

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\  
 Data File : VN057833.D  
 Acq On : 10 Sep 2019 4:18  
 Operator : JC/SP  
 Sample : VN0910WBSD02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0910WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 9/13/2019 5:16:25 AM

Quant Time: Sep 10 08:25:57 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 10 03:02:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.65  | 168  | 317423   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 525904   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 493117   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 280256   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.01   | 65  | 324608   | 50.49 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.98% |      |
| 35) Dibromofluoromethane    | 7.58   | 113 | 230557   | 47.50 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.00%  |      |
| 50) Toluene-d8              | 10.09  | 98  | 939992   | 49.88 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.76%  |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 319228   | 44.45 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 88.90%  |      |

| Target Compounds              |      |     |         |        |        | Qvalue |
|-------------------------------|------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 86331   | 19.666 | ug/l   | 100    |
| 3) Chloromethane              | 2.03 | 50  | 82337   | 18.403 | ug/l   | 98     |
| 4) Vinyl Chloride             | 2.16 | 62  | 87280   | 18.432 | ug/l   | 99     |
| 5) Bromomethane               | 2.54 | 94  | 53353   | 19.577 | ug/l   | 98     |
| 6) Chloroethane               | 2.68 | 64  | 56467   | 18.714 | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 2.99 | 101 | 114315  | 19.183 | ug/l   | 98     |
| 8) Diethyl Ether              | 3.39 | 74  | 48318   | 19.440 | ug/l   | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101 | 71448   | 19.006 | ug/l   | 100    |
| 10) Methyl Iodide             | 3.93 | 142 | 77067   | 18.423 | ug/l   | 100    |
| 11) Tert butyl alcohol        | 4.77 | 59  | 73684   | 94.693 | ug/l # | 84     |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 62370   | 18.453 | ug/l   | 97     |
| 13) Acrolein                  | 3.58 | 56  | 57503   | 87.104 | ug/l   | 98     |
| 14) Allyl chloride            | 4.30 | 41  | 114834  | 17.361 | ug/l   | 98     |
| 15) Acrylonitrile             | 4.96 | 53  | 209302  | 97.861 | ug/l   | 99     |
| 16) Acetone                   | 3.80 | 43  | 172696  | 81.940 | ug/l   | 96     |
| 17) Carbon Disulfide          | 4.03 | 76  | 93427   | 17.862 | ug/l   | 99     |
| 18) Methyl Acetate            | 4.30 | 43  | 114585  | 20.391 | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.02 | 73  | 275648  | 19.596 | ug/l   | 99     |
| 20) Methylene Chloride        | 4.53 | 84  | 83783   | 20.147 | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 5.02 | 96  | 67299   | 18.419 | ug/l   | 95     |
| 22) Diisopropyl ether         | 5.93 | 45  | 300231  | 19.355 | ug/l   | 96     |
| 23) Vinyl Acetate             | 5.88 | 43  | 1062591 | 96.657 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 5.83 | 63  | 162899  | 19.215 | ug/l   | 99     |
| 25) 2-Butanone                | 6.82 | 43  | 280296  | 91.887 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.81 | 77  | 83894   | 12.505 | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 6.82 | 96  | 92042   | 18.797 | ug/l   | 97     |
| 28) Bromochloromethane        | 7.18 | 49  | 81336   | 19.204 | ug/l   | 98     |
| 29) Tetrahydrofuran           | 7.20 | 42  | 186151  | 99.033 | ug/l   | 98     |
| 30) Chloroform                | 7.36 | 83  | 168723  | 19.034 | ug/l   | 97     |
| 31) Cyclohexane               | 7.64 | 56  | 118308  | 19.096 | ug/l   | 96     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 130347  | 18.541 | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.78 | 75  | 110012  | 18.037 | ug/l   | 97     |
| 37) Ethyl Acetate             | 6.91 | 43  | 116910  | 18.553 | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.76 | 117 | 101432  | 18.215 | ug/l   | 98     |

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 ALS Vial : 39 Sample Multiplier: 1

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 ClientSampleId :  
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Manual Integrations  
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 10 03:02:13 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 111470   | 17.386  | ug/l   | 98       |
| 40) Benzene                    | 8.03  | 78   | 345581   | 18.820  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.16  | 41   | 56246    | 19.663  | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 8.11  | 62   | 137933   | 18.782  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.15  | 43   | 194017   | 18.309  | ug/l # | 91       |
| 44) Trichloroethene            | 8.83  | 130  | 82855    | 18.397  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.11  | 63   | 101019   | 18.906  | ug/l   | 100      |
| 46) Dibromomethane             | 9.20  | 93   | 61921    | 19.178  | ug/l   | 100      |
| 47) Bromodichloromethane       | 9.40  | 83   | 119129   | 18.477  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.19  | 41   | 99138    | 18.442  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.19  | 88   | 34104    | 375.161 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 630663   | 100.568 | ug/l   | 98       |
| 52) Toluene                    | 10.15 | 92   | 218174   | 18.865  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 117233   | 17.267  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 134286   | 17.914  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 92858    | 18.955  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 137020   | 18.573  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 161484   | 19.127  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 334590   | 96.295  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 444663   | 94.602  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 83531    | 18.362  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 87341    | 18.858  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 69172    | 18.998  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 239729   | 18.576  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 82437    | 18.409  | ug/l   | 97       |
| 67) Ethyl Benzene              | 11.51 | 91   | 429262   | 18.980  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.62 | 106  | 309031   | 37.302  | ug/l   | 98       |
| 69) o-Xylene                   | 11.95 | 106  | 154999   | 18.819  | ug/l   | 98       |
| 70) Styrene                    | 11.97 | 104  | 268222   | 18.923  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 47905    | 17.159  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.25 | 105  | 433716   | 19.944  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 177379   | 18.742  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 141162   | 19.279  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.56 | 75   | 105183m  | 16.591  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 101514   | 18.723  | ug/l   | 96       |
| 78) n-propylbenzene            | 12.60 | 91   | 494625   | 19.807  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 298475   | 18.911  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 363111   | 19.761  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 27265    | 15.134  | ug/l   | 92       |
| 82) 4-Chlorotoluene            | 12.78 | 91   | 307908   | 18.997  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.00 | 119  | 315056   | 19.289  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 364769   | 19.532  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 423161   | 19.547  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 377489   | 19.790  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.29 | 146  | 182668   | 18.355  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.37 | 146  | 182640   | 18.080  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 334184   | 18.552  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 51706    | 18.227  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 186201   | 18.728  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 22037    | 18.224  | ug/l   | 98       |

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Sample : VN0910WBSD02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Tue Sep 10 03:02:13 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 109290   | 16.817 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 47977    | 17.416 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 319682   | 18.495 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 105345   | 19.196 | ug/l  | 98       |

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

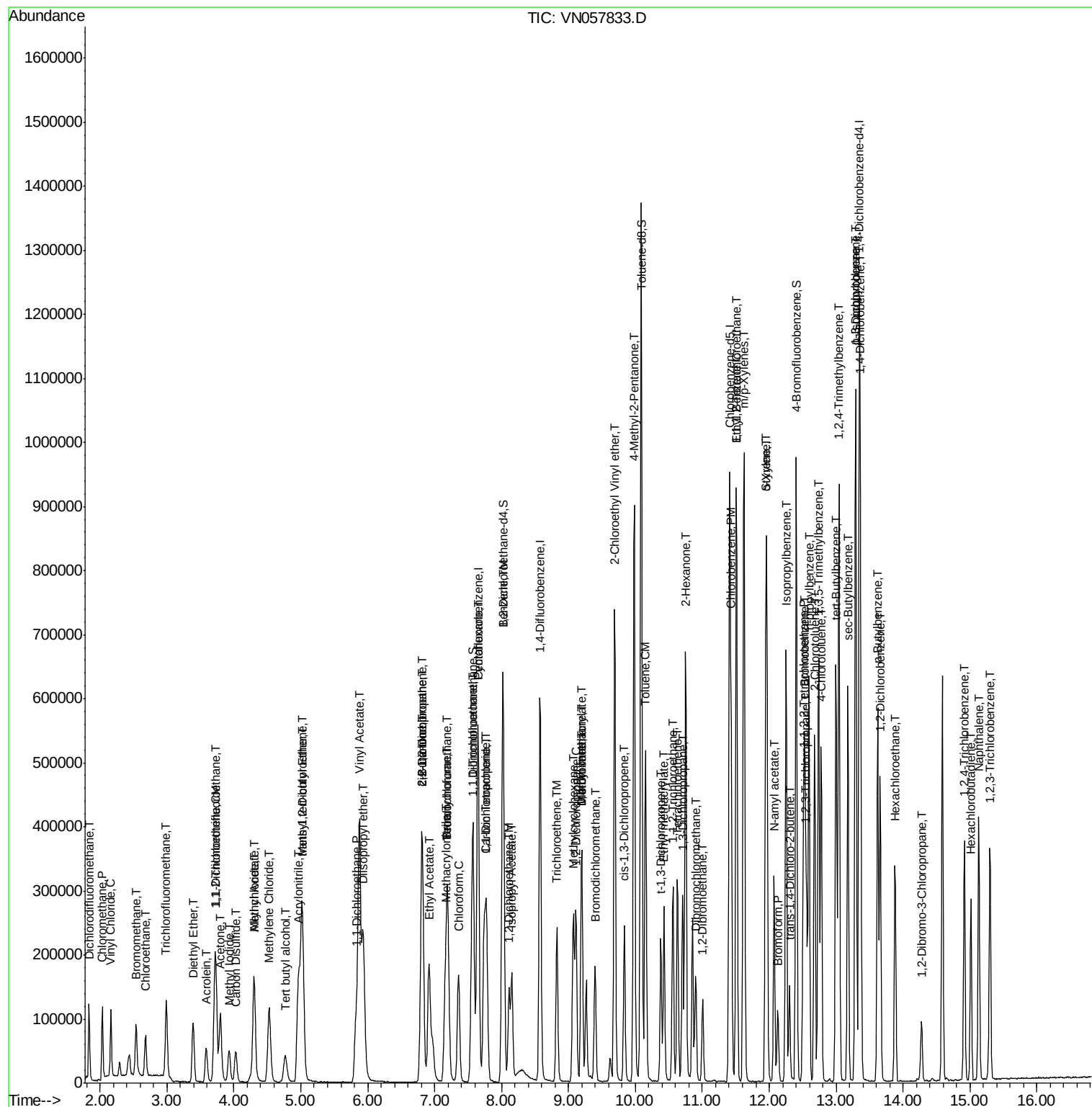
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\  
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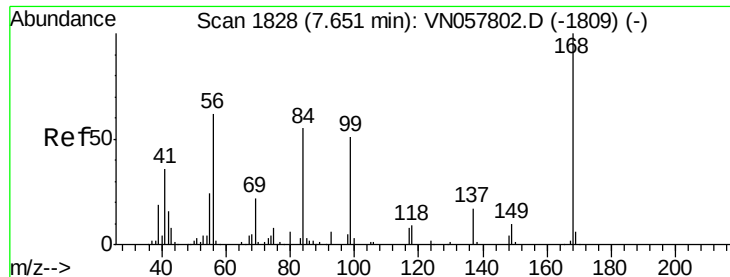
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0910WBSD02

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0910WBSD02

Tot Ion:168 Resp: 317423

Ion Ratio Lower Upper

168 100

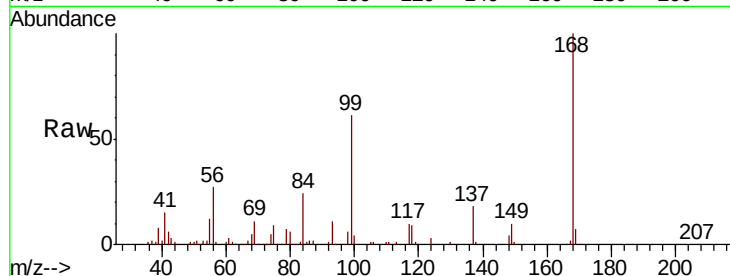
99 60.6 48.0 72.0

Manual Integrations

APPROVED

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

150000

7.65

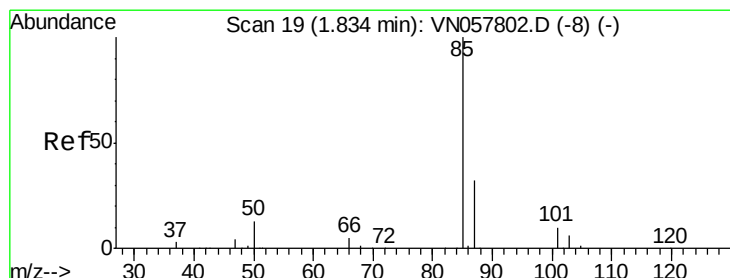
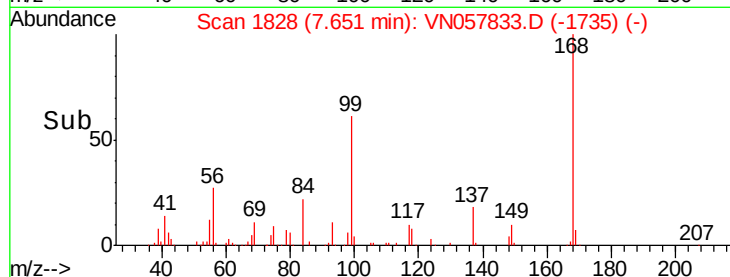
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.666 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057833.D

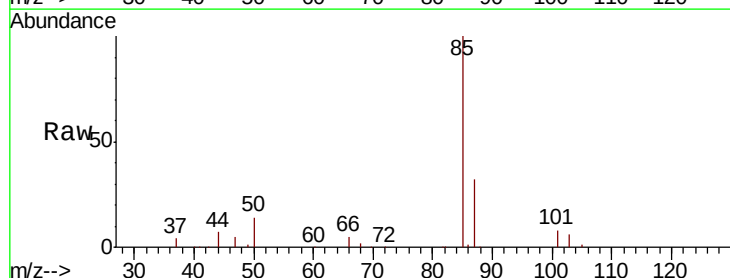
Acq: 10 Sep 2019 4:18

Tgt Ion: 85 Resp: 86331

Ion Ratio Lower Upper

85 100

87 31.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

60000

1.83

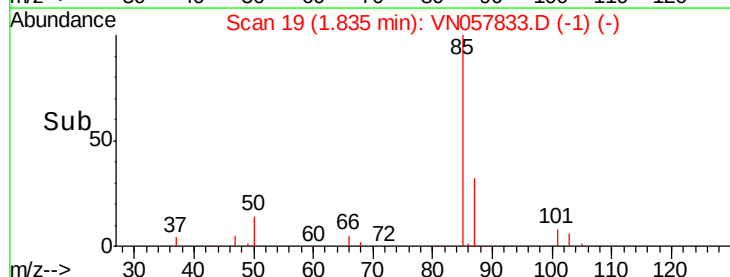
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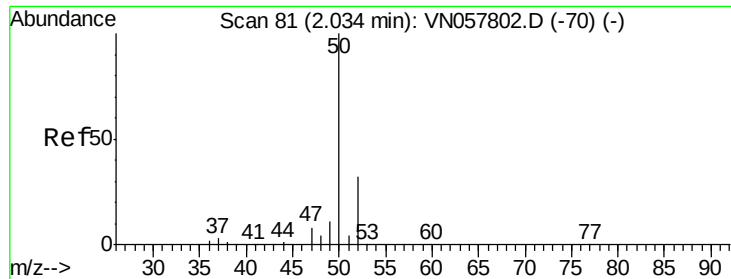
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0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.403 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0910WBSD02

Tot Ion: 50 Resp: 82337

Ion Ratio Lower Upper

50 100

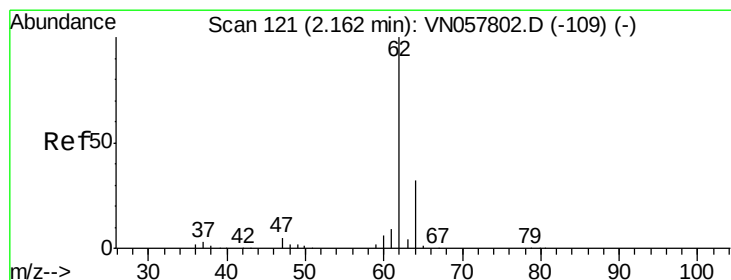
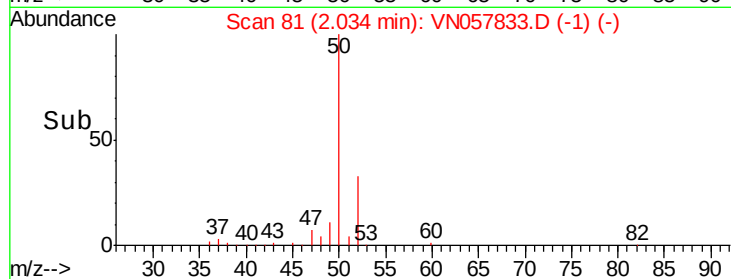
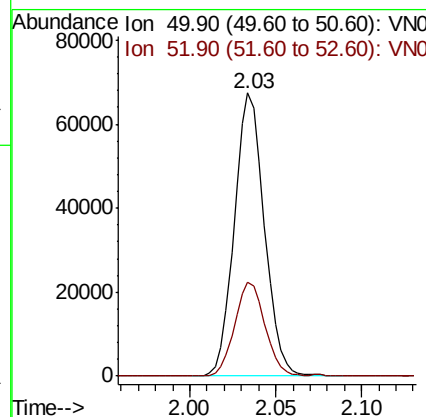
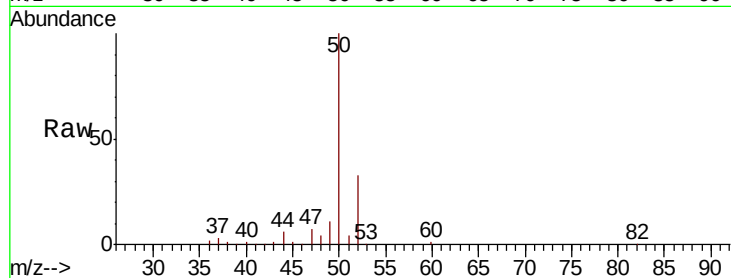
52 33.0 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.432 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057833.D

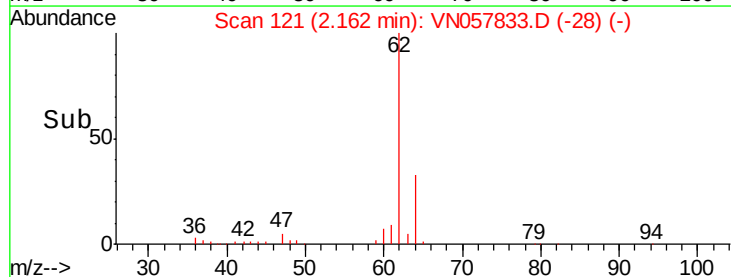
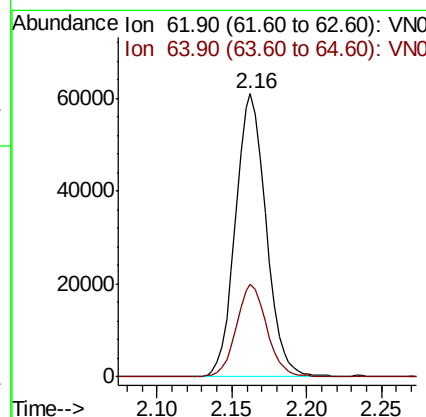
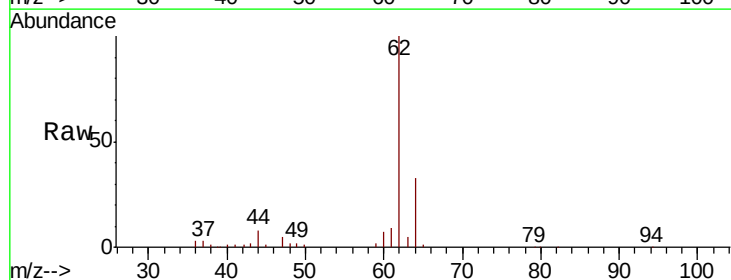
Acq: 10 Sep 2019 4:18

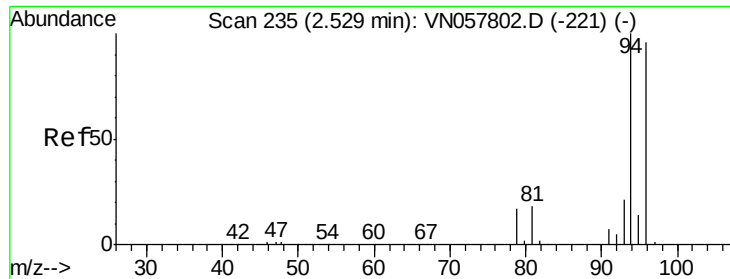
Tgt Ion: 62 Resp: 87280

Ion Ratio Lower Upper

62 100

64 32.6 25.6 38.4





#5

Bromomethane

Concen: 19.577 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0910WBSD02

Tot Ion: 94 Resp: 53353

Ion Ratio Lower Upper

94 100

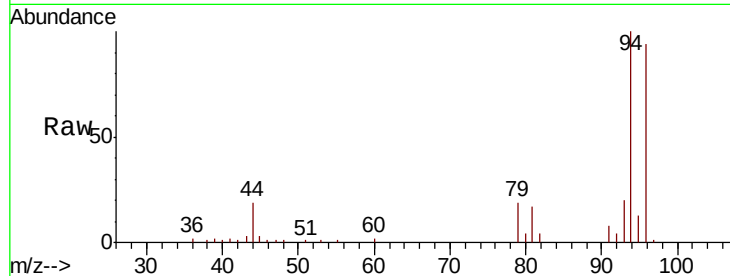
96 94.4 77.0 115.4

Manual Integrations

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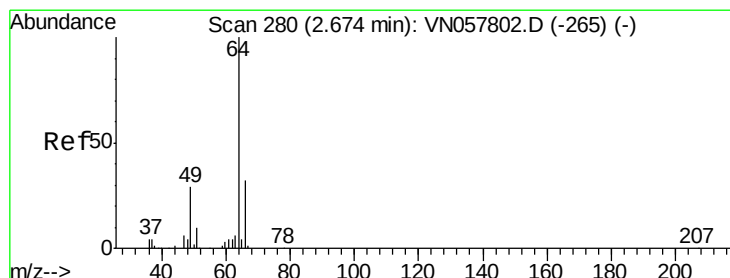
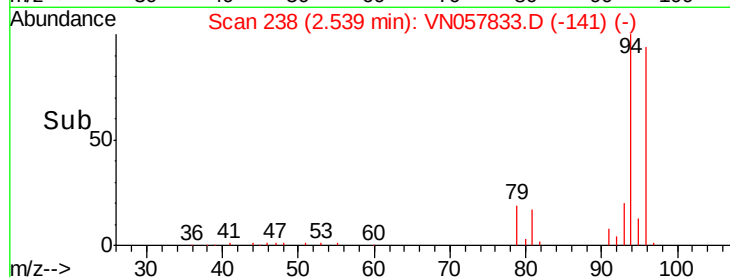
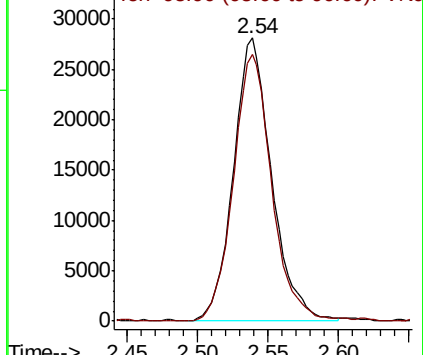
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.714 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN057833.D

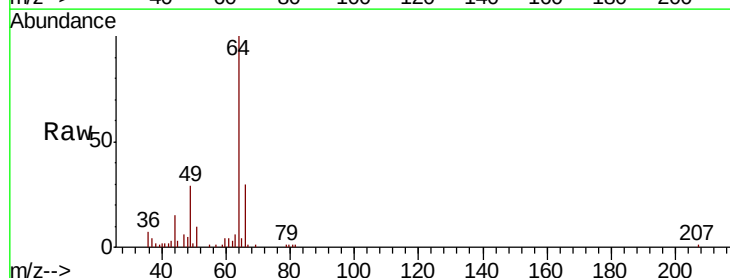
Acq: 10 Sep 2019 4:18

Tgt Ion: 64 Resp: 56467

Ion Ratio Lower Upper

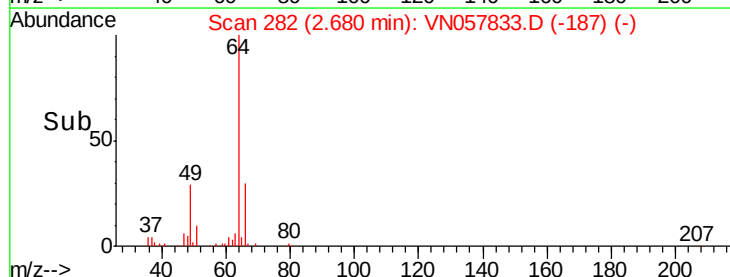
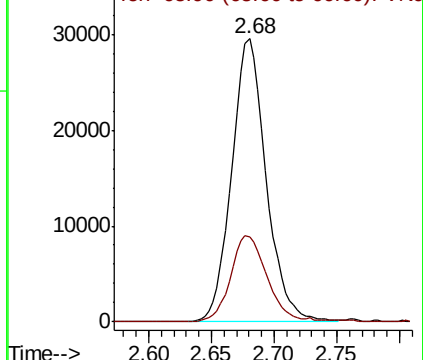
64 100

66 30.1 25.5 38.3

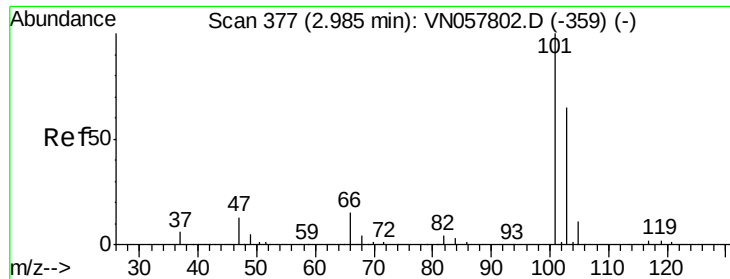


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0







#7

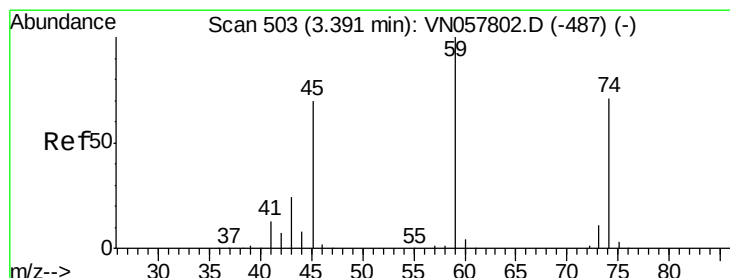
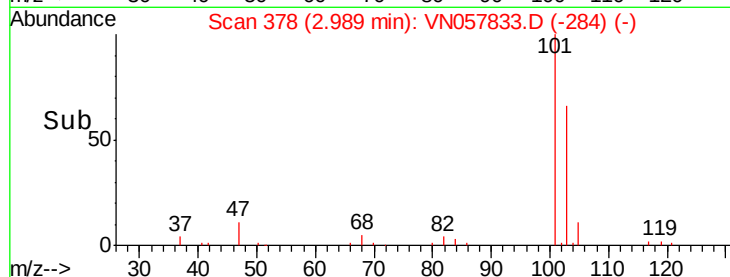
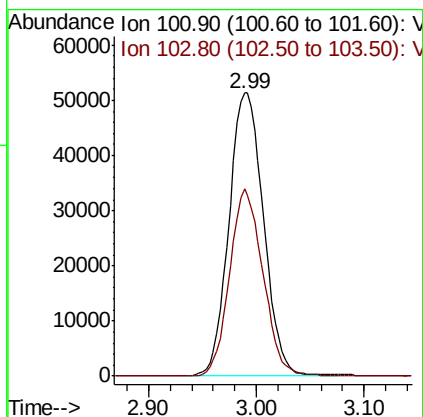
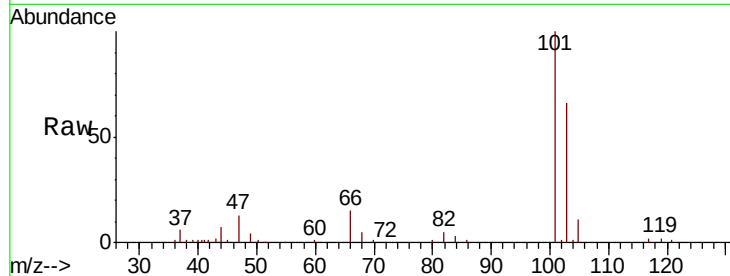
Trichlorofluoromethane  
Concen: 19.183 ug/l  
RT: 2.99 min Scan# 378  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBSD02

Tot Ion:101 Resp: 114315  
Ion Ratio Lower Upper  
101 100  
103 66.2 51.9 77.9

Manual Integrations  
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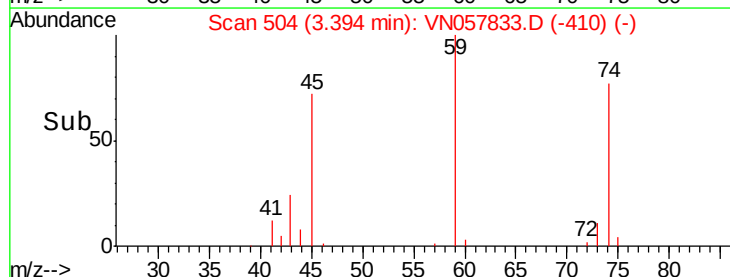
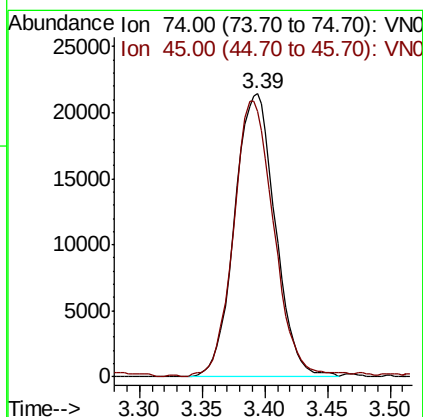
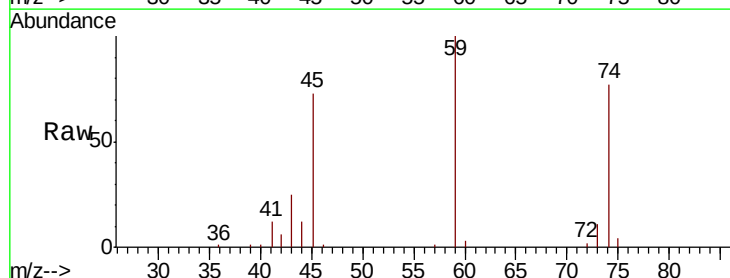
MMDadoda  
9/13/2019 5:16:25 AM



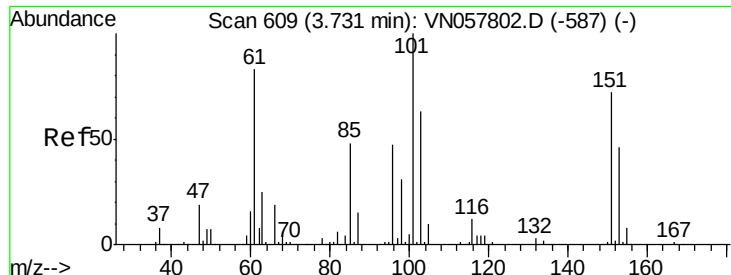
#8

Diethyl Ether  
Concen: 19.440 ug/l  
RT: 3.39 min Scan# 504  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Tgt Ion: 74 Resp: 48318  
Ion Ratio Lower Upper  
74 100  
45 96.9 50.3 151.0







#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.006 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA\_N

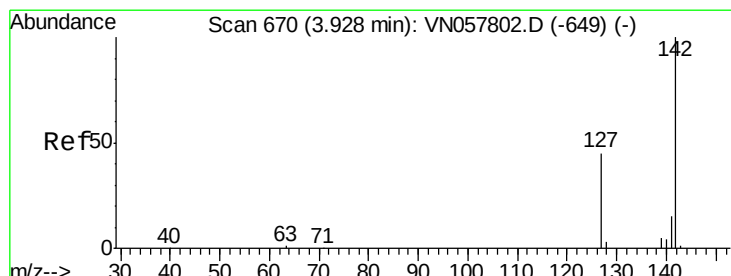
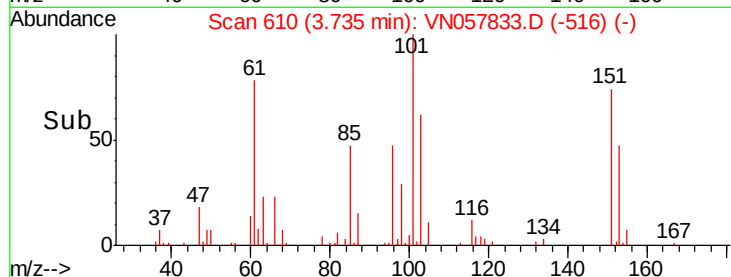
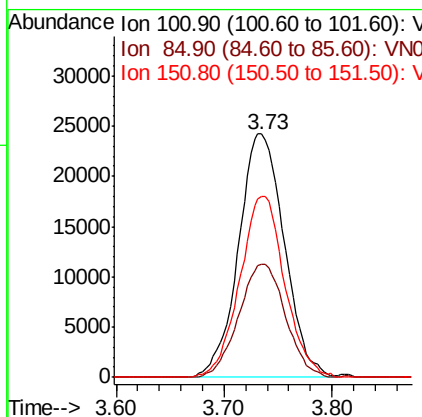
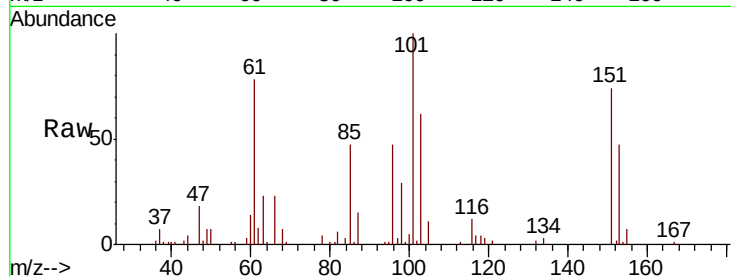
ClientSampleId :

VN0910WBSD02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 71448 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 47.3  | 38.1  | 57.1  |
| 151       | 72.9  | 58.4  | 87.6  |

Manual Integrations  
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MMDadoda  
9/13/2019 5:16:25 AM



#10

Methyl Iodide

Concen: 18.423 ug/l

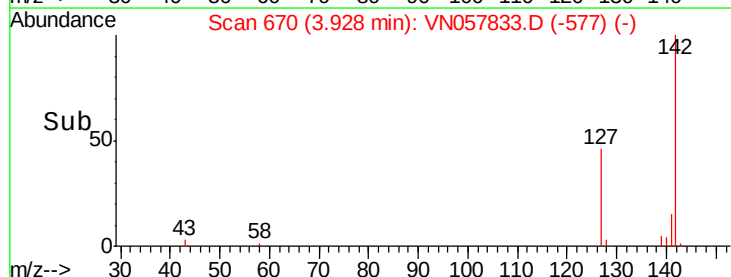
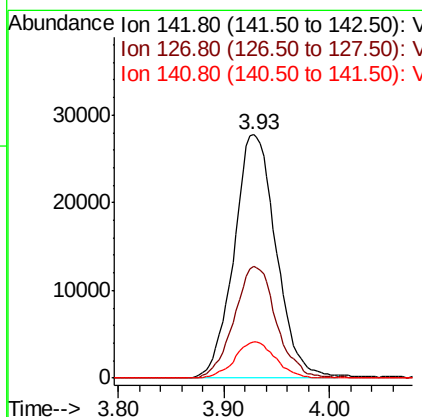
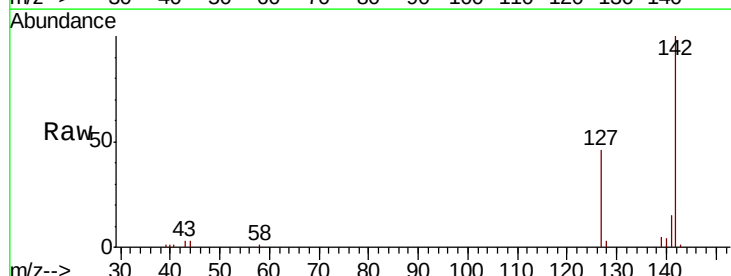
RT: 3.93 min Scan# 670

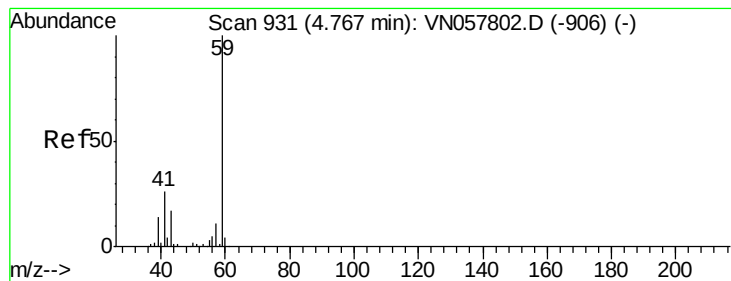
Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 77067 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 45.7  | 36.7  | 55.1  |
| 141       | 14.4  | 11.4  | 17.0  |





#11

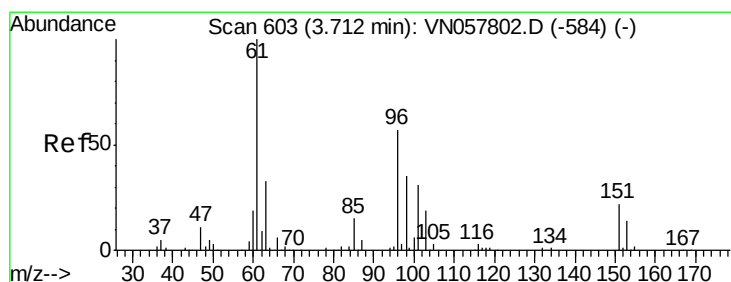
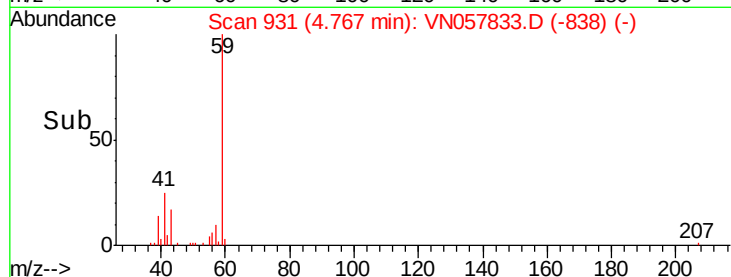
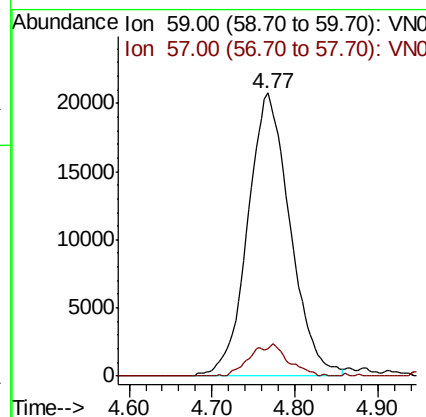
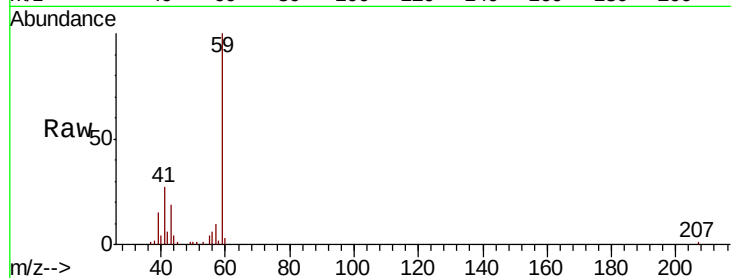
Tert butyl alcohol  
Concen: 94.693 ug/l  
RT: 4.77 min Scan# 931  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 4.4   | 8.4   | 12.6# |

Manual Integrations  
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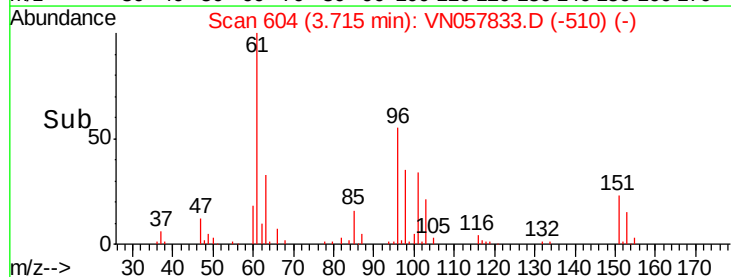
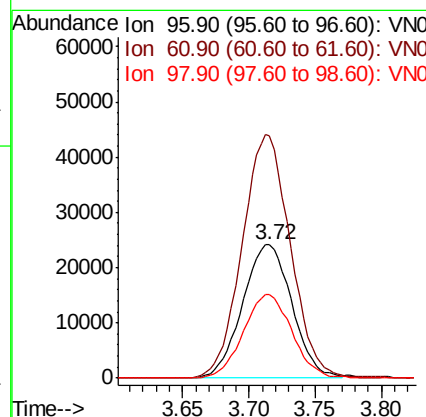
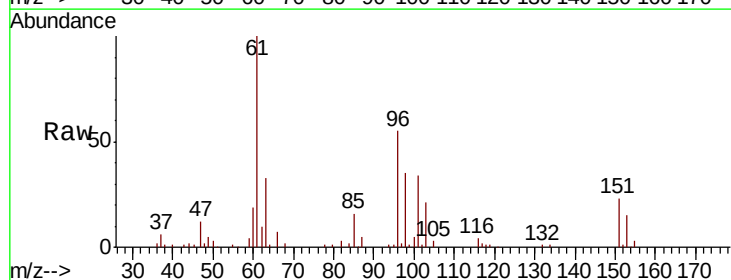
MMDadoda  
9/13/2019 5:16:25 AM

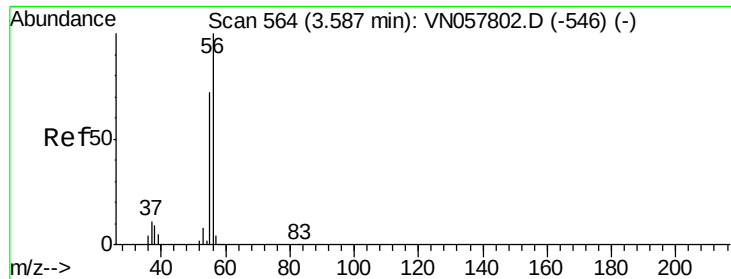


#12

1,1-Dichloroethene  
Concen: 18.453 ug/l  
RT: 3.72 min Scan# 604  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 182.0 | 141.2 | 211.8 |
| 98      | 63.1  | 49.9  | 74.9  |





#13

Acrolein

Concen: 87.104 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0910WBSD02

Tot Ion: 56 Resp: 57503

Ion Ratio Lower Upper

56 100

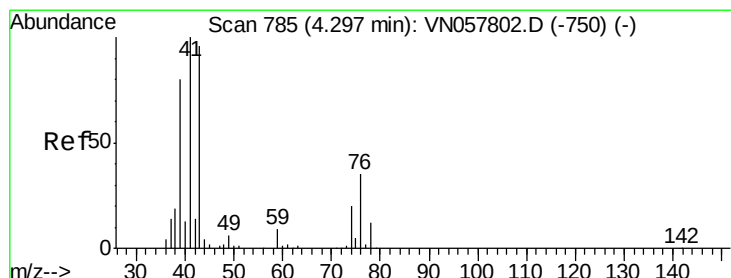
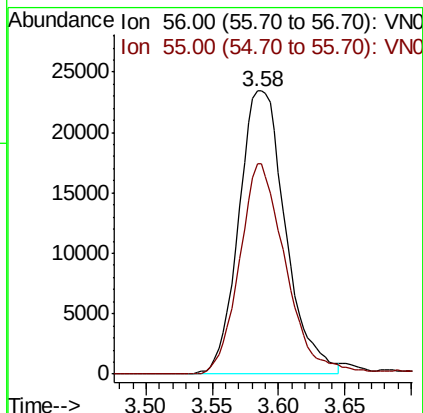
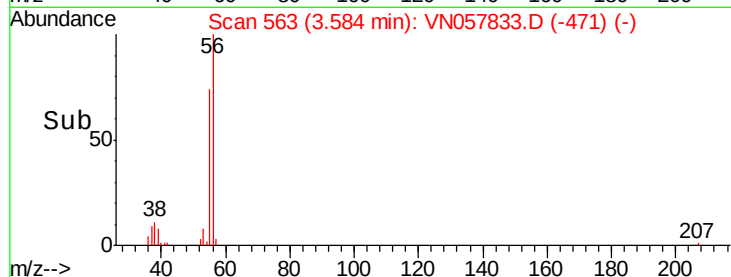
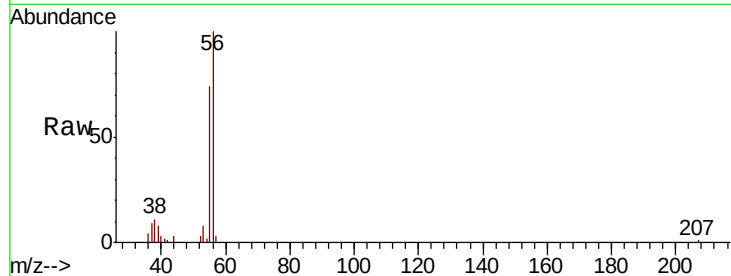
55 73.5 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 17.361 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

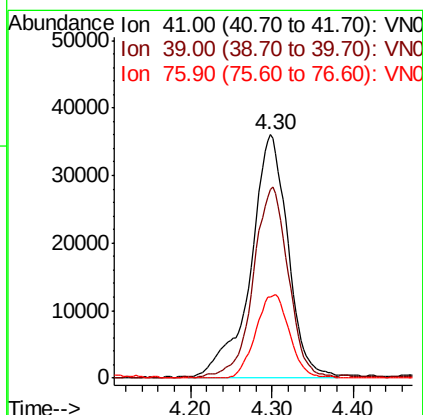
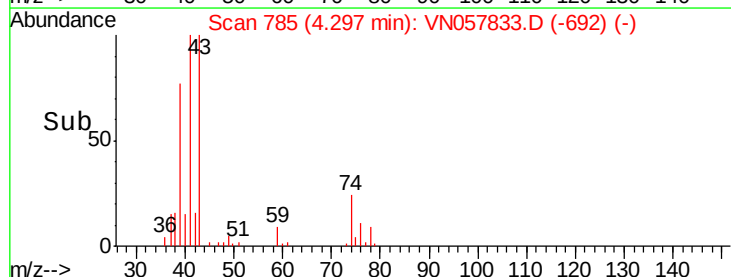
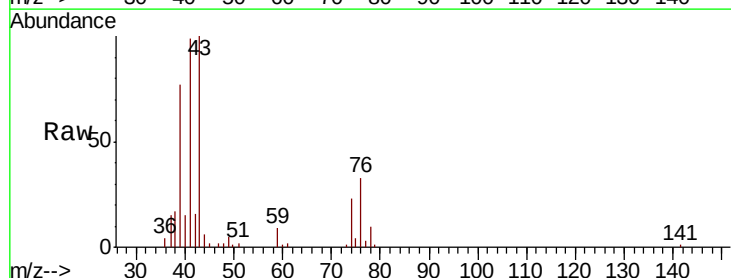
Tgt Ion: 41 Resp: 114834

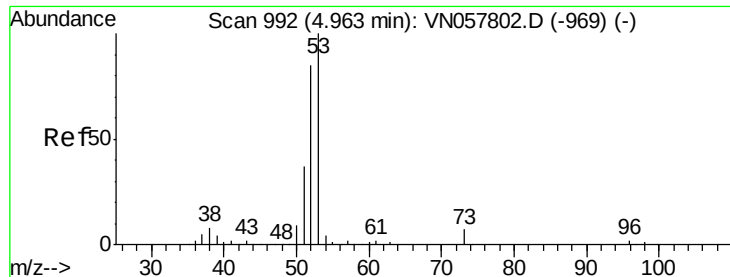
Ion Ratio Lower Upper

41 100

39 73.3 59.4 89.2

76 30.7 26.0 39.0





#15

Acrylonitrile

Concen: 97.861 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA\_N

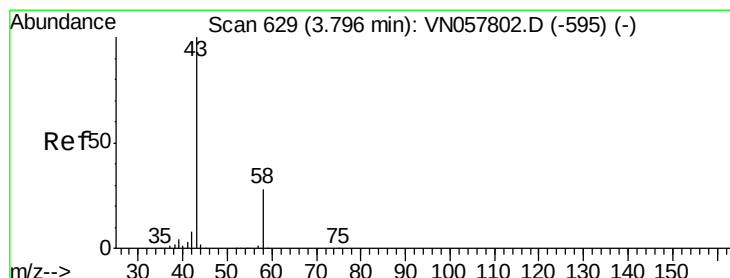
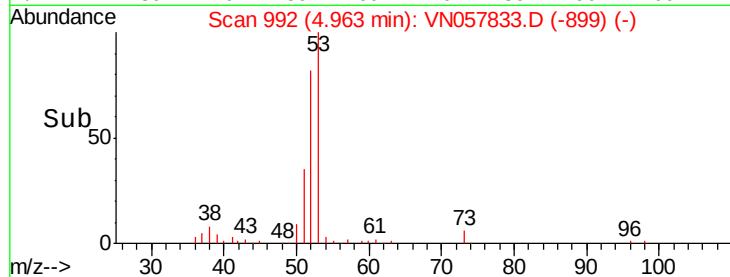
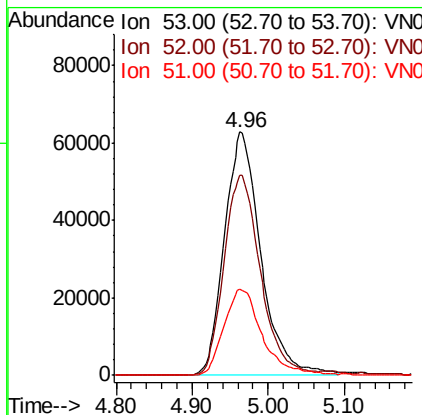
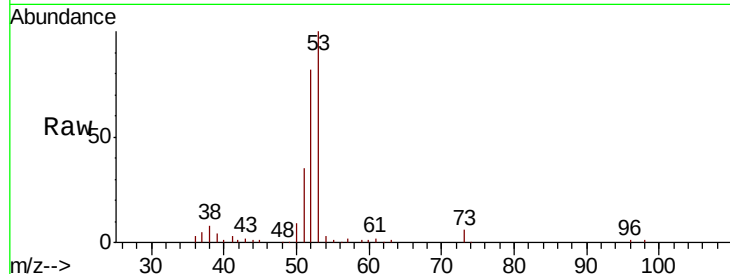
ClientSampleId :

VN0910WBSD02

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 209302 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.4  | 66.6  | 100.0  |
| 51       | 37.2  | 29.8  | 44.8   |

Manual Integrations  
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#16

Acetone

Concen: 81.940 ug/l

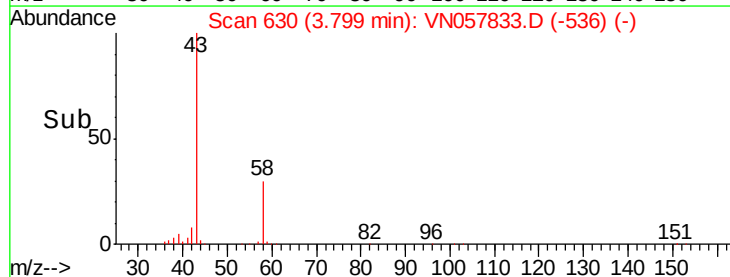
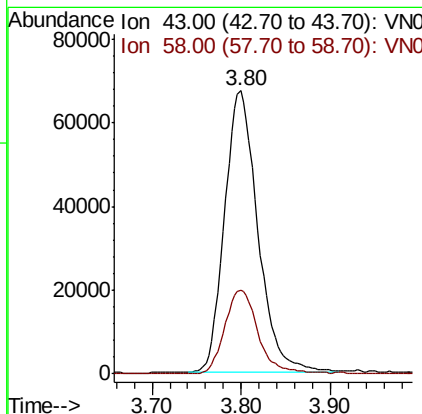
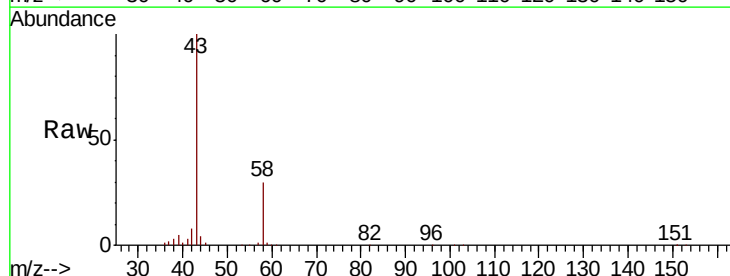
RT: 3.80 min Scan# 630

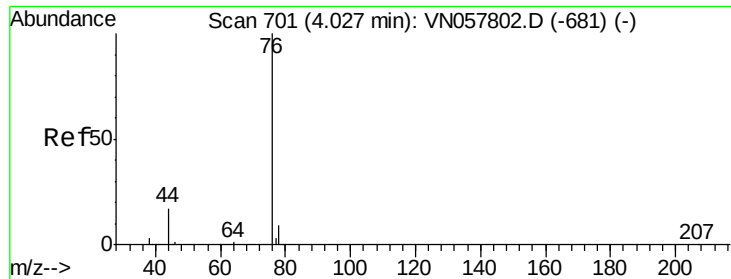
Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 172696 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 29.8  | 22.2  | 33.2   |





#17

Carbon Disulfide

Concen: 17.862 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0910WBSD02

Tot Ion: 76 Resp: 93427

Ion Ratio Lower Upper

76 100

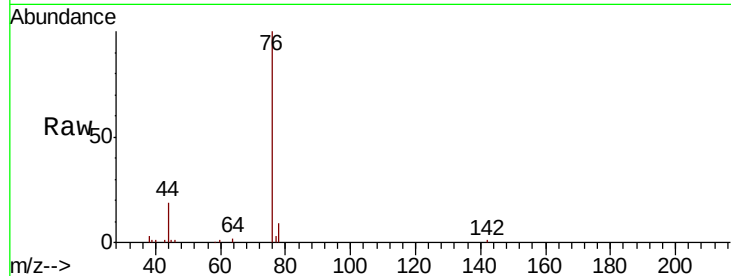
78 9.2 7.1 10.7

Manual Integrations

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9/13/2019 5:16:25 AM



Abundance Ion 75.90 (75.60 to 76.60): VN057802.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN057802.D (-681) (-)

4.03

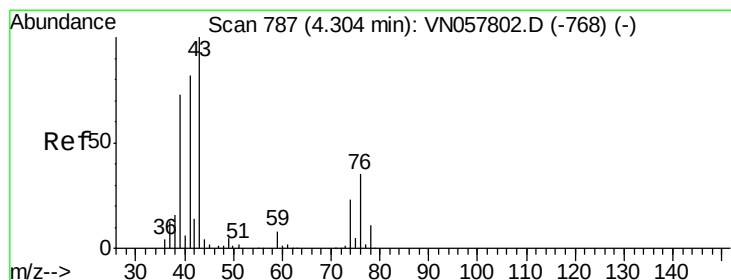
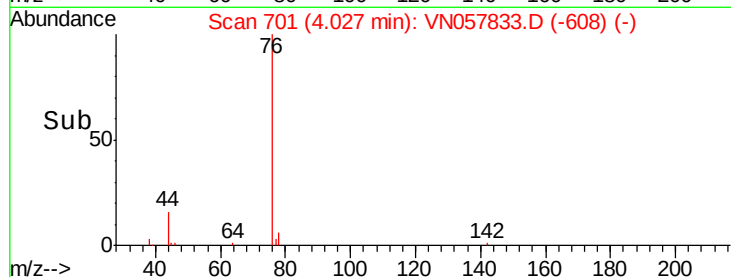
30000

20000

10000

0

Time--> 3.90 3.95 4.00 4.05 4.10



#18

Methyl Acetate

Concen: 20.391 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057833.D

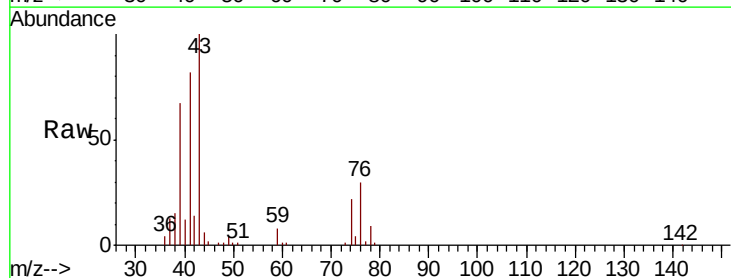
Acq: 10 Sep 2019 4:18

Tgt Ion: 43 Resp: 114585

Ion Ratio Lower Upper

43 100

74 22.0 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-768) (-)

Ion 74.00 (73.70 to 74.70): VN057802.D (-768) (-)

4.30

40000

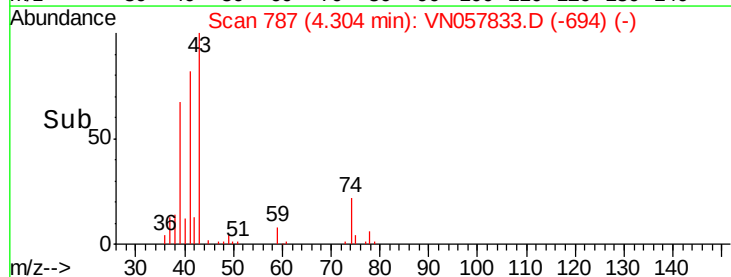
30000

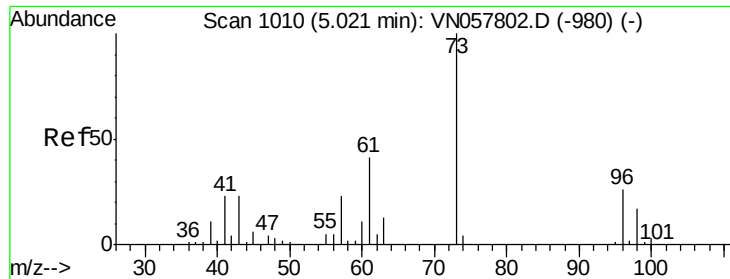
20000

10000

0

Time--> 4.20 4.30 4.40





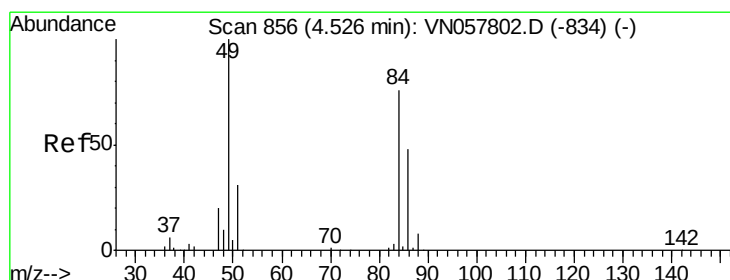
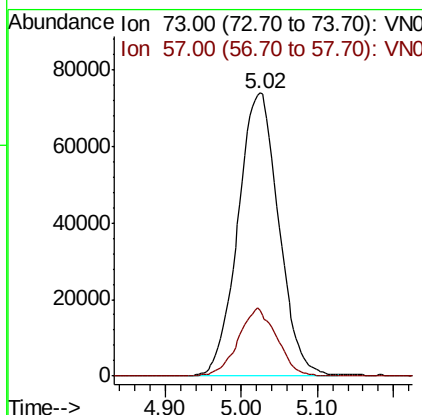
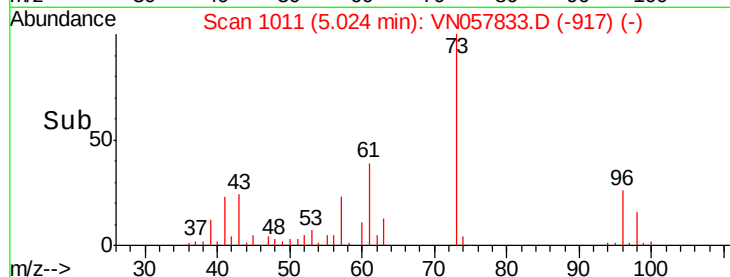
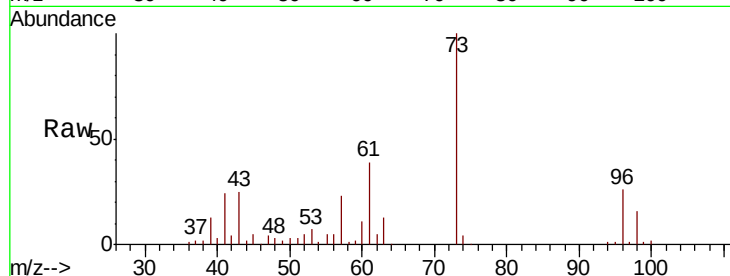
#19  
Methyl tert-butyl Ether  
Concen: 19.596 ug/l  
RT: 5.02 min Scan# 1011  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBSD02

Tot Ion: 73 Resp: 275648  
Ion Ratio Lower Upper  
73 100  
57 23.4 18.2 27.2

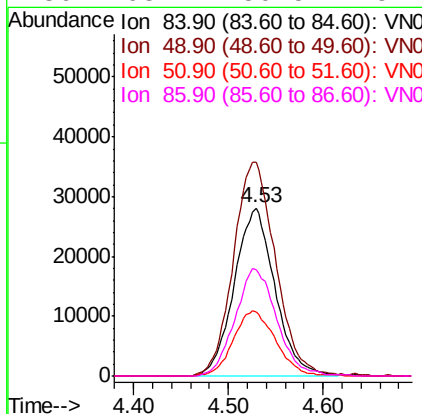
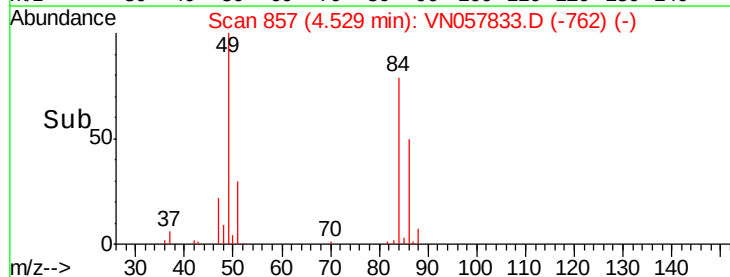
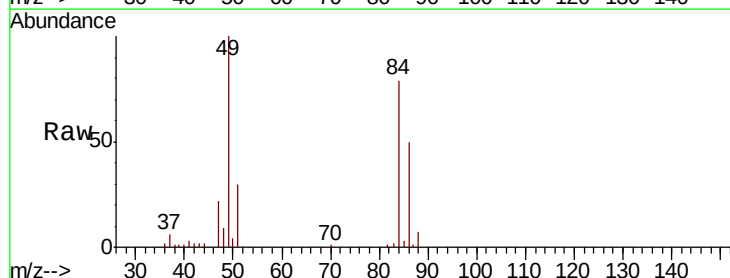
Manual Integrations  
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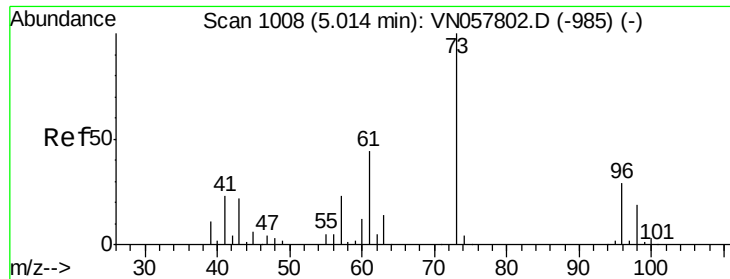
MMDadoda  
9/13/2019 5:16:25 AM



#20  
Methylene Chloride  
Concen: 20.147 ug/l  
RT: 4.53 min Scan# 857  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Tgt Ion: 84 Resp: 83783  
Ion Ratio Lower Upper  
84 100  
49 127.2 104.8 157.2  
51 38.5 33.0 49.4  
86 63.1 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 18.419 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA\_N

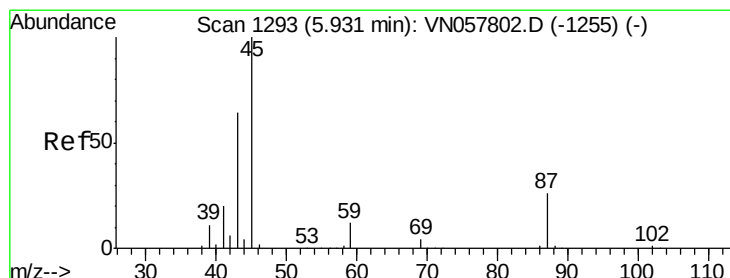
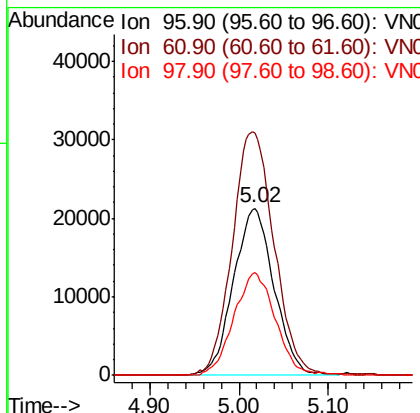
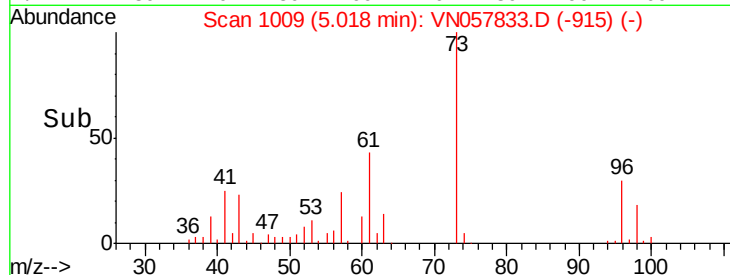
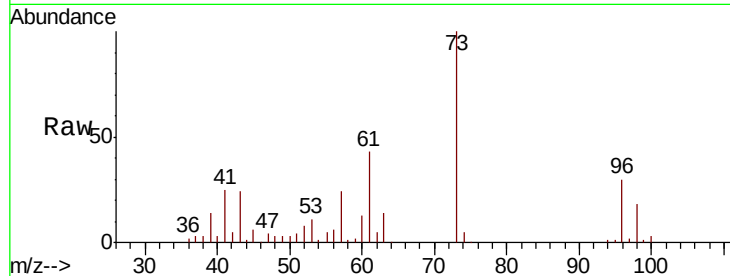
ClientSampleId :

VN0910WBSD02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 67299 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 145.0 | 121.9 | 182.9 |
| 98       | 61.6  | 52.2  | 78.4  |

Manual Integrations  
APPROVED

MMDadoda  
9/13/2019 5:16:25 AM



#22

Diisopropyl ether

Concen: 19.355 ug/l

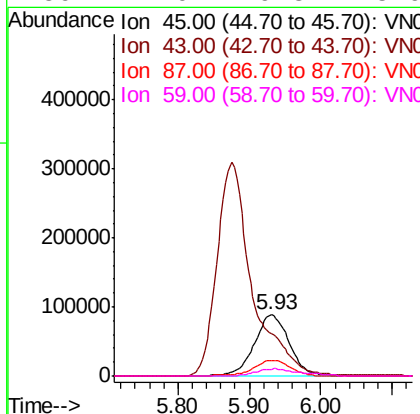
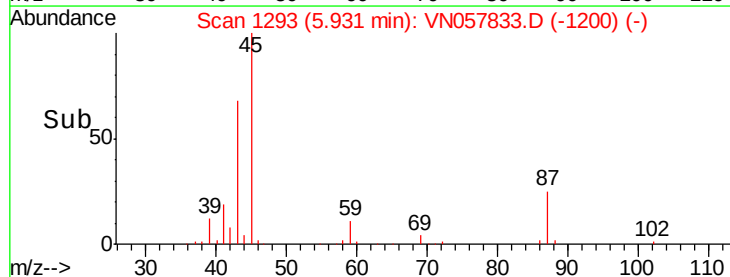
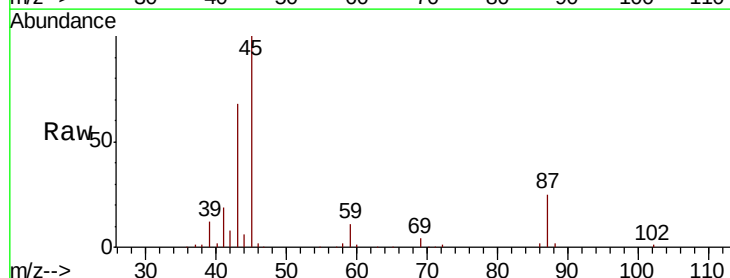
RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

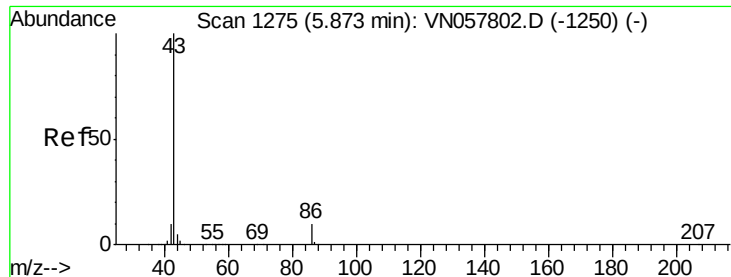
Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 300231 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 67.4  | 51.4  | 77.2   |
| 87       | 24.8  | 21.3  | 31.9   |
| 59       | 11.0  | 9.3   | 13.9   |







#23

Vinyl Acetate

Concen: 96.657 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0910WBSD02

Tot Ion: 43 Resp: 1062591

Ion Ratio Lower Upper

43 100

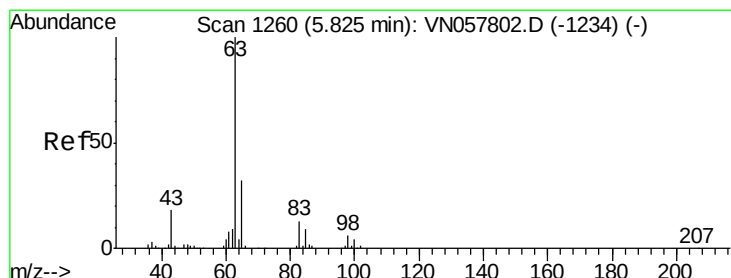
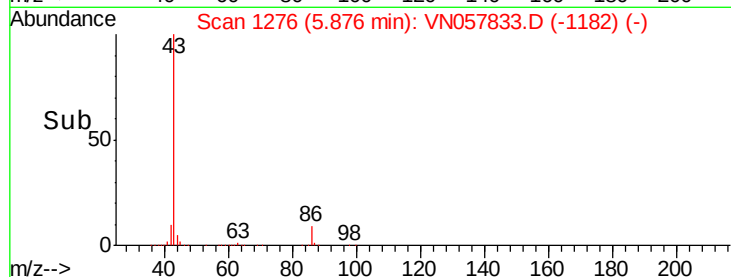
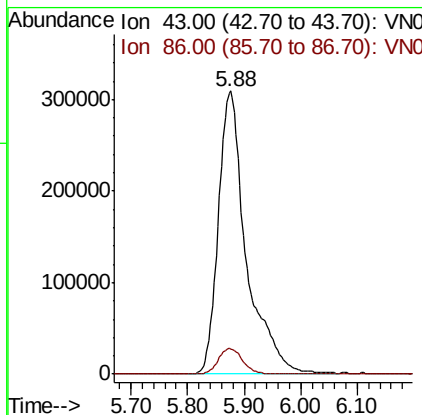
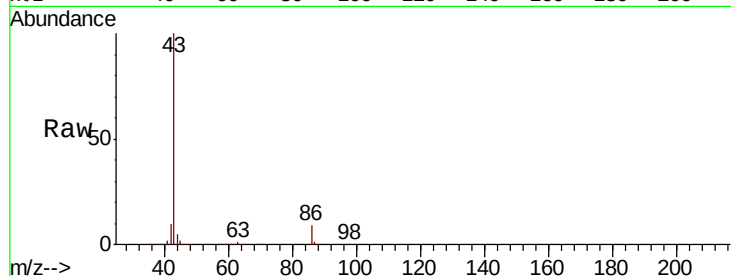
86 8.9 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.215 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

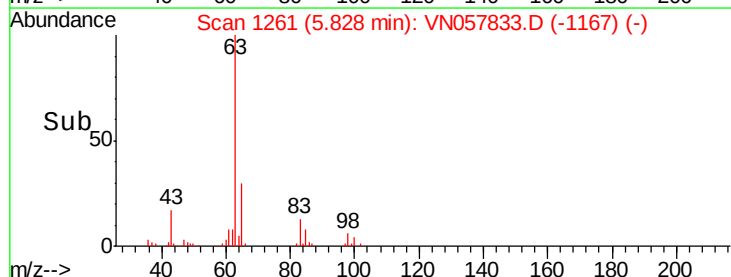
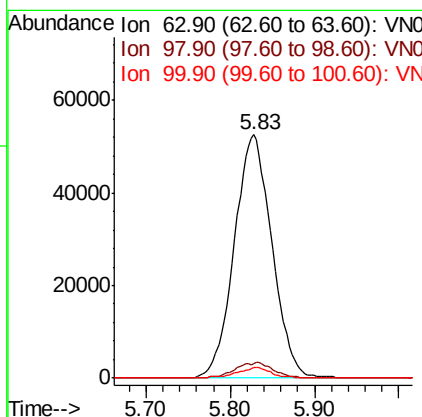
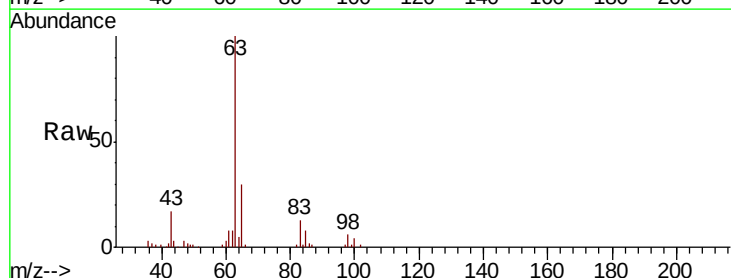
Tgt Ion: 63 Resp: 162899

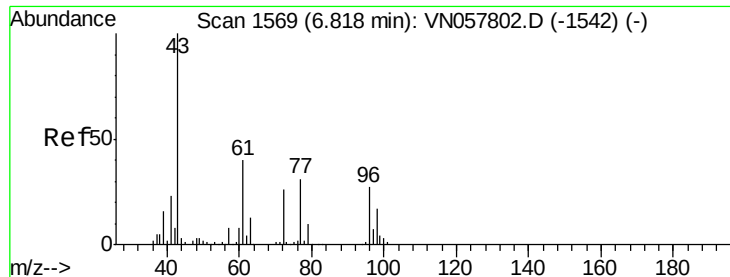
Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 4.3 2.0 5.8





#25

2-Butanone

Concen: 91.887 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0910WBSD02

Tot Ion: 43 Resp: 280296

Ion Ratio Lower Upper

43 100

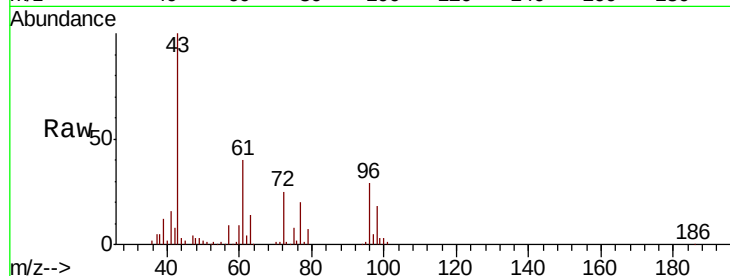
72 25.2 20.6 30.8

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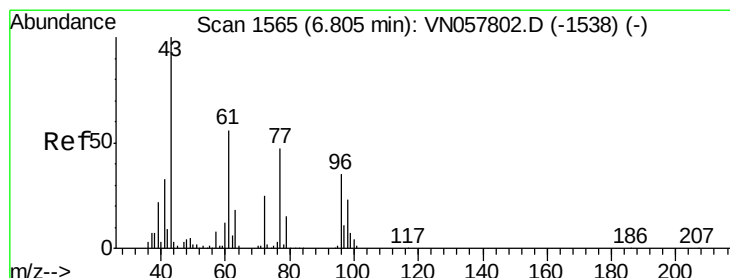
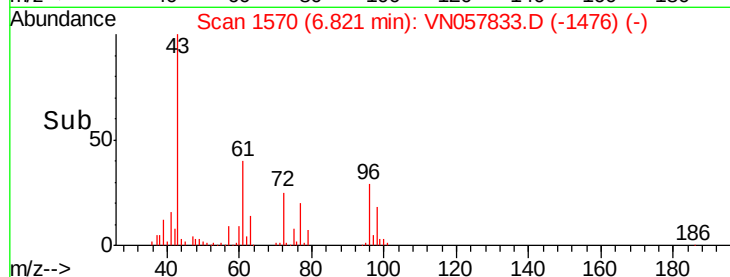
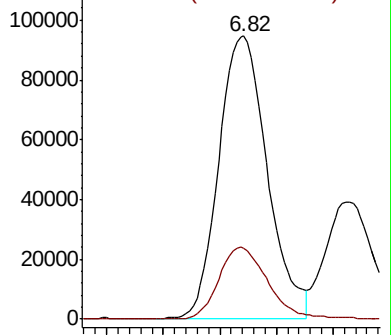
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 12.505 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057833.D

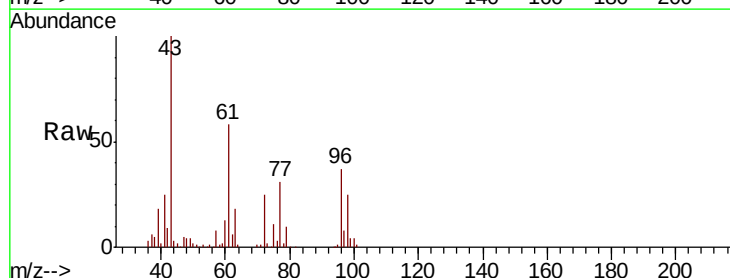
Acq: 10 Sep 2019 4:18

Tgt Ion: 77 Resp: 83894

Ion Ratio Lower Upper

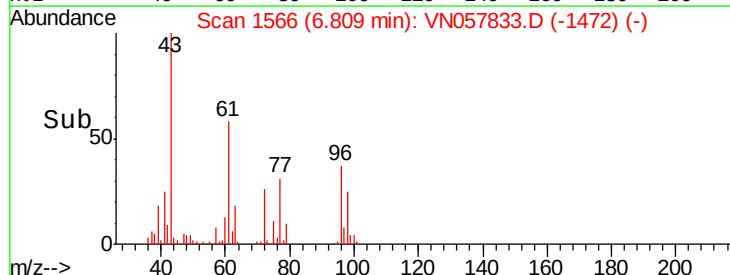
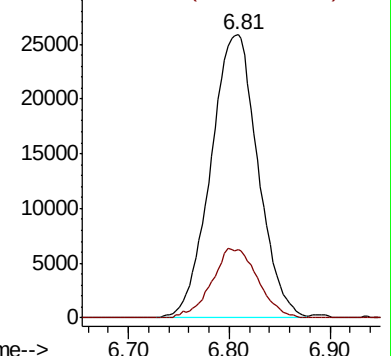
77 100

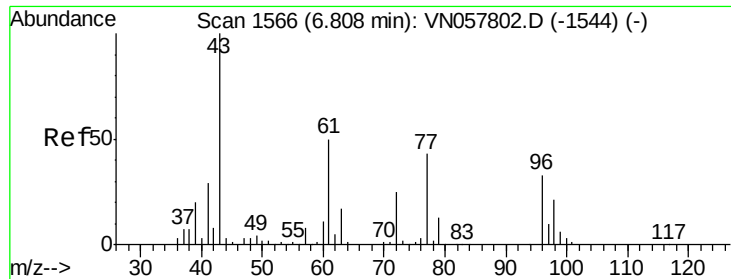
97 23.8 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 18.797 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA\_N

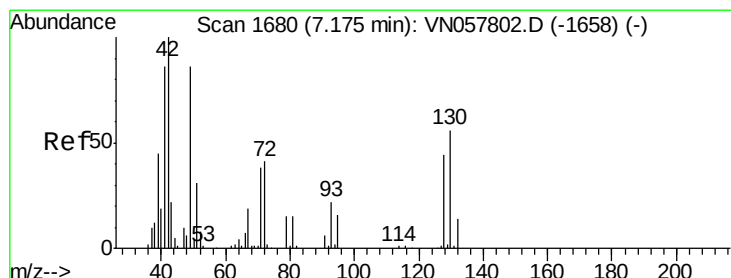
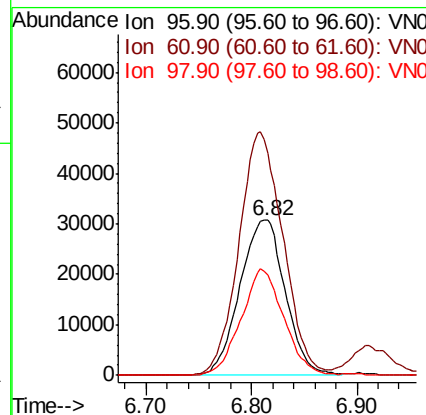
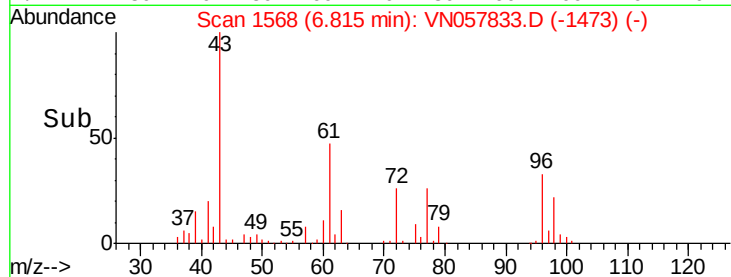
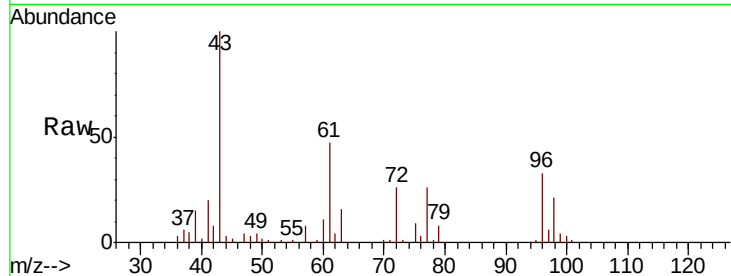
ClientSampleId :

VN0910WBSD02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 96    | Resp: | 92042 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 152.1 | 0.0   | 314.0 |
| 98        | 64.4  | 0.0   | 128.6 |

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#28

Bromochloromethane

Concen: 19.204 ug/l

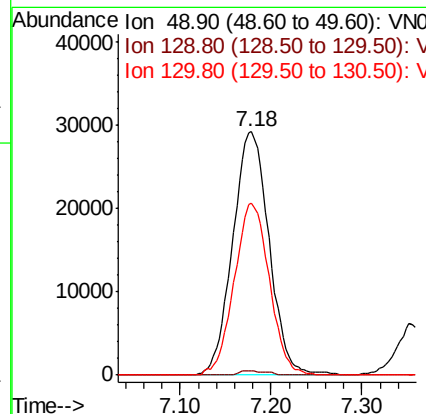
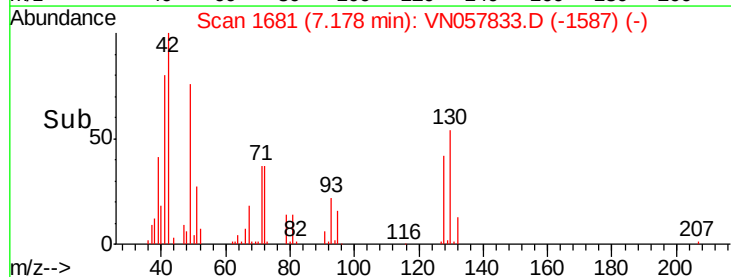
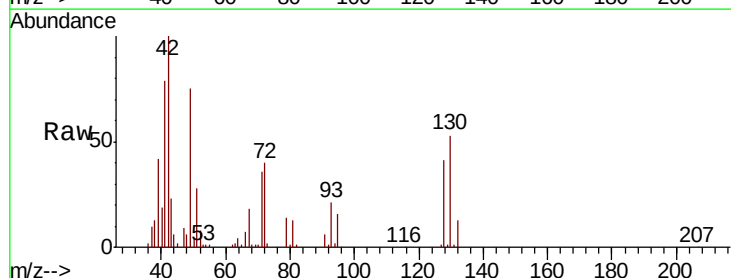
RT: 7.18 min Scan# 1681

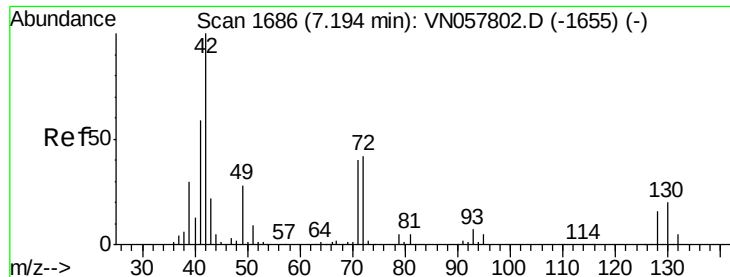
Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 49    | Resp: | 81336 |
| Ion Ratio | Lower | Upper |       |
| 49        | 100   |       |       |
| 129       | 1.4   | 0.0   | 3.8   |
| 130       | 68.1  | 53.0  | 79.6  |





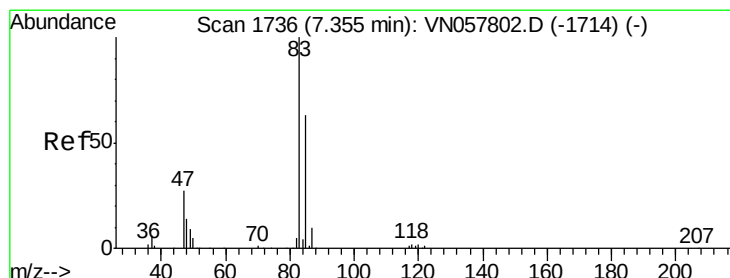
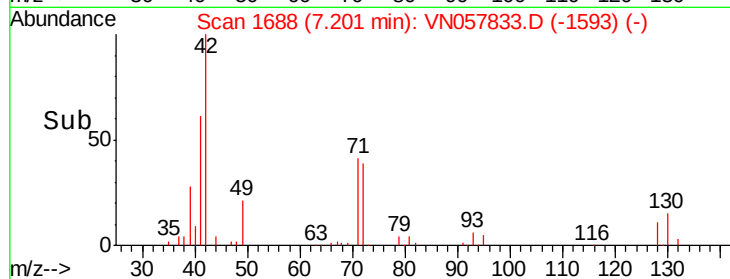
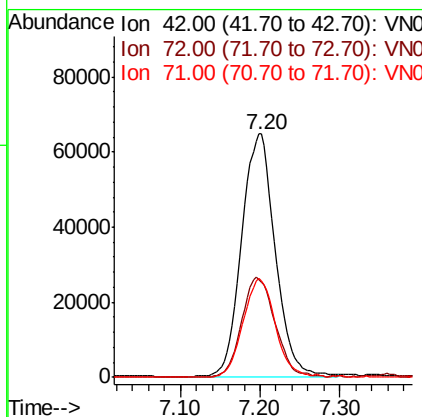
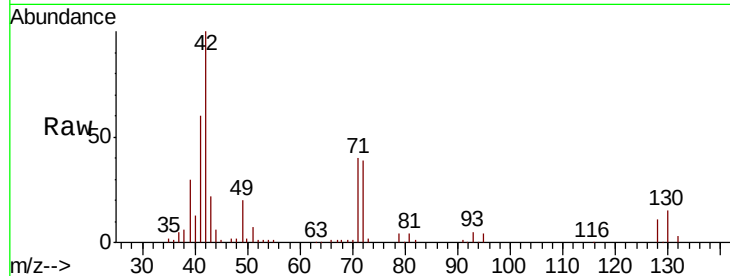
#29  
Tetrahydrofuran  
Concen: 99.033 ug/l  
RT: 7.20 min Scan# 1688  
Delta R.T. 0.01 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 40.6  | 33.7  | 50.5  |
| 71      | 38.5  | 31.9  | 47.9  |

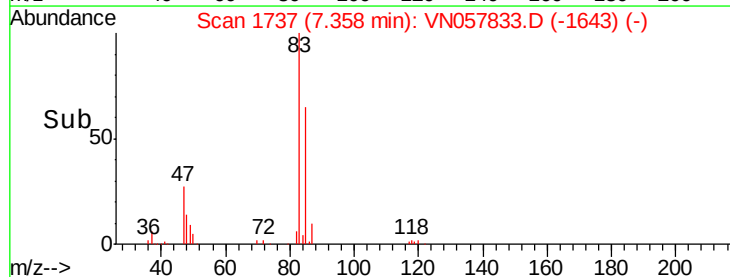
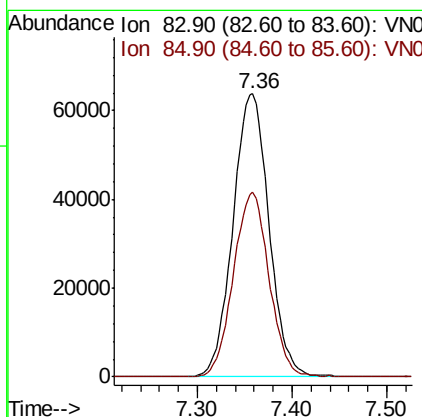
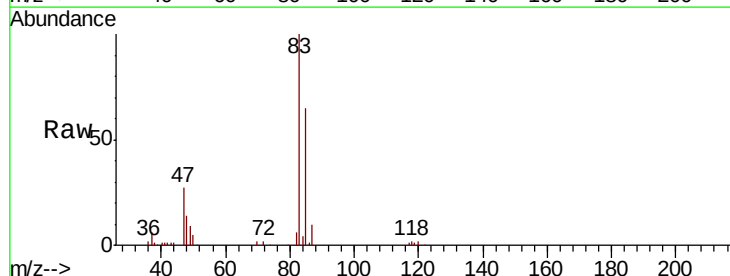
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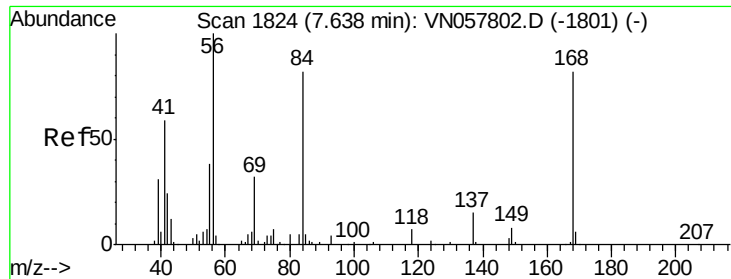
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#30  
Chloroform  
Concen: 19.034 ug/l  
RT: 7.36 min Scan# 1737  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.4  | 50.6  | 75.8  |





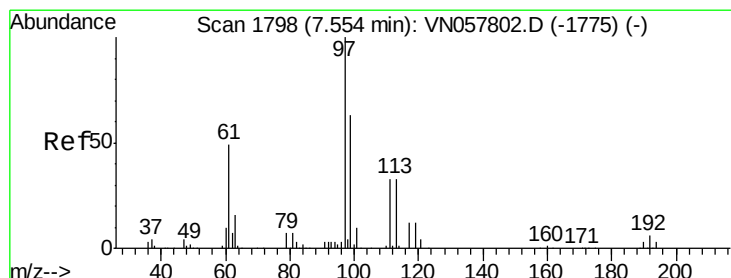
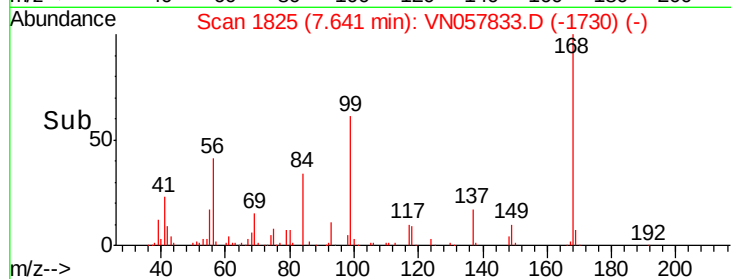
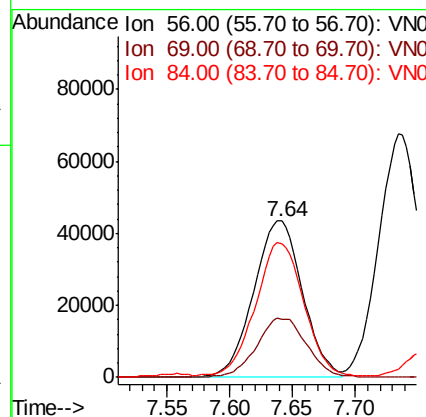
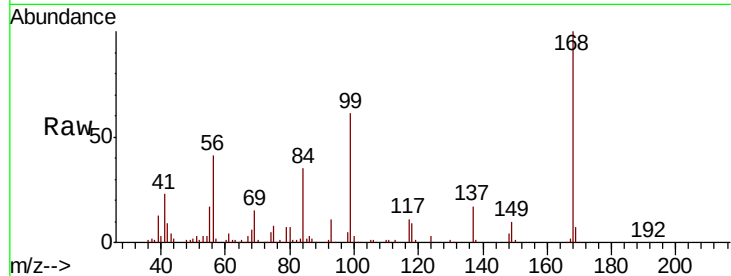
#31  
Cyclohexane  
Concen: 19.096 ug/l  
RT: 7.64 min Scan# 1825  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 37.3  | 25.9  | 38.9  |
| 84      | 84.1  | 65.6  | 98.4  |

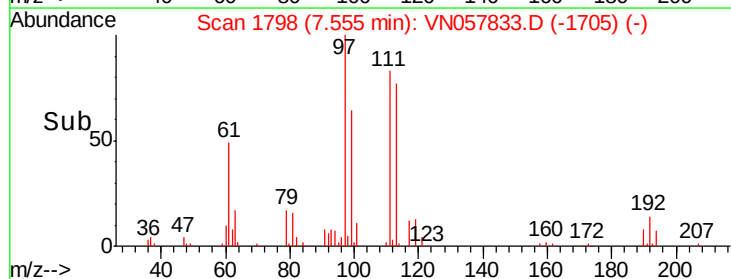
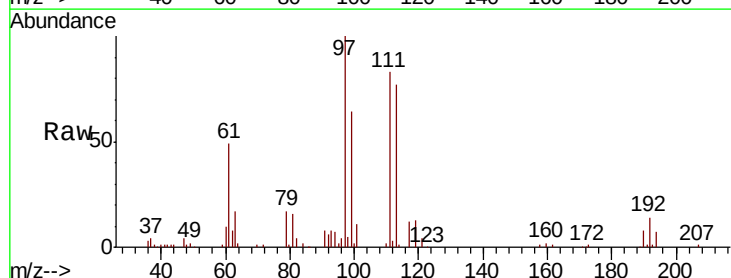
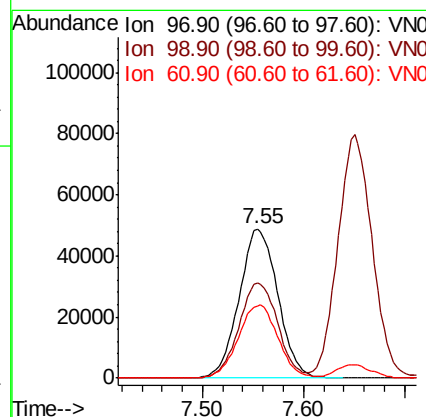
Manual Integrations  
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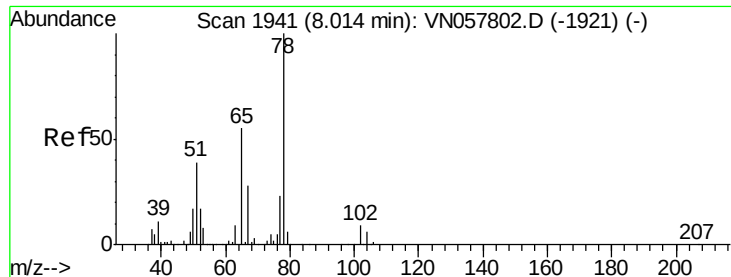
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#32  
1,1,1-Trichloroethane  
Concen: 18.541 ug/l  
RT: 7.55 min Scan# 1798  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.9  | 51.0  | 76.4  |
| 61      | 50.3  | 39.0  | 58.6  |





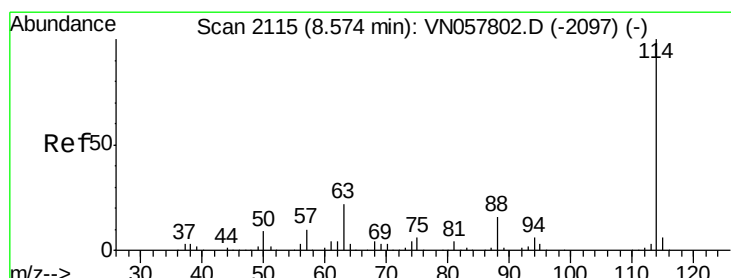
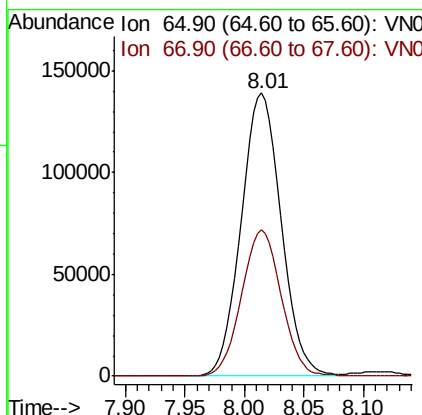
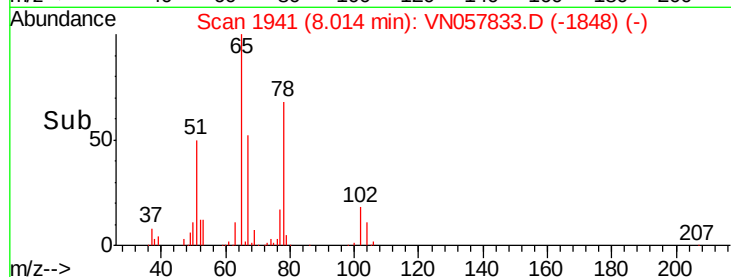
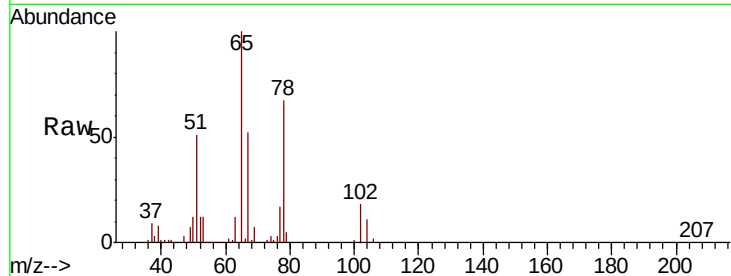
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.490 ug/l  
 RT: 8.01 min Scan# 1941  
 Delta R.T. 0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0910WBSD02

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 51.3  | 0.0  | 104.0 |       |

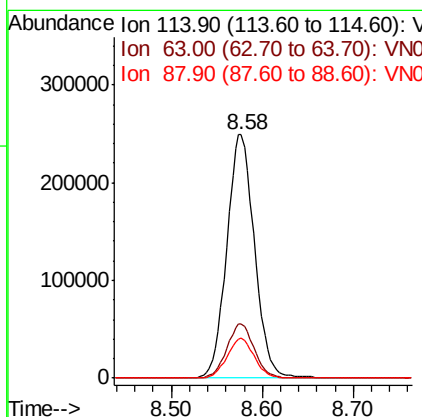
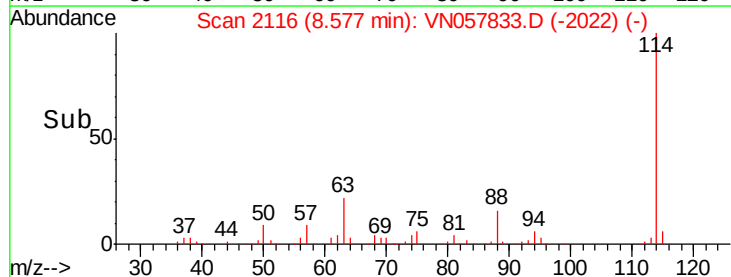
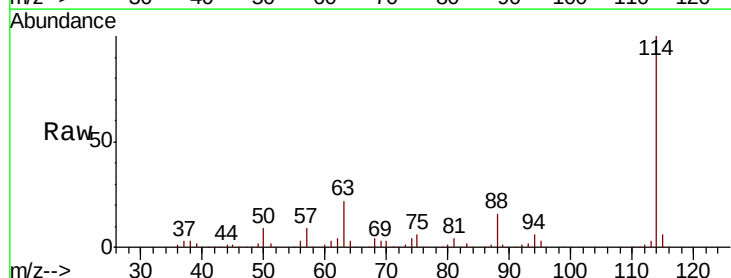
Manual Integrations  
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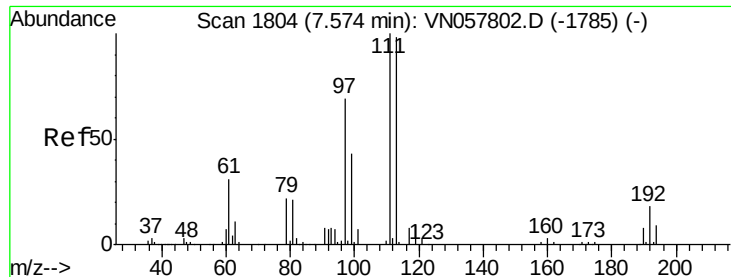
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2116  
 Delta R.T. 0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 22.2  | 0.0  | 44.0  |       |
| 88      | 16.4  | 0.0  | 31.4  |       |





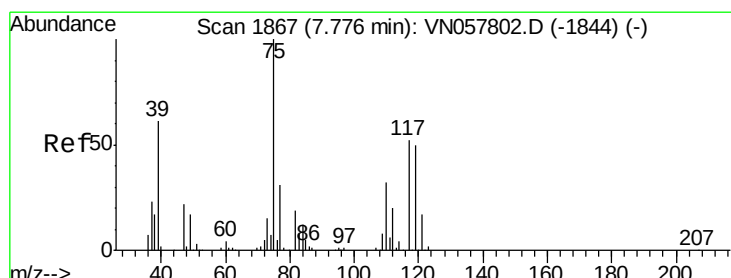
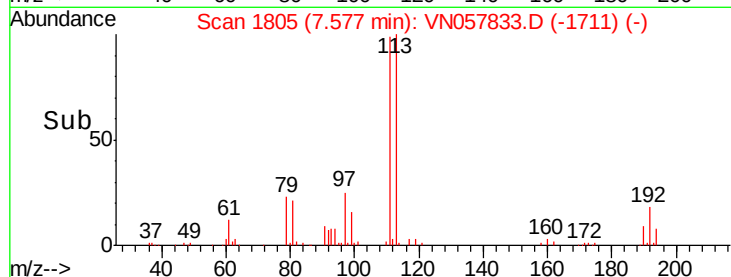
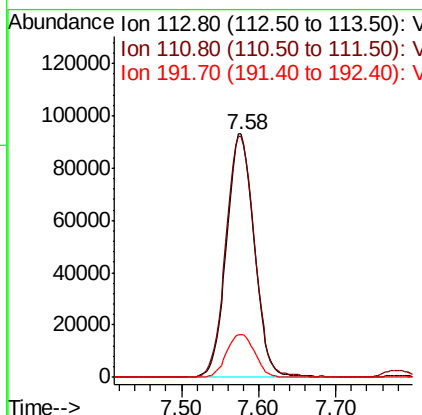
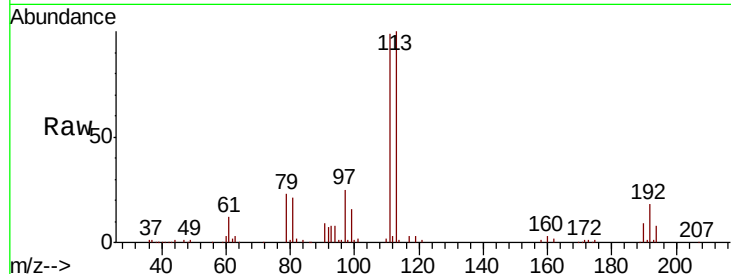
#35  
 Dibromofluoromethane  
 Concen: 47.499 ug/l  
 RT: 7.58 min Scan# 1805  
 Delta R.T. 0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0910WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 230557 |       |       |
| 111     | 102.2 | 81.3   | 121.9 |       |
| 192     | 17.9  | 14.6   | 22.0  |       |

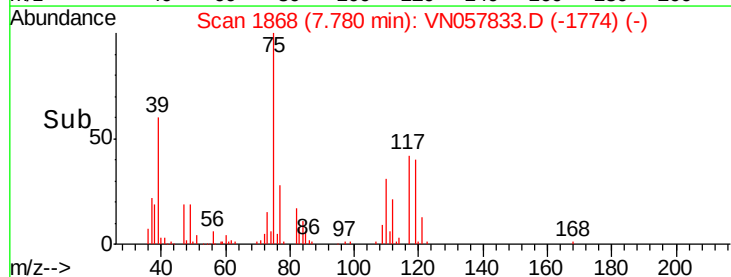
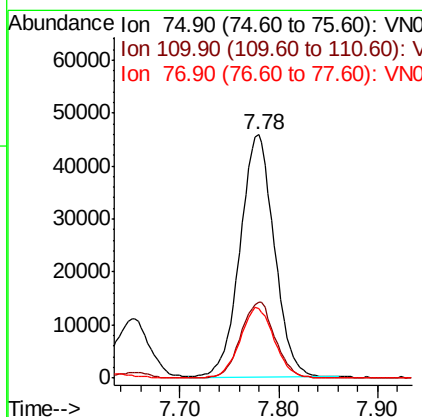
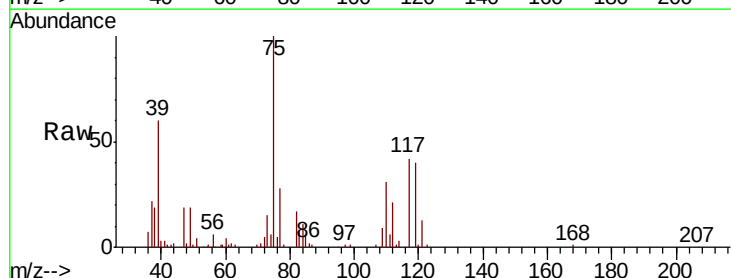
Manual Integrations  
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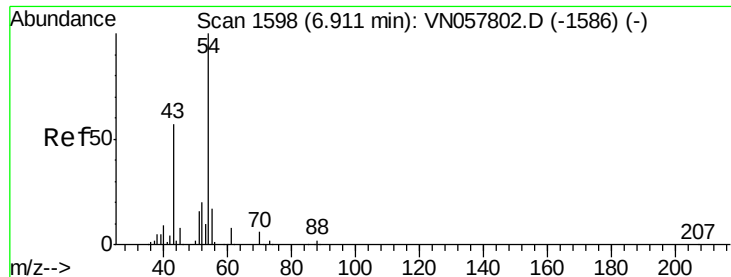
MMDadoda  
 9/13/2019 5:16:25 AM



#36  
 1,1-Dichloropropene  
 Concen: 18.037 ug/l  
 RT: 7.78 min Scan# 1868  
 Delta R.T. 0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 110012 |       |       |
| 110     | 31.4  | 16.3   | 48.9  |       |
| 77      | 29.2  | 25.0   | 37.4  |       |





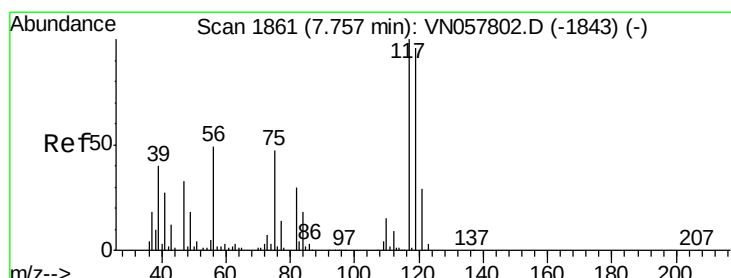
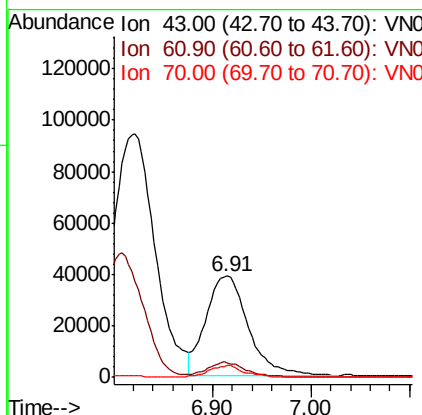
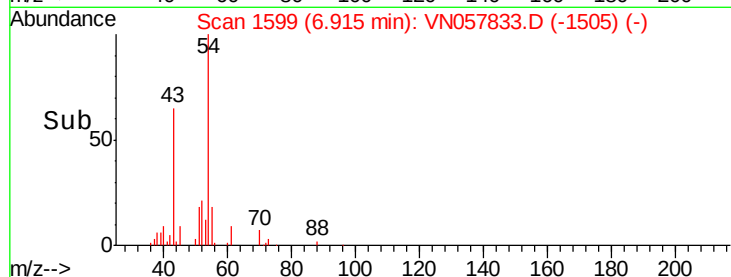
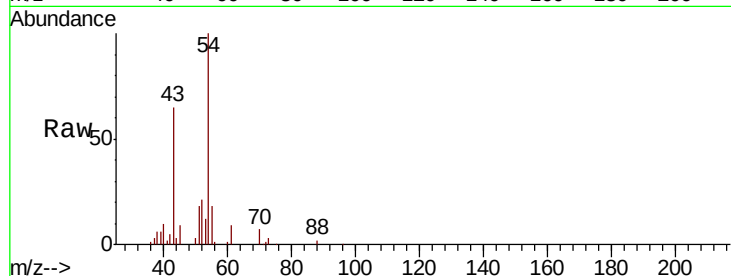
#37  
Ethyl Acetate  
Concen: 18.553 ug/l  
RT: 6.91 min Scan# 1599  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.1  | 10.5  | 15.7  |
| 70      | 10.0  | 7.4   | 11.0  |

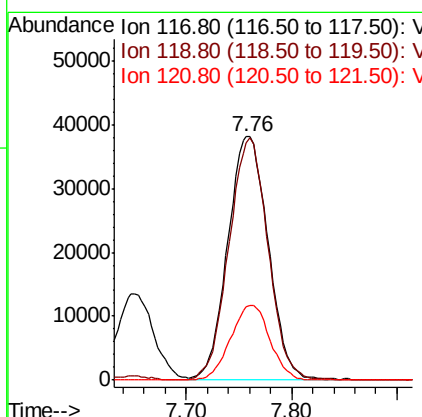
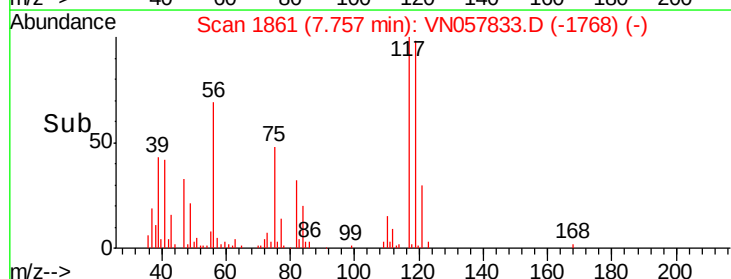
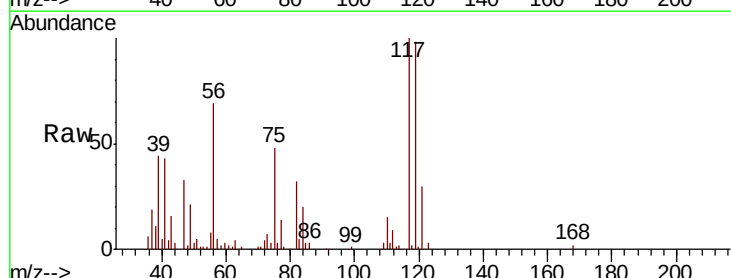
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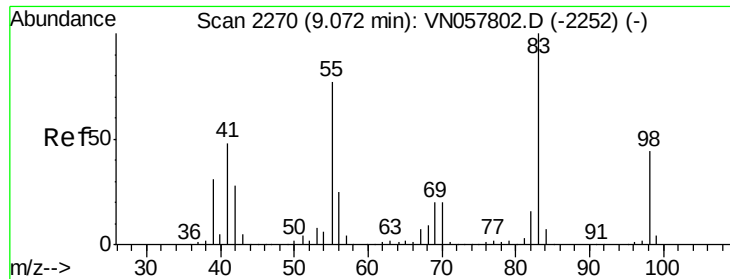


#38  
Carbon Tetrachloride  
Concen: 18.215 ug/l  
RT: 7.76 min Scan# 1861  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.6  | 76.9  | 115.3 |
| 121     | 30.1  | 23.4  | 35.2  |







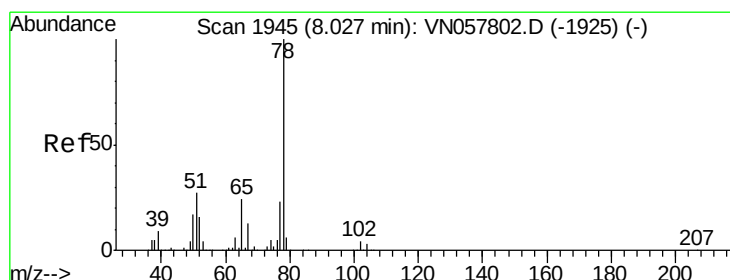
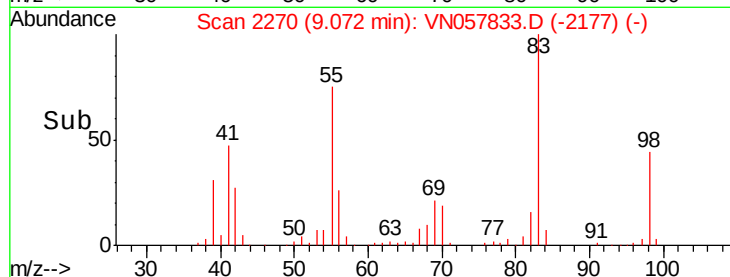
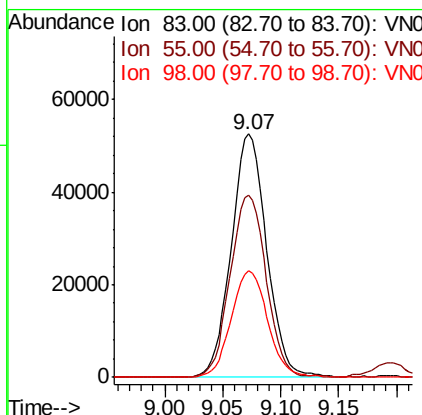
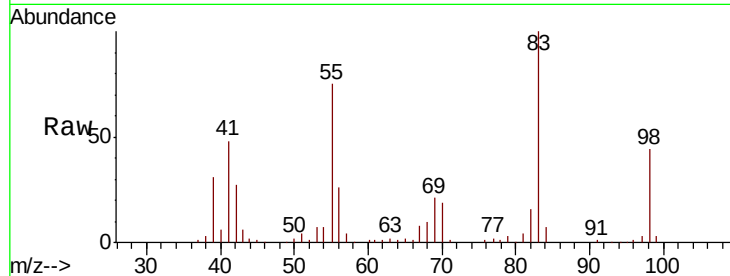
#39  
Methylvlcyclohexane  
Concen: 17.386 ug/l  
RT: 9.07 min Scan# 2270  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBSD02

| Tot Ion   | 83   | Resp  | 111470 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 55        | 74.6 | 61.6  | 92.4   |
| 98        | 43.8 | 34.9  | 52.3   |

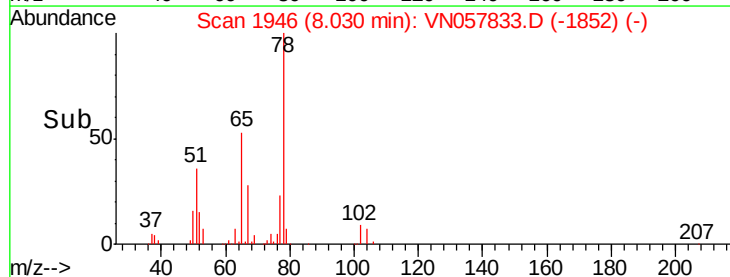
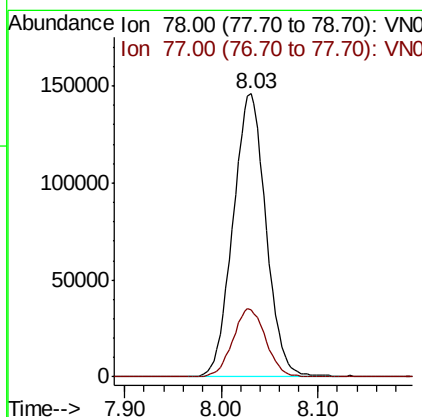
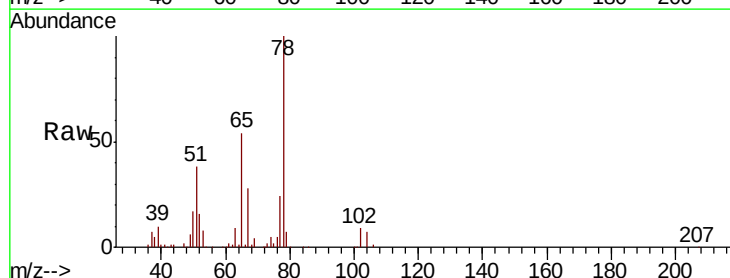
Manual Integrations  
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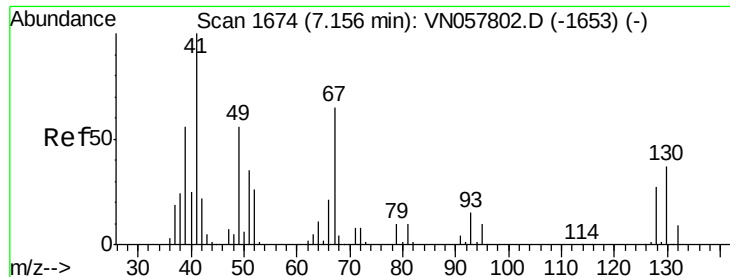
MMDadoda  
9/13/2019 5:16:25 AM



#40  
Benzene  
Concen: 18.820 ug/l  
RT: 8.03 min Scan# 1946  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

| Tgt Ion   | 78   | Resp  | 345581 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 78        | 100  |       |        |
| 77        | 23.7 | 18.3  | 27.5   |





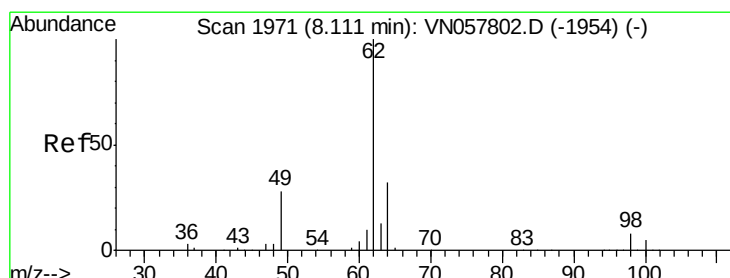
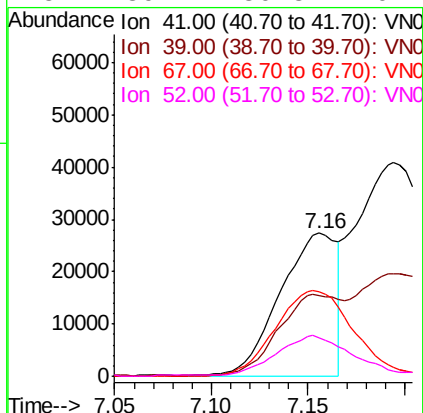
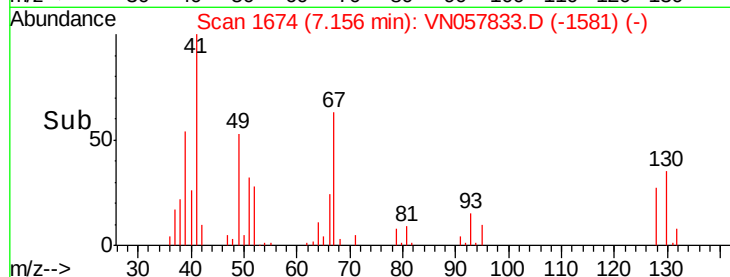
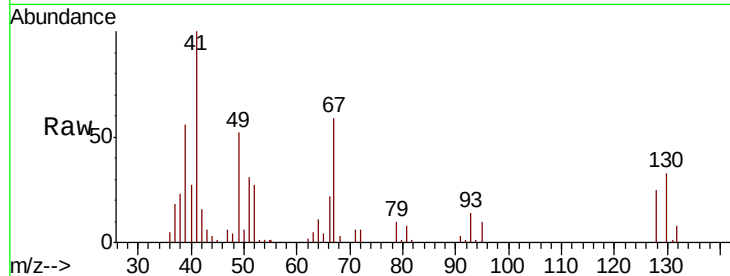
#41  
Methacrylonitrile  
Concen: 19.663 ug/l  
RT: 7.16 min Scan# 1674  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBSD02

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 63.3 | 51.0  | 76.6  |       |
| 67      | 82.9 | 70.7  | 106.1 |       |
| 52      | 39.2 | 30.8  | 46.2  |       |

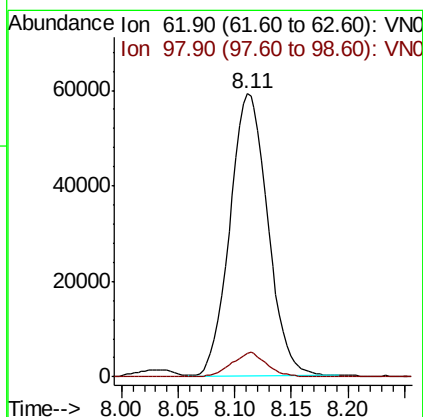
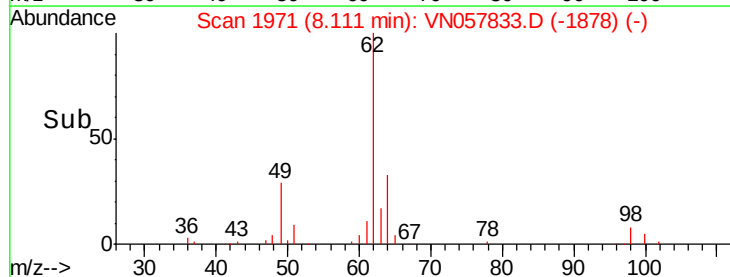
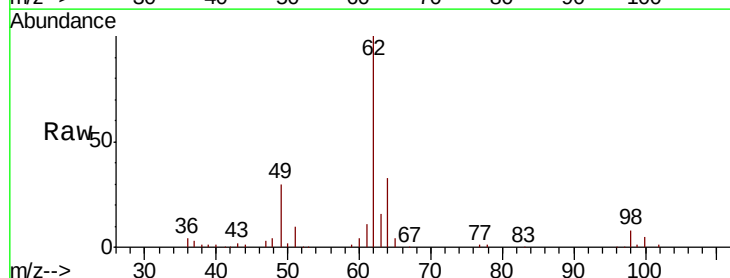
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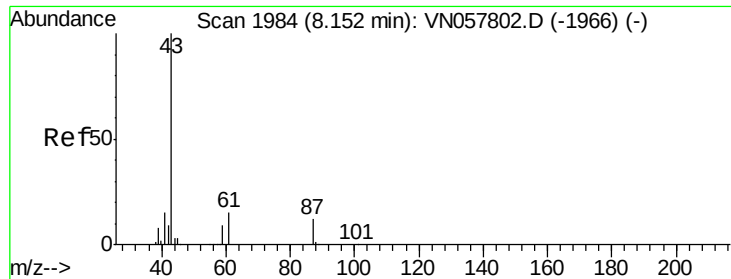
MMDadoda  
9/13/2019 5:16:25 AM



#42  
1,2-Dichloroethane  
Concen: 18.782 ug/l  
RT: 8.11 min Scan# 1971  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.0 | 0.0   | 15.8  |       |





#43

Isopropyl Acetate

Concen: 18.309 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA\_N

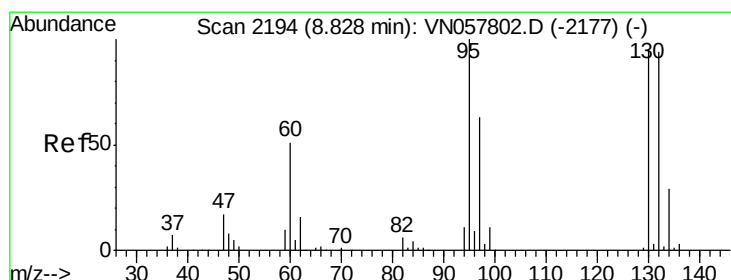
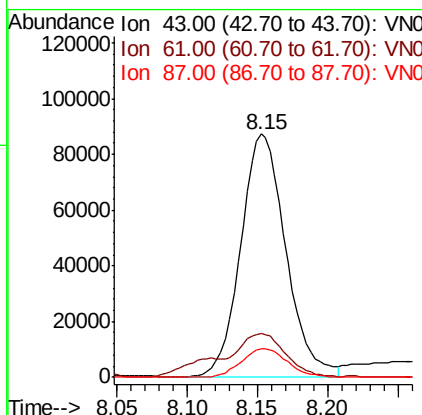
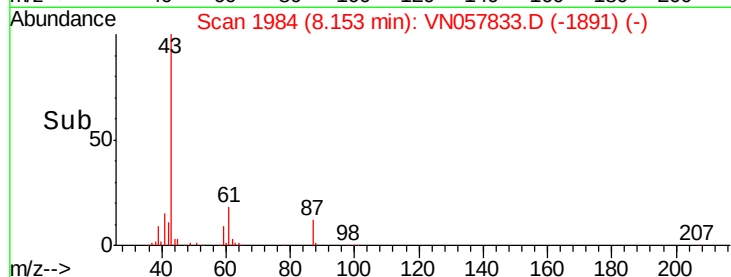
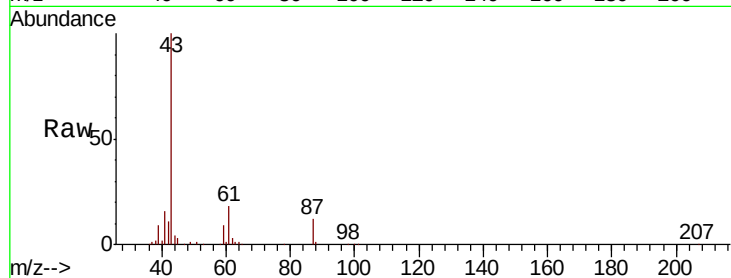
ClientSampleId :

VN0910WBSD02

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 194017 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 18.9  | 20.1  | 30.1#  |
| 87       | 12.2  | 9.5   | 14.3   |

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#44

Trichloroethene

Concen: 18.397 ug/l

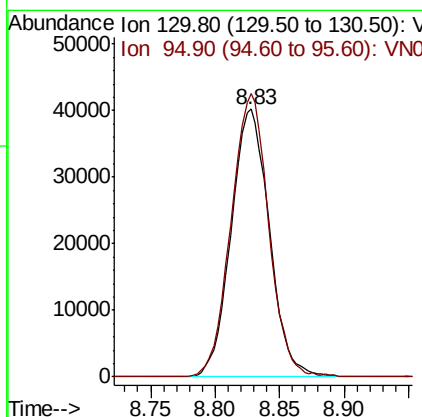
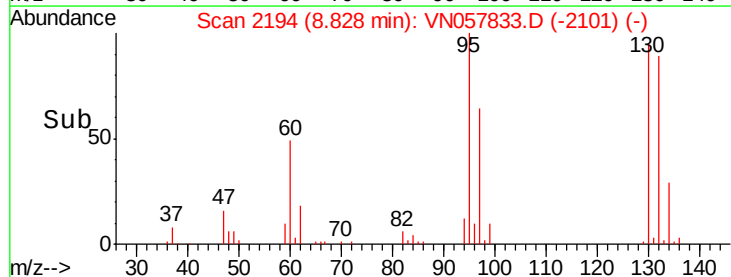
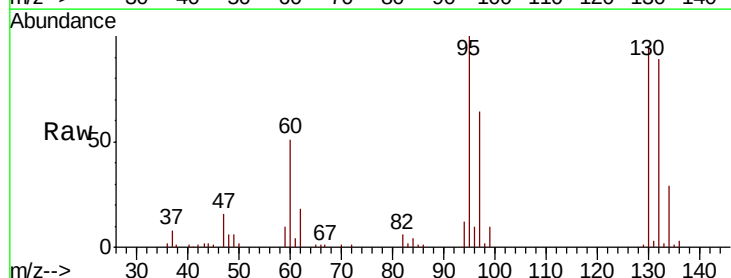
RT: 8.83 min Scan# 2194

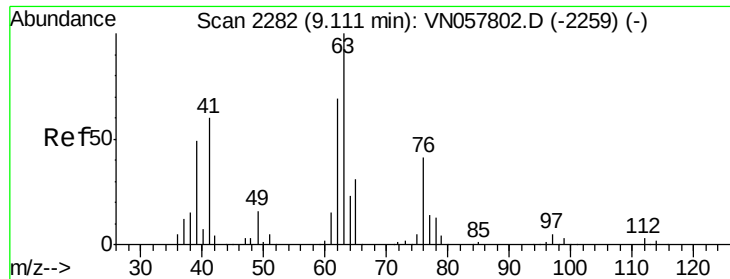
Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 82855 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 105.8 | 0.0   | 211.4 |





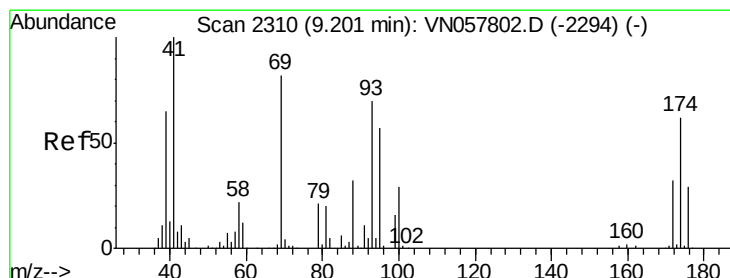
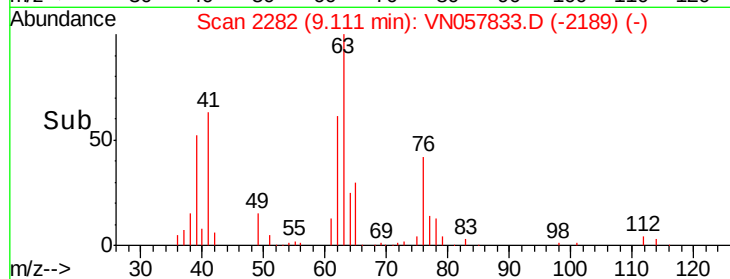
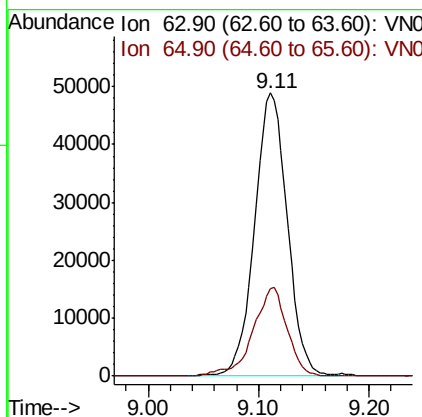
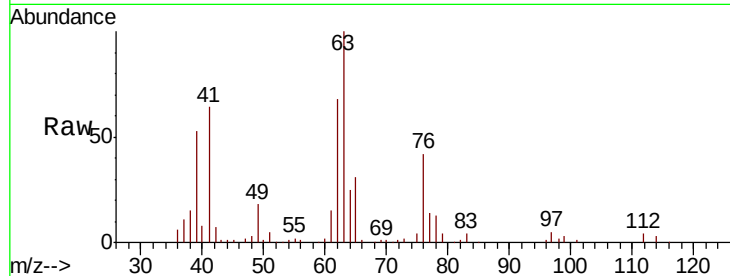
#45  
 1,2-Dichloropropane  
 Concen: 18.906 ug/l  
 RT: 9.11 min Scan# 2282  
 Delta R.T. 0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0910WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.0  | 24.8  | 37.2  |

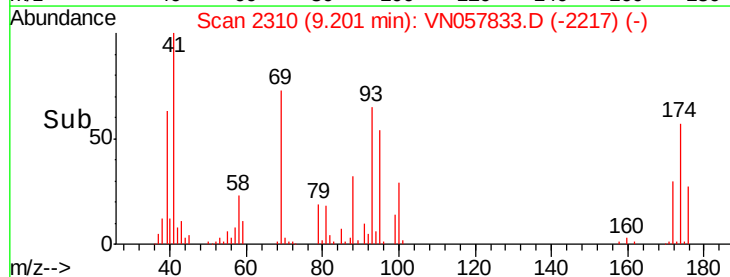
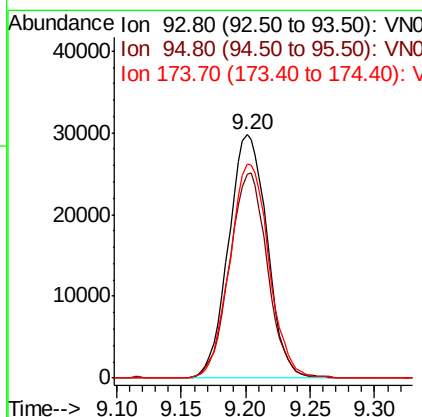
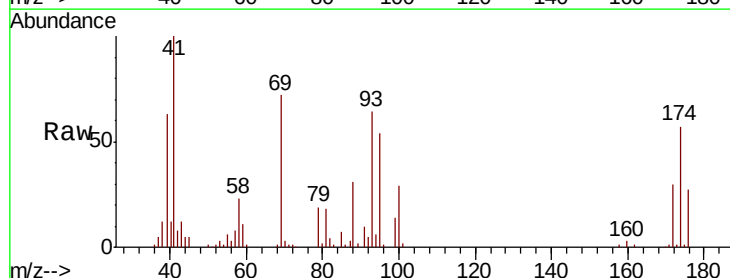
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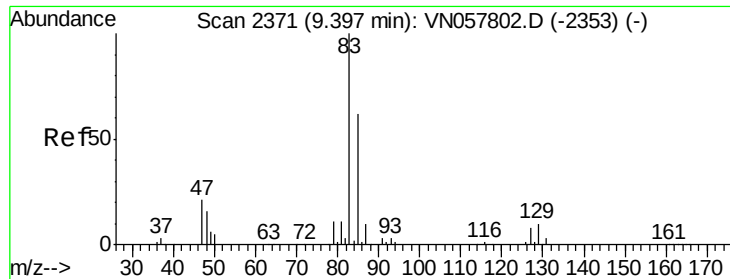
MMDadoda  
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#46  
 Dibromomethane  
 Concen: 19.178 ug/l  
 RT: 9.20 min Scan# 2310  
 Delta R.T. 0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.9  | 65.9  | 98.9  |
| 174     | 89.3  | 71.8  | 107.6 |





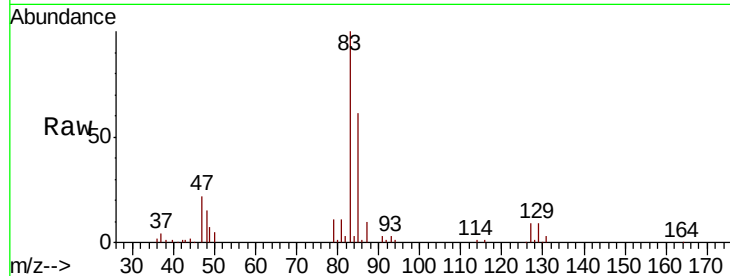
#47  
 Bromodichloromethane  
 Concen: 18.477 ug/l  
 RT: 9.40 min Scan# 2371  
 Delta R.T. 0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0910WBSD02

| Tot Ion   | 83   | Resp  | 119129 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 61.1 | 49.9  | 74.9   |
| 127       | 8.7  | 6.5   | 9.7    |

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 9/13/2019 5:16:25 AM

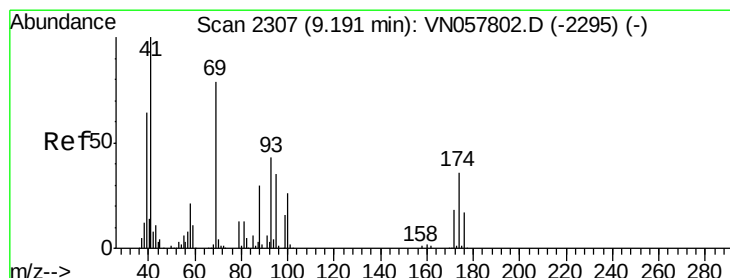
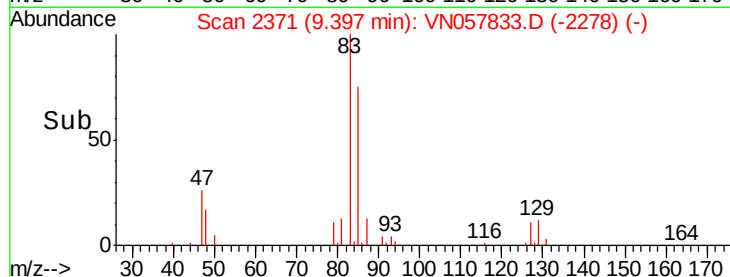
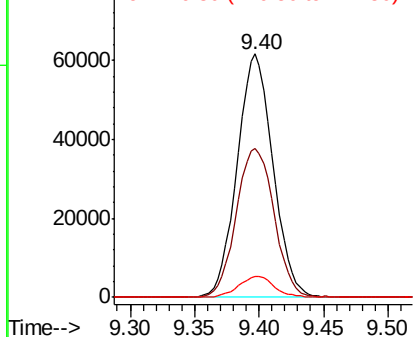


Abundance

Ion 82.90 (82.60 to 83.60): VN0

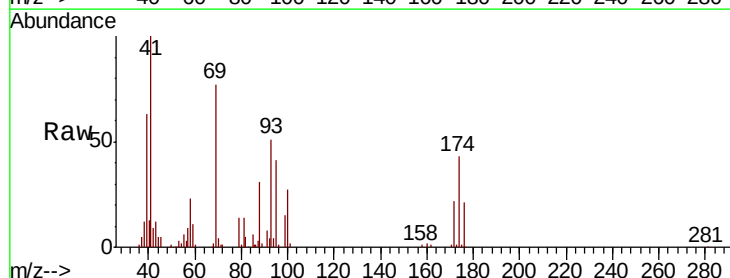
Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48  
 Methyl methacrylate  
 Concen: 18.442 ug/l  
 RT: 9.19 min Scan# 2308  
 Delta R.T. 0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

| Tgt Ion   | 41   | Resp  | 99138 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 69        | 77.7 | 62.7  | 94.1  |
| 39        | 65.4 | 52.7  | 79.1  |

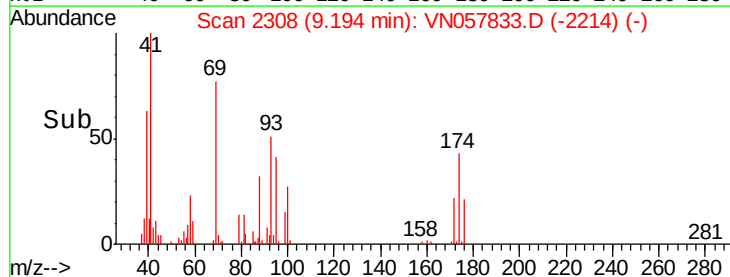
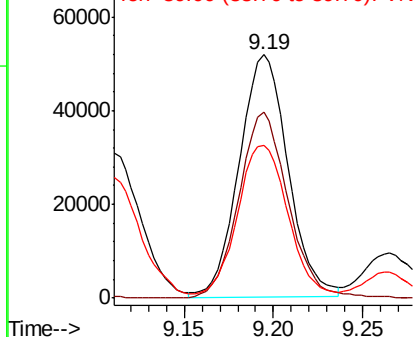


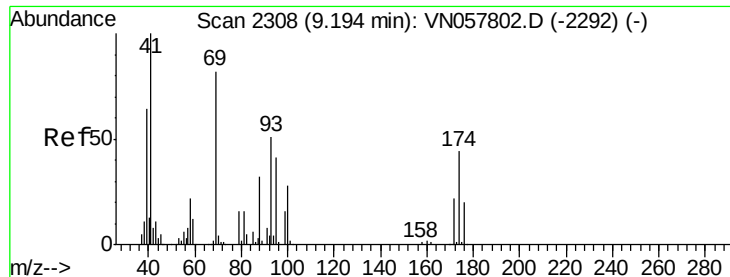
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





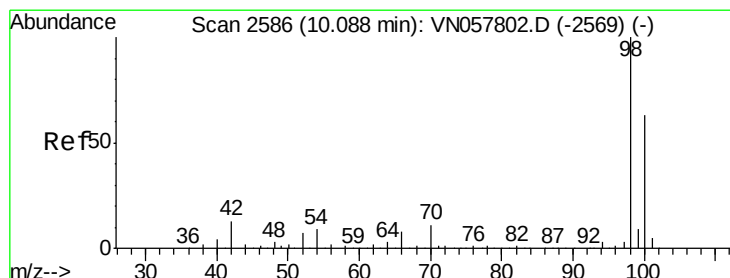
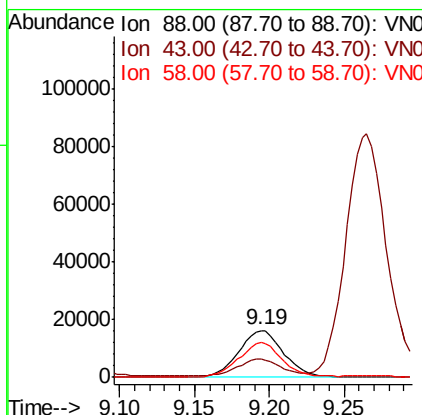
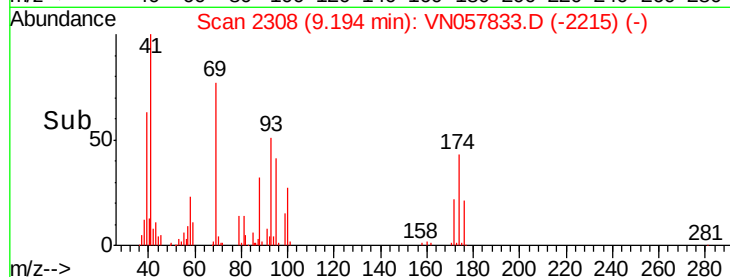
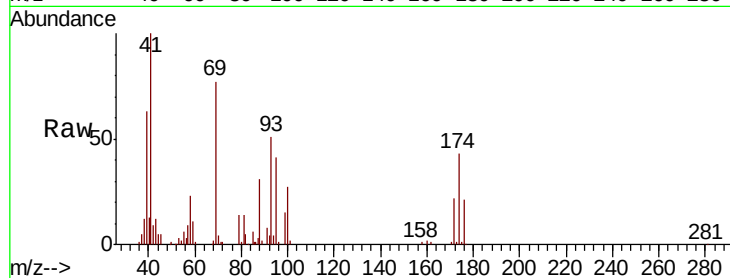
#49  
 1,4-Dioxane  
 Concen: 375.161 ug/l  
 RT: 9.19 min Scan# 2308  
 Delta R.T. 0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0910WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 35.1  | 28.5  | 42.7  |
| 58      | 71.9  | 55.8  | 83.6  |

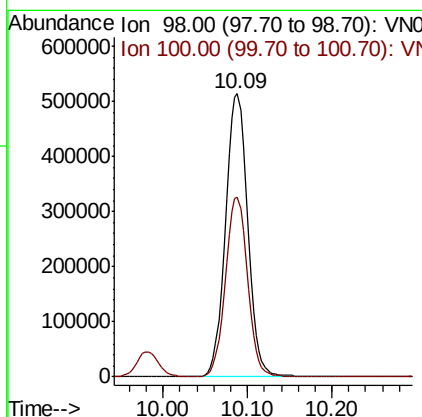
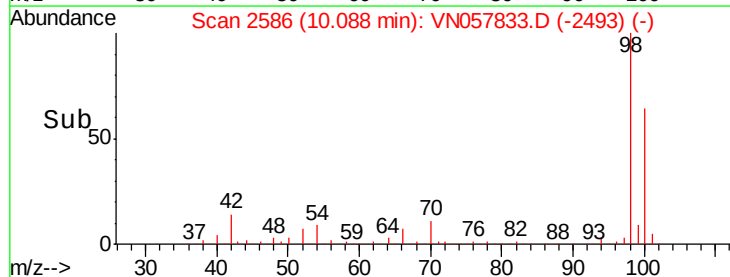
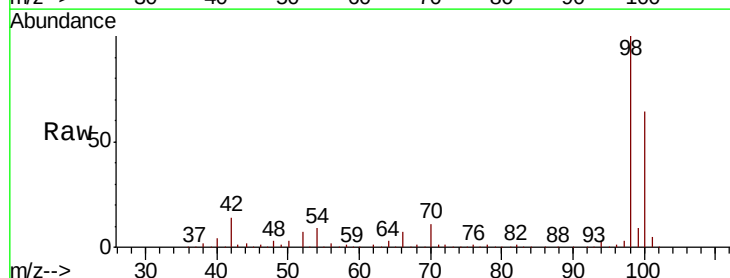
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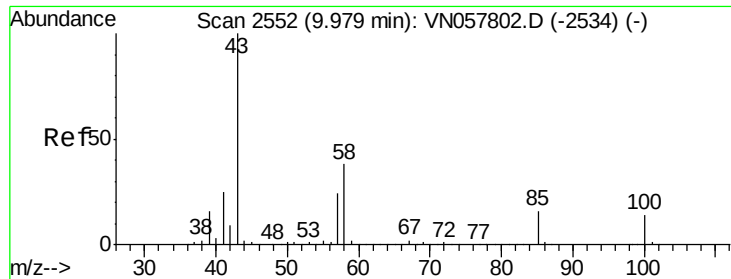
MMDadoda  
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#50  
 Toluene-d8  
 Concen: 49.879 ug/l  
 RT: 10.09 min Scan# 2586  
 Delta R.T. 0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.4  | 50.3  | 75.5  |





#51

4-Methyl-2-Pentanone

Concen: 100.568 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0910WBSD02

Tot Ion: 43 Resp: 630663

Ion Ratio Lower Upper

43 100

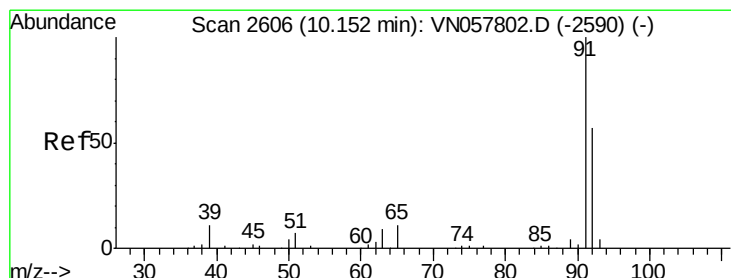
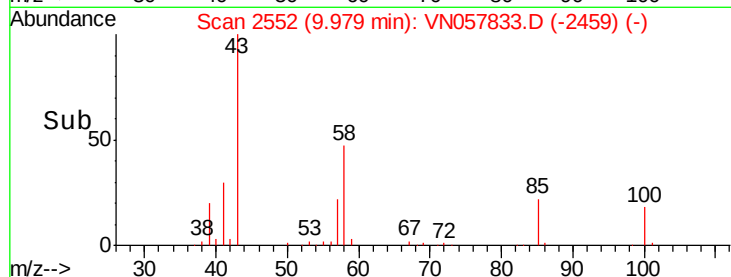
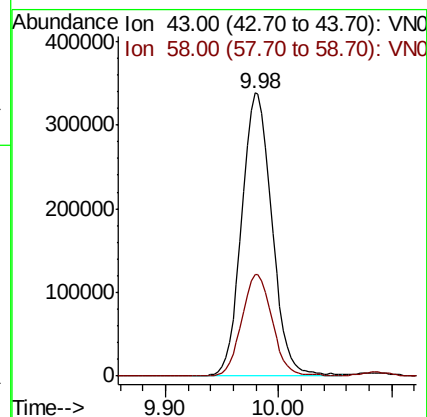
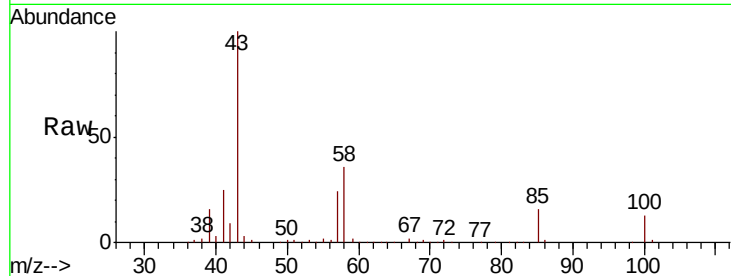
58 36.2 29.8 44.6

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#52

Toluene

Concen: 18.865 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057833.D

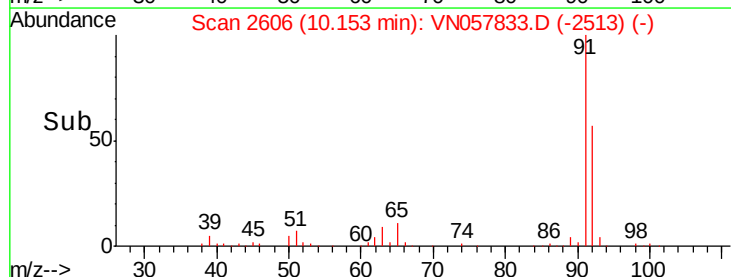
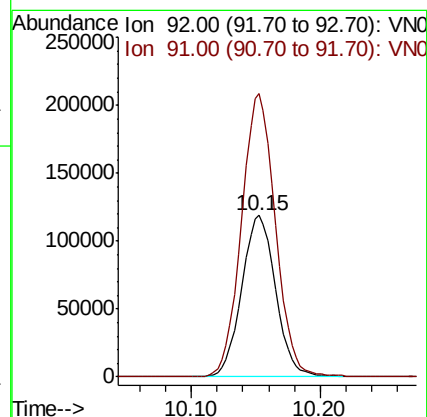
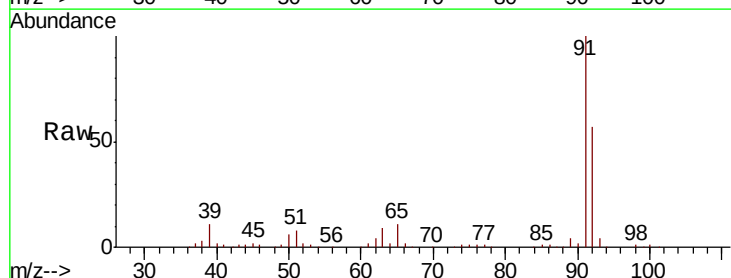
Acq: 10 Sep 2019 4:18

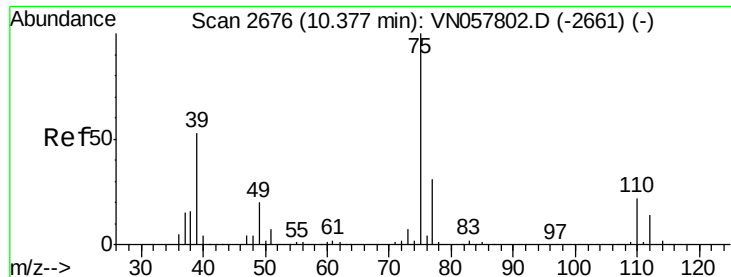
Tgt Ion: 92 Resp: 218174

Ion Ratio Lower Upper

92 100

91 174.9 141.0 211.6





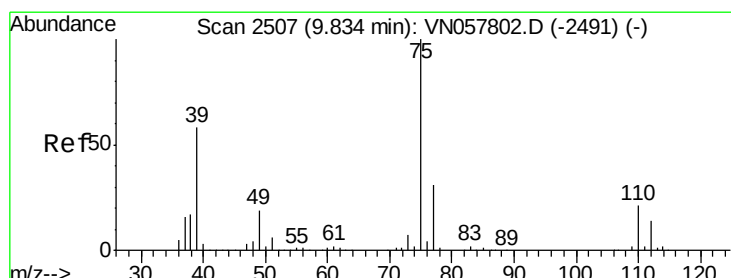
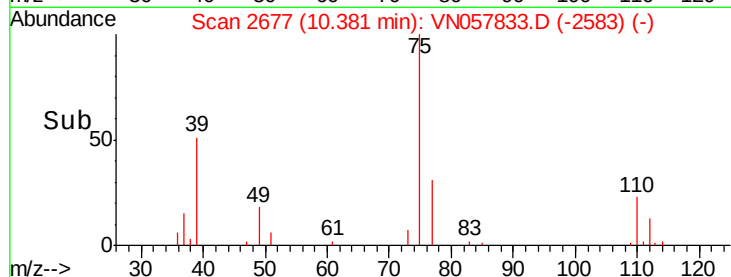
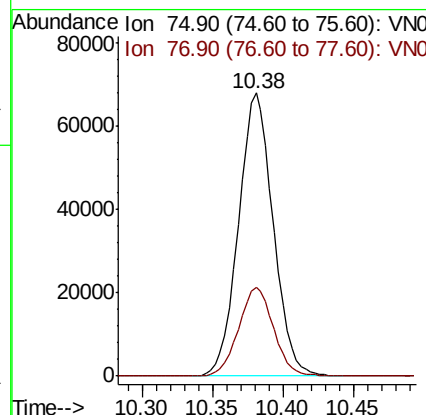
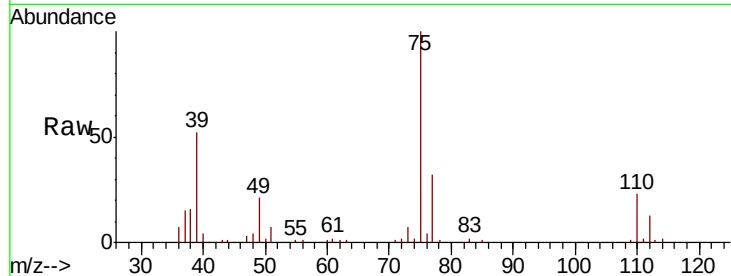
#53  
t-1,3-Dichloropropene  
Concen: 17.267 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBSD02

Tot Ion: 75 Resp: 117233  
Ion Ratio Lower Upper  
75 100  
77 31.5 24.5 36.7

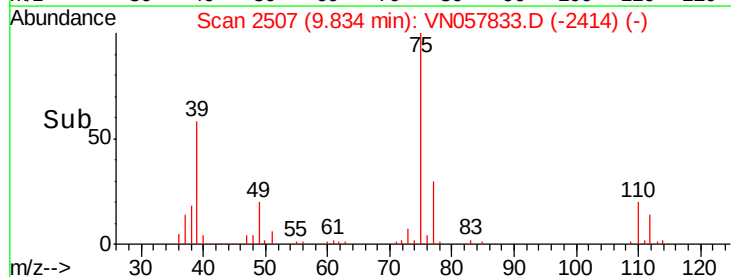
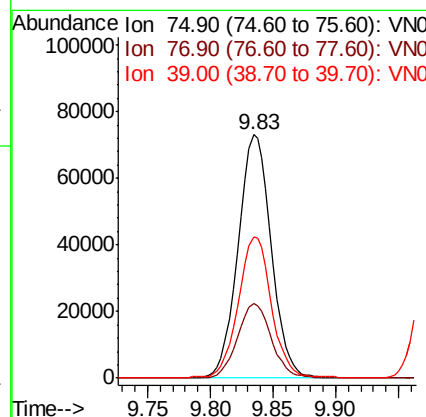
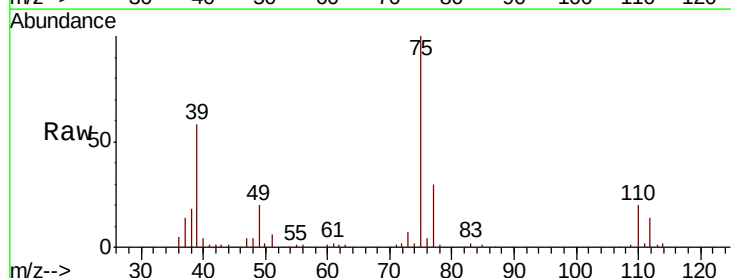
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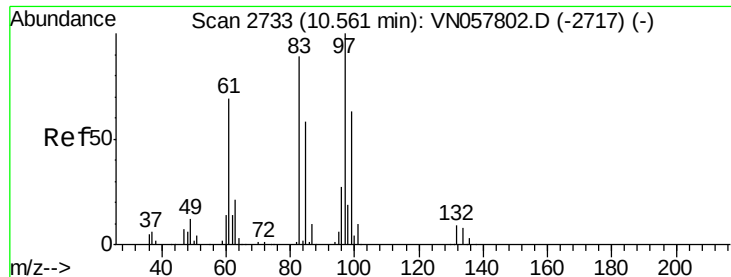


#54  
cis-1,3-Dichloropropene  
Concen: 17.914 ug/l  
RT: 9.83 min Scan# 2507  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Tgt Ion: 75 Resp: 134286  
Ion Ratio Lower Upper  
75 100  
77 30.4 24.8 37.2  
39 57.4 46.2 69.4







#55

1,1,2-Trichloroethane

Concen: 18.955 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA\_N

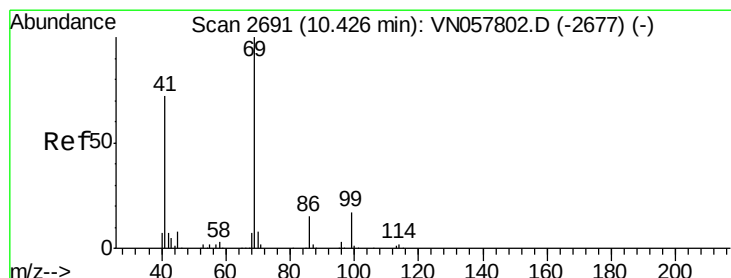
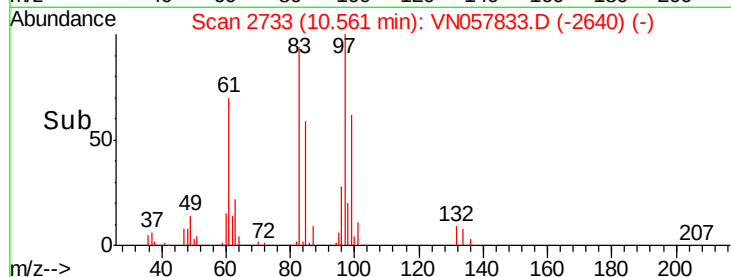
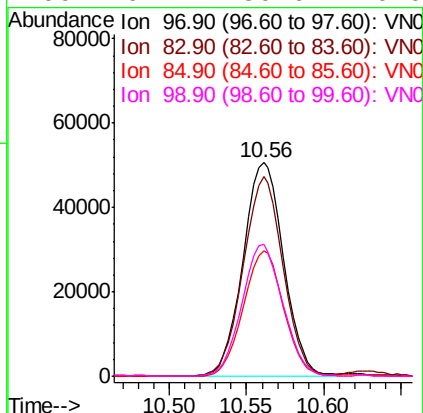
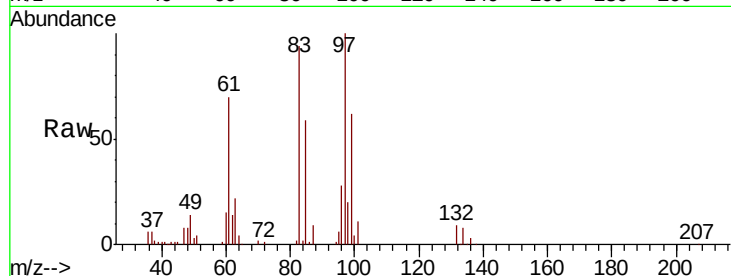
ClientSampleId :

VN0910WBSD02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 92858 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 93.6  | 70.8  | 106.2 |
| 85       | 58.7  | 46.0  | 69.0  |
| 99       | 61.7  | 50.6  | 76.0  |

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#56

Ethyl methacrylate

Concen: 18.573 ug/l

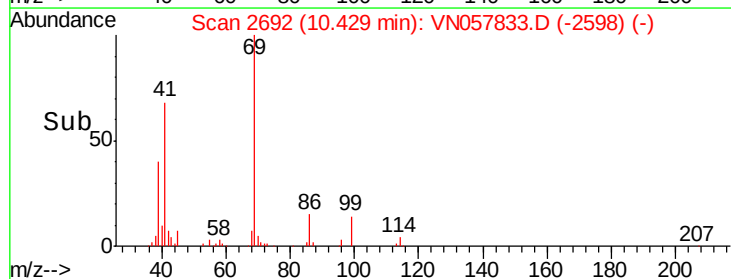
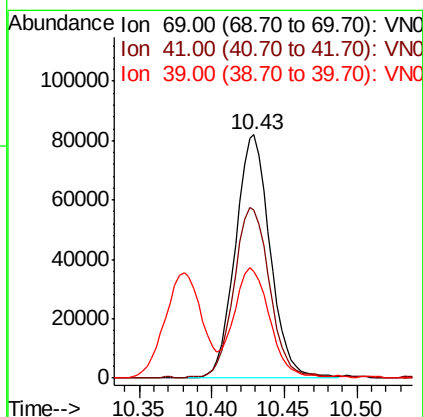
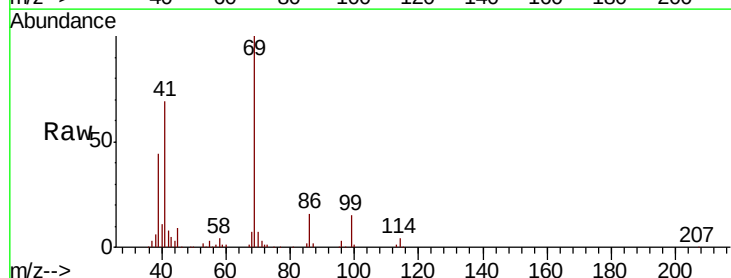
RT: 10.43 min Scan# 2692

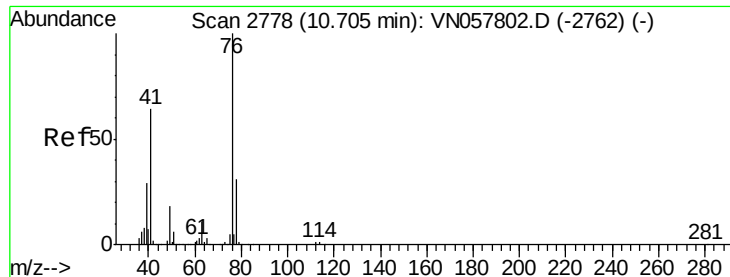
Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 137020 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 71.2  | 56.7  | 85.1   |
| 39       | 46.1  | 36.3  | 54.5   |





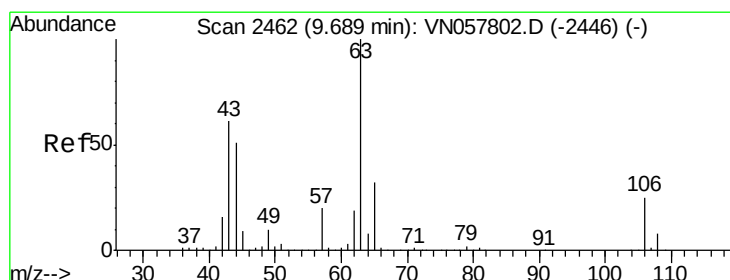
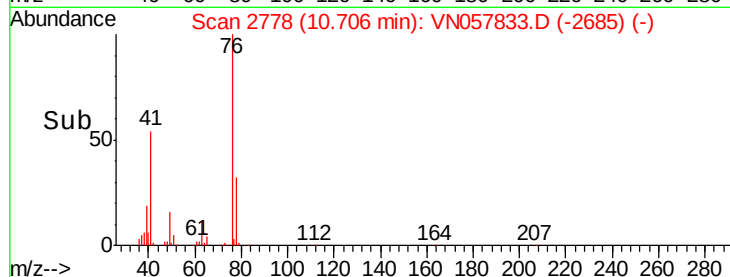
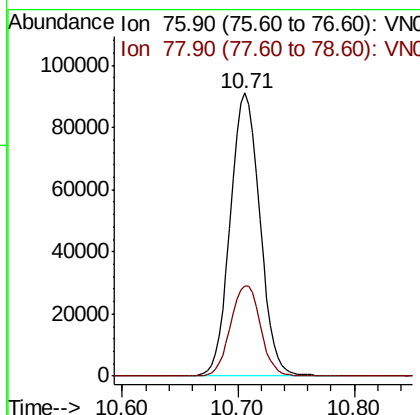
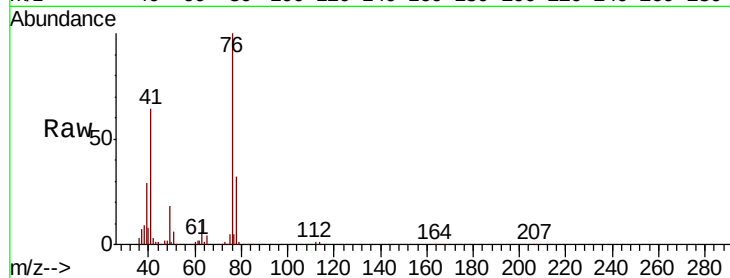
#57  
 1,3-Dichloropropane  
 Concen: 19.127 ug/l  
 RT: 10.71 min Scan# 2778  
 Delta R.T. 0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0910WBSD02

Tot Ion: 76 Resp: 161484  
 Ion Ratio Lower Upper  
 76 100  
 78 32.3 25.4 38.2

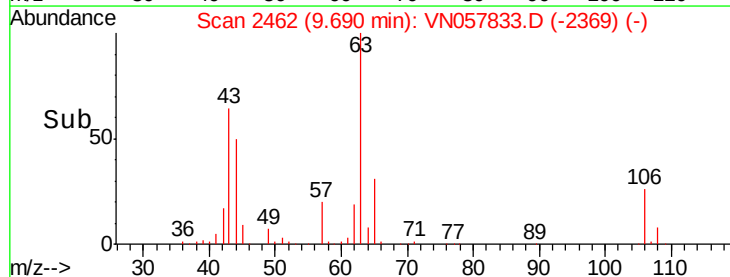
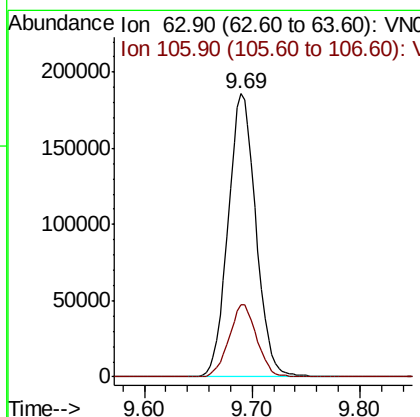
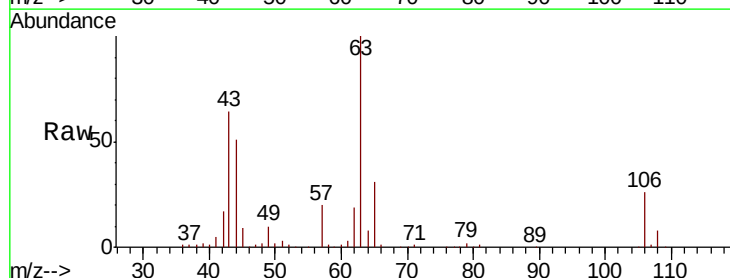
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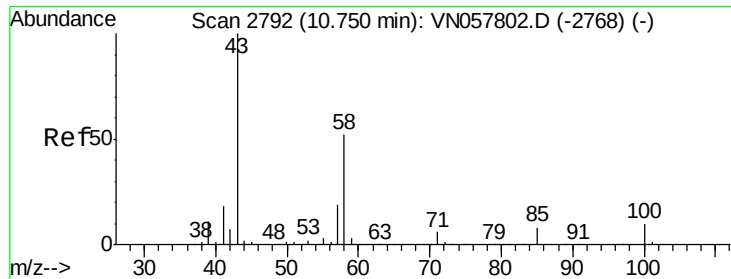
MMDadoda  
 9/13/2019 5:16:25 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 96.295 ug/l  
 RT: 9.69 min Scan# 2462  
 Delta R.T. 0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

Tgt Ion: 63 Resp: 334590  
 Ion Ratio Lower Upper  
 63 100  
 106 25.3 20.0 30.0





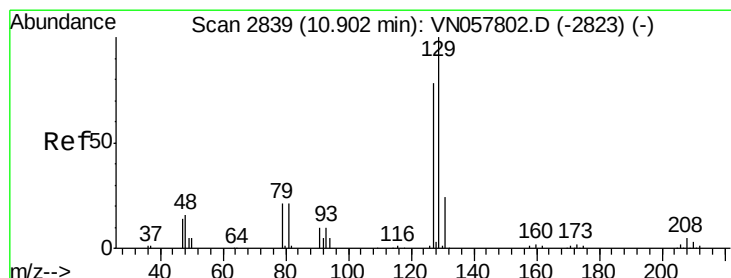
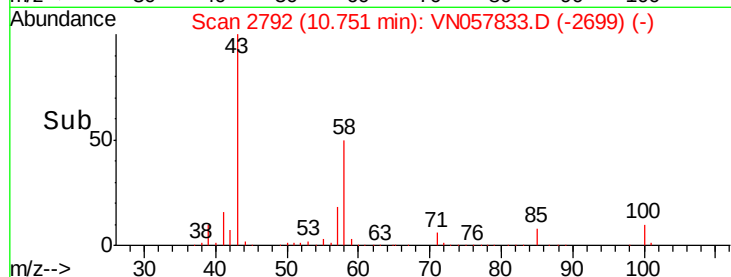
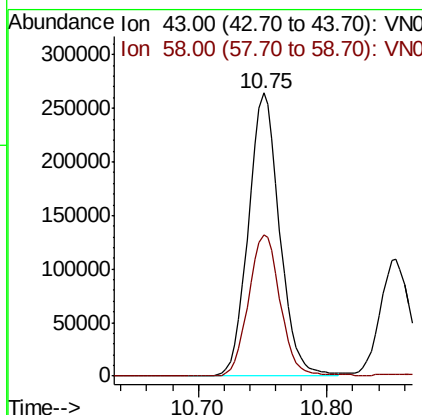
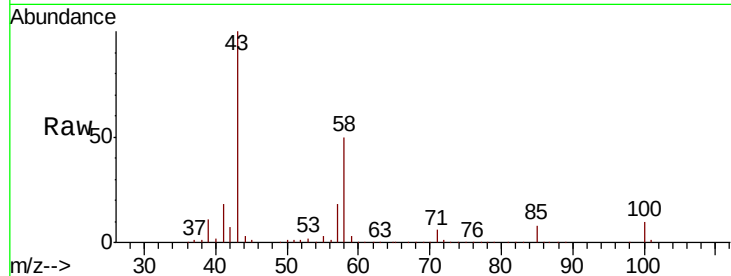
#59  
2-Hexanone  
Concen: 94.602 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBSD02

Tot Ion: 43 Resp: 444663  
Ion Ratio Lower Upper  
43 100  
58 51.2 25.6 76.8

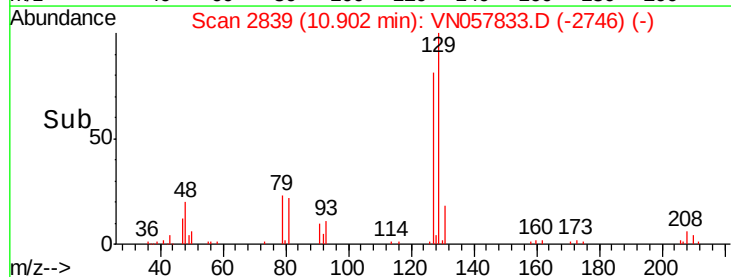
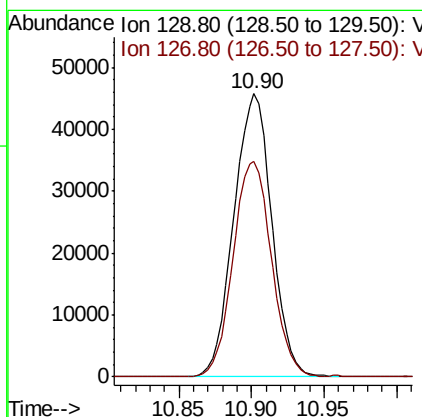
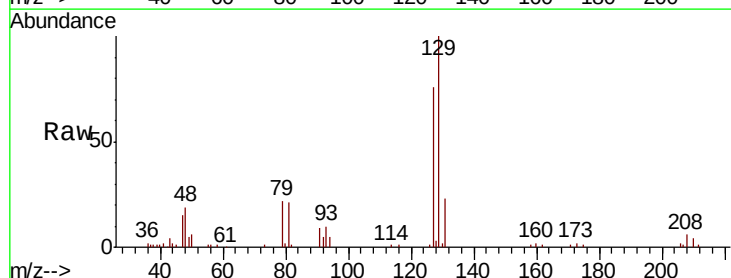
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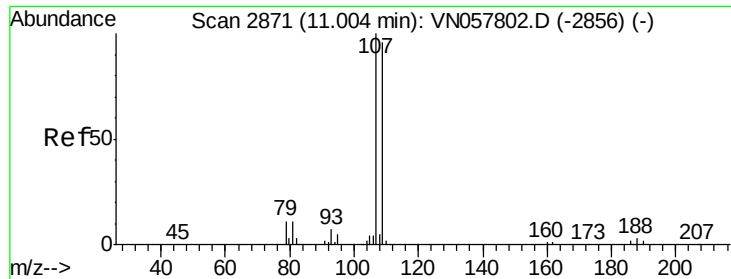
MMDadoda  
9/13/2019 5:16:25 AM



#60  
Dibromochloromethane  
Concen: 18.362 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Tgt Ion: 129 Resp: 83531  
Ion Ratio Lower Upper  
129 100  
127 76.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 18.858 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0910WBSD02

Tot Ion: 107 Resp: 87341

Ion Ratio Lower Upper

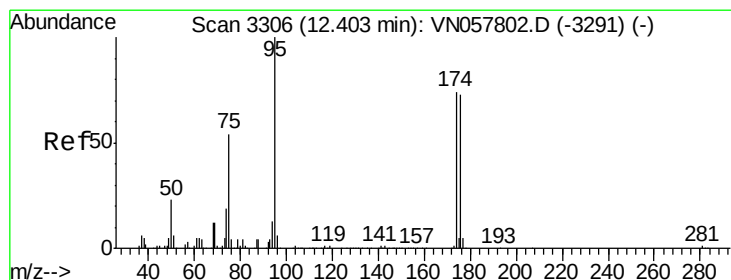
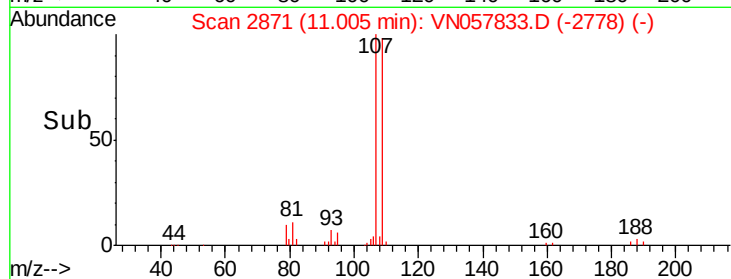
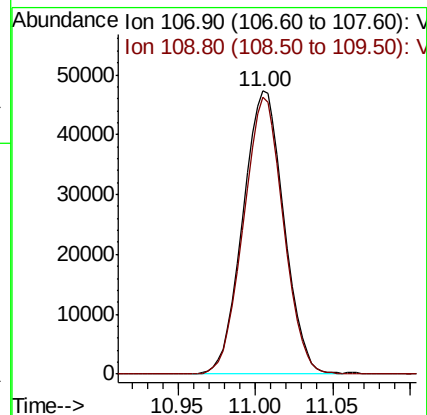
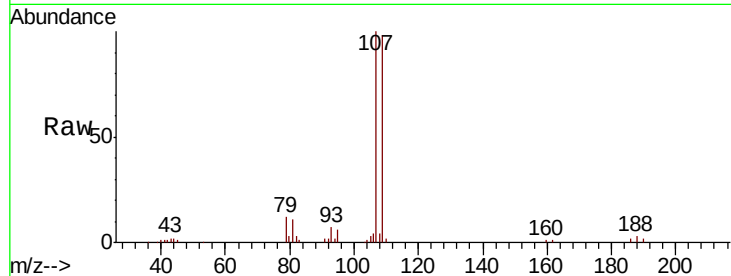
107 100

109 95.2 75.3 112.9

Manual Integrations  
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MMDadoda

9/13/2019 5:16:25 AM



#62

4-Bromofluorobenzene

Concen: 44.450 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

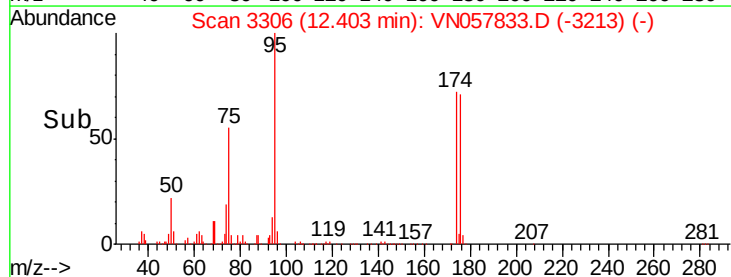
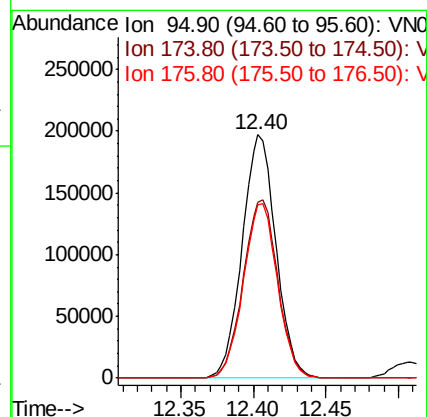
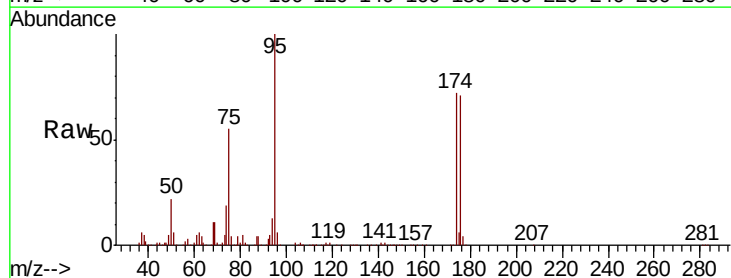
Tgt Ion: 95 Resp: 319228

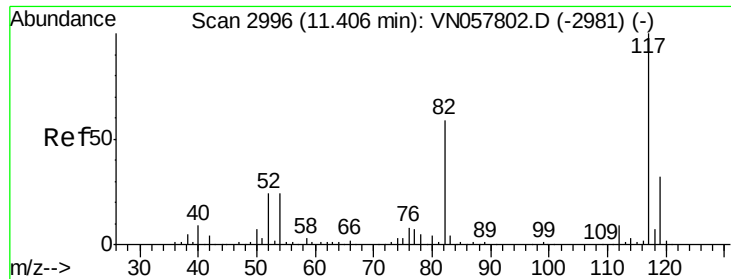
Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.2

176 72.6 0.0 146.0





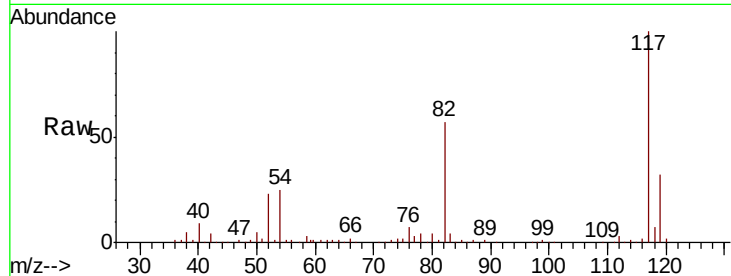
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 57.0  | 47.2  | 70.8  |
| 119     | 31.7  | 25.3  | 37.9  |

Manual Integrations  
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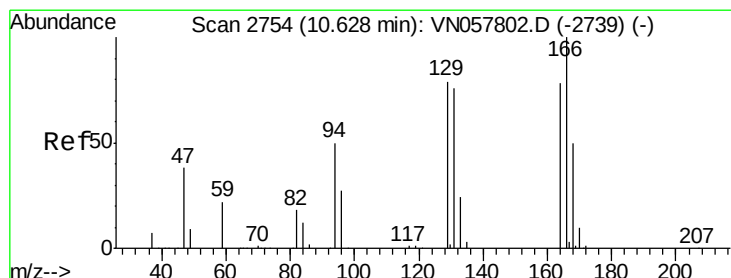
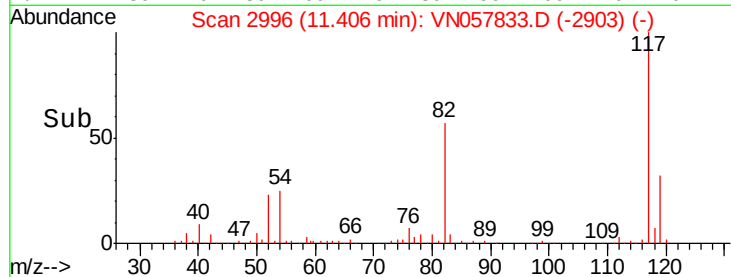
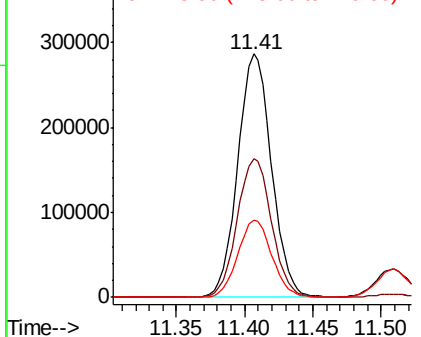


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64  
Tetrachloroethene  
Concen: 18.998 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 125.5 | 102.2 | 153.2 |
| 129     | 100.3 | 80.8  | 121.2 |
| 131     | 99.8  | 77.4  | 116.2 |

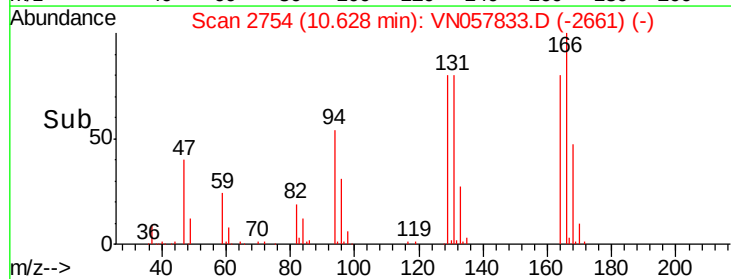
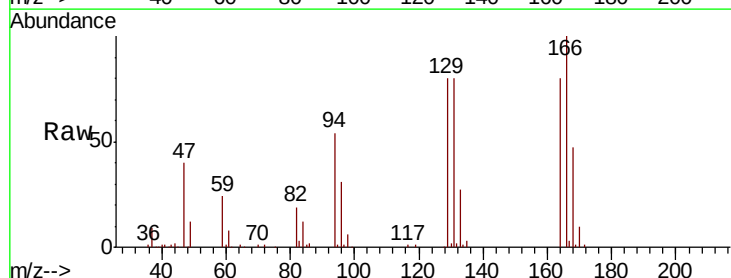
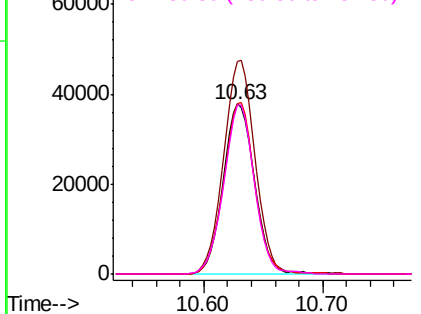
Abundance

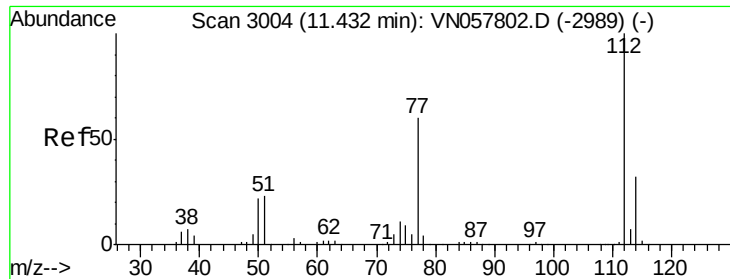
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





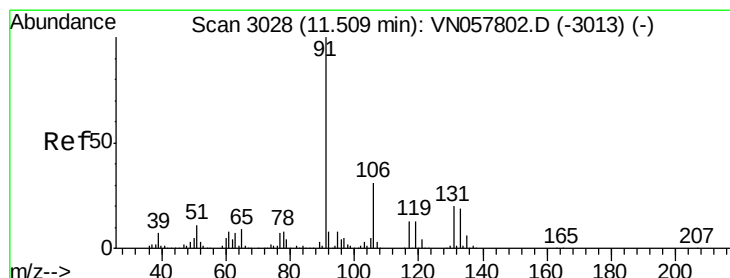
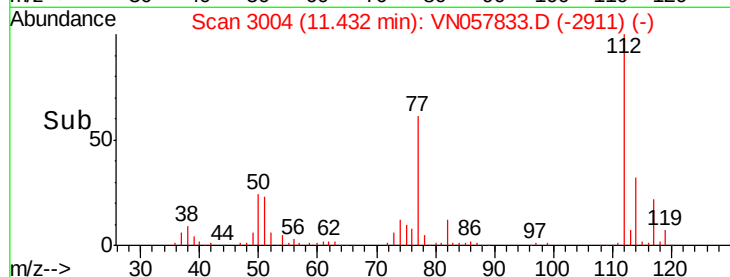
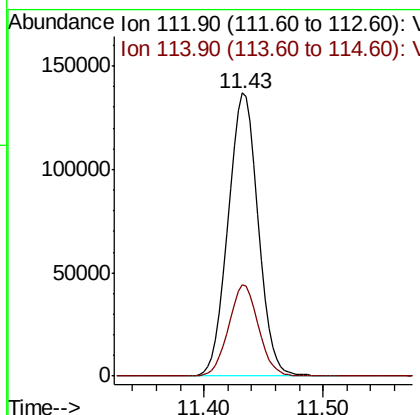
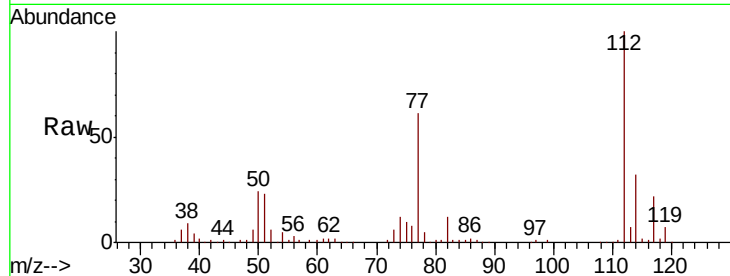
#65  
Chlorobenzene  
Concen: 18.576 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBSD02

Tot Ion:112 Resp: 239729  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.2 37.8

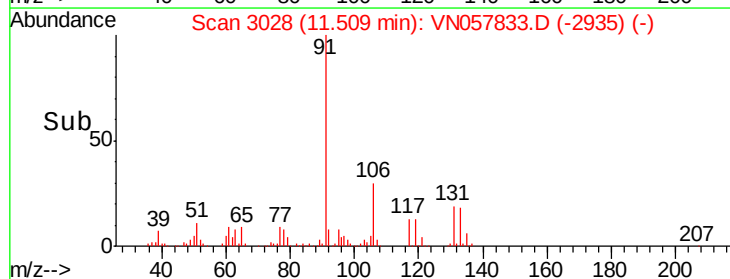
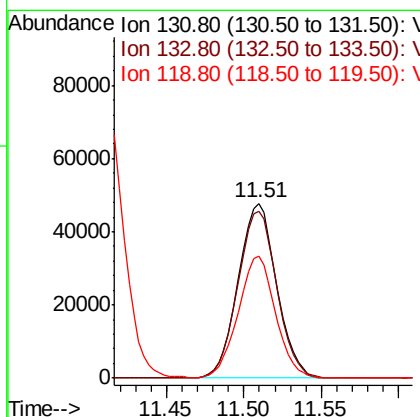
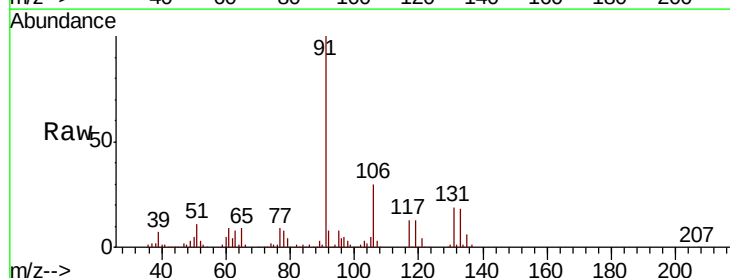
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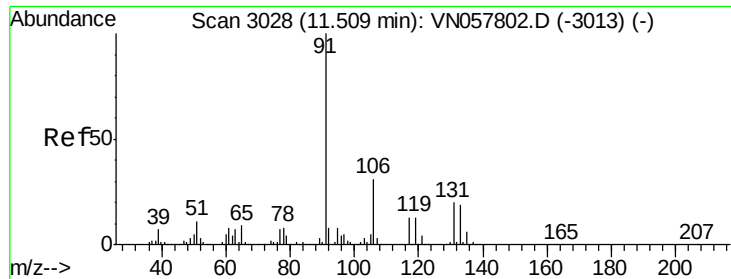
MMDadoda  
9/13/2019 5:16:25 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.409 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Tgt Ion:131 Resp: 82437  
Ion Ratio Lower Upper  
131 100  
133 97.1 47.1 141.3  
119 67.9 33.3 99.8





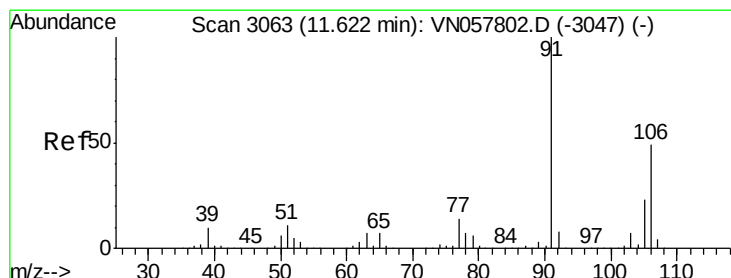
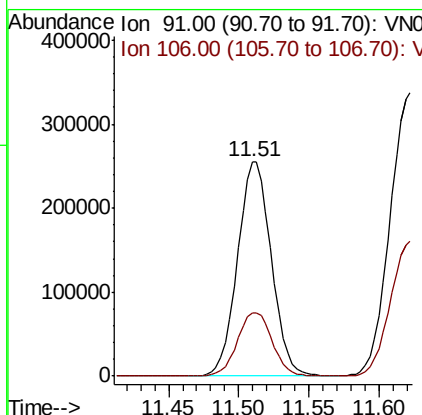
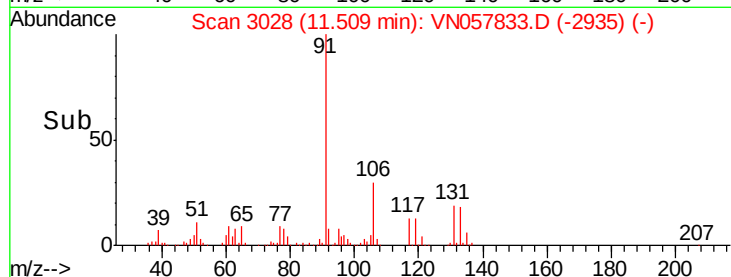
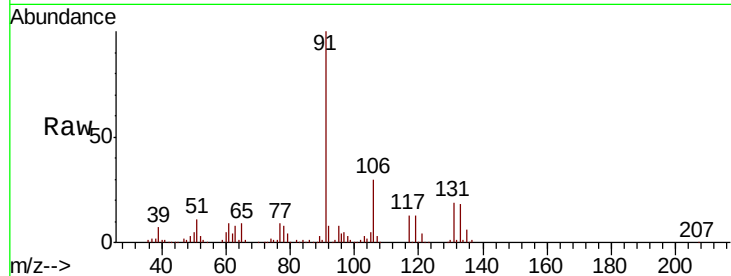
#67  
Ethyl Benzene  
Concen: 18.980 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBSD02

Tot Ion: 91 Resp: 429262  
Ion Ratio Lower Upper  
91 100  
106 29.5 24.4 36.6

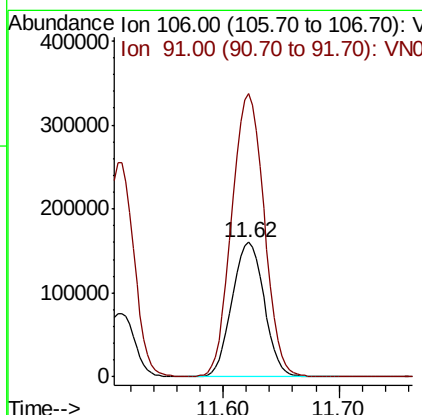
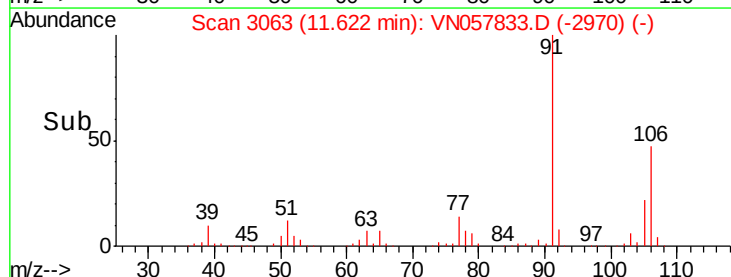
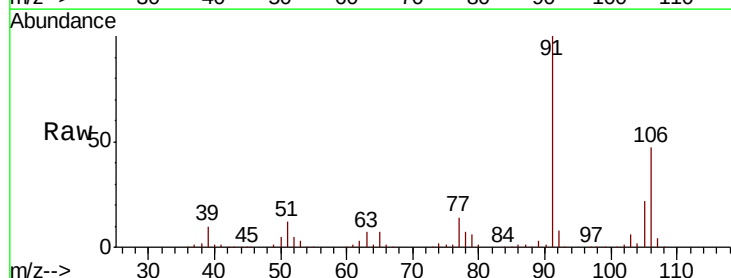
Manual Integrations  
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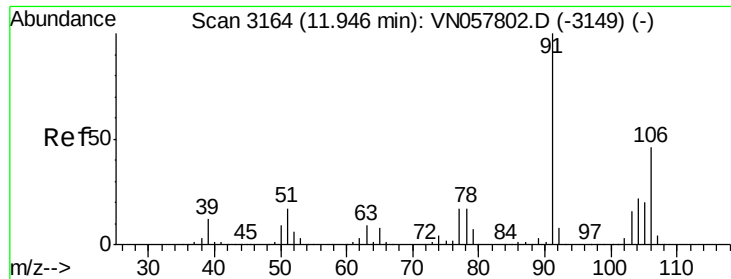
MMDadoda  
9/13/2019 5:16:25 AM



#68  
m/p-Xylenes  
Concen: 37.302 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Tgt Ion: 106 Resp: 309031  
Ion Ratio Lower Upper  
106 100  
91 210.7 165.8 248.6





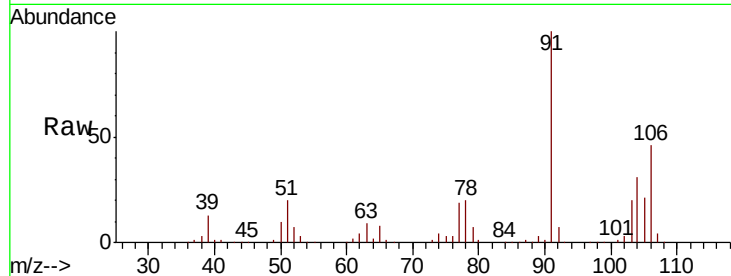
#69  
o-Xylene  
Concen: 18.819 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBSD02

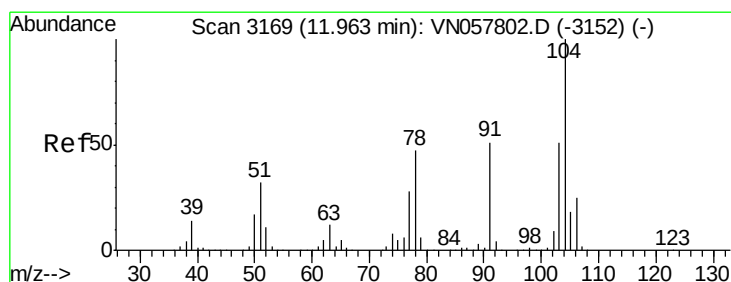
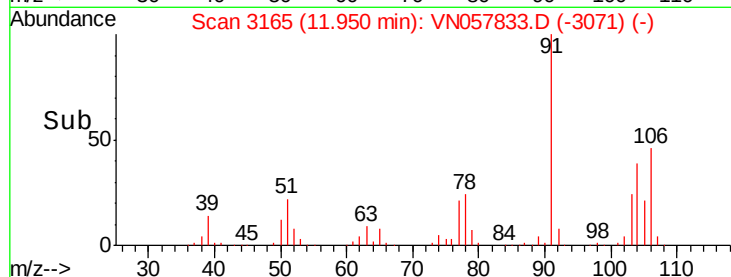
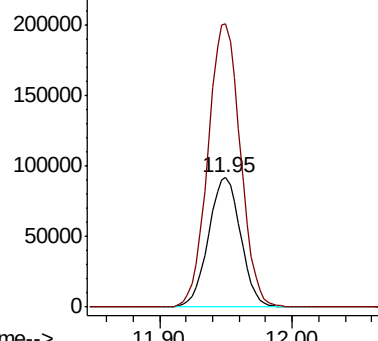
Tot Ion:106 Resp: 154999  
Ion Ratio Lower Upper  
106 100  
91 220.4 108.7 326.1

Manual Integrations  
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MMDadoda  
9/13/2019 5:16:25 AM

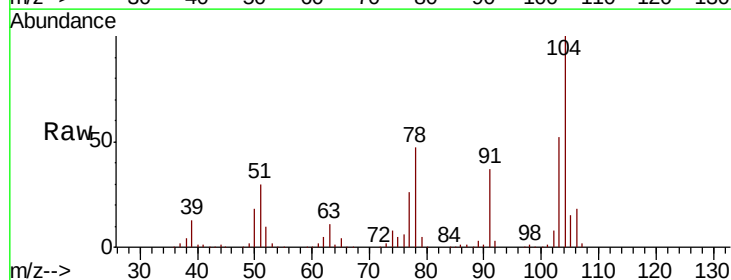


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V

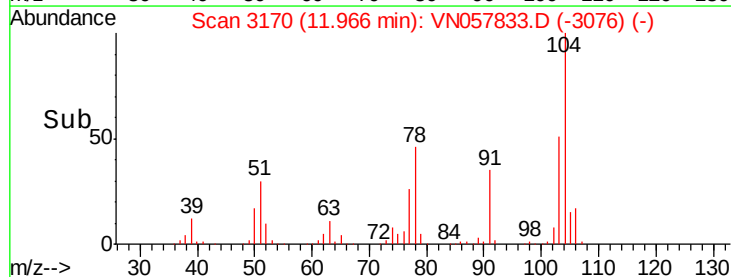
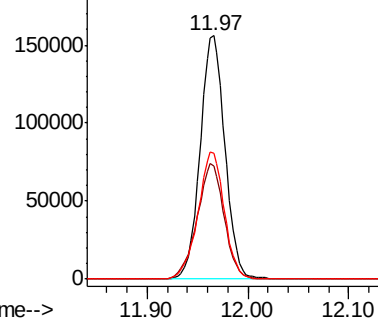


#70  
Styrene  
Concen: 18.923 ug/l  
RT: 11.97 min Scan# 3170  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

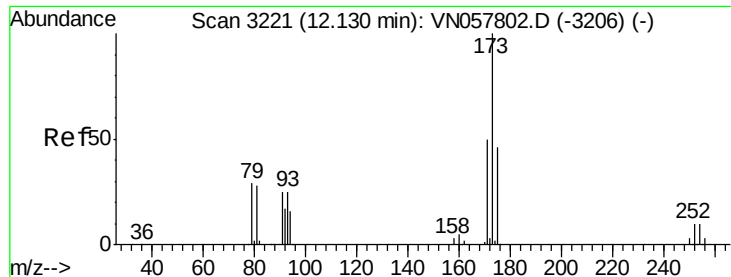
Tgt Ion:104 Resp: 268222  
Ion Ratio Lower Upper  
104 100  
78 51.7 41.3 61.9  
103 55.3 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): V  
Ion 103.00 (102.70 to 103.70): V







#71

Bromoform

Concen: 17.159 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0910WBSD02

Tot Ion:173 Resp: 47905

Ion Ratio Lower Upper

173 100

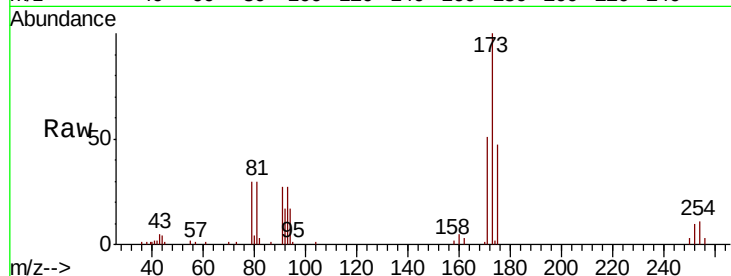
175 48.5 23.5 70.6

254 0.0 0.1 0.1#

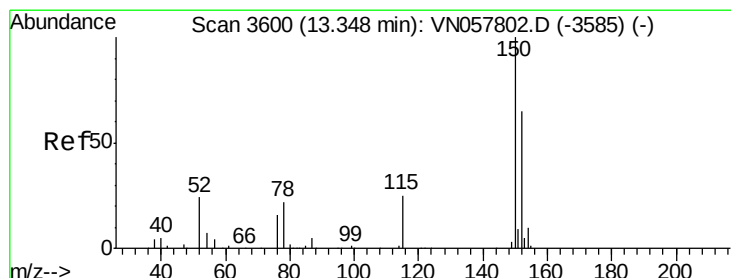
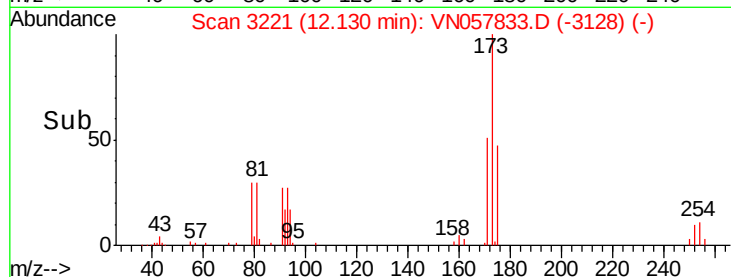
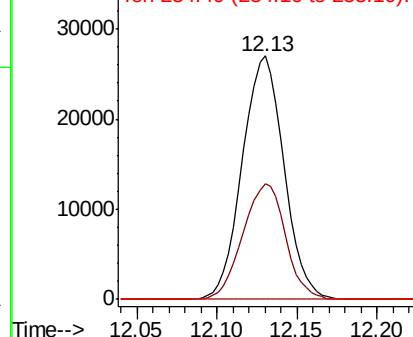
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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

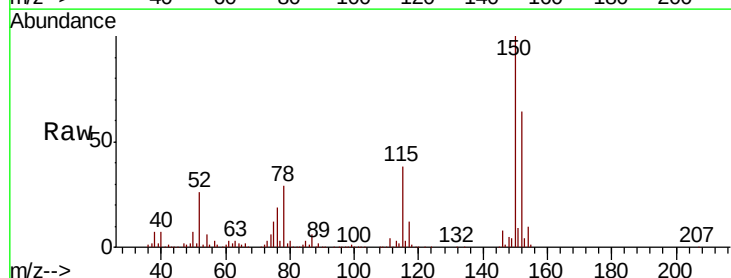
Tgt Ion:152 Resp: 280256

Ion Ratio Lower Upper

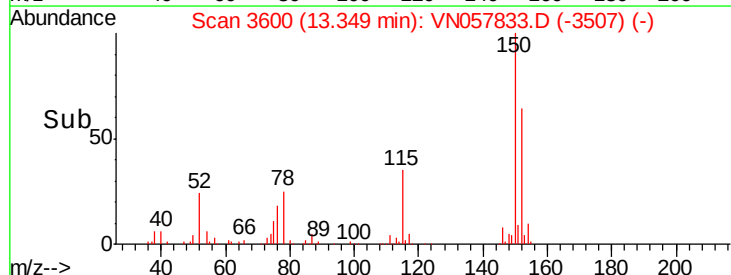
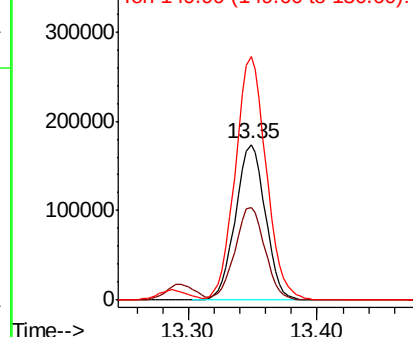
152 100

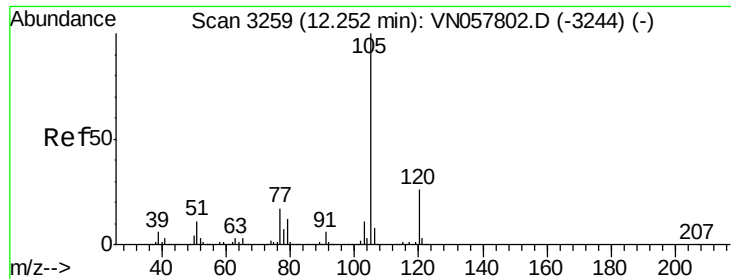
115 59.7 30.3 91.0

150 161.9 0.0 352.4



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





#73

Isopropylbenzene

Concen: 19.944 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0910WBSD02

Tot Ion:105 Resp: 433716

Ion Ratio Lower Upper

105 100

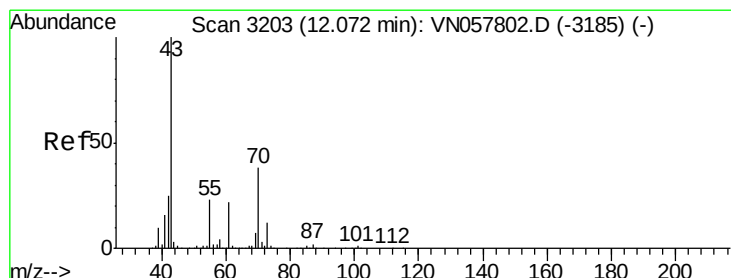
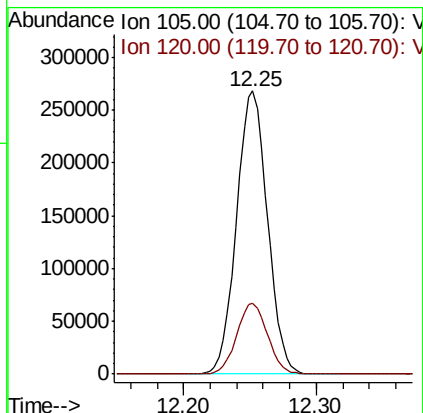
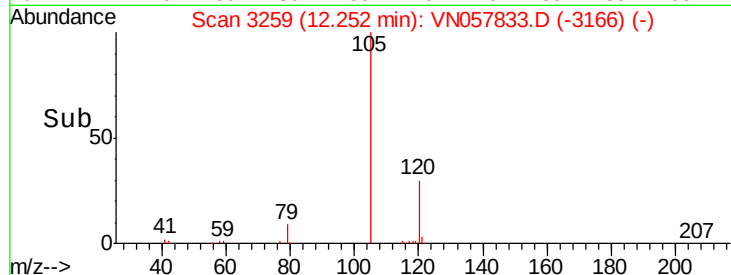
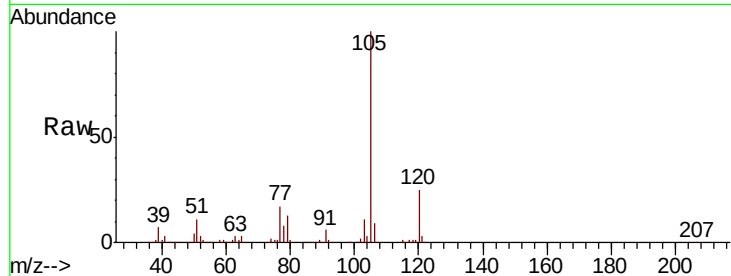
120 25.0 12.8 38.4

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#74

N-ethyl acetate

Concen: 18.742 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Tgt Ion: 43 Resp: 177379

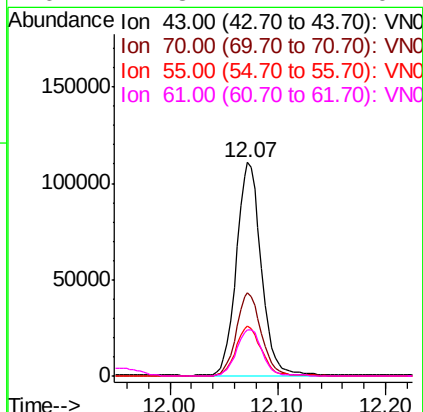
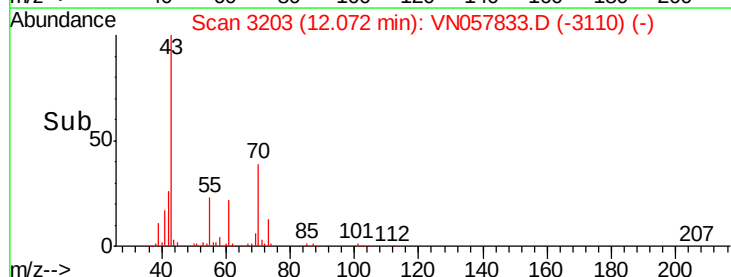
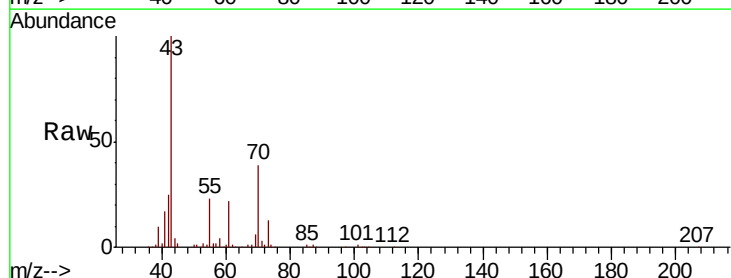
Ion Ratio Lower Upper

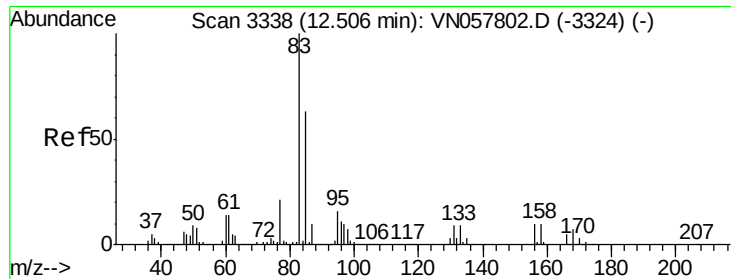
43 100

70 39.2 30.6 45.8

55 24.4 18.6 27.8

61 22.8 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.279 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA\_N

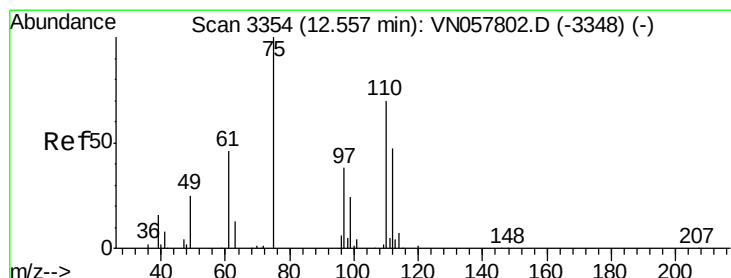
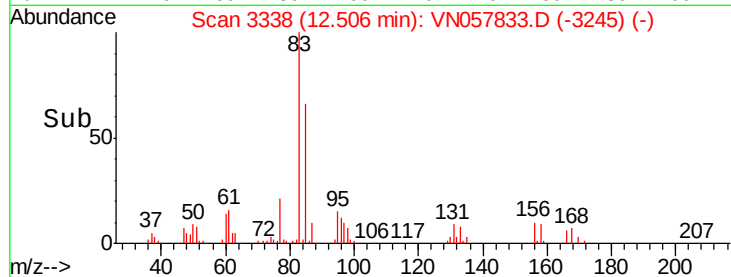
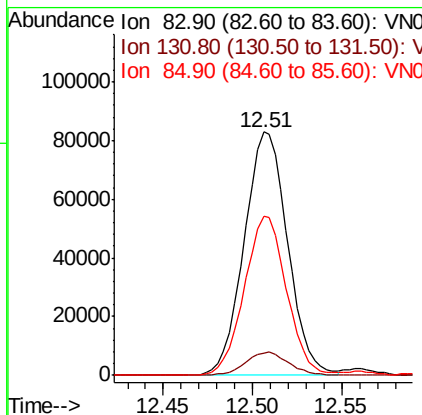
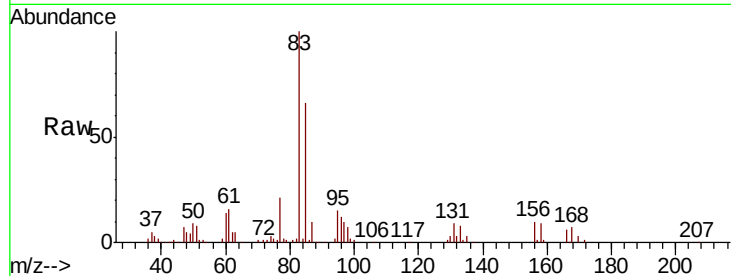
ClientSampleId :

VN0910WBSD02

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 83   | Resp: | 141162 |
| Ion Ratio |      | Lower | Upper  |
| 83        | 100  |       |        |
| 131       | 9.5  | 4.8   | 14.3   |
| 85        | 63.2 | 31.6  | 94.7   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 16.591 ug/l m

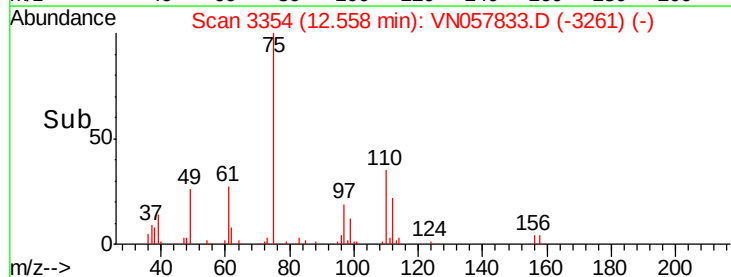
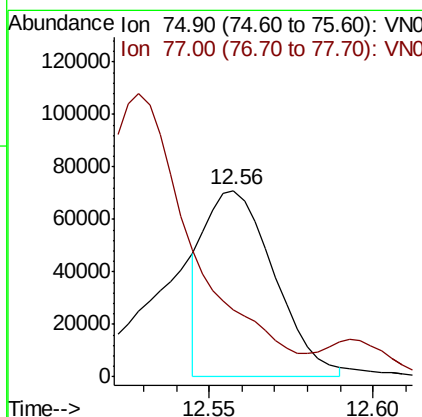
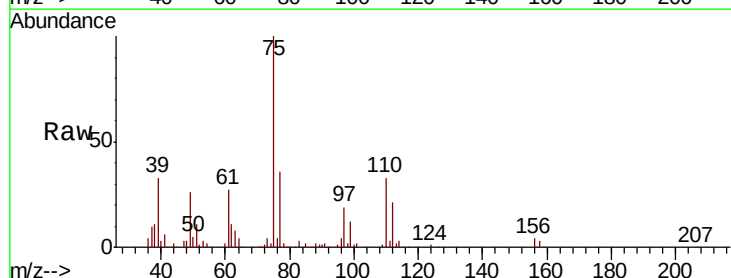
RT: 12.56 min Scan# 3354

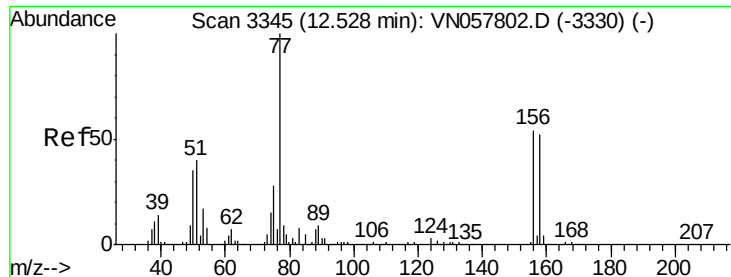
Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

|           |     |       |        |
|-----------|-----|-------|--------|
| Tgt Ion:  | 75  | Resp: | 105183 |
| Ion Ratio |     | Lower | Upper  |
| 75        | 100 |       |        |
| 77        | 0.0 | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 18.723 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA\_N

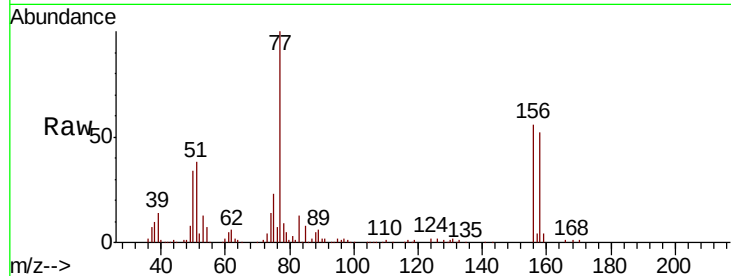
ClientSampleId :

VN0910WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 101514 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 219.7 | 113.7 | 341.1  |
| 158       | 94.8  | 48.5  | 145.6  |

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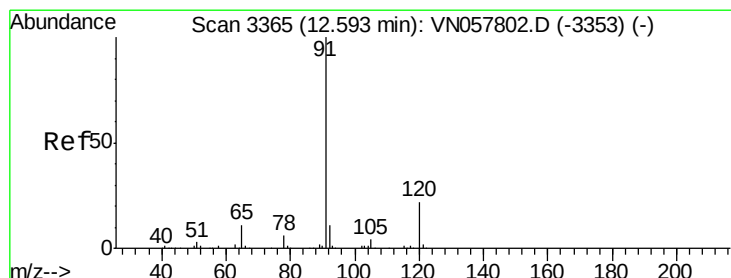
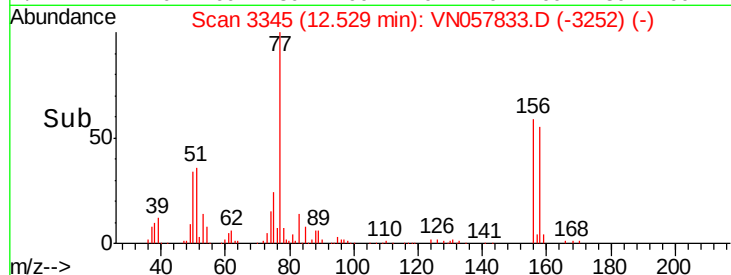
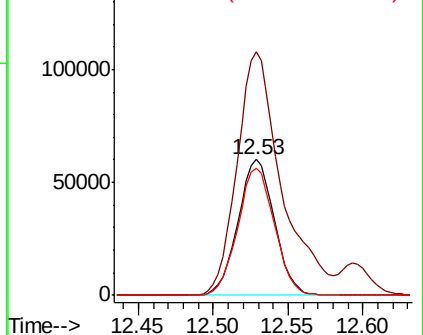
MMDadoda  
9/13/2019 5:16:25 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.807 ug/l

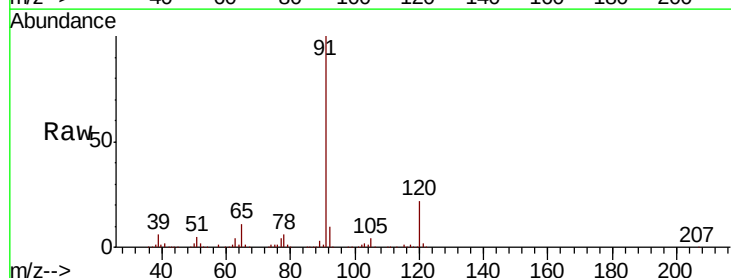
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057833.D

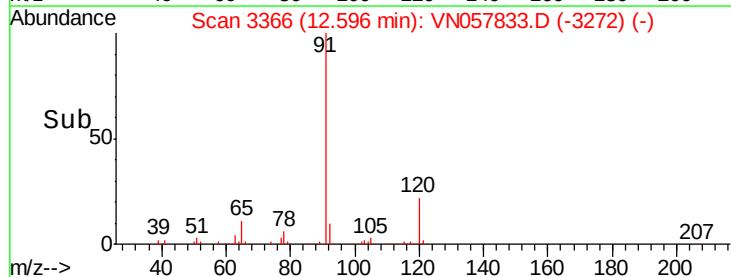
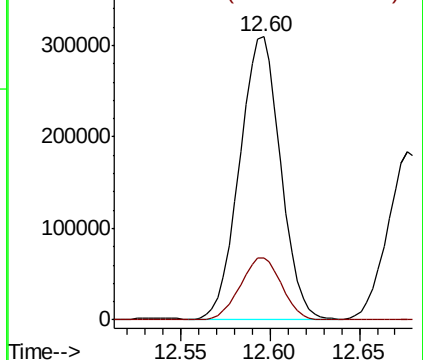
Acq: 10 Sep 2019 4:18

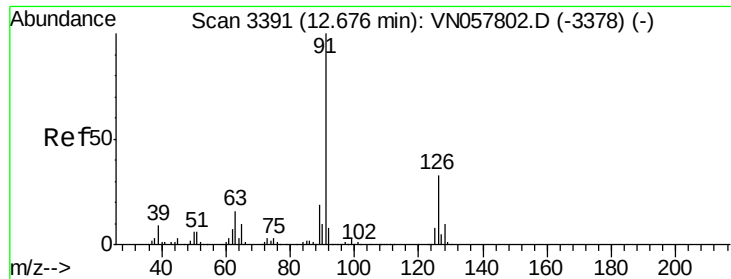
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 494625 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.3  | 11.1  | 33.1   |



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





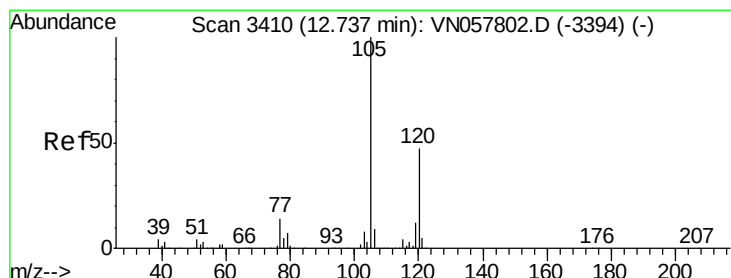
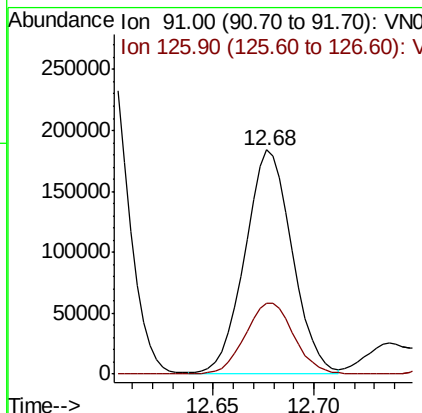
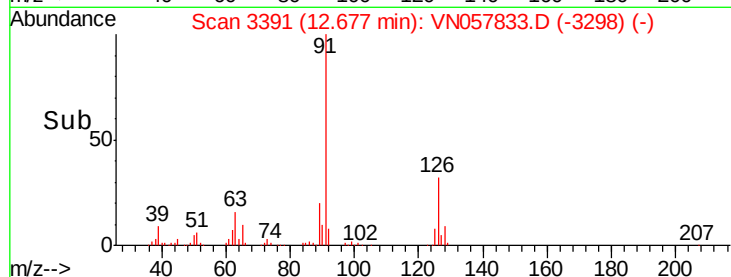
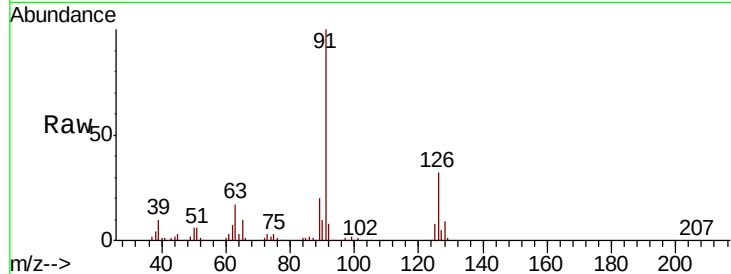
#79  
 2-Chlorotoluene  
 Concen: 18.911 ug/l  
 RT: 12.68 min Scan# 3391  
 Delta R.T. 0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0910WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 298475 |       |       |
| 126     | 32.9  | 16.4   | 49.2  |       |

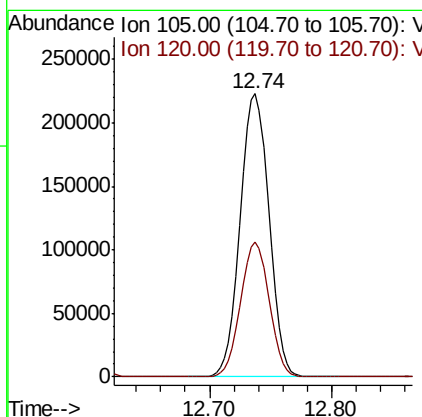
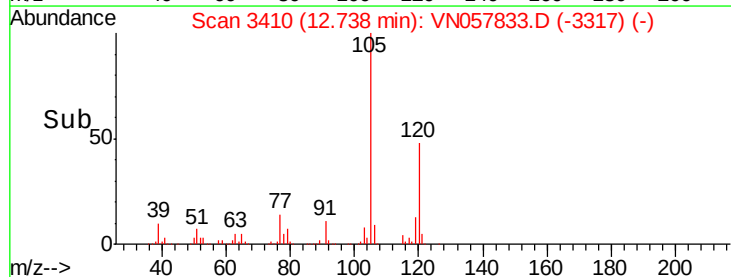
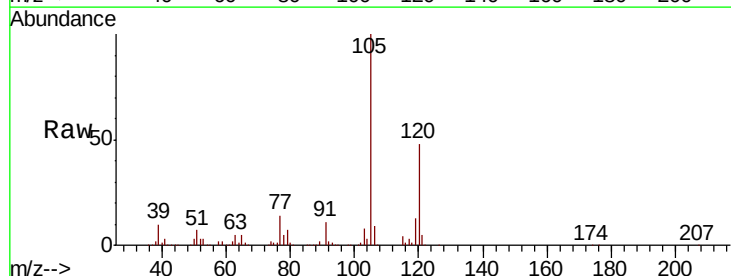
Manual Integrations  
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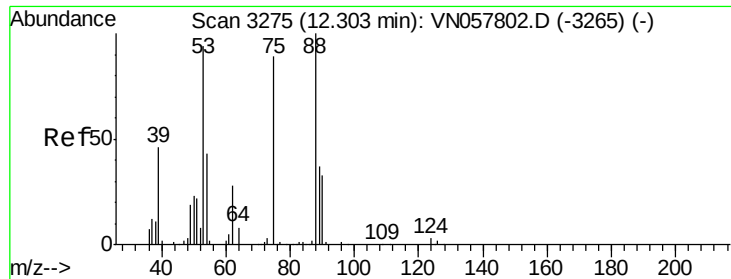
MMDadoda  
 9/13/2019 5:16:25 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 19.761 ug/l  
 RT: 12.74 min Scan# 3410  
 Delta R.T. 0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 363111 |       |       |
| 120     | 47.2  | 23.7   | 71.1  |       |





#81

trans-1,4-Dichloro-2-butene

Concen: 15.134 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA\_N

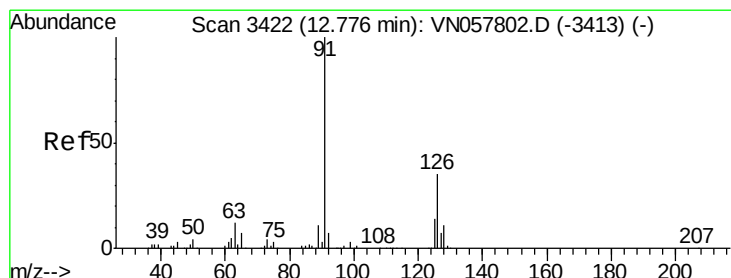
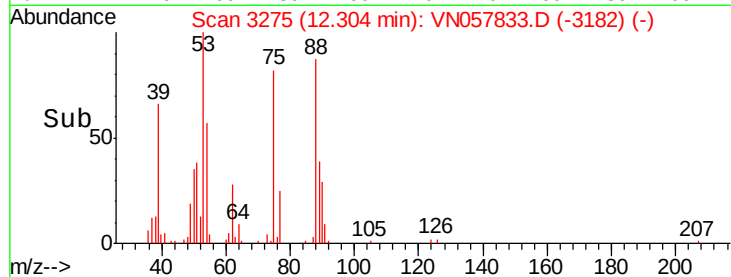
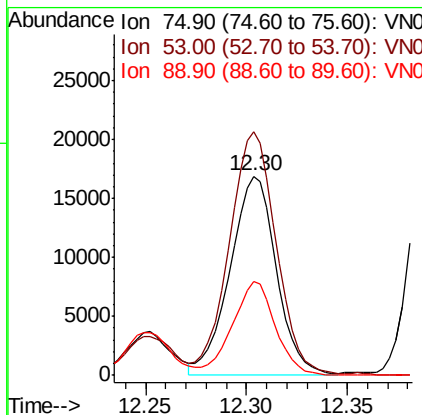
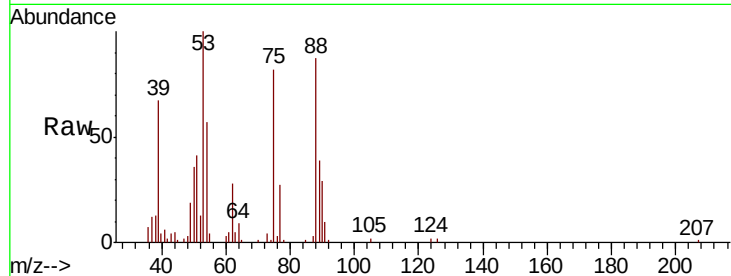
ClientSampleId :

VN0910WBSD02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 27265 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 121.8 | 88.4  | 132.6 |
| 89        | 43.7  | 35.3  | 52.9  |

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9/13/2019 5:16:25 AM



#82

4-Chlorotoluene

Concen: 18.997 ug/l

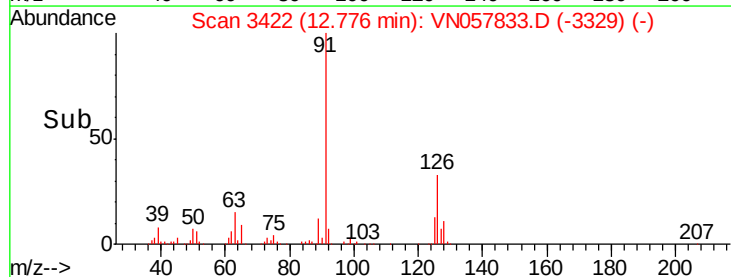
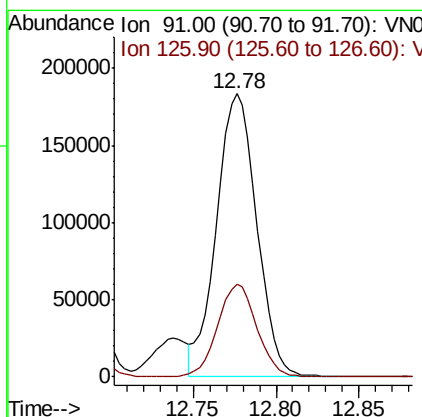
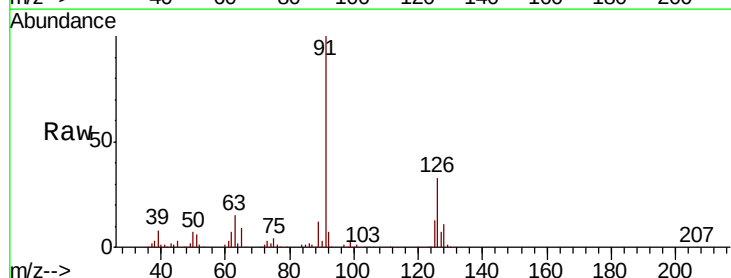
RT: 12.78 min Scan# 3422

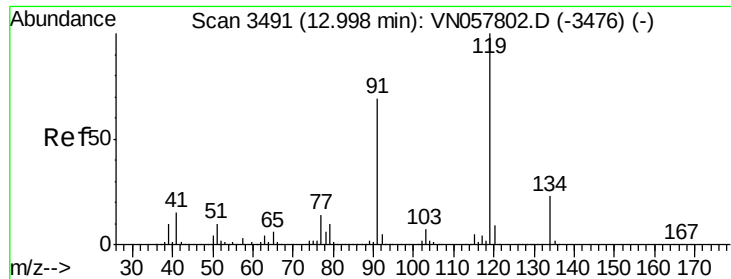
Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 307908 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 31.8  | 16.0  | 48.0   |





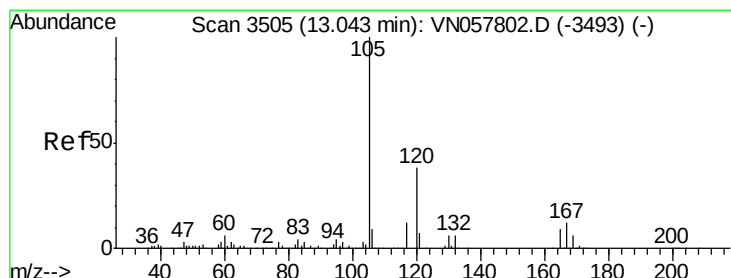
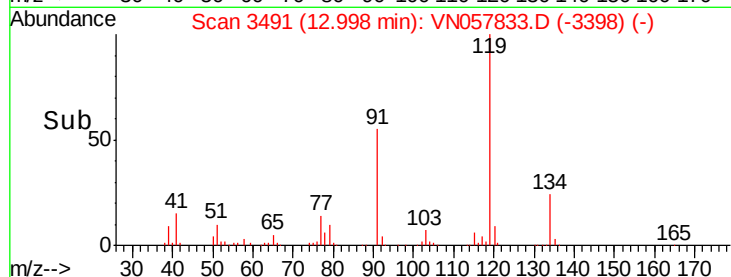
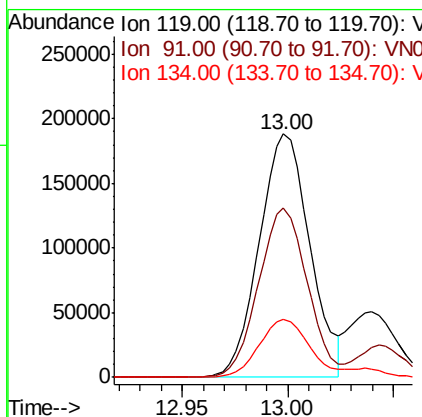
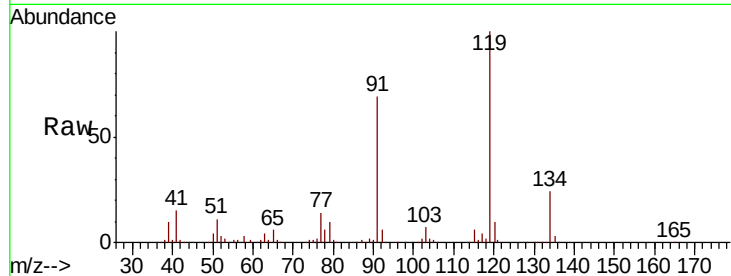
#83  
 tert-Butylbenzene  
 Concen: 19.289 ug/l  
 RT: 13.00 min Scan# 3491  
 Delta R.T. 0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0910WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 67.7  | 33.6  | 100.8 |
| 134     | 23.7  | 11.7  | 35.0  |

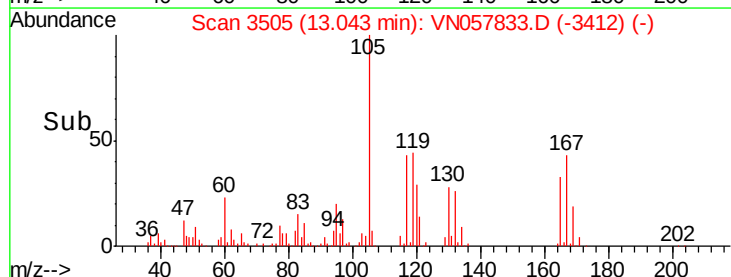
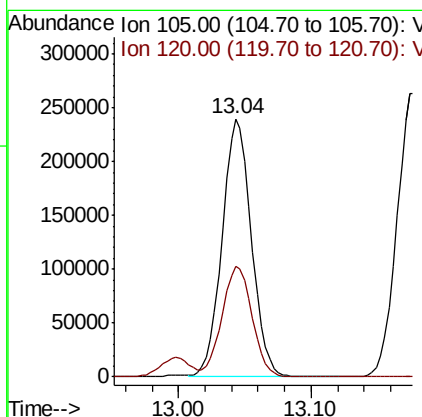
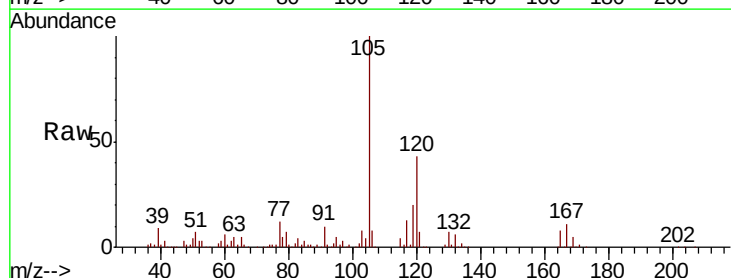
Manual Integrations  
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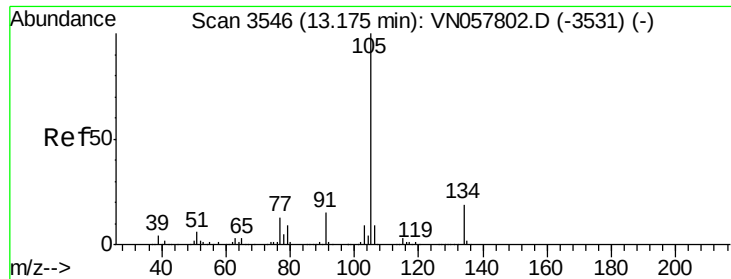
MMDadoda  
 9/13/2019 5:16:25 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 19.532 ug/l  
 RT: 13.04 min Scan# 3505  
 Delta R.T. 0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.7  | 22.4  | 67.2  |





#85

sec-Butylbenzene

Concen: 19.547 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0910WBSD02

Tot Ion:105 Resp: 423161

Ion Ratio Lower Upper

105 100

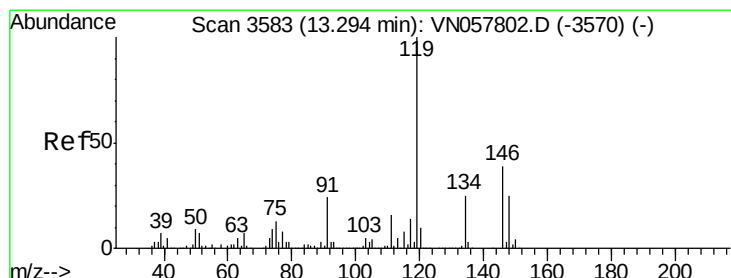
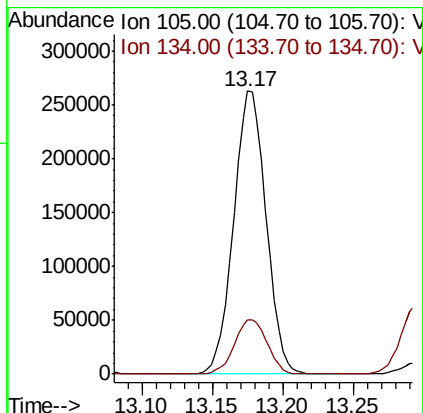
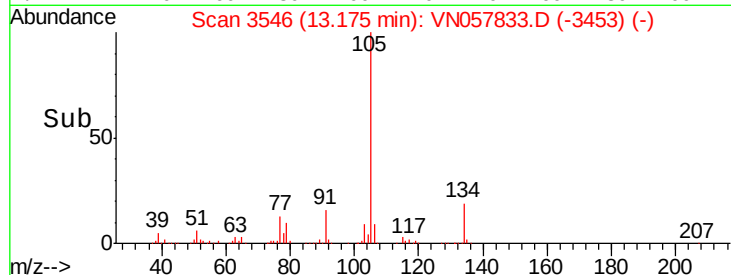
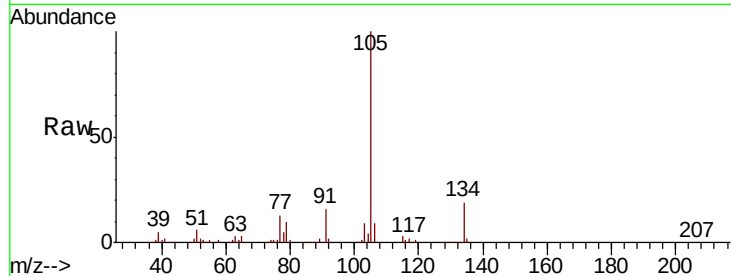
134 19.4 9.6 28.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.790 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057833.D

Acq: 10 Sep 2019 4:18

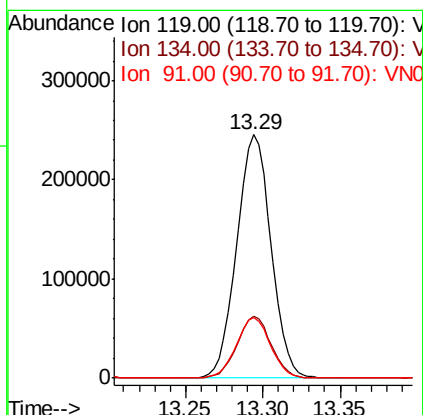
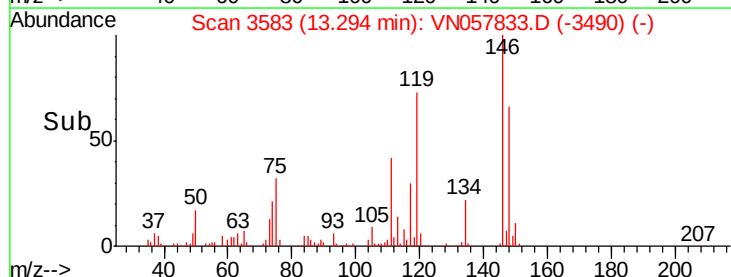
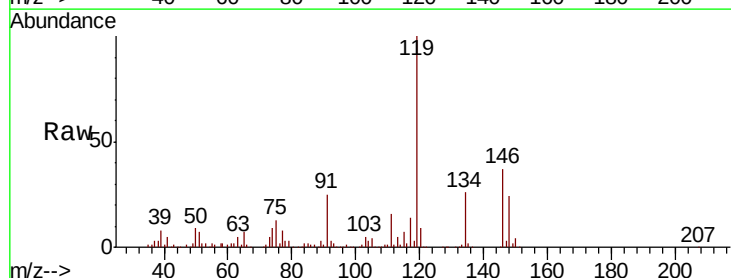
Tgt Ion:119 Resp: 377489

Ion Ratio Lower Upper

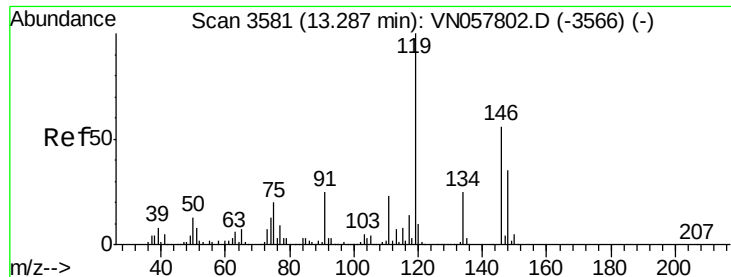
119 100

134 25.3 12.5 37.5

91 24.5 12.3 36.8







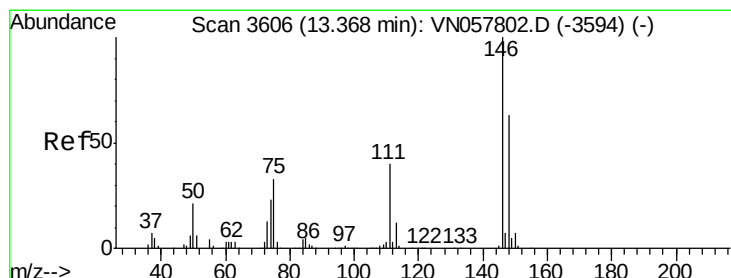
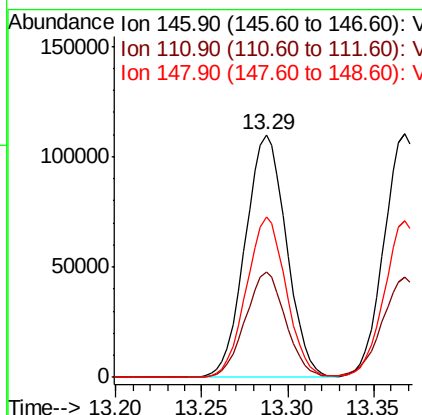
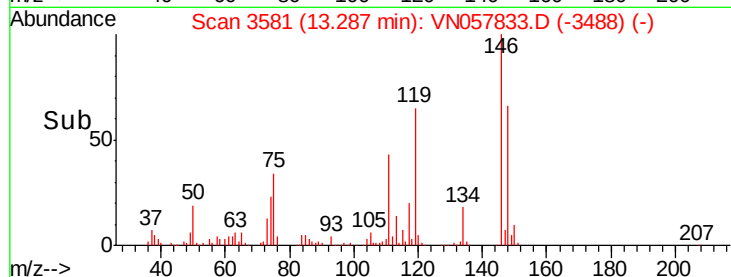
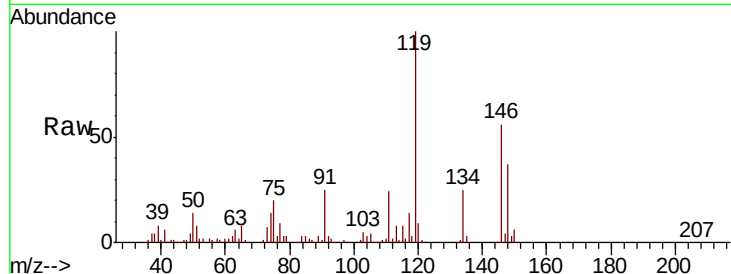
#87  
 1,3-Dichlorobenzene  
 Concen: 18.355 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0910WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 182668 |       |       |
| 111     | 42.2  | 20.5   | 61.6  |       |
| 148     | 63.7  | 31.5   | 94.5  |       |

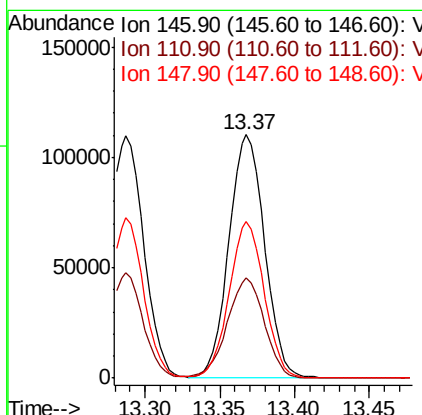
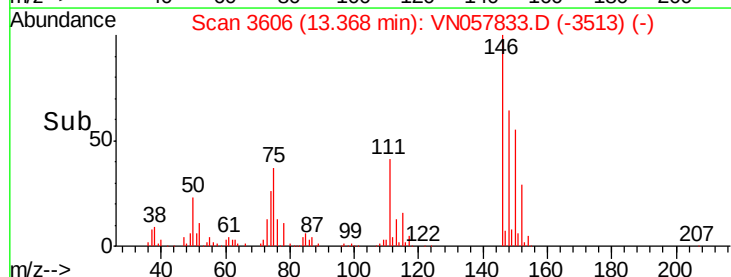
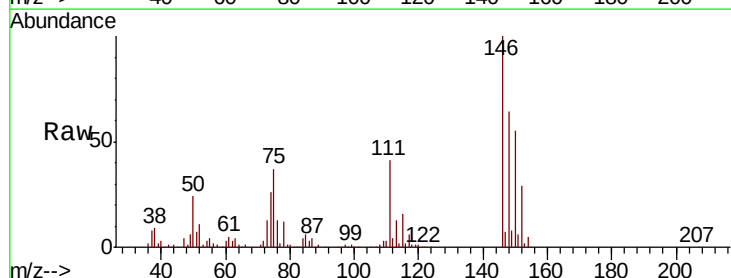
Manual Integrations  
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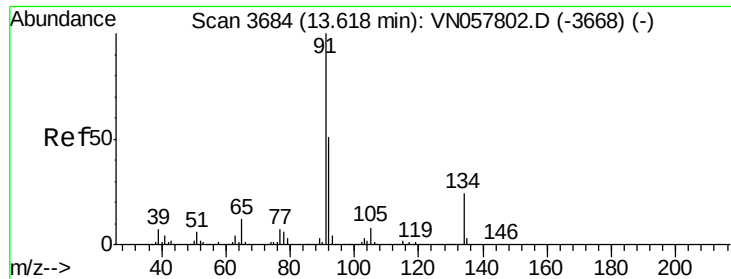
MMDadoda  
 9/13/2019 5:16:25 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 18.080 ug/l  
 RT: 13.37 min Scan# 3606  
 Delta R.T. 0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 182640 |       |       |
| 111     | 42.7  | 20.4   | 61.2  |       |
| 148     | 63.3  | 31.8   | 95.4  |       |





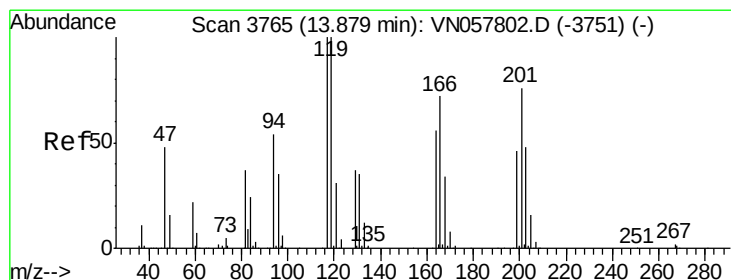
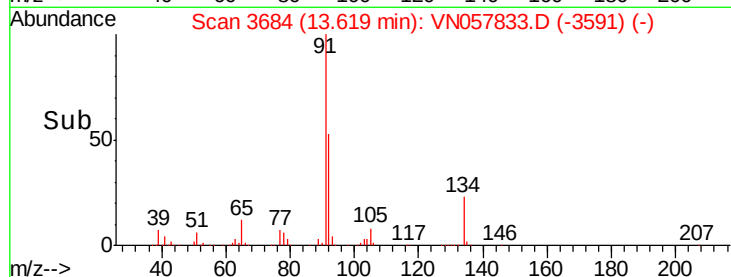
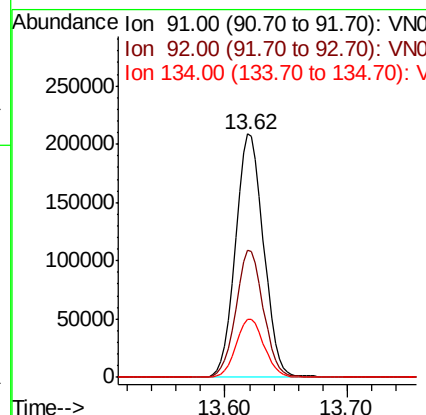
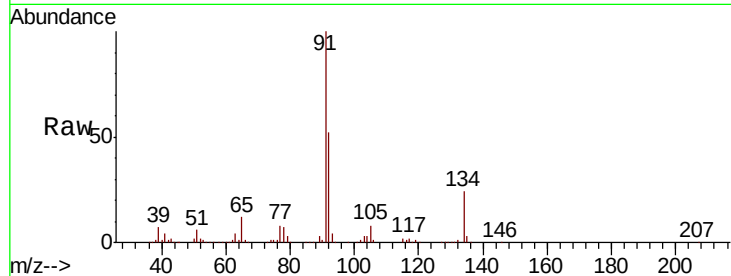
#89  
n-Butylbenzene  
Concen: 18.552 ug/l  
RT: 13.62 min Scan# 3684  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.4  | 25.7  | 77.0  |
| 134     | 23.9  | 11.9  | 35.7  |

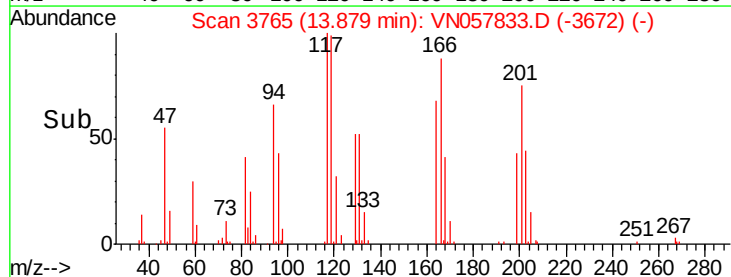
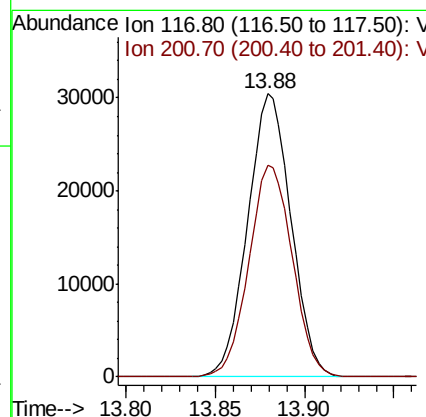
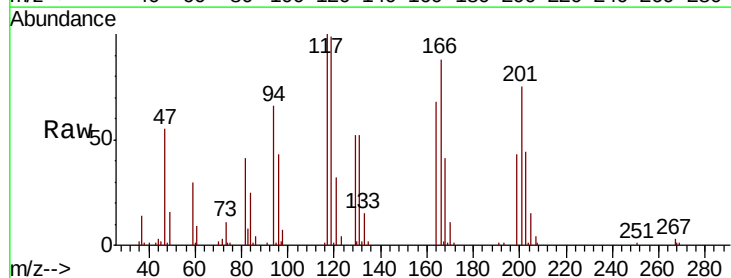
Manual Integrations  
APPROVED

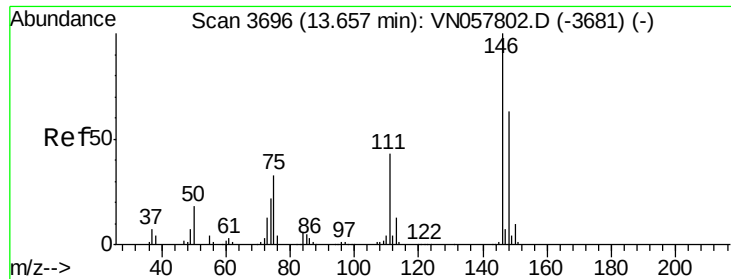
MMDadoda  
9/13/2019 5:16:25 AM



#90  
Hexachloroethane  
Concen: 18.227 ug/l  
RT: 13.88 min Scan# 3765  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 75.0  | 37.5  | 112.7 |





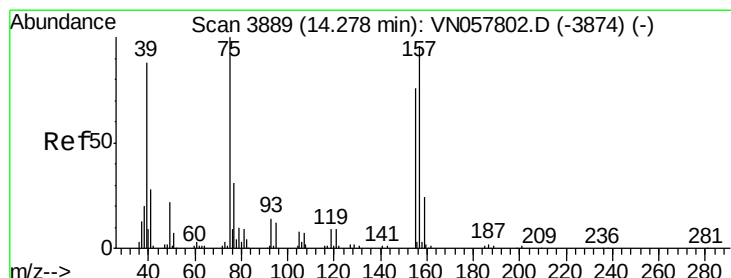
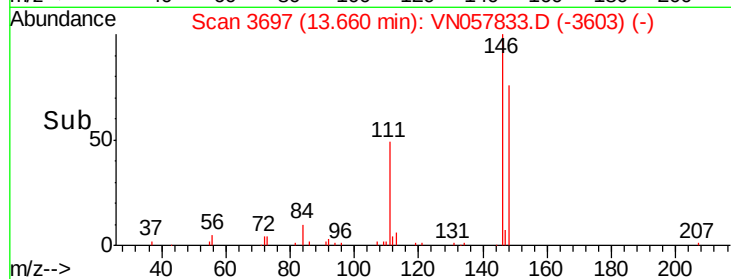
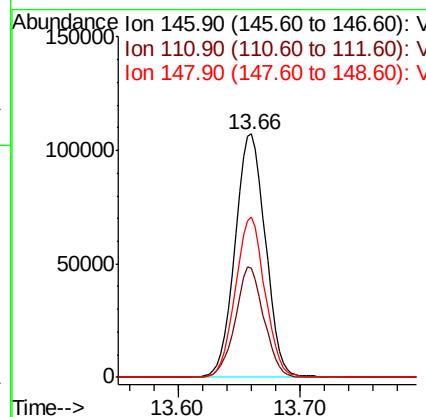
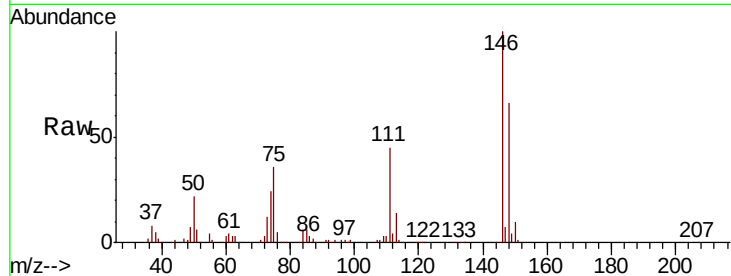
#91  
 1,2-Dichlorobenzene  
 Concen: 18.728 ug/l  
 RT: 13.66 min Scan# 3697  
 Delta R.T. 0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0910WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 186201 |       |       |
| 111     | 42.6  | 21.3   | 63.9  |       |
| 148     | 64.1  | 31.4   | 94.3  |       |

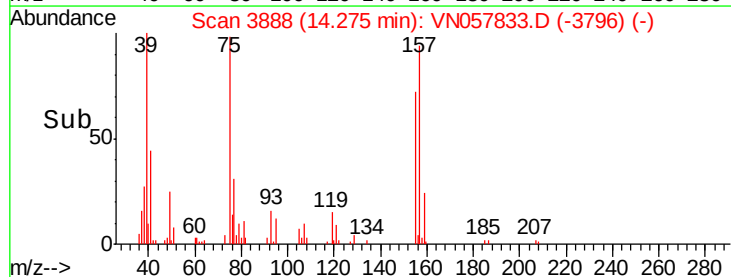
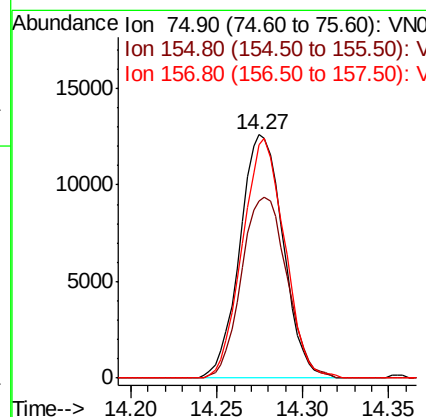
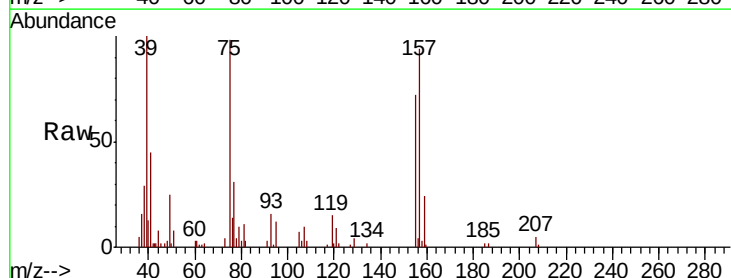
Manual Integrations  
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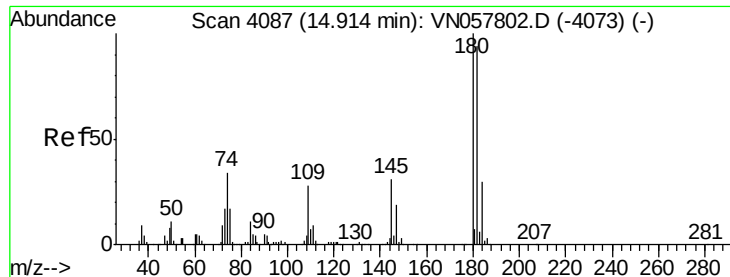
MMDadoda  
 9/13/2019 5:16:25 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.224 ug/l  
 RT: 14.27 min Scan# 3888  
 Delta R.T. -0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 22037 |       |       |
| 155     | 78.3  | 37.3  | 111.8 |       |
| 157     | 96.0  | 47.9  | 143.8 |       |





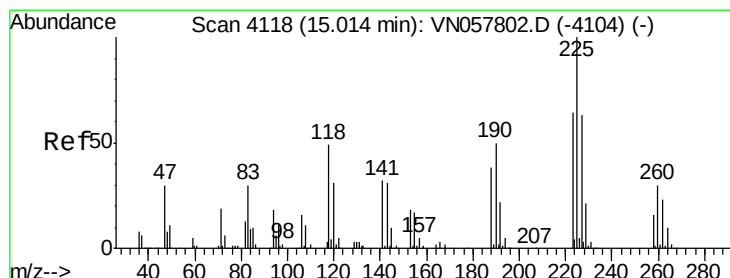
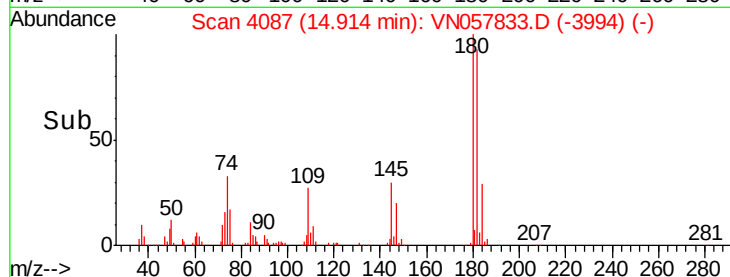
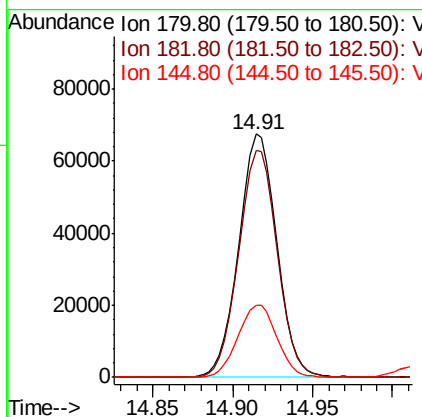
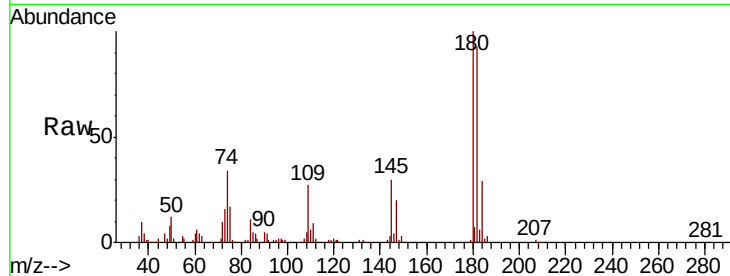
#93  
 1,2,4-Trichlorobenzene  
 Concen: 16.817 ug/l  
 RT: 14.91 min Scan# 4087  
 Delta R.T. 0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0910WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 109290 |       |       |
| 182     | 94.5  | 46.9   | 140.8 |       |
| 145     | 30.5  | 14.9   | 44.7  |       |

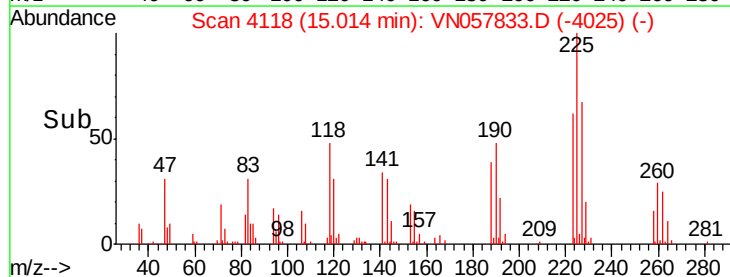
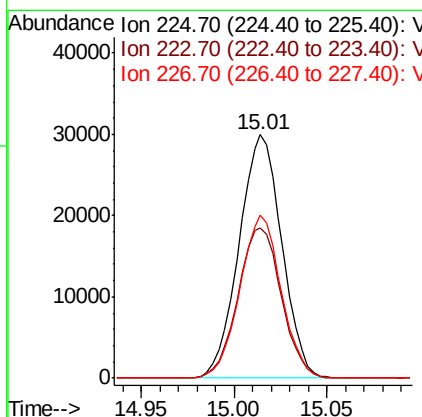
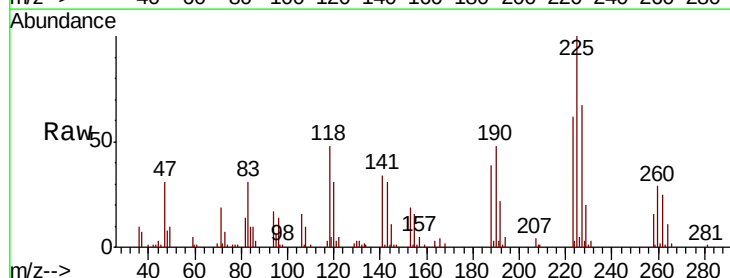
Manual Integrations  
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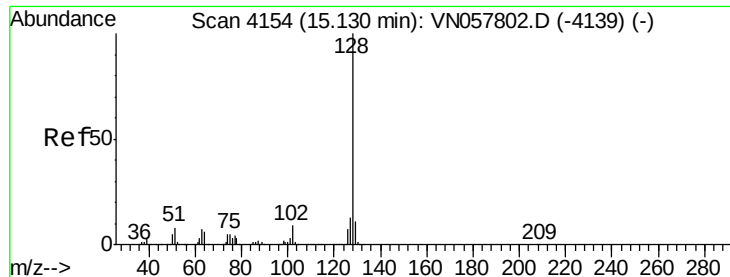
MMDadoda  
 9/13/2019 5:16:25 AM



#94  
 Hexachlorobutadiene  
 Concen: 17.416 ug/l  
 RT: 15.01 min Scan# 4118  
 Delta R.T. 0.00 min  
 Lab File: VN057833.D  
 Acq: 10 Sep 2019 4:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 47977 |       |       |
| 223     | 62.6  | 32.4  | 97.2  |       |
| 227     | 64.5  | 31.8  | 95.4  |       |





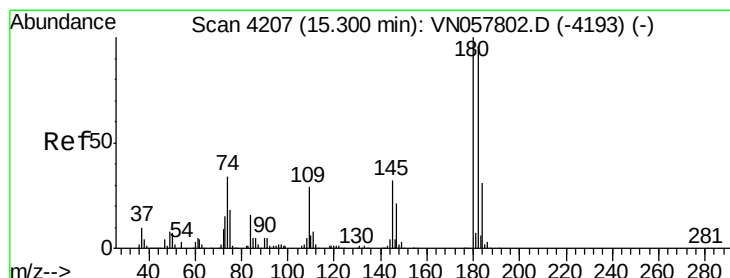
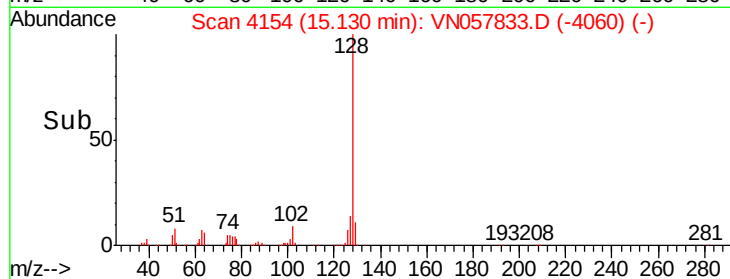
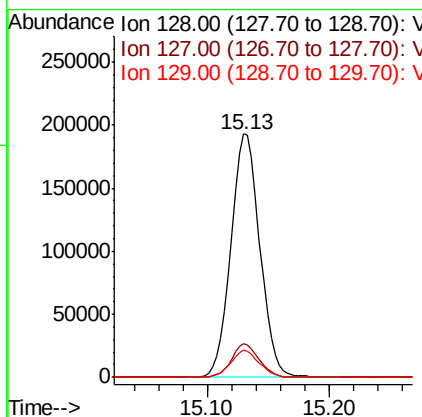
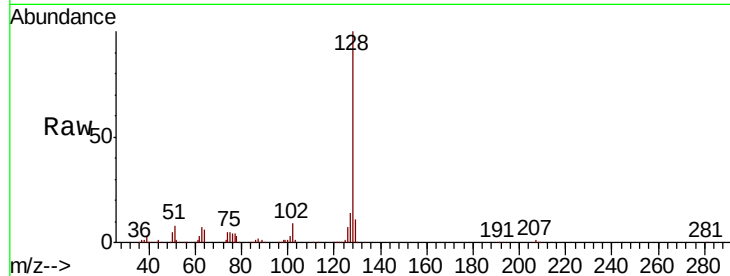
#95  
Naphthalene  
Concen: 18.495 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.2  | 10.3  | 15.5  |
| 129     | 10.9  | 8.6   | 12.8  |

Manual Integrations  
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9/13/2019 5:16:25 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 19.196 ug/l  
RT: 15.30 min Scan# 4207  
Delta R.T. 0.00 min  
Lab File: VN057833.D  
Acq: 10 Sep 2019 4:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.6  | 48.3  | 144.8 |
| 145     | 31.8  | 16.3  | 48.8  |

