

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040319\  
 Data File : VN054920.D  
 Acq On : 3 Apr 2019 12:29  
 Operator : JC/SP  
 Sample : VN0403WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0403WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 4/4/2019 9:31:08 AM

Quant Time: Apr 04 02:03:38 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      | 7.66  | 168  | 410949   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 681438   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 586514   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 241601   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 291922   | 52.70 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.40% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 235018   | 51.73 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.46% |      |
| 50) Toluene-d8            | 10.09  | 98  | 860004   | 50.92 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.84% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 280034   | 49.85 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.70%  |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 79659   | 19.164  | ug/l   | 99     |
| 3) Chloromethane              | 2.06 | 50  | 112011  | 19.489  | ug/l   | 96     |
| 4) Vinyl Chloride             | 2.19 | 62  | 103739  | 20.099  | ug/l   | 100    |
| 5) Bromomethane               | 2.58 | 94  | 59554   | 20.690  | ug/l   | 96     |
| 6) Chloroethane               | 2.71 | 64  | 59392   | 20.607  | ug/l   | 93     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 135244  | 21.313  | ug/l   | 100    |
| 8) Diethyl Ether              | 3.41 | 74  | 43399   | 21.240  | ug/l   | 64     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 71918   | 21.529  | ug/l   | 93     |
| 10) Methyl Iodide             | 3.95 | 142 | 93115   | 20.362  | ug/l # | 90     |
| 11) Tert butyl alcohol        | 4.82 | 59  | 30801   | 106.715 | ug/l # | 85     |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 68048   | 21.065  | ug/l # | 72     |
| 13) Acrolein                  | 3.61 | 56  | 23890   | 92.586  | ug/l   | 96     |
| 14) Allyl chloride            | 4.32 | 41  | 163116  | 20.501  | ug/l # | 89     |
| 15) Acrylonitrile             | 5.00 | 53  | 173143  | 107.925 | ug/l   | 97     |
| 16) Acetone                   | 3.82 | 43  | 136912  | 103.641 | ug/l # | 82     |
| 17) Carbon Disulfide          | 4.04 | 76  | 189341  | 18.072  | ug/l   | 98     |
| 18) Methyl Acetate            | 4.33 | 43  | 82408   | 23.462  | ug/l # | 89     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 246020  | 21.773  | ug/l   | 94     |
| 20) Methylene Chloride        | 4.55 | 84  | 98907   | 21.226  | ug/l # | 86     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 88275   | 20.805  | ug/l   | 86     |
| 22) Diisopropyl ether         | 5.96 | 45  | 346266  | 22.003  | ug/l # | 93     |
| 23) Vinyl Acetate             | 5.90 | 43  | 1190950 | 108.749 | ug/l # | 93     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 185043  | 22.043  | ug/l   | 99     |
| 25) 2-Butanone                | 6.85 | 43  | 214164  | 109.674 | ug/l # | 87     |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 121533  | 20.656  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 104273  | 21.755  | ug/l   | 90     |
| 28) Bromochloromethane        | 7.20 | 49  | 92199   | 21.964  | ug/l # | 71     |
| 29) Tetrahydrofuran           | 7.22 | 42  | 142597  | 105.140 | ug/l # | 84     |
| 30) Chloroform                | 7.37 | 83  | 176348  | 22.031  | ug/l   | 98     |
| 31) Cyclohexane               | 7.65 | 56  | 168019  | 20.761  | ug/l   | 91     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 144263  | 21.747  | ug/l   | 95     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 127637  | 20.101  | ug/l   | 96     |
| 37) Ethyl Acetate             | 6.94 | 43  | 93834   | 20.152  | ug/l   | 97     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 120577  | 19.551  | ug/l   | 99     |

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 Sample : VN0403WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0403WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 4/4/2019 9:31:08 AM

Quant Time: Apr 04 02:03:38 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   | 139772   | 20.022  | ug/l   | 89       |
| 40) Benzene                    | 8.04  | 78   | 391224   | 21.533  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.18  | 41   | 52526    | 20.081  | ug/l   | 93       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 139153   | 21.450  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 165108   | 21.822  | ug/l # | 93       |
| 44) Trichloroethene            | 8.83  | 130  | 100368   | 21.281  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 112420   | 21.700  | ug/l   | 93       |
| 46) Dibromomethane             | 9.21  | 93   | 62876    | 21.575  | ug/l   | 86       |
| 47) Bromodichloromethane       | 9.40  | 83   | 129738   | 21.420  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.20  | 41   | 83159    | 20.276  | ug/l   | 88       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 17552    | 431.314 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 464144   | 109.113 | ug/l   | 92       |
| 52) Toluene                    | 10.16 | 92   | 231674   | 21.429  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 117923   | 20.697  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 147477   | 21.669  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 84586    | 21.041  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 108340   | 20.545  | ug/l # | 83       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 150568   | 21.786  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 231232   | 107.932 | ug/l # | 89       |
| 59) 2-Hexanone                 | 10.75 | 43   | 281937   | 103.535 | ug/l   | 91       |
| 60) Dibromochloromethane       | 10.90 | 129  | 86417    | 21.221  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 80801    | 21.032  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.63 | 164  | 91574    | 20.346  | ug/l   | 91       |
| 65) Chlorobenzene              | 11.43 | 112  | 236651   | 20.608  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 91095    | 21.194  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 434244   | 20.956  | ug/l   | 96       |
| 68) m/p-Xylenes                | 11.62 | 106  | 316471   | 41.269  | ug/l   | 95       |
| 69) o-Xylene                   | 11.95 | 106  | 154047   | 20.486  | ug/l   | 93       |
| 70) Styrene                    | 11.96 | 104  | 252878   | 21.032  | ug/l   | 96       |
| 71) Bromoform                  | 12.13 | 173  | 50259    | 19.960  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 416280   | 21.080  | ug/l   | 98       |
| 74) N-amyl acetate             | 12.07 | 43   | 123099   | 20.009  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 104117   | 22.992  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 95305m   | 22.707  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 99648    | 20.908  | ug/l   | 86       |
| 78) n-propylbenzene            | 12.59 | 91   | 454953   | 20.961  | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 280523   | 20.891  | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 339846   | 20.974  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 20322    | 18.834  | ug/l # | 78       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 267819   | 20.534  | ug/l   | 95       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 290095   | 21.935  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 325075   | 21.058  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 368773   | 20.951  | ug/l   | 96       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 321562   | 20.713  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 161654   | 20.259  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 155913   | 19.922  | ug/l   | 96       |
| 89) n-Butylbenzene             | 13.61 | 91   | 249149   | 19.670  | ug/l   | 97       |
| 90) Hexachloroethane           | 13.87 | 117  | 52685    | 19.988  | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 165573   | 20.560  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 14486    | 21.458  | ug/l   | 79       |

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Sample : VN0403WBS01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0403WBS01

Manual Integrations  
APPROVED

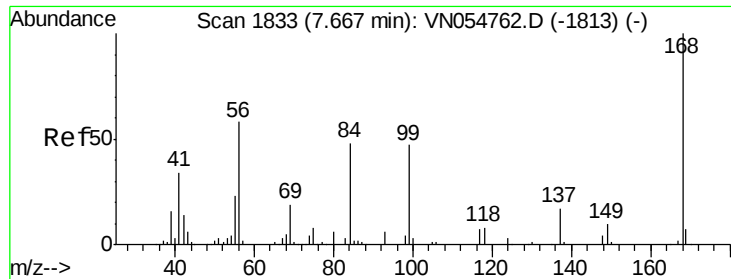
MMDadoda  
4/4/2019 9:31:08 AM

Quant Time: Apr 04 02:03:38 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  | 70452    | 18.146 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 50386    | 20.681 | ug/l  | 100      |
| 95) Naphthalene            | 15.13 | 128  | 154460   | 17.739 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 75481    | 19.251 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

Instrument :

MSVOA\_N

ClientSampleId :

VN0403WBS01

Tot Ion:168 Resp: 410949

Ion Ratio Lower Upper

168 100

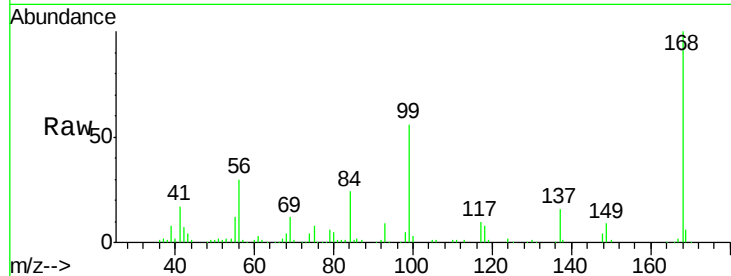
99 54.8 37.1 55.7

Manual Integrations

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4/4/2019 9:31:08 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

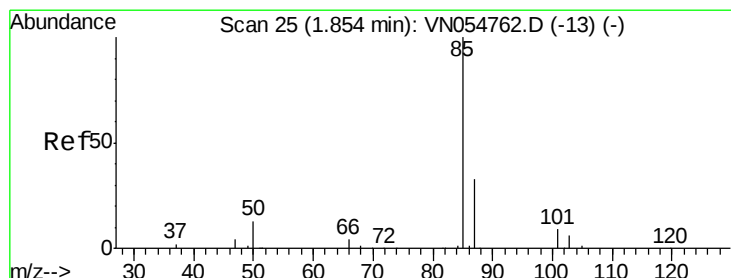
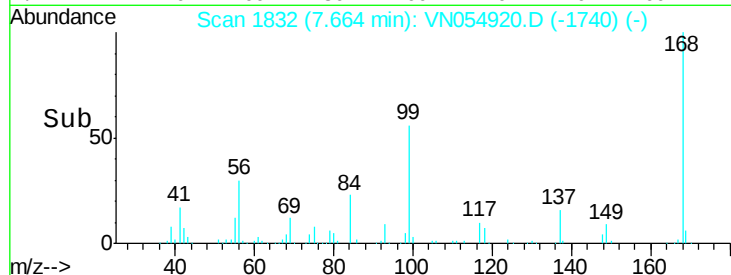
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.164 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054920.D

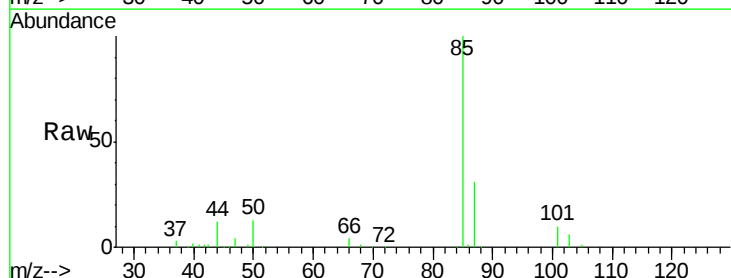
Acq: 3 Apr 2019 12:29

Tgt Ion: 85 Resp: 79659

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

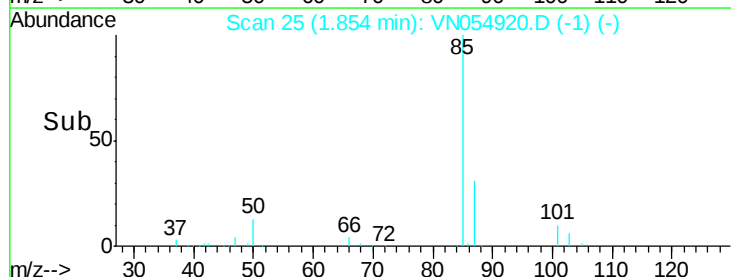
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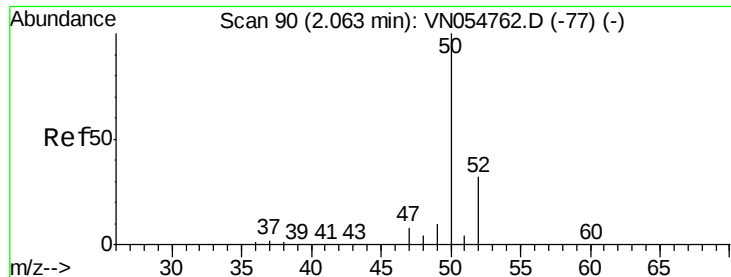
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20000

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Time-->





#3

Chloromethane

Concen: 19.489 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

Instrument :

MSVOA\_N

ClientSampleId :

VN0403WBS01

Tot Ion: 50 Resp: 112011

Ion Ratio Lower Upper

50 100

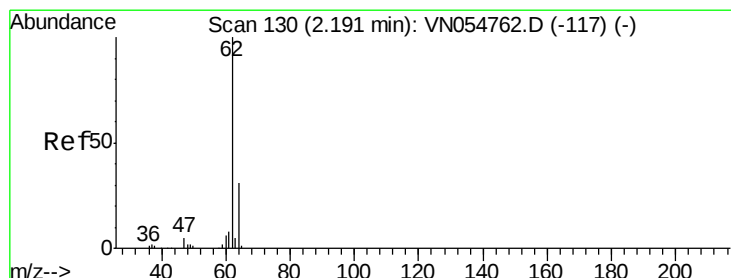
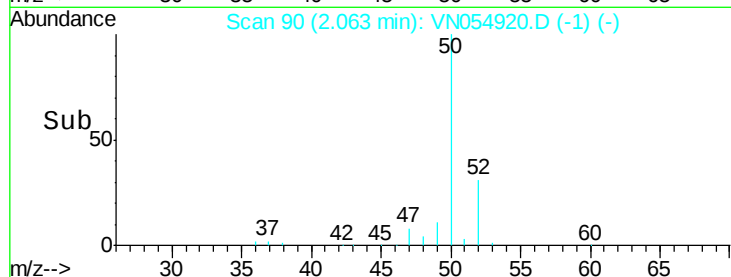
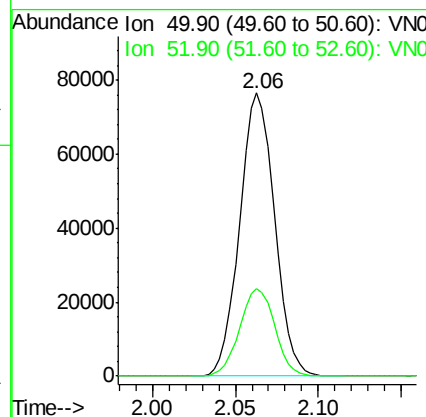
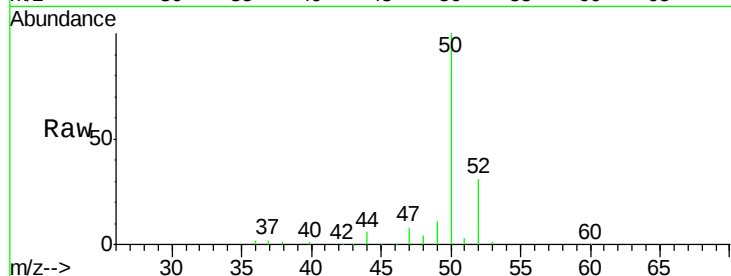
52 30.8 26.4 39.6

Manual Integrations

APPROVED

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4/4/2019 9:31:08 AM



#4

Vinyl Chloride

Concen: 20.099 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054920.D

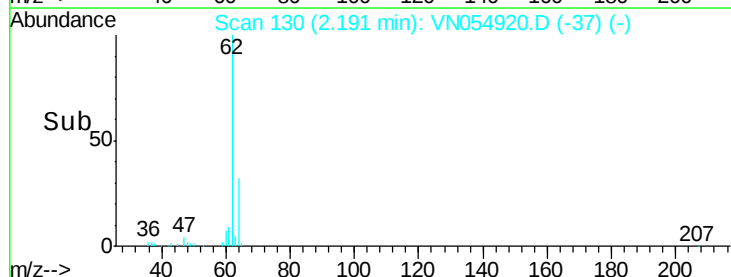
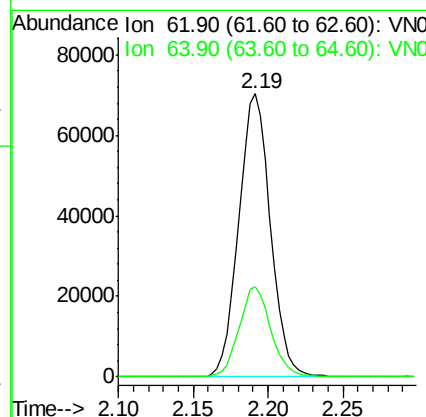
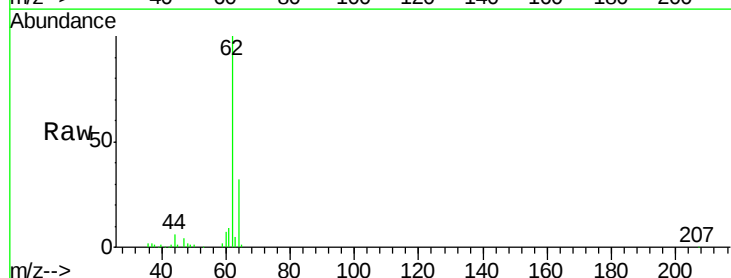
Acq: 3 Apr 2019 12:29

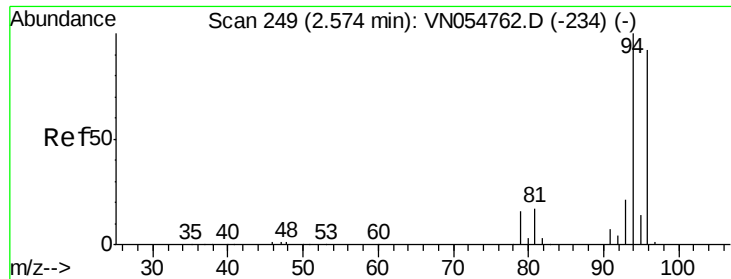
Tgt Ion: 62 Resp: 103739

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 20.690 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

Instrument :

MSVOA\_N

ClientSampleId :

VN0403WBS01

Tot Ion: 94 Resp: 59554

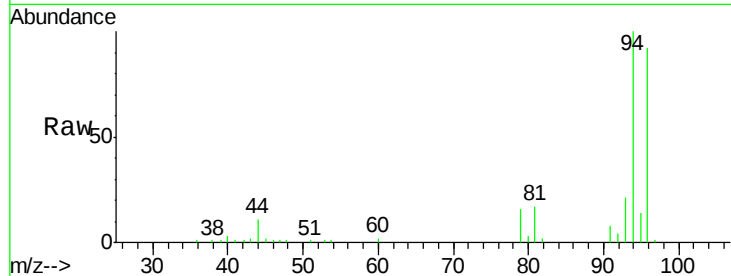
Ion Ratio Lower Upper

94 100

96 92.1 77.0 115.4

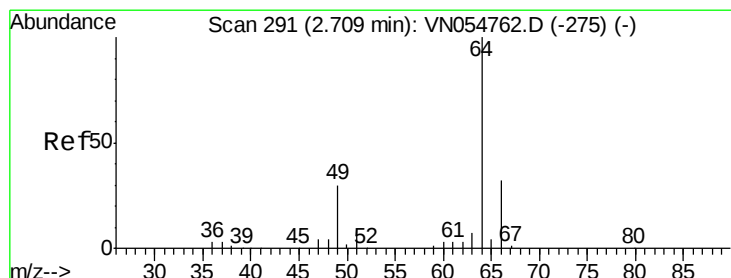
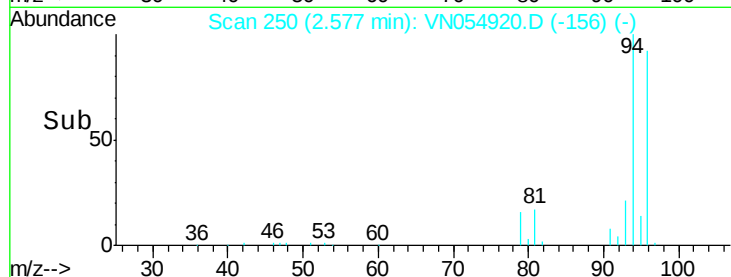
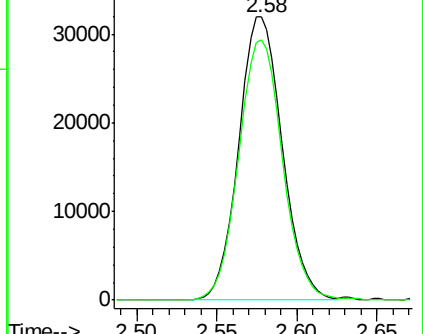
Manual Integrations  
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4/4/2019 9:31:08 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.607 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054920.D

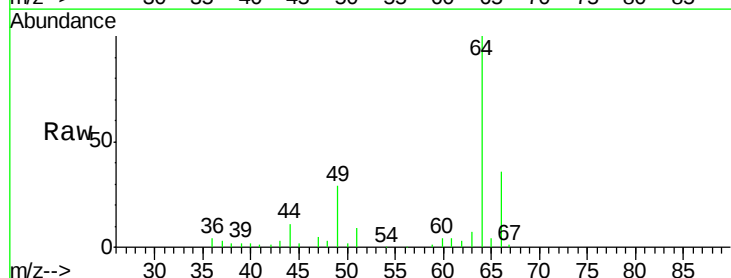
Acq: 3 Apr 2019 12:29

Tgt Ion: 64 Resp: 59392

Ion Ratio Lower Upper

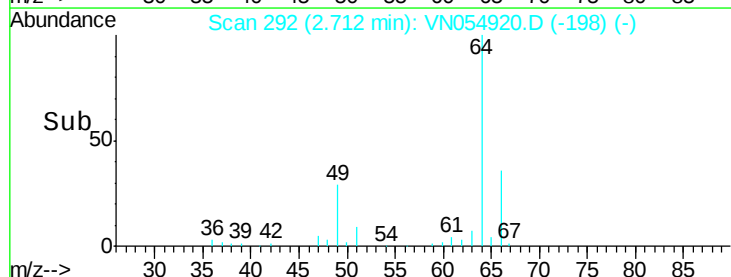
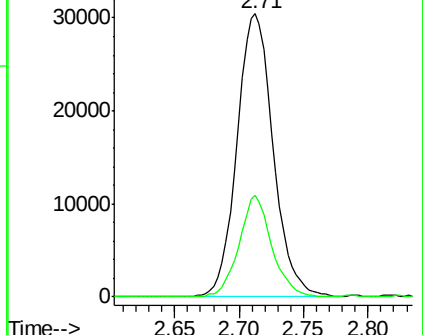
64 100

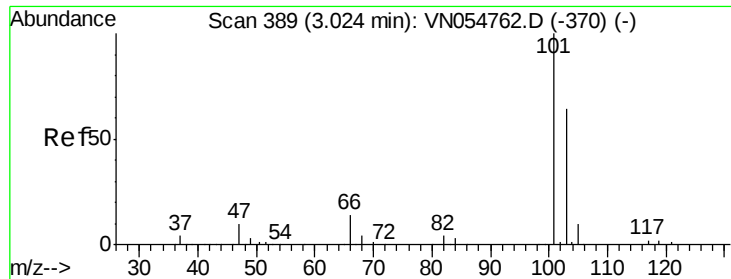
66 36.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

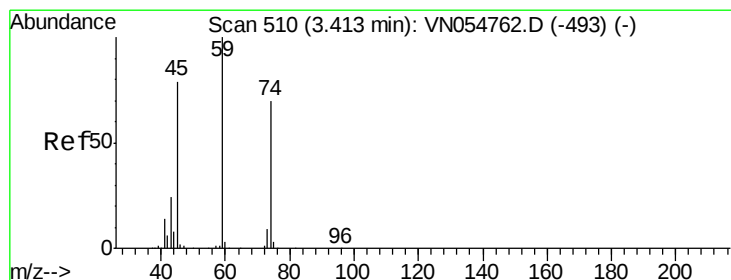
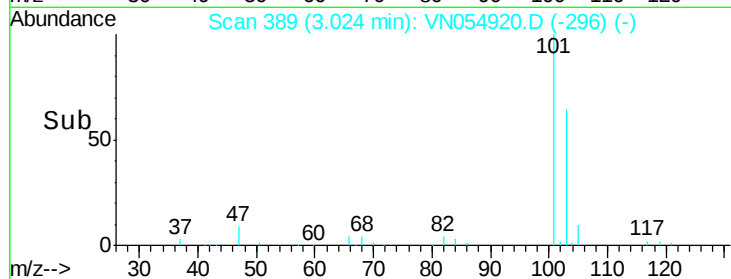
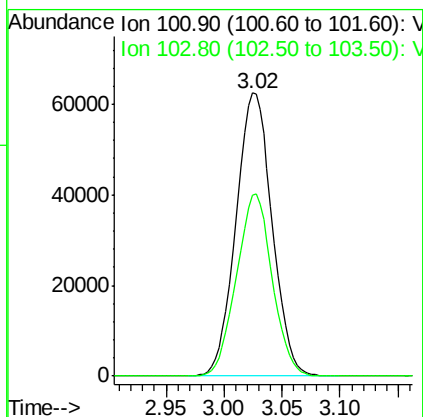
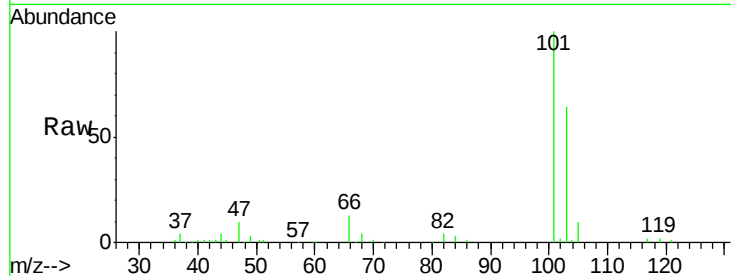
Trichlorofluoromethane  
 Concen: 21.313 ug/l  
 RT: 3.02 min Scan# 389  
 Delta R.T. 0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0403WBS01

Tot Ion:101 Resp: 135244  
 Ion Ratio Lower Upper  
 101 100  
 103 64.1 51.4 77.2

Manual Integrations  
 APPROVED

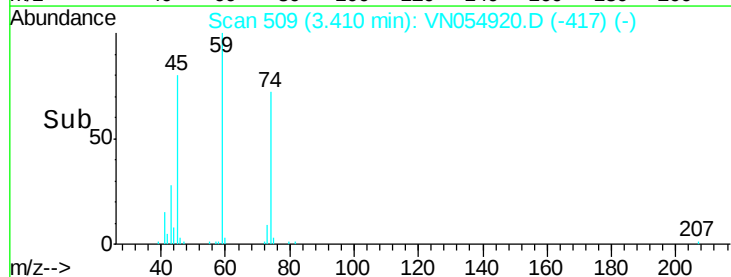
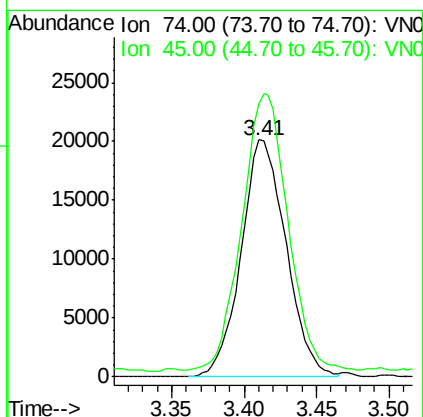
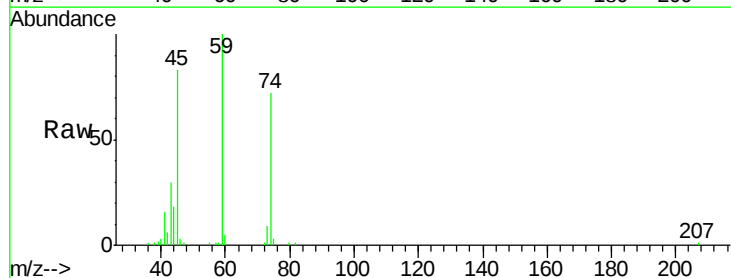
MMDadoda  
 4/4/2019 9:31:08 AM

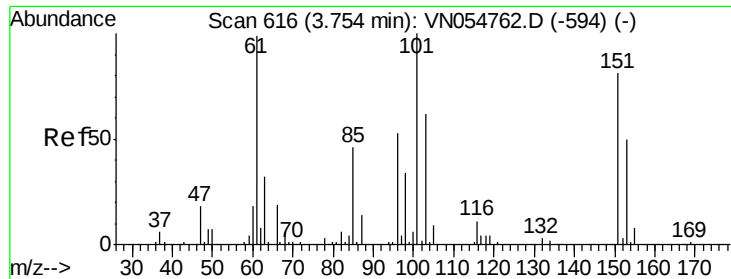


#8

Diethyl Ether  
 Concen: 21.240 ug/l  
 RT: 3.41 min Scan# 509  
 Delta R.T. -0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

Tgt Ion: 74 Resp: 43399  
 Ion Ratio Lower Upper  
 74 100  
 45 119.0 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.529 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

Instrument :

MSVOA\_N

ClientSampleId :

VN0403WBS01

Tot Ion:101 Resp: 71918

Ion Ratio Lower Upper

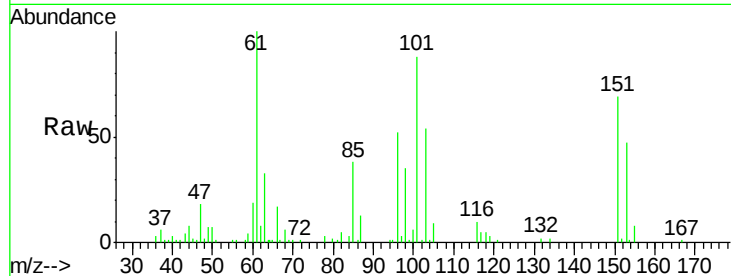
101 100

85 45.6 32.4 48.6

151 79.2 68.2 102.2

Manual Integrations  
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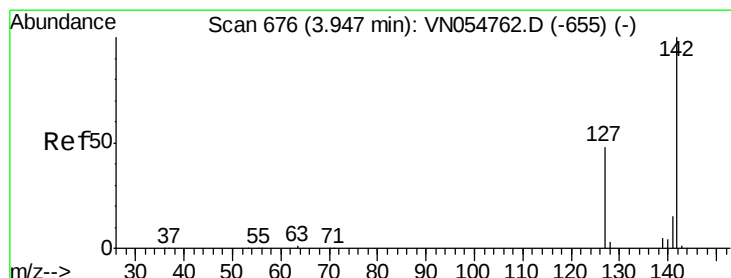
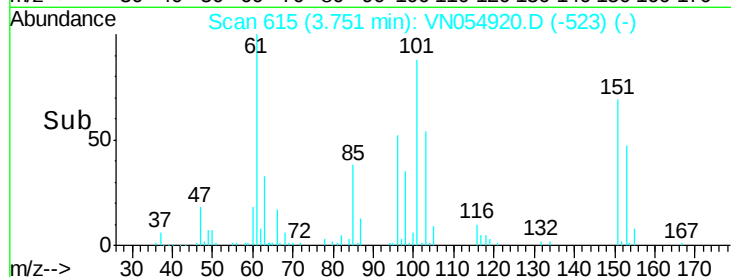
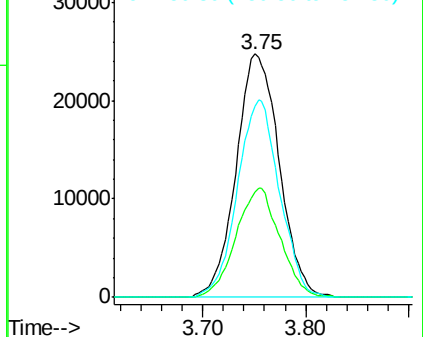
MMDadoda  
4/4/2019 9:31:08 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.362 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

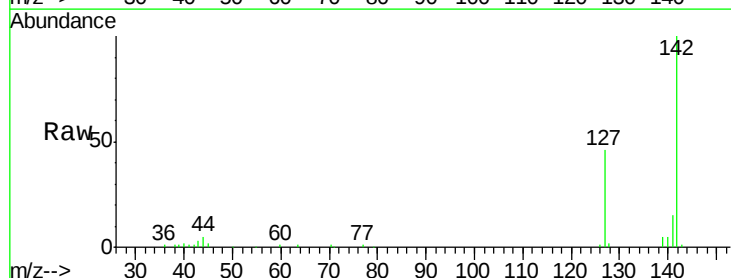
Tgt Ion:142 Resp: 93115

Ion Ratio Lower Upper

142 100

127 45.9 30.3 45.5#

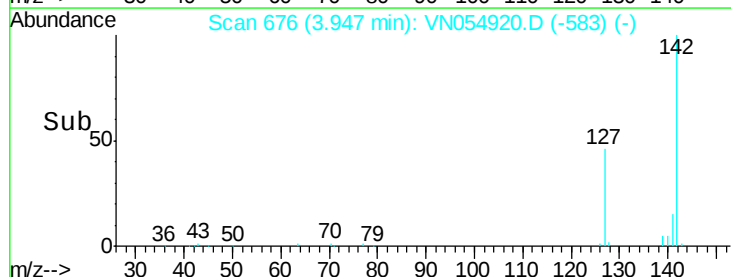
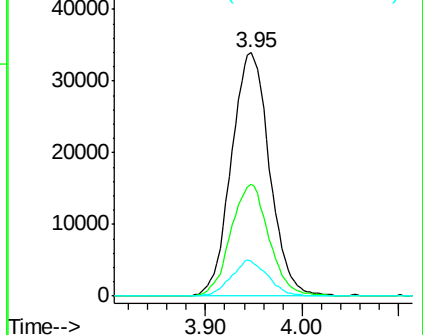
141 14.2 11.2 16.8

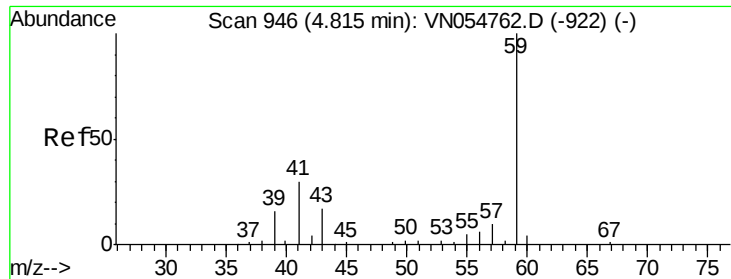


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





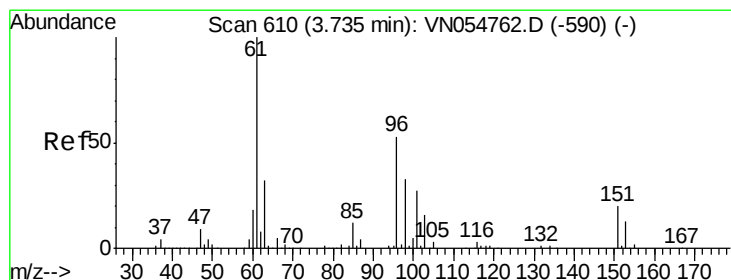
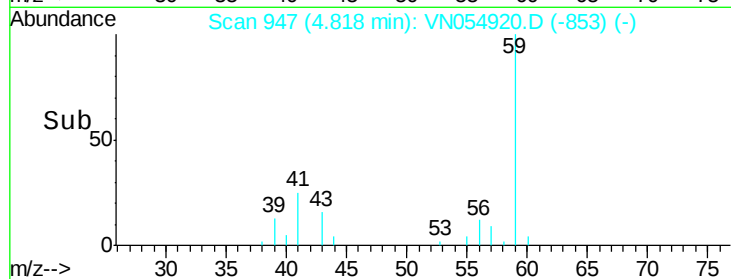
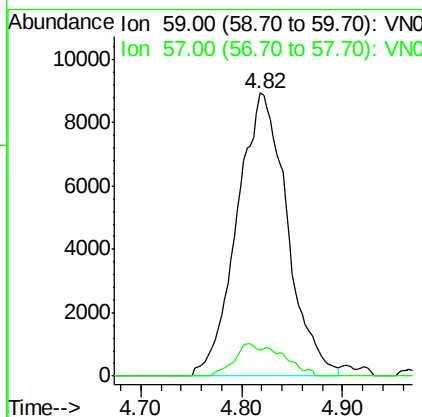
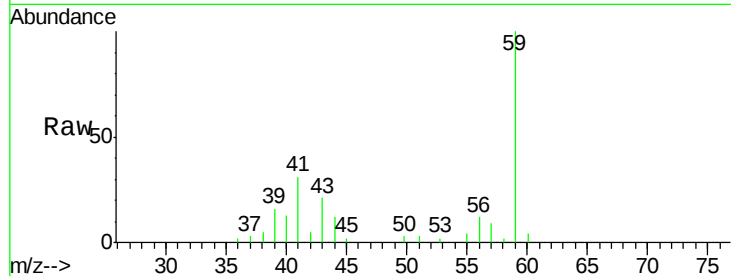
#11  
Tert butyl alcohol  
Concen: 106.715 ug/l  
RT: 4.82 min Scan# 947  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0403WBS01

Tot Ion: 59 Resp: 30801  
Ion Ratio Lower Upper  
59 100  
57 5.7 9.0 13.6#

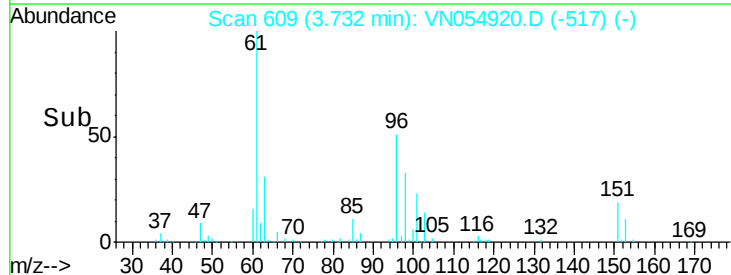
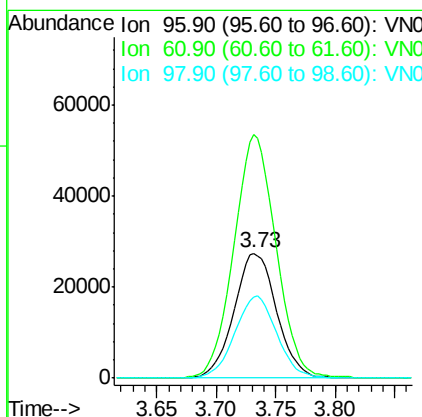
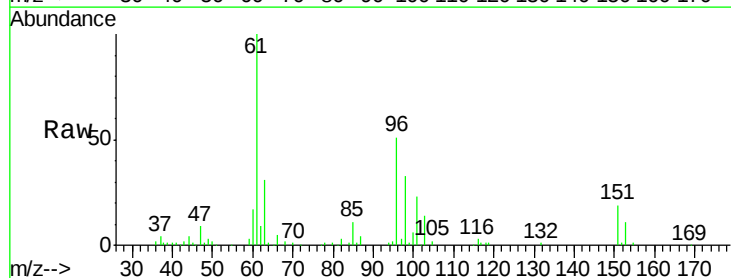
Manual Integrations  
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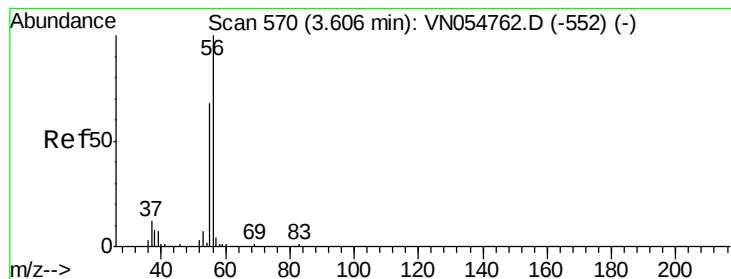
MMDadoda  
4/4/2019 9:31:08 AM



#12  
1,1-Dichloroethene  
Concen: 21.065 ug/l  
RT: 3.73 min Scan# 609  
Delta R.T. -0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Tgt Ion: 96 Resp: 68048  
Ion Ratio Lower Upper  
96 100  
61 194.1 116.5 174.7#  
98 65.3 51.0 76.4





#13

Acrolein

Concen: 92.586 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

Instrument :

MSVOA\_N

ClientSampleId :

VN0403WBS01

Tot Ion: 56 Resp: 23890

Ion Ratio Lower Upper

56 100

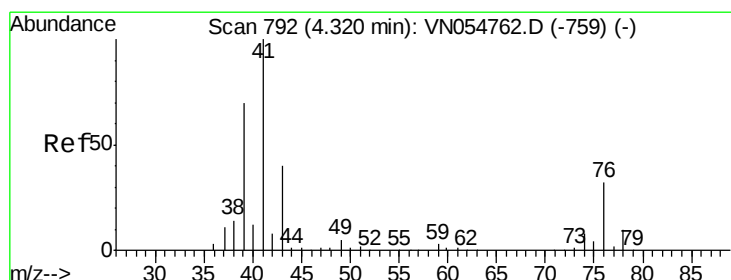
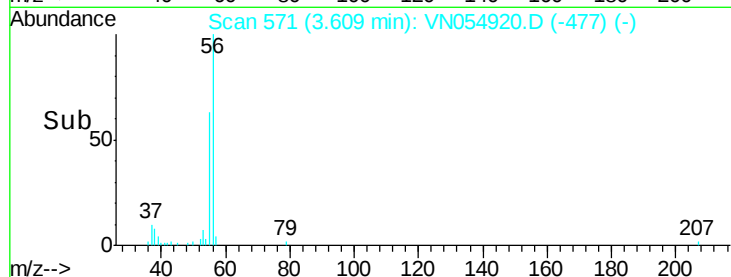
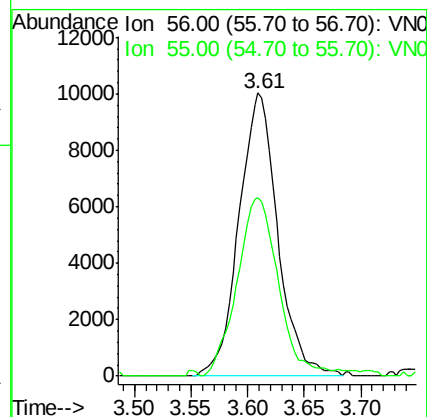
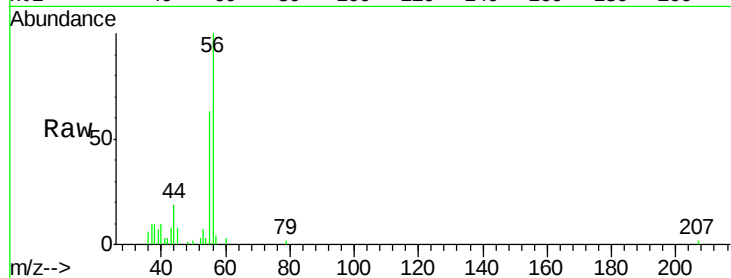
55 67.7 56.7 85.1

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#14

Allyl chloride

Concen: 20.501 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

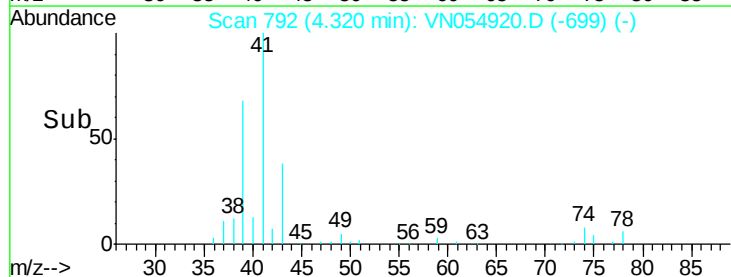
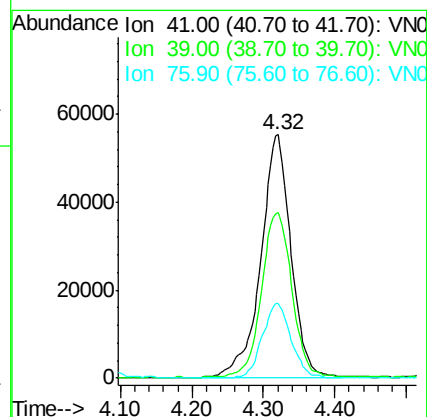
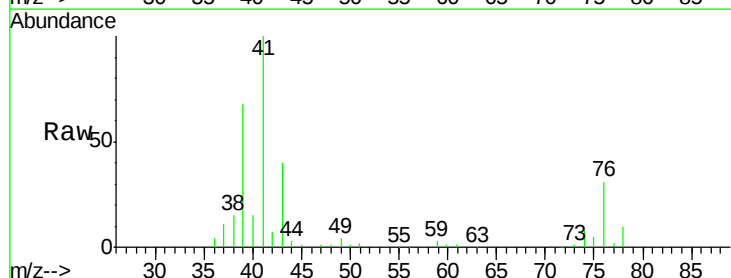
Tgt Ion: 41 Resp: 163116

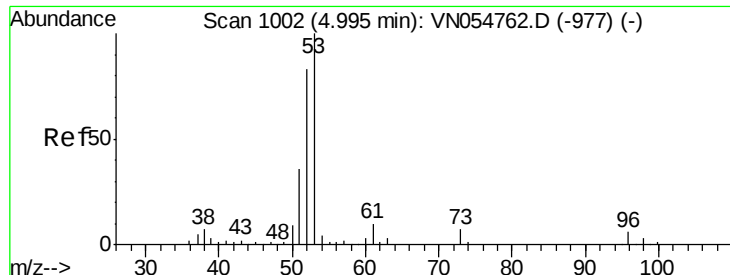
Ion Ratio Lower Upper

41 100

39 66.8 58.2 87.4

76 28.9 31.7 47.5#





#15

Acrylonitrile

Concen: 107.925 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

Instrument :

MSVOA\_N

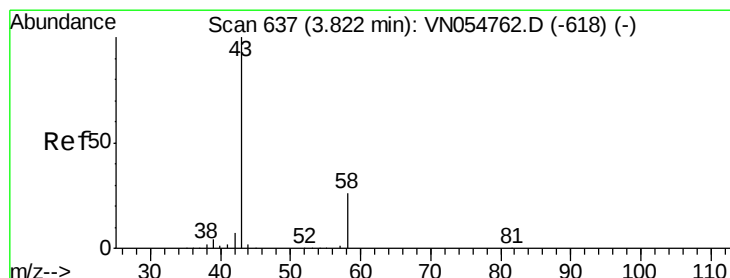
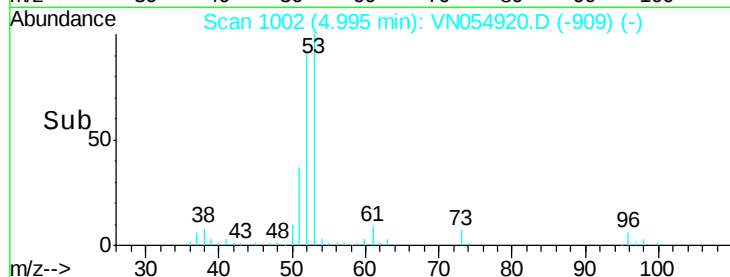
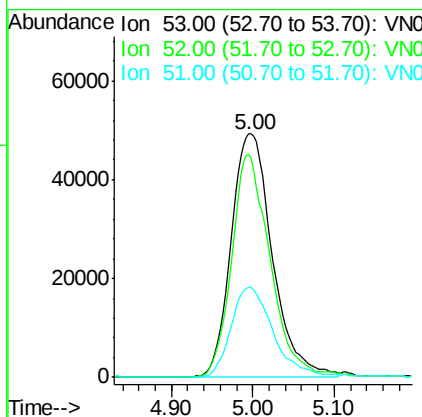
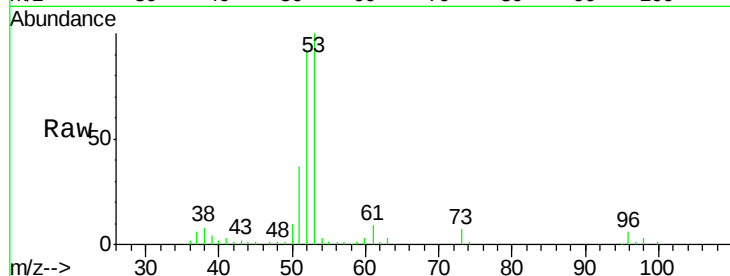
ClientSampleId :

VN0403WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 173143 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 86.2  | 66.4  | 99.6   |
| 51       | 37.7  | 29.6  | 44.4   |

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#16

Acetone

Concen: 103.641 ug/l

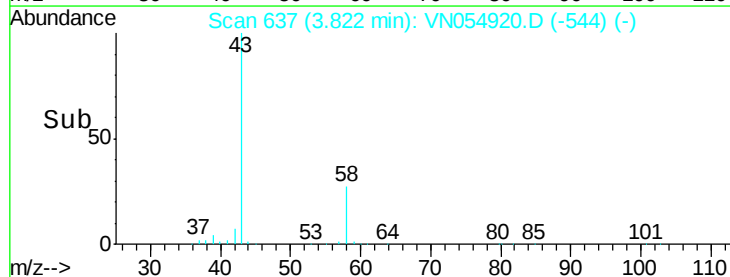
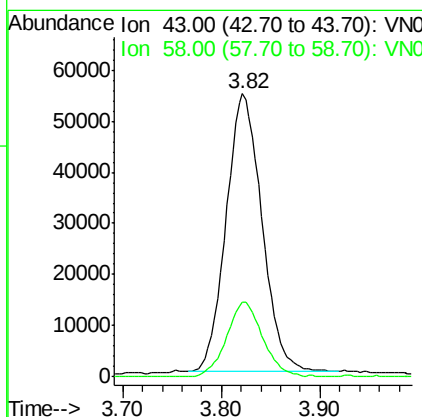
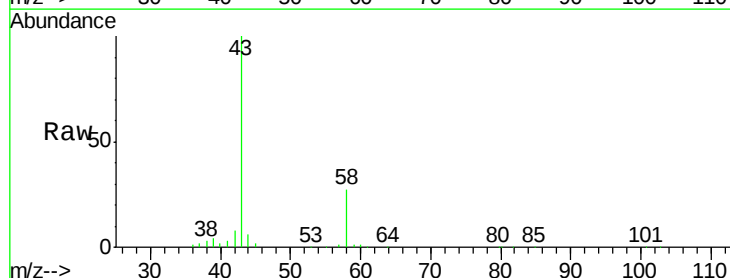
RT: 3.82 min Scan# 637

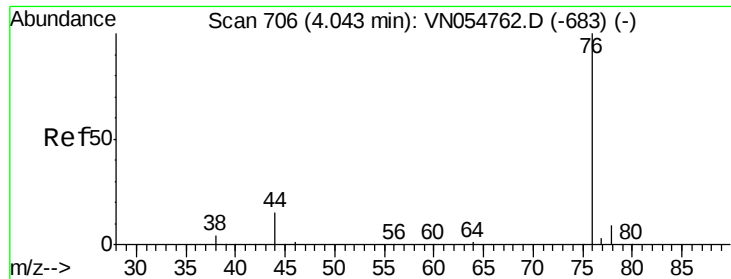
Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 136912 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 26.7  | 29.9  | 44.9#  |





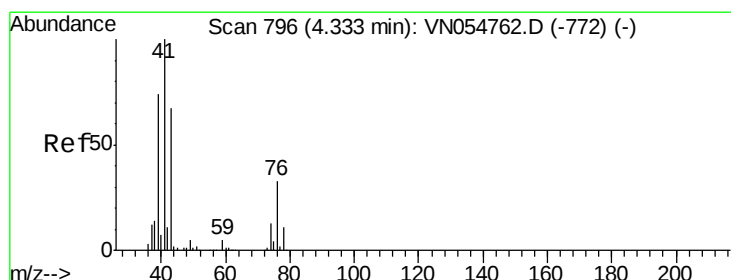
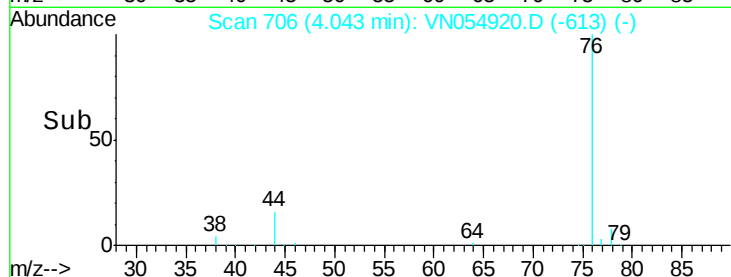
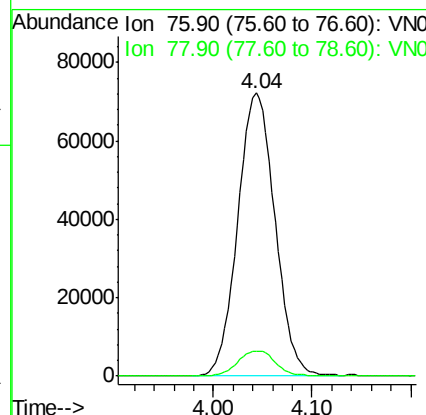
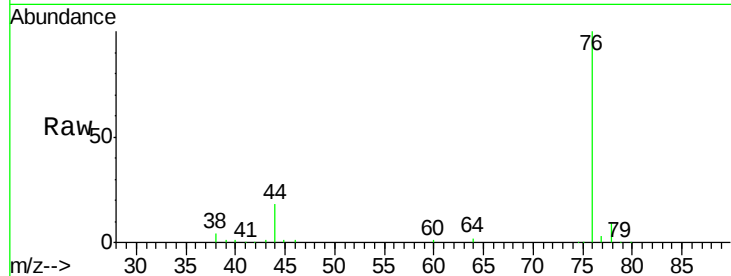
#17  
Carbon Disulfide  
Concen: 18.072 ug/l  
RT: 4.04 min Scan# 706  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0403WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.8   | 7.5   | 11.3  |

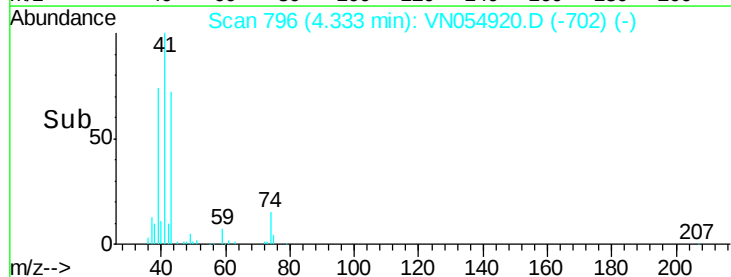
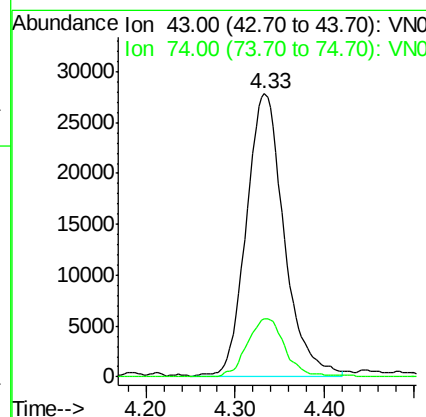
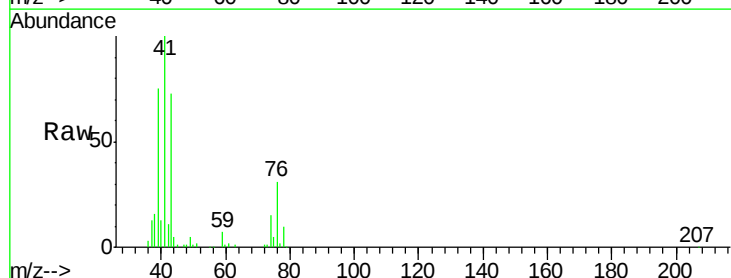
Manual Integrations  
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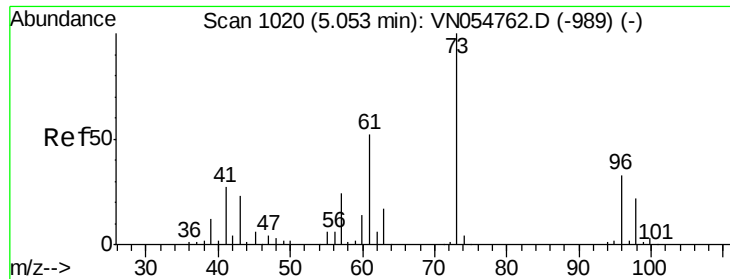
MMDadoda  
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#18  
Methyl Acetate  
Concen: 23.462 ug/l  
RT: 4.33 min Scan# 796  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 20.3  | 20.8  | 31.2# |





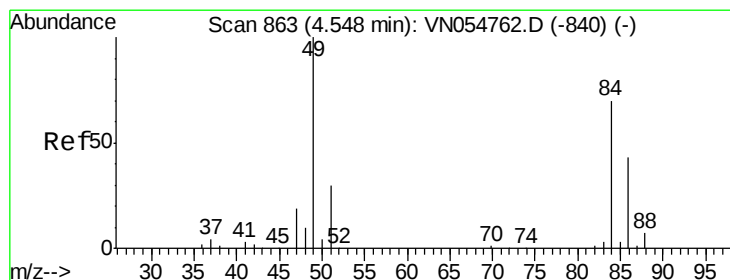
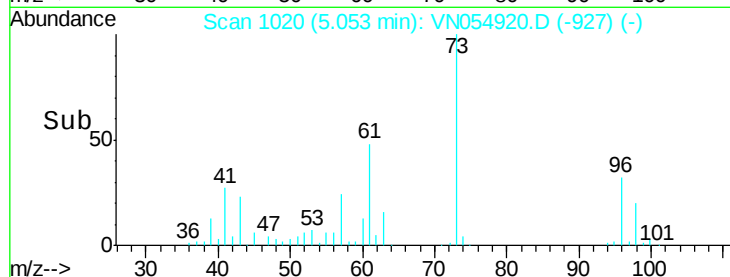
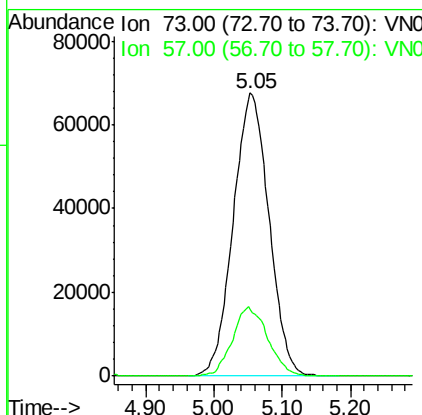
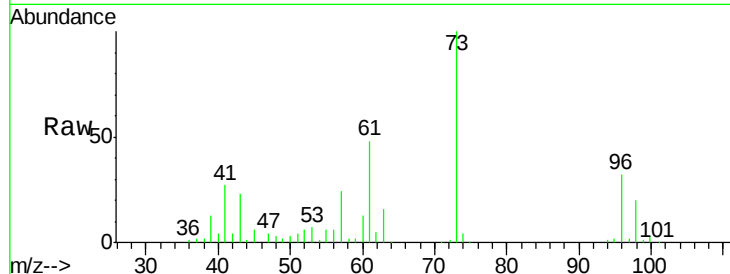
#19  
Methvl tert-butvl Ether  
Concen: 21.773 ug/l  
RT: 5.05 min Scan# 1020  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0403WBS01

Tot Ion: 73 Resp: 246020  
Ion Ratio Lower Upper  
73 100  
57 23.8 16.8 25.2

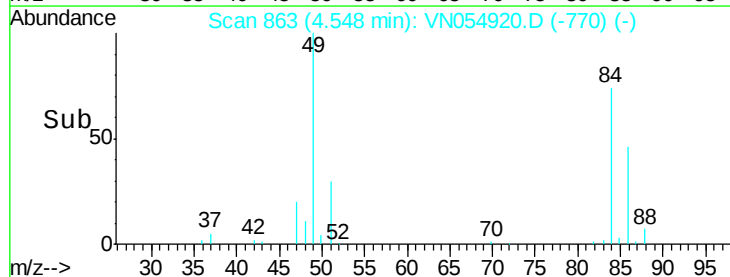
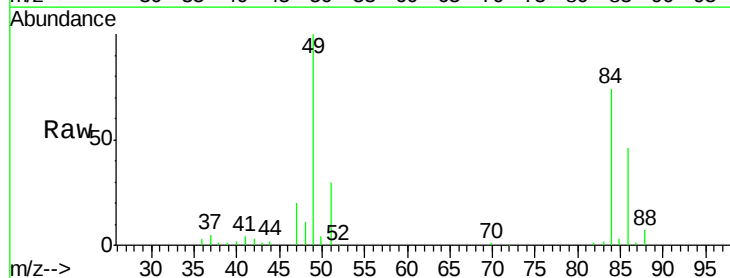
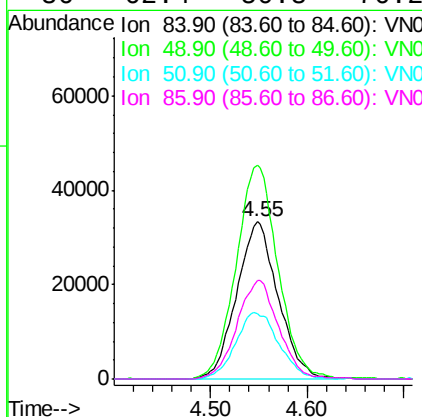
Manual Integrations  
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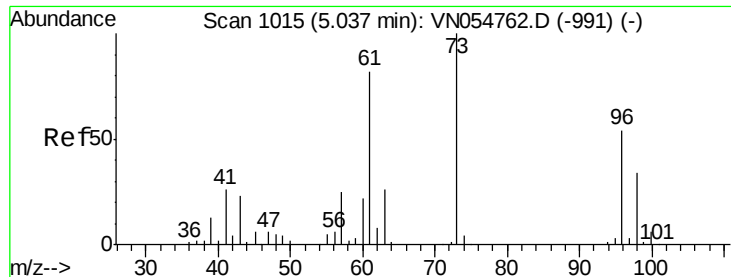
MMDadoda  
4/4/2019 9:31:08 AM



#20  
Methylene Chloride  
Concen: 21.226 ug/l  
RT: 4.55 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Tgt Ion: 84 Resp: 98907  
Ion Ratio Lower Upper  
84 100  
49 136.0 89.7 134.5#  
51 41.3 28.2 42.4  
86 62.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.805 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

Instrument :

MSVOA\_N

ClientSampled :

VN0403WBS01

Tot Ion: 96 Resp: 88275

Ion Ratio Lower Upper

96 100

61 153.3 102.8 154.2

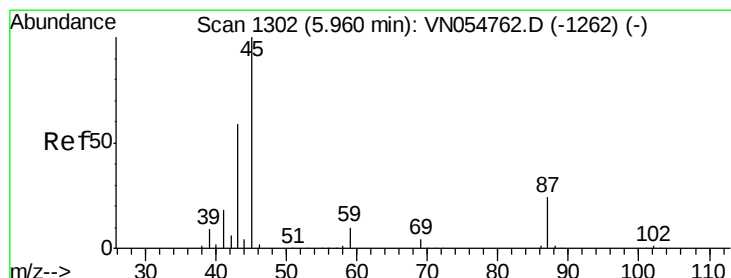
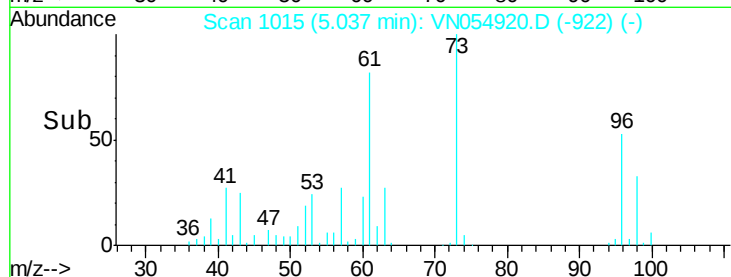
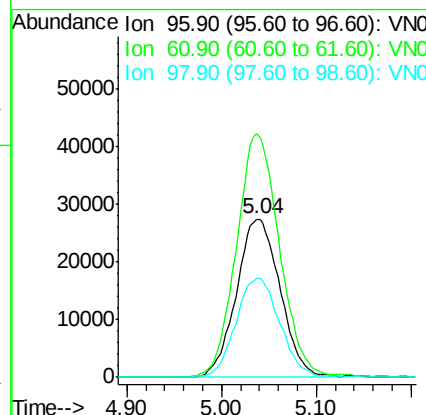
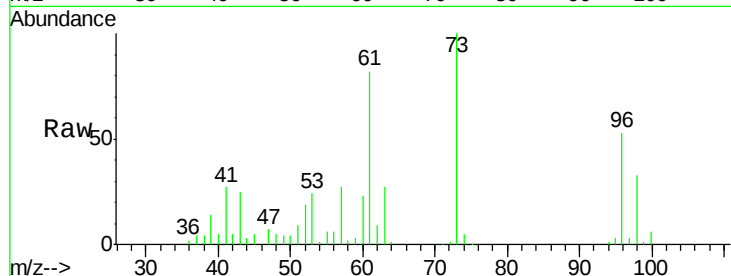
98 62.4 50.0 75.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 22.003 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

Tgt Ion: 45 Resp: 346266

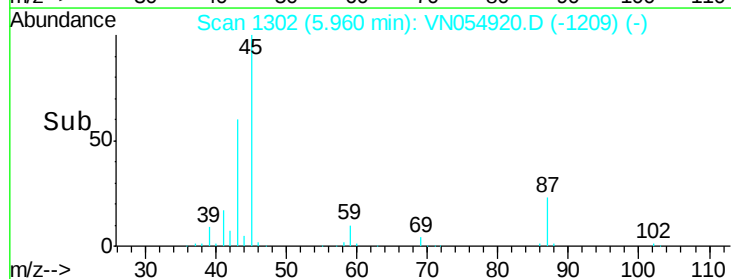
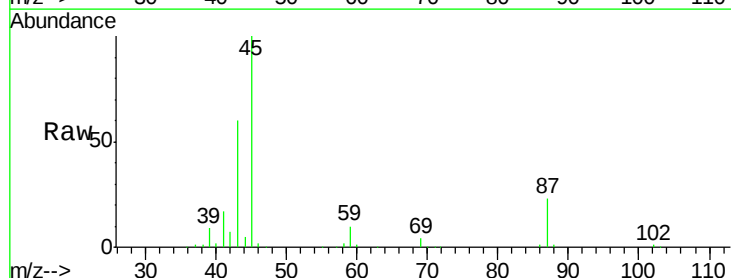
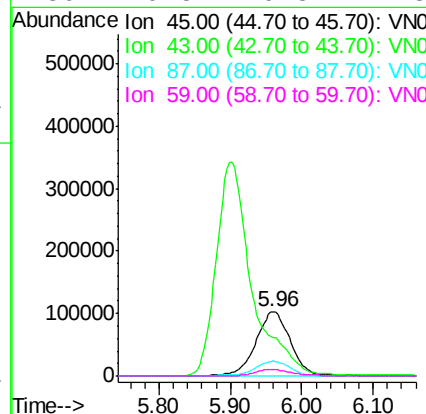
Ion Ratio Lower Upper

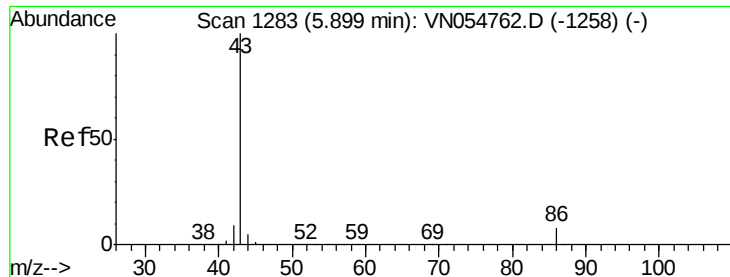
45 100

43 58.2 48.2 72.2

87 22.9 24.9 37.3#

59 9.8 9.5 14.3





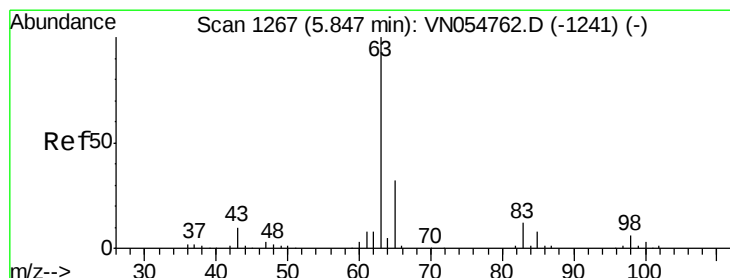
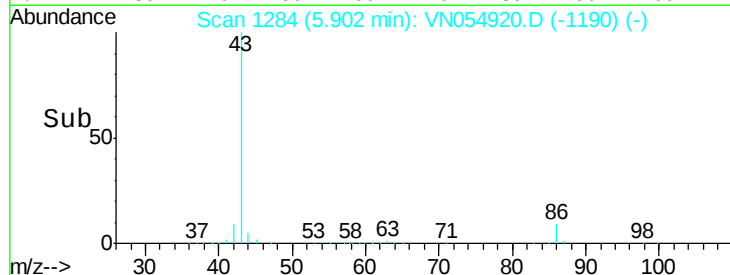
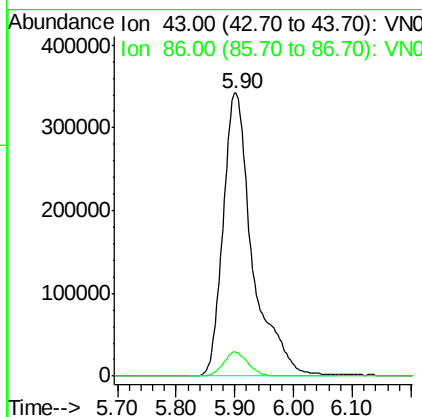
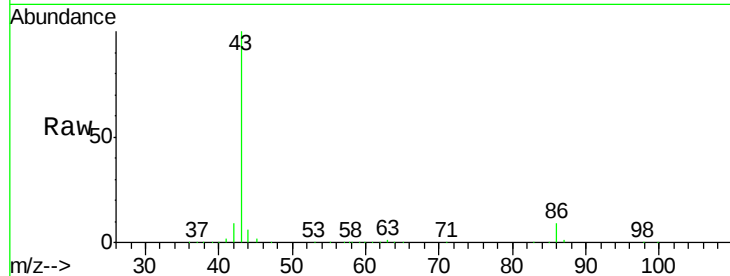
#23  
 Vinyl Acetate  
 Concen: 108.749 ug/l  
 RT: 5.90 min Scan# 1284  
 Delta R.T. 0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0403WBS01

Tot Ion: 43 Resp: 1190950  
 Ion Ratio Lower Upper  
 43 100  
 86 8.5 9.1 13.7#

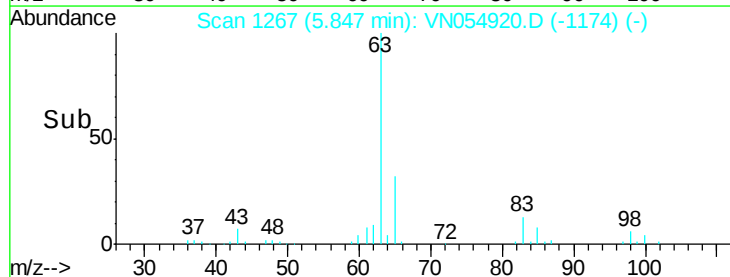
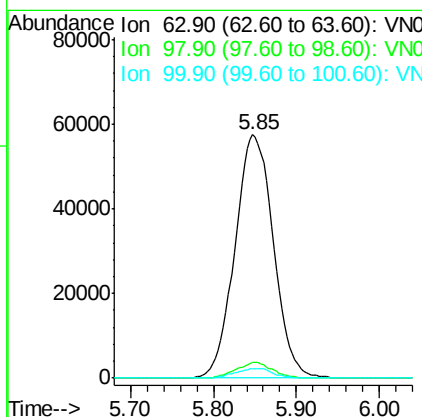
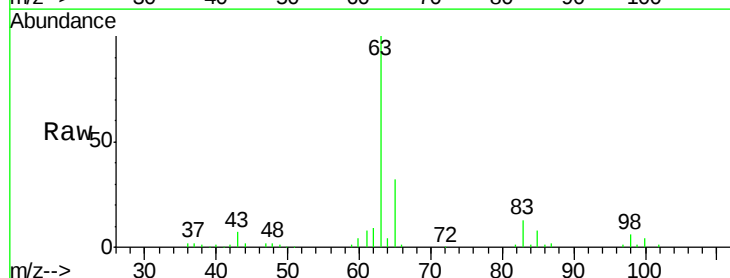
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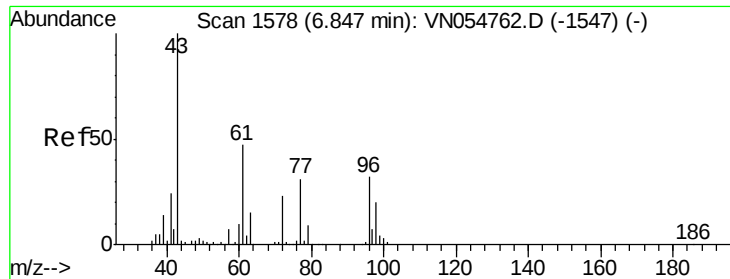
MMDadoda  
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#24  
 1,1-Dichloroethane  
 Concen: 22.043 ug/l  
 RT: 5.85 min Scan# 1267  
 Delta R.T. 0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

Tgt Ion: 63 Resp: 185043  
 Ion Ratio Lower Upper  
 63 100  
 98 6.4 3.5 10.5  
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 109.674 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

Instrument :

MSVOA\_N

ClientSampleId :

VN0403WBS01

Tot Ion: 43 Resp: 214164

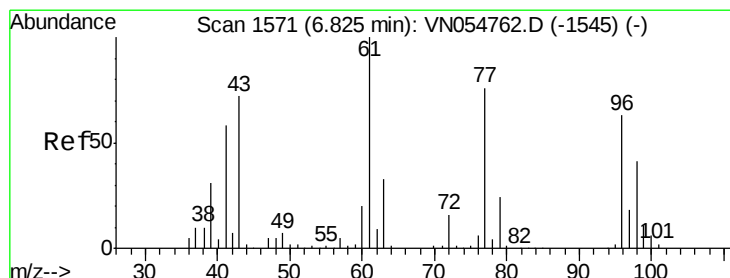
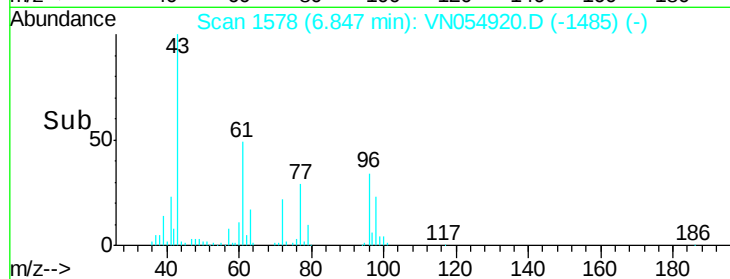
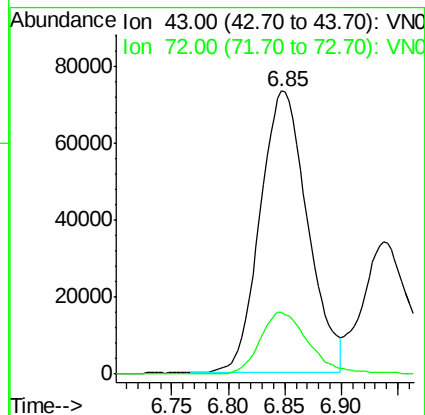
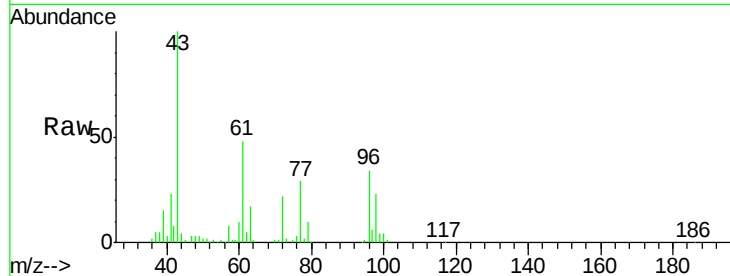
Ion Ratio Lower Upper

43 100

72 22.0 23.0 34.6#

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#26

2,2-Dichloropropane

Concen: 20.656 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054920.D

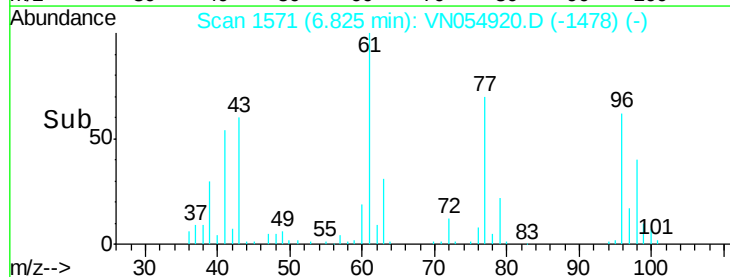
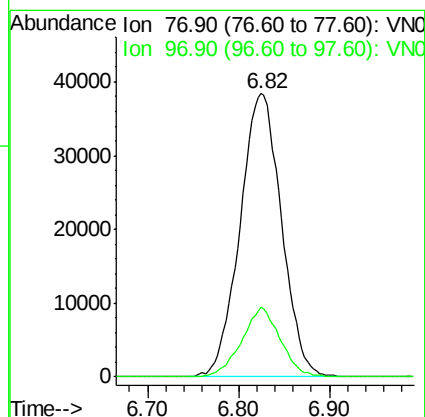
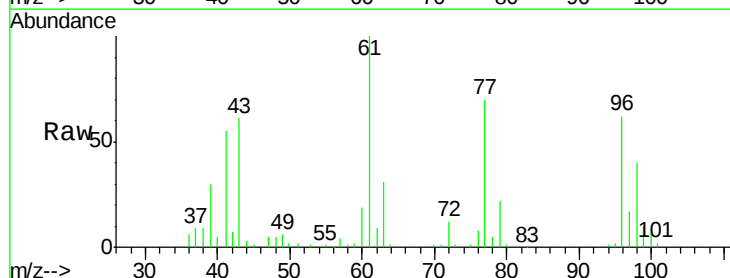
Acq: 3 Apr 2019 12:29

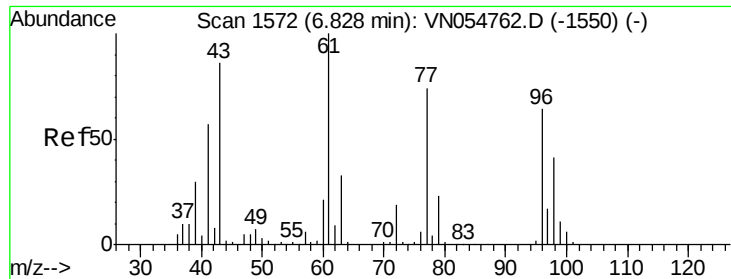
Tgt Ion: 77 Resp: 121533

Ion Ratio Lower Upper

77 100

97 22.8 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.755 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

Instrument :

MSVOA\_N

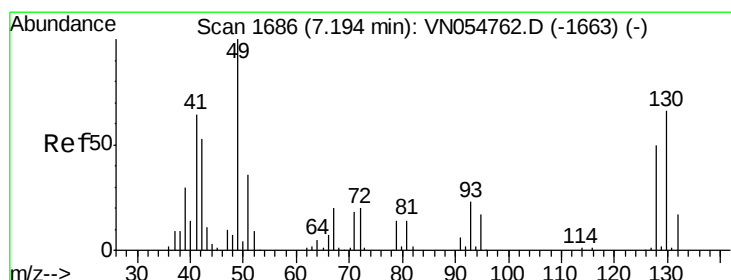
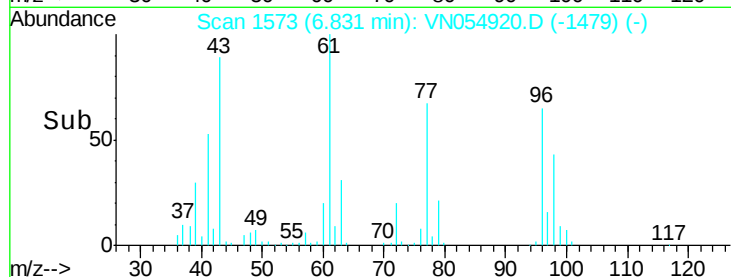
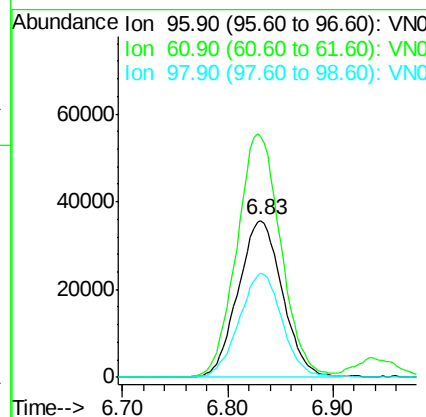
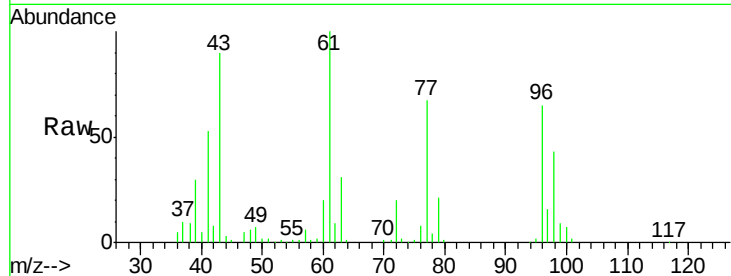
ClientSampleId :

VN0403WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 104273 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 154.7 | 0.0   | 273.0  |
| 98       | 64.8  | 0.0   | 130.6  |

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#28

Bromochloromethane

Concen: 21.964 ug/l

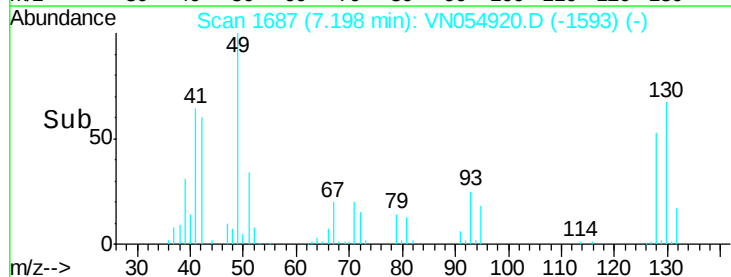
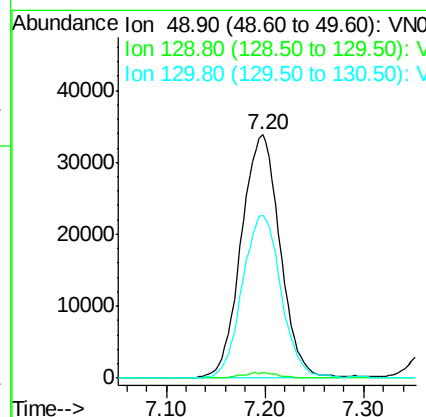
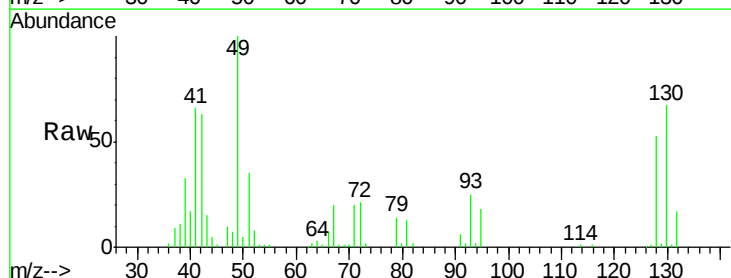
RT: 7.20 min Scan# 1687

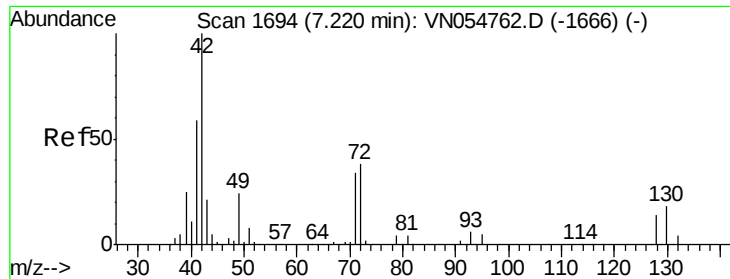
Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 92199  |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 1.0   | 0.0   | 4.6    |
| 130      | 66.7  | 76.7  | 115.1# |





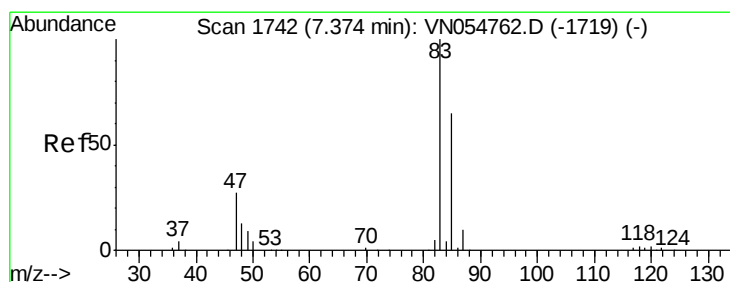
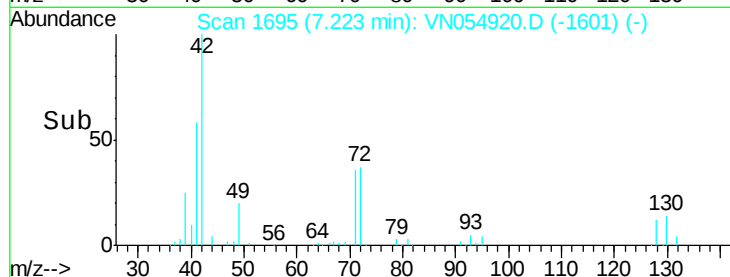
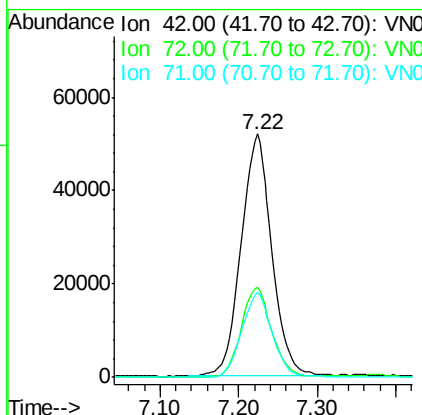
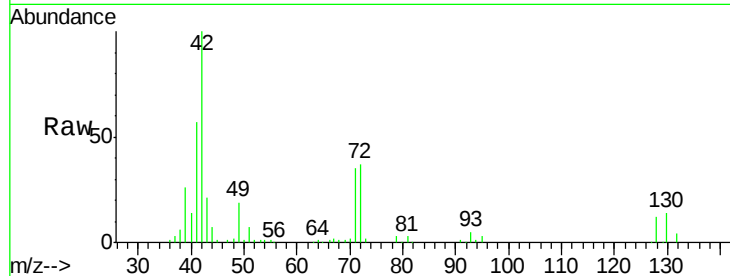
#29  
Tetrahydrofuran  
Concen: 105.140 ug/l  
RT: 7.22 min Scan# 1695  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0403WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 36.9  | 37.8  | 56.6# |
| 71      | 34.3  | 36.2  | 54.2# |

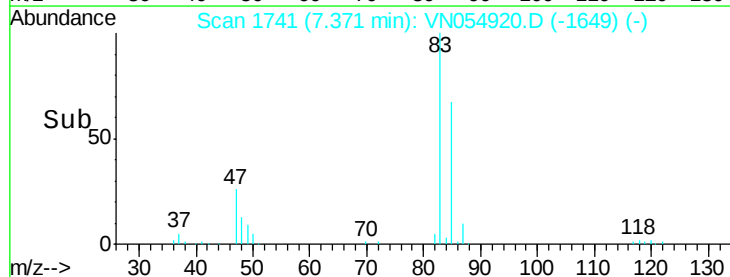
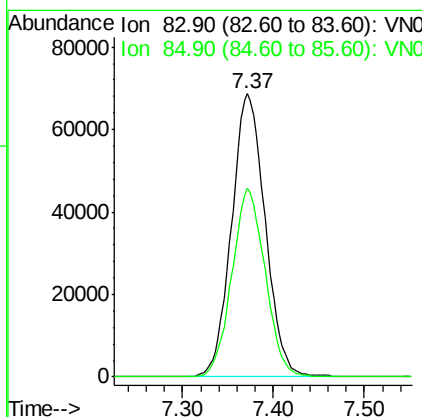
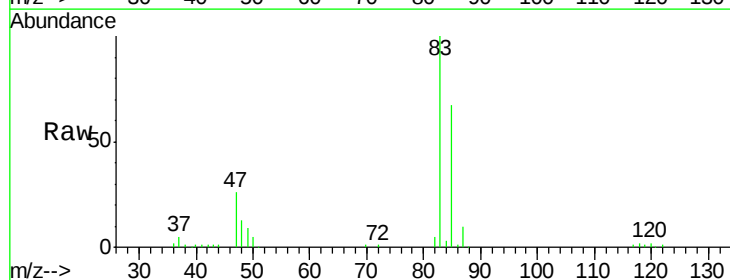
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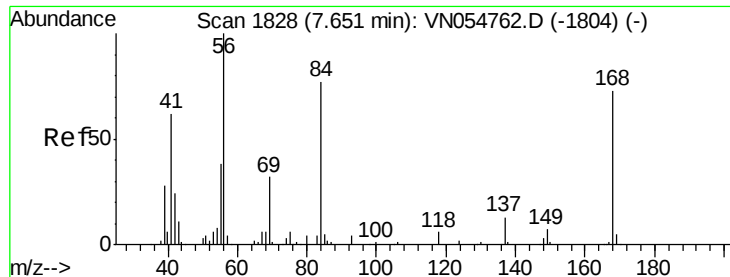
MMDadoda  
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#30  
Chloroform  
Concen: 22.031 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.9  | 52.2  | 78.4  |





#31

Cyclohexane

Concen: 20.761 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

Instrument :

MSVOA\_N

ClientSampled :

VN0403WBS01

Tot Ion: 56 Resp: 168019

Ion Ratio Lower Upper

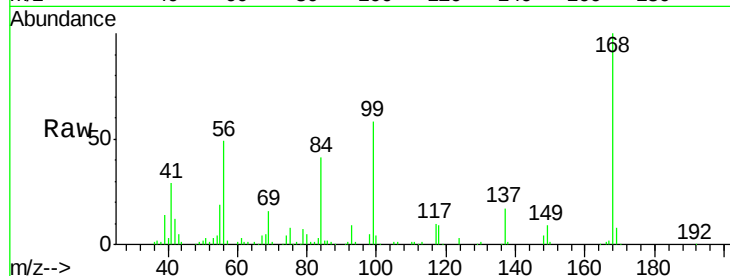
56 100

69 33.1 27.8 41.6

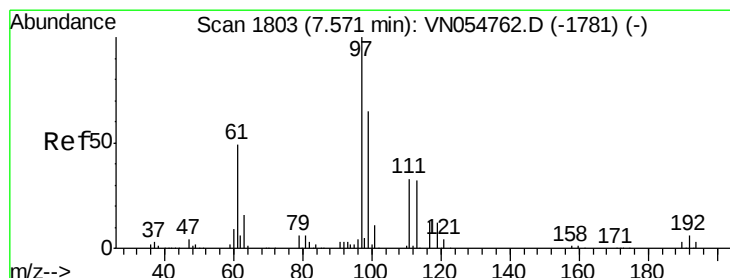
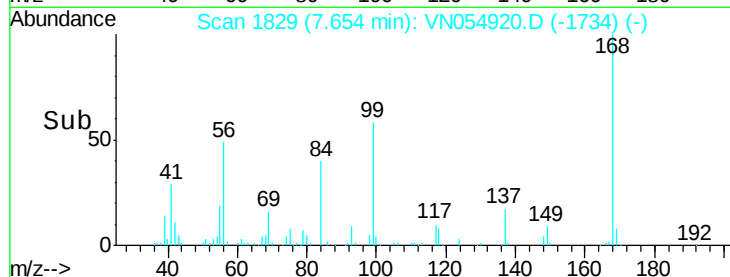
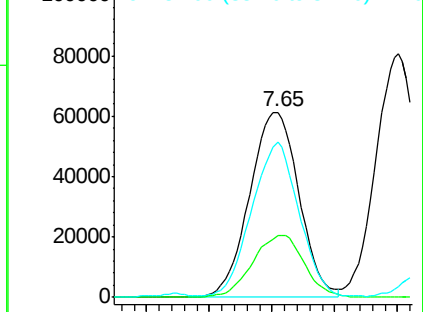
84 82.5 74.6 111.8

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Abundance Ion 56.00 (55.70 to 56.70): VNC  
Ion 69.00 (68.70 to 69.70): VNC  
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 21.747 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

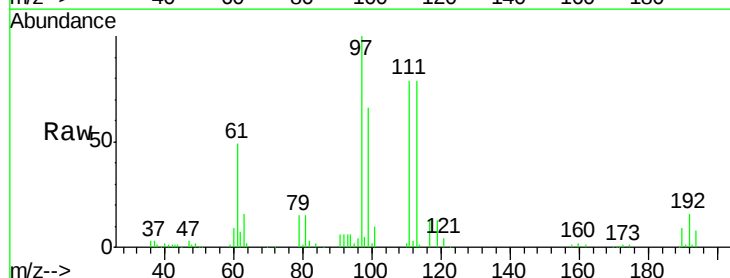
Tgt Ion: 97 Resp: 144263

Ion Ratio Lower Upper

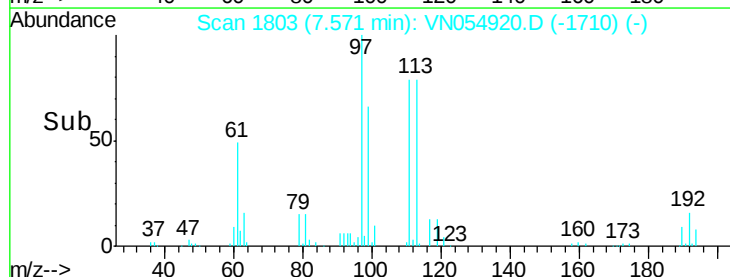
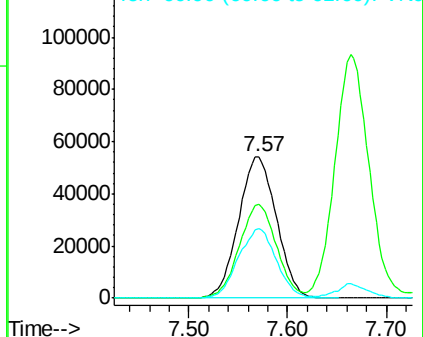
97 100

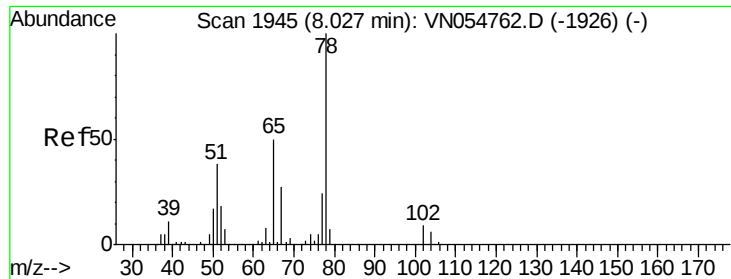
99 64.8 51.5 77.3

61 49.1 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VNC  
Ion 98.90 (98.60 to 99.60): VNC  
Ion 60.90 (60.60 to 61.60): VNC





#33

1,2-Dichloroethane-d4

Concen: 52.696 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

Instrument :

MSVOA\_N

ClientSampled :

VN0403WBS01

Tot Ion: 65 Resp: 291922

Ion Ratio Lower Upper

65 100

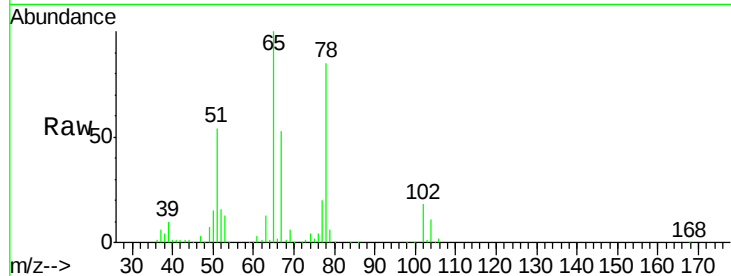
67 53.4 0.0 104.6

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Abundance Ion 64.90 (64.60 to 65.60): VN054920.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054920.D (-1852) (-)

8.03

150000

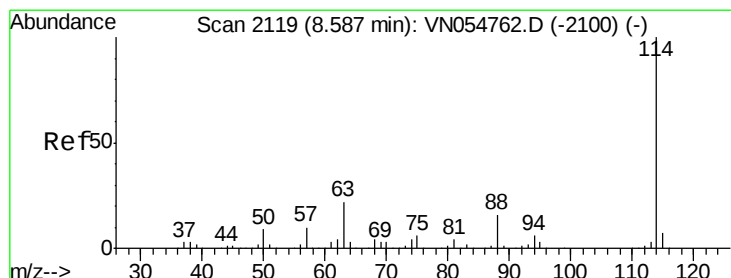
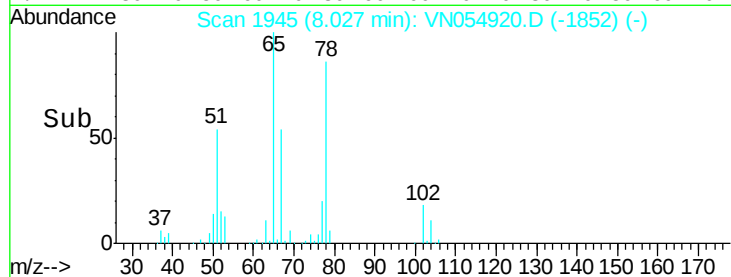
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

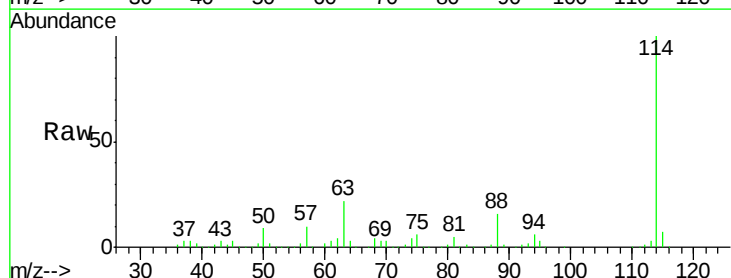
Tgt Ion: 114 Resp: 681438

Ion Ratio Lower Upper

114 100

63 22.2 0.0 35.2

88 16.4 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054920.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054920.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054920.D (-2026) (-)

8.59

400000

300000

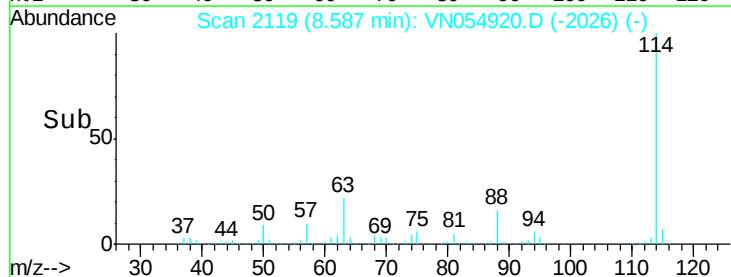
200000

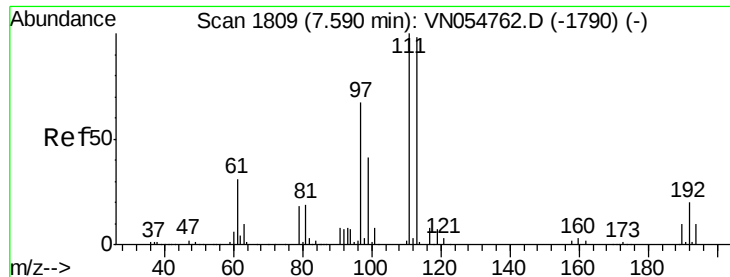
100000

0

8.40 8.50 8.60 8.70 8.80

Time-->





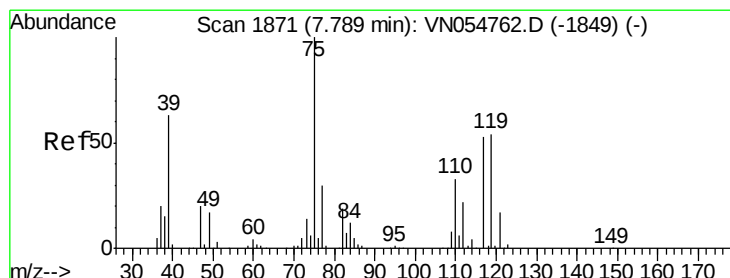
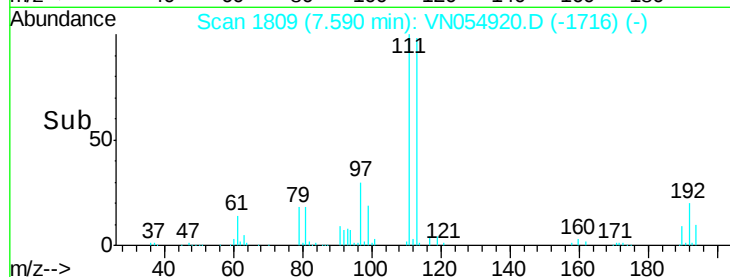
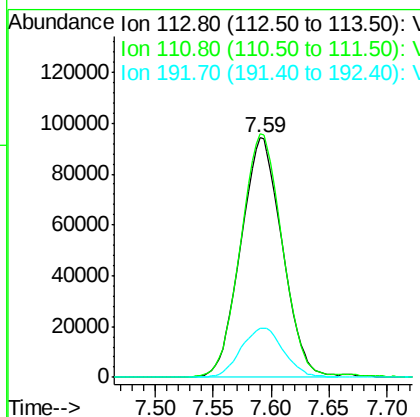
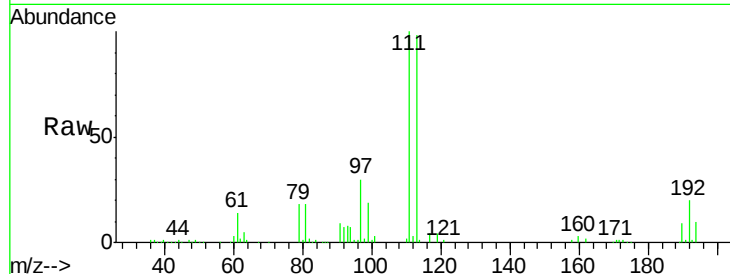
#35  
 Dibromofluoromethane  
 Concen: 51.731 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0403WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 235018 |       |       |
| 111     | 102.2 | 82.2   | 123.4 |       |
| 192     | 21.1  | 19.2   | 28.8  |       |

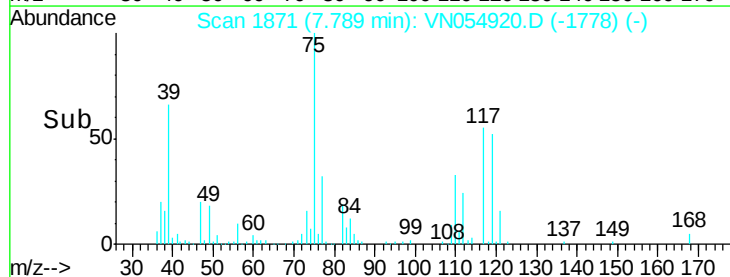
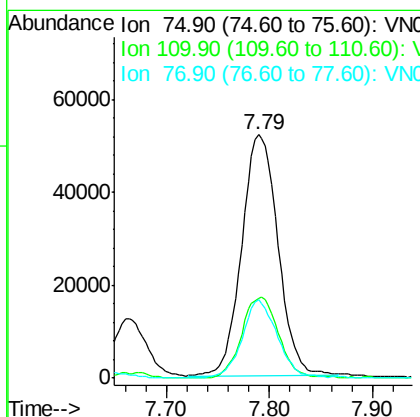
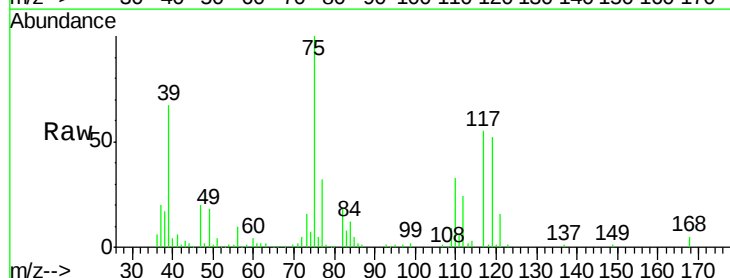
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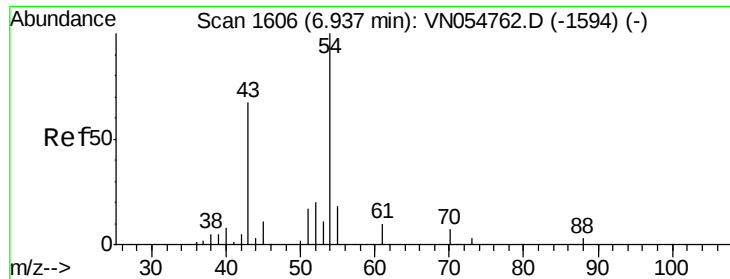
MMDadoda  
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#36  
 1,1-Dichloropropene  
 Concen: 20.101 ug/l  
 RT: 7.79 min Scan# 1871  
 Delta R.T. 0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 127637 |       |       |
| 110     | 34.1  | 19.1   | 57.5  |       |
| 77      | 31.4  | 25.0   | 37.4  |       |





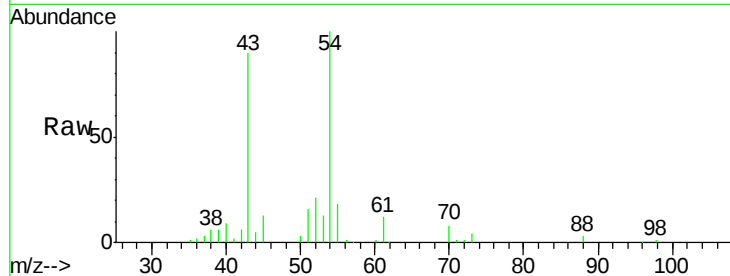
#37  
Ethyl Acetate  
Concen: 20.152 ug/l  
RT: 6.94 min Scan# 1606  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0403WBS01

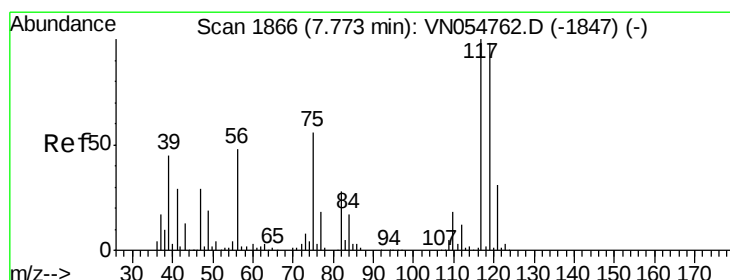
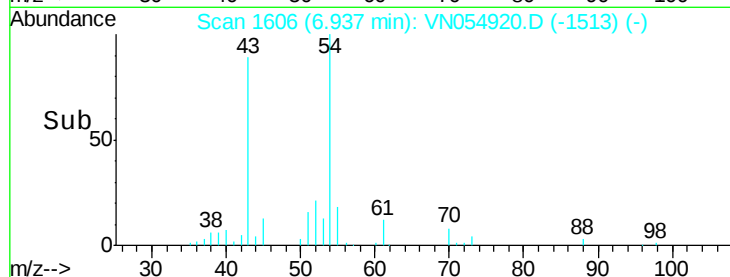
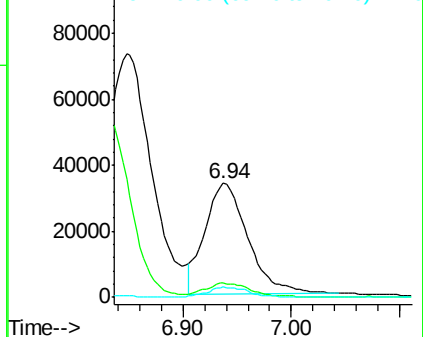
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.9  | 11.8  | 17.6  |
| 70      | 8.9   | 8.4   | 12.6  |

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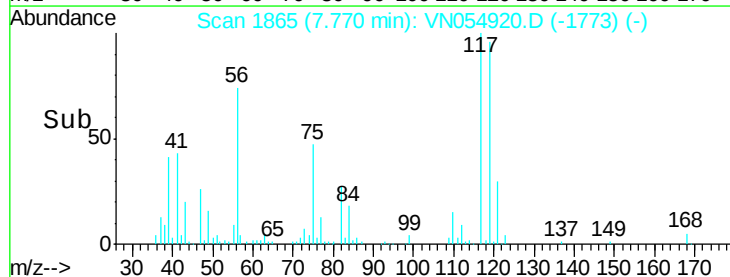
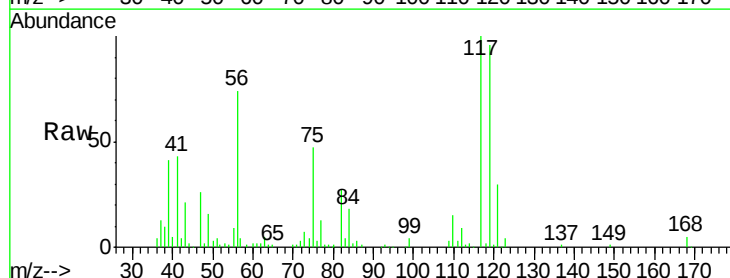
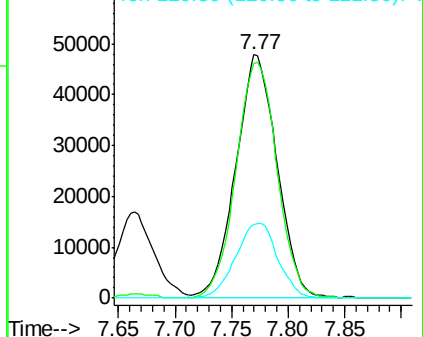
Abundance Ion 43.00 (42.70 to 43.70): VN054920.D (-1513) (-)  
Ion 60.90 (60.60 to 61.60): VN054920.D (-1513) (-)  
Ion 70.00 (69.70 to 70.70): VN054920.D (-1513) (-)

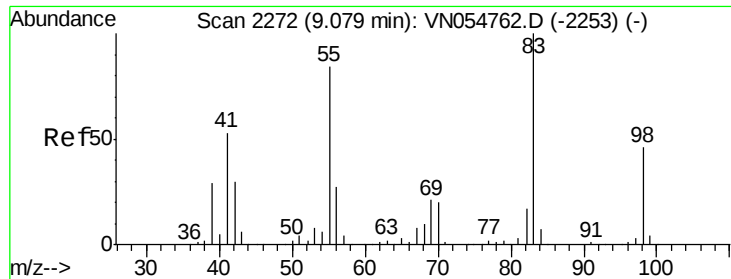


#38  
Carbon Tetrachloride  
Concen: 19.551 ug/l  
RT: 7.77 min Scan# 1865  
Delta R.T. -0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.7  | 76.3  | 114.5 |
| 121     | 30.3  | 24.6  | 36.8  |

Abundance Ion 116.80 (116.50 to 117.50): VN054920.D (-1773) (-)  
Ion 118.80 (118.50 to 119.50): VN054920.D (-1773) (-)  
Ion 120.80 (120.50 to 121.50): VN054920.D (-1773) (-)





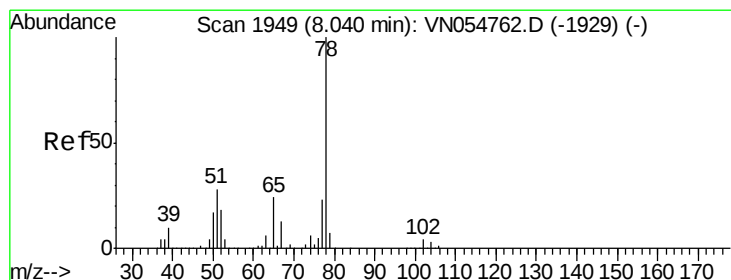
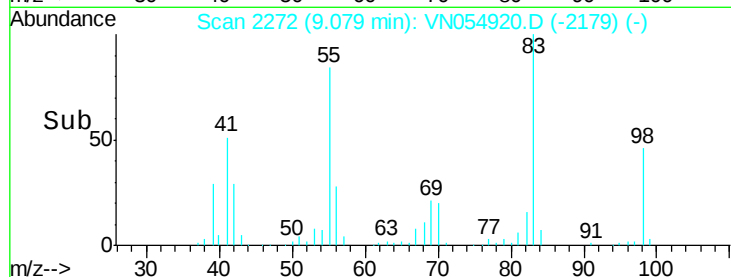
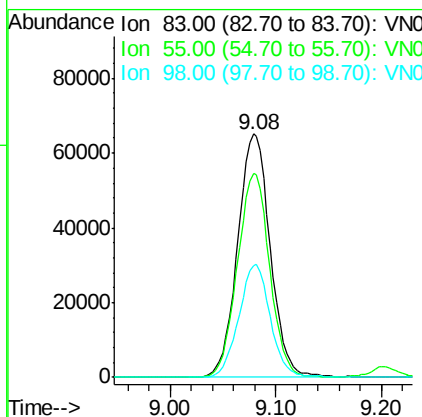
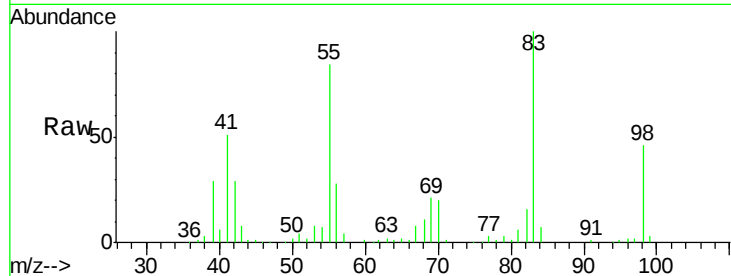
#39  
Methvlcvclohexane  
Concen: 20.022 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0403WBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 55      | 83.9  | 56.6 | 84.8  |       |
| 98      | 46.2  | 38.4 | 57.6  |       |

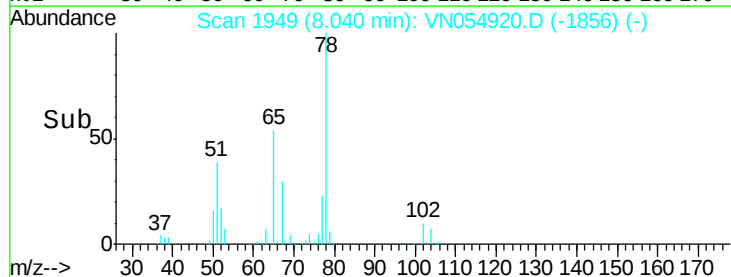
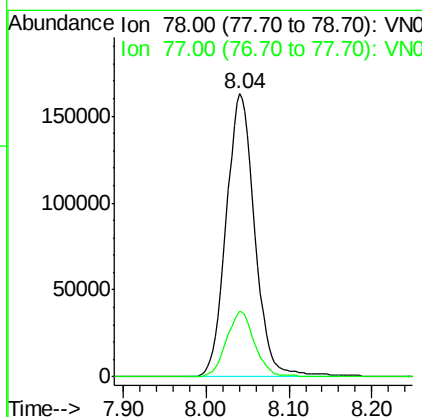
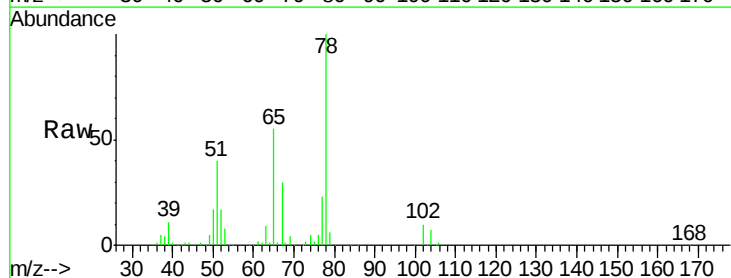
Manual Integrations  
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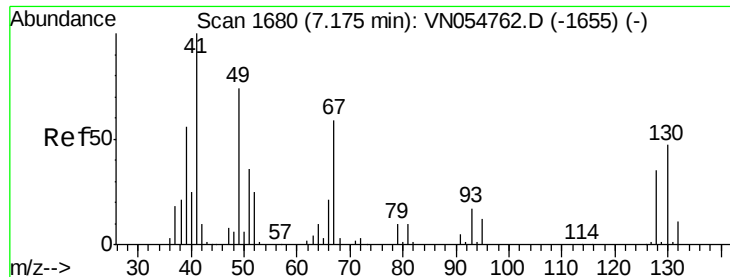
MMDadoda  
4/4/2019 9:31:08 AM



#40  
Benzene  
Concen: 21.533 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 78      | 100   |      |       |       |
| 77      | 23.1  | 19.1 | 28.7  |       |





#41

Methacrylonitrile

Concen: 20.081 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

Instrument :

MSVOA\_N

ClientSampleId :

VN0403WBS01

Tot Ion: 41 Resp: 52526

Ion Ratio Lower Upper

41 100

39 56.4 46.8 70.2

67 72.4 67.0 100.4

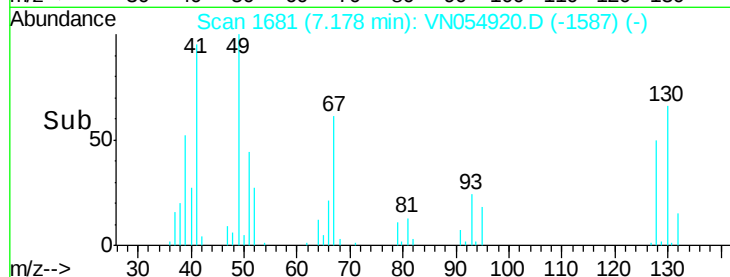
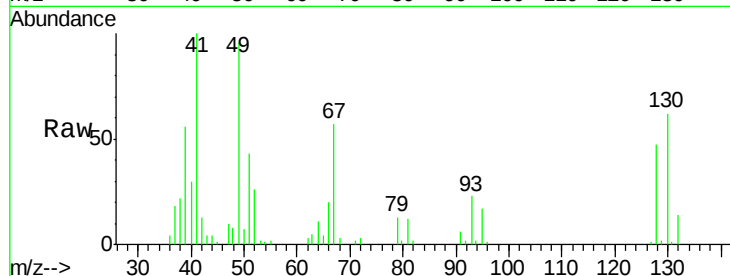
52 32.2 26.5 39.7

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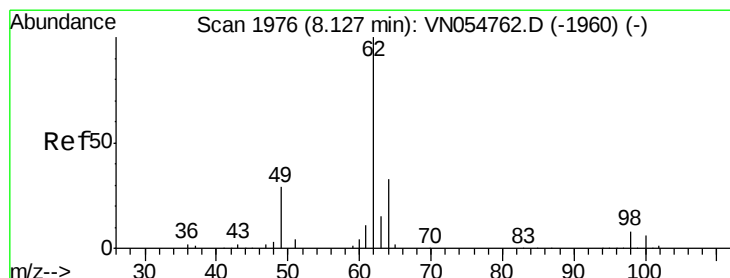
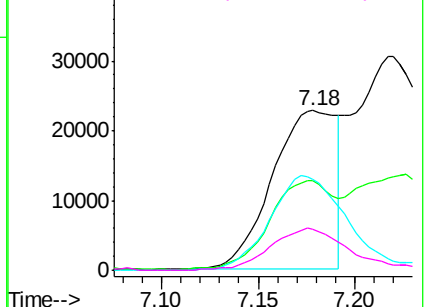


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 21.450 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN054920.D

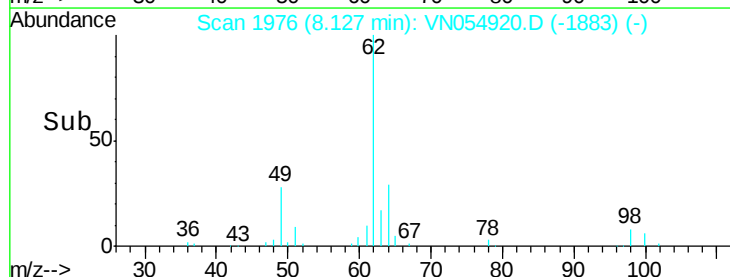
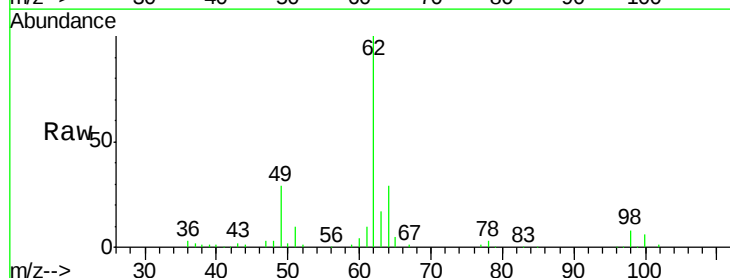
Acq: 3 Apr 2019 12:29

Tgt Ion: 62 Resp: 139153

Ion Ratio Lower Upper

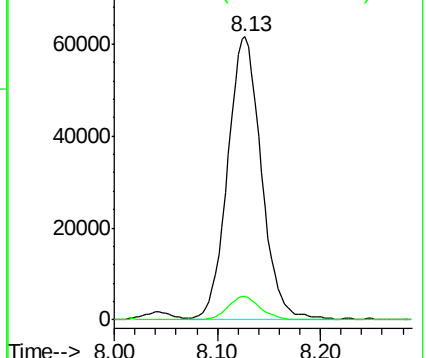
62 100

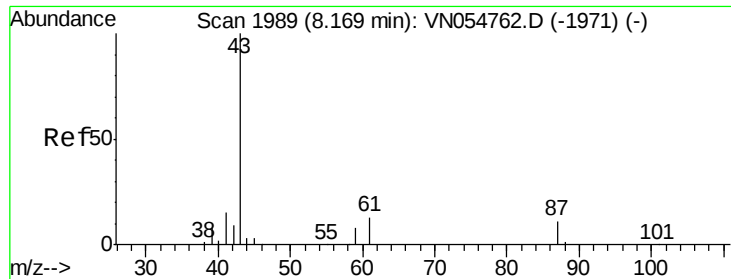
98 8.1 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





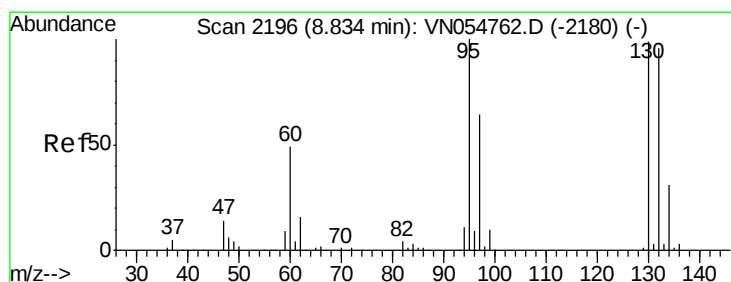
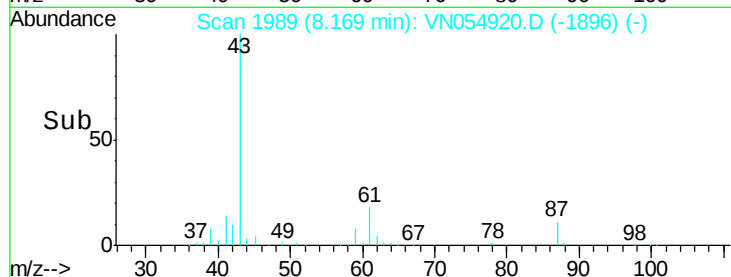
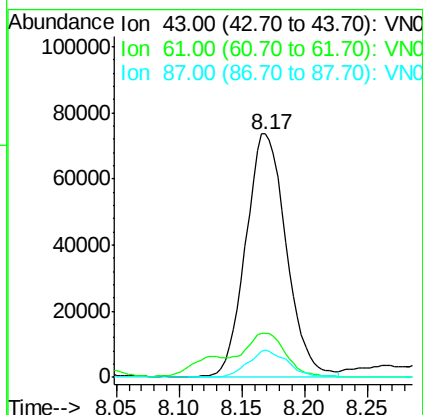
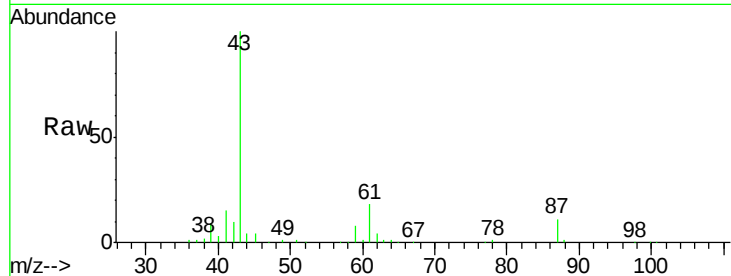
#43  
Isopropyl Acetate  
Concen: 21.822 ug/l  
RT: 8.17 min Scan# 1989  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0403WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 17.2  | 15.8  | 23.8  |
| 87      | 11.0  | 12.0  | 18.0  |

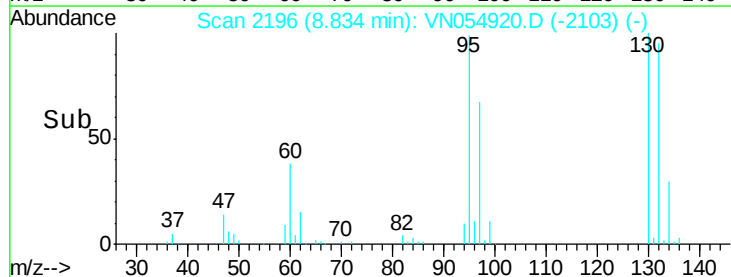
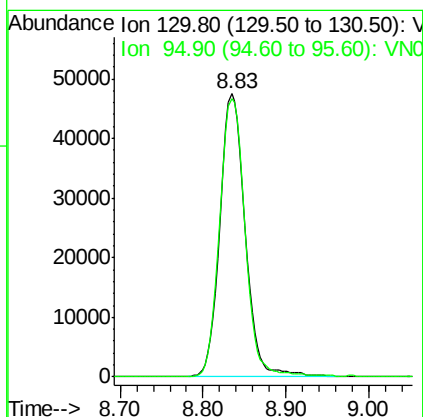
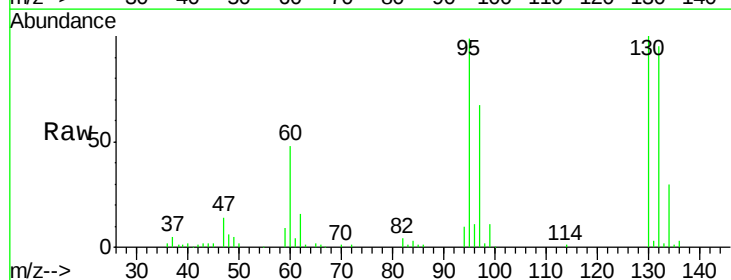
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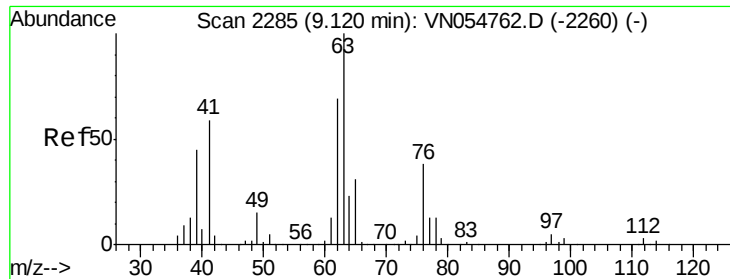
MMDadoda  
4/4/2019 9:31:08 AM



#44  
Trichloroethene  
Concen: 21.281 ug/l  
RT: 8.83 min Scan# 2196  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 98.5  | 0.0   | 185.2 |





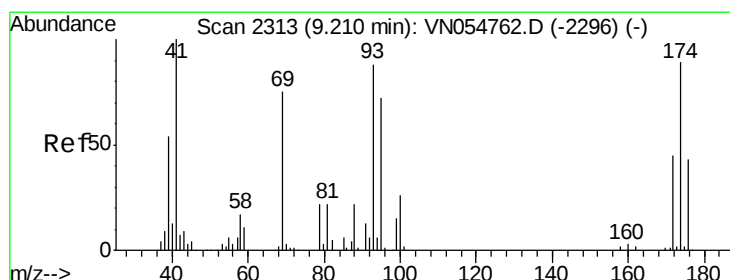
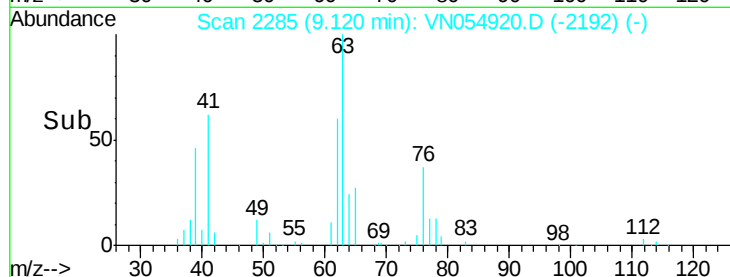
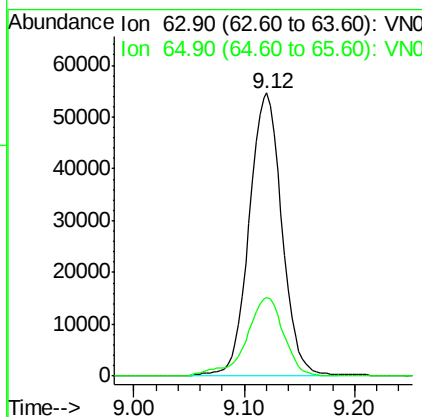
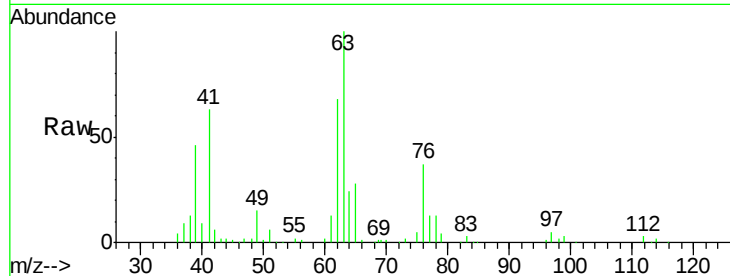
#45  
 1,2-Dichloropropane  
 Concen: 21.700 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0403WBS01

Tot Ion: 63 Resp: 112420  
 Ion Ratio Lower Upper  
 63 100  
 65 27.7 25.0 37.6

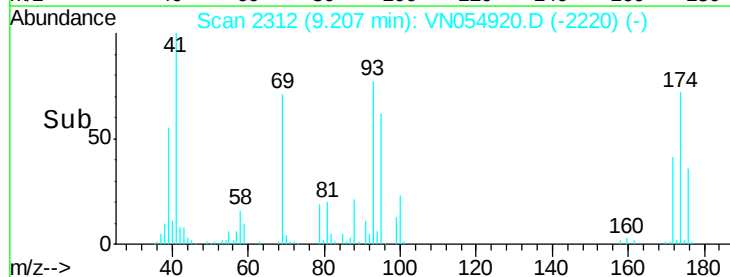
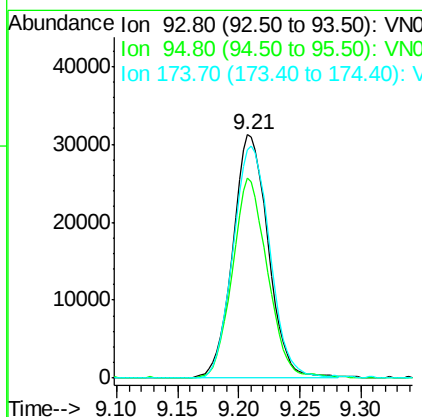
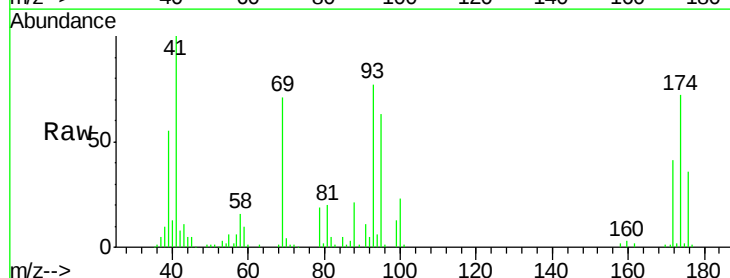
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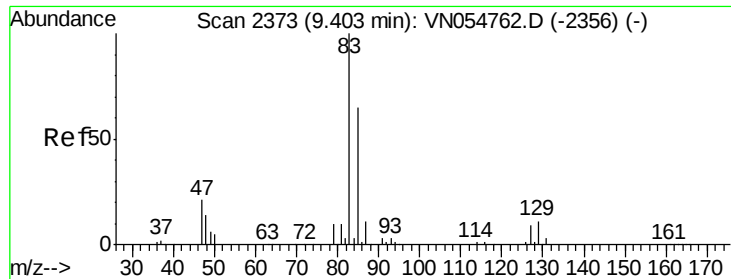
MMDadoda  
 4/4/2019 9:31:08 AM



#46  
 Dibromomethane  
 Concen: 21.575 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. -0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

Tgt Ion: 93 Resp: 62876  
 Ion Ratio Lower Upper  
 93 100  
 95 81.5 66.7 100.1  
 174 99.1 98.5 147.7





#47

Bromodichloromethane

Concen: 21.420 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

Instrument :

MSVOA\_N

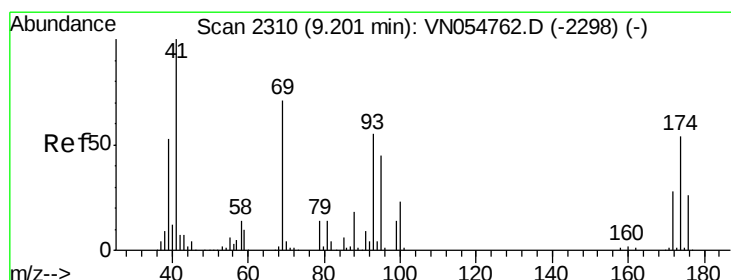
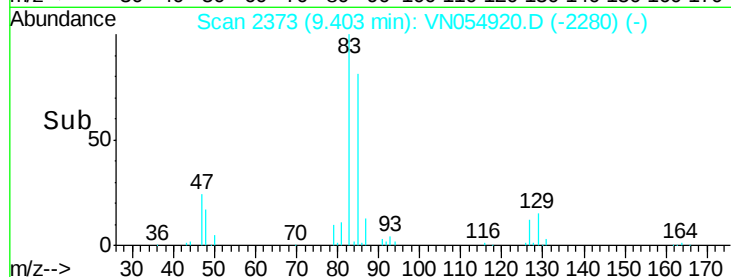
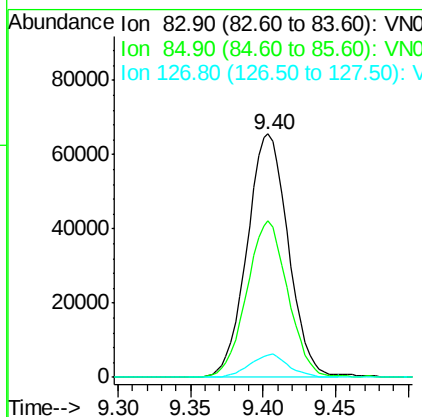
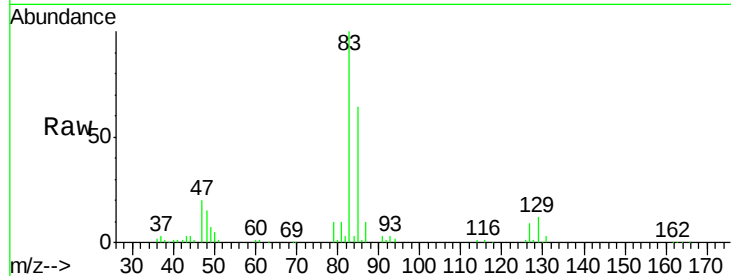
ClientSampleId :

VN0403WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 129738 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.1  | 52.8  | 79.2   |
| 127      | 9.1   | 7.4   | 11.2   |

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#48

Methyl methacrylate

Concen: 20.276 ug/l

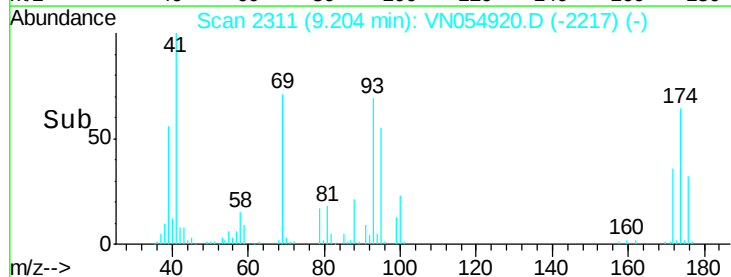
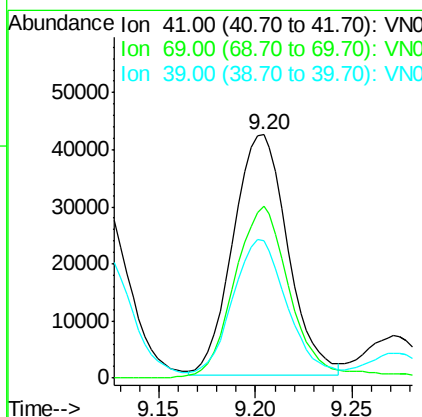
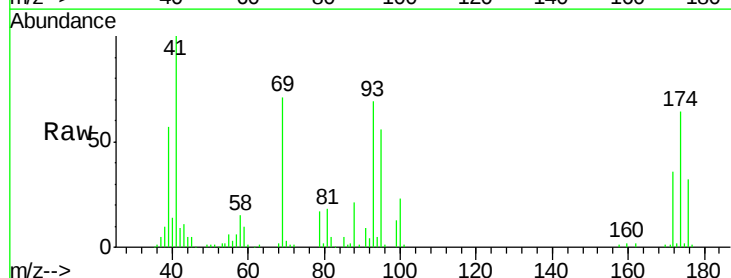
RT: 9.20 min Scan# 2311

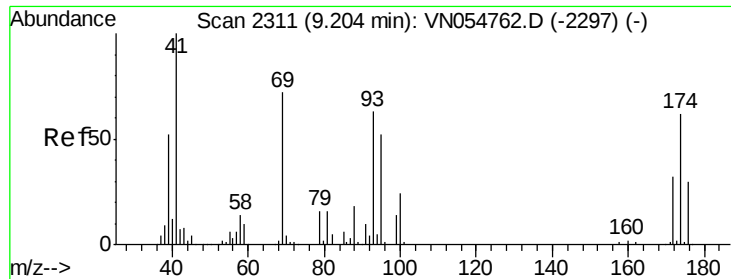
Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 83159 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 73.7  | 72.6  | 108.8 |
| 39       | 56.7  | 47.5  | 71.3  |





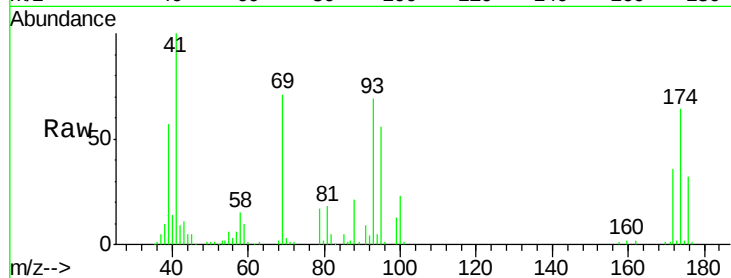
#49  
1,4-Dioxane  
Concen: 431.314 ug/l  
RT: 9.20 min Scan# 2311  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0403WBS01

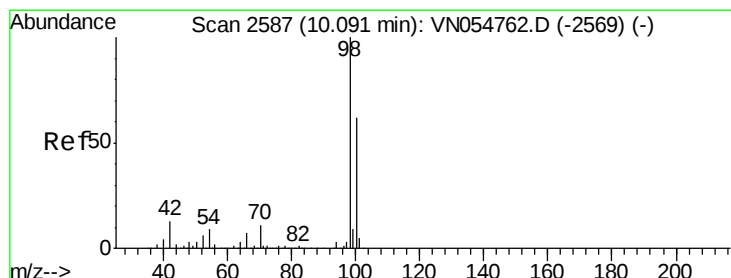
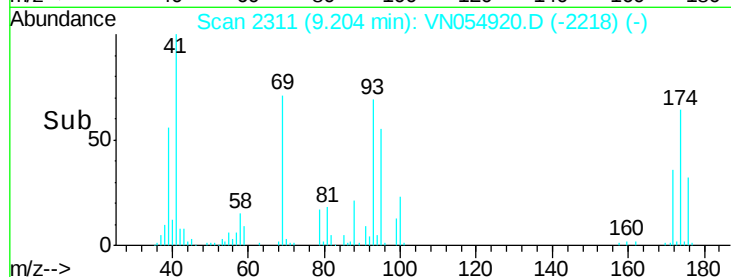
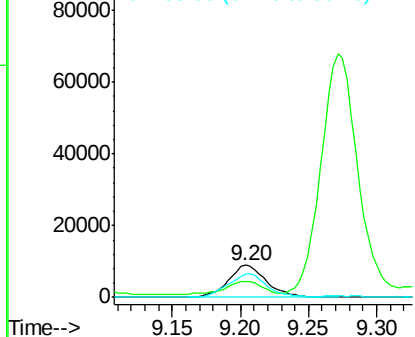
| Tot Ion | 88    | Resp  | 17552 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 38.7  | 24.1  | 36.1# |
| 58      | 75.6  | 50.8  | 76.2  |

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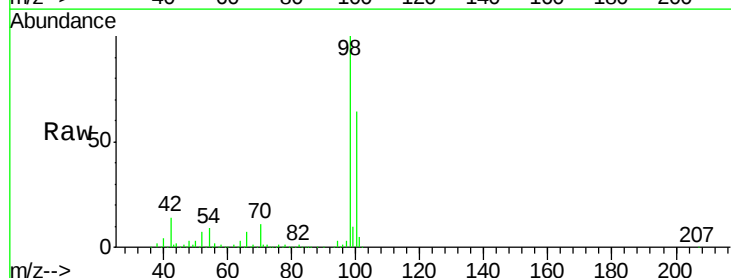


Abundance Ion 88.00 (87.70 to 88.70): VNC  
Ion 43.00 (42.70 to 43.70): VNC  
Ion 58.00 (57.70 to 58.70): VNC

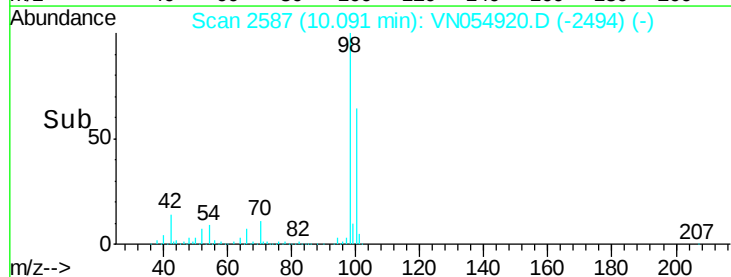
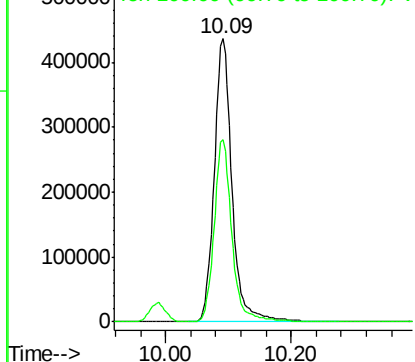


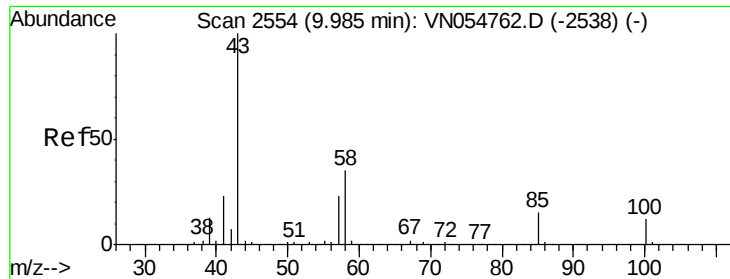
#50  
Toluene-d8  
Concen: 50.917 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

| Tgt Ion | 98    | Resp  | 860004 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 63.7  | 51.2  | 76.8   |



Abundance Ion 98.00 (97.70 to 98.70): VNC  
Ion 100.00 (99.70 to 100.70): VNC





#51

4-Methyl-2-Pentanone

Concen: 109.113 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

Instrument :

MSVOA\_N

ClientSampleId :

VN0403WBS01

Tot Ion: 43 Resp: 464144

Ion Ratio Lower Upper

43 100

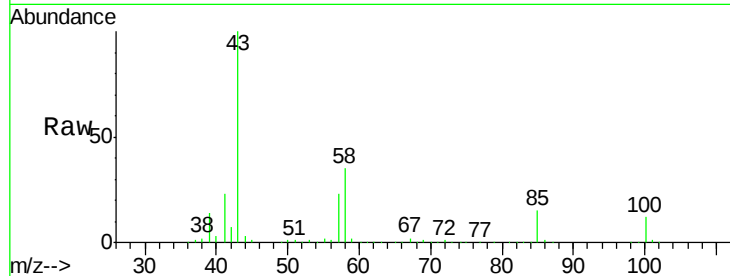
58 35.1 31.8 47.6

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

100000

50000

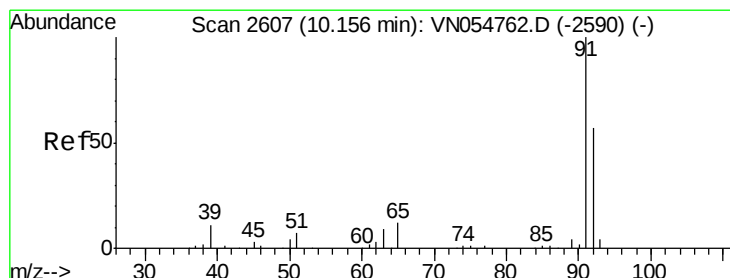
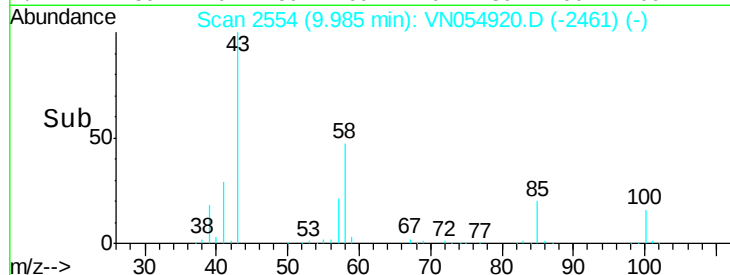
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 21.429 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054920.D

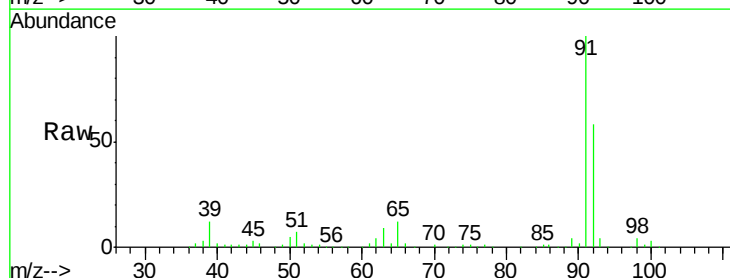
Acq: 3 Apr 2019 12:29

Tgt Ion: 92 Resp: 231674

Ion Ratio Lower Upper

92 100

91 175.8 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

200000

150000

100000

50000

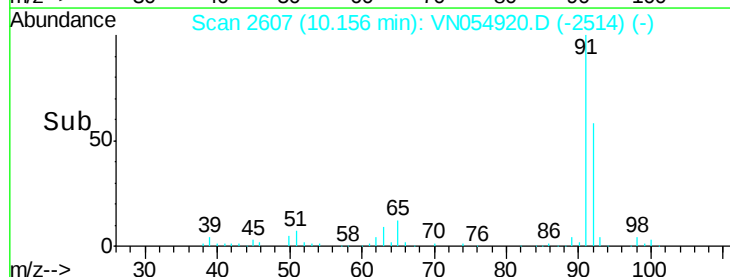
0

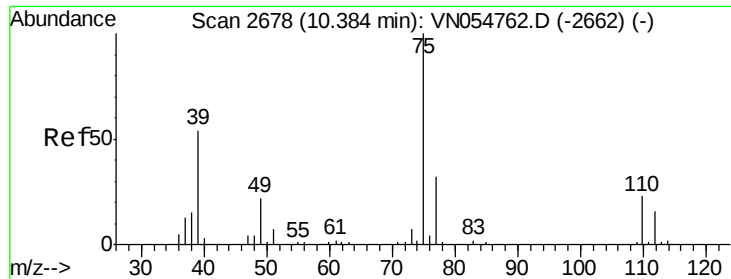
10.10

10.20

10.30

Time-->





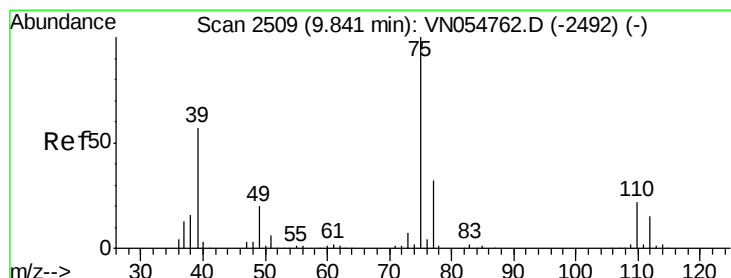
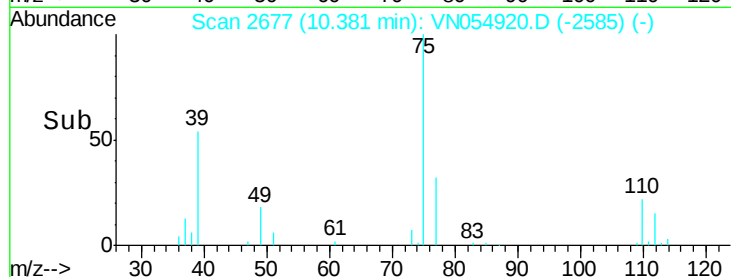
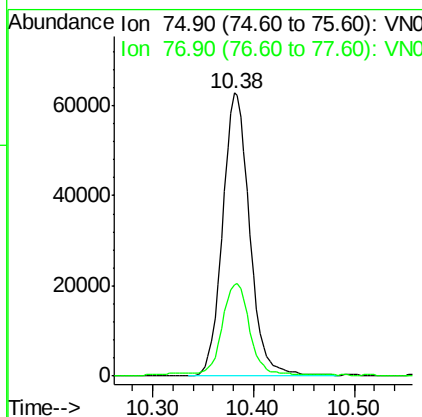
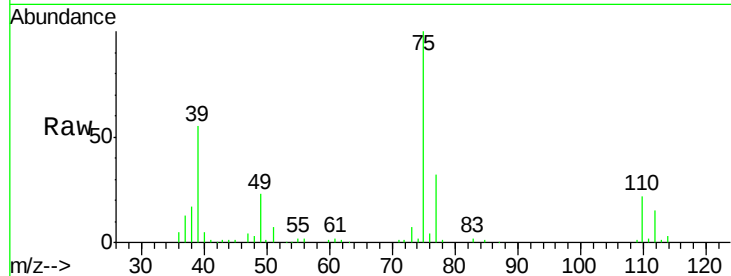
#53  
t-1,3-Dichloropropene  
Concen: 20.697 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. -0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0403WBS01

Tot Ion: 75 Resp: 117923  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.8 38.8

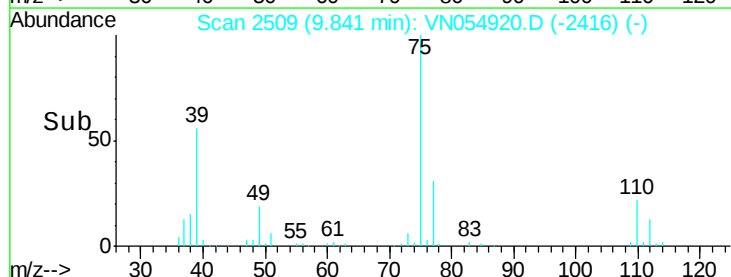
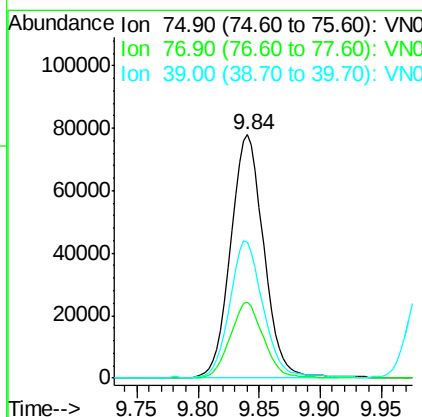
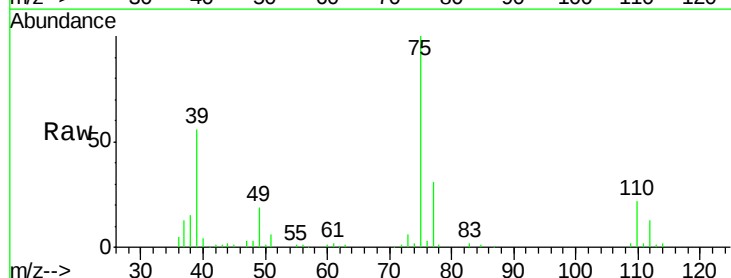
Manual Integrations  
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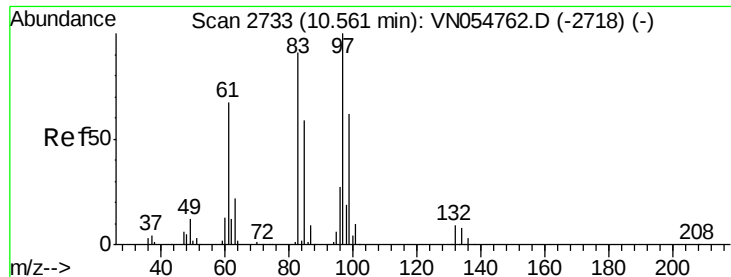
MMDadoda  
4/4/2019 9:31:08 AM



#54  
cis-1,3-Dichloropropene  
Concen: 21.669 ug/l  
RT: 9.84 min Scan# 2509  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Tgt Ion: 75 Resp: 147477  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.4 38.0  
39 55.6 37.2 55.8





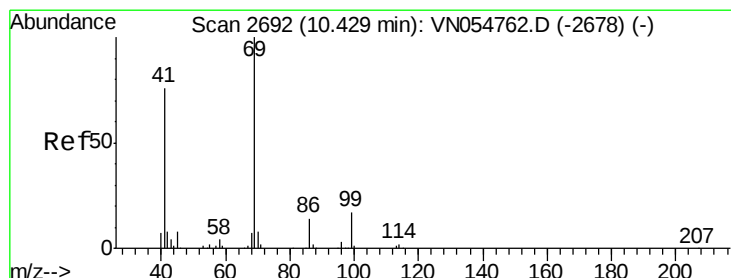
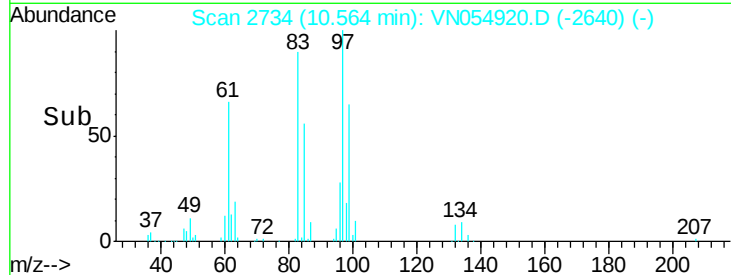
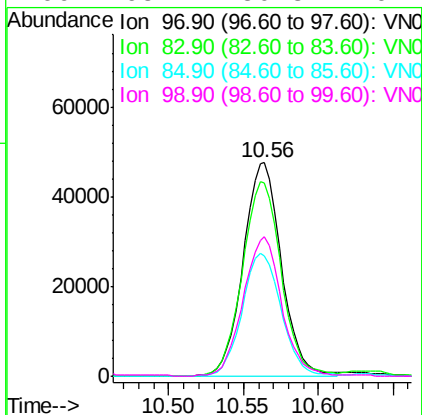
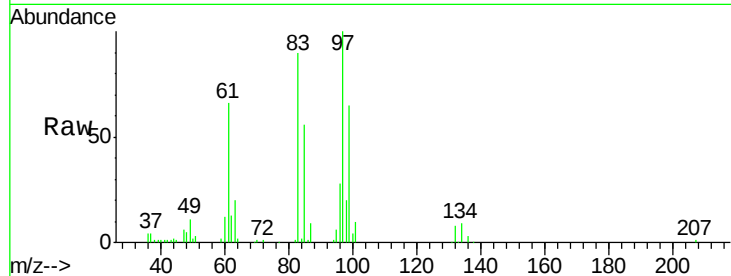
#55  
 1,1,2-Trichloroethane  
 Concen: 21.041 ug/l  
 RT: 10.56 min Scan# 2734  
 Delta R.T. 0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0403WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 84586 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 90.5  | 66.6  | 100.0 |
| 85       | 56.4  | 44.4  | 66.6  |
| 99       | 65.2  | 50.8  | 76.2  |

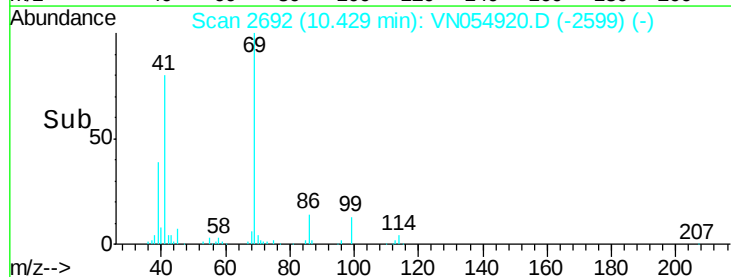
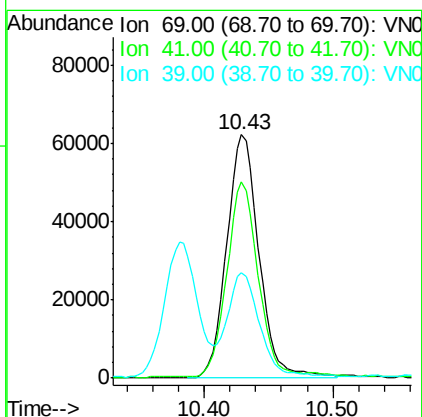
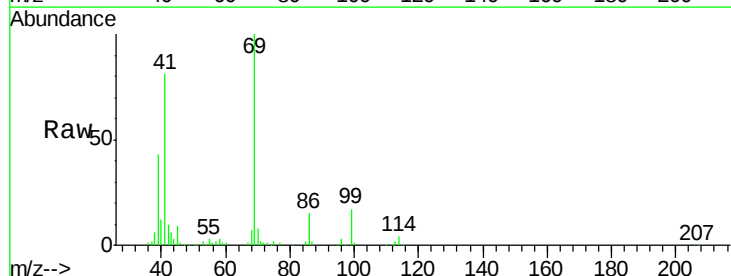
Manual Integrations  
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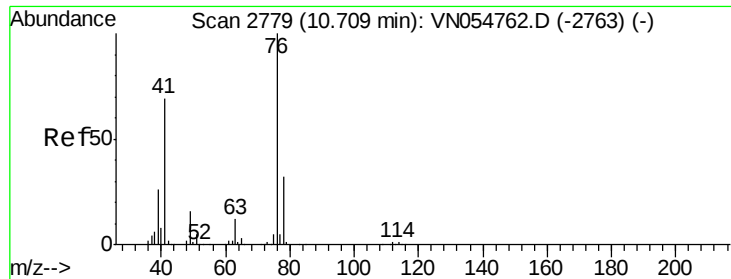
MMDadoda  
 4/4/2019 9:31:08 AM



#56  
 Ethyl methacrylate  
 Concen: 20.545 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 108340 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 77.5  | 49.4  | 74.2#  |
| 39       | 42.0  | 28.3  | 42.5   |





#57

1,3-Dichloropropane

Concen: 21.786 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

Instrument :

MSVOA\_N

ClientSampleId :

VN0403WBS01

Tot Ion: 76 Resp: 150568

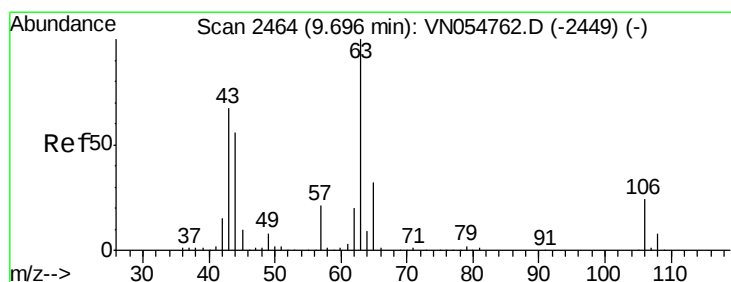
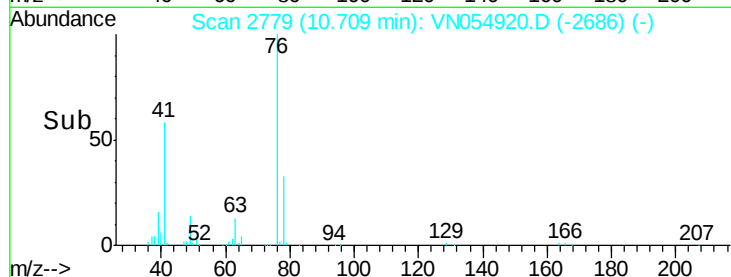
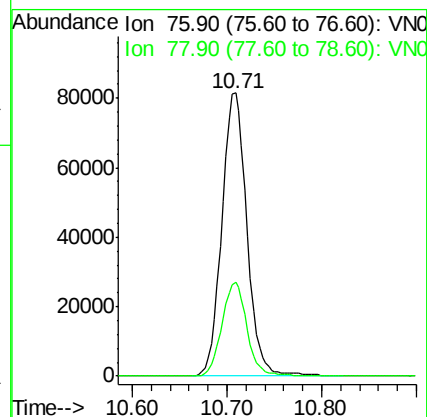
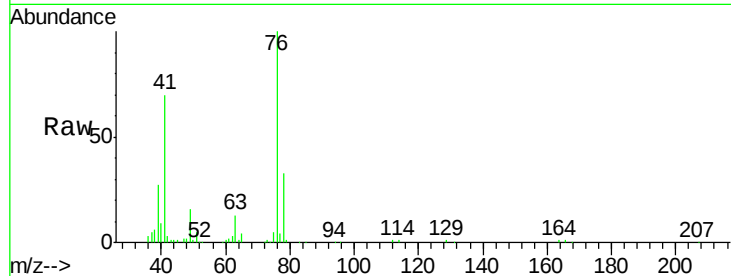
Ion Ratio Lower Upper

76 100

78 33.1 25.7 38.5

Manual Integrations  
APPROVED

MMDadoda  
4/4/2019 9:31:08 AM



#58

2-Chloroethyl Vinyl ether

Concen: 107.932 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054920.D

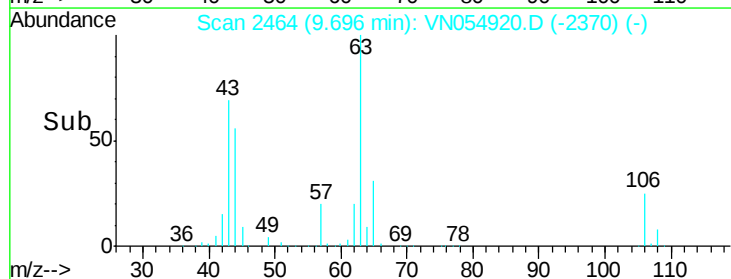
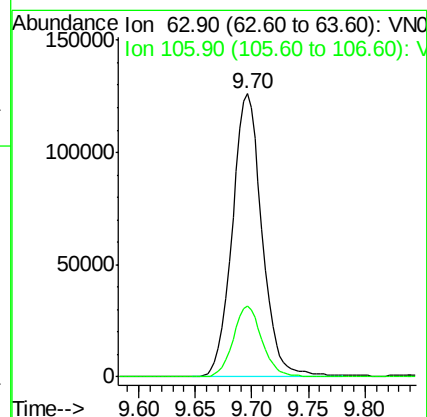
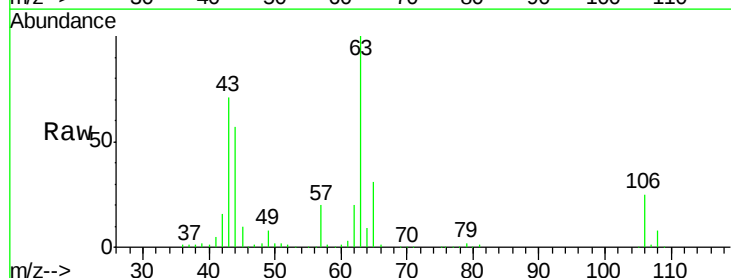
Acq: 3 Apr 2019 12:29

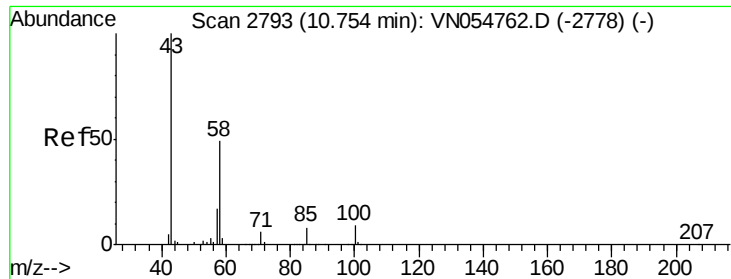
Tgt Ion: 63 Resp: 231232

Ion Ratio Lower Upper

63 100

106 24.3 24.4 36.6#





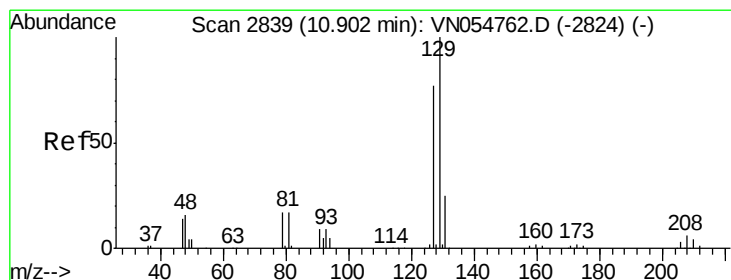
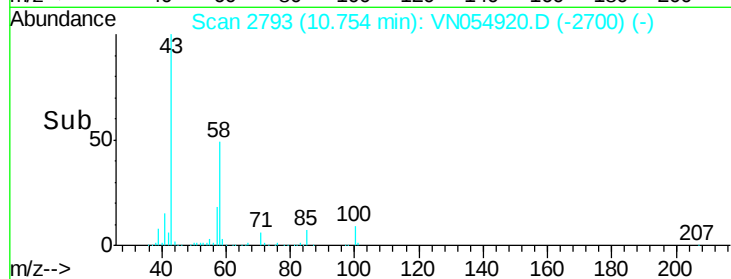
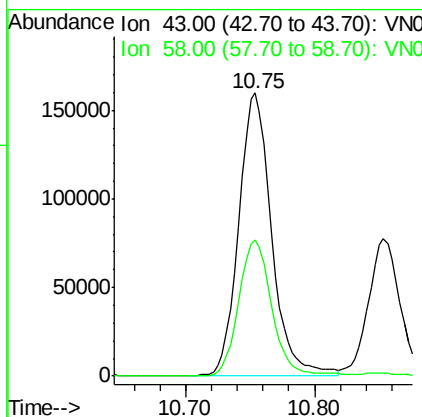
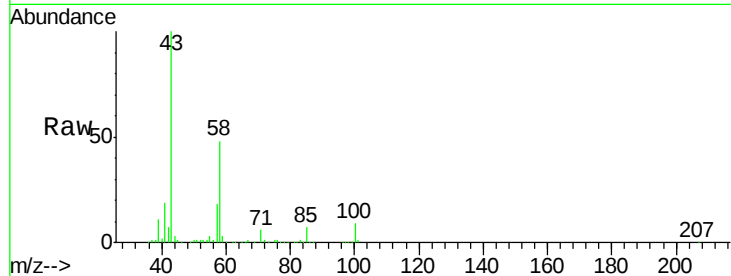
#59  
2-Hexanone  
Concen: 103.535 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0403WBS01

| Tot Ion   | 43 | Resp | 281937 |
|-----------|----|------|--------|
| Ion Ratio | 43 | 100  |        |
| Lower     | 58 | 49.1 | 28.0   |
| Upper     |    |      | 83.9   |

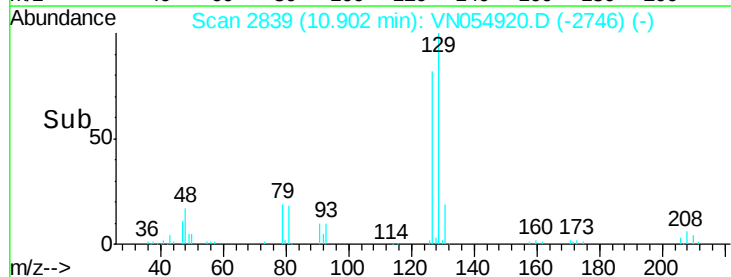
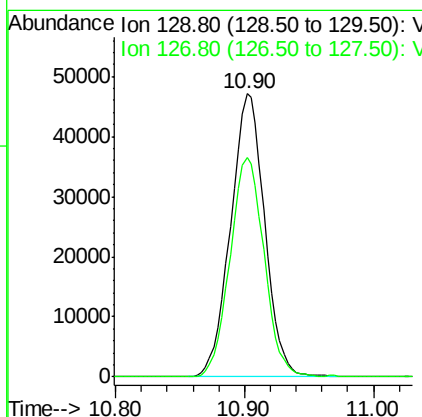
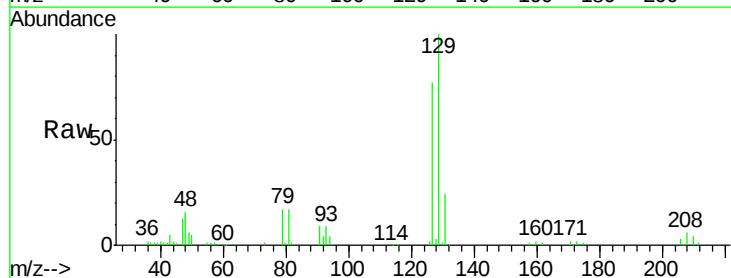
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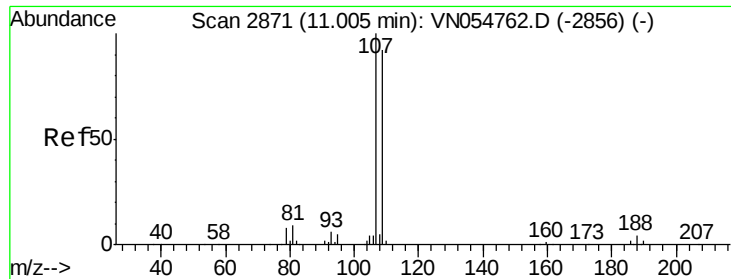
MMDadoda  
4/4/2019 9:31:08 AM



#60  
Dibromochloromethane  
Concen: 21.221 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

| Tgt Ion   | 129 | Resp | 86417 |
|-----------|-----|------|-------|
| Ion Ratio | 129 | 100  |       |
| Lower     | 127 | 77.6 | 38.6  |
| Upper     |     |      | 115.8 |





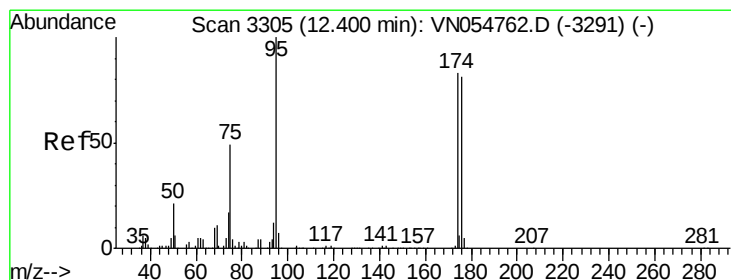
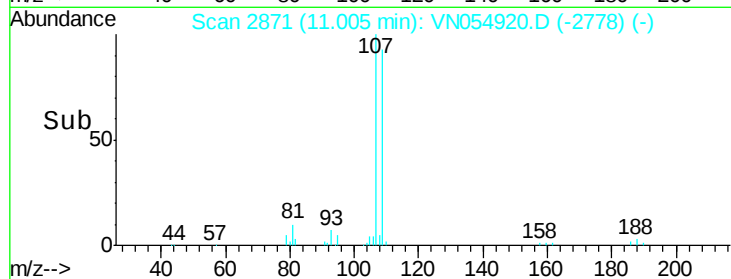
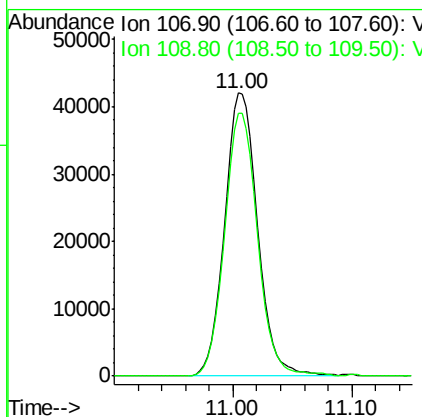
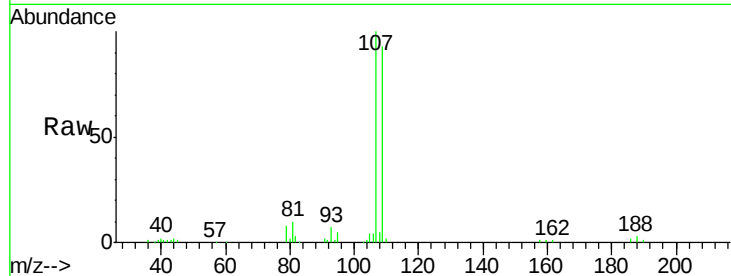
#61  
 1,2-Dibromoethane  
 Concen: 21.032 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. 0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0403WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.1  | 75.9  | 113.9 |

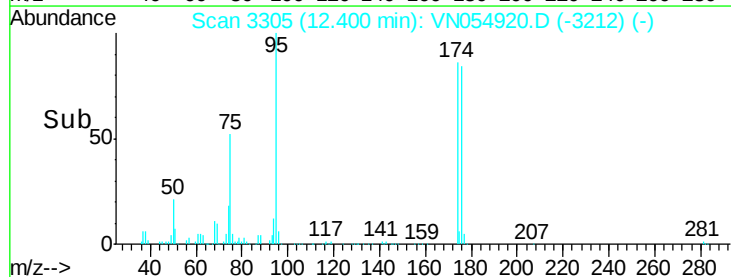
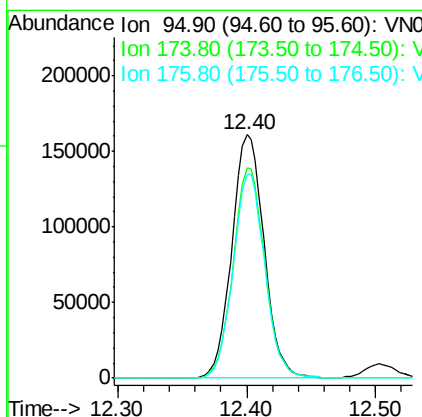
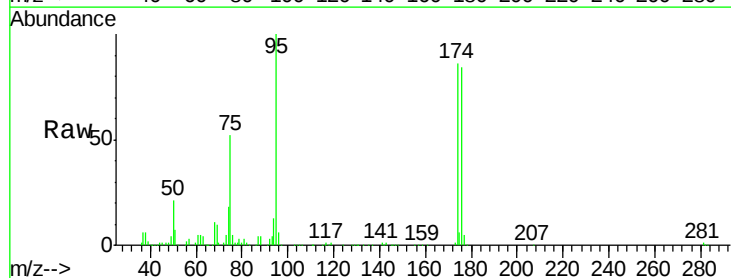
Manual Integrations  
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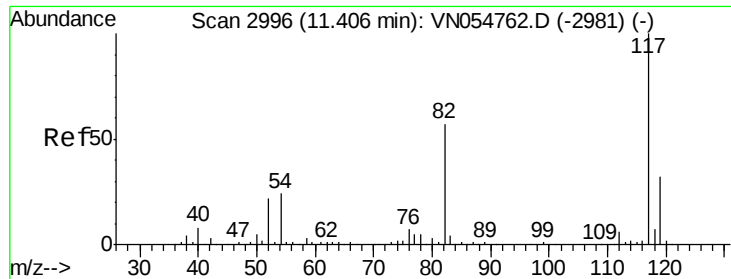
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 4/4/2019 9:31:08 AM



#62  
 4-Bromofluorobenzene  
 Concen: 49.852 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 85.2  | 0.0   | 191.0 |
| 176     | 82.4  | 0.0   | 187.4 |





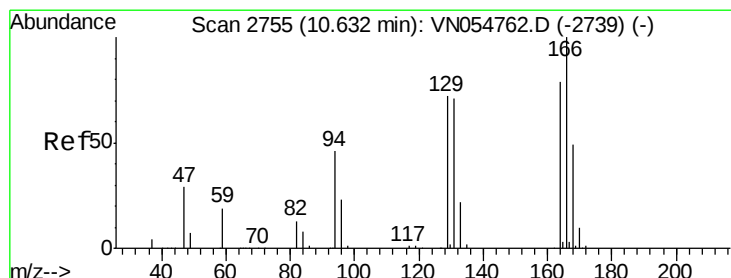
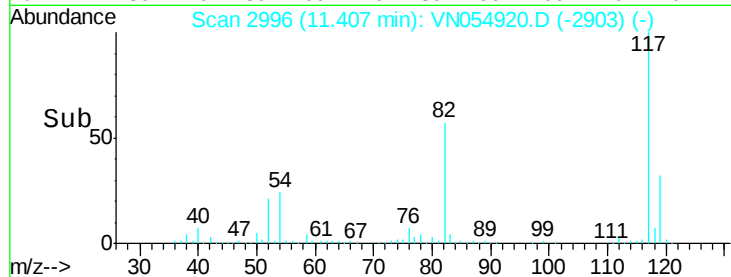
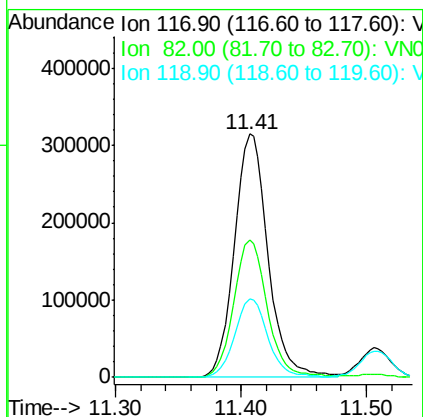
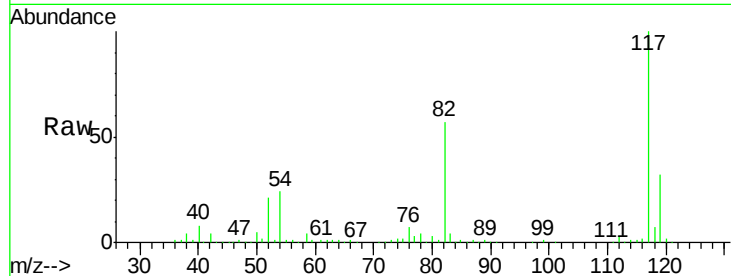
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0403WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.7  | 40.0  | 60.0  |
| 119     | 32.2  | 25.8  | 38.6  |

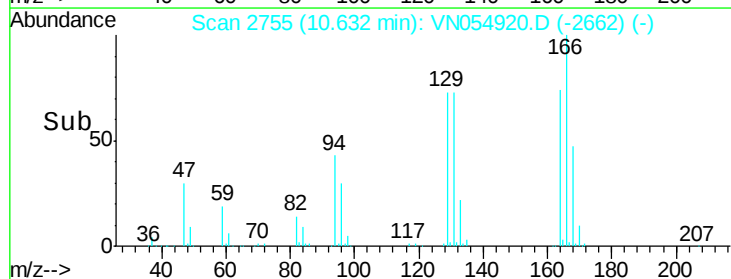
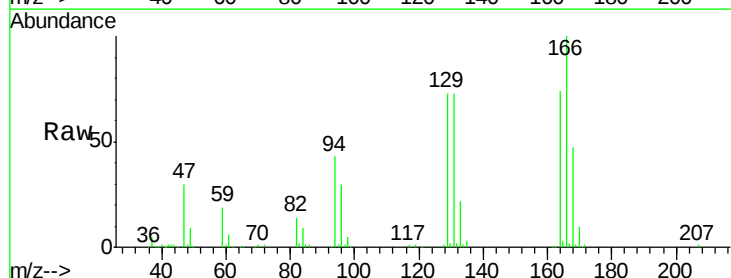
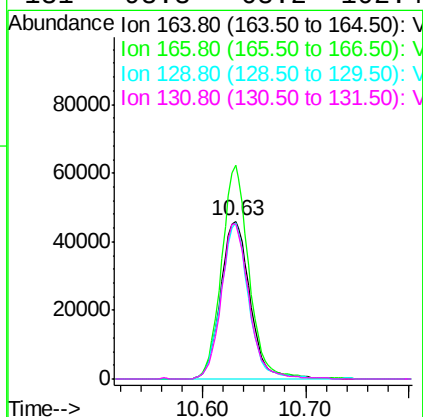
Manual Integrations  
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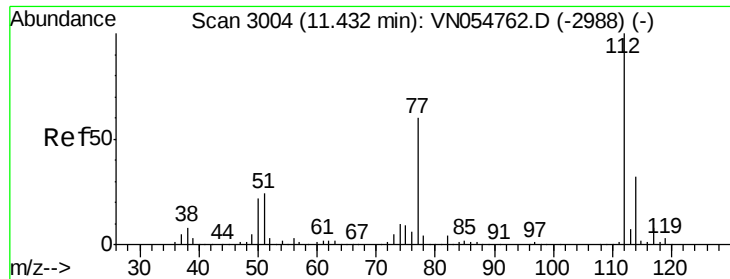
MMDadoda  
4/4/2019 9:31:08 AM



#64  
Tetrachloroethene  
Concen: 20.346 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 135.4 | 103.9 | 155.9 |
| 129     | 99.0  | 71.1  | 106.7 |
| 131     | 98.3  | 68.2  | 102.4 |





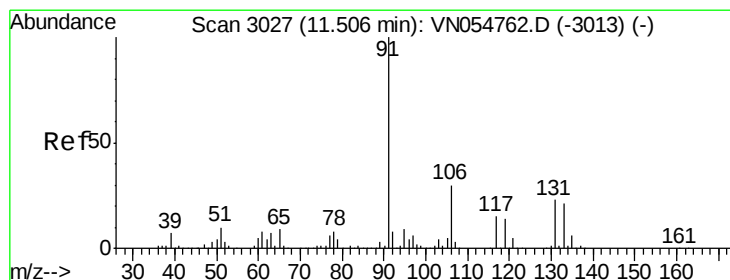
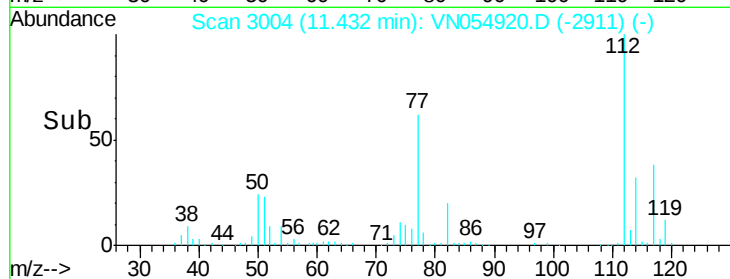
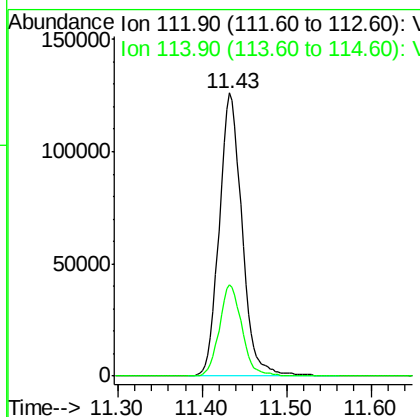
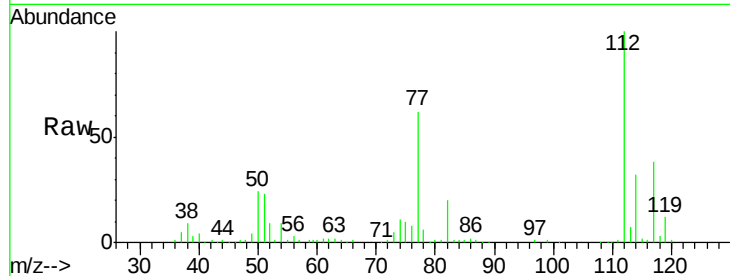
#65  
Chlorobenzene  
Concen: 20.608 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0403WBS01

Tot Ion:112 Resp: 236651  
Ion Ratio Lower Upper  
112 100  
114 32.5 25.9 38.9

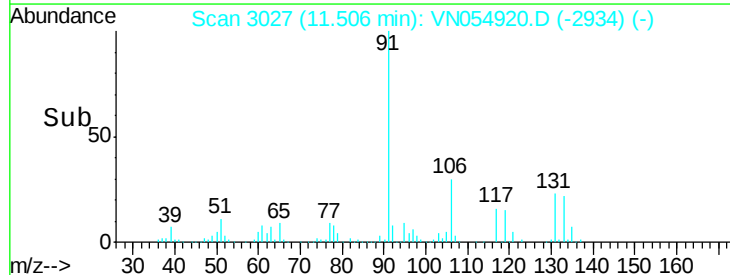
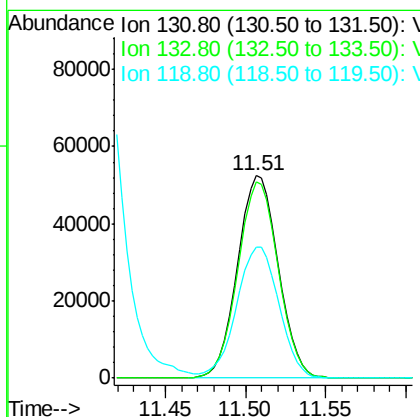
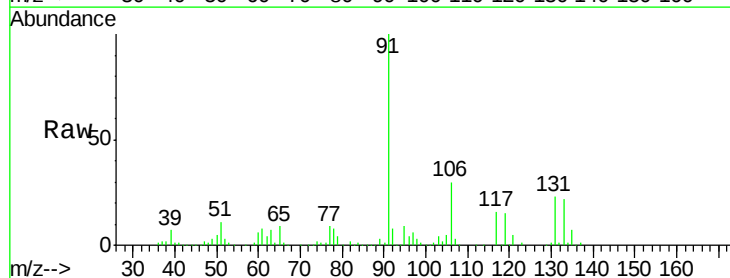
Manual Integrations  
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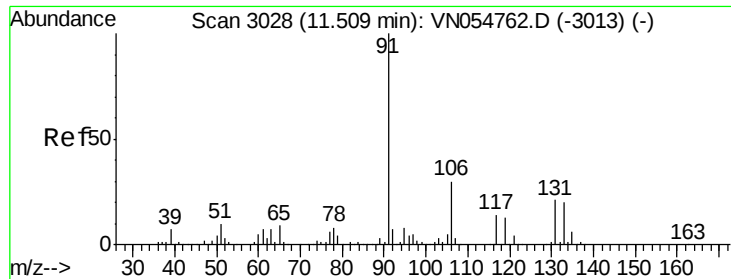
MMDadoda  
4/4/2019 9:31:08 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.194 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Tgt Ion:131 Resp: 91095  
Ion Ratio Lower Upper  
131 100  
133 96.4 47.6 142.9  
119 67.7 32.4 97.0





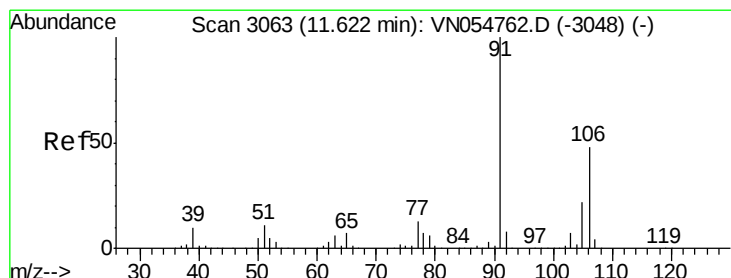
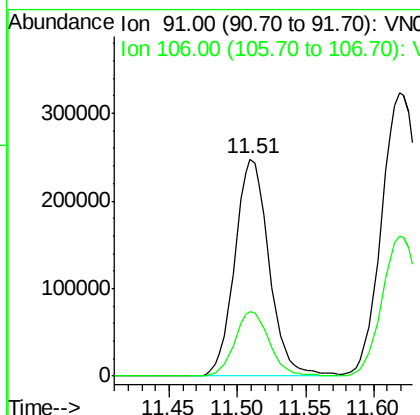
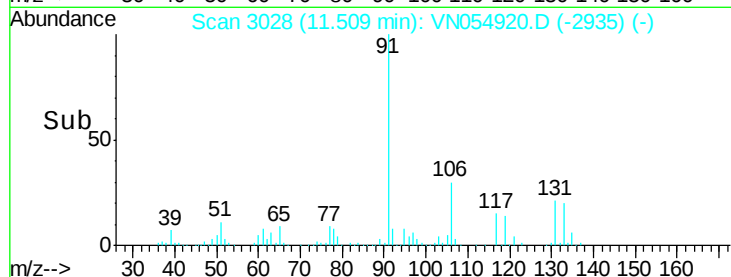
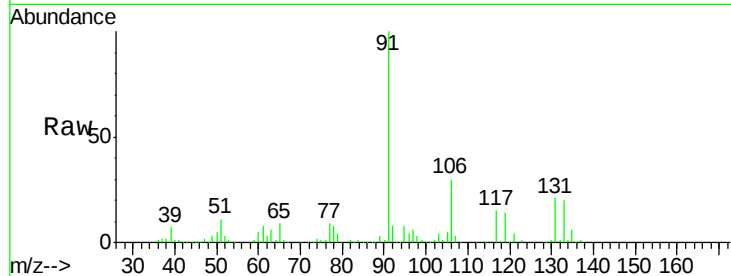
#67  
Ethyl Benzene  
Concen: 20.956 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0403WBS01

Tot Ion: 91 Resp: 434244  
Ion Ratio Lower Upper  
91 100  
106 29.8 25.5 38.3

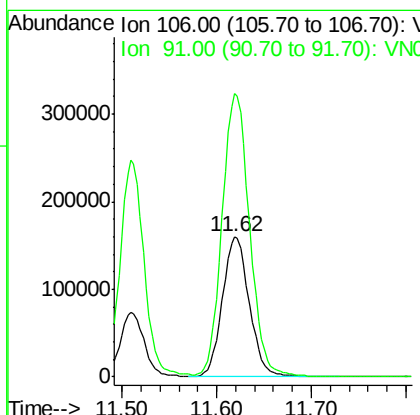
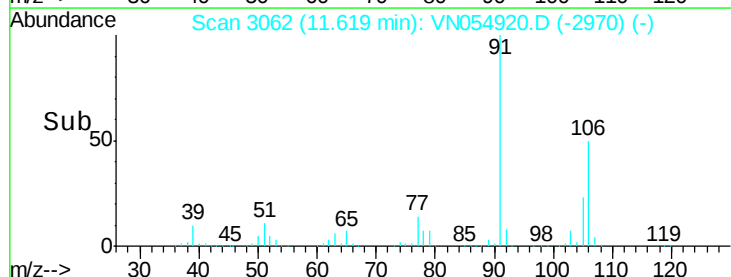
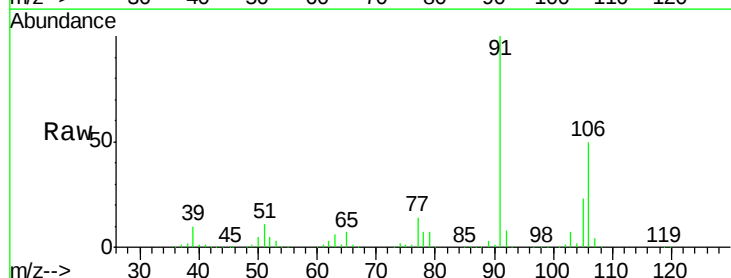
Manual Integrations  
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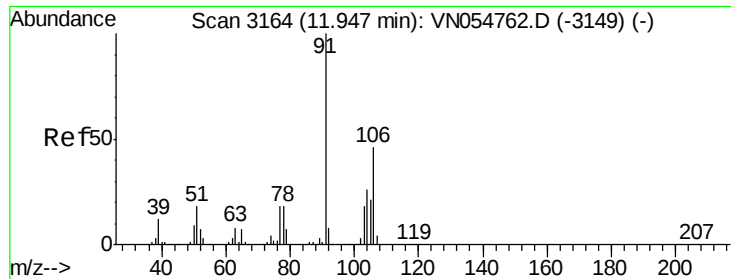
MMDadoda  
4/4/2019 9:31:08 AM



#68  
m/p-Xylenes  
Concen: 41.269 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Tgt Ion: 106 Resp: 316471  
Ion Ratio Lower Upper  
106 100  
91 207.0 159.4 239.2





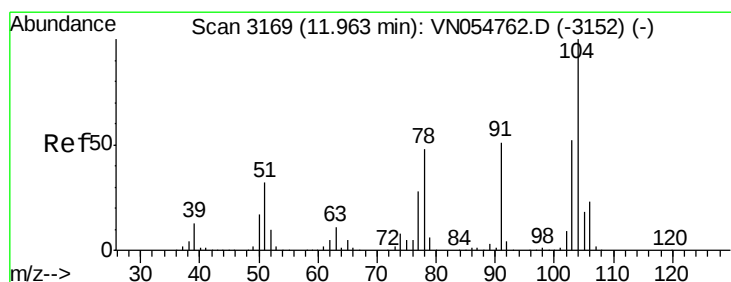
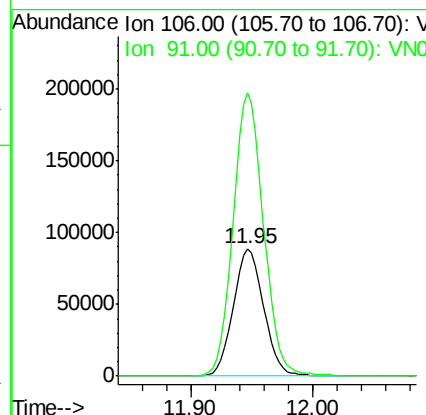
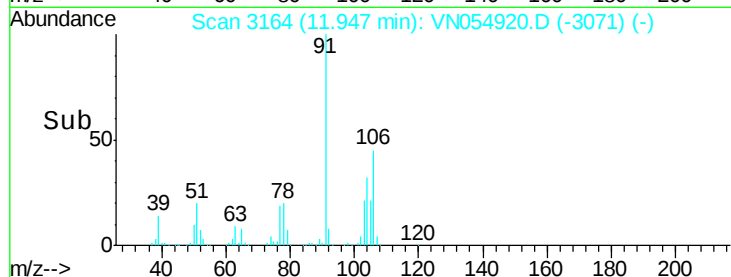
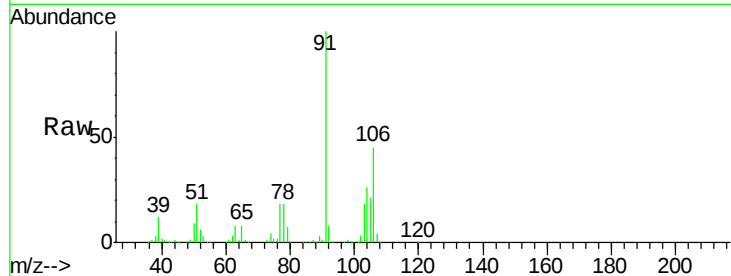
#69  
o-Xylene  
Concen: 20.486 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0403WBS01

Tot Ion:106 Resp: 154047  
Ion Ratio Lower Upper  
106 100  
91 222.7 105.7 317.1

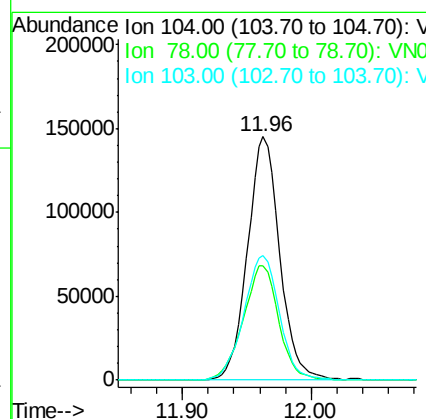
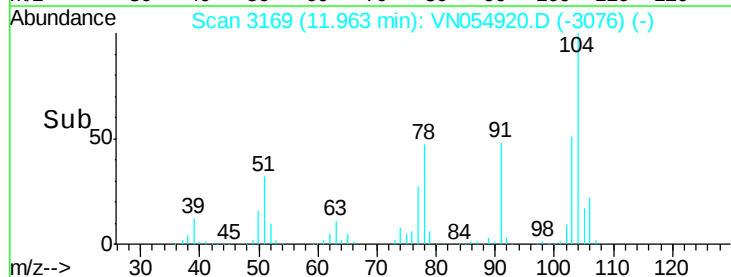
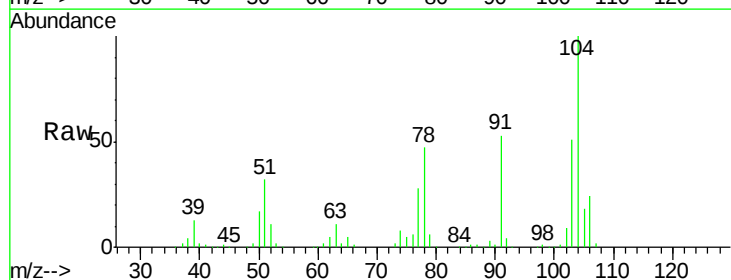
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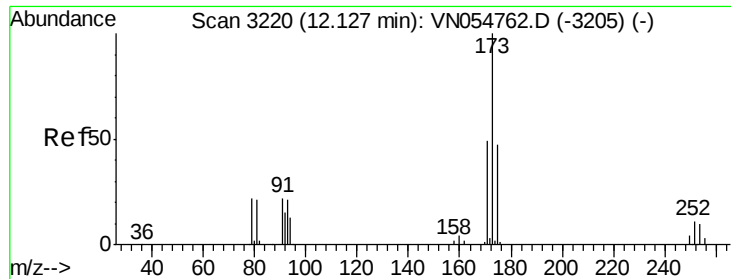
MMDadoda  
4/4/2019 9:31:08 AM



#70  
Styrene  
Concen: 21.032 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Tgt Ion:104 Resp: 252878  
Ion Ratio Lower Upper  
104 100  
78 52.2 38.2 57.2  
103 56.6 44.4 66.6





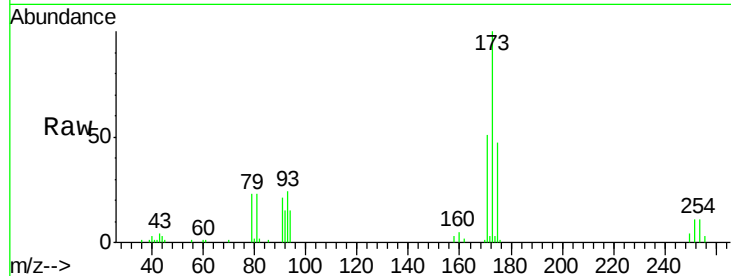
#71  
Bromoform  
Concen: 19.960 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0403WBS01

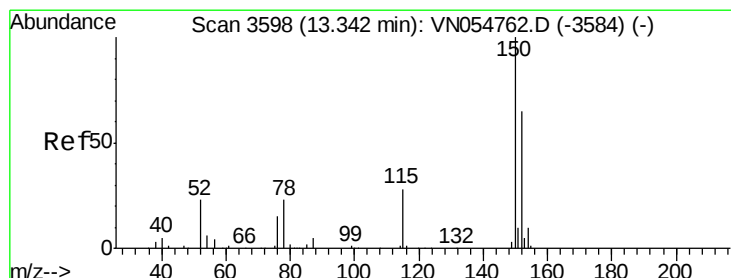
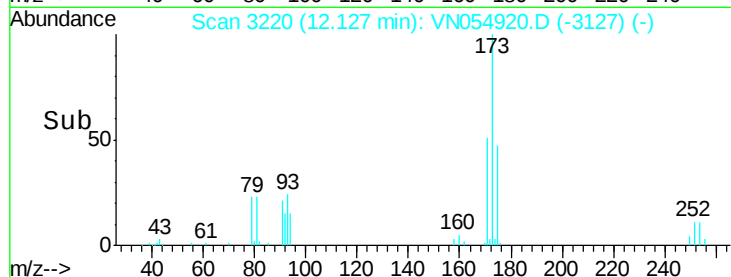
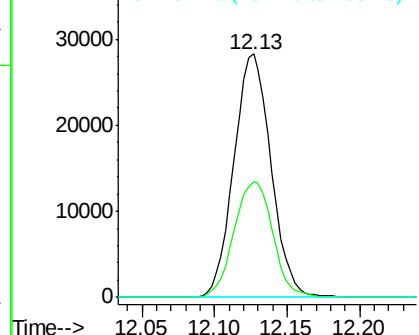
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.3  | 24.4  | 73.2  |
| 254     | 0.0   | 0.1   | 0.1#  |

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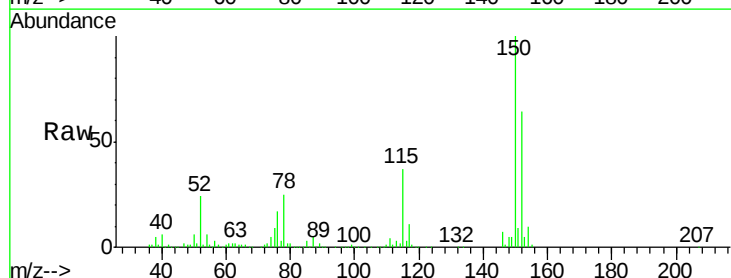


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

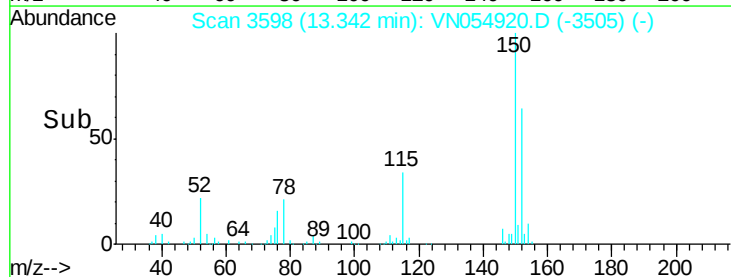
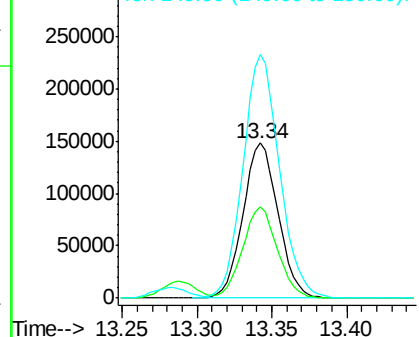


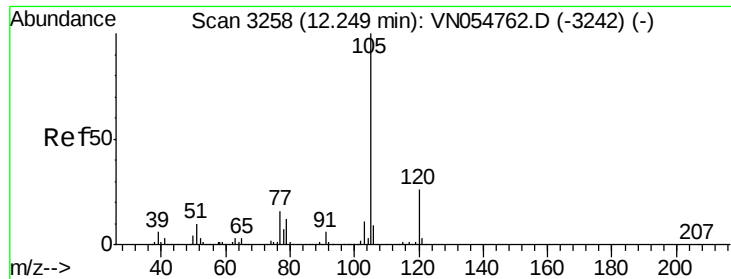
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.6  | 27.2  | 81.6  |
| 150     | 163.6 | 0.0   | 349.2 |



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





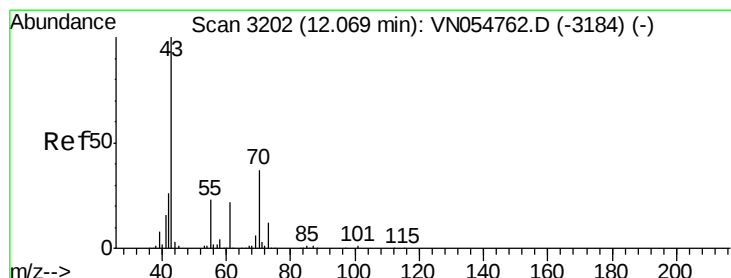
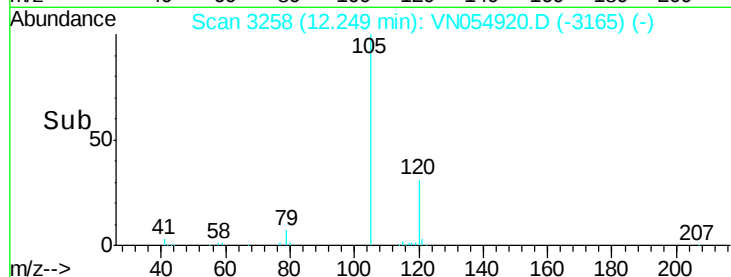
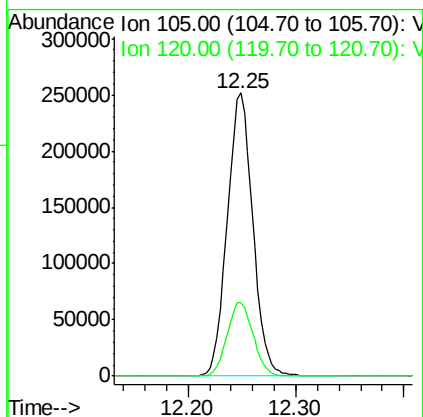
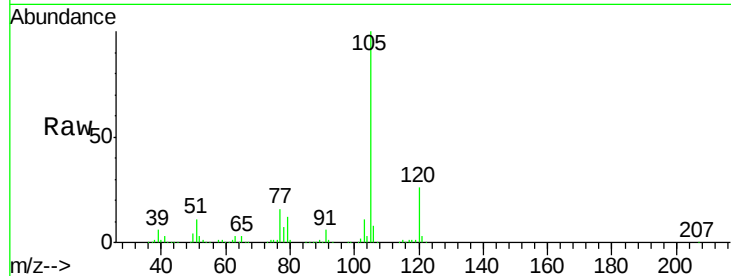
#73  
Isopropylbenzene  
Concen: 21.080 ug/l  
RT: 12.25 min Scan# 3258  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0403WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 416280 |       |       |
| 120     | 26.6  | 13.8   | 41.3  |       |

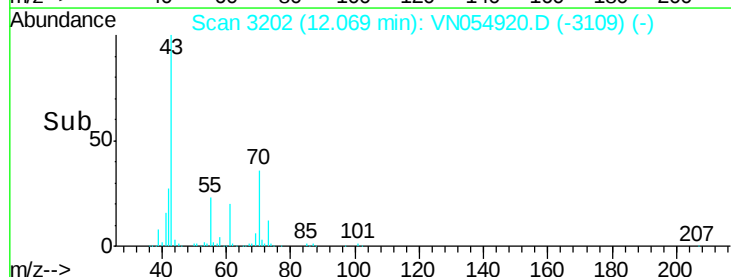
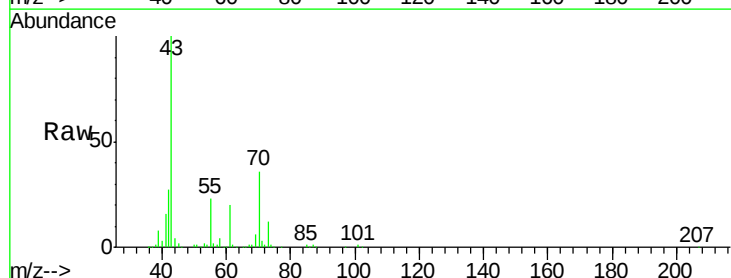
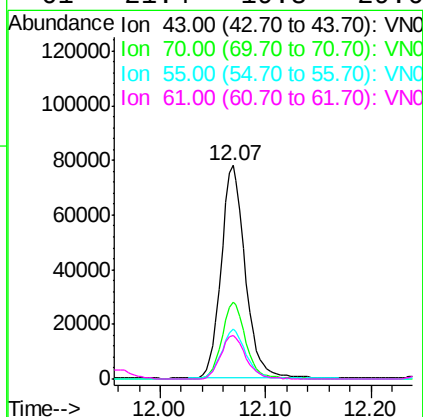
Manual Integrations  
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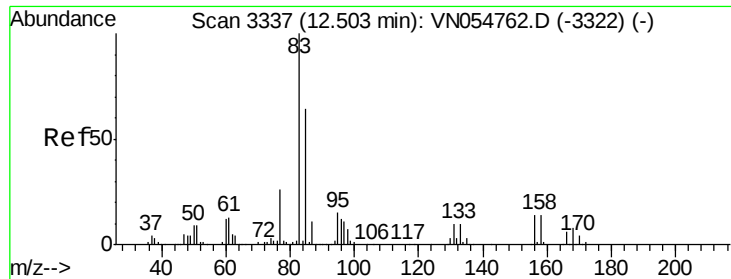
MMDadoda  
4/4/2019 9:31:08 AM



#74  
N-ethyl acetate  
Concen: 20.009 ug/l  
RT: 12.07 min Scan# 3202  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 123099 |       |       |
| 70      | 35.6  | 35.4   | 53.0  |       |
| 55      | 23.8  | 19.8   | 29.6  |       |
| 61      | 21.4  | 19.8   | 29.6  |       |





#75

1,1,2,2-Tetrachloroethane

Concen: 22.992 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

Instrument :

MSVOA\_N

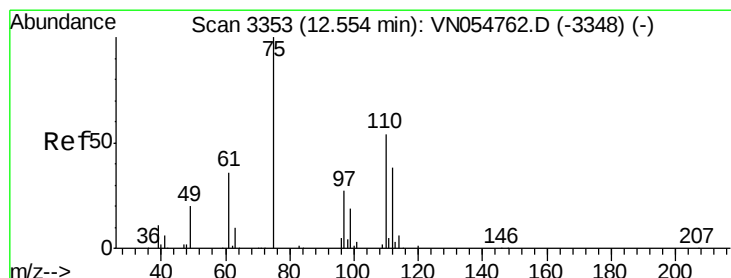
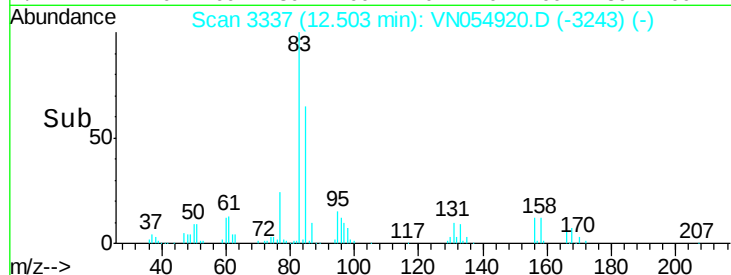
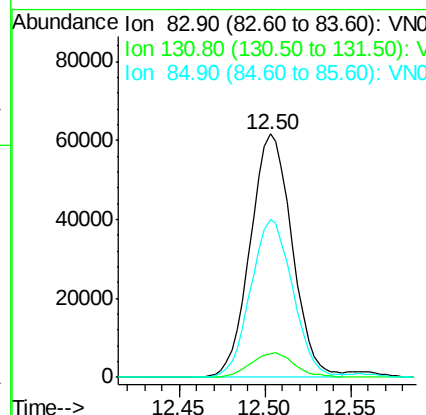
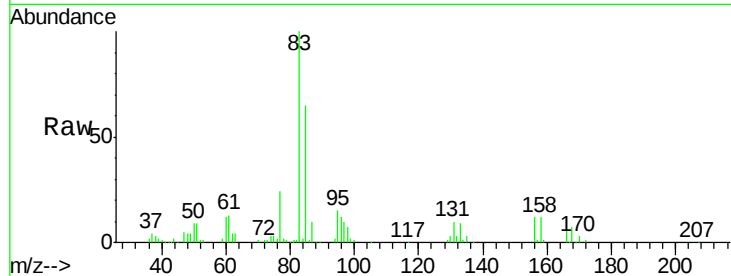
ClientSampleId :

VN0403WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 104117 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.5  | 5.8   | 17.4   |
| 85        | 65.1  | 32.2  | 96.6   |

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#76

1,2,3-Trichloropropane

Concen: 22.707 ug/l m

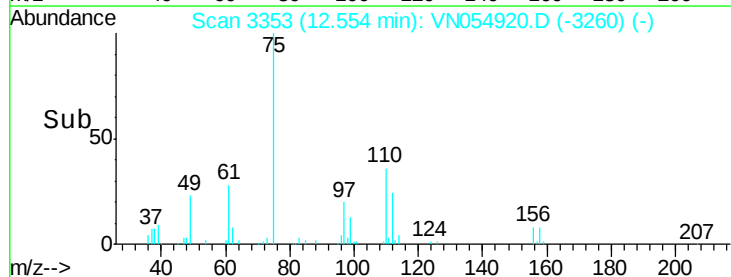
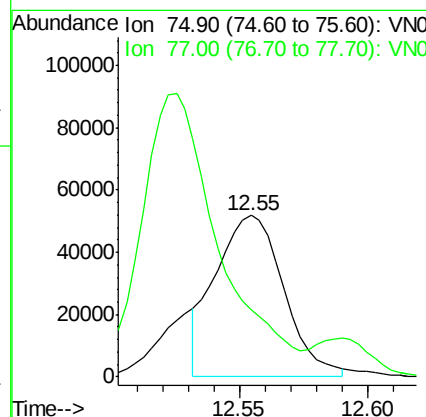
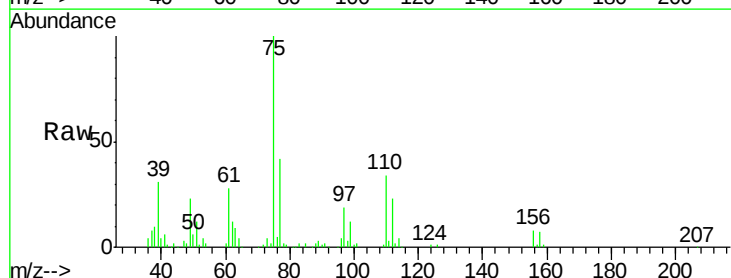
RT: 12.55 min Scan# 3353

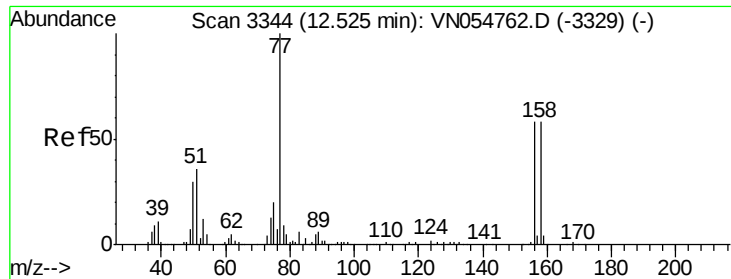
Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 95305 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 20.908 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

Instrument :

MSVOA\_N

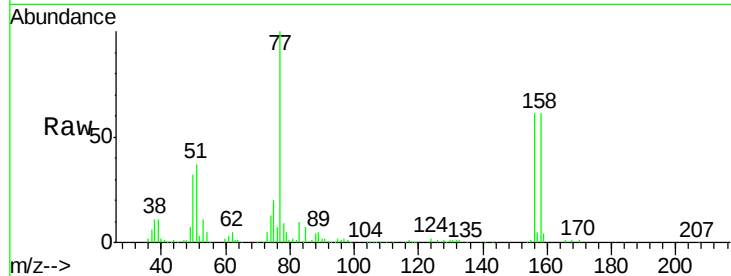
ClientSampleId :

VN0403WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 156   | Resp: | 99648 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 191.7 | 81.5  | 244.4 |
| 158       | 96.3  | 49.0  | 147.2 |

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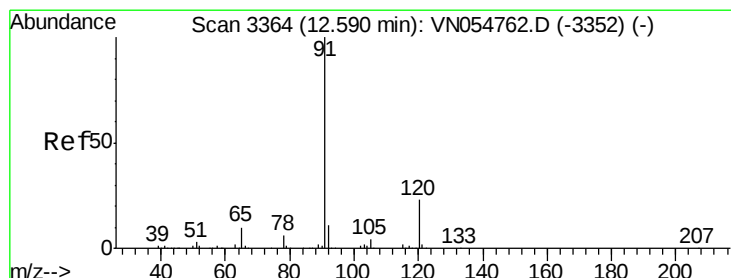
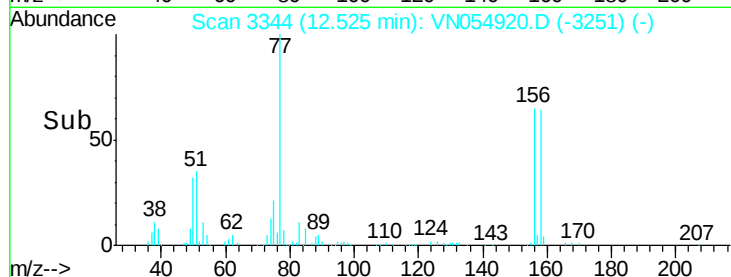
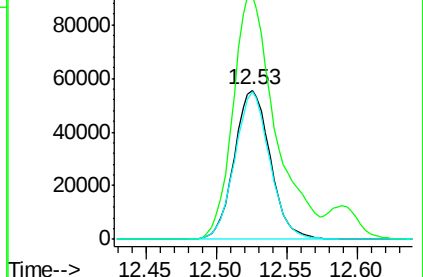
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.961 ug/l

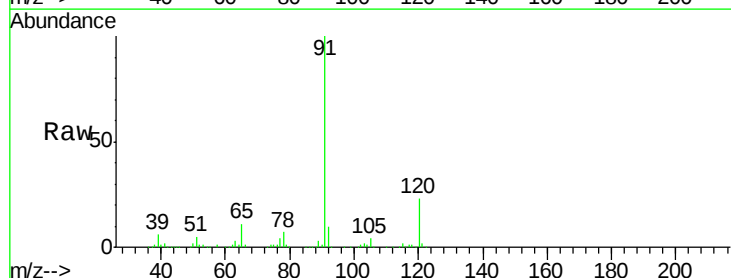
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054920.D

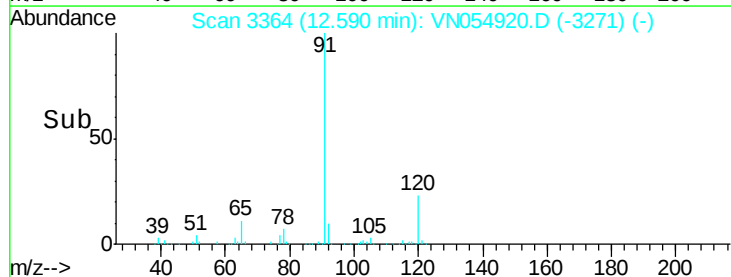
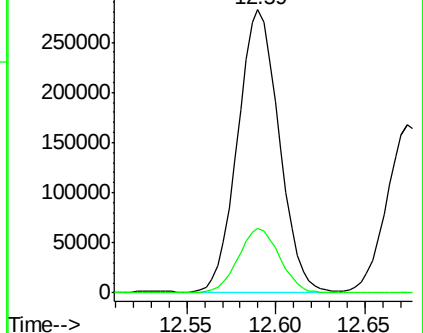
Acq: 3 Apr 2019 12:29

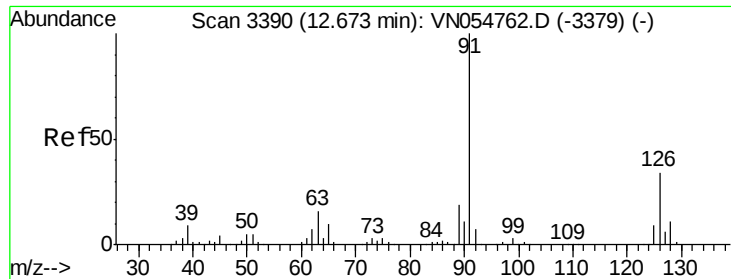
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 454953 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.9  | 12.3  | 36.9   |



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





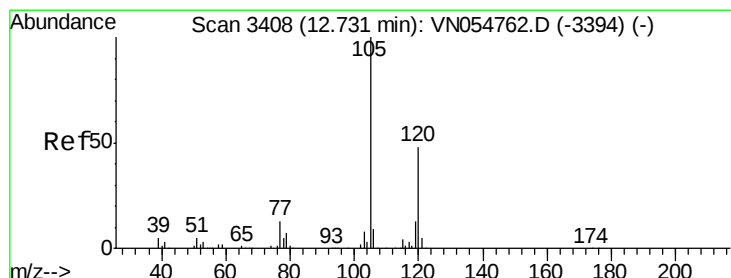
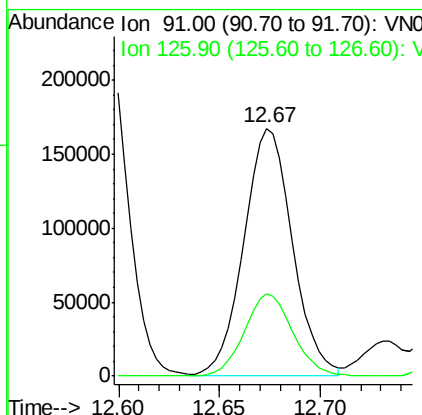
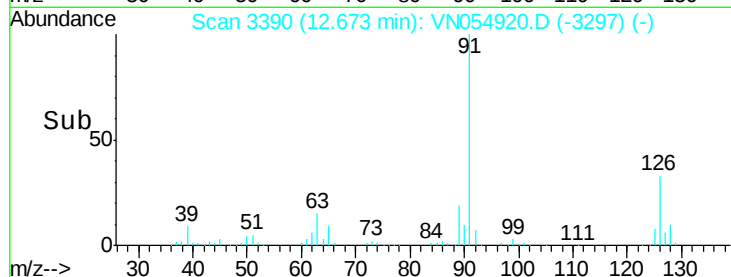
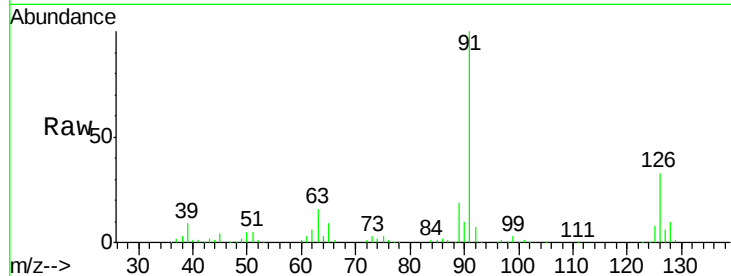
#79  
 2-Chlorotoluene  
 Concen: 20.891 ug/l  
 RT: 12.67 min Scan# 3390  
 Delta R.T. 0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0403WBS01

Tot Ion: 91 Resp: 280523  
 Ion Ratio Lower Upper  
 91 100  
 126 33.4 18.7 56.1

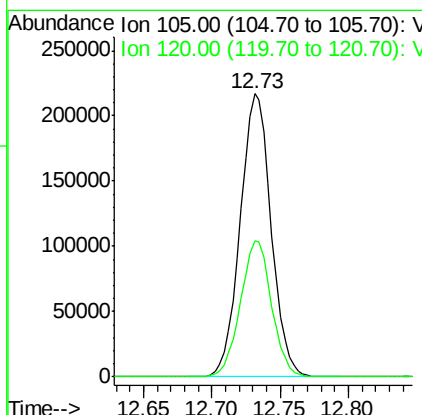
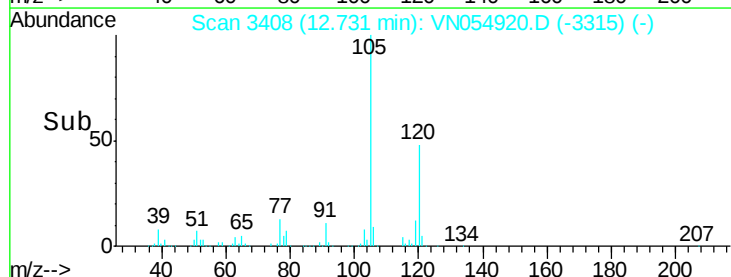
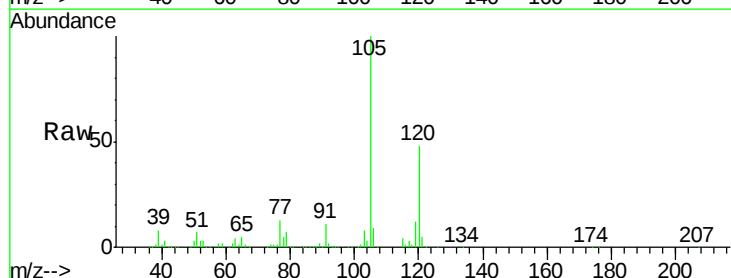
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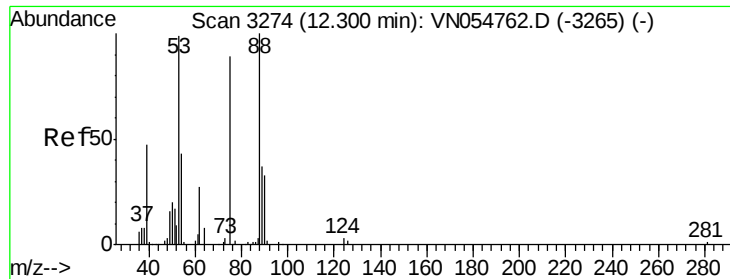
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 4/4/2019 9:31:08 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 20.974 ug/l  
 RT: 12.73 min Scan# 3408  
 Delta R.T. 0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

Tgt Ion: 105 Resp: 339846  
 Ion Ratio Lower Upper  
 105 100  
 120 48.6 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.834 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

Instrument :

MSVOA\_N

ClientSampleId :

VN0403WBS01

Tot Ion: 75 Resp: 20322

Ion Ratio Lower Upper

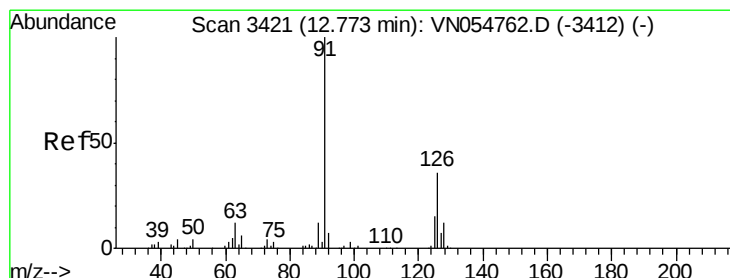
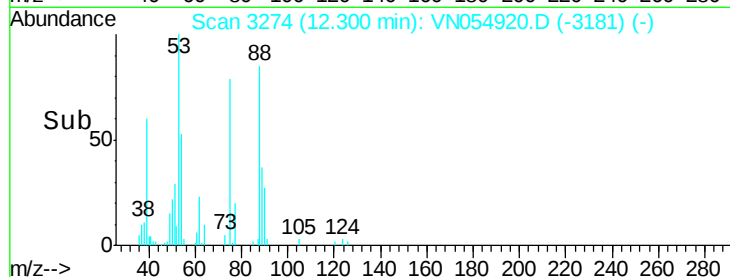
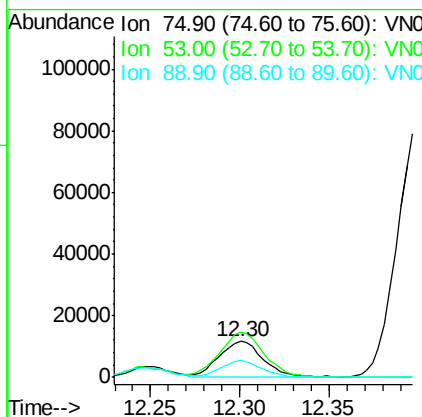
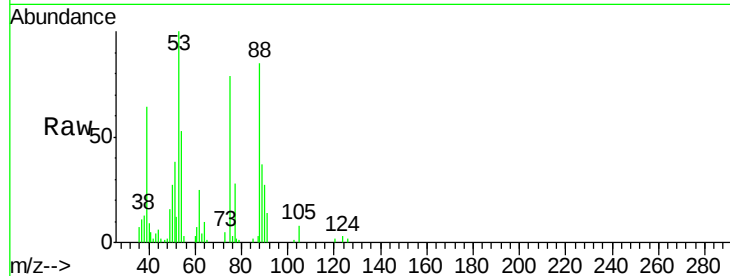
75 100

53 123.7 76.2 114.2#

89 43.4 39.2 58.8

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#82

4-Chlorotoluene

Concen: 20.534 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054920.D

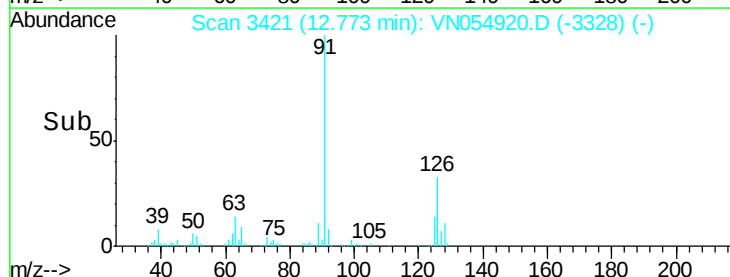
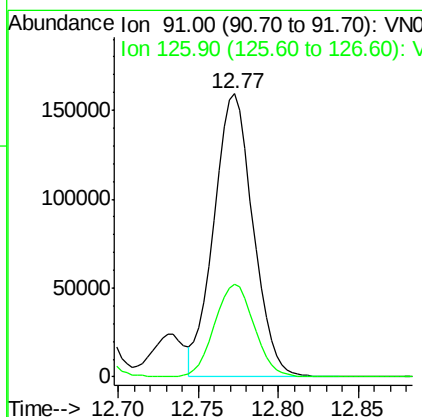
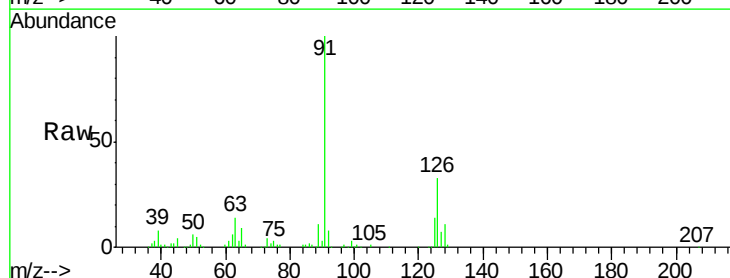
Acq: 3 Apr 2019 12:29

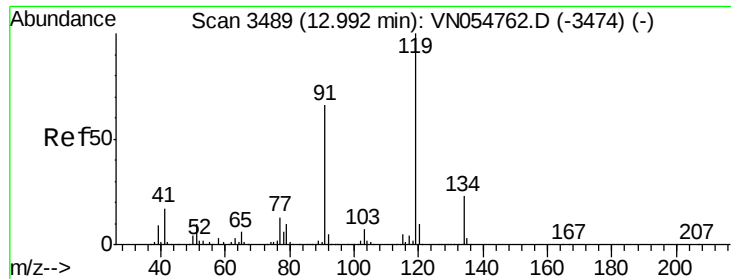
Tgt Ion: 91 Resp: 267819

Ion Ratio Lower Upper

91 100

126 33.3 18.1 54.1





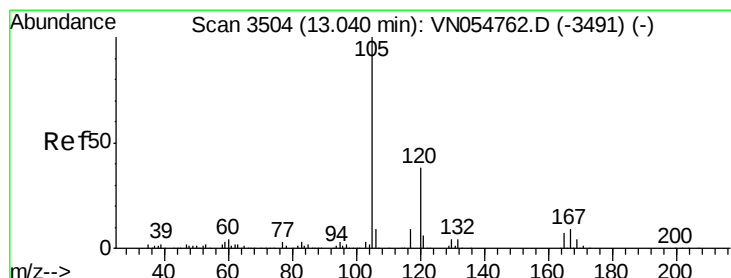
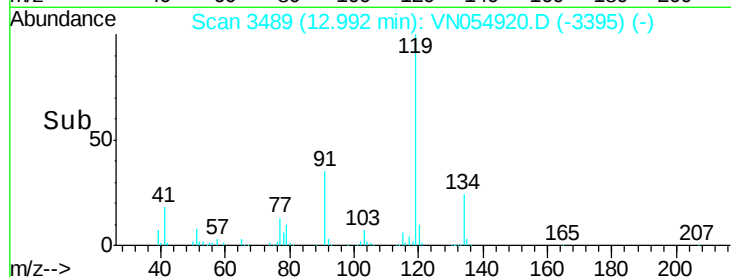
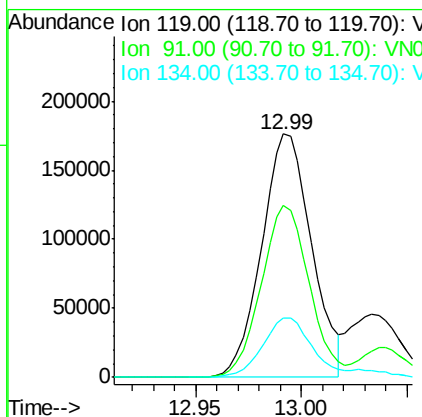
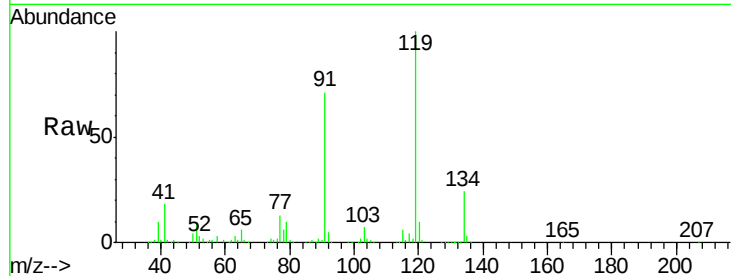
#83  
 tert-Butylbenzene  
 Concen: 21.935 ug/l  
 RT: 12.99 min Scan# 3489  
 Delta R.T. 0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0403WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 290095 |       |       |
| 91      | 67.9  |        | 30.9  | 92.8  |
| 134     | 26.4  |        | 13.2  | 39.6  |

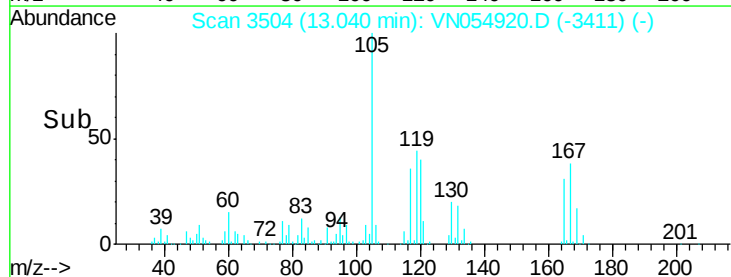
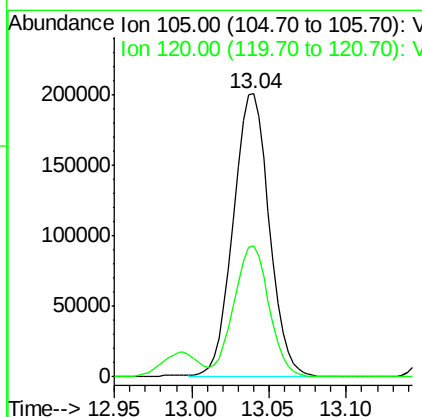
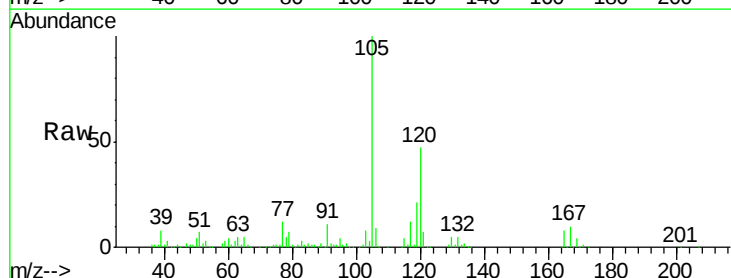
Manual Integrations  
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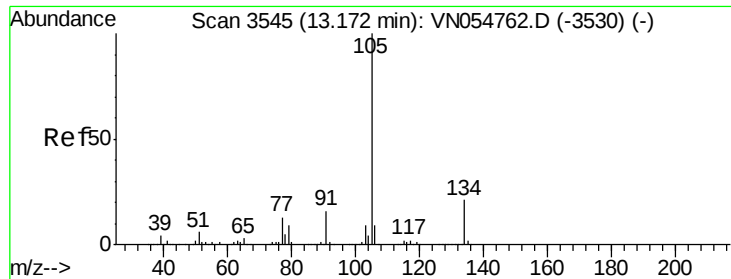
MMDadoda  
 4/4/2019 9:31:08 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.058 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 325075 |       |       |
| 120     | 45.4  |        | 23.4  | 70.3  |





#85

sec-Butylbenzene

Concen: 20.951 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

Instrument :

MSVOA\_N

ClientSampled :

VN0403WBS01

Tot Ion:105 Resp: 368773

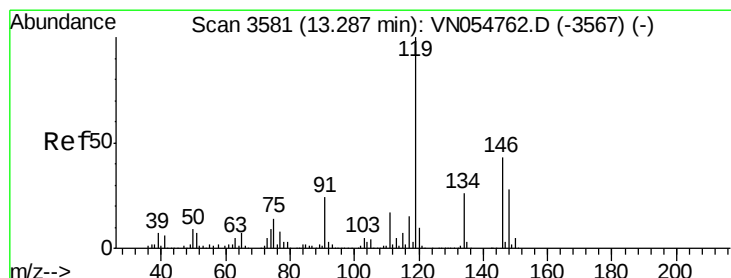
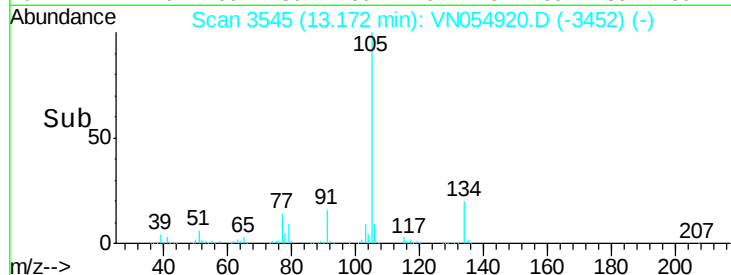
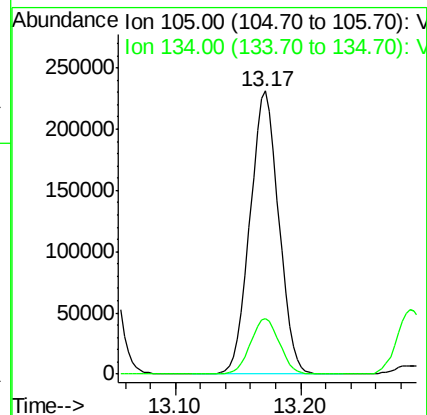
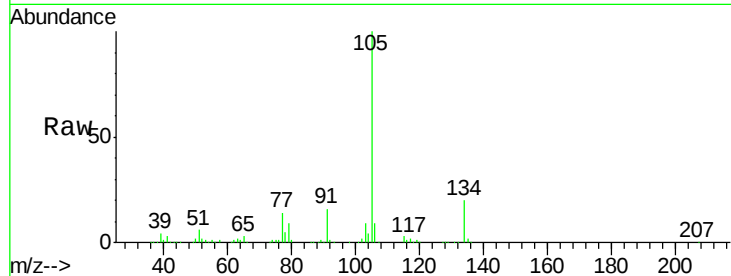
Ion Ratio Lower Upper

105 100

134 19.7 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 20.713 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

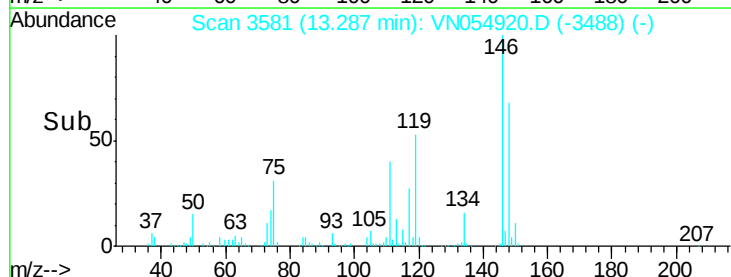
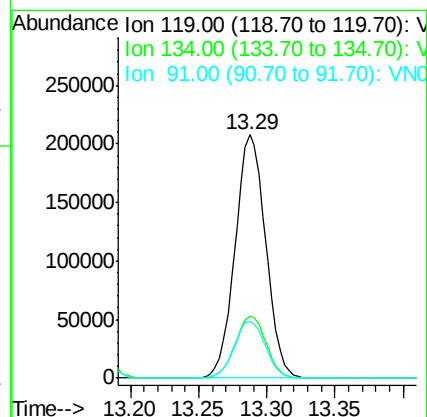
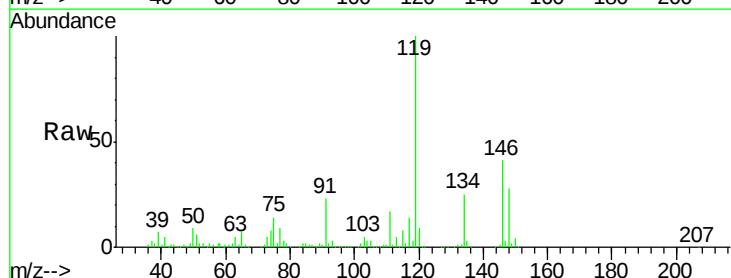
Tgt Ion:119 Resp: 321562

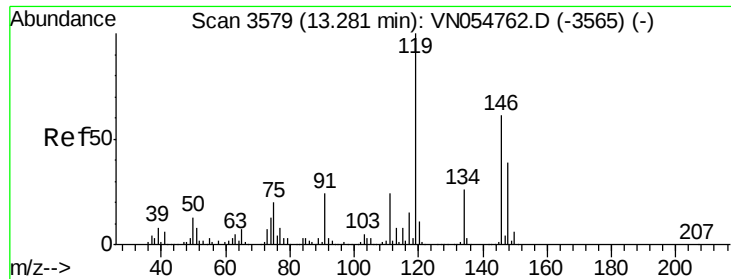
Ion Ratio Lower Upper

119 100

134 25.9 13.6 40.8

91 24.0 11.1 33.3





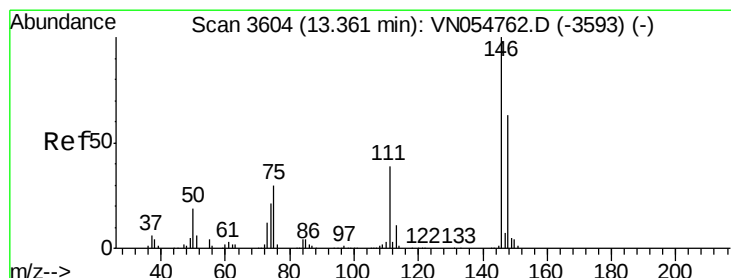
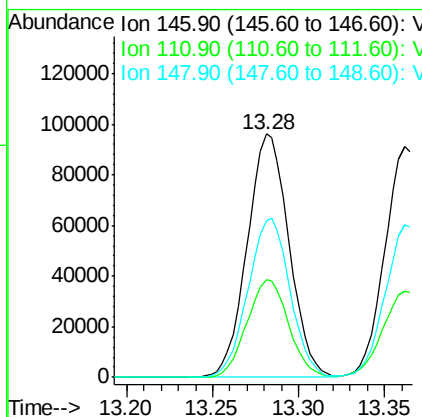
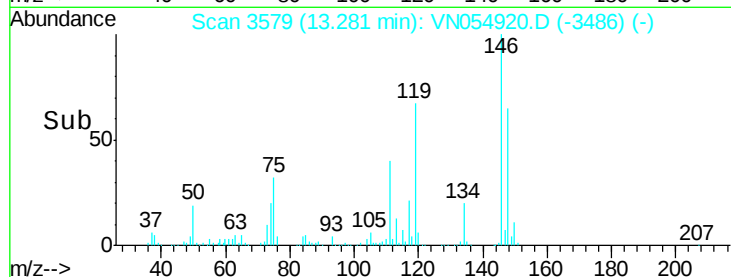
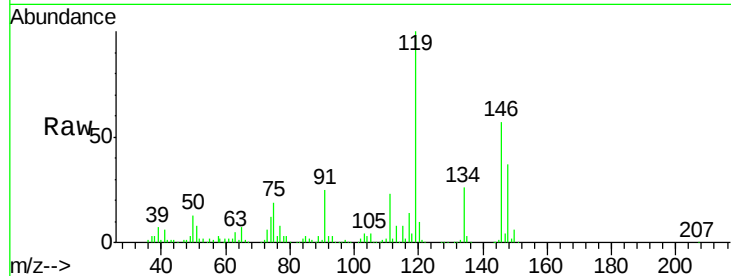
#87  
 1,3-Dichlorobenzene  
 Concen: 20.259 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0403WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.1  | 18.8  | 56.3  |
| 148     | 65.8  | 32.2  | 96.6  |

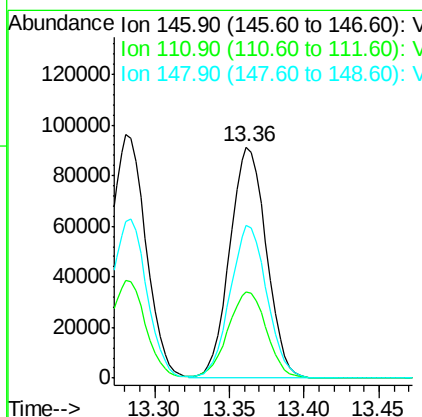
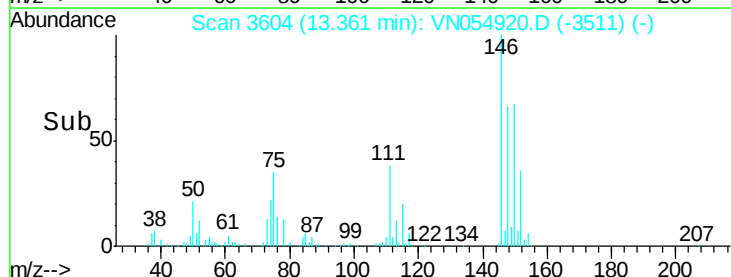
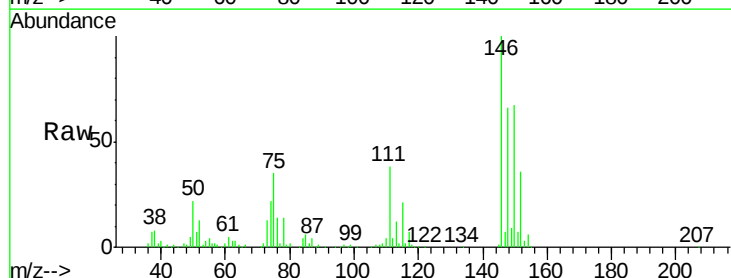
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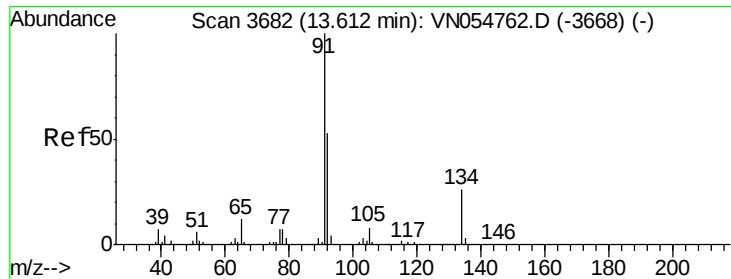
MMDadoda  
 4/4/2019 9:31:08 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.922 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. 0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.7  | 18.1  | 54.1  |
| 148     | 66.6  | 32.0  | 96.0  |





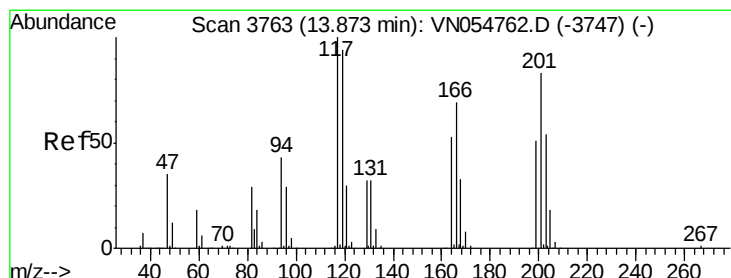
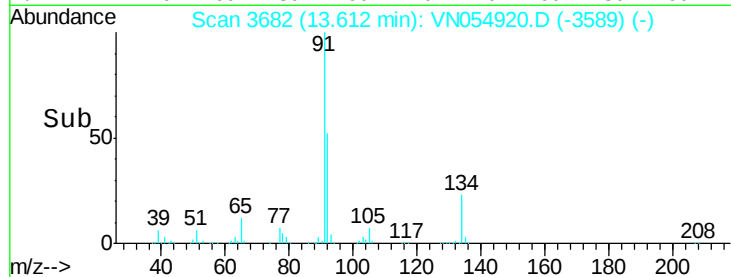
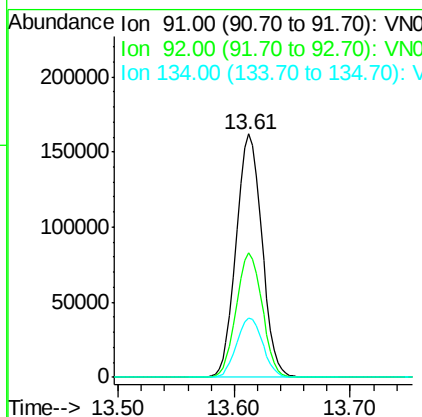
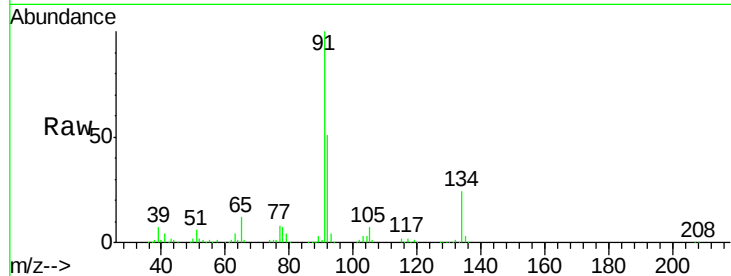
#89  
n-Butylbenzene  
Concen: 19.670 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0403WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.6  | 26.2  | 78.6  |
| 134     | 24.6  | 14.3  | 42.9  |

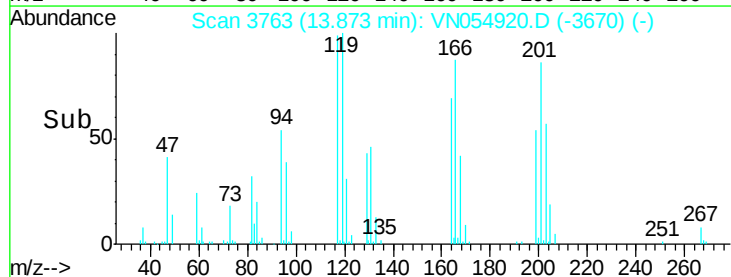
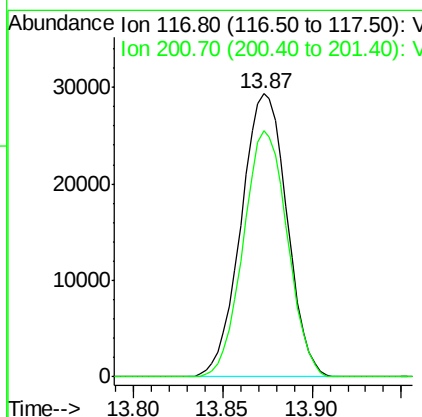
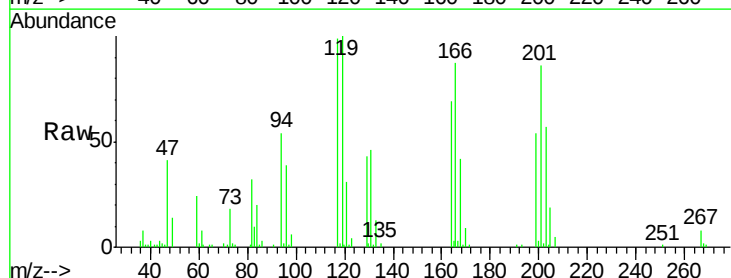
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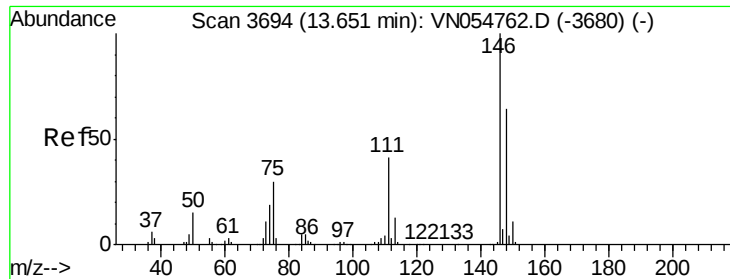
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#90  
Hexachloroethane  
Concen: 19.988 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN054920.D  
Acq: 3 Apr 2019 12:29

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





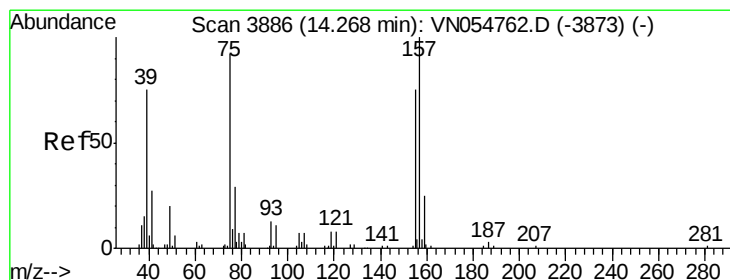
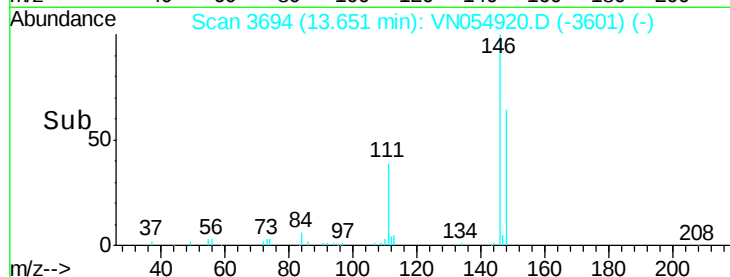
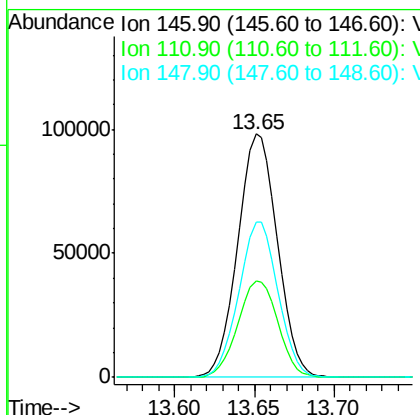
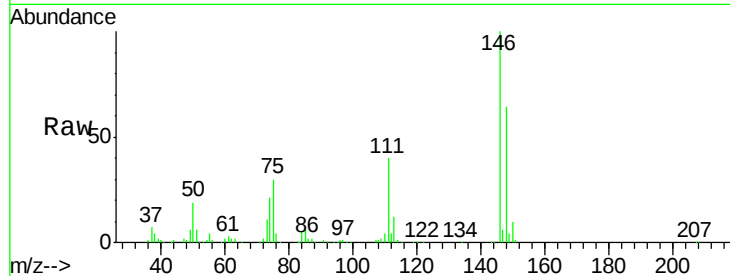
#91  
 1,2-Dichlorobenzene  
 Concen: 20.560 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0403WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.1  | 19.1  | 57.3  |
| 148     | 63.0  | 32.4  | 97.0  |

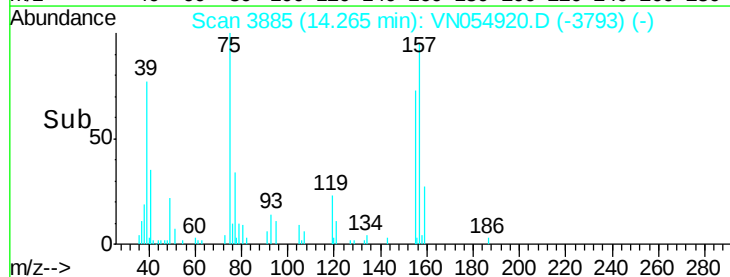
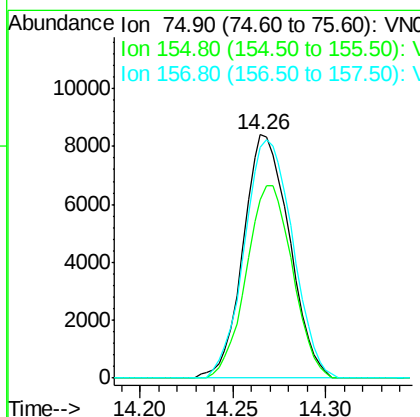
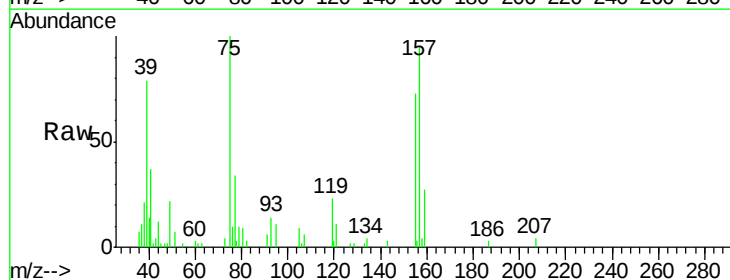
Manual Integrations  
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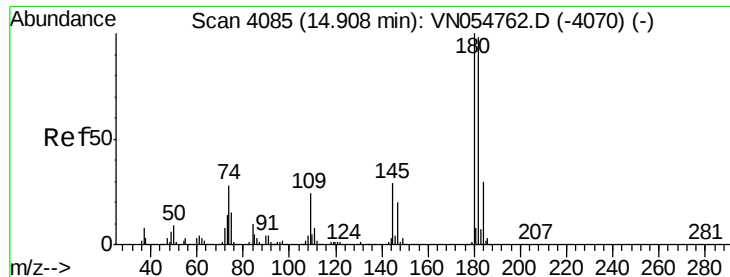
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.458 ug/l  
 RT: 14.26 min Scan# 3885  
 Delta R.T. -0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 79.1  | 50.1  | 150.3 |
| 157     | 102.7 | 63.1  | 189.3 |





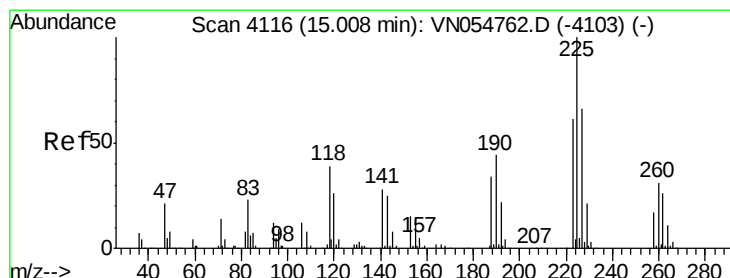
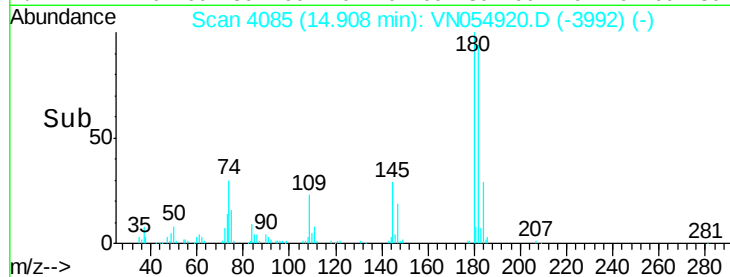
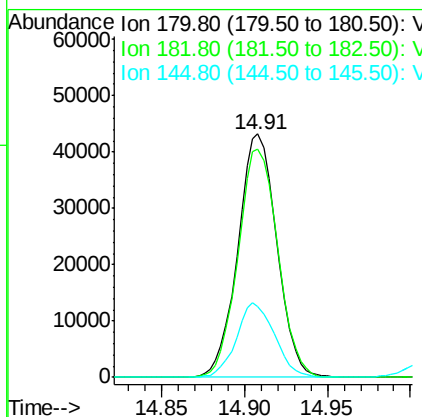
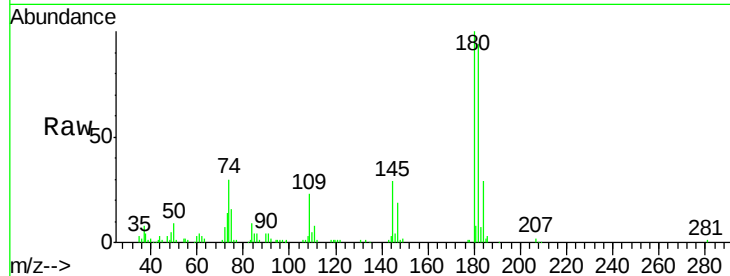
#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.146 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0403WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 180   | Resp: | 70452 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.7  | 48.0  | 144.2 |
| 145       | 29.9  | 14.2  | 42.8  |

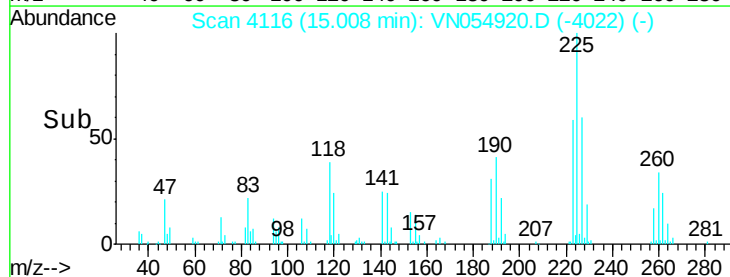
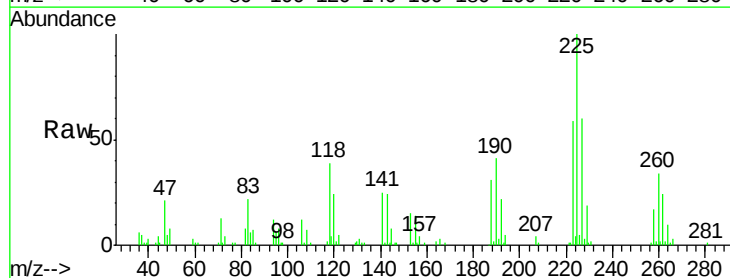
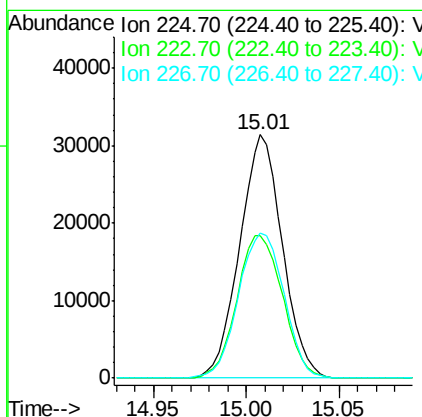
Manual Integrations  
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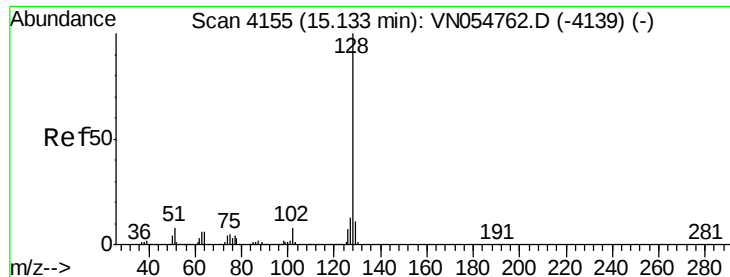
MMDadoda  
 4/4/2019 9:31:08 AM



#94  
 Hexachlorobutadiene  
 Concen: 20.681 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN054920.D  
 Acq: 3 Apr 2019 12:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 50386 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 62.7  | 31.1  | 93.5  |
| 227       | 63.6  | 31.9  | 95.9  |





#95

Naphthalene

Concen: 17.739 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

Instrument :

MSVOA\_N

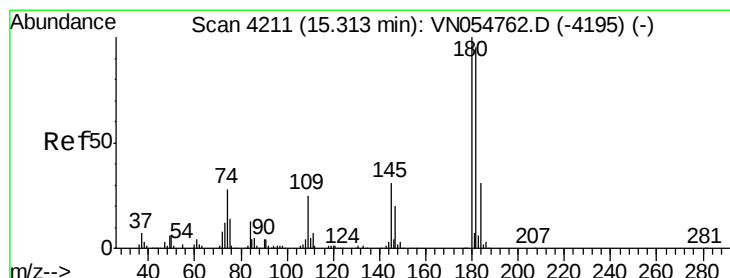
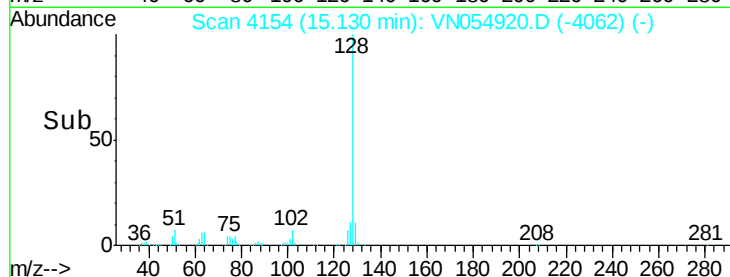
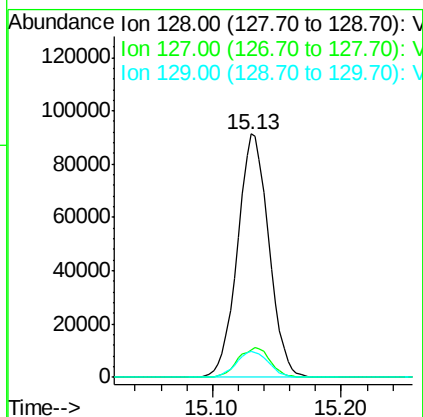
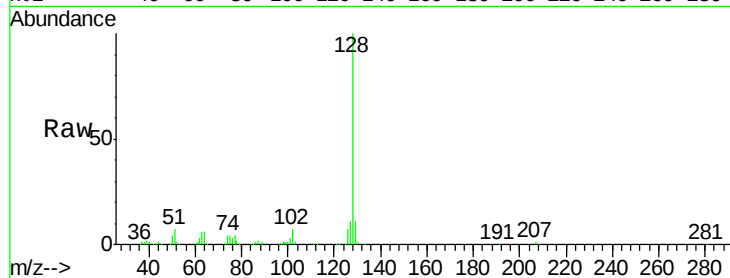
ClientSampleId :

VN0403WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 154460 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.6  | 10.1  | 15.1   |
| 129       | 10.9  | 8.7   | 13.1   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 19.251 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054920.D

Acq: 3 Apr 2019 12:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 75481 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 92.3  | 47.5  | 142.6 |
| 145       | 30.2  | 14.8  | 44.3  |

