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.200 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0331WBSD02

Tgt Ion: 91 Resp: 270300

Ion Ratio Lower Upper

91 100

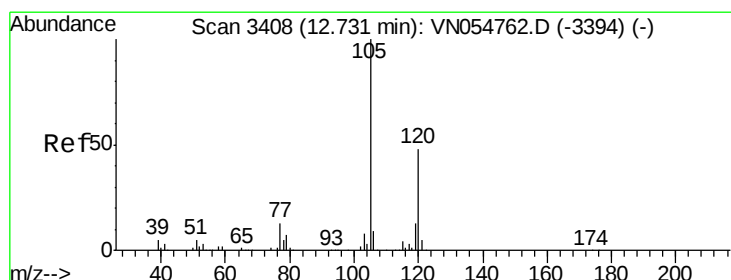
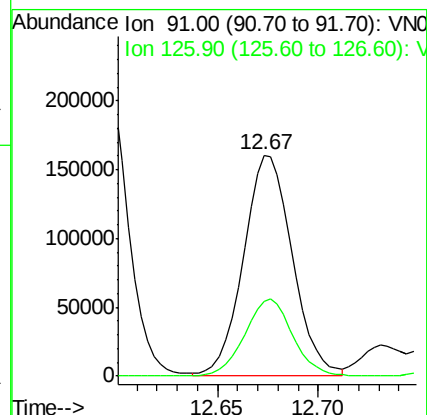
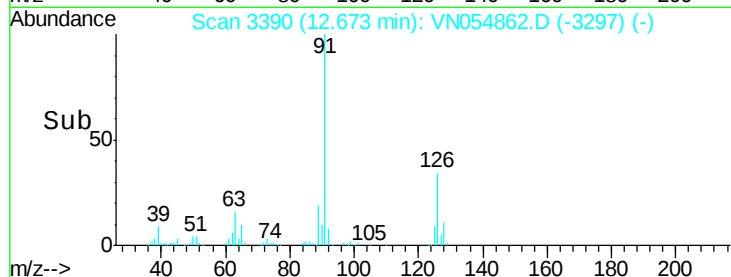
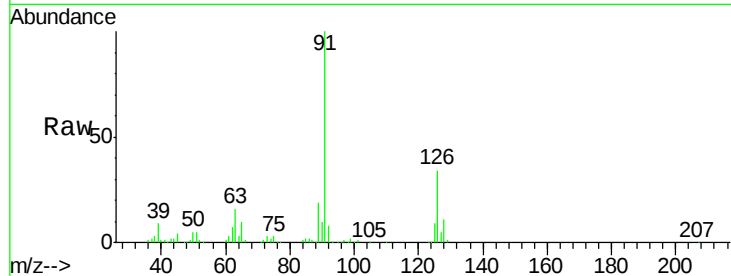
126 34.4 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 21.141 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054862.D

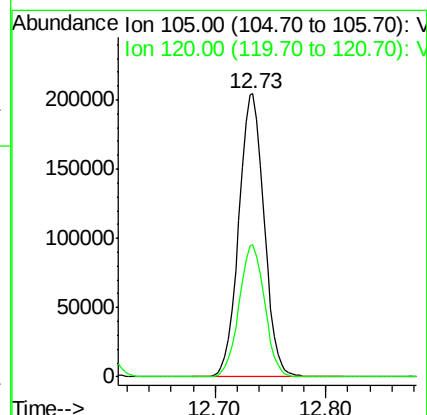
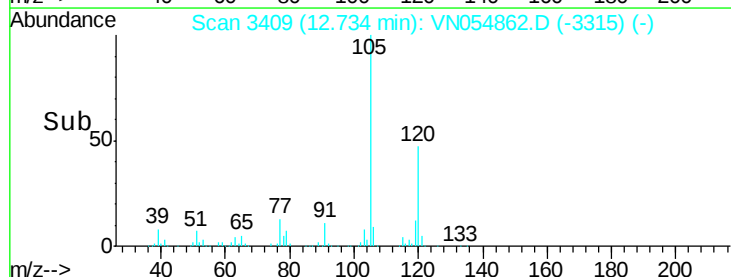
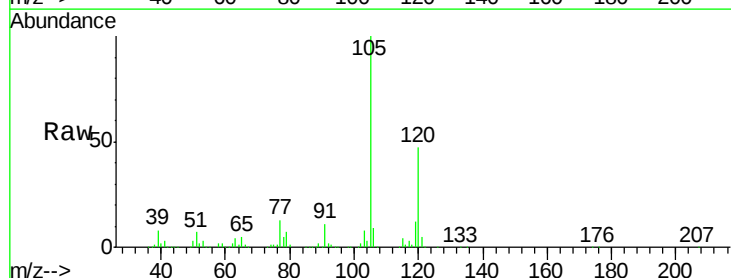
Acq: 31 Mar 2019 20:24

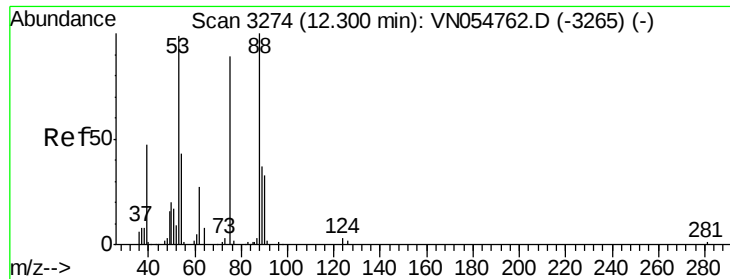
Tgt Ion: 105 Resp: 325251

Ion Ratio Lower Upper

105 100

120 47.0 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.192 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0331WBSD02

Tgt Ion: 75 Resp: 18638

Ion Ratio Lower Upper

75 100

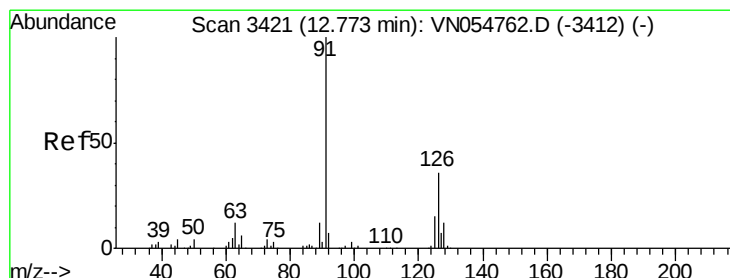
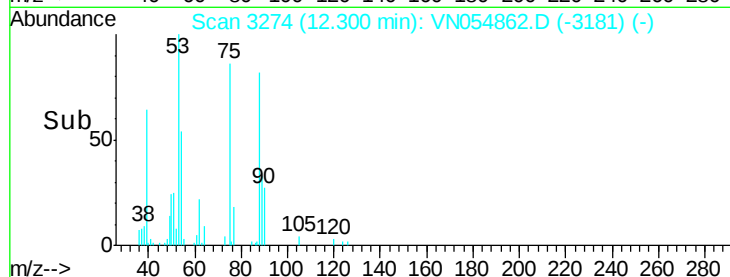
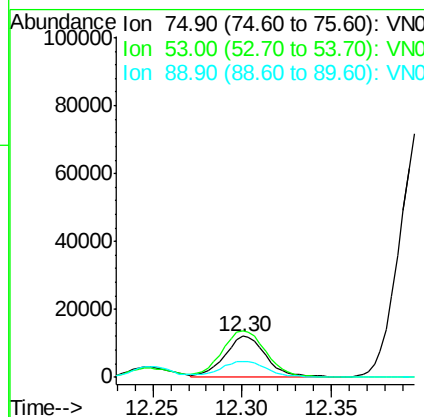
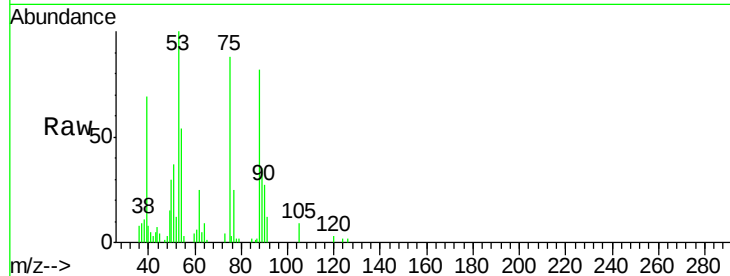
53 129.5 76.2 114.2#

89 46.9 39.2 58.8

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#82

4-Chlorotoluene

Concen: 20.635 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054862.D

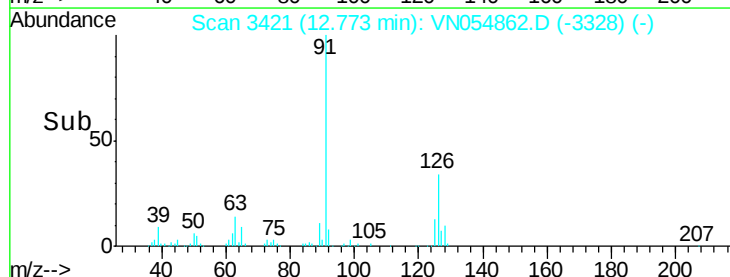
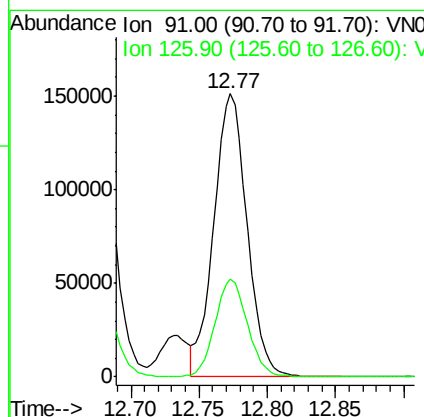
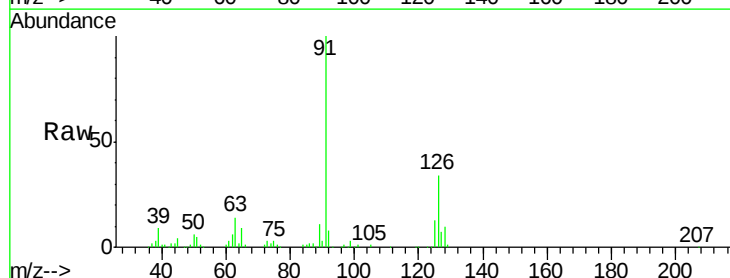
Acq: 31 Mar 2019 20:24

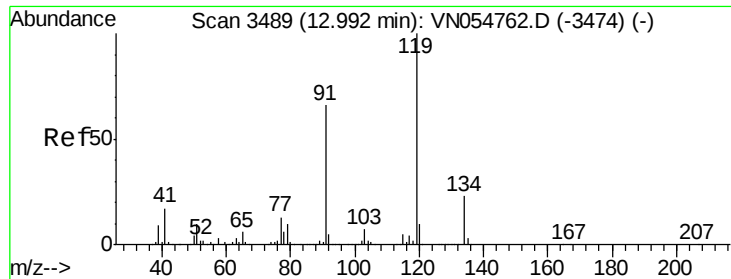
Tgt Ion: 91 Resp: 255542

Ion Ratio Lower Upper

91 100

126 33.8 18.1 54.1





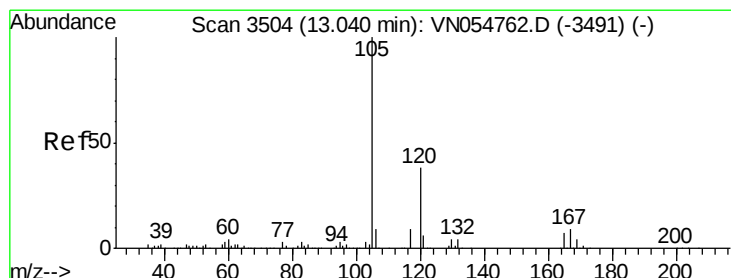
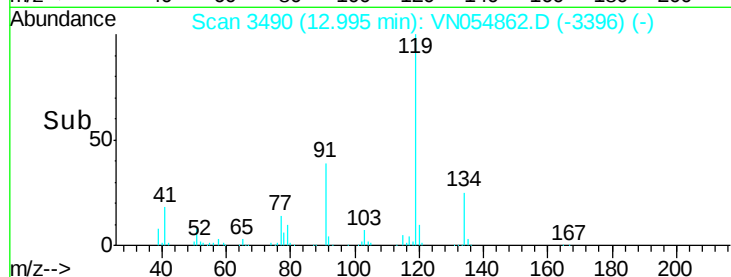
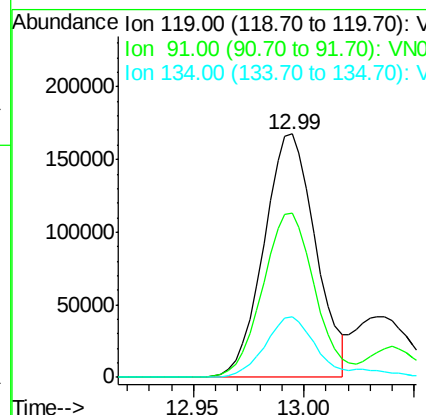
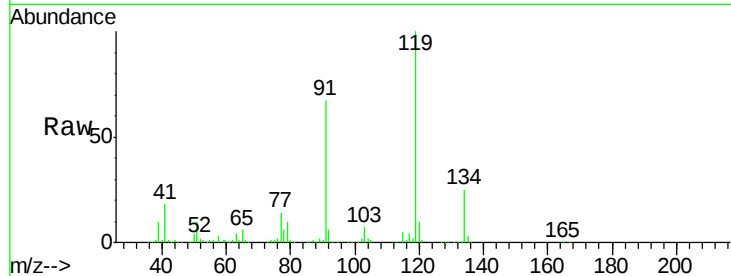
#83  
 tert-Butylbenzene  
 Concen: 21.669 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. 0.00 min  
 Lab File: VN054862.D  
 Acq: 31 Mar 2019 20:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0331WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 68.6  | 30.9  | 92.8  |
| 134     | 24.1  | 13.2  | 39.6  |

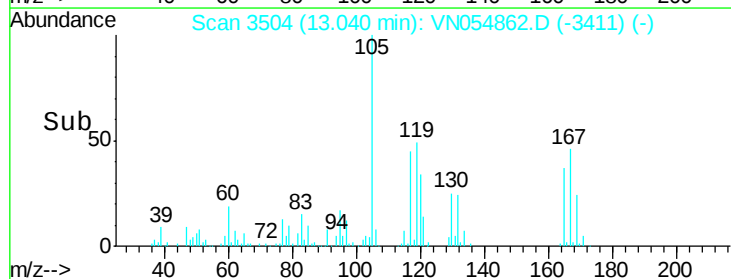
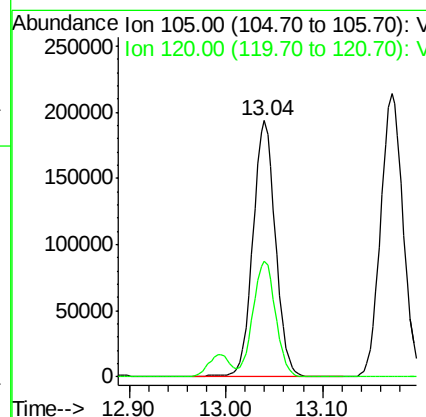
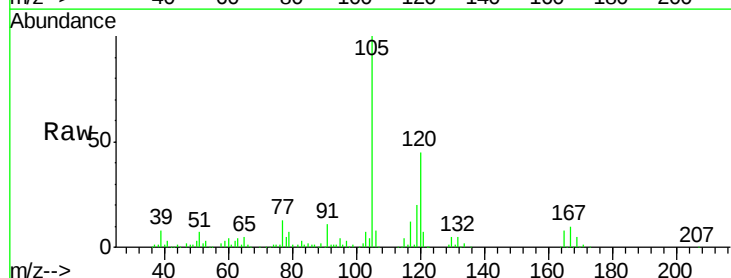
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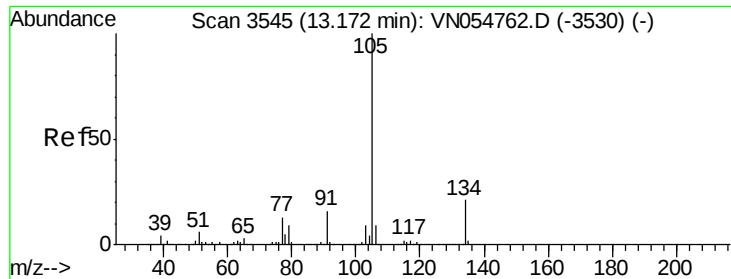
MMDadoda  
 4/1/2019 12:50:10 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.404 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. -0.00 min  
 Lab File: VN054862.D  
 Acq: 31 Mar 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.5  | 23.4  | 70.3  |





#85

sec-Butylbenzene

Concen: 20.556 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

ClientSampleId :

VN0331WBSD02

Tgt Ion:105 Resp: 343548

Ion Ratio Lower Upper

105 100

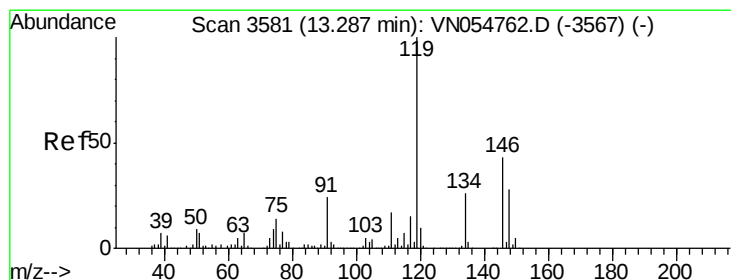
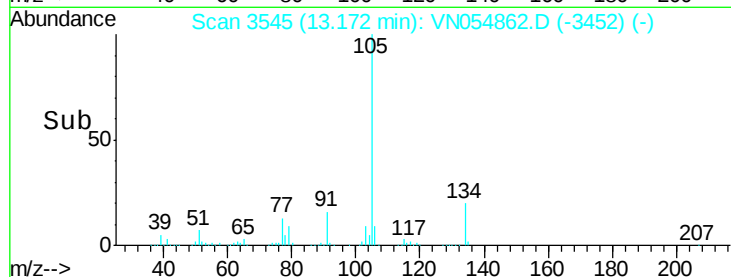
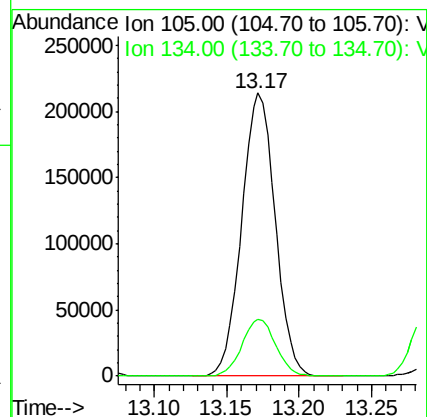
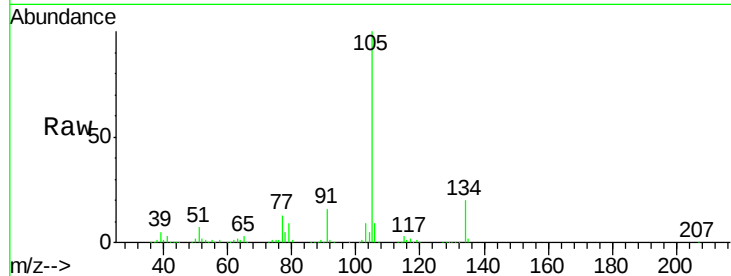
134 20.3 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 20.160 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

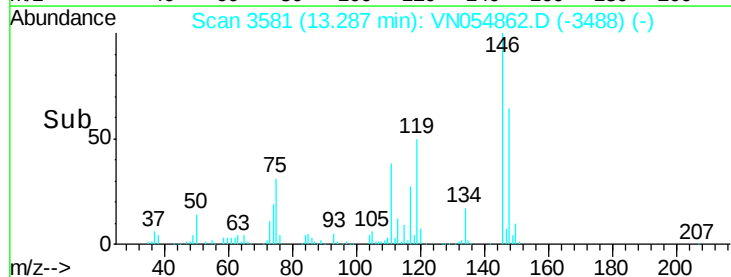
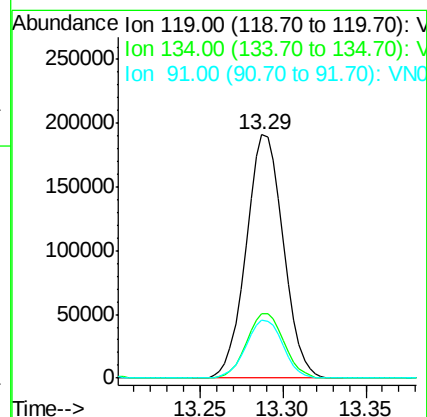
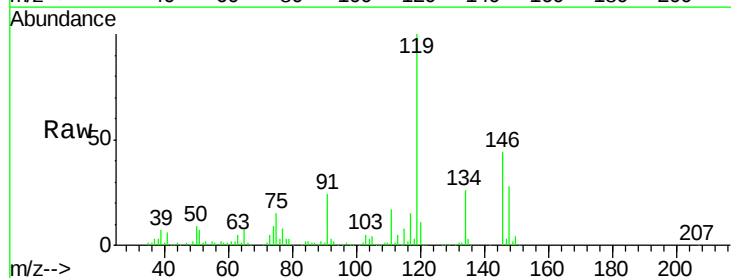
Tgt Ion:119 Resp: 297170

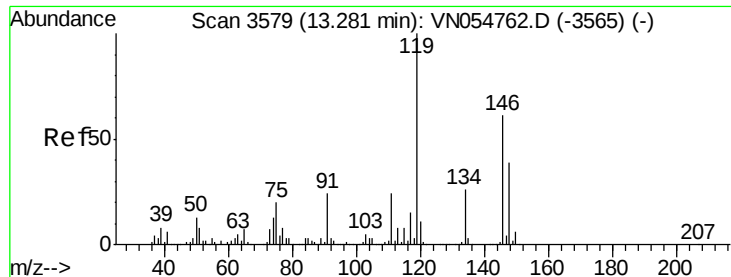
Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

91 24.0 11.1 33.3





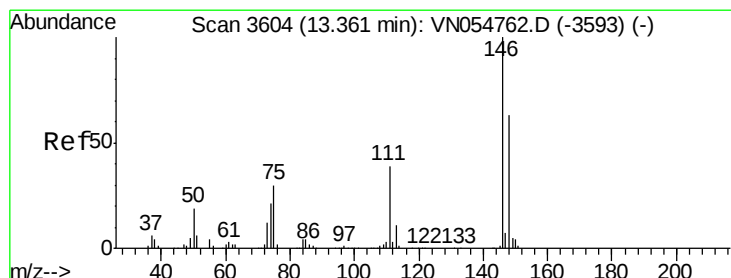
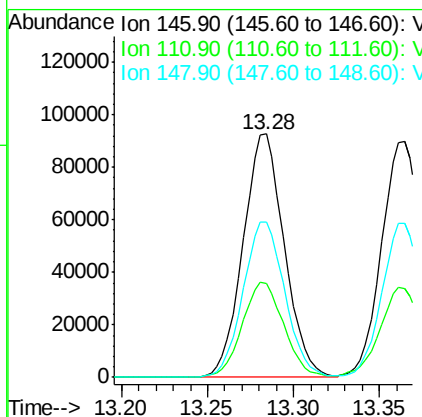
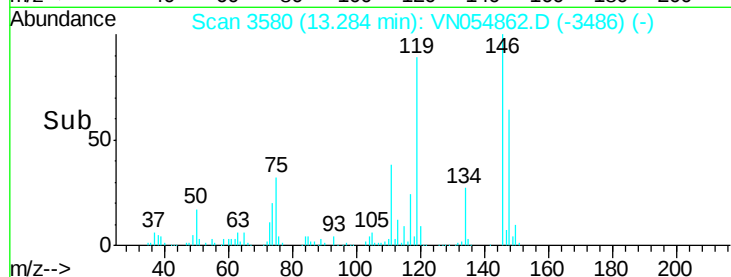
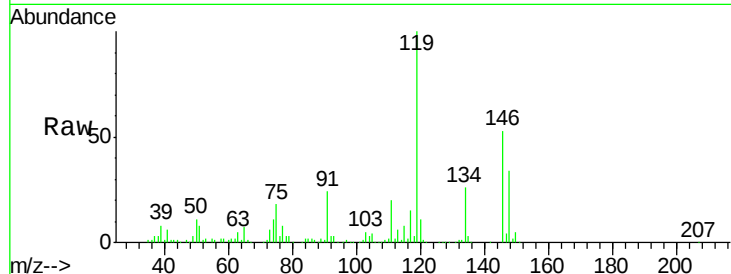
#87  
 1,3-Dichlorobenzene  
 Concen: 20.353 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN054862.D  
 Acq: 31 Mar 2019 20:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0331WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 18.8  | 56.3  |
| 148     | 64.6  | 32.2  | 96.6  |

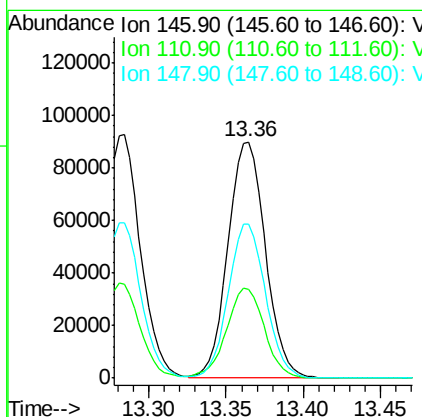
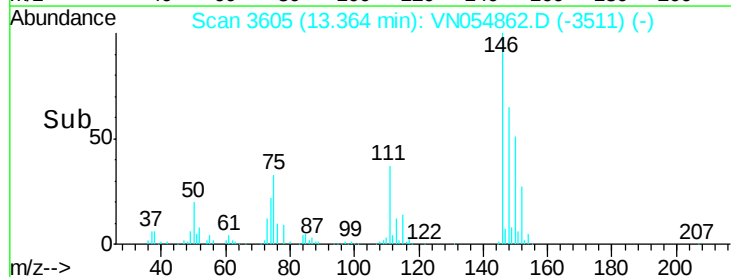
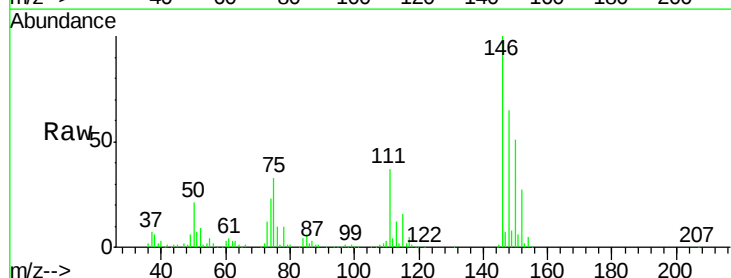
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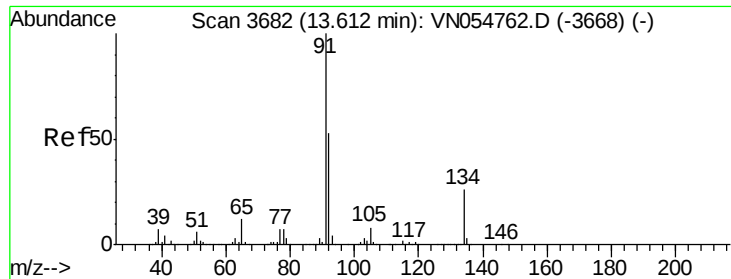
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#88  
 1,4-Dichlorobenzene  
 Concen: 20.390 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN054862.D  
 Acq: 31 Mar 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.6  | 18.1  | 54.1  |
| 148     | 64.7  | 32.0  | 96.0  |





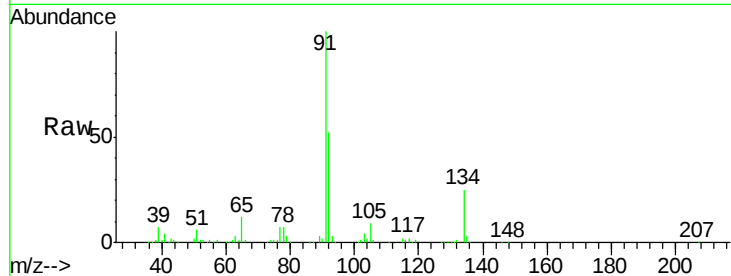
#89  
n-Butylbenzene  
Concen: 18.867 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. 0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0331WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.7  | 26.2  | 78.6  |
| 134     | 24.8  | 14.3  | 42.9  |

Manual Integrations  
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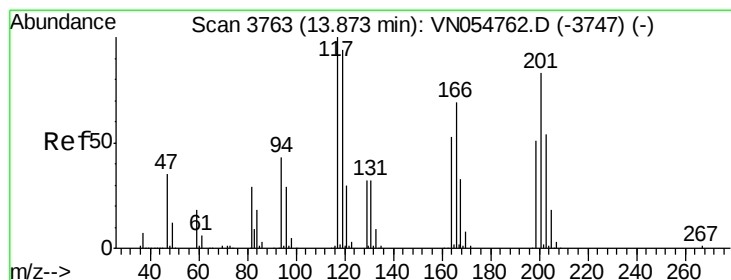
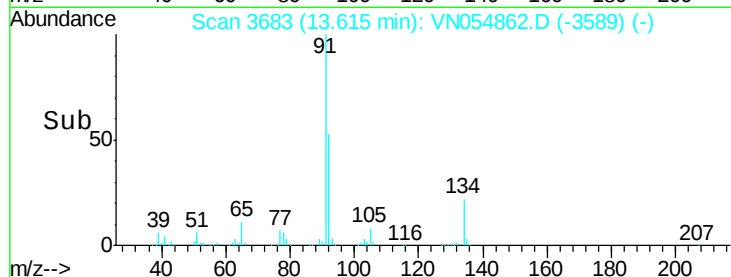
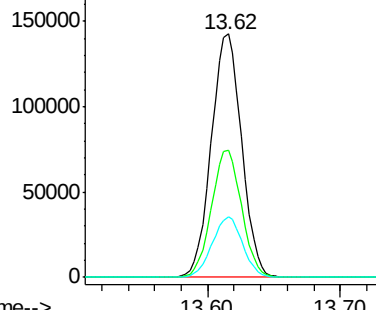
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Abundance Ion 91.00 (90.70 to 91.70): VN054862.D (-3682) (-)

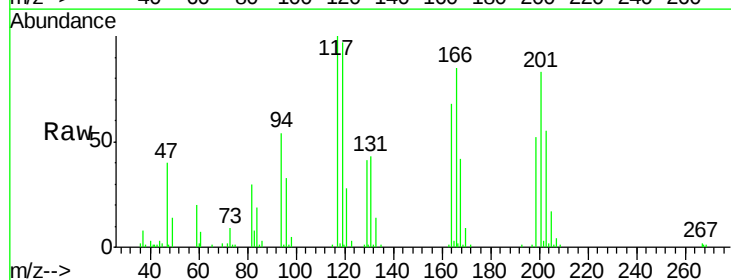
Ion 92.00 (91.70 to 92.70): VN054862.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN054862.D (-3682) (-)



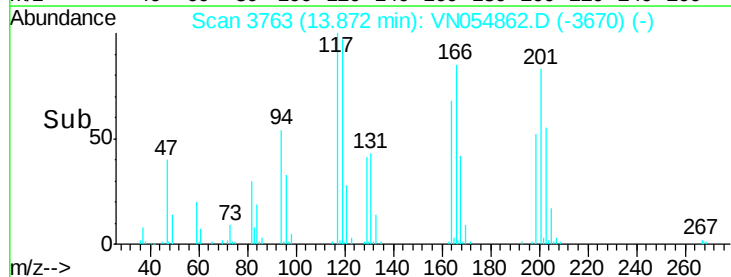
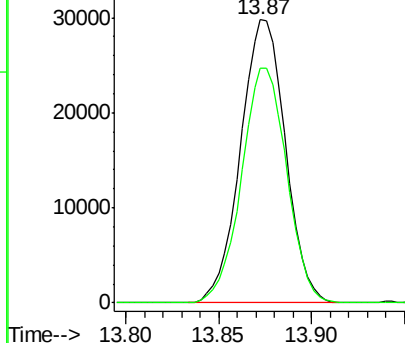
#90  
Hexachloroethane  
Concen: 20.102 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

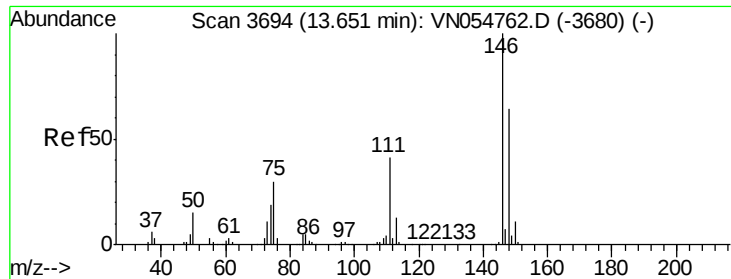
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 83.4  | 48.1  | 144.4 |



Abundance Ion 116.80 (116.50 to 117.50): VN054862.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN054862.D (-3763) (-)





#91

1,2-Dichlorobenzene

Concen: 20.808 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

Instrument :

MSVOA\_N

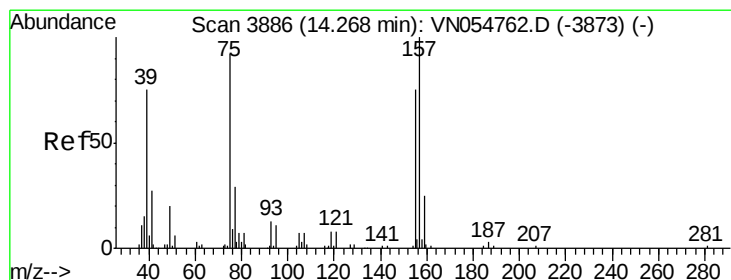
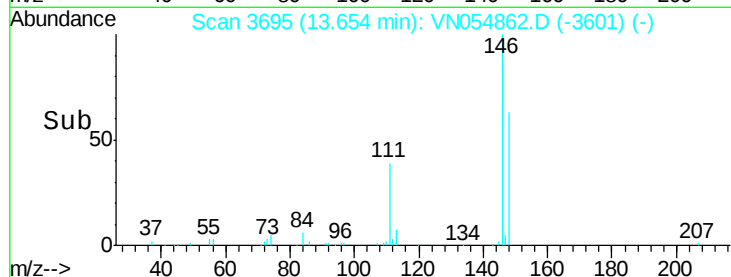
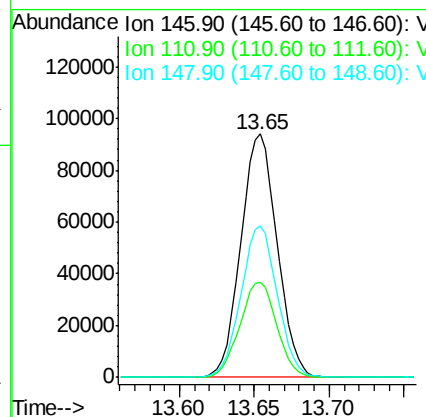
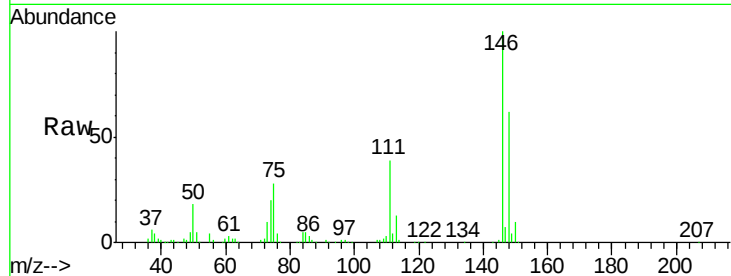
ClientSampleId :

VN0331WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 159105 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 39.6  | 19.1  | 57.3   |
| 148       | 62.2  | 32.4  | 97.0   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.632 ug/l

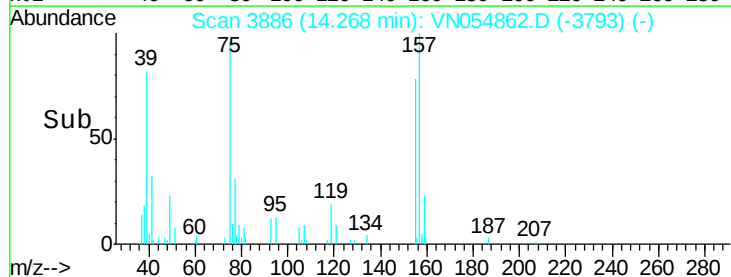
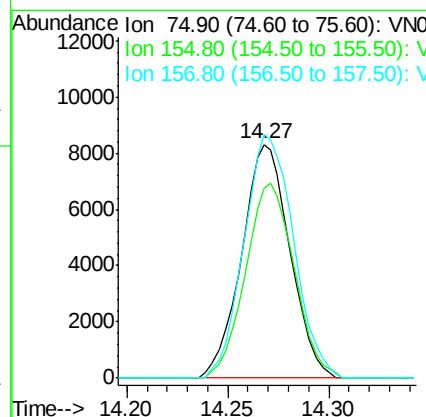
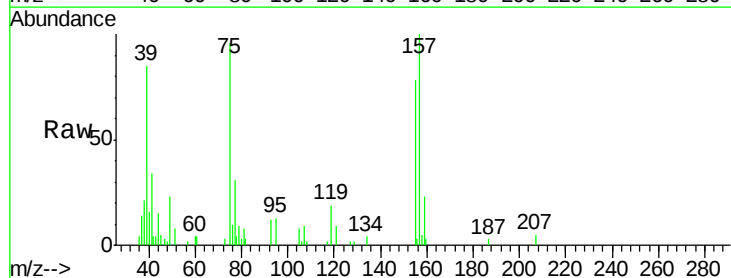
RT: 14.27 min Scan# 3886

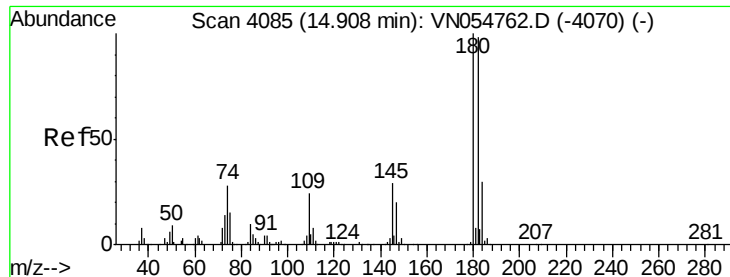
Delta R.T. -0.00 min

Lab File: VN054862.D

Acq: 31 Mar 2019 20:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 13866 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 84.4  | 50.1  | 150.3 |
| 157       | 107.7 | 63.1  | 189.3 |





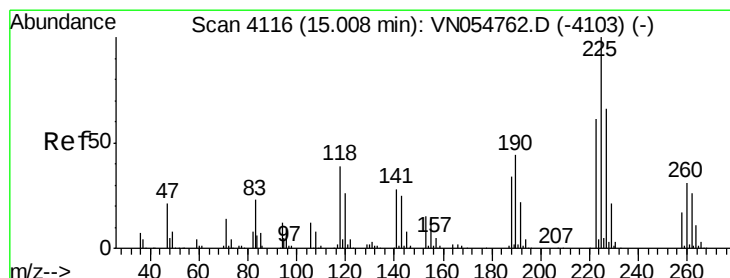
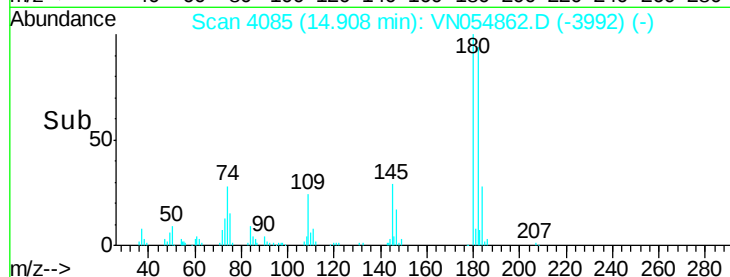
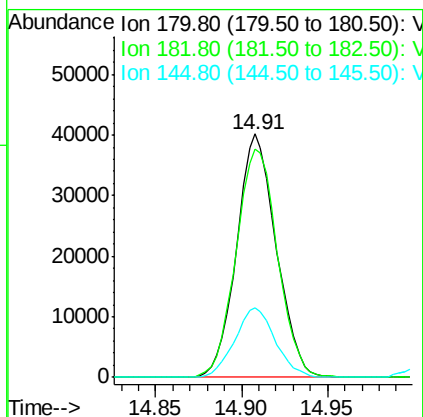
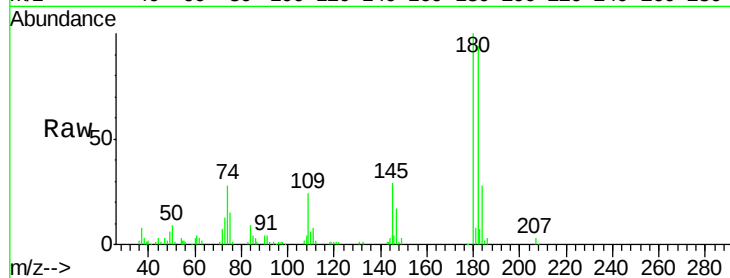
#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.325 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. -0.00 min  
 Lab File: VN054862.D  
 Acq: 31 Mar 2019 20:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0331WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 98.4  | 48.0  | 144.2 |
| 145     | 29.1  | 14.2  | 42.8  |

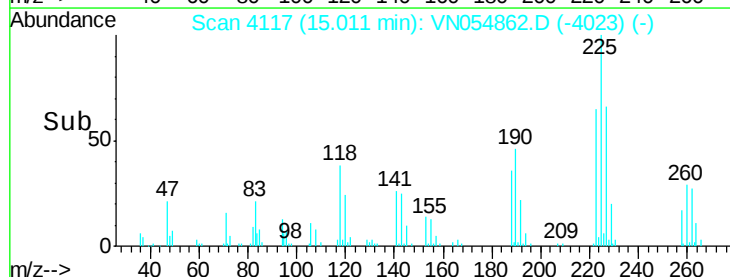
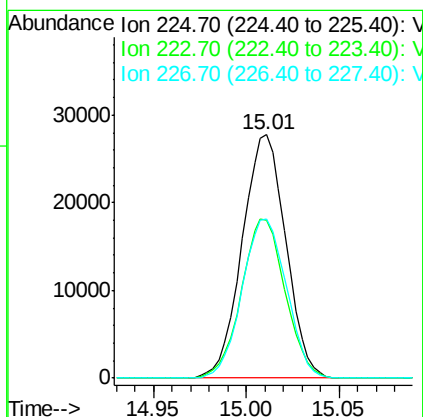
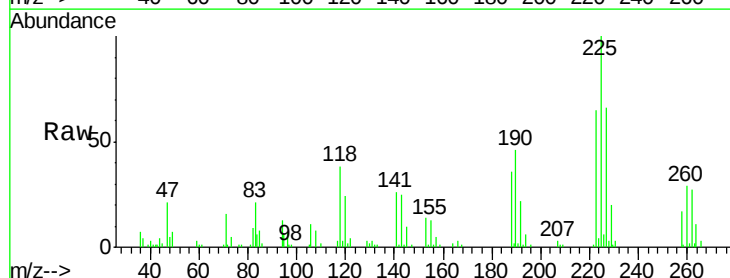
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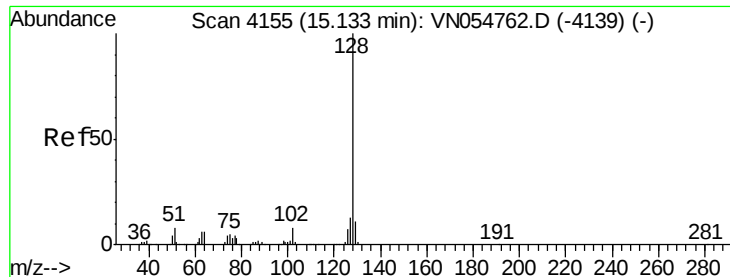
MMDadoda  
 4/1/2019 12:50:10 PM



#94  
 Hexachlorobutadiene  
 Concen: 19.500 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN054862.D  
 Acq: 31 Mar 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 65.6  | 31.1  | 93.5  |
| 227     | 66.2  | 31.9  | 95.9  |





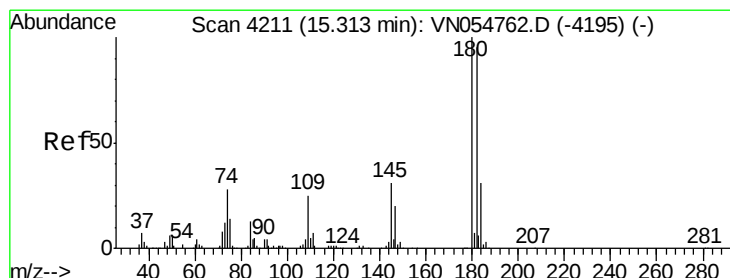
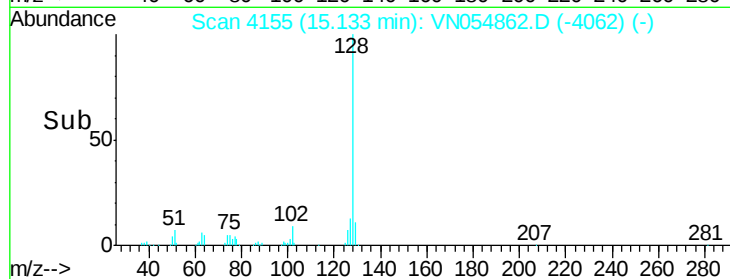
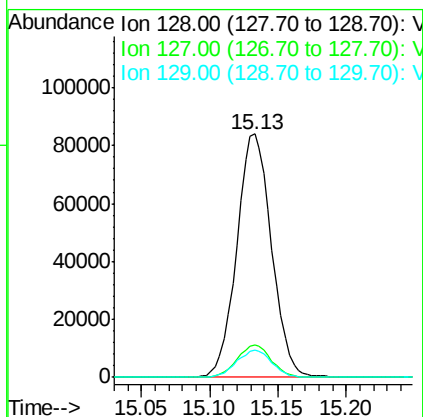
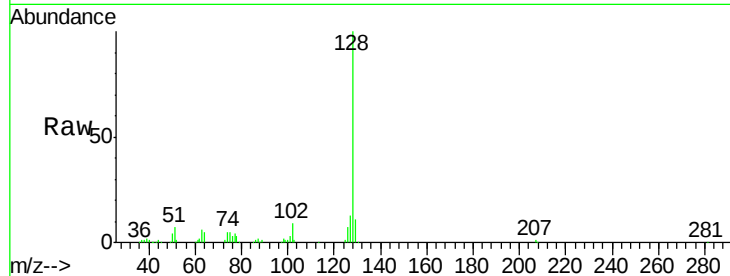
#95  
Naphthalene  
Concen: 17.897 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0331WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.2  | 10.1  | 15.1  |
| 129     | 11.4  | 8.7   | 13.1  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 18.436 ug/l  
RT: 15.31 min Scan# 4211  
Delta R.T. -0.00 min  
Lab File: VN054862.D  
Acq: 31 Mar 2019 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.3  | 47.5  | 142.6 |
| 145     | 32.3  | 14.8  | 44.3  |

