

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111319\  
 Data File : VN059209.D  
 Acq On : 13 Nov 2019 10:28  
 Operator : JC/SP  
 Sample : VN1113WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1113WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 11/14/2019 10:00:16 AM

Quant Time: Nov 14 08:05:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110619W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 07 04:00:41 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 399668   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 620851   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 556179   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 252758   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 235308   | 47.90 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.80% |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 185097   | 49.93 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.86% |      |
| 50) Toluene-d8            | 10.08  | 98  | 699156   | 47.88 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.76% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 248826   | 47.26 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.52% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 74625   | 18.532  | ug/l | 99     |
| 3) Chloromethane              | 2.04 | 50  | 97596   | 17.830  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.17 | 62  | 101589  | 19.143  | ug/l | 100    |
| 5) Bromomethane               | 2.54 | 94  | 59640   | 19.529  | ug/l | 92     |
| 6) Chloroethane               | 2.68 | 64  | 60004   | 19.114  | ug/l | 95     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 126026  | 19.854  | ug/l | 99     |
| 8) Diethyl Ether              | 3.39 | 74  | 49936   | 19.361  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 77348   | 20.210  | ug/l | 99     |
| 10) Methyl Iodide             | 3.93 | 142 | 92157   | 19.453  | ug/l | 98     |
| 11) Tert butyl alcohol        | 4.75 | 59  | 88511   | 94.533  | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 71139   | 19.081  | ug/l | 96     |
| 13) Acrolein                  | 3.58 | 56  | 29756   | 61.640  | ug/l | 98     |
| 14) Allyl chloride            | 4.29 | 41  | 143354  | 18.719  | ug/l | 99     |
| 15) Acrylonitrile             | 4.95 | 53  | 229903  | 98.665  | ug/l | 99     |
| 16) Acetone                   | 3.79 | 43  | 247608  | 96.918  | ug/l | 100    |
| 17) Carbon Disulfide          | 4.03 | 76  | 200899  | 17.359  | ug/l | 99     |
| 18) Methyl Acetate            | 4.29 | 43  | 123722  | 20.402  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.01 | 73  | 259807  | 20.241  | ug/l | 99     |
| 20) Methylene Chloride        | 4.52 | 84  | 86666   | 19.472  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 76594   | 19.139  | ug/l | 97     |
| 22) Diisopropyl ether         | 5.92 | 45  | 292183  | 20.199  | ug/l | 94     |
| 23) Vinyl Acetate             | 5.87 | 43  | 1174645 | 104.776 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 163371  | 20.221  | ug/l | 100    |
| 25) 2-Butanone                | 6.81 | 43  | 329555  | 97.875  | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 6.80 | 77  | 136876  | 19.375  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 91661   | 19.742  | ug/l | 99     |
| 28) Bromochloromethane        | 7.17 | 49  | 49773   | 20.477  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.18 | 42  | 210990  | 98.618  | ug/l | 100    |
| 30) Chloroform                | 7.35 | 83  | 157050  | 20.264  | ug/l | 97     |
| 31) Cyclohexane               | 7.63 | 56  | 140194  | 18.329  | ug/l | 96     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 130982  | 20.101  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 113938  | 19.634  | ug/l | 100    |
| 37) Ethyl Acetate             | 6.90 | 43  | 130152  | 20.160  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 113767  | 19.697  | ug/l | 98     |

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 MSVOA\_N  
 ClientSampleID :  
 VN1113WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 11/14/2019 10:00:16 AM

Quant Time: Nov 14 08:05:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110619W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 07 04:00:41 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.06  | 83   | 127840   | 18.981  | ug/l   | 97       |
| 40) Benzene                    | 8.02  | 78   | 346642   | 19.836  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.15  | 41   | 60833    | 21.670  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 122678   | 20.468  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.14  | 43   | 199072   | 19.342  | ug/l   | 99       |
| 44) Trichloroethene            | 8.82  | 130  | 86649    | 20.171  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 96716    | 20.376  | ug/l   | 99       |
| 46) Dibromomethane             | 9.19  | 93   | 58803    | 19.880  | ug/l   | 100      |
| 47) Bromodichloromethane       | 9.39  | 83   | 121763   | 20.616  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.18  | 41   | 87997    | 19.115  | ug/l   | 100      |
| 49) 1,4-Dioxane                | 9.18  | 88   | 30440    | 372.063 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 628466   | 107.917 | ug/l   | 99       |
| 52) Toluene                    | 10.14 | 92   | 209048   | 19.958  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 133112   | 19.507  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 147188   | 20.053  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 86872    | 20.494  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 123875   | 18.738  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 150046   | 20.566  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 246105   | 104.321 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.74 | 43   | 454221   | 101.618 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 91001    | 20.304  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 85729    | 19.978  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.62 | 164  | 74806    | 19.780  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.43 | 112  | 220916   | 20.376  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 85537    | 21.031  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 392208   | 20.389  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 289353   | 40.156  | ug/l   | 100      |
| 69) o-Xylene                   | 11.94 | 106  | 138199   | 19.846  | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 218555   | 19.956  | ug/l   | 100      |
| 71) Bromoform                  | 12.12 | 173  | 63267    | 19.999  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 379976   | 20.667  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 149643   | 19.208  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 128756   | 20.564  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 121112m  | 21.047  | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 90634    | 19.621  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.59 | 91   | 431027   | 20.475  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 261270   | 20.006  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 315441   | 20.248  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 42388    | 19.456  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 266227   | 20.325  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 268741   | 19.975  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 313515   | 20.800  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 361450   | 20.657  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 317889   | 20.576  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 159408   | 20.153  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 154373   | 19.506  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.62 | 91   | 263545   | 19.490  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.88 | 117  | 61366    | 19.781  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 160475   | 20.623  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 25443    | 20.384  | ug/l   | 95       |

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Sample : VN1113WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
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Quant Title : SW846 8260  
QLast Update : Thu Nov 07 04:00:41 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 81714    | 19.300 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 55677    | 20.752 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 217248   | 18.621 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 86102    | 19.745 | ug/l  | 99       |

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

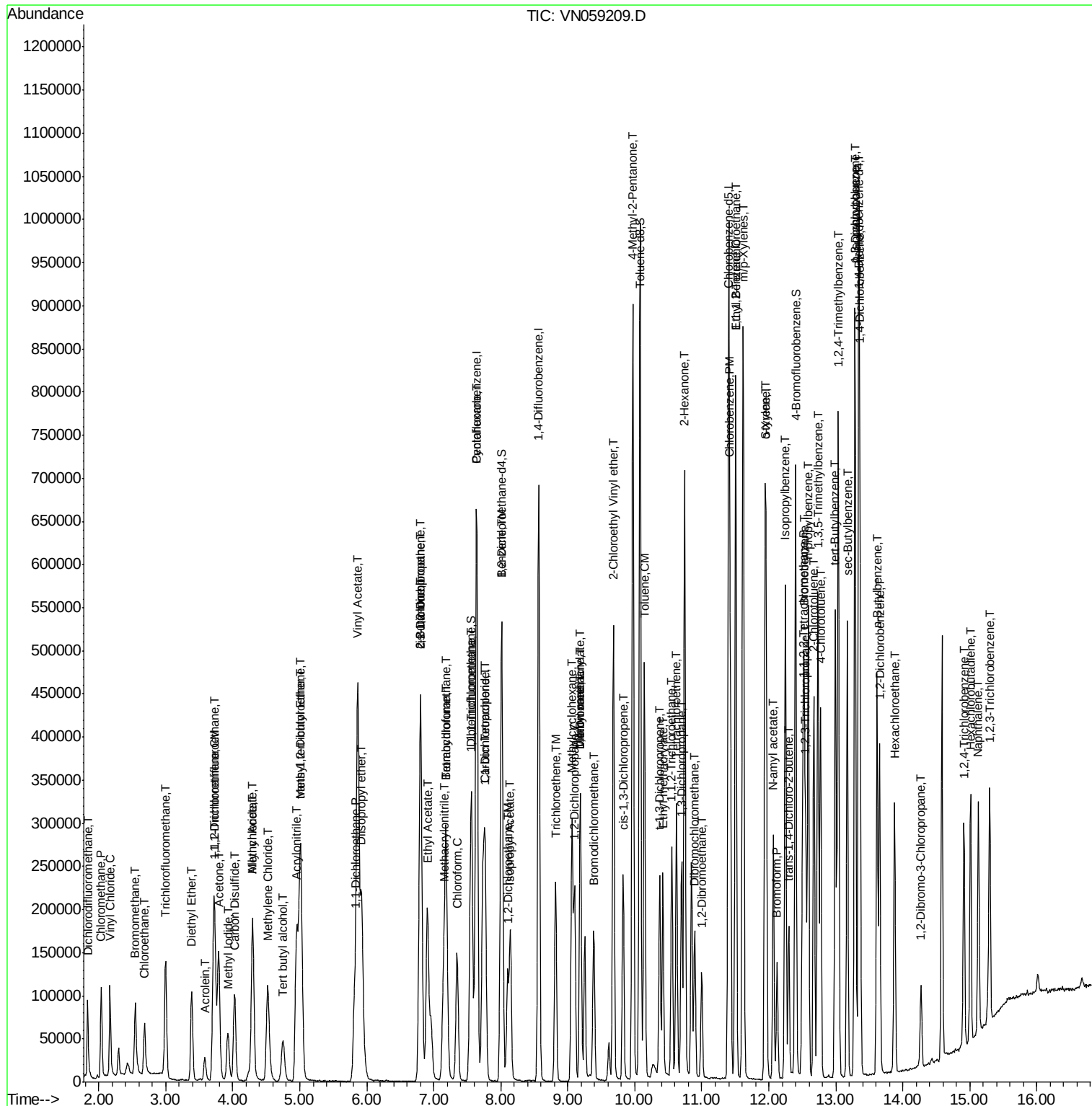
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Data File : VN059209.D  
Acq On : 13 Nov 2019 10:28  
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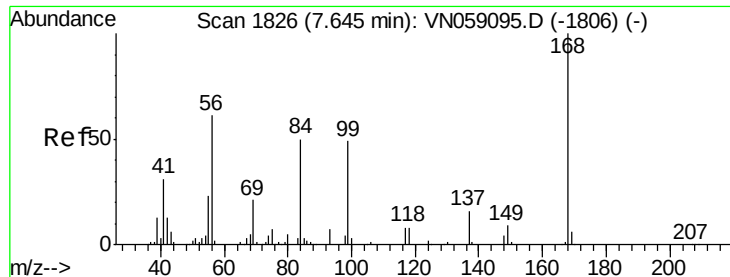
Instrument :  
MSVOA\_N  
Client Sampled :  
VN1113WBSD01

Manual Integrations  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1113WBSD01

Tot Ion:168 Resp: 399668

Ion Ratio Lower Upper

168 100

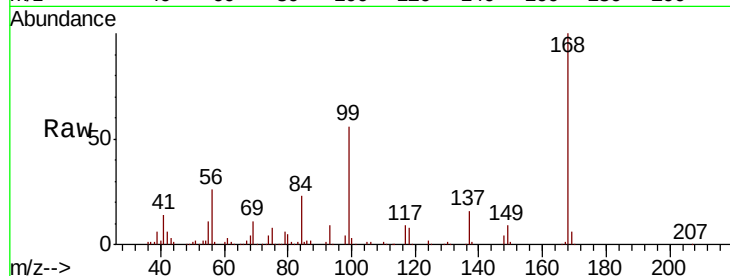
99 55.9 45.7 68.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

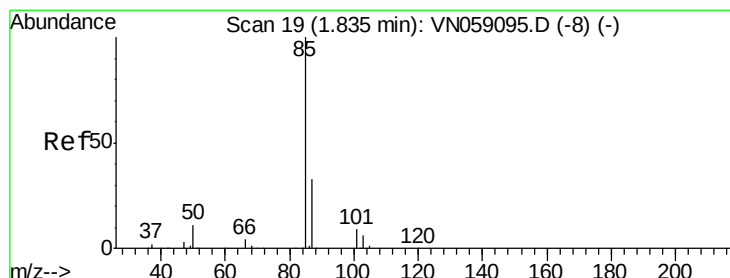
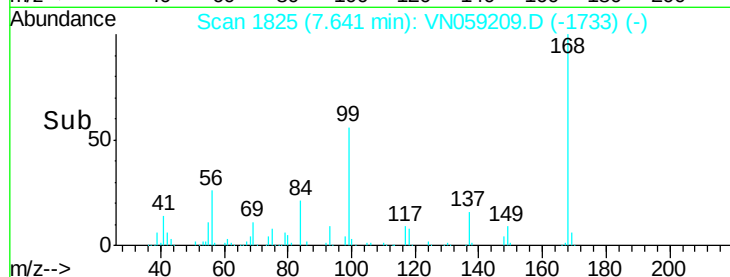
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 18.532 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059209.D

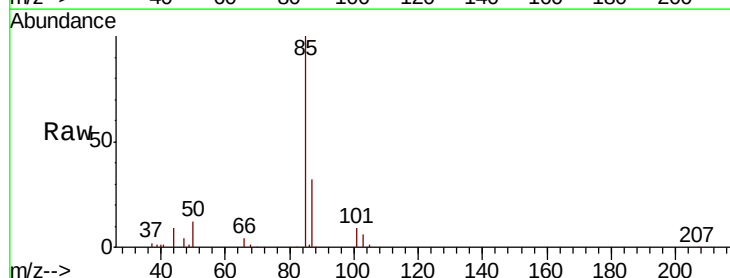
Acq: 13 Nov 2019 10:28

Tgt Ion: 85 Resp: 74625

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

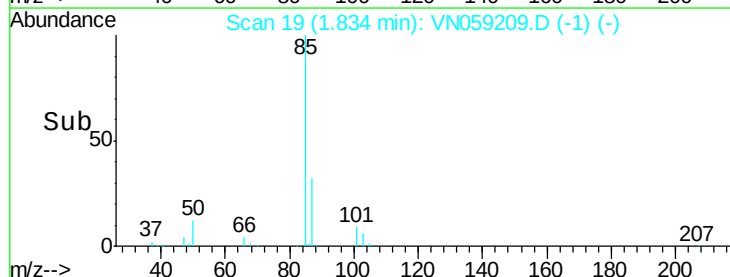
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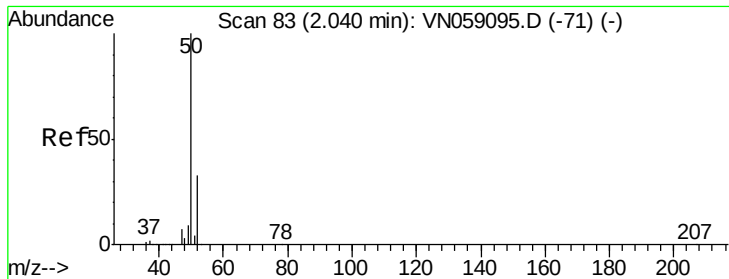
20000

10000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 17.830 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 50 Resp: 97596

Ion Ratio Lower Upper

50 100

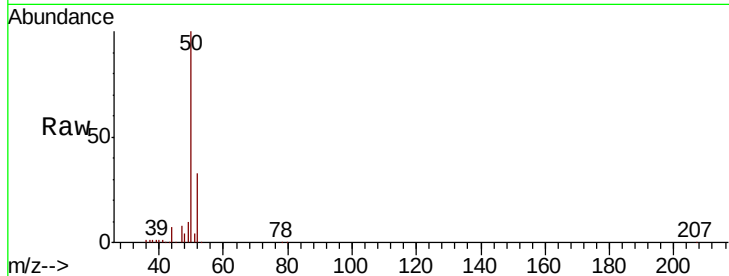
52 32.7 26.0 39.0

Manual Integrations

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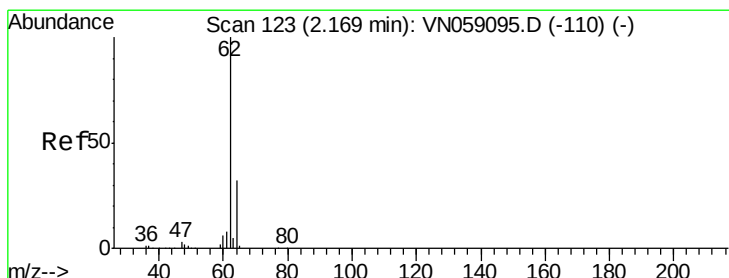
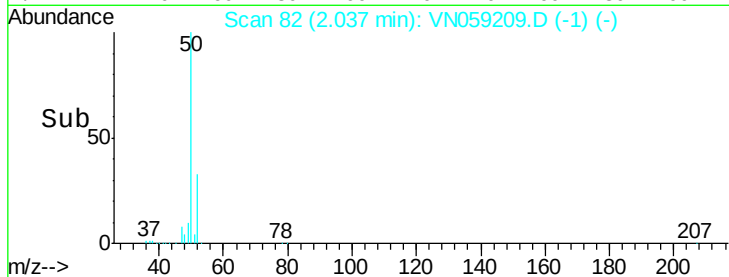
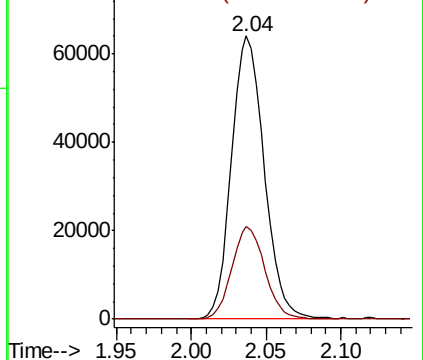
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11/14/2019 10:00:16 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.143 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059209.D

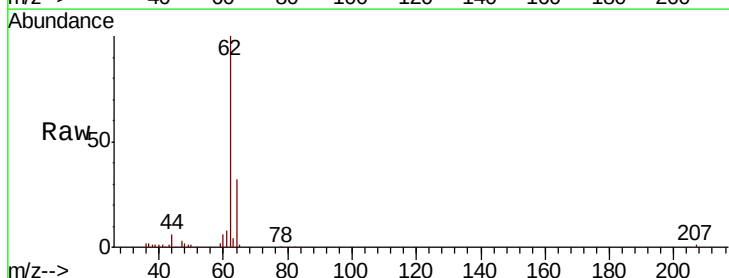
Acq: 13 Nov 2019 10:28

Tgt Ion: 62 Resp: 101589

Ion Ratio Lower Upper

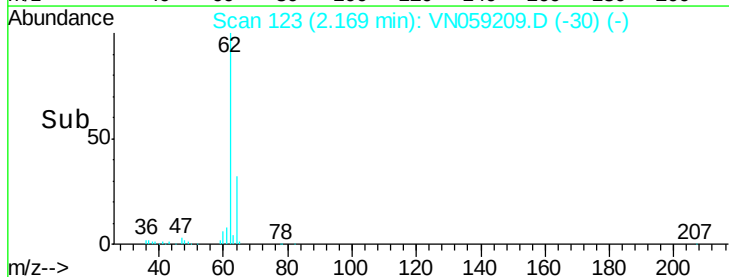
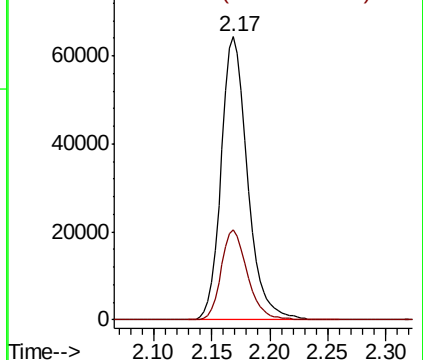
62 100

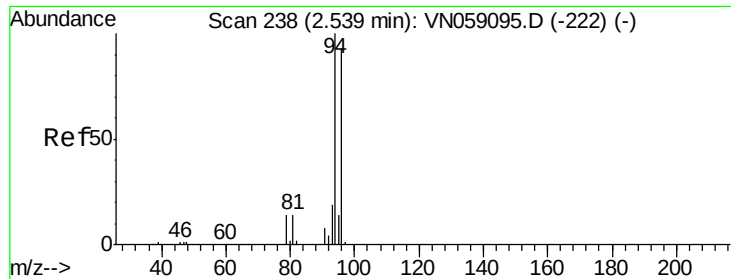
64 32.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.529 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 94 Resp: 59640

Ion Ratio Lower Upper

94 100

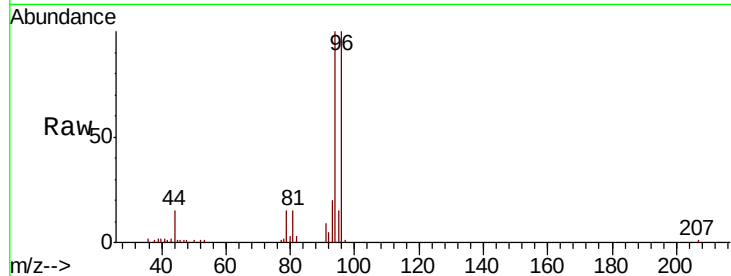
96 99.9 74.2 111.2

Manual Integrations

APPROVED

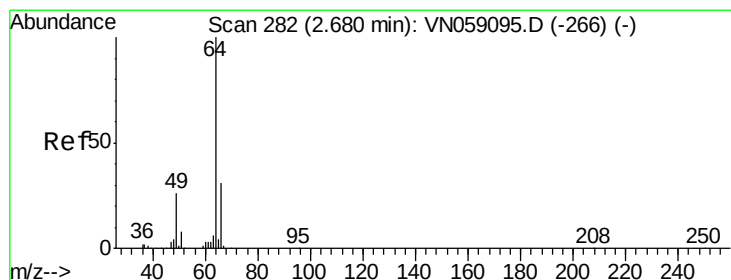
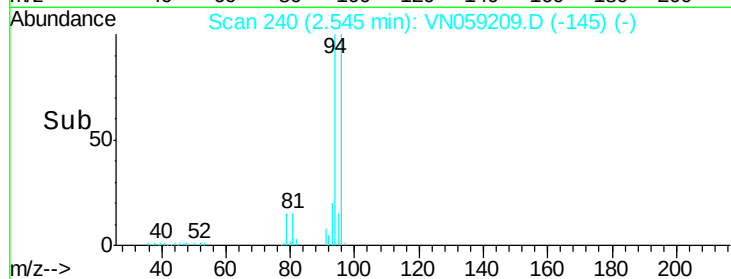
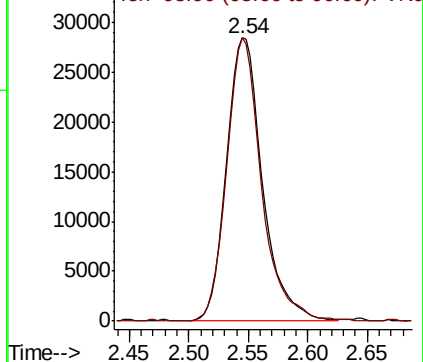
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11/14/2019 10:00:16 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.114 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059209.D

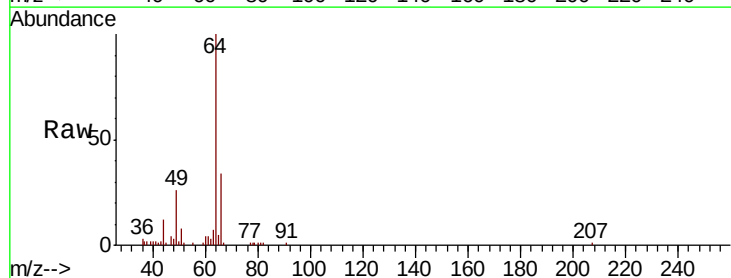
Acq: 13 Nov 2019 10:28

Tgt Ion: 64 Resp: 60004

Ion Ratio Lower Upper

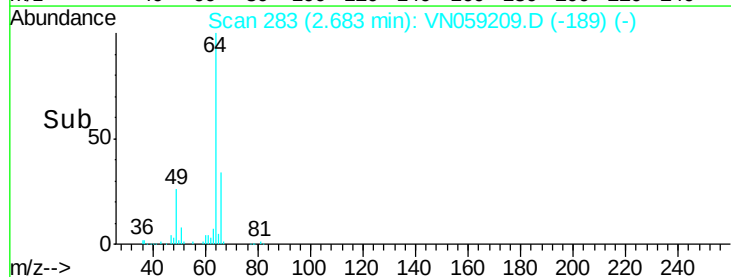
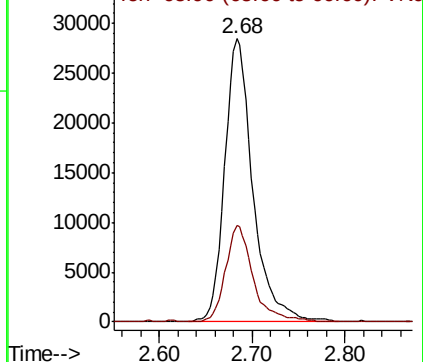
64 100

66 34.1 25.2 37.8

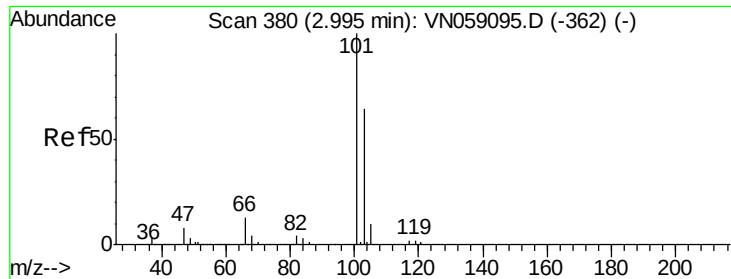


Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO







#7

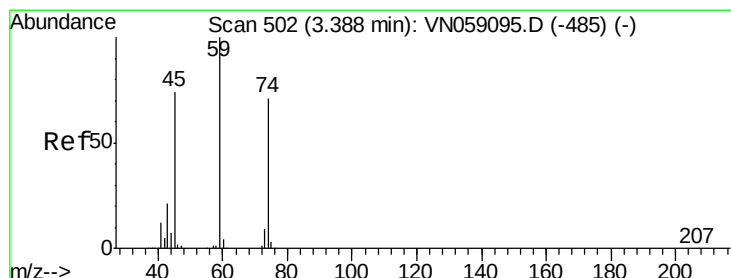
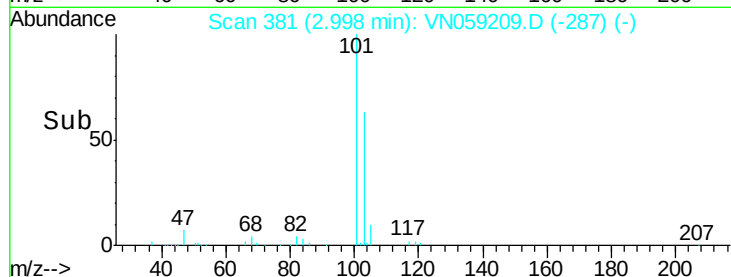
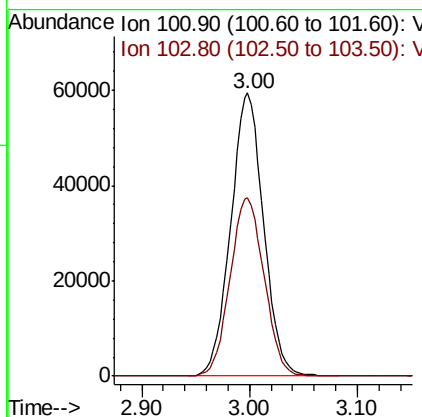
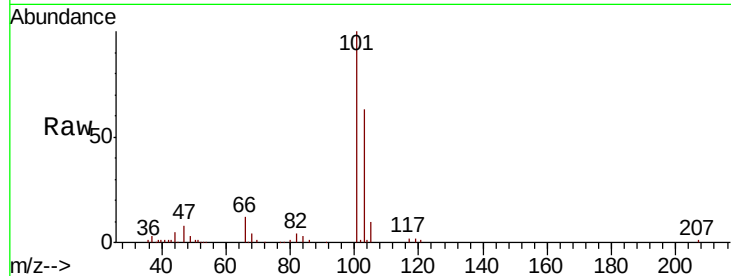
Trichlorofluoromethane  
Concen: 19.854 ug/l  
RT: 3.00 min Scan# 381  
Delta R.T. 0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1113WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 62.9  | 51.2  | 76.8  |

Manual Integrations  
APPROVED

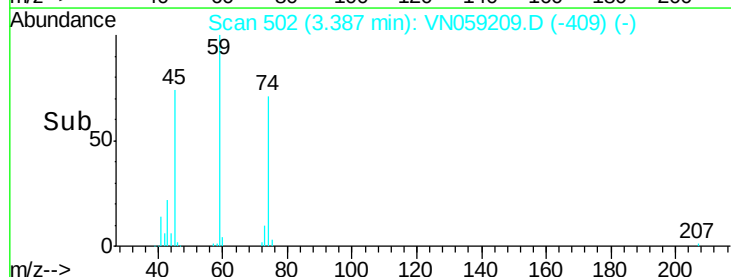
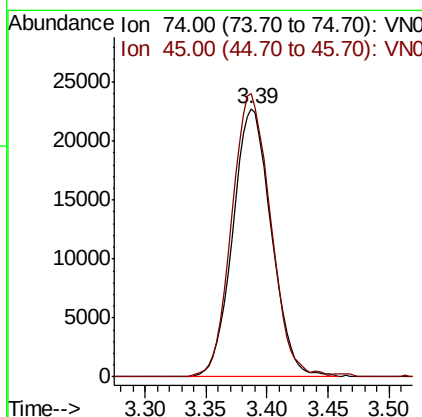
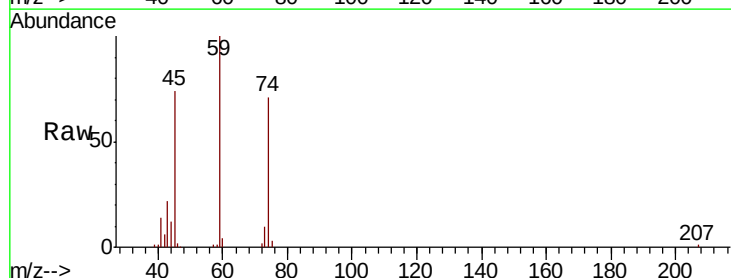
MMDadoda  
11/14/2019 10:00:16 AM



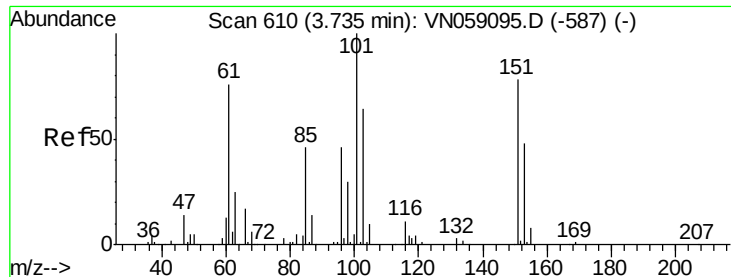
#8

Diethyl Ether  
Concen: 19.361 ug/l  
RT: 3.39 min Scan# 502  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 105.8 | 51.6  | 154.9 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.210 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1113WBSD01

Tot Ion:101 Resp: 77348

Ion Ratio Lower Upper

101 100

85 43.9 35.5 53.3

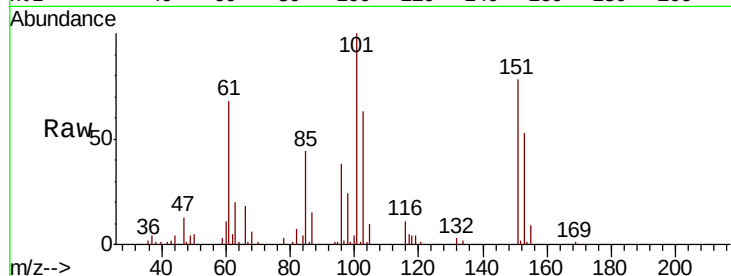
151 76.9 62.2 93.2

Manual Integrations

APPROVED

MMDadoda

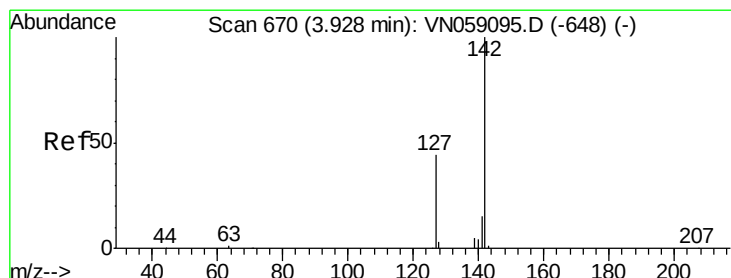
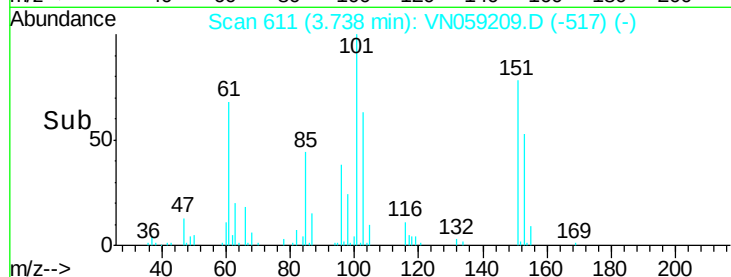
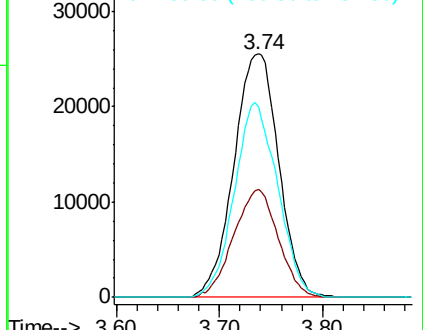
11/14/2019 10:00:16 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.453 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

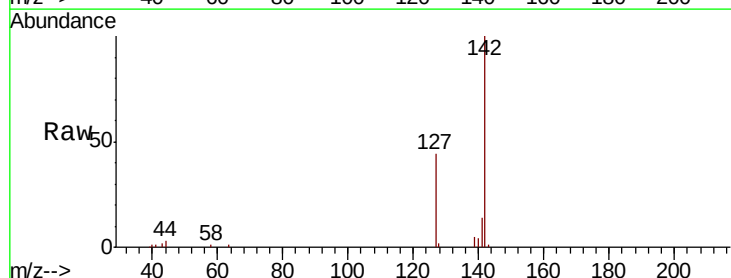
Tgt Ion:142 Resp: 92157

Ion Ratio Lower Upper

142 100

127 44.0 34.2 51.2

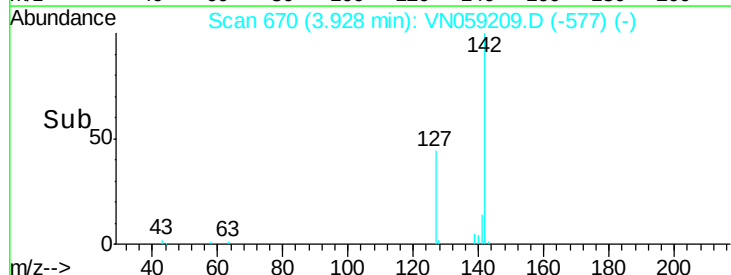
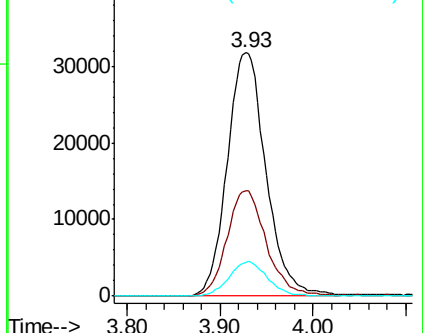
141 13.9 11.4 17.0

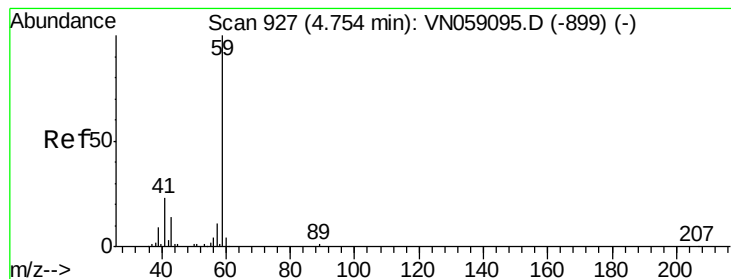


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

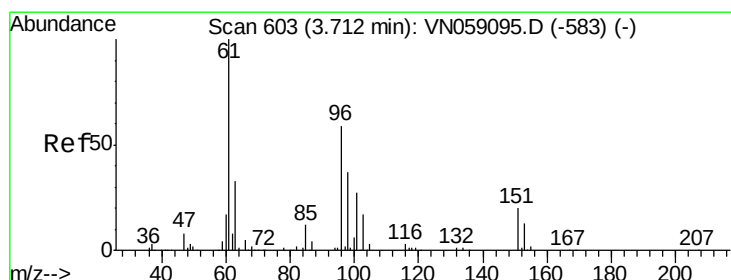
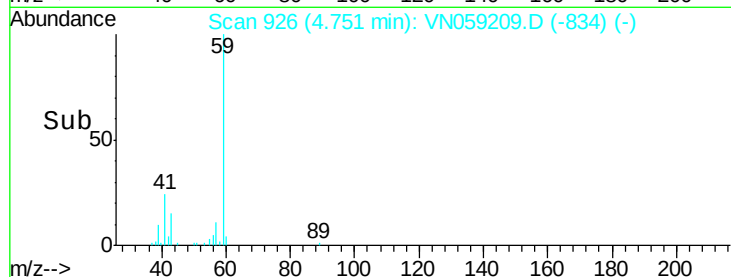
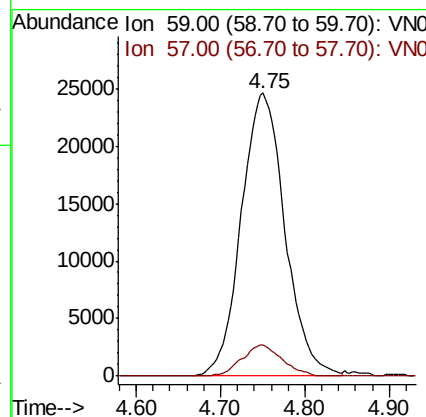
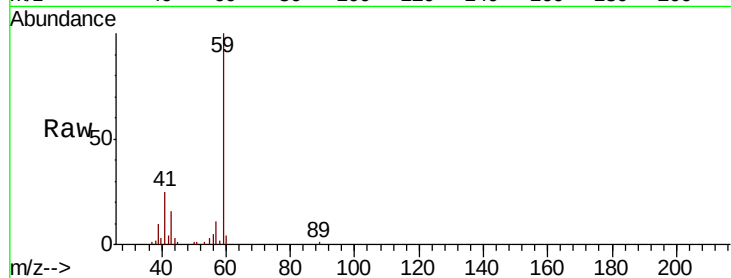
Tert butyl alcohol  
Concen: 94.533 ug/l  
RT: 4.75 min Scan# 926  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1113WBSD01

| Tot Ion   | 59.00 | Resp  | 88511 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 57        | 10.2  | 8.3   | 12.5  |

Manual Integrations  
APPROVED

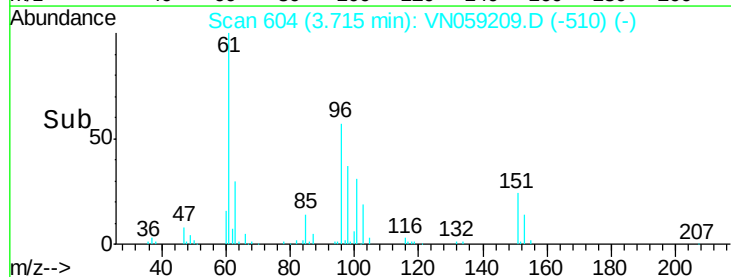
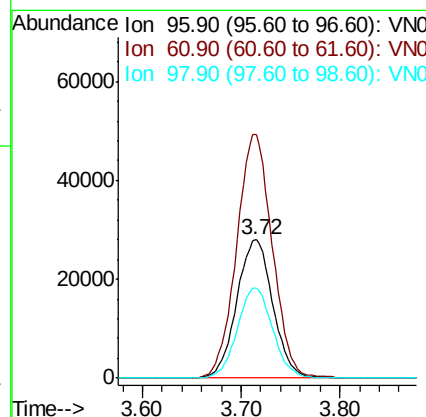
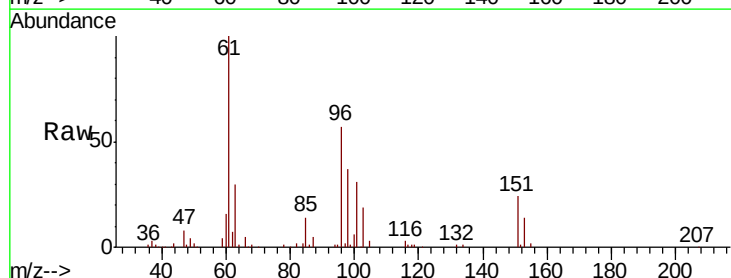
MMDadoda  
11/14/2019 10:00:16 AM

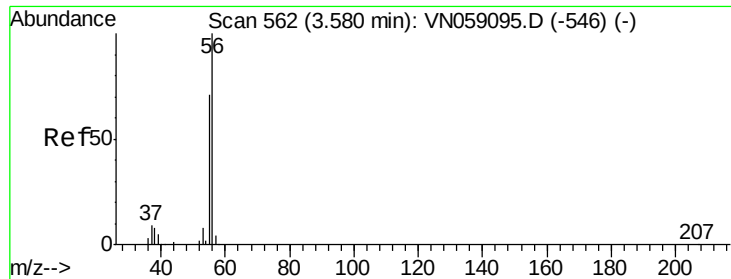


#12

1,1-Dichloroethene  
Concen: 19.081 ug/l  
RT: 3.72 min Scan# 604  
Delta R.T. 0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

| Tgt Ion   | 96    | Resp  | 71139 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 175.8 | 136.5 | 204.7 |
| 98        | 65.1  | 50.2  | 75.4  |





#13

Acrolein

Concen: 61.640 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 56 Resp: 29756

Ion Ratio Lower Upper

56 100

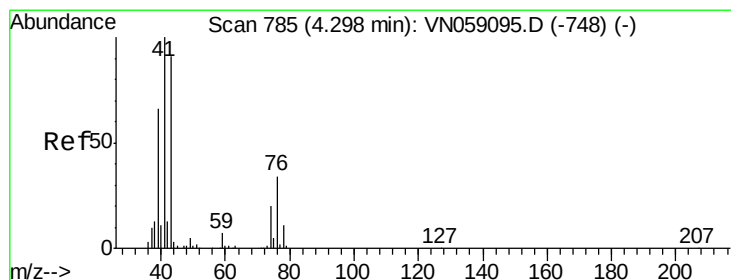
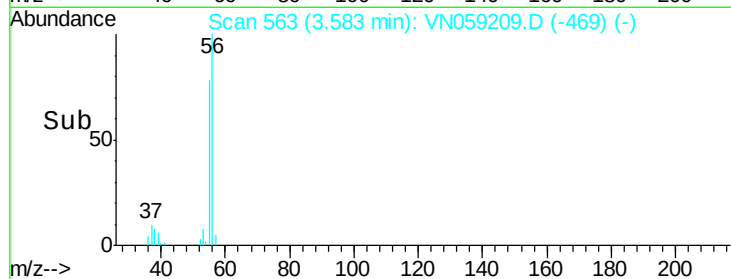
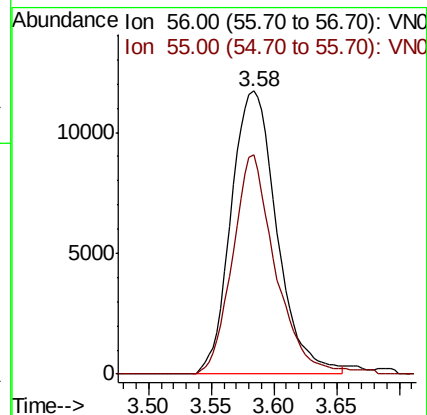
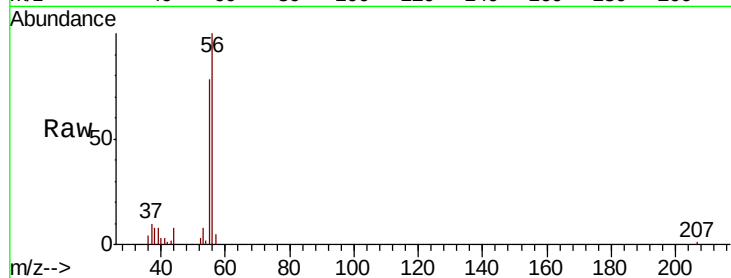
55 72.3 56.4 84.6

Manual Integrations

APPROVED

MMDadoda

11/14/2019 10:00:16 AM



#14

Allyl chloride

Concen: 18.719 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

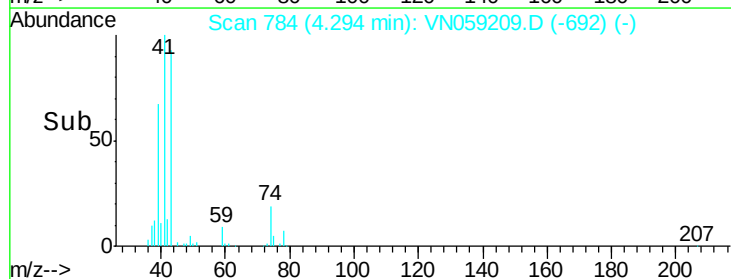
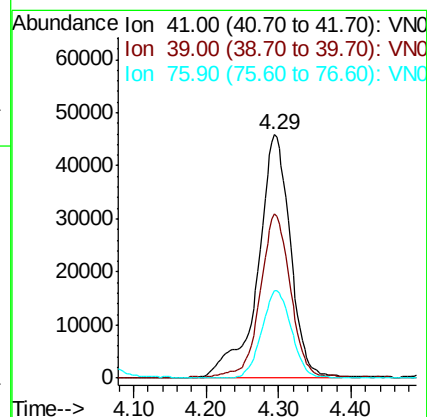
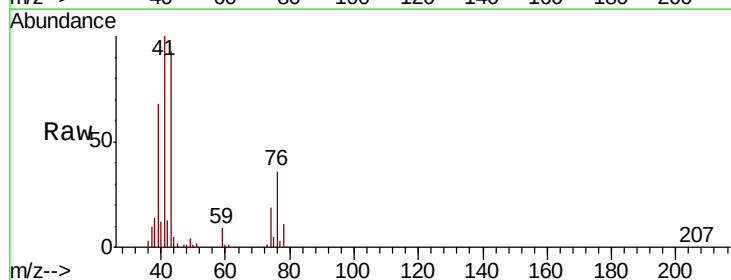
Tgt Ion: 41 Resp: 143354

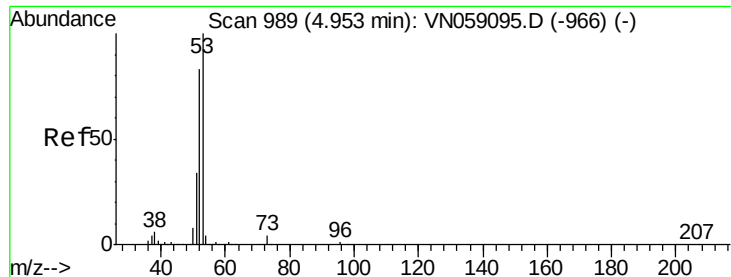
Ion Ratio Lower Upper

41 100

39 61.6 49.1 73.7

76 32.6 24.9 37.3





#15

Acrylonitrile

Concen: 98.665 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

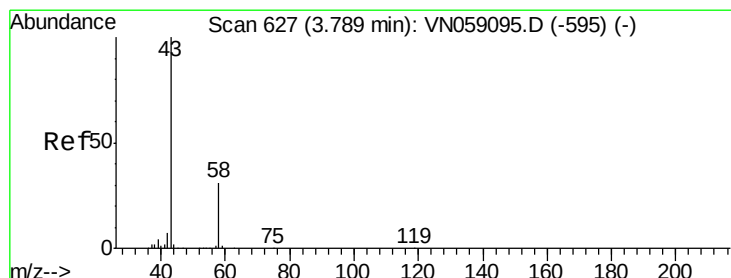
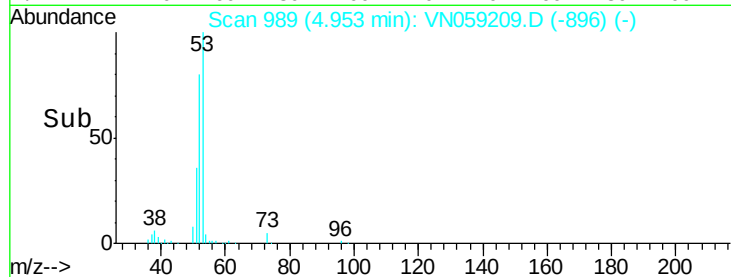
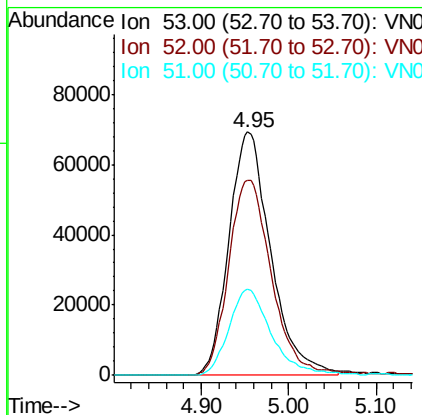
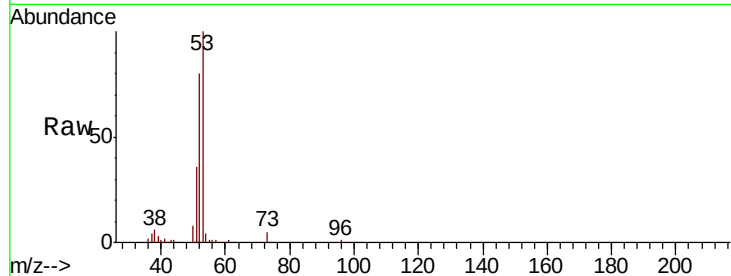
ClientSampleId :

VN1113WBSD01

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 229903 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 82.1 | 65.0  | 97.6   |
| 51        | 35.9 | 28.0  | 42.0   |

Manual Integrations  
APPROVED

MMDadoda  
11/14/2019 10:00:16 AM



#16

Acetone

Concen: 96.918 ug/l

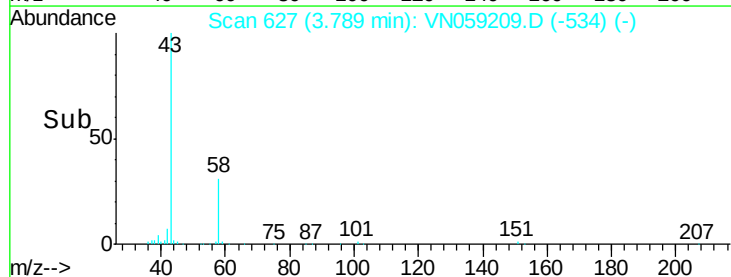
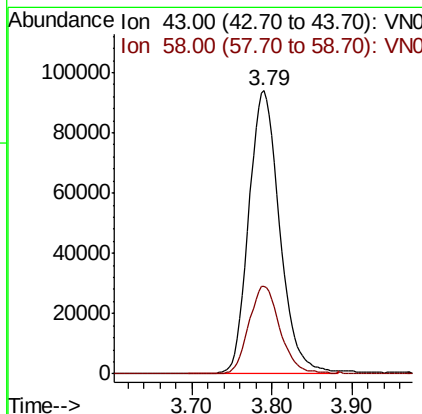
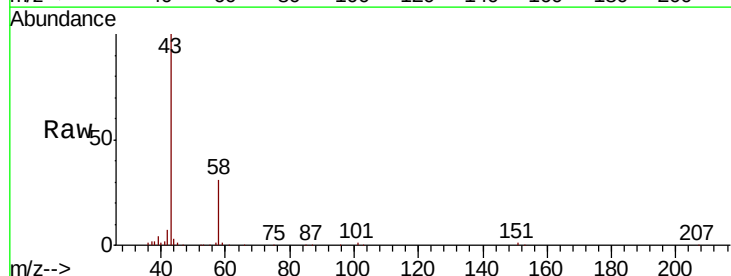
RT: 3.79 min Scan# 627

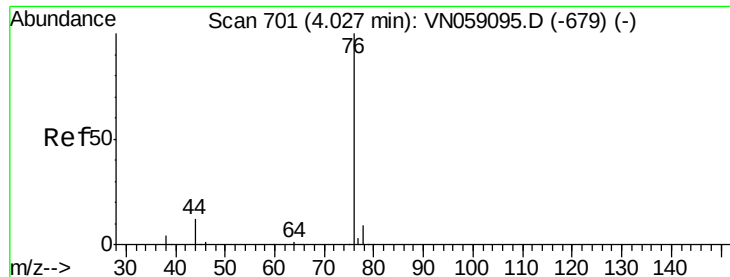
Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 247608 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 31.1 | 24.9  | 37.3   |





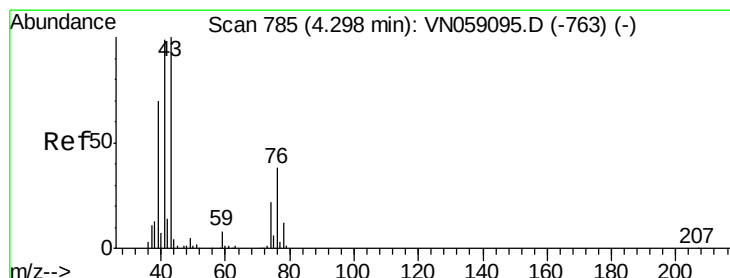
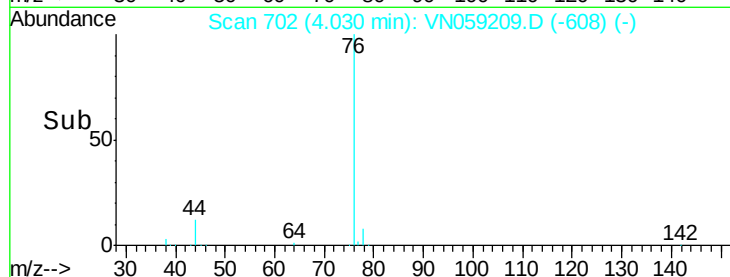
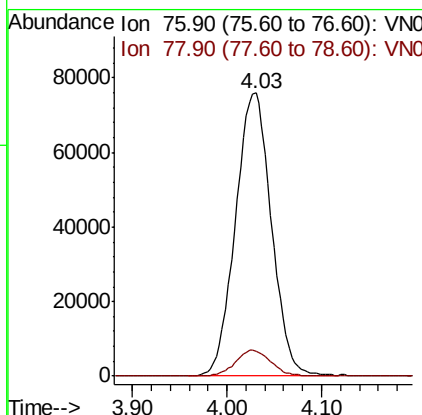
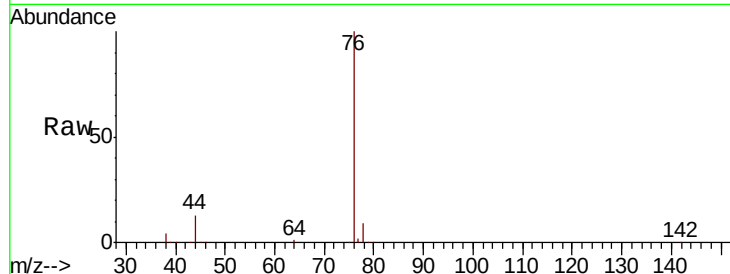
#17  
Carbon Disulfide  
Concen: 17.359 ug/l  
RT: 4.03 min Scan# 702  
Delta R.T. 0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1113WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.9   | 7.4   | 11.0  |

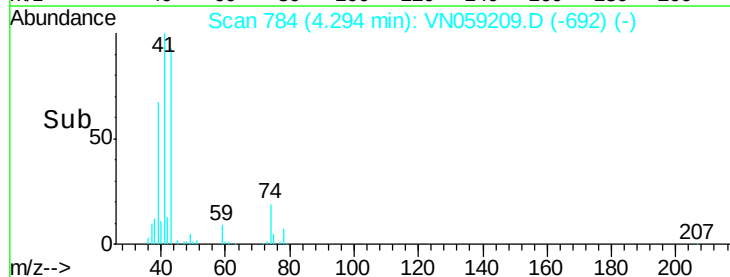
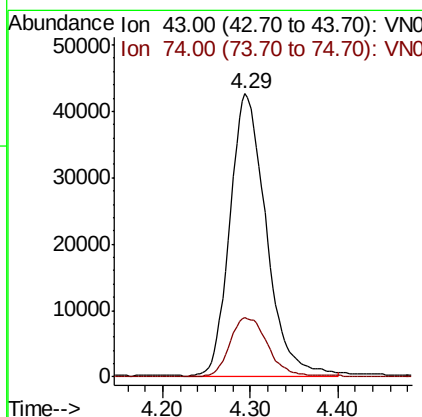
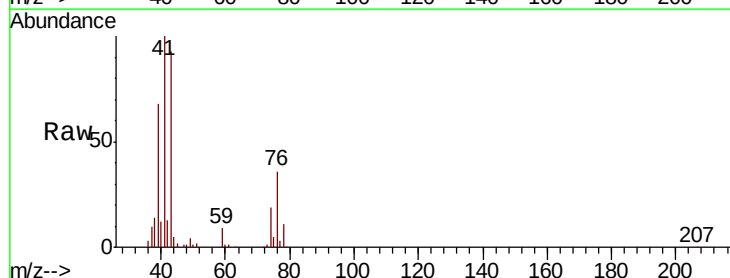
Manual Integrations  
APPROVED

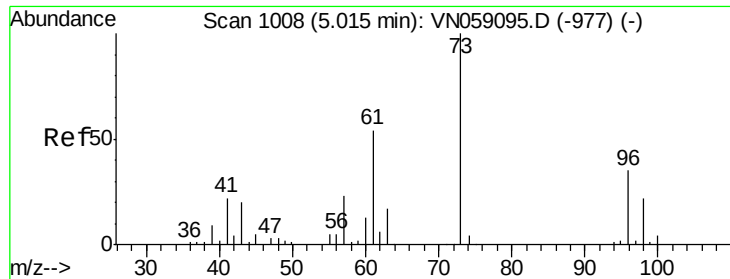
MMDadoda  
11/14/2019 10:00:16 AM



#18  
Methyl Acetate  
Concen: 20.402 ug/l  
RT: 4.29 min Scan# 784  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 21.8  | 17.8  | 26.8  |





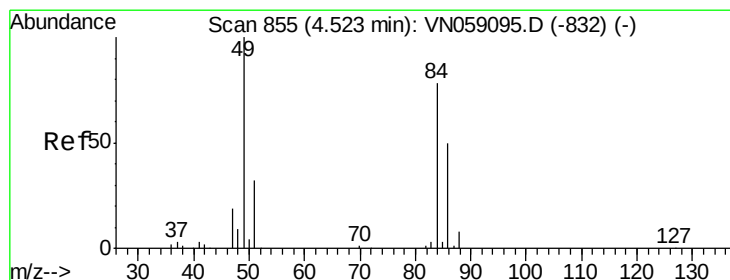
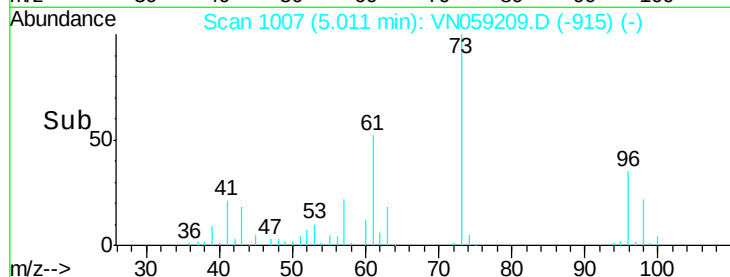
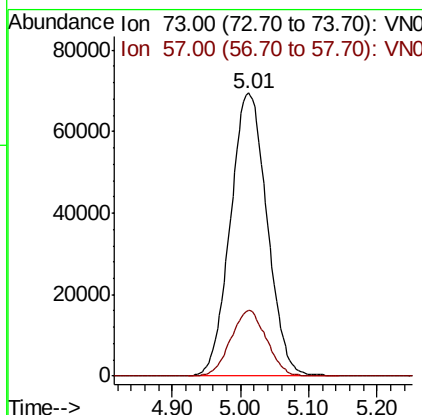
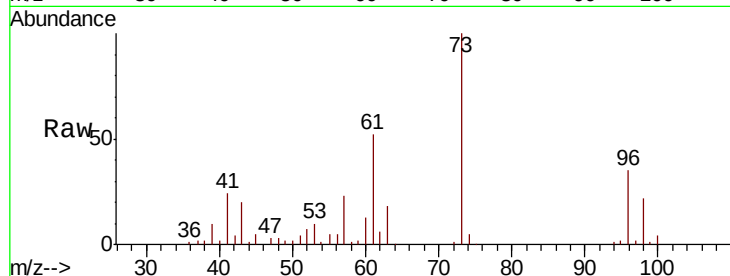
#19  
Methyl tert-butyl Ether  
Concen: 20.241 ug/l  
RT: 5.01 min Scan# 1007  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1113WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 23.2  | 18.4  | 27.6  |

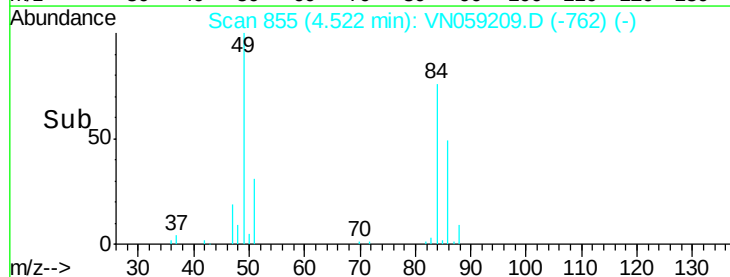
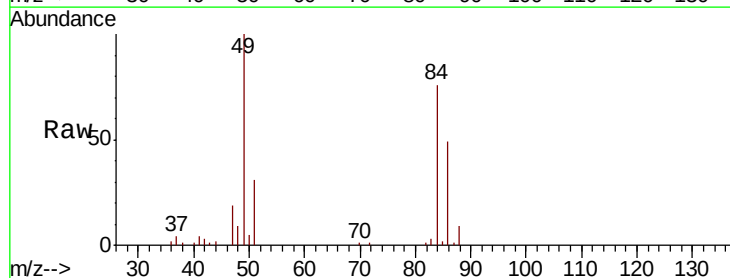
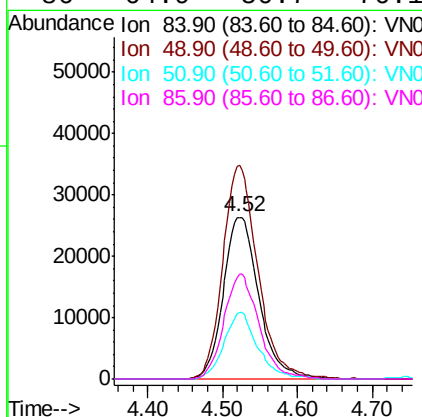
Manual Integrations  
APPROVED

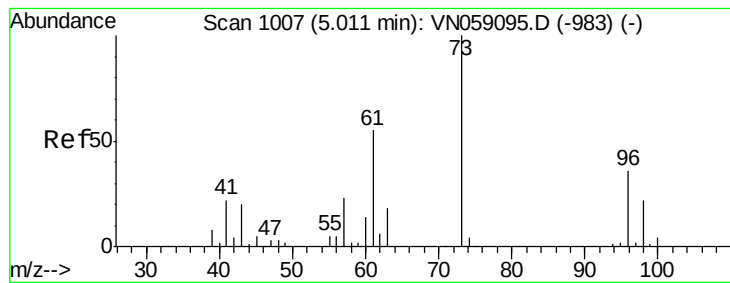
MMDadoda  
11/14/2019 10:00:16 AM



#20  
Methylene Chloride  
Concen: 19.472 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 131.9 | 102.0 | 153.0 |
| 51      | 41.5  | 32.2  | 48.2  |
| 86      | 64.9  | 50.7  | 76.1  |





#21

trans-1,2-Dichloroethene

Concen: 19.139 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 96 Resp: 76594

Ion Ratio Lower Upper

96 100

61 148.4 122.6 183.8

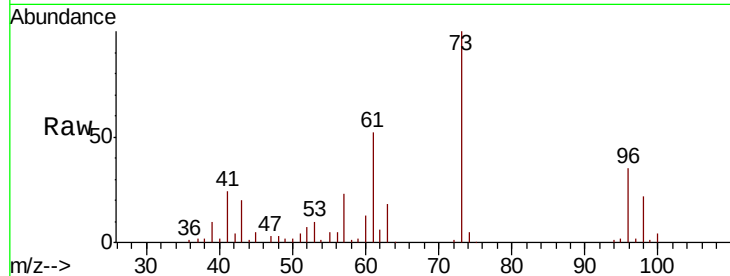
98 62.6 50.3 75.5

Manual Integrations

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MMDadoda

11/14/2019 10:00:16 AM

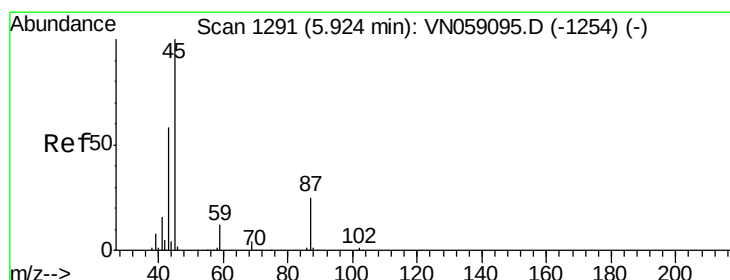
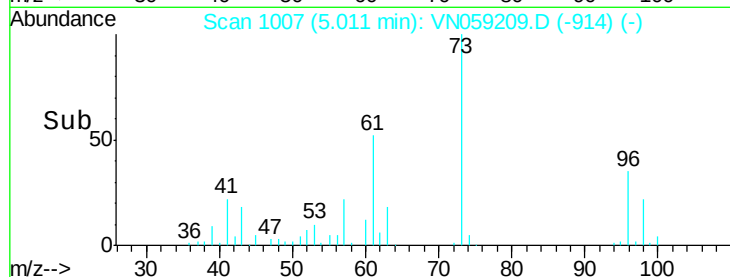
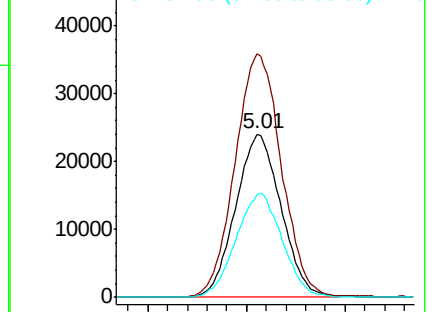


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.199 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Tgt Ion: 45 Resp: 292183

Ion Ratio Lower Upper

45 100

43 65.1 46.7 70.1

87 25.8 20.5 30.7

59 12.3 9.6 14.4

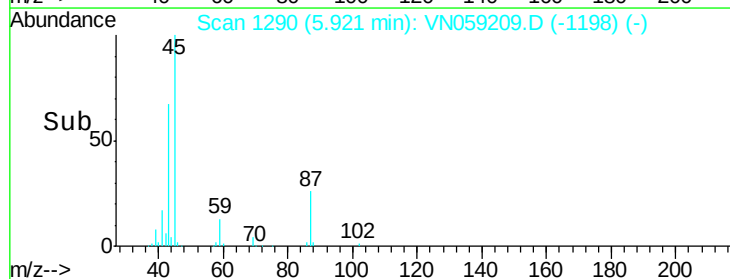
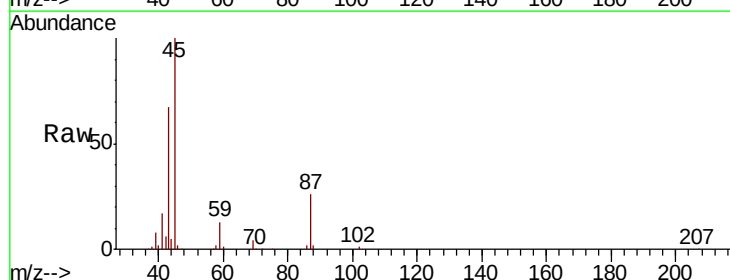
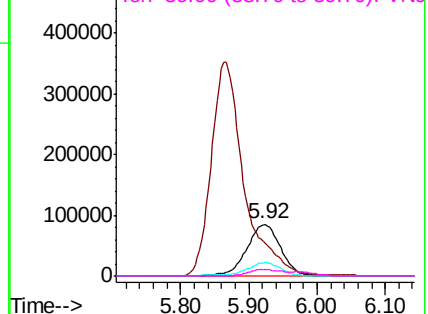
Abundance

Ion 45.00 (44.70 to 45.70): VN0

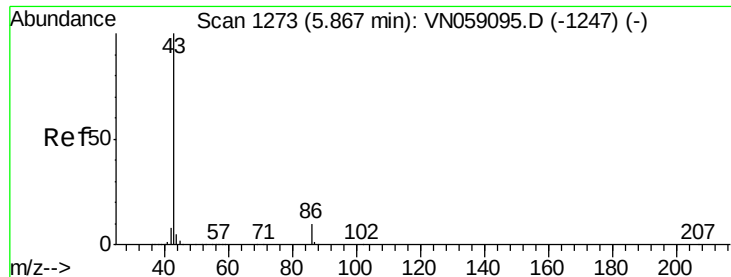
Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0







#23

Vinyl Acetate

Concen: 104.776 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 43 Resp: 1174645

Ion Ratio Lower Upper

43 100

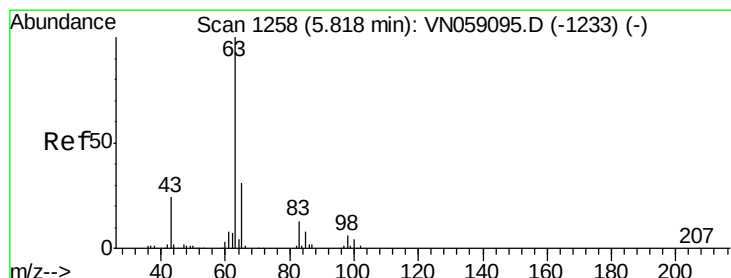
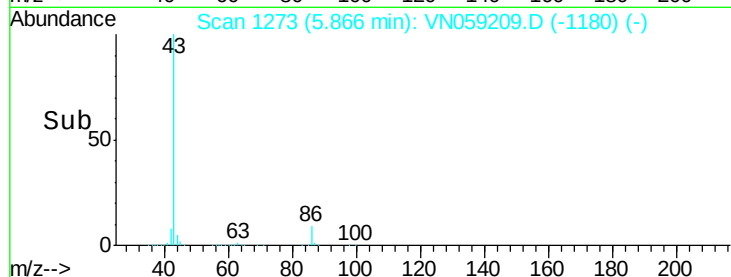
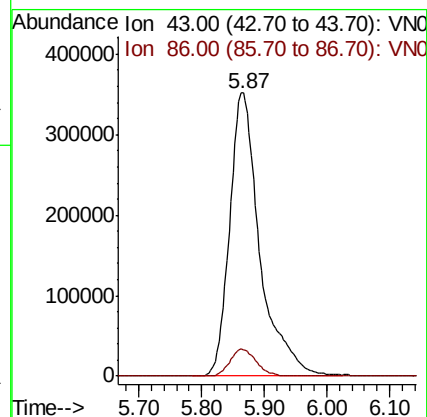
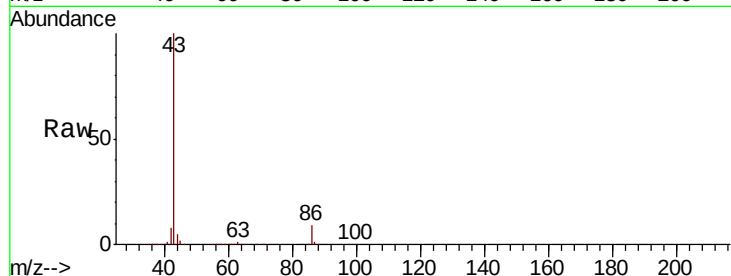
86 9.4 7.7 11.5

Manual Integrations

APPROVED

MMDadoda

11/14/2019 10:00:16 AM



#24

1,1-Dichloroethane

Concen: 20.221 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

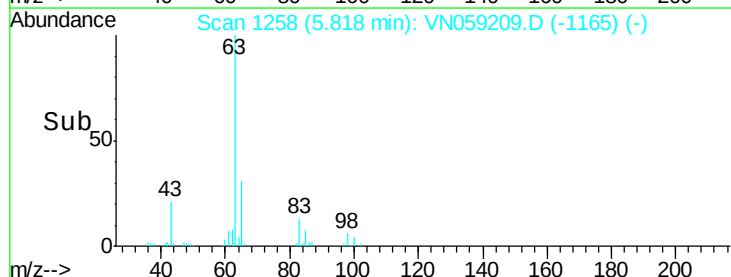
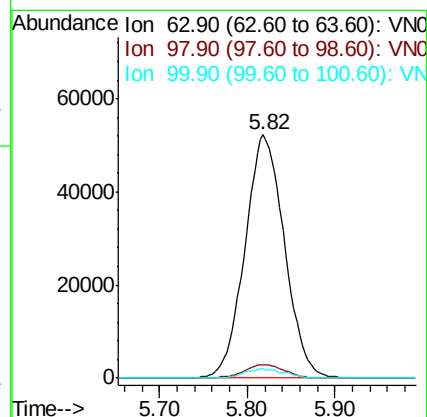
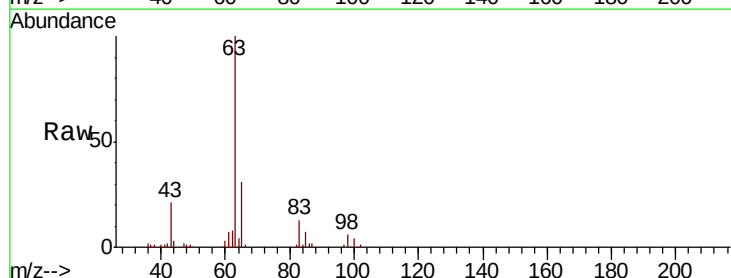
Tgt Ion: 63 Resp: 163371

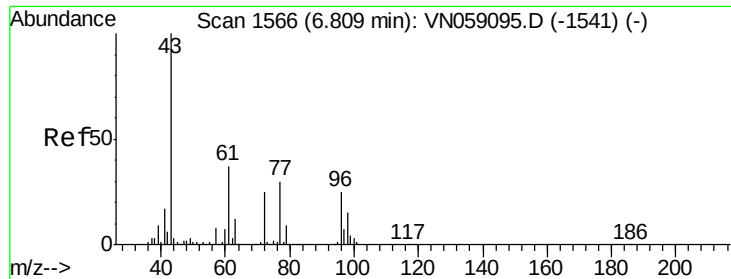
Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 3.6 1.9 5.7





#25

2-Butanone

Concen: 97.875 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

ClientSampled :

VN1113WBSD01

Tot Ion: 43 Resp: 329555

Ion Ratio Lower Upper

43 100

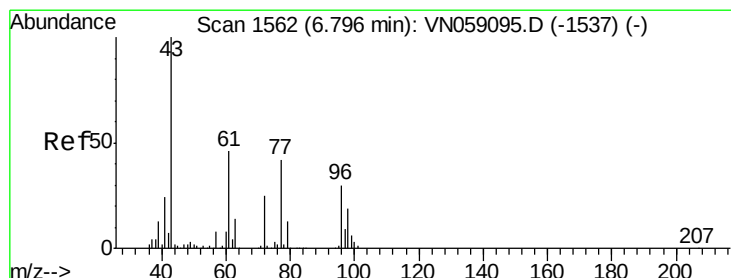
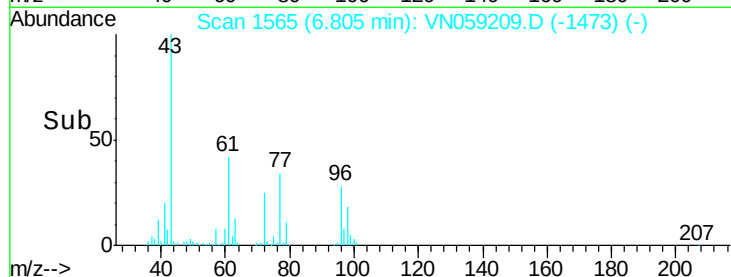
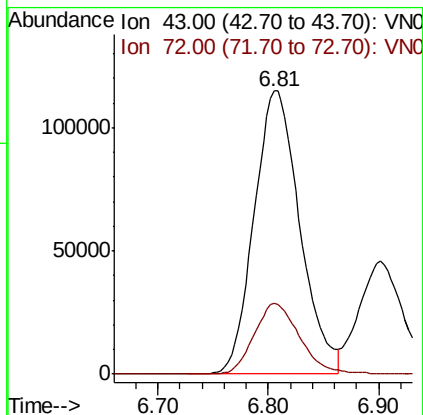
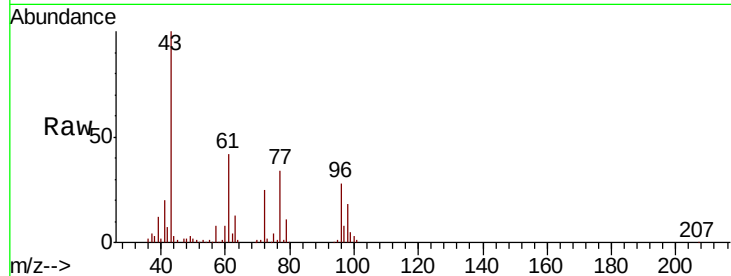
72 25.2 20.3 30.5

Manual Integrations

APPROVED

MMDadoda

11/14/2019 10:00:16 AM



#26

2,2-Dichloropropane

Concen: 19.375 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059209.D

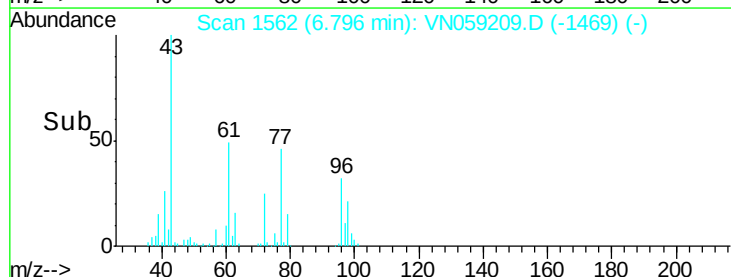
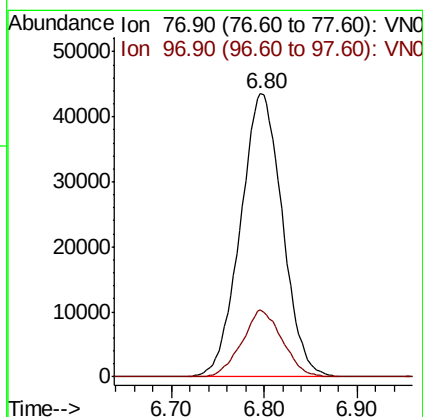
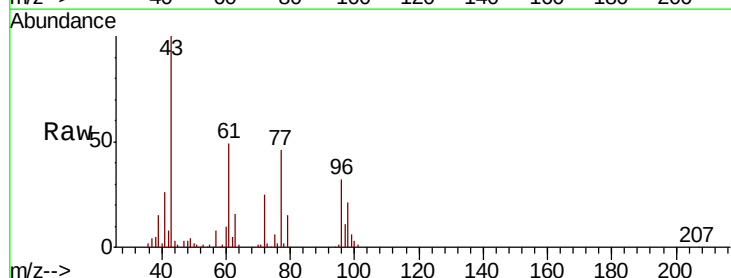
Acq: 13 Nov 2019 10:28

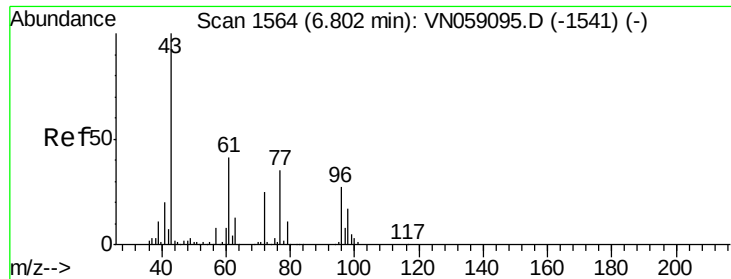
Tgt Ion: 77 Resp: 136876

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 19.742 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

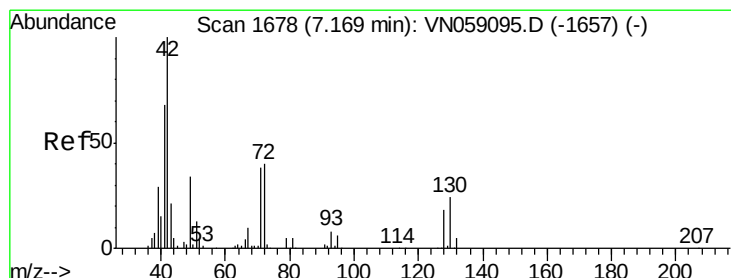
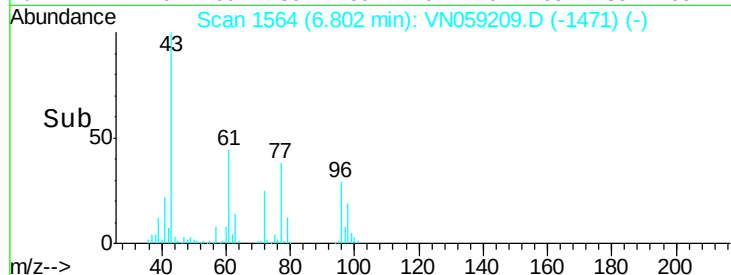
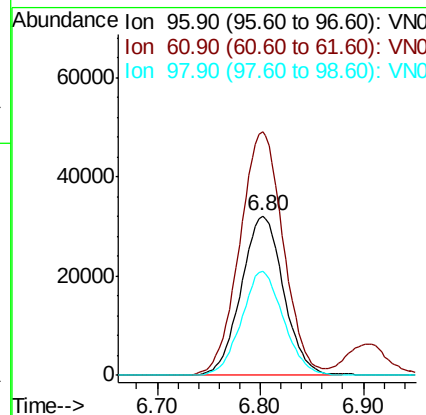
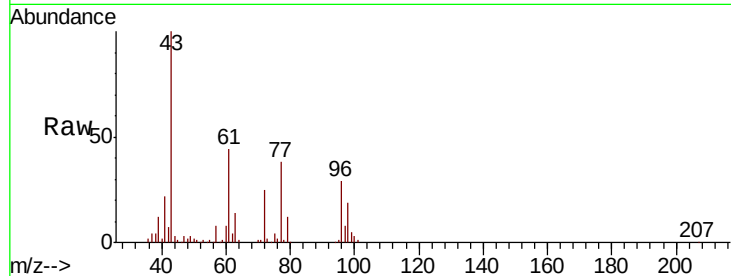
ClientSampleId :

VN1113WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 91661 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 157.2 | 0.0   | 311.6 |
| 98       | 64.7  | 0.0   | 129.8 |

Manual Integrations  
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11/14/2019 10:00:16 AM



#28

Bromochloromethane

Concen: 20.477 ug/l

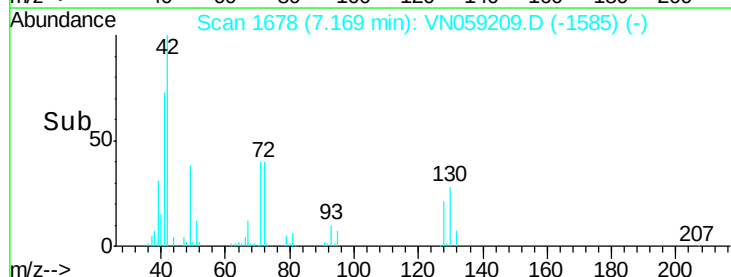
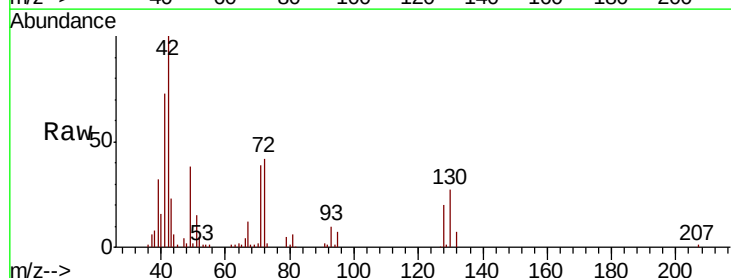
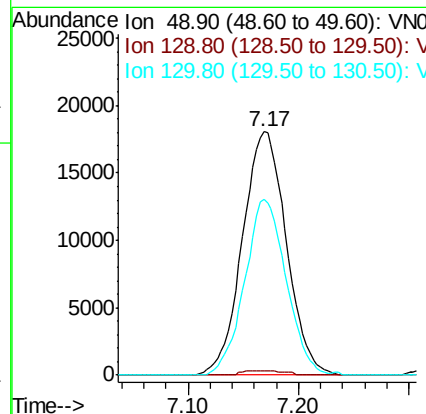
RT: 7.17 min Scan# 1678

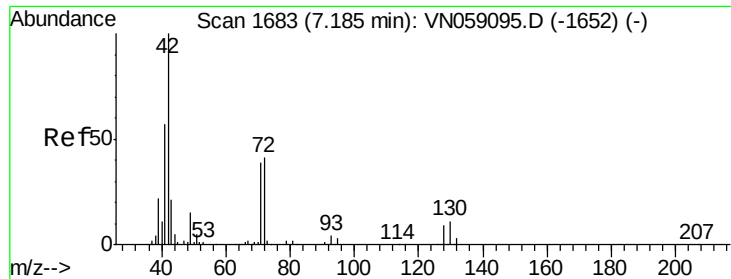
Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 49773 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 0.6   | 0.0   | 3.8   |
| 130      | 68.5  | 55.6  | 83.4  |





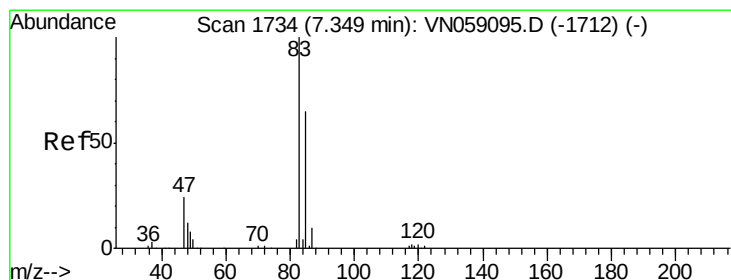
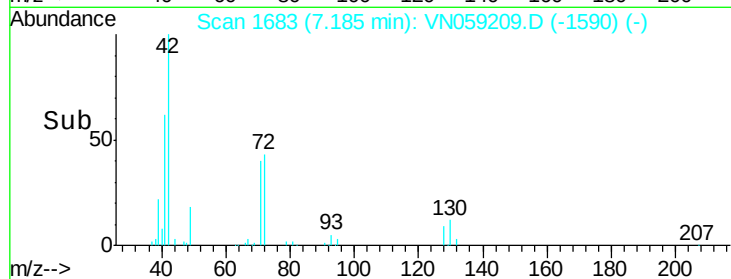
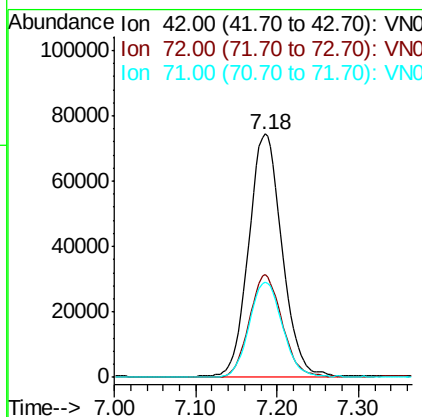
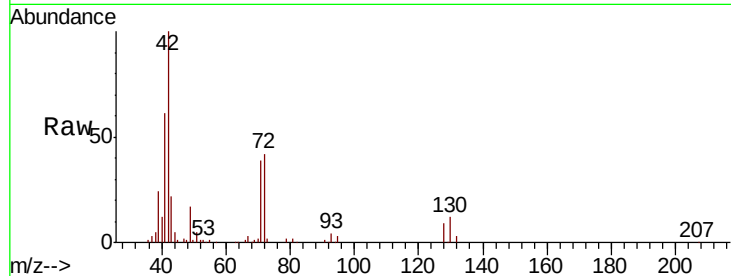
#29  
Tetrahydrofuran  
Concen: 98.618 ug/l  
RT: 7.18 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1113WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.1  | 33.1  | 49.7  |
| 71      | 38.8  | 30.9  | 46.3  |

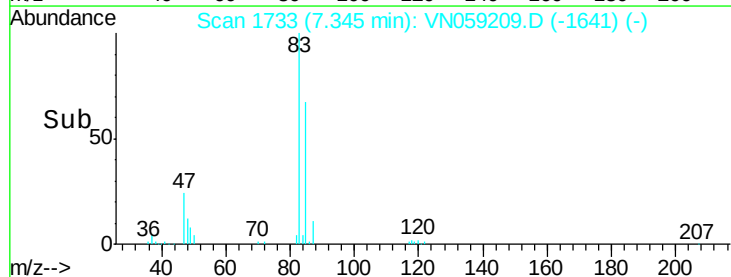
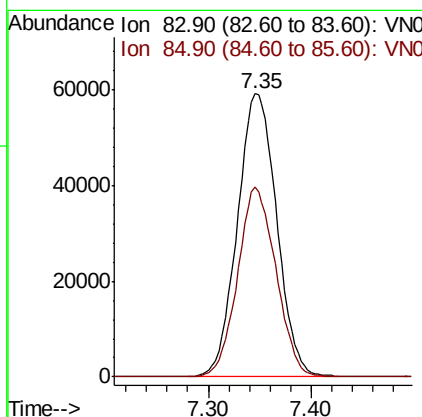
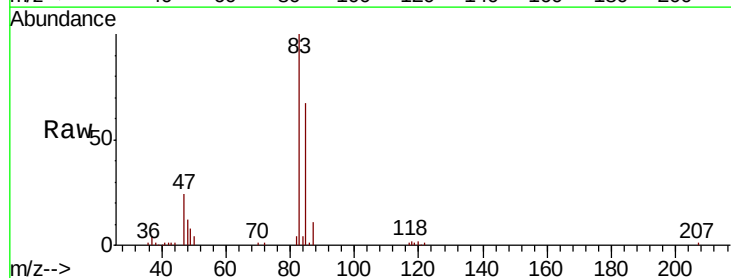
Manual Integrations  
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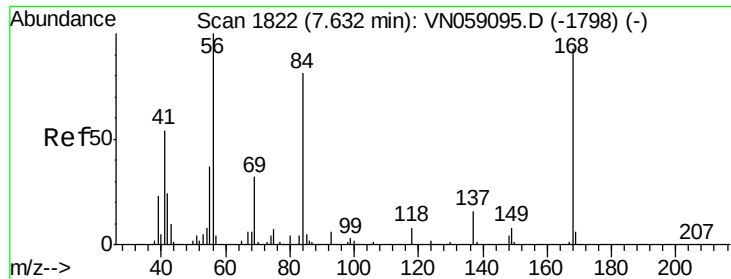
MMDadoda  
11/14/2019 10:00:16 AM



#30  
Chloroform  
Concen: 20.264 ug/l  
RT: 7.35 min Scan# 1733  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 67.1  | 51.8  | 77.8  |





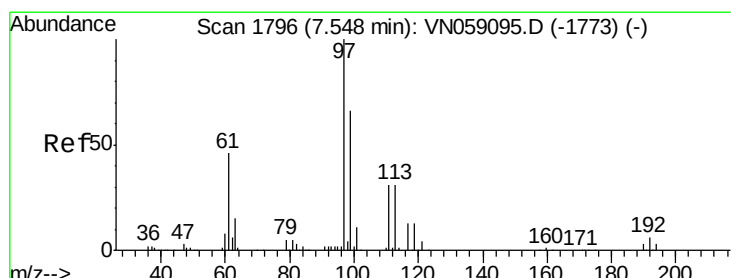
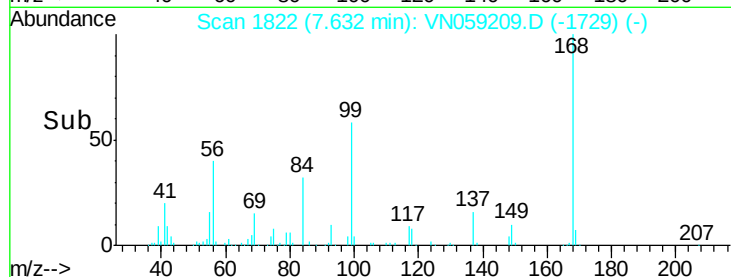
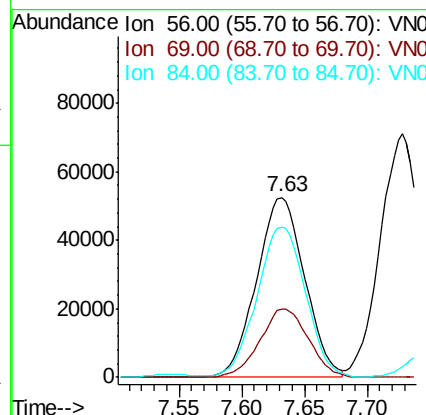
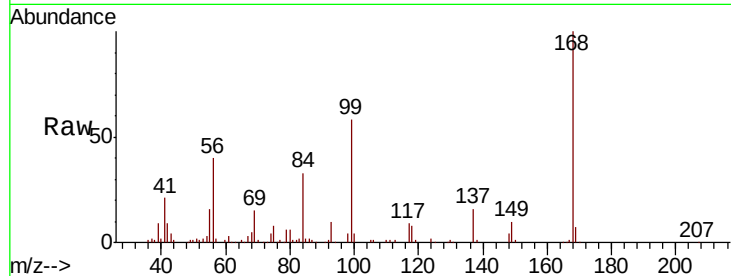
#31  
Cyclohexane  
Concen: 18.329 ug/l  
RT: 7.63 min Scan# 1822  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1113WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 38.1  | 25.8  | 38.8  |
| 84      | 82.6  | 65.0  | 97.4  |

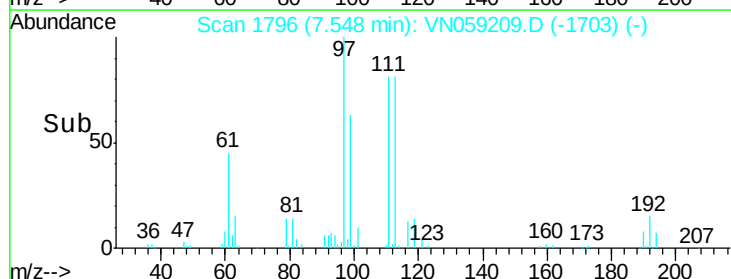
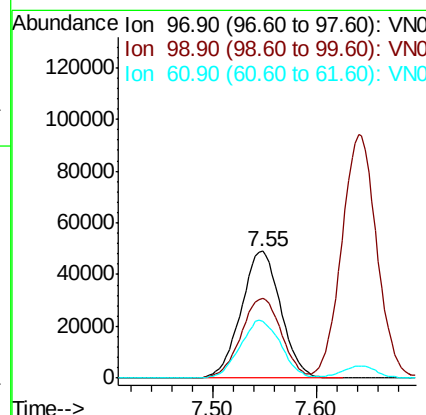
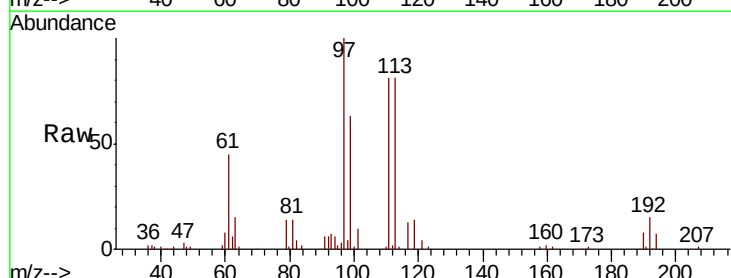
Manual Integrations  
APPROVED

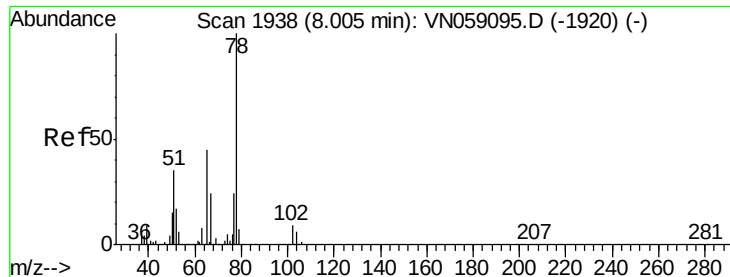
MMDadoda  
11/14/2019 10:00:16 AM



#32  
1,1,1-Trichloroethane  
Concen: 20.101 ug/l  
RT: 7.55 min Scan# 1796  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.7  | 51.0  | 76.6  |
| 61      | 46.6  | 35.8  | 53.8  |





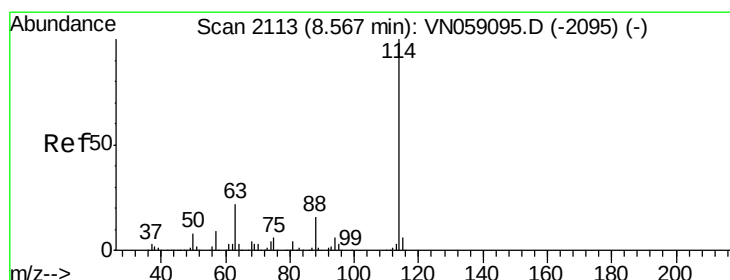
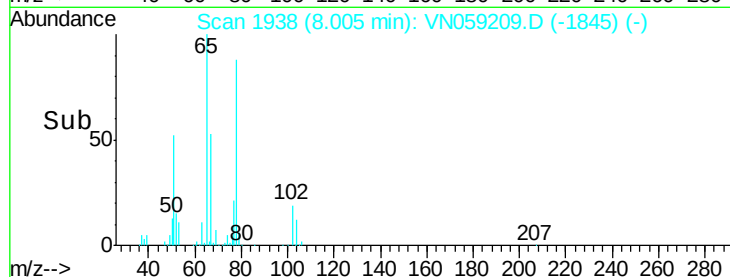
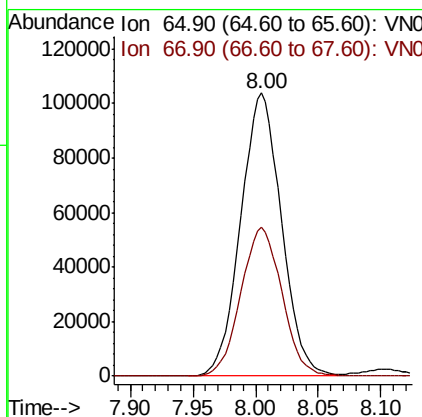
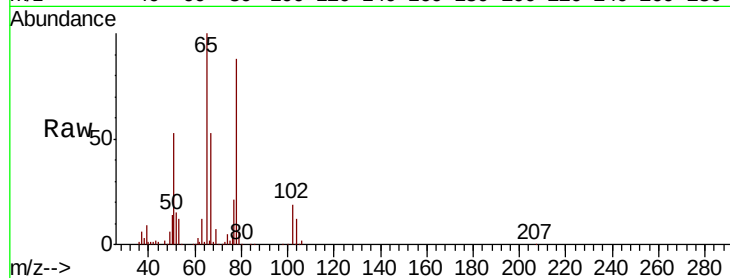
#33  
 1,2-Dichloroethane-d4  
 Concen: 47.895 ug/l  
 RT: 8.00 min Scan# 1938  
 Delta R.T. -0.00 min  
 Lab File: VN059209.D  
 Acq: 13 Nov 2019 10:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1113WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.0  | 0.0   | 107.4 |

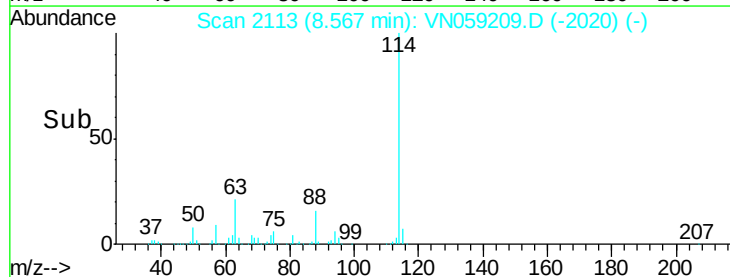
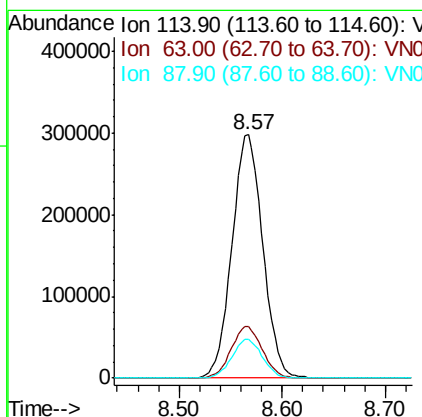
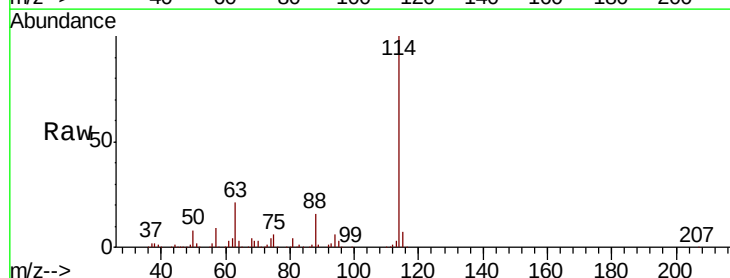
Manual Integrations  
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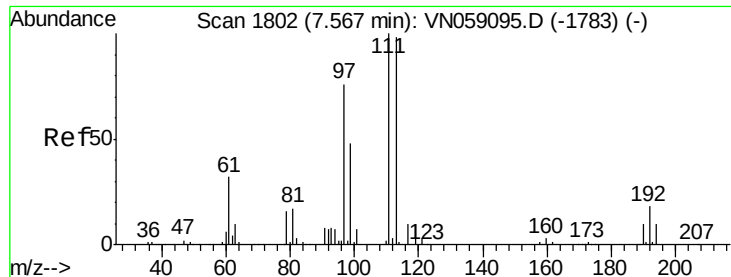
MMDadoda  
 11/14/2019 10:00:16 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. -0.00 min  
 Lab File: VN059209.D  
 Acq: 13 Nov 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.2  | 0.0   | 43.4  |
| 88      | 16.0  | 0.0   | 32.2  |





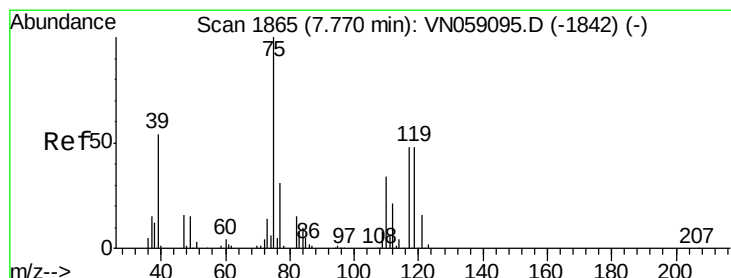
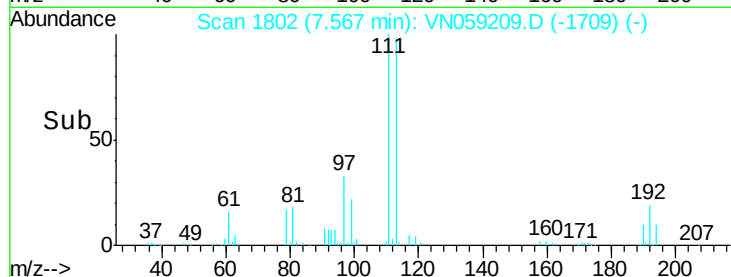
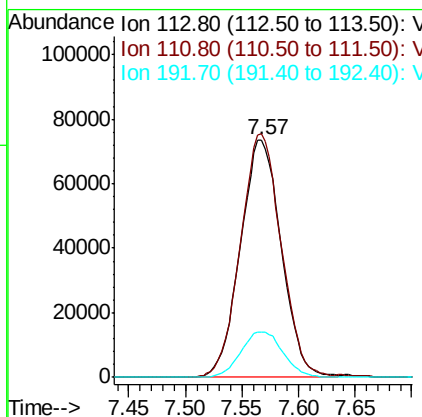
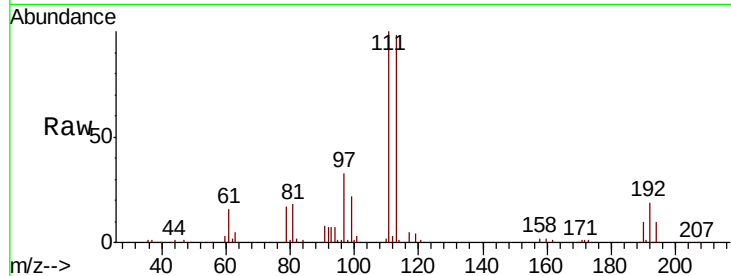
#35  
Dibromofluoromethane  
Concen: 49.931 ug/l  
RT: 7.57 min Scan# 1802  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1113WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 185097 |       |       |
| 111     | 102.0 | 82.8   | 124.2 |       |
| 192     | 19.8  | 16.1   | 24.1  |       |

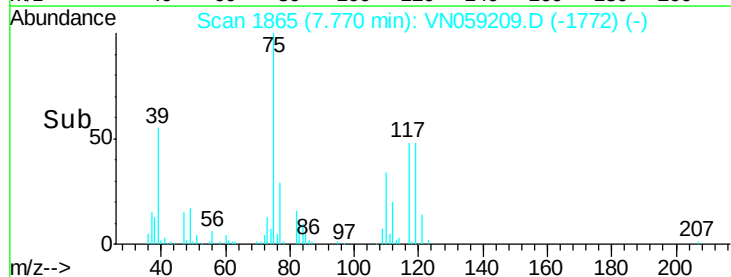
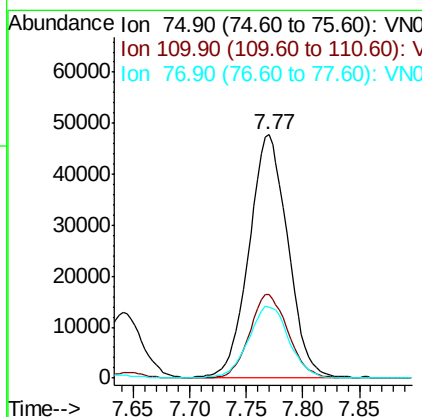
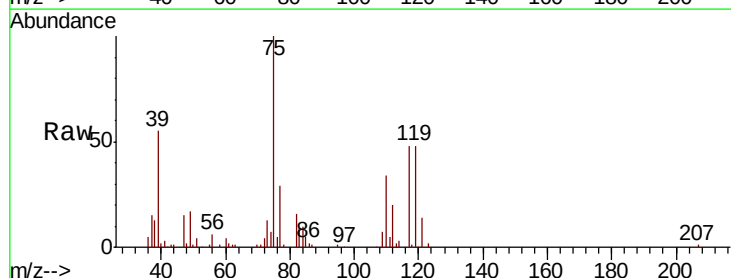
Manual Integrations  
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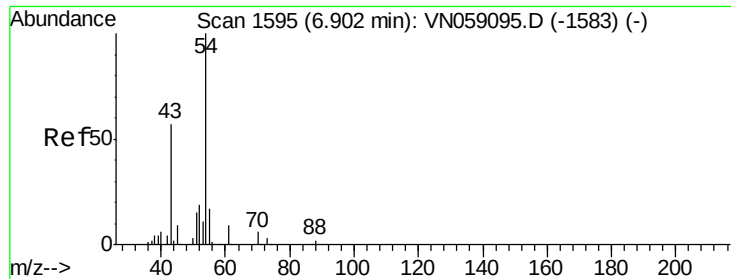
MMDadoda  
11/14/2019 10:00:16 AM



#36  
1,1-Dichloropropene  
Concen: 19.634 ug/l  
RT: 7.77 min Scan# 1865  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 113938 |       |       |
| 110     | 33.9  | 17.1   | 51.2  |       |
| 77      | 30.9  | 24.8   | 37.2  |       |





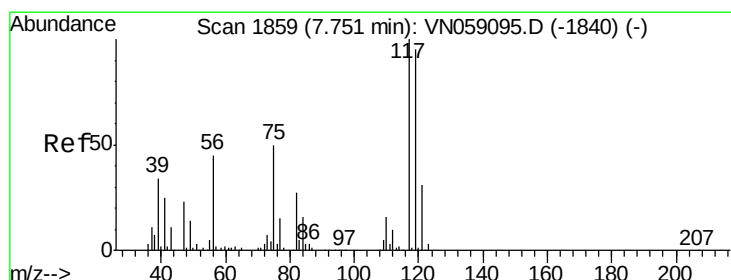
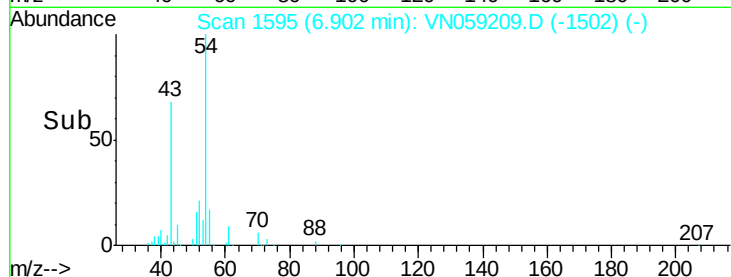
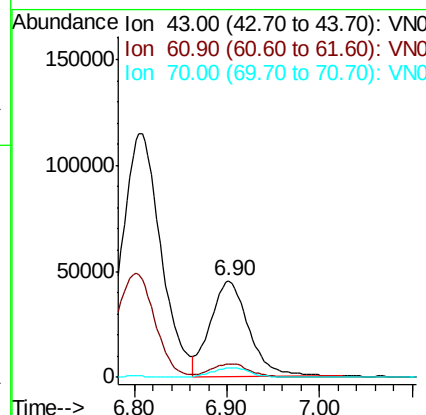
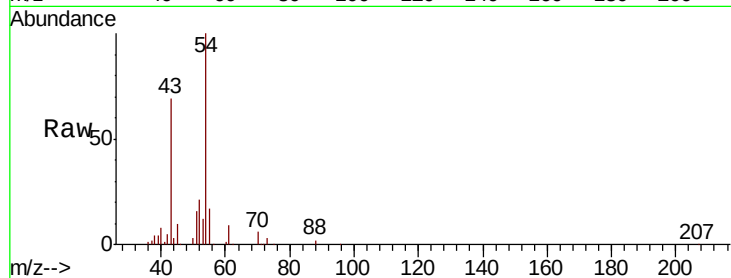
#37  
Ethyl Acetate  
Concen: 20.160 ug/l  
RT: 6.90 min Scan# 1595  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1113WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.3  | 11.2  | 16.8  |
| 70      | 9.7   | 7.8   | 11.8  |

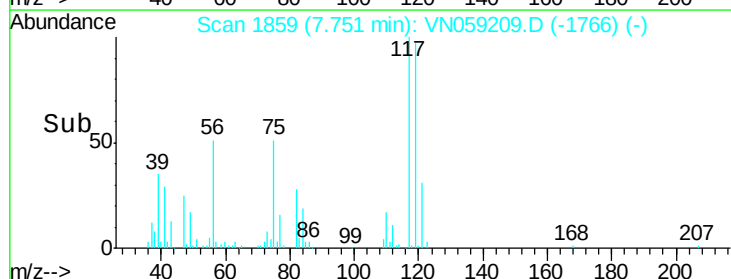
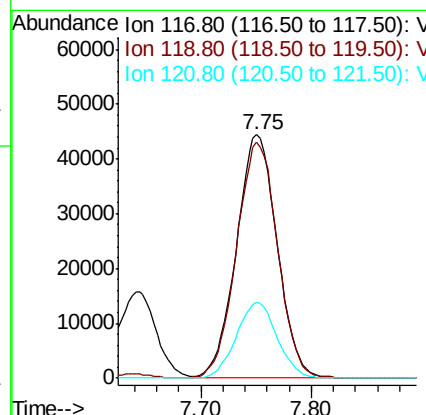
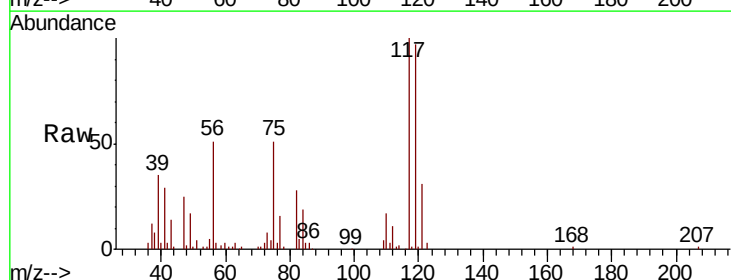
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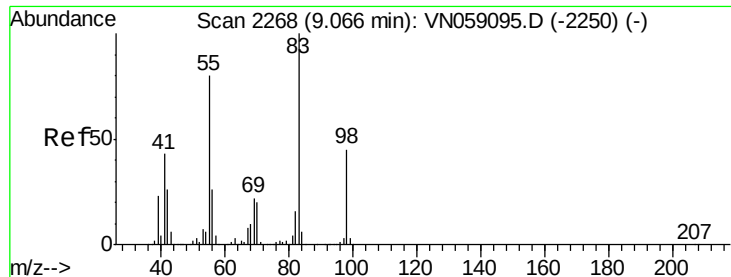


#38  
Carbon Tetrachloride  
Concen: 19.697 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.9  | 75.6  | 113.4 |
| 121     | 31.2  | 24.6  | 36.8  |







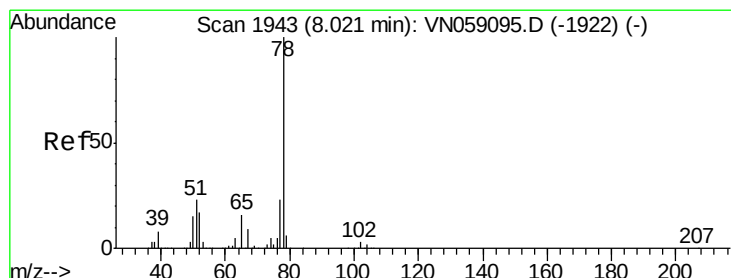
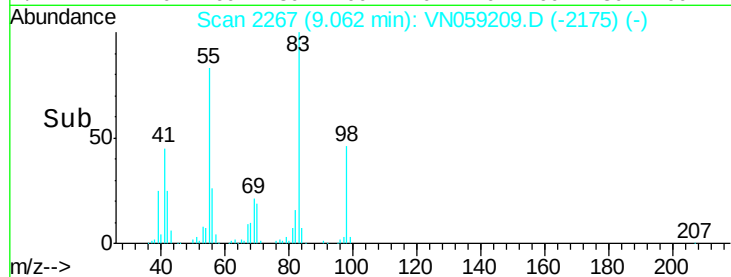
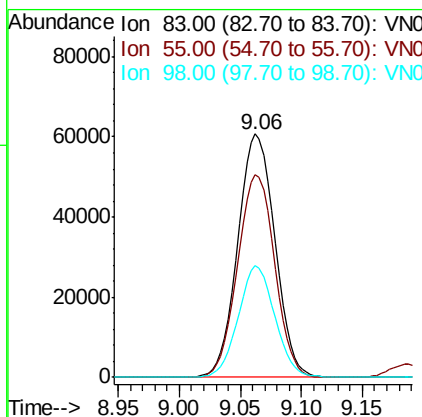
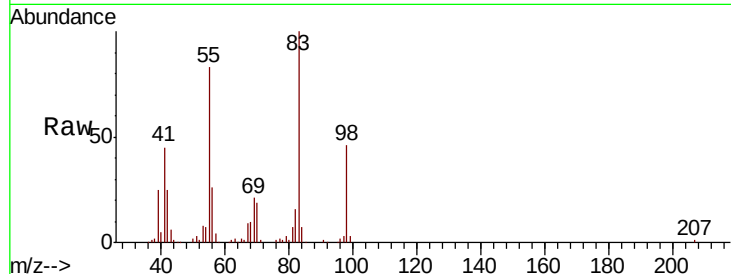
#39  
Methylvlcyclohexane  
Concen: 18.981 ug/l  
RT: 9.06 min Scan# 2267  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1113WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 127840 |       |       |
| 55      | 83.3  | 63.9   | 95.9  |       |
| 98      | 45.7  | 35.6   | 53.4  |       |

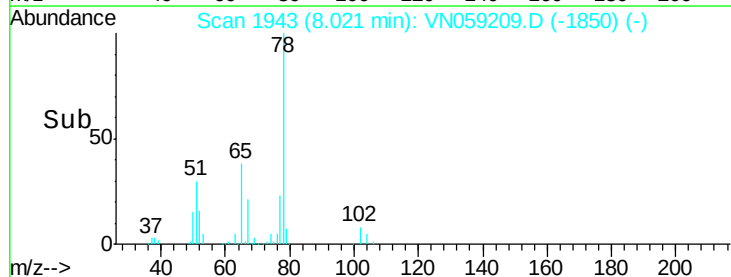
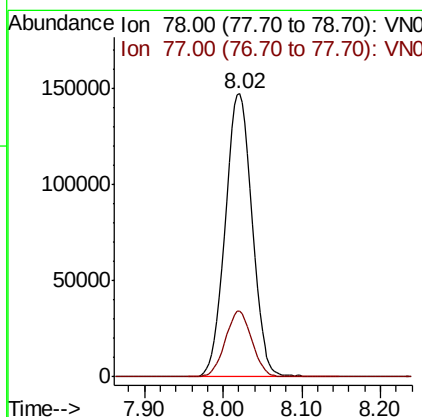
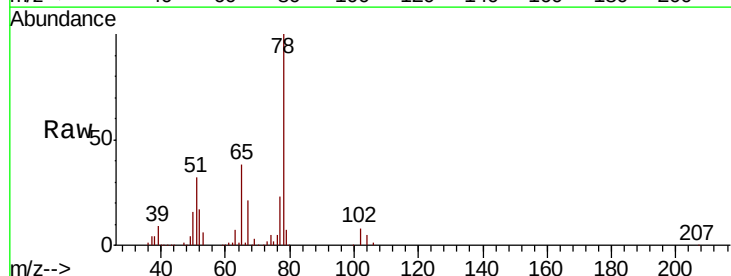
Manual Integrations  
APPROVED

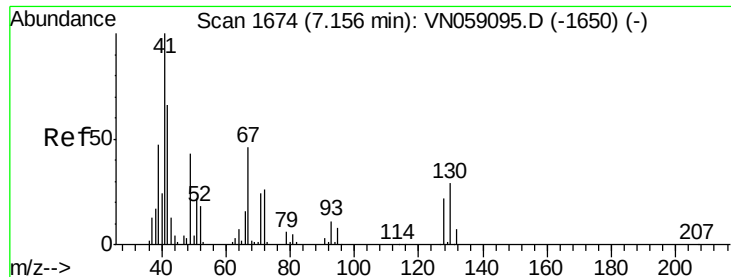
MMDadoda  
11/14/2019 10:00:16 AM



#40  
Benzene  
Concen: 19.836 ug/l  
RT: 8.02 min Scan# 1943  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 346642 |       |       |
| 77      | 23.4  | 18.8   | 28.2  |       |





#41

Methacrylonitrile

Concen: 21.670 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 41 Resp: 60833

Ion Ratio Lower Upper

41 100

39 53.5 0.0 0.0#

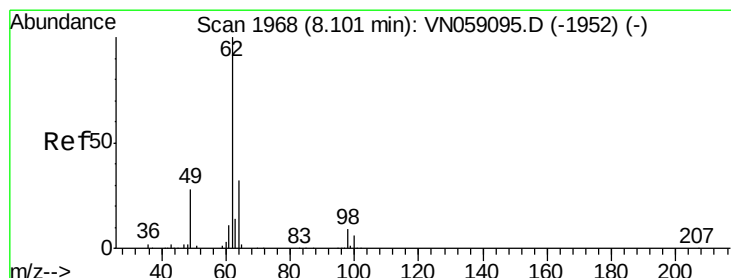
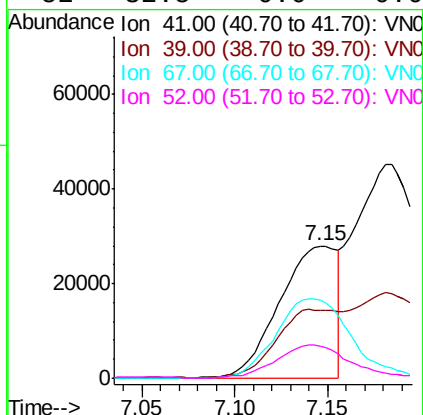
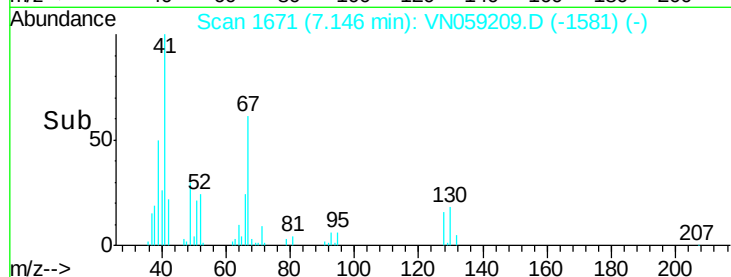
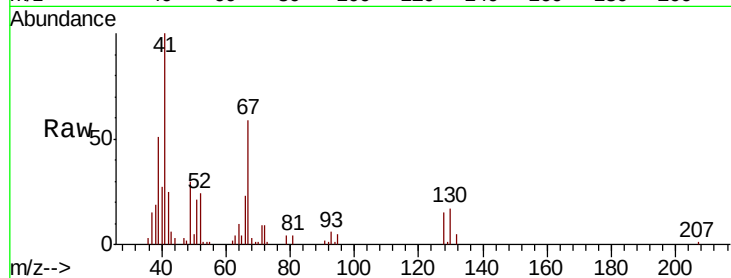
67 79.3 0.0 0.0#

52 32.5 0.0 0.0#

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#42

1,2-Dichloroethane

Concen: 20.468 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VN059209.D

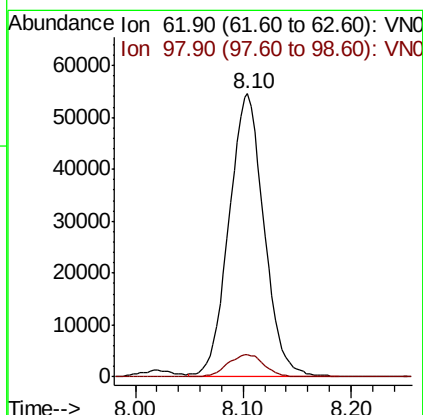
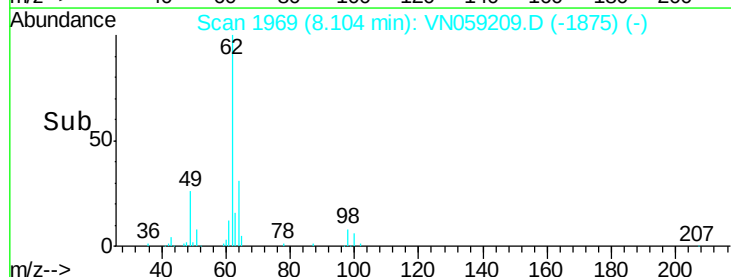
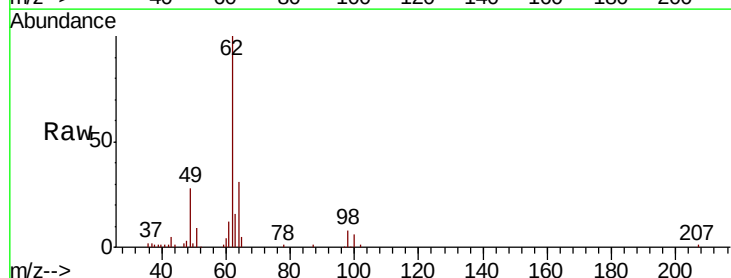
Acq: 13 Nov 2019 10:28

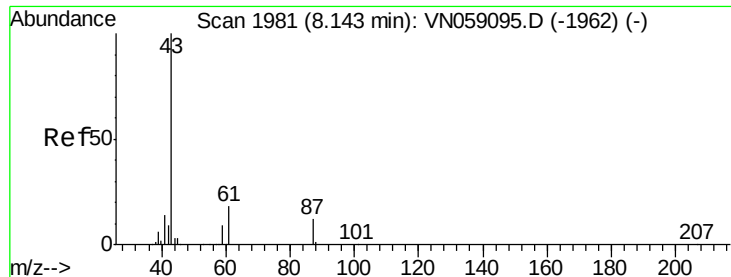
Tgt Ion: 62 Resp: 122678

Ion Ratio Lower Upper

62 100

98 8.3 0.0 17.8





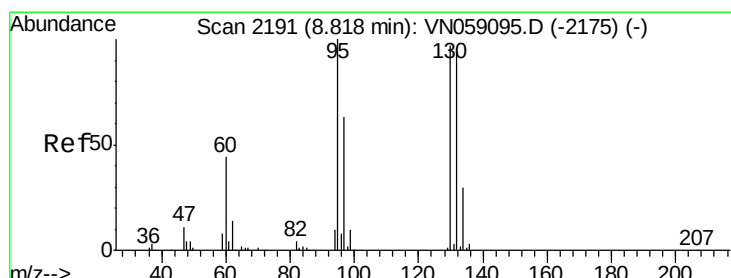
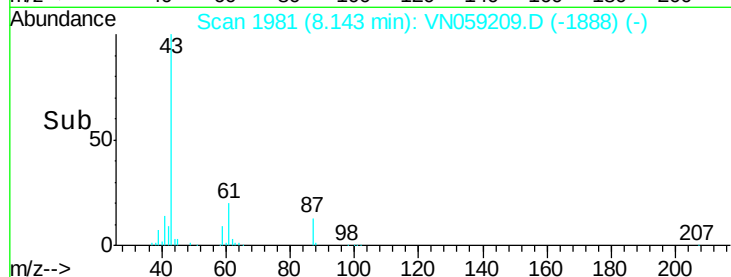
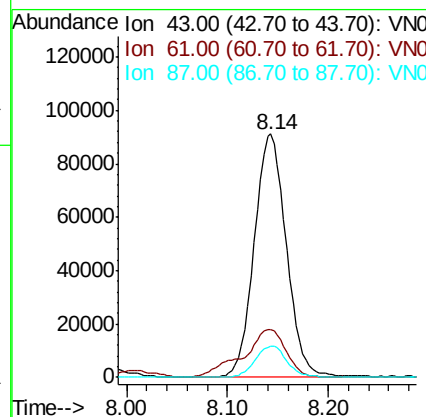
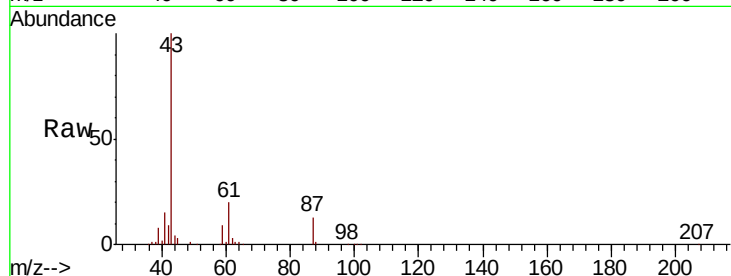
#43  
Isopropyl Acetate  
Concen: 19.342 ug/l  
RT: 8.14 min Scan# 1981  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1113WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 26.9  | 21.0  | 31.6  |
| 87      | 12.9  | 9.8   | 14.6  |

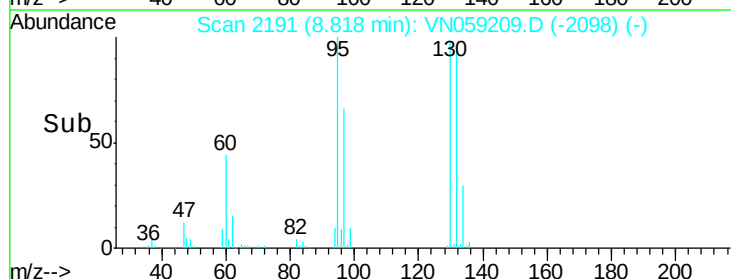
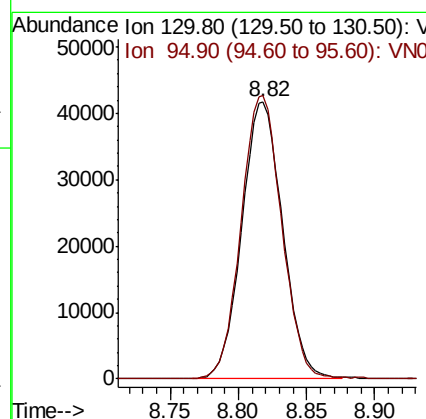
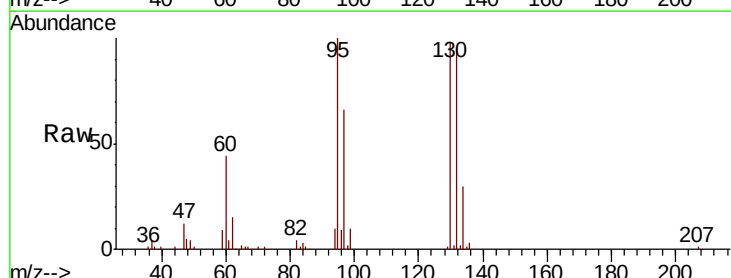
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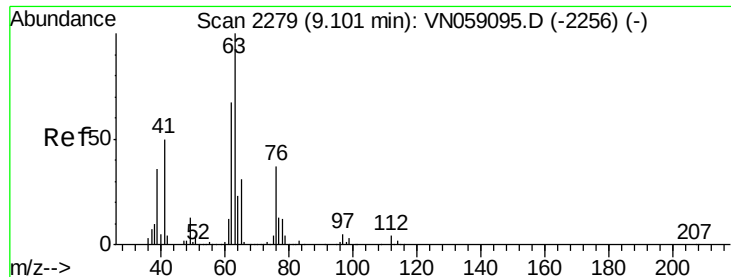
MMDadoda  
11/14/2019 10:00:16 AM



#44  
Trichloroethene  
Concen: 20.171 ug/l  
RT: 8.82 min Scan# 2191  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 102.2 | 0.0   | 206.4 |





#45

1,2-Dichloropropane

Concen: 20.376 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 63 Resp: 96716

Ion Ratio Lower Upper

63 100

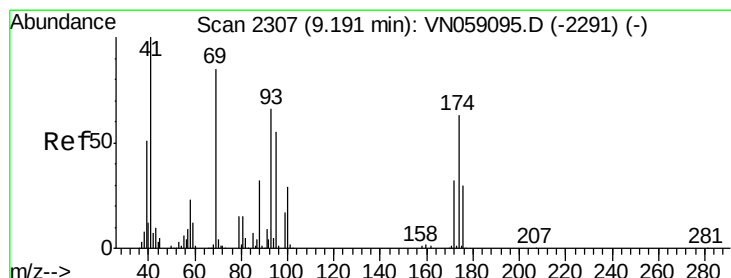
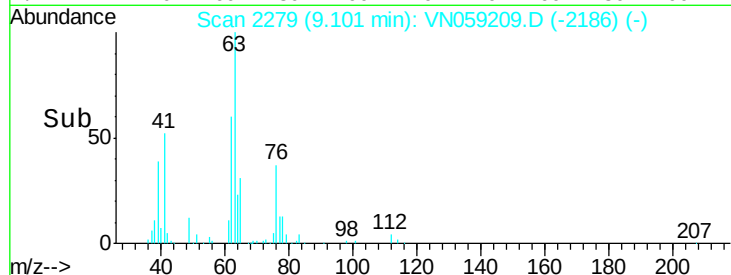
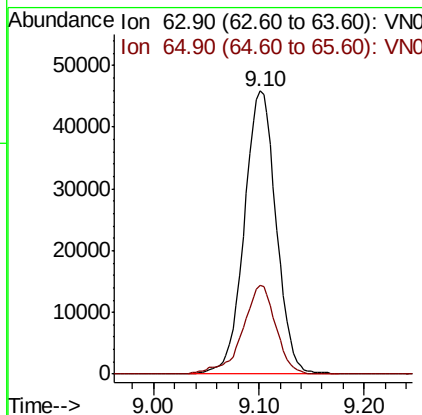
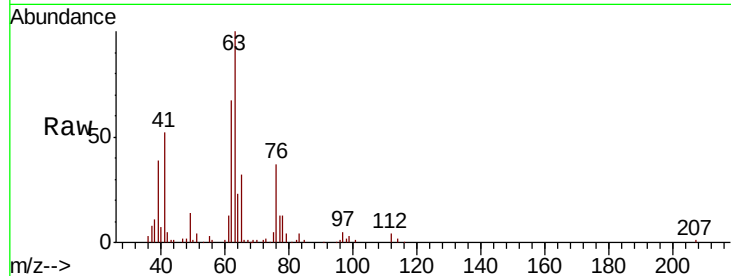
65 31.5 24.6 37.0

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11/14/2019 10:00:16 AM



#46

Dibromomethane

Concen: 19.880 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

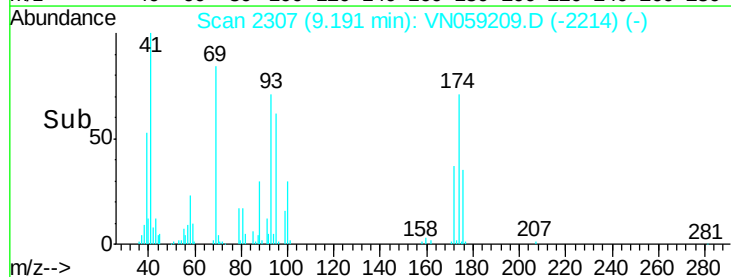
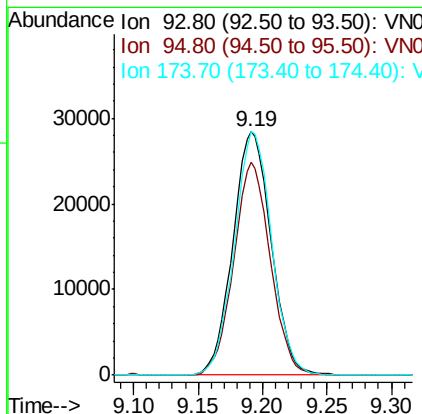
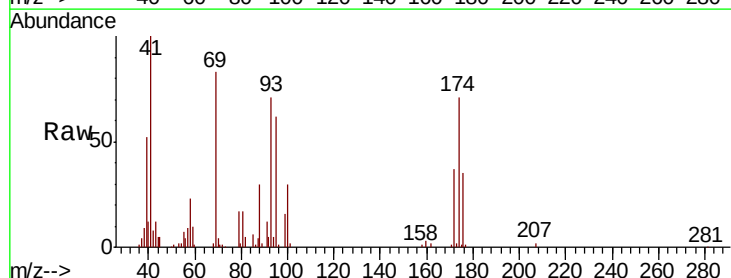
Tgt Ion: 93 Resp: 58803

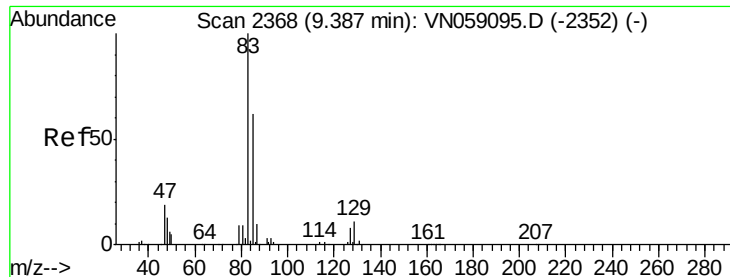
Ion Ratio Lower Upper

93 100

95 83.2 66.6 100.0

174 97.1 78.2 117.2





#47

Bromodichloromethane

Concen: 20.616 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

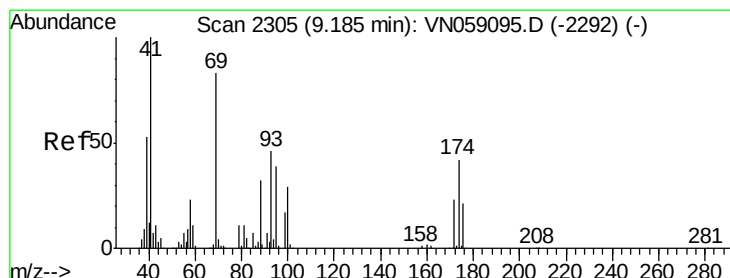
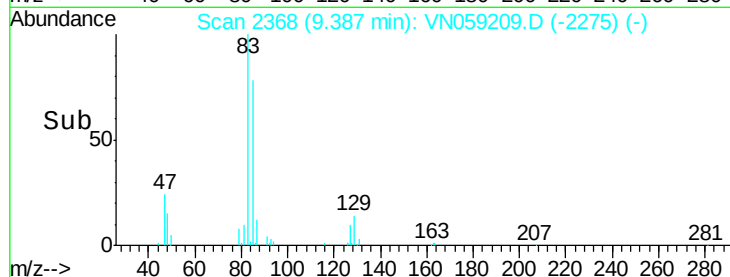
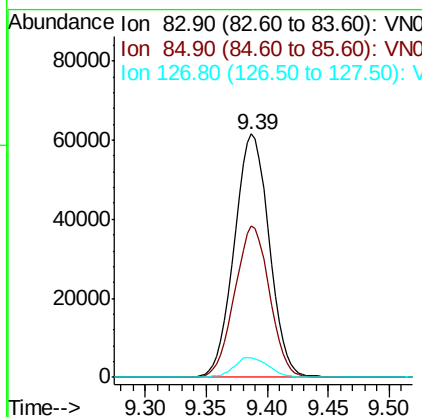
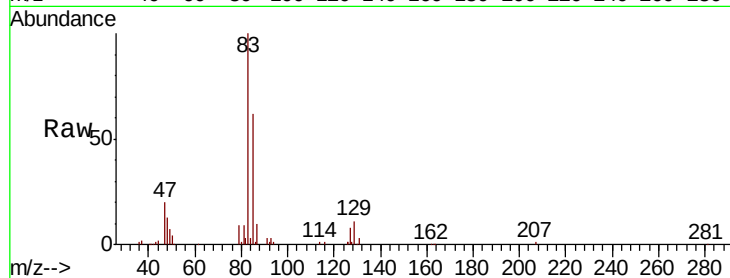
ClientSampleId :

VN1113WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 121763 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 62.3  | 49.7  | 74.5   |
| 127      | 8.1   | 6.4   | 9.6    |

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#48

Methyl methacrylate

Concen: 19.115 ug/l

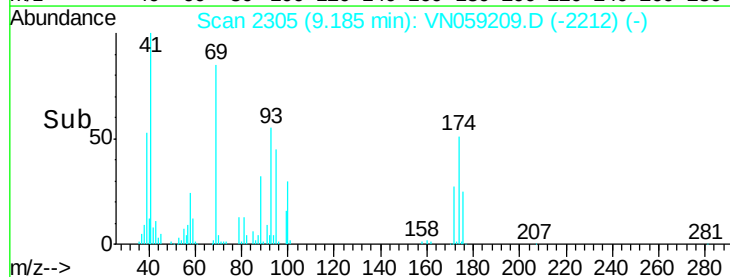
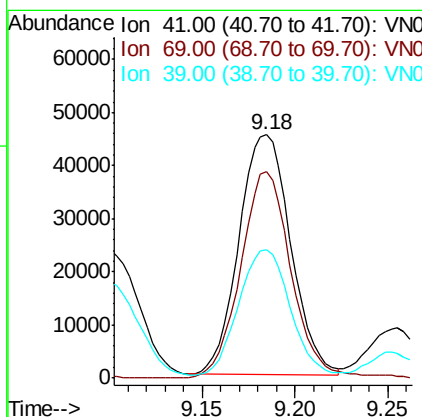
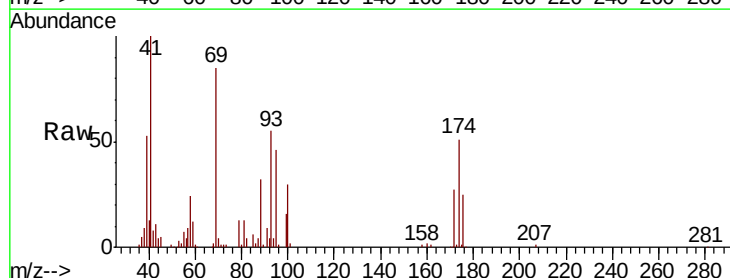
RT: 9.18 min Scan# 2305

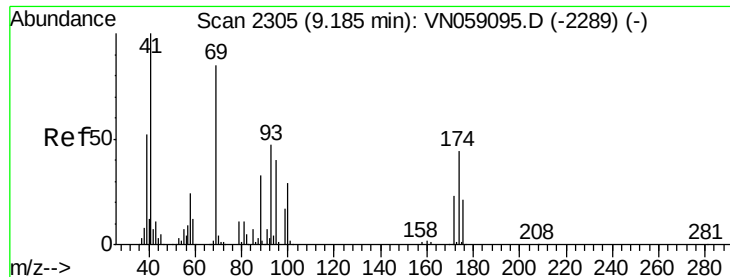
Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 87997 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 84.4  | 67.3  | 100.9 |
| 39       | 54.0  | 43.3  | 64.9  |





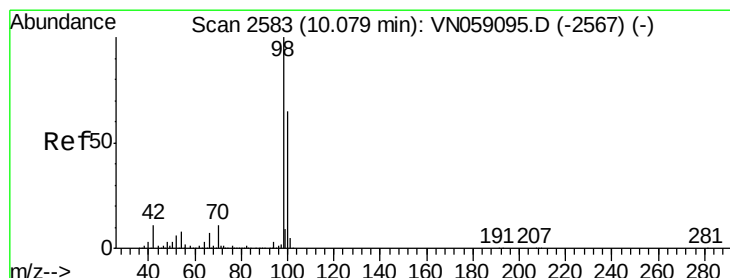
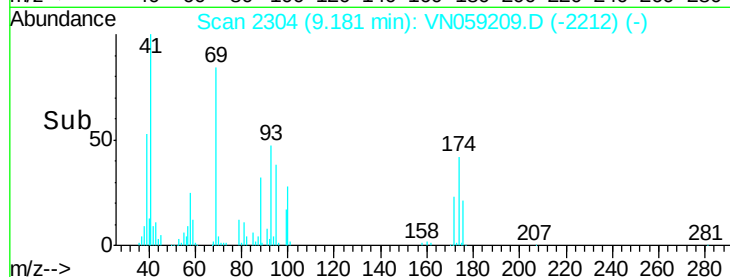
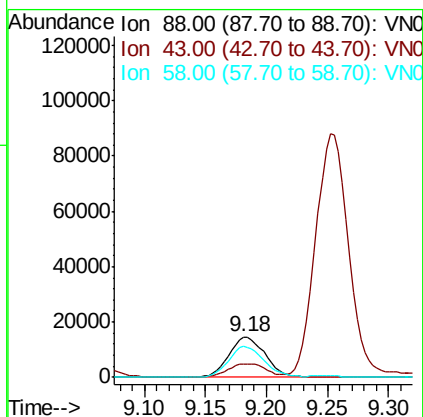
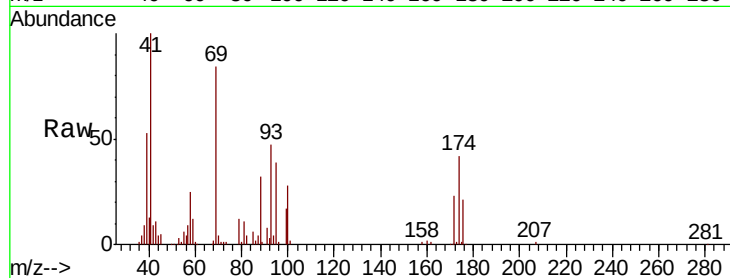
#49  
1,4-Dioxane  
Concen: 372.063 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1113WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 35.9  | 26.3  | 39.5  |
| 58      | 75.4  | 60.6  | 90.8  |

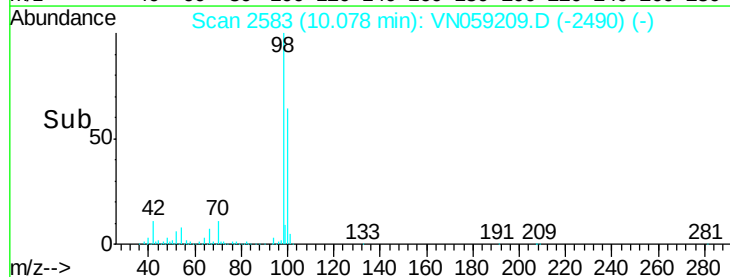
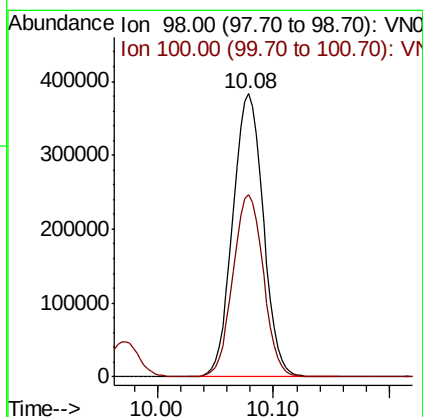
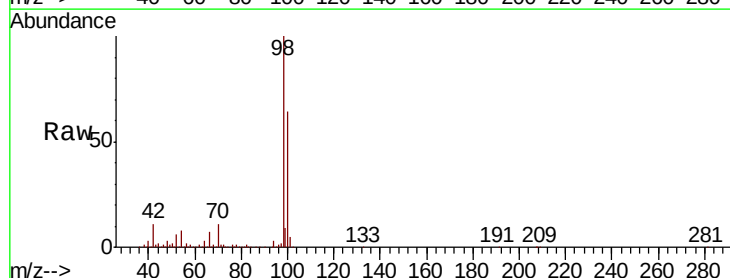
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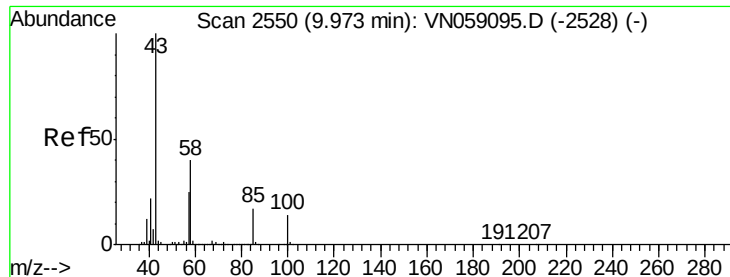
MMDadoda  
11/14/2019 10:00:16 AM



#50  
Toluene-d8  
Concen: 47.881 ug/l  
RT: 10.08 min Scan# 2583  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.1  | 52.2  | 78.2  |





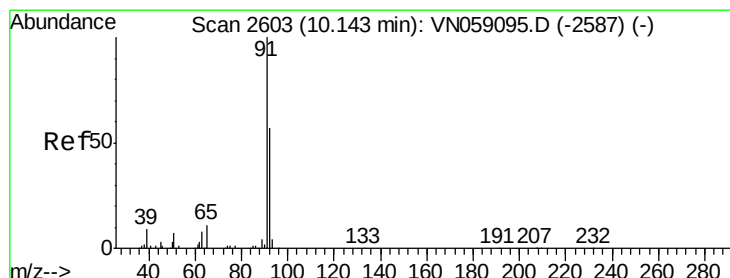
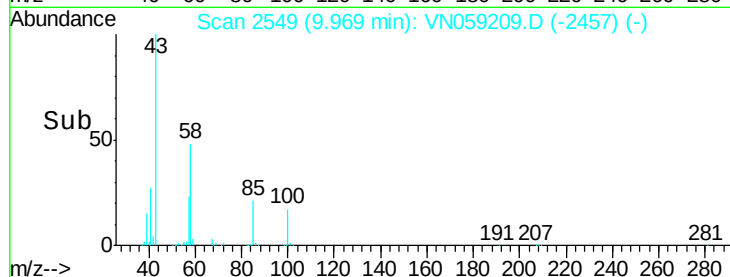
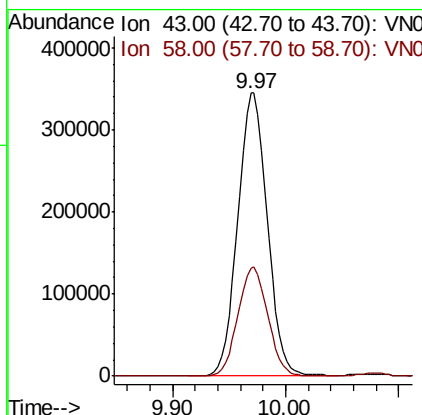
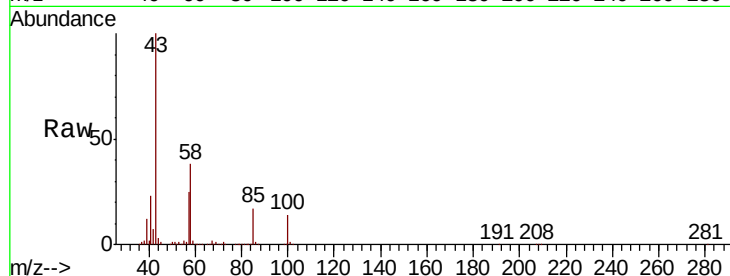
#51  
4-Methyl-2-Pentanone  
Concen: 107.917 ug/l  
RT: 9.97 min Scan# 2549  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1113WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 38.9  | 31.5  | 47.3  |

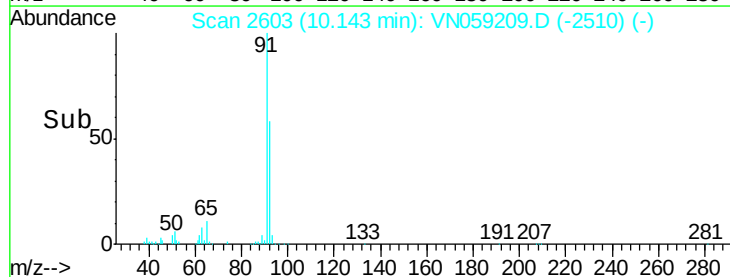
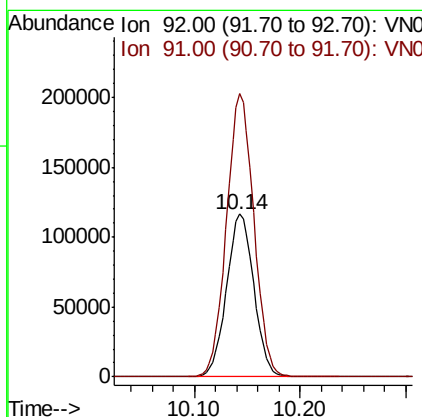
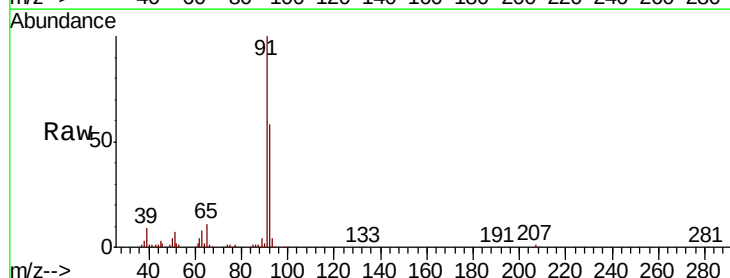
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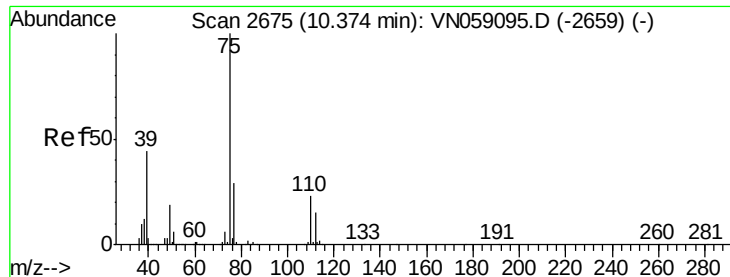
MMDadoda  
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#52  
Toluene  
Concen: 19.958 ug/l  
RT: 10.14 min Scan# 2603  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 174.0 | 139.5 | 209.3 |





#53

t-1,3-Dichloropropene

Concen: 19.507 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 75 Resp: 133112

Ion Ratio Lower Upper

75 100

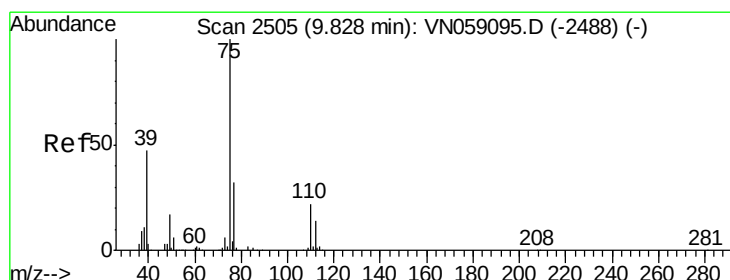
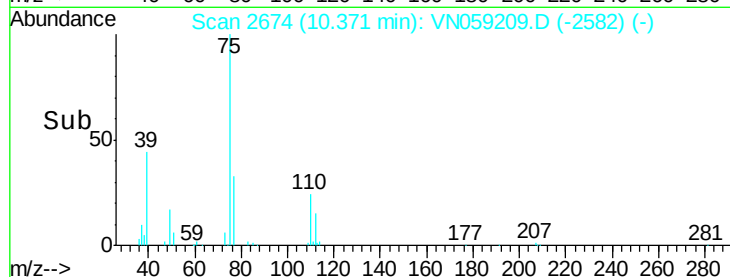
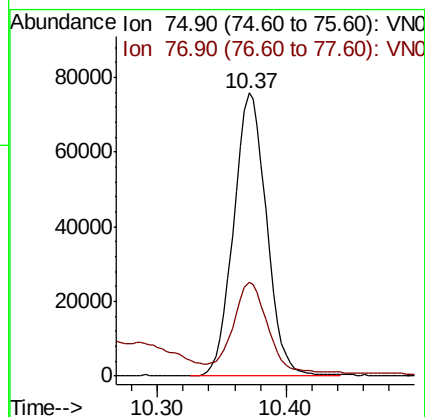
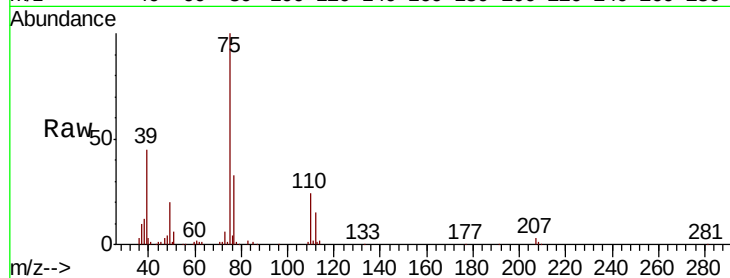
77 31.9 25.3 37.9

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MMDadoda

11/14/2019 10:00:16 AM



#54

cis-1,3-Dichloropropene

Concen: 20.053 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

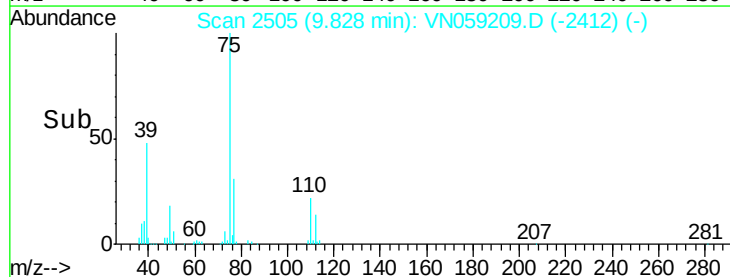
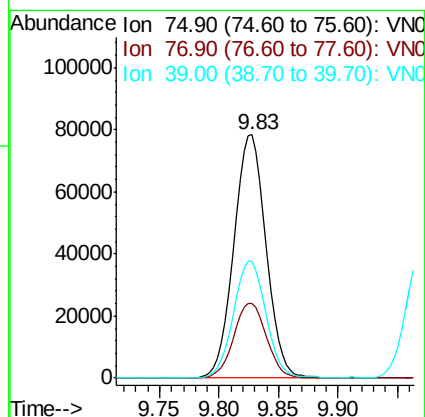
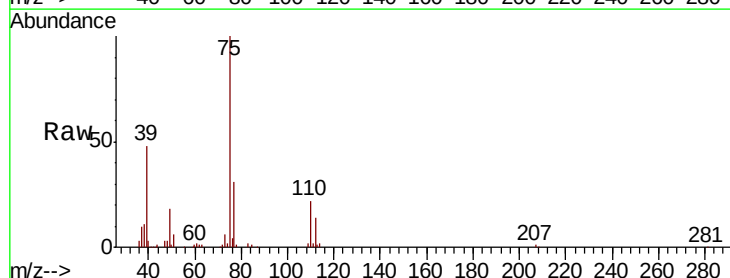
Tgt Ion: 75 Resp: 147188

Ion Ratio Lower Upper

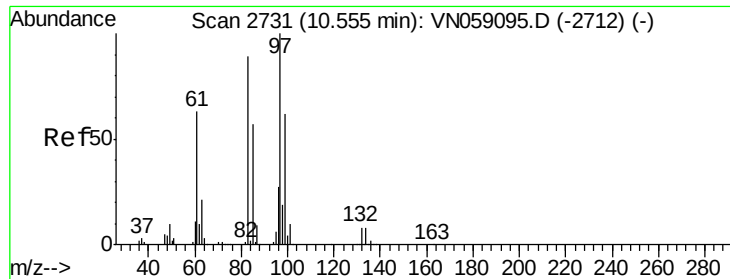
75 100

77 30.8 25.5 38.3

39 47.6 37.3 55.9







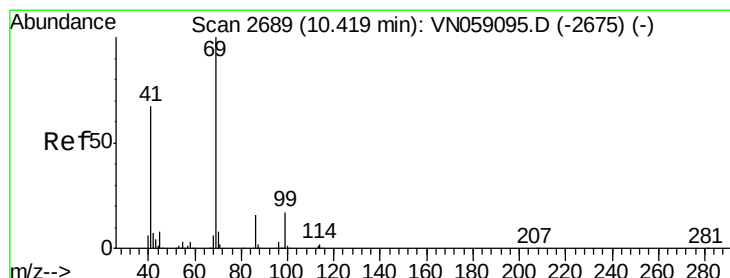
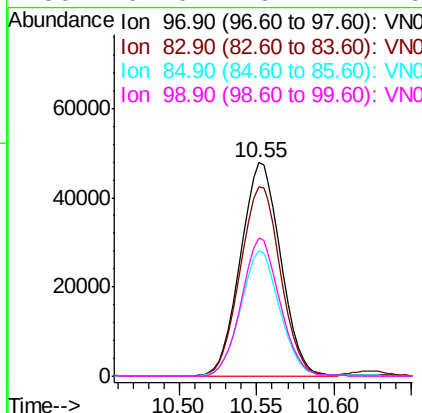
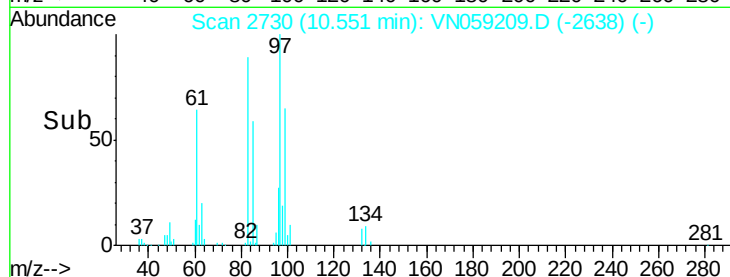
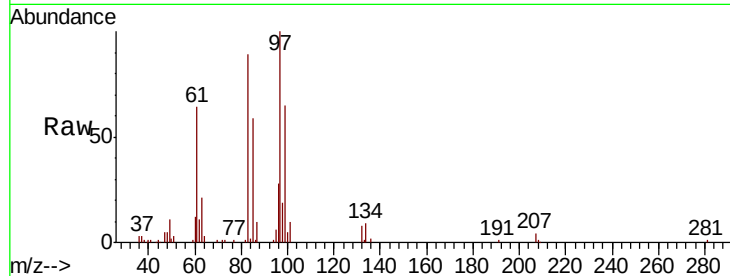
#55  
 1,1,2-Trichloroethane  
 Concen: 20.494 ug/l  
 RT: 10.55 min Scan# 2730  
 Delta R.T. -0.00 min  
 Lab File: VN059209.D  
 Acq: 13 Nov 2019 10:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1113WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 86872 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 88.9  | 71.0  | 106.4 |
| 85       | 58.6  | 45.8  | 68.8  |
| 99       | 64.6  | 49.4  | 74.0  |

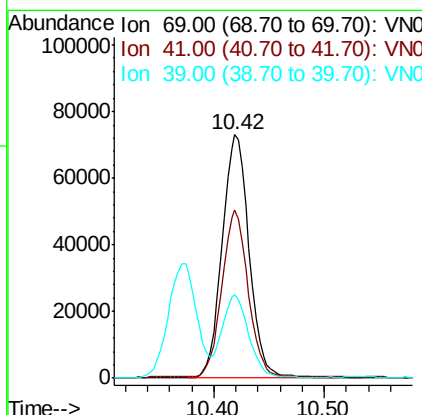
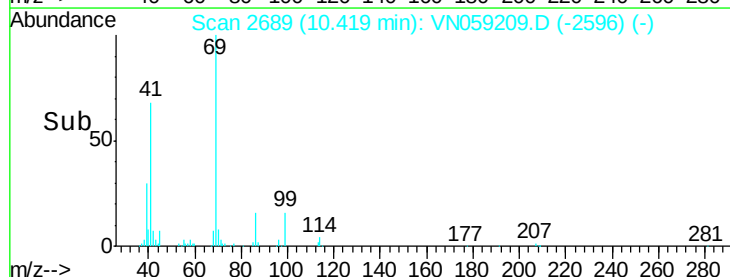
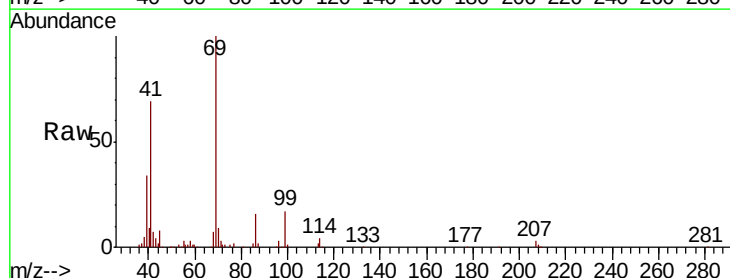
Manual Integrations  
 APPROVED

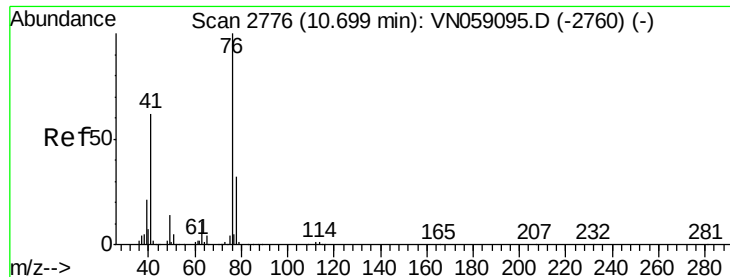
MMDadoda  
 11/14/2019 10:00:16 AM



#56  
 Ethyl methacrylate  
 Concen: 18.738 ug/l  
 RT: 10.42 min Scan# 2689  
 Delta R.T. 0.00 min  
 Lab File: VN059209.D  
 Acq: 13 Nov 2019 10:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 123875 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 66.1  | 53.6  | 80.4   |
| 39       | 33.7  | 26.2  | 39.4   |





#57

1,3-Dichloropropane

Concen: 20.566 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 76 Resp: 150046

Ion Ratio Lower Upper

76 100

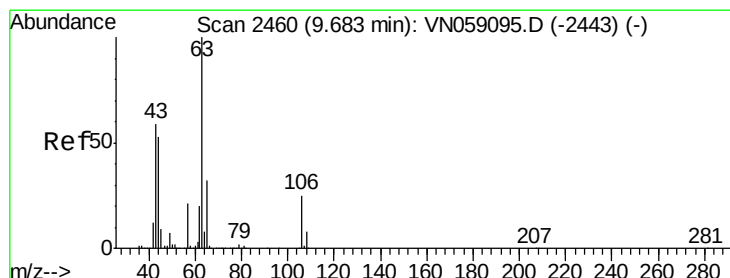
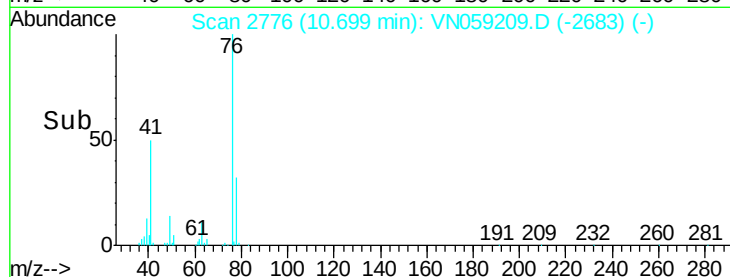
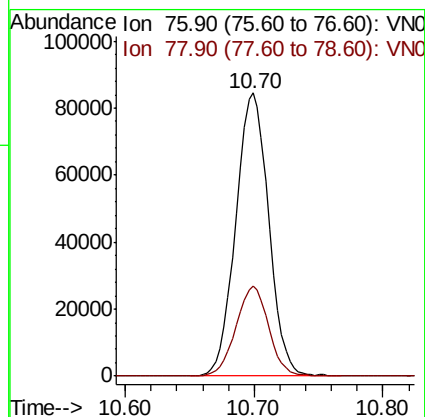
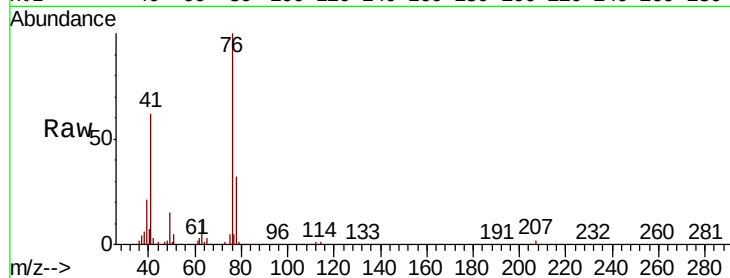
78 31.5 25.8 38.8

Manual Integrations

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MMDadoda

11/14/2019 10:00:16 AM



#58

2-Chloroethyl Vinyl ether

Concen: 104.321 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059209.D

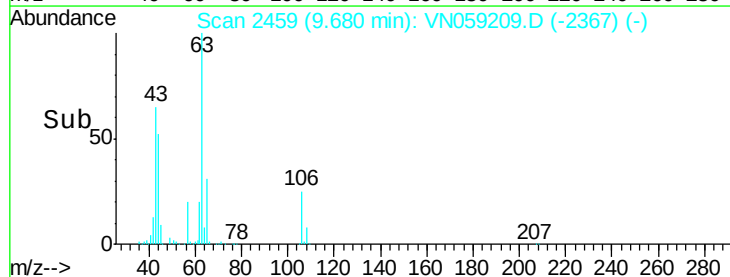
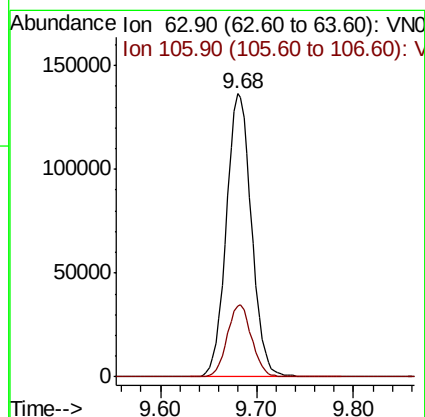
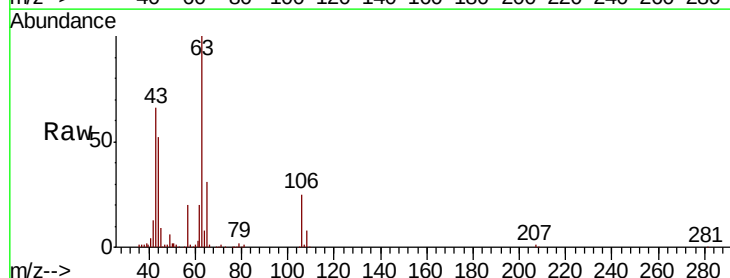
Acq: 13 Nov 2019 10:28

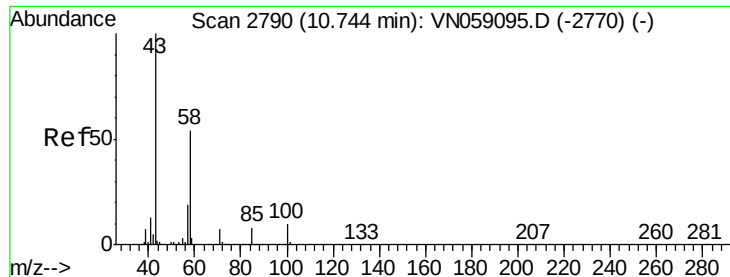
Tgt Ion: 63 Resp: 246105

Ion Ratio Lower Upper

63 100

106 24.9 20.2 30.2





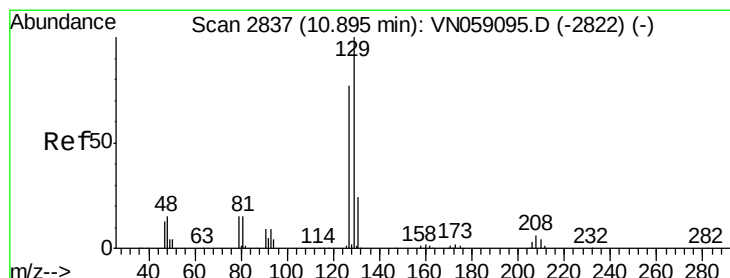
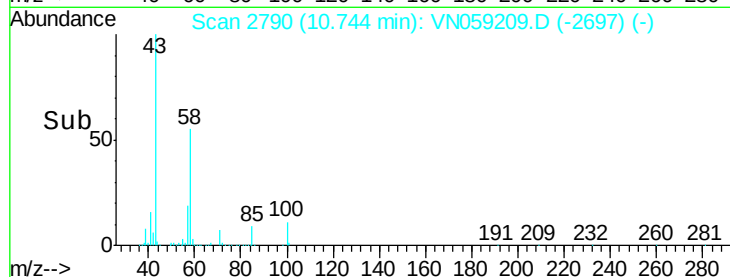
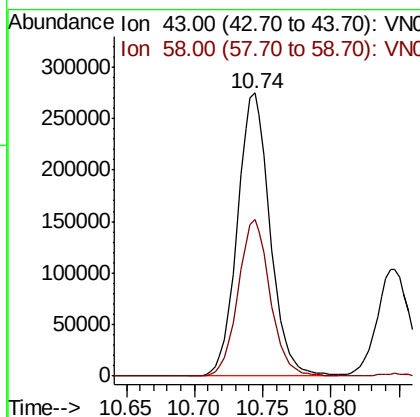
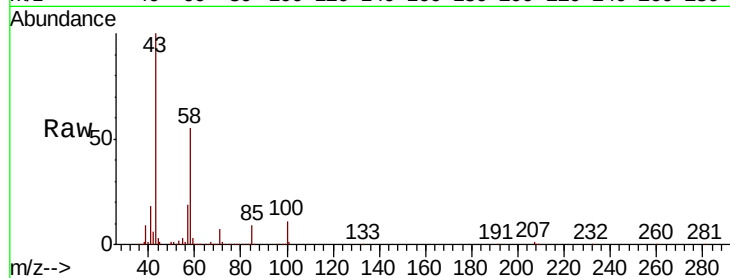
#59  
2-Hexanone  
Concen: 101.618 ug/l  
RT: 10.74 min Scan# 2790  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1113WBSD01

| Tot Ion   | 43   | Resp  | 454221 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 54.4 | 27.3  | 81.8   |

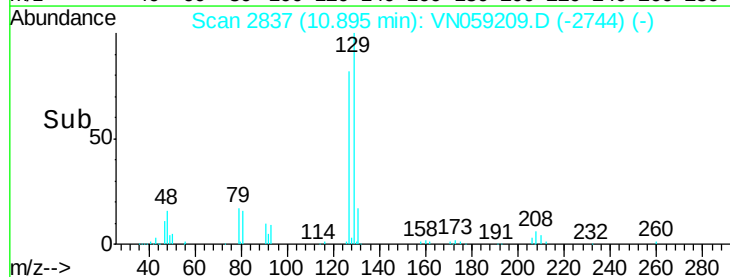
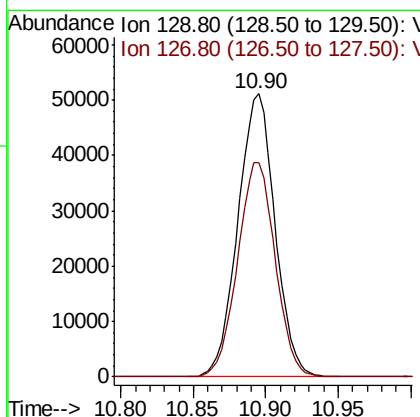
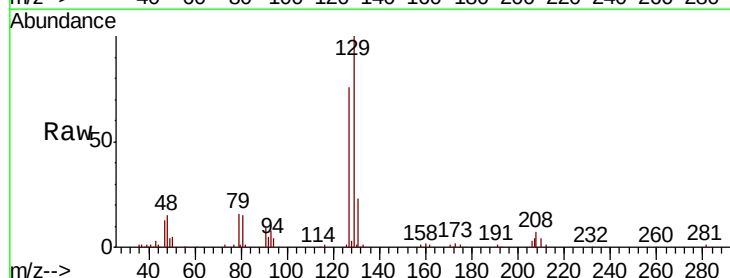
Manual Integrations  
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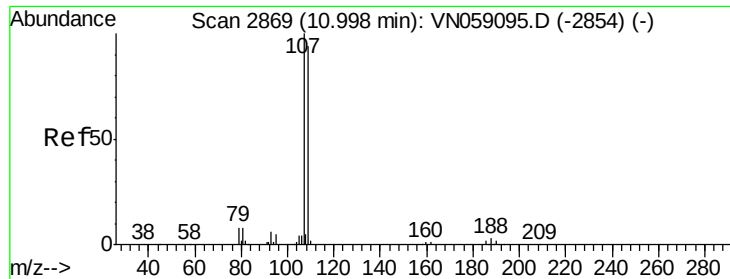
MMDadoda  
11/14/2019 10:00:16 AM



#60  
Dibromochloromethane  
Concen: 20.304 ug/l  
RT: 10.90 min Scan# 2837  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

| Tgt Ion   | 129  | Resp  | 91001 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 129       | 100  |       |       |
| 127       | 76.7 | 38.6  | 115.8 |





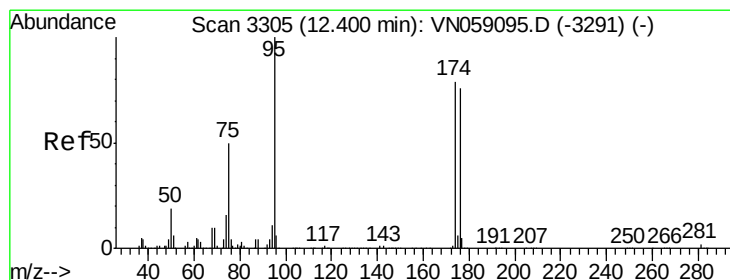
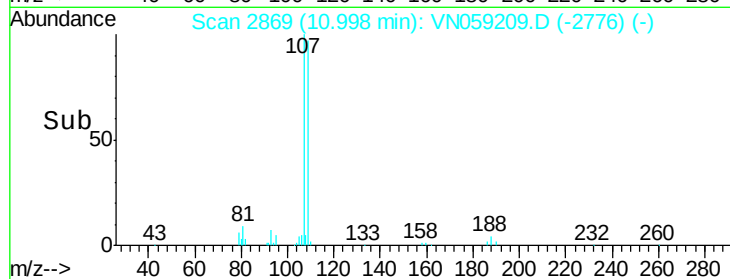
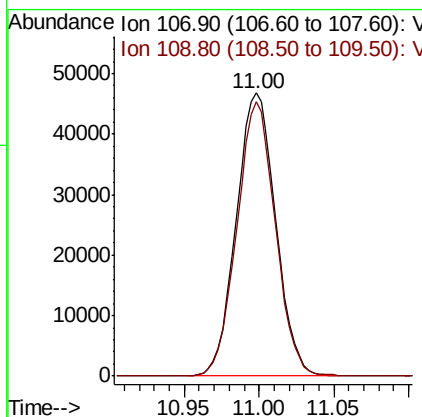
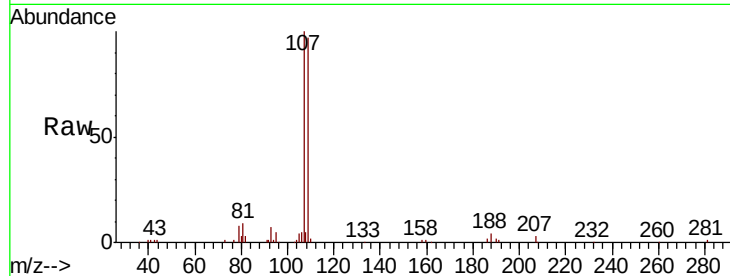
#61  
 1,2-Dibromoethane  
 Concen: 19.978 ug/l  
 RT: 11.00 min Scan# 2869  
 Delta R.T. -0.00 min  
 Lab File: VN059209.D  
 Acq: 13 Nov 2019 10:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1113WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.6  | 75.5  | 113.3 |

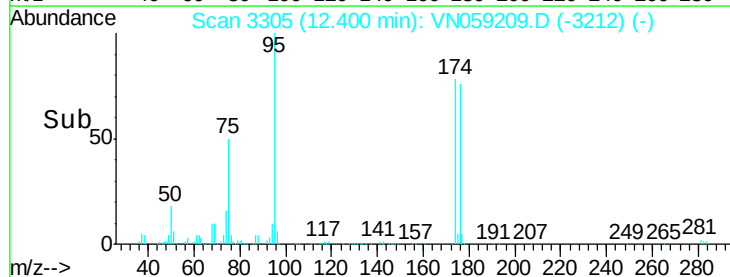
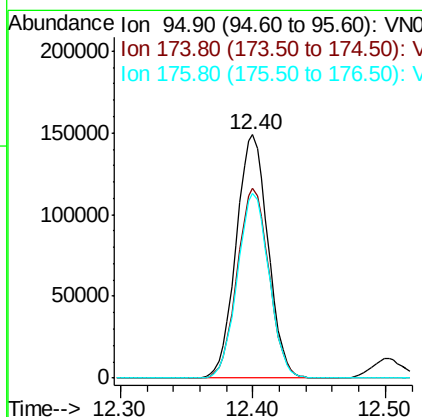
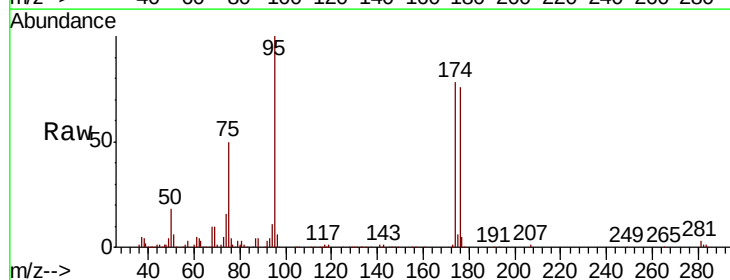
Manual Integrations  
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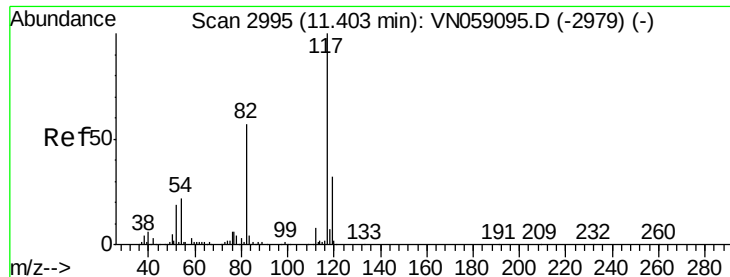
MMDadoda  
 11/14/2019 10:00:16 AM



#62  
 4-Bromofluorobenzene  
 Concen: 47.261 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. -0.00 min  
 Lab File: VN059209.D  
 Acq: 13 Nov 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 77.6  | 0.0   | 158.2 |
| 176     | 75.4  | 0.0   | 151.8 |





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

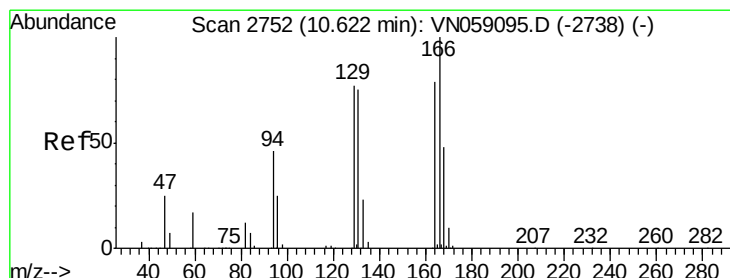
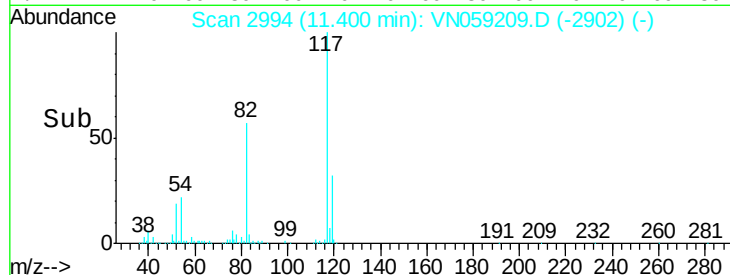
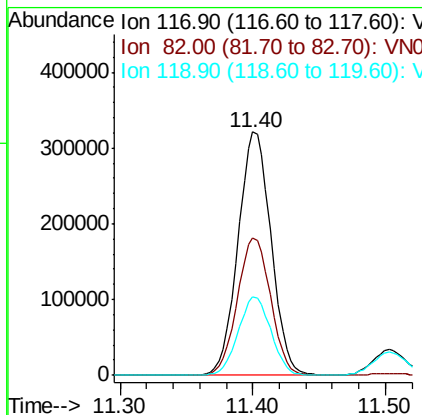
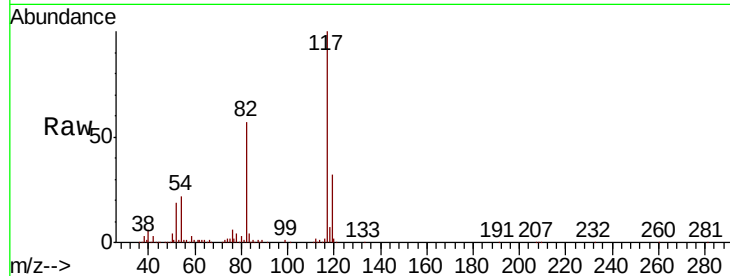
ClientSampleId :

VN1113WBSD01

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 117  | Resp: | 556179 |
| Ion Ratio |      | Lower | Upper  |
| 117       | 100  |       |        |
| 82        | 56.6 | 45.8  | 68.8   |
| 119       | 32.4 | 25.8  | 38.6   |

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11/14/2019 10:00:16 AM



#64

Tetrachloroethene

Concen: 19.780 ug/l

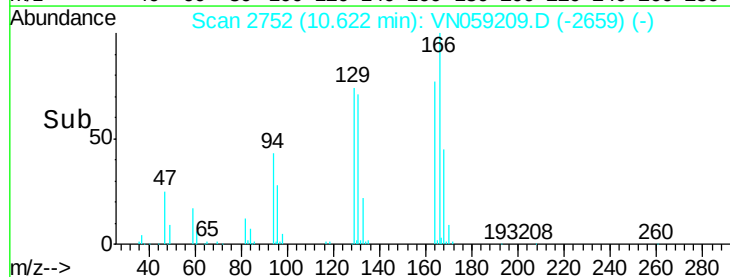
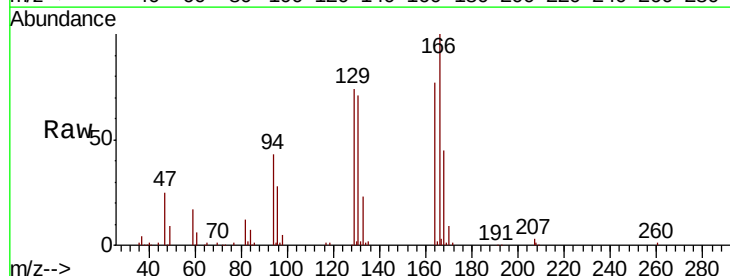
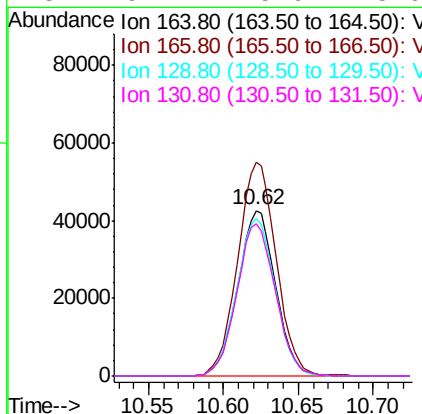
RT: 10.62 min Scan# 2752

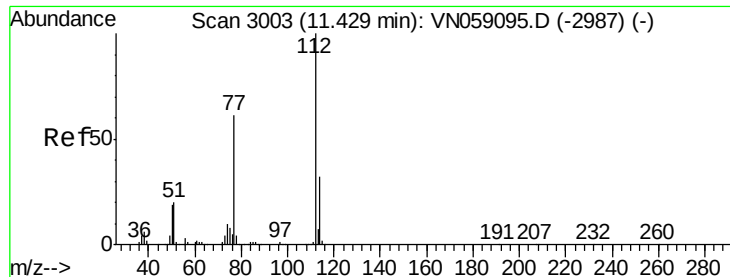
Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 74806 |
| Ion Ratio |       | Lower | Upper |
| 164       | 100   |       |       |
| 166       | 129.1 | 101.5 | 152.3 |
| 129       | 94.9  | 78.3  | 117.5 |
| 131       | 91.7  | 75.9  | 113.9 |





#65

Chlorobenzene

Concen: 20.376 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1113WBSD01

Tot Ion:112 Resp: 220916

Ion Ratio Lower Upper

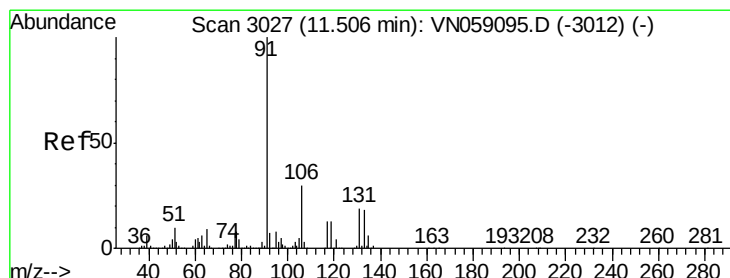
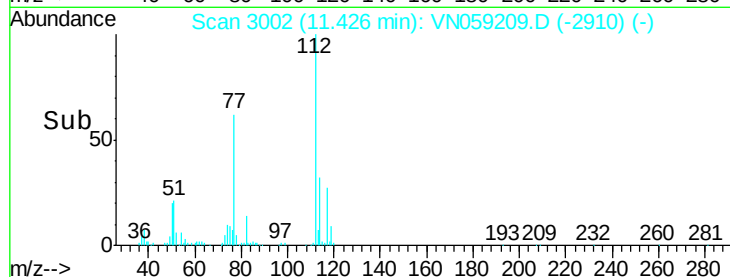
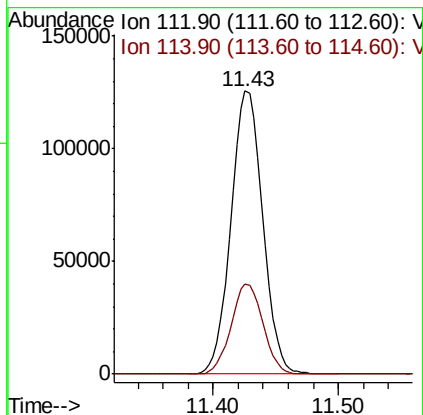
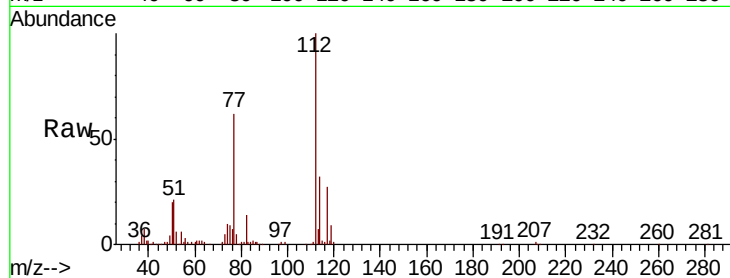
112 100

114 31.9 25.2 37.8

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.031 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

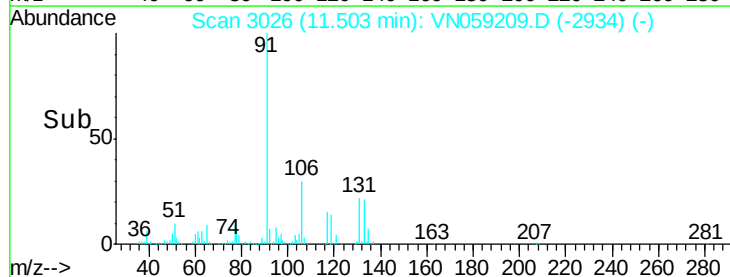
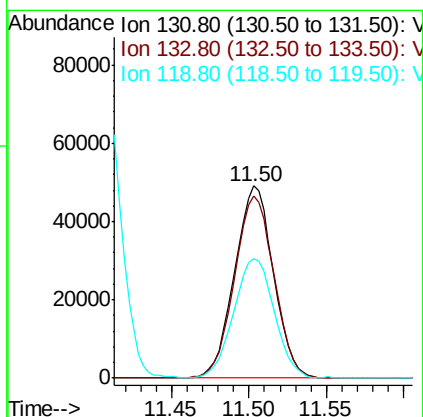
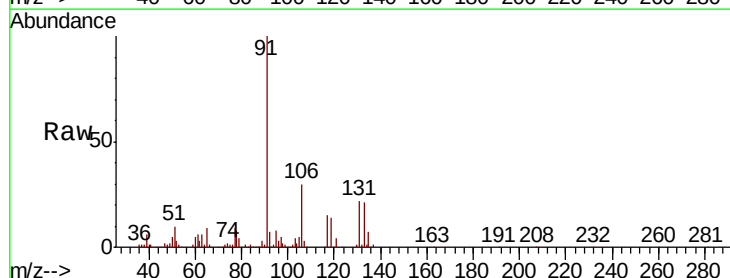
Tgt Ion:131 Resp: 85537

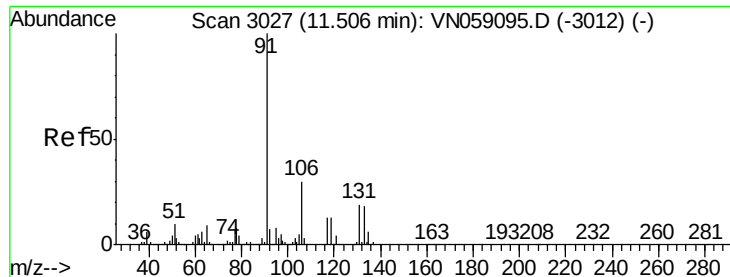
Ion Ratio Lower Upper

131 100

133 96.6 47.4 142.3

119 64.3 33.2 99.6





#67

Ethyl Benzene

Concen: 20.389 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 91 Resp: 392208

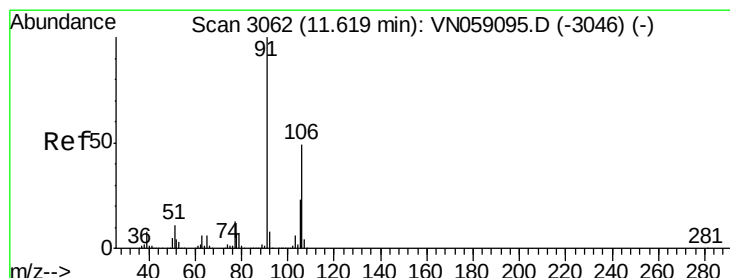
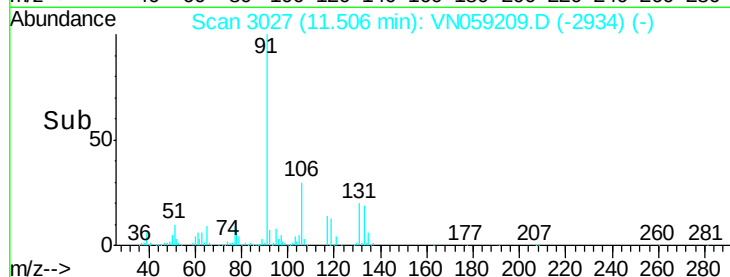
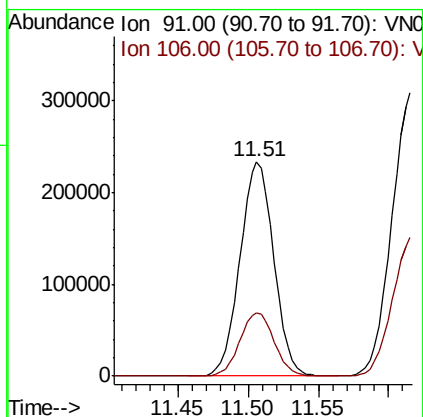
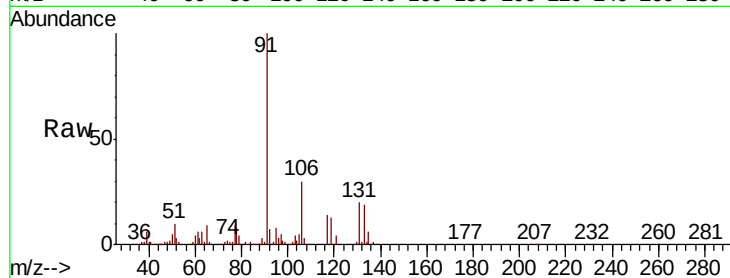
Ion Ratio Lower Upper

91 100

106 29.5 24.1 36.1

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#68

m/p-Xylenes

Concen: 40.156 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059209.D

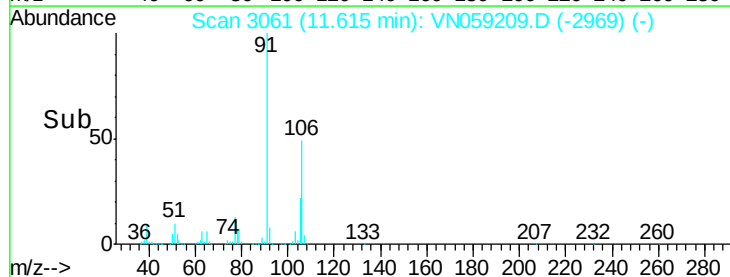
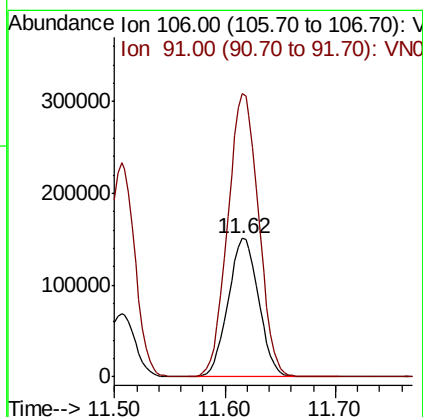
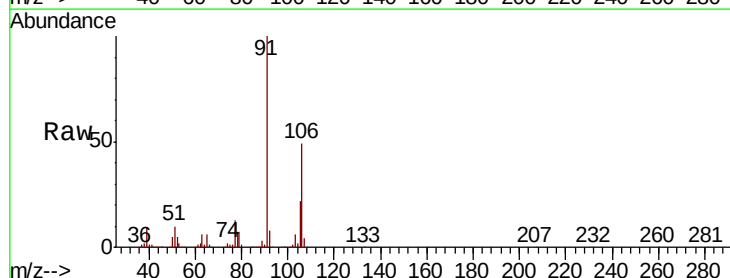
Acq: 13 Nov 2019 10:28

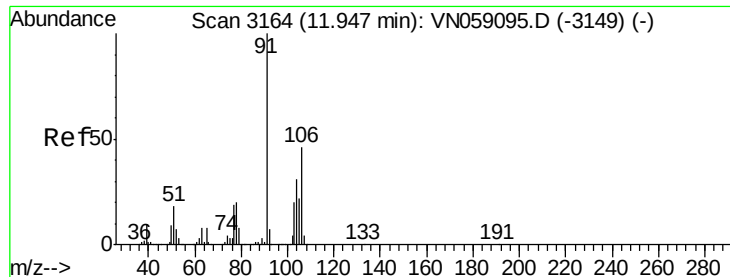
Tgt Ion: 106 Resp: 289353

Ion Ratio Lower Upper

106 100

91 206.4 164.7 247.1





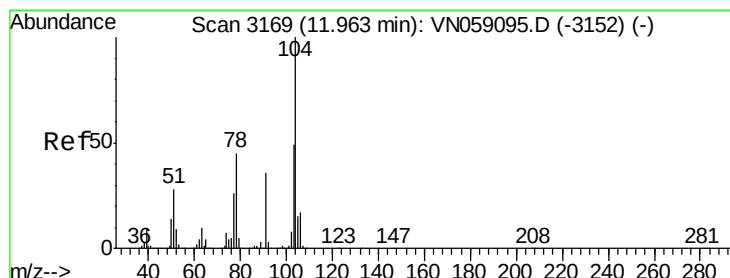
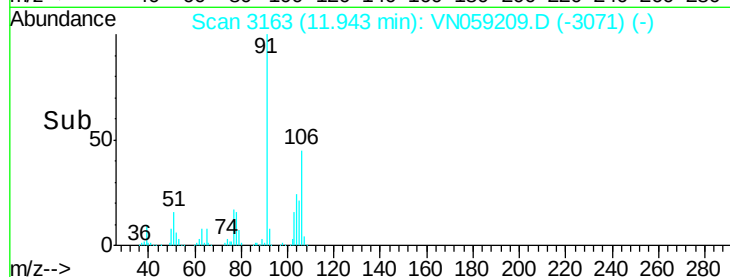
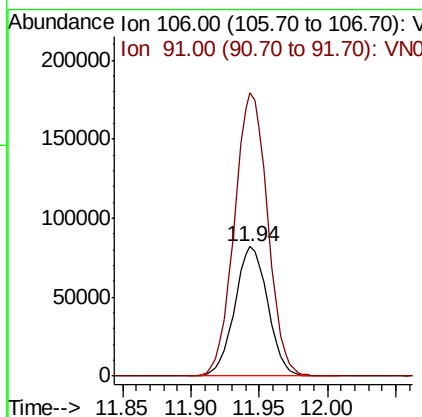
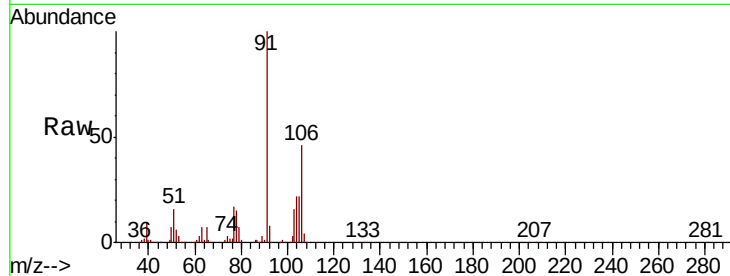
#69  
o-Xylene  
Concen: 19.846 ug/l  
RT: 11.94 min Scan# 3163  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1113WBSD01

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 106   | 100   |       |       |
| 91      | 219.9 | 110.1 | 330.3 |       |

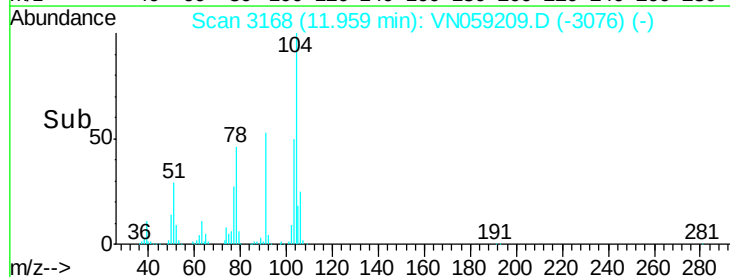
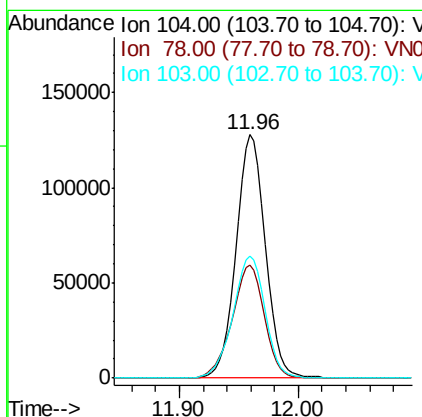
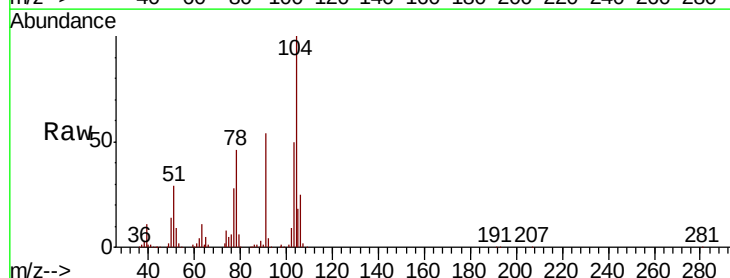
Manual Integrations  
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11/14/2019 10:00:16 AM

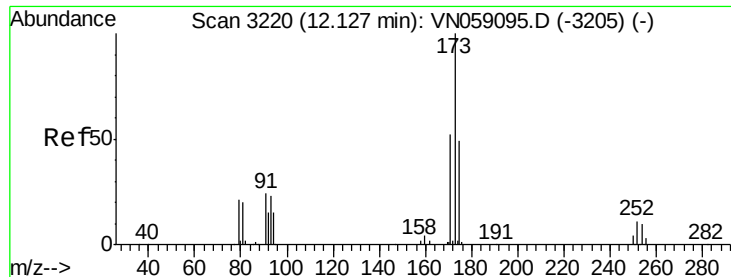


#70  
Styrene  
Concen: 19.956 ug/l  
RT: 11.96 min Scan# 3168  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 104     | 104  | 100   |       |       |
| 78      | 51.3 | 41.2  | 61.8  |       |
| 103     | 55.2 | 43.8  | 65.6  |       |







#71

Bromoform

Concen: 19.999 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1113WBSD01

Tot Ion:173 Resp: 63267

Ion Ratio Lower Upper

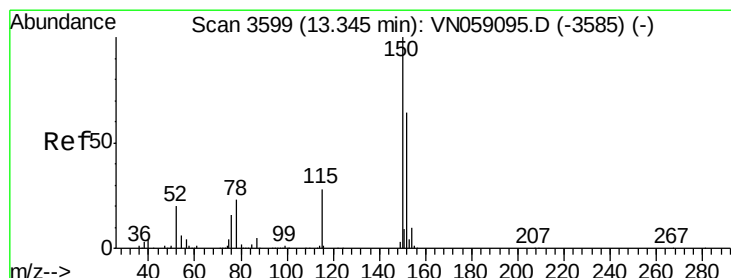
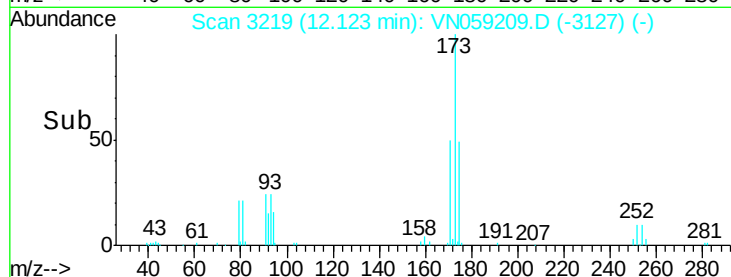
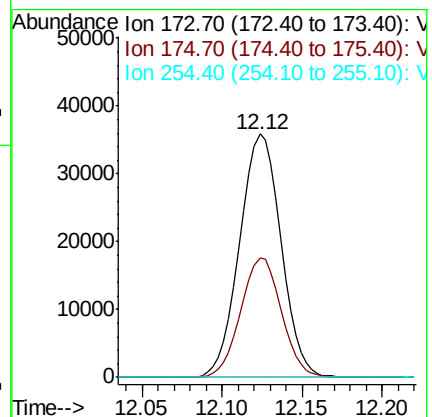
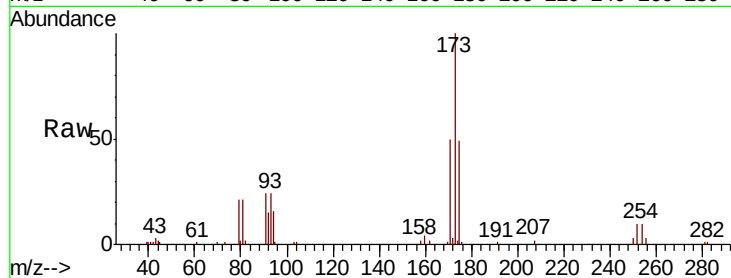
173 100

175 48.2 24.2 72.6

254 0.0 0.1 0.1#

Manual Integrations  
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11/14/2019 10:00:16 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

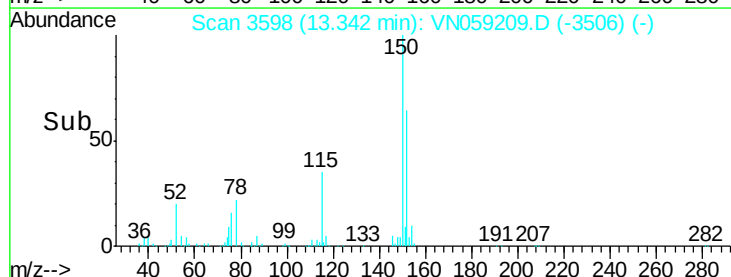
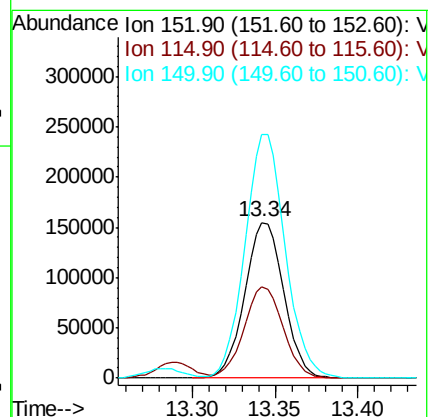
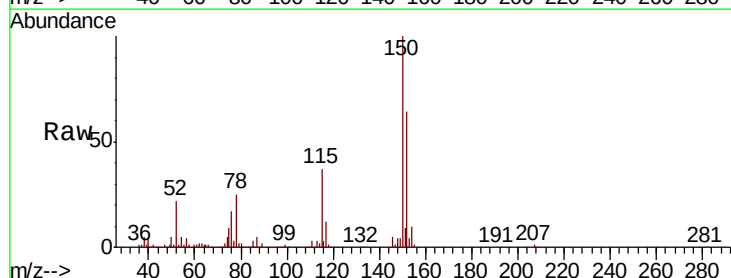
Tgt Ion:152 Resp: 252758

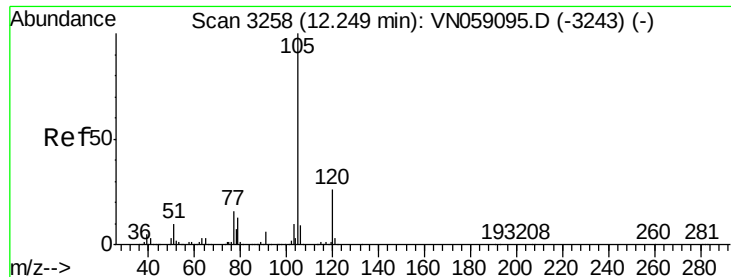
Ion Ratio Lower Upper

152 100

115 58.7 29.4 88.2

150 161.7 0.0 345.8





#73

Isopropylbenzene

Concen: 20.667 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 105 Resp: 379976

Ion Ratio Lower Upper

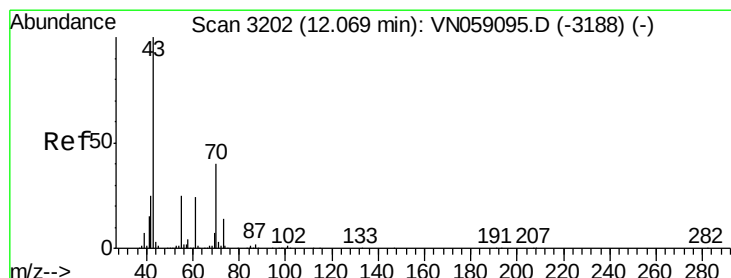
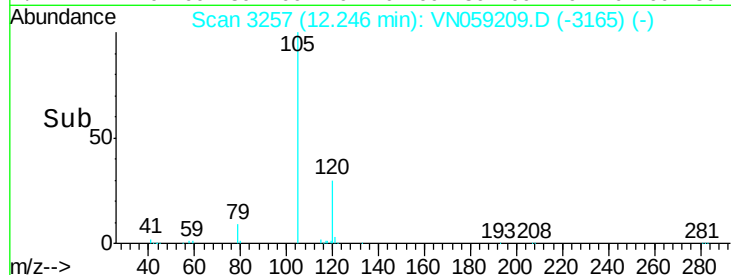
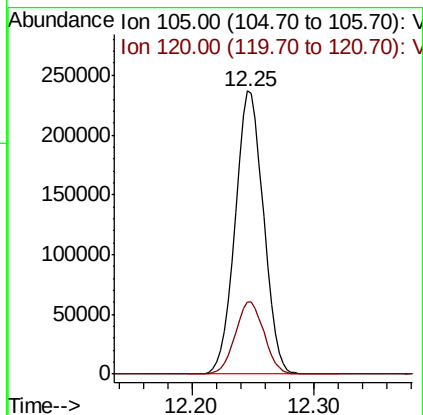
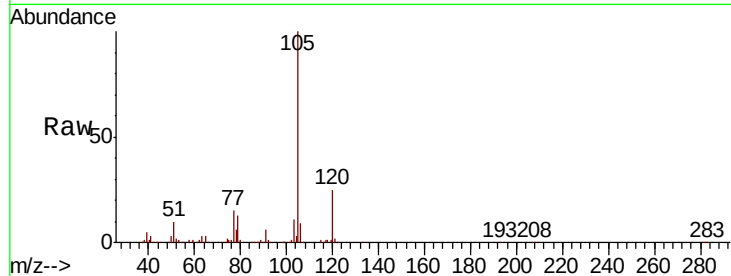
105 100

120 26.0 13.1 39.3

Manual Integrations  
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MMDadoda

11/14/2019 10:00:16 AM



#74

N-ethyl acetate

Concen: 19.208 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Tgt Ion: 43 Resp: 149643

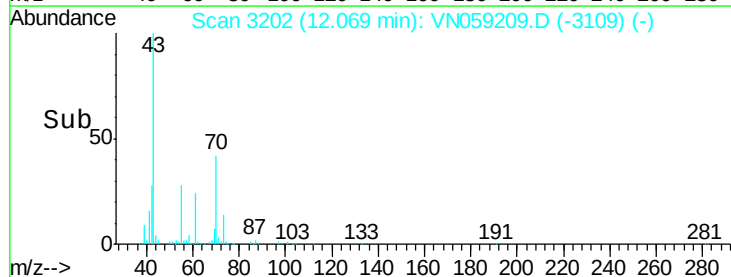
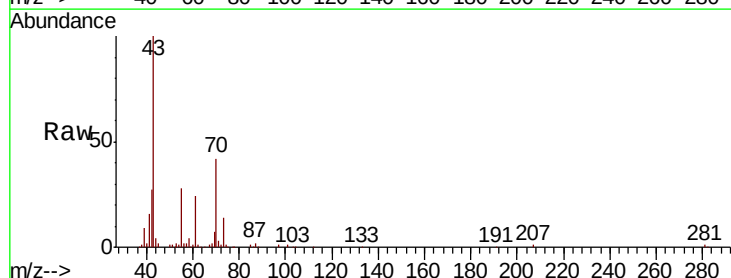
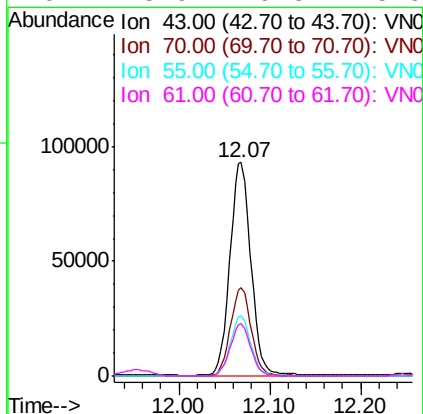
Ion Ratio Lower Upper

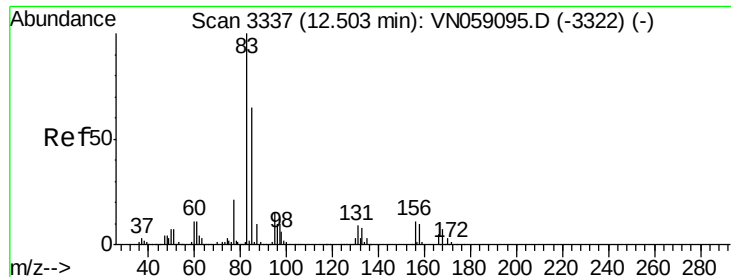
43 100

70 40.7 32.2 48.4

55 27.4 20.4 30.6

61 23.9 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.564 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

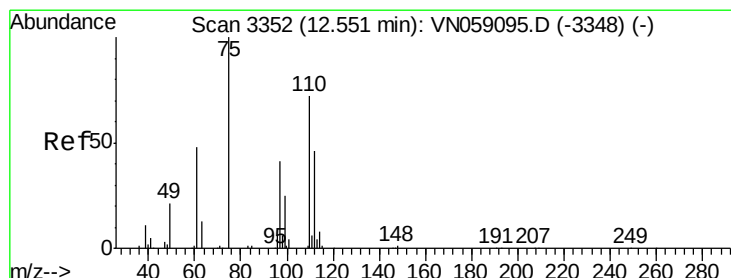
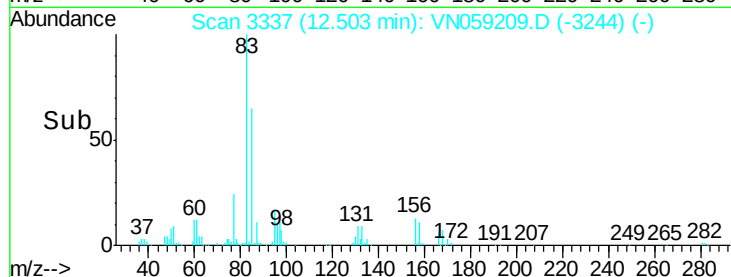
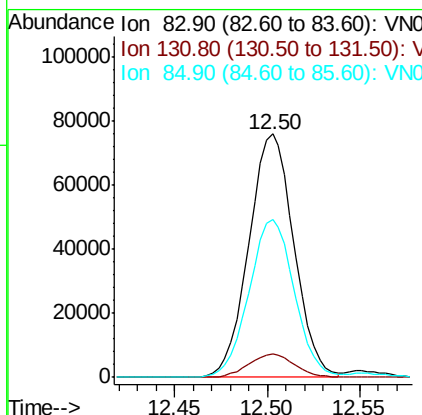
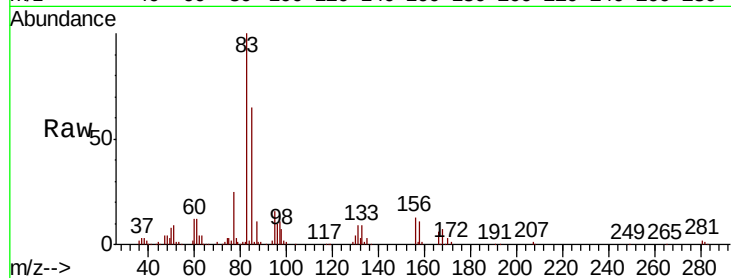
ClientSampleId :

VN1113WBSD01

| Tot Ion   | 83    | Resp  | 128756 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.8   | 4.9   | 14.6   |
| 85        | 65.2  | 32.4  | 97.2   |

Manual Integrations  
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11/14/2019 10:00:16 AM



#76

1,2,3-Trichloropropane

Concen: 21.047 ug/l m

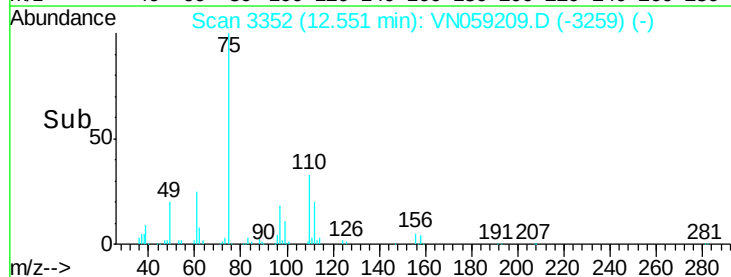
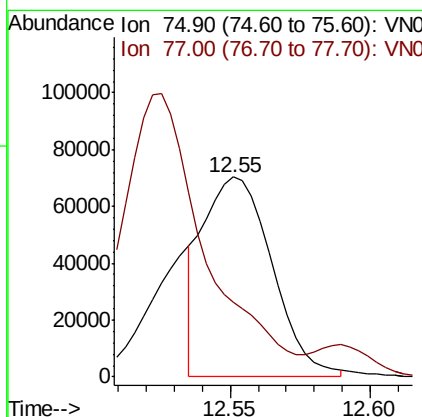
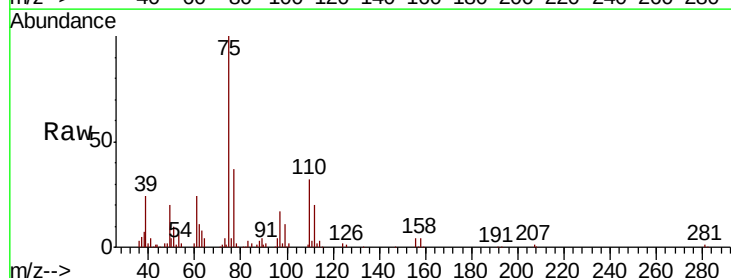
RT: 12.55 min Scan# 3352

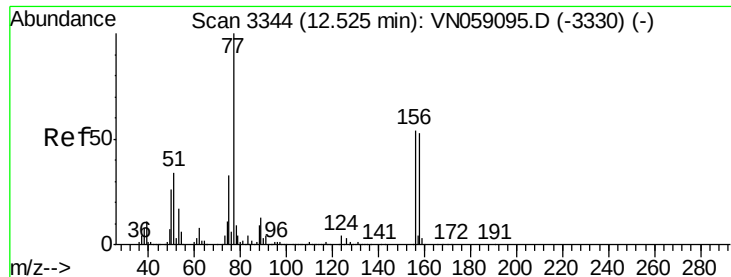
Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

| Tgt Ion   | 75    | Resp  | 121112 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





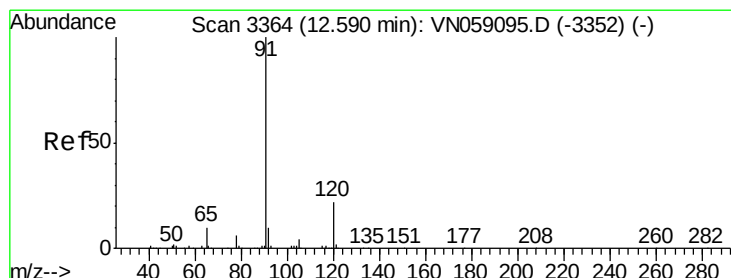
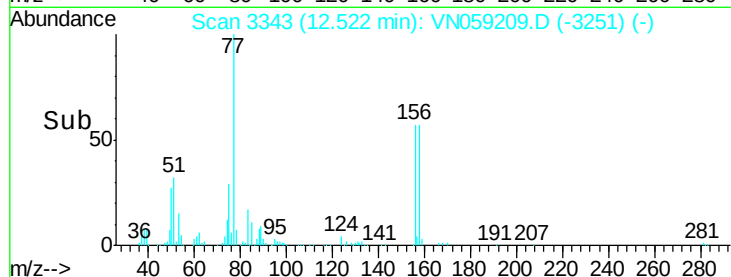
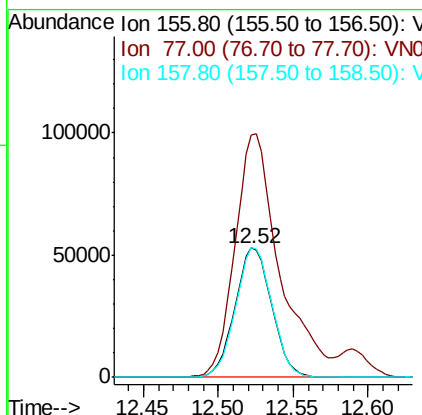
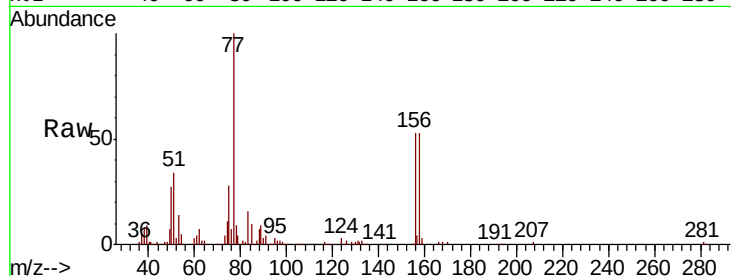
#77  
Bromobenzene  
Concen: 19.621 ug/l  
RT: 12.52 min Scan# 3343  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1113WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 229.2 | 112.8 | 338.3 |
| 158     | 98.8  | 48.4  | 145.3 |

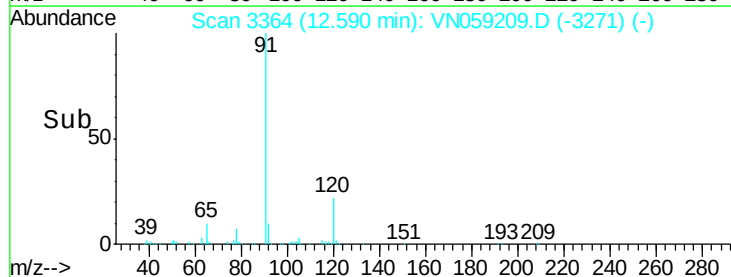
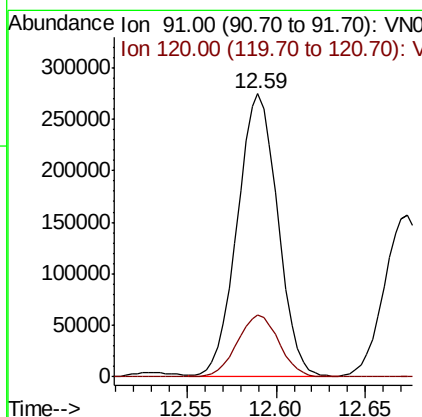
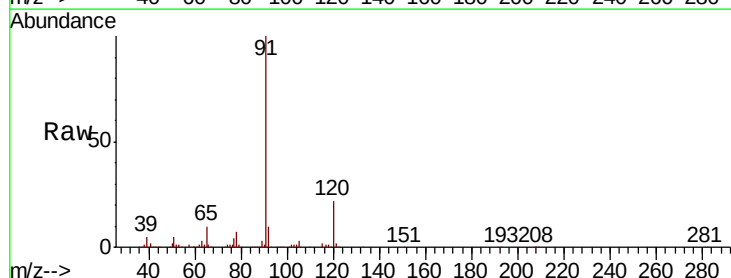
Manual Integrations  
APPROVED

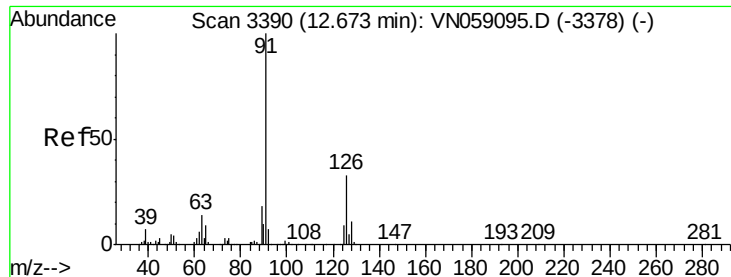
MMDadoda  
11/14/2019 10:00:16 AM



#78  
n-propylbenzene  
Concen: 20.475 ug/l  
RT: 12.59 min Scan# 3364  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 22.6  | 11.2  | 33.5  |





#79

2-Chlorotoluene

Concen: 20.006 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 91 Resp: 261270

Ion Ratio Lower Upper

91 100

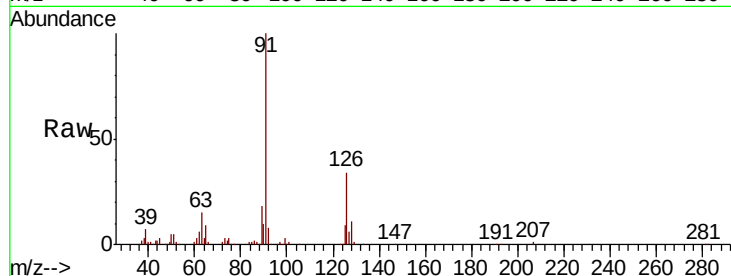
126 33.0 16.7 50.1

Manual Integrations

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11/14/2019 10:00:16 AM



Abundance Ion 91.00 (90.70 to 91.70): VN059209.D (-3397) (-)

Ion 125.90 (125.60 to 126.60): VN059209.D (-3397) (-)

250000

200000

150000

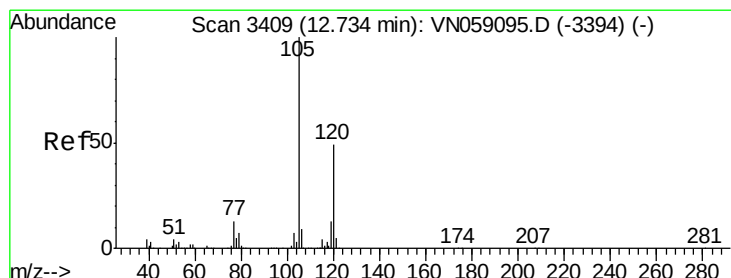
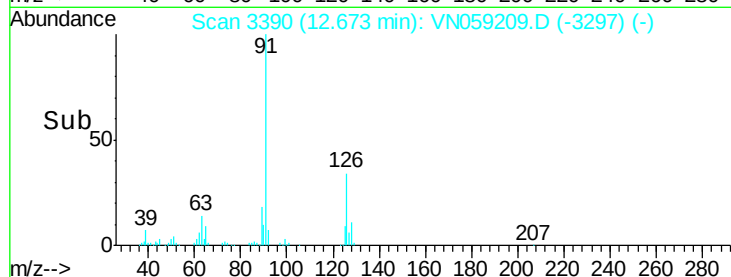
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.248 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059209.D

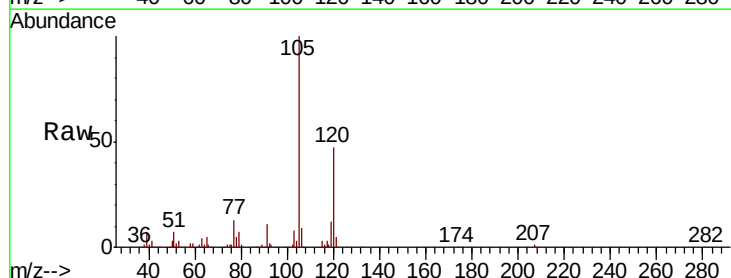
Acq: 13 Nov 2019 10:28

Tgt Ion: 105 Resp: 315441

Ion Ratio Lower Upper

105 100

120 48.4 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059209.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059209.D (-3316) (-)

200000

150000

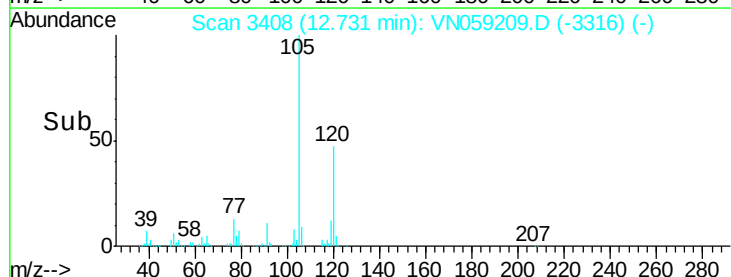
100000

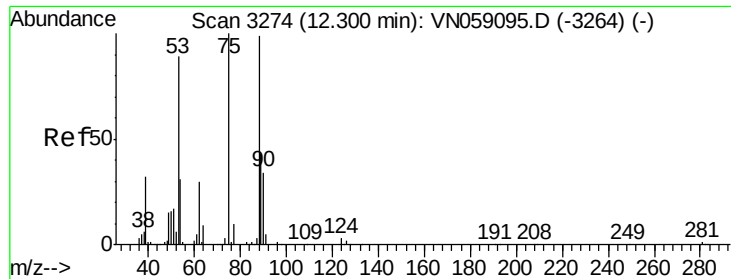
50000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.456 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 75 Resp: 42388

Ion Ratio Lower Upper

75 100

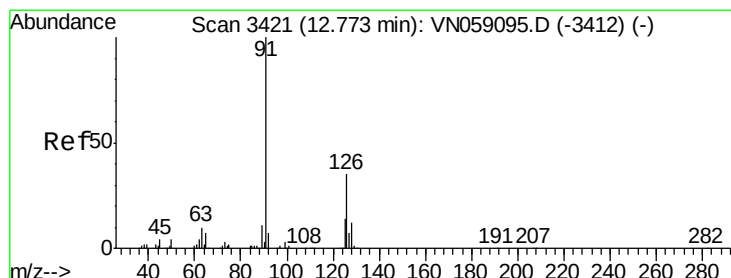
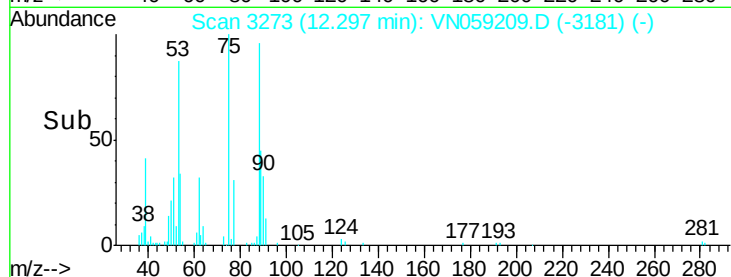
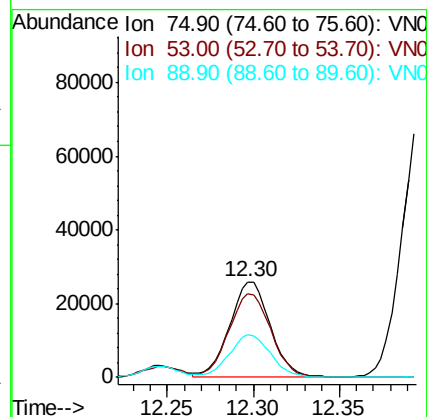
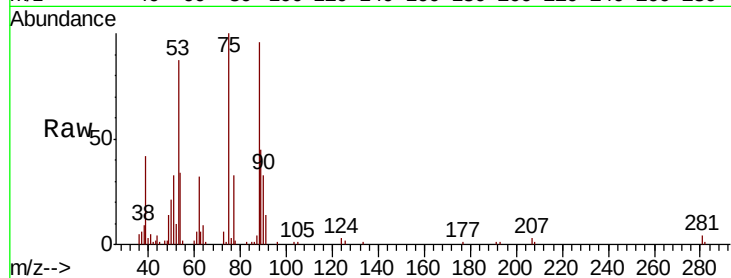
53 92.3 72.2 108.2

89 45.7 35.8 53.8

Manual Integrations  
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11/14/2019 10:00:16 AM



#82

4-Chlorotoluene

Concen: 20.325 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059209.D

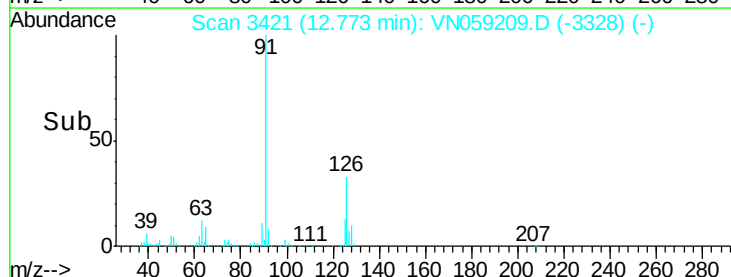
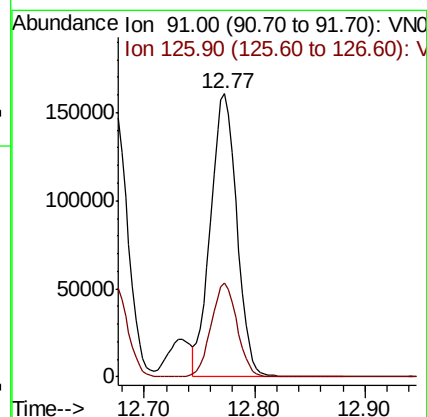
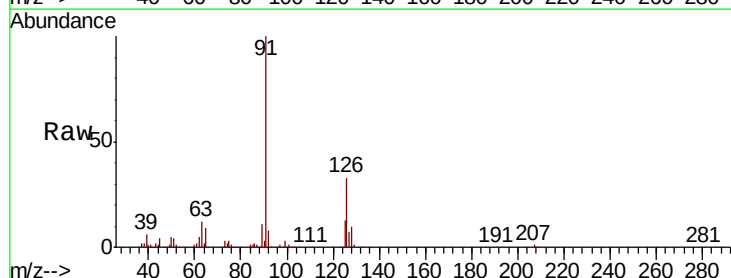
Acq: 13 Nov 2019 10:28

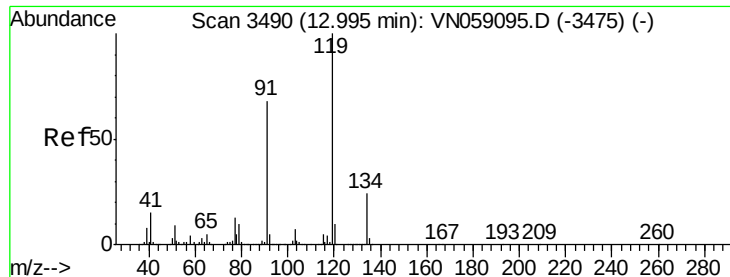
Tgt Ion: 91 Resp: 266227

Ion Ratio Lower Upper

91 100

126 32.3 16.1 48.2





#83

tert-Butylbenzene

Concen: 19.975 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

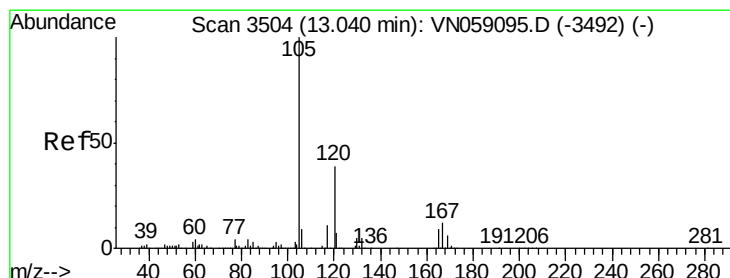
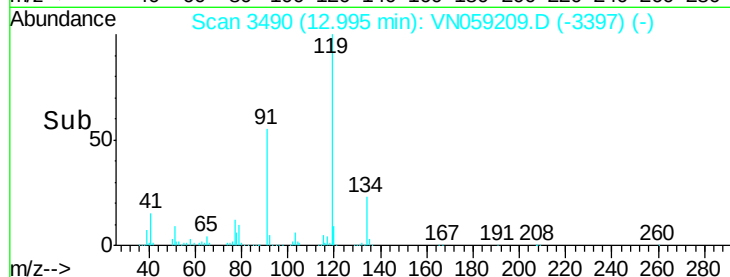
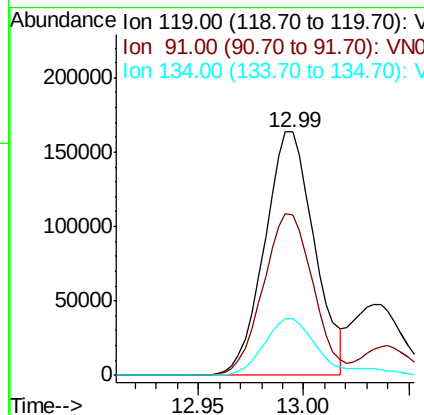
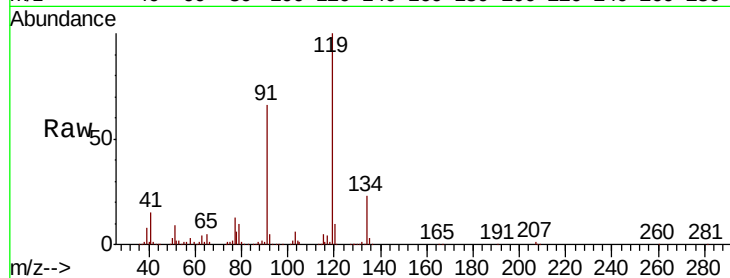
ClientSampleId :

VN1113WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 268741 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 66.7  | 33.2  | 99.6   |
| 134       | 24.2  | 12.7  | 38.1   |

Manual Integrations  
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11/14/2019 10:00:16 AM



#84

1,2,4-Trimethylbenzene

Concen: 20.800 ug/l

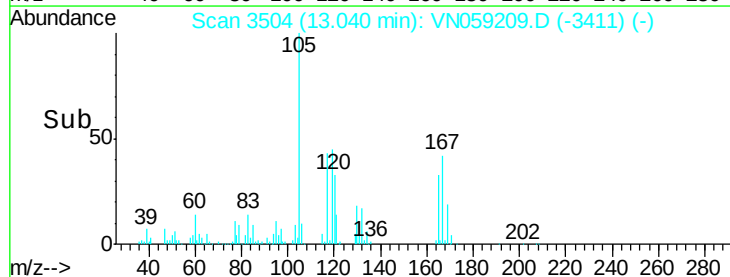
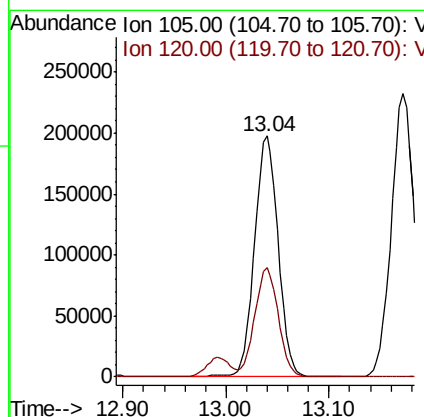
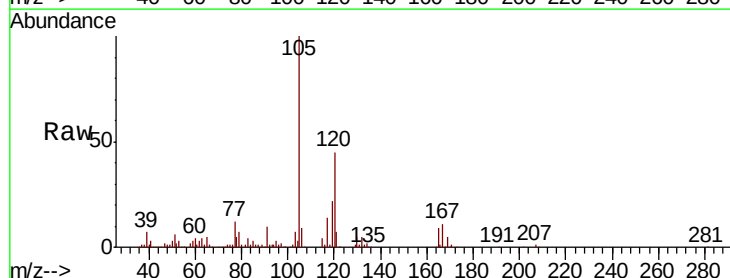
RT: 13.04 min Scan# 3504

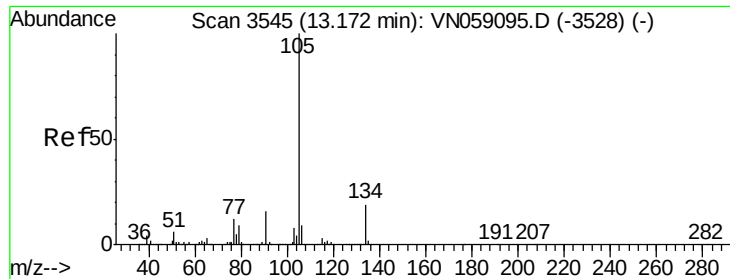
Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 313515 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 45.2  | 22.8  | 68.4   |





#85

sec-Butylbenzene

Concen: 20.657 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1113WBSD01

Tot Ion:105 Resp: 361450

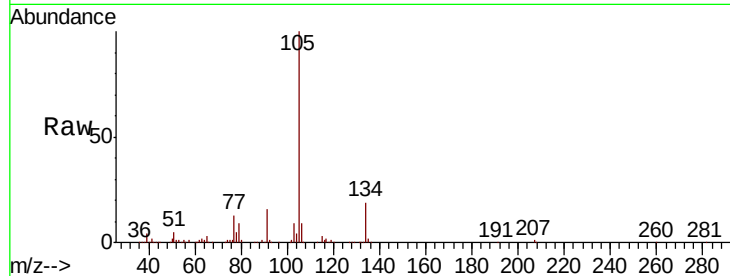
Ion Ratio Lower Upper

105 100

134 19.5 9.7 29.1

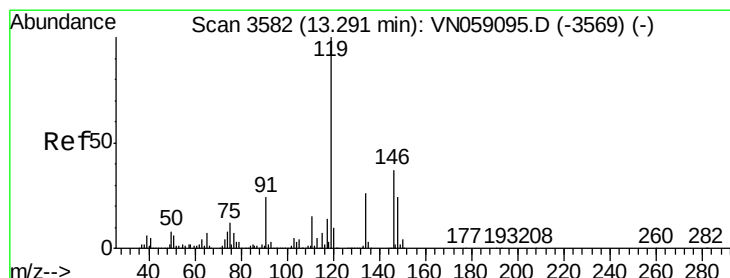
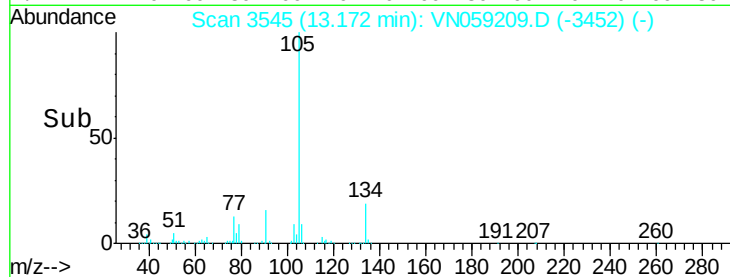
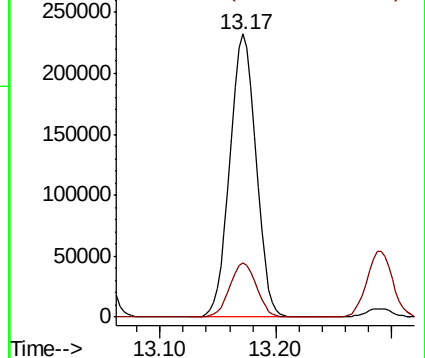
Manual Integrations  
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11/14/2019 10:00:16 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.576 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

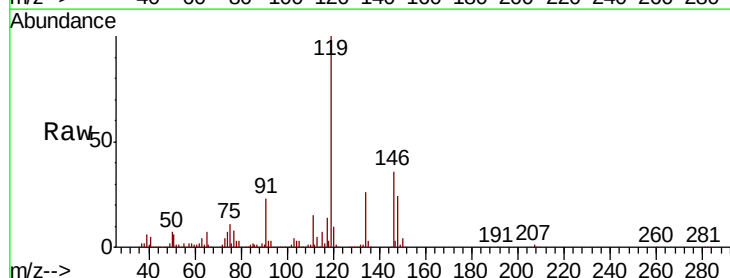
Tgt Ion:119 Resp: 317889

Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

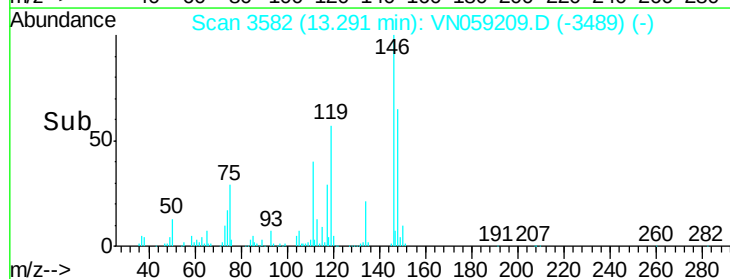
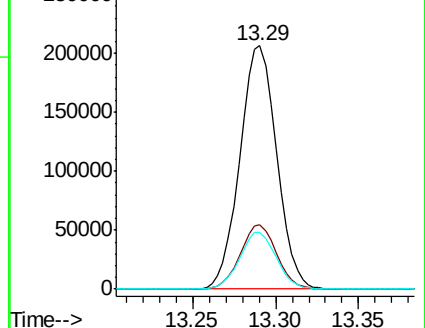
91 23.3 11.7 35.1



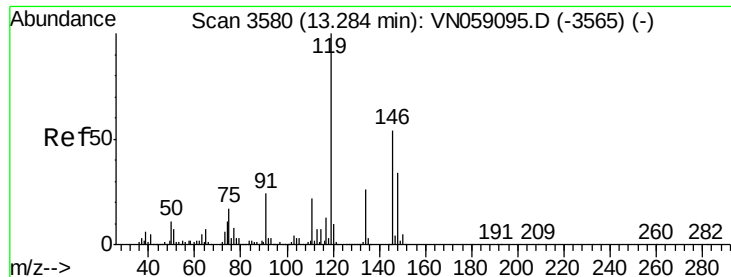
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V







#87

1,3-Dichlorobenzene

Concen: 20.153 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059209.D

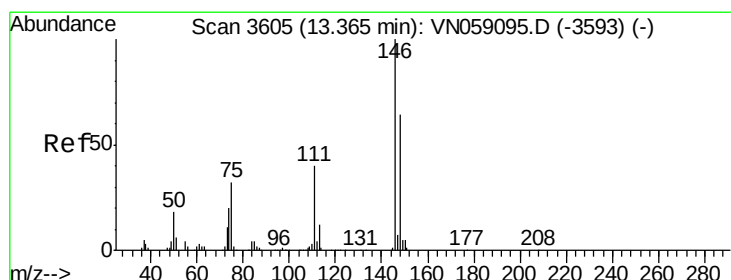
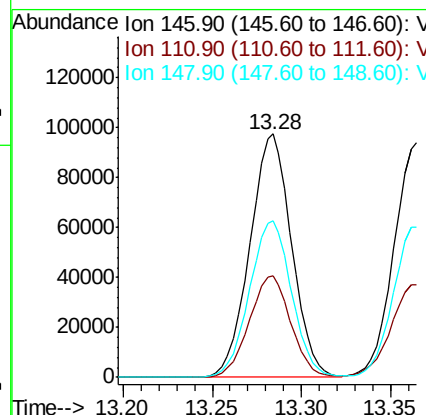
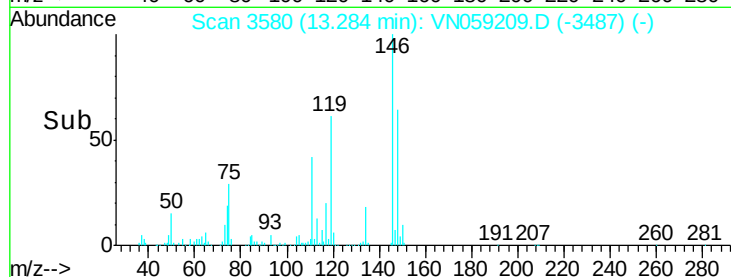
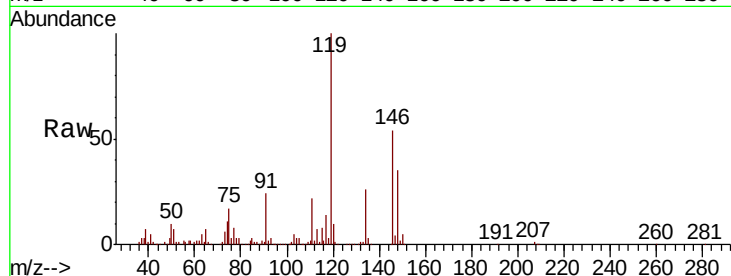
Acq: 13 Nov 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1113WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.5  | 20.4  | 61.3  |
| 148     | 65.0  | 32.2  | 96.6  |

Manual Integrations  
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#88

1,4-Dichlorobenzene

Concen: 19.506 ug/l

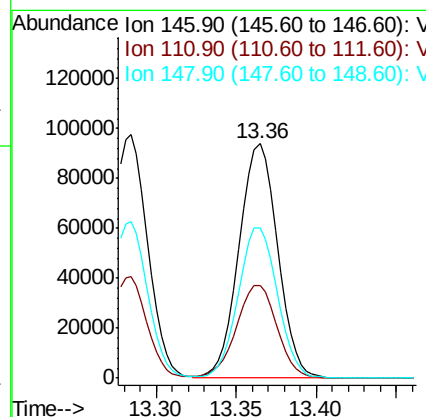
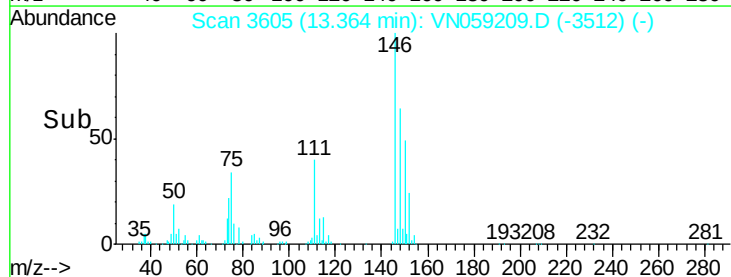
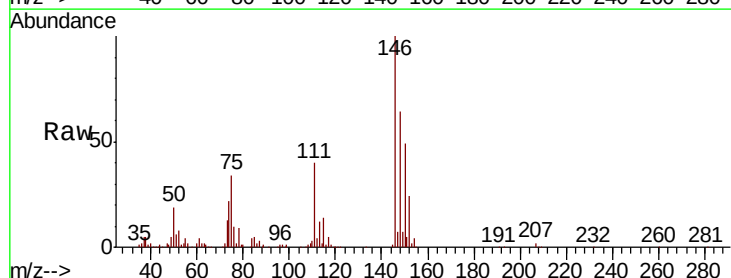
RT: 13.36 min Scan# 3605

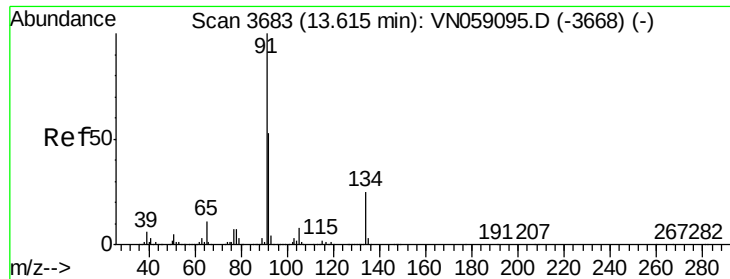
Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.9  | 20.3  | 60.9  |
| 148     | 65.5  | 31.9  | 95.7  |





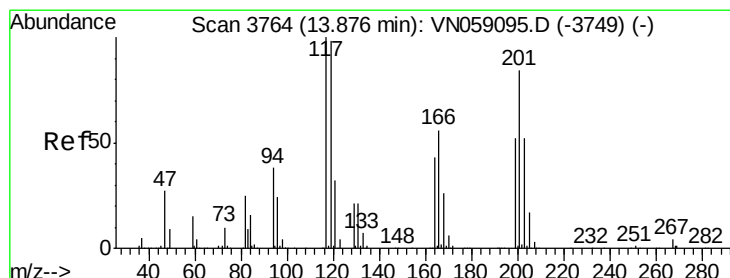
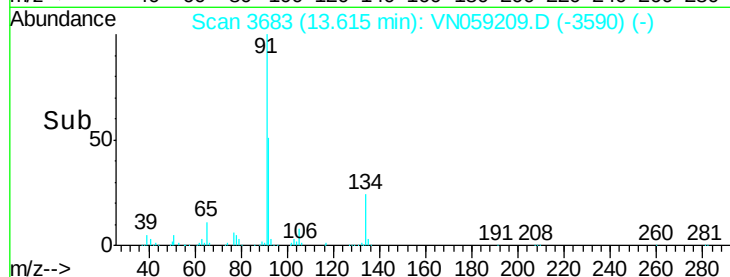
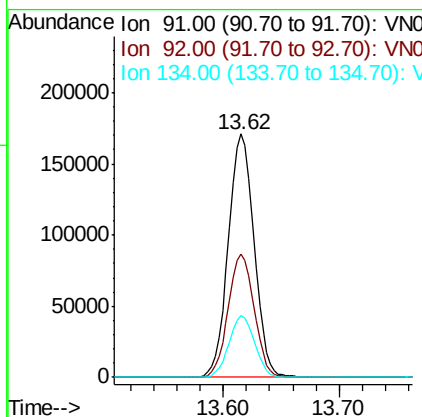
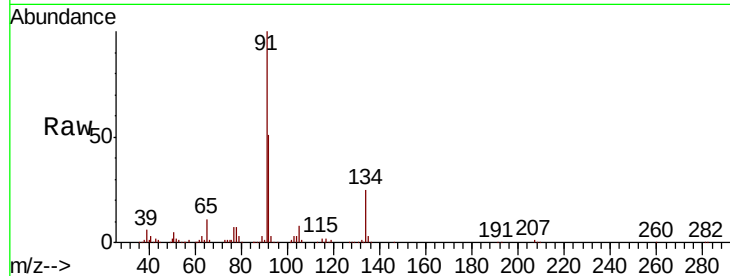
#89  
n-Butylbenzene  
Concen: 19.490 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1113WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.0  | 26.1  | 78.3  |
| 134     | 25.1  | 12.6  | 37.8  |

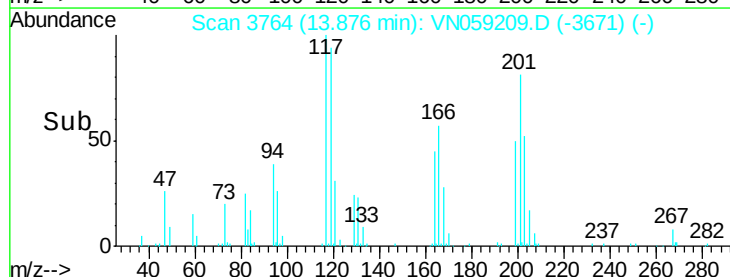
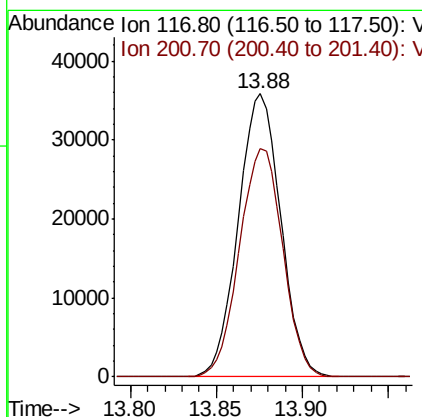
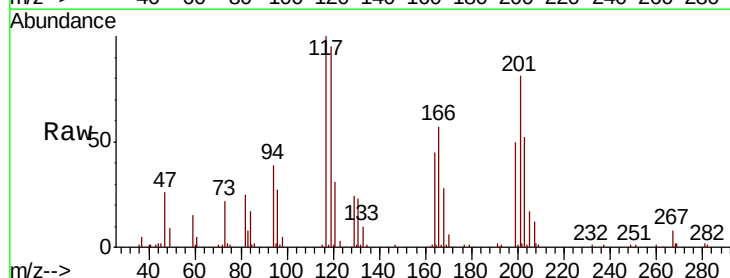
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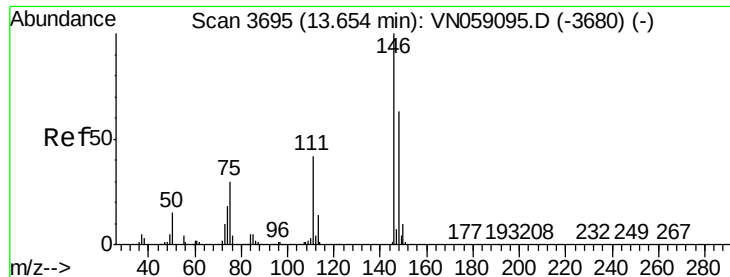
MMDadoda  
11/14/2019 10:00:16 AM



#90  
Hexachloroethane  
Concen: 19.781 ug/l  
RT: 13.88 min Scan# 3764  
Delta R.T. -0.00 min  
Lab File: VN059209.D  
Acq: 13 Nov 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 82.1  | 41.8  | 125.3 |





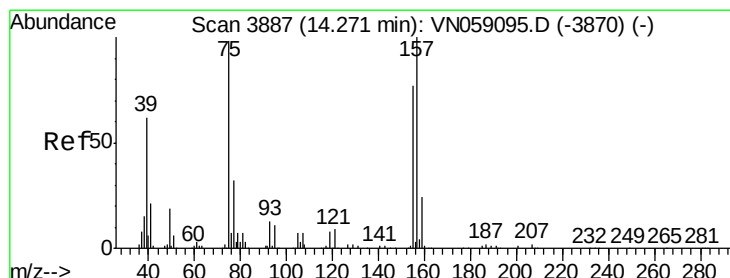
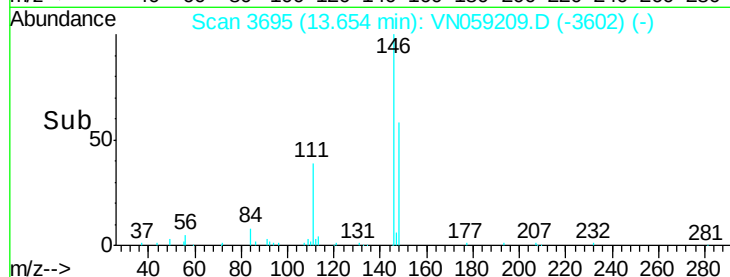
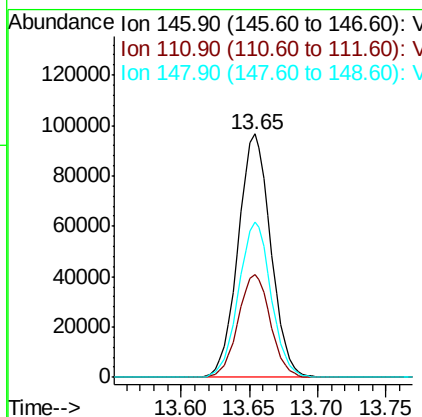
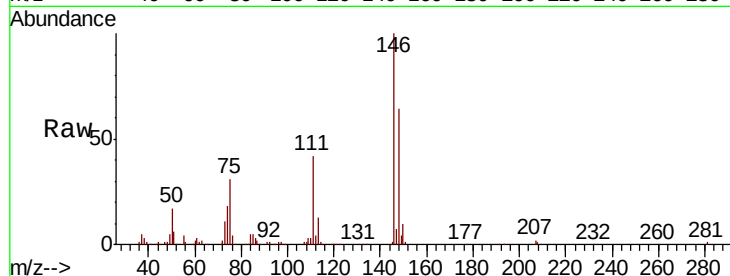
#91  
 1,2-Dichlorobenzene  
 Concen: 20.623 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. -0.00 min  
 Lab File: VN059209.D  
 Acq: 13 Nov 2019 10:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1113WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.6  | 21.2  | 63.6  |
| 148     | 63.7  | 31.6  | 94.7  |

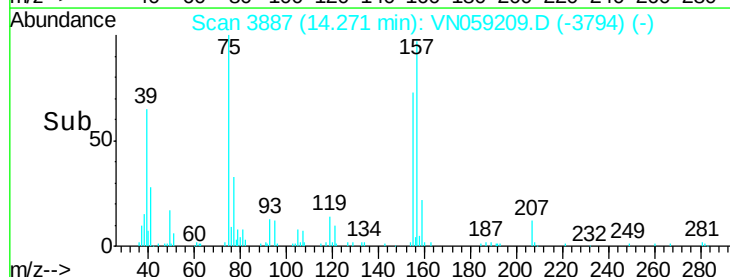
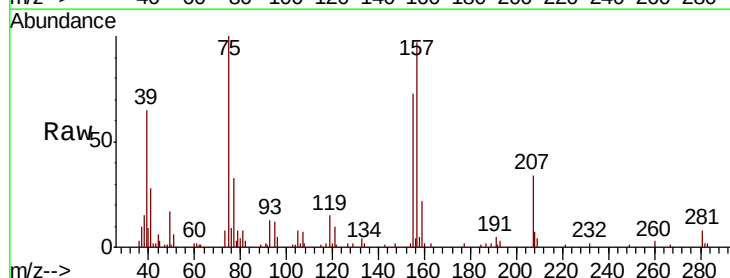
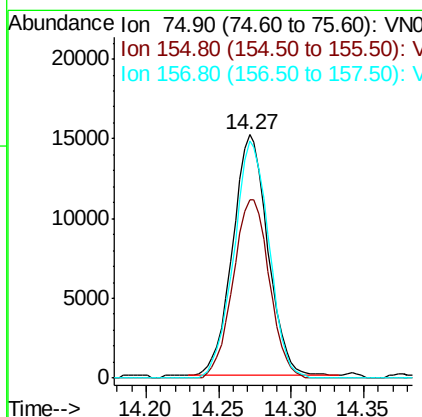
Manual Integrations  
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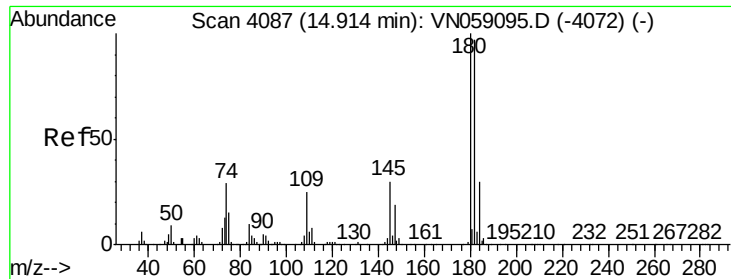
MMDadoda  
 11/14/2019 10:00:16 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.384 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. 0.00 min  
 Lab File: VN059209.D  
 Acq: 13 Nov 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 76.2  | 40.2  | 120.6 |
| 157     | 98.1  | 51.8  | 155.5 |





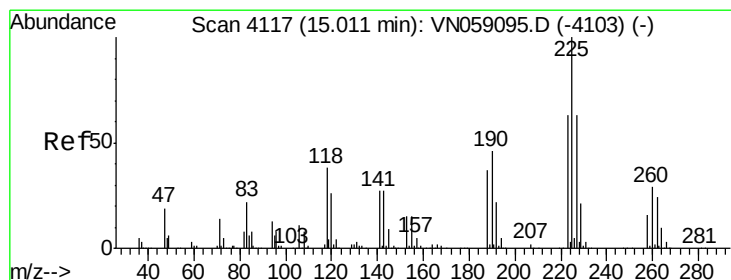
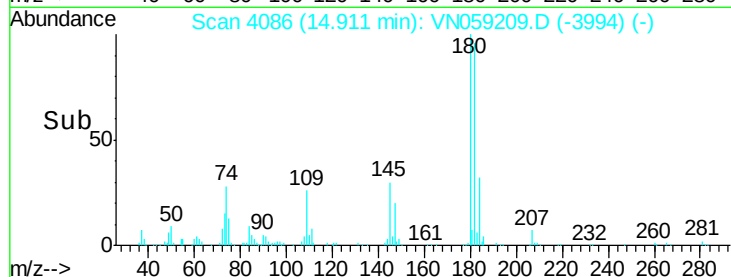
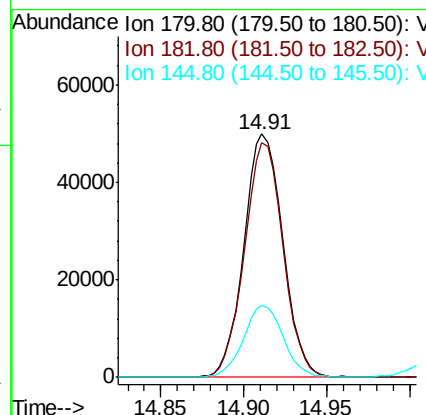
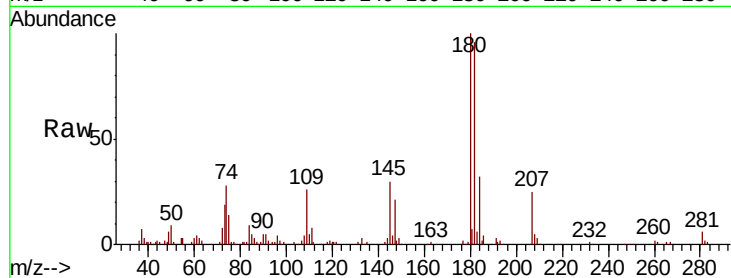
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.300 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. -0.00 min  
 Lab File: VN059209.D  
 Acq: 13 Nov 2019 10:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1113WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 48.1  | 144.3 |
| 145     | 30.3  | 15.1  | 45.3  |

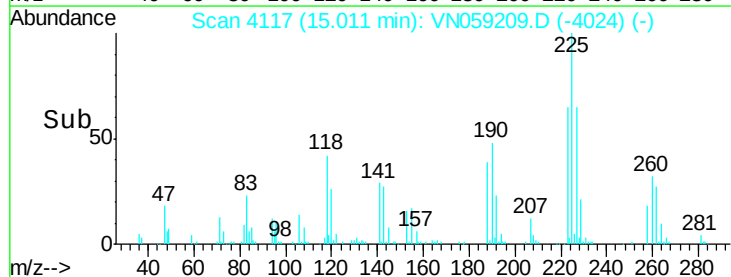
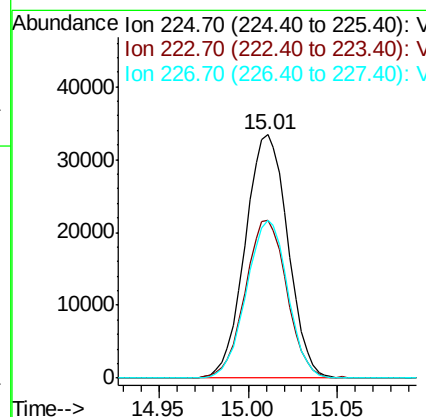
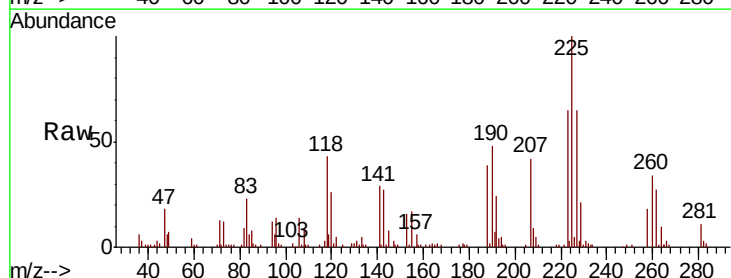
Manual Integrations  
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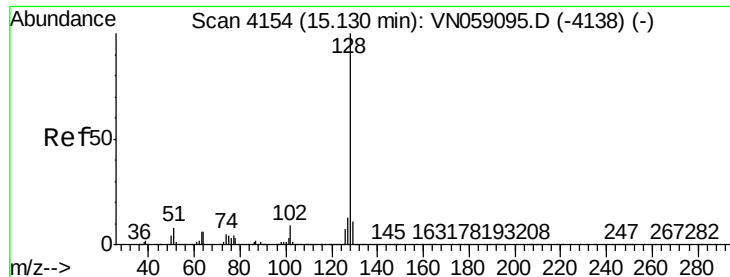
MMDadoda  
 11/14/2019 10:00:16 AM



#94  
 Hexachlorobutadiene  
 Concen: 20.752 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. -0.00 min  
 Lab File: VN059209.D  
 Acq: 13 Nov 2019 10:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.4  | 31.3  | 93.9  |
| 227     | 62.7  | 31.5  | 94.5  |





#95

Naphthalene

Concen: 18.621 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA\_N

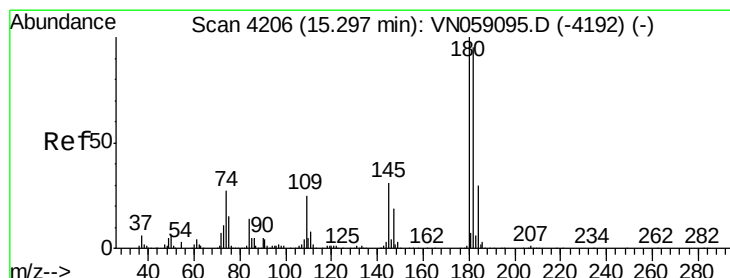
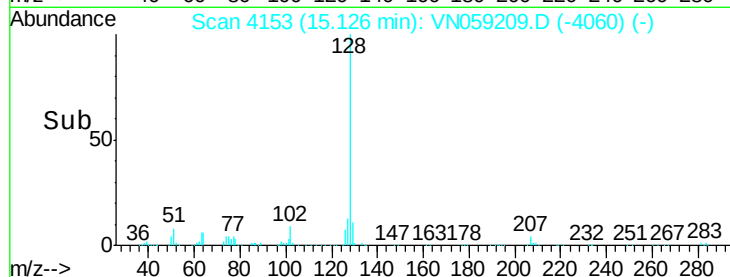
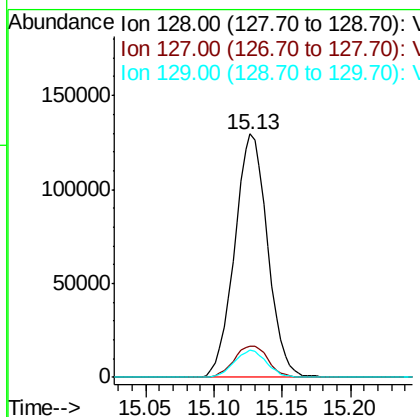
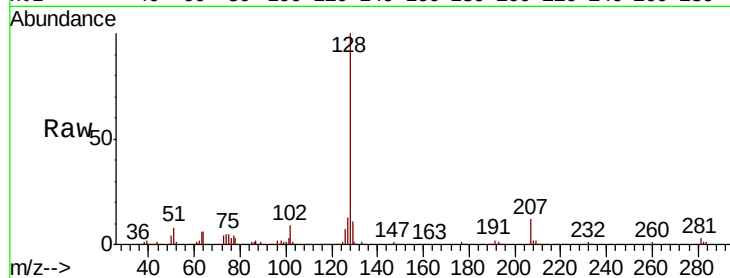
ClientSampleId :

VN1113WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 217248 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.4  | 10.2  | 15.2   |
| 129       | 11.0  | 8.6   | 12.8   |

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11/14/2019 10:00:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.745 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 86102 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.0  | 47.3  | 141.8 |
| 145       | 32.4  | 15.8  | 47.3  |

