

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062519\  
 Data File : VN056475.D  
 Acq On : 25 Jun 2019 10:49  
 Operator : JC/SP  
 Sample : VN0625WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0625WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 6/26/2019 9:28:22 AM

Quant Time: Jun 26 04:09:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061919W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 21 03:45:40 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 364346   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 569814   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 489956   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 182252   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 203066   | 50.29 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.58% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 178983   | 50.35 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.70% |      |
| 50) Toluene-d8            | 10.09  | 98  | 675349   | 48.83 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.66%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 215879   | 46.82 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.64%  |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 62928  | 20.397  | ug/l | 97     |
| 3) Chloromethane              | 2.06 | 50  | 79693  | 18.971  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.18 | 62  | 79517  | 19.599  | ug/l | 98     |
| 5) Bromomethane               | 2.53 | 94  | 49837m | 20.953  | ug/l |        |
| 6) Chloroethane               | 2.68 | 64  | 46655  | 19.857  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 102938 | 19.614  | ug/l | 95     |
| 8) Diethyl Ether              | 3.41 | 74  | 44362  | 19.973  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 67553  | 20.184  | ug/l | 99     |
| 10) Methyl Iodide             | 3.95 | 142 | 86449  | 19.111  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.80 | 59  | 82617  | 121.475 | ug/l | 97     |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 63859  | 19.841  | ug/l | 94     |
| 13) Acrolein                  | 3.60 | 56  | 43419  | 75.747  | ug/l | 98     |
| 14) Allyl chloride            | 4.32 | 41  | 107904 | 20.140  | ug/l | 99     |
| 15) Acrylonitrile             | 4.99 | 53  | 193558 | 102.872 | ug/l | 99     |
| 16) Acetone                   | 3.82 | 43  | 199258 | 98.490  | ug/l | 97     |
| 17) Carbon Disulfide          | 4.05 | 76  | 129498 | 17.690  | ug/l | 98     |
| 18) Methyl Acetate            | 4.33 | 43  | 87238  | 21.522  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 220981 | 20.749  | ug/l | 97     |
| 20) Methylene Chloride        | 4.55 | 84  | 77872  | 19.882  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 67593  | 19.479  | ug/l | 94     |
| 22) Diisopropyl ether         | 5.95 | 45  | 234051 | 20.801  | ug/l | 98     |
| 23) Vinyl Acetate             | 5.90 | 43  | 941691 | 106.108 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 131099 | 20.297  | ug/l | 99     |
| 25) 2-Butanone                | 6.84 | 43  | 272755 | 101.864 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 92929  | 20.686  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 83559  | 20.582  | ug/l | 99     |
| 28) Bromochloromethane        | 7.19 | 49  | 65711  | 20.568  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.22 | 42  | 172517 | 105.430 | ug/l | 100    |
| 30) Chloroform                | 7.37 | 83  | 133086 | 20.881  | ug/l | 97     |
| 31) Cyclohexane               | 7.65 | 56  | 120693 | 19.355  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 105687 | 20.920  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 92386  | 18.420  | ug/l | 98     |
| 37) Ethyl Acetate             | 6.93 | 43  | 104230 | 21.147  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 85141  | 19.413  | ug/l | 100    |

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 Sample : VN0625WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0625WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 6/26/2019 9:28:22 AM

Quant Time: Jun 26 04:09:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061919W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 21 03:45:40 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 117553   | 18.995  | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 300705   | 19.492  | ug/l   | 97       |
| 41) Methacrylonitrile          | 7.17  | 41   | 40808    | 18.750  | ug/l   | 92       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 100817   | 19.802  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 154586   | 20.340  | ug/l   | 99       |
| 44) Trichloroethene            | 8.83  | 130  | 81538    | 19.621  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 81991    | 19.873  | ug/l   | 97       |
| 46) Dibromomethane             | 9.21  | 93   | 52920    | 20.501  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 93397    | 20.401  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.20  | 41   | 74045    | 19.442  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 33958    | 429.651 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 496561   | 101.228 | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 185462   | 19.663  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 94714    | 19.627  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 113607   | 20.607  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 76839    | 20.267  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 110982   | 20.031  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 128253   | 20.137  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 173228   | 87.029  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 358700   | 99.492  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 70631    | 19.643  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 78220    | 20.201  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 76587    | 19.739  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 197931   | 20.105  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 71504    | 21.490  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 343518   | 19.872  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 255081   | 40.265  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 127225   | 20.299  | ug/l   | 98       |
| 70) Styrene                    | 11.96 | 104  | 202450   | 20.208  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 48174    | 19.961  | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.25 | 105  | 340796   | 23.470  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 124967   | 21.545  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 105079   | 23.144  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 85332m   | 22.580  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 85111    | 20.885  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.59 | 91   | 350295   | 20.988  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 218275   | 22.457  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 273775   | 22.632  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 23314    | 21.927  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 201218   | 20.419  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 243128   | 22.826  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 256528   | 20.908  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 311623   | 21.243  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 261941   | 20.807  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 125482   | 20.319  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 119753   | 20.022  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.61 | 91   | 181127   | 19.005  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 41597    | 21.193  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 126571   | 20.657  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 14008    | 20.772  | ug/l   | 99       |

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Acq On : 25 Jun 2019 10:49  
Operator : JC/SP  
Sample : VN0625WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0625WBSD01

Manual Integrations  
APPROVED

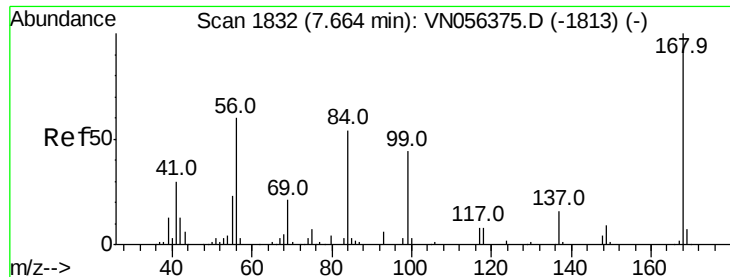
MMDadoda  
6/26/2019 9:28:22 AM

Quant Time: Jun 26 04:09:43 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061919W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 21 03:45:40 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 41383    | 17.127 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 48381    | 22.258 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 119071   | 18.025 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 50805    | 18.471 | ug/l  | 96       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

Instrument :

MSVOA\_N

ClientSampleId :

VN0625WBSD01

Tot Ion:168 Resp: 364346

Ion Ratio Lower Upper

168 100

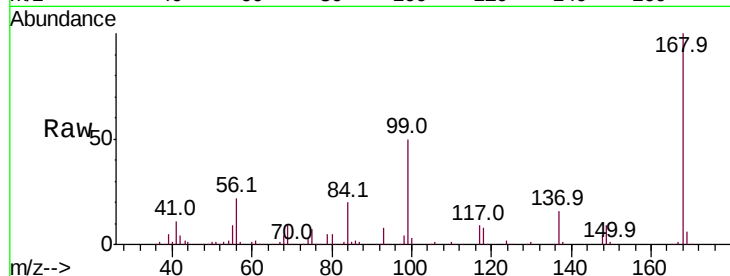
99 50.1 40.6 61.0

Manual Integrations

APPROVED

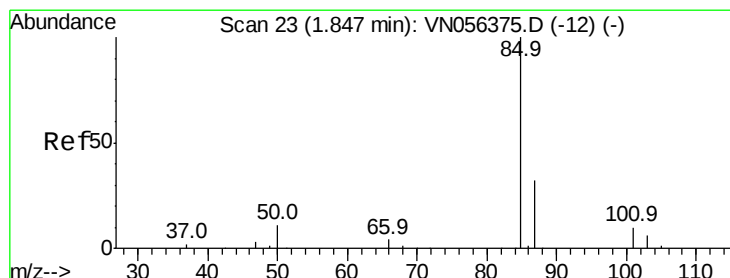
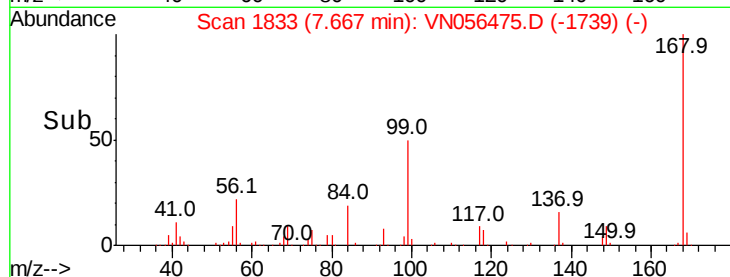
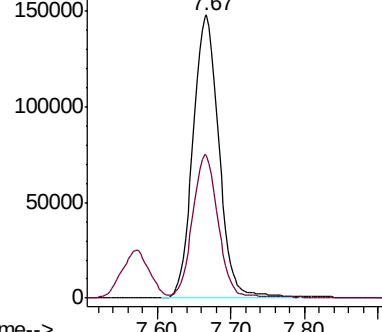
MMDadoda

6/26/2019 9:28:22 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.397 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056475.D

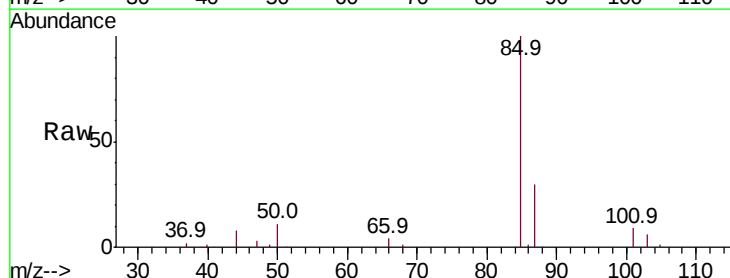
Acq: 25 Jun 2019 10:49

Tgt Ion: 85 Resp: 62928

Ion Ratio Lower Upper

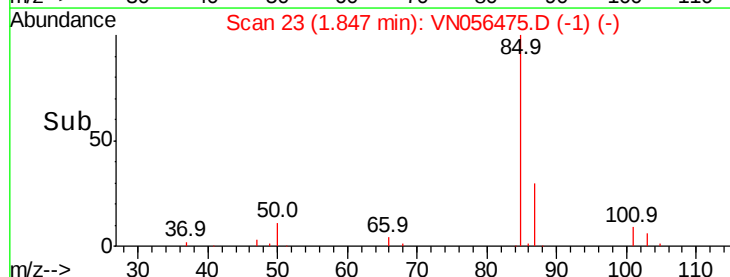
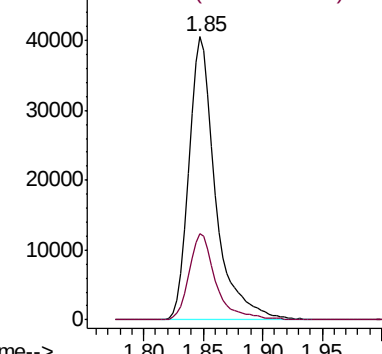
85 100

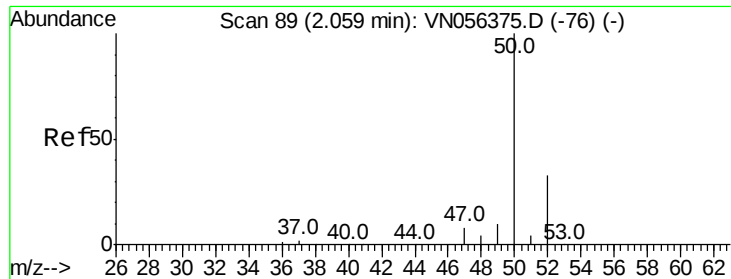
87 30.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.971 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

Instrument :

MSVOA\_N

ClientSampleId :

VN0625WBSD01

Tot Ion: 50 Resp: 79693

Ion Ratio Lower Upper

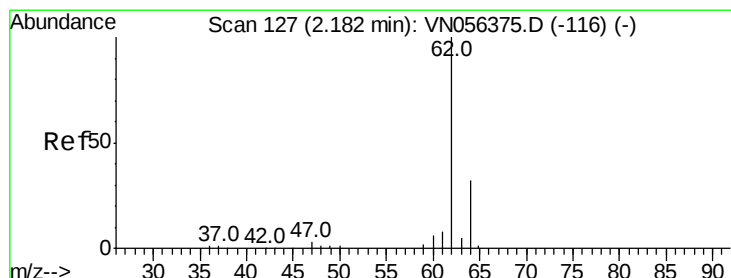
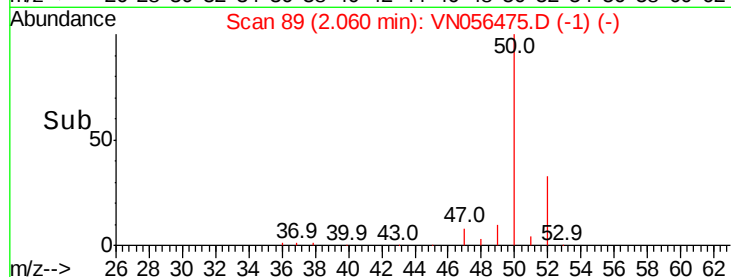
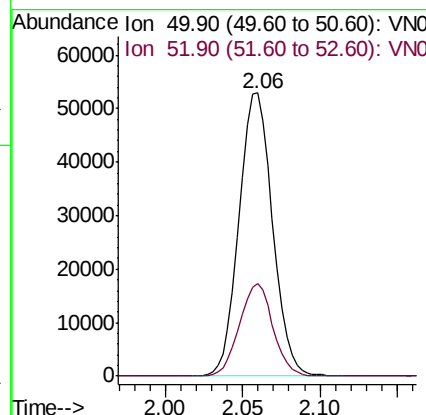
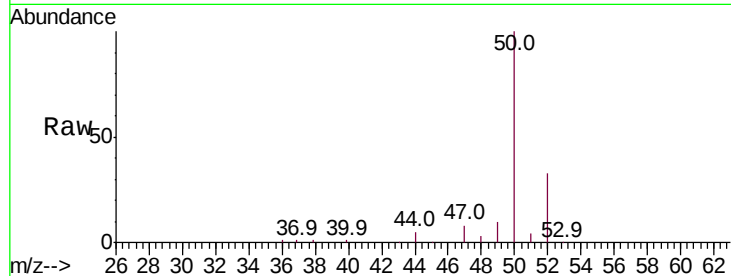
50 100

52 32.7 26.5 39.7

Manual Integrations  
APPROVED

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6/26/2019 9:28:22 AM



#4

Vinyl Chloride

Concen: 19.599 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056475.D

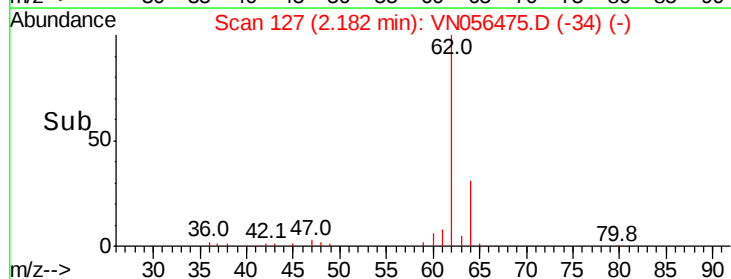
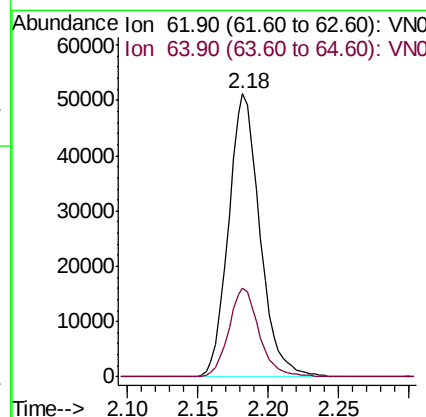
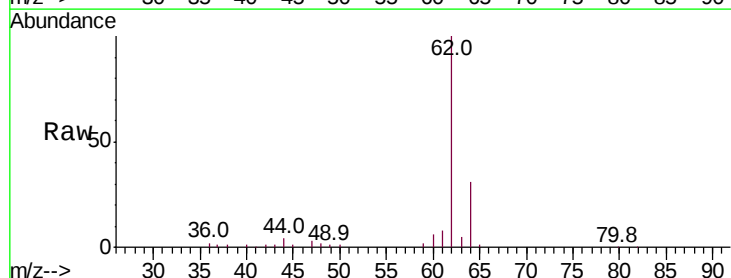
Acq: 25 Jun 2019 10:49

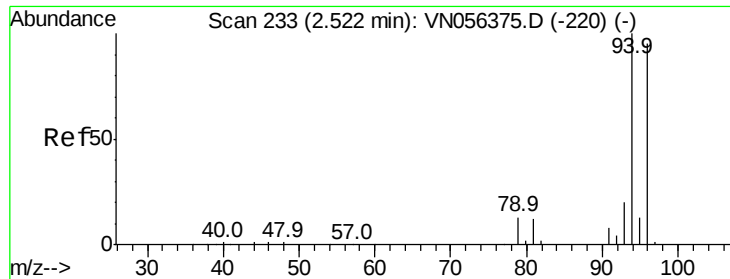
Tgt Ion: 62 Resp: 79517

Ion Ratio Lower Upper

62 100

64 31.3 25.7 38.5





#5

Bromomethane

Concen: 20.953 ug/l m

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

Instrument :

MSVOA\_N

ClientSampleId :

VN0625WBSD01

Tot Ion: 94 Resp: 49837

Ion Ratio Lower Upper

94 100

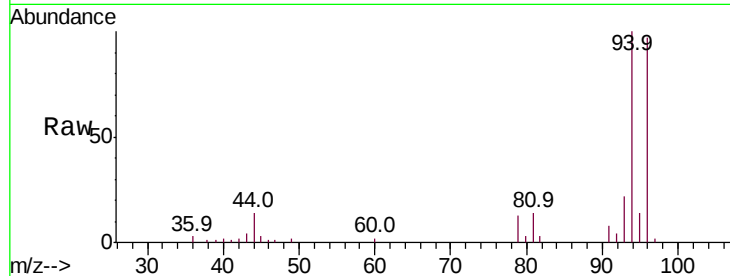
96 97.5 76.0 114.0

Manual Integrations

APPROVED

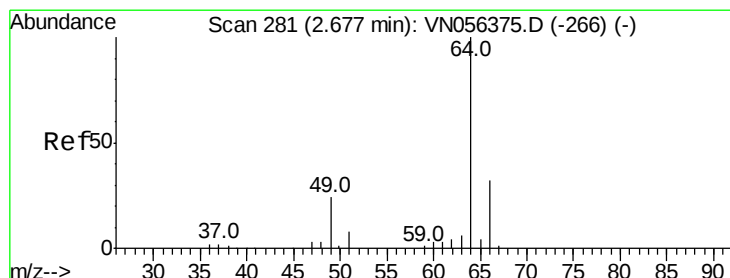
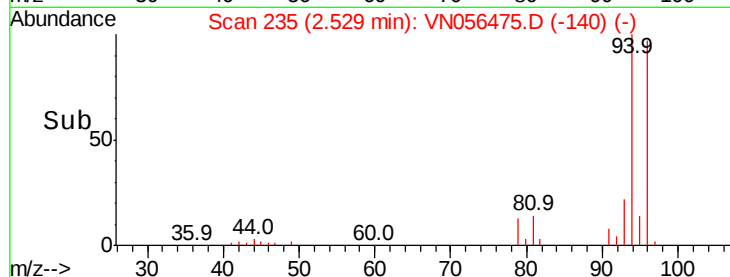
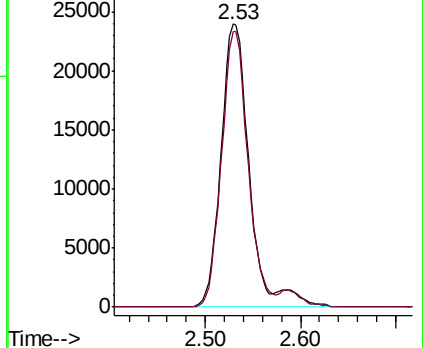
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.857 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN056475.D

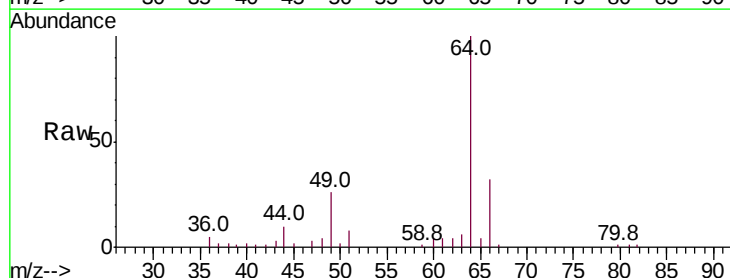
Acq: 25 Jun 2019 10:49

Tgt Ion: 64 Resp: 46655

Ion Ratio Lower Upper

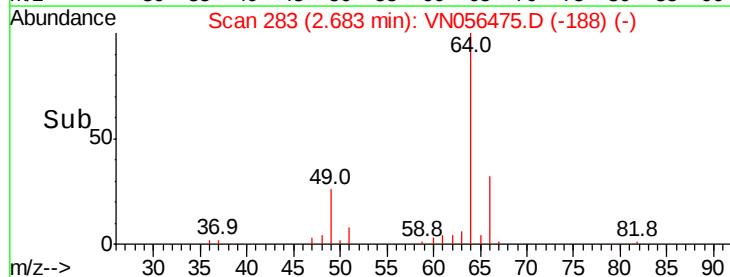
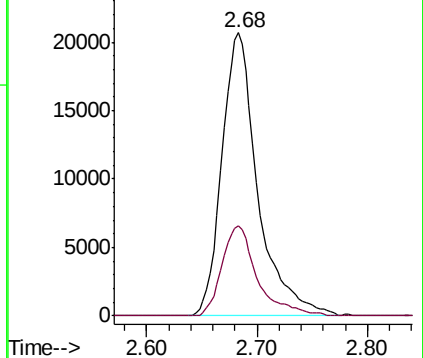
64 100

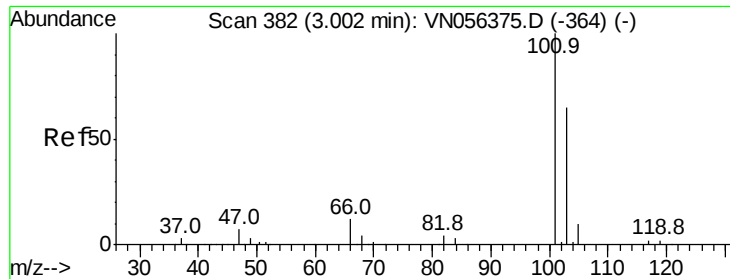
66 31.7 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

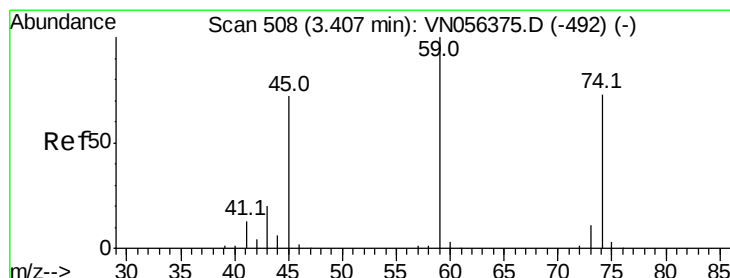
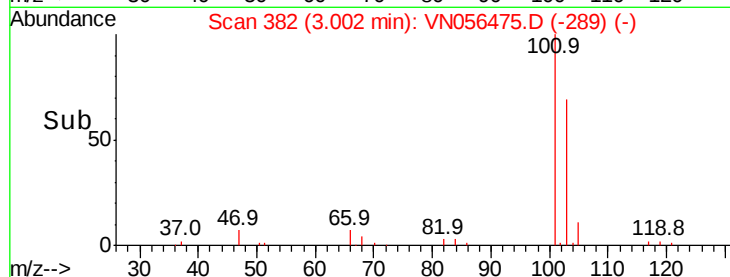
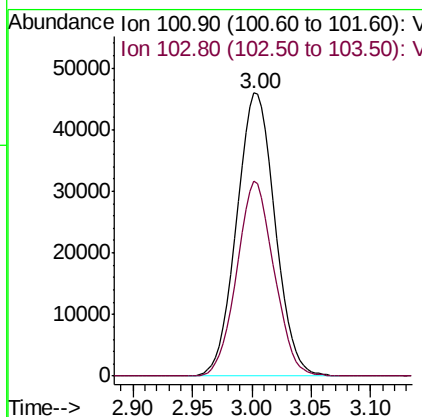
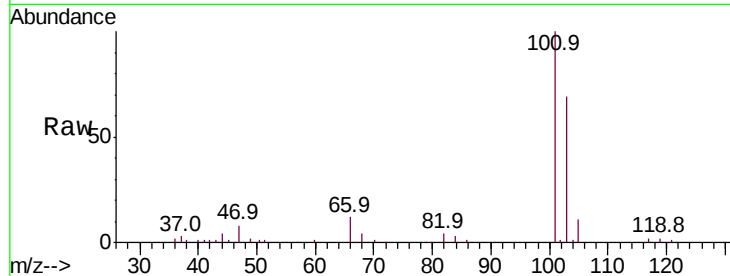
Trichlorofluoromethane  
 Concen: 19.614 ug/l  
 RT: 3.00 min Scan# 382  
 Delta R.T. 0.00 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0625WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 68.8  | 51.7  | 77.5  |

Manual Integrations  
 APPROVED

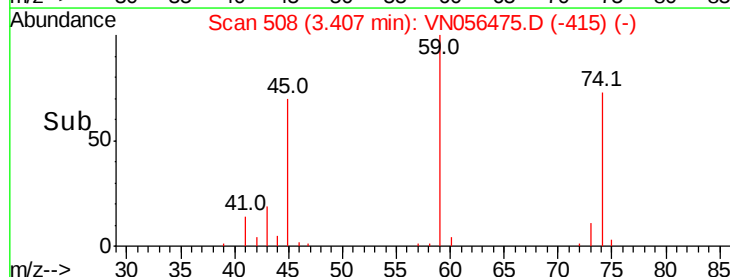
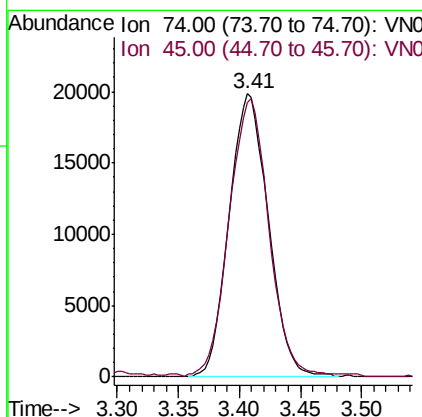
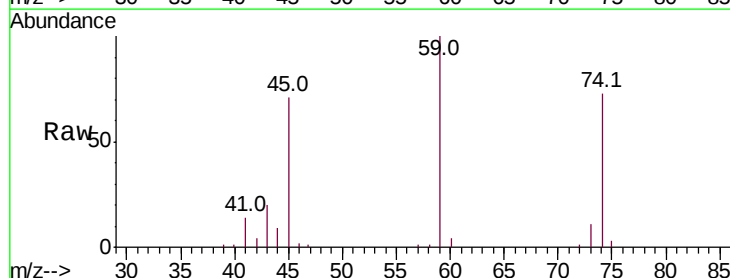
MMDadoda  
 6/26/2019 9:28:22 AM

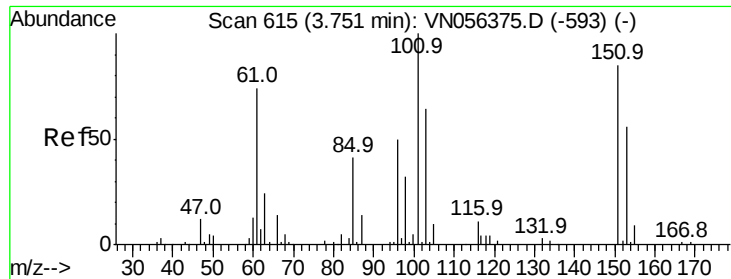


#8

Diethyl Ether  
 Concen: 19.973 ug/l  
 RT: 3.41 min Scan# 508  
 Delta R.T. 0.00 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 99.9  | 48.9  | 146.6 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.184 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

Instrument :

MSVOA\_N

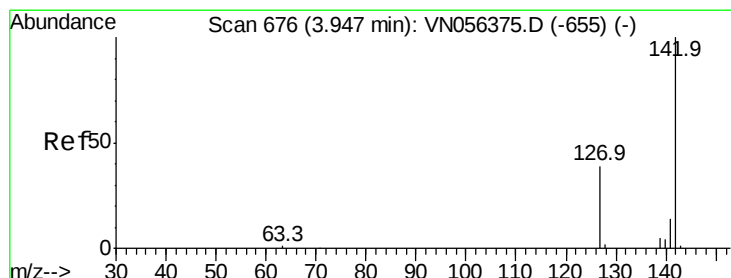
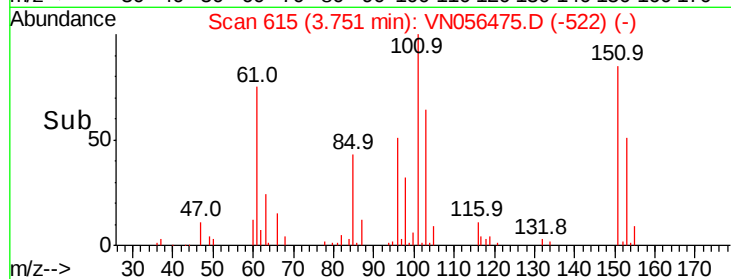
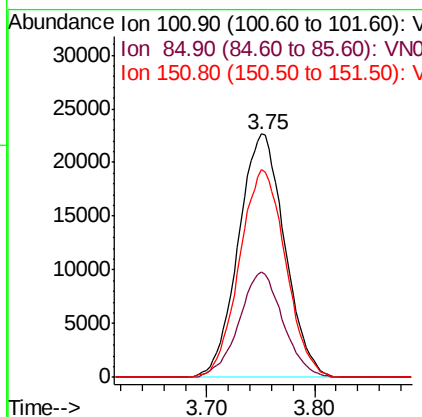
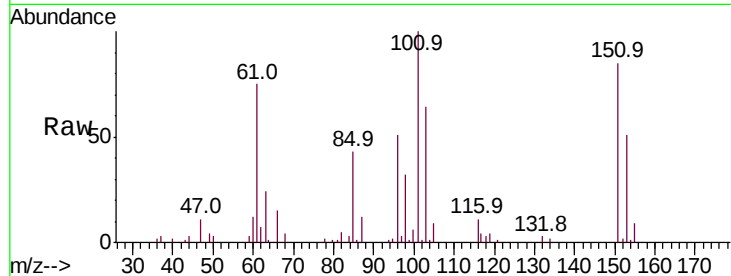
ClientSampleId :

VN0625WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 67553 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 41.0  | 32.7  | 49.1  |
| 151       | 84.9  | 66.8  | 100.2 |

Manual Integrations  
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MMDadoda  
6/26/2019 9:28:22 AM



#10

Methyl Iodide

Concen: 19.111 ug/l

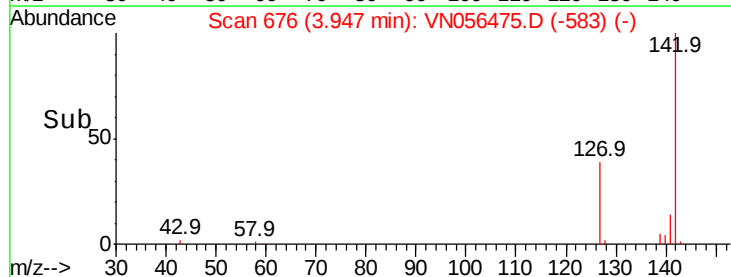
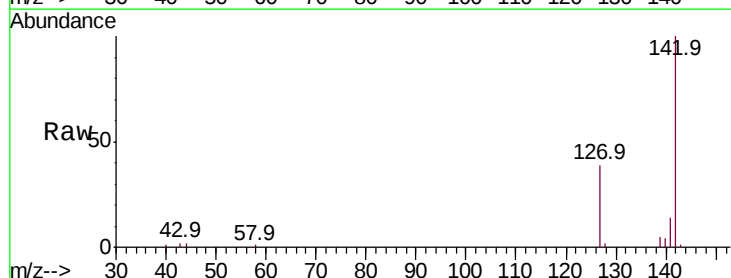
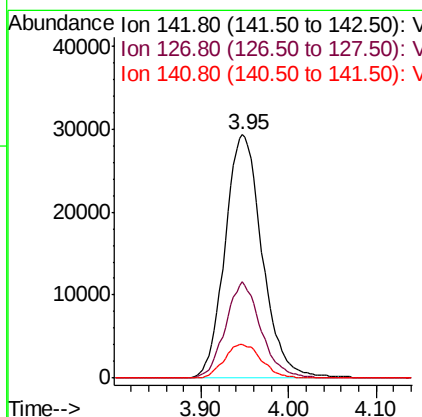
RT: 3.95 min Scan# 676

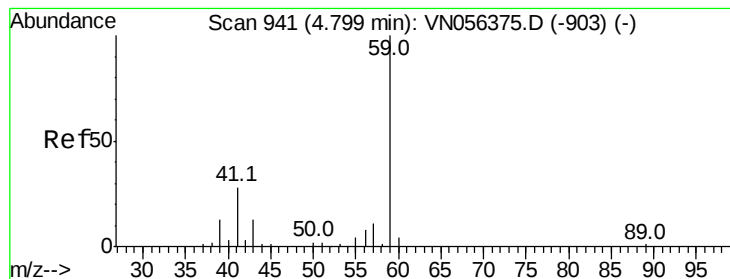
Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 86449 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 37.7  | 30.6  | 46.0  |
| 141       | 13.7  | 11.4  | 17.2  |





#11

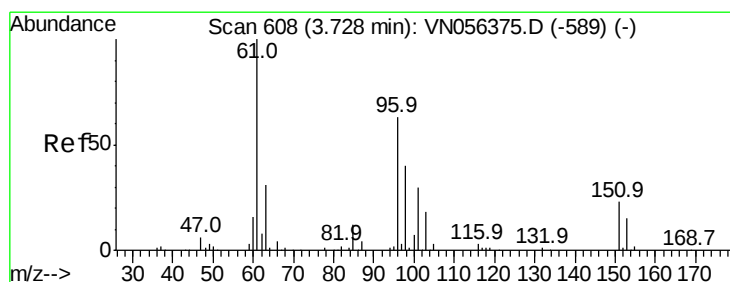
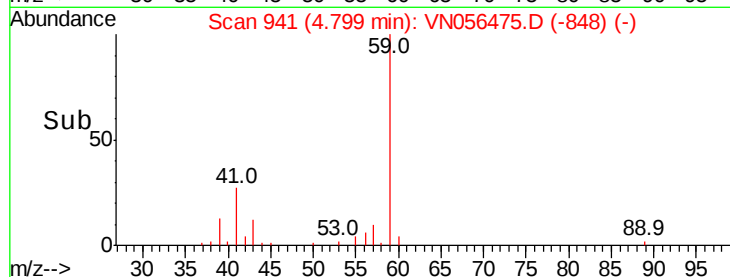
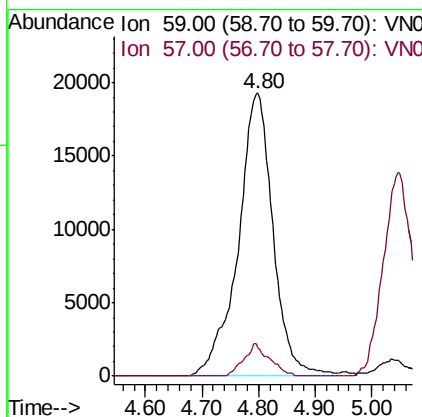
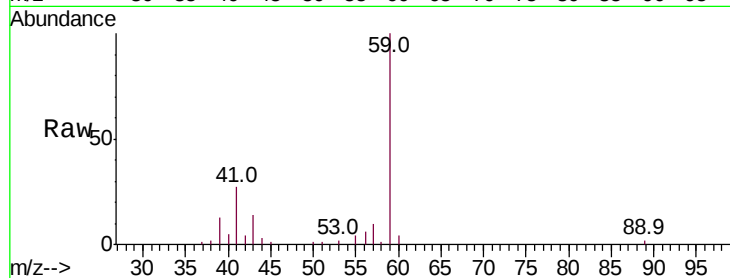
Tert butyl alcohol  
Concen: 121.475 ug/l  
RT: 4.80 min Scan# 941  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0625WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 8.3   | 7.6   | 11.4  |

Manual Integrations  
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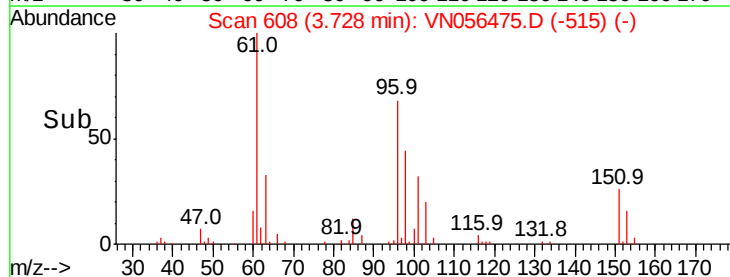
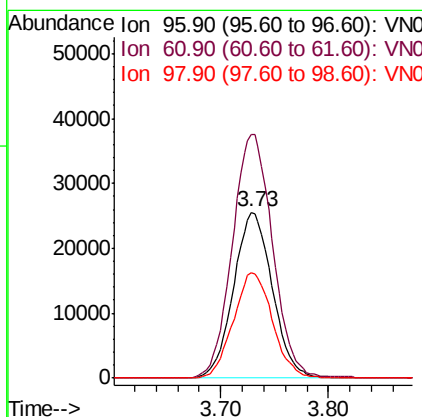
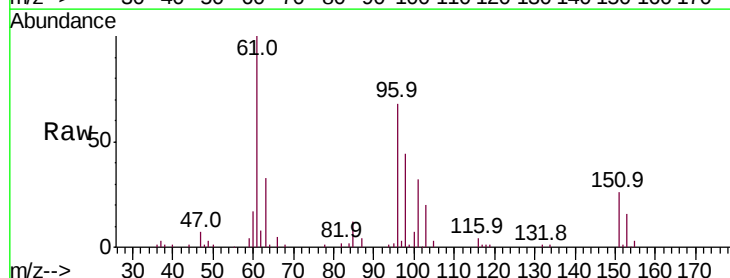
MMDadoda  
6/26/2019 9:28:22 AM

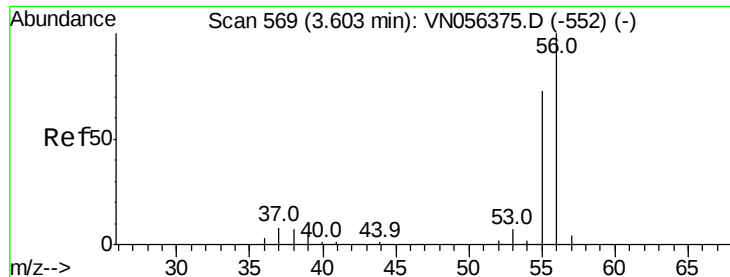


#12

1,1-Dichloroethene  
Concen: 19.841 ug/l  
RT: 3.73 min Scan# 608  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 147.1 | 126.6 | 190.0 |
| 98      | 64.0  | 51.1  | 76.7  |





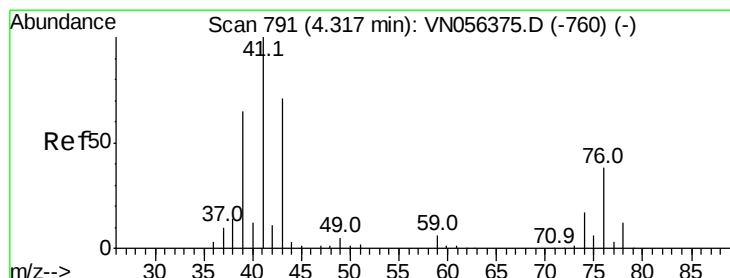
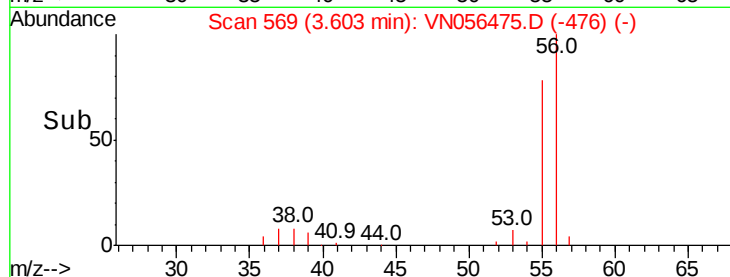
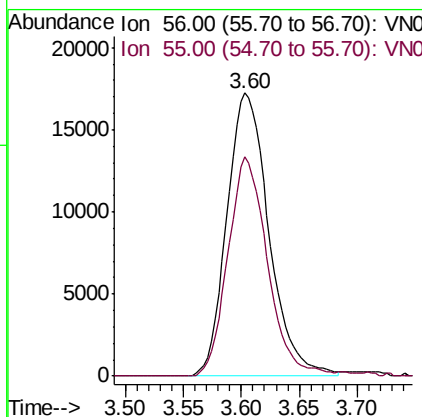
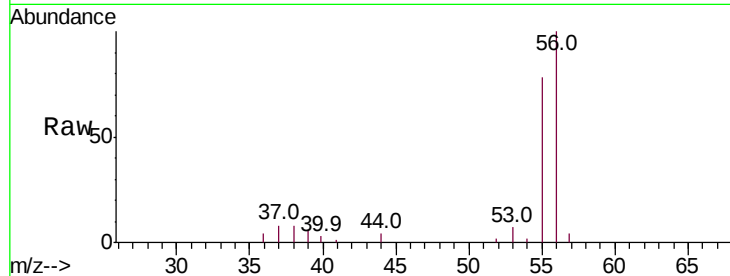
#13  
Acrolein  
Concen: 75.747 ug/l  
RT: 3.60 min Scan# 569  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0625WBSD01

Tot Ion: 56 Resp: 43419  
Ion Ratio Lower Upper  
56 100  
55 72.7 57.1 85.7

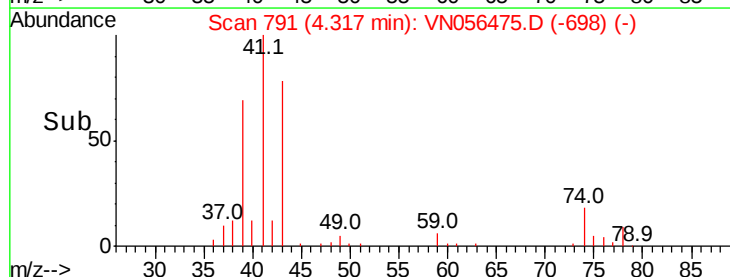
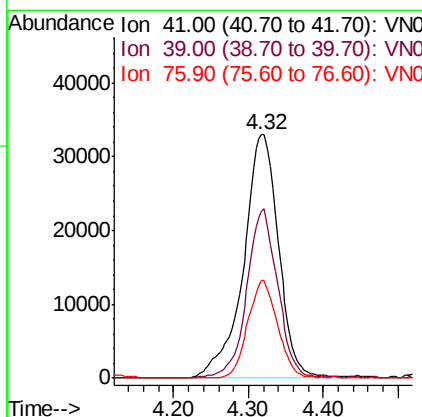
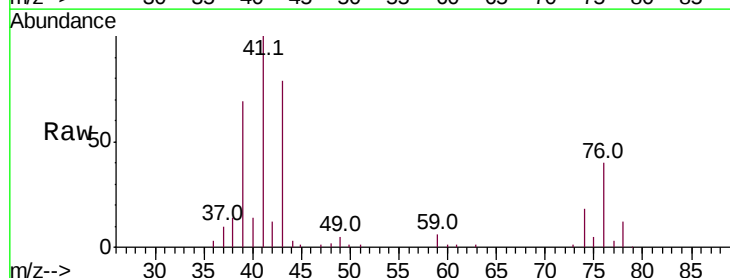
Manual Integrations  
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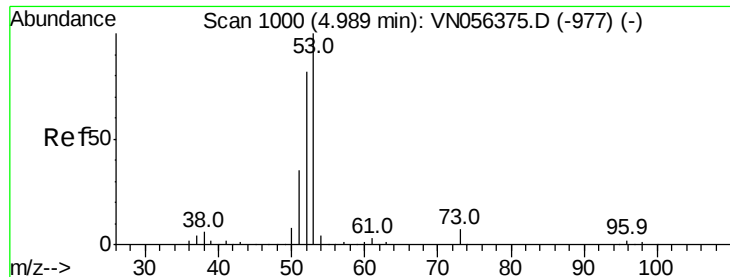
MMDadoda  
6/26/2019 9:28:22 AM



#14  
Allyl chloride  
Concen: 20.140 ug/l  
RT: 4.32 min Scan# 791  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Tgt Ion: 41 Resp: 107904  
Ion Ratio Lower Upper  
41 100  
39 61.1 48.6 73.0  
76 33.9 26.6 40.0





#15

Acrylonitrile

Concen: 102.872 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

Instrument :

MSVOA\_N

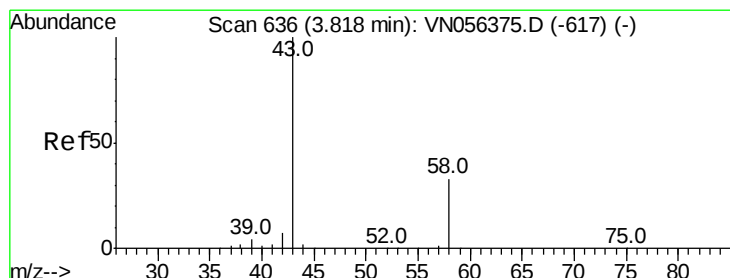
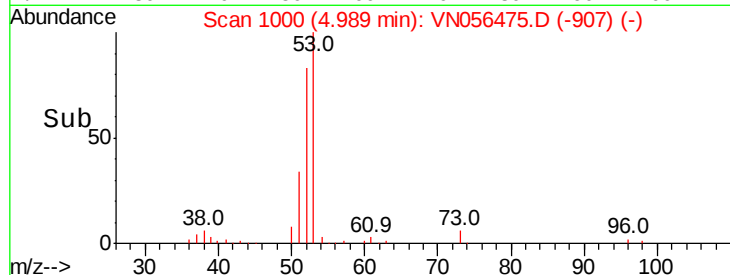
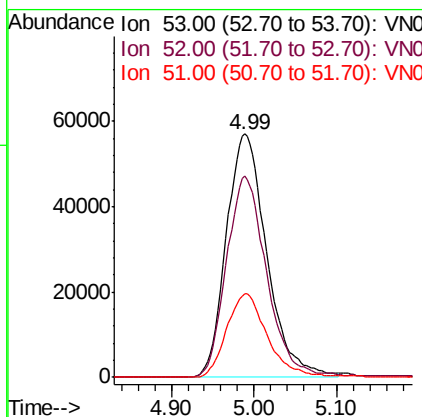
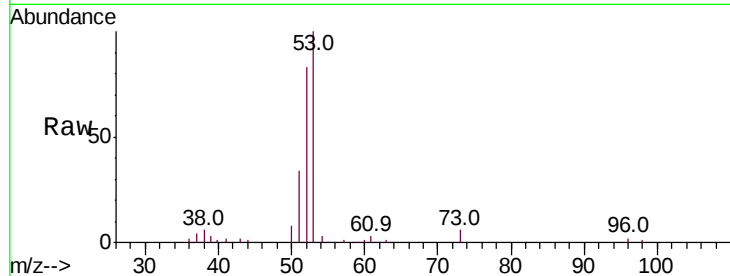
ClientSampleId :

VN0625WBSD01

| Tot Ion | 53    | Resp  | 193558 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 53      | 100   |       |        |
| 52      | 81.6  | 65.9  | 98.9   |
| 51      | 34.6  | 28.3  | 42.5   |

Manual Integrations  
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6/26/2019 9:28:22 AM



#16

Acetone

Concen: 98.490 ug/l

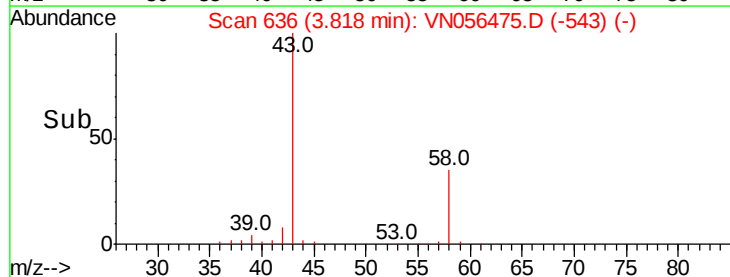
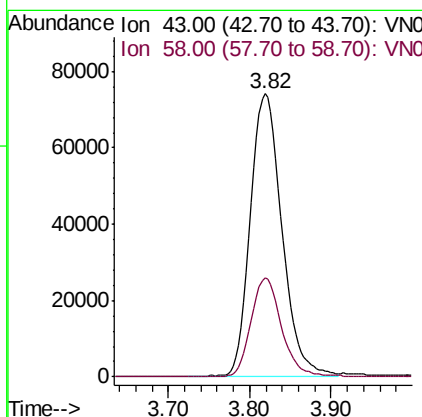
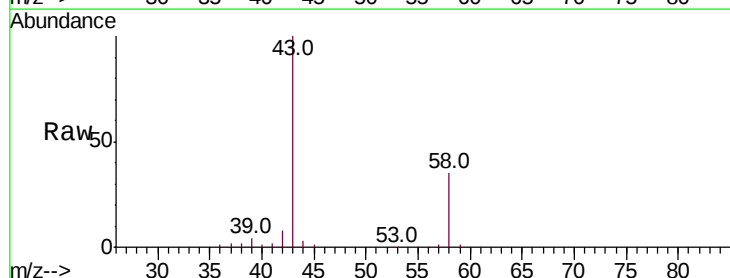
RT: 3.82 min Scan# 636

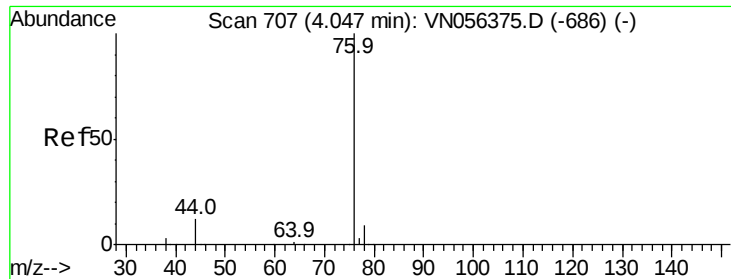
Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

| Tgt Ion | 43    | Resp  | 199258 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 43      | 100   |       |        |
| 58      | 34.9  | 26.4  | 39.6   |





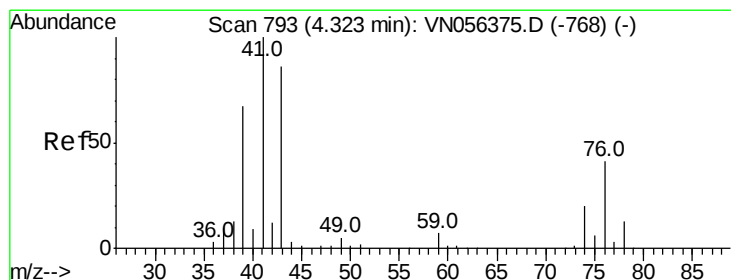
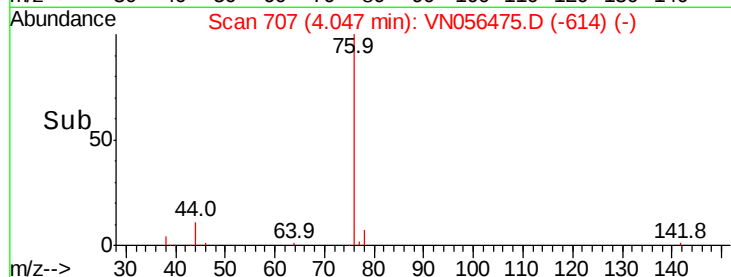
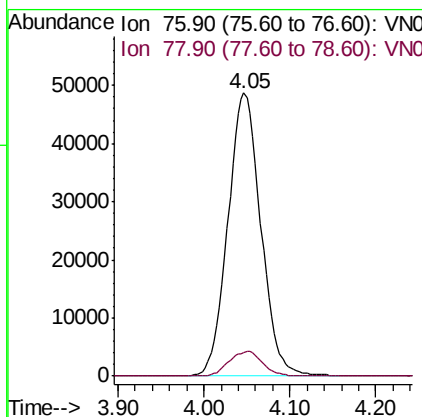
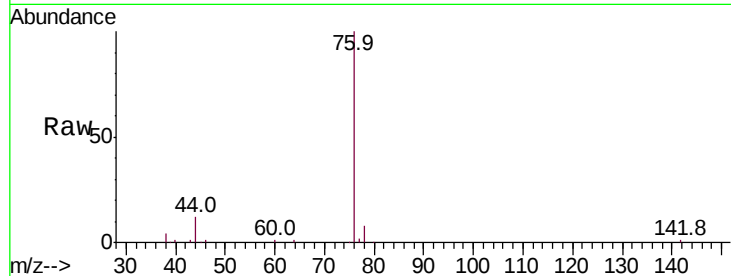
#17  
Carbon Disulfide  
Concen: 17.690 ug/l  
RT: 4.05 min Scan# 707  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0625WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.4   | 7.1   | 10.7  |

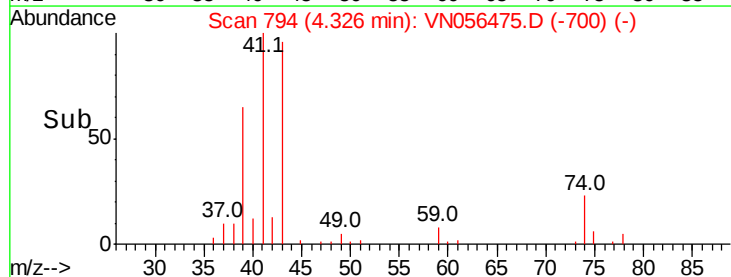
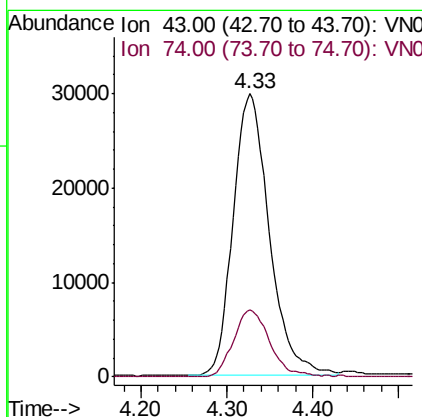
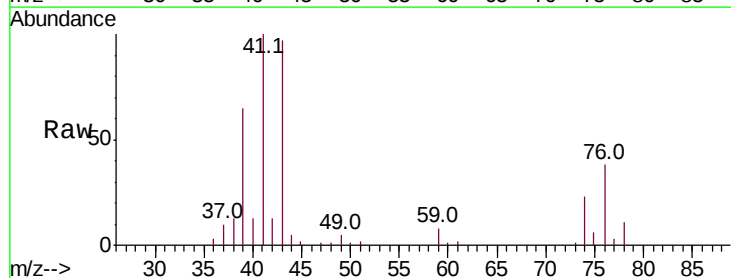
Manual Integrations  
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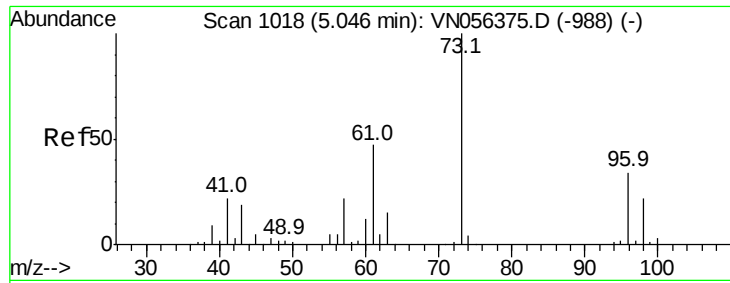
MMDadoda  
6/26/2019 9:28:22 AM



#18  
Methyl Acetate  
Concen: 21.522 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.8  | 19.2  | 28.8  |





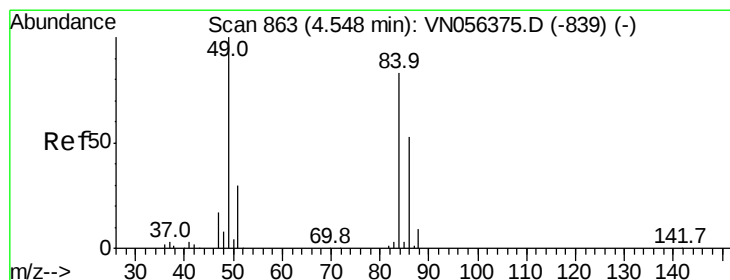
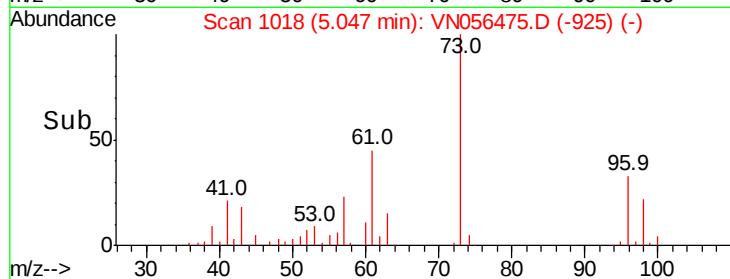
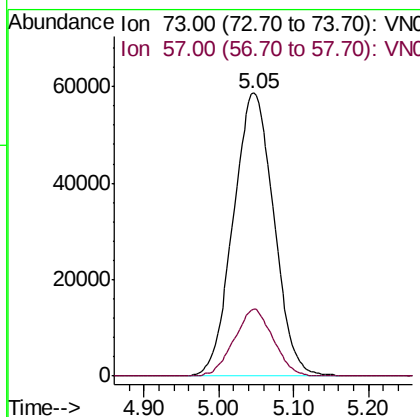
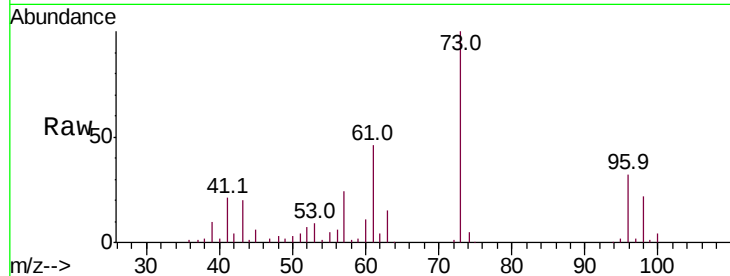
#19  
Methvl tert-butvl Ether  
Concen: 20.749 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0625WBSD01

Tot Ion: 73 Resp: 220981  
Ion Ratio Lower Upper  
73 100  
57 23.7 17.9 26.9

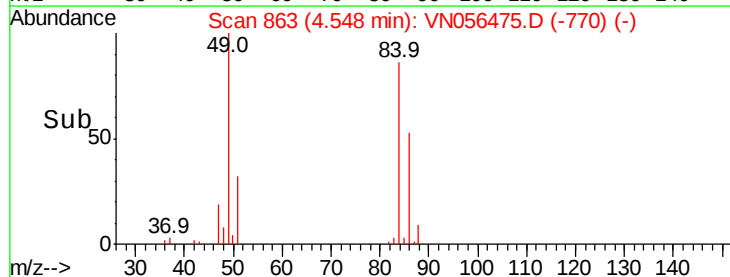
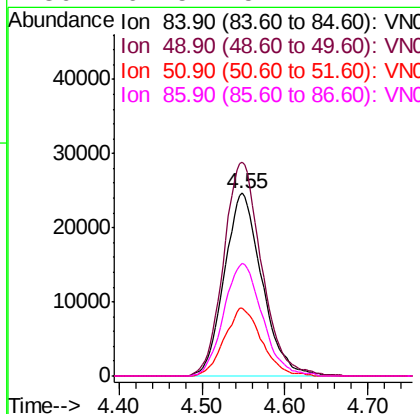
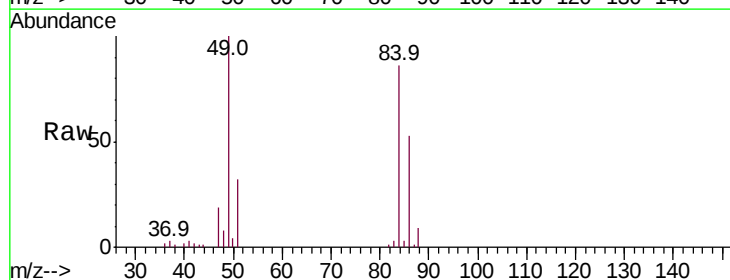
Manual Integrations  
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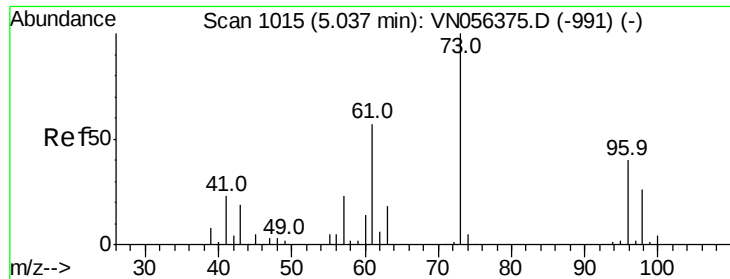
MMDadoda  
6/26/2019 9:28:22 AM



#20  
Methylene Chloride  
Concen: 19.882 ug/l  
RT: 4.55 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Tgt Ion: 84 Resp: 77872  
Ion Ratio Lower Upper  
84 100  
49 116.9 96.4 144.6  
51 36.9 28.6 43.0  
86 61.5 51.4 77.2





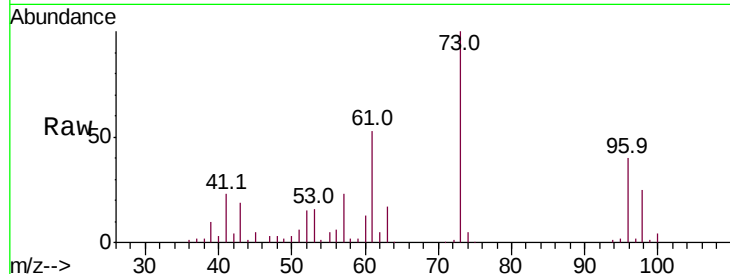
#21  
trans-1,2-Dichloroethene  
Concen: 19.479 ug/l  
RT: 5.04 min Scan# 1015  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0625WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 131.3 | 113.0 | 169.6 |
| 98      | 62.9  | 52.2  | 78.2  |

Manual Integrations  
APPROVED

MMDadoda  
6/26/2019 9:28:22 AM

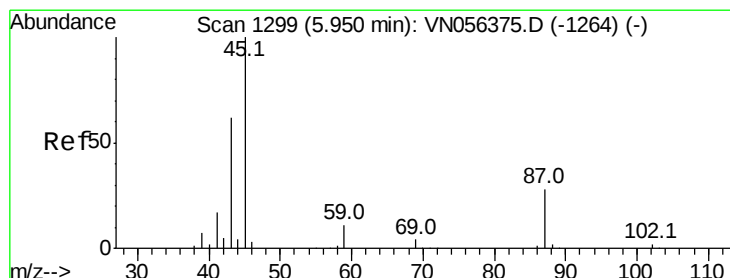
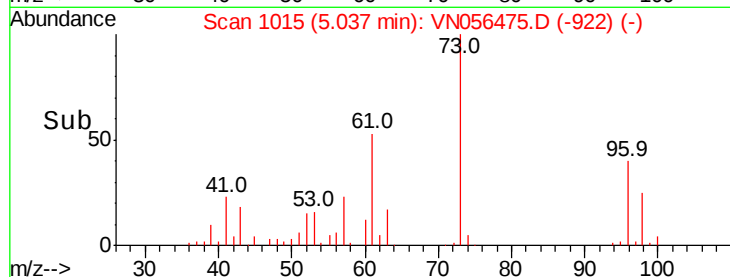
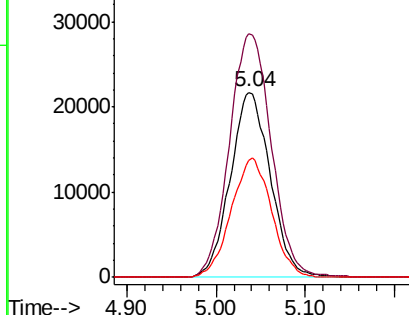


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22  
Diisopropyl ether  
Concen: 20.801 ug/l  
RT: 5.95 min Scan# 1299  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 63.9  | 50.4  | 75.6  |
| 87      | 26.8  | 23.0  | 34.4  |
| 59      | 11.4  | 9.1   | 13.7  |

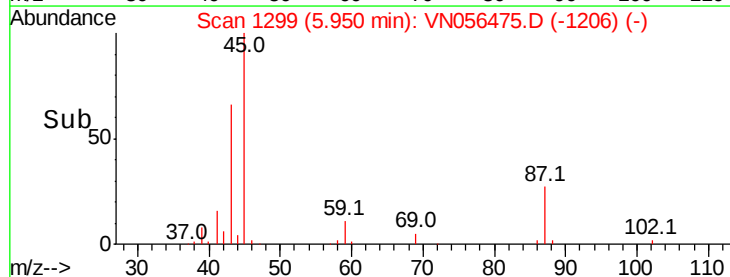
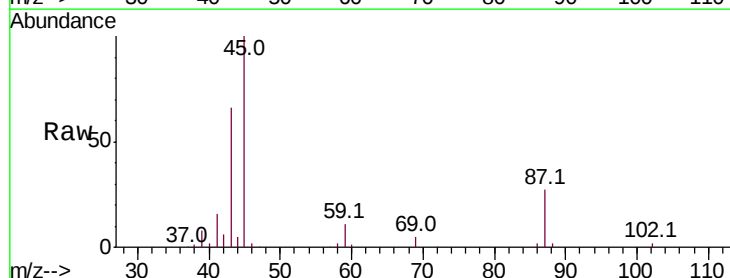
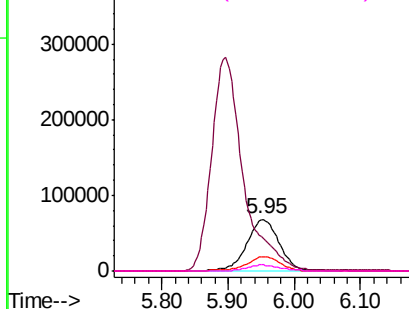
Abundance

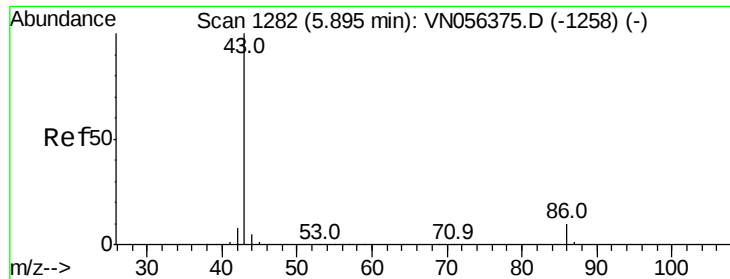
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





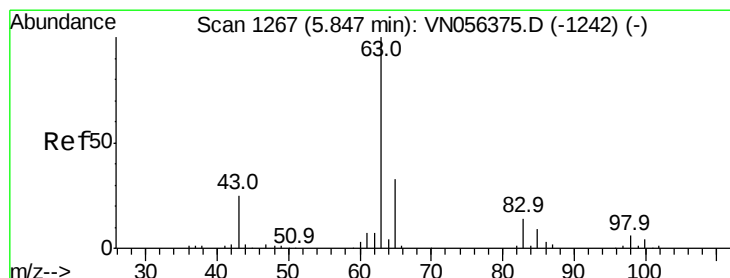
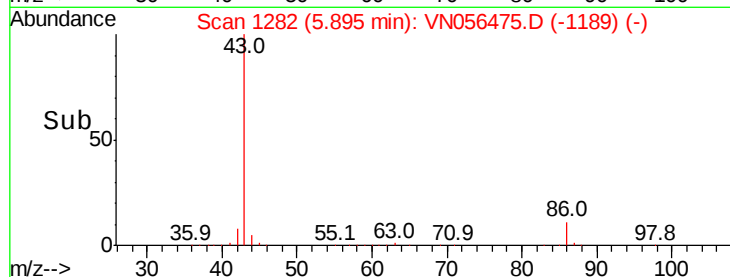
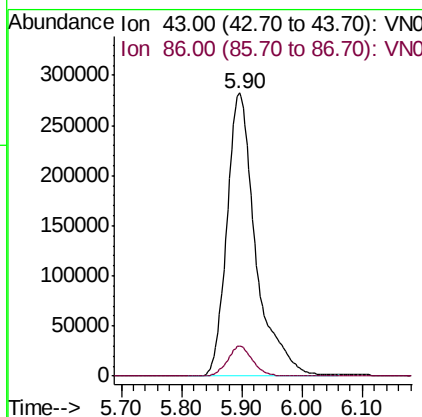
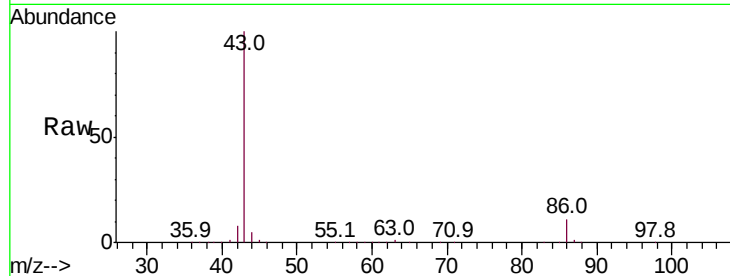
#23  
 Vinyl Acetate  
 Concen: 106.108 ug/l  
 RT: 5.90 min Scan# 1282  
 Delta R.T. 0.00 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0625WBSD01

| Tot Ion   | 43   | Resp  | 941691 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 86        | 10.7 | 8.3   | 12.5   |

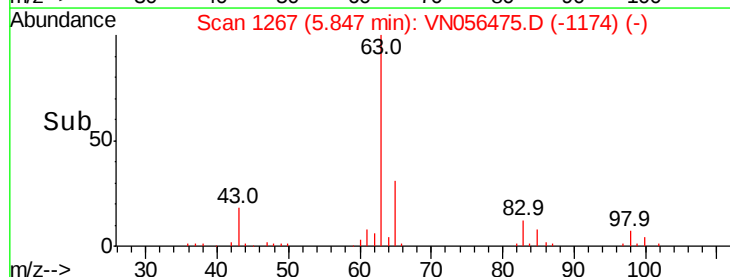
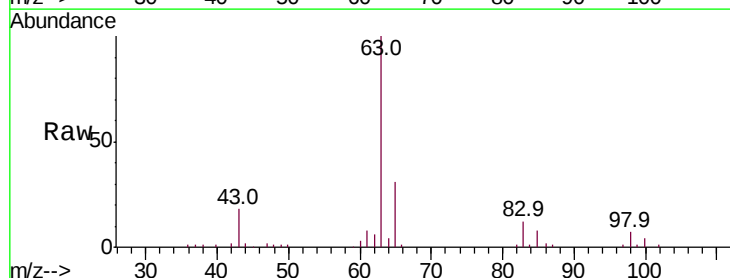
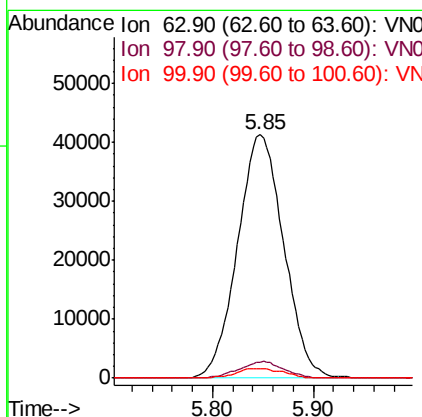
Manual Integrations  
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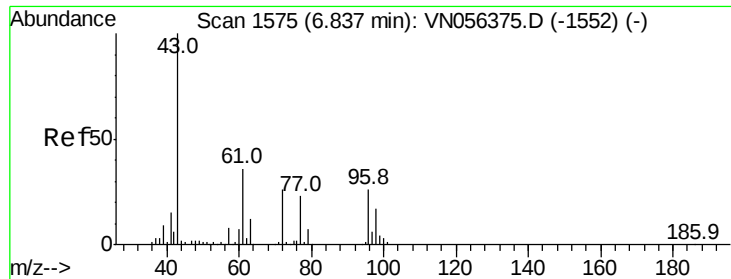
MMDadoda  
 6/26/2019 9:28:22 AM



#24  
 1,1-Dichloroethane  
 Concen: 20.297 ug/l  
 RT: 5.85 min Scan# 1267  
 Delta R.T. 0.00 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

| Tgt Ion   | 63  | Resp  | 131099 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 98        | 6.7 | 3.2   | 9.6    |
| 100       | 3.7 | 2.1   | 6.5    |





#25

2-Butanone

Concen: 101.864 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

Instrument :

MSVOA\_N

ClientSampleId :

VN0625WBSD01

Tot Ion: 43 Resp: 272755

Ion Ratio Lower Upper

43 100

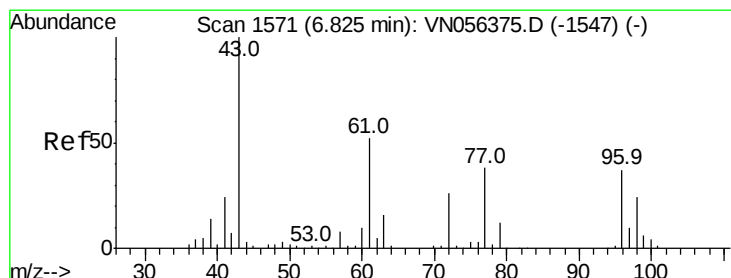
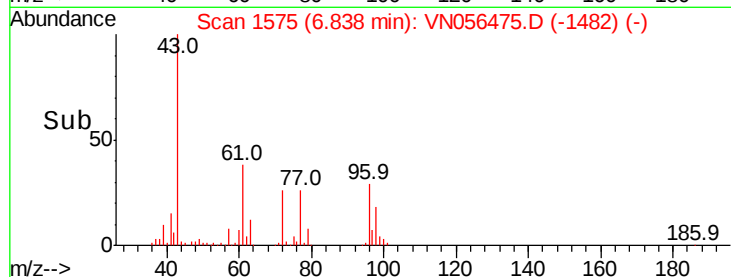
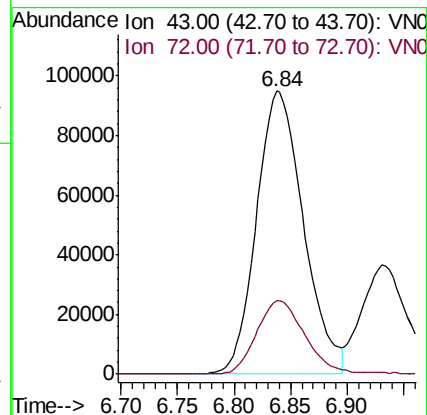
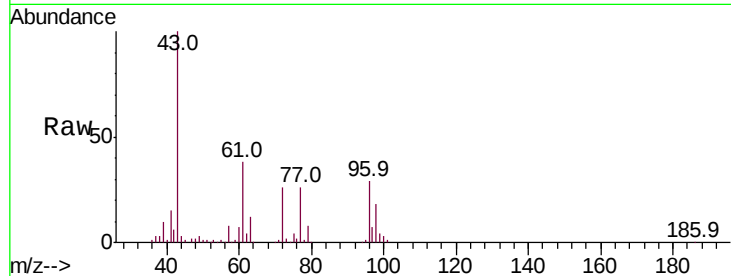
72 26.0 20.6 31.0

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#26

2,2-Dichloropropane

Concen: 20.686 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056475.D

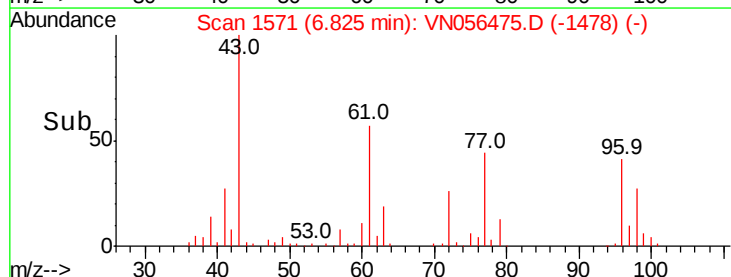
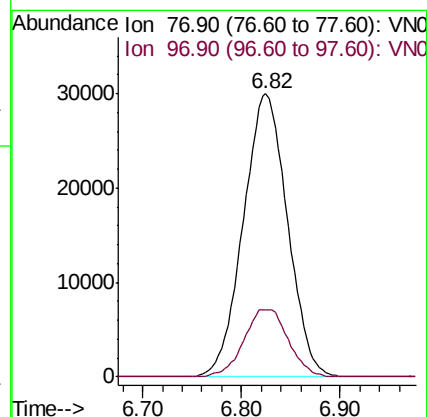
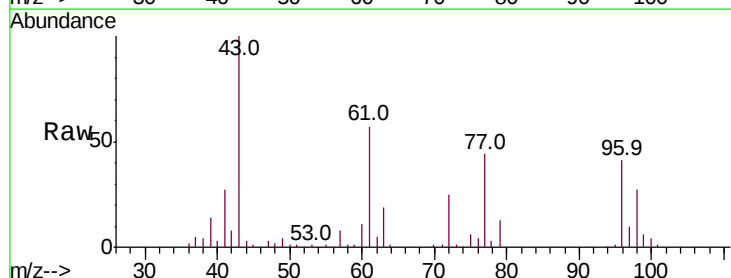
Acq: 25 Jun 2019 10:49

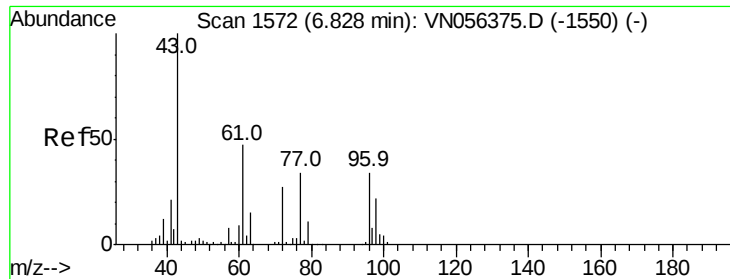
Tgt Ion: 77 Resp: 92929

Ion Ratio Lower Upper

77 100

97 23.9 11.9 35.5





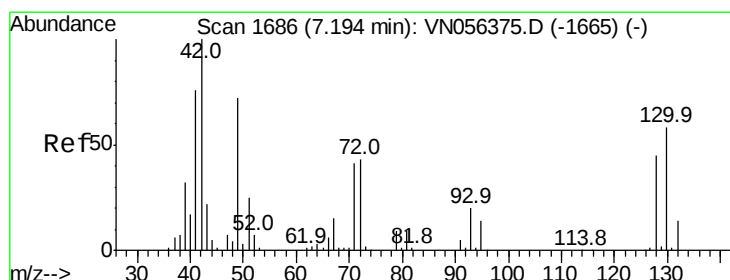
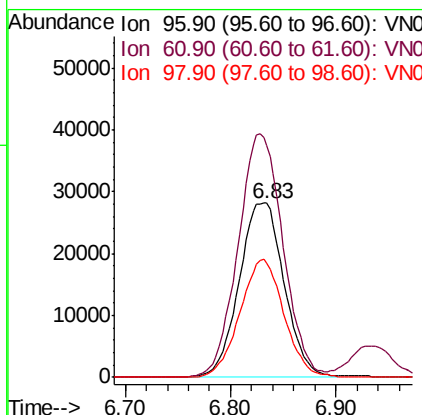
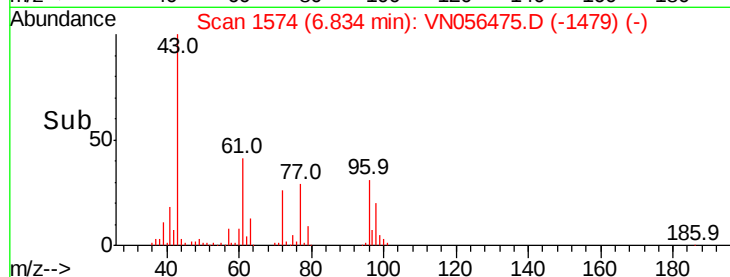
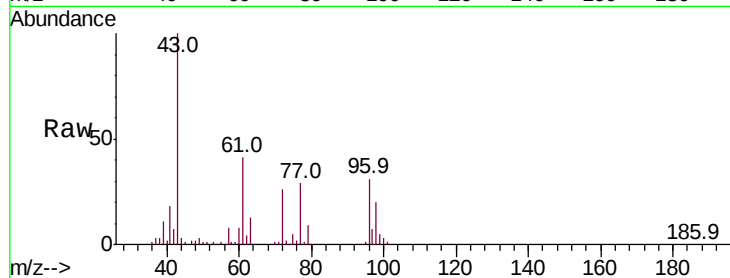
#27  
 cis-1,2-Dichloroethene  
 Concen: 20.582 ug/l  
 RT: 6.83 min Scan# 1574  
 Delta R.T. 0.01 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0625WBSD01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 83559 |       |       |
| 61      | 139.2 | 0.0   | 279.8 |       |
| 98      | 66.1  | 0.0   | 130.0 |       |

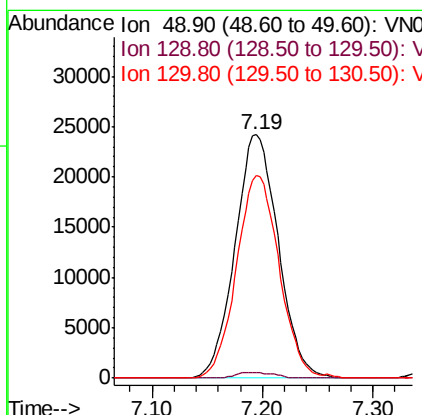
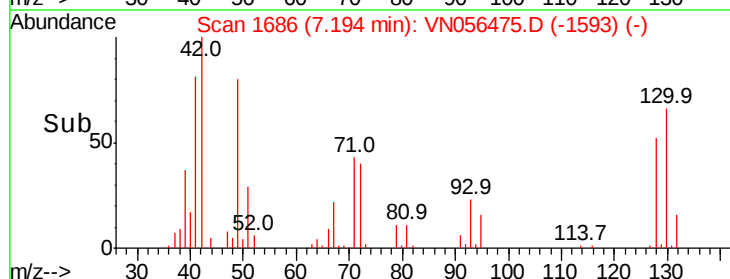
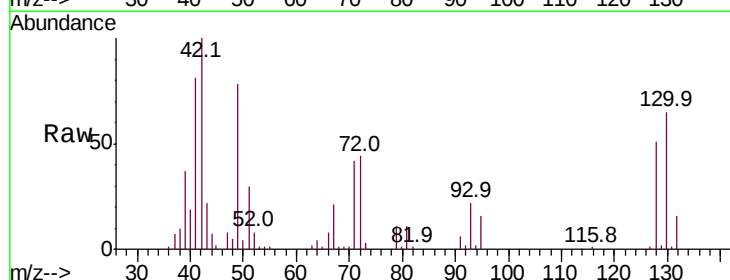
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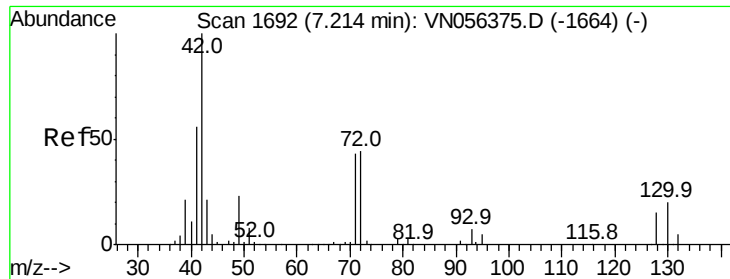
MMDadoda  
 6/26/2019 9:28:22 AM



#28  
 Bromochloromethane  
 Concen: 20.568 ug/l  
 RT: 7.19 min Scan# 1686  
 Delta R.T. 0.00 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 65711 |       |       |
| 129     | 2.0   | 0.0   | 4.2   |       |
| 130     | 81.9  | 64.9  | 97.3  |       |





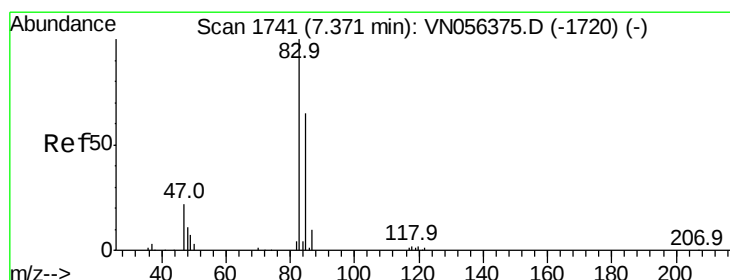
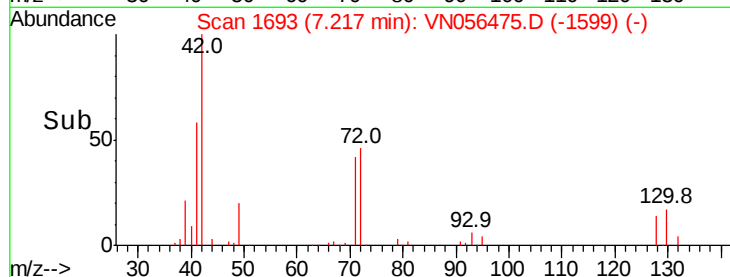
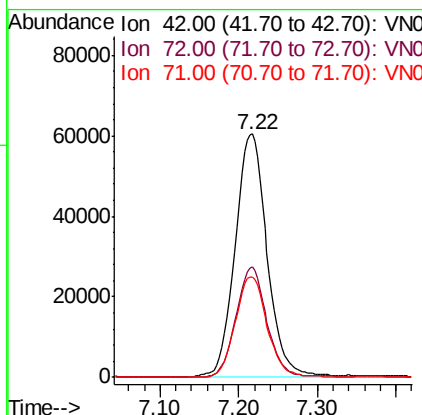
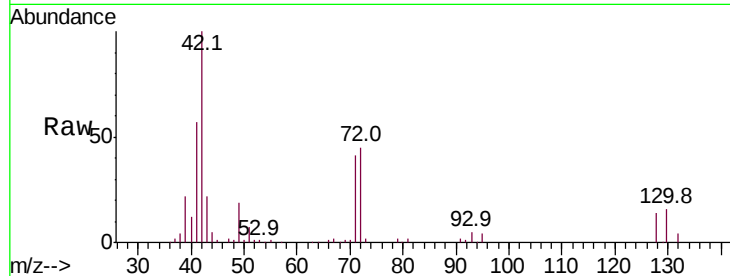
#29  
Tetrahydrofuran  
Concen: 105.430 ug/l  
RT: 7.22 min Scan# 1693  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0625WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.6  | 34.7  | 52.1  |
| 71      | 40.9  | 33.0  | 49.6  |

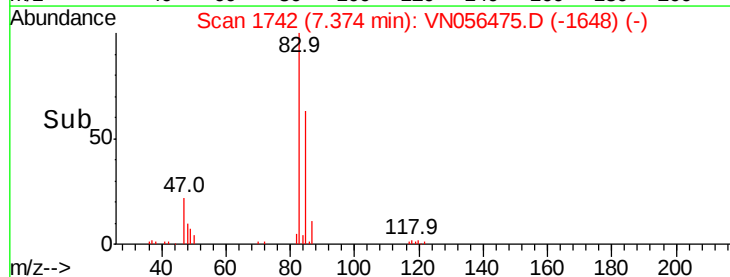
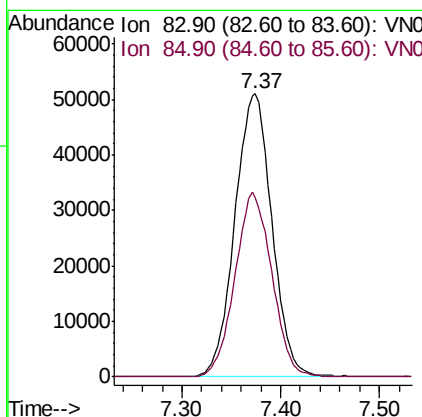
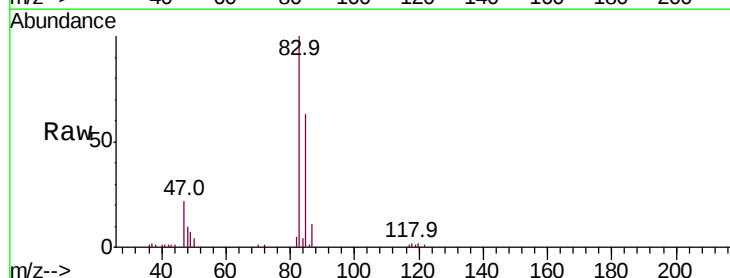
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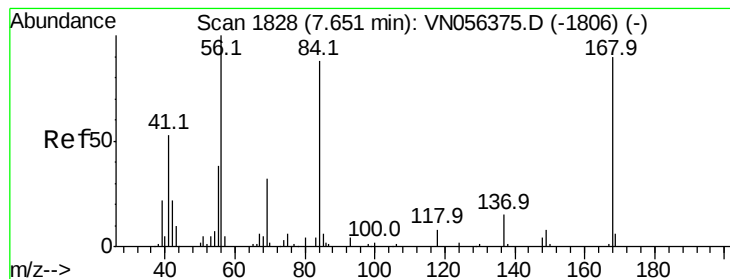
MMDadoda  
6/26/2019 9:28:22 AM



#30  
Chloroform  
Concen: 20.881 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.3  | 52.3  | 78.5  |





#31

Cyclohexane

Concen: 19.355 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

Instrument :

MSVOA\_N

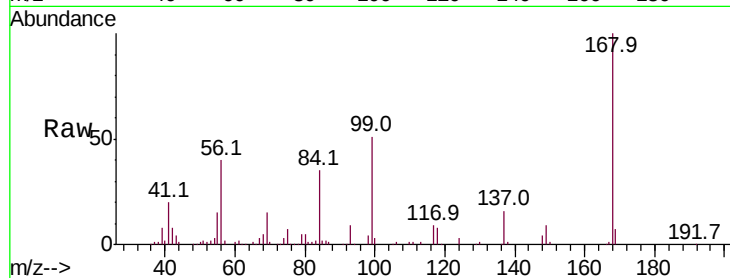
ClientSampleId :

VN0625WBSD01

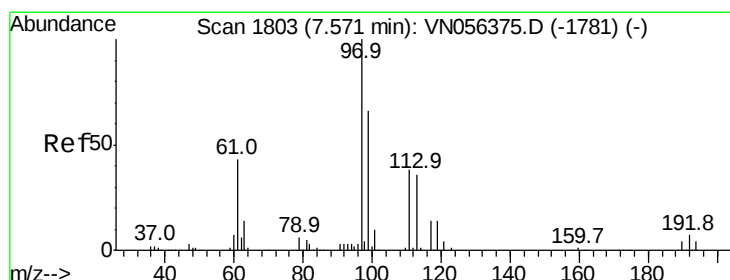
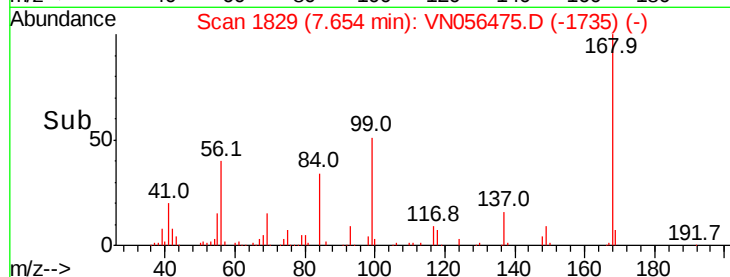
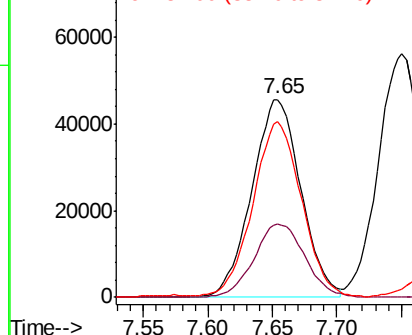
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 120693 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 37.0  | 25.8  | 38.6   |
| 84       | 87.9  | 69.4  | 104.0  |

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



#32

1,1,1-Trichloroethane

Concen: 20.920 ug/l

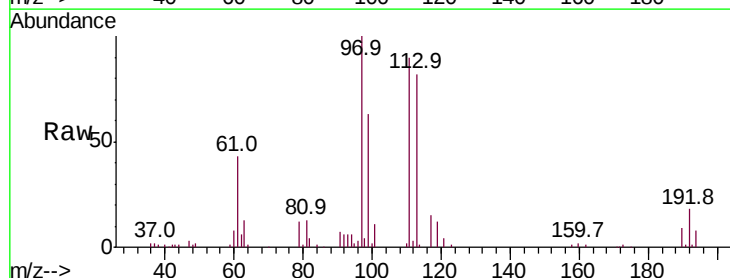
RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

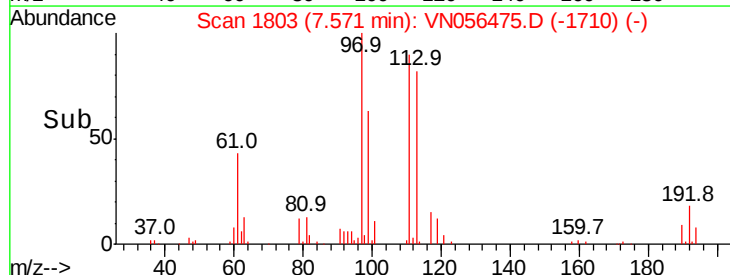
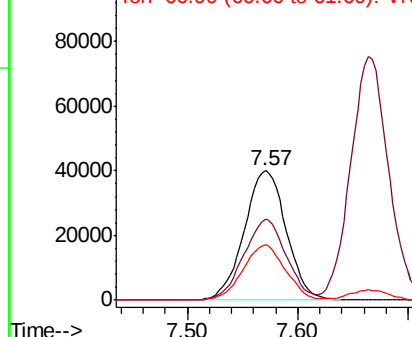
Lab File: VN056475.D

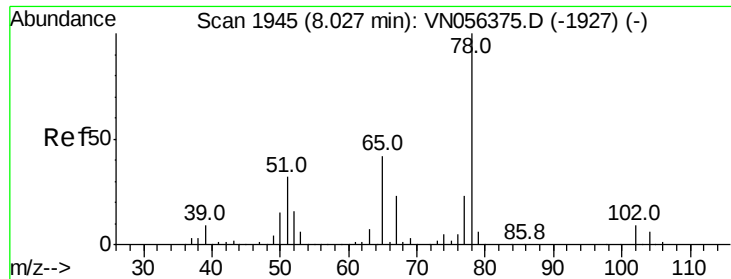
Acq: 25 Jun 2019 10:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 105687 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 62.9  | 51.8  | 77.6   |
| 61       | 43.0  | 33.9  | 50.9   |



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





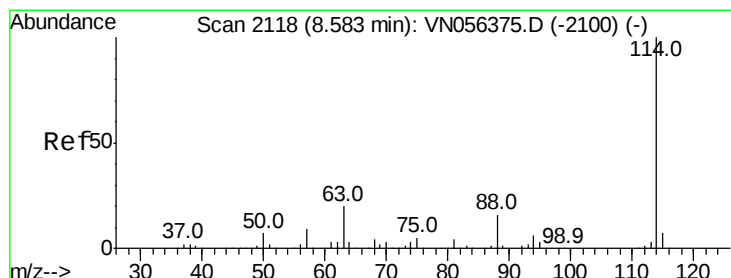
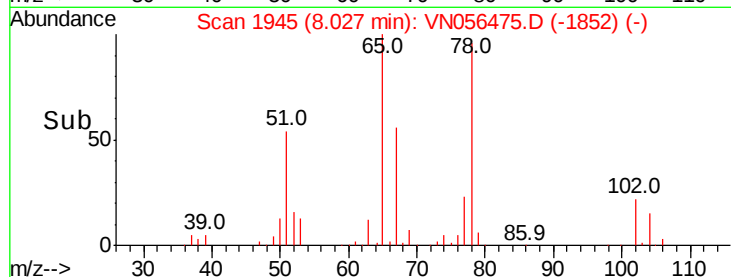
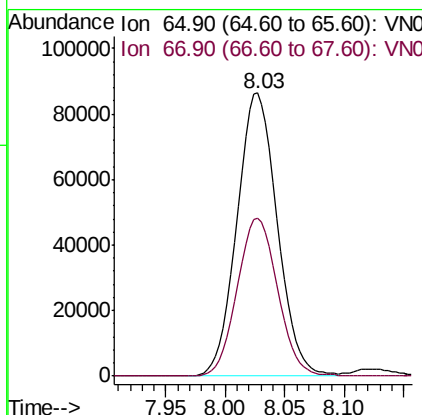
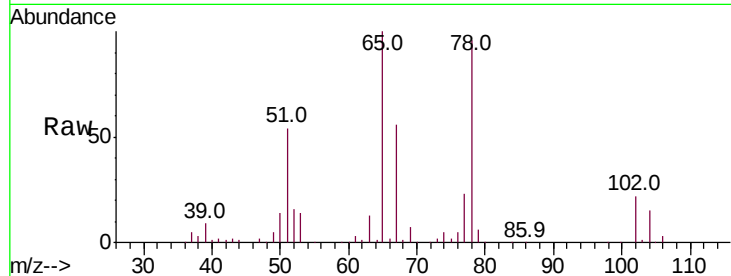
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.288 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0625WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 203066 |       |       |
| 67      | 56.2  | 0.0    | 109.0 |       |

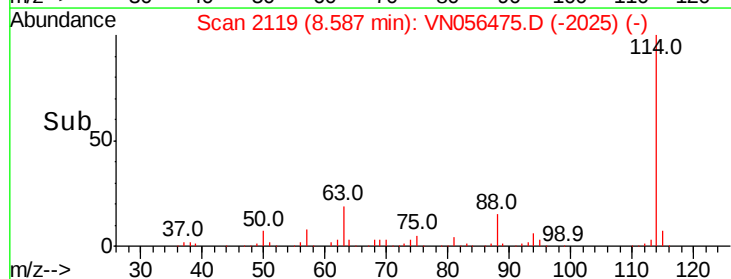
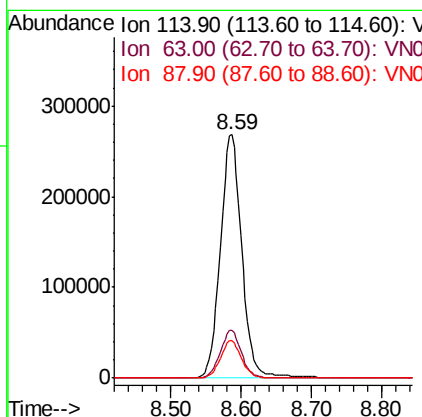
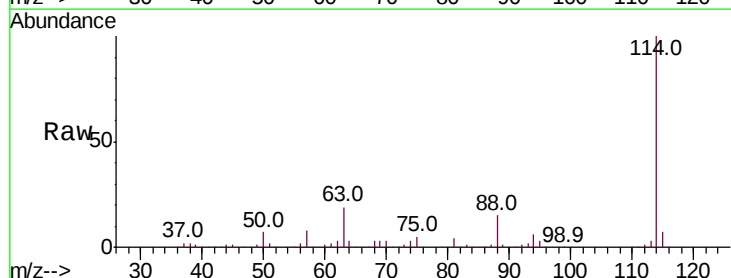
Manual Integrations  
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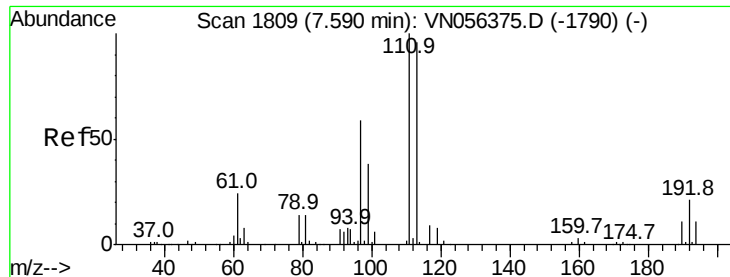
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 569814 |       |       |
| 63      | 19.4  | 0.0    | 39.2  |       |
| 88      | 15.2  | 0.0    | 31.4  |       |





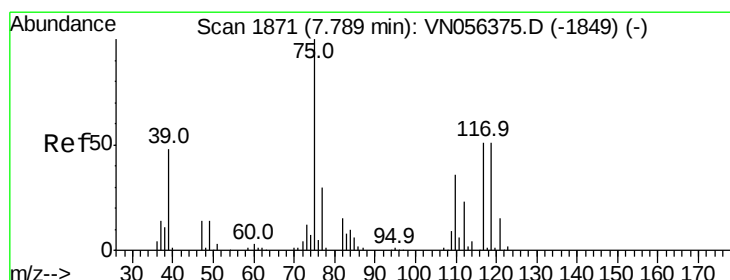
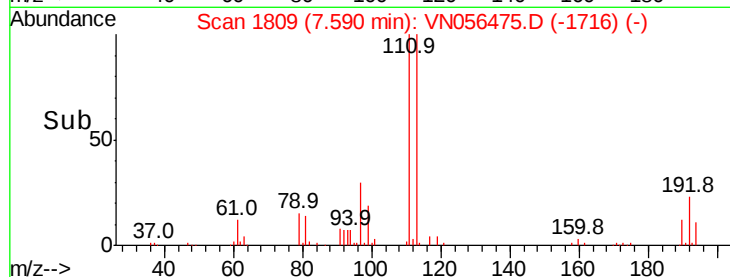
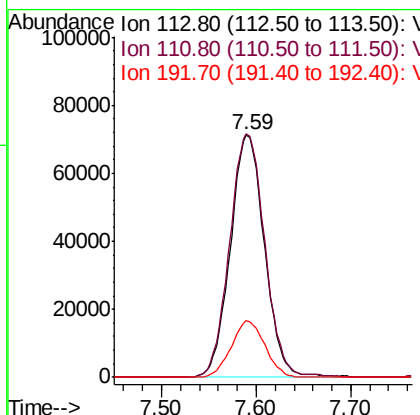
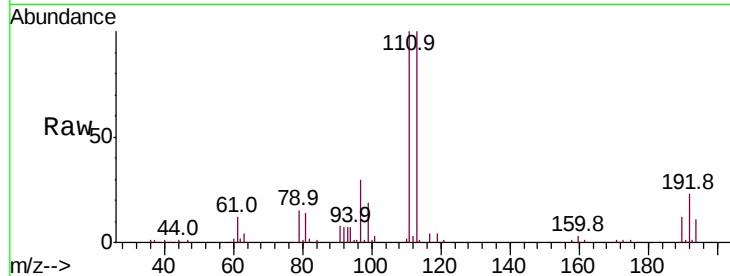
#35  
 Dibromofluoromethane  
 Concen: 50.351 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0625WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 178983 |       |       |
| 111     | 103.7 |        | 82.9  | 124.3 |
| 192     | 23.1  |        | 17.7  | 26.5  |

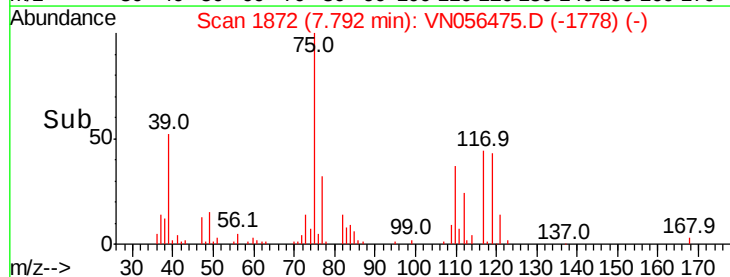
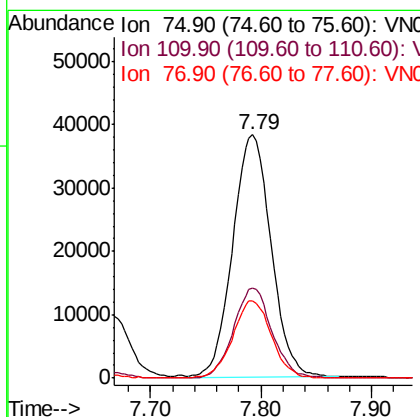
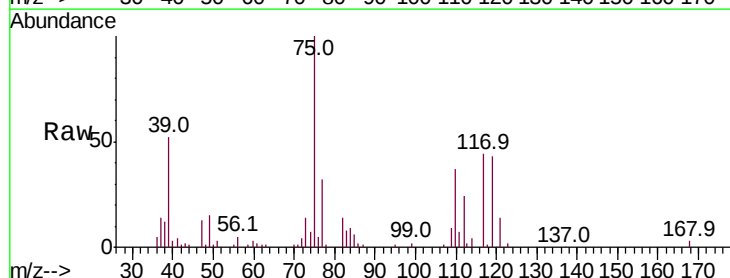
Manual Integrations  
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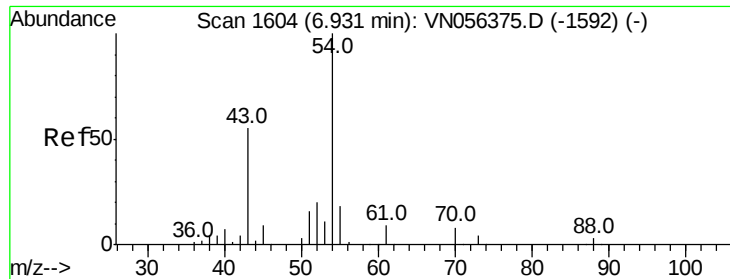
MMDadoda  
 6/26/2019 9:28:22 AM



#36  
 1,1-Dichloropropene  
 Concen: 18.420 ug/l  
 RT: 7.79 min Scan# 1872  
 Delta R.T. 0.00 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 92386 |       |       |
| 110     | 37.2  |       | 18.1  | 54.3  |
| 77      | 32.1  |       | 24.6  | 36.8  |





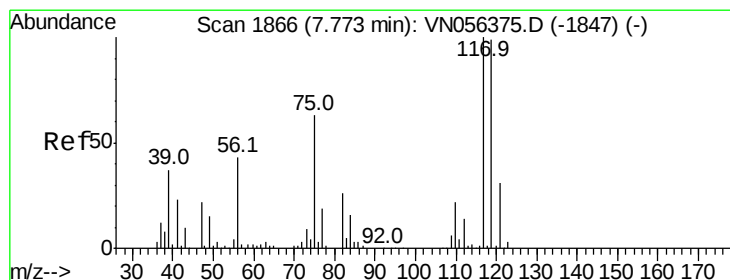
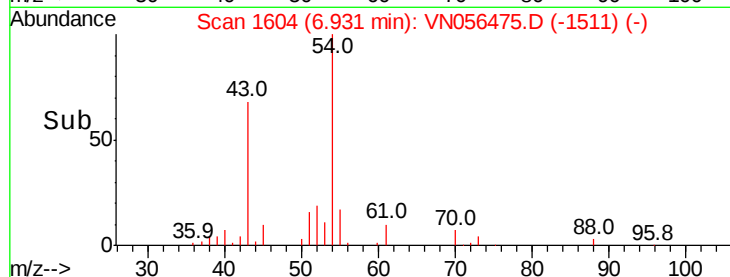
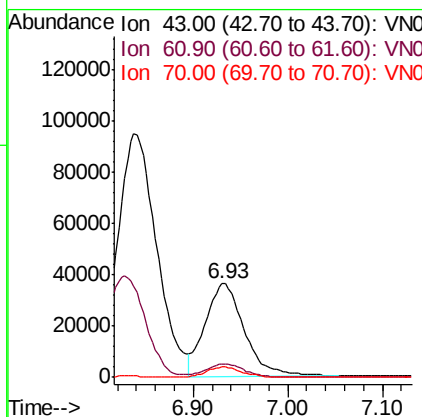
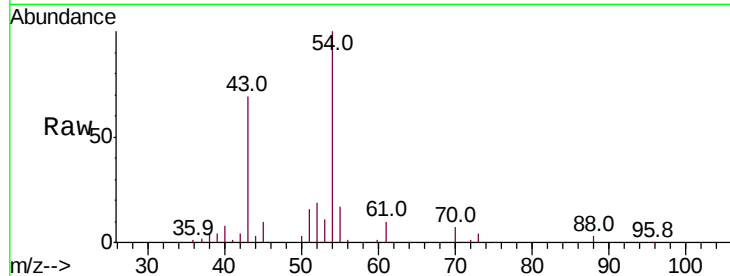
#37  
Ethyl Acetate  
Concen: 21.147 ug/l  
RT: 6.93 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0625WBSD01

| Tot Ion     | 43  | 61   | 70   |
|-------------|-----|------|------|
| Ion Ratio   | 100 | 14.3 | 10.2 |
| Resp: Lower |     | 11.1 | 8.3  |
| Upper       |     | 16.7 | 12.5 |

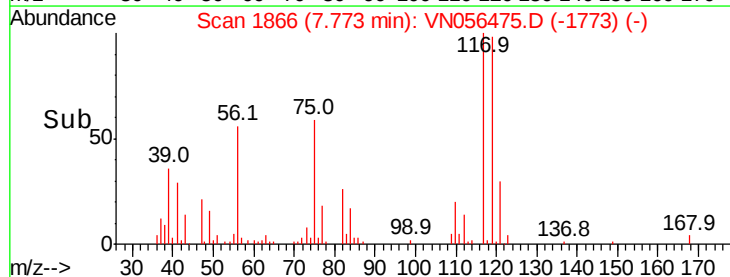
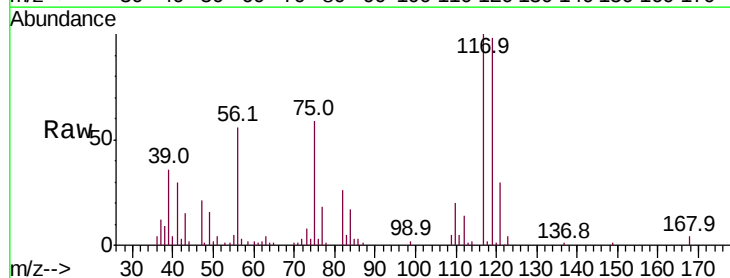
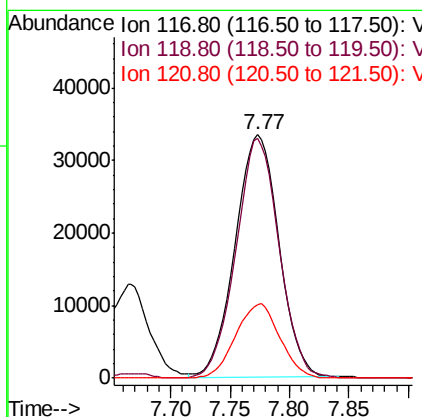
Manual Integrations  
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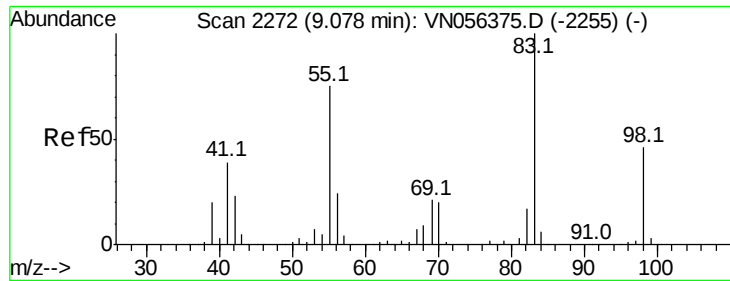
MMDadoda  
6/26/2019 9:28:22 AM



#38  
Carbon Tetrachloride  
Concen: 19.413 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

| Tgt Ion     | 117 | 119   | 121  |
|-------------|-----|-------|------|
| Ion Ratio   | 100 | 99.0  | 30.1 |
| Resp: Lower |     | 79.1  | 24.8 |
| Upper       |     | 118.7 | 37.2 |





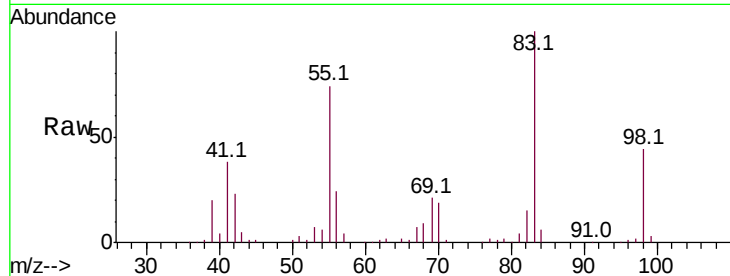
#39  
Methvlcvclohexane  
Concen: 18.995 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0625WBSD01

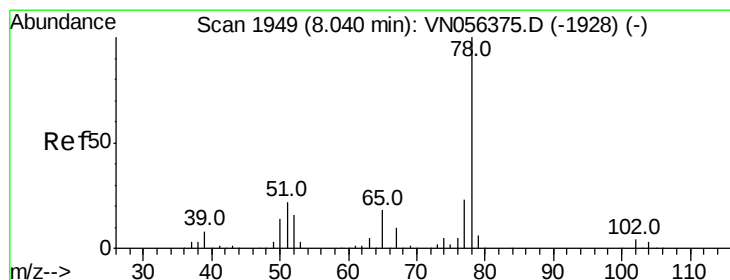
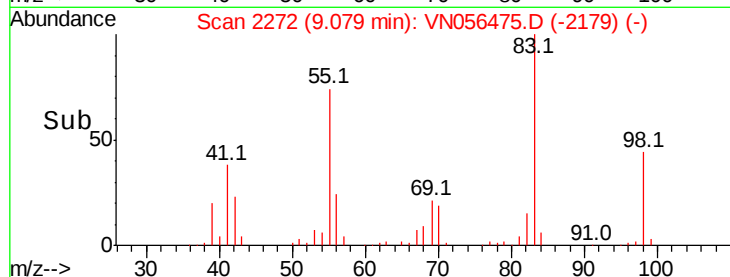
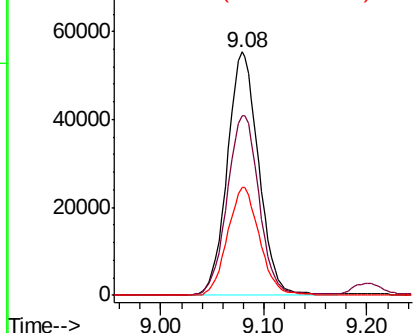
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 55      | 73.6  | 60.0 | 90.0  |       |
| 98      | 44.4  | 36.6 | 54.8  |       |

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6/26/2019 9:28:22 AM

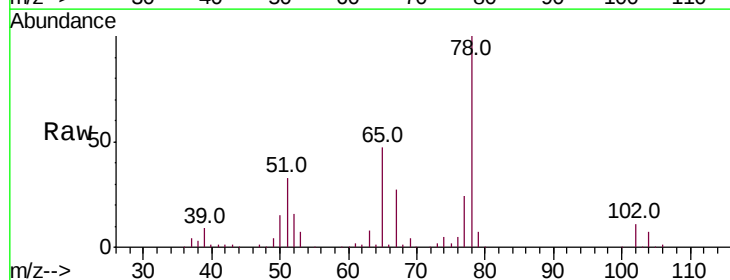


Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 55.00 (54.70 to 55.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

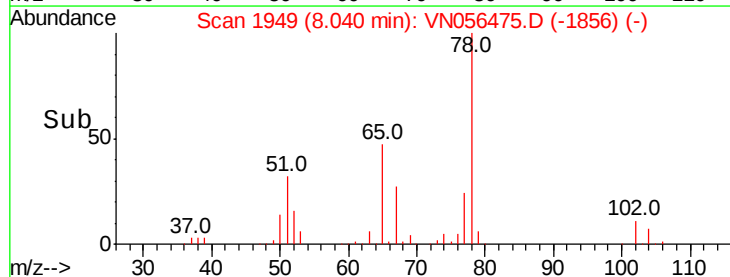
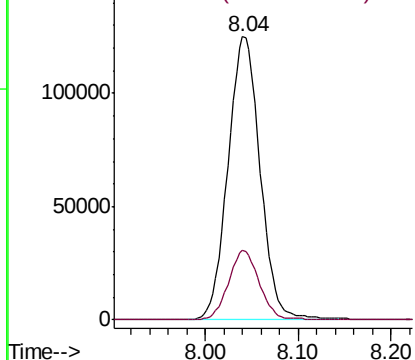


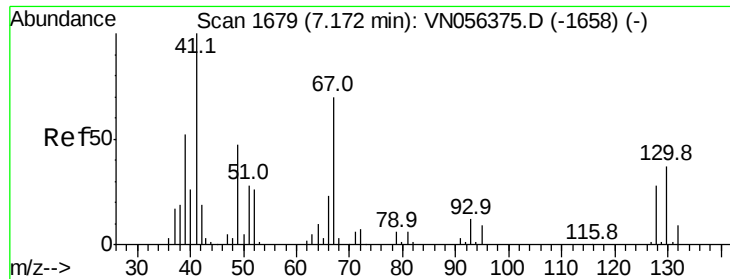
#40  
Benzene  
Concen: 19.492 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 78      | 100   |      |       |       |
| 77      | 24.5  | 18.3 | 27.5  |       |



Abundance Ion 78.00 (77.70 to 78.70): VN0  
Ion 77.00 (76.70 to 77.70): VN0





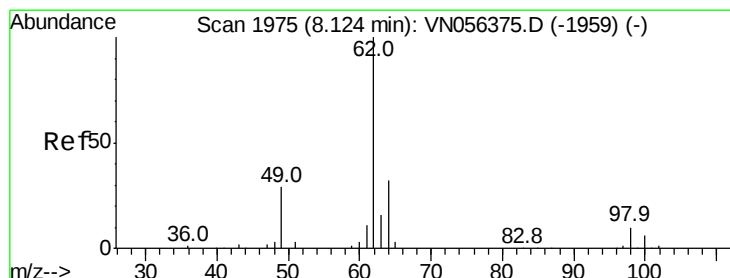
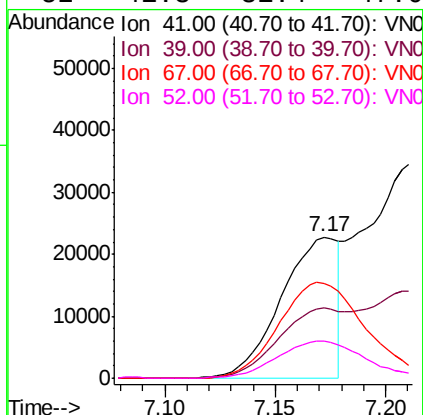
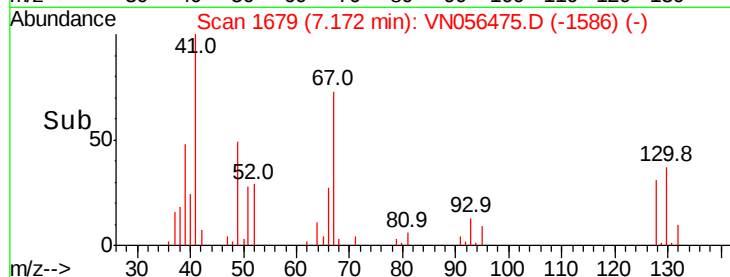
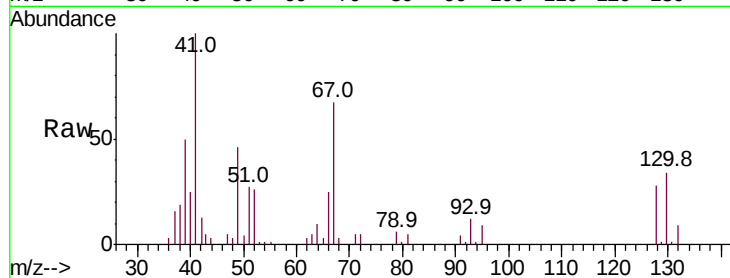
#41  
Methacrylonitrile  
Concen: 18.750 ug/l  
RT: 7.17 min Scan# 1679  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0625WBSD01

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 41      | 100   |       |       |       |
| 39      | 56.6  | 55.3  | 82.9  |       |
| 67      | 104.6 | 79.2  | 118.8 |       |
| 52      | 41.3  | 31.4  | 47.0  |       |

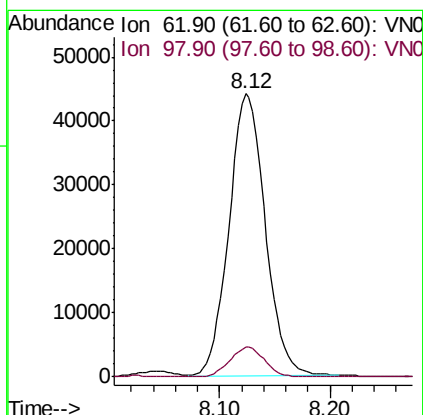
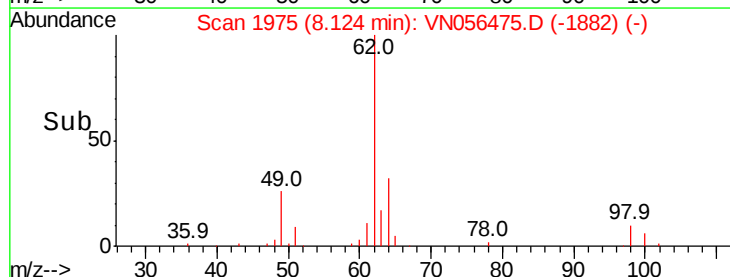
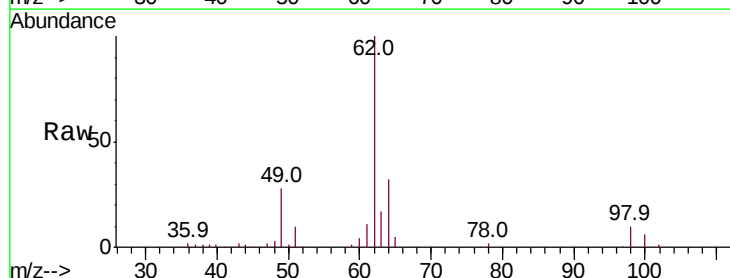
Manual Integrations  
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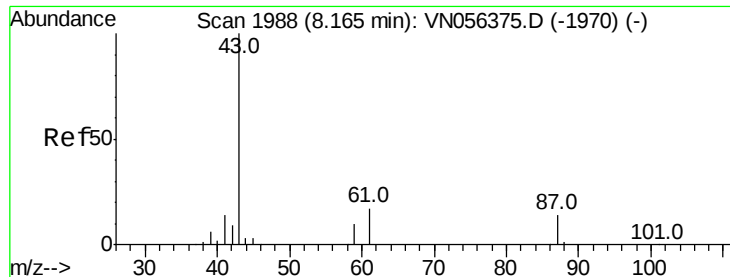
MMDadoda  
6/26/2019 9:28:22 AM



#42  
1,2-Dichloroethane  
Concen: 19.802 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 62      | 100  |       |       |       |
| 98      | 10.1 | 0.0   | 19.4  |       |





#43

Isopropyl Acetate

Concen: 20.340 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

Instrument :

MSVOA\_N

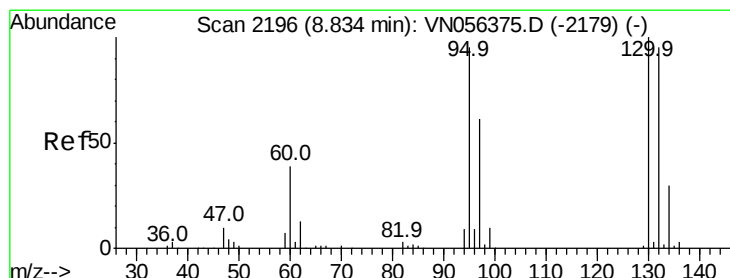
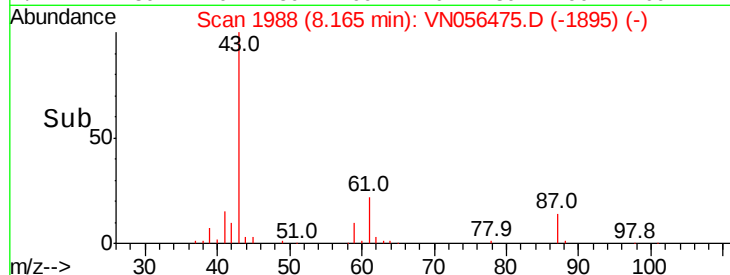
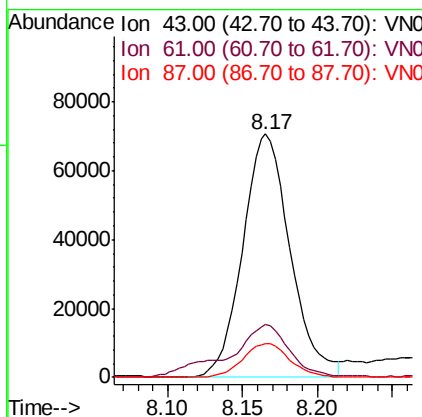
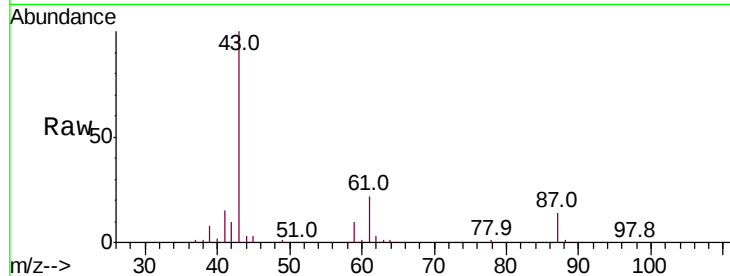
ClientSampleId :

VN0625WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 43    | Resp: | 154586 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 28.2  | 22.0  | 33.0   |
| 87        | 13.9  | 11.0  | 16.4   |

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6/26/2019 9:28:22 AM



#44

Trichloroethene

Concen: 19.621 ug/l

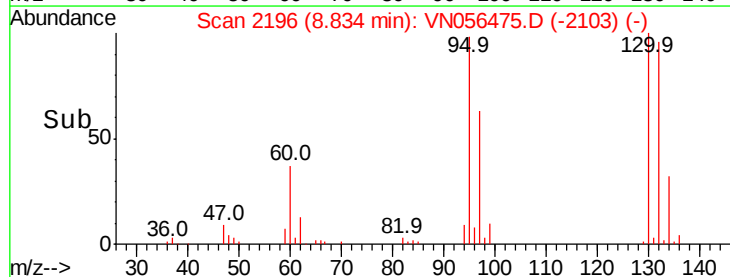
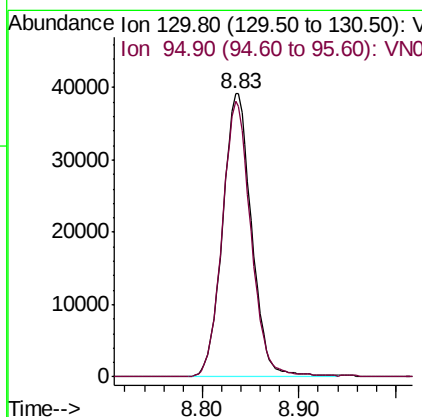
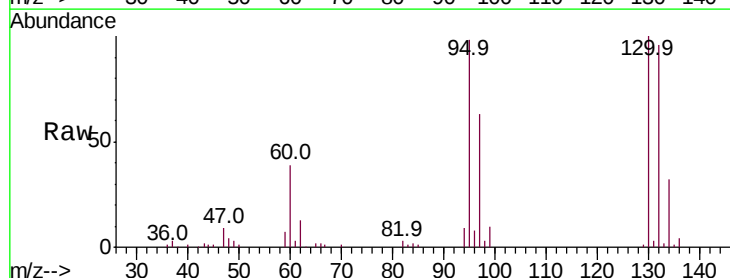
RT: 8.83 min Scan# 2196

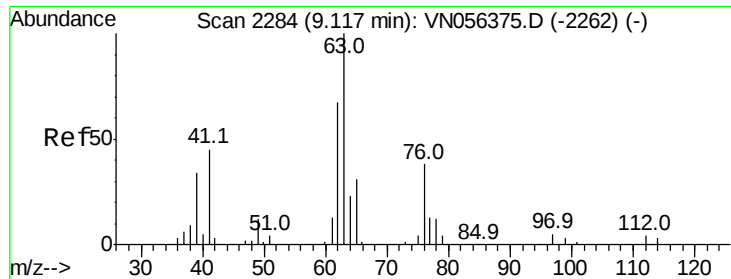
Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 130   | Resp: | 81538 |
| Ion Ratio | Lower | Upper |       |
| 130       | 100   |       |       |
| 95        | 97.6  | 0.0   | 191.0 |





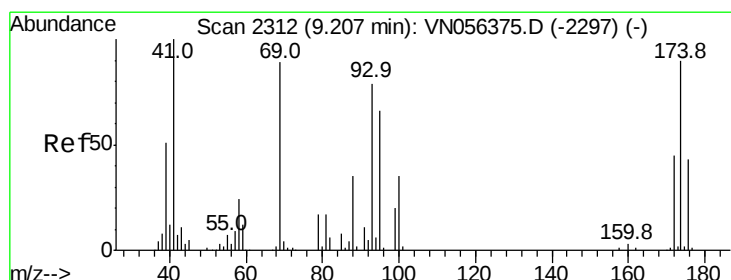
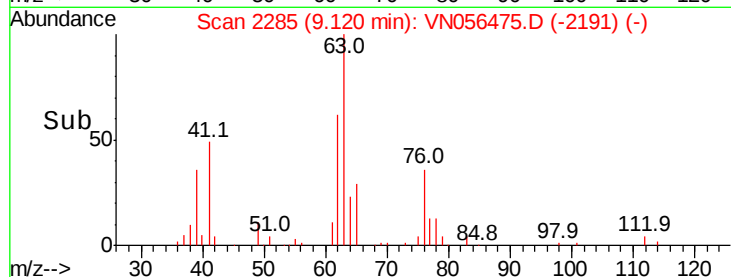
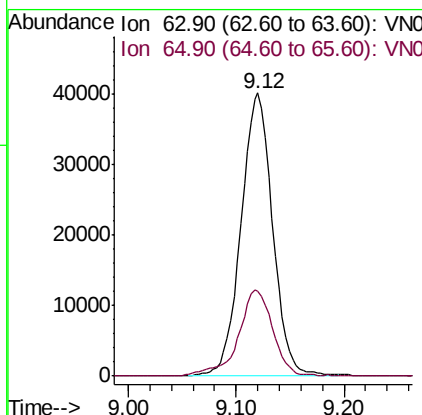
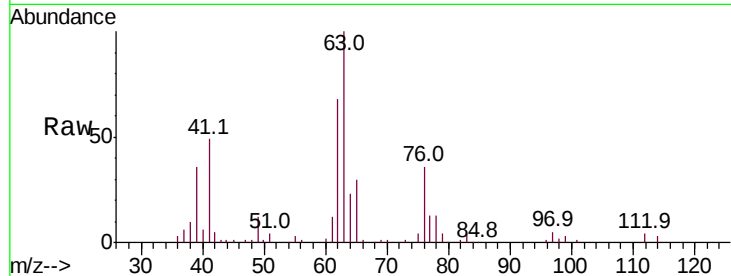
#45  
 1,2-Dichloropropane  
 Concen: 19.873 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0625WBSD01

Tot Ion: 63 Resp: 81991  
 Ion Ratio Lower Upper  
 63 100  
 65 29.9 25.0 37.6

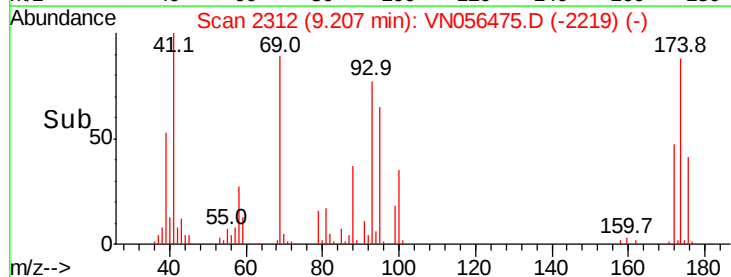
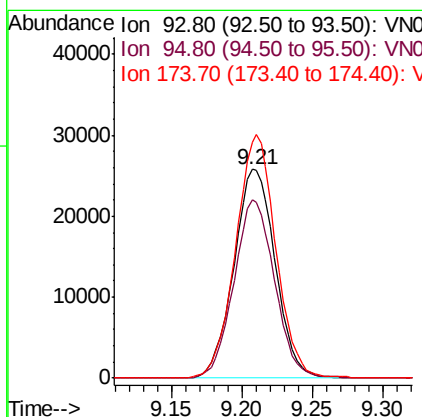
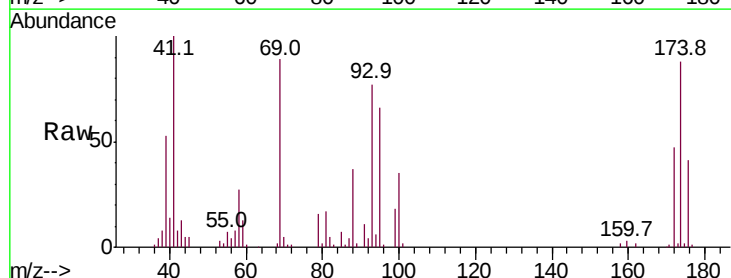
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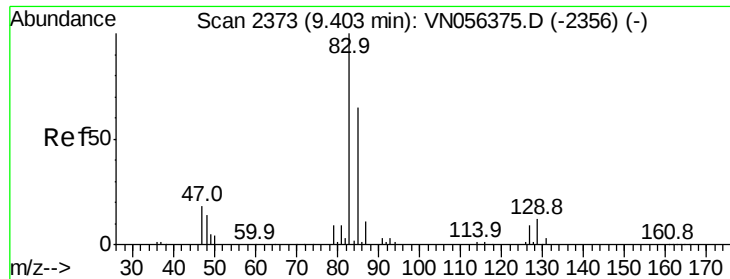
MMDadoda  
 6/26/2019 9:28:22 AM



#46  
 Dibromomethane  
 Concen: 20.501 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. 0.00 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

Tgt Ion: 93 Resp: 52920  
 Ion Ratio Lower Upper  
 93 100  
 95 83.8 66.2 99.2  
 174 113.5 90.8 136.2





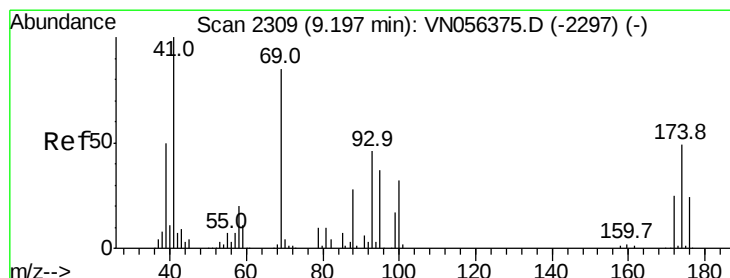
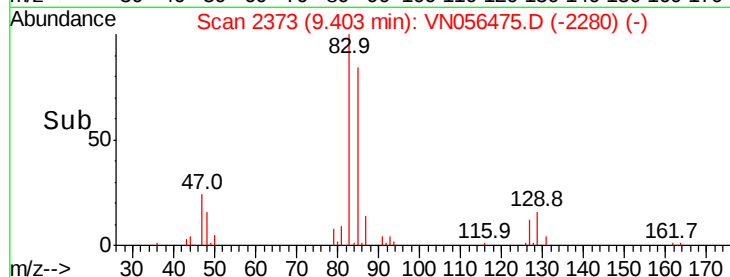
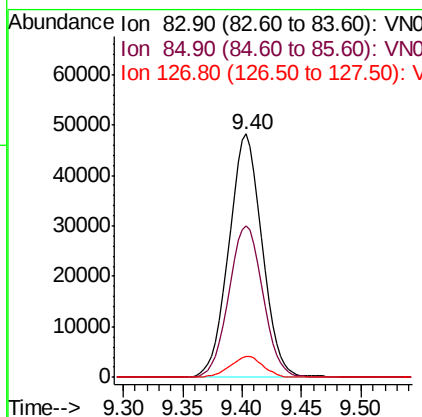
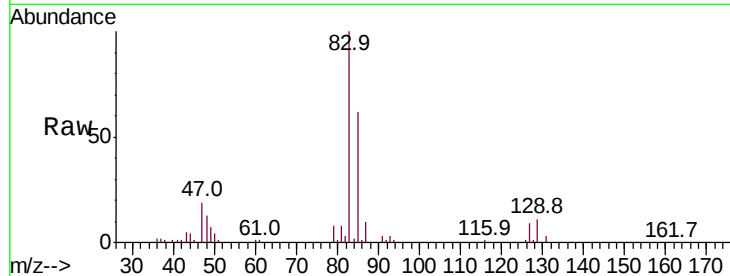
#47  
Bromodichloromethane  
Concen: 20.401 ug/l  
RT: 9.40 min Scan# 2373  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0625WBSD01

| Tot Ion   | 83   | Resp  | 93397 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 62.2 | 52.2  | 78.4  |
| 127       | 8.8  | 7.3   | 10.9  |

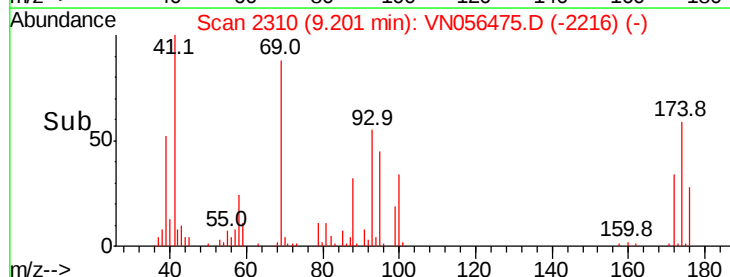
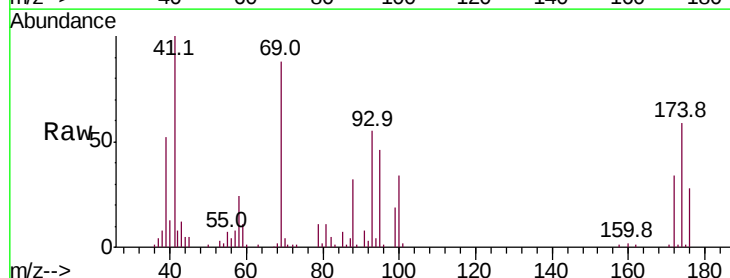
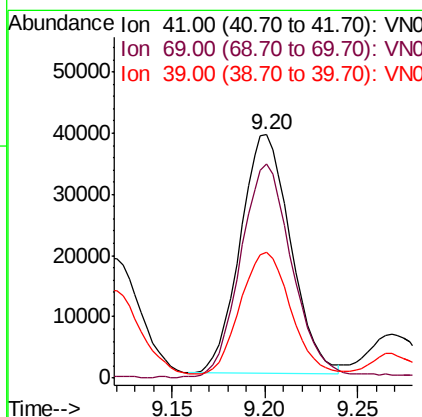
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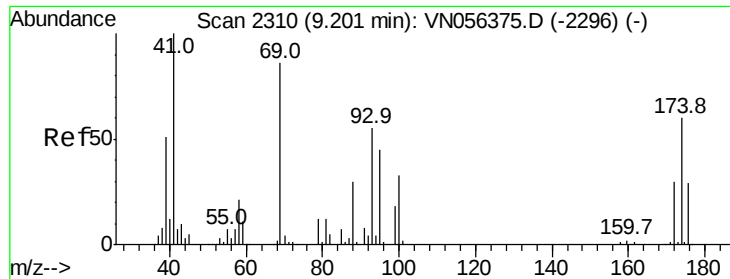
MMDadoda  
6/26/2019 9:28:22 AM



#48  
Methyl methacrylate  
Concen: 19.442 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

| Tgt Ion   | 41   | Resp  | 74045 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 69        | 93.1 | 72.6  | 109.0 |
| 39        | 54.8 | 42.6  | 63.8  |





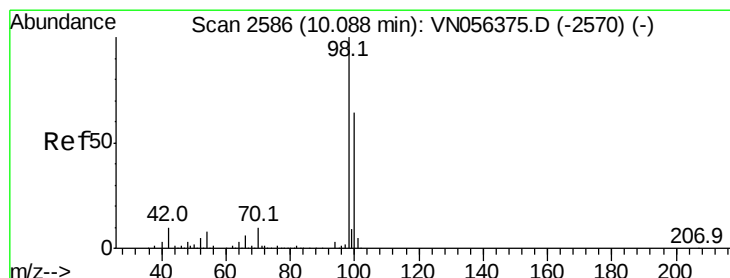
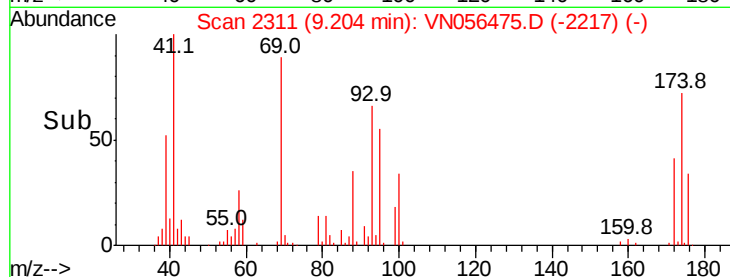
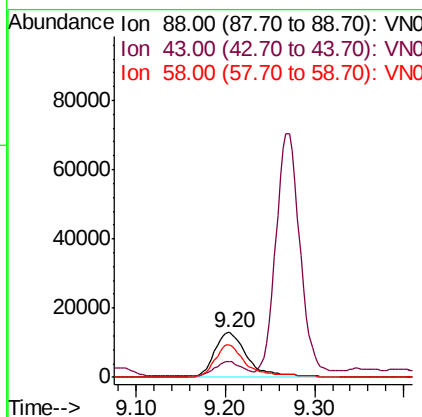
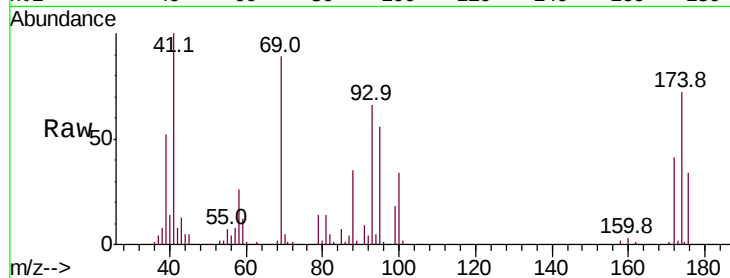
#49  
 1,4-Dioxane  
 Concen: 429.651 ug/l  
 RT: 9.20 min Scan# 2311  
 Delta R.T. 0.00 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0625WBSD01

| Tot Ion | 88    | Resp  | 33958 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 25.3  | 22.0  | 33.0  |
| 58      | 70.0  | 51.8  | 77.8  |

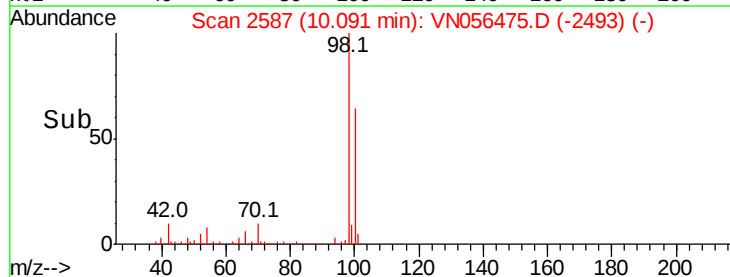
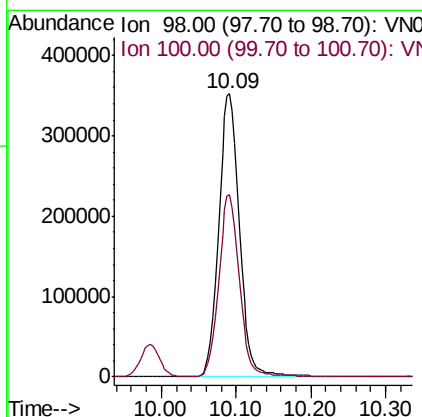
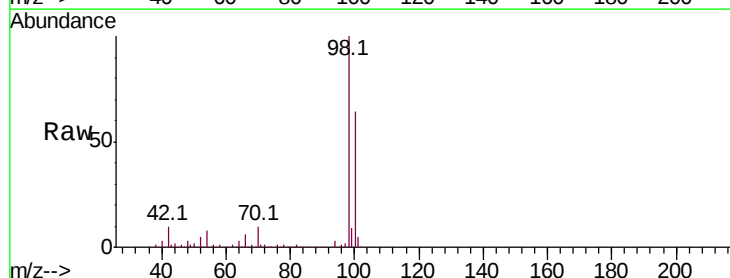
Manual Integrations  
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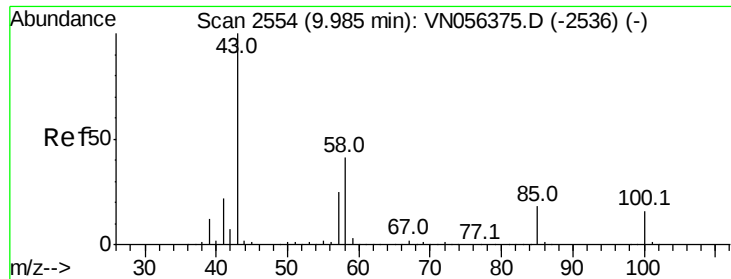
MMDadoda  
 6/26/2019 9:28:22 AM



#50  
 Toluene-d8  
 Concen: 48.826 ug/l  
 RT: 10.09 min Scan# 2587  
 Delta R.T. 0.00 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

| Tgt Ion | 98    | Resp  | 675349 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 64.3  | 52.2  | 78.2   |





#51

4-Methyl-2-Pentanone

Concen: 101.228 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

Instrument :

MSVOA\_N

ClientSampleId :

VN0625WBSD01

Tot Ion: 43 Resp: 496561

Ion Ratio Lower Upper

43 100

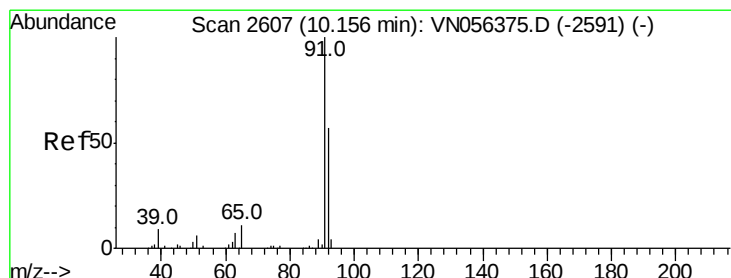
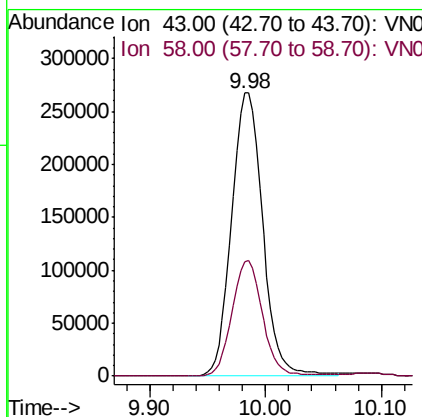
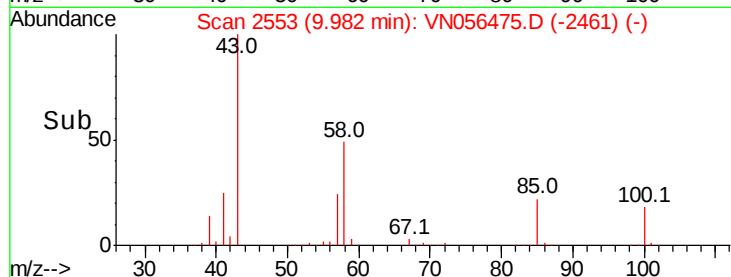
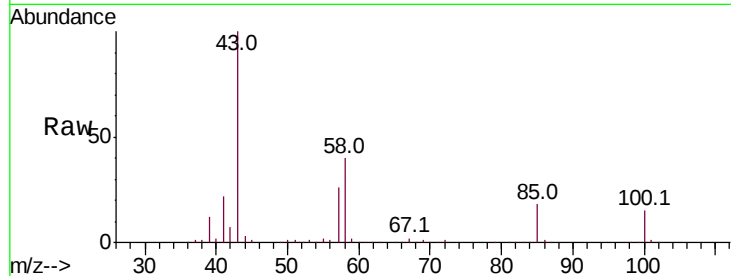
58 40.2 31.8 47.8

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#52

Toluene

Concen: 19.663 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056475.D

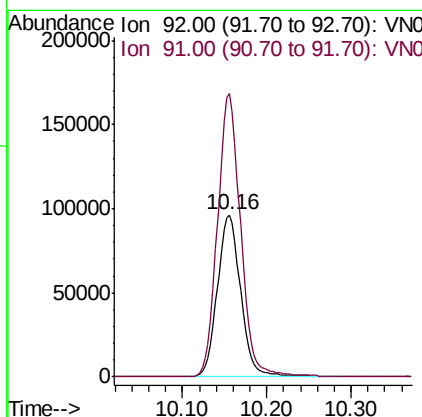
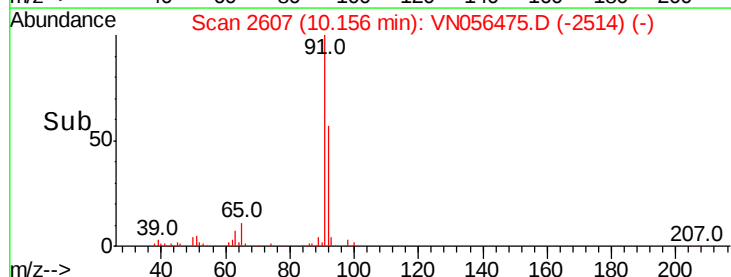
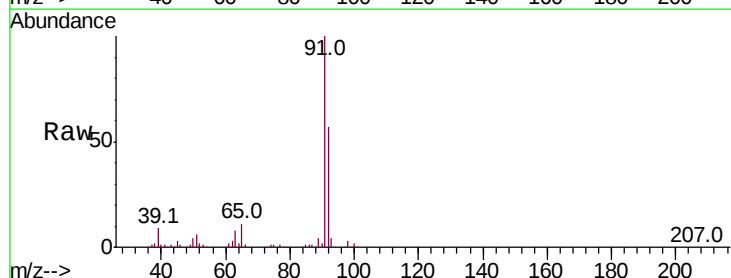
Acq: 25 Jun 2019 10:49

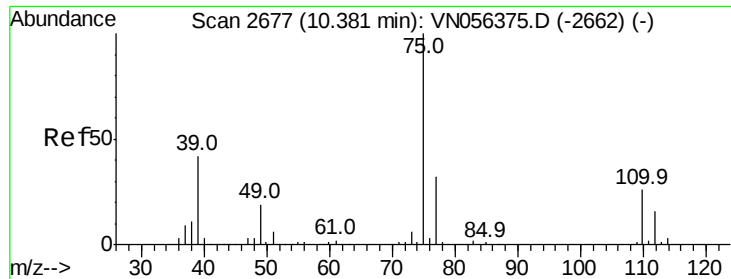
Tgt Ion: 92 Resp: 185462

Ion Ratio Lower Upper

92 100

91 173.5 140.6 211.0





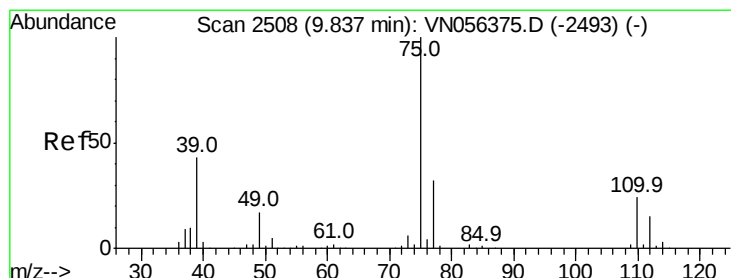
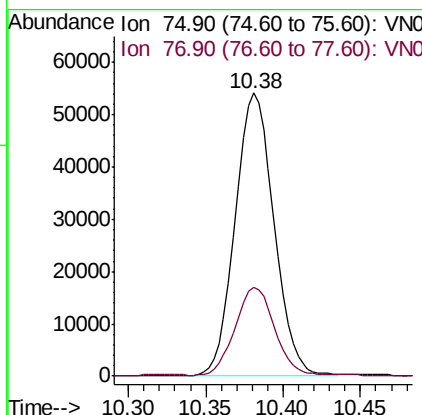
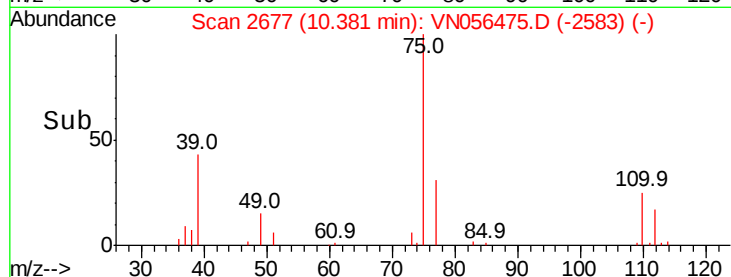
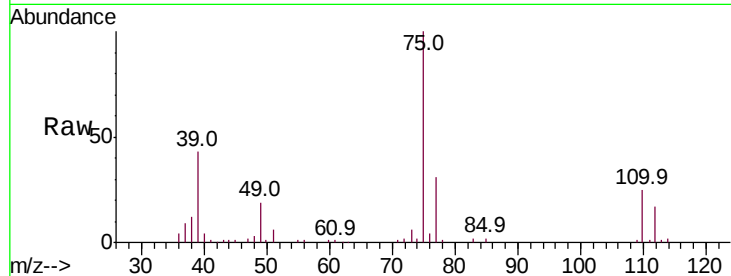
#53  
t-1,3-Dichloropropene  
Concen: 19.627 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0625WBSD01

Tot Ion: 75 Resp: 94714  
Ion Ratio Lower Upper  
75 100  
77 30.9 25.4 38.2

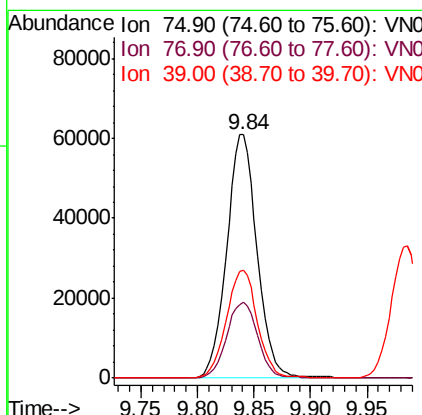
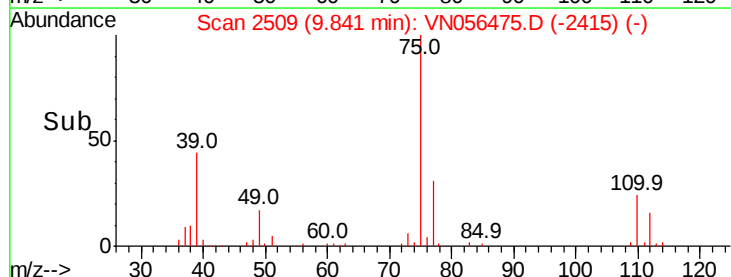
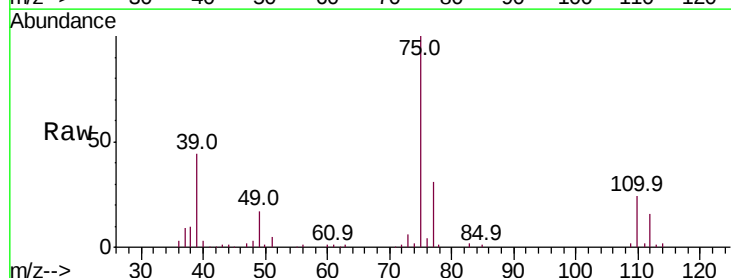
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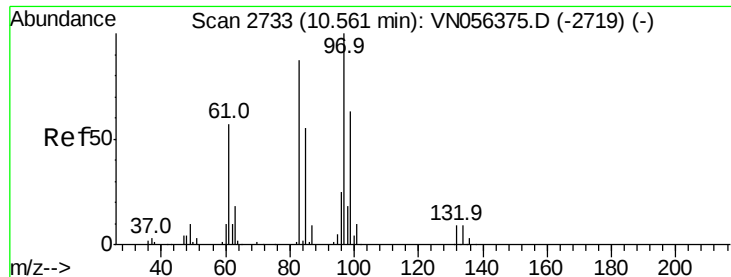
MMDadoda  
6/26/2019 9:28:22 AM



#54  
cis-1,3-Dichloropropene  
Concen: 20.607 ug/l  
RT: 9.84 min Scan# 2509  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Tgt Ion: 75 Resp: 113607  
Ion Ratio Lower Upper  
75 100  
77 31.0 25.2 37.8  
39 44.4 34.2 51.4





#55

1,1,2-Trichloroethane

Concen: 20.267 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

Instrument :

MSVOA\_N

ClientSampleId :

VN0625WBSD01

Tot Ion: 97 Resp: 76839

Ion Ratio Lower Upper

97 100

83 87.9 69.8 104.6

85 55.4 43.8 65.8

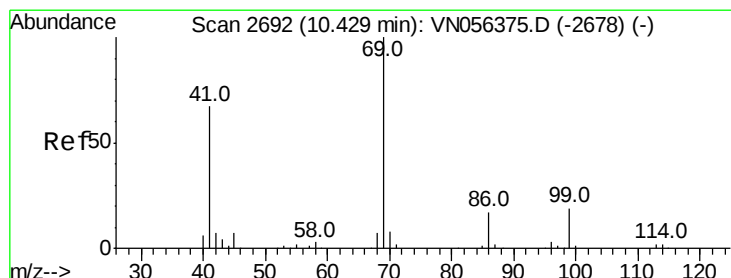
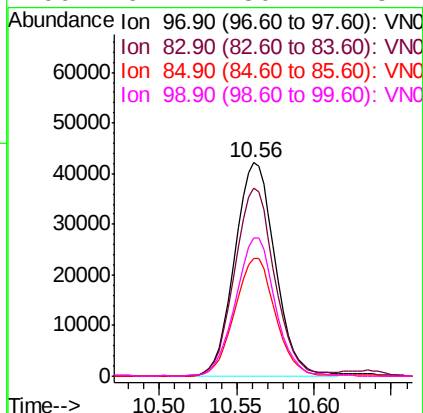
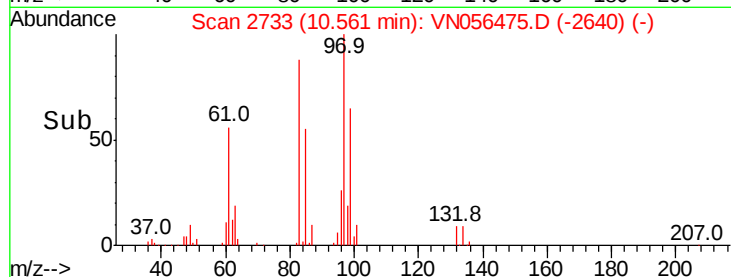
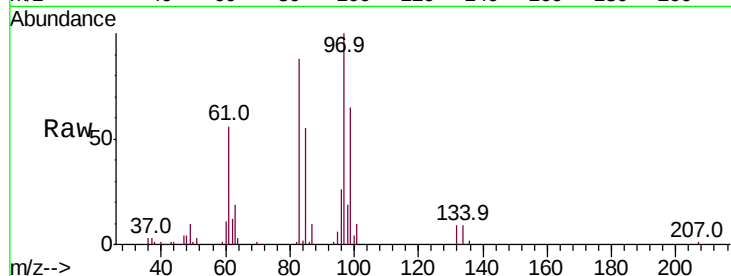
99 64.4 50.2 75.2

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#56

Ethyl methacrylate

Concen: 20.031 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

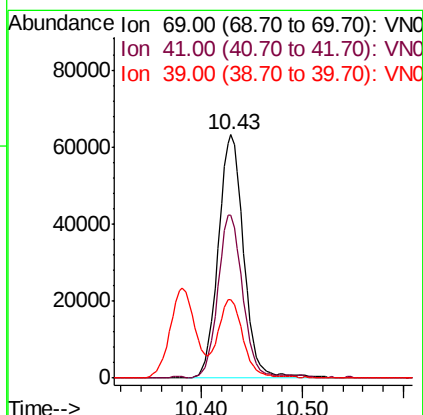
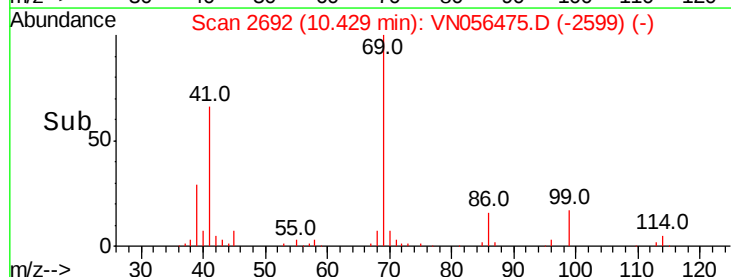
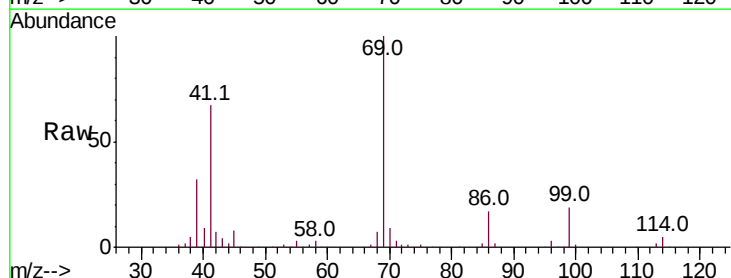
Tgt Ion: 69 Resp: 110982

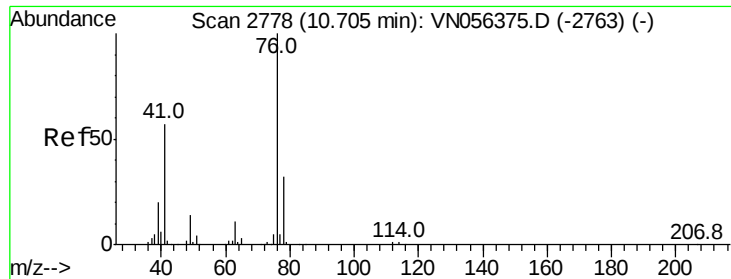
Ion Ratio Lower Upper

69 100

41 65.5 51.4 77.2

39 31.3 24.7 37.1





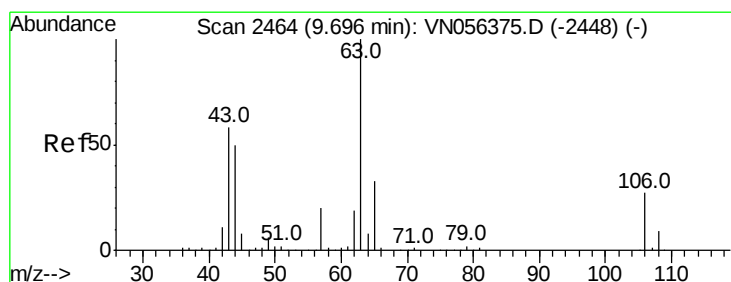
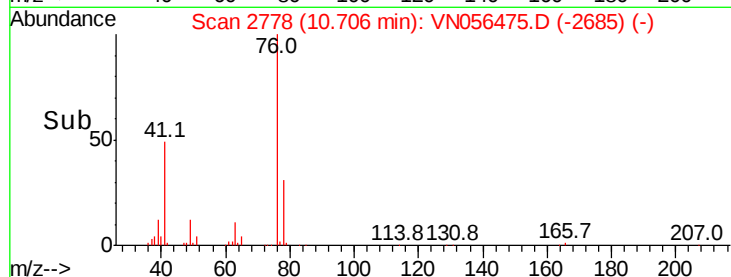
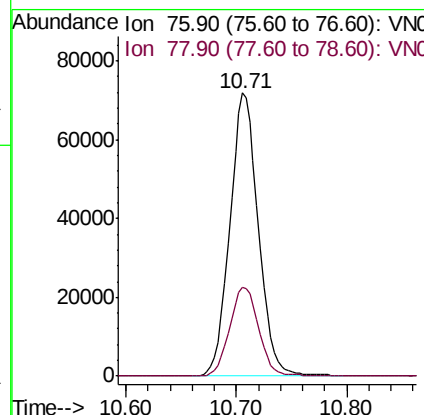
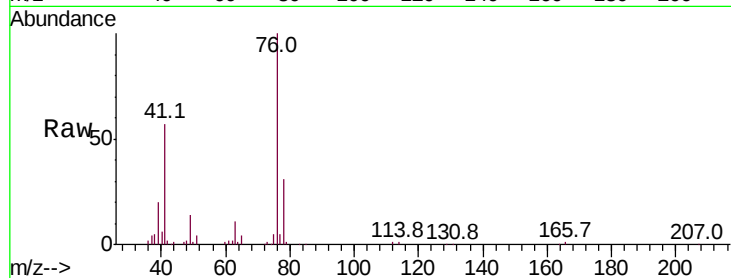
#57  
 1,3-Dichloropropane  
 Concen: 20.137 ug/l  
 RT: 10.71 min Scan# 2778  
 Delta R.T. 0.00 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0625WBSD01

Tot Ion: 76 Resp: 128253  
 Ion Ratio Lower Upper  
 76 100  
 78 32.0 25.9 38.9

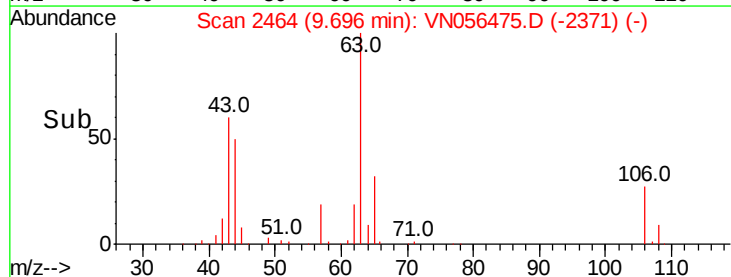
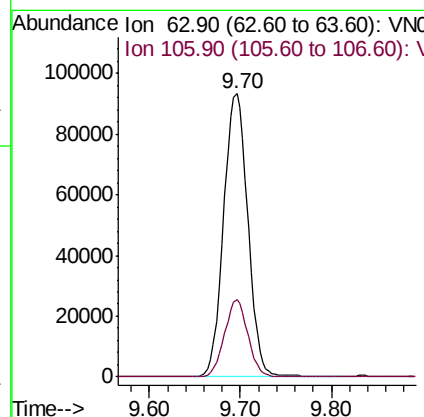
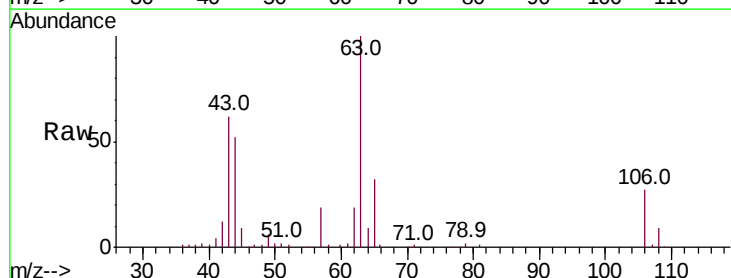
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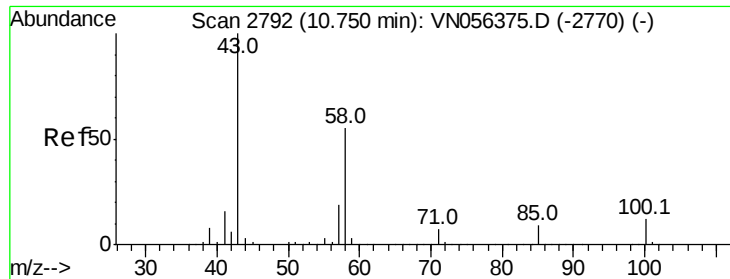
MMDadoda  
 6/26/2019 9:28:22 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 87.029 ug/l  
 RT: 9.70 min Scan# 2464  
 Delta R.T. 0.00 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

Tgt Ion: 63 Resp: 173228  
 Ion Ratio Lower Upper  
 63 100  
 106 26.3 21.6 32.4





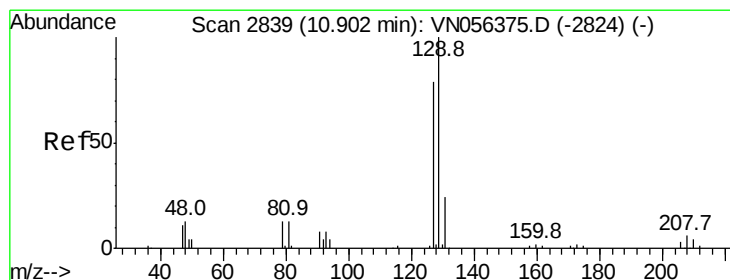
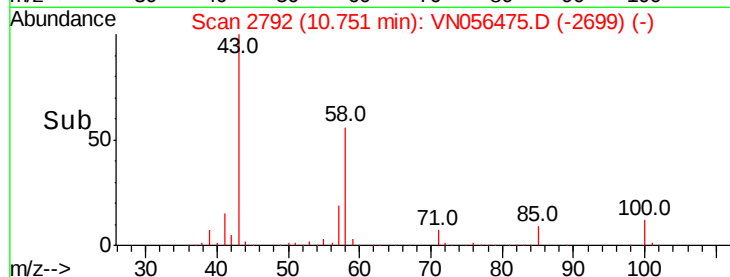
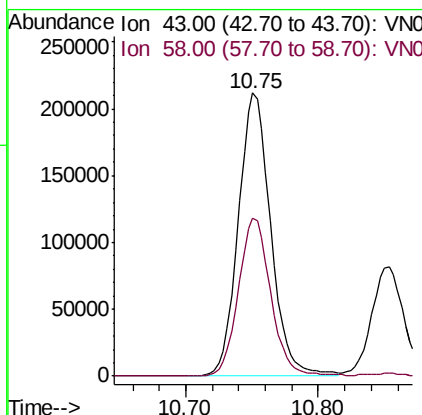
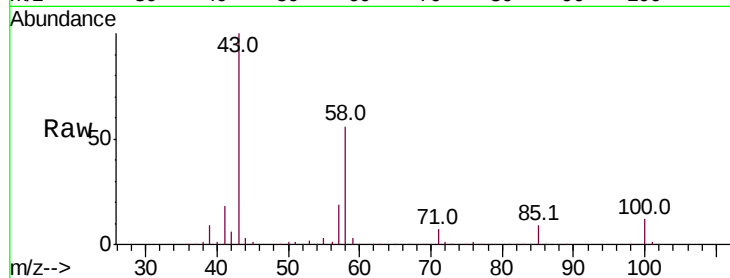
#59  
2-Hexanone  
Concen: 99.492 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0625WBSD01

Tot Ion: 43 Resp: 358700  
Ion Ratio Lower Upper  
43 100  
58 56.0 27.8 83.4

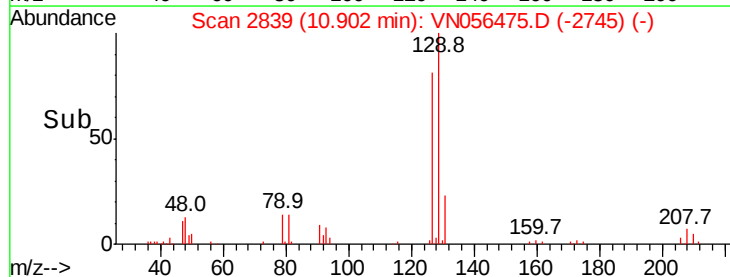
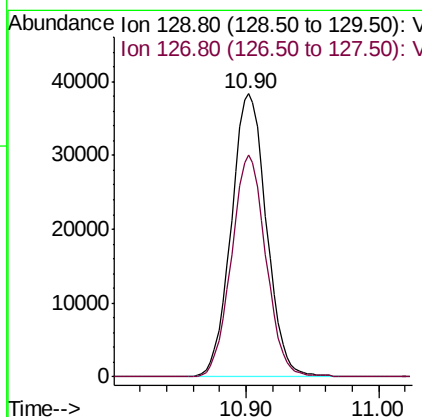
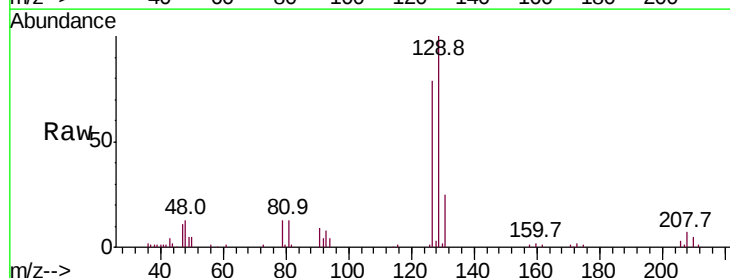
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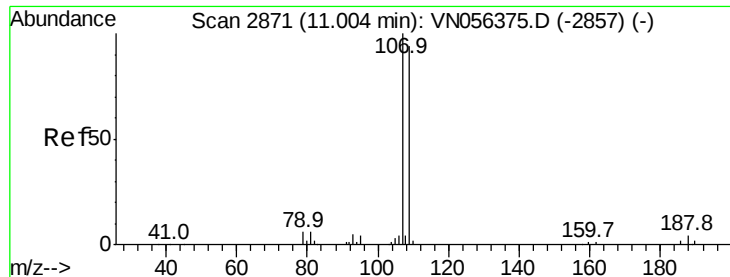
MMDadoda  
6/26/2019 9:28:22 AM



#60  
Dibromochloromethane  
Concen: 19.643 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Tgt Ion: 129 Resp: 70631  
Ion Ratio Lower Upper  
129 100  
127 76.6 38.9 116.7





#61

1,2-Dibromoethane

Concen: 20.201 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

Instrument :

MSVOA\_N

ClientSampleId :

VN0625WBSD01

Tot Ion:107 Resp: 78220

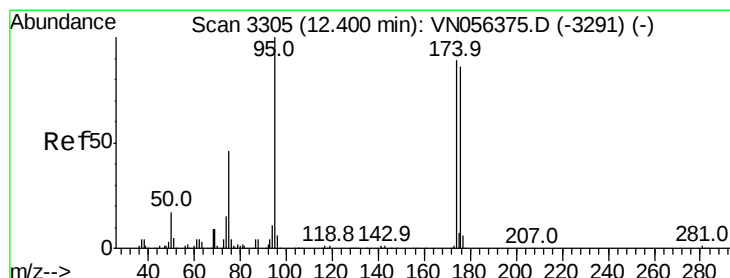
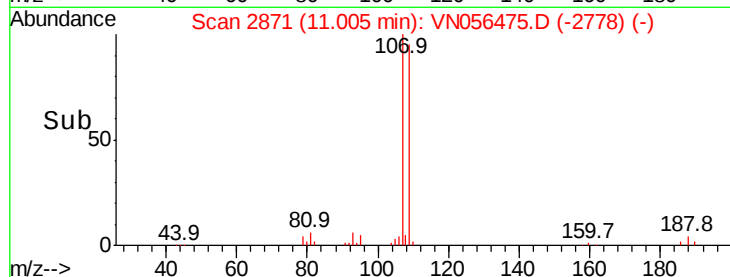
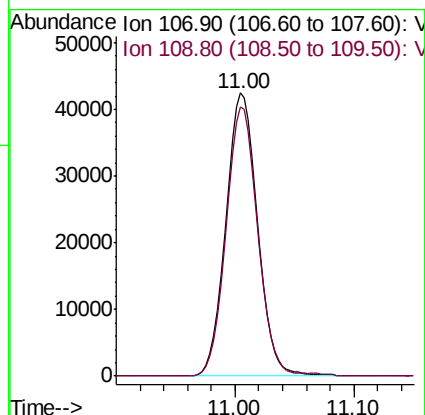
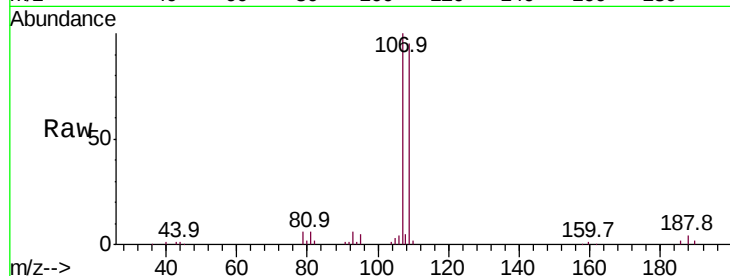
Ion Ratio Lower Upper

107 100

109 94.7 75.3 112.9

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6/26/2019 9:28:22 AM



#62

4-Bromofluorobenzene

Concen: 46.819 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

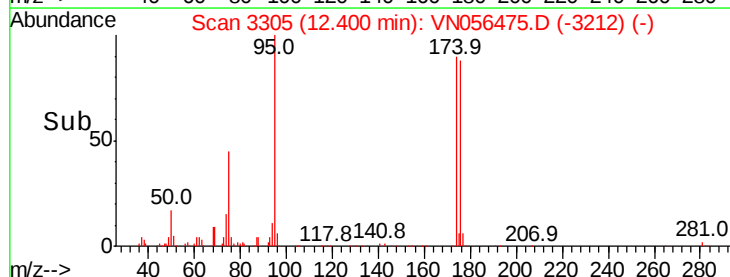
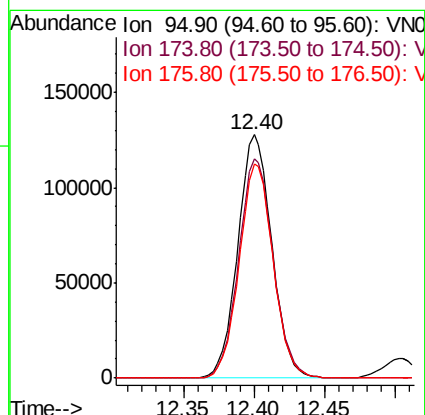
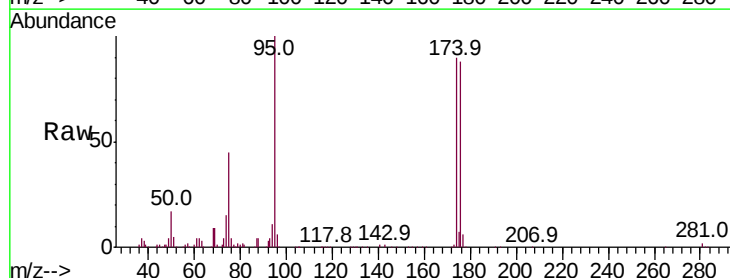
Tgt Ion: 95 Resp: 215879

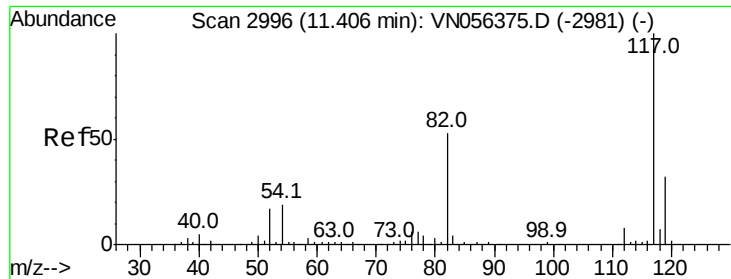
Ion Ratio Lower Upper

95 100

174 91.3 0.0 179.4

176 88.0 0.0 173.4





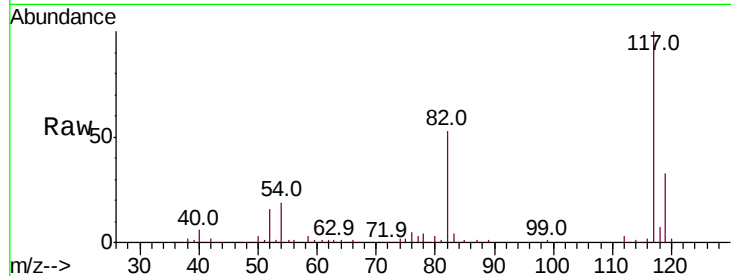
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0625WBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 82      | 53.1  | 42.0 | 63.0  |       |
| 119     | 33.1  | 25.3 | 37.9  |       |

Manual Integrations  
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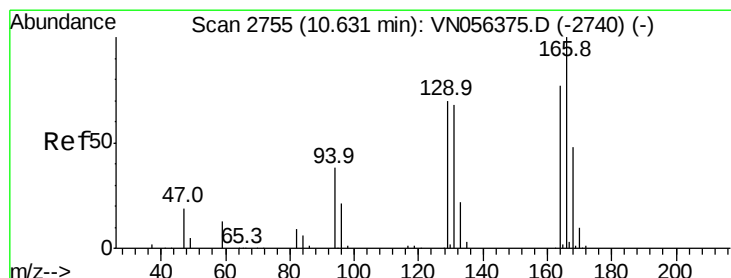
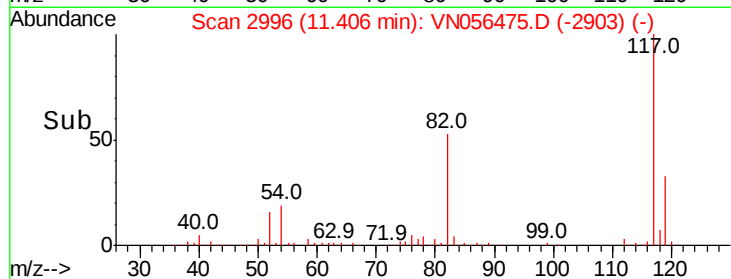
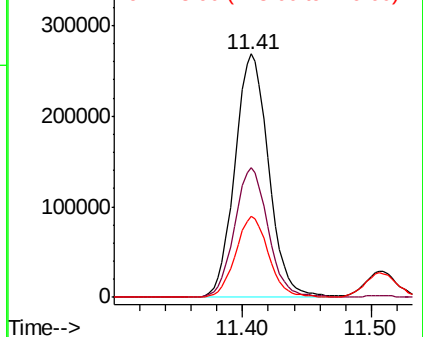


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64  
Tetrachloroethene  
Concen: 19.739 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   |       |       |       |
| 166     | 128.7 | 103.4 | 155.0 |       |
| 129     | 90.1  | 72.0  | 108.0 |       |
| 131     | 86.0  | 70.2  | 105.2 |       |

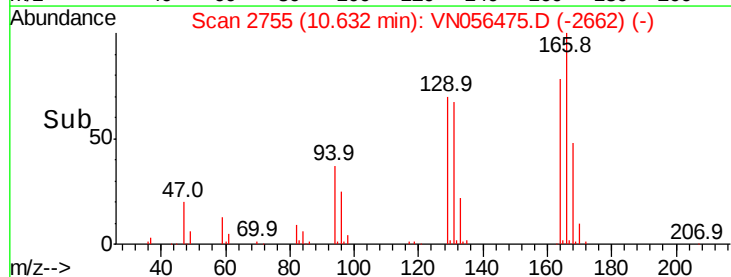
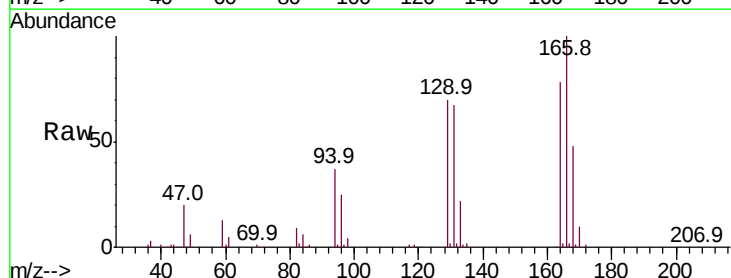
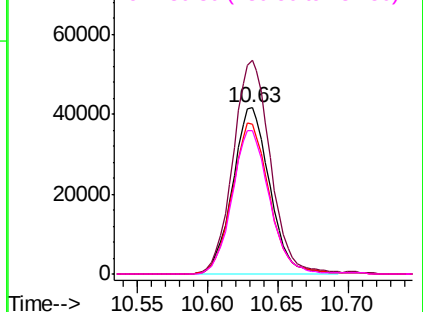
Abundance

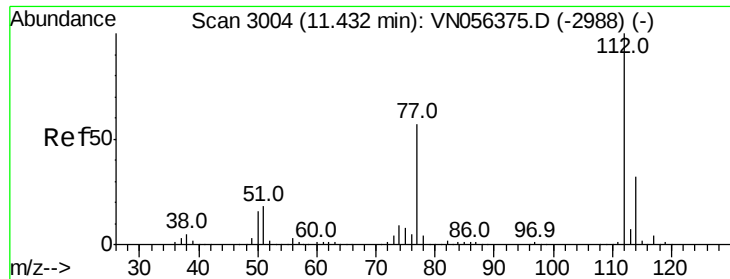
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





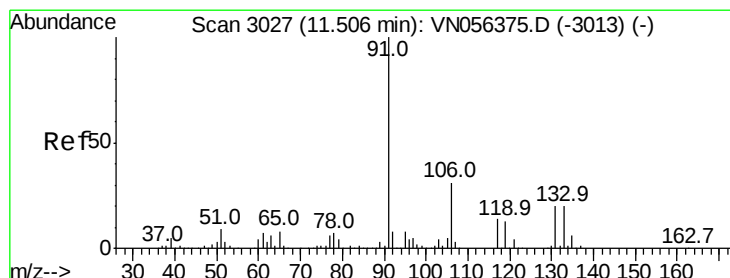
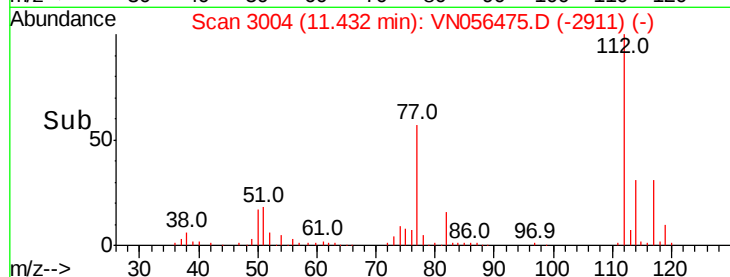
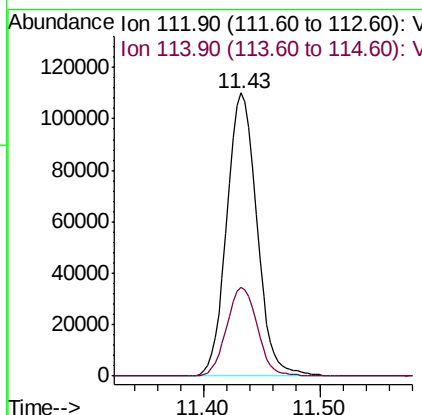
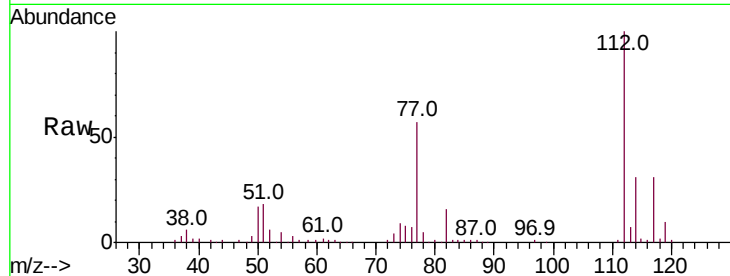
#65  
Chlorobenzene  
Concen: 20.105 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0625WBSD01

Tot Ion:112 Resp: 197931  
Ion Ratio Lower Upper  
112 100  
114 31.3 25.4 38.2

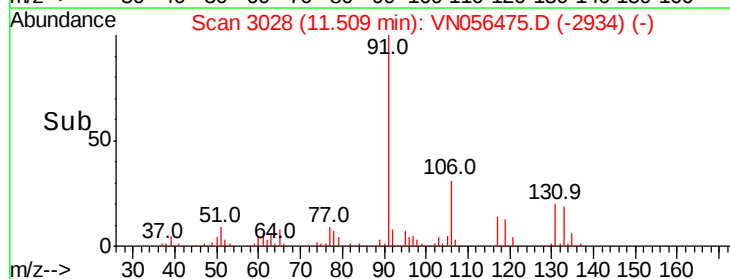
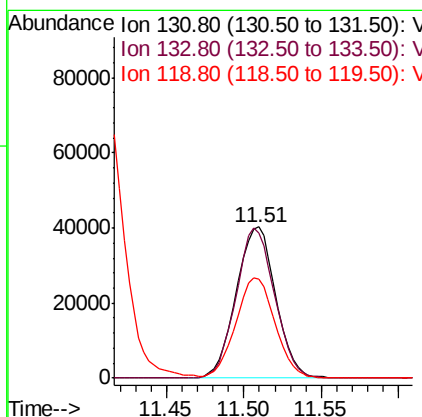
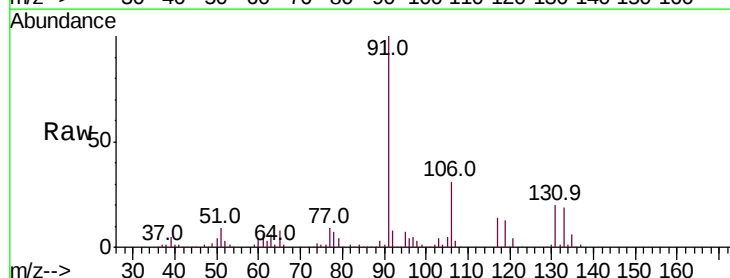
Manual Integrations  
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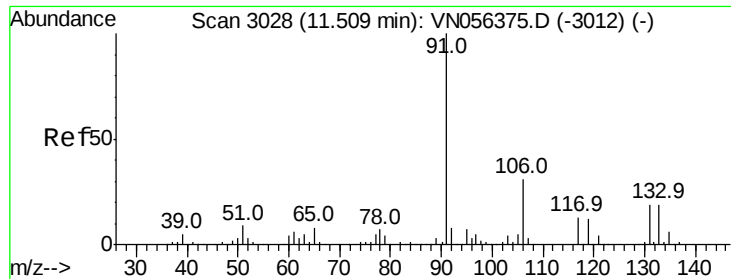
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.490 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Tgt Ion:131 Resp: 71504  
Ion Ratio Lower Upper  
131 100  
133 97.0 47.4 142.2  
119 66.1 32.8 98.4





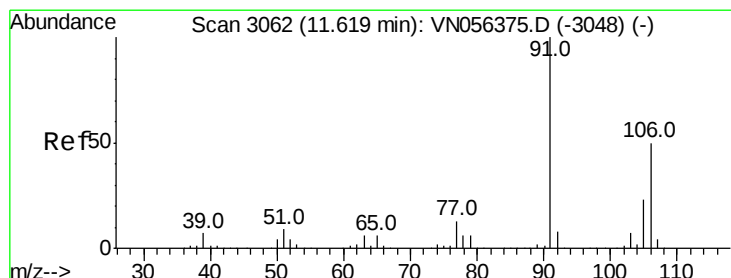
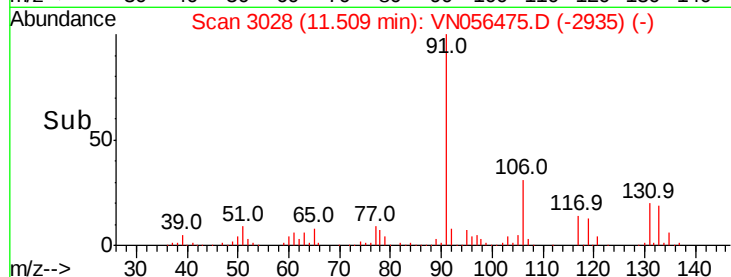
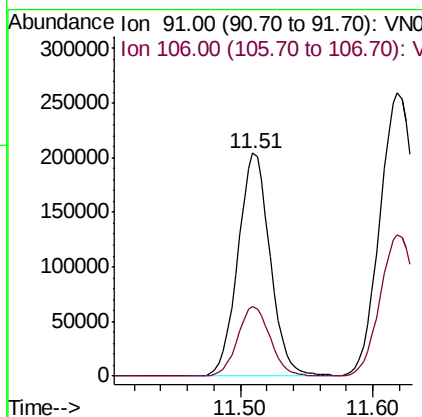
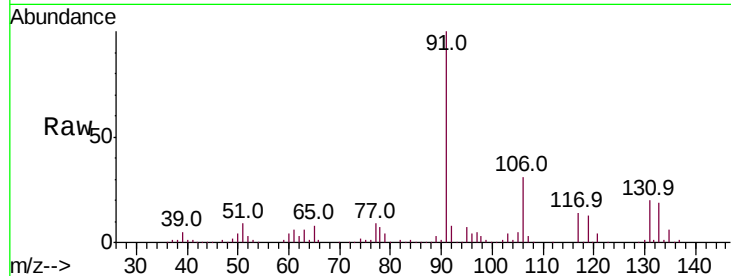
#67  
Ethyl Benzene  
Concen: 19.872 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0625WBSD01

Tot Ion: 91 Resp: 343518  
Ion Ratio Lower Upper  
91 100  
106 31.2 25.1 37.7

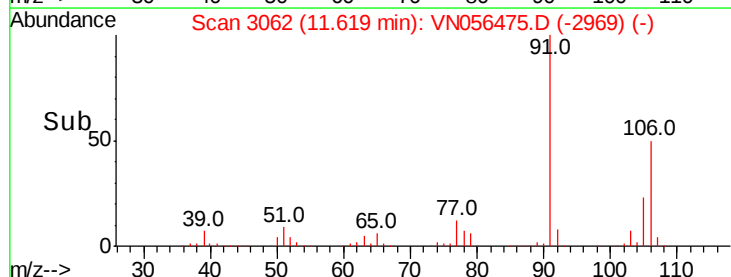
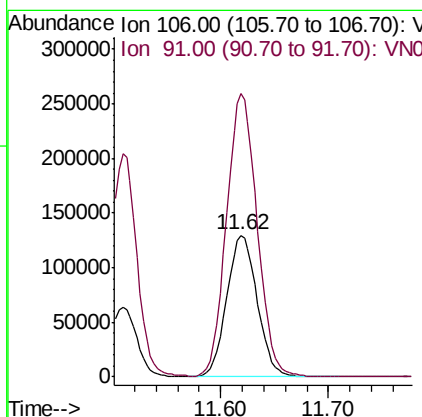
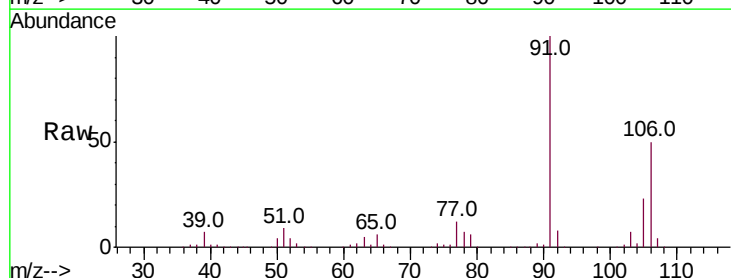
Manual Integrations  
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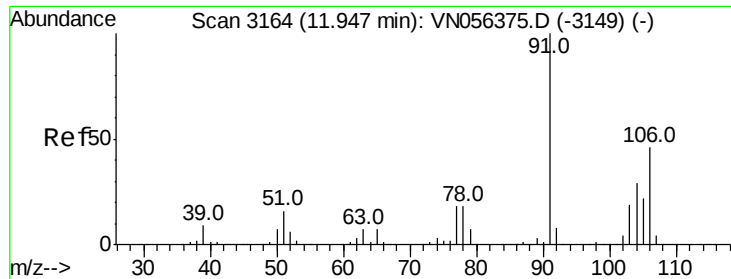
MMDadoda  
6/26/2019 9:28:22 AM



#68  
m/p-Xylenes  
Concen: 40.265 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Tgt Ion: 106 Resp: 255081  
Ion Ratio Lower Upper  
106 100  
91 200.7 160.1 240.1





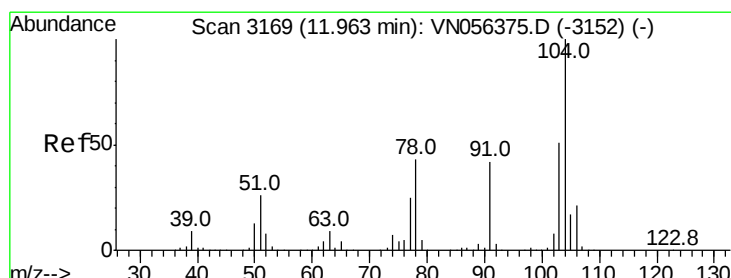
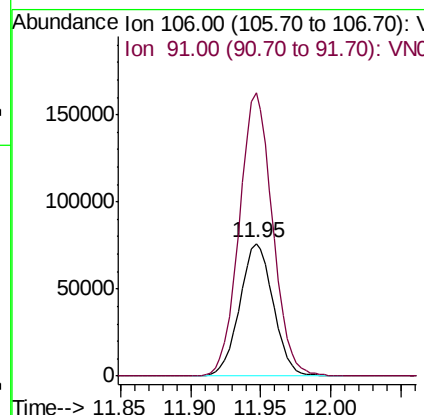
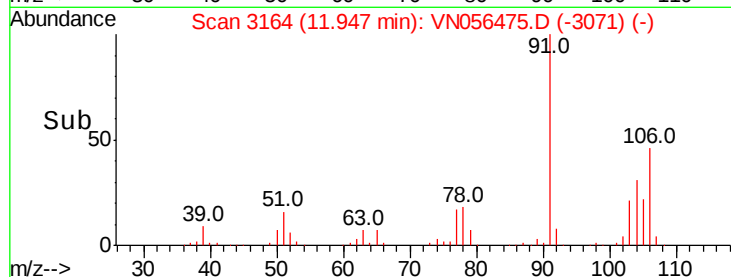
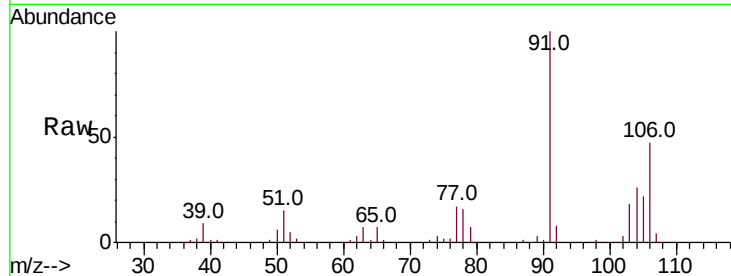
#69  
o-Xylene  
Concen: 20.299 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0625WBSD01

Tot Ion:106 Resp: 127225  
Ion Ratio Lower Upper  
106 100  
91 211.8 107.1 321.3

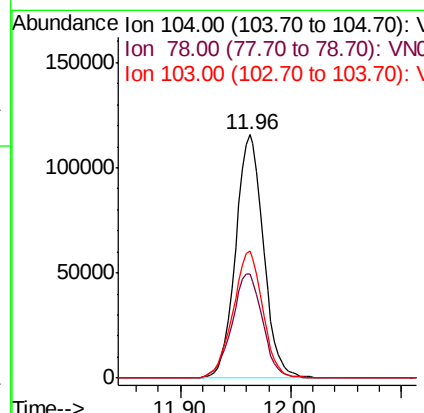
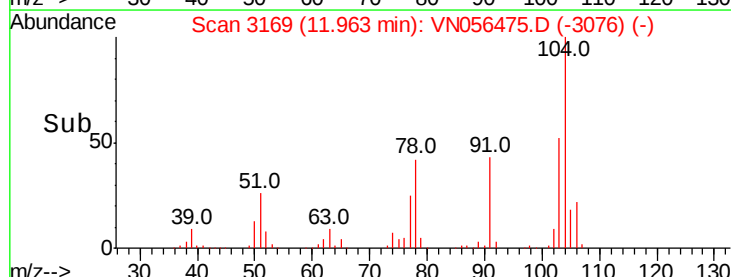
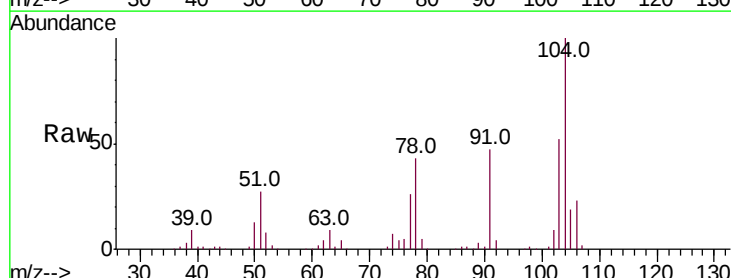
Manual Integrations  
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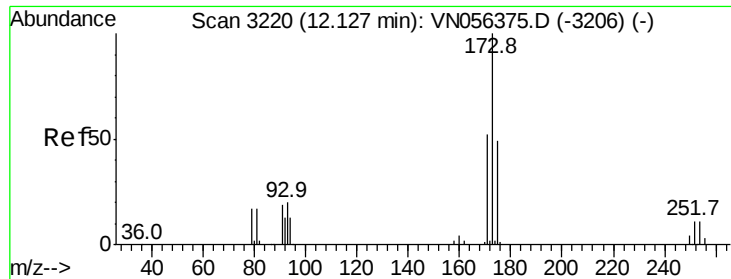
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#70  
Styrene  
Concen: 20.208 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Tgt Ion:104 Resp: 202450  
Ion Ratio Lower Upper  
104 100  
78 47.3 38.6 57.8  
103 56.0 43.9 65.9





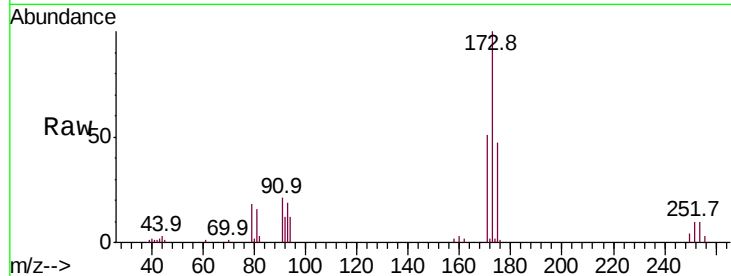
#71  
Bromoform  
Concen: 19.961 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0625WBSD01

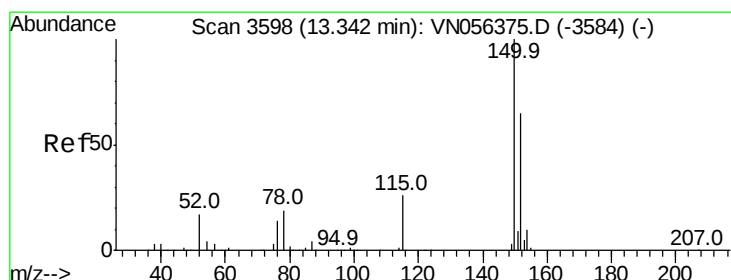
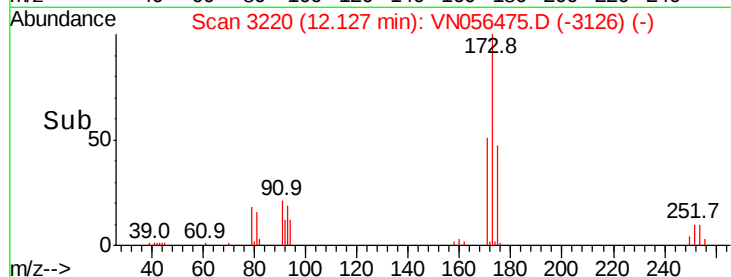
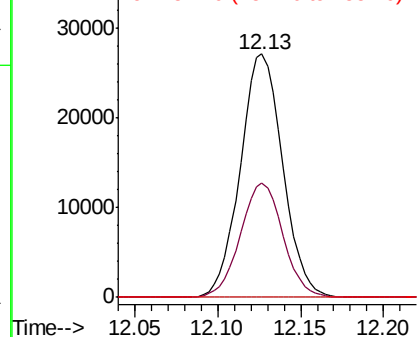
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.1  | 24.4  | 73.4  |
| 254     | 0.0   | 0.0   | 0.0   |

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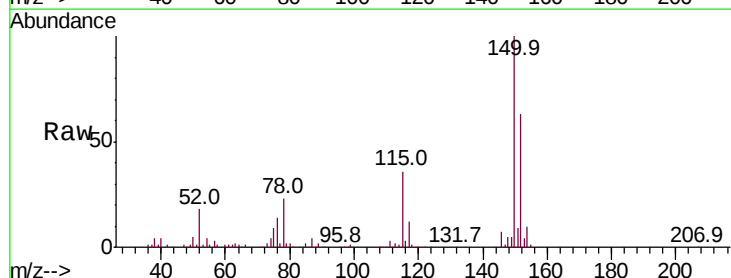


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

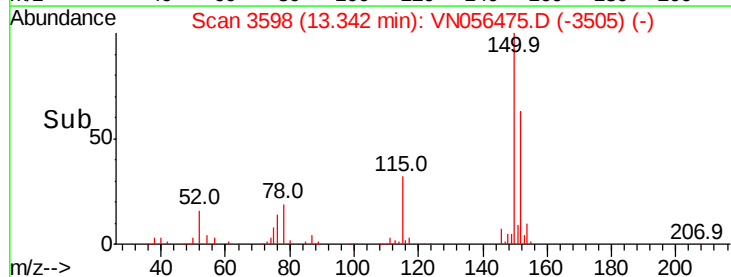
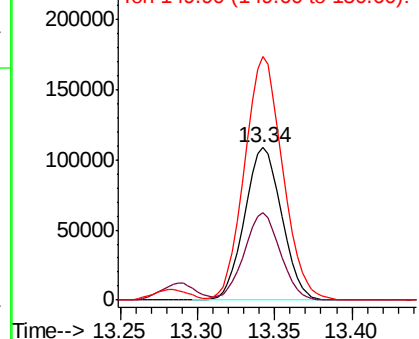


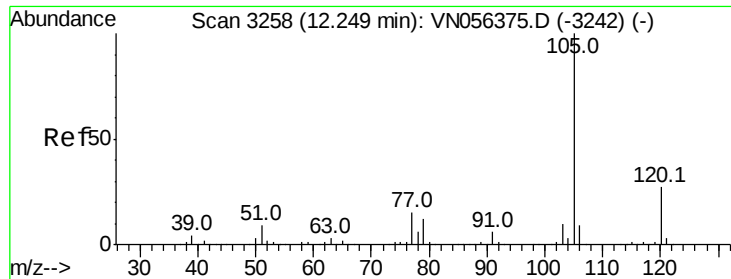
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.8  | 28.1  | 84.4  |
| 150     | 163.9 | 0.0   | 348.4 |



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





#73

Isopropylbenzene

Concen: 23.470 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

Instrument :

MSVOA\_N

ClientSampleId :

VN0625WBSD01

Tot Ion: 105 Resp: 340796

Ion Ratio Lower Upper

105 100

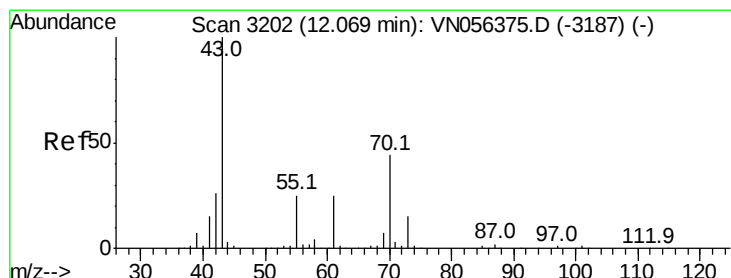
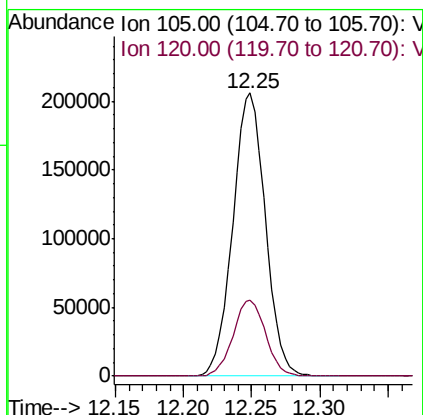
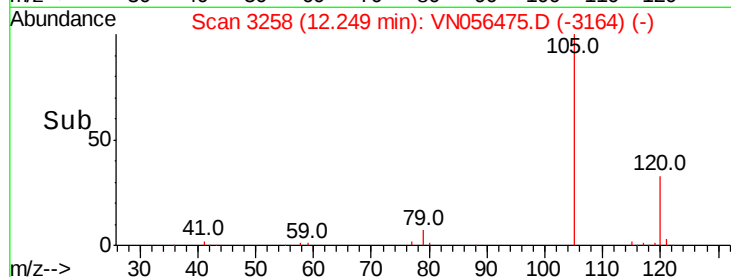
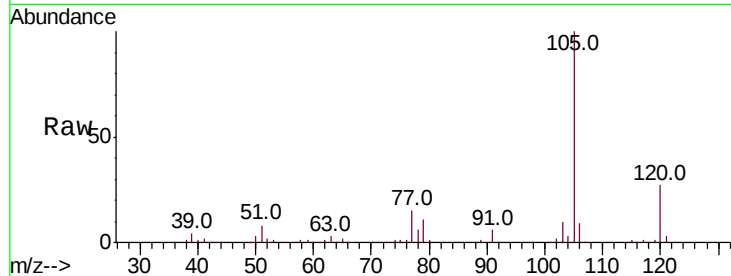
120 26.8 13.4 40.2

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#74

N-ethyl acetate

Concen: 21.545 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

Tgt Ion: 43 Resp: 124967

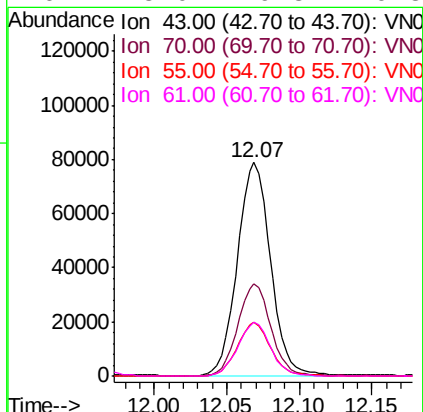
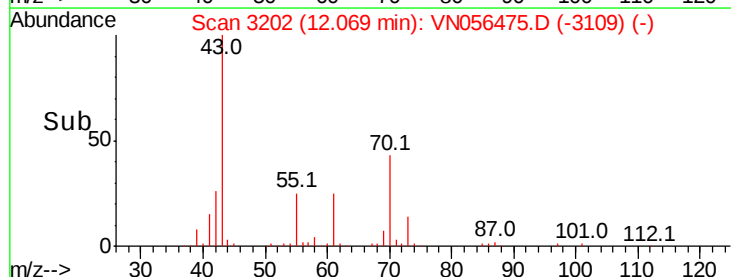
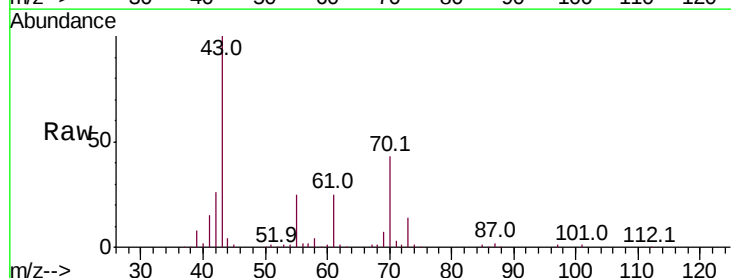
Ion Ratio Lower Upper

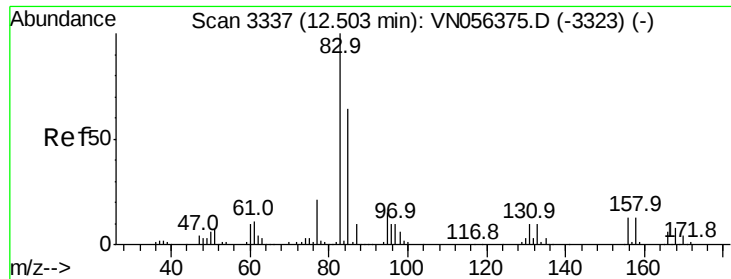
43 100

70 43.3 34.9 52.3

55 25.3 20.4 30.6

61 25.0 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 23.144 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

Instrument :

MSVOA\_N

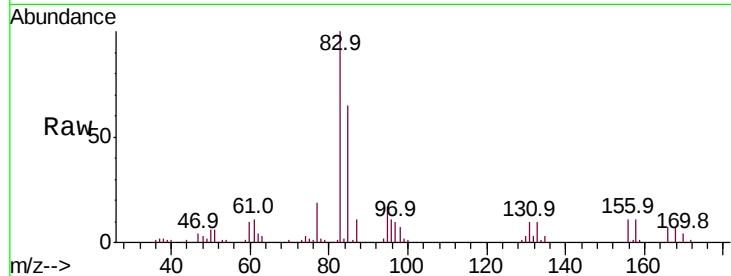
ClientSampleId :

VN0625WBSD01

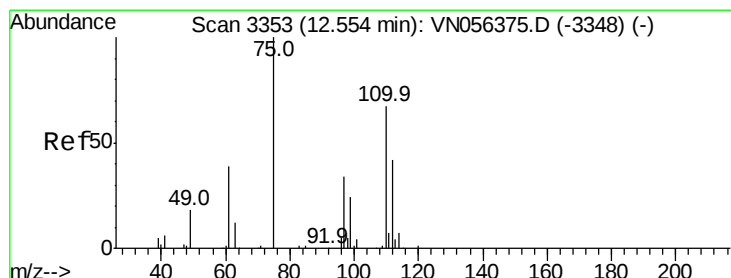
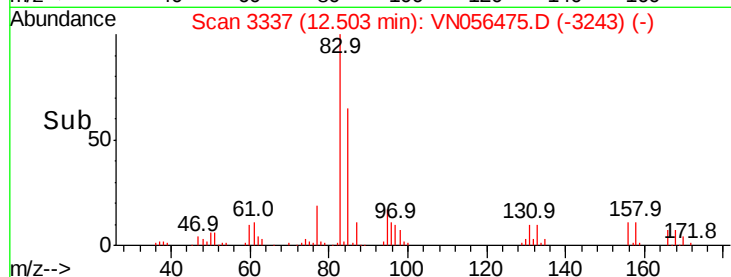
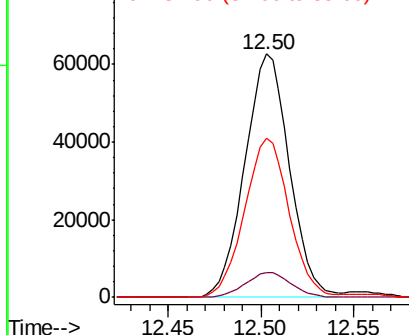
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 105079 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.6  | 5.3   | 15.8   |
| 85        | 65.5  | 32.4  | 97.0   |

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Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 130.80 (130.50 to 131.50): V  
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 22.580 ug/l m

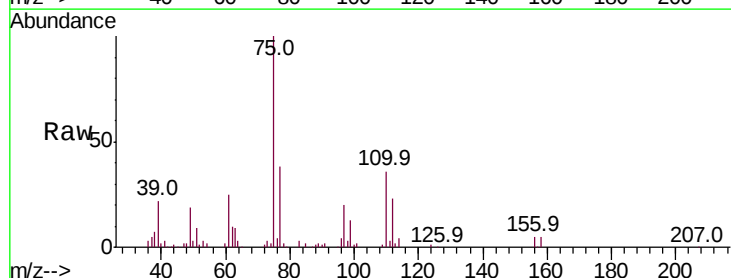
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

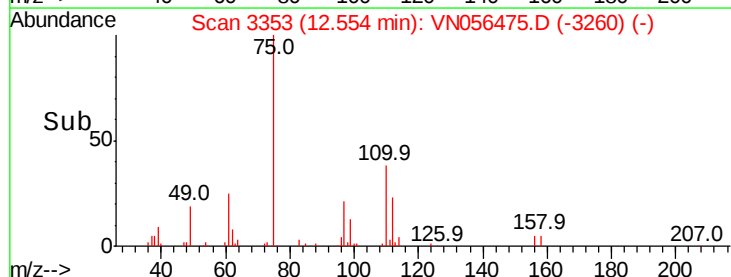
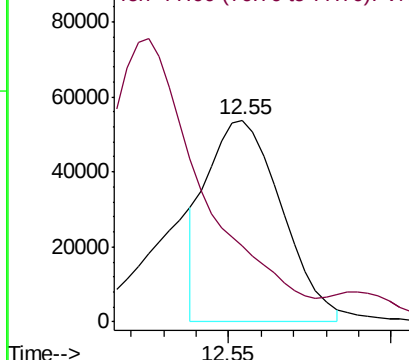
Lab File: VN056475.D

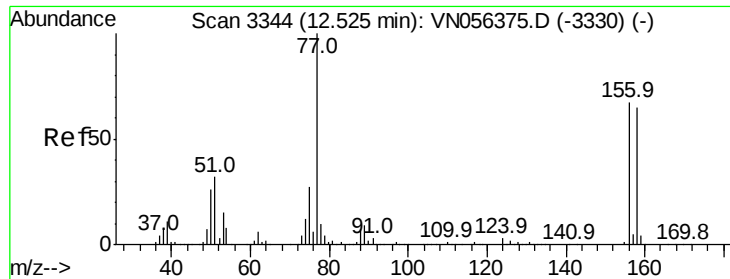
Acq: 25 Jun 2019 10:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 85332 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |



Abundance Ion 74.90 (74.60 to 75.60): VN0  
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.885 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

Instrument :

MSVOA\_N

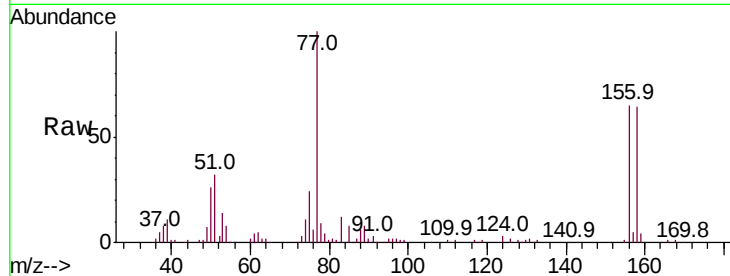
ClientSampleId :

VN0625WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 156   | Resp: | 85111 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 188.8 | 92.5  | 277.3 |
| 158       | 98.6  | 48.7  | 146.1 |

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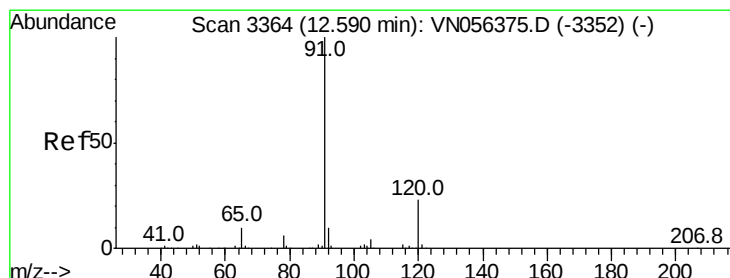
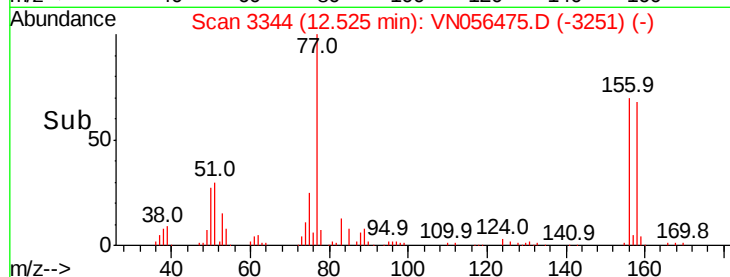
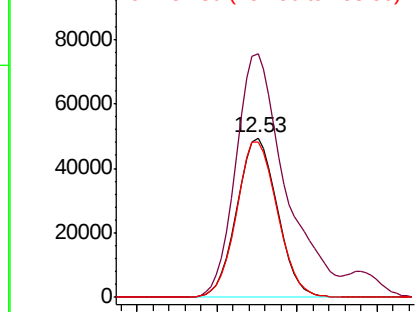
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.988 ug/l

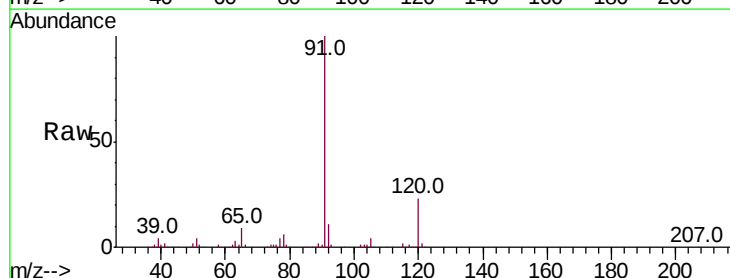
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056475.D

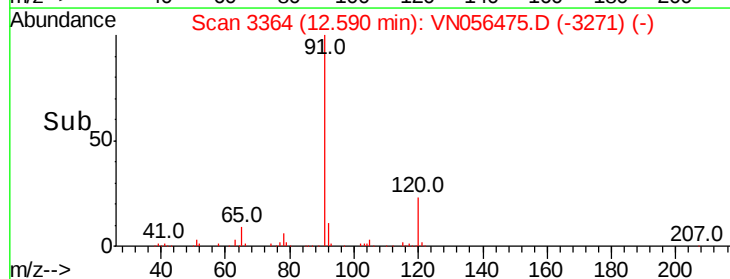
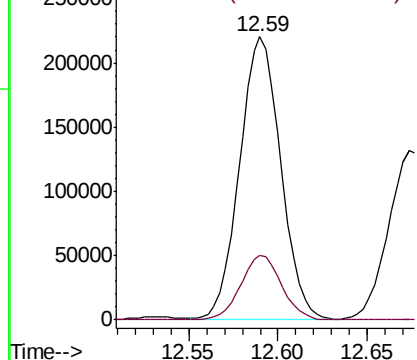
Acq: 25 Jun 2019 10:49

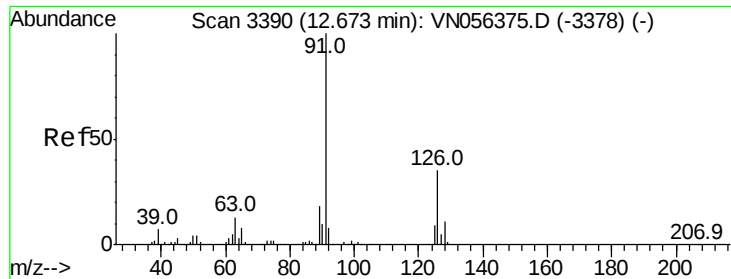
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 350295 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.7  | 11.8  | 35.4   |



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.457 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

Instrument :

MSVOA\_N

ClientSampleId :

VN0625WBSD01

Tot Ion: 91 Resp: 218275

Ion Ratio Lower Upper

91 100

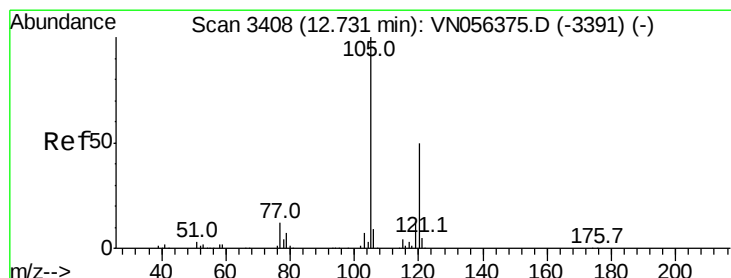
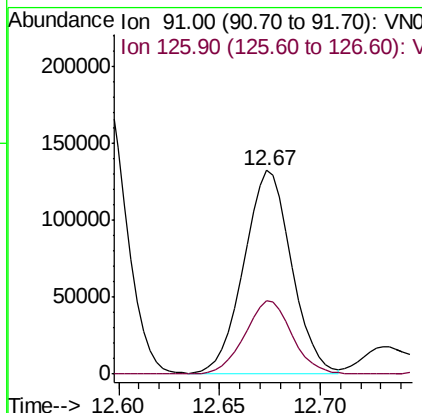
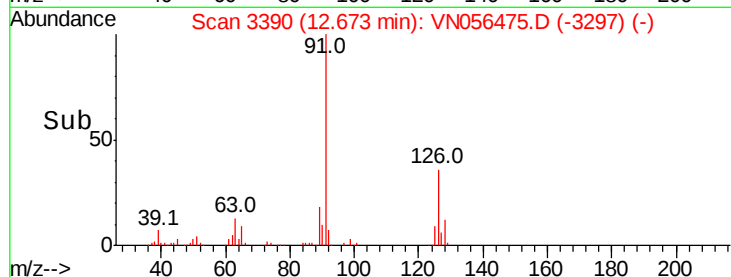
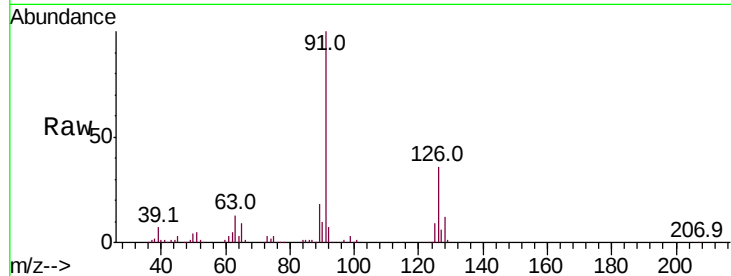
126 35.9 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 22.632 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056475.D

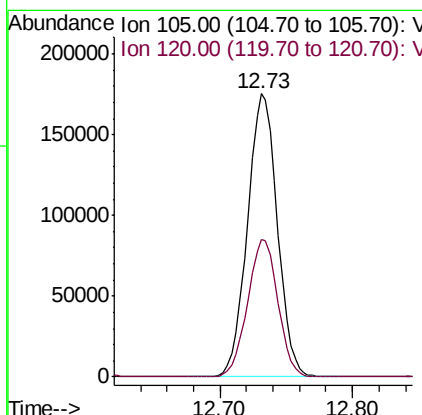
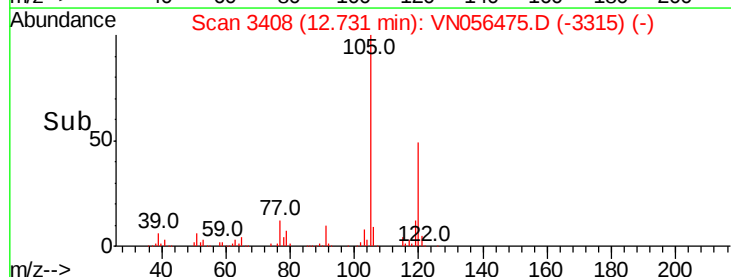
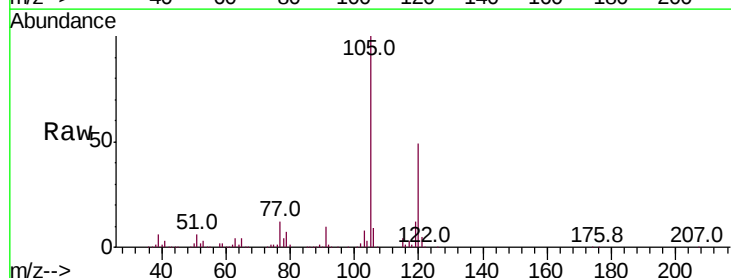
Acq: 25 Jun 2019 10:49

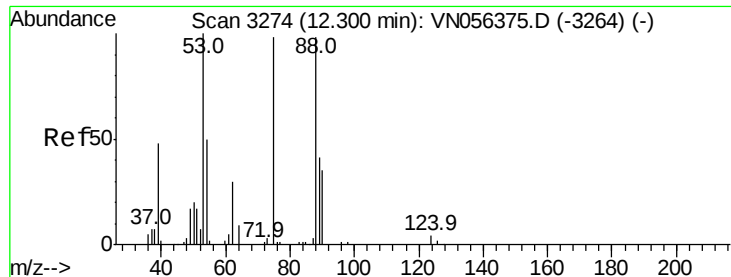
Tgt Ion: 105 Resp: 273775

Ion Ratio Lower Upper

105 100

120 49.2 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 21.927 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

Instrument :

MSVOA\_N

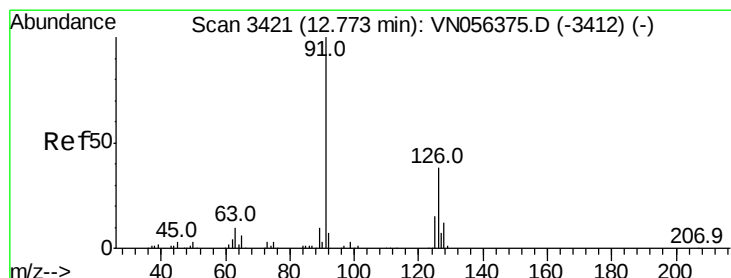
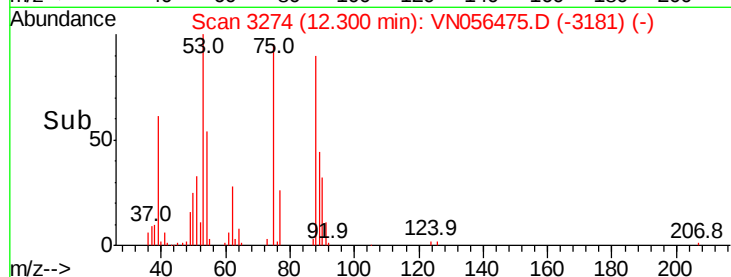
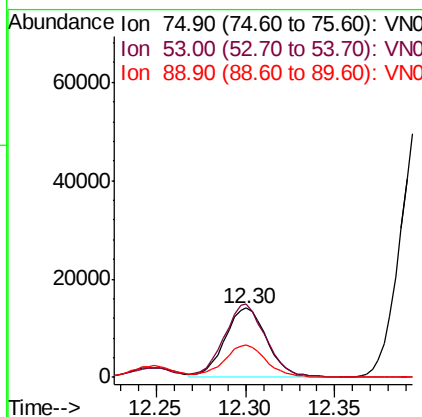
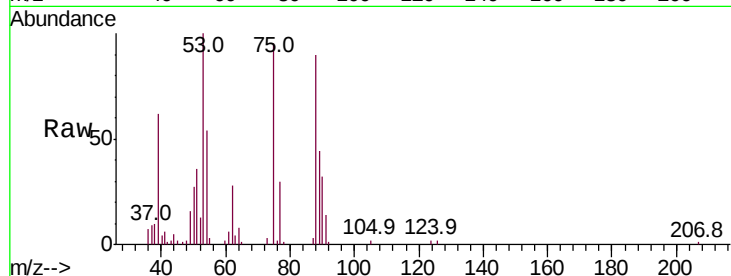
ClientSampleId :

VN0625WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 23314 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 104.4 | 83.9  | 125.9 |
| 89       | 46.0  | 35.0  | 52.6  |

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#82

4-Chlorotoluene

Concen: 20.419 ug/l

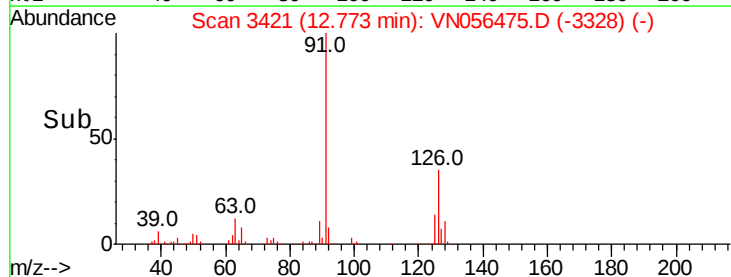
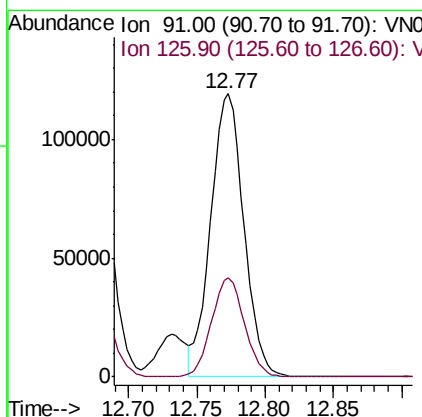
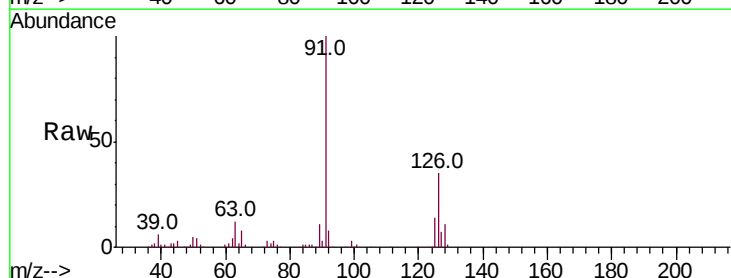
RT: 12.77 min Scan# 3421

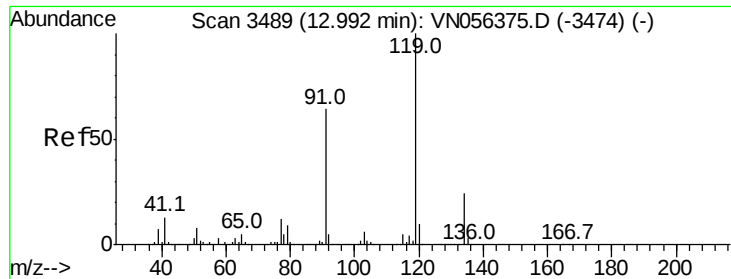
Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 201218 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 34.7  | 17.3  | 52.0   |





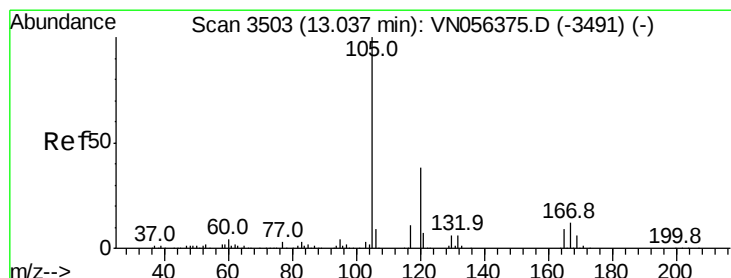
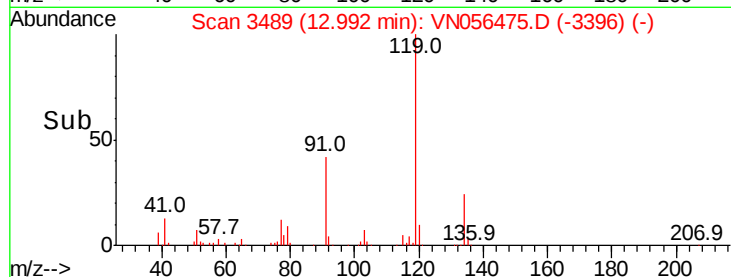
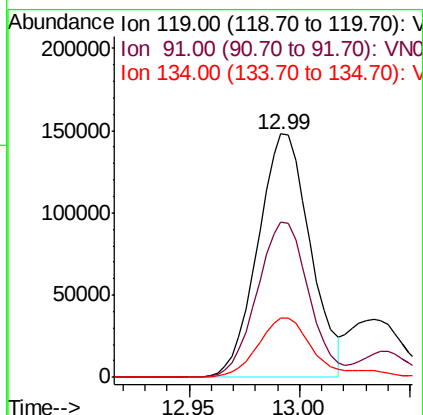
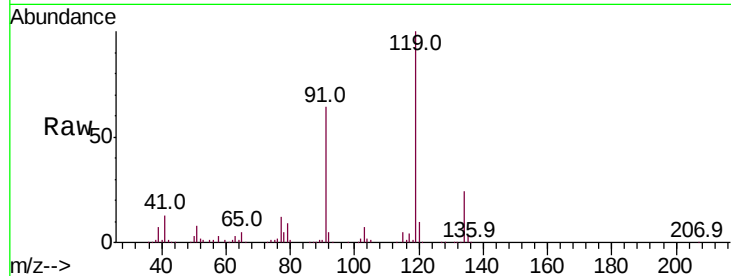
#83  
 tert-Butylbenzene  
 Concen: 22.826 ug/l  
 RT: 12.99 min Scan# 3489  
 Delta R.T. 0.00 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0625WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 243128 |       |       |
| 91      | 63.2  | 31.6   | 94.7  |       |
| 134     | 26.6  | 13.2   | 39.5  |       |

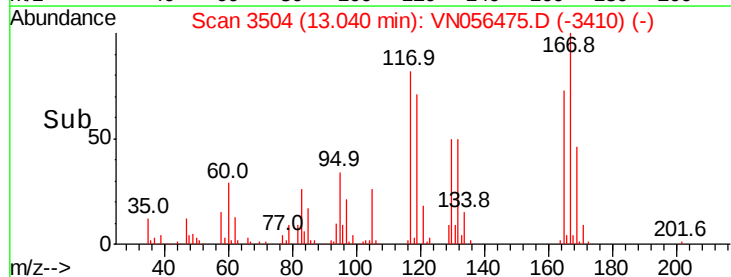
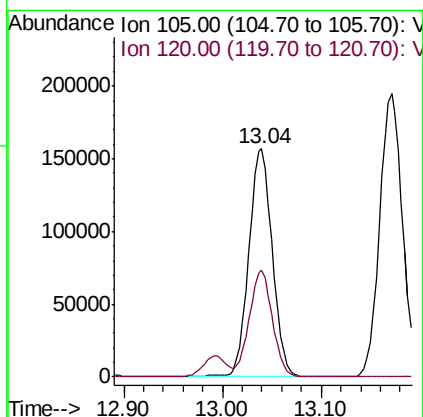
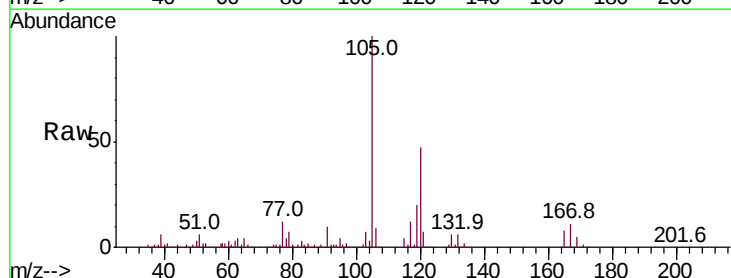
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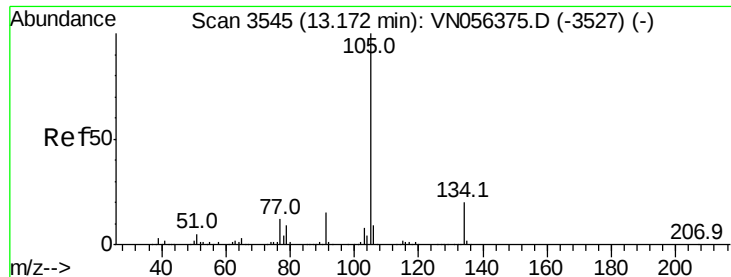
MMDadoda  
 6/26/2019 9:28:22 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.908 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 256528 |       |       |
| 120     | 45.9  | 22.9   | 68.8  |       |





#85

sec-Butylbenzene

Concen: 21.243 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

Instrument :

MSVOA\_N

ClientSampleId :

VN0625WBSD01

Tot Ion:105 Resp: 311623

Ion Ratio Lower Upper

105 100

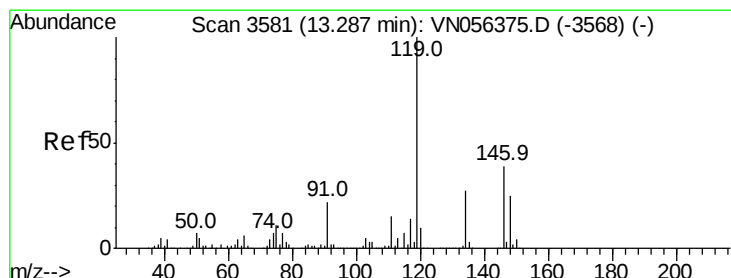
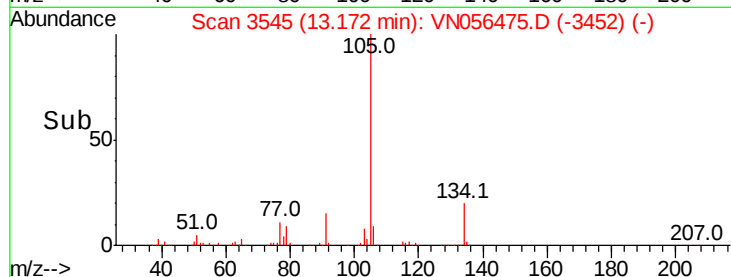
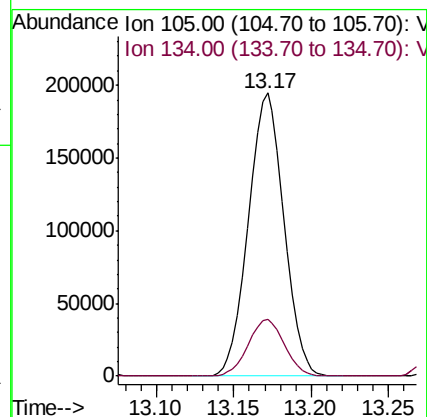
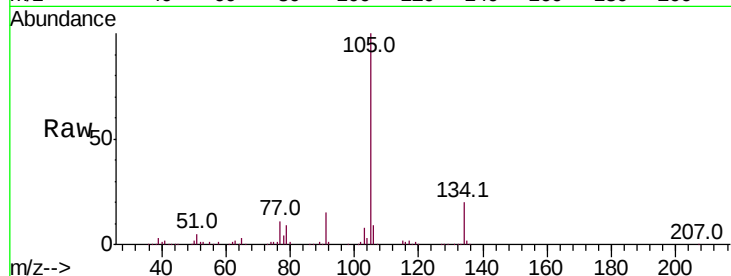
134 20.3 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 20.807 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

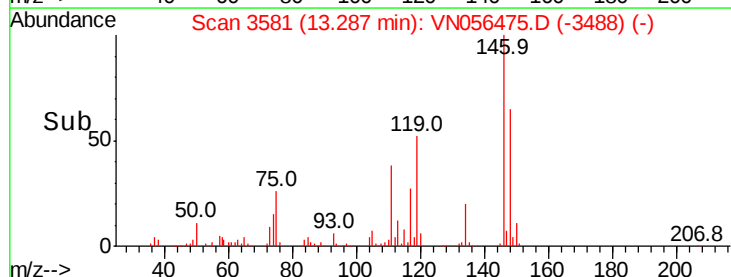
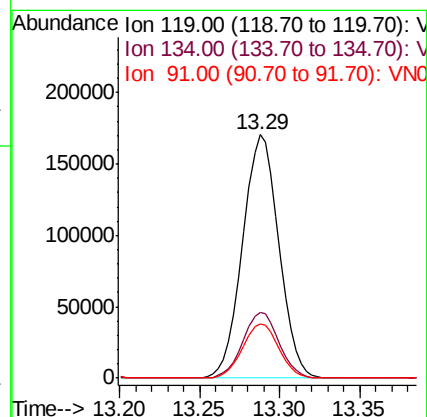
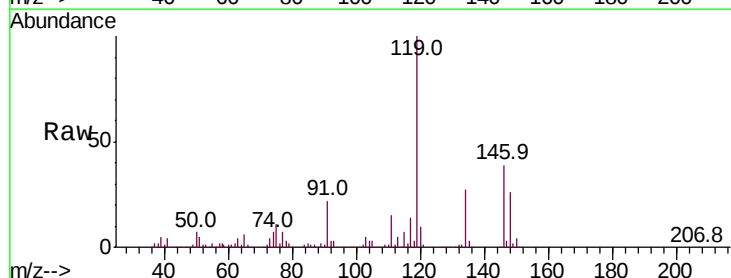
Tgt Ion:119 Resp: 261941

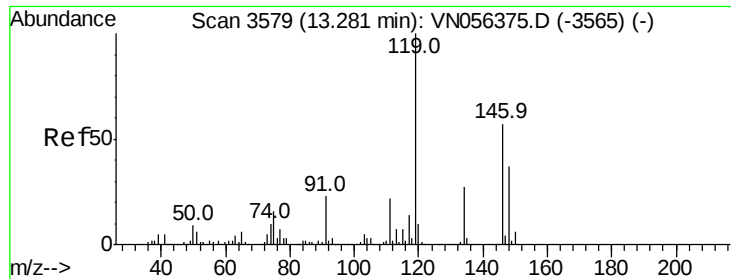
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.6 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 20.319 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056475.D

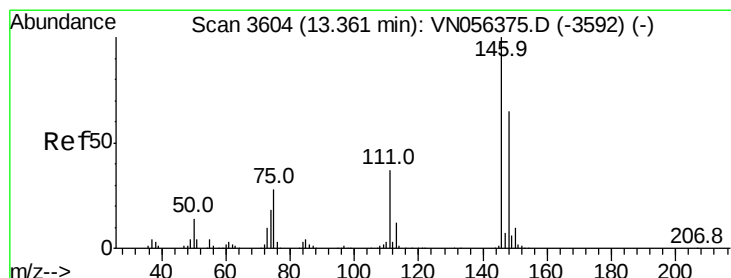
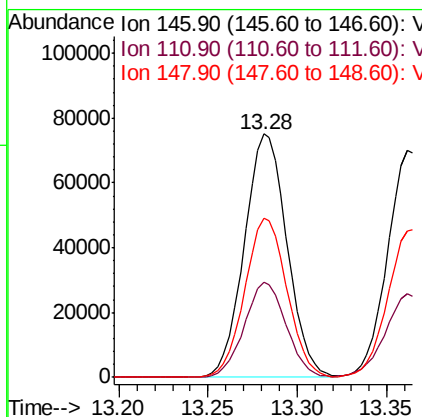
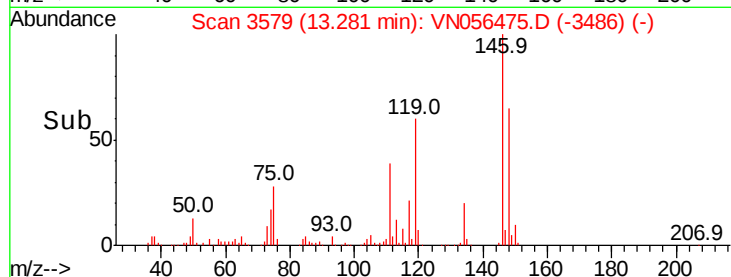
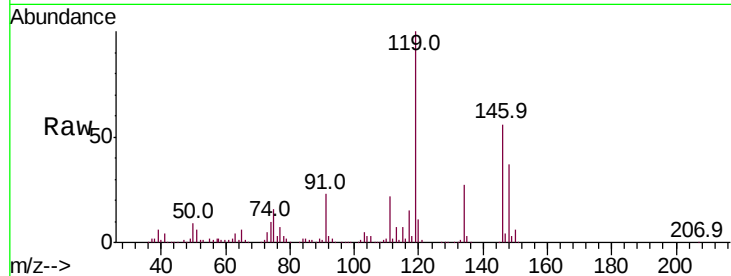
Acq: 25 Jun 2019 10:49

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0625WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 125482 |       |       |
| 111     | 38.2  | 18.9   | 56.9  |       |
| 148     | 64.7  | 32.1   | 96.5  |       |

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#88

1,4-Dichlorobenzene

Concen: 20.022 ug/l

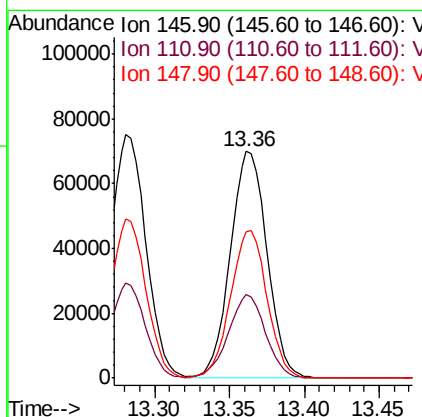
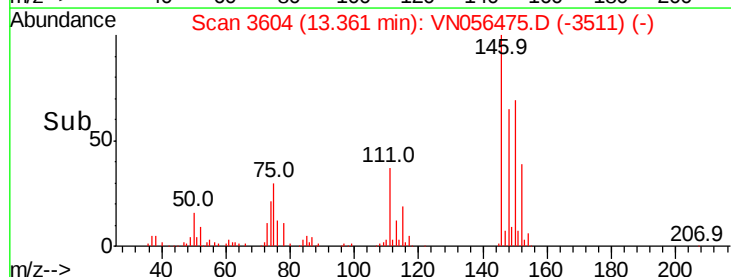
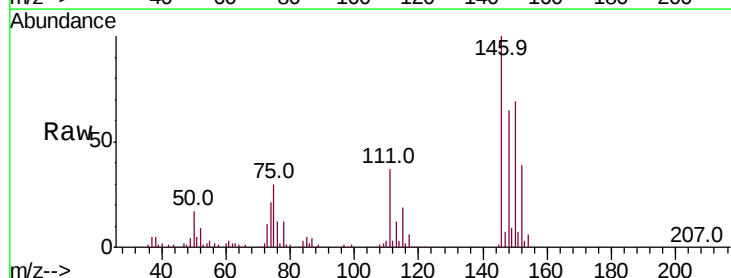
RT: 13.36 min Scan# 3604

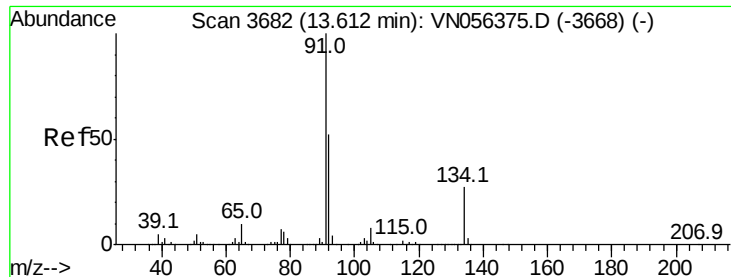
Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 119753 |       |       |
| 111     | 37.4  | 18.4   | 55.4  |       |
| 148     | 64.6  | 32.4   | 97.0  |       |





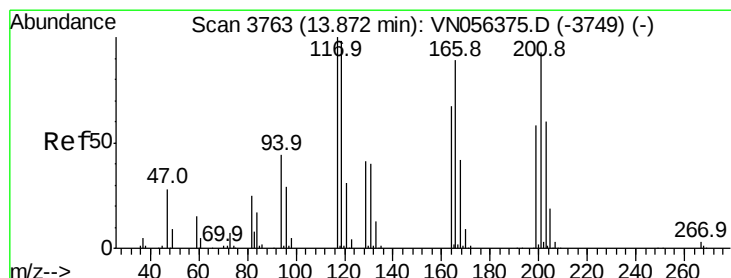
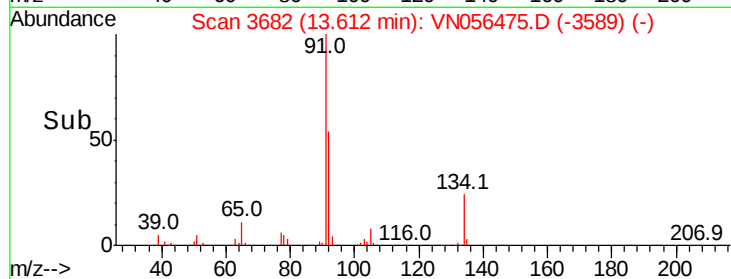
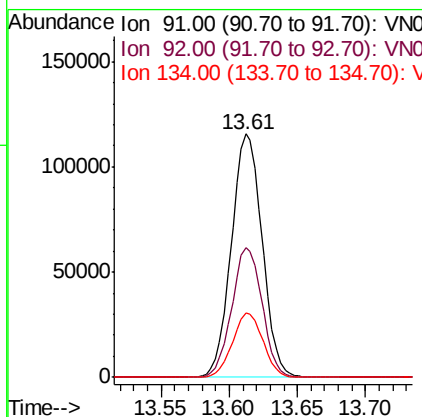
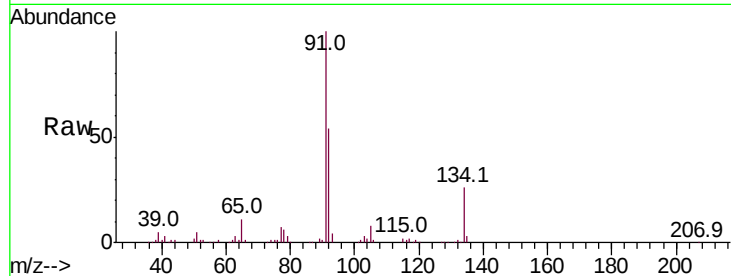
#89  
n-Butylbenzene  
Concen: 19.005 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0625WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.7  | 26.2  | 78.5  |
| 134     | 26.1  | 13.4  | 40.2  |

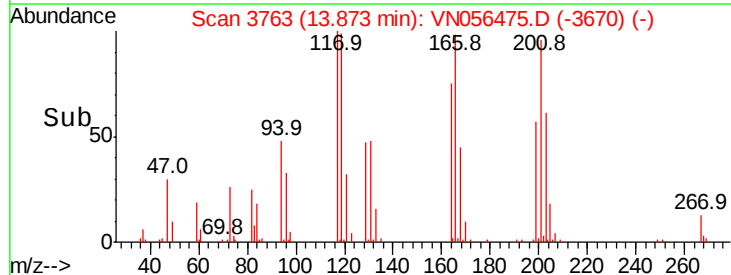
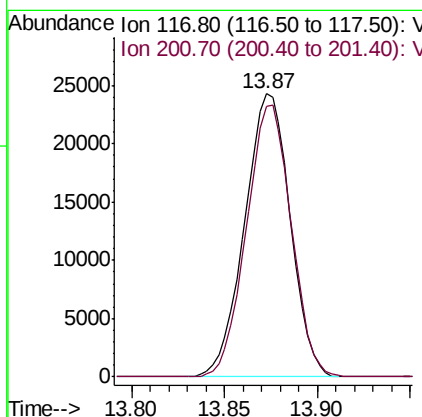
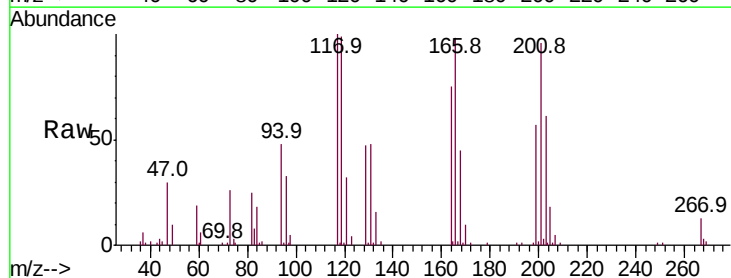
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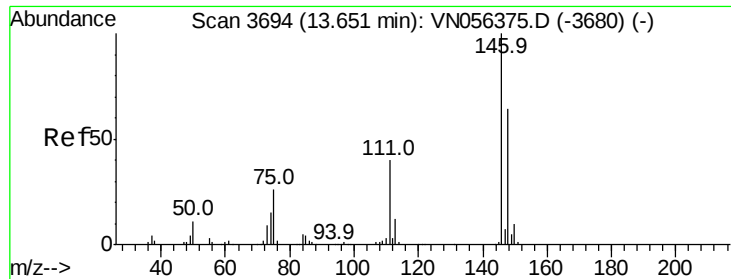
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#90  
Hexachloroethane  
Concen: 21.193 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN056475.D  
Acq: 25 Jun 2019 10:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 94.5  | 45.9  | 137.6 |





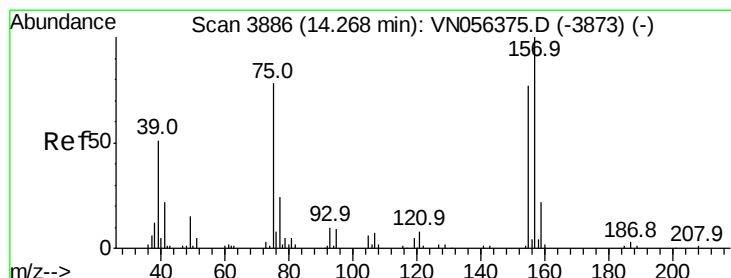
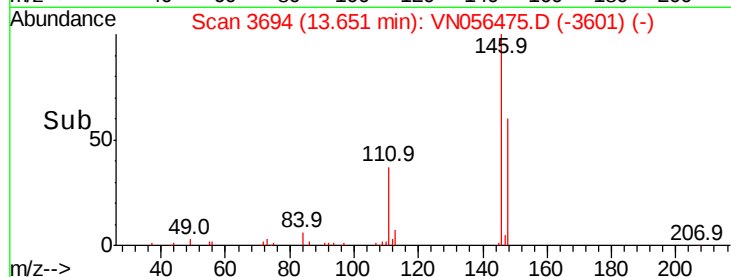
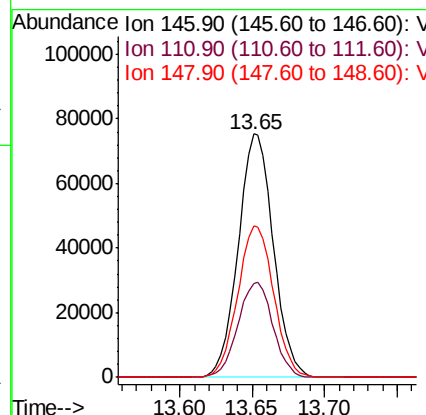
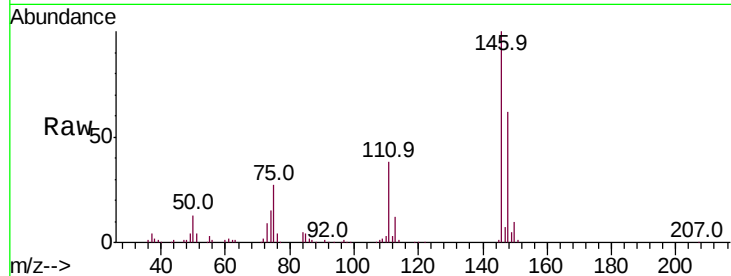
#91  
 1,2-Dichlorobenzene  
 Concen: 20.657 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0625WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 126571 |       |       |
| 111     | 38.9  | 19.3   | 57.9  |       |
| 148     | 63.5  | 32.0   | 96.0  |       |

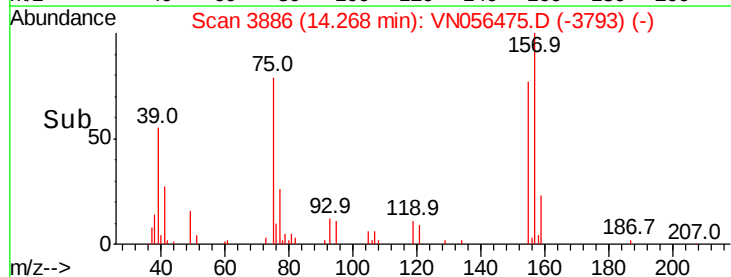
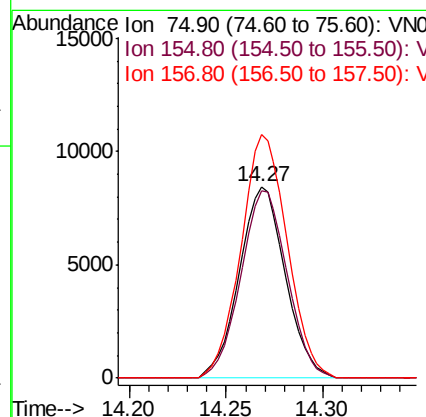
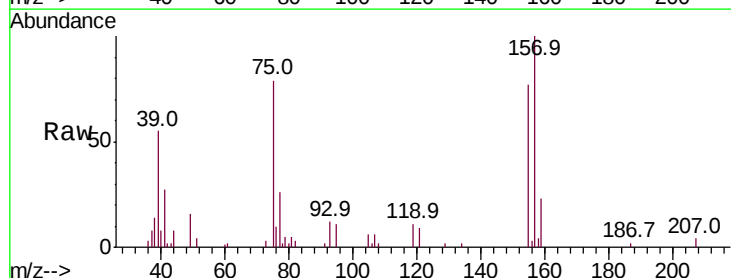
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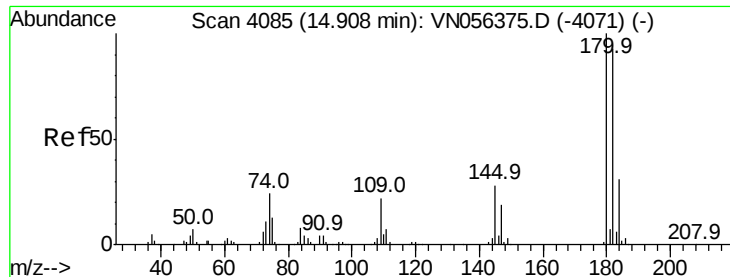
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.772 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. 0.00 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 14008 |       |       |
| 155     | 98.3  | 48.9  | 146.8 |       |
| 157     | 127.8 | 62.9  | 188.8 |       |





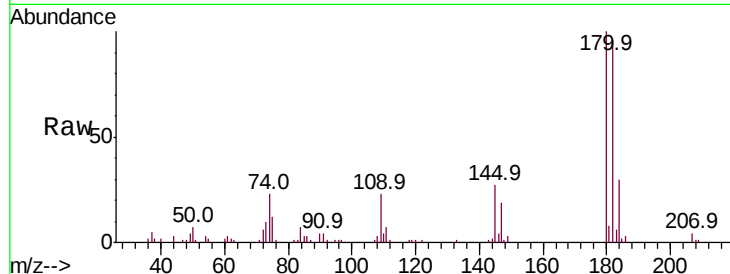
#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.127 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0625WBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 94.0  | 46.9 | 140.6 |       |
| 145     | 27.7  | 14.4 | 43.0  |       |

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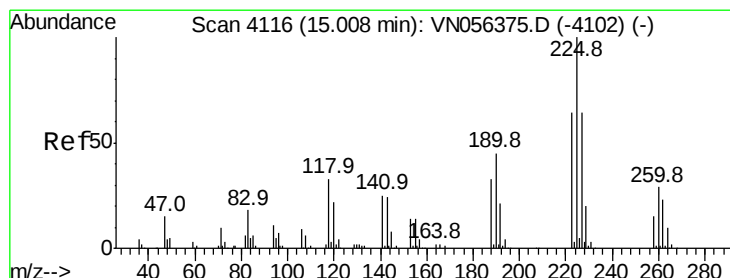
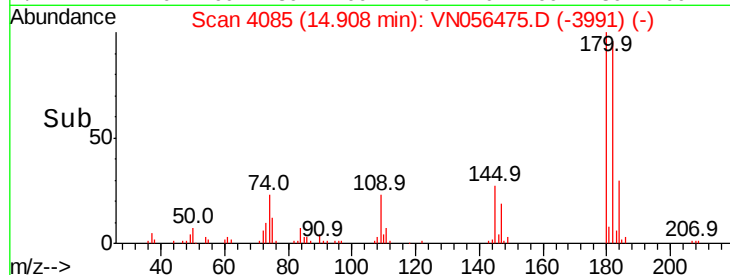
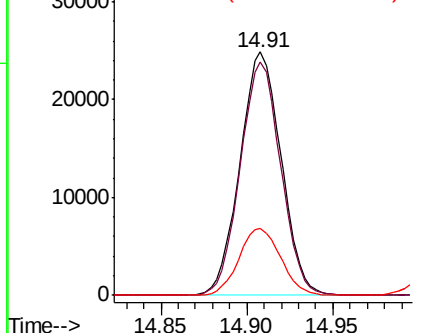


Abundance

Ion 179.80 (179.50 to 180.50): V

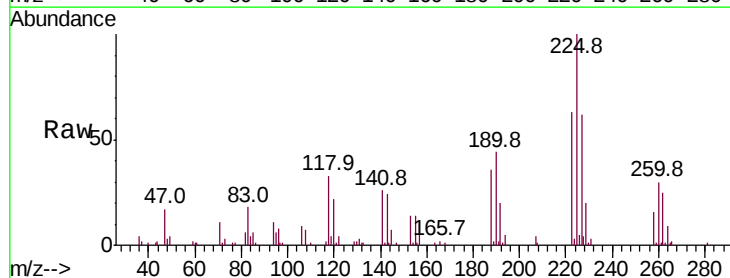
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
 Hexachlorobutadiene  
 Concen: 22.258 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN056475.D  
 Acq: 25 Jun 2019 10:49

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 63.2  | 31.4 | 94.3  |       |
| 227     | 63.7  | 32.1 | 96.3  |       |

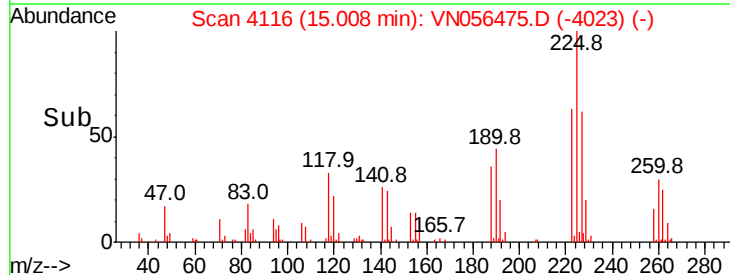
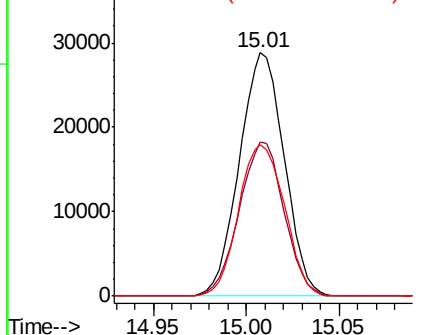


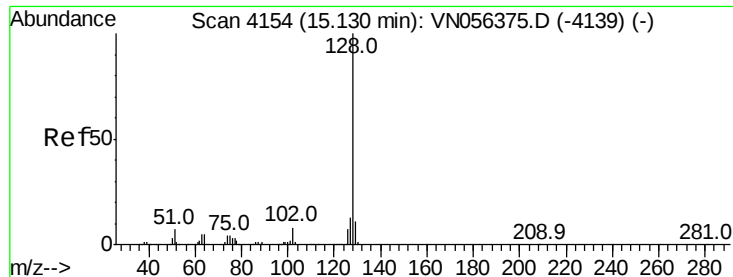
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.025 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

Instrument :

MSVOA\_N

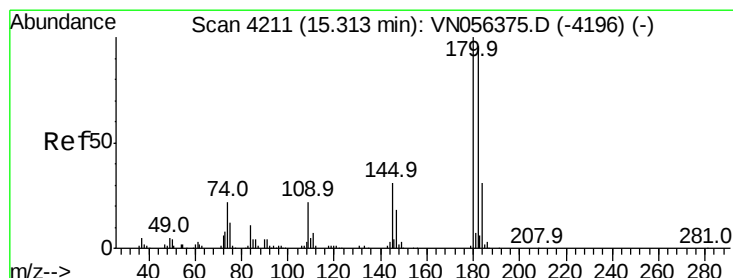
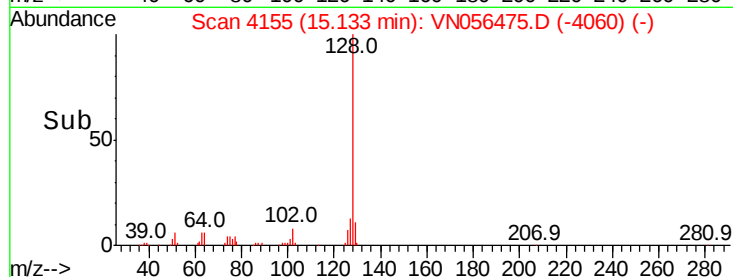
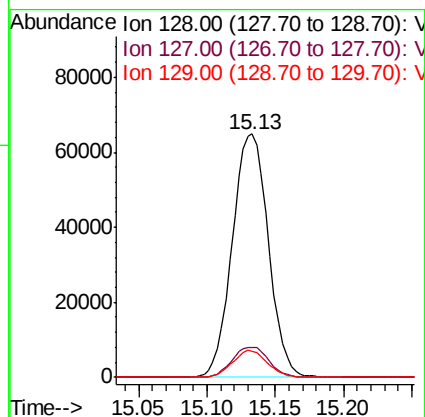
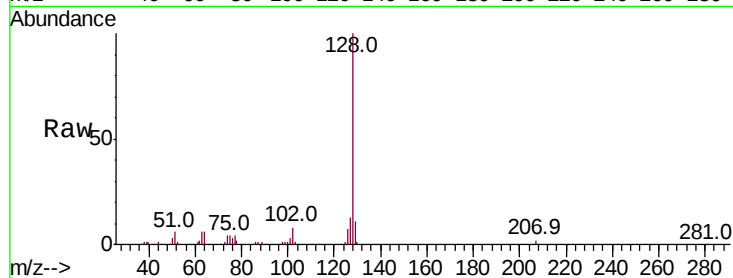
ClientSampleId :

VN0625WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 119071 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.7  | 10.2  | 15.2   |
| 129       | 10.6  | 8.6   | 12.8   |

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#96

1,2,3-Trichlorobenzene

Concen: 18.471 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056475.D

Acq: 25 Jun 2019 10:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 50805 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 92.2  | 48.3  | 144.8 |
| 145       | 29.3  | 15.4  | 46.1  |

