

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040119\  
 Data File : VN054870.D  
 Acq On : 1 Apr 2019 13:18  
 Operator : JC/SP  
 Sample : VN0401WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0401WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 4/2/2019 10:51:39 AM

Quant Time: Apr 02 04:49:24 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  | 389497   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 641666   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 563073   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 239050   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 266774   | 50.81 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.62% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 208099   | 48.64 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.28%  |      |
| 50) Toluene-d8            | 10.09  | 98  | 769682   | 48.39 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.78%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 254575   | 48.13 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.26%  |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 73061   | 18.544  | ug/l   | 97     |
| 3) Chloromethane              | 2.06 | 50  | 105866  | 19.434  | ug/l   | 98     |
| 4) Vinyl Chloride             | 2.19 | 62  | 93942   | 19.203  | ug/l   | 99     |
| 5) Bromomethane               | 2.58 | 94  | 53306   | 19.409  | ug/l   | 97     |
| 6) Chloroethane               | 2.71 | 64  | 53160   | 19.461  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 118049  | 19.628  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 39673   | 20.486  | ug/l   | 66     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 60421   | 19.084  | ug/l # | 94     |
| 10) Methyl Iodide             | 3.95 | 142 | 77445   | 17.868  | ug/l # | 91     |
| 11) Tert butyl alcohol        | 4.82 | 59  | 30334   | 110.885 | ug/l # | 88     |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 61872   | 20.208  | ug/l # | 77     |
| 13) Acrolein                  | 3.61 | 56  | 34537   | 141.221 | ug/l   | 99     |
| 14) Allyl chloride            | 4.32 | 41  | 144448  | 19.154  | ug/l # | 90     |
| 15) Acrylonitrile             | 5.00 | 53  | 165802  | 109.041 | ug/l   | 99     |
| 16) Acetone                   | 3.82 | 43  | 141997  | 113.410 | ug/l # | 80     |
| 17) Carbon Disulfide          | 4.04 | 76  | 171380  | 17.258  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.33 | 43  | 76546   | 22.975  | ug/l # | 89     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 223798  | 20.897  | ug/l   | 96     |
| 20) Methylene Chloride        | 4.55 | 84  | 88685   | 20.080  | ug/l # | 86     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 77591   | 19.294  | ug/l   | 84     |
| 22) Diisopropyl ether         | 5.96 | 45  | 302142  | 20.257  | ug/l # | 94     |
| 23) Vinyl Acetate             | 5.90 | 43  | 1079779 | 104.028 | ug/l # | 92     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 160796  | 20.209  | ug/l   | 97     |
| 25) 2-Butanone                | 6.85 | 43  | 211477  | 114.263 | ug/l   | 90     |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 105731  | 18.960  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 90656   | 19.955  | ug/l   | 88     |
| 28) Bromochloromethane        | 7.20 | 49  | 79560   | 19.997  | ug/l # | 70     |
| 29) Tetrahydrofuran           | 7.22 | 42  | 138531  | 107.767 | ug/l # | 85     |
| 30) Chloroform                | 7.37 | 83  | 155113  | 20.445  | ug/l   | 99     |
| 31) Cyclohexane               | 7.65 | 56  | 150089  | 19.443  | ug/l   | 88     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 125400  | 19.945  | ug/l   | 95     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 110060  | 18.407  | ug/l   | 96     |
| 37) Ethyl Acetate             | 6.94 | 43  | 91997   | 20.982  | ug/l # | 93     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 107112  | 18.444  | ug/l   | 99     |

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 Acq On : 1 Apr 2019 13:18  
 Operator : JC/SP  
 Sample : VN0401WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0401WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 4/2/2019 10:51:39 AM

Quant Time: Apr 02 04:49:24 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   | 121335   | 18.459  | ug/l   | 90       |
| 40) Benzene                    | 8.04  | 78   | 342017   | 19.991  | ug/l   | 97       |
| 41) Methacrylonitrile          | 7.18  | 41   | 51130    | 20.759  | ug/l   | 89       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 125741   | 20.584  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 153032   | 21.480  | ug/l # | 92       |
| 44) Trichloroethene            | 8.83  | 130  | 87451    | 19.691  | ug/l   | 92       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 97121    | 19.909  | ug/l   | 98       |
| 46) Dibromomethane             | 9.21  | 93   | 55579    | 20.253  | ug/l   | 89       |
| 47) Bromodichloromethane       | 9.40  | 83   | 113220   | 19.852  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 74961    | 19.410  | ug/l   | 90       |
| 49) 1,4-Dioxane                | 9.21  | 88   | 17148    | 447.505 | ug/l # | 72       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 440079   | 109.869 | ug/l   | 92       |
| 52) Toluene                    | 10.16 | 92   | 203485   | 19.988  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 99760    | 18.595  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 126055   | 19.669  | ug/l # | 91       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 77138    | 20.378  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 96336    | 19.401  | ug/l # | 81       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 135460   | 20.815  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 191046   | 95.971  | ug/l # | 88       |
| 59) 2-Hexanone                 | 10.75 | 43   | 275185   | 107.319 | ug/l   | 91       |
| 60) Dibromochloromethane       | 10.90 | 129  | 76070    | 19.838  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 73357    | 20.278  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 84886    | 19.646  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.43 | 112  | 211892   | 19.220  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 78574    | 19.042  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 380298   | 19.116  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.62 | 106  | 282230   | 38.336  | ug/l   | 93       |
| 69) o-Xylene                   | 11.95 | 106  | 139476   | 19.320  | ug/l   | 97       |
| 70) Styrene                    | 11.96 | 104  | 225490   | 19.535  | ug/l   | 96       |
| 71) Bromoform                  | 12.13 | 173  | 46295    | 19.151  | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.25 | 105  | 364116   | 18.635  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 116782   | 19.185  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 95778    | 21.252  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 79807m   | 19.217  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 91388    | 19.380  | ug/l   | 86       |
| 78) n-propylbenzene            | 12.59 | 91   | 403710   | 18.799  | ug/l   | 96       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 248434   | 18.699  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 306599   | 19.124  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 17318    | 16.221  | ug/l # | 73       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 238209   | 18.459  | ug/l   | 95       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 258411   | 19.531  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 295306   | 19.334  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 332473   | 19.090  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 290744   | 18.928  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 149202   | 18.898  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 138655   | 17.906  | ug/l   | 96       |
| 89) n-Butylbenzene             | 13.62 | 91   | 219961   | 17.551  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.87 | 117  | 45926    | 17.609  | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 150258   | 18.858  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 13524    | 20.247  | ug/l   | 83       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040119\  
Data File : VN054870.D  
Acq On : 1 Apr 2019 13:18  
Operator : JC/SP  
Sample : VN0401WBS01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0401WBS01

Manual Integrations  
APPROVED

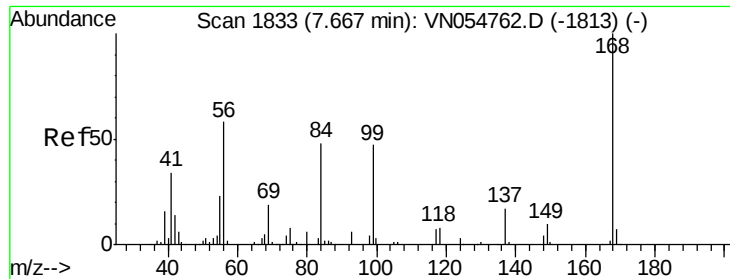
MMDadoda  
4/2/2019 10:51:39 AM

Quant Time: Apr 02 04:49:24 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  | 62564    | 16.287 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 48399    | 20.013 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 146606   | 17.016 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 69917    | 18.022 | ug/l  | 99       |

(#) = 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: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

ClientSampled :

VN0401WBS01

Tot Ion:168 Resp: 389497

Ion Ratio Lower Upper

168 100

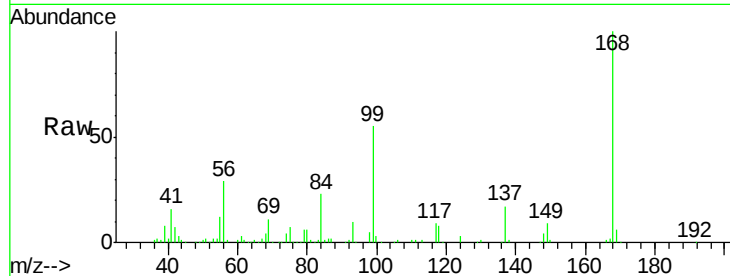
99 54.2 37.1 55.7

Manual Integrations

APPROVED

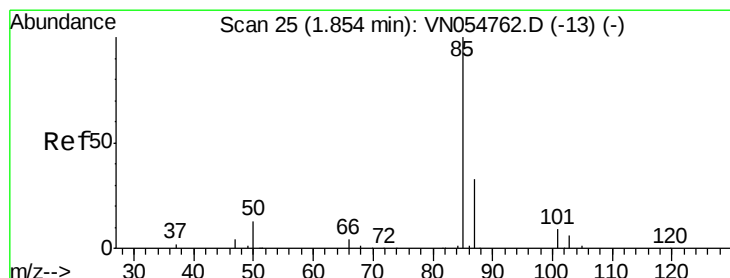
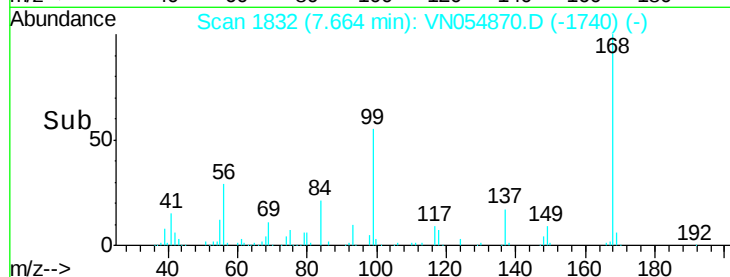
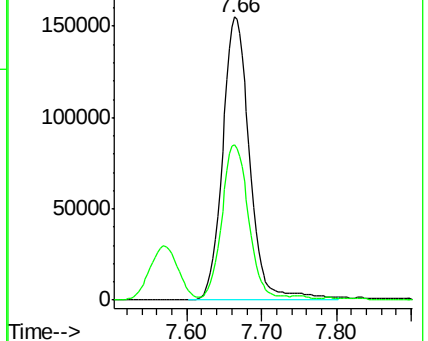
MMDadoda

4/2/2019 10:51:39 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.544 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054870.D

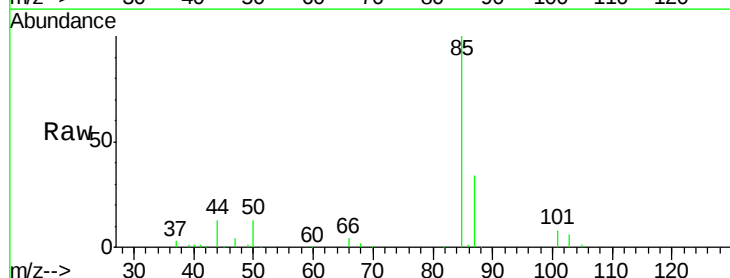
Acq: 1 Apr 2019 13:18

Tgt Ion: 85 Resp: 73061

Ion Ratio Lower Upper

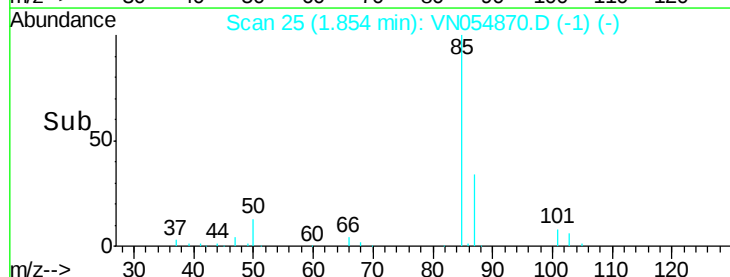
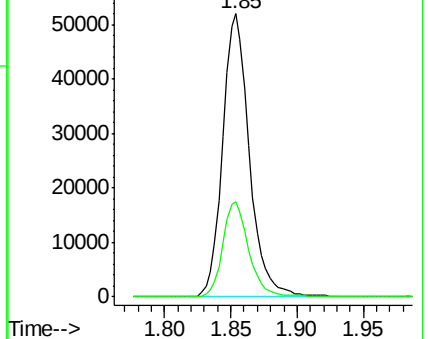
85 100

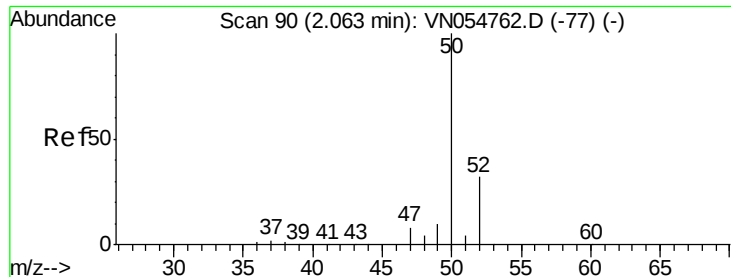
87 33.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.434 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0401WBS01

Tot Ion: 50 Resp: 105866

Ion Ratio Lower Upper

50 100

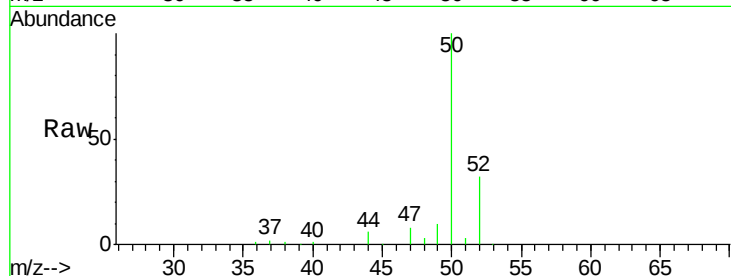
52 32.1 26.4 39.6

Manual Integrations

APPROVED

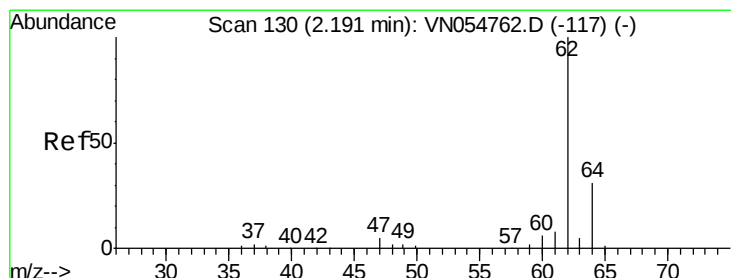
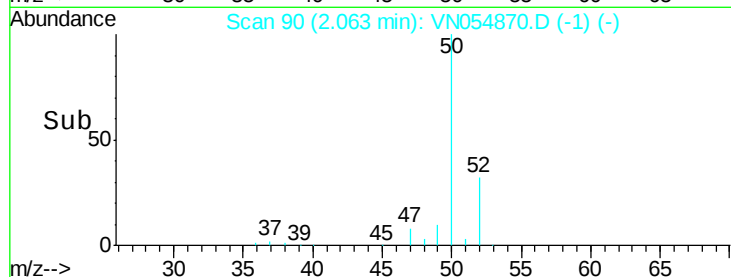
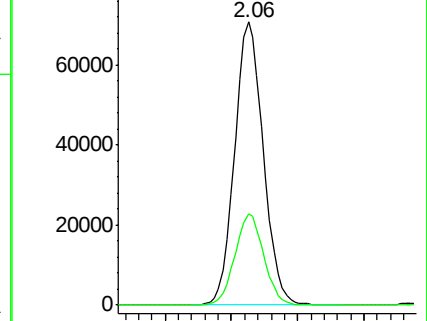
MMDadoda

4/2/2019 10:51:39 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.203 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054870.D

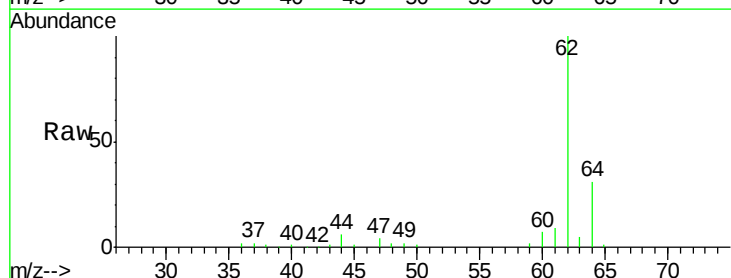
Acq: 1 Apr 2019 13:18

Tgt Ion: 62 Resp: 93942

Ion Ratio Lower Upper

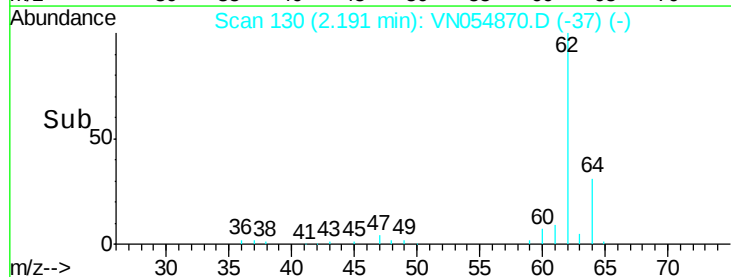
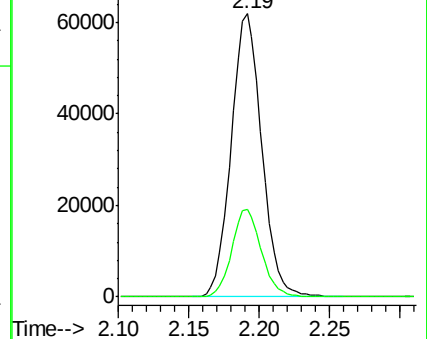
62 100

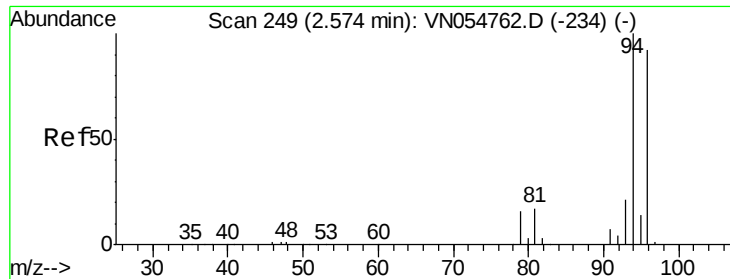
64 31.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.409 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0401WBS01

Tot Ion: 94 Resp: 53306

Ion Ratio Lower Upper

94 100

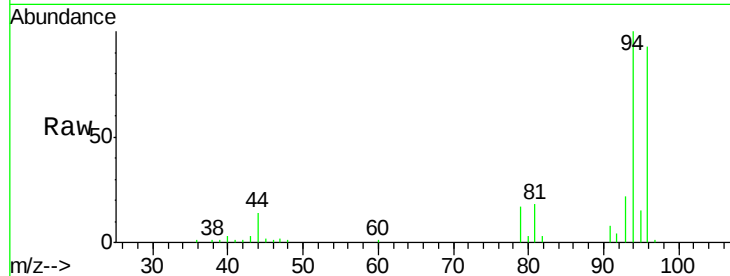
96 93.2 77.0 115.4

Manual Integrations

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4/2/2019 10:51:39 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

30000

25000

20000

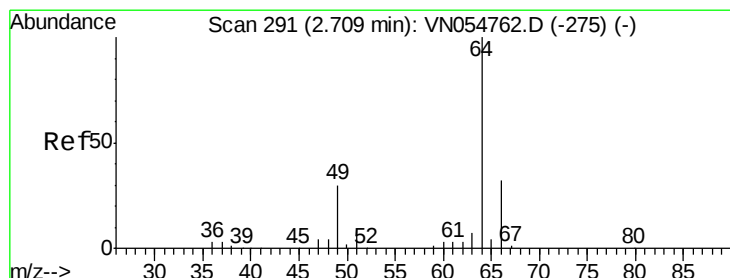
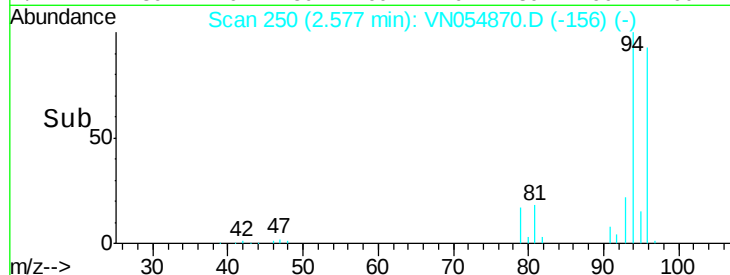
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.461 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054870.D

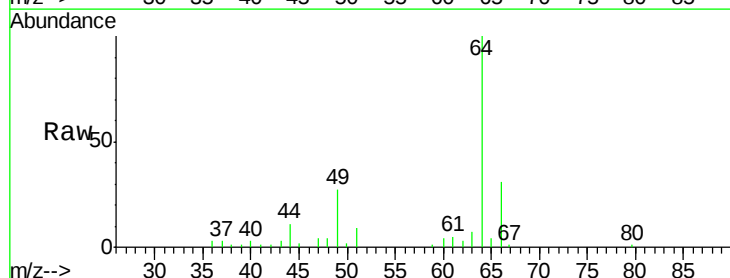
Acq: 1 Apr 2019 13:18

Tgt Ion: 64 Resp: 53160

Ion Ratio Lower Upper

64 100

66 30.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

30000

25000

20000

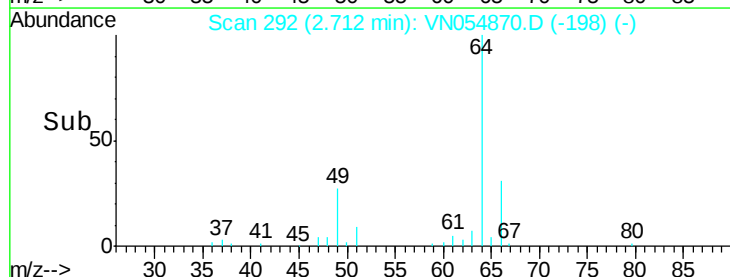
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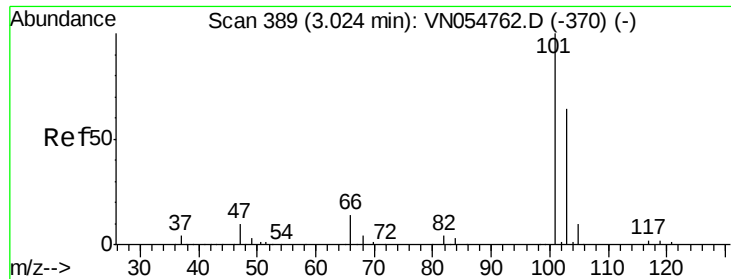
10000

5000

0

Time-->





#7

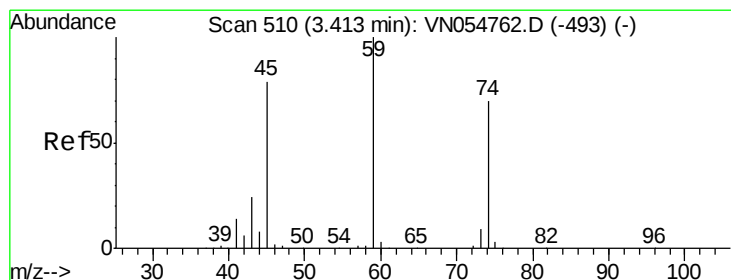
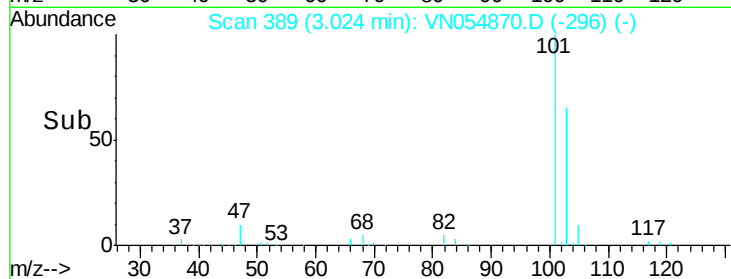
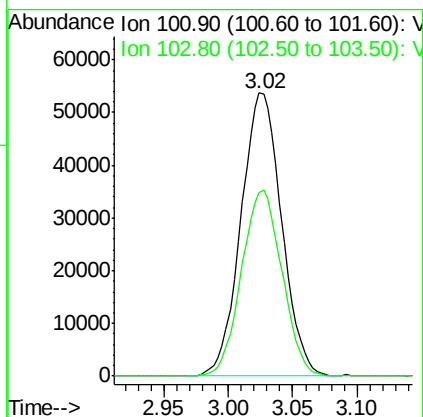
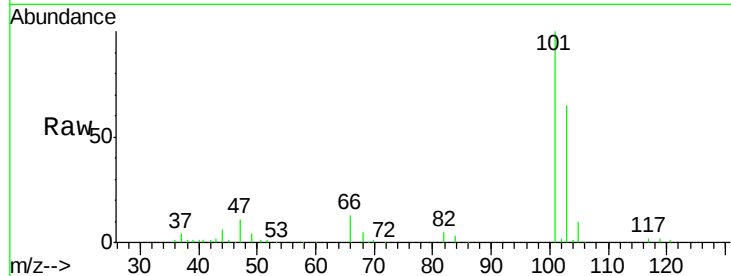
Trichlorofluoromethane  
 Concen: 19.628 ug/l  
 RT: 3.02 min Scan# 389  
 Delta R.T. -0.00 min  
 Lab File: VN054870.D  
 Acq: 1 Apr 2019 13:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0401WBS01

Tot Ion:101 Resp: 118049  
 Ion Ratio Lower Upper  
 101 100  
 103 64.8 51.4 77.2

Manual Integrations  
 APPROVED

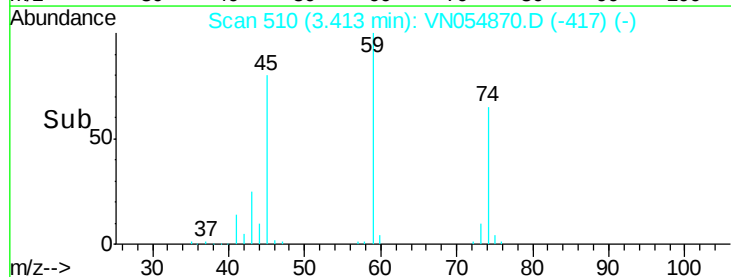
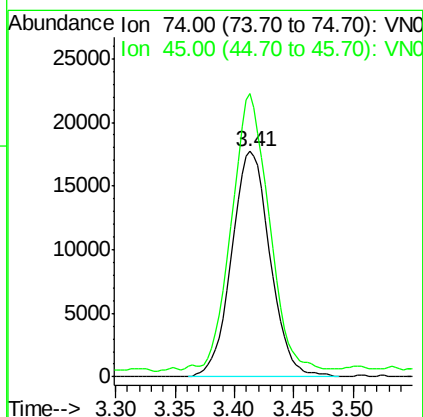
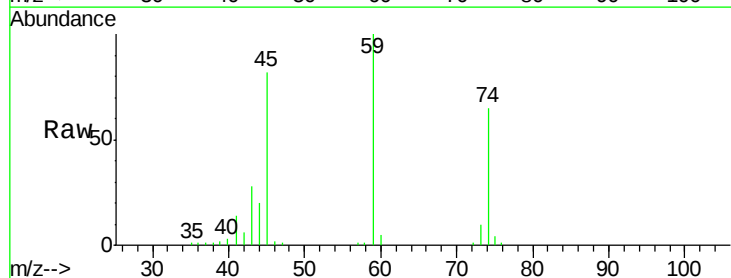
MMDadoda  
 4/2/2019 10:51:39 AM

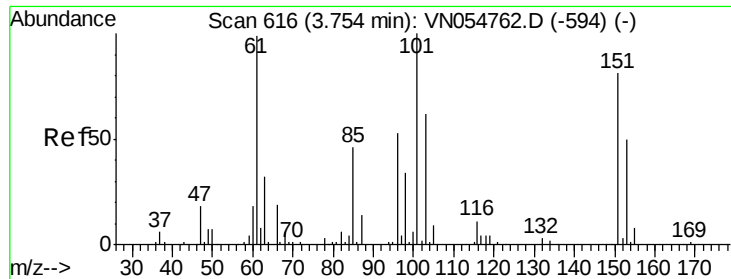


#8

Diethyl Ether  
 Concen: 20.486 ug/l  
 RT: 3.41 min Scan# 510  
 Delta R.T. -0.00 min  
 Lab File: VN054870.D  
 Acq: 1 Apr 2019 13:18

Tgt Ion: 74 Resp: 39673  
 Ion Ratio Lower Upper  
 74 100  
 45 117.7 43.1 129.4





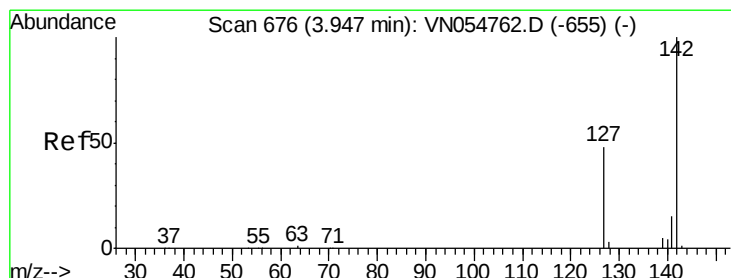
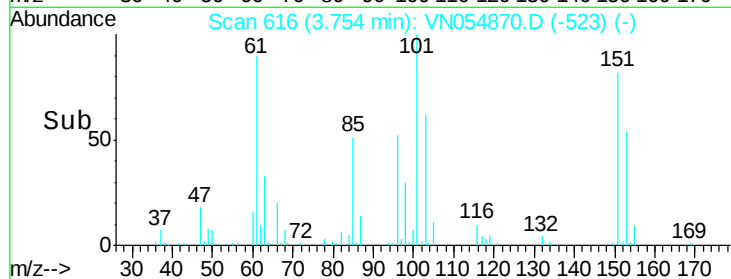
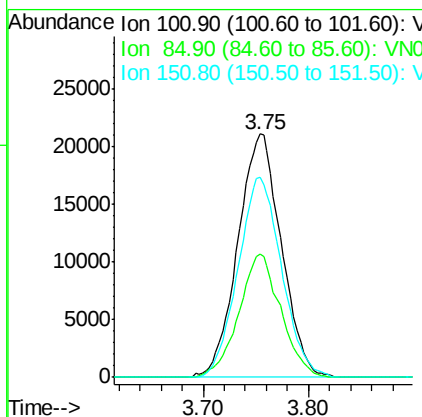
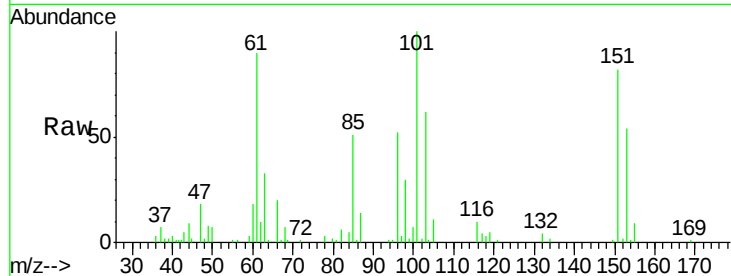
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 19.084 ug/l  
 RT: 3.75 min Scan# 616  
 Delta R.T. -0.00 min  
 Lab File: VN054870.D  
 Acq: 1 Apr 2019 13:18

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0401WBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 101     | 100   | 60421 |       |       |
| 85      | 49.0  | 32.4  | 48.6# |       |
| 151     | 82.4  | 68.2  | 102.2 |       |

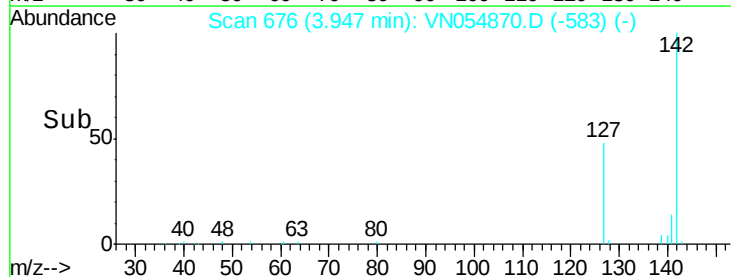
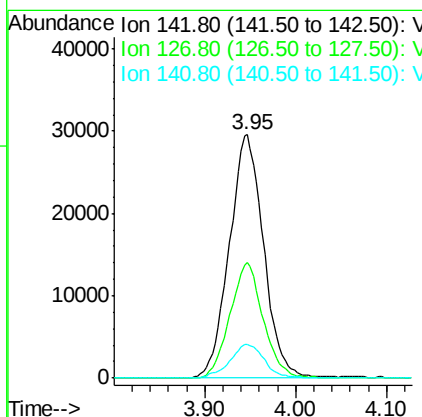
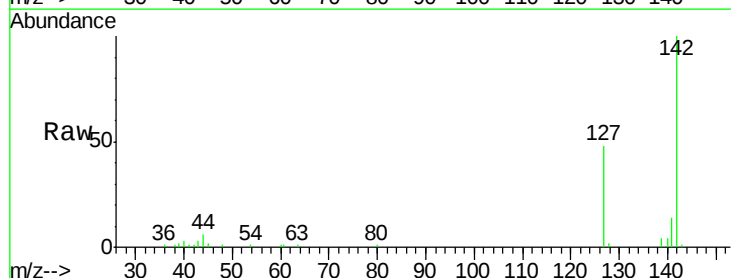
Manual Integrations  
 APPROVED

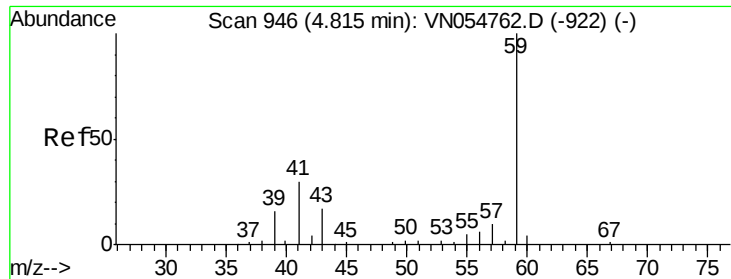
MMDadoda  
 4/2/2019 10:51:39 AM



#10  
 Methyl Iodide  
 Concen: 17.868 ug/l  
 RT: 3.95 min Scan# 676  
 Delta R.T. -0.00 min  
 Lab File: VN054870.D  
 Acq: 1 Apr 2019 13:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 142     | 100   | 77445 |       |       |
| 127     | 45.6  | 30.3  | 45.5# |       |
| 141     | 13.9  | 11.2  | 16.8  |       |





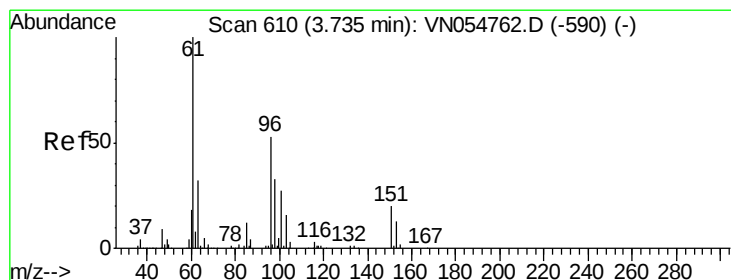
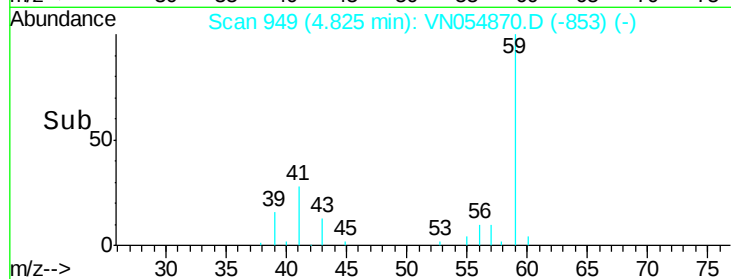
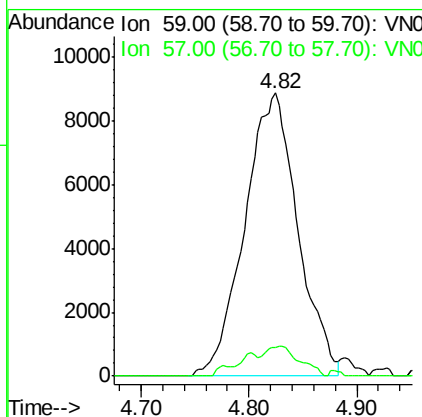
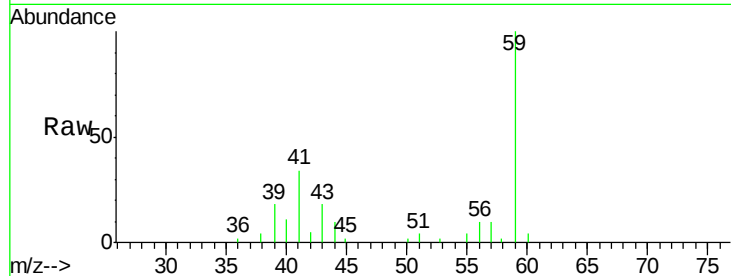
#11  
Tert butyl alcohol  
Concen: 110.885 ug/l  
RT: 4.82 min Scan# 949  
Delta R.T. 0.01 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0401WBS01

Tot Ion: 59 Resp: 30334  
Ion Ratio Lower Upper  
59 100  
57 6.6 9.0 13.6#

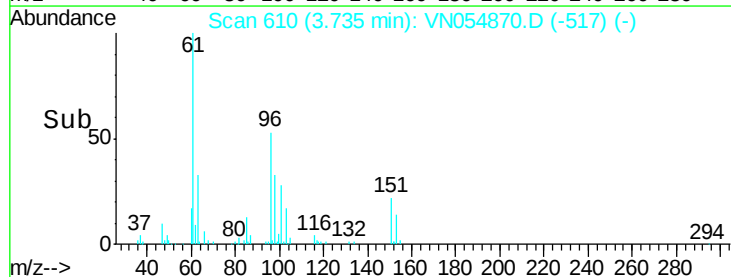
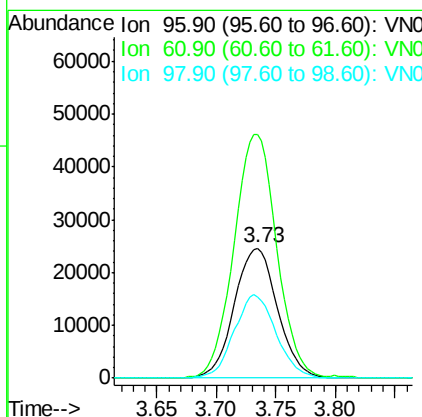
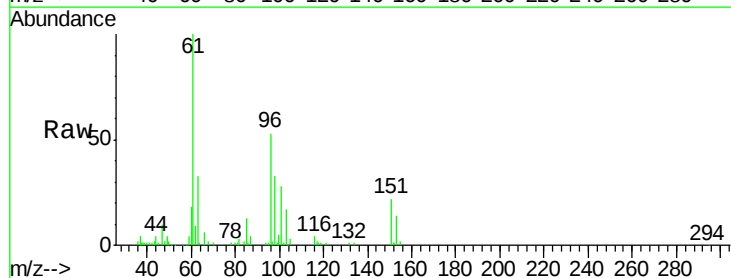
Manual Integrations  
APPROVED

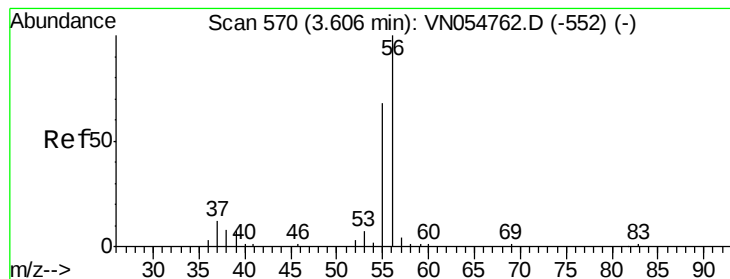
MMDadoda  
4/2/2019 10:51:39 AM



#12  
1,1-Dichloroethene  
Concen: 20.208 ug/l  
RT: 3.73 min Scan# 610  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

Tgt Ion: 96 Resp: 61872  
Ion Ratio Lower Upper  
96 100  
61 186.7 116.5 174.7#  
98 62.8 51.0 76.4





#13

Acrolein

Concen: 141.221 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

ClientSampled :

VN0401WBS01

Tot Ion: 56 Resp: 34537

Ion Ratio Lower Upper

56 100

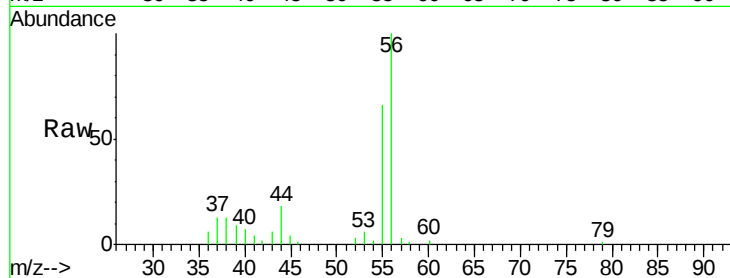
55 69.8 56.7 85.1

Manual Integrations

APPROVED

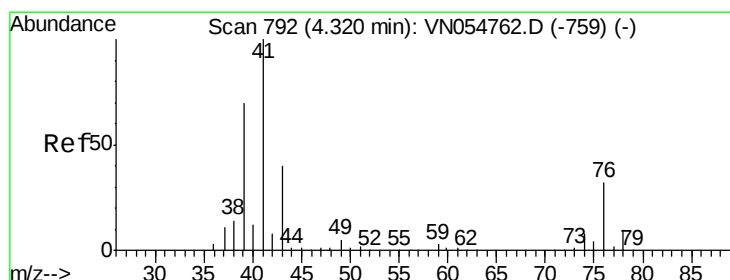
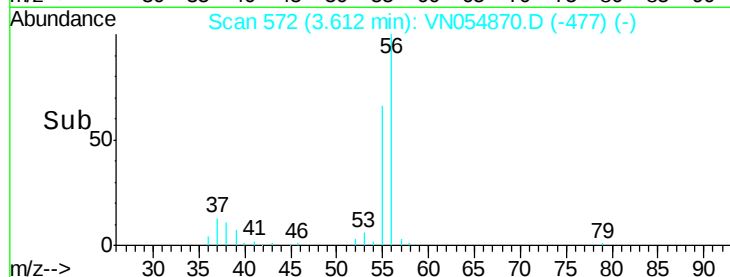
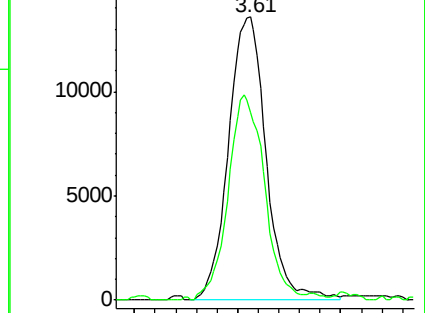
MMDadoda

4/2/2019 10:51:39 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.154 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

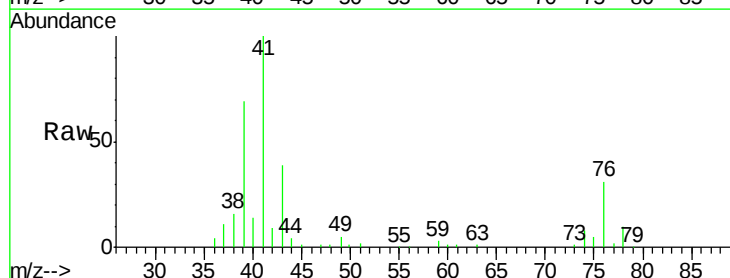
Tgt Ion: 41 Resp: 144448

Ion Ratio Lower Upper

41 100

39 67.3 58.2 87.4

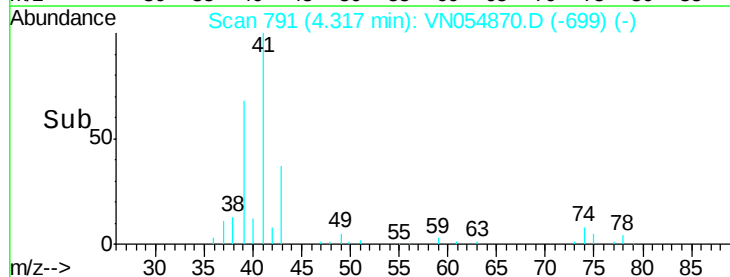
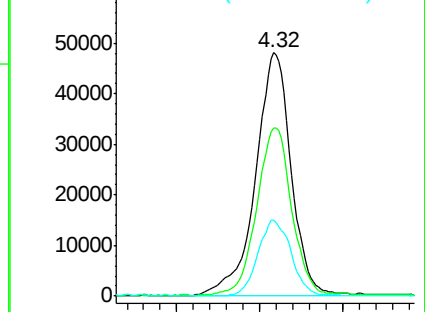
76 29.2 31.7 47.5#

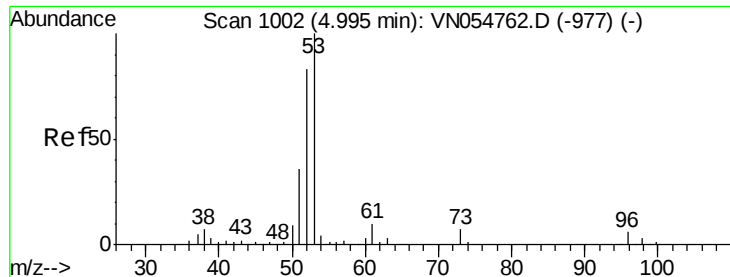


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





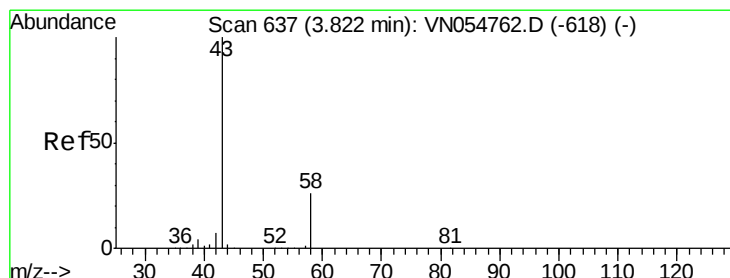
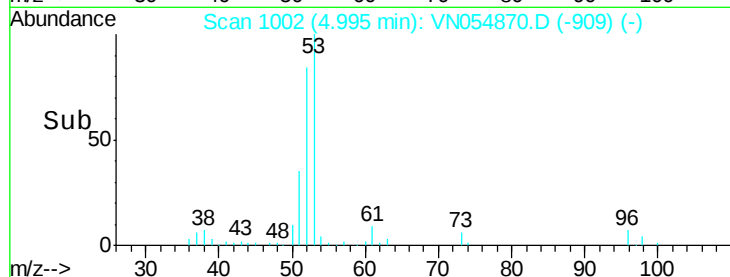
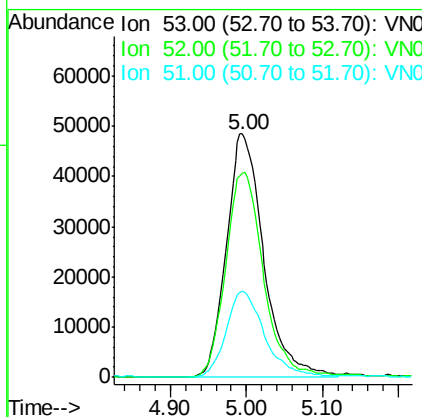
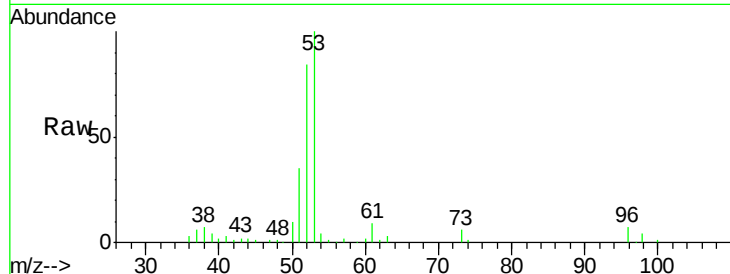
#15  
 Acrylonitrile  
 Concen: 109.041 ug/l  
 RT: 5.00 min Scan# 1002  
 Delta R.T. -0.00 min  
 Lab File: VN054870.D  
 Acq: 1 Apr 2019 13:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0401WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 84.6  | 66.4  | 99.6  |
| 51      | 36.7  | 29.6  | 44.4  |

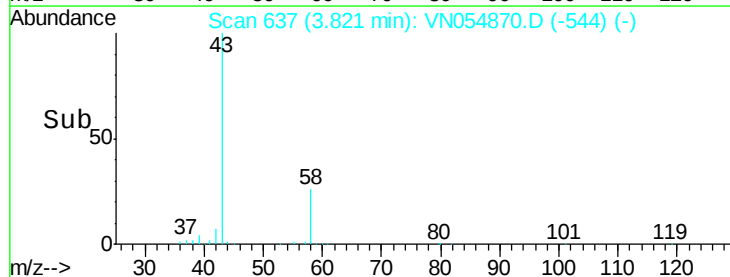
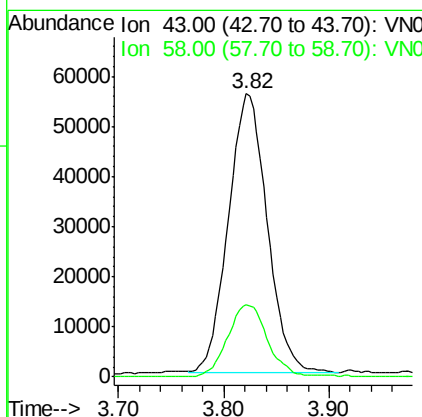
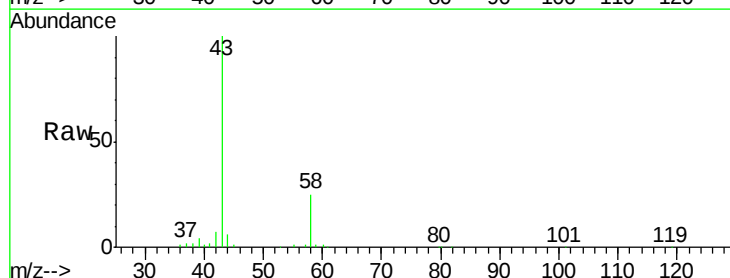
Manual Integrations  
 APPROVED

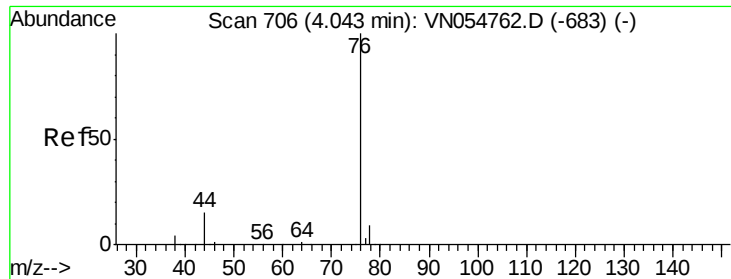
MMDadoda  
 4/2/2019 10:51:39 AM



#16  
 Acetone  
 Concen: 113.410 ug/l  
 RT: 3.82 min Scan# 637  
 Delta R.T. -0.00 min  
 Lab File: VN054870.D  
 Acq: 1 Apr 2019 13:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 25.5  | 29.9  | 44.9# |





#17

Carbon Disulfide

Concen: 17.258 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

ClientSampled :

VN0401WBS01

Tot Ion: 76 Resp: 171380

Ion Ratio Lower Upper

76 100

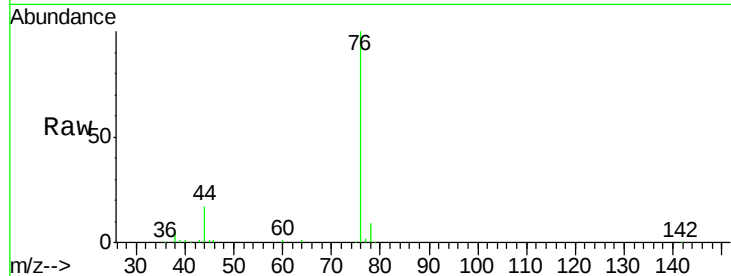
78 9.1 7.5 11.3

Manual Integrations

APPROVED

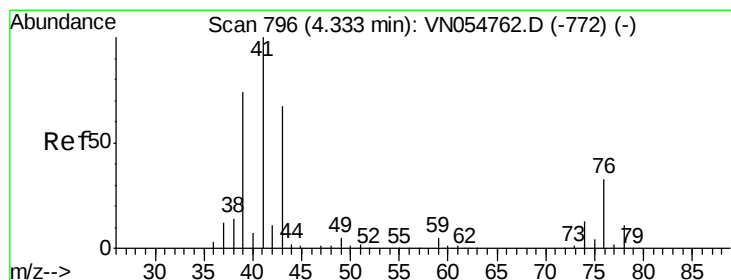
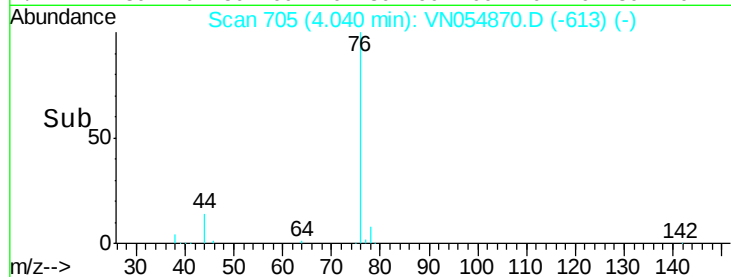
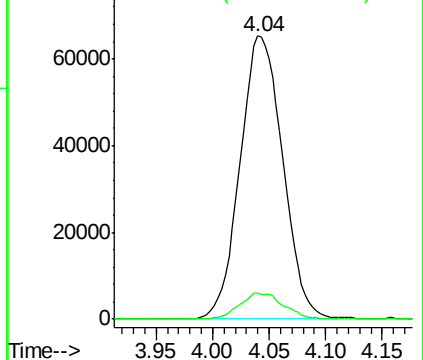
MMDadoda

4/2/2019 10:51:39 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.975 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054870.D

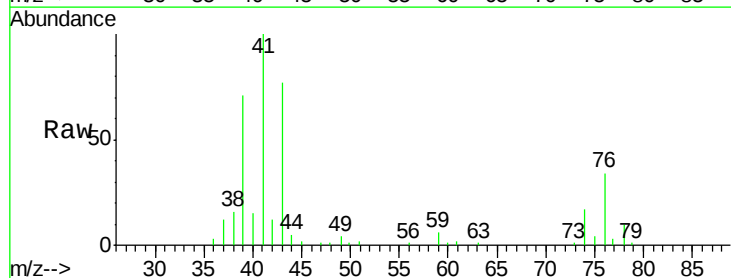
Acq: 1 Apr 2019 13:18

Tgt Ion: 43 Resp: 76546

Ion Ratio Lower Upper

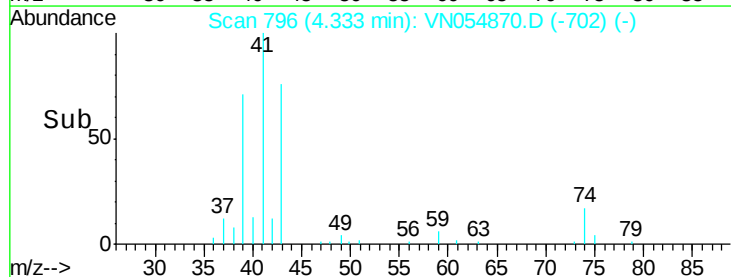
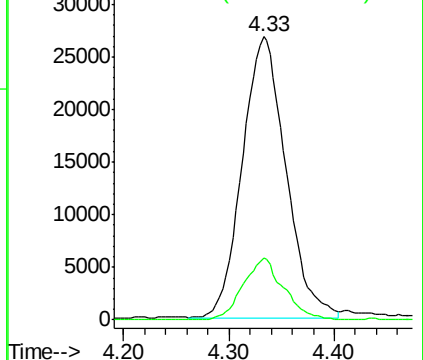
43 100

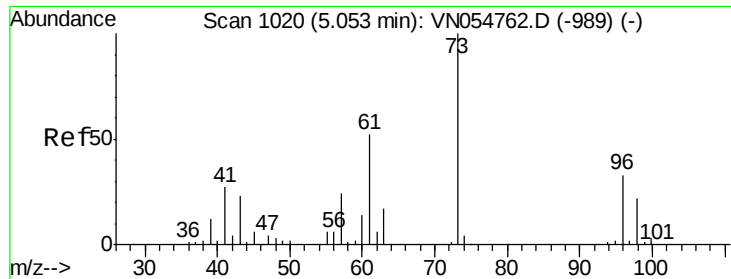
74 20.5 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





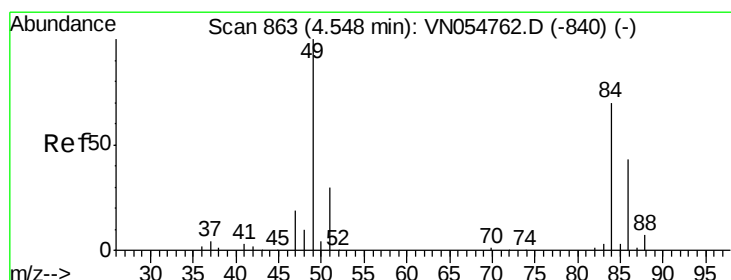
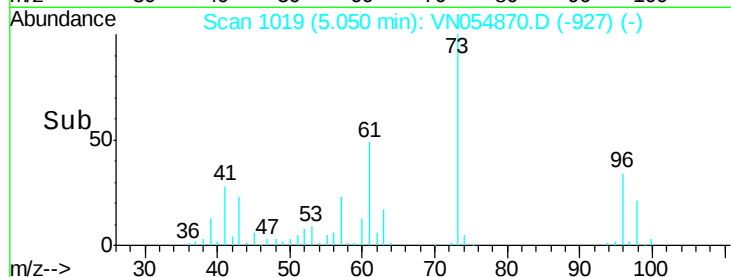
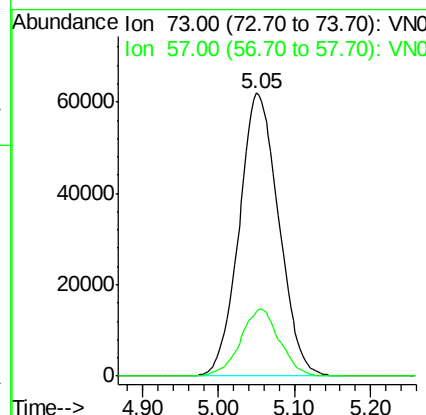
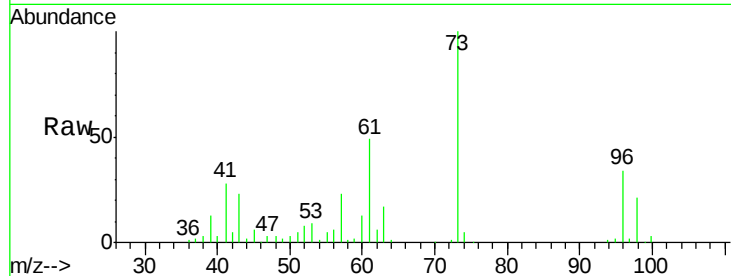
#19  
Methvl tert-butvl Ether  
Concen: 20.897 ug/l  
RT: 5.05 min Scan# 1019  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0401WBS01

Tot Ion: 73 Resp: 223798  
Ion Ratio Lower Upper  
73 100  
57 22.8 16.8 25.2

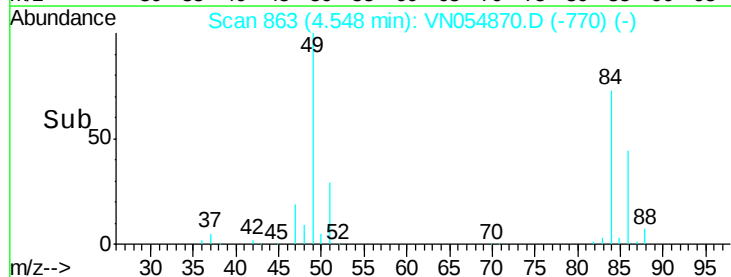
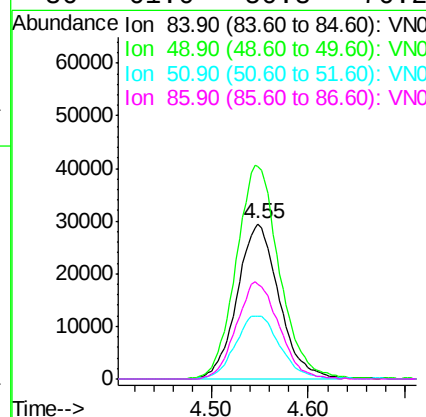
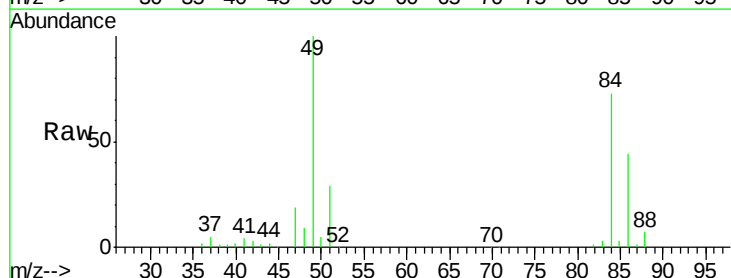
Manual Integrations  
APPROVED

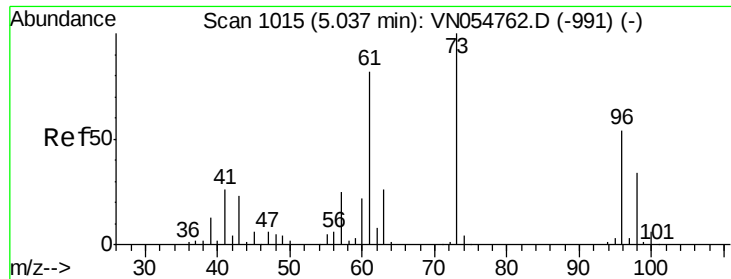
MMDadoda  
4/2/2019 10:51:39 AM



#20  
Methylene Chloride  
Concen: 20.080 ug/l  
RT: 4.55 min Scan# 863  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

Tgt Ion: 84 Resp: 88685  
Ion Ratio Lower Upper  
84 100  
49 136.4 89.7 134.5#  
51 40.3 28.2 42.4  
86 61.0 50.8 76.2





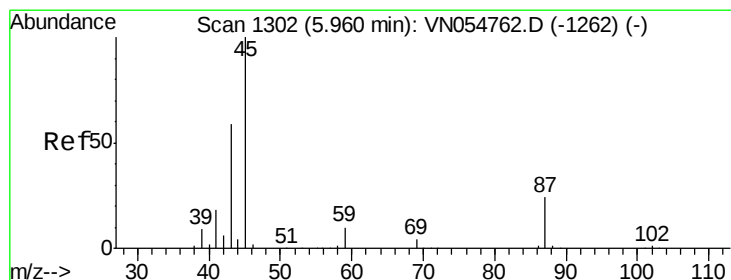
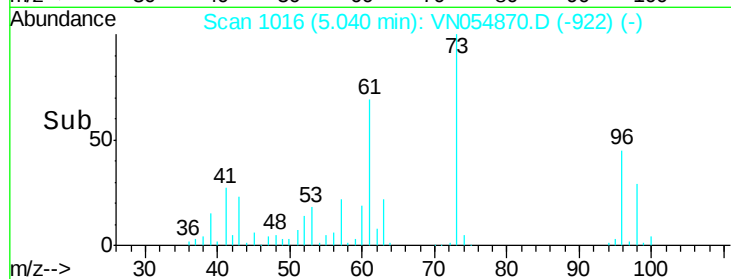
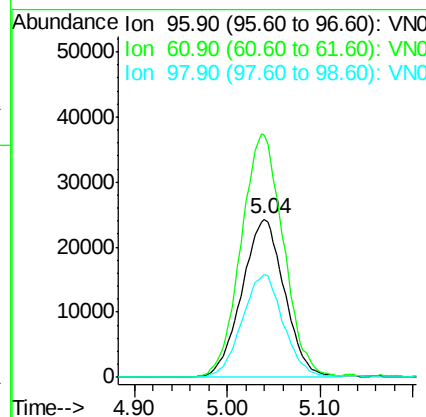
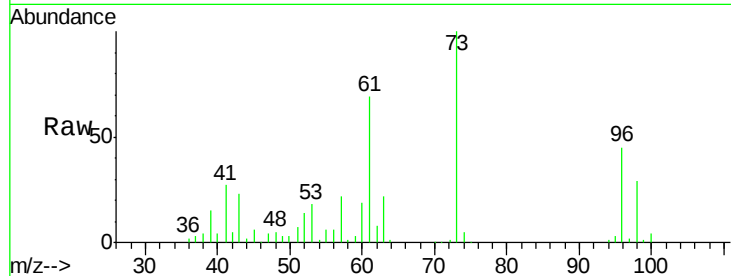
#21  
trans-1,2-Dichloroethene  
Concen: 19.294 ug/l  
RT: 5.04 min Scan# 1016  
Delta R.T. 0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0401WBS01

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   |       |       |       |
| 61      | 153.5 | 102.8 | 154.2 |       |
| 98      | 65.1  | 50.0  | 75.0  |       |

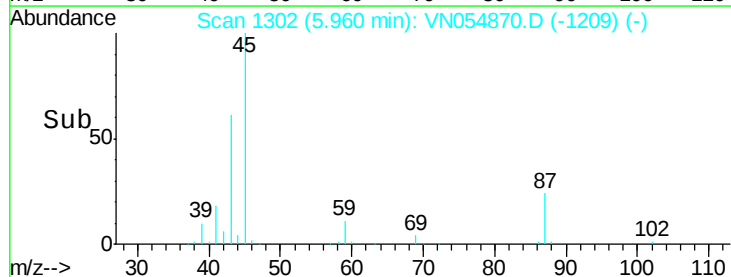
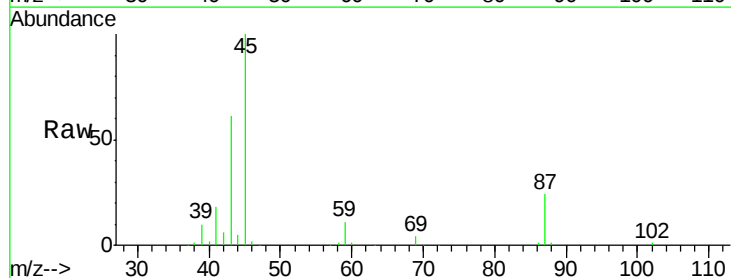
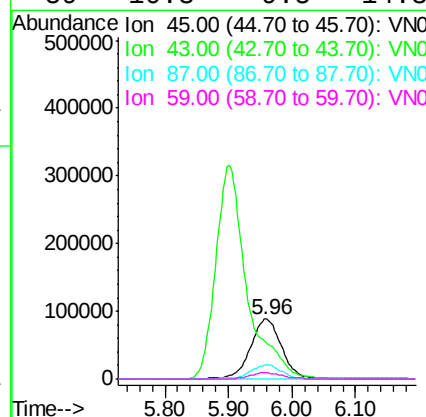
Manual Integrations  
APPROVED

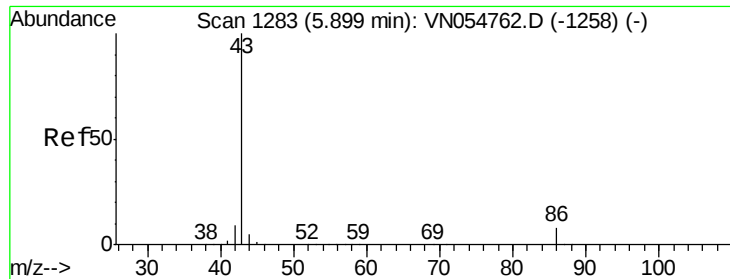
MMDadoda  
4/2/2019 10:51:39 AM



#22  
Diisopropyl ether  
Concen: 20.257 ug/l  
RT: 5.96 min Scan# 1302  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 45      | 100  |       |       |       |
| 43      | 58.8 | 48.2  | 72.2  |       |
| 87      | 23.8 | 24.9  | 37.3  |       |
| 59      | 10.3 | 9.5   | 14.3  |       |





#23

Vinyl Acetate

Concen: 104.028 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

ClientSampled :

VN0401WBS01

Tot Ion: 43 Resp: 1079779

Ion Ratio Lower Upper

43 100

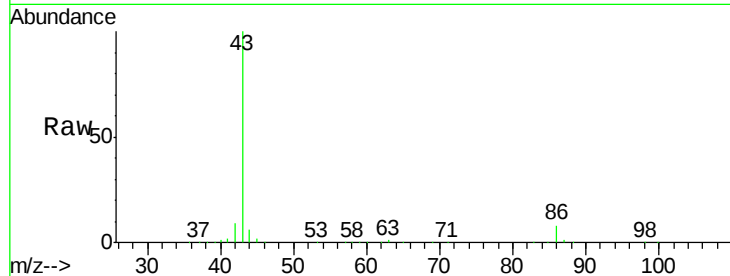
86 8.3 9.1 13.7#

Manual Integrations

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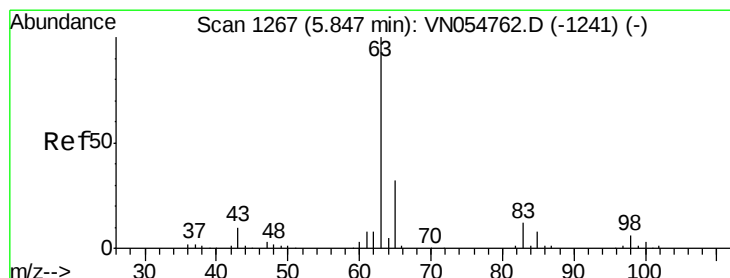
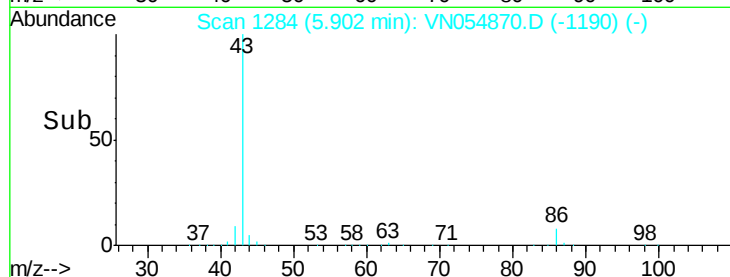
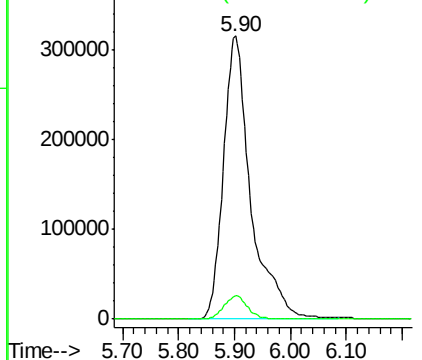
MMDadoda

4/2/2019 10:51:39 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.209 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

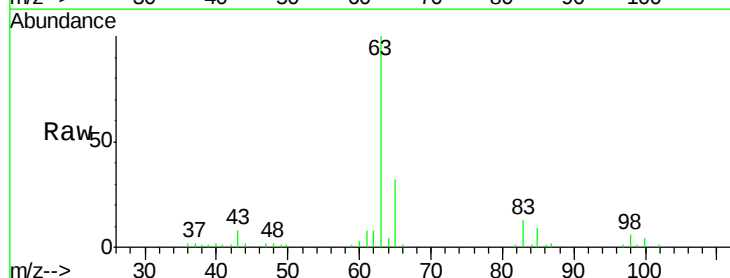
Tgt Ion: 63 Resp: 160796

Ion Ratio Lower Upper

63 100

98 5.6 3.5 10.5

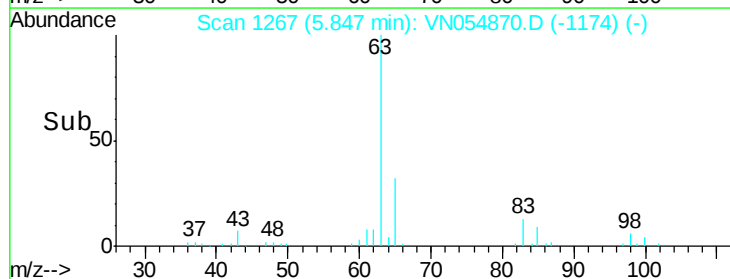
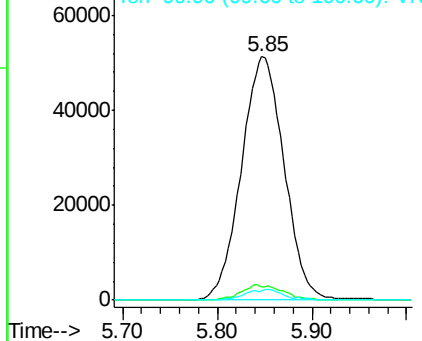
100 3.8 2.0 6.0

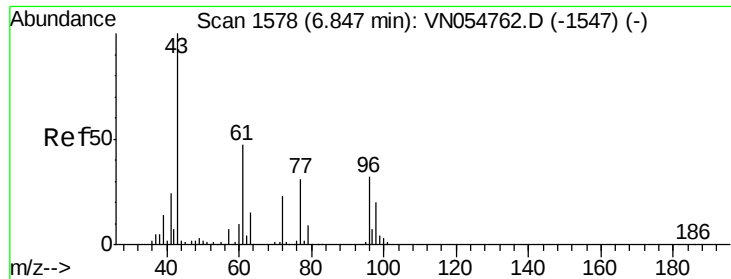


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 114.263 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

ClientSampled :

VN0401WBS01

Tot Ion: 43 Resp: 211477

Ion Ratio Lower Upper

43 100

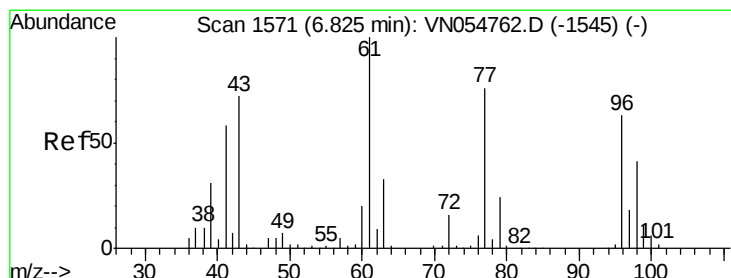
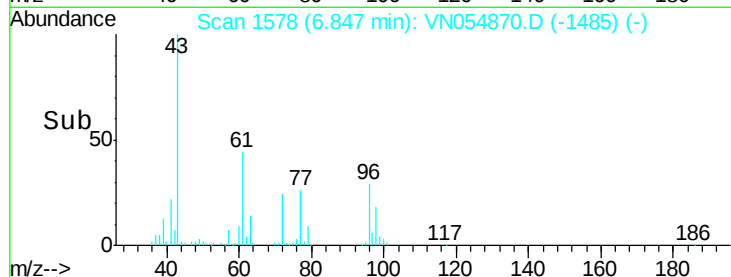
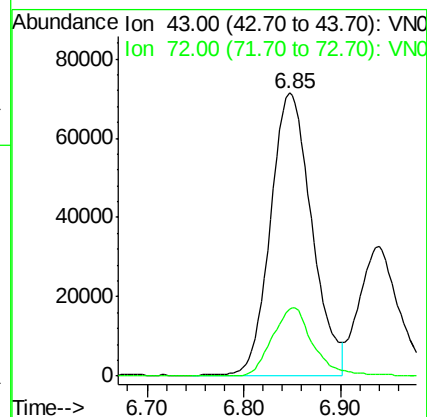
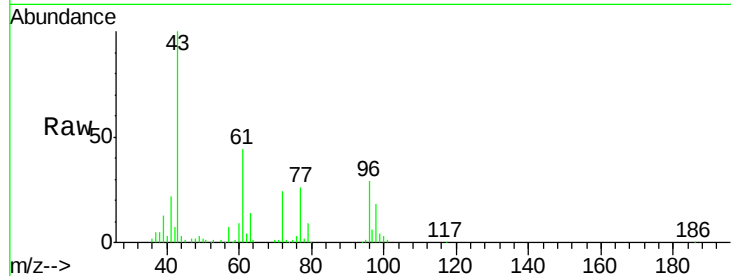
72 23.6 23.0 34.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.960 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054870.D

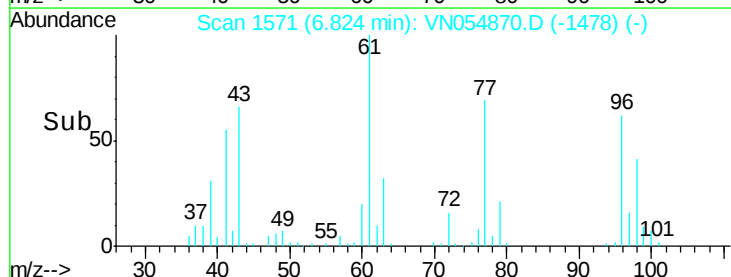
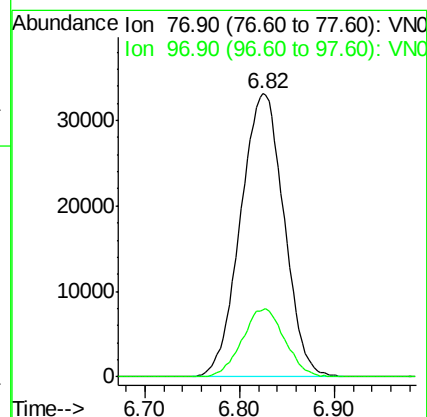
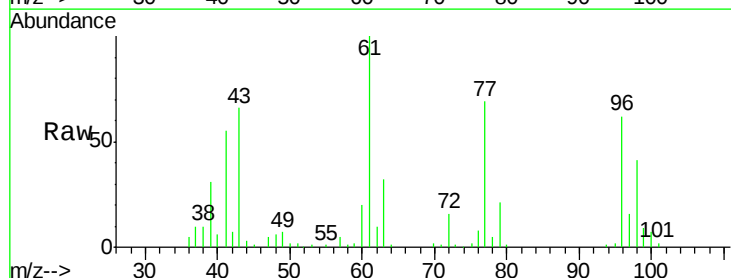
Acq: 1 Apr 2019 13:18

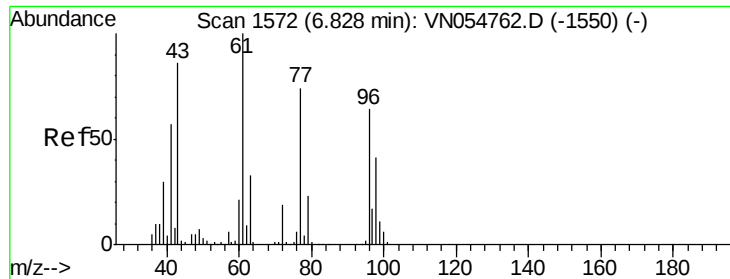
Tgt Ion: 77 Resp: 105731

Ion Ratio Lower Upper

77 100

97 23.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 19.955 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

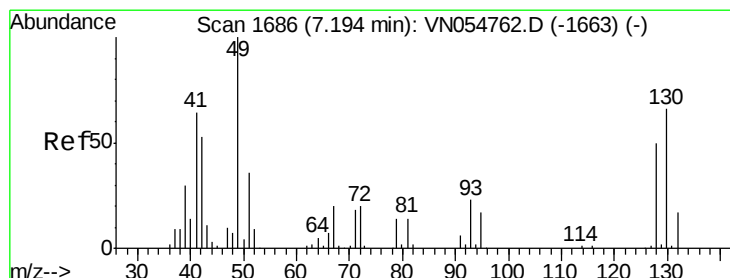
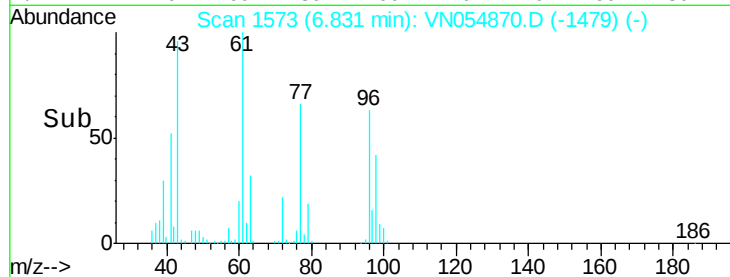
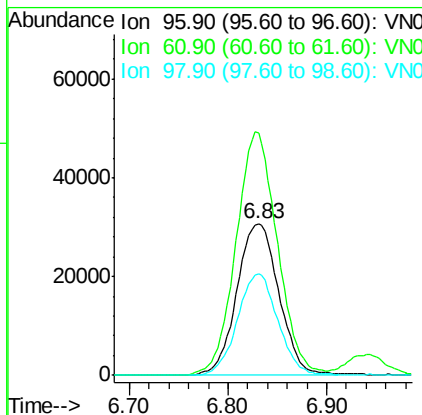
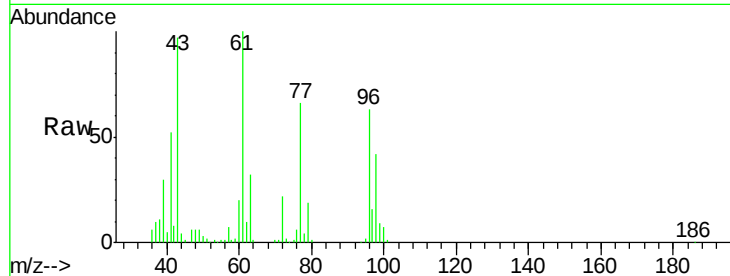
ClientSampleId :

VN0401WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 90656 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 157.9 | 0.0   | 273.0 |
| 98       | 64.6  | 0.0   | 130.6 |

Manual Integrations  
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4/2/2019 10:51:39 AM



#28

Bromochloromethane

Concen: 19.997 ug/l

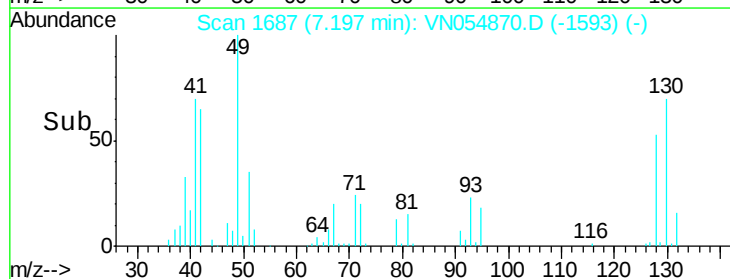
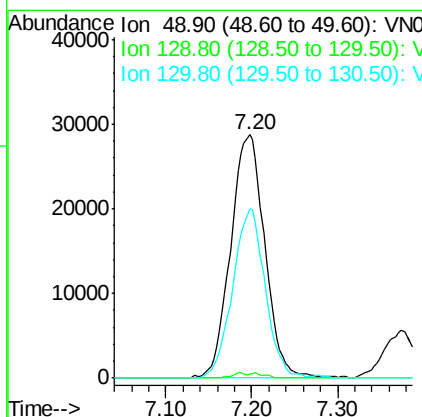
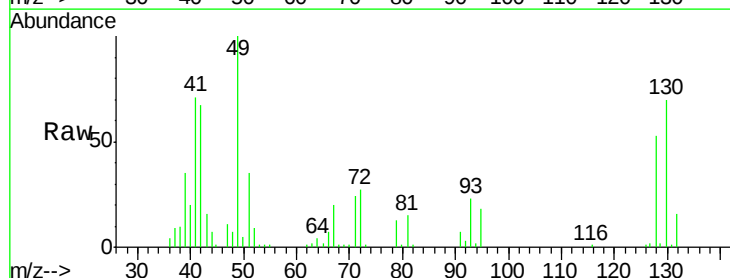
RT: 7.20 min Scan# 1687

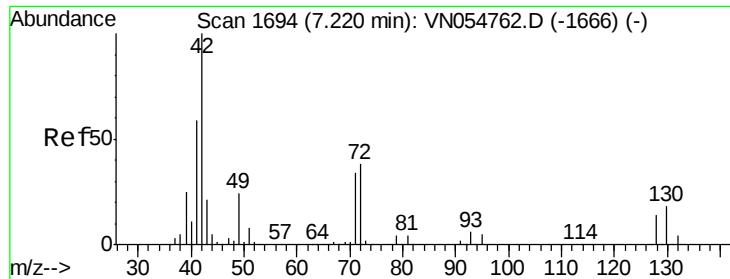
Delta R.T. 0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 79560  |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 0.8   | 0.0   | 4.6    |
| 130      | 65.8  | 76.7  | 115.1# |





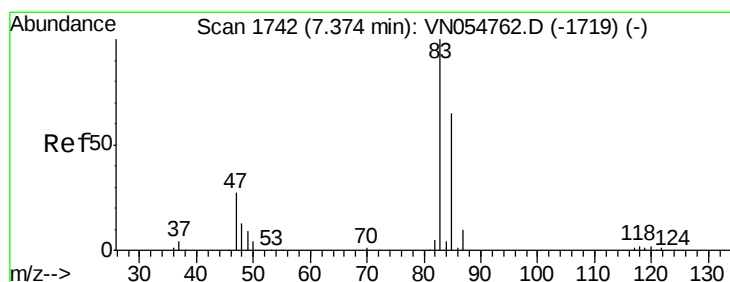
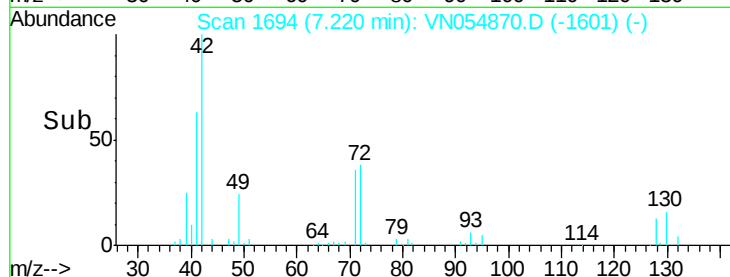
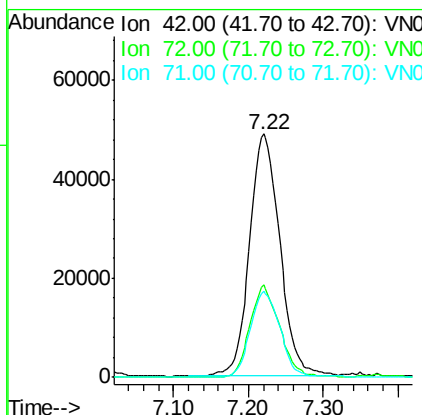
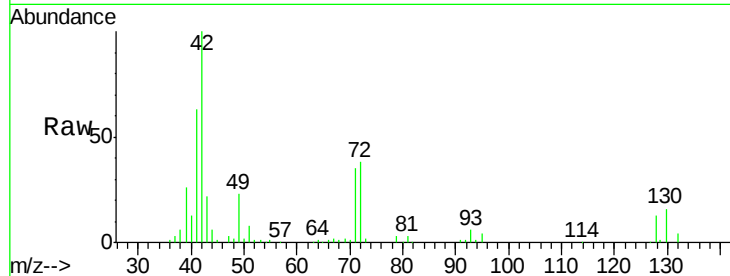
#29  
Tetrahydrofuran  
Concen: 107.767 ug/l  
RT: 7.22 min Scan# 1694  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0401WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 37.3  | 37.8  | 56.6# |
| 71      | 34.7  | 36.2  | 54.2# |

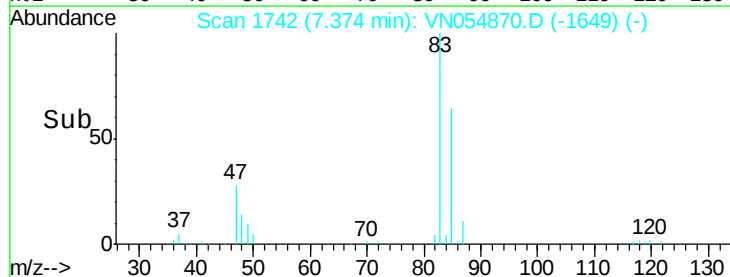
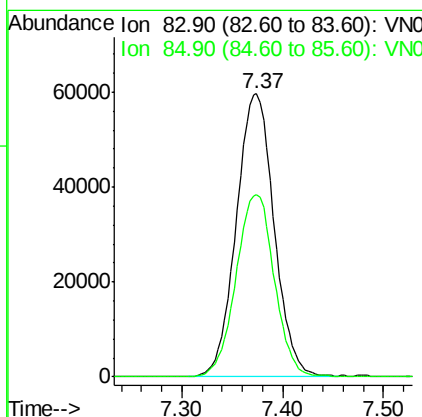
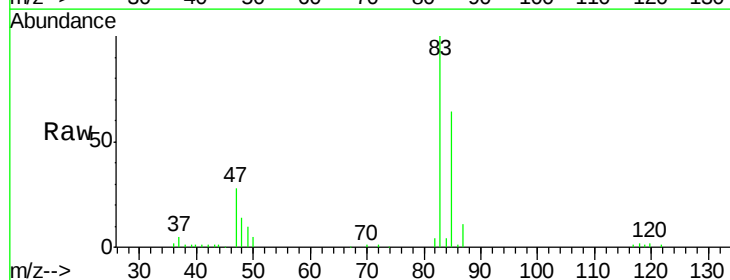
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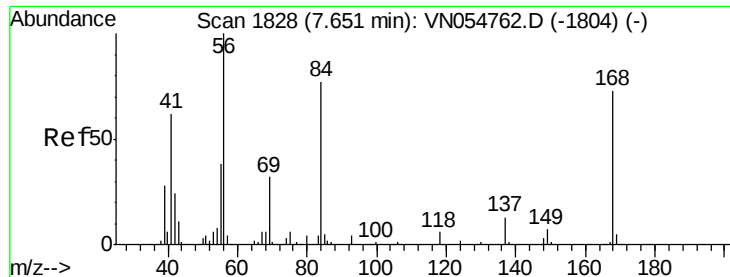
MMDadoda  
4/2/2019 10:51:39 AM



#30  
Chloroform  
Concen: 20.445 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.2  | 52.2  | 78.4  |





#31

Cyclohexane

Concen: 19.443 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0401WBS01

Tot Ion: 56 Resp: 150089

Ion Ratio Lower Upper

56 100

69 36.0 27.8 41.6

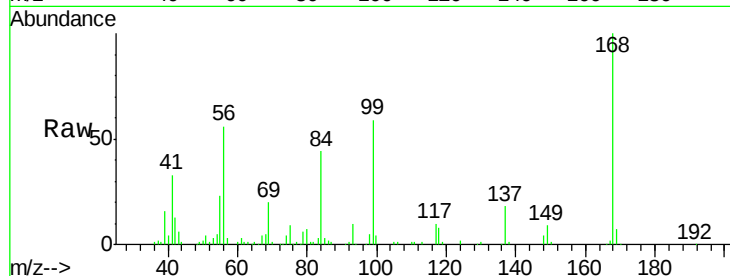
84 78.8 74.6 111.8

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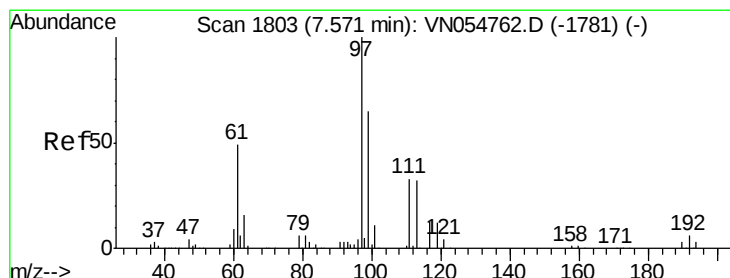
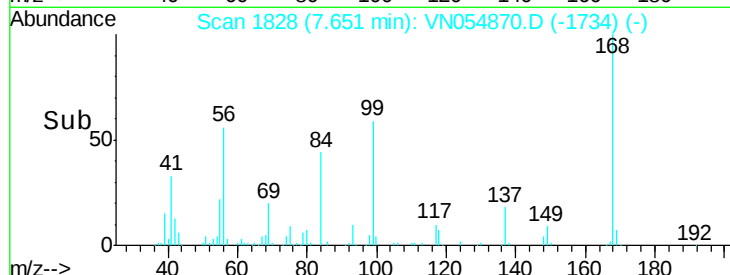
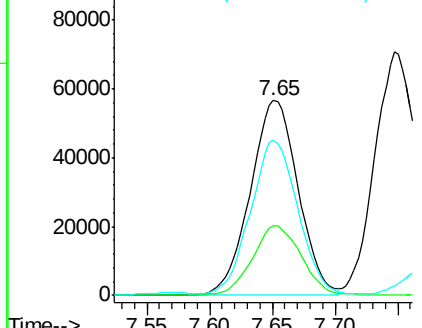
4/2/2019 10:51:39 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.945 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

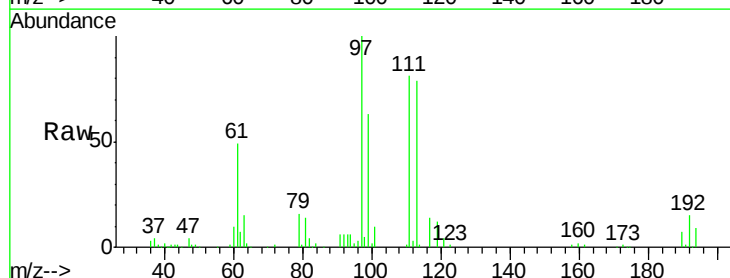
Tgt Ion: 97 Resp: 125400

Ion Ratio Lower Upper

97 100

99 63.4 51.5 77.3

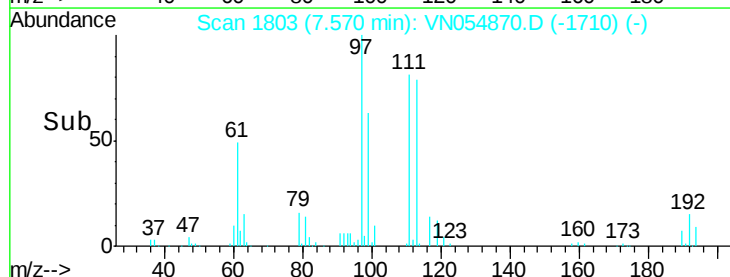
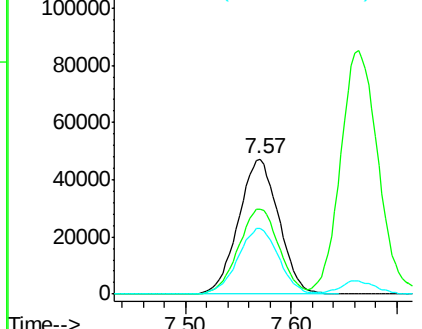
61 49.1 33.6 50.4

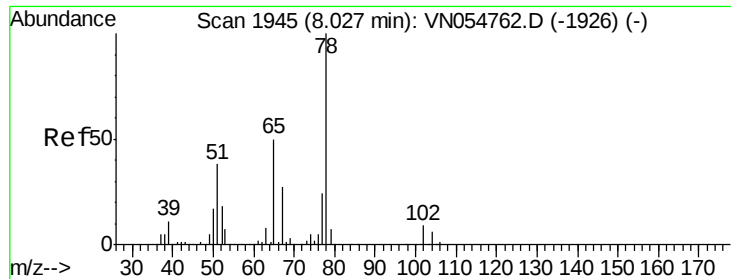


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 50.809 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

ClientSampled :

VN0401WBS01

Tot Ion: 65 Resp: 266774

Ion Ratio Lower Upper

65 100

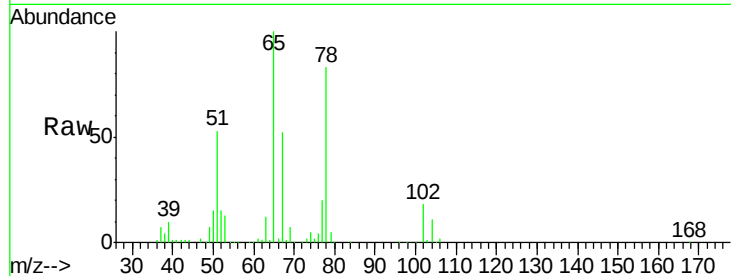
67 52.3 0.0 104.6

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Abundance Ion 64.90 (64.60 to 65.60): VN054870.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054870.D (-1852) (-)

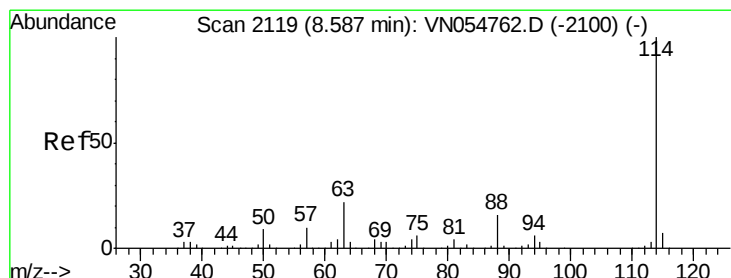
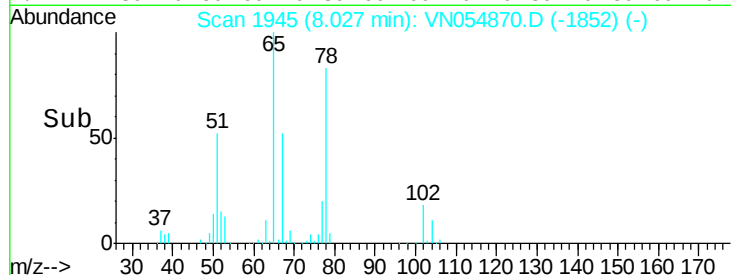
8.03

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

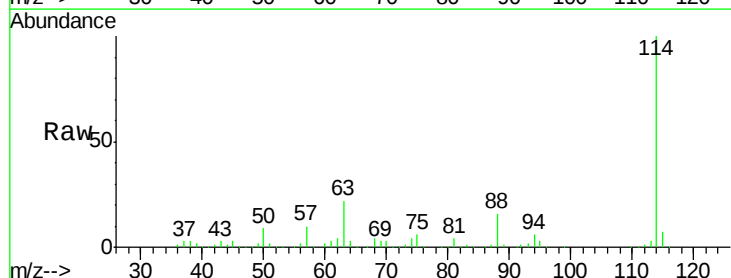
Tgt Ion: 114 Resp: 641666

Ion Ratio Lower Upper

114 100

63 22.2 0.0 35.2

88 16.0 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054870.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054870.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054870.D (-2026) (-)

8.59

400000

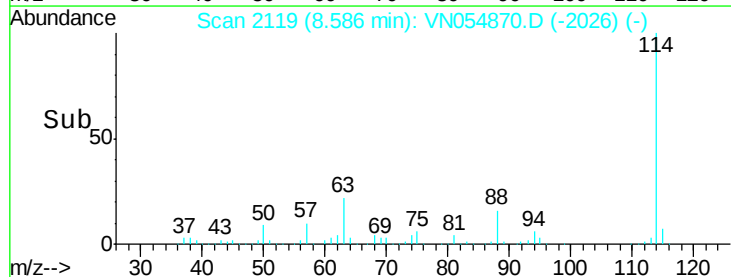
300000

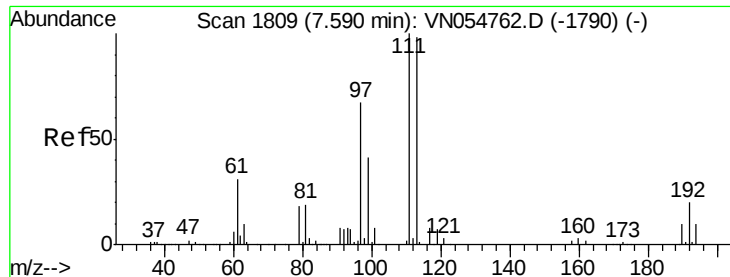
200000

100000

0

Time--> 8.50 8.60 8.70





#35

Dibromofluoromethane

Concen: 48.645 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

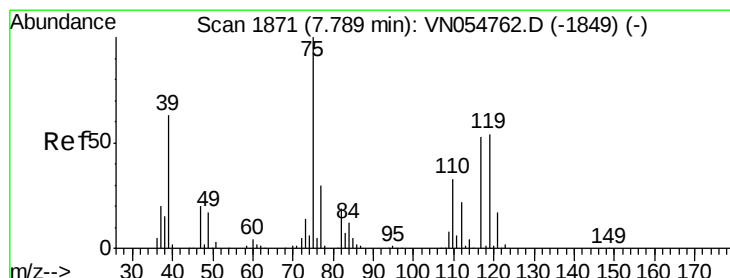
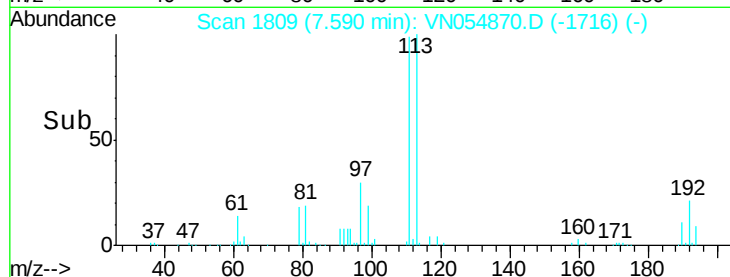
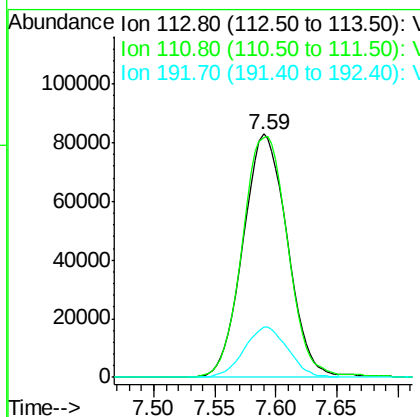
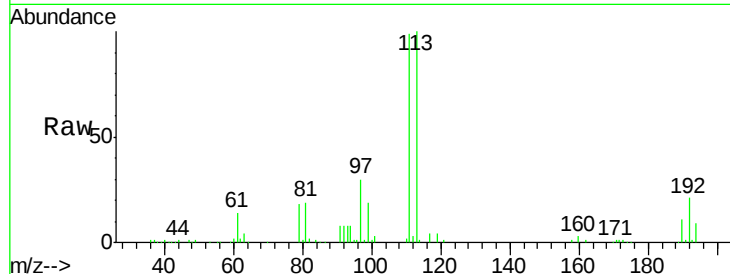
ClientSampled :

VN0401WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 208099 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.5 | 82.2  | 123.4  |
| 192       | 20.3  | 19.2  | 28.8   |

Manual Integrations  
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#36

1,1-Dichloropropene

Concen: 18.407 ug/l

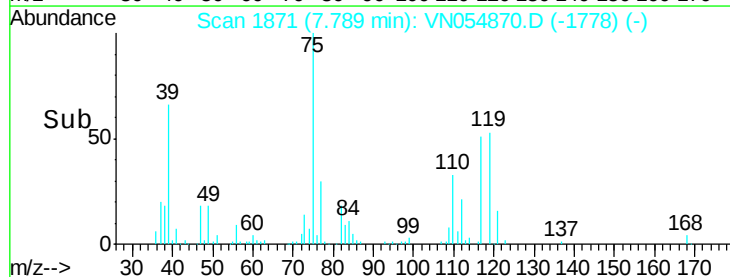
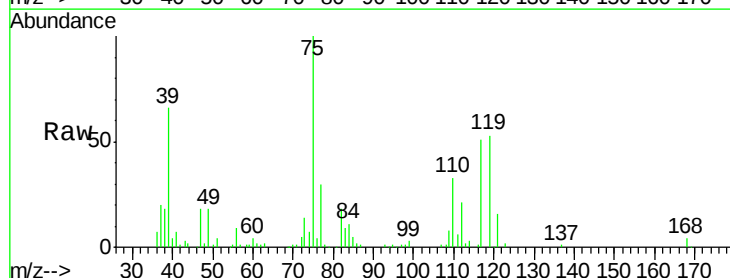
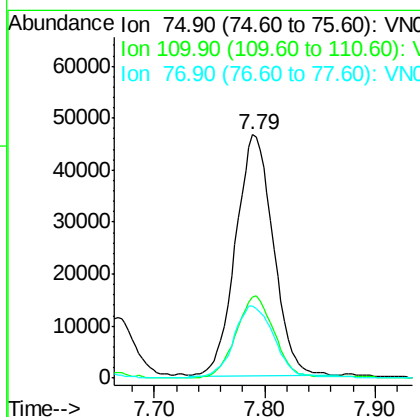
RT: 7.79 min Scan# 1871

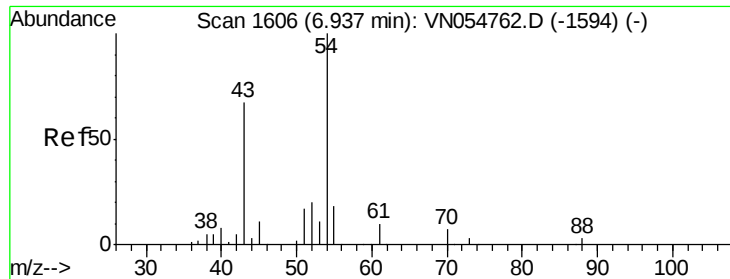
Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 110060 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 34.8  | 19.1  | 57.5   |
| 77        | 32.3  | 25.0  | 37.4   |





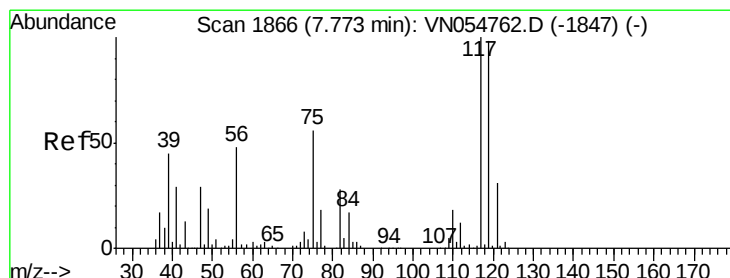
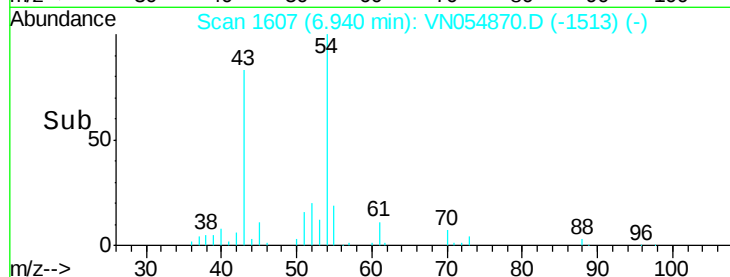
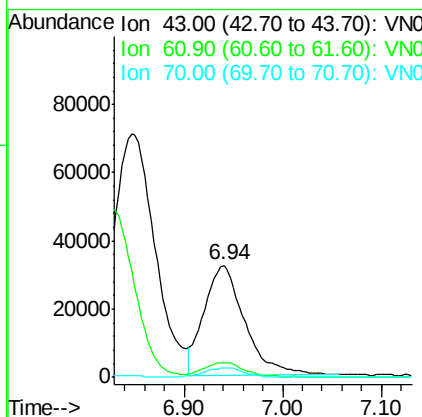
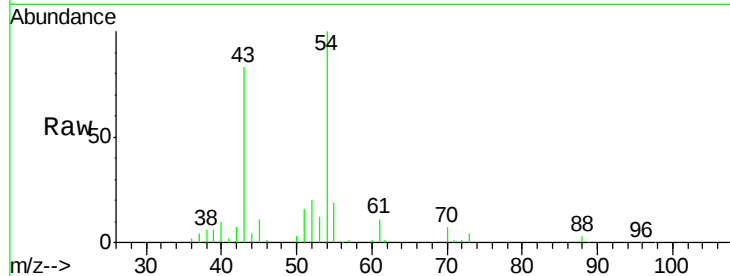
#37  
Ethyl Acetate  
Concen: 20.982 ug/l  
RT: 6.94 min Scan# 1607  
Delta R.T. 0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

Instrument :  
MSVOA\_N  
ClientSampleID :  
VN0401WBS01

| Tot Ion | 43    | 61    | 70   |
|---------|-------|-------|------|
| Resp    | 91997 |       |      |
| Ratio   | 100   | 11.4  | 8.7  |
| Lower   |       | 11.8  | 8.4  |
| Upper   |       | 17.6# | 12.6 |

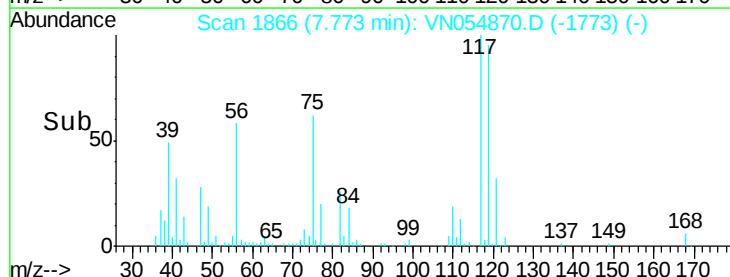
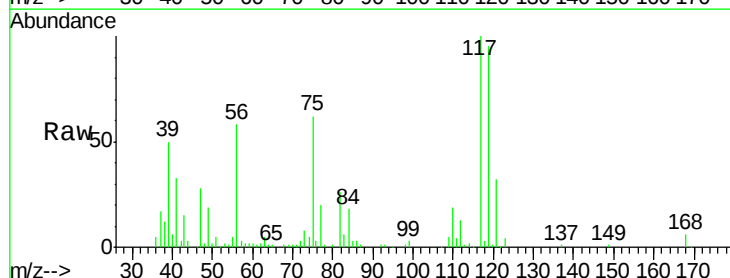
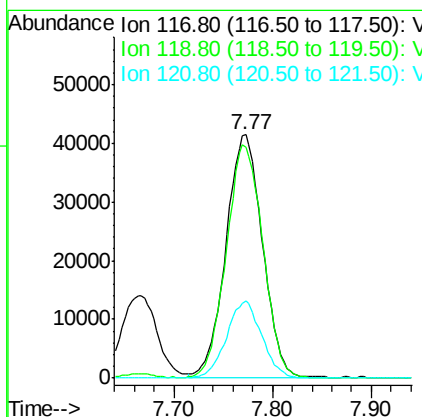
Manual Integrations  
APPROVED

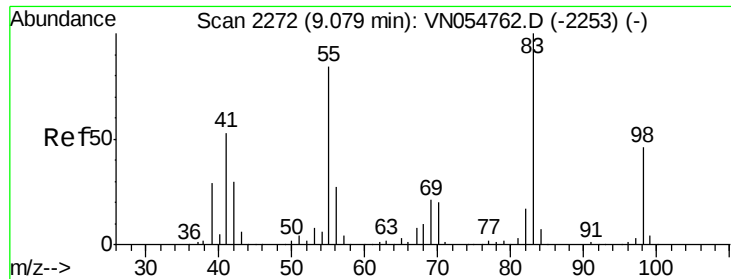
MMDadoda  
4/2/2019 10:51:39 AM



#38  
Carbon Tetrachloride  
Concen: 18.444 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

| Tgt Ion | 117    | 119   | 121  |
|---------|--------|-------|------|
| Resp    | 107112 |       |      |
| Ratio   | 100    | 95.0  | 31.7 |
| Lower   |        | 76.3  | 24.6 |
| Upper   |        | 114.5 | 36.8 |





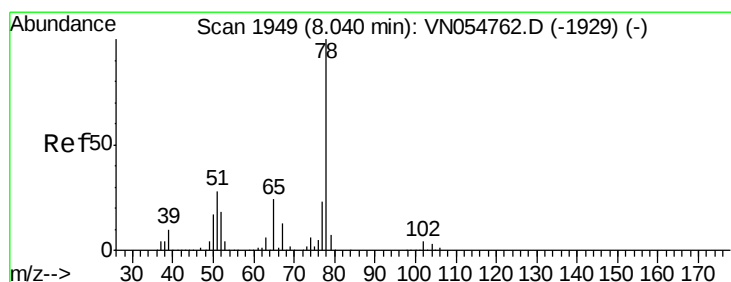
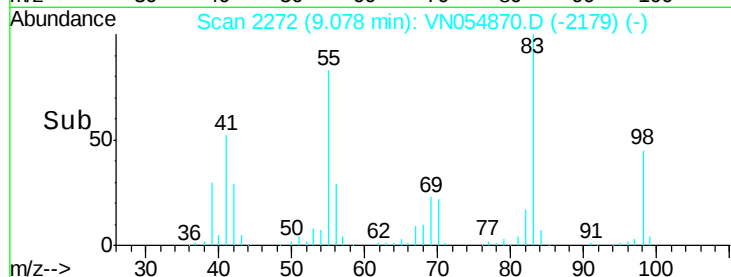
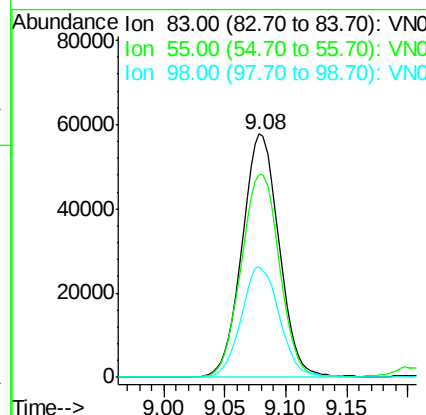
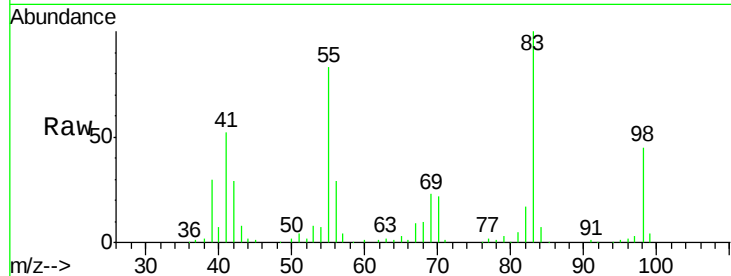
#39  
Methvlcvclohexane  
Concen: 18.459 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0401WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 121335 |       |       |
| 55      | 83.1  | 56.6   | 84.8  |       |
| 98      | 45.5  | 38.4   | 57.6  |       |

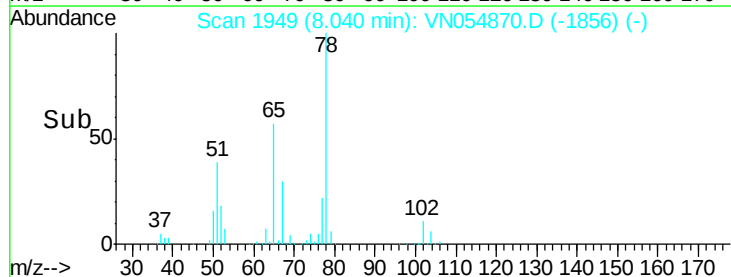
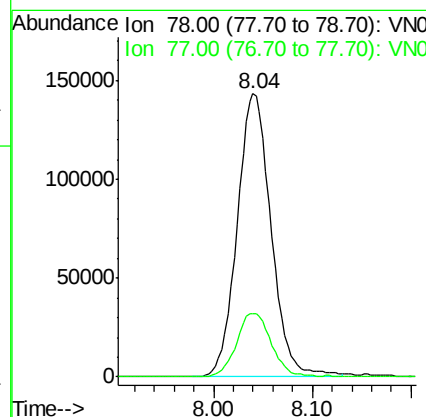
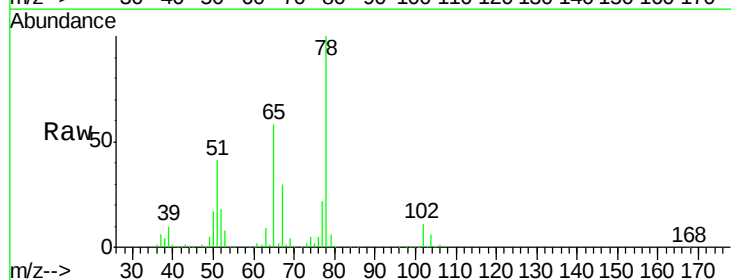
Manual Integrations  
APPROVED

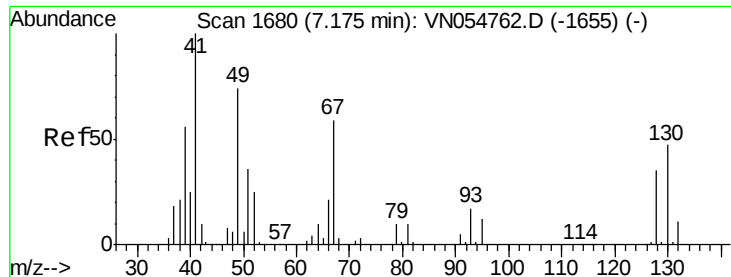
MMDadoda  
4/2/2019 10:51:39 AM



#40  
Benzene  
Concen: 19.991 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 342017 |       |       |
| 77      | 22.3  | 19.1   | 28.7  |       |





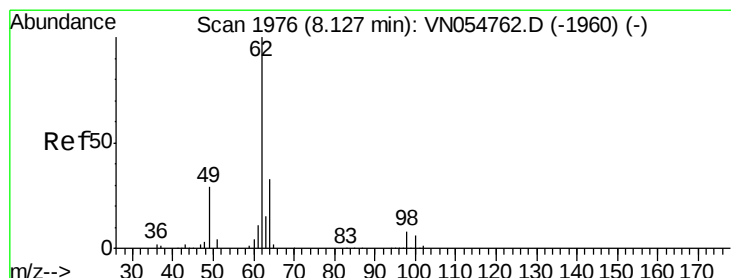
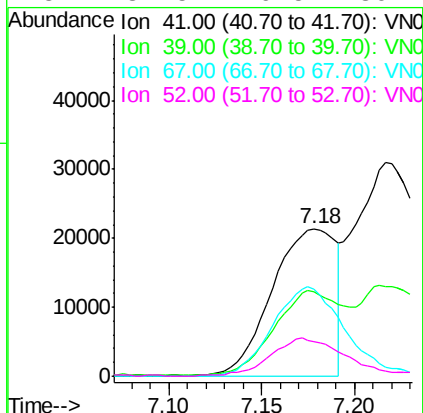
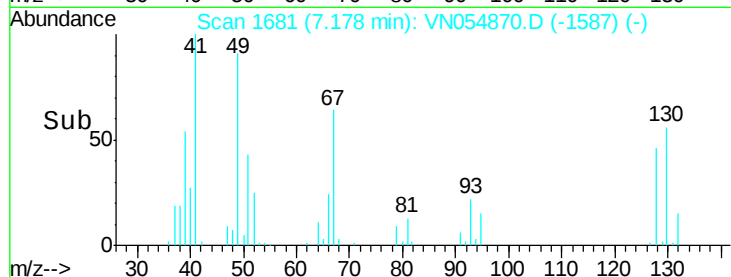
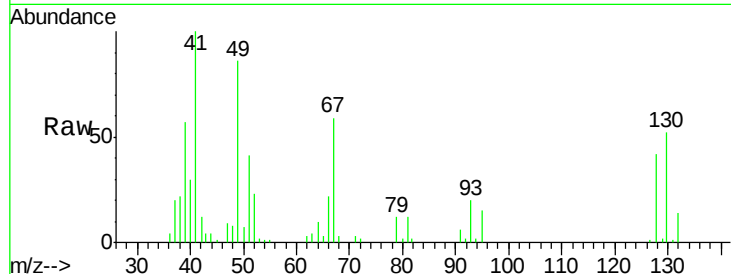
#41  
Methacrylonitrile  
Concen: 20.759 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0401WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 51130 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 64.3  | 46.8  | 70.2  |
| 67       | 69.7  | 67.0  | 100.4 |
| 52       | 31.5  | 26.5  | 39.7  |

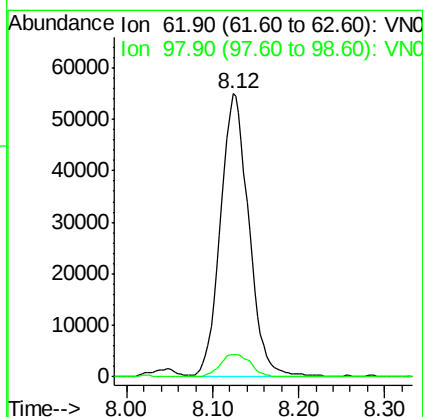
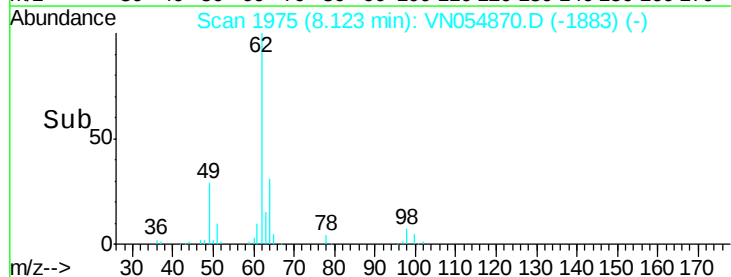
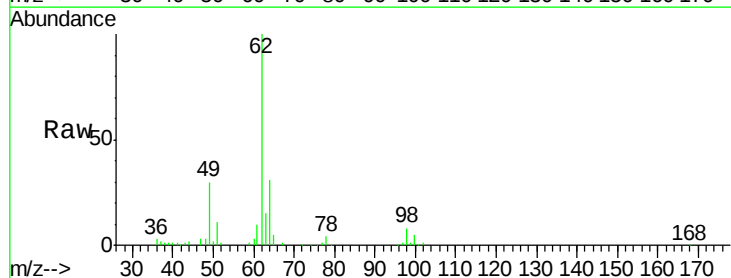
Manual Integrations  
APPROVED

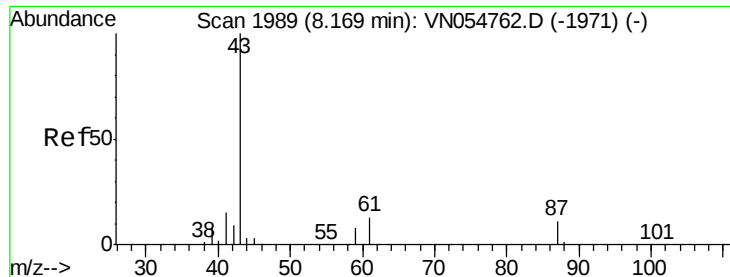
MMDadoda  
4/2/2019 10:51:39 AM



#42  
1,2-Dichloroethane  
Concen: 20.584 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 125741 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.5   | 0.0   | 18.4   |





#43

Isopropyl Acetate

Concen: 21.480 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

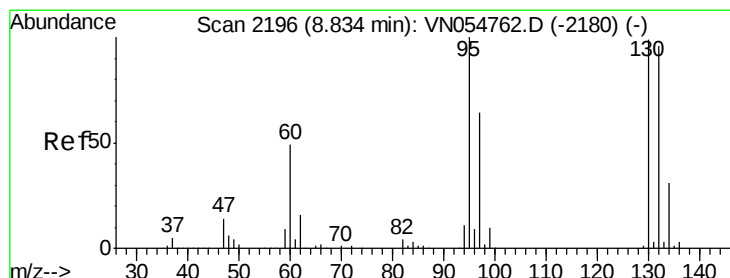
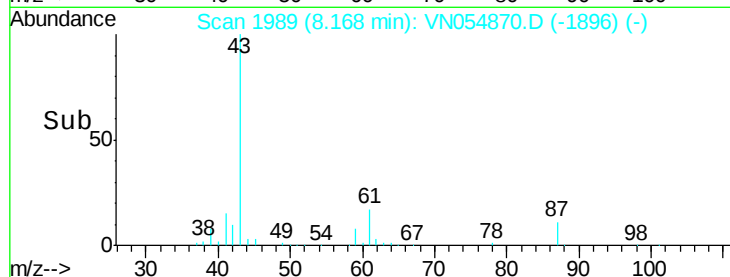
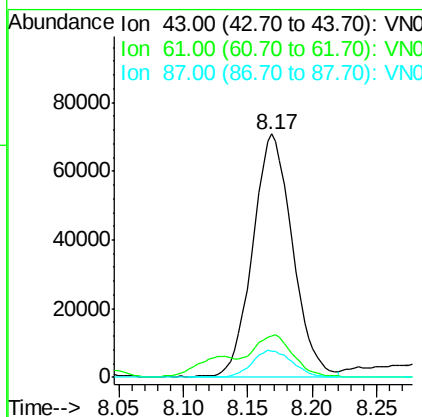
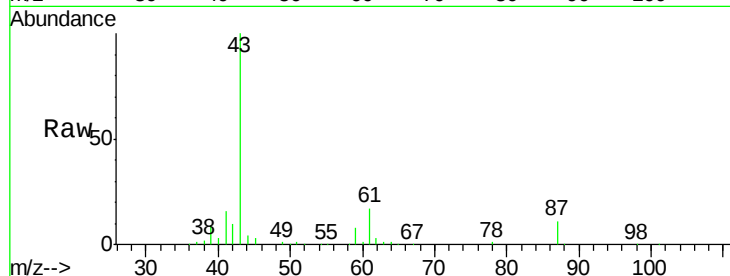
ClientSampleId :

VN0401WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 153032 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 16.7  | 15.8  | 23.8   |
| 87       | 11.3  | 12.0  | 18.0#  |

Manual Integrations  
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MMDadoda  
4/2/2019 10:51:39 AM



#44

Trichloroethene

Concen: 19.691 ug/l

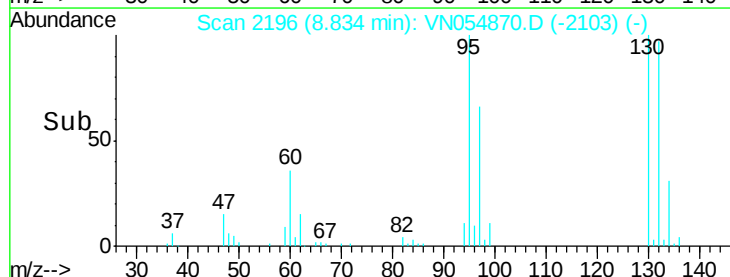
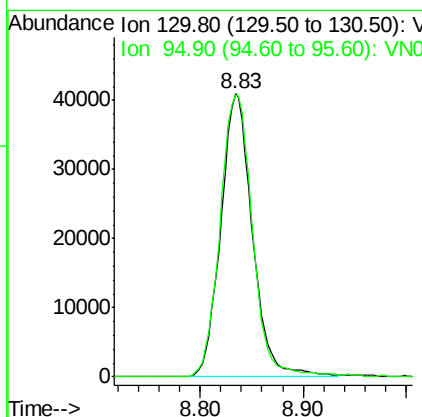
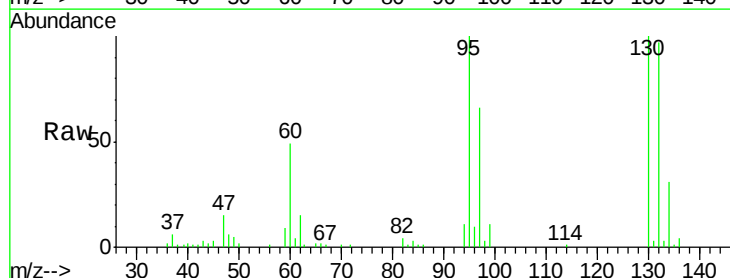
RT: 8.83 min Scan# 2196

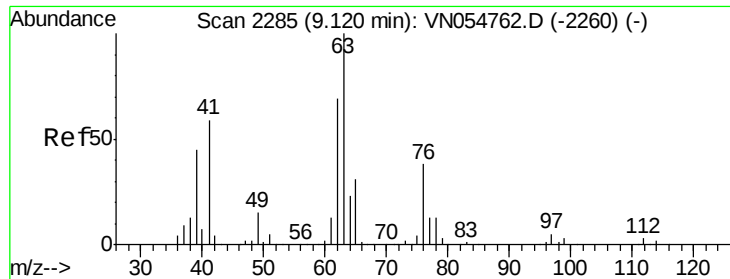
Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 87451 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 99.8  | 0.0   | 185.2 |





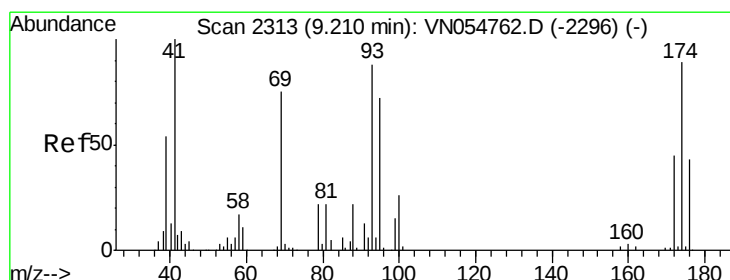
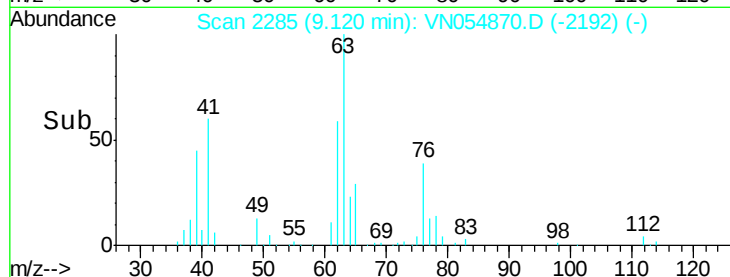
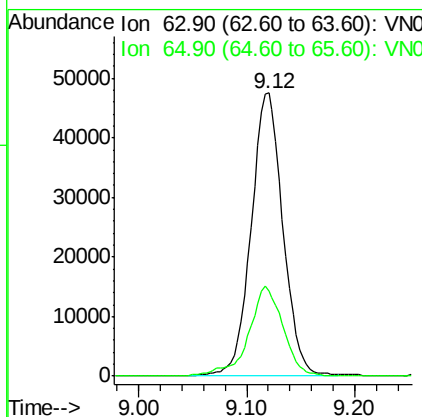
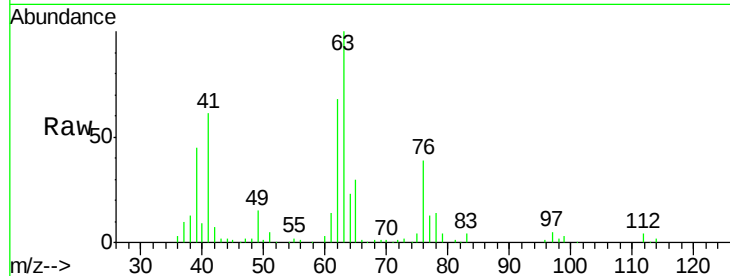
#45  
 1,2-Dichloropropane  
 Concen: 19.909 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. -0.00 min  
 Lab File: VN054870.D  
 Acq: 1 Apr 2019 13:18

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0401WBS01

Tot Ion: 63 Resp: 97121  
 Ion Ratio Lower Upper  
 63 100  
 65 30.2 25.0 37.6

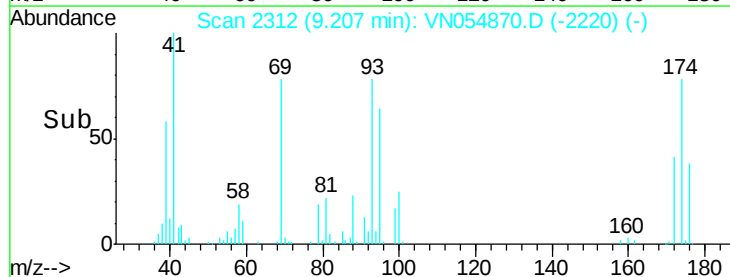
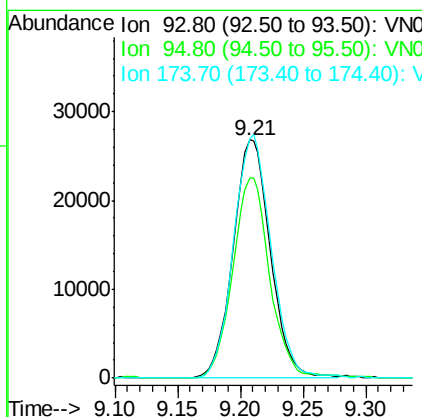
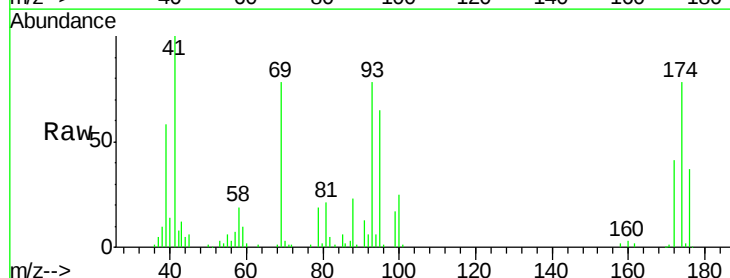
Manual Integrations  
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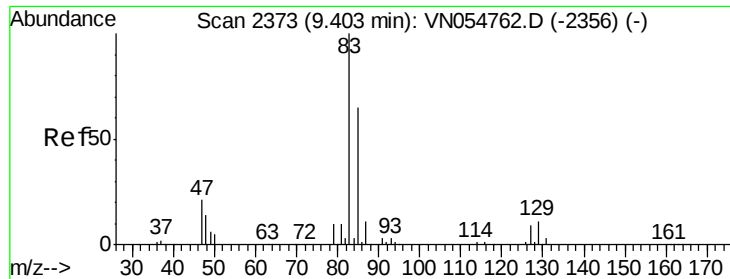
MMDadoda  
 4/2/2019 10:51:39 AM



#46  
 Dibromomethane  
 Concen: 20.253 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. -0.00 min  
 Lab File: VN054870.D  
 Acq: 1 Apr 2019 13:18

Tgt Ion: 93 Resp: 55579  
 Ion Ratio Lower Upper  
 93 100  
 95 82.8 66.7 100.1  
 174 102.0 98.5 147.7





#47

Bromodichloromethane

Concen: 19.852 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

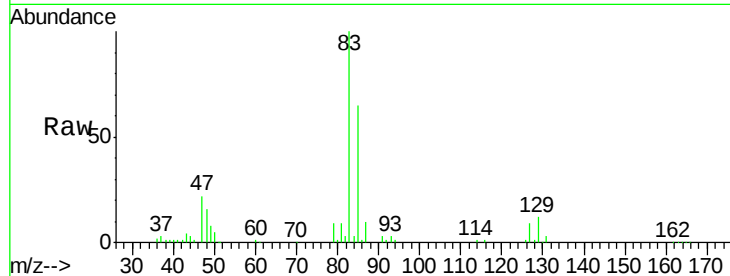
ClientSampleId :

VN0401WBS01

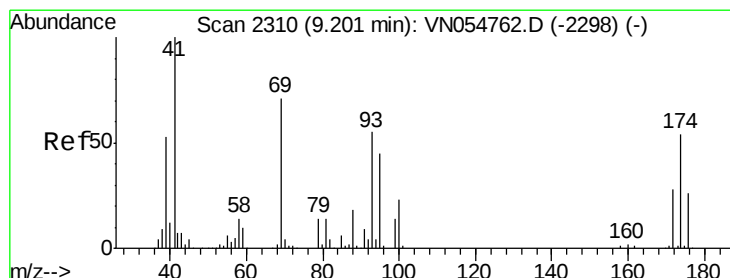
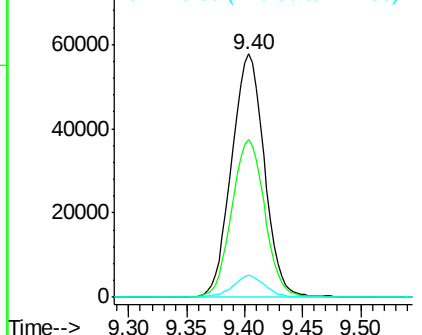
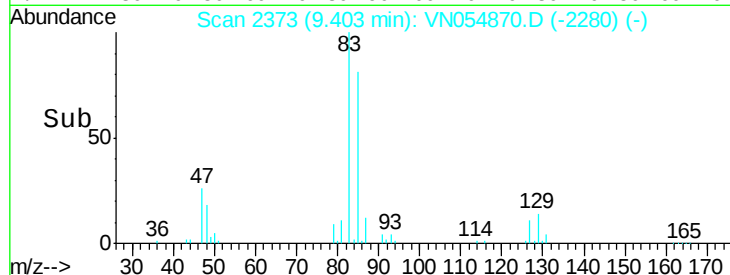
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 113220 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.9  | 52.8  | 79.2   |
| 127       | 8.9   | 7.4   | 11.2   |

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MMDadoda  
4/2/2019 10:51:39 AM



Abundance Ion 82.90 (82.60 to 83.60): VN054870.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.410 ug/l

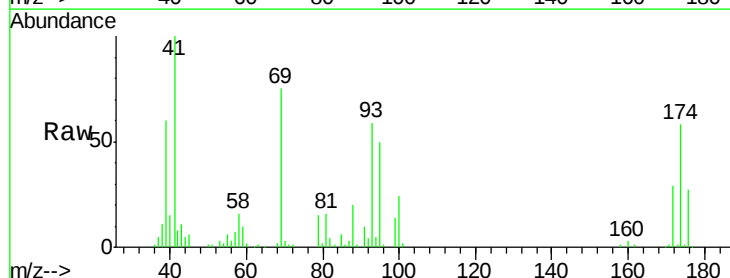
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

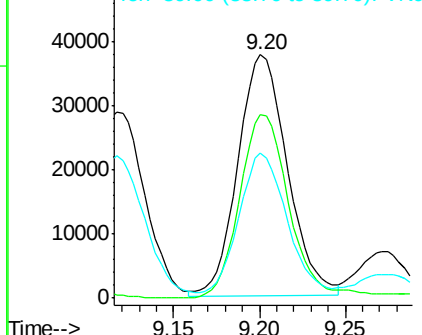
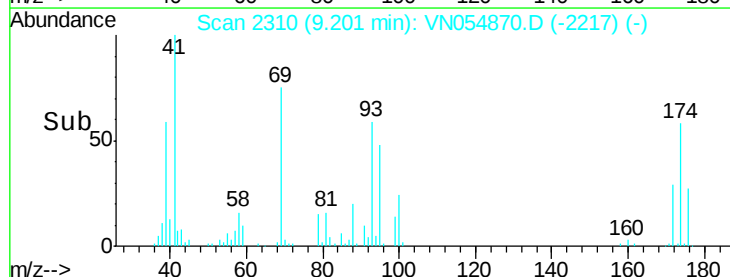
Lab File: VN054870.D

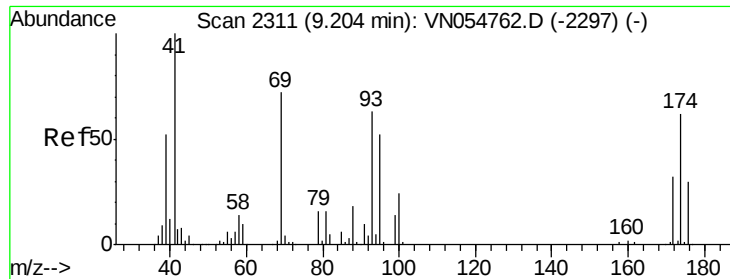
Acq: 1 Apr 2019 13:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 74961 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 76.8  | 72.6  | 108.8 |
| 39        | 58.1  | 47.5  | 71.3  |



Abundance Ion 41.00 (40.70 to 41.70): VN054870.D (-2217) (-)





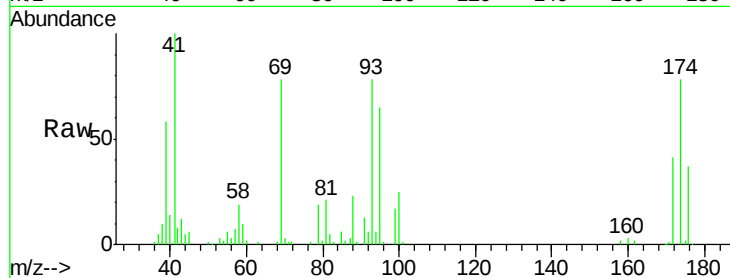
#49  
1,4-Dioxane  
Concen: 447.505 ug/l  
RT: 9.21 min Scan# 2312  
Delta R.T. 0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0401WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 48.4  | 24.1  | 36.1# |
| 58      | 82.7  | 50.8  | 76.2# |

Manual Integrations  
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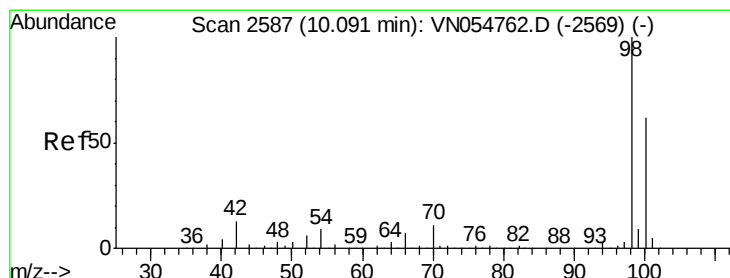
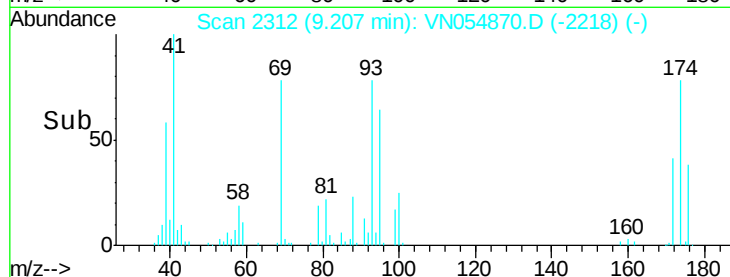
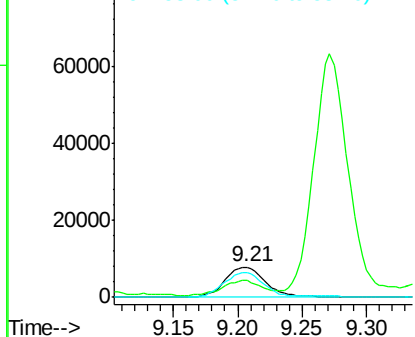
MMDadoda  
4/2/2019 10:51:39 AM



Abundance Ion 88.00 (87.70 to 88.70): VN054870.D (-2218) (-)

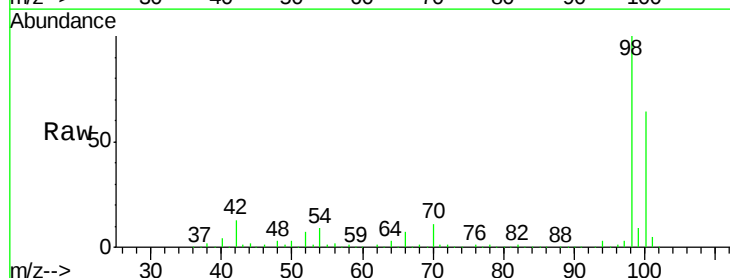
Ion 43.00 (42.70 to 43.70): VN054870.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN054870.D (-2218) (-)



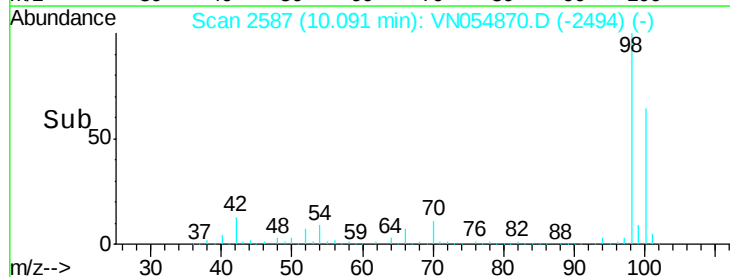
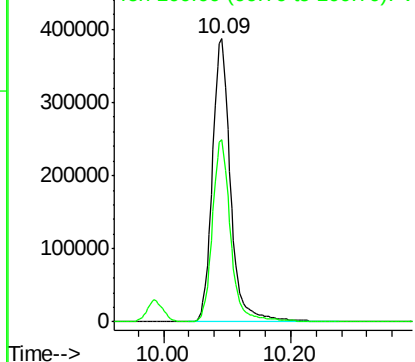
#50  
Toluene-d8  
Concen: 48.394 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

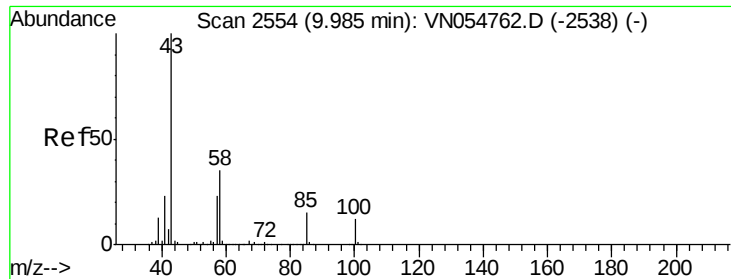
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.7  | 51.2  | 76.8  |



Abundance Ion 98.00 (97.70 to 98.70): VN054870.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN054870.D (-2494) (-)





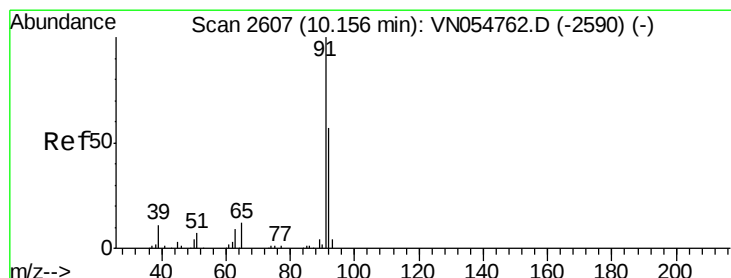
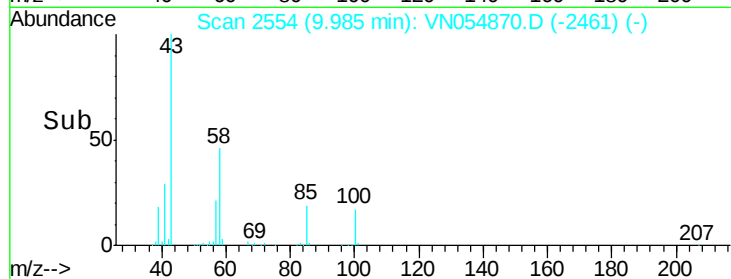
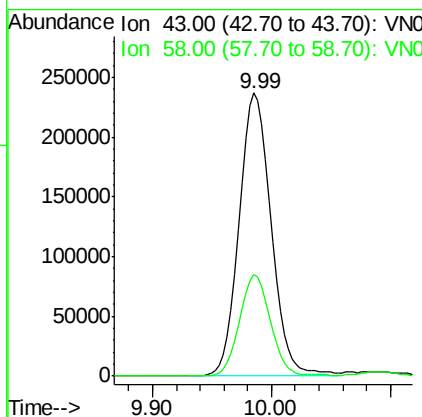
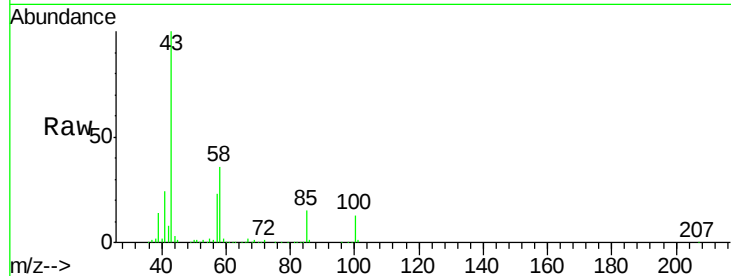
#51  
 4-Methyl-2-Pentanone  
 Concen: 109.869 ug/l  
 RT: 9.99 min Scan# 2554  
 Delta R.T. -0.00 min  
 Lab File: VN054870.D  
 Acq: 1 Apr 2019 13:18

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0401WBS01

Tot Ion: 43 Resp: 440079  
 Ion Ratio Lower Upper  
 43 100  
 58 35.0 31.8 47.6

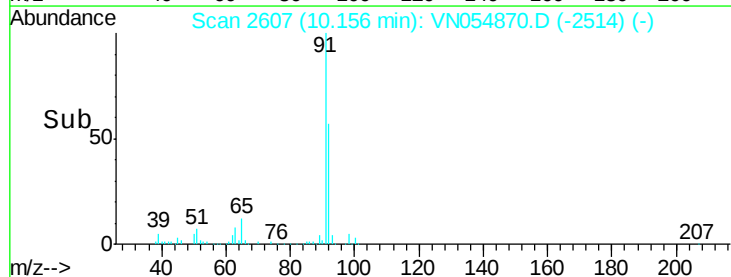
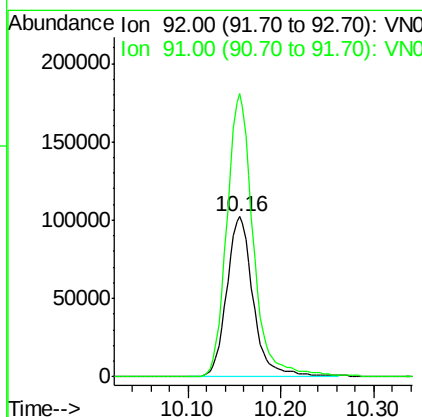
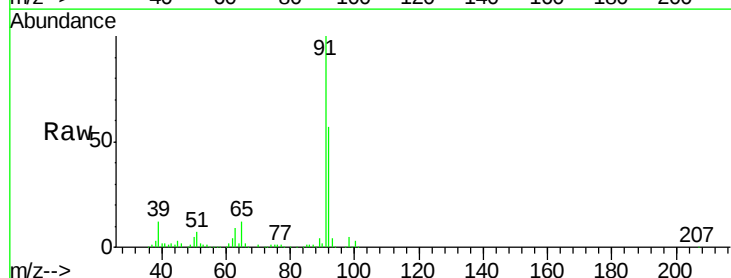
Manual Integrations  
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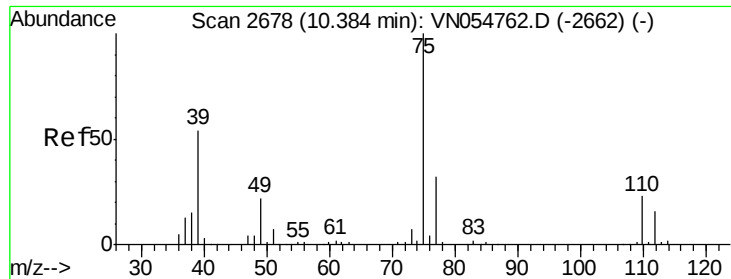
MMDadoda  
 4/2/2019 10:51:39 AM



#52  
 Toluene  
 Concen: 19.988 ug/l  
 RT: 10.16 min Scan# 2607  
 Delta R.T. -0.00 min  
 Lab File: VN054870.D  
 Acq: 1 Apr 2019 13:18

Tgt Ion: 92 Resp: 203485  
 Ion Ratio Lower Upper  
 92 100  
 91 175.8 140.7 211.1





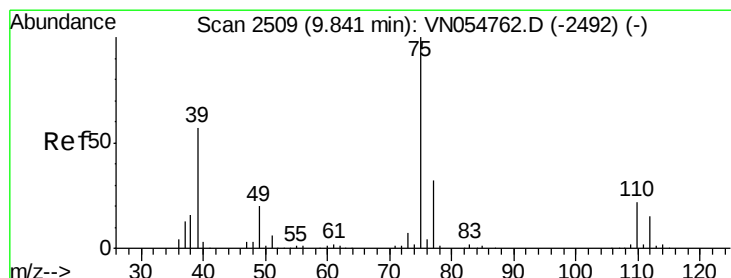
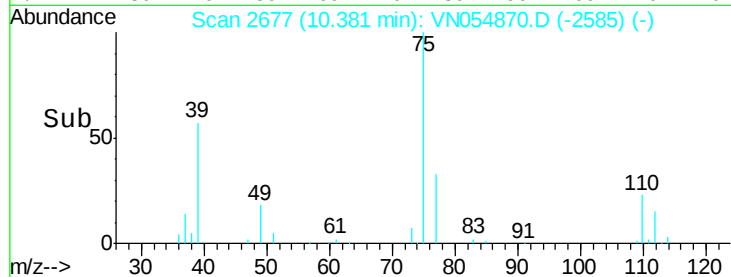
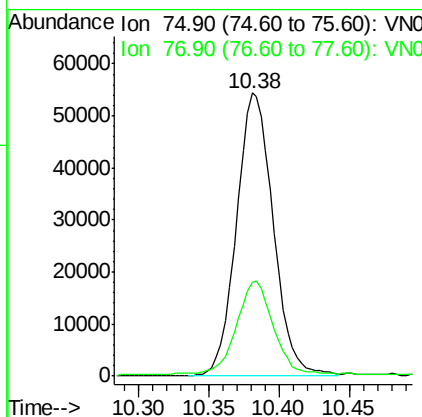
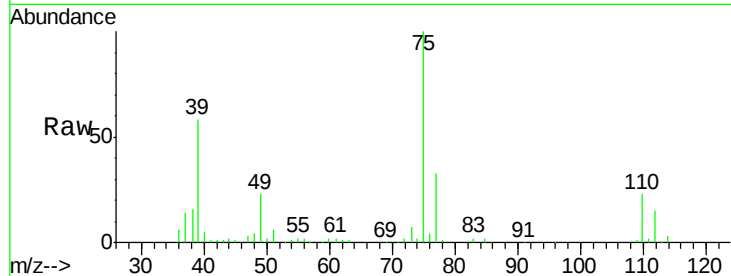
#53  
t-1,3-Dichloropropene  
Concen: 18.595 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0401WBS01

Tot Ion: 75 Resp: 99760  
Ion Ratio Lower Upper  
75 100  
77 32.4 25.8 38.8

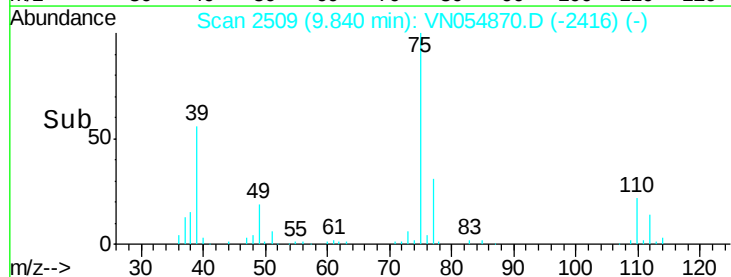
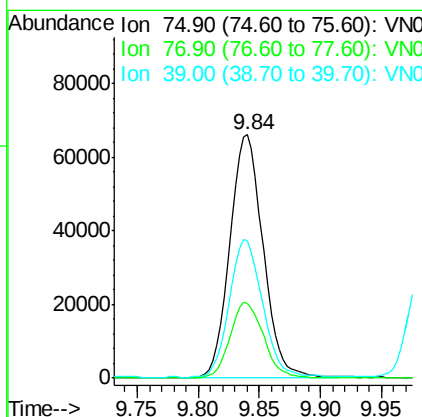
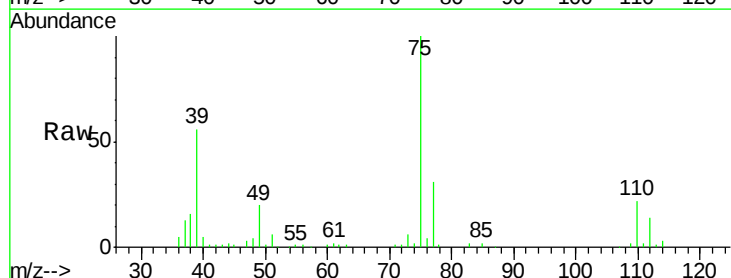
Manual Integrations  
APPROVED

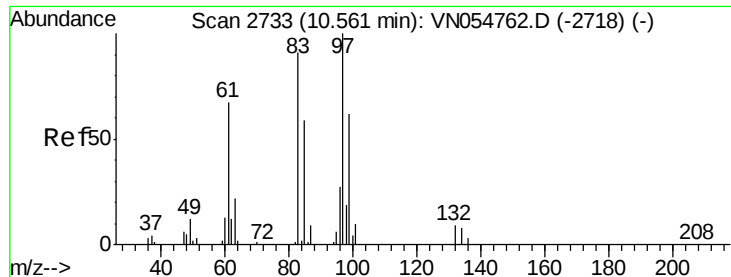
MMDadoda  
4/2/2019 10:51:39 AM



#54  
cis-1,3-Dichloropropene  
Concen: 19.669 ug/l  
RT: 9.84 min Scan# 2509  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

Tgt Ion: 75 Resp: 126055  
Ion Ratio Lower Upper  
75 100  
77 30.7 25.4 38.0  
39 55.9 37.2 55.8#





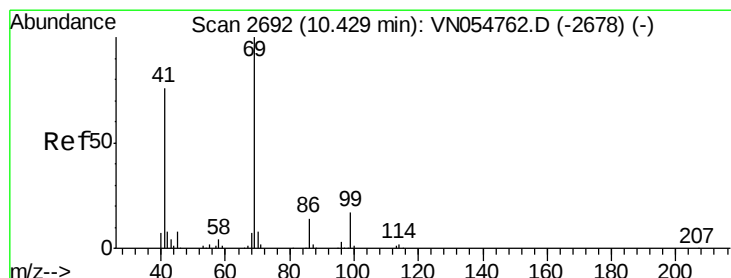
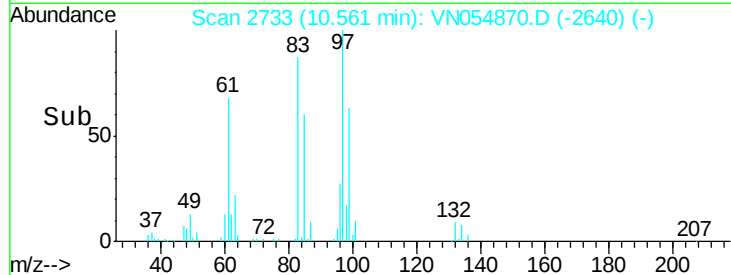
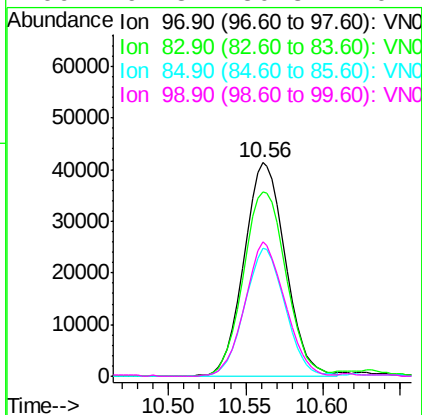
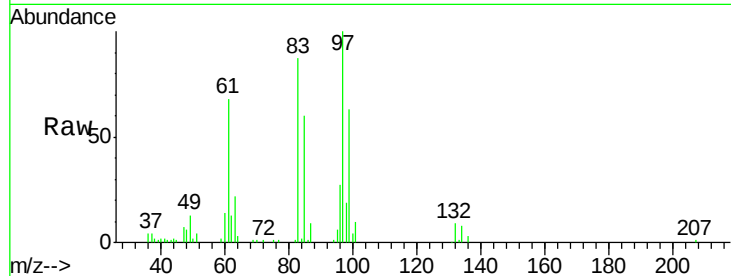
#55  
 1,1,2-Trichloroethane  
 Concen: 20.378 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. -0.00 min  
 Lab File: VN054870.D  
 Acq: 1 Apr 2019 13:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0401WBS01

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 97      | 100  |       |       |       |
| 83      | 86.5 | 66.6  | 100.0 |       |
| 85      | 59.8 | 44.4  | 66.6  |       |
| 99      | 62.8 | 50.8  | 76.2  |       |

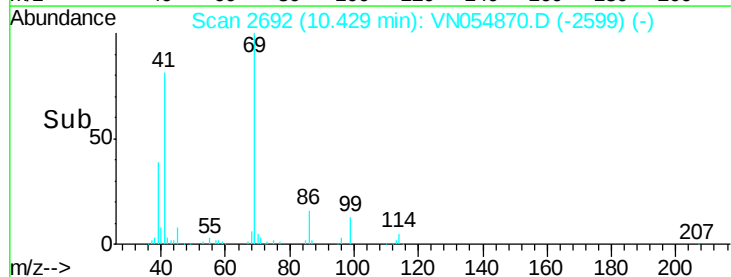
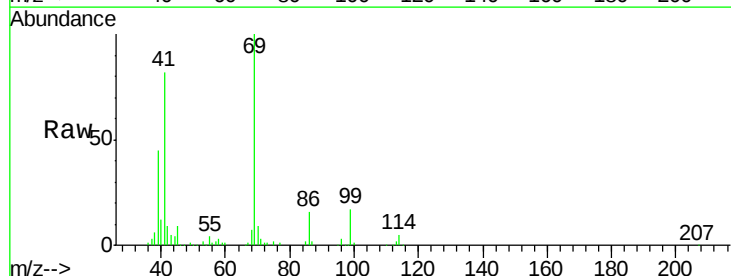
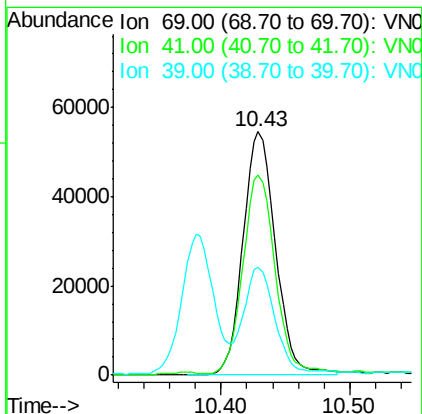
Manual Integrations  
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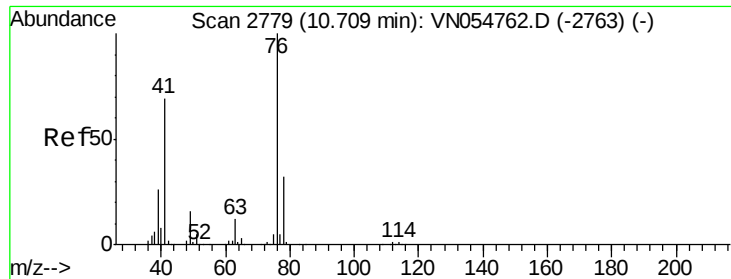
MMDadoda  
 4/2/2019 10:51:39 AM



#56  
 Ethyl methacrylate  
 Concen: 19.401 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. -0.00 min  
 Lab File: VN054870.D  
 Acq: 1 Apr 2019 13:18

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 69      | 100  |       |       |       |
| 41      | 80.6 | 49.4  | 74.2# |       |
| 39      | 41.6 | 28.3  | 42.5  |       |





#57

1,3-Dichloropropane

Concen: 20.815 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

ClientSampled :

VN0401WBS01

Tot Ion: 76 Resp: 135460

Ion Ratio Lower Upper

76 100

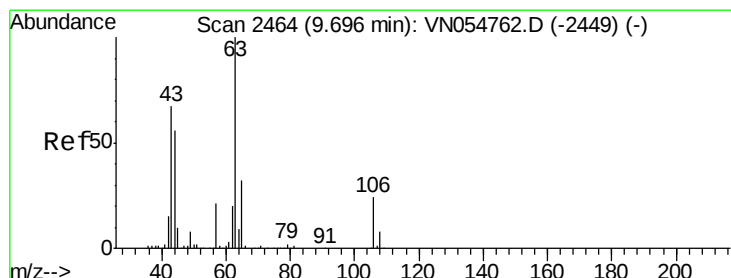
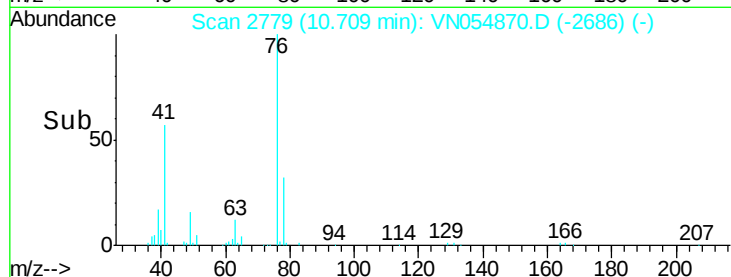
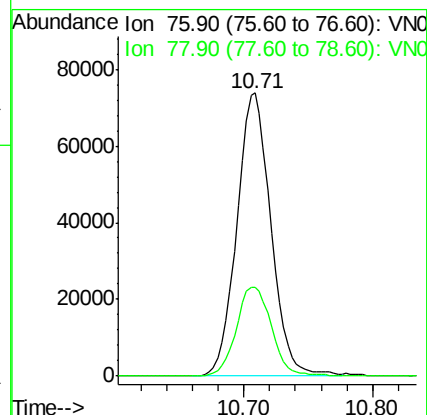
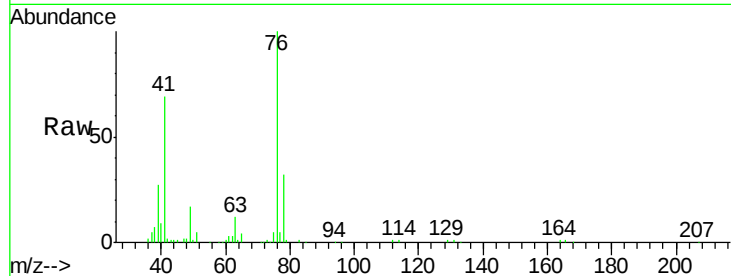
78 32.6 25.7 38.5

Manual Integrations

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MMDadoda

4/2/2019 10:51:39 AM



#58

2-Chloroethyl Vinyl ether

Concen: 95.971 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054870.D

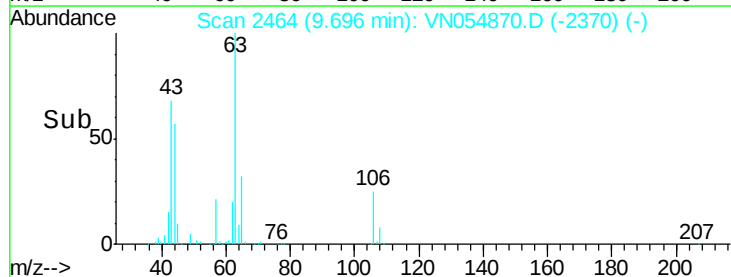
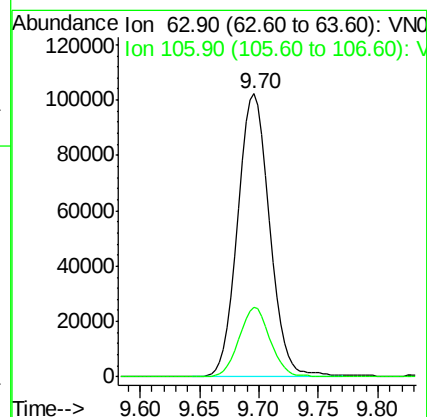
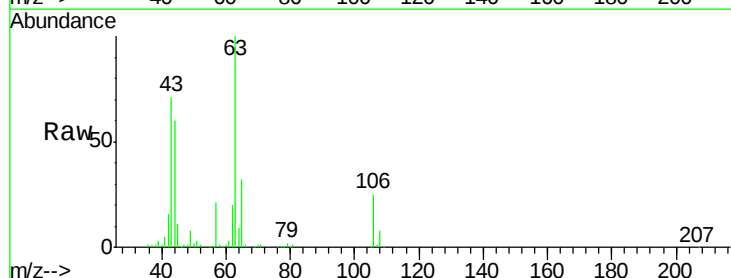
Acq: 1 Apr 2019 13:18

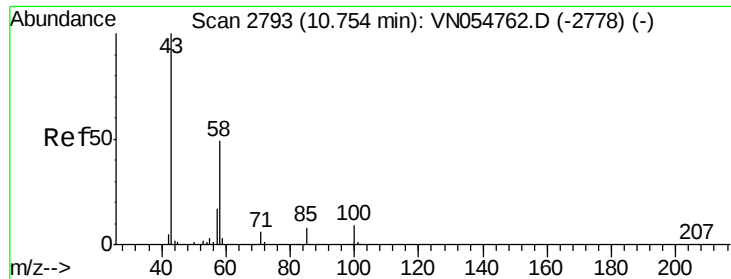
Tgt Ion: 63 Resp: 191046

Ion Ratio Lower Upper

63 100

106 24.0 24.4 36.6#





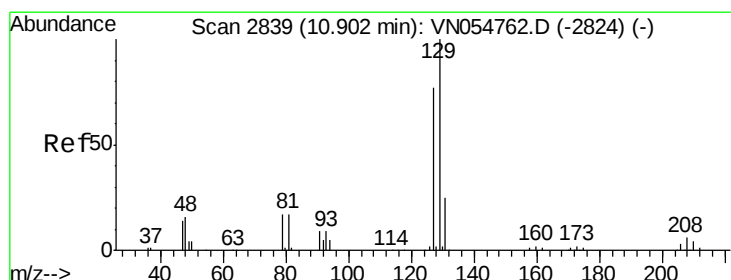
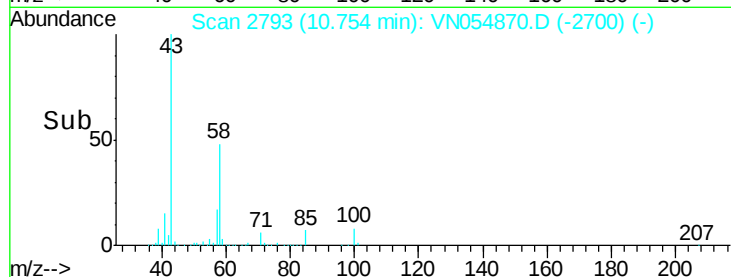
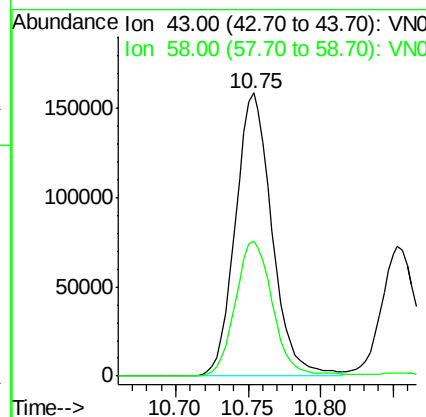
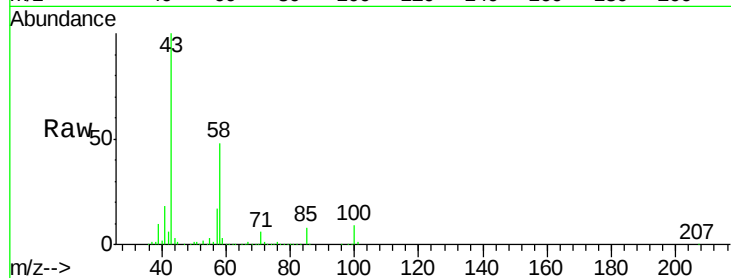
#59  
2-Hexanone  
Concen: 107.319 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0401WBS01

Tot Ion: 43 Resp: 275185  
Ion Ratio Lower Upper  
43 100  
58 49.4 28.0 83.9

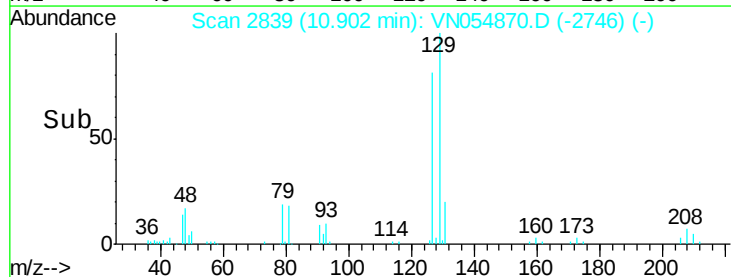
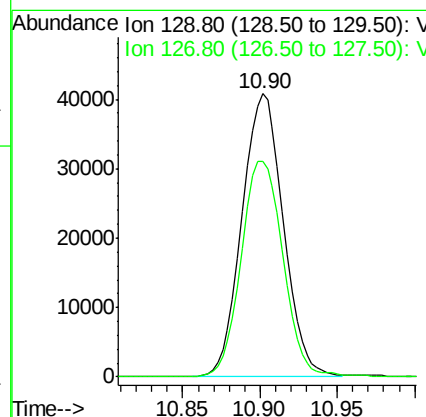
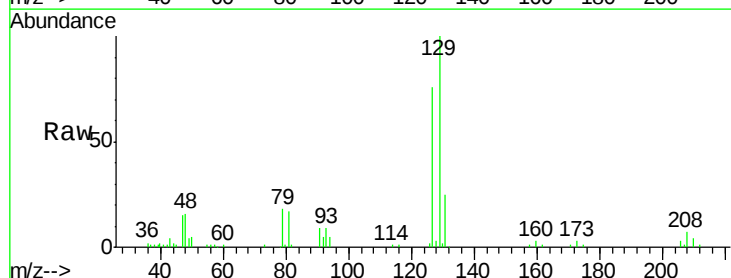
Manual Integrations  
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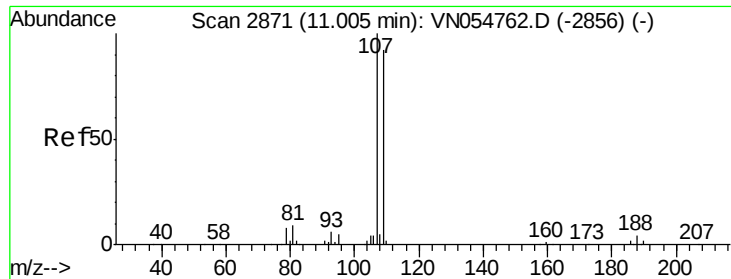
MMDadoda  
4/2/2019 10:51:39 AM



#60  
Dibromochloromethane  
Concen: 19.838 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

Tgt Ion:129 Resp: 76070  
Ion Ratio Lower Upper  
129 100  
127 77.3 38.6 115.8





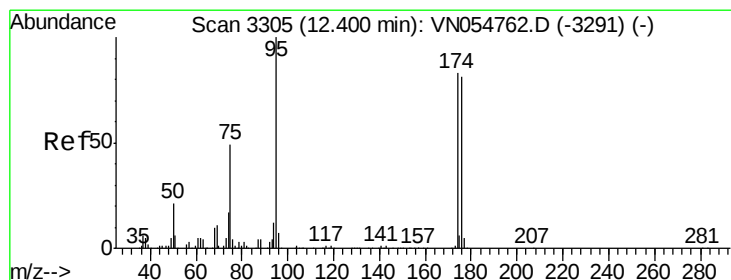
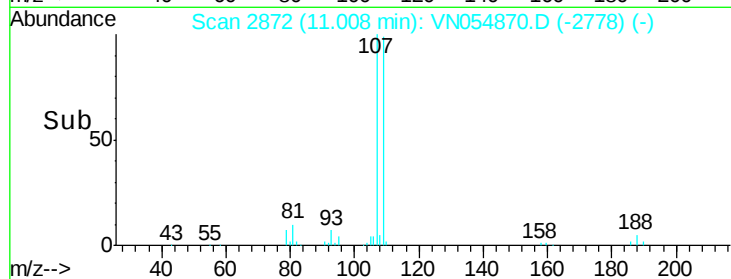
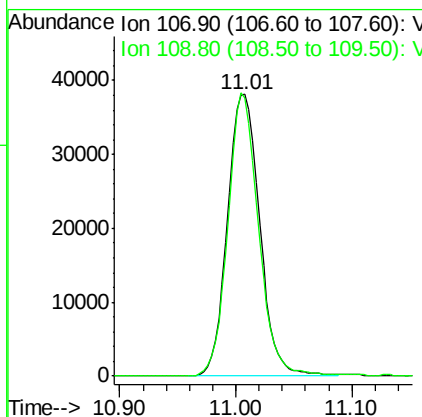
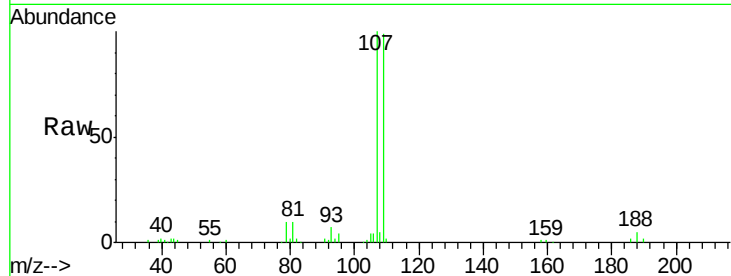
#61  
 1,2-Dibromoethane  
 Concen: 20.278 ug/l  
 RT: 11.01 min Scan# 2872  
 Delta R.T. 0.00 min  
 Lab File: VN054870.D  
 Acq: 1 Apr 2019 13:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0401WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 95.1  | 75.9  | 113.9 |

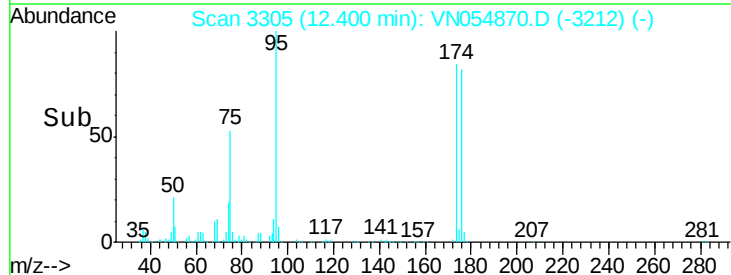
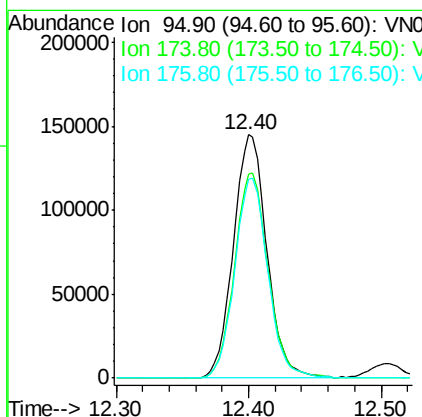
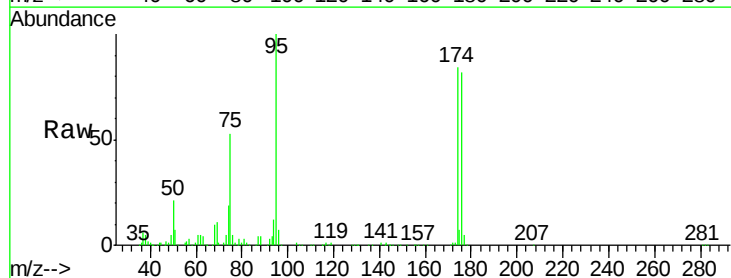
Manual Integrations  
 APPROVED

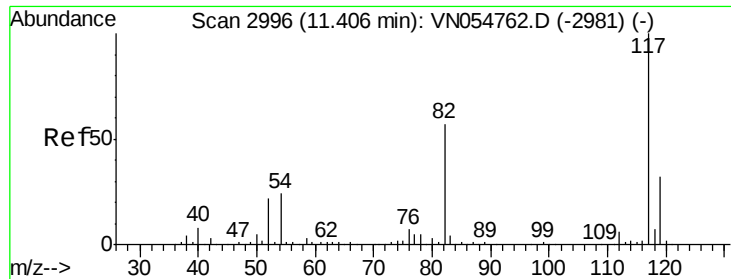
MMDadoda  
 4/2/2019 10:51:39 AM



#62  
 4-Bromofluorobenzene  
 Concen: 48.129 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. -0.00 min  
 Lab File: VN054870.D  
 Acq: 1 Apr 2019 13:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 84.6  | 0.0   | 191.0 |
| 176     | 81.1  | 0.0   | 187.4 |





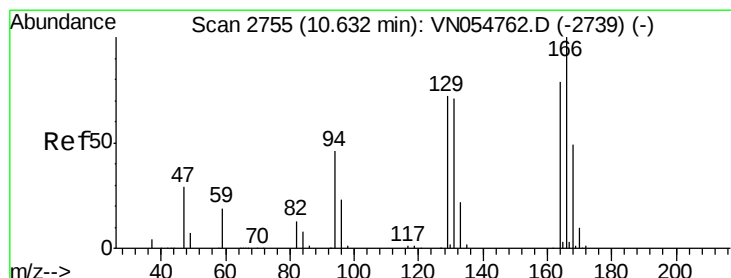
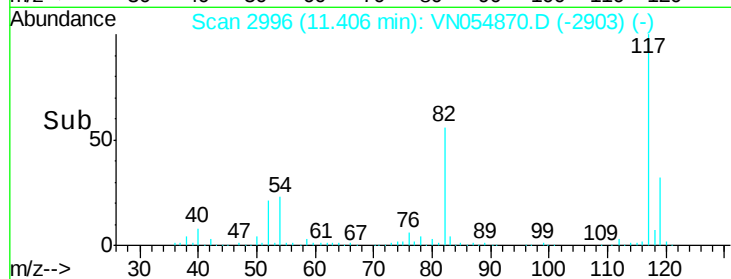
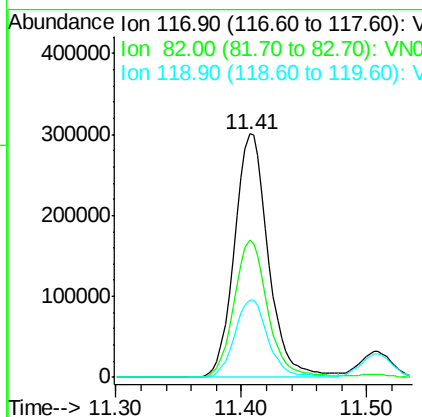
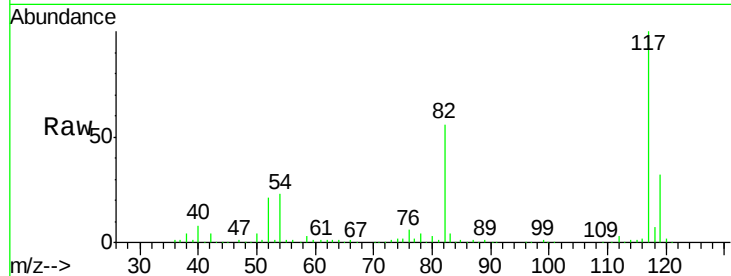
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0401WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.5  | 40.0  | 60.0  |
| 119     | 31.7  | 25.8  | 38.6  |

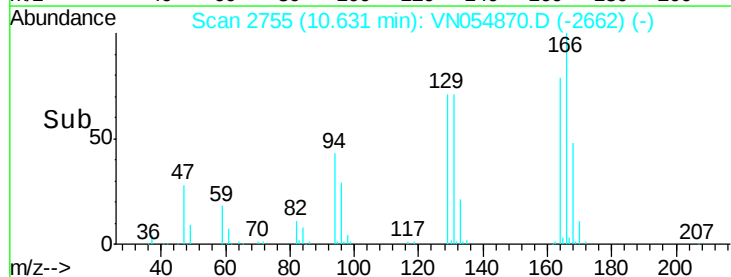
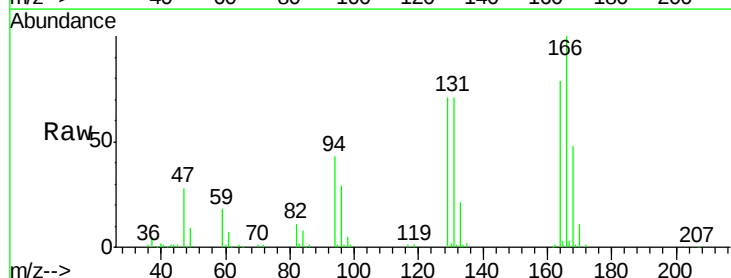
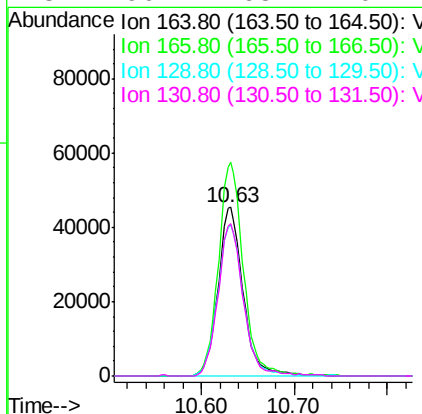
Manual Integrations  
APPROVED

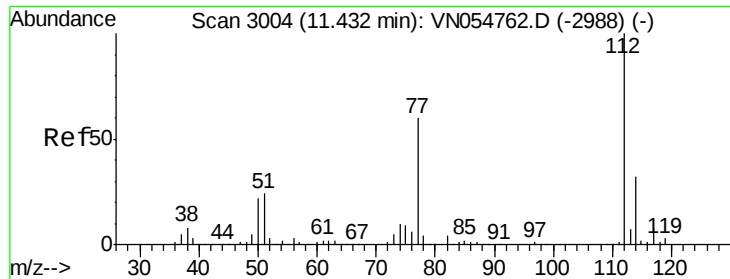
MMDadoda  
4/2/2019 10:51:39 AM



#64  
Tetrachloroethene  
Concen: 19.646 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.4 | 103.9 | 155.9 |
| 129     | 89.7  | 71.1  | 106.7 |
| 131     | 90.2  | 68.2  | 102.4 |





#65

Chlorobenzene

Concen: 19.220 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

ClientSampled :

VN0401WBS01

Tot Ion:112 Resp: 211892

Ion Ratio Lower Upper

112 100

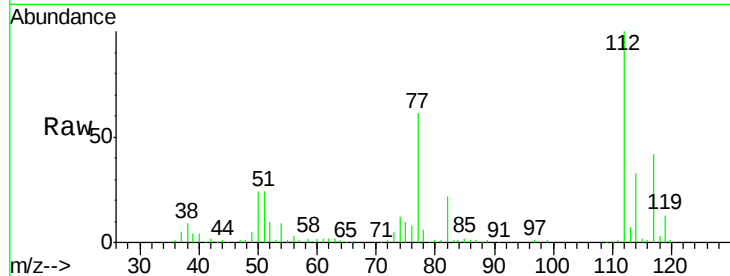
114 32.8 25.9 38.9

Manual Integrations

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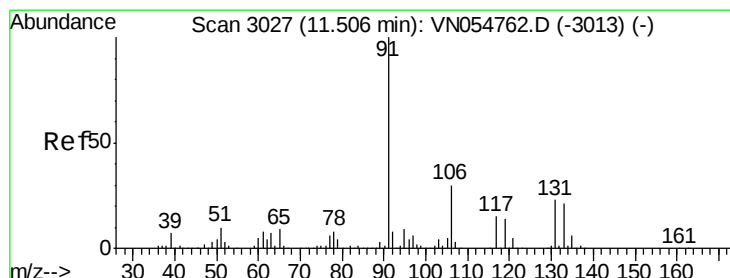
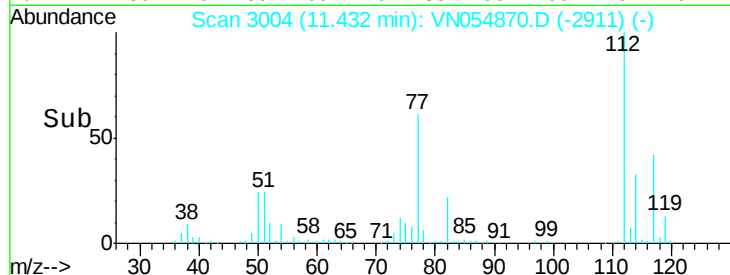
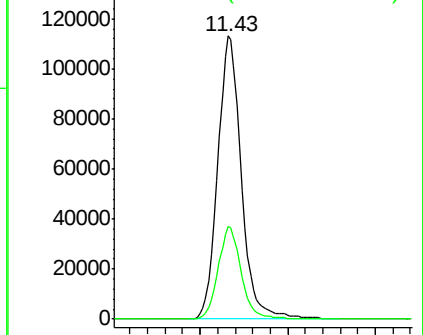
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.042 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

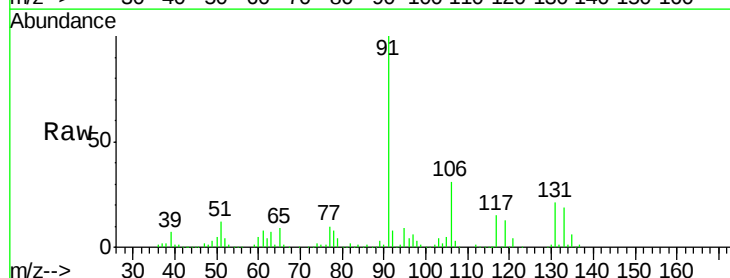
Tgt Ion:131 Resp: 78574

Ion Ratio Lower Upper

131 100

133 93.1 47.6 142.9

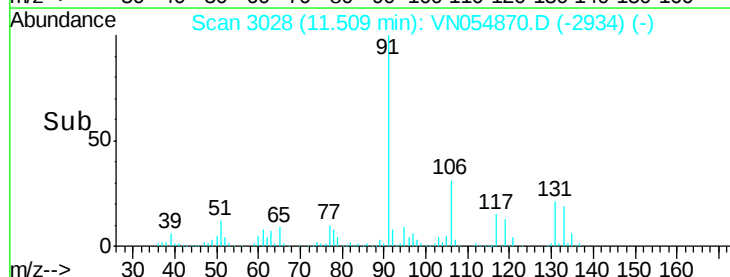
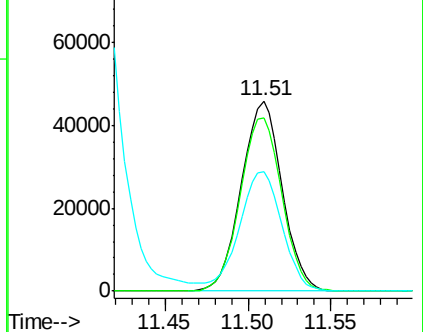
119 66.2 32.4 97.0

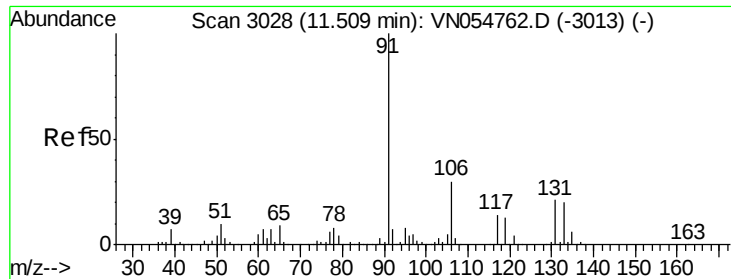


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





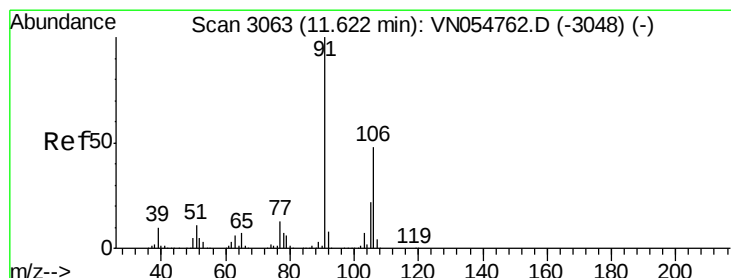
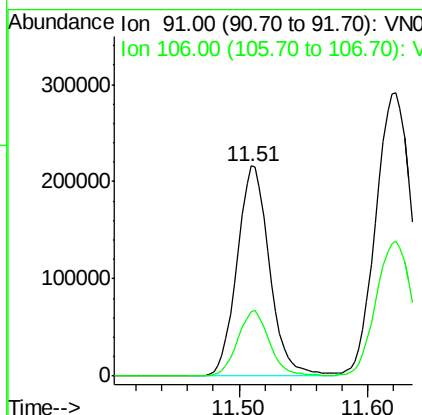
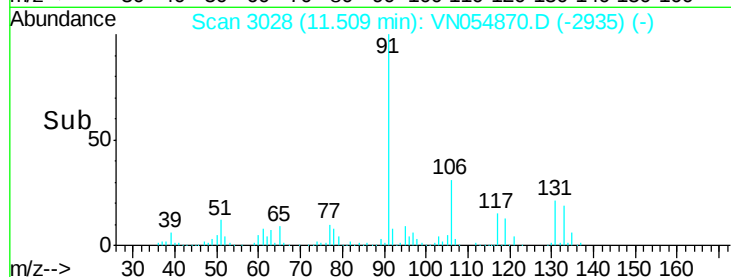
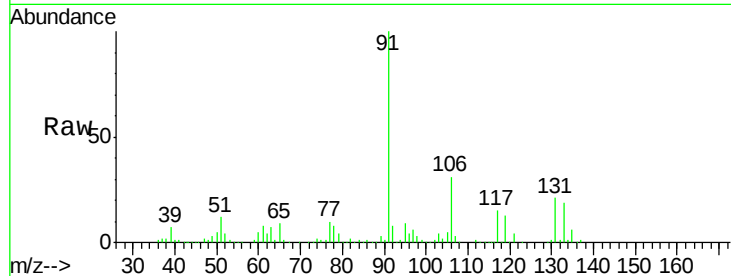
#67  
Ethyl Benzene  
Concen: 19.116 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0401WBS01

Tot Ion: 91 Resp: 380298  
Ion Ratio Lower Upper  
91 100  
106 30.8 25.5 38.3

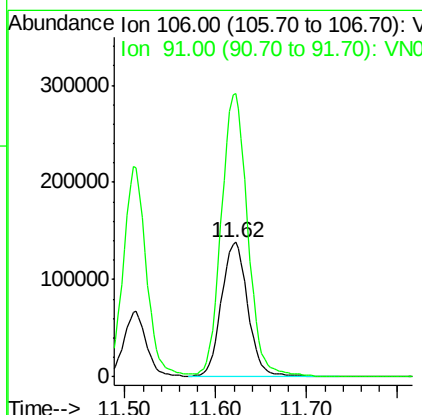
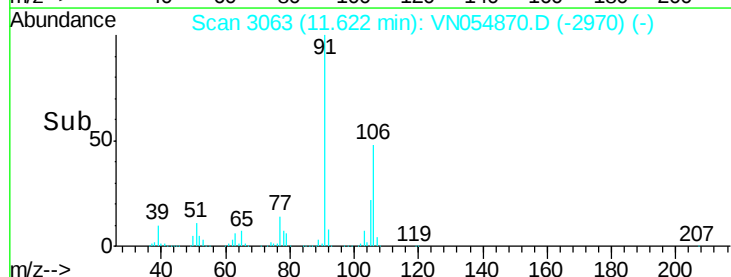
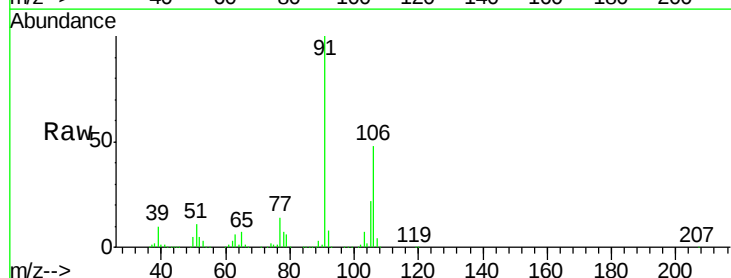
Manual Integrations  
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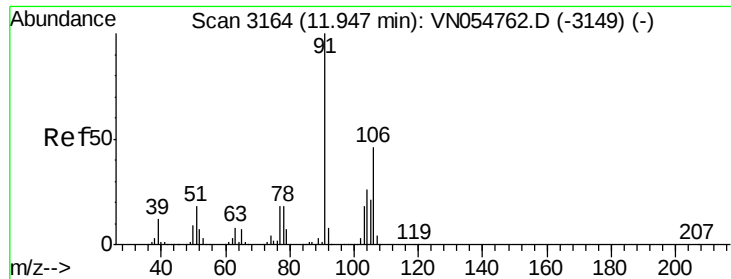
MMDadoda  
4/2/2019 10:51:39 AM



#68  
m/p-Xylenes  
Concen: 38.336 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

Tgt Ion: 106 Resp: 282230  
Ion Ratio Lower Upper  
106 100  
91 209.3 159.4 239.2





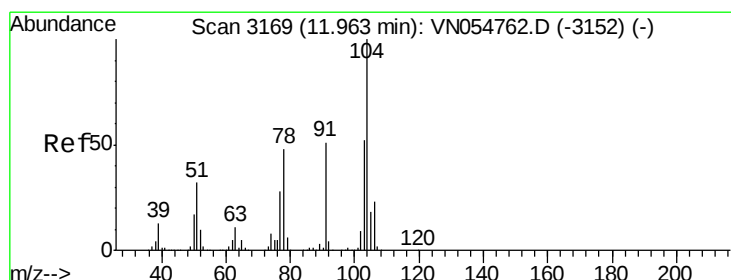
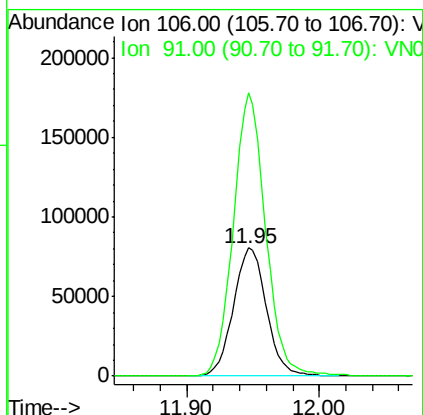
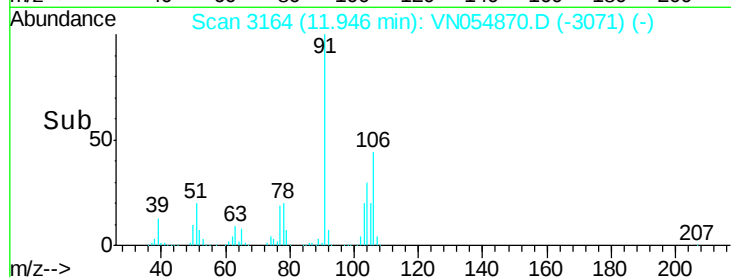
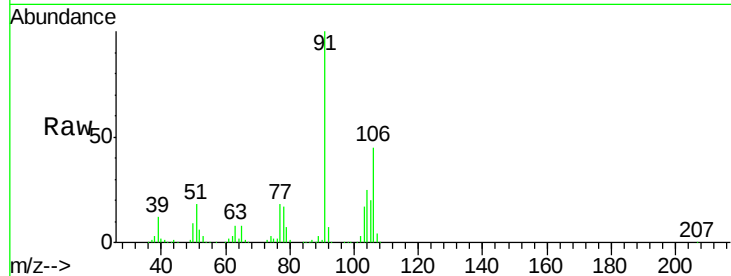
#69  
o-Xylene  
Concen: 19.320 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0401WBS01

Tot Ion:106 Resp: 139476  
Ion Ratio Lower Upper  
106 100  
91 215.7 105.7 317.1

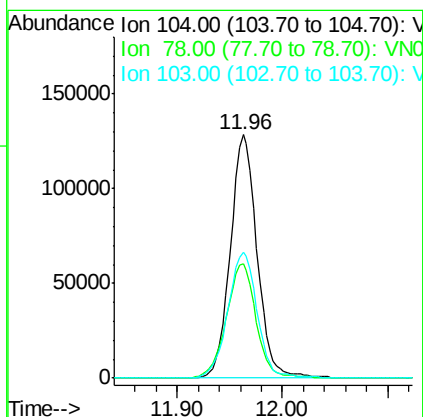
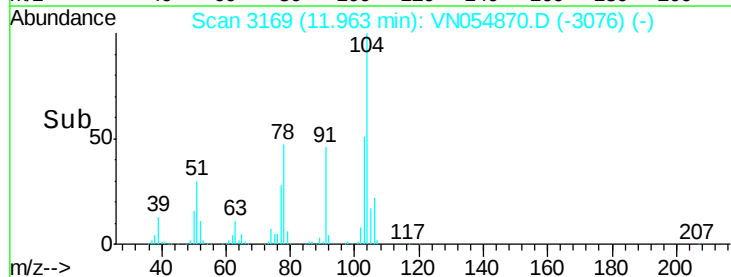
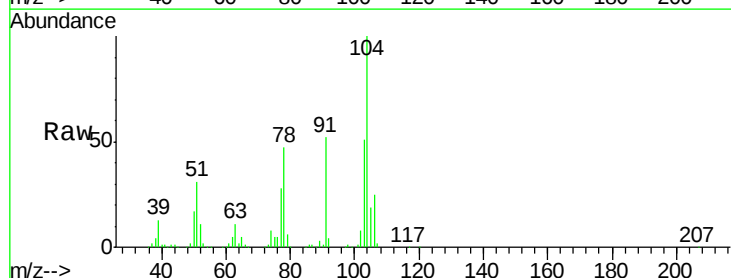
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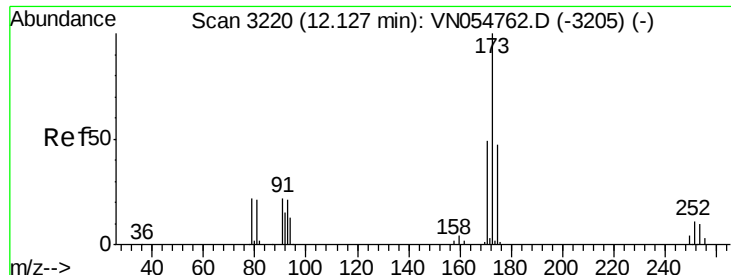
MMDadoda  
4/2/2019 10:51:39 AM



#70  
Styrene  
Concen: 19.535 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

Tgt Ion:104 Resp: 225490  
Ion Ratio Lower Upper  
104 100  
78 52.4 38.2 57.2  
103 56.9 44.4 66.6





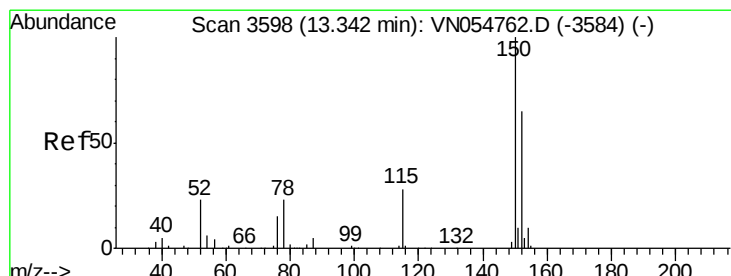
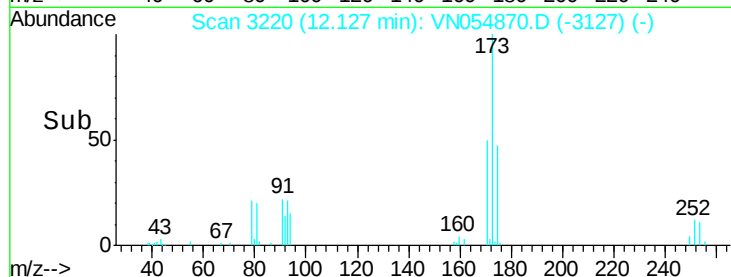
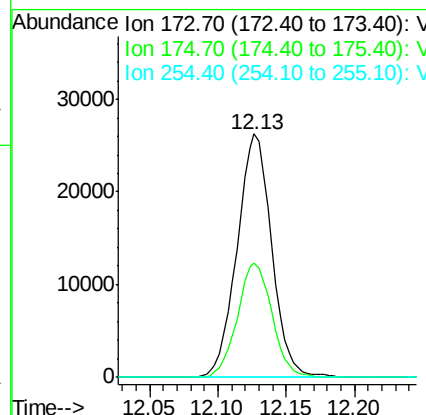
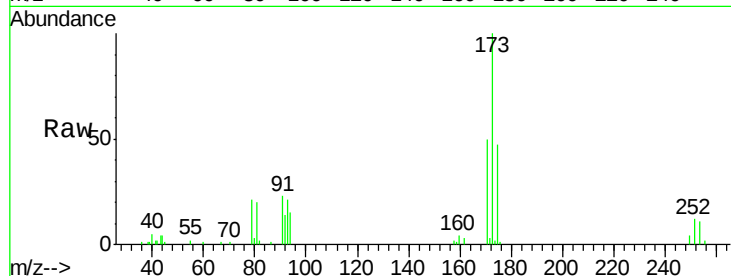
#71  
Bromoform  
Concen: 19.151 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0401WBS01

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 173     | 100  |       |      |       |       |
| 175     | 46.8 | 24.4  | 73.2 |       |       |
| 254     | 0.0  | 0.1   | 0.1# |       |       |

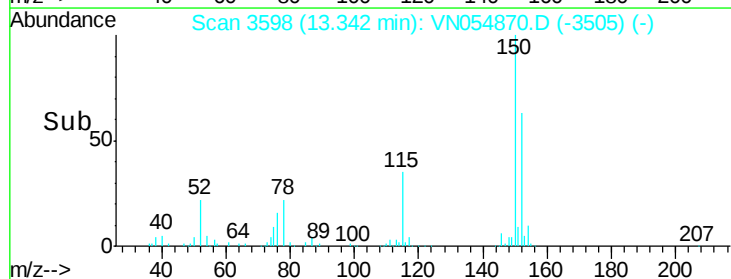
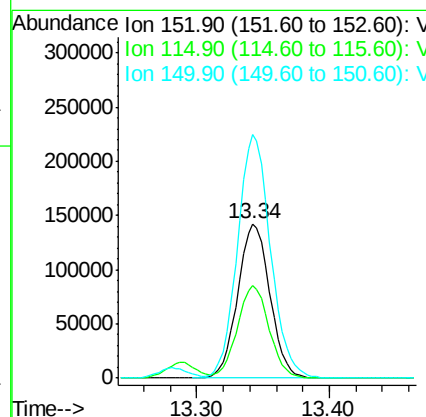
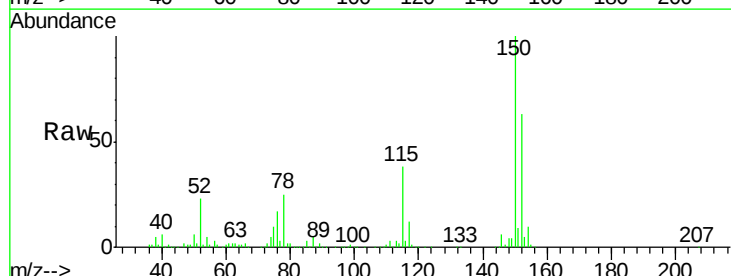
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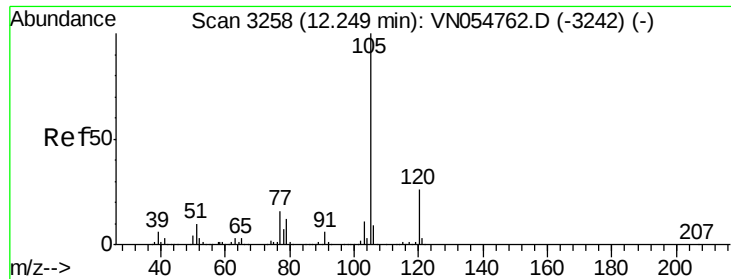
MMDadoda  
4/2/2019 10:51:39 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

| Tgt Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 152     | 100   |       |       |       |       |
| 115     | 59.3  | 27.2  | 81.6  |       |       |
| 150     | 162.0 | 0.0   | 349.2 |       |       |





#73

Isopropylbenzene

Concen: 18.635 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0401WBS01

Tot Ion:105 Resp: 364116

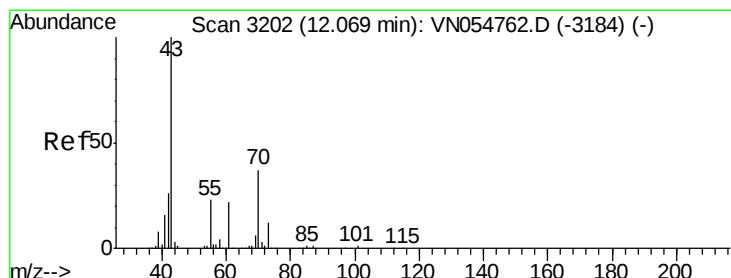
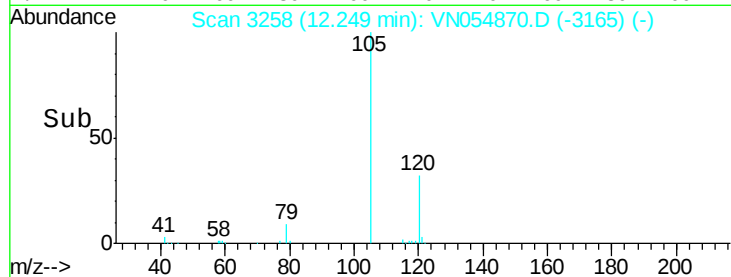
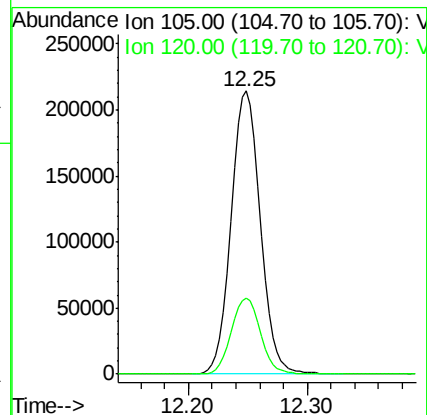
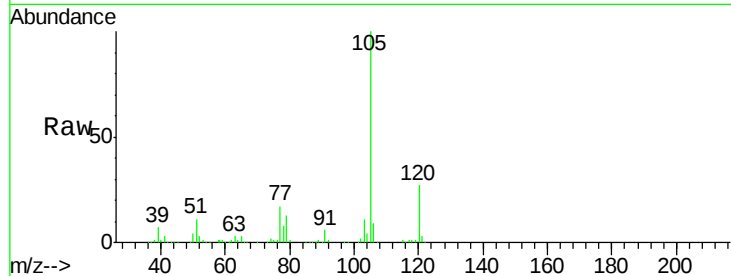
Ion Ratio Lower Upper

105 100

120 27.0 13.8 41.3

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#74

N-ethyl acetate

Concen: 19.185 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Tgt Ion: 43 Resp: 116782

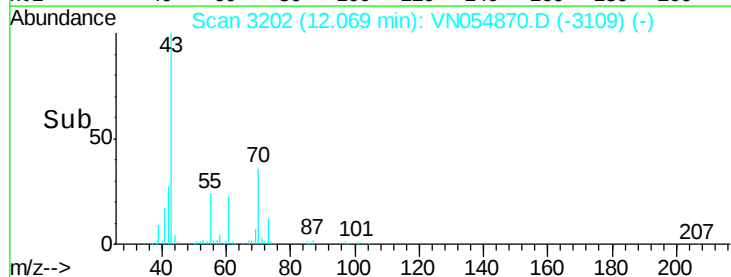
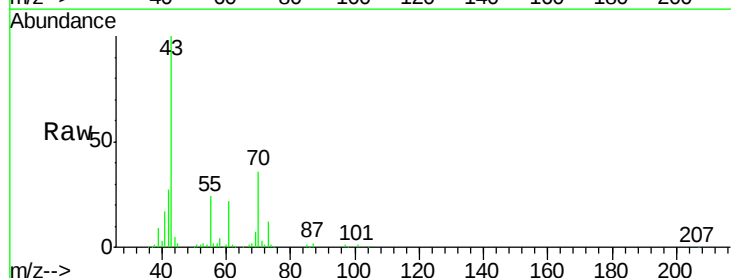
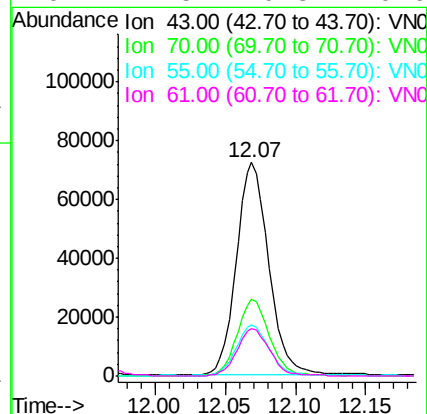
Ion Ratio Lower Upper

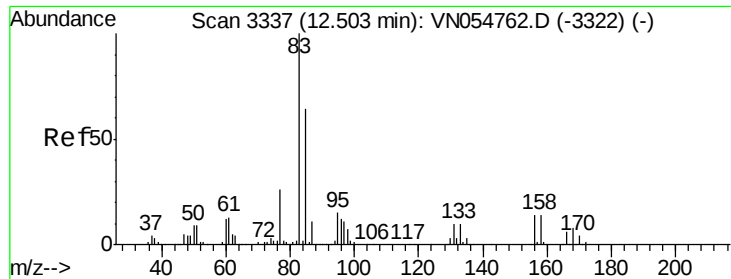
43 100

70 36.3 35.4 53.0

55 25.1 19.8 29.6

61 22.5 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.252 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

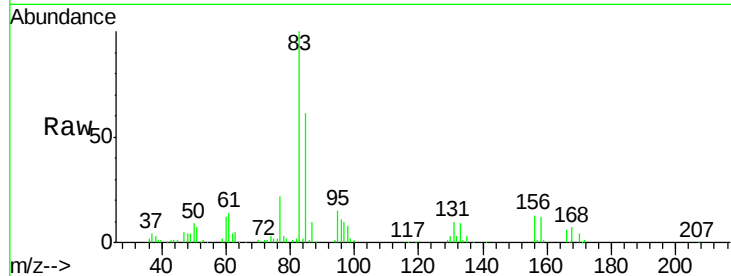
ClientSampled :

VN0401WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 95778 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.4  | 5.8   | 17.4  |
| 85        | 64.6  | 32.2  | 96.6  |

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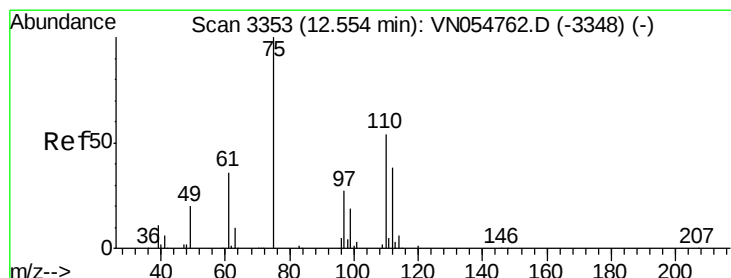
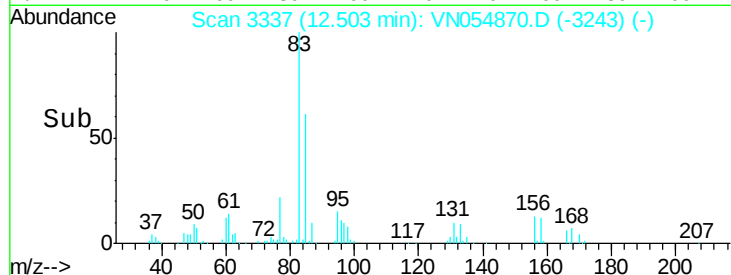


Abundance Ion 82.90 (82.60 to 83.60): VN054870.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN054870.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN054870.D (-3243) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 19.217 ug/l m

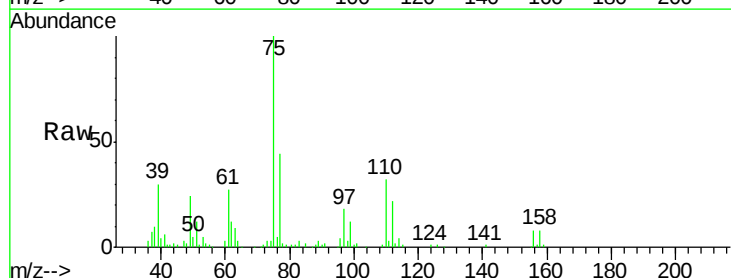
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

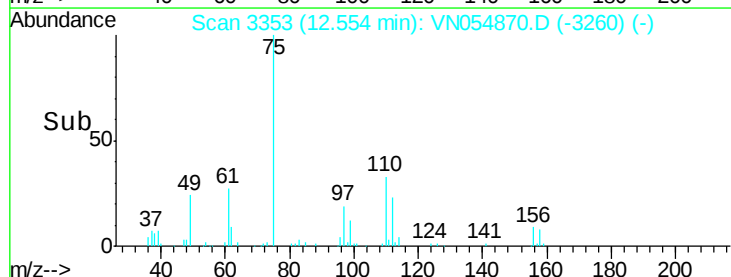
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 79807 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |

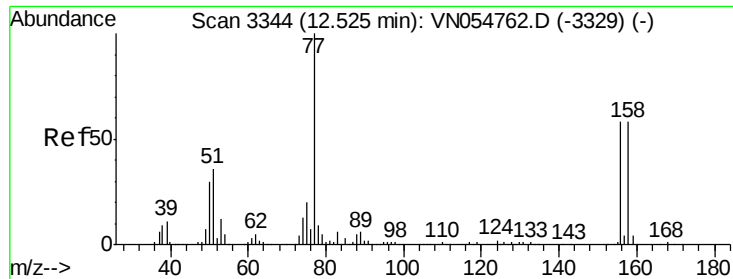


Abundance Ion 74.90 (74.60 to 75.60): VN054870.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054870.D (-3260) (-)

Time-->





#77

Bromobenzene

Concen: 19.380 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

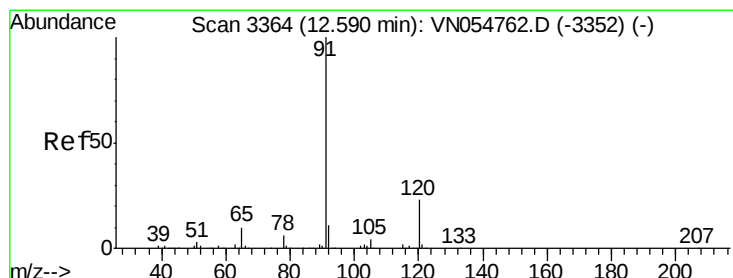
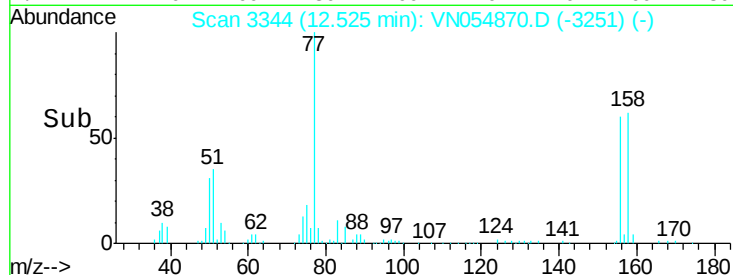
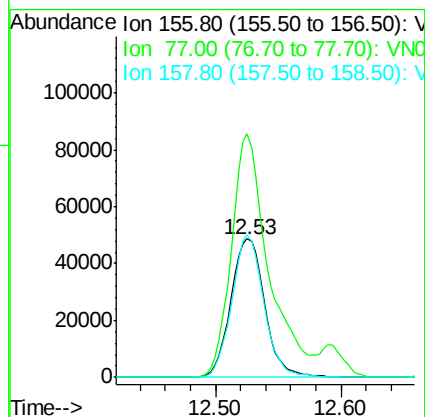
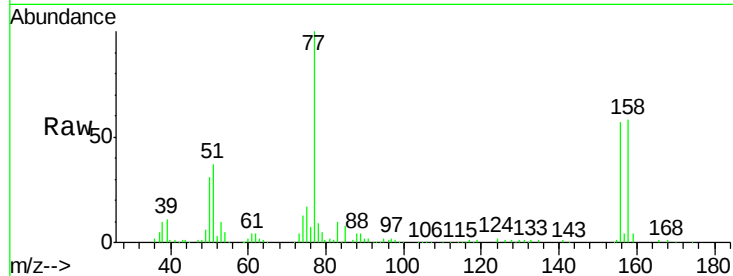
ClientSampled :

VN0401WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 156   | Resp: | 91388 |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 191.9 | 81.5  | 244.4 |
| 158      | 96.8  | 49.0  | 147.2 |

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#78

n-propylbenzene

Concen: 18.799 ug/l

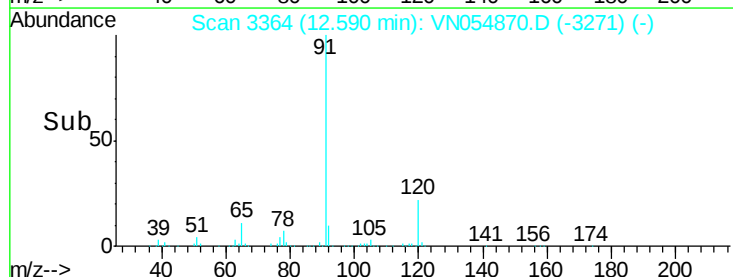
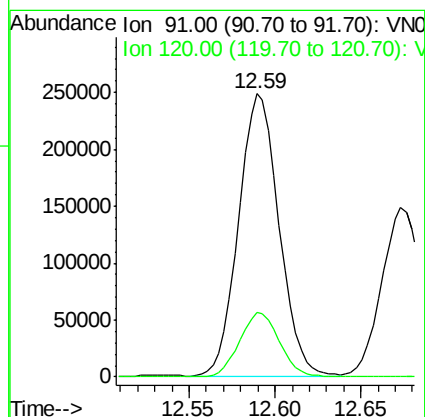
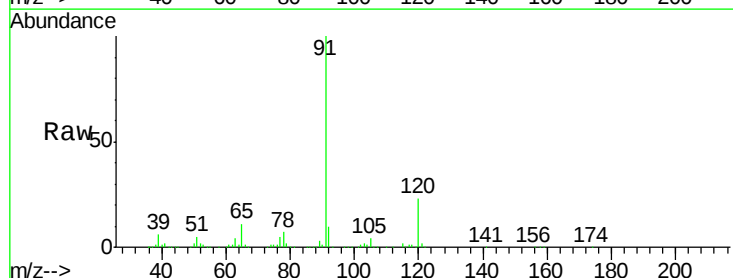
RT: 12.59 min Scan# 3364

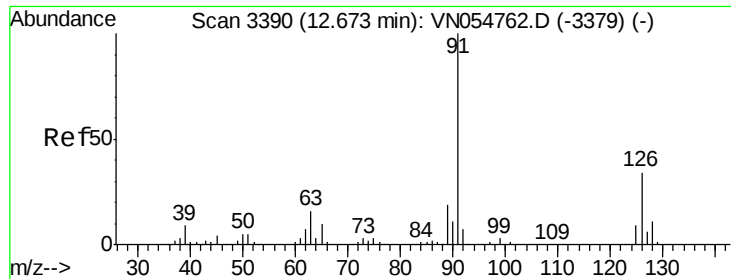
Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 403710 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 120      | 22.7  | 12.3  | 36.9   |





#79

2-Chlorotoluene

Concen: 18.699 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

ClientSampled :

VN0401WBS01

Tot Ion: 91 Resp: 248434

Ion Ratio Lower Upper

91 100

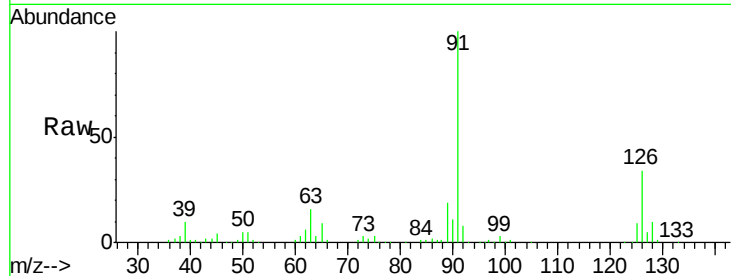
126 34.7 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN054762.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054762.D (-3379) (-)

12.67

150000

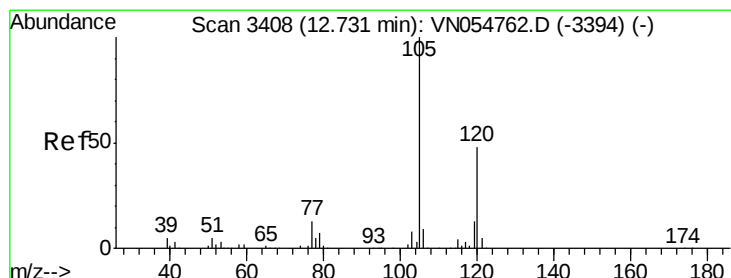
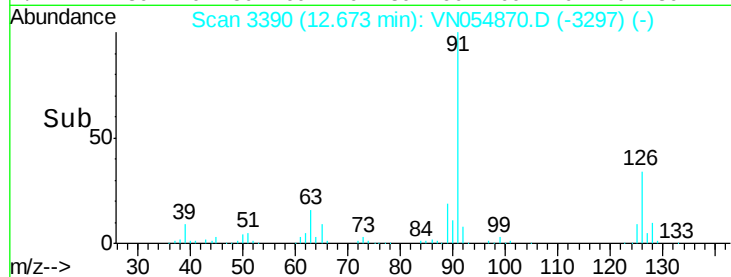
100000

50000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.124 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054870.D

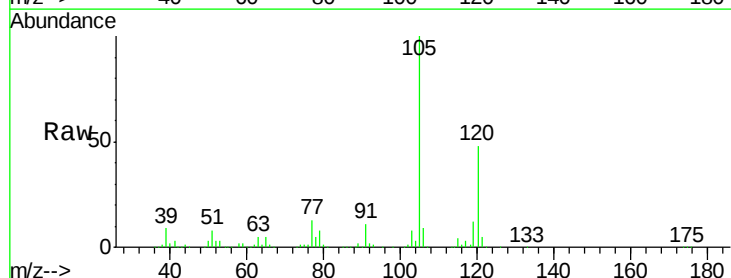
Acq: 1 Apr 2019 13:18

Tgt Ion:105 Resp: 306599

Ion Ratio Lower Upper

105 100

120 47.9 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054762.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054762.D (-3394) (-)

12.73

200000

150000

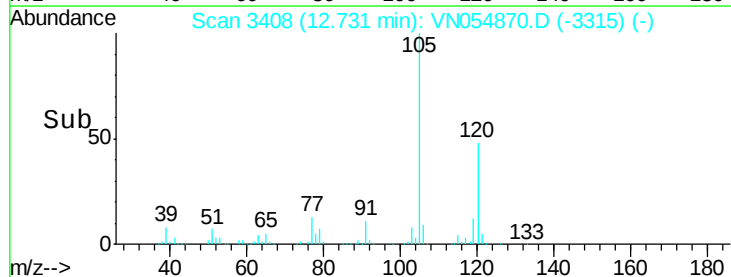
100000

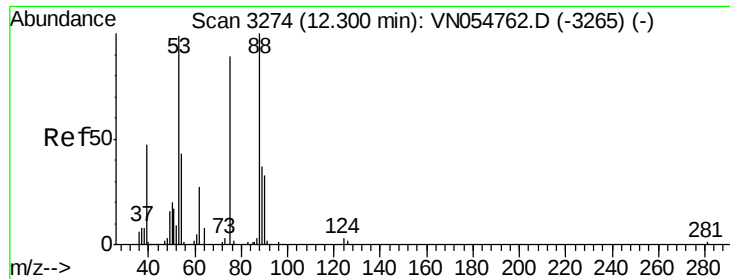
50000

0

12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.221 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

ClientSampled :

VN0401WBS01

Tot Ion: 75 Resp: 17318

Ion Ratio Lower Upper

75 100

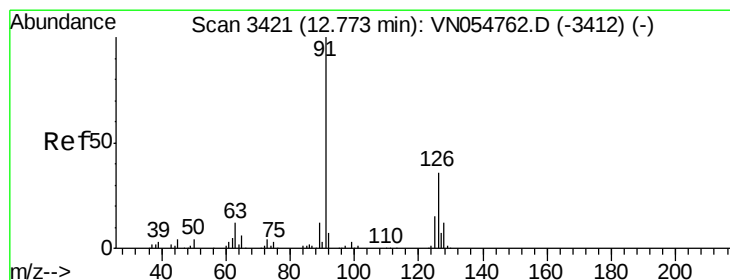
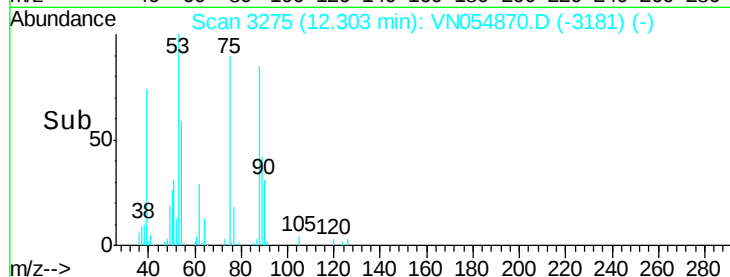
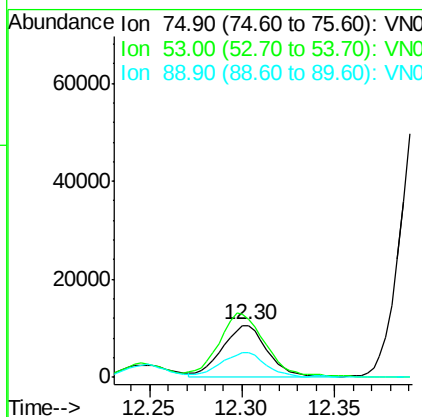
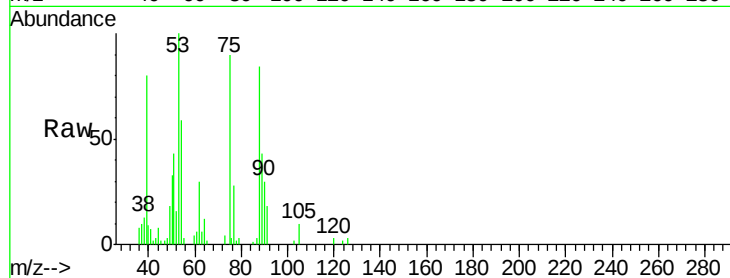
53 133.4 76.2 114.2#

89 46.7 39.2 58.8

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#82

4-Chlorotoluene

Concen: 18.459 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054870.D

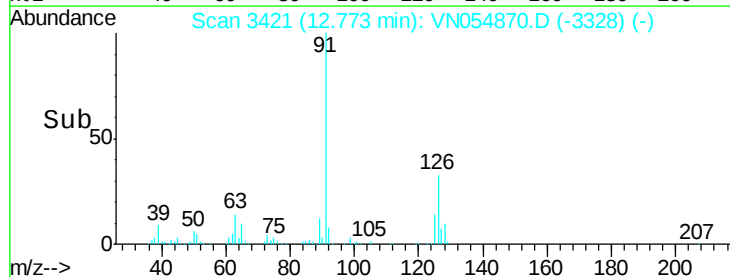
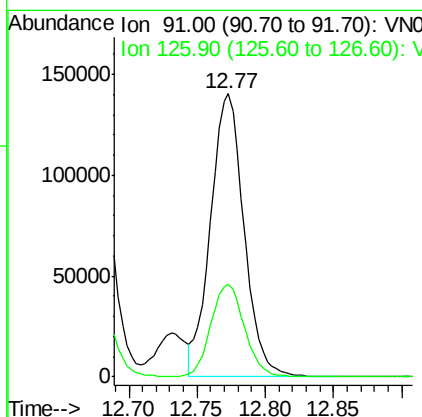
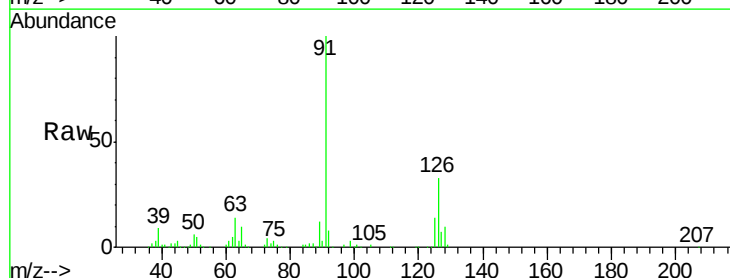
Acq: 1 Apr 2019 13:18

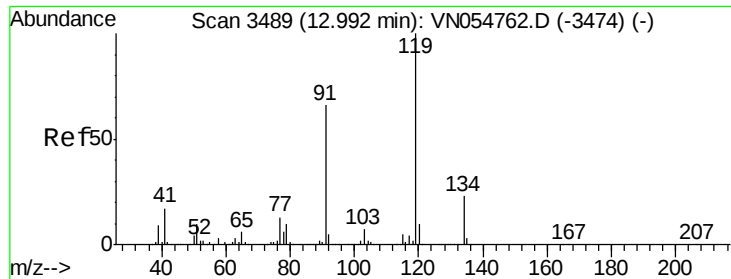
Tgt Ion: 91 Resp: 238209

Ion Ratio Lower Upper

91 100

126 33.2 18.1 54.1





#83

tert-Butylbenzene

Concen: 19.531 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

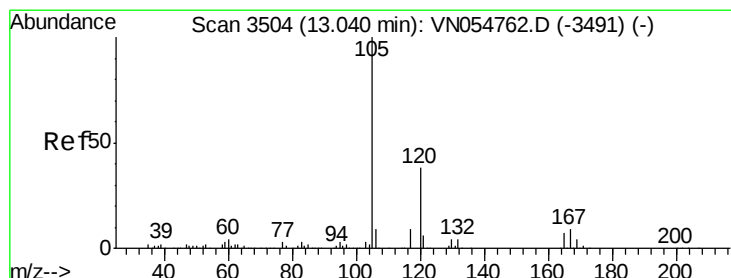
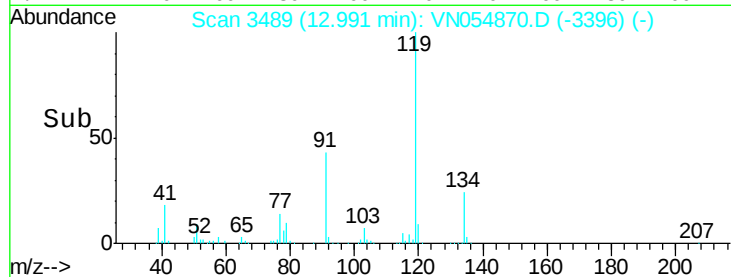
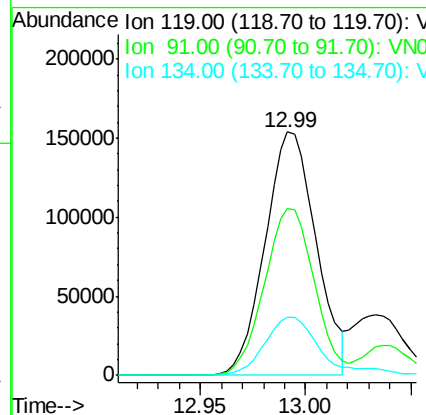
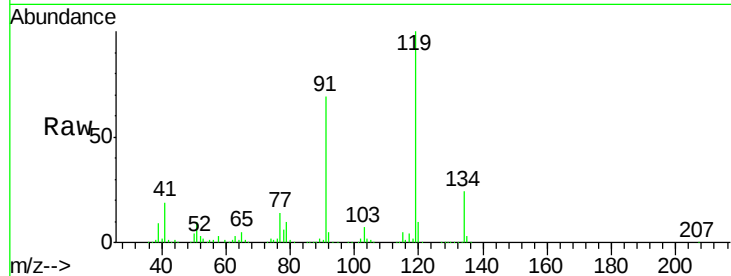
ClientSampled :

VN0401WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 258411 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 67.4  | 30.9  | 92.8   |
| 134       | 26.3  | 13.2  | 39.6   |

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#84

1,2,4-Trimethylbenzene

Concen: 19.334 ug/l

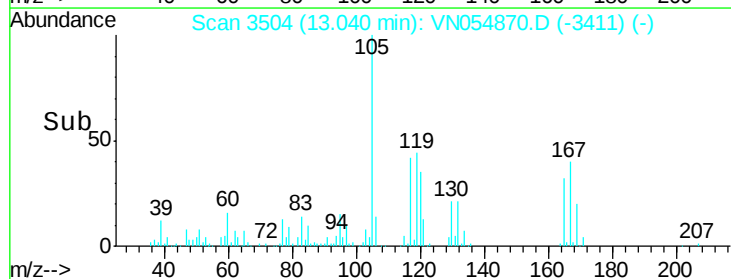
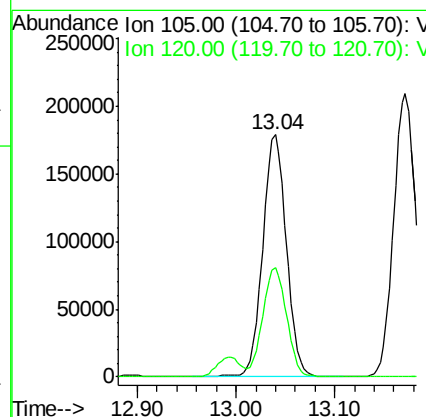
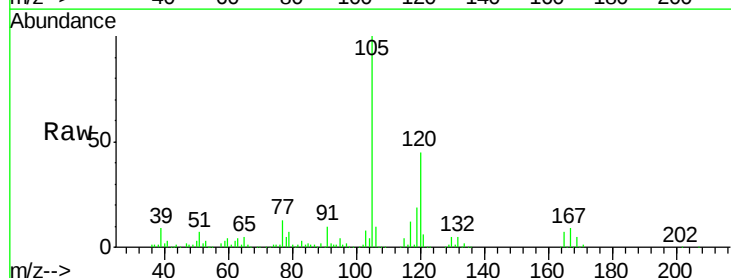
RT: 13.04 min Scan# 3504

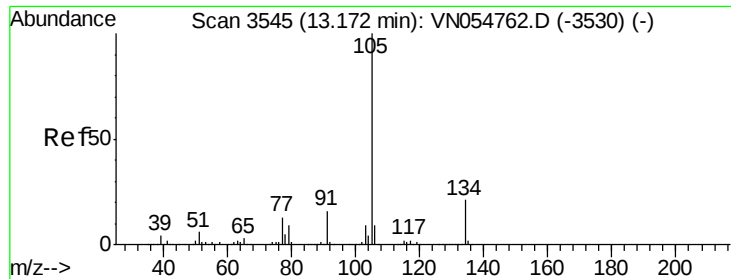
Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 295306 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 45.6  | 23.4  | 70.3   |





#85

sec-Butylbenzene

Concen: 19.090 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

ClientSampled :

VN0401WBS01

Tot Ion:105 Resp: 332473

Ion Ratio Lower Upper

105 100

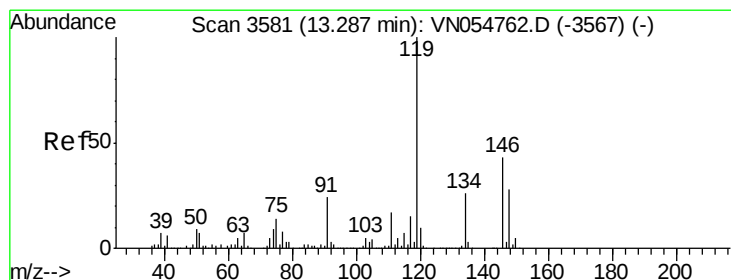
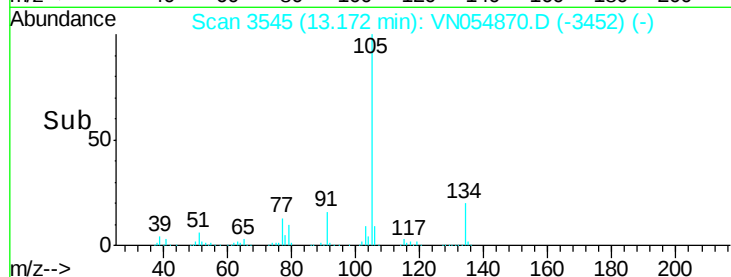
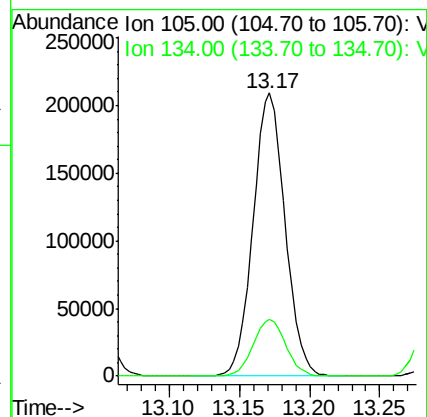
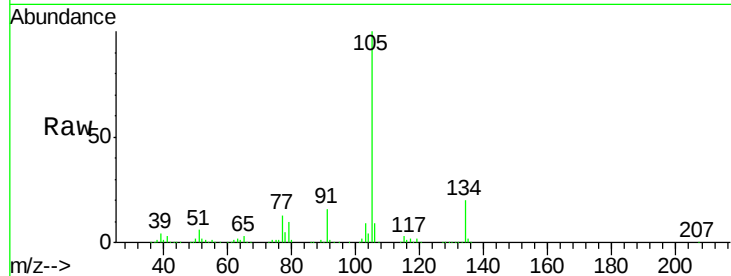
134 20.4 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 18.928 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

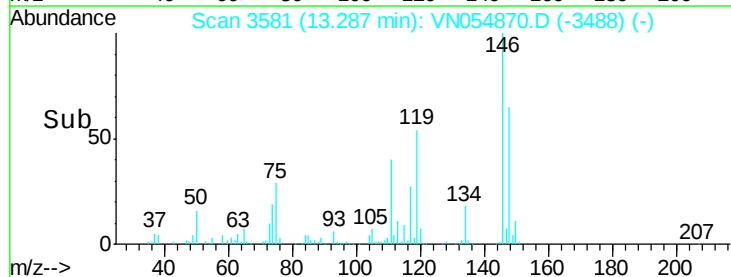
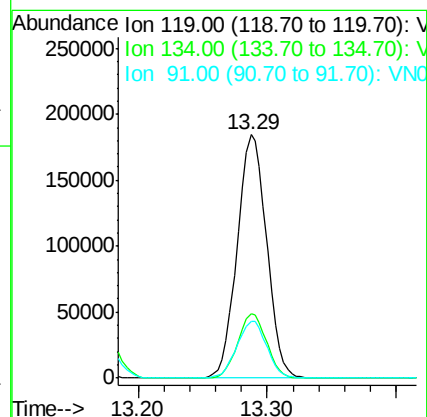
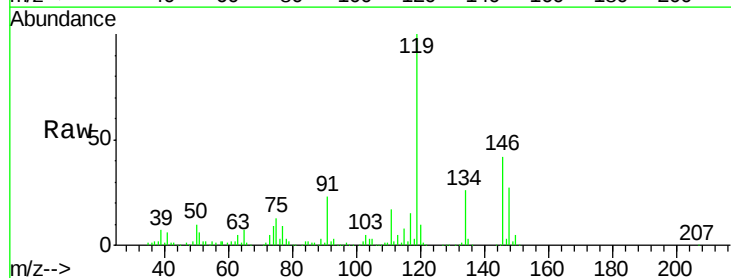
Tgt Ion:119 Resp: 290744

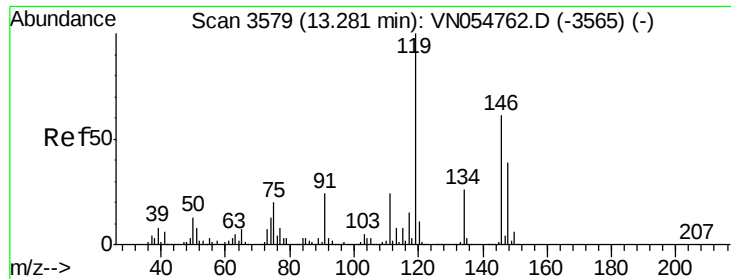
Ion Ratio Lower Upper

119 100

134 26.1 13.6 40.8

91 23.6 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 18.898 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

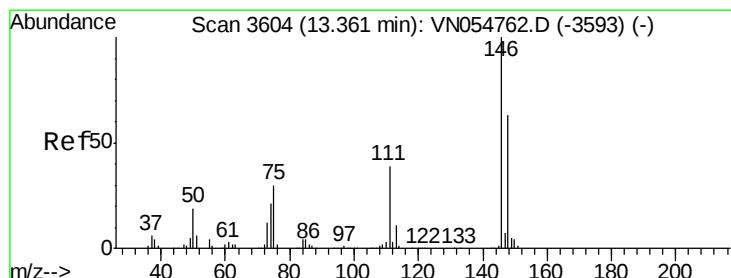
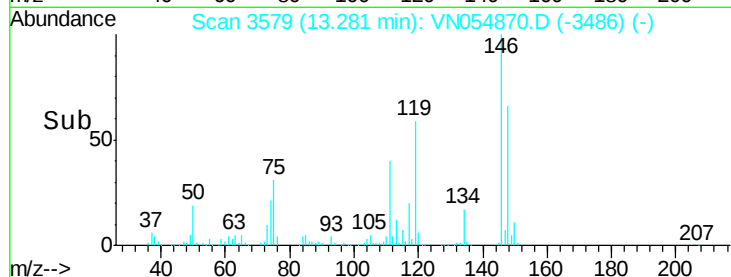
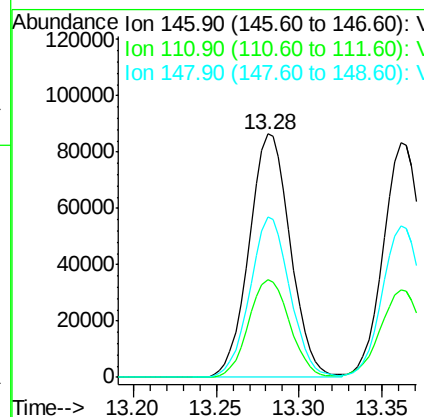
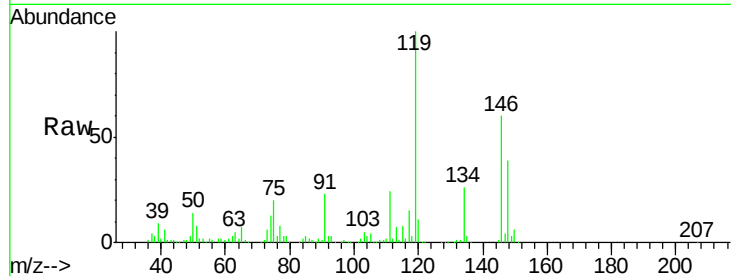
ClientSampled :

VN0401WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 149202 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 40.2  | 18.8  | 56.3   |
| 148       | 64.1  | 32.2  | 96.6   |

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#88

1,4-Dichlorobenzene

Concen: 17.906 ug/l

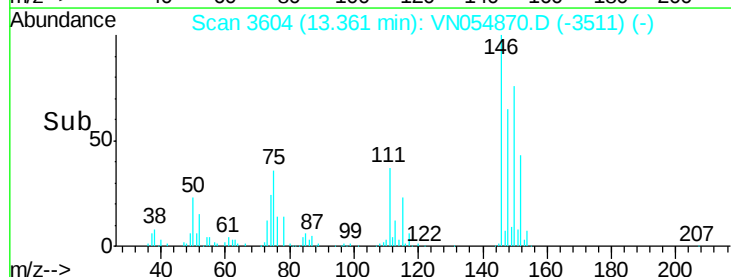
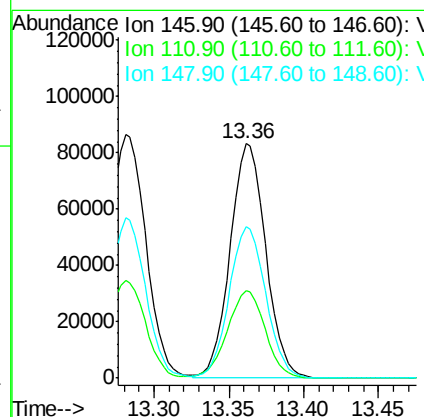
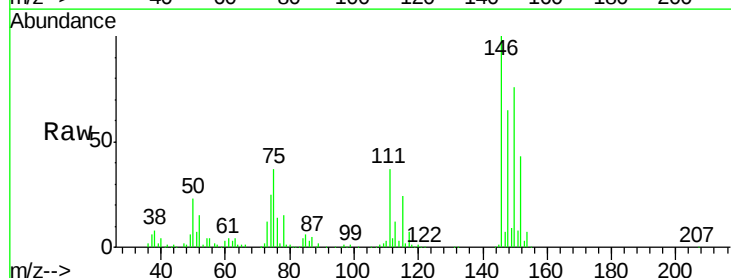
RT: 13.36 min Scan# 3604

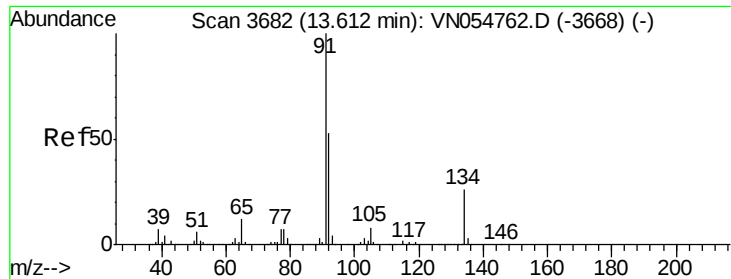
Delta R.T. -0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 138655 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 39.6  | 18.1  | 54.1   |
| 148       | 66.5  | 32.0  | 96.0   |





#89

n-Butylbenzene

Concen: 17.551 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054870.D

Acq: 1 Apr 2019 13:18

Instrument :

MSVOA\_N

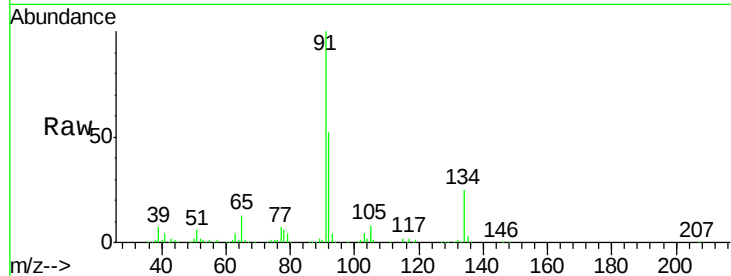
ClientSampled :

VN0401WBS01

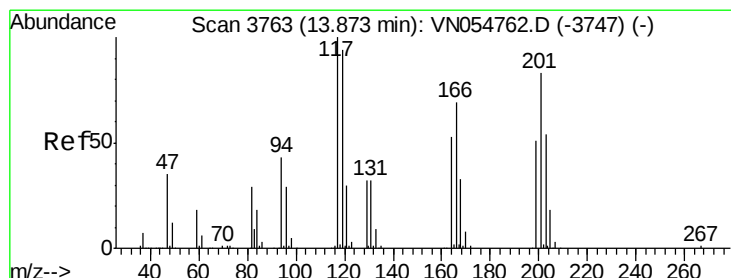
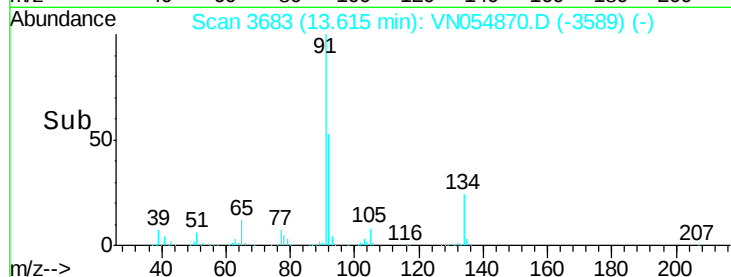
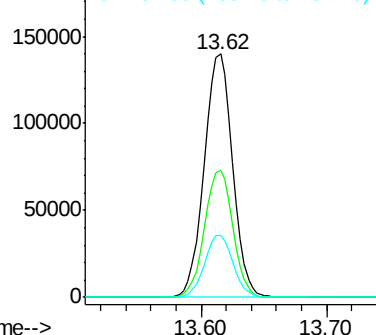
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 91    | Resp: | 219961 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 92        | 52.1  | 26.2  | 78.6   |
| 134       | 25.6  | 14.3  | 42.9   |

Manual Integrations  
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Abundance Ion 91.00 (90.70 to 91.70): VN054870.D (-3670) (-)



#90

Hexachloroethane

Concen: 17.609 ug/l

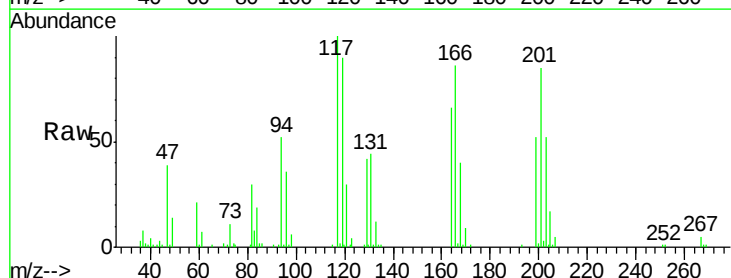
RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

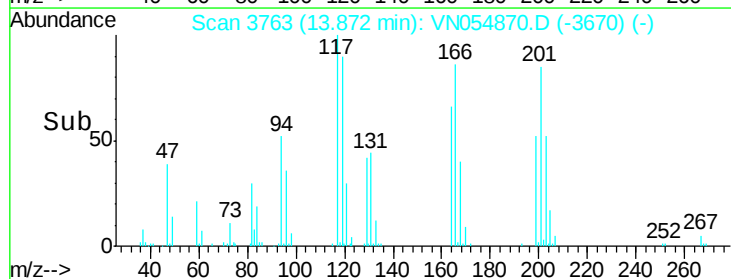
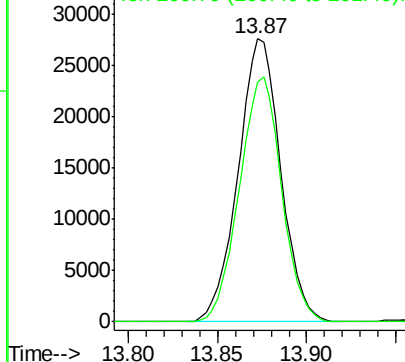
Lab File: VN054870.D

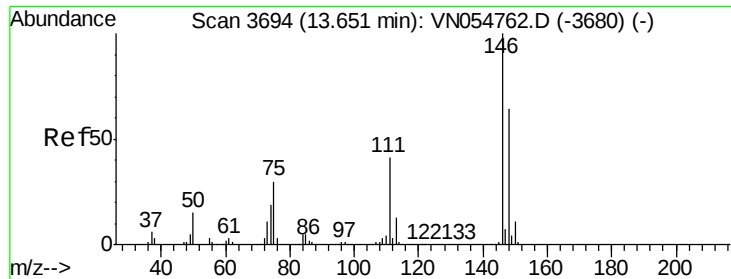
Acq: 1 Apr 2019 13:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 45926 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 201       | 85.7  | 48.1  | 144.4 |



Abundance Ion 116.80 (116.50 to 117.50): VN054870.D (-3670) (-)





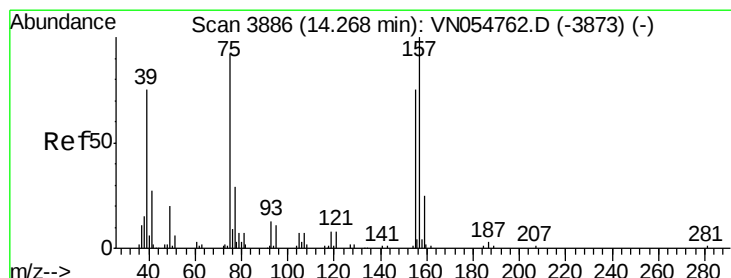
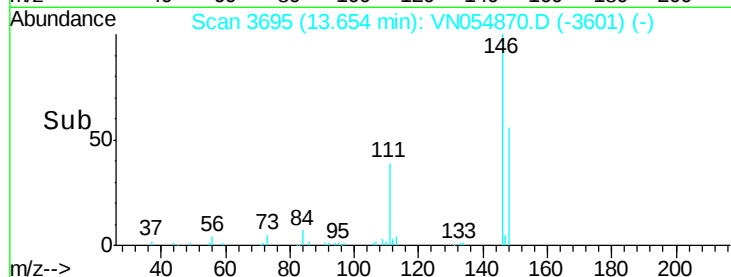
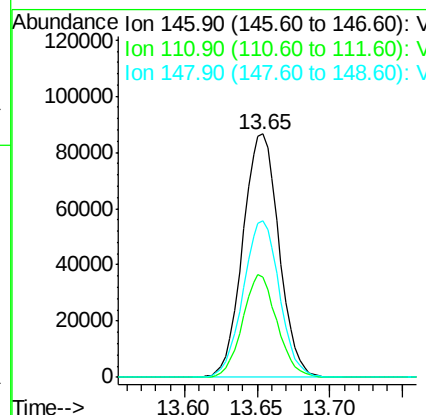
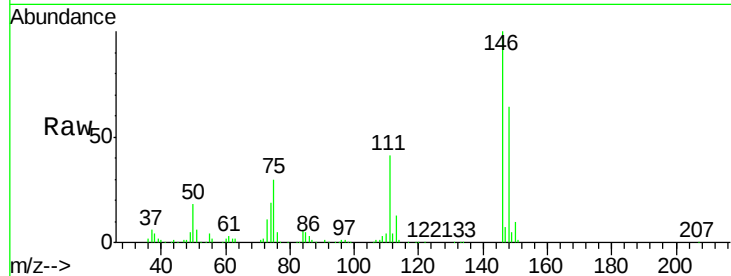
#91  
 1,2-Dichlorobenzene  
 Concen: 18.858 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN054870.D  
 Acq: 1 Apr 2019 13:18

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0401WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 150258 |       |       |
| 111     | 39.9  | 19.1   | 57.3  |       |
| 148     | 64.5  | 32.4   | 97.0  |       |

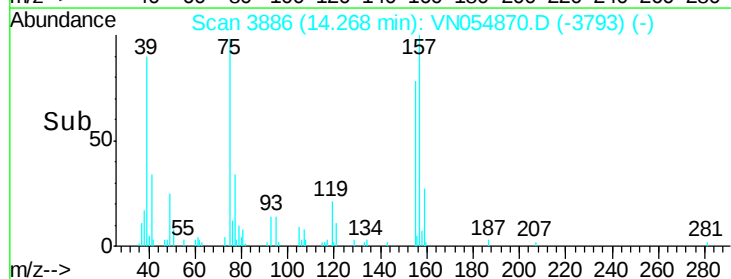
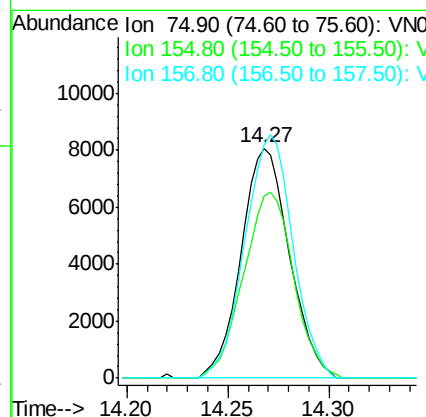
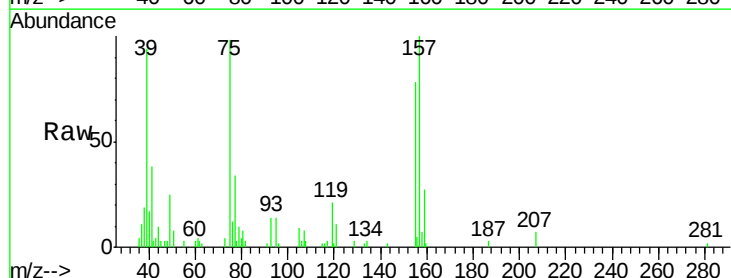
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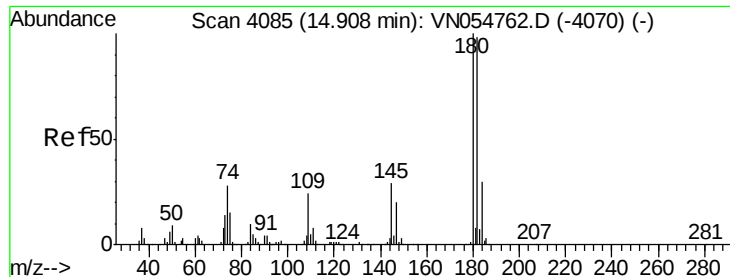
MMDadoda  
 4/2/2019 10:51:39 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.247 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. -0.00 min  
 Lab File: VN054870.D  
 Acq: 1 Apr 2019 13:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 13524 |       |       |
| 155     | 83.9  | 50.1  | 150.3 |       |
| 157     | 105.7 | 63.1  | 189.3 |       |





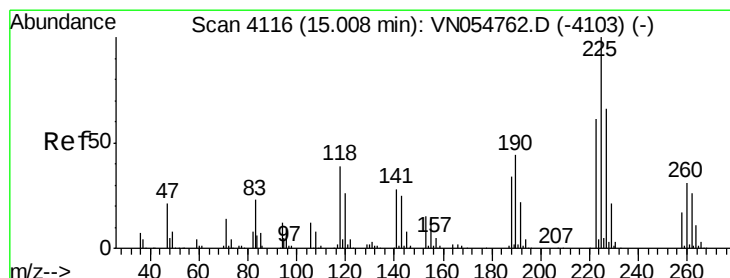
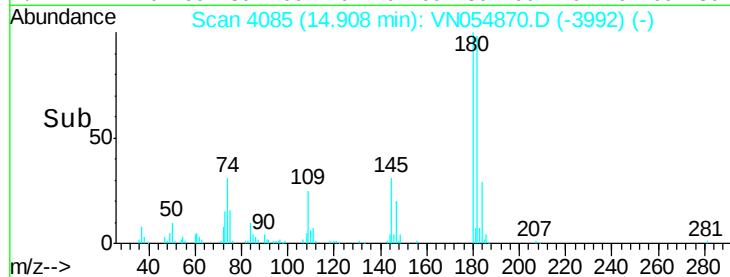
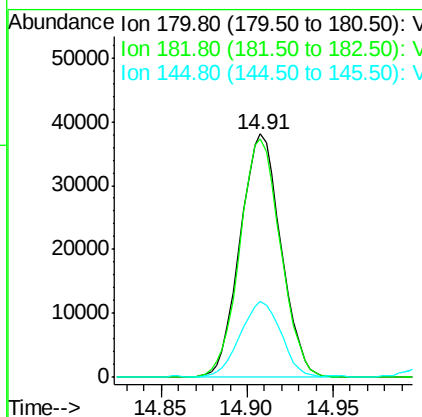
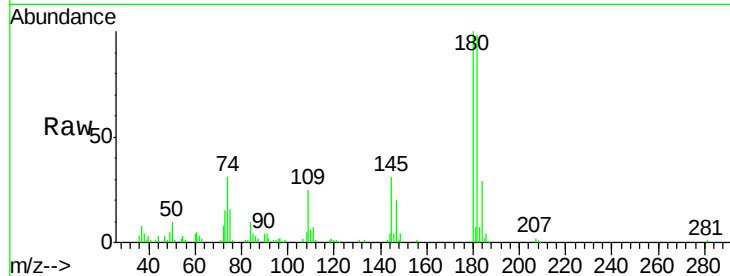
#93  
 1,2,4-Trichlorobenzene  
 Concen: 16.287 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. -0.00 min  
 Lab File: VN054870.D  
 Acq: 1 Apr 2019 13:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0401WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.6  | 48.0  | 144.2 |
| 145     | 31.3  | 14.2  | 42.8  |

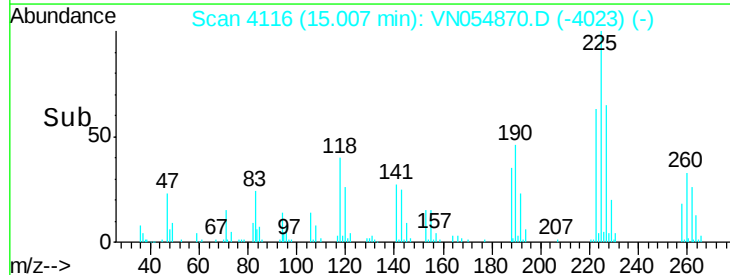
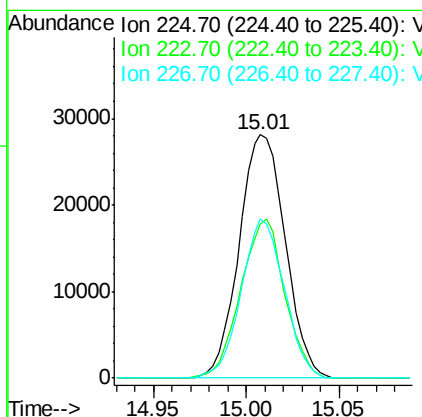
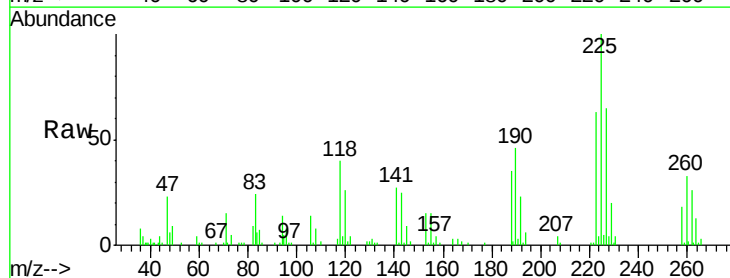
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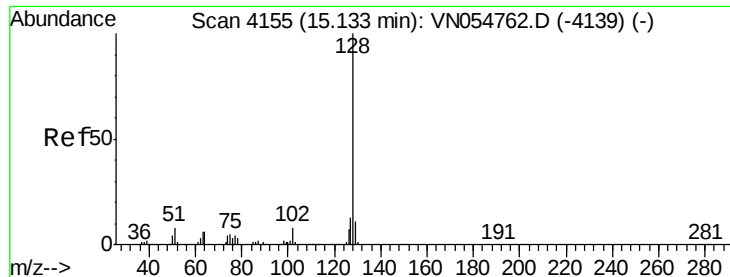
MMDadoda  
 4/2/2019 10:51:39 AM



#94  
 Hexachlorobutadiene  
 Concen: 20.013 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN054870.D  
 Acq: 1 Apr 2019 13:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.5  | 31.1  | 93.5  |
| 227     | 61.1  | 31.9  | 95.9  |





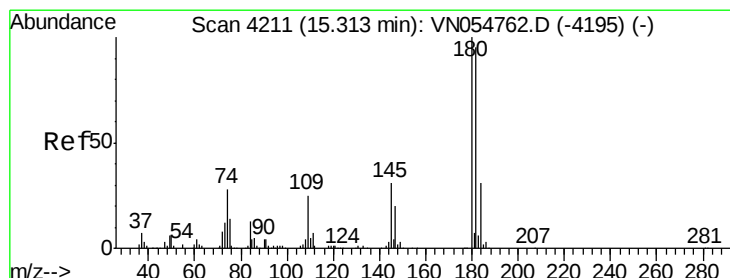
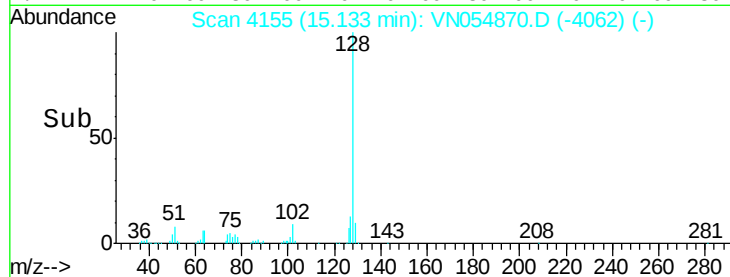
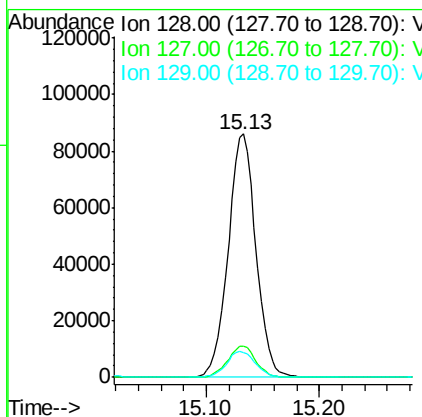
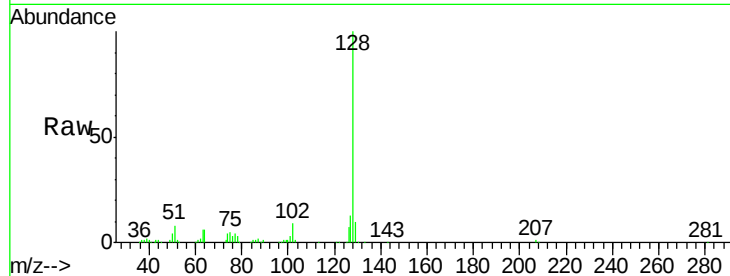
#95  
Naphthalene  
Concen: 17.016 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0401WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 146606 |       |       |
| 127     | 13.1  | 10.1   | 15.1  |       |
| 129     | 11.3  | 8.7    | 13.1  |       |

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#96  
1,2,3-Trichlorobenzene  
Concen: 18.022 ug/l  
RT: 15.31 min Scan# 4211  
Delta R.T. -0.00 min  
Lab File: VN054870.D  
Acq: 1 Apr 2019 13:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 69917 |       |       |
| 182     | 94.6  | 47.5  | 142.6 |       |
| 145     | 30.0  | 14.8  | 44.3  |       |

