

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\  
 Data File : VN059650.D  
 Acq On : 18 Dec 2019 15:29  
 Operator : JC/SP  
 Sample : VN1218WBS02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1218WBS02

Manual Integrations  
 APPROVED

MMDadoda  
 12/19/2019 11:11:50 AM

Quant Time: Dec 19 05:36:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 13 23:17:39 2019  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene         | 7.64  | 168  | 208595   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.57  | 114  | 334608   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 11.40 | 117  | 305229   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.34 | 152  | 138861   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4     | 8.00  | 65   | 183904   | 60.59  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 121.18% |          |
| 35) Dibromofluoromethane      | 7.56  | 113  | 126910   | 60.62  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 121.24% |          |
| 50) Toluene-d8                | 10.08 | 98   | 505938   | 61.04  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 122.08% |          |
| 62) 4-Bromofluorobenzene      | 12.40 | 95   | 177429   | 58.66  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 117.32% |          |
| Target Compounds              |       |      |          |        |         |          |
|                               |       |      |          |        | Qvalue  |          |
| 2) Dichlorodifluoromethane    | 1.83  | 85   | 43755    | 16.233 | ug/l    | 100      |
| 3) Chloromethane              | 2.04  | 50   | 63429    | 14.829 | ug/l    | 97       |
| 4) Vinyl Chloride             | 2.17  | 62   | 72035    | 17.759 | ug/l    | 99       |
| 5) Bromomethane               | 2.55  | 94   | 43312    | 18.367 | ug/l    | 97       |
| 6) Chloroethane               | 2.69  | 64   | 41990    | 18.419 | ug/l    | 99       |
| 7) Trichlorofluoromethane     | 3.00  | 101  | 85077    | 19.116 | ug/l    | 99       |
| 8) Diethyl Ether              | 3.38  | 74   | 25713    | 18.491 | ug/l    | 100      |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73  | 101  | 39705    | 17.703 | ug/l    | 99       |
| 10) Methyl Iodide             | 3.92  | 142  | 51362    | 17.298 | ug/l    | 99       |
| 11) Tert butyl alcohol        | 4.74  | 59   | 45240    | 81.297 | ug/l    | 99       |
| 12) 1,1-Dichloroethene        | 3.71  | 96   | 37739    | 17.249 | ug/l    | 96       |
| 13) Acrolein                  | 3.58  | 56   | 26425    | 66.662 | ug/l    | 99       |
| 14) Allyl chloride            | 4.29  | 41   | 78683    | 17.518 | ug/l    | 99       |
| 15) Acrylonitrile             | 4.95  | 53   | 124633   | 92.591 | ug/l    | 99       |
| 16) Acetone                   | 3.79  | 43   | 143319   | 79.528 | ug/l    | 99       |
| 17) Carbon Disulfide          | 4.03  | 76   | 120921   | 16.684 | ug/l    | 99       |
| 18) Methyl Acetate            | 4.29  | 43   | 66191    | 17.528 | ug/l    | 97       |
| 19) Methyl tert-butyl Ether   | 5.01  | 73   | 138107   | 17.878 | ug/l    | 99       |
| 20) Methylene Chloride        | 4.52  | 84   | 47338    | 18.188 | ug/l    | 95       |
| 21) trans-1,2-Dichloroethene  | 5.00  | 96   | 42190    | 17.298 | ug/l    | 96       |
| 22) Diisopropyl ether         | 5.92  | 45   | 153347   | 18.519 | ug/l    | 95       |
| 23) Vinyl Acetate             | 5.86  | 43   | 646799   | 99.536 | ug/l    | 99       |
| 24) 1,1-Dichloroethane        | 5.81  | 63   | 86543    | 18.451 | ug/l    | 99       |
| 25) 2-Butanone                | 6.80  | 43   | 183980   | 85.374 | ug/l    | 100      |
| 26) 2,2-Dichloropropane       | 6.80  | 77   | 77645    | 18.214 | ug/l    | 100      |
| 27) cis-1,2-Dichloroethene    | 6.80  | 96   | 48809    | 18.059 | ug/l    | 98       |
| 28) Bromochloromethane        | 7.17  | 49   | 42655    | 21.908 | ug/l    | 99       |
| 29) Tetrahydrofuran           | 7.18  | 42   | 117458   | 89.458 | ug/l    | 99       |
| 30) Chloroform                | 7.35  | 83   | 85230    | 18.460 | ug/l    | 100      |
| 31) Cyclohexane               | 7.63  | 56   | 77869    | 17.570 | ug/l    | 96       |
| 32) 1,1,1-Trichloroethane     | 7.54  | 97   | 73518    | 17.662 | ug/l    | 98       |
| 36) 1,1-Dichloropropene       | 7.77  | 75   | 63605    | 18.228 | ug/l    | 99       |
| 37) Ethyl Acetate             | 6.90  | 43   | 73410    | 18.100 | ug/l    | 99       |
| 38) Carbon Tetrachloride      | 7.75  | 117  | 64795    | 17.895 | ug/l    | 98       |

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

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN1218WBS02

Manual Integrations  
 APPROVED

MMDadoda  
 12/19/2019 11:11:50 AM

Quant Time: Dec 19 05:36:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 13 23:17:39 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.06  | 83   | 70009    | 17.688  | ug/l   | 96       |
| 40) Benzene                    | 8.02  | 78   | 190465   | 18.677  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.15  | 41   | 29674m   | 17.729  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 74400    | 19.051  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.14  | 43   | 113275   | 17.964  | ug/l   | 100      |
| 44) Trichloroethene            | 8.81  | 130  | 48024    | 17.979  | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 51674    | 18.765  | ug/l   | 97       |
| 46) Dibromomethane             | 9.19  | 93   | 33071    | 18.331  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.39  | 83   | 66044    | 18.361  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.18  | 41   | 49891    | 17.440  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 13629    | 332.439 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 354005   | 94.163  | ug/l   | 98       |
| 52) Toluene                    | 10.14 | 92   | 113722   | 18.150  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 74509    | 17.911  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 80725    | 18.461  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 45325    | 18.434  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 63086    | 17.284  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 79431    | 18.554  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 179953   | 155.017 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.74 | 43   | 261003   | 88.088  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.89 | 129  | 48625    | 18.120  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 10.99 | 107  | 45732    | 17.538  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.62 | 164  | 46393    | 16.305  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.42 | 112  | 118987   | 18.016  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 45247    | 18.037  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.50 | 91   | 211648   | 17.754  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 155404   | 35.302  | ug/l   | 100      |
| 69) o-Xylene                   | 11.94 | 106  | 73719    | 17.600  | ug/l   | 98       |
| 70) Styrene                    | 11.96 | 104  | 114572   | 17.024  | ug/l   | 98       |
| 71) Bromoform                  | 12.12 | 173  | 33528    | 17.780  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.24 | 105  | 201164   | 18.454  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.06 | 43   | 86027    | 17.205  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 65116    | 18.832  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 65421m   | 19.031  | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 48728    | 18.177  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 234485   | 18.198  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 140137   | 17.986  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 167700   | 18.180  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.29 | 75   | 24419    | 17.545  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 144490   | 18.112  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 137006   | 17.538  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 167373   | 18.247  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 189032   | 18.191  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 167831   | 17.832  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 85456    | 17.336  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 84803    | 17.063  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 150221   | 17.024  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 32371    | 18.196  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 86024    | 17.695  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 15220    | 16.845  | ug/l   | 94       |

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Sample : VN1218WBS02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBS02

Manual Integrations  
APPROVED

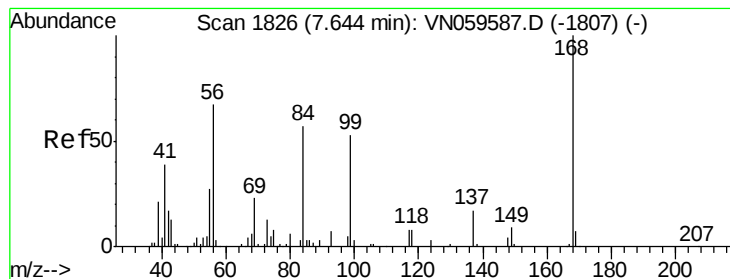
MMDadoda  
12/19/2019 11:11:50 AM

Quant Time: Dec 19 05:36:28 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121319W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 13 23:17:39 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.90 | 180  | 48849    | 15.561 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.00 | 225  | 29050    | 18.110 | ug/l  | 97       |
| 95) Naphthalene            | 15.12 | 128  | 139666   | 14.903 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.29 | 180  | 49325    | 15.535 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBS02

Tot Ion:168 Resp: 208595

Ion Ratio Lower Upper

168 100

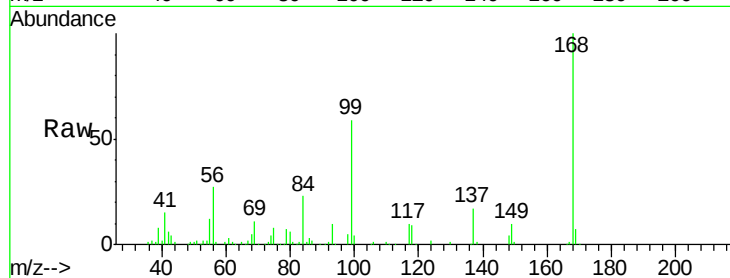
99 59.3 48.2 72.4

Manual Integrations

APPROVED

MMDadoda

12/19/2019 11:11:50 AM



Abundance Ion 167.90 (167.60 to 168.60): VN059587.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059587.D (-1807) (-)

7.64

80000

60000

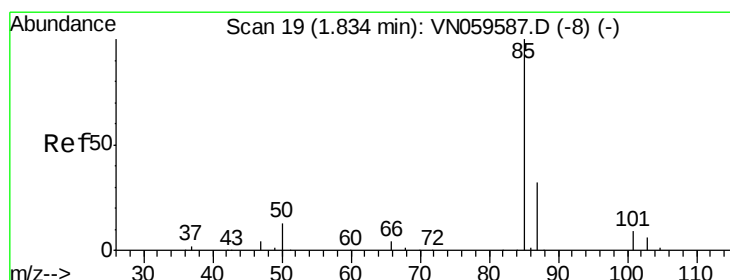
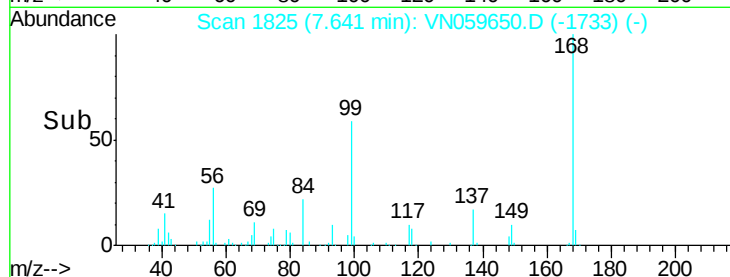
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.233 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059650.D

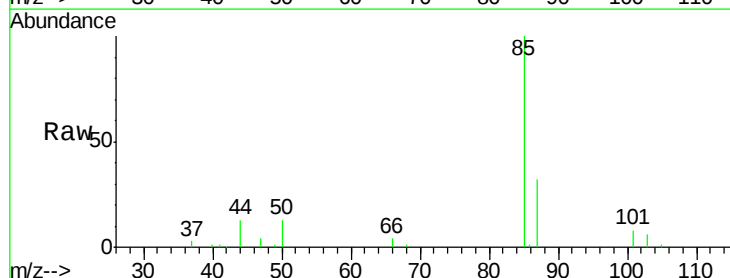
Acq: 18 Dec 2019 15:29

Tgt Ion: 85 Resp: 43755

Ion Ratio Lower Upper

85 100

87 31.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN059587.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN059587.D (-8) (-)

1.83

40000

30000

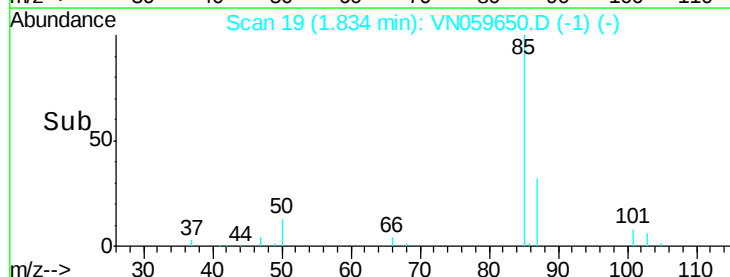
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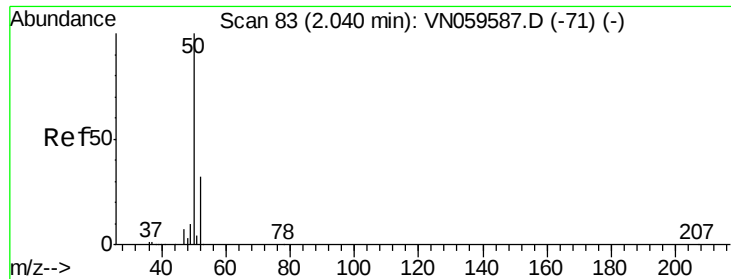
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 14.829 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBS02

Tot Ion: 50 Resp: 63429

Ion Ratio Lower Upper

50 100

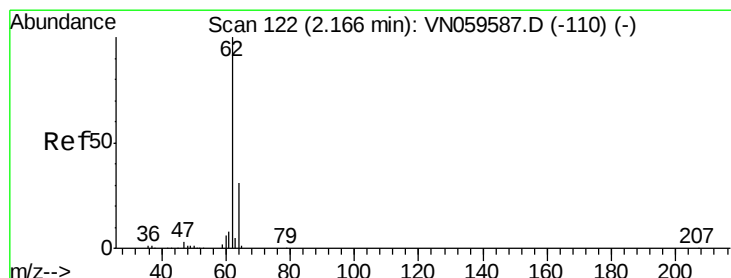
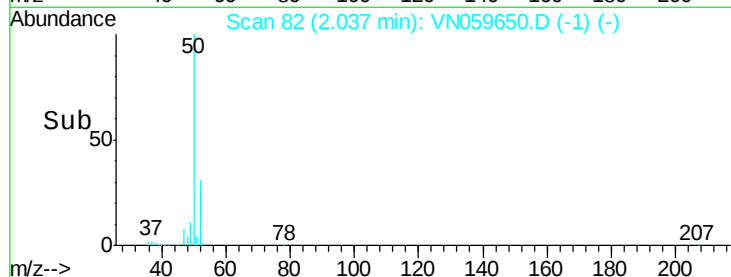
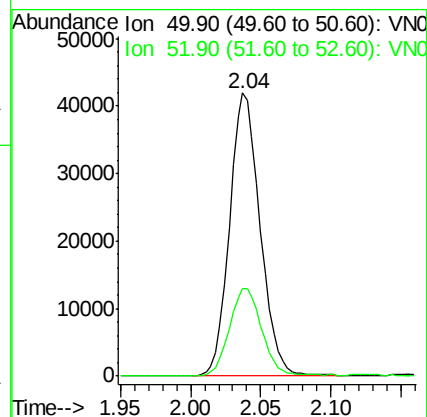
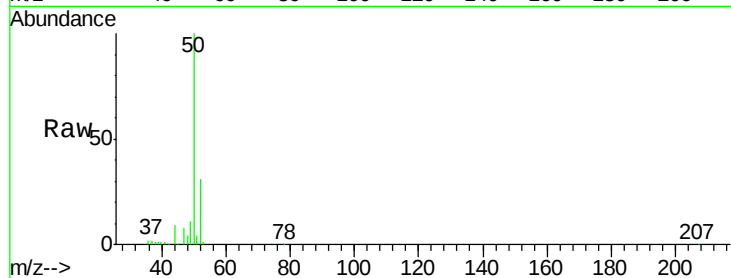
52 30.8 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

12/19/2019 11:11:50 AM



#4

Vinyl Chloride

Concen: 17.759 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059650.D

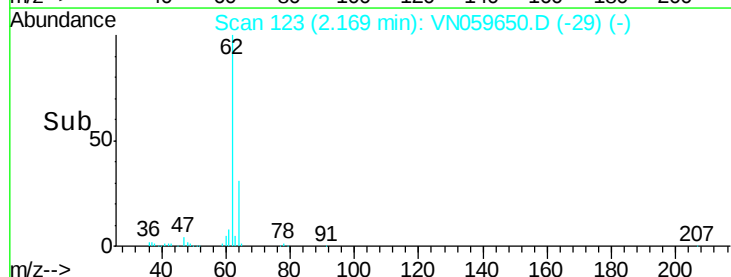
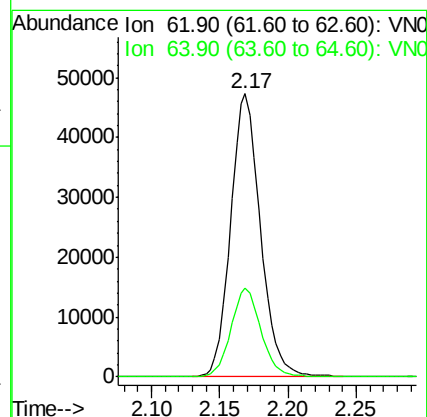
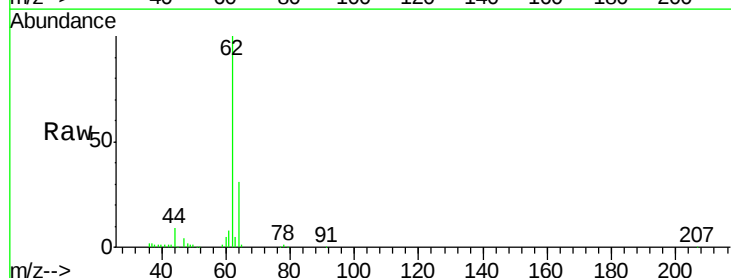
Acq: 18 Dec 2019 15:29

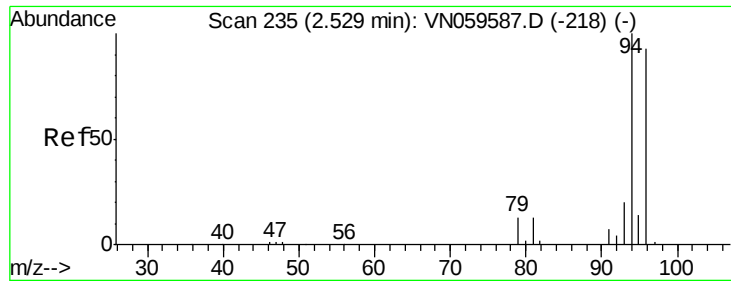
Tgt Ion: 62 Resp: 72035

Ion Ratio Lower Upper

62 100

64 31.5 24.6 37.0





#5

Bromomethane

Concen: 18.367 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBS02

Tot Ion: 94 Resp: 43312

Ion Ratio Lower Upper

94 100

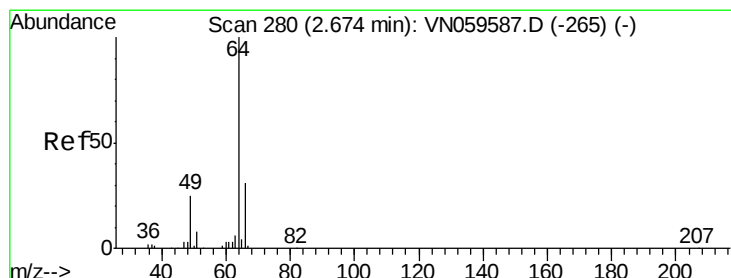
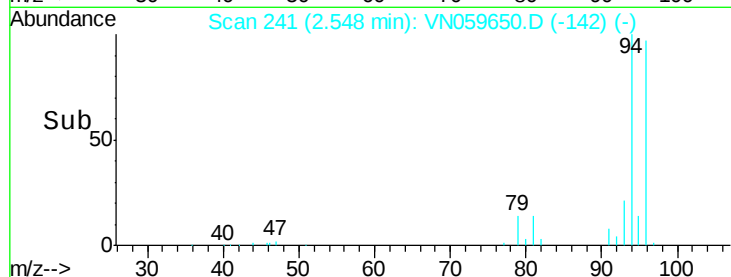
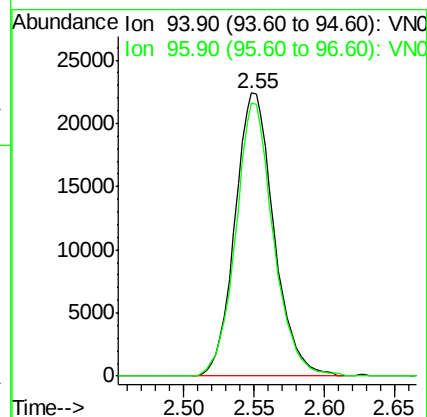
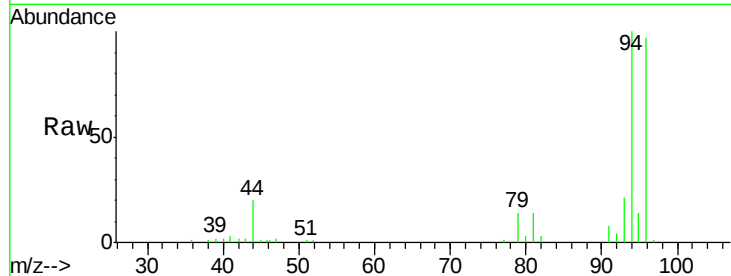
96 96.6 74.7 112.1

Manual Integrations

APPROVED

MMDadoda

12/19/2019 11:11:50 AM



#6

Chloroethane

Concen: 18.419 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059650.D

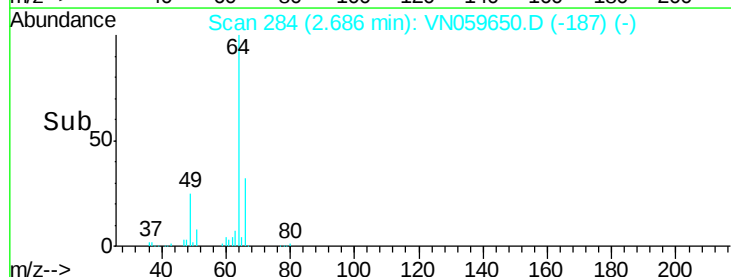
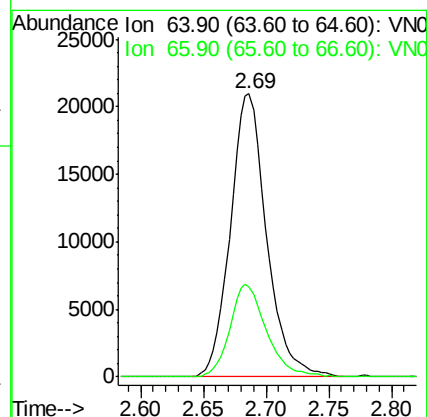
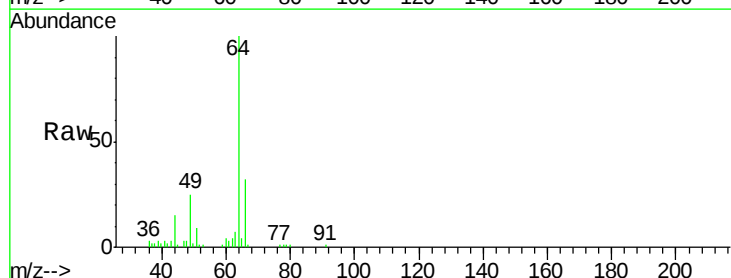
Acq: 18 Dec 2019 15:29

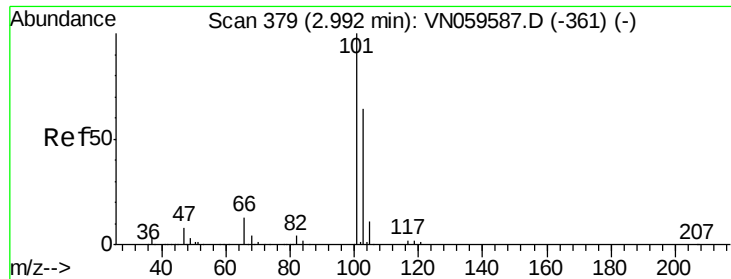
Tgt Ion: 64 Resp: 41990

Ion Ratio Lower Upper

64 100

66 31.9 25.1 37.7





#7

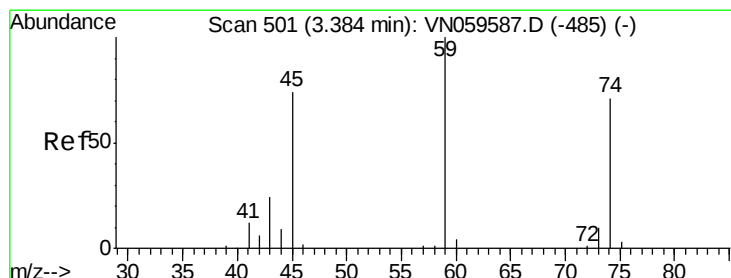
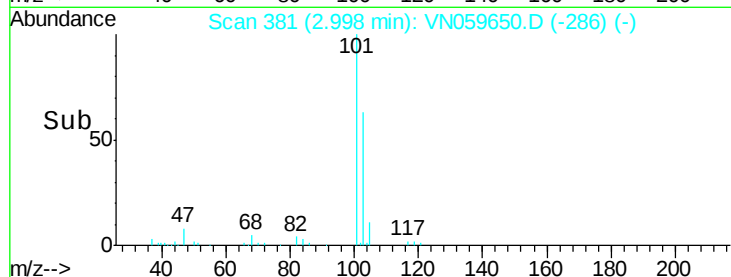
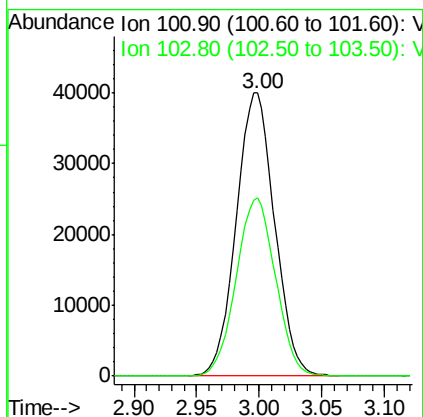
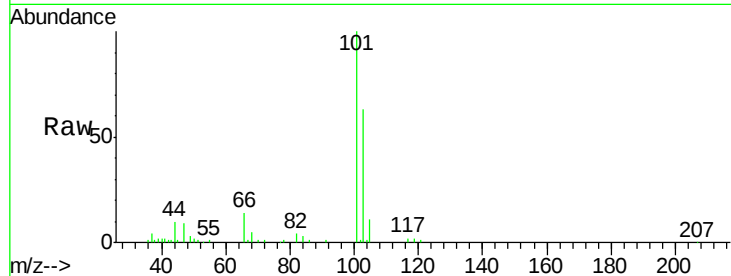
Trichlorofluoromethane  
 Concen: 19.116 ug/l  
 RT: 3.00 min Scan# 381  
 Delta R.T. 0.01 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1218WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.0  | 51.0  | 76.6  |

Manual Integrations  
 APPROVED

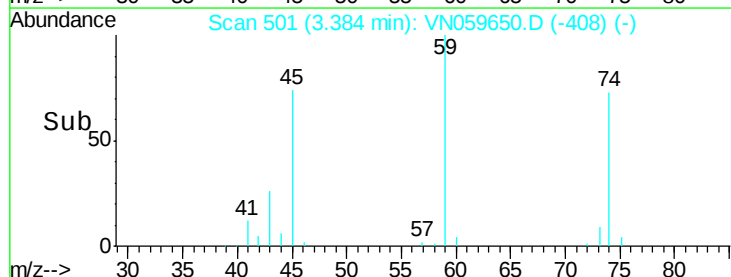
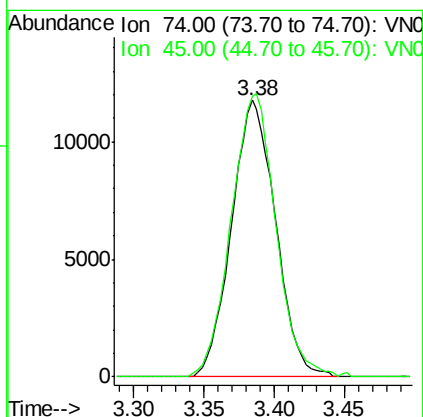
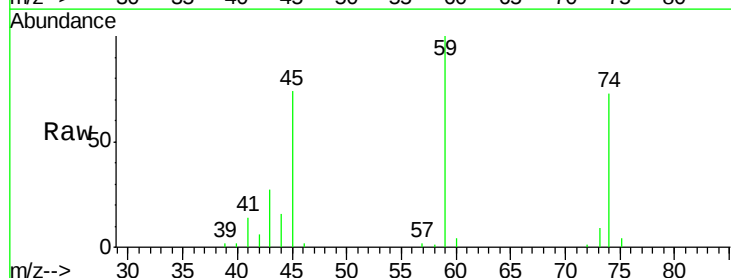
MMDadoda  
 12/19/2019 11:11:50 AM

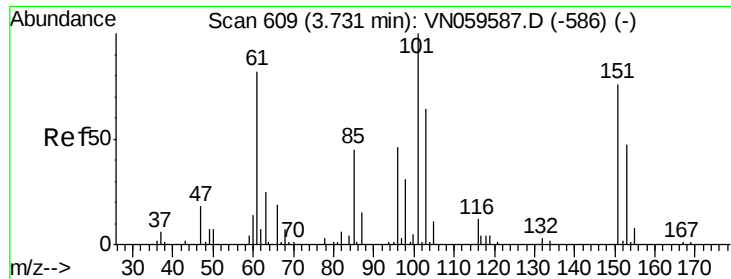


#8

Diethyl Ether  
 Concen: 18.491 ug/l  
 RT: 3.38 min Scan# 501  
 Delta R.T. -0.00 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 103.8 | 51.9  | 155.8 |





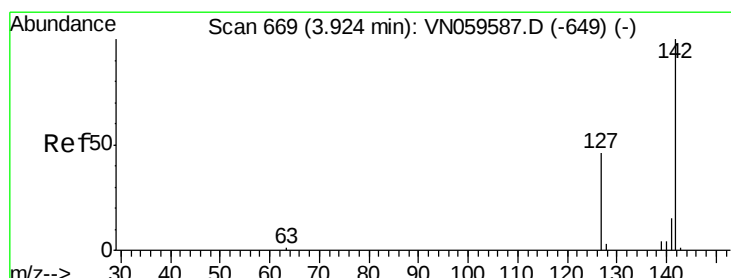
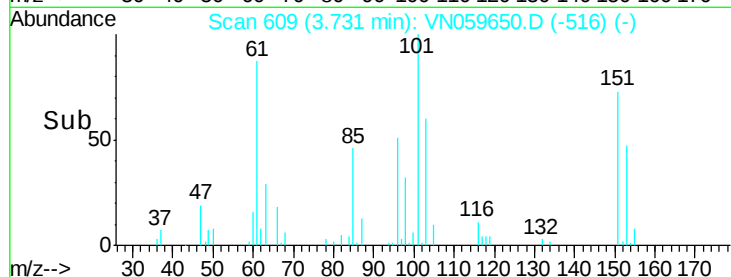
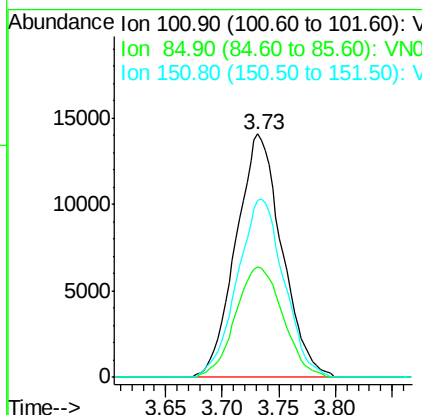
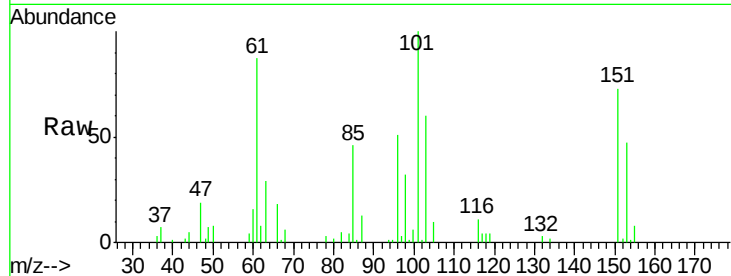
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 17.703 ug/l  
RT: 3.73 min Scan# 609  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 85      | 46.9  | 36.6  | 54.8  |
| 151     | 74.5  | 59.7  | 89.5  |

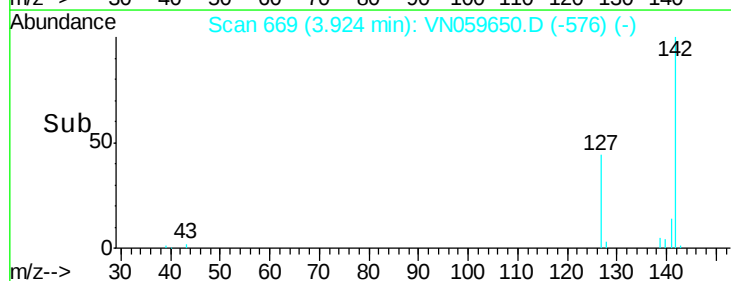
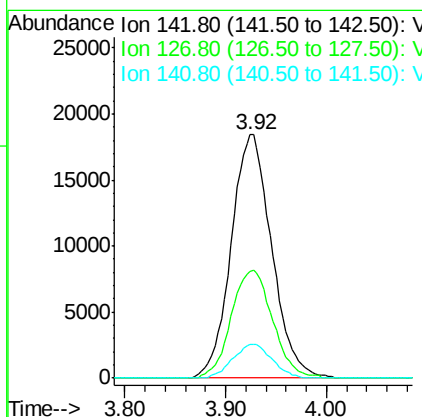
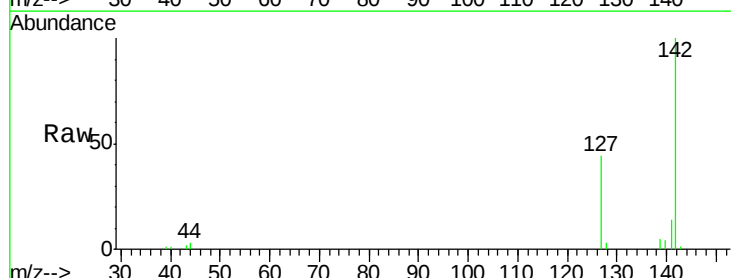
Manual Integrations  
APPROVED

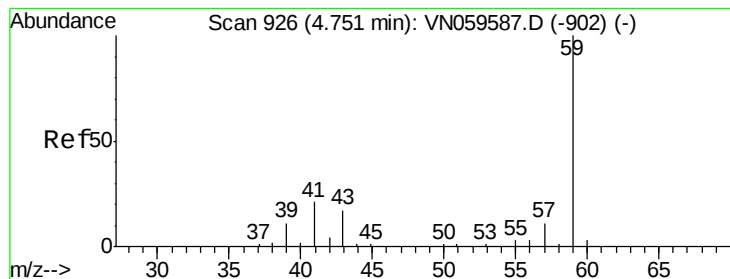
MMDadoda  
12/19/2019 11:11:50 AM



#10  
Methyl Iodide  
Concen: 17.298 ug/l  
RT: 3.92 min Scan# 669  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 45.2  | 36.7  | 55.1  |
| 141     | 13.4  | 11.7  | 17.5  |





#11

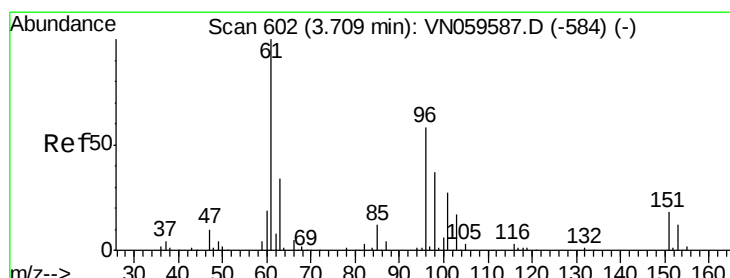
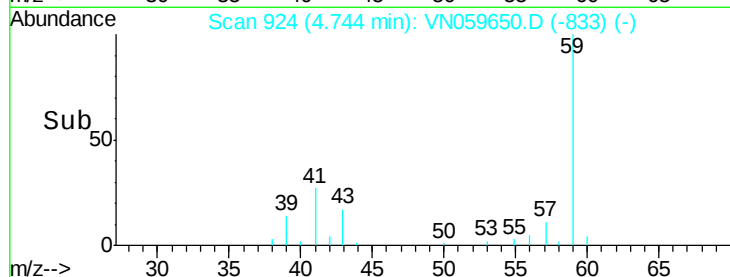
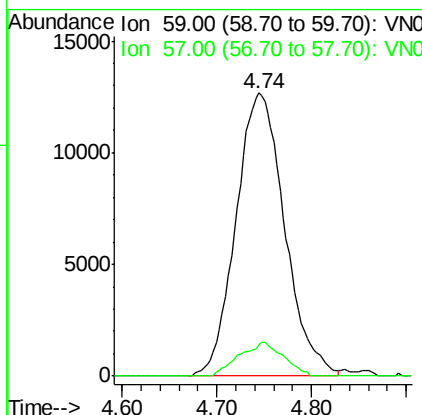
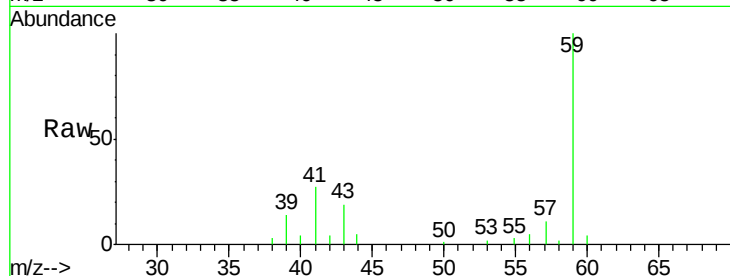
Tert butyl alcohol  
 Concen: 81.297 ug/l  
 RT: 4.74 min Scan# 924  
 Delta R.T. -0.01 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1218WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 11.0  | 8.6   | 12.8  |

Manual Integrations  
 APPROVED

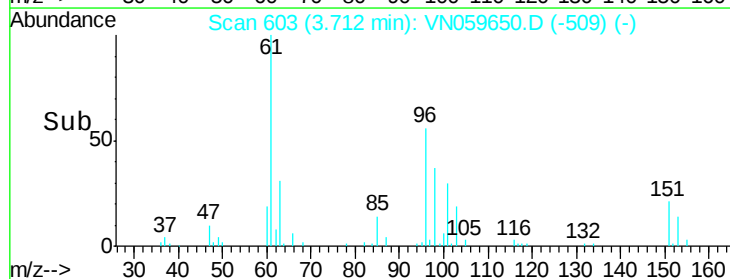
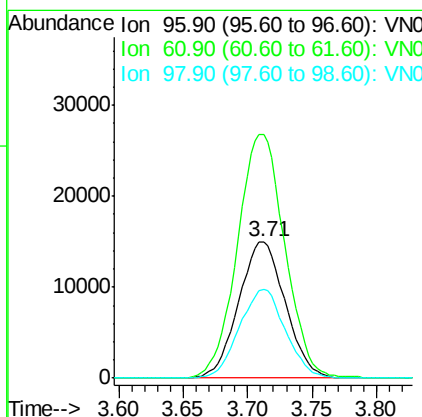
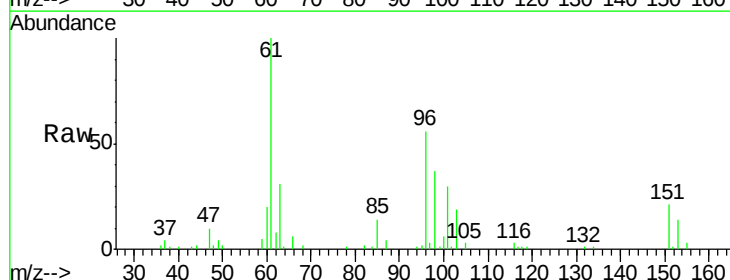
MMDadoda  
 12/19/2019 11:11:50 AM

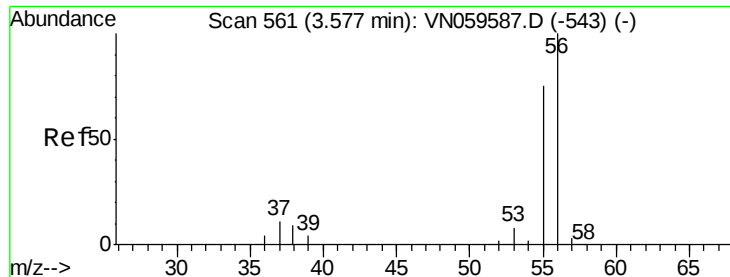


#12

1,1-Dichloroethene  
 Concen: 17.249 ug/l  
 RT: 3.71 min Scan# 603  
 Delta R.T. 0.00 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 178.4 | 137.5 | 206.3 |
| 98      | 65.4  | 50.2  | 75.4  |





#13

Acrolein

Concen: 66.662 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBS02

Tot Ion: 56 Resp: 26425

Ion Ratio Lower Upper

56 100

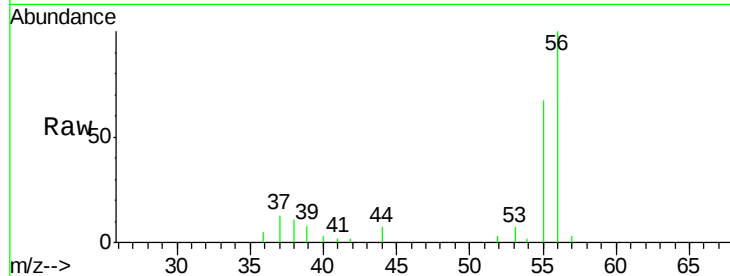
55 72.3 58.6 88.0

Manual Integrations

APPROVED

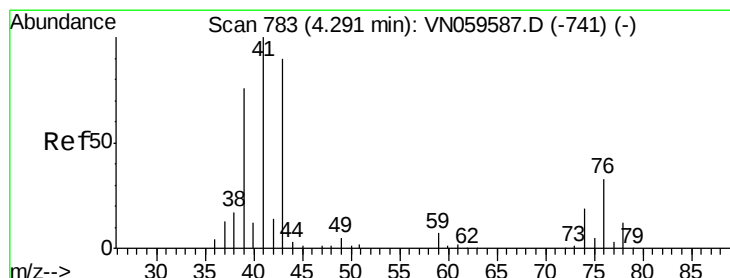
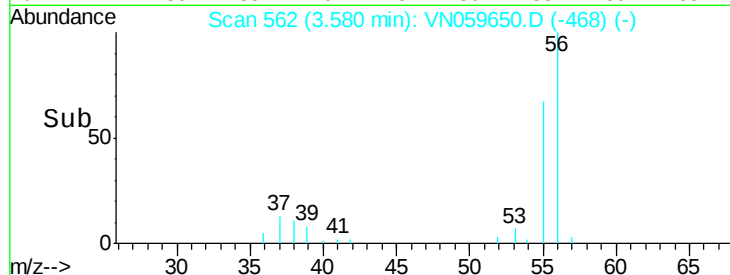
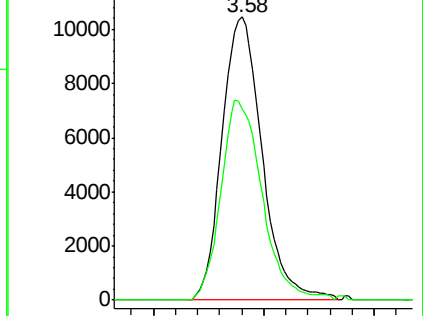
MMDadoda

12/19/2019 11:11:50 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.518 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

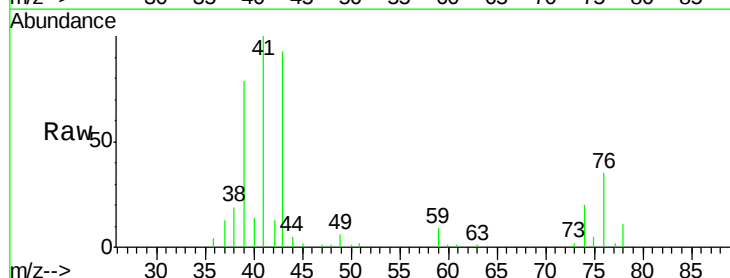
Tgt Ion: 41 Resp: 78683

Ion Ratio Lower Upper

41 100

39 71.5 57.8 86.8

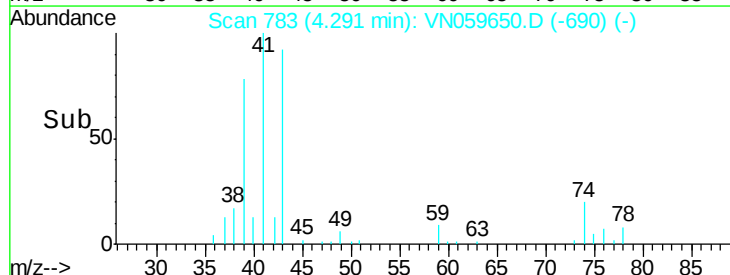
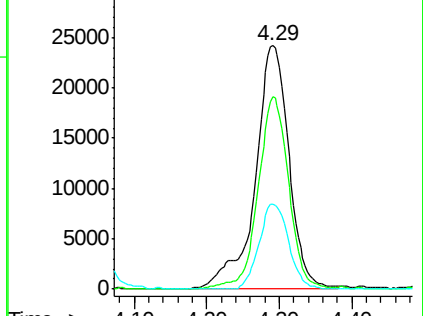
76 30.4 25.4 38.0

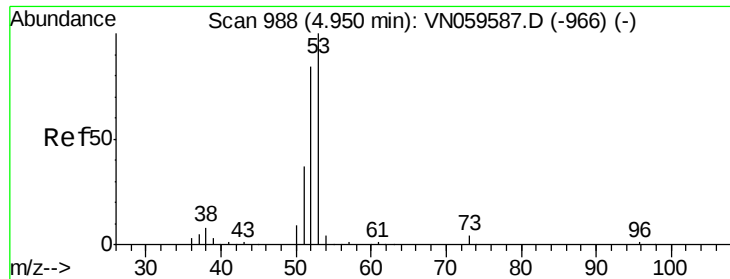


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 92.591 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA\_N

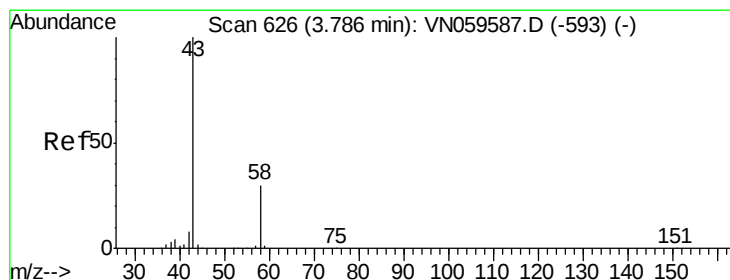
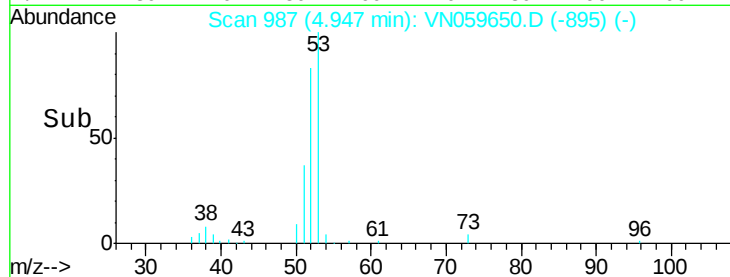
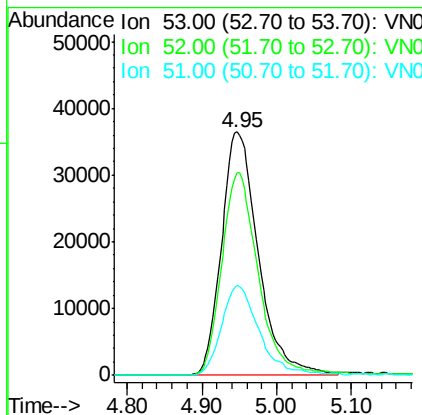
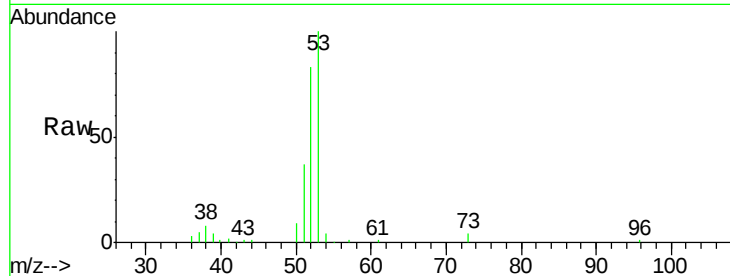
ClientSampleId :

VN1218WBS02

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 124633 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.5  | 66.3  | 99.5   |
| 51       | 37.7  | 29.7  | 44.5   |

Manual Integrations  
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MMDadoda  
12/19/2019 11:11:50 AM



#16

Acetone

Concen: 79.528 ug/l

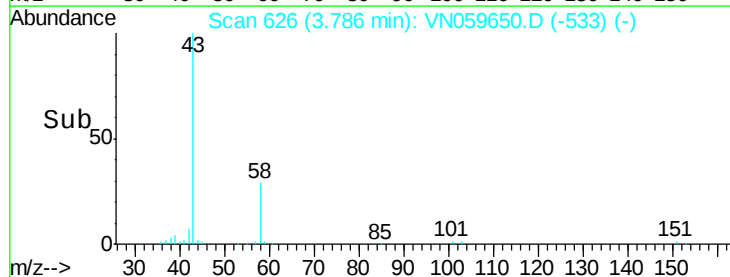
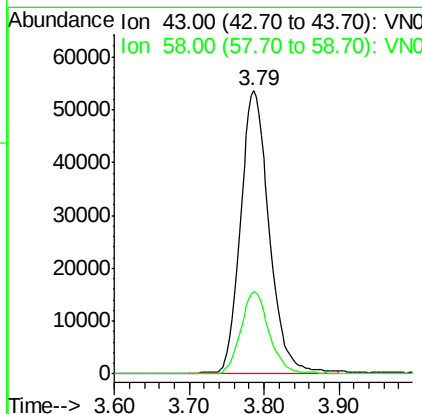
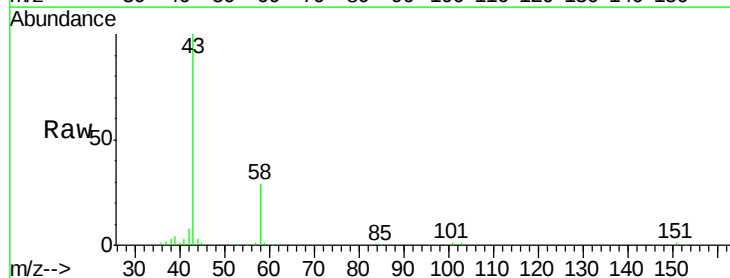
RT: 3.79 min Scan# 626

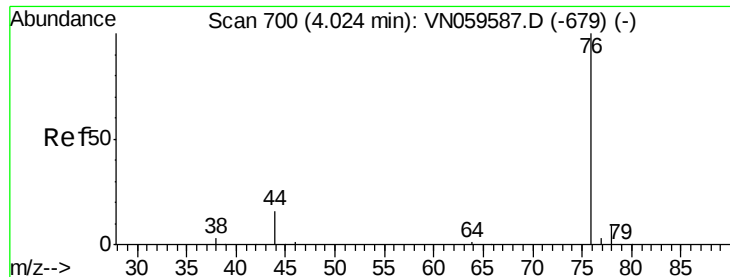
Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 143319 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 29.0  | 23.6  | 35.4   |





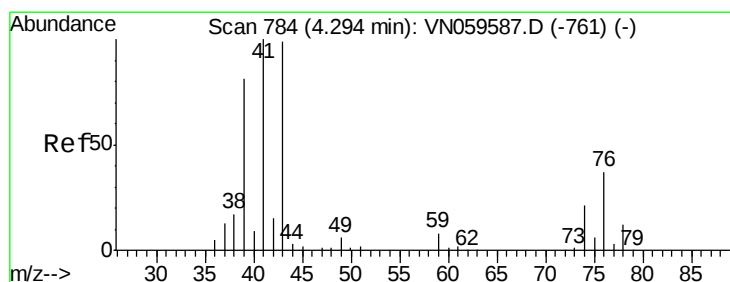
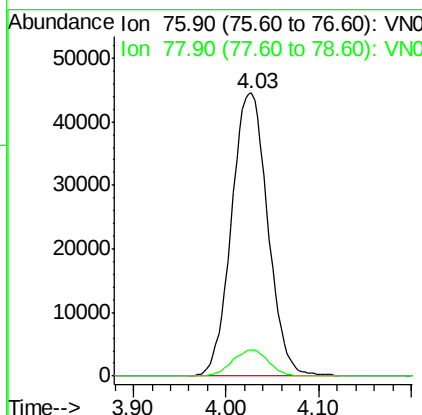
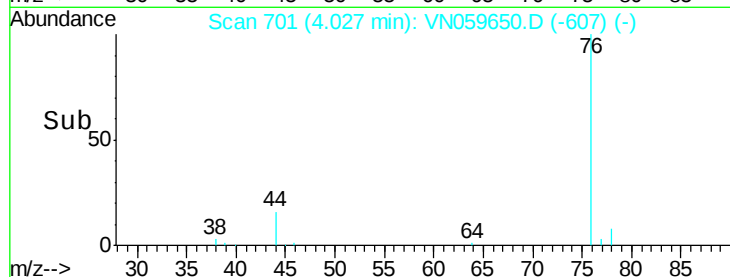
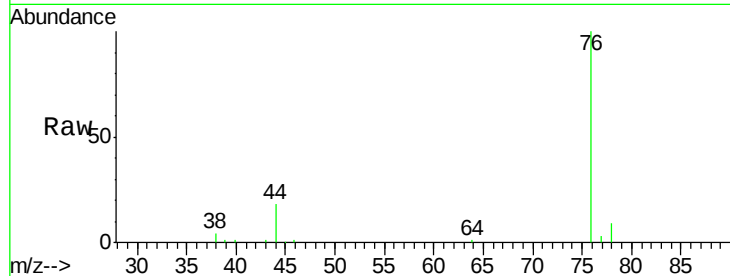
#17  
Carbon Disulfide  
Concen: 16.684 ug/l  
RT: 4.03 min Scan# 701  
Delta R.T. 0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBS02

Tot Ion: 76 Resp: 120921  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.4 11.0

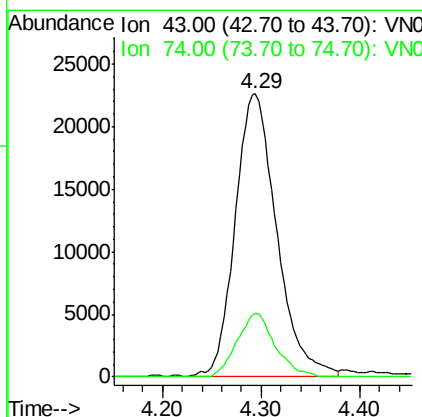
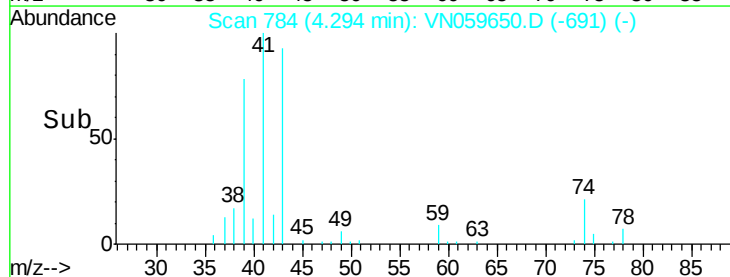
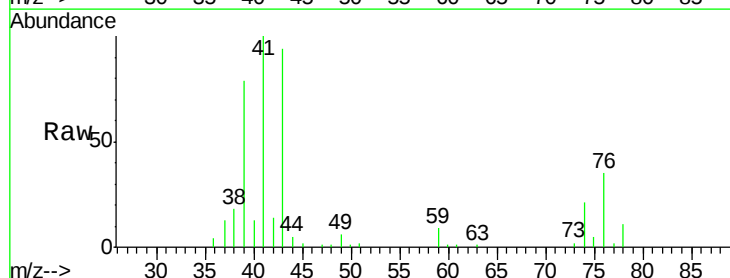
Manual Integrations  
APPROVED

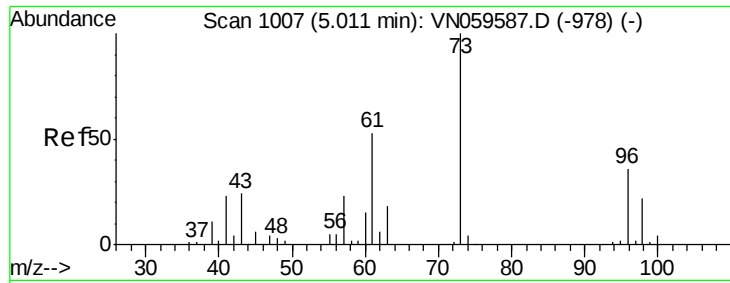
MMDadoda  
12/19/2019 11:11:50 AM



#18  
Methyl Acetate  
Concen: 17.528 ug/l  
RT: 4.29 min Scan# 784  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Tgt Ion: 43 Resp: 66191  
Ion Ratio Lower Upper  
43 100  
74 20.6 17.5 26.3





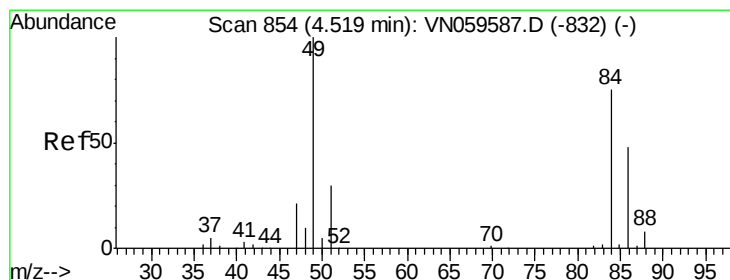
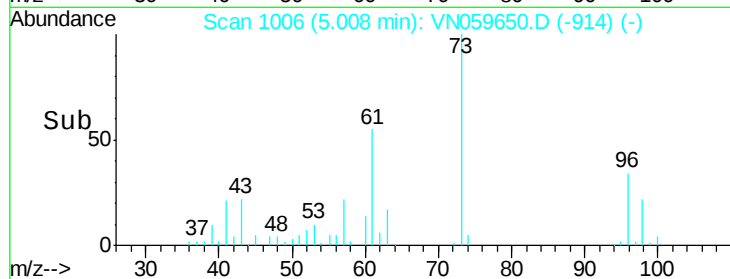
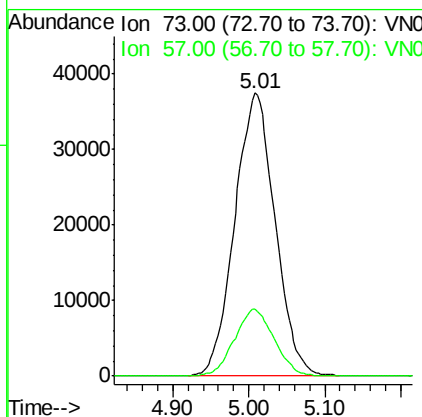
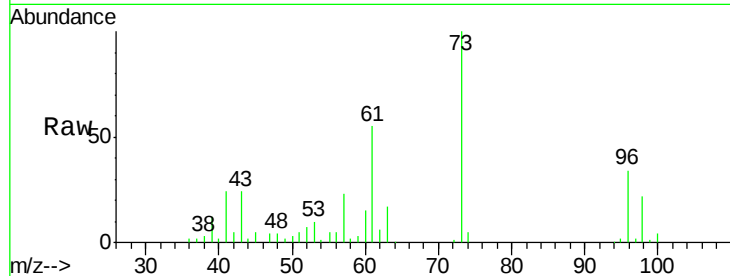
#19  
Methvl tert-butvl Ether  
Concen: 17.878 ug/l  
RT: 5.01 min Scan# 1006  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBS02

Tot Ion: 73 Resp: 138107  
Ion Ratio Lower Upper  
73 100  
57 23.5 18.6 27.8

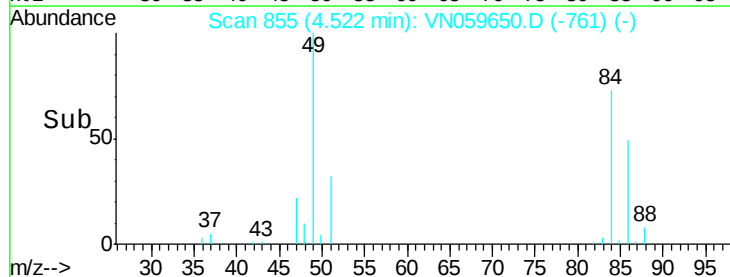
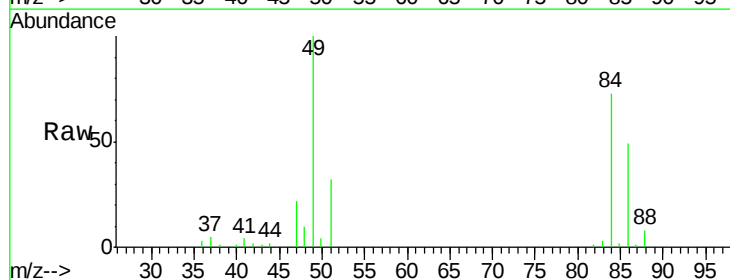
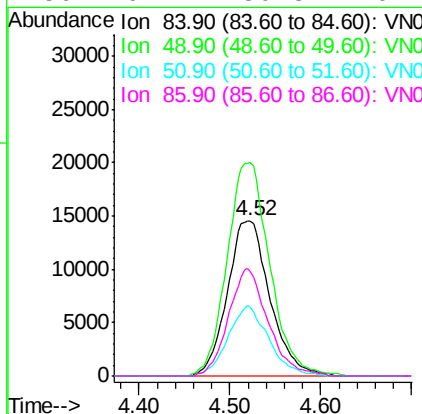
Manual Integrations  
APPROVED

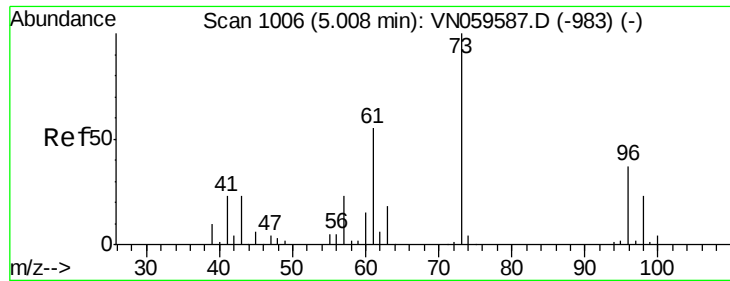
MMDadoda  
12/19/2019 11:11:50 AM



#20  
Methylene Chloride  
Concen: 18.188 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. 0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Tgt Ion: 84 Resp: 47338  
Ion Ratio Lower Upper  
84 100  
49 137.8 106.6 160.0  
51 44.4 31.9 47.9  
86 67.7 50.8 76.2





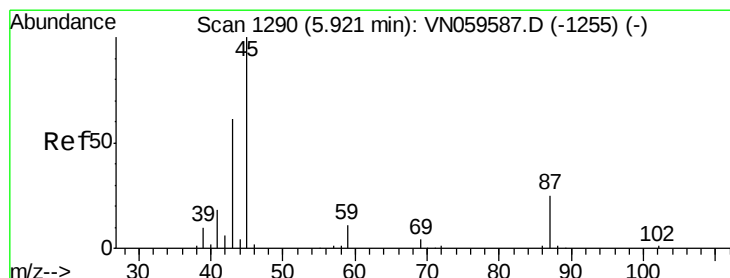
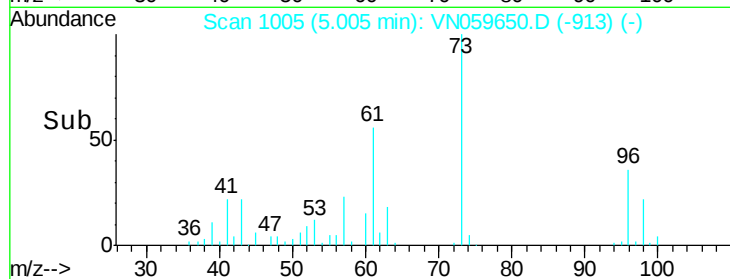
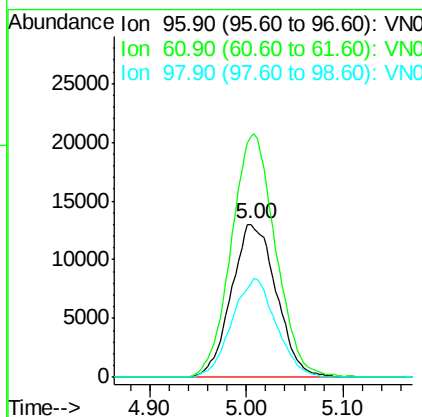
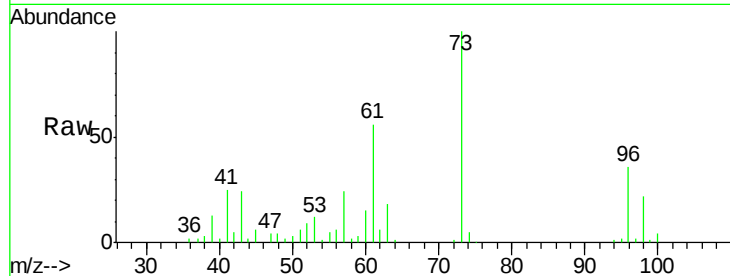
#21  
trans-1,2-Dichloroethene  
Concen: 17.298 ug/l  
RT: 5.00 min Scan# 1005  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 157.3 | 120.4 | 180.6 |
| 98      | 61.8  | 50.6  | 75.8  |

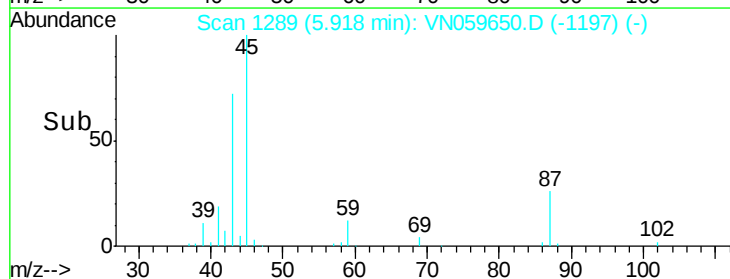
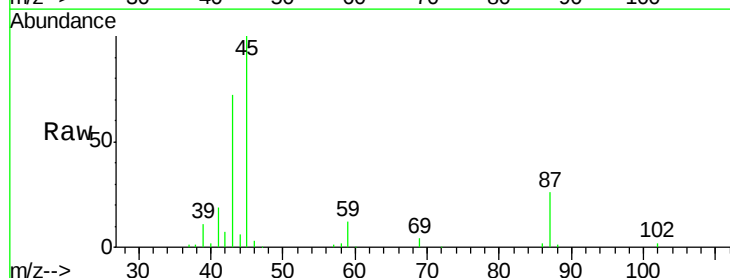
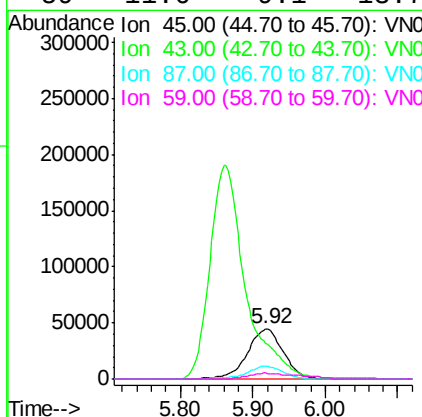
Manual Integrations  
APPROVED

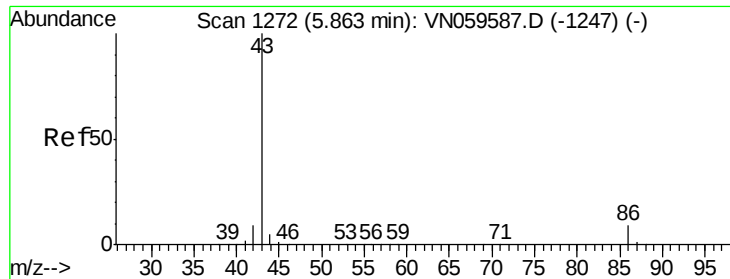
MMDadoda  
12/19/2019 11:11:50 AM



#22  
Diisopropyl ether  
Concen: 18.519 ug/l  
RT: 5.92 min Scan# 1289  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 69.3  | 50.8  | 76.2  |
| 87      | 25.9  | 21.0  | 31.6  |
| 59      | 11.6  | 9.1   | 13.7  |





#23

Vinyl Acetate

Concen: 99.536 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBS02

Tot Ion: 43 Resp: 646799

Ion Ratio Lower Upper

43 100

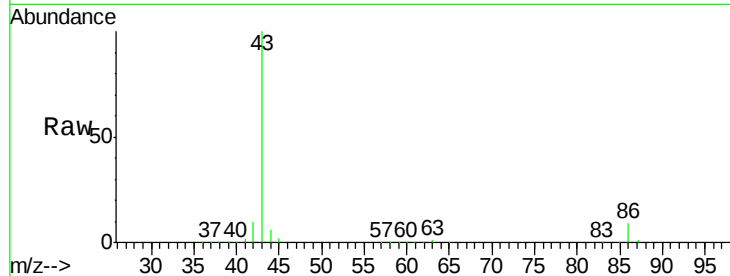
86 9.2 7.6 11.4

Manual Integrations

APPROVED

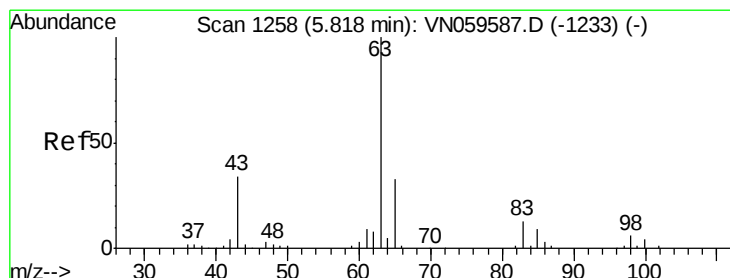
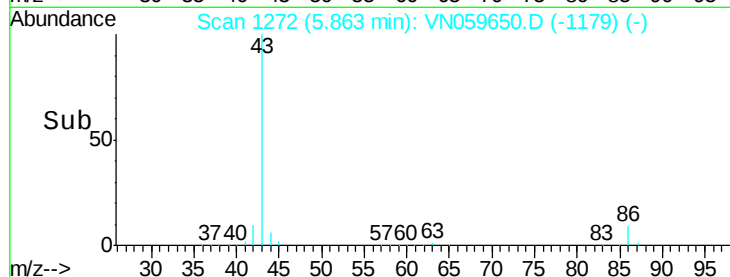
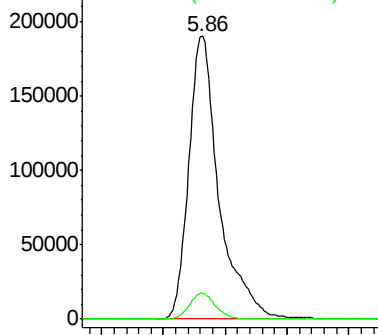
MMDadoda

12/19/2019 11:11:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.451 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

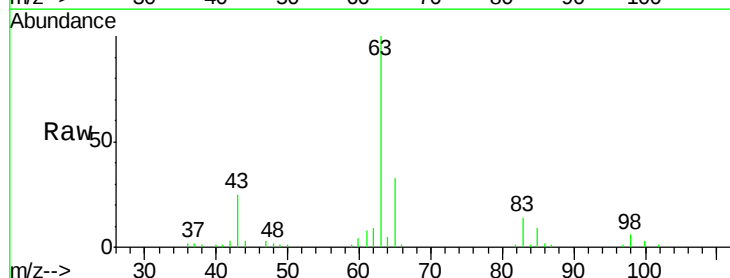
Tgt Ion: 63 Resp: 86543

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.7

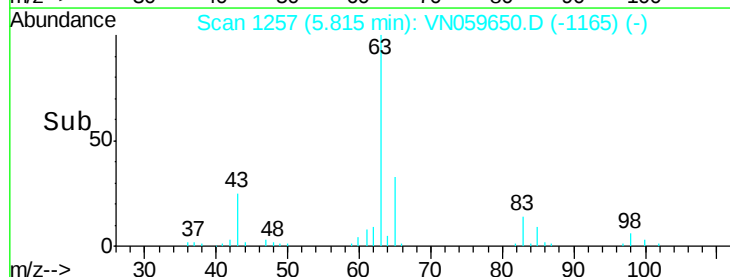
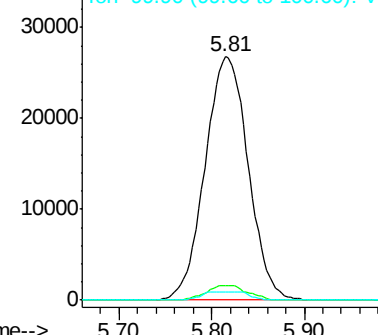
100 3.4 2.0 6.0

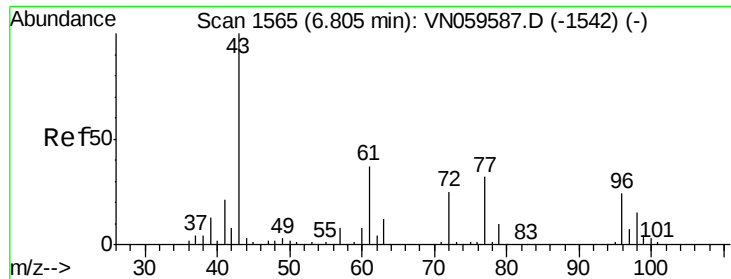


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 85.374 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Tot Ion: 43 Resp: 183980

Ion Ratio Lower Upper

43 100

72 25.0 19.9 29.9

Instrument :

MSVOA\_N

ClientSampleId :

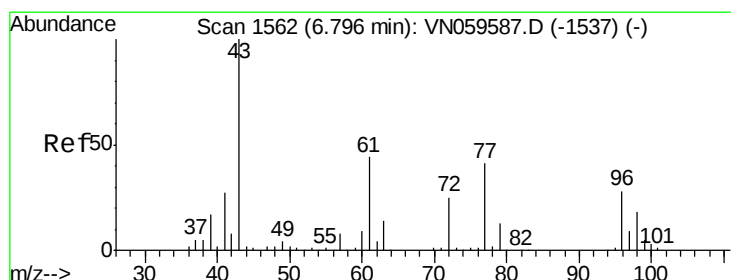
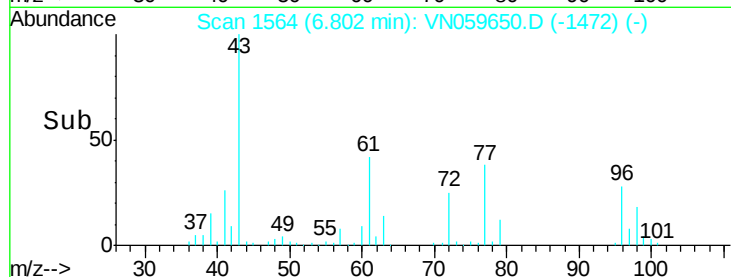
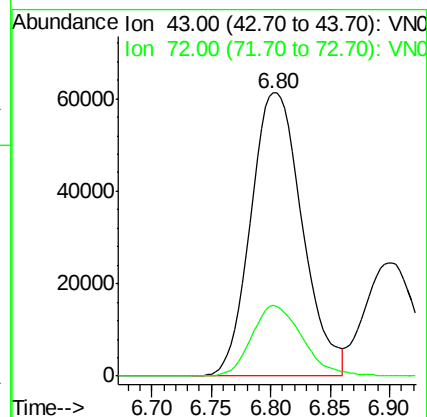
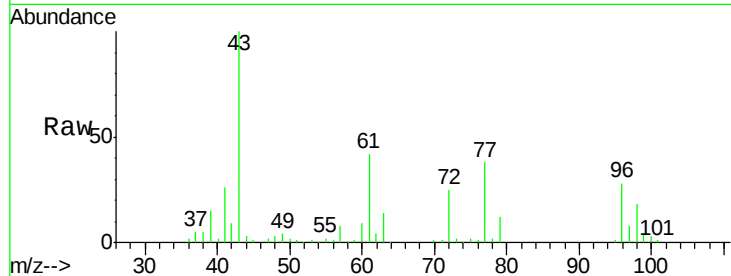
VN1218WBS02

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.214 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059650.D

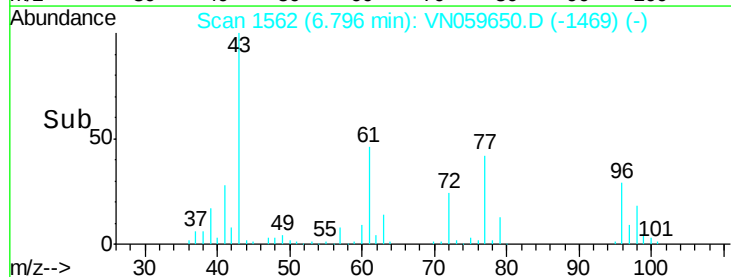
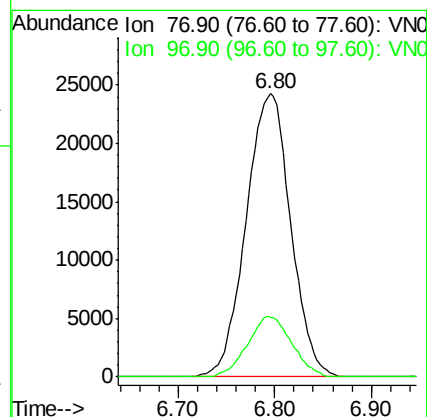
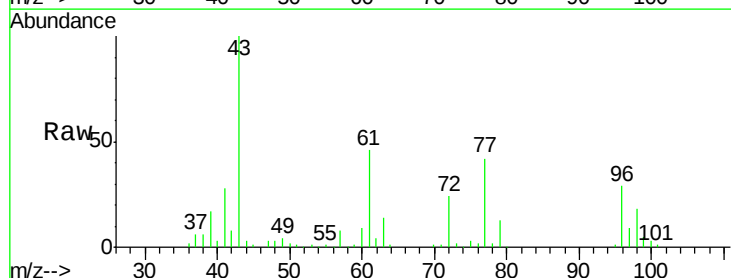
Acq: 18 Dec 2019 15:29

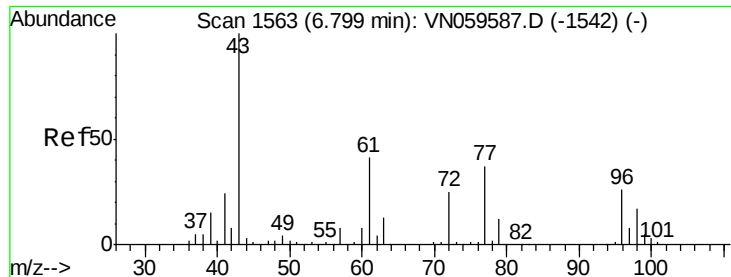
Tgt Ion: 77 Resp: 77645

Ion Ratio Lower Upper

77 100

97 21.1 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 18.059 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA\_N

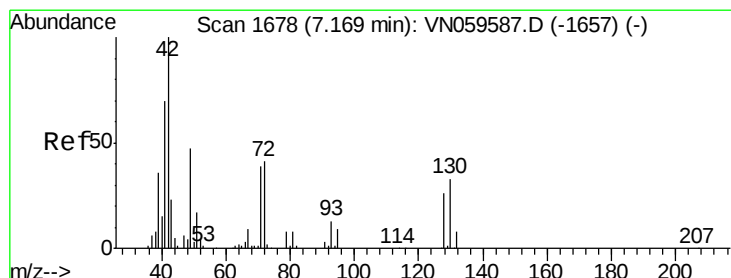
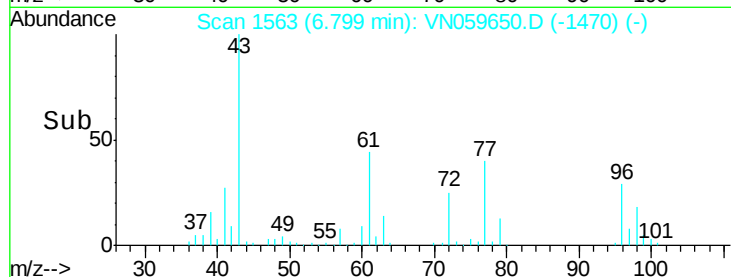
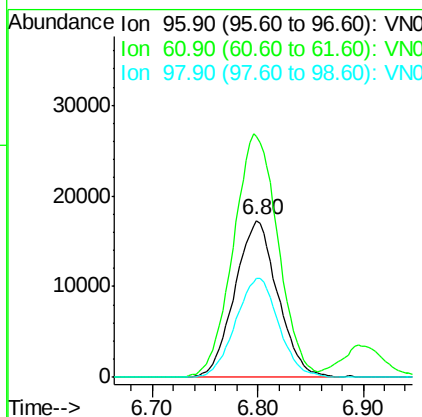
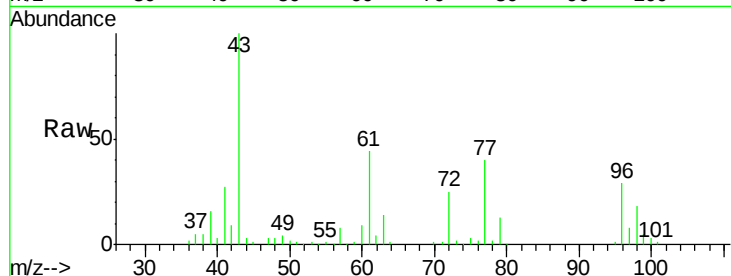
ClientSampleId :

VN1218WBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 48809 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 161.9 | 0.0   | 317.6 |
| 98       | 63.6  | 0.0   | 127.0 |

Manual Integrations  
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12/19/2019 11:11:50 AM



#28

Bromochloromethane

Concen: 21.908 ug/l

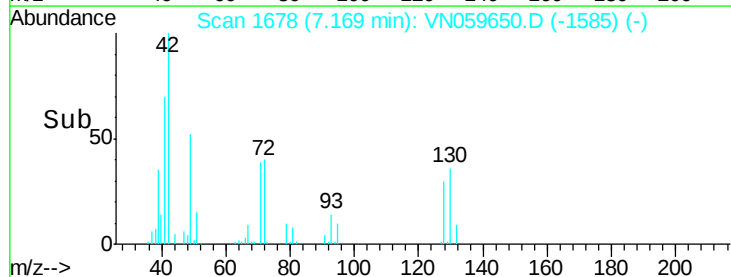
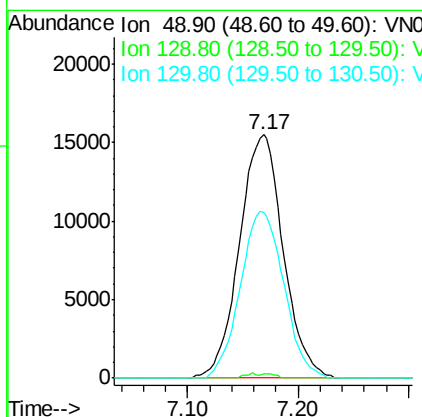
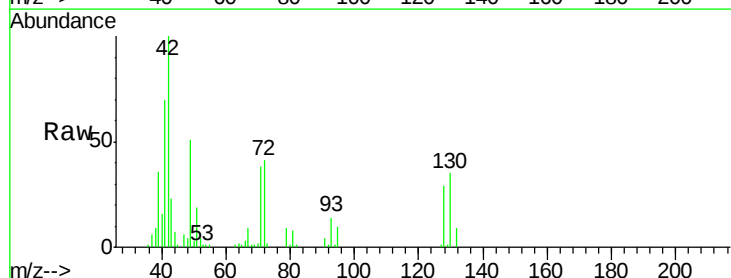
RT: 7.17 min Scan# 1678

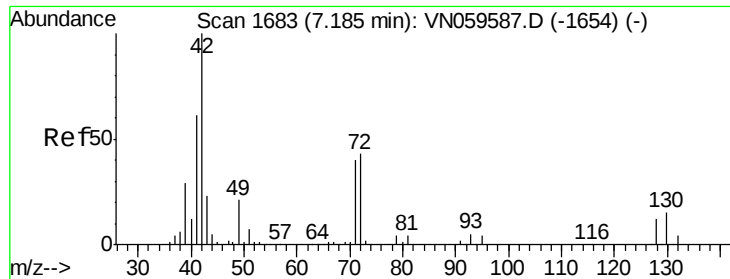
Delta R.T. 0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 42655 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 0.5   | 0.0   | 3.4   |
| 130      | 67.9  | 54.7  | 82.1  |





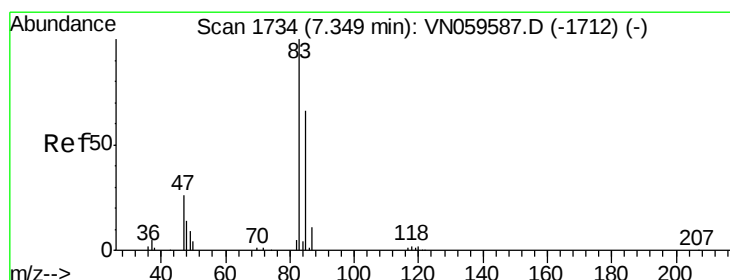
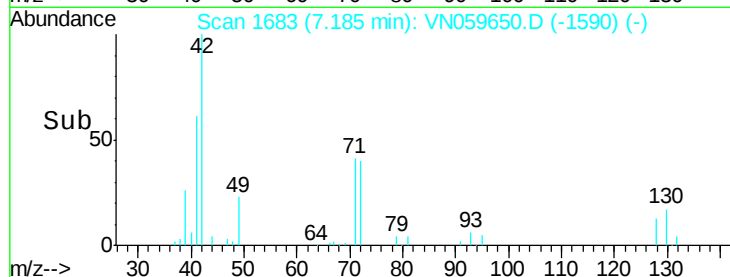
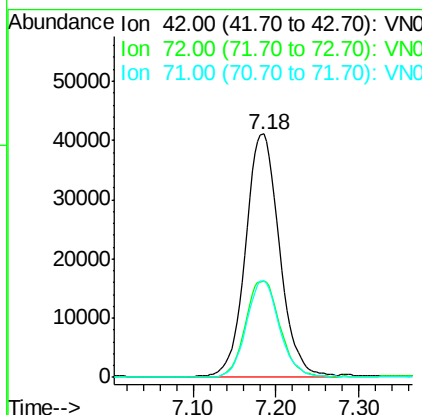
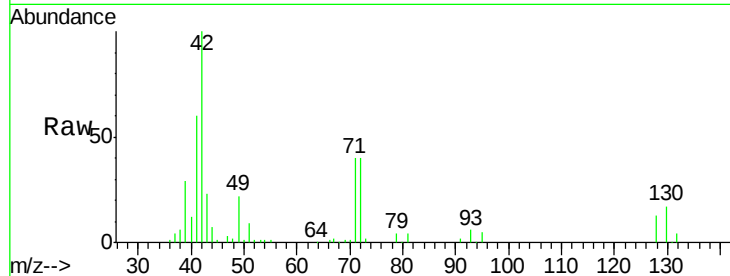
#29  
Tetrahydrofuran  
Concen: 89.458 ug/l  
RT: 7.18 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 40.3  | 33.1  | 49.7  |
| 71      | 38.4  | 31.4  | 47.0  |

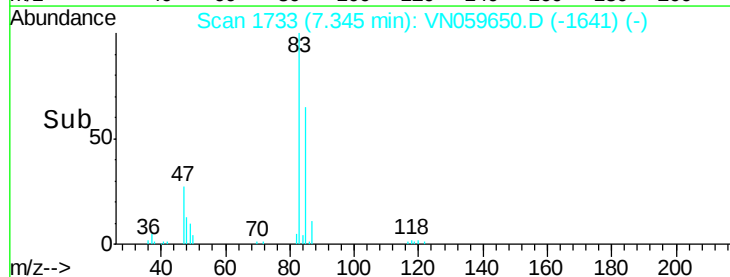
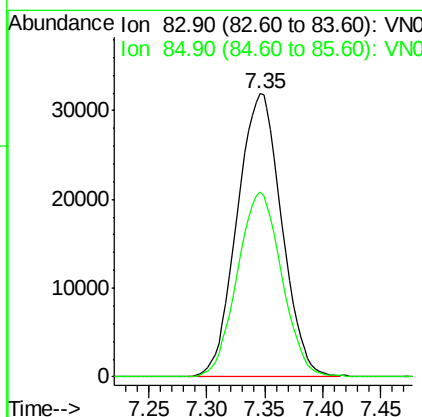
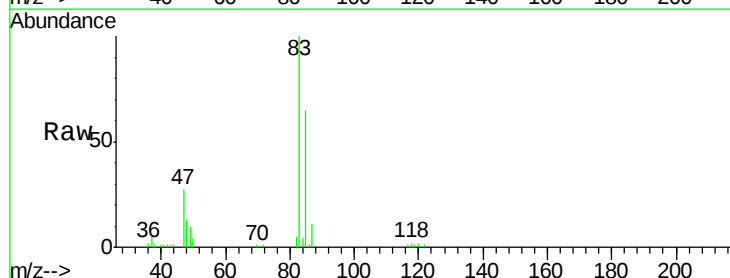
Manual Integrations  
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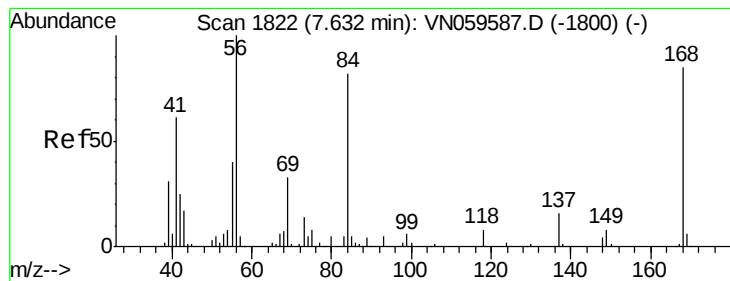
MMDadoda  
12/19/2019 11:11:50 AM



#30  
Chloroform  
Concen: 18.460 ug/l  
RT: 7.35 min Scan# 1733  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.1  | 52.4  | 78.6  |





#31

Cyclohexane

Concen: 17.570 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA\_N

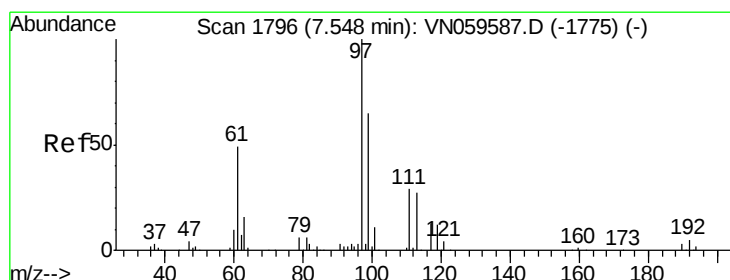
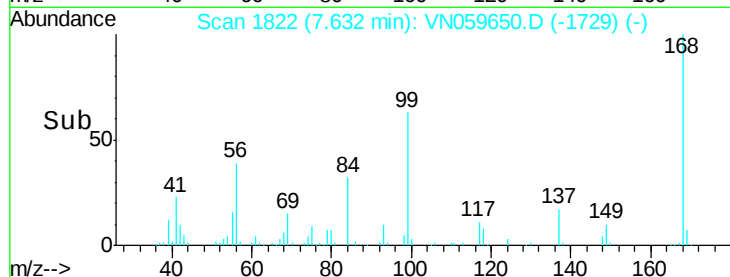
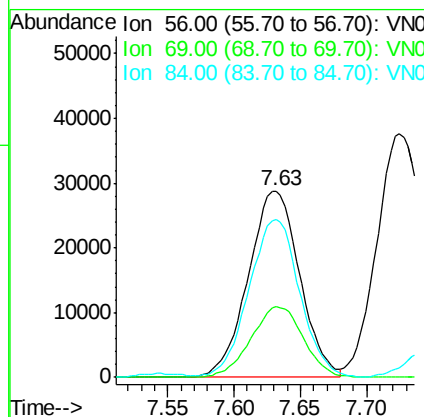
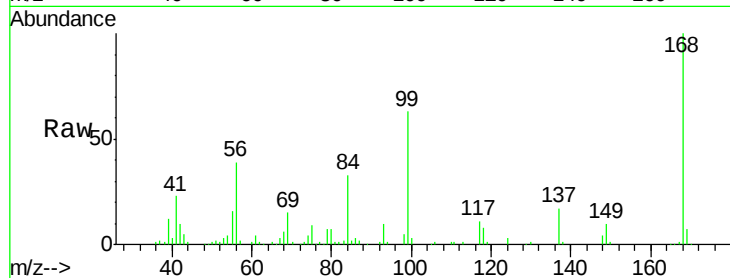
ClientSampleId :

VN1218WBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 56    | Resp: | 77869 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 37.9  | 26.5  | 39.7  |
| 84       | 83.3  | 65.3  | 97.9  |

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12/19/2019 11:11:50 AM



#32

1,1,1-Trichloroethane

Concen: 17.662 ug/l

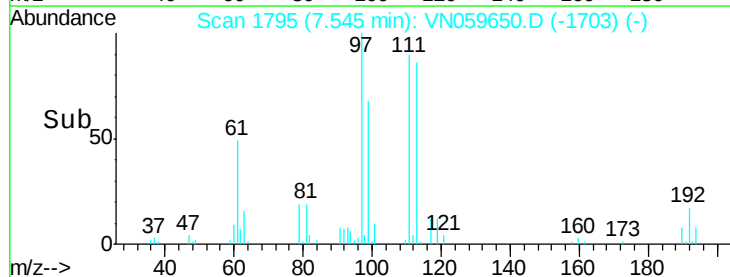
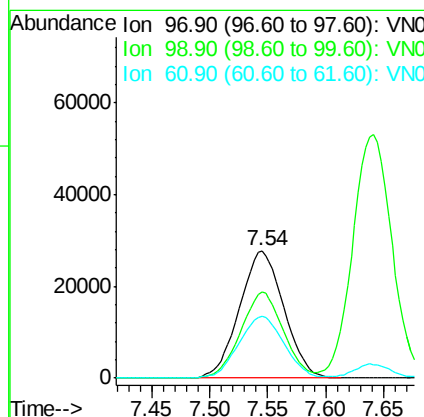
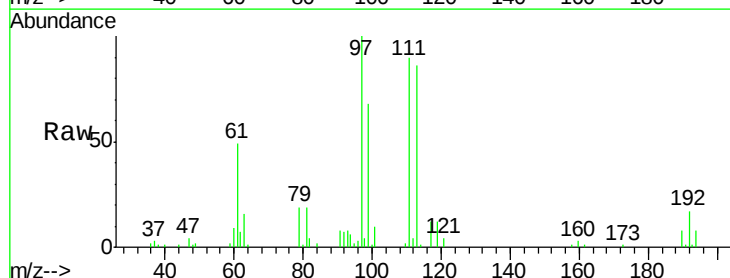
RT: 7.54 min Scan# 1795

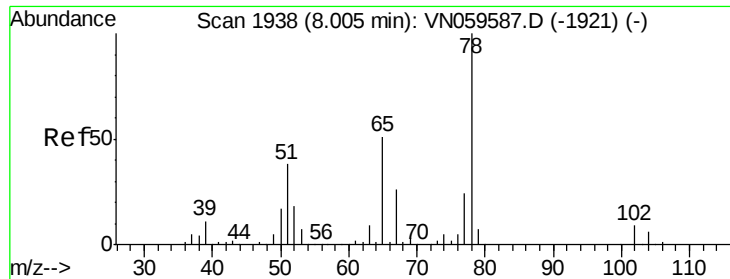
Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 73518 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 65.4  | 51.0  | 76.4  |
| 61       | 49.3  | 38.5  | 57.7  |





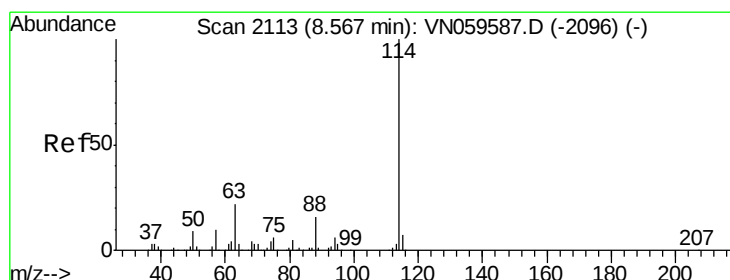
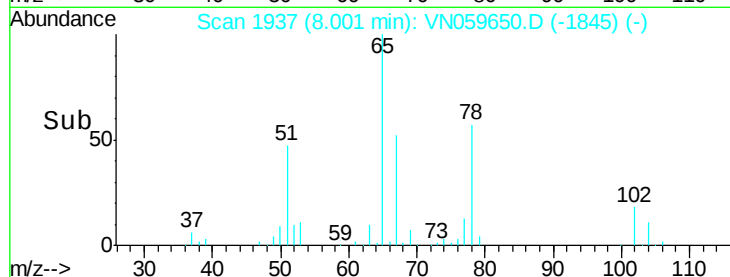
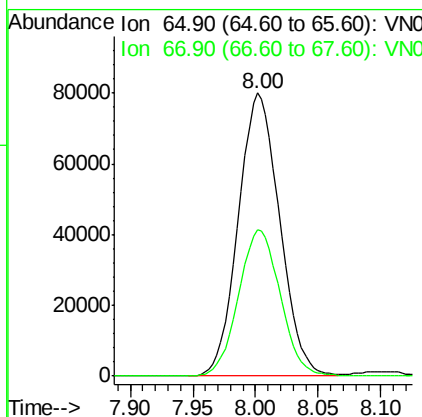
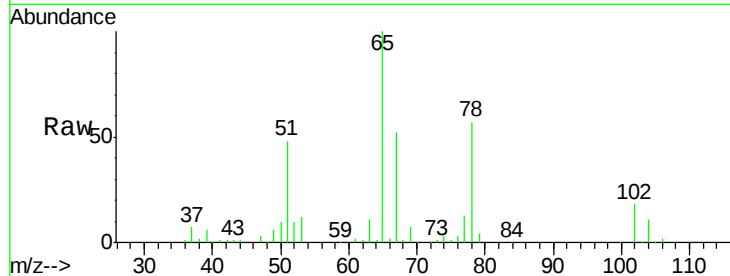
#33  
 1,2-Dichloroethane-d4  
 Concen: 60.587 ug/l  
 RT: 8.00 min Scan# 1937  
 Delta R.T. -0.00 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1218WBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 183904 |       |       |
| 67      | 52.1  | 0.0    | 103.0 |       |

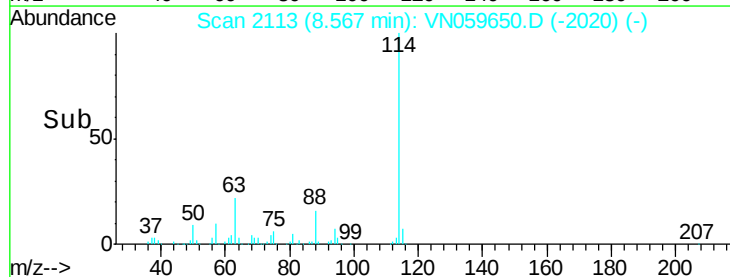
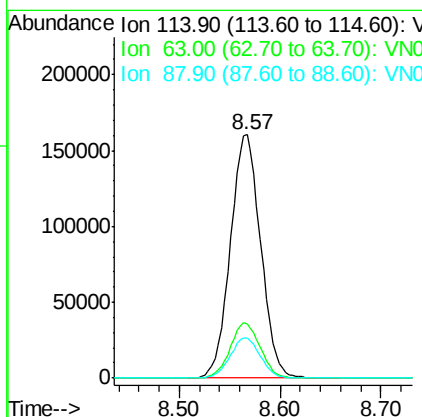
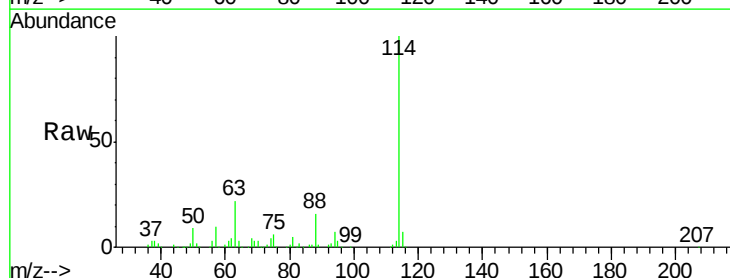
Manual Integrations  
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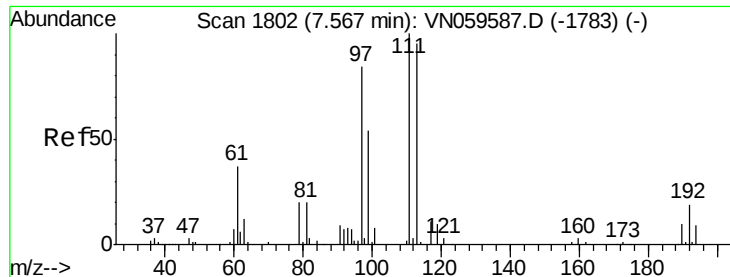
MMDadoda  
 12/19/2019 11:11:50 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. -0.00 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 334608 |       |       |
| 63      | 22.3  | 0.0    | 43.6  |       |
| 88      | 16.4  | 0.0    | 31.4  |       |





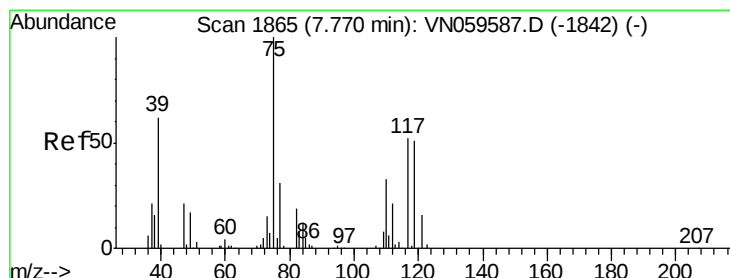
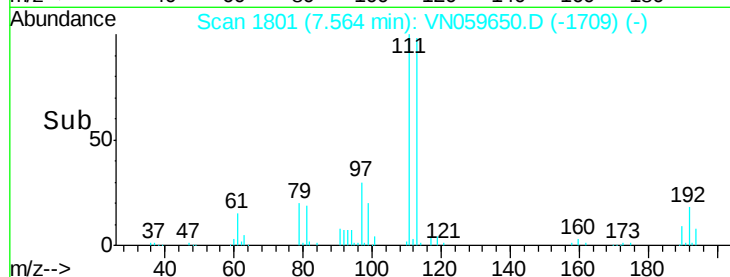
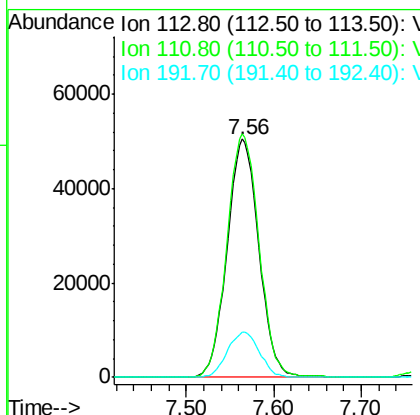
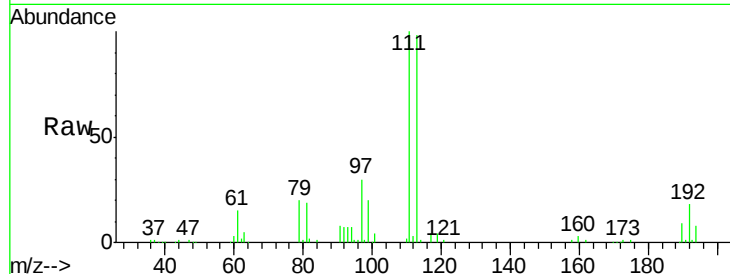
#35  
 Dibromofluoromethane  
 Concen: 60.618 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. -0.00 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1218WBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 126910 |       |       |
| 111     | 103.2 | 83.5   | 125.3 |       |
| 192     | 19.1  | 15.4   | 23.2  |       |

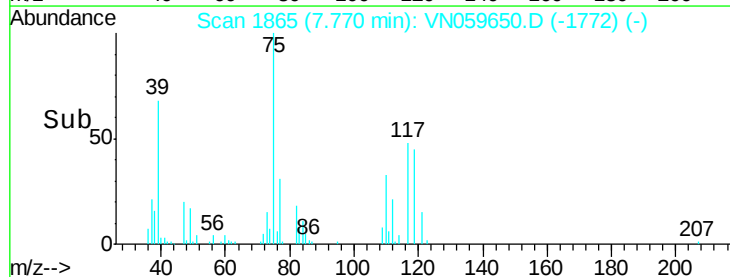
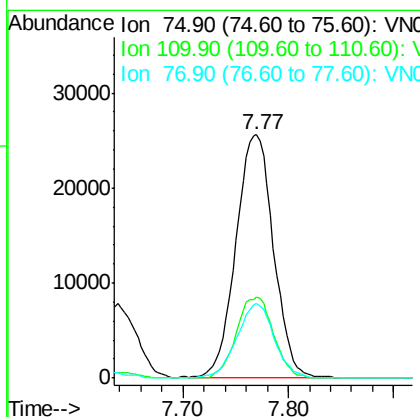
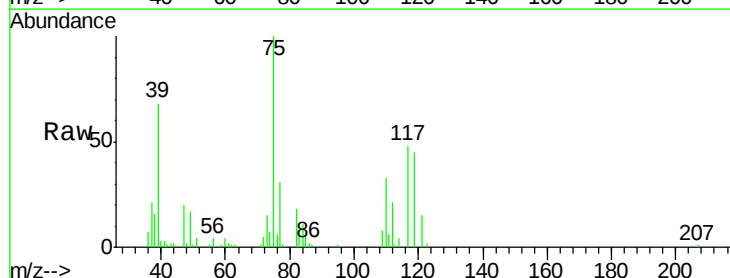
Manual Integrations  
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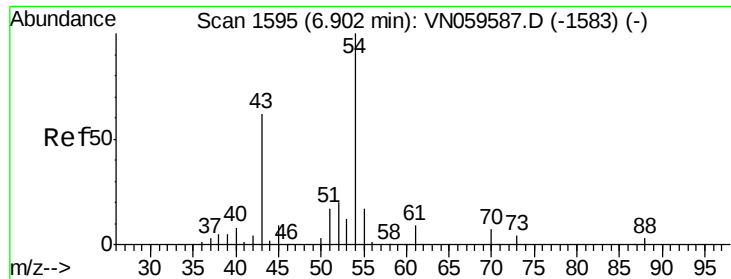
MMDadoda  
 12/19/2019 11:11:50 AM



#36  
 1,1-Dichloropropene  
 Concen: 18.228 ug/l  
 RT: 7.77 min Scan# 1865  
 Delta R.T. -0.00 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 63605 |       |       |
| 110     | 32.8  | 16.6  | 49.7  |       |
| 77      | 30.5  | 25.1  | 37.7  |       |





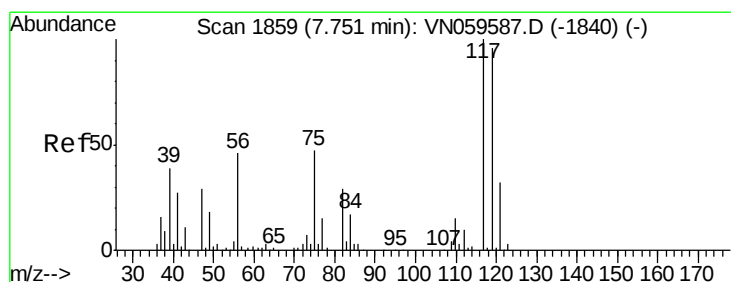
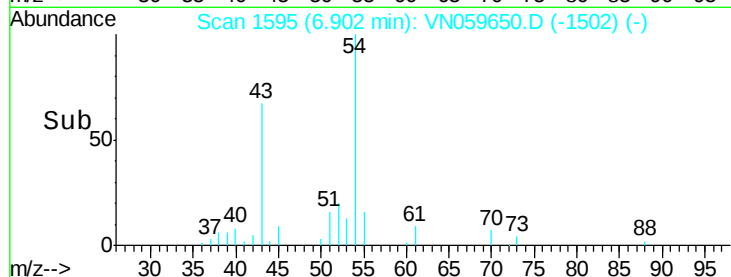
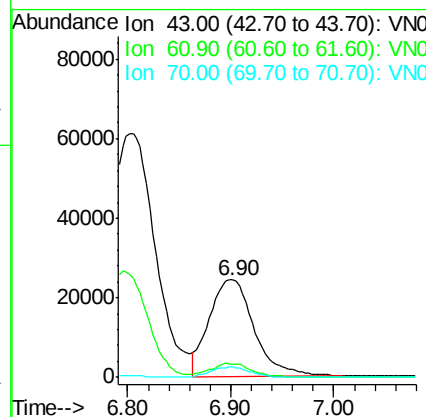
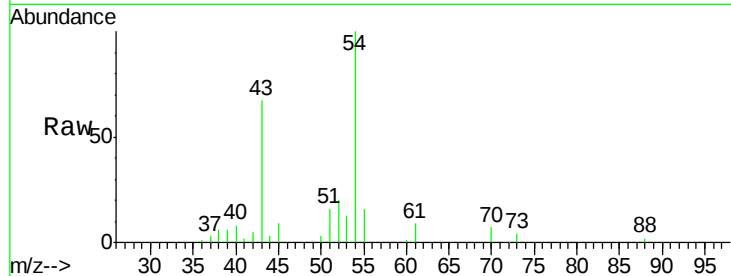
#37  
Ethyl Acetate  
Concen: 18.100 ug/l  
RT: 6.90 min Scan# 1595  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.1  | 10.9  | 16.3  |
| 70      | 9.5   | 7.7   | 11.5  |

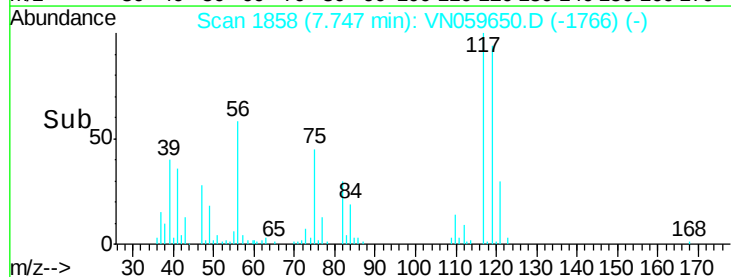
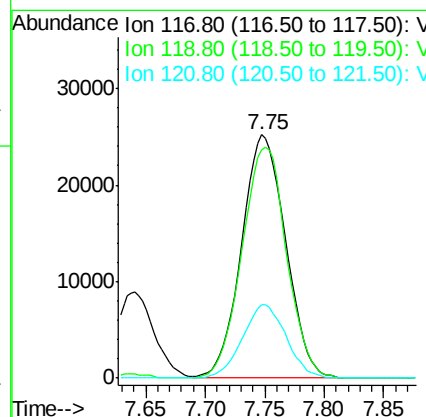
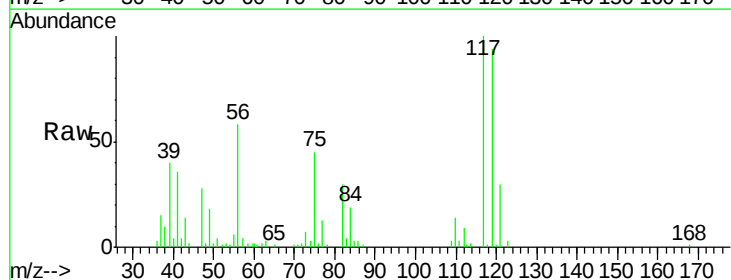
Manual Integrations  
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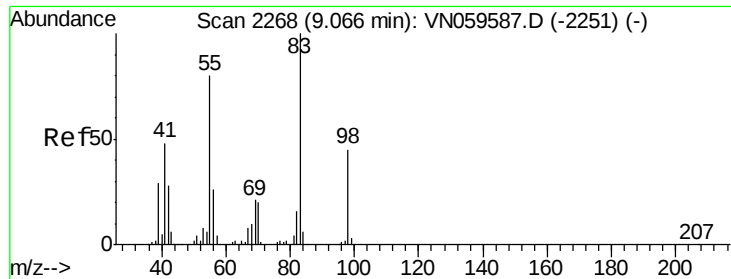
MMDadoda  
12/19/2019 11:11:50 AM



#38  
Carbon Tetrachloride  
Concen: 17.895 ug/l  
RT: 7.75 min Scan# 1858  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 93.8  | 76.5  | 114.7 |
| 121     | 29.9  | 25.1  | 37.7  |





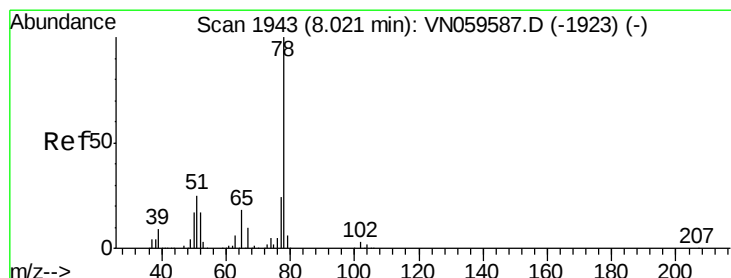
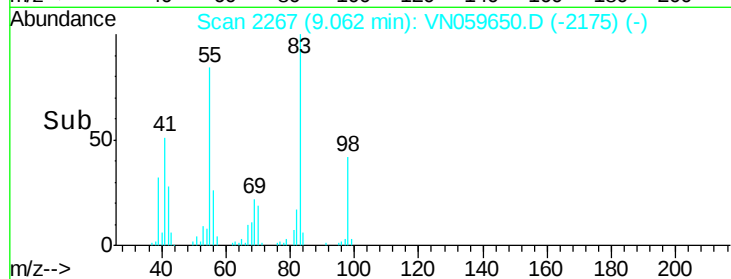
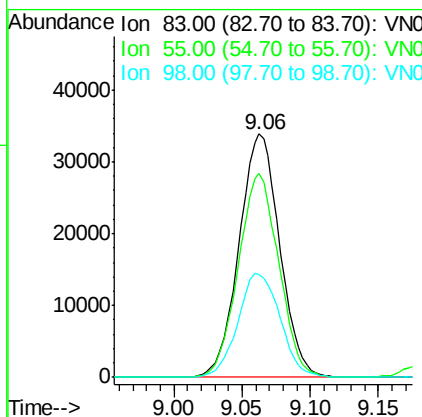
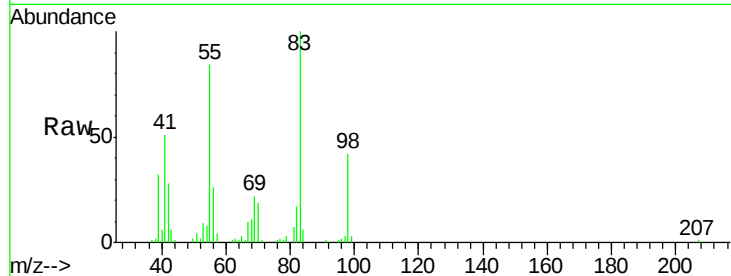
#39  
Methvlcvclohexane  
Concen: 17.688 ug/l  
RT: 9.06 min Scan# 2267  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 83.8  | 64.2  | 96.2  |
| 98      | 42.3  | 35.9  | 53.9  |

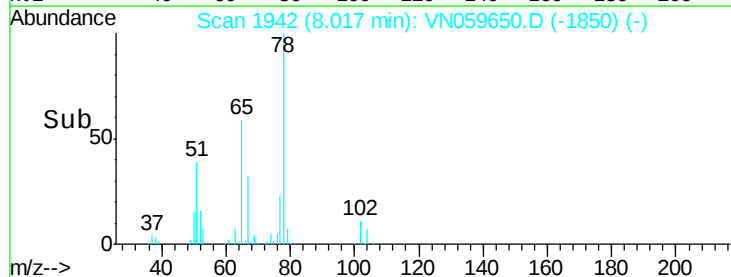
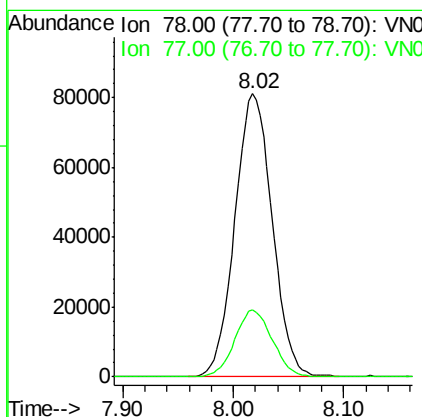
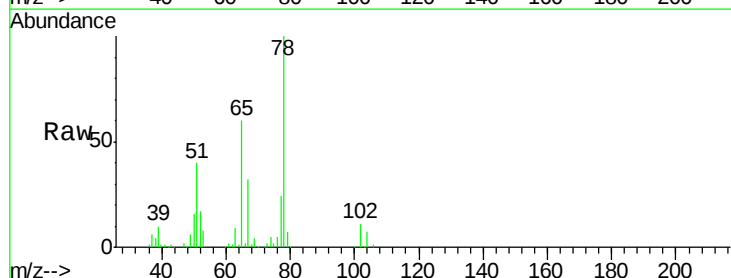
Manual Integrations  
APPROVED

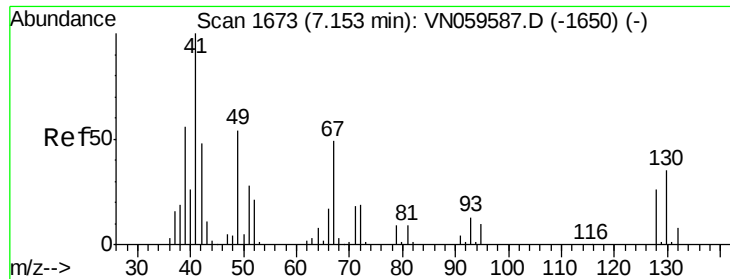
MMDadoda  
12/19/2019 11:11:50 AM



#40  
Benzene  
Concen: 18.677 ug/l  
RT: 8.02 min Scan# 1942  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.6  | 18.9  | 28.3  |





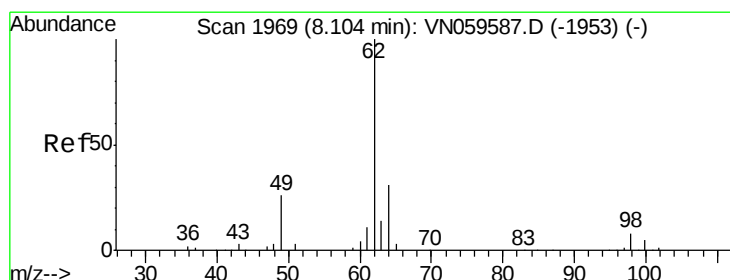
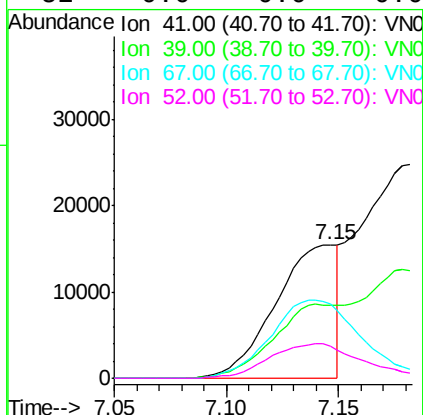
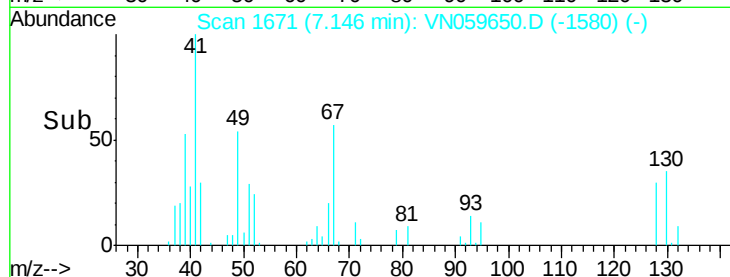
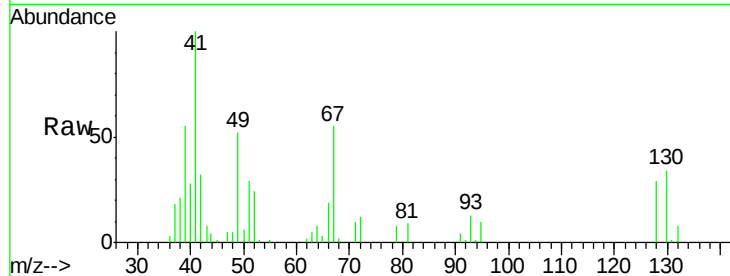
#41  
Methacrylonitrile  
Concen: 17.729 ug/l m  
RT: 7.15 min Scan# 1671  
Delta R.T. -0.01 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBS02

| Tot Ion | 41    | Resp  | 29674 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 0.0   | 0.0   | 0.0   |
| 67      | 0.0   | 0.0   | 0.0   |
| 52      | 0.0   | 0.0   | 0.0   |

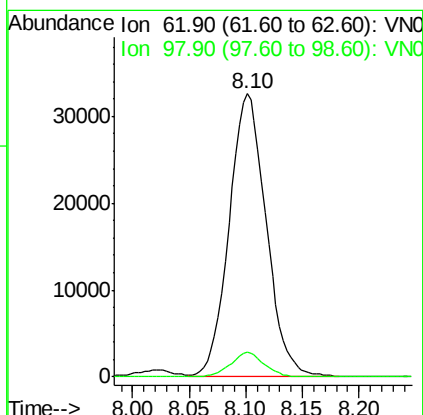
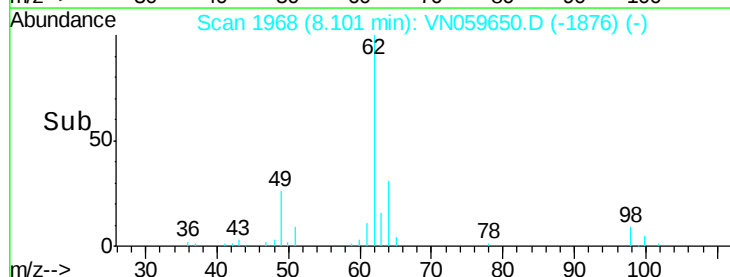
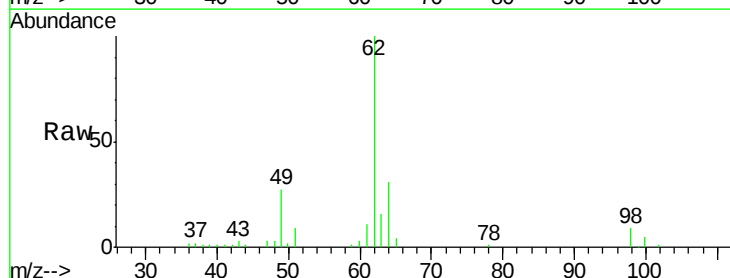
Manual Integrations  
APPROVED

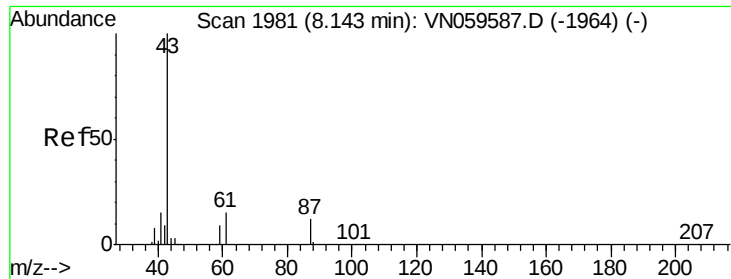
MMDadoda  
12/19/2019 11:11:50 AM



#42  
1,2-Dichloroethane  
Concen: 19.051 ug/l  
RT: 8.10 min Scan# 1968  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

| Tgt Ion | 62    | Resp  | 74400 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 62      | 100   |       |       |
| 98      | 7.8   | 0.0   | 15.8  |





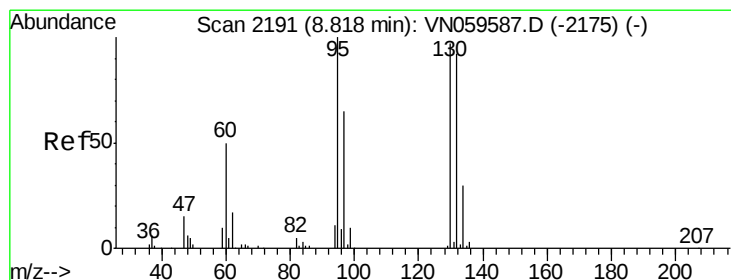
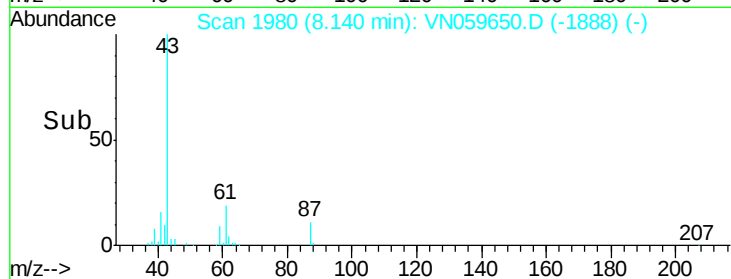
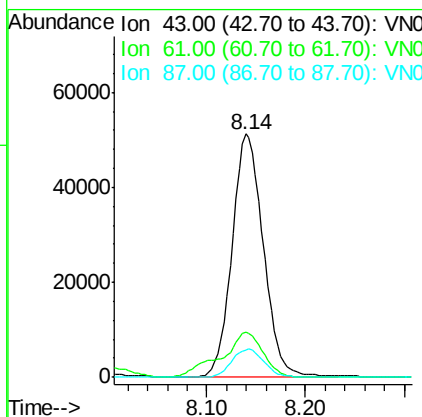
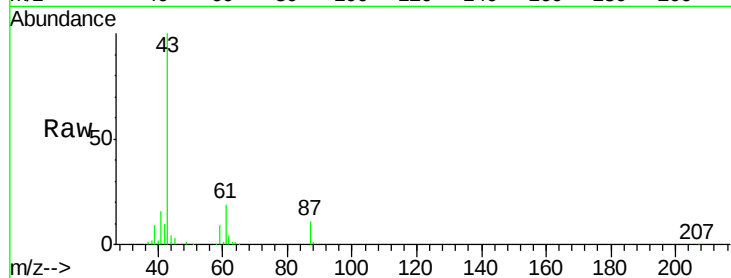
#43  
Isopropyl Acetate  
Concen: 17.964 ug/l  
RT: 8.14 min Scan# 1980  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 25.0  | 20.2  | 30.2  |
| 87      | 11.8  | 9.5   | 14.3  |

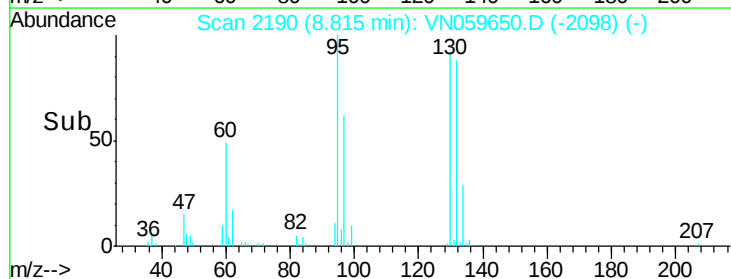
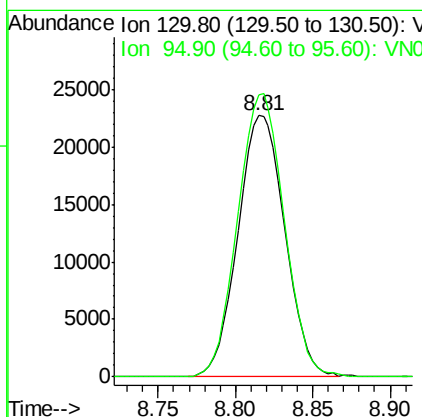
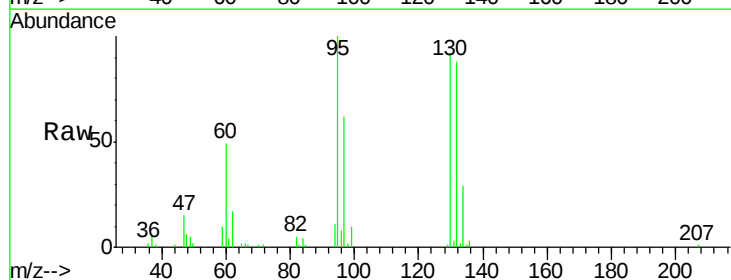
Manual Integrations  
APPROVED

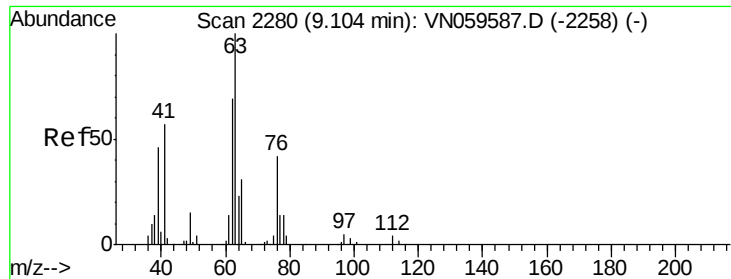
MMDadoda  
12/19/2019 11:11:50 AM



#44  
Trichloroethene  
Concen: 17.979 ug/l  
RT: 8.81 min Scan# 2190  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 108.2 | 0.0   | 207.0 |





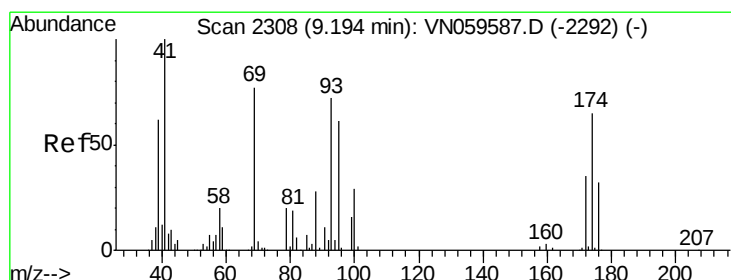
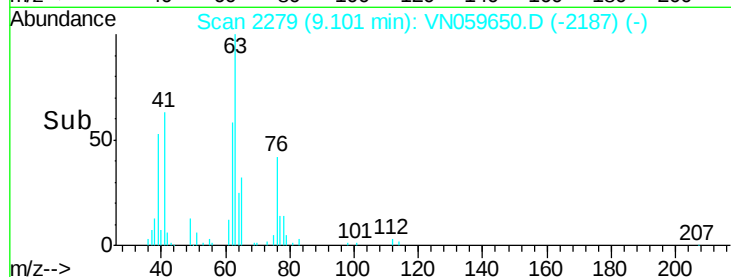
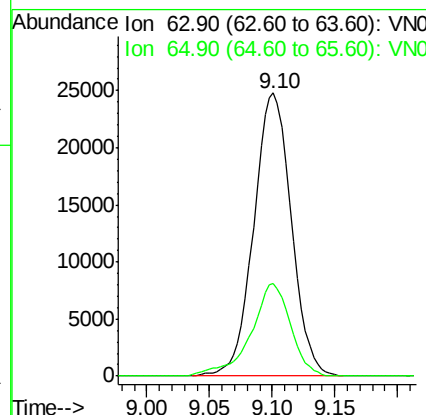
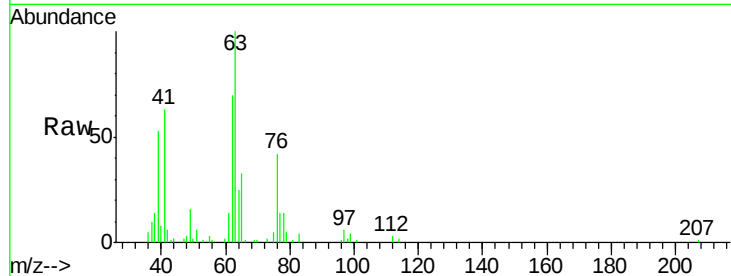
#45  
 1,2-Dichloropropane  
 Concen: 18.765 ug/l  
 RT: 9.10 min Scan# 2279  
 Delta R.T. -0.00 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1218WBS02

Tot Ion: 63 Resp: 51674  
 Ion Ratio Lower Upper  
 63 100  
 65 32.6 24.9 37.3

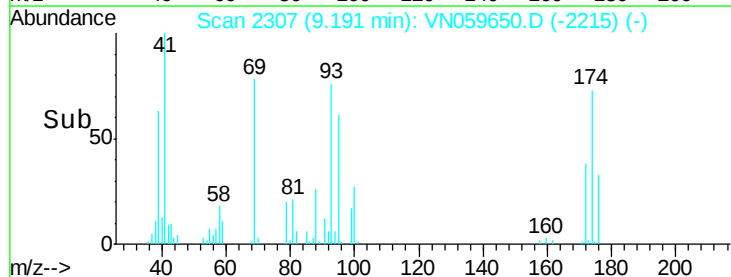
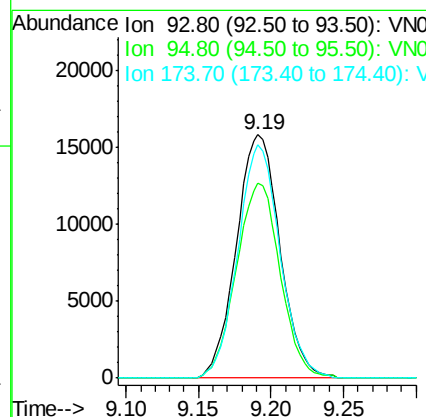
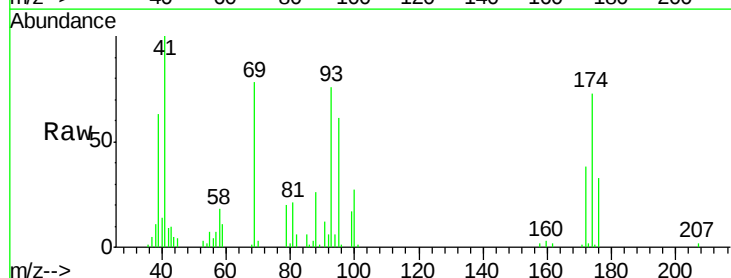
Manual Integrations  
 APPROVED

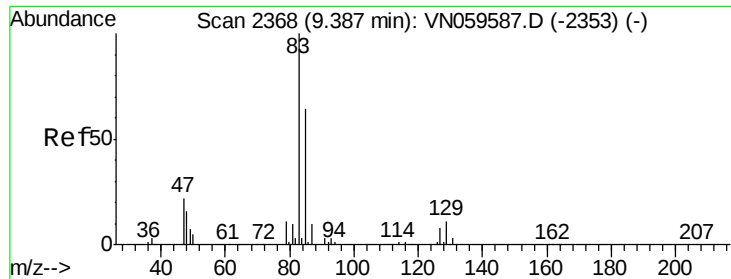
MMDadoda  
 12/19/2019 11:11:50 AM



#46  
 Dibromomethane  
 Concen: 18.331 ug/l  
 RT: 9.19 min Scan# 2307  
 Delta R.T. -0.00 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

Tgt Ion: 93 Resp: 33071  
 Ion Ratio Lower Upper  
 93 100  
 95 80.4 67.0 100.6  
 174 93.0 73.4 110.2





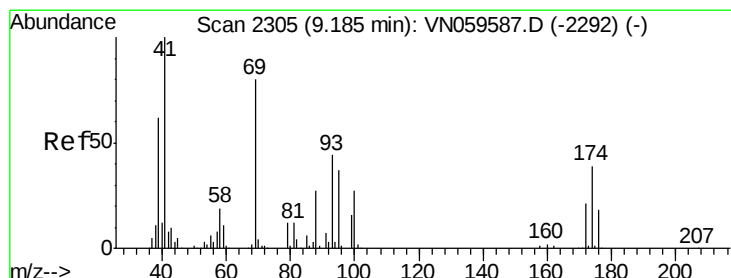
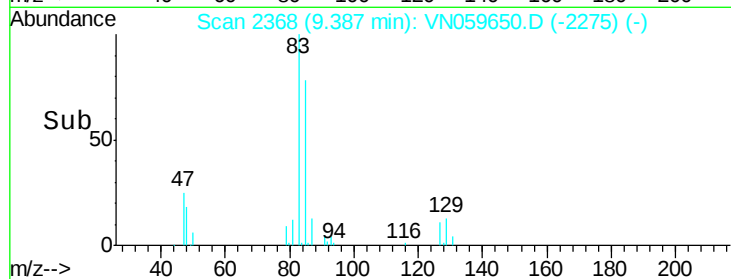
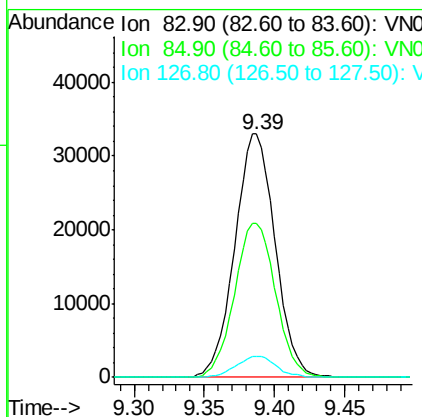
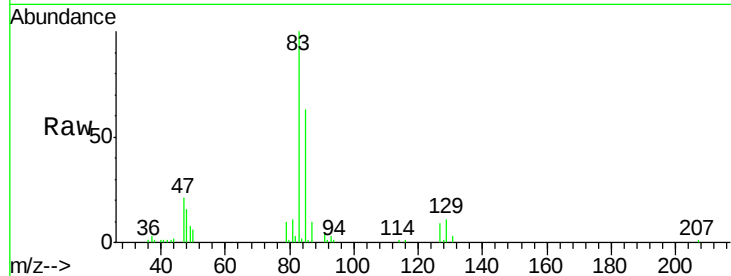
#47  
Bromodichloromethane  
Concen: 18.361 ug/l  
RT: 9.39 min Scan# 2368  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBS02

| Tot Ion   | 83   | Resp  | 66044 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 63.1 | 51.1  | 76.7  |
| 127       | 8.6  | 6.6   | 9.8   |

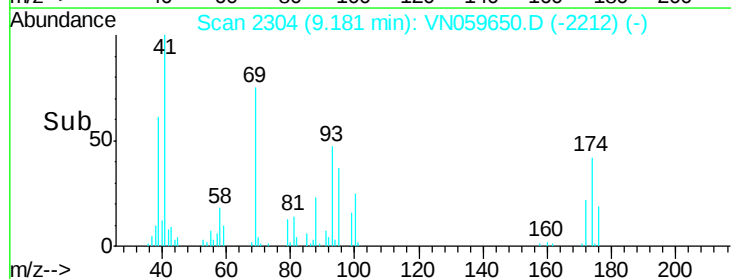
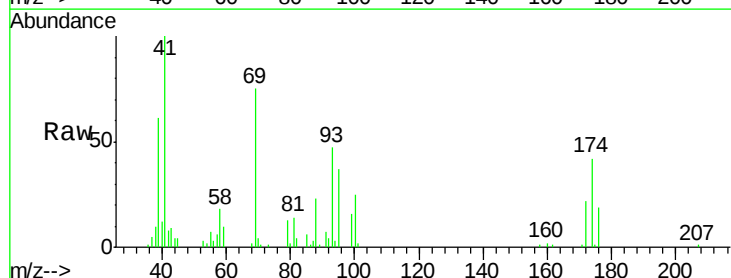
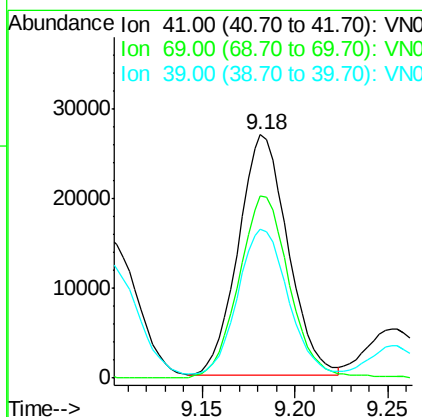
Manual Integrations  
APPROVED

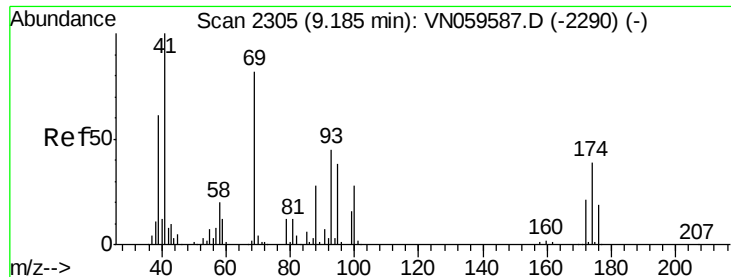
MMDadoda  
12/19/2019 11:11:50 AM



#48  
Methyl methacrylate  
Concen: 17.440 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

| Tgt Ion   | 41   | Resp  | 49891 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 69        | 77.3 | 64.4  | 96.6  |
| 39        | 63.5 | 51.3  | 76.9  |





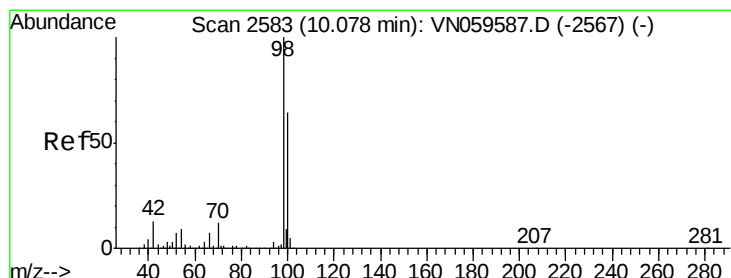
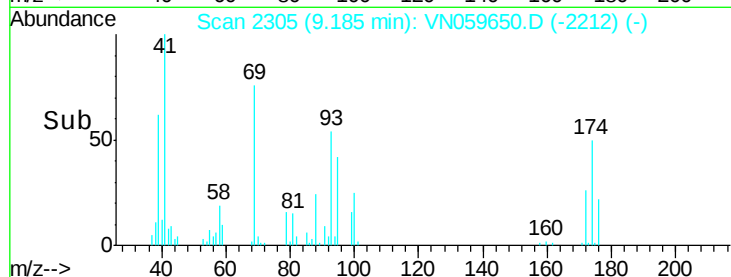
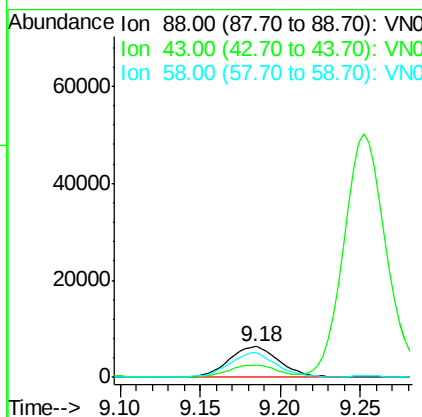
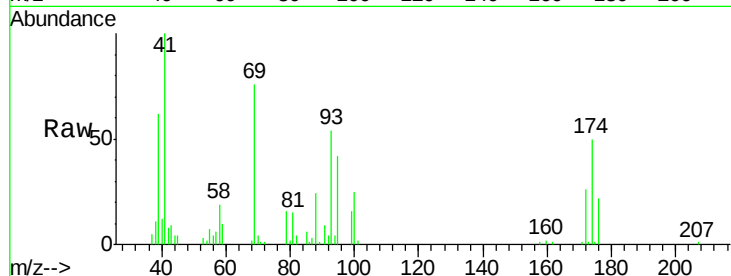
#49  
1,4-Dioxane  
Concen: 332.439 ug/l  
RT: 9.18 min Scan# 2305  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 39.0  | 29.7  | 44.5  |
| 58      | 74.7  | 56.6  | 85.0  |

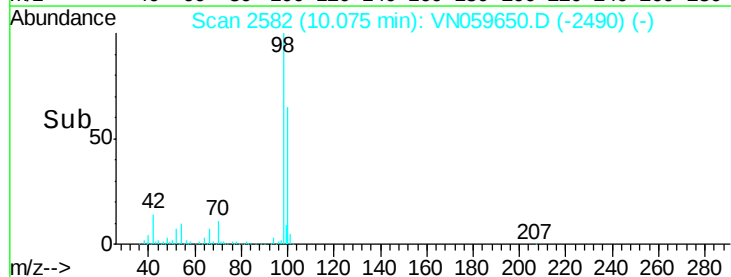
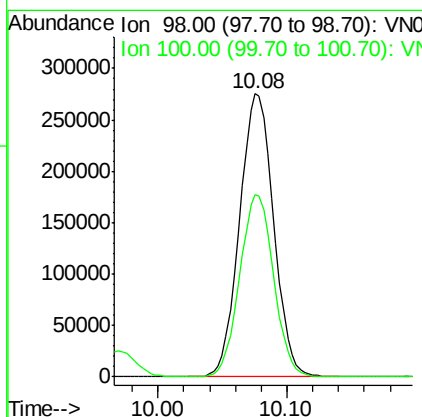
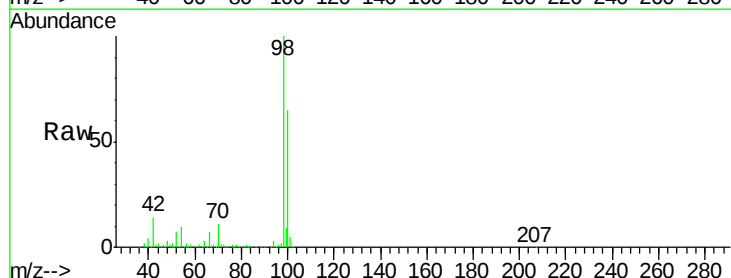
Manual Integrations  
APPROVED

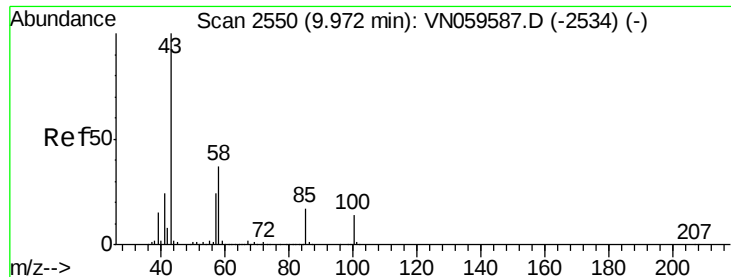
MMDadoda  
12/19/2019 11:11:50 AM



#50  
Toluene-d8  
Concen: 61.038 ug/l  
RT: 10.08 min Scan# 2582  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.3  | 51.2  | 76.8  |





#51

4-Methyl-2-Pentanone

Concen: 94.163 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBS02

Tot Ion: 43 Resp: 354005

Ion Ratio Lower Upper

43 100

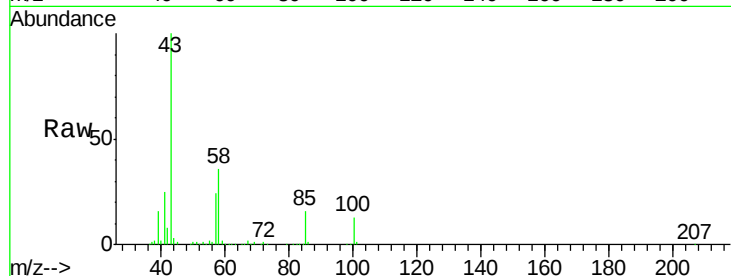
58 36.3 29.8 44.8

Manual Integrations

APPROVED

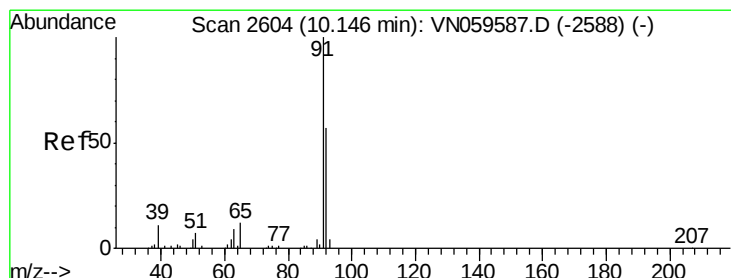
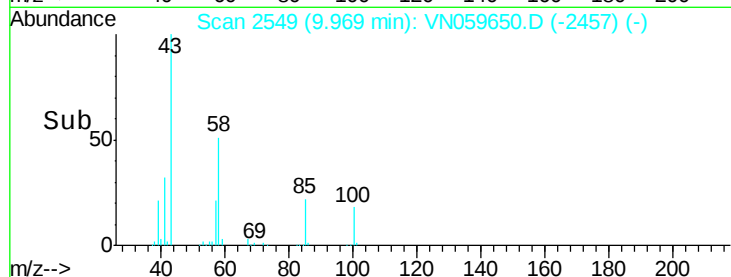
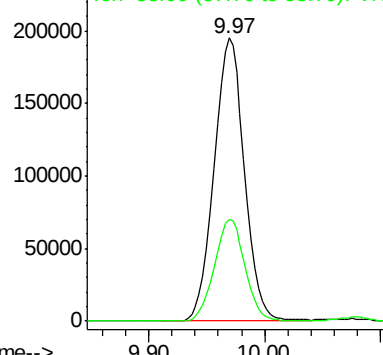
MMDadoda

12/19/2019 11:11:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.150 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059650.D

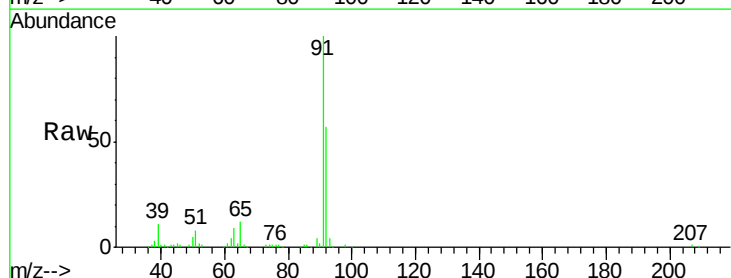
Acq: 18 Dec 2019 15:29

Tgt Ion: 92 Resp: 113722

Ion Ratio Lower Upper

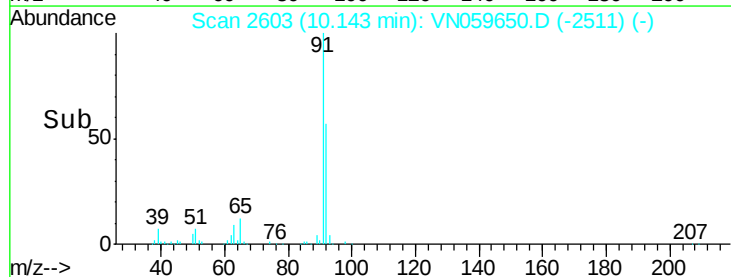
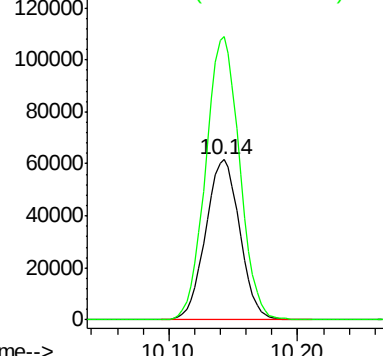
92 100

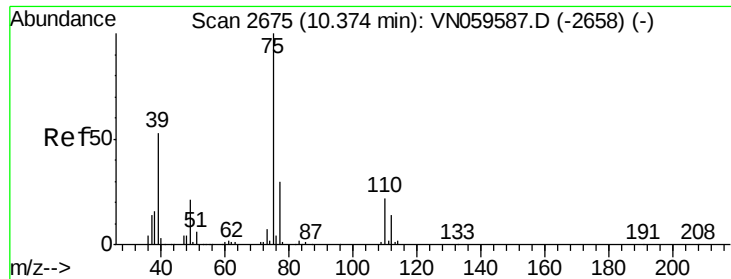
91 175.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





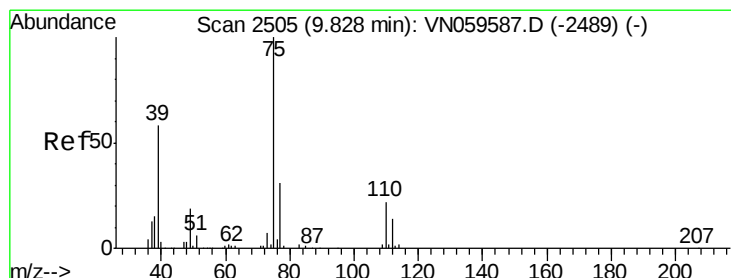
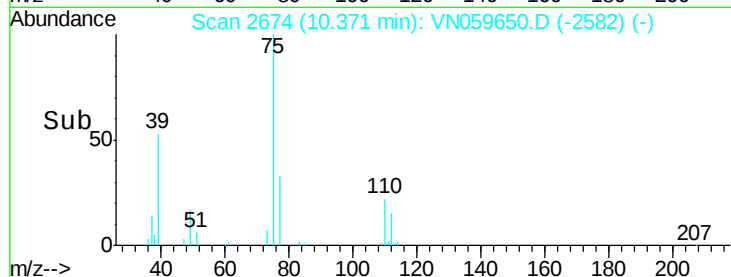
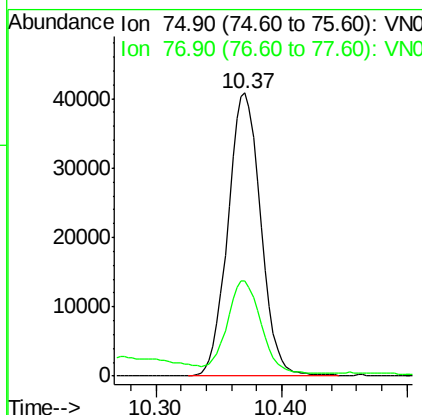
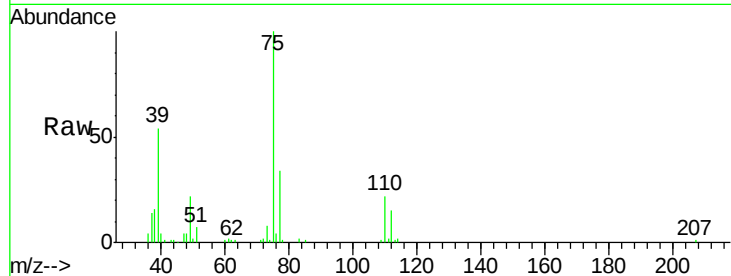
#53  
t-1,3-Dichloropropene  
Concen: 17.911 ug/l  
RT: 10.37 min Scan# 2674  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBS02

Tot Ion: 75 Resp: 74509  
Ion Ratio Lower Upper  
75 100  
77 32.5 25.4 38.2

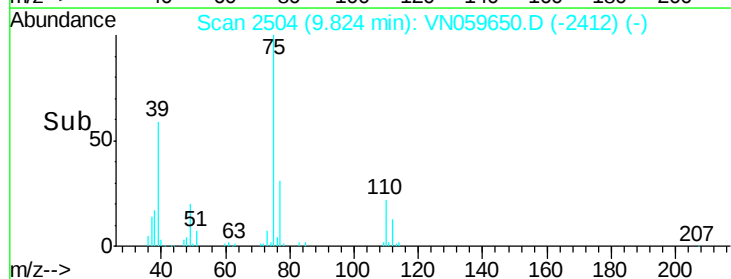
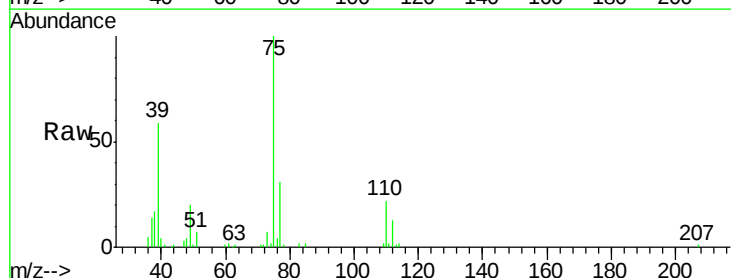
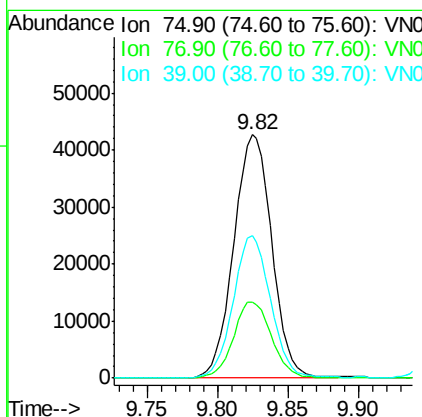
Manual Integrations  
APPROVED

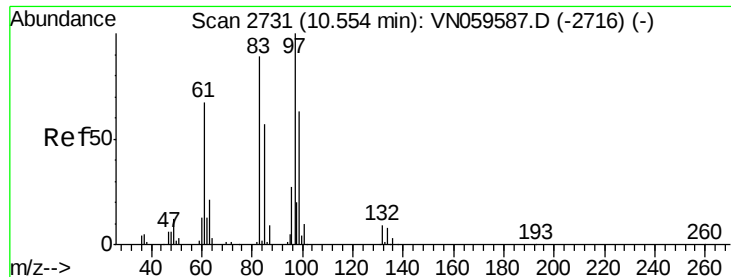
MMDadoda  
12/19/2019 11:11:50 AM



#54  
cis-1,3-Dichloropropene  
Concen: 18.461 ug/l  
RT: 9.82 min Scan# 2504  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Tgt Ion: 75 Resp: 80725  
Ion Ratio Lower Upper  
75 100  
77 31.2 25.1 37.7  
39 58.6 46.1 69.1





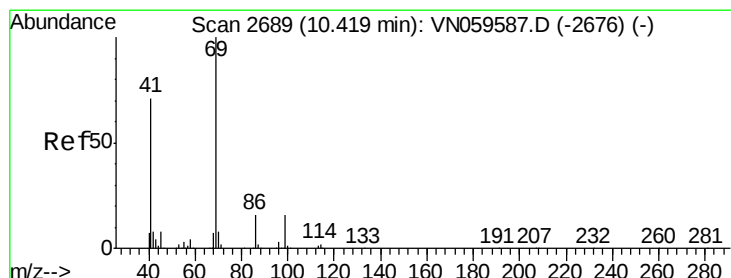
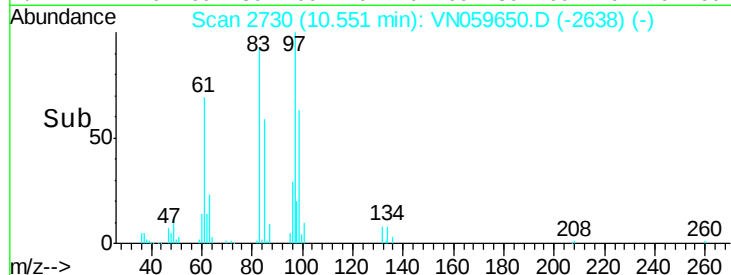
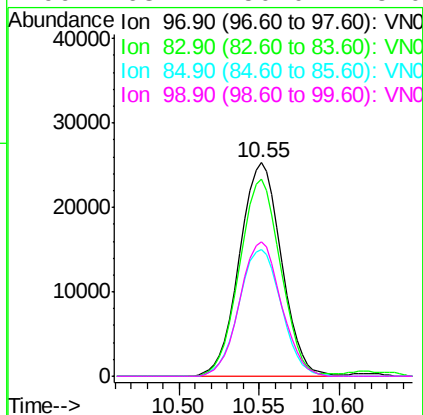
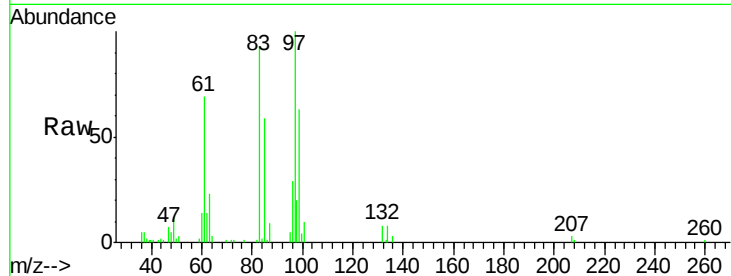
#55  
 1,1,2-Trichloroethane  
 Concen: 18.434 ug/l  
 RT: 10.55 min Scan# 2730  
 Delta R.T. -0.00 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1218WBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 45325 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 92.5  | 71.3  | 106.9 |
| 85       | 59.4  | 45.8  | 68.8  |
| 99       | 63.1  | 50.0  | 75.0  |

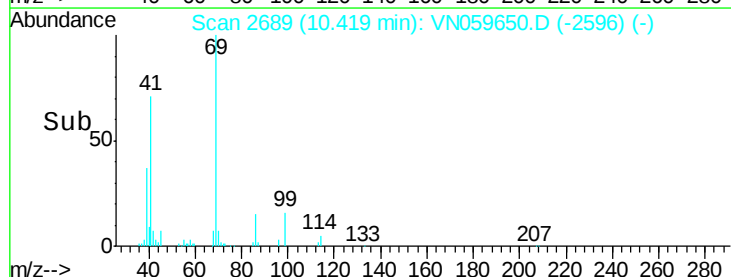
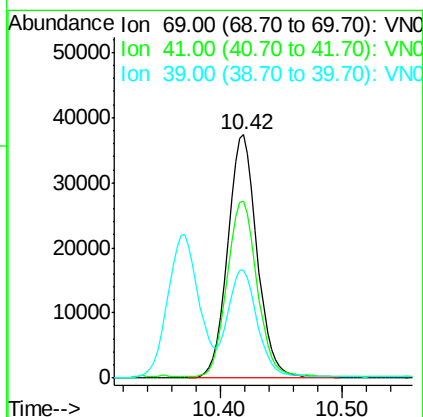
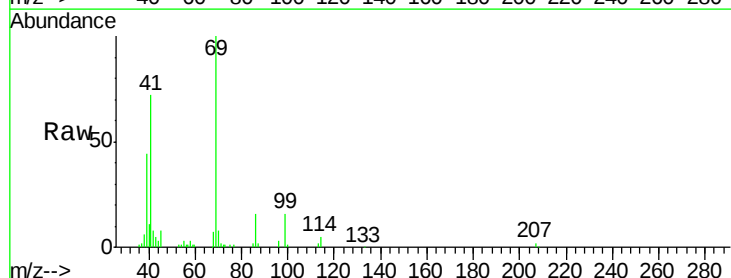
Manual Integrations  
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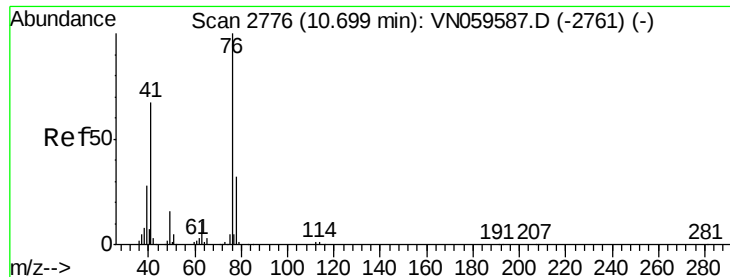
MMDadoda  
 12/19/2019 11:11:50 AM



#56  
 Ethyl methacrylate  
 Concen: 17.284 ug/l  
 RT: 10.42 min Scan# 2689  
 Delta R.T. -0.00 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 63086 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 73.5  | 57.1  | 85.7  |
| 39       | 44.3  | 34.7  | 52.1  |





#57

1,3-Dichloropropane

Concen: 18.554 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBS02

Tot Ion: 76 Resp: 79431

Ion Ratio Lower Upper

76 100

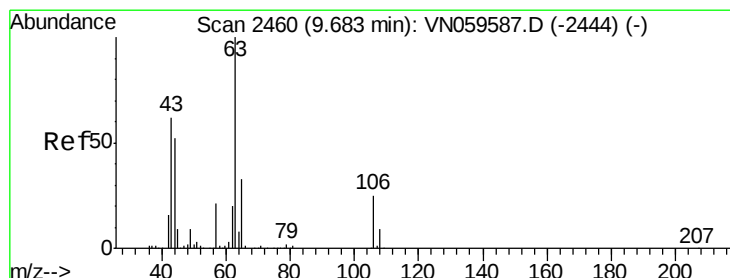
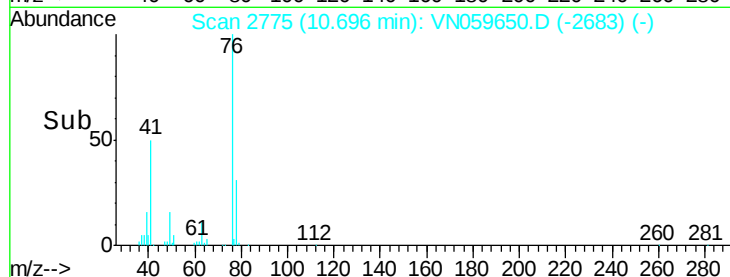
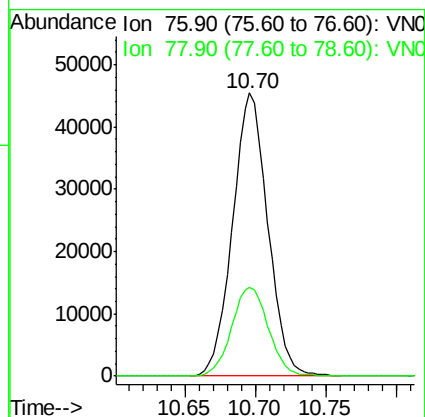
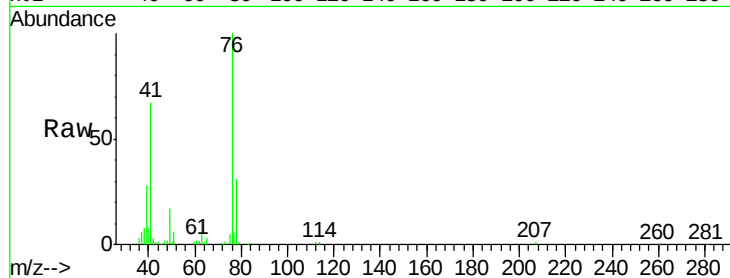
78 32.7 25.8 38.8

Manual Integrations

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MMDadoda

12/19/2019 11:11:50 AM



#58

2-Chloroethyl Vinyl ether

Concen: 155.017 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059650.D

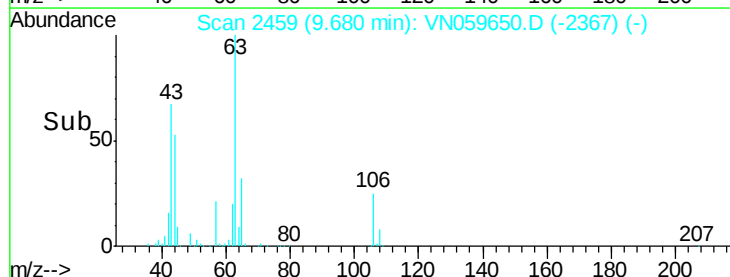
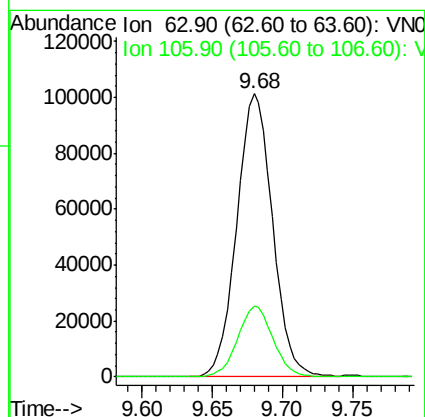
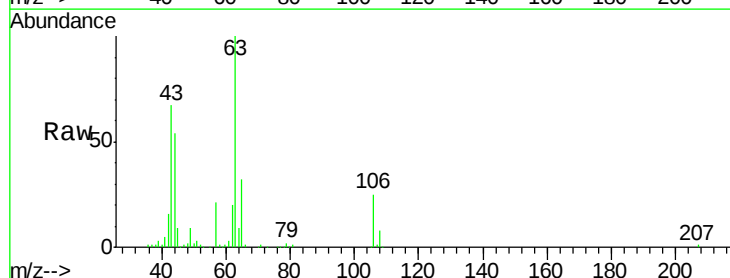
Acq: 18 Dec 2019 15:29

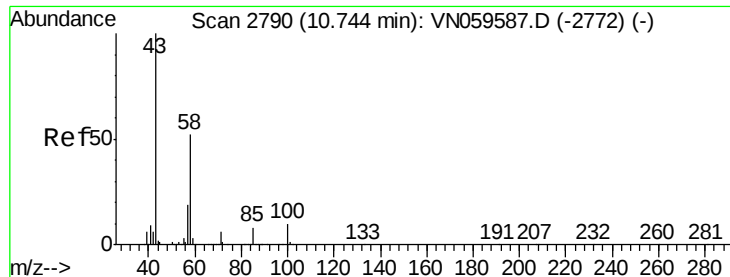
Tgt Ion: 63 Resp: 179953

Ion Ratio Lower Upper

63 100

106 24.7 20.2 30.2





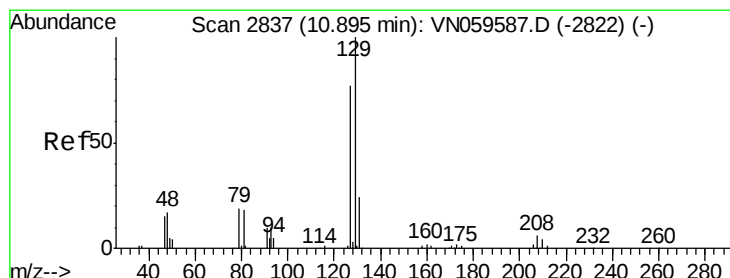
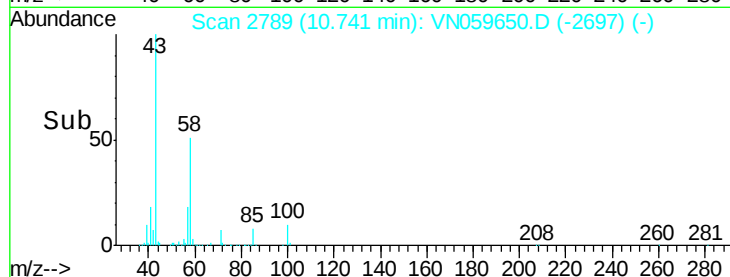
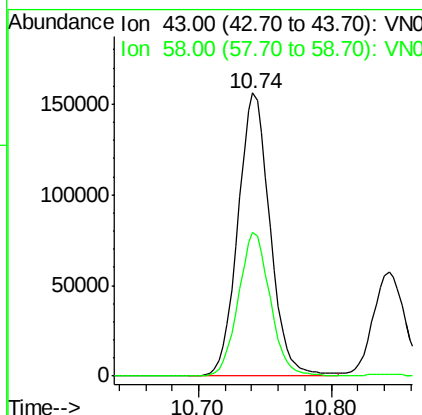
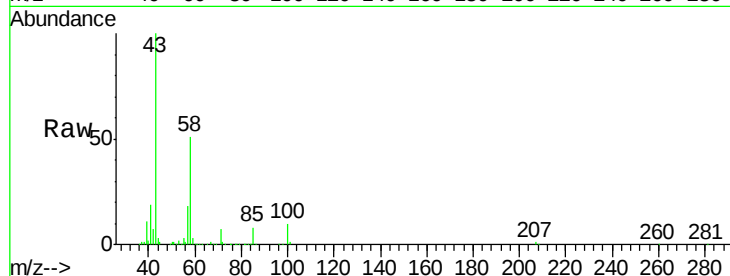
#59  
2-Hexanone  
Concen: 88.088 ug/l  
RT: 10.74 min Scan# 2789  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBS02

Tot Ion: 43 Resp: 261003  
Ion Ratio Lower Upper  
43 100  
58 50.8 25.8 77.3

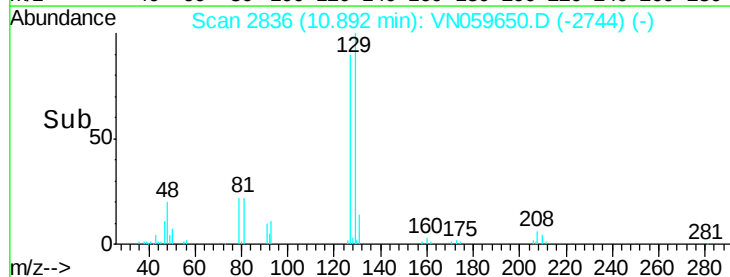
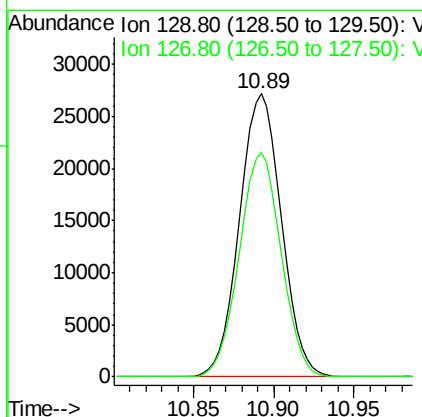
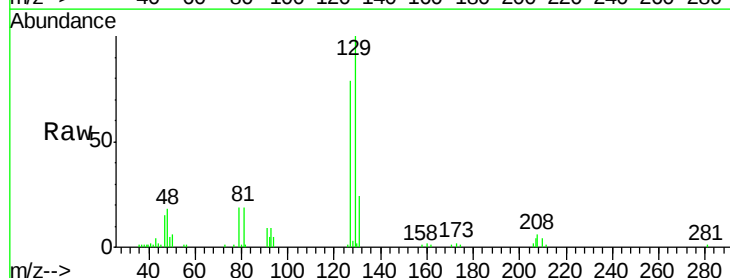
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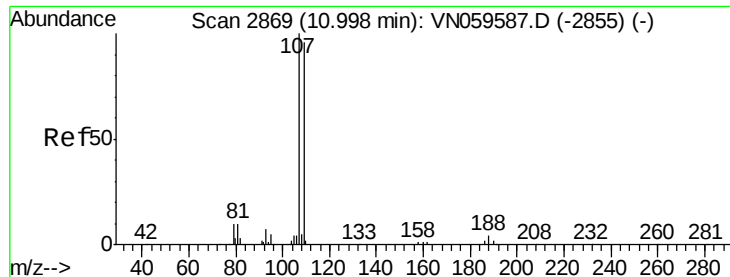
MMDadoda  
12/19/2019 11:11:50 AM



#60  
Dibromochloromethane  
Concen: 18.120 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Tgt Ion:129 Resp: 48625  
Ion Ratio Lower Upper  
129 100  
127 78.9 38.5 115.5





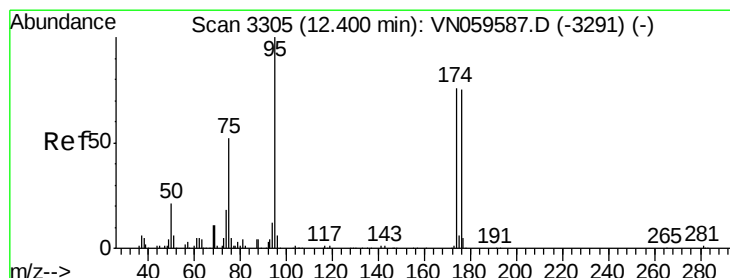
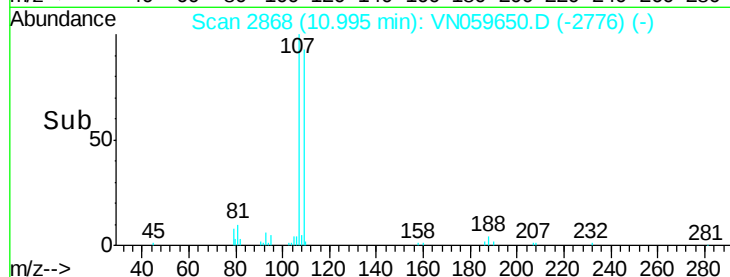
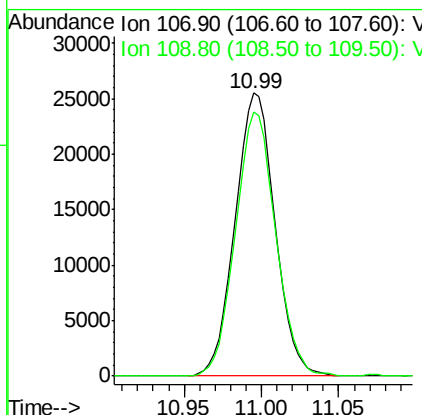
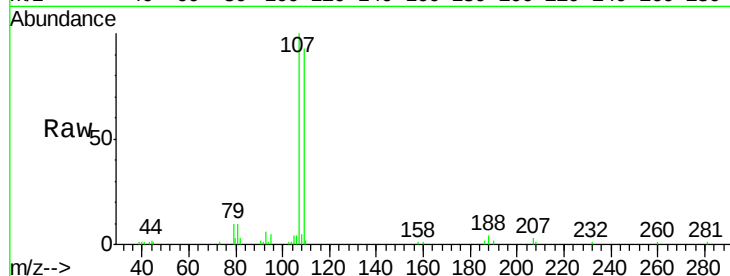
#61  
 1,2-Dibromoethane  
 Concen: 17.538 ug/l  
 RT: 10.99 min Scan# 2868  
 Delta R.T. -0.00 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1218WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.0  | 76.6  | 115.0 |

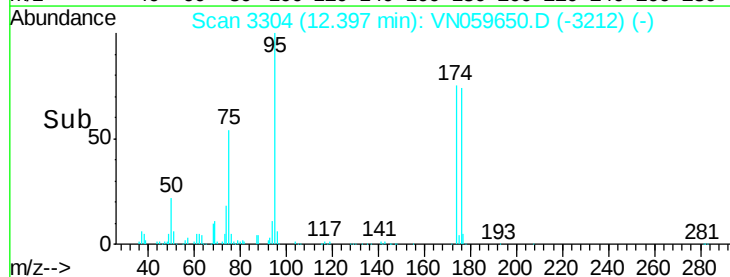
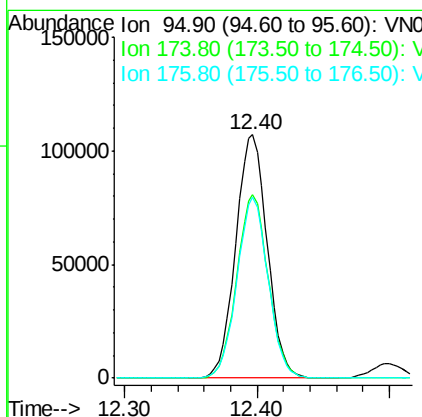
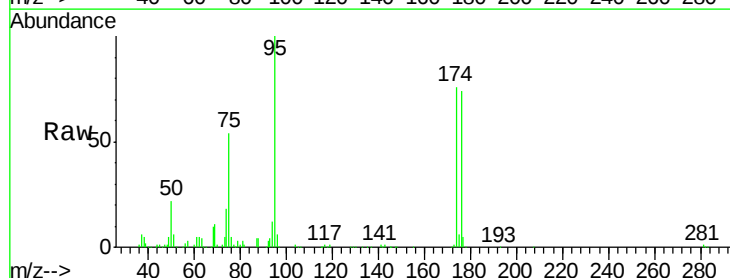
Manual Integrations  
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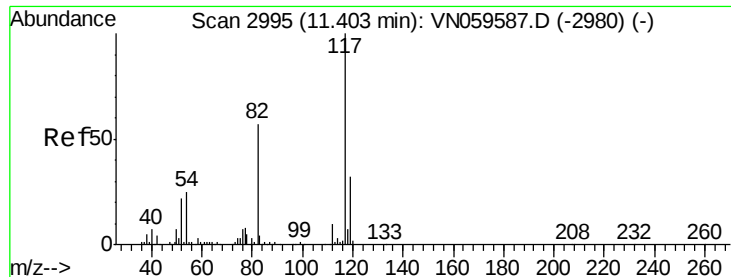
MMDadoda  
 12/19/2019 11:11:50 AM



#62  
 4-Bromofluorobenzene  
 Concen: 58.663 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. -0.00 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 74.9  | 0.0   | 151.4 |
| 176     | 73.0  | 0.0   | 146.0 |





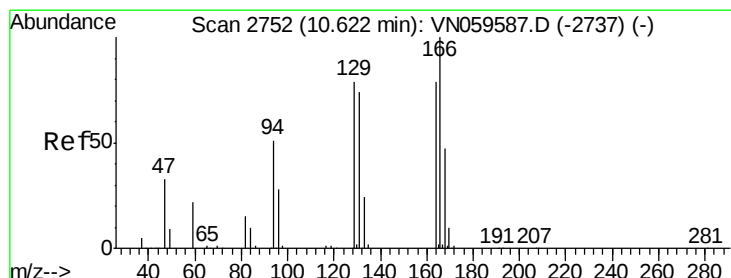
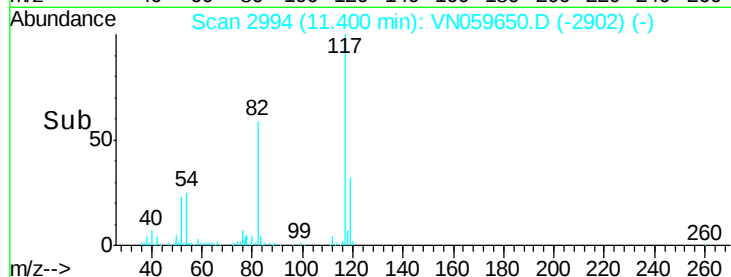
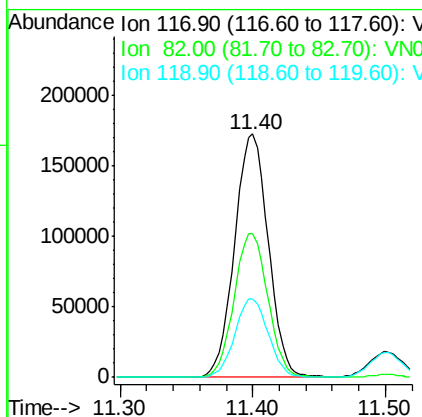
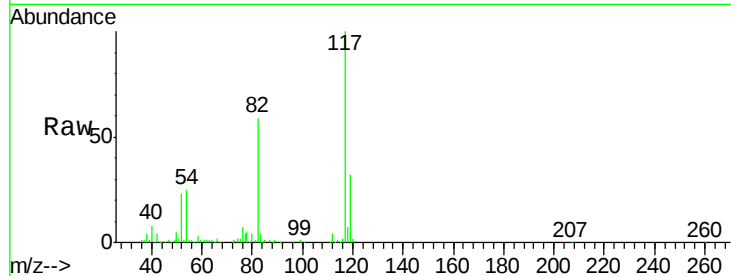
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 305229 |       |       |
| 82      | 59.0  |        | 45.9  | 68.9  |
| 119     | 32.5  |        | 25.5  | 38.3  |

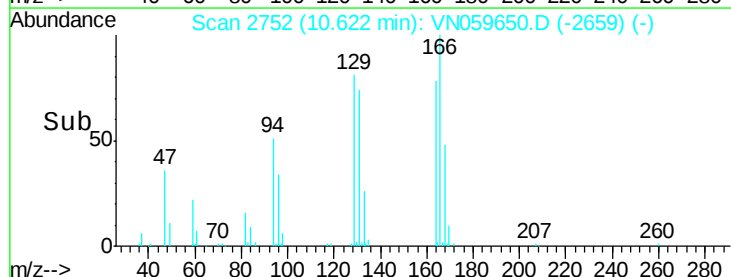
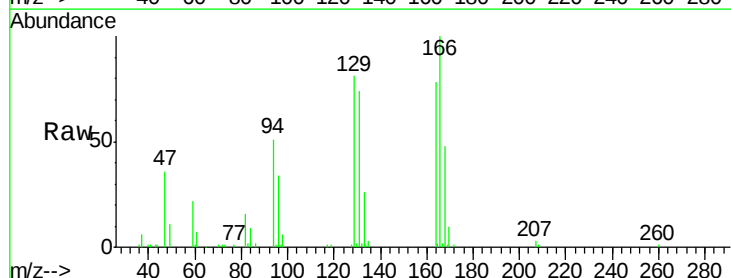
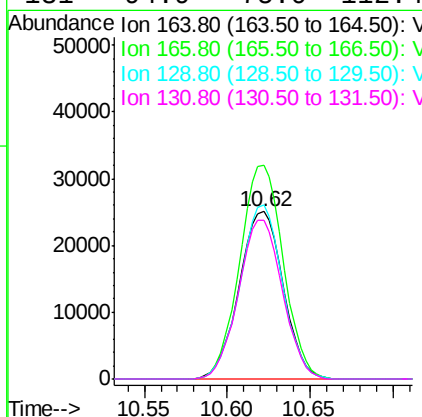
Manual Integrations  
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12/19/2019 11:11:50 AM



#64  
Tetrachloroethene  
Concen: 16.305 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 46393 |       |       |
| 166     | 127.7 |       | 101.4 | 152.0 |
| 129     | 103.9 |       | 80.2  | 120.4 |
| 131     | 94.9  |       | 75.0  | 112.4 |





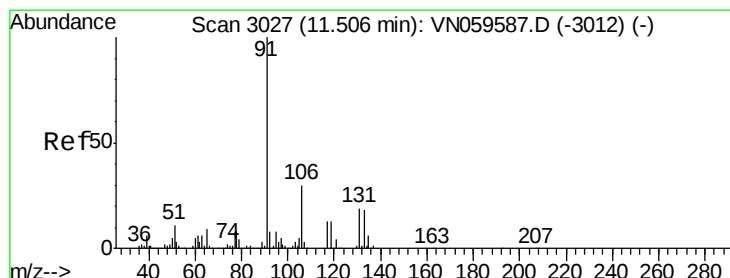
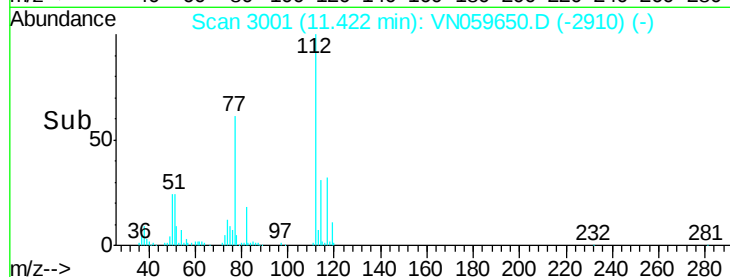
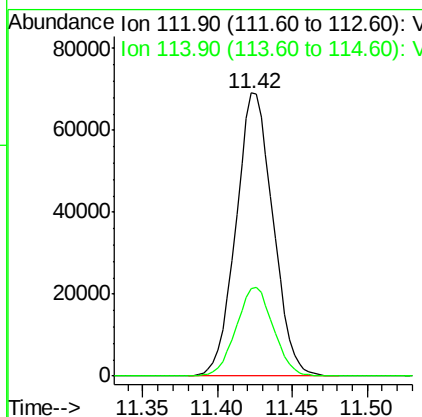
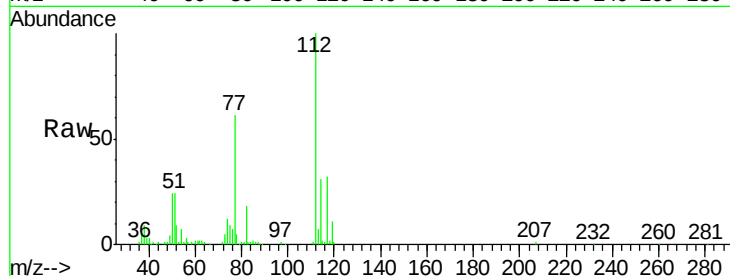
#65  
Chlorobenzene  
Concen: 18.016 ug/l  
RT: 11.42 min Scan# 3001  
Delta R.T. -0.01 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 30.8  | 25.8  | 38.8  |

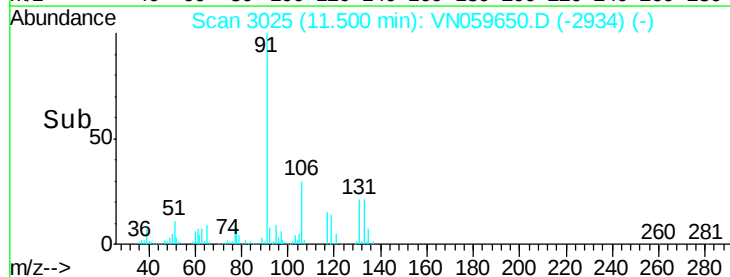
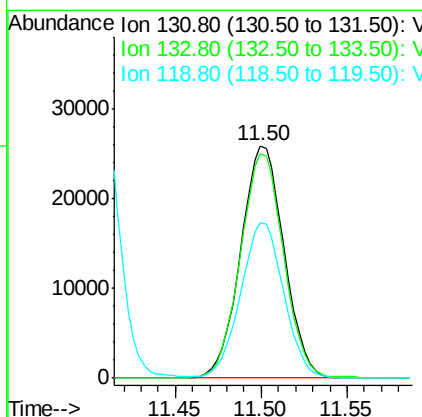
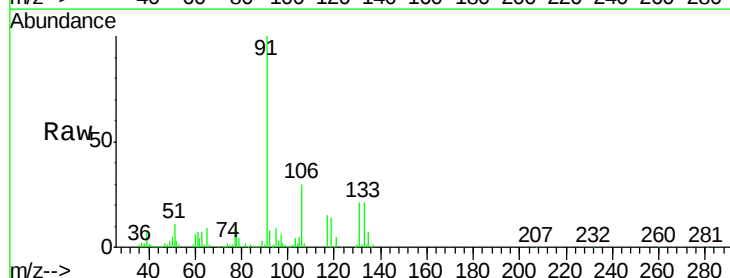
Manual Integrations  
APPROVED

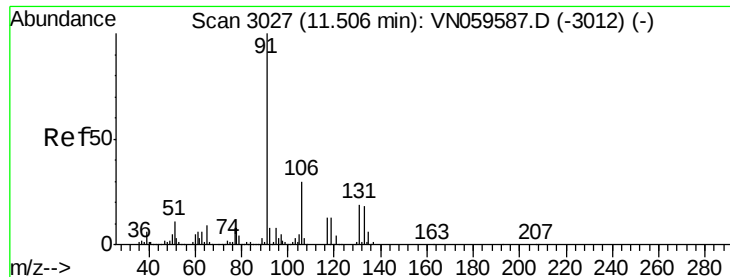
MMDadoda  
12/19/2019 11:11:50 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.037 ug/l  
RT: 11.50 min Scan# 3025  
Delta R.T. -0.01 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 96.4  | 47.4  | 142.2 |
| 119     | 66.6  | 33.1  | 99.3  |





#67

Ethyl Benzene

Concen: 17.754 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBS02

Tot Ion: 91 Resp: 211648

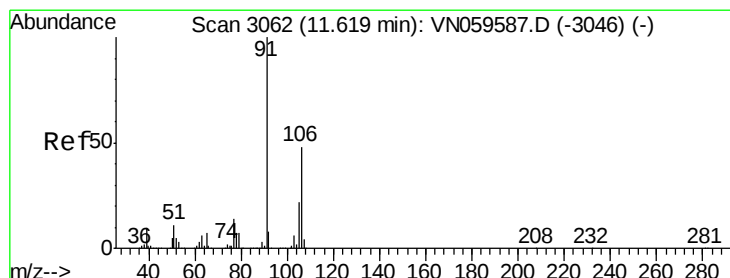
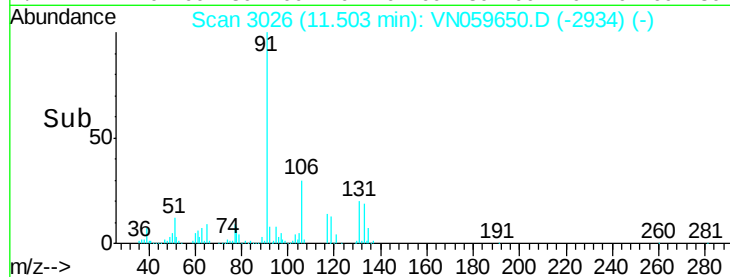
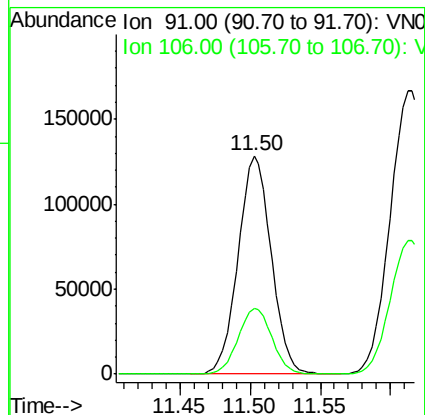
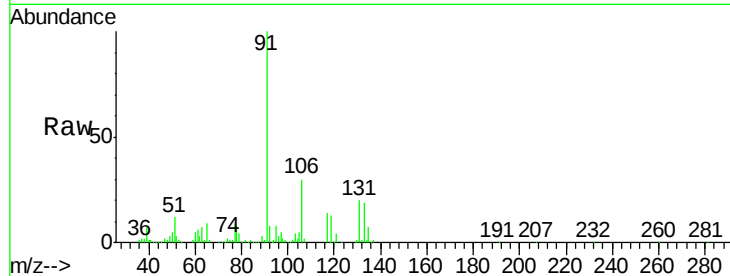
Ion Ratio Lower Upper

91 100

106 30.3 24.1 36.1

Manual Integrations  
APPROVED

MMDadoda  
12/19/2019 11:11:50 AM



#68

m/p-Xylenes

Concen: 35.302 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059650.D

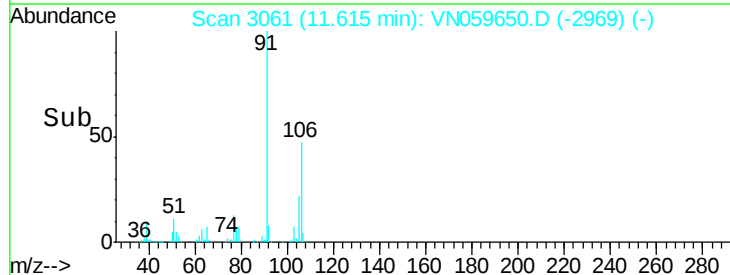
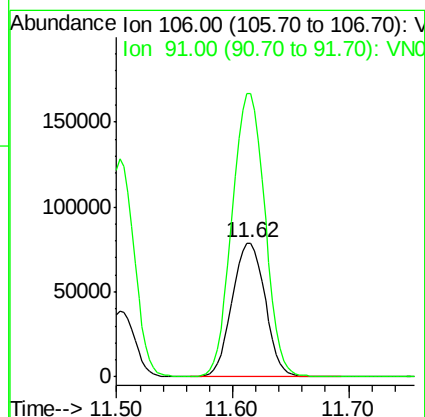
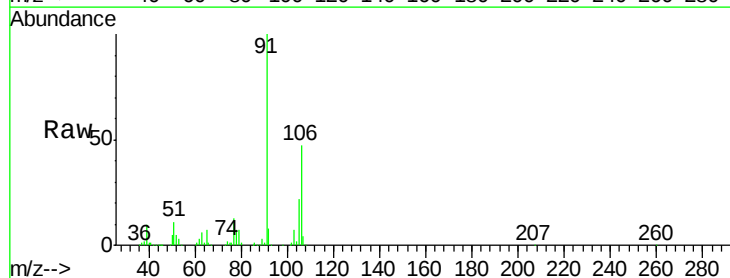
Acq: 18 Dec 2019 15:29

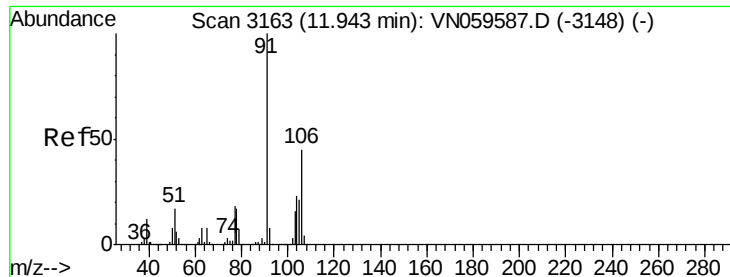
Tgt Ion: 106 Resp: 155404

Ion Ratio Lower Upper

106 100

91 209.9 167.9 251.9





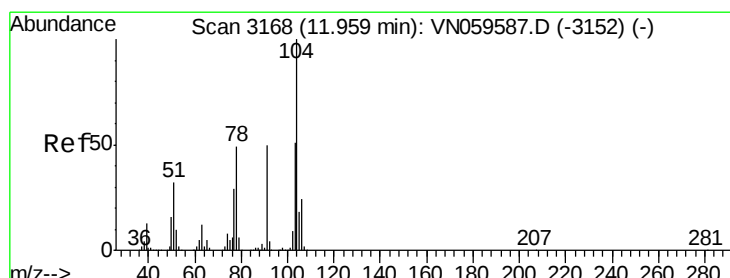
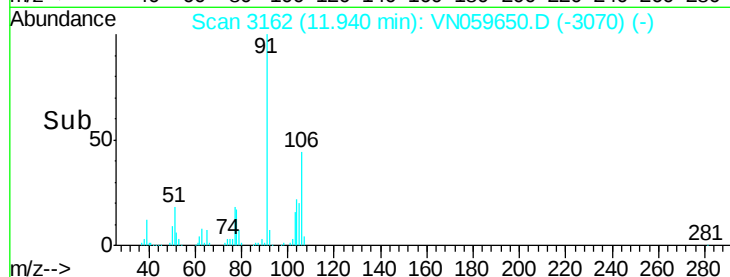
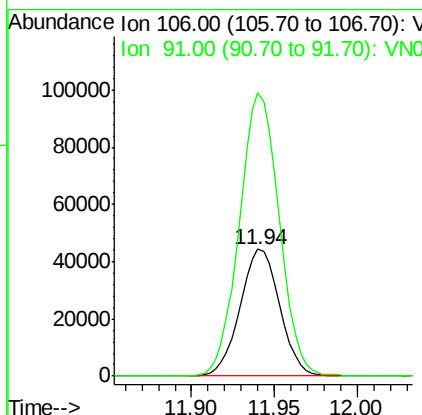
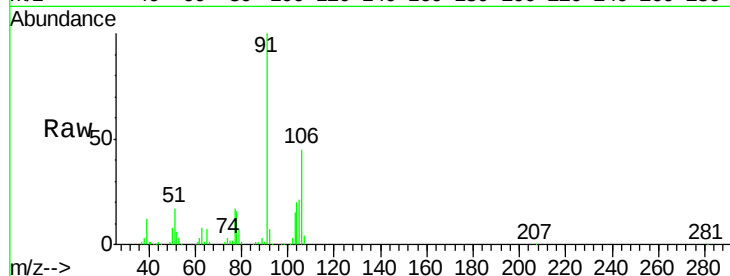
#69  
o-Xylene  
Concen: 17.600 ug/l  
RT: 11.94 min Scan# 3162  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBS02

Tot Ion:106 Resp: 73719  
Ion Ratio Lower Upper  
106 100  
91 224.6 110.3 330.9

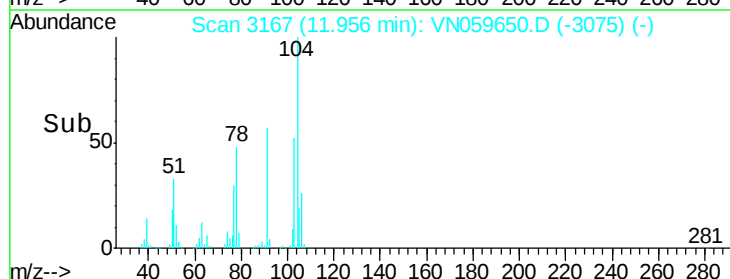
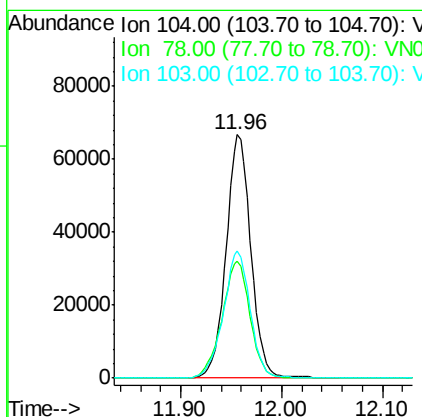
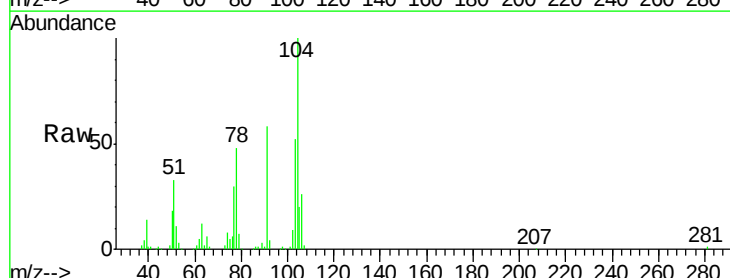
Manual Integrations  
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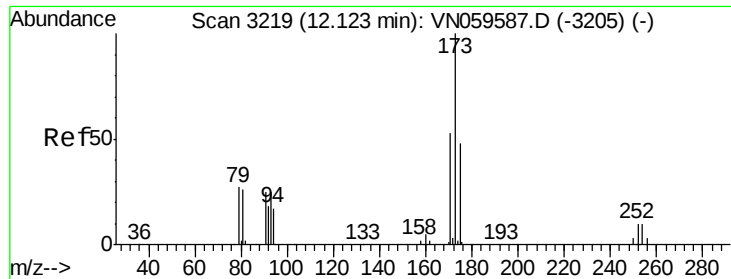
MMDadoda  
12/19/2019 11:11:50 AM



#70  
Styrene  
Concen: 17.024 ug/l  
RT: 11.96 min Scan# 3167  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Tgt Ion:104 Resp: 114572  
Ion Ratio Lower Upper  
104 100  
78 54.1 42.4 63.6  
103 56.7 43.9 65.9





#71

Bromoform

Concen: 17.780 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA\_N

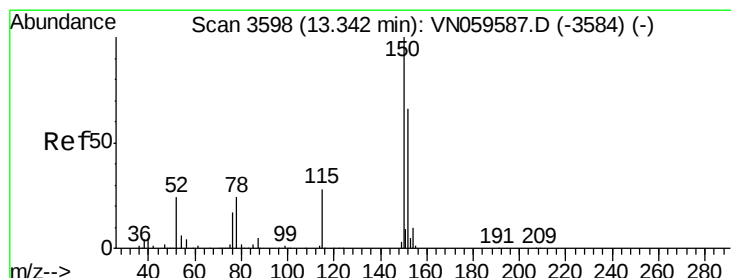
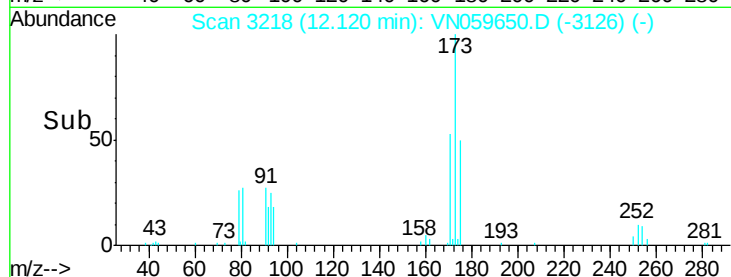
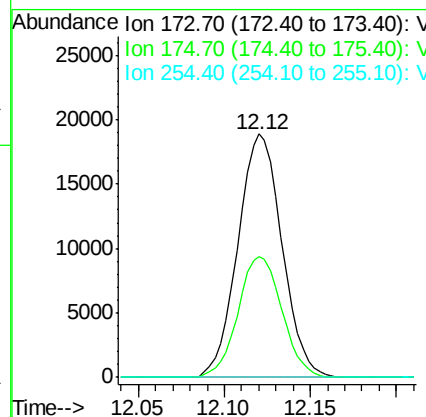
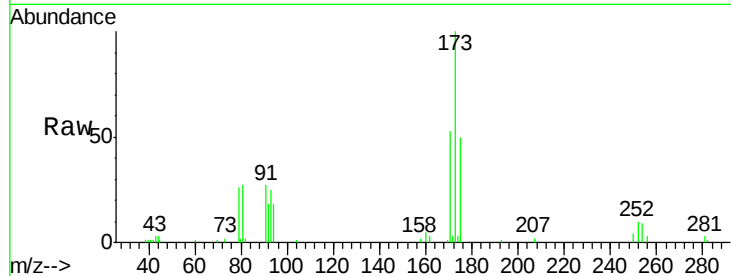
ClientSampleId :

VN1218WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.3  | 23.8  | 71.4  |
| 254     | 0.0   | 0.0   | 0.0   |

Manual Integrations  
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12/19/2019 11:11:50 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

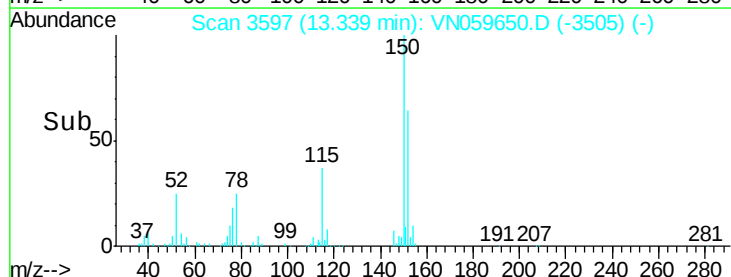
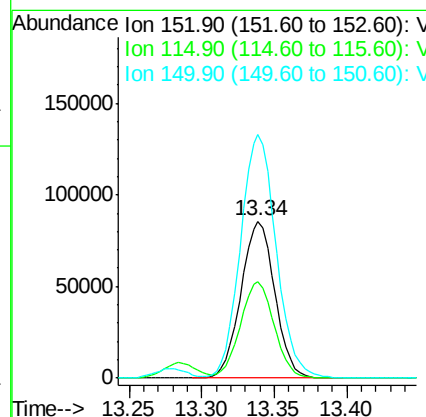
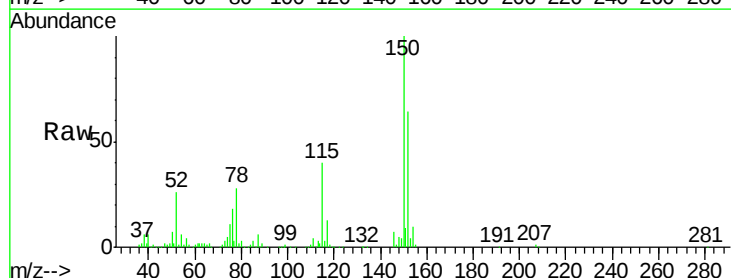
RT: 13.34 min Scan# 3597

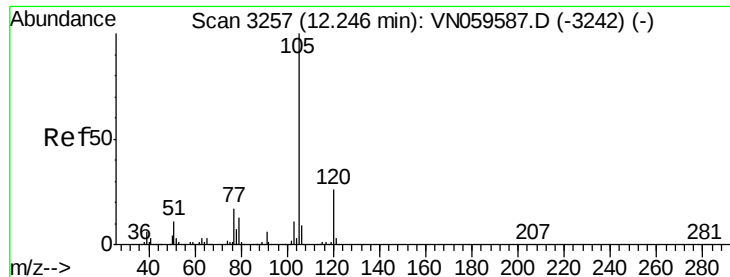
Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 61.6  | 30.3  | 90.9  |
| 150     | 164.0 | 0.0   | 345.2 |





#73

Isopropylbenzene

Concen: 18.454 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBS02

Tot Ion: 105 Resp: 201164

Ion Ratio Lower Upper

105 100

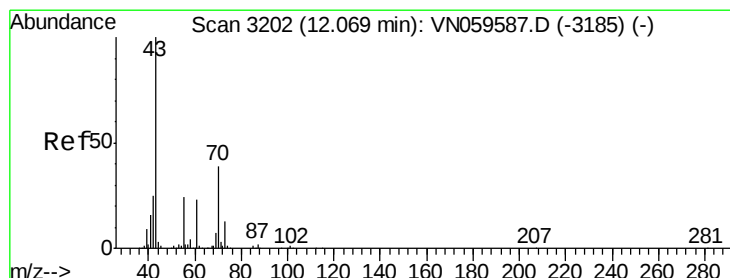
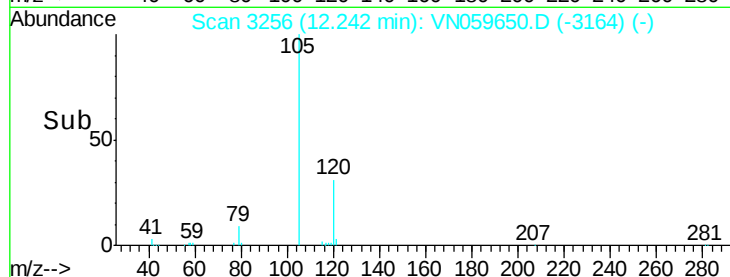
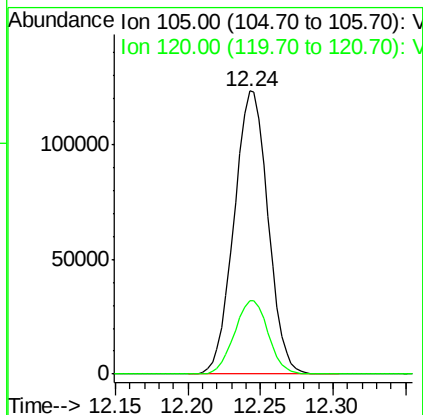
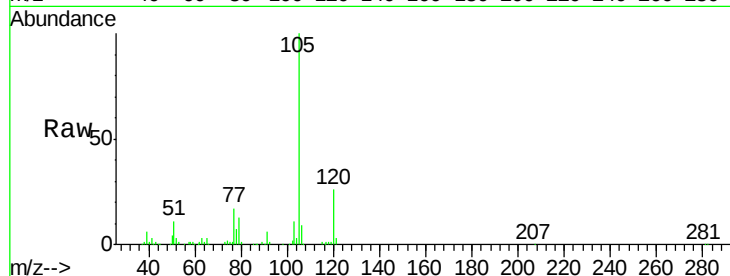
120 25.8 13.2 39.5

Manual Integrations

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MMDadoda

12/19/2019 11:11:50 AM



#74

N-ethyl acetate

Concen: 17.205 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.01 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Tgt Ion: 43 Resp: 86027

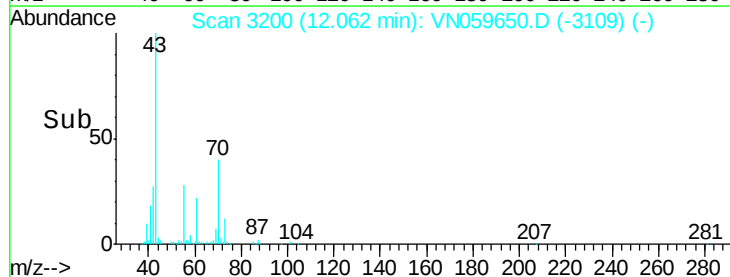
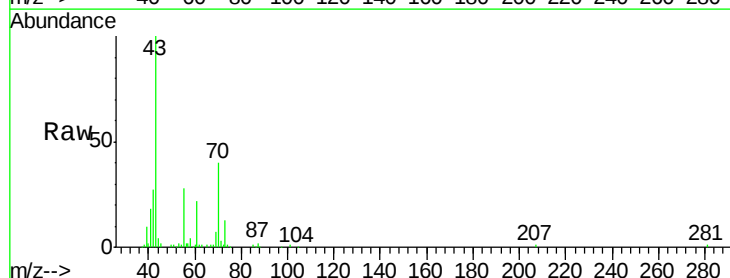
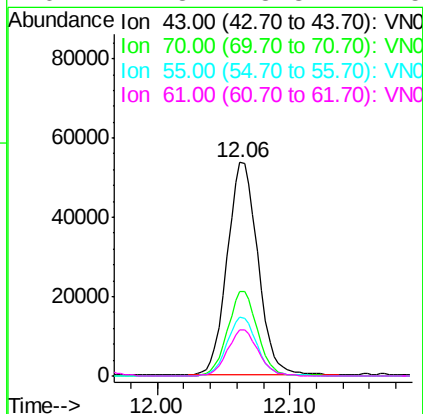
Ion Ratio Lower Upper

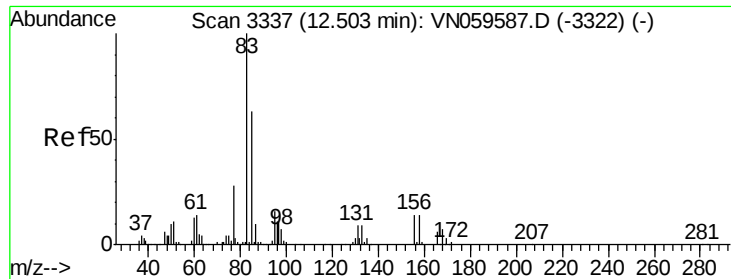
43 100

70 39.0 31.3 46.9

55 27.4 19.8 29.6

61 21.8 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.832 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA\_N

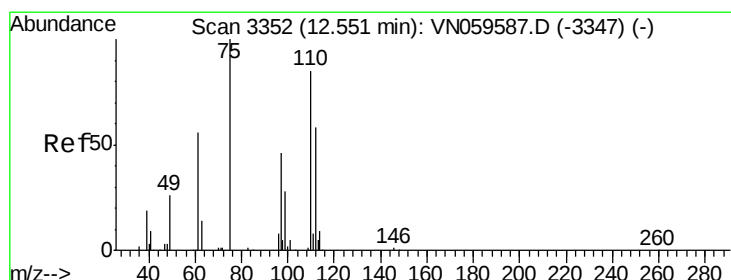
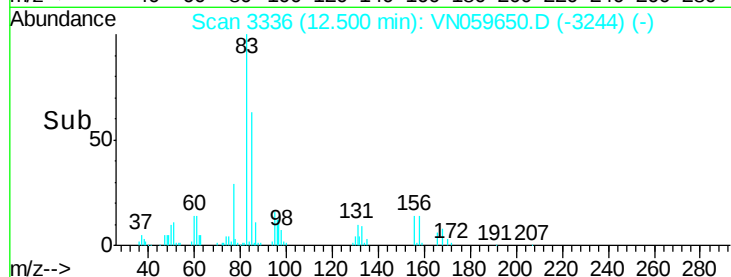
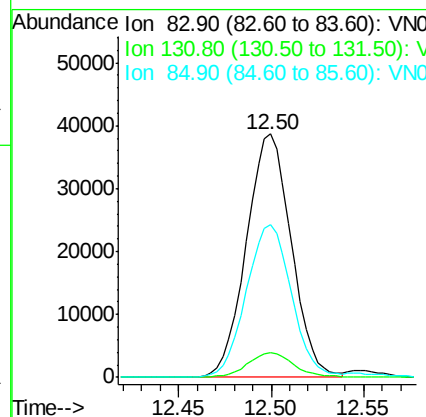
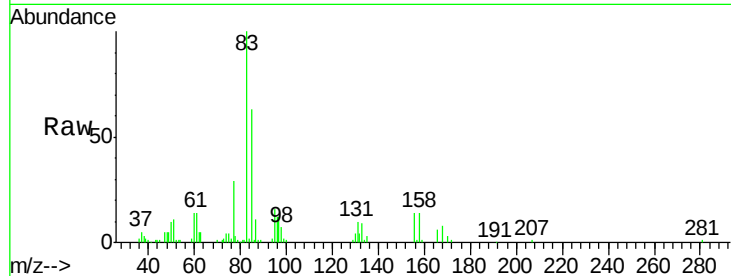
ClientSampleId :

VN1218WBS02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 65116 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.2  | 5.0   | 14.9  |
| 85        | 63.0  | 31.9  | 95.5  |

Manual Integrations  
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12/19/2019 11:11:50 AM



#76

1,2,3-Trichloropropane

Concen: 19.031 ug/l m

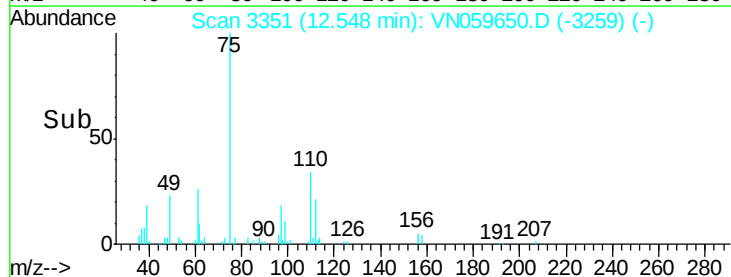
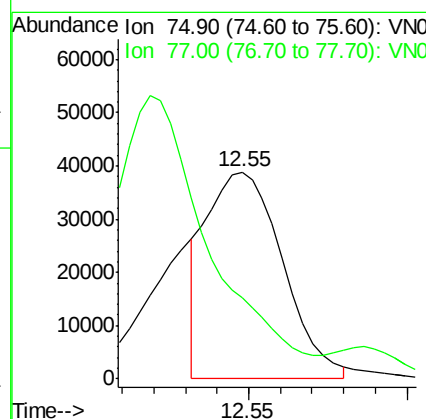
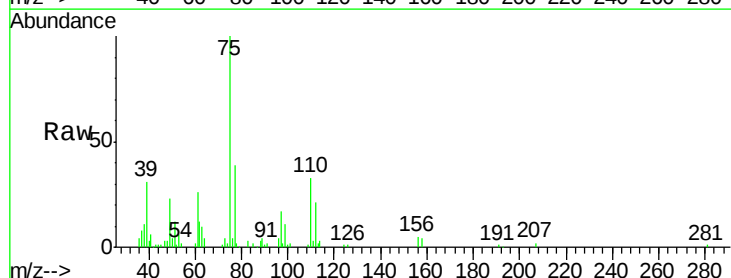
RT: 12.55 min Scan# 3351

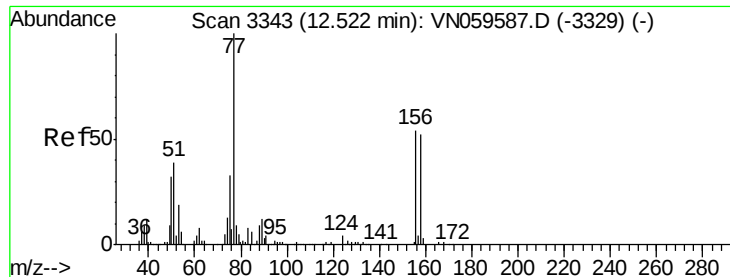
Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 65421 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 18.177 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBS02

Tot Ion:156 Resp: 48728

Ion Ratio Lower Upper

156 100

77 232.2 115.8 347.4

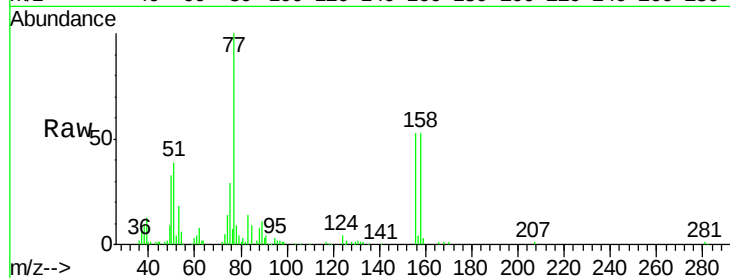
158 97.0 49.2 147.6

Manual Integrations

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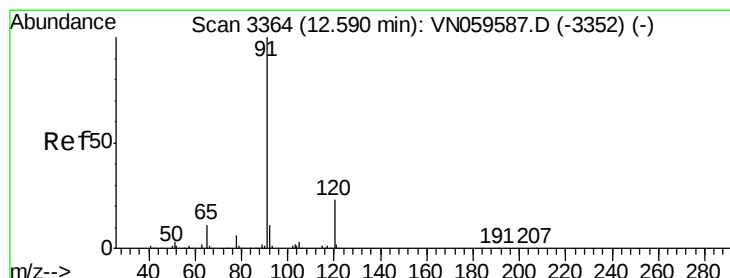
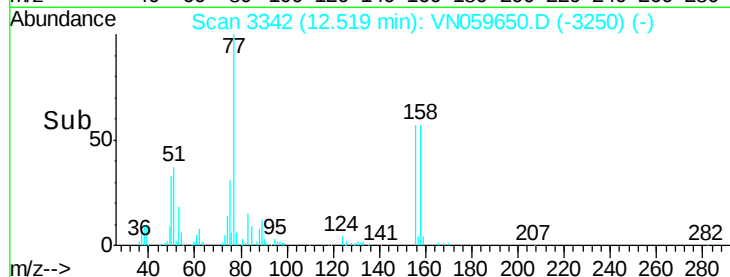
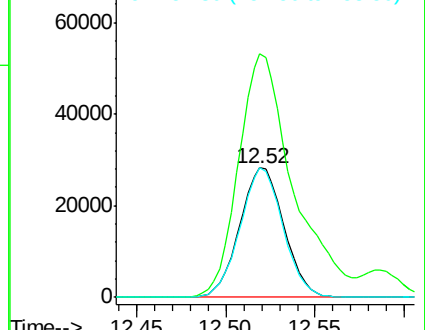
12/19/2019 11:11:50 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.198 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059650.D

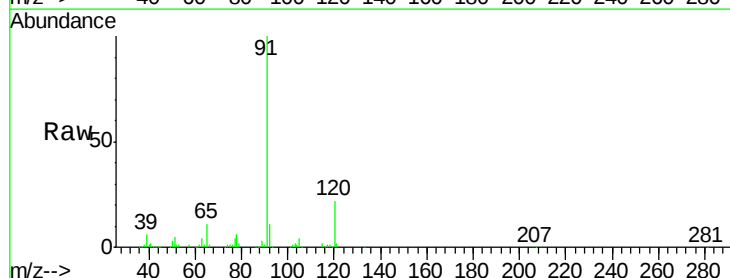
Acq: 18 Dec 2019 15:29

Tgt Ion: 91 Resp: 234485

Ion Ratio Lower Upper

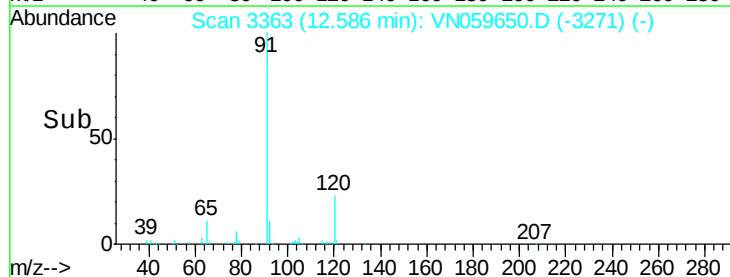
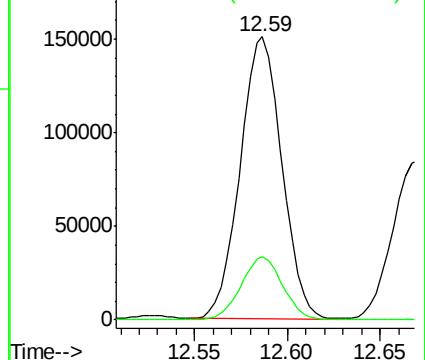
91 100

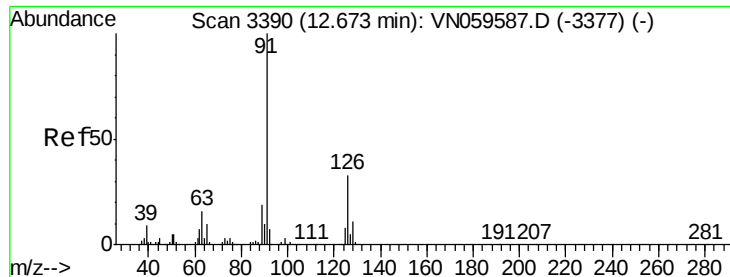
120 22.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.986 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBS02

Tot Ion: 91 Resp: 140137

Ion Ratio Lower Upper

91 100

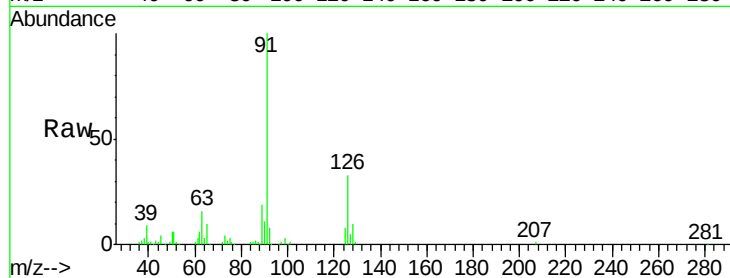
126 32.8 16.3 48.9

Manual Integrations

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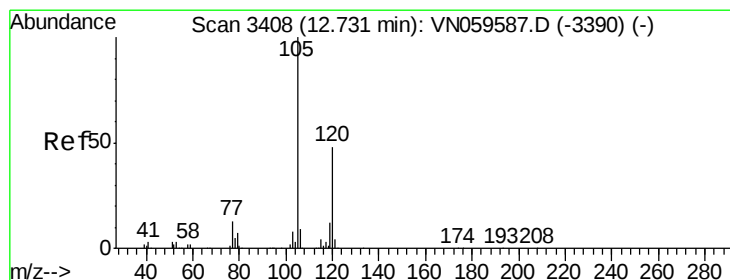
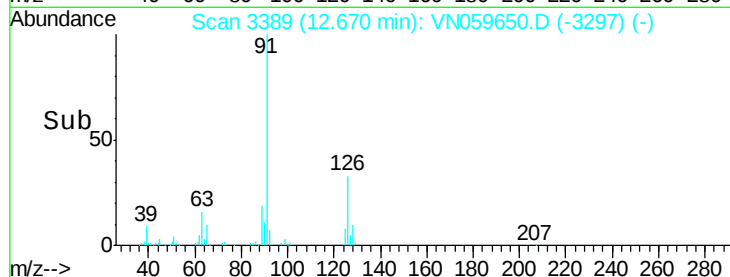
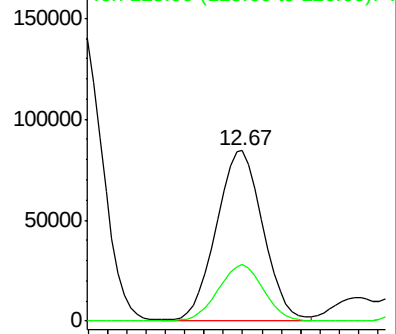
MMDadoda

12/19/2019 11:11:50 AM



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.180 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN059650.D

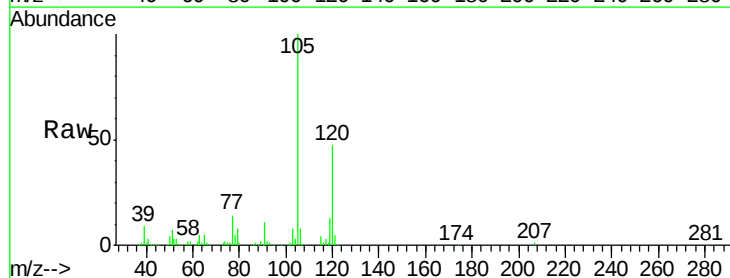
Acq: 18 Dec 2019 15:29

Tgt Ion:105 Resp: 167700

Ion Ratio Lower Upper

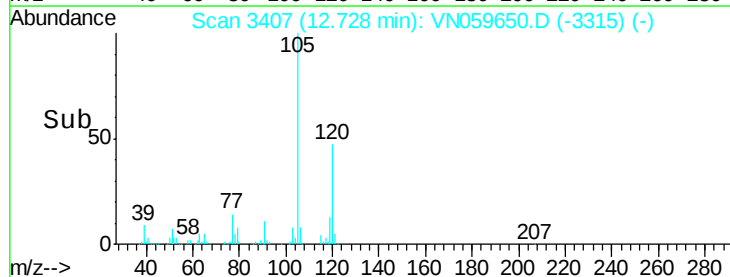
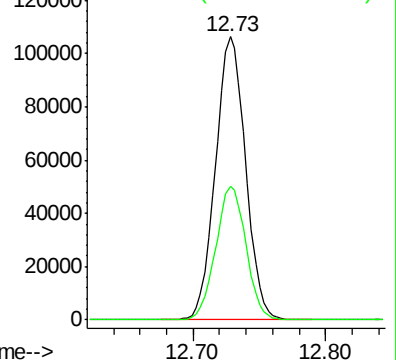
105 100

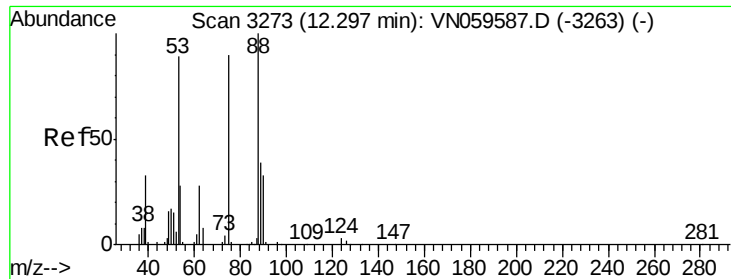
120 47.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





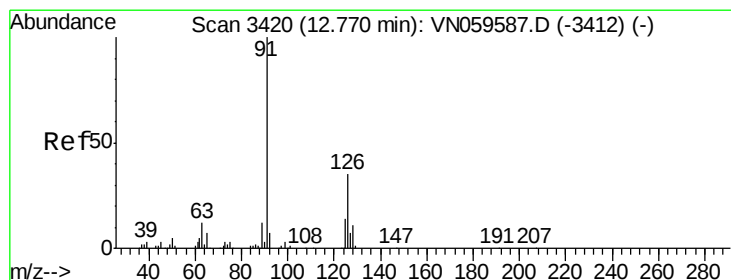
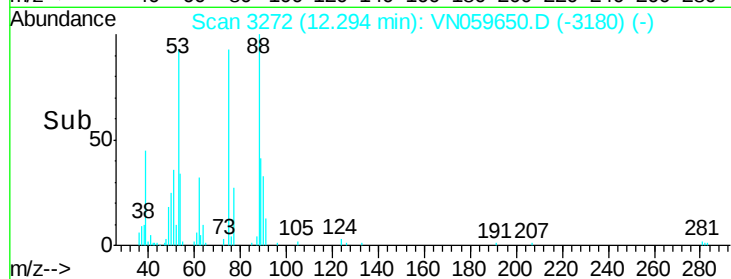
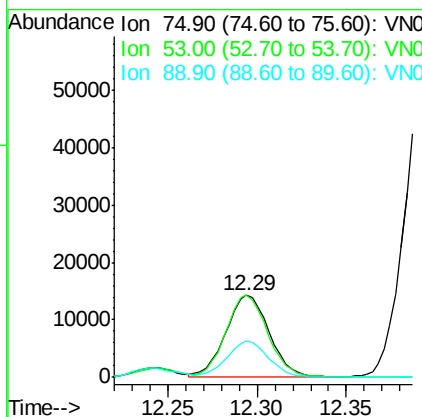
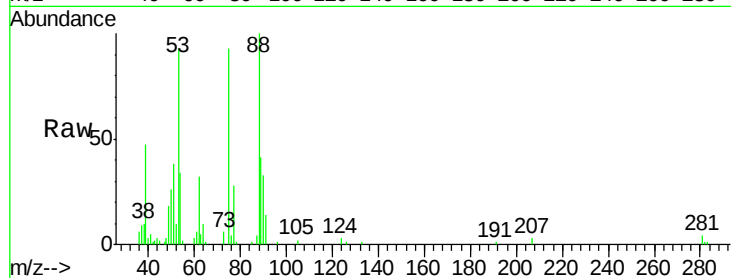
#81  
trans-1,4-Dichloro-2-butene  
Concen: 17.545 ug/l  
RT: 12.29 min Scan# 3272  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 96.7  | 78.1  | 117.1 |
| 89      | 42.3  | 35.4  | 53.2  |

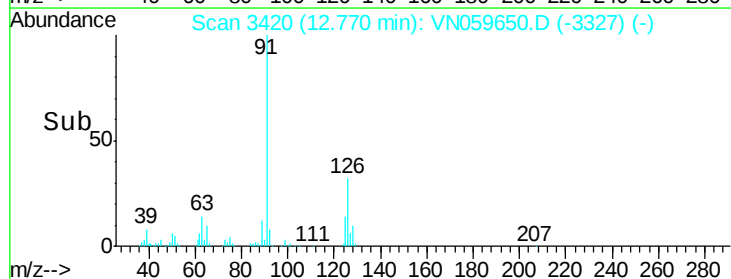
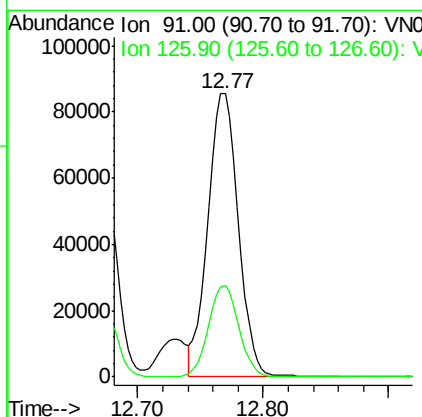
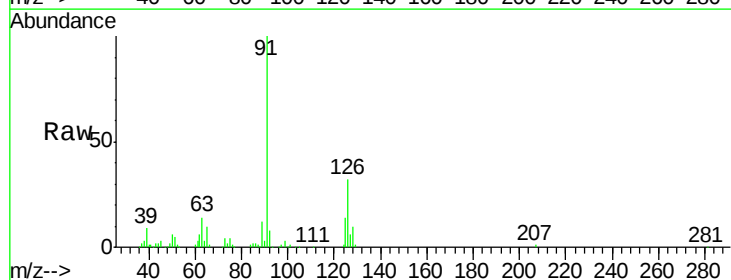
Manual Integrations  
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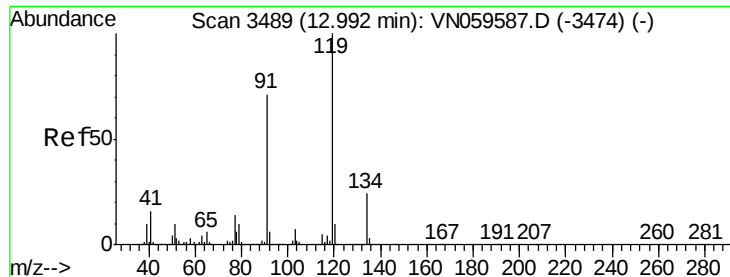
MMDadoda  
12/19/2019 11:11:50 AM



#82  
4-Chlorotoluene  
Concen: 18.112 ug/l  
RT: 12.77 min Scan# 3420  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.0  | 16.3  | 48.8  |





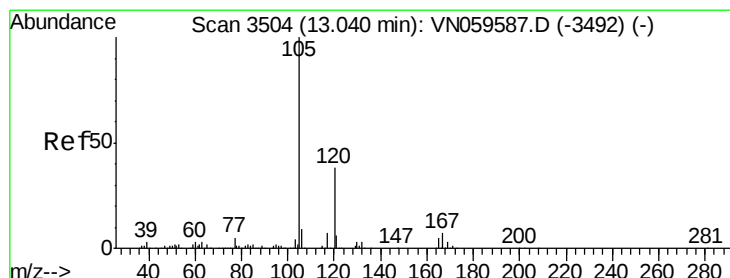
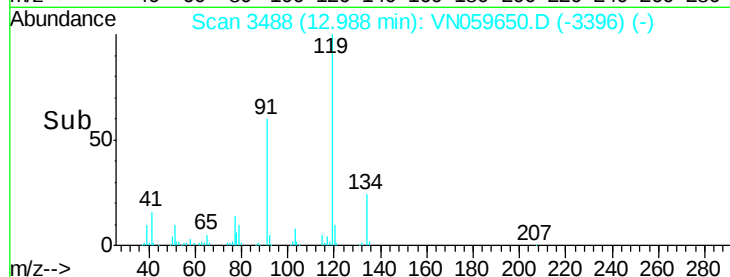
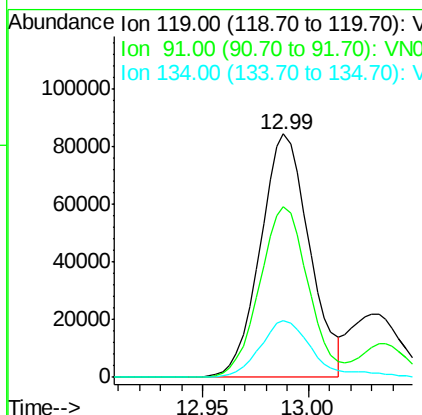
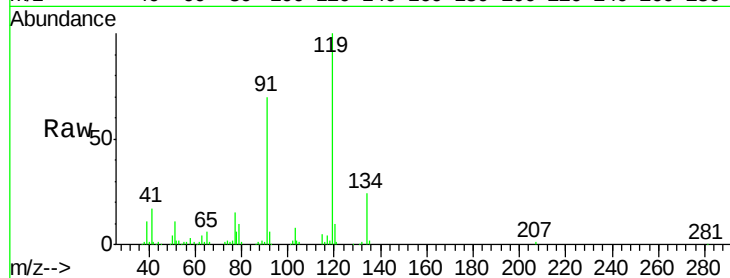
#83  
 tert-Butylbenzene  
 Concen: 17.538 ug/l  
 RT: 12.99 min Scan# 3488  
 Delta R.T. -0.00 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1218WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 69.6  | 34.8  | 104.4 |
| 134     | 25.4  | 12.3  | 36.9  |

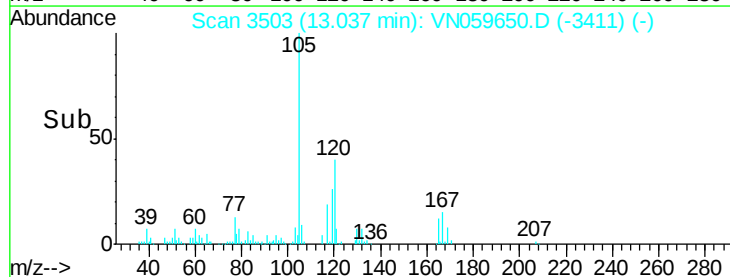
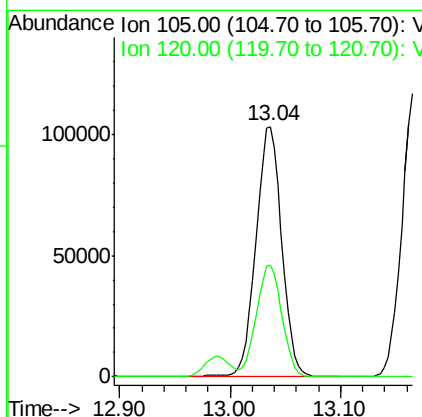
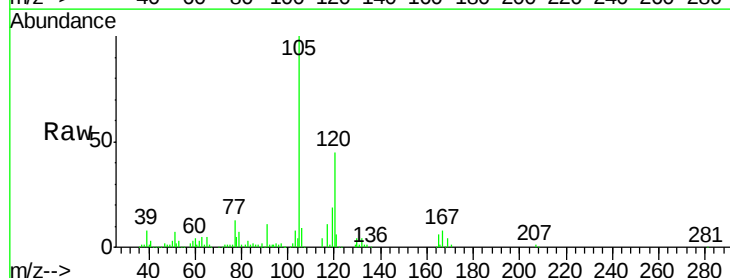
Manual Integrations  
 APPROVED

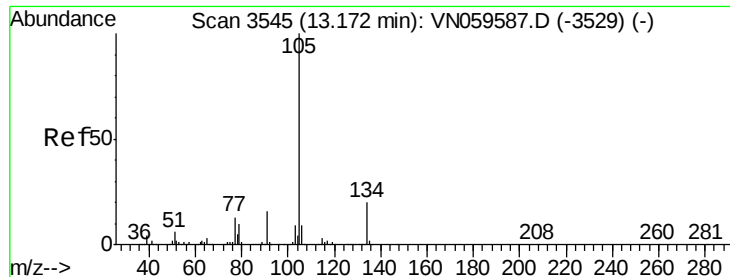
MMDadoda  
 12/19/2019 11:11:50 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 18.247 ug/l  
 RT: 13.04 min Scan# 3503  
 Delta R.T. -0.00 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.4  | 22.3  | 66.9  |





#85

sec-Butylbenzene

Concen: 18.191 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBS02

Tot Ion:105 Resp: 189032

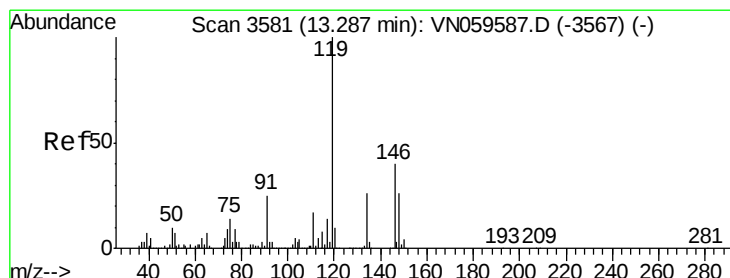
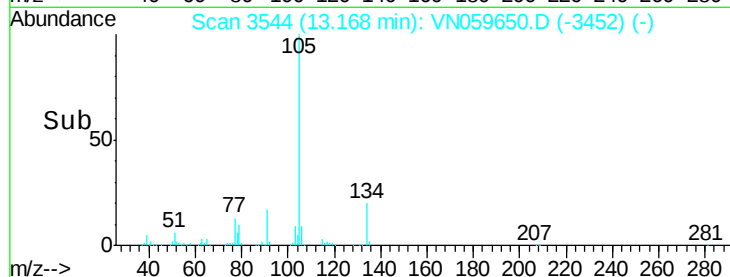
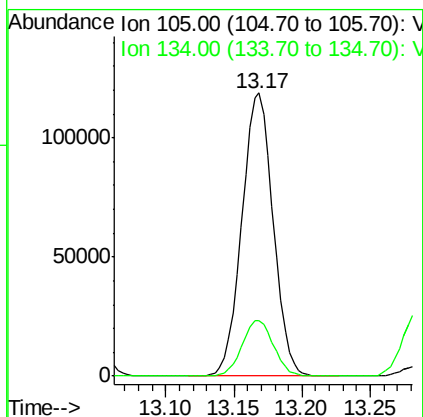
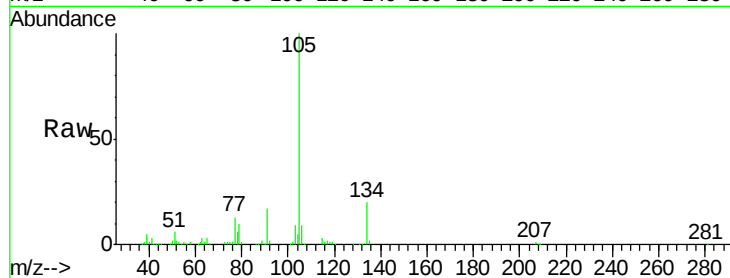
Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.5

Manual Integrations  
APPROVED

MMDadoda  
12/19/2019 11:11:50 AM



#86

p-Isopropyltoluene

Concen: 17.832 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

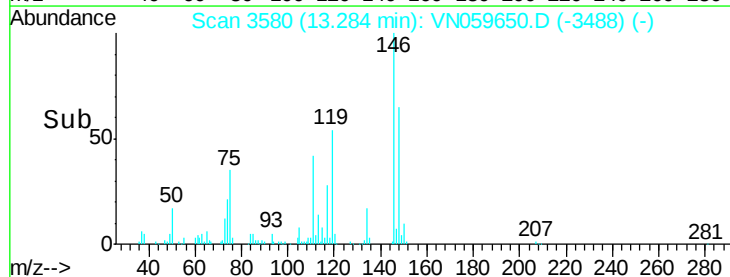
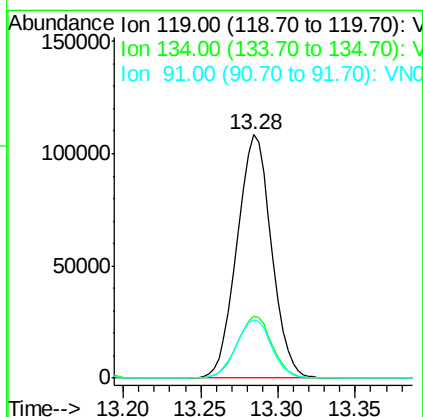
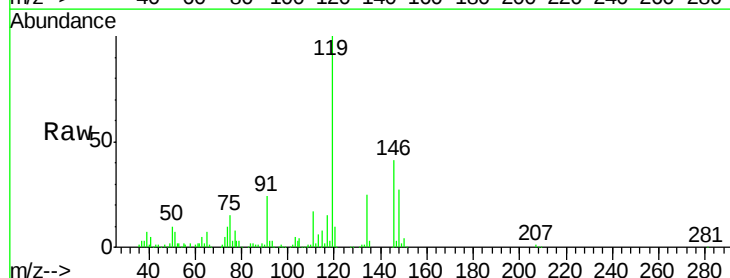
Tgt Ion:119 Resp: 167831

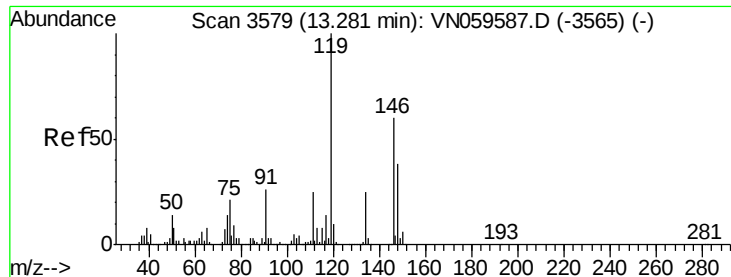
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 24.8 12.4 37.4





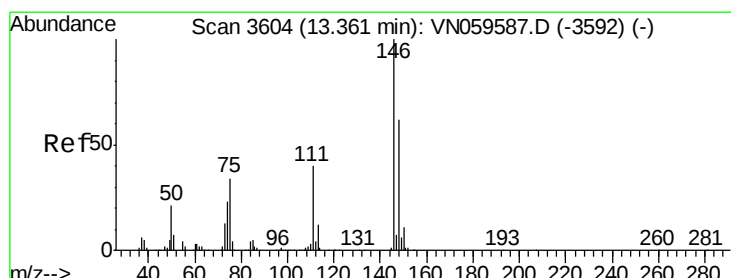
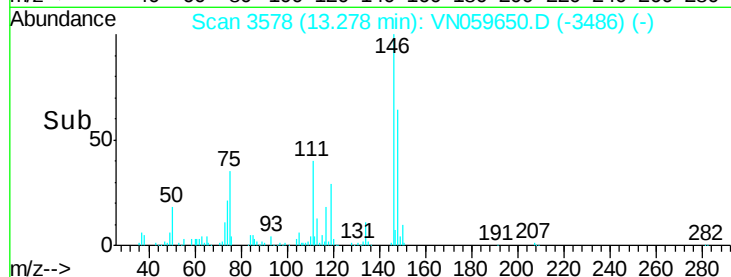
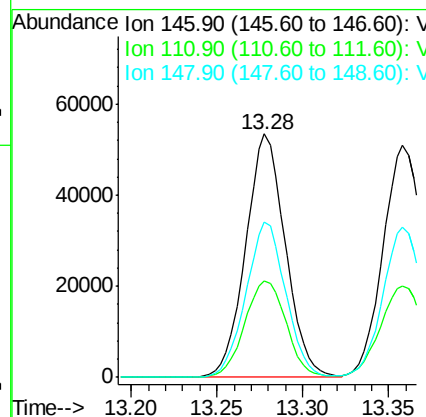
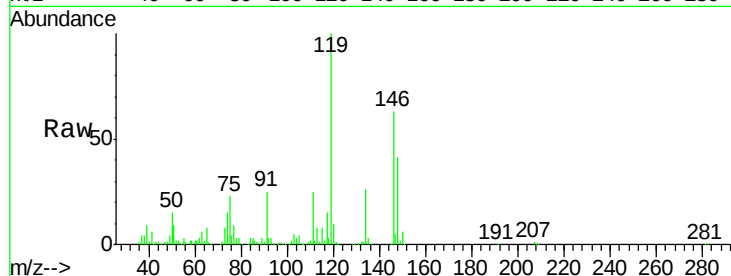
#87  
 1,3-Dichlorobenzene  
 Concen: 17.336 ug/l  
 RT: 13.28 min Scan# 3578  
 Delta R.T. -0.00 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1218WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.4  | 20.8  | 62.2  |
| 148     | 64.0  | 32.0  | 96.0  |

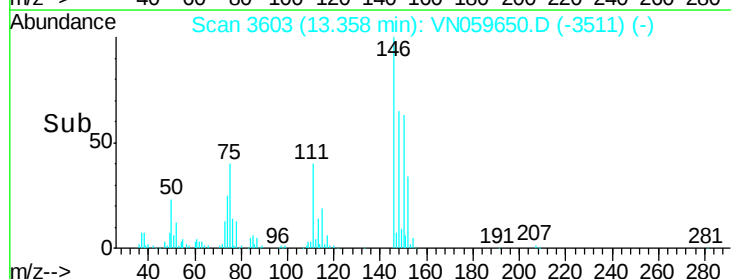
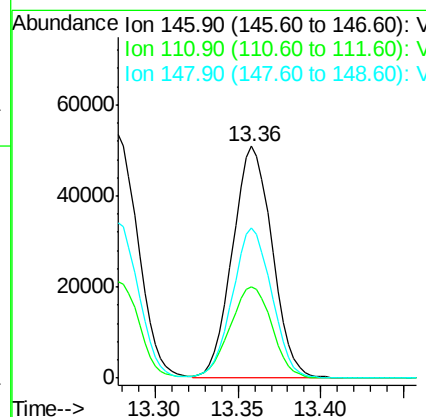
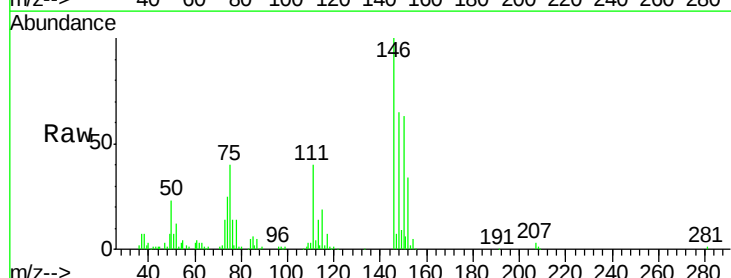
Manual Integrations  
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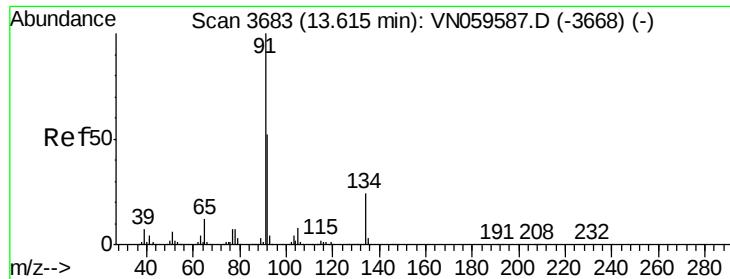
MMDadoda  
 12/19/2019 11:11:50 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 17.063 ug/l  
 RT: 13.36 min Scan# 3603  
 Delta R.T. -0.00 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.8  | 20.8  | 62.2  |
| 148     | 64.6  | 31.8  | 95.4  |





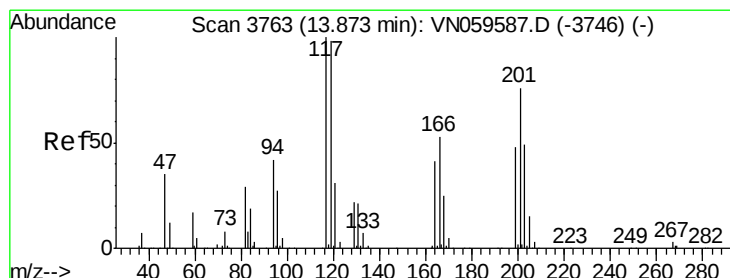
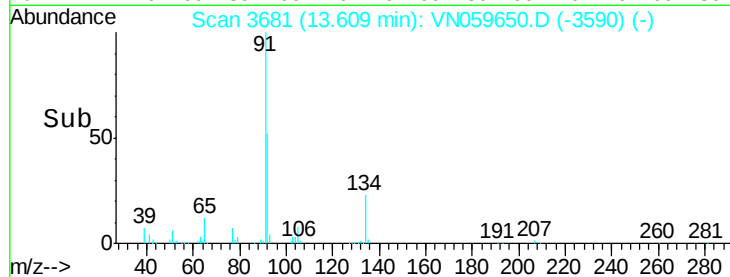
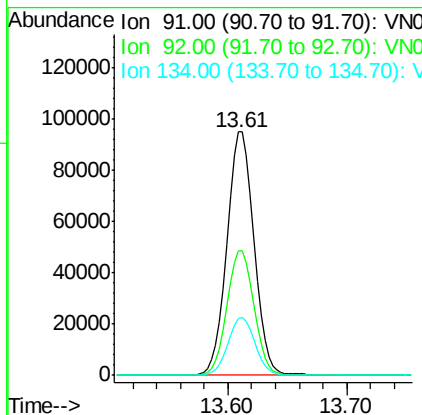
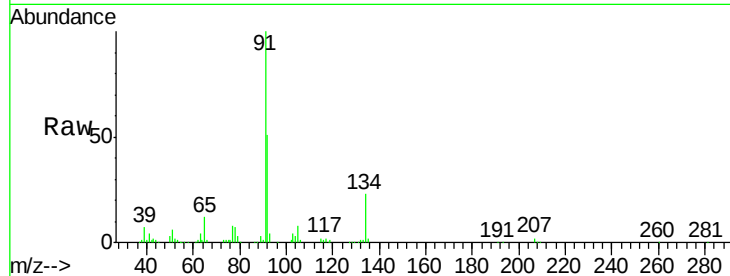
#89  
n-Butylbenzene  
Concen: 17.024 ug/l  
RT: 13.61 min Scan# 3681  
Delta R.T. -0.01 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.1  | 25.9  | 77.7  |
| 134     | 23.6  | 12.3  | 36.8  |

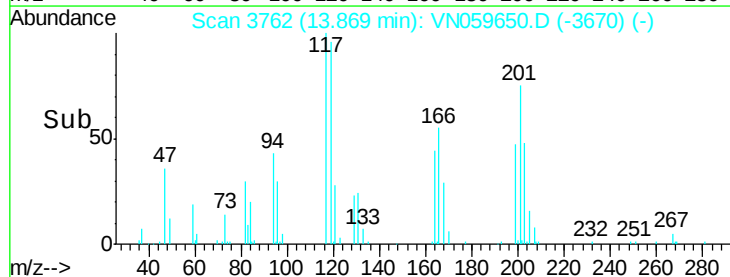
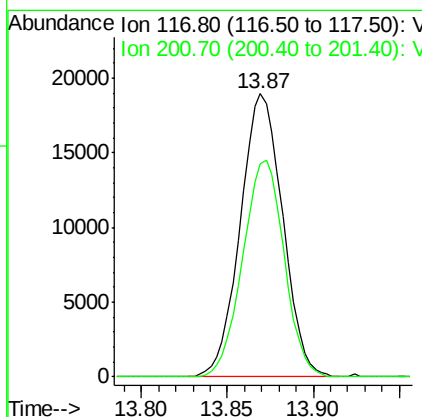
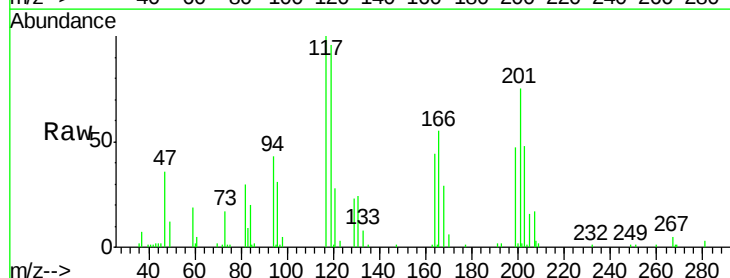
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#90  
Hexachloroethane  
Concen: 18.196 ug/l  
RT: 13.87 min Scan# 3762  
Delta R.T. -0.00 min  
Lab File: VN059650.D  
Acq: 18 Dec 2019 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 74.7  | 37.8  | 113.4 |





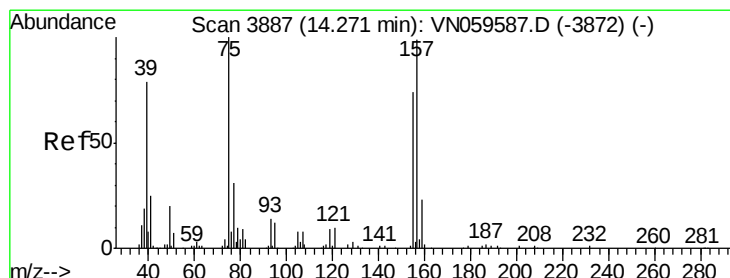
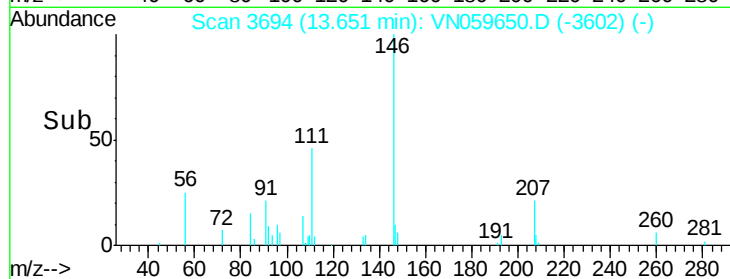
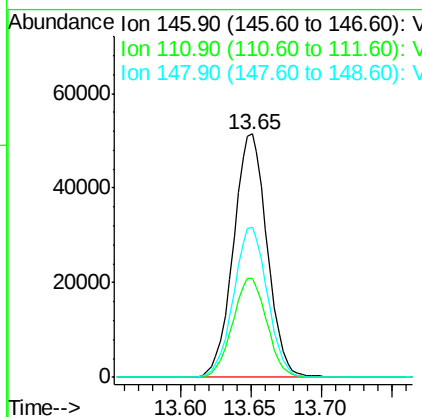
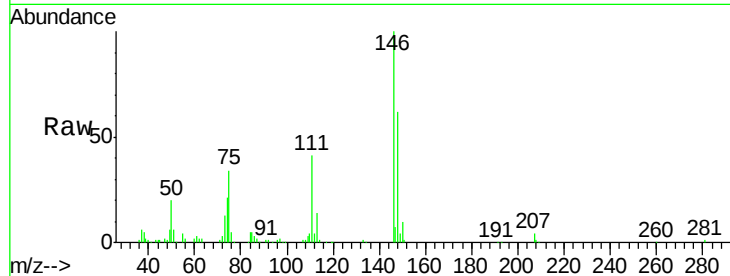
#91  
 1,2-Dichlorobenzene  
 Concen: 17.695 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. -0.00 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1218WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.1  | 21.6  | 64.8  |
| 148     | 62.0  | 31.6  | 95.0  |

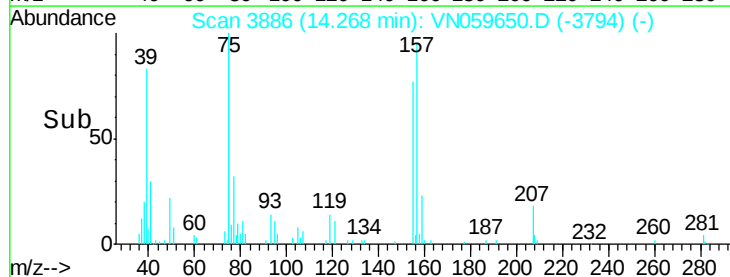
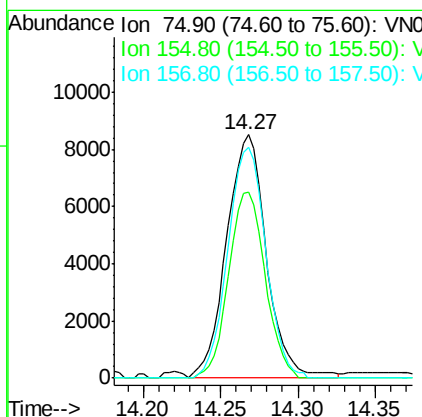
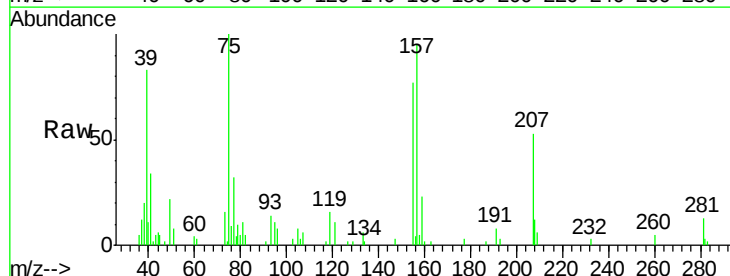
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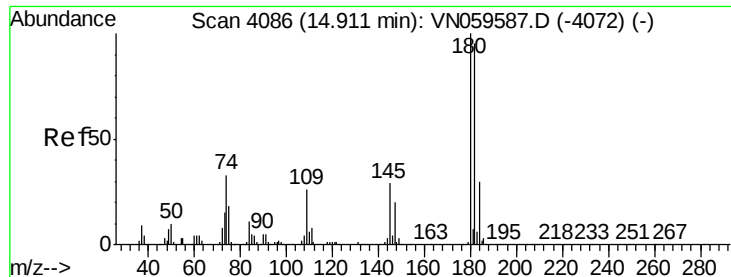
MMDadoda  
 12/19/2019 11:11:50 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 16.845 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. -0.00 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 70.1  | 37.0  | 110.9 |
| 157     | 90.2  | 48.4  | 145.2 |





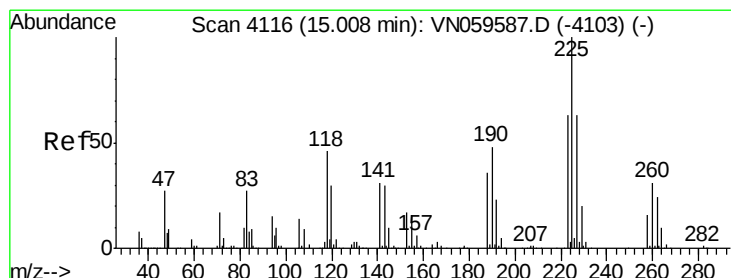
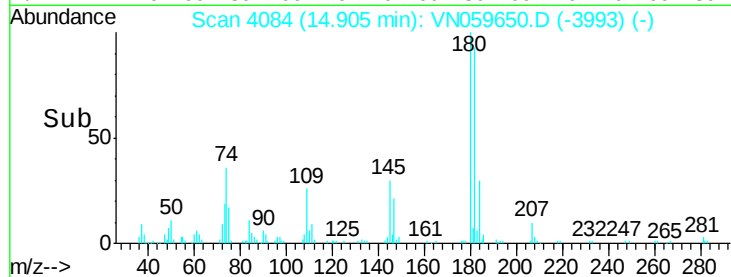
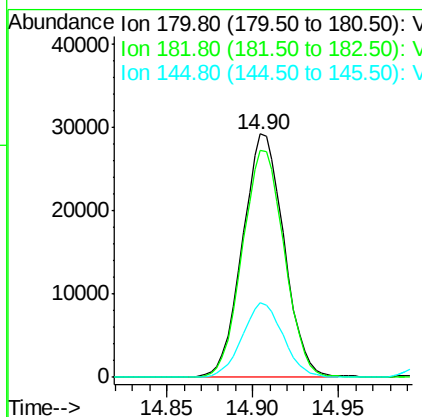
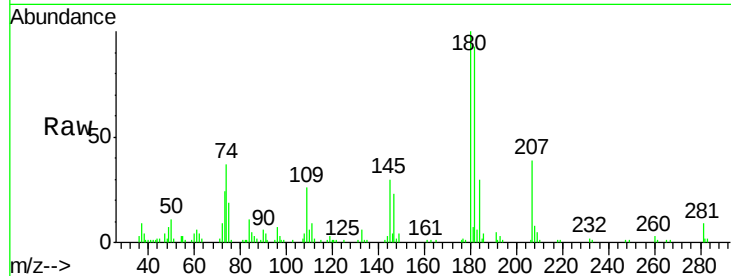
#93  
 1,2,4-Trichlorobenzene  
 Concen: 15.561 ug/l  
 RT: 14.90 min Scan# 4084  
 Delta R.T. -0.01 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1218WBS02

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 48849 |       |       |
| 182     | 94.2  | 46.9  | 140.7 |       |
| 145     | 30.2  | 15.0  | 45.1  |       |

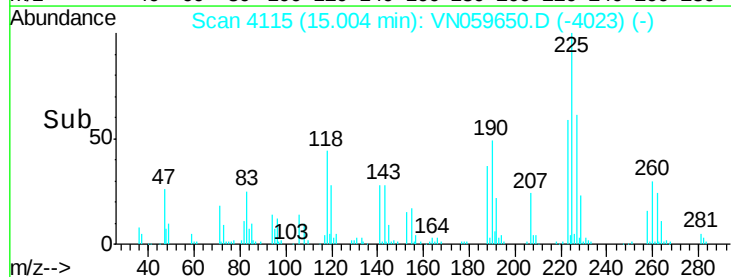
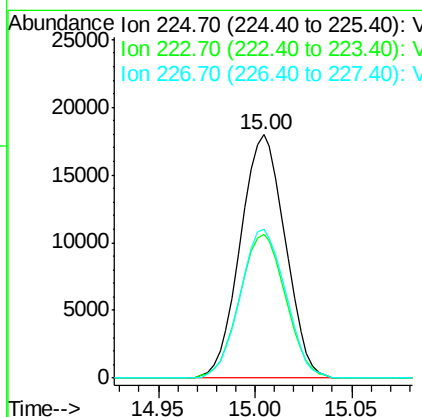
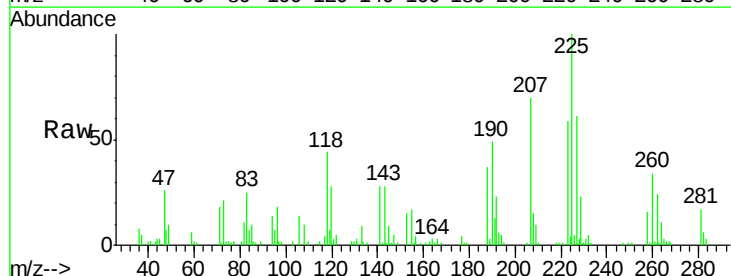
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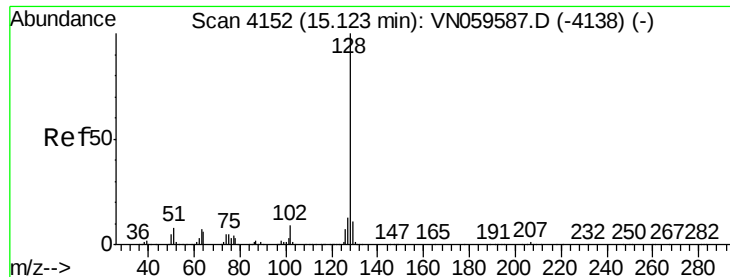
MMDadoda  
 12/19/2019 11:11:50 AM



#94  
 Hexachlorobutadiene  
 Concen: 18.110 ug/l  
 RT: 15.00 min Scan# 4115  
 Delta R.T. -0.00 min  
 Lab File: VN059650.D  
 Acq: 18 Dec 2019 15:29

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 29050 |       |       |
| 223     | 60.6  | 31.8  | 95.3  |       |
| 227     | 62.1  | 32.1  | 96.5  |       |





#95

Naphthalene

Concen: 14.903 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA\_N

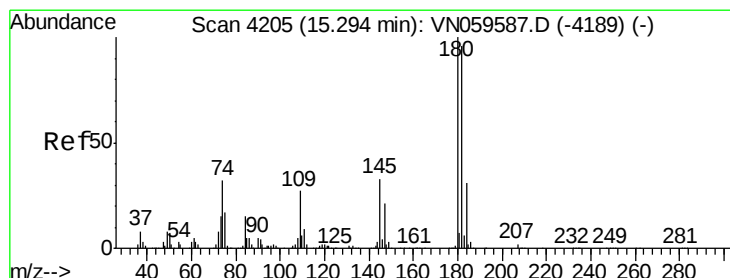
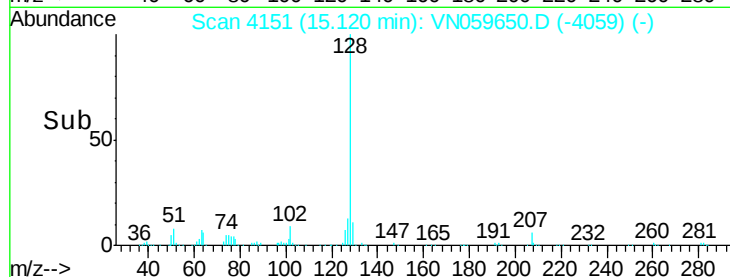
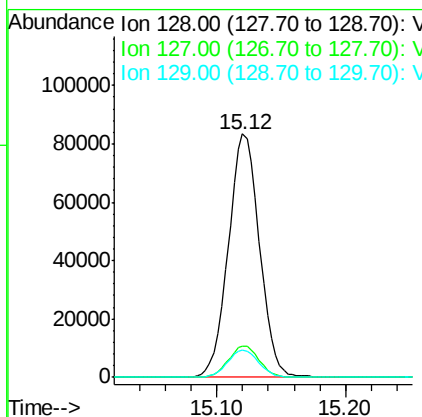
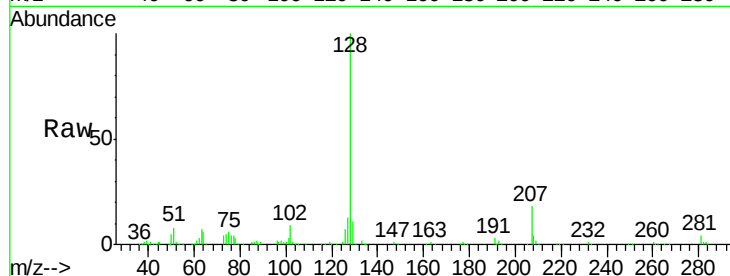
ClientSampleId :

VN1218WBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 139666 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.7  | 10.4  | 15.6   |
| 129       | 11.1  | 8.6   | 12.8   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 15.535 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. -0.01 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 49325 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.0  | 47.4  | 142.3 |
| 145       | 32.4  | 16.3  | 48.9  |

